ELMIRA CIVIL WAR VISITOR CENTER
PHASE I
ELMIRA, NEW YORK

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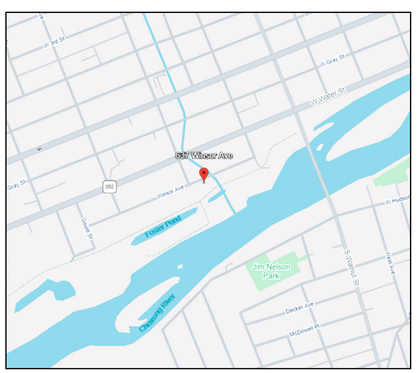
PROJECT LOCATION MAPS

STATE/COUNTY

ELMIRA, CHEMUNG, NEW YORK

LOCATION MAP

637-639 WINSOR AVE, ELMIRA, NY 14901



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PH: (607) 737- 4638 WEB:AJH-DESIGN.COM

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SITEWORK

SYMBOL	DESCRIPTION
	CONTROL POINT
	UTILITY POLE W ANCHOR
	SIGN
	EXG. WATER VALVE
	NEW WATER VALVE
	UTILITY POLE W/ LIGHT
	STREET LIGHT
	EXG. FIRE HYDRANT
	NEW FIRE HYDRANT
	CATCH BASIN / DRYWELL
	CURB BOX VALVE
	EXISTING DECIDUOUS TREE
	EXISTING CONIFEROUS TREE
X 941.5	EXG. ELEVATION
+ 941.5	NEW ELEVATION
	EXISTING MANHOLE
	NEW MANHOLE
	EDGE OF STREAM OR SWALE
	SHRUBBERY, WOODS
	EXISTING CULVERT
	NEW CULVERTS WITH END SECTION
TP.*	TEST PIT
TH.*	TEST HOLE
	RIP RAP
	COORDINATE POINT LOCATION
	5/8" REBAR W/ SURVEY CAP SET
	*LINES SHOWN AS SCREENED (GRAY) DENOTE EXISTING
	NEW CONTOUR*
E E	EXISTING ELECTRIC*
W W	WATER LINE*
SAN SAN	SANITARY LINE*
T T	TELEPHONE LINE*
ST ST	STORM SEWER*
OE OE	OVERHEAD ELECTIC*
UE UE	UNDERGROUND ELECTRIC*
	ROAD CENTER LINE*
G G	GAS LINE
	ORIGINAL LOT LINE
	DEED LINE
	PROPERTY LINE
X X	EXISTING FENCE
	NEW FENCE
	GUARD RAIL
	EASEMENT LINE
	CONCRETE MONUMENT
	EXISTING IRON ROD
	EXISTING IRON PIPE
	UTILITY POLE

PLUMBING

SYMBOL	DESCRIPTION
D	VOLUME DAMPER
G	NATURAL GAS PIPING
	BELOW SLAB SANITARY PIPING
	ABOVE SLAB SANITARY PIPING
ST	BELOW SLAB STORM (ROOF DRAINAGE) PIPING
RD	ABOVE SLAB STORM (ROOF DRAINAGE) PIPING
V (V)	SANITARY VENT PIPING
CD (CD)	CONDENSATE DRAIN PIPING
	EXISTING PIPING TO REMAIN
	EXISTING PIPING & EQUIP. TO BE REMOVED
	CHECK VALVE
	FLOOR PENETRATION
AW	ACID WASTE
AV	ACID VENT
	HOT WATER SUPPLY PIPING
	HOT WATER RETURN PIPING
C	CONDENSATE DRAIN PIPING
RS	REFRIGERANT SUCTION PIPING
RL	REFRIGERANT LIQUID PIPING
	EXG. PIPING & EQUIPMENT TO REMAIN
(OR)	SHUT-OFF VALVE
	TOP PIPE CONNECT
	BOTTOM PIPE CONNECT
	BALANCING VALVE/ AUTO. FLOW CONTROL FITTING/ SPRINKLER UPRIGHT
	DOMESTIC COLD WATER PIPING
	DOMESTIC HOT WATER PIPING
	DOMESTIC RECIRCULATING WATER PIPING
	POINT OF CONNECTION

HVAC

SYMBOL	DESCRIPTION
	DUCT W/ MANUAL VOLUME DAMPER
	SUPPLY AIR DIFFUSER
	GRILLE OR REG.
FD	FIRE DAMPER
T	THERMOSTAT
T G	THERMOSTAT W/ GUARD
S	SENSOR
	MITERED ELBOW W/ TURNING VANES
10/6	FIRST # IS DUCT WIDTH SIZE
	POINT OF CONNECTION
	DUCT DOWN
	DUCT UP
	DUCT PENETRATION THRU FLOOR OR ROOF ABOVE SUPPLY
	DUCT PENETRATION THRU FLOOR OR ROOF ABOVE EXHAUST OR RETURN
AAD	AUTOMATIC DAMPER
D-1 100	DIFFUSER NUMBER CFM
G-1 300	GRILLE NUMBER CFM
R-1 300	REGISTER NUMBER CFM

ELECTRICAL & TECHNOLOGY

SYMBOL	DESCRIPTION	MFC./NO. & REMARKS
S	CEILING MOUNT SPEAKER	INTERIOR: BOSCH LBC3086/41 EXTERIOR: POLY PLANER MA4056-6"
S	WALL MOUNT SPEAKER	
OS	CEILING MOUNTED OCCUPANCY SENSOR	
$	SINGLE POLE SWITCH	PASS & SEYMOUR CS20ACI
$3	3 WAY SWITCH	PASS & SEYMOUR CS20AC3
$4	4 WAY SWITCH	PASS & SEYMOUR CS20AC4
$OC	OCCUPANCY SENSOR SWITCH	SENSOR SWITCH WSD-PDT
$LV	LOW VOLTAGE SWITCH	DUAL TECHNOLOGY
	DUPLEX RECEPTACLE	PASS & SEYMOUR PS5362 20A RATING
GFI	GFI RECEPTACLE	PASS & SEYMOUR PS2095 20A RATING, 120V
WP	WEATHERPROOF RECEPTACLE	PASS & SEYMOUR PS2094 20A RATING, INSTALLED W/ WATER TIGHT HOUSING
	QUADPLEX	PASS & SEYMOUR PS5262
	SPECIAL PURPOSE RECEPTACLE	PROVIDE 30A RECEPTACLE FOR DRYER
	FUSED DISCONNECT	CULTER-HAMMER/ SQUARED
J	JUNCTION BOX	
	MOTOR	SEE ELECTRICAL EQUIPMENT SCHEDULE
	DATA/TELEPHONE NETWORK JACK	PROVIDE BOX & 3/4" CONDUIT TO 6" ABOVE FIN. CEILING/ CONCEALED SPACE
#	DATA #=QUANTITY DATA DROPS	CATEGORY 6 DATA OUTLET
WAP	WIRELESS ACCESS POINT	PROVIDE 3/4" SLEEVE AND BACK BOX IN WALL.
CR	CARD/PROXIMITY READER	MOUNT AT 4'-6" AFF. PROVIDE CONDUIT & BACK BOX.
DC	DOOR CONTACT	REFER TO DOOR HARDWARE SPECIFICATIONS
ES	ELECTRIC STRIKE	
REX	REQUEST TO EXIT DEVICE	
TV	COAXIAL CABLE TV OUTLET	PROVIDE BOX & 3/4" CONDUIT TO 6" ABOVE FIN. CEILING/ CONCEALED SPACE
	3 BUTTON DOOR OPENER	
	360º CAMERA DOME CEILING MOUNT	PROVIDE 3/4" SLEEVE & BACK BOX AT EXTERIOR WALL LOCATIONS
	POLE MOUNTED EXTERIOR CAMERA	PROVIDE 3/4" SLEEVE & BACK BOX AT EXTERIOR WALL LOCATIONS
VS	FA AUDIO-VISUAL DEVICE CEILING MOUNTED	SIMPLEX 4906-9101
#	FA VIDEO AUDIO DEVICE	SIMPLEX 4906-9127, # IS DECIBEL LEVEL
	2' x 2' SUPPLY AIR DIFFUSER	
	2' x 2' RETURN AIR DIFFUSER	
	1'-0" x 1'-0" SUPPLY AIR DIFFUSER	
	1'-0" x 1'-0" EXHAUST GRILL	
	CLG MOUNT EXIT SIGN	NI-CAD W/ SELF DIAGNOSTICS, PROVIDE 90 MINUTE BATTERY BACKUP
	CABLE TRAY	
FO	FIBER OPTICAL CABLING	
	MULTI COMPARTMENT POWER POLE	
B	FLOOR BOX	
B	PULL BOX	

SYMBOL	DESCRIPTION	MFC./NO. & REMARKS
	MULTI COMPARTMENT SURFACE RACEWAY	
W	WALL MOUNT STYLE CAT. 6 TELEPHONE OUTLET	
W(#)	CATEGORY 6 TELEPHONE OUTLET # = QTY. OF OUTLETS IF GREATER THAN ONE	
####	IP TELEPHONE LOCATION #### = PHONE TYPE	
	HORN TYPE SPEAKER	
VC	SPEAKER VOLUME CONTROL	
C S	CLOCK / SPEAKER	
C	CLOCK	
TV	TELEVISION OUTLET	
PROJ	PROJECTOR	
INTERACTIVE BOARD	INTERACTIVE BOARD	
AV	AUDIO / VIDEO CONNECTIONS TO PROJECTOR	
#	SECURITY CAMERA # = CAM NUMBER	
IC	INTERCOM	
	LIGHTING ARRESTOR	
	COMMUNICATIONS RACEWAY DEVICE LOCATION	
	COMMUNICATIONS BACKBOX LOCATION	
	EMERGENCY LIGHTING	SEE LIGHTING FIXTURE SCHEDULE
	HIGH BAY PENDANT MOUNT	SEE LIGHTING FIXTURE SCHEDULE
	2x2 FLAT PANEL RECESSED MOUNT	SEE LIGHTING FIXTURE SCHEDULE
	WALL PACK LIGHT FIXTURE	SEE LIGHTING FIXTURE SCHEDULE
	OVER DOOR WALL PACK MOUNT	SEE LIGHTING FIXTURE SCHEDULE
	EXIT SIGN LED W/ DUAL HEADLIGHTS	SEE LIGHTING FIXTURE SCHEDULE
	EXIT SIGN LED	SEE LIGHTING FIXTURE SCHEDULE
	INDUSTRIAL LIGHT FIXTURE	SEE LIGHTING FIXTURE SCHEDULE
	FLOOD LIGHT FIXTURE	SEE LIGHTING FIXTURE SCHEDULE
	SCONCE LIGHT FIXTURE	SEE LIGHTING FIXTURE SCHEDULE

ARCHITECTURAL

SYMBOL	DESCRIPTION
	ROOM NAME, #, & APPROXIMATE AREA
A5.1 A5.1	BUILDING SECTION CALLOUT
A4.1	WALL SECTION / DETAIL SECTION
A5.1 2 3	INTERIOR ELEVATION CALLOUT
A5.1 2	EXTERIOR ELEVATION CALLOUT
# A5.1	DETAIL / TITLE NUMBER
A	COLUMN GRID LINE
	CUT LINE
	MATCH LINE
℄	CENTERLINE
FIN. 1ST FLOOR 0'-0"	ELEVATION INDICATOR
000 N	CASEWORK NUMBER & TYPE - REFER TO CASEWORK SCHEDULE
100-A	WINDOW NUMBER
100-1	DOOR NUMBER
1A	WALL PARTITION TYPE
D1	DEMOLITION KEYNOTE
3	DRAWING KEYNOTE
G	MARKERBOARD AND TACKBOARD TYPES
1	TOILET ACCESSORY TAG
FEC	FIRE EXTINGUISHER CABINET
	ELEVATION MARK OR COORDINATE POINT
RD	ROOF DRAIN
	SLOPE
V	VENT PIPE
	EXHAUST HOOD
	EXISTING WALL / CONSTR. TO REMAIN
	DEMOLITION WORK
	NEW MASONRY WALL CONSTRUCTION
	NEW STUD WALL CONSTRUCTION

SYMBOL	DESCRIPTION
	EARTH / COMPACT FILL
	POROUS FILL / GRAVEL
	CONCRETE / STRUCTURAL CONCRETE
	SAND / ARCHITECTURAL PRECAST CONCRETE
	BRICK / BRICK PAVERS
	CONCRETE MASONRY
	STEEL
	FINISH WOODWORK
	NOMINAL CUT LUMBER, CONTINUOUR BLOCKING
	BLOCKING, SHIM
	PLYWOOD / PARTICLEBOARD
	PLASTIC / SOLID SURFACE
	BATT INSULATION
	RIGID INSULATION
	FIREPROOFING
	GLAZING
	LATH AND PLASTER
	CARPET
	TERRAZZO
	CERAMIC TILE - SECTION
	GYPSUM WALL BOARD

GENERAL SYMBOL ANNOTATIONS:

"E" = EXISTING TO REMAIN
"R" = EXISTING TO BE REPLACED
"RE" = EXISTING TO BE RELOCATED
"WG" = PROVIDE WIRE GUARD
"W-MT" = WALL MOUNT

FIRE & LIFE SAFETY

SYMBOL	DESCRIPTION	
S	HARD WIRED SMOKE DETECTOR	NI-CAD W/ SELF DIAGNOSTICS
C	CARBON MONOXIDE DETECTOR	NI-CAD W/ SELF DIAGNOSTICS
H	HEAT DETECTOR	NI-CAD W/ SELF DIAGNOSTICS
	RECESSED SPRINKLER HEAD	
	SEMI-RECESSED SPRINKLER HEAD	
F	AUDIO ALARM DEVICE	
F	AUDIO/VISUAL DEVICE	
F	FIRE ALARM PULL BOX STATION	SIMPLEX 4099-9001
FACP	FIRE ALARM CONTROL PANEL	
#	EGRESS CAPACITY	
	ACCESSIBLE ENTRANCE	
	EXIT SIGN W/DOOR HEAD EMERGENCY LIGHTS	
	WALL MOUNTED EXIT SIGN. ARROW INDICATING DIRECTION	
	DUAL HEAD EMERGENCY LIGHT	
	EXTERIOR REMOTE HEAD EMERGENCY LIGHT	
FE	WALL MOUNTED PORTABLE FIRE EXTINGUISHER W/SIGNAGE	
	1 HR RATED FIRE WALL	
	2 HR RATED FIRE WALL	
	3 HR RATED FIRE WALL	
	EGRESS PATH	
	ALTERNATE EGRESS PATH	
	FUTURE AREA NOT IN PROJECT	
FACP	FIRE ALARM CONTROL PANEL	SIEMENS CERBERUS PRO FC922 (OR EQUAL)

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ABBREVIATIONS

A

A	AREA
A/C	AIR CONDITIONING
AB	ANCHOR BOLT
ABV	ABOVE
AC	ALTERNATING CURRENT
ACT	ACOUSTIC CEILING TILE
ACW	ALUMINUM CLAD WOOD
AD	AREA DRAIN
ADD	ADDENDUM
ADH	ADHESIVE
ADJ	ADJACENT
ADO	AUTOMATIC DOOR OPENER
AESS	ARCH EXPOSED STRUCTURAL STEEL
A.F.F.	ABOVE FINISH FLOOR
A.F.G.	ABOVE FINISH GRADE
AGG	AGGREGATE
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
ALUM	ALUMINUM
AMP	AMPERAGE
ANC	ANCHOR(AGE)
ANOD.	ANODIZED
APPROX.	APPROXIMATE
ARCH	ARCHITECT(URAL)
ASB	ASBESTOS
ASBC	ASBESTOS CONTRACTOR
ASPH	ASPHALT
AWG	AMERICAN WIRE GAGE
AWN	AWNING
AUX	AUXILARY

B

BCU	BLOWER CONTROL UNIT
BCJ	BRICK CONTROL JOINT
BCNYS	BUILDING CODE OF NEW YORK STATE
BD	BOARD
BEJ	BRICK EXPANSION JOINT
BEL	BELOW
BEV	BEVELED
BEF	BOARD FEET
BEL	BELOW
BF	BOARD FEET
BIT	BITUMINOUS
BL	BUILDING LINE
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BENCH MARK
BO	BOTTOM OF
BOF	BOTTOM OF FOOTING
BOT	BOTTOM
BSMT	BASEMENT
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
BPL	BEARING PLATE
BRD	BOARD
BRG	BEARING
BRK	BRICK
BRM	BEDROOM
BS	BOTH SIDES
BUR	BUILT-UP ROOF
BW	BOTH WAYS

C

C	CHANNEL
C-C	CENTER TO CENTER
CAB	CABINET
CAP	CAPACITY
CB	CATCH BASIN
CBF	HUNDRED BOARD FEET
CD	COLD DRAIN
CEM	CEMENT
CER	CERAMIC
CF	CUBIC FOOT
CFLG	COUNTER FLASHING
CFM	CUBIC FEET PER MINUTE
CFMF	COLD-FORMED METAL FRAMING
CFS	CUBIC FEET PER SECOND
CH	CABINET HEATER
CHBD	CHALKBOARD
CI	CAST IRON
CIP	CAST-IN-PLACE CONCRETE
CIR	CIRCLE
CJ	CONTROL JOINT
CK	CAULK(ING)
CL	CENTERLINE
CLAD	ALUMINUM CLAD
CLG	CEILING
CLO	CLOSET
CLR	CLEAR(ANCE)
CLS	CLOSURE
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT, COMPANY
COL	COLUMN
COMB	COMBINATION
COMP	COMPACT(ED)
CONC	CONCRETE
CON	CONNECTOR, CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS, CONTINUE
CONTR	CONTRACT(OR)
COORD	COORDINATE
CP	CLAY PIPE
CPG	COPING
CPR	COPPER
CPT	CARPET(ED)
CR	COLD ROLLED
CRS	COURSE(S)
CS	COVER SHEET
CSMT	CASEMENT
CST	CAST STONE
CT	CERAMIC TILE
CTR	COUNTER
CU	CUBIC
CULV	CULVERT
CV	CHECK VALVE
CW	COLD WATER
CY	CUBIC YARD

D

DBL	DOUBLE
DC	DIRECT CURRENT
DEG	DEGREE
DEMO	DEMOLISH, DEMOLITION
DF	DRINKING FOUNTAIN
DH	DOUBLE HUNG
DIA, Ø	DIAMETER
DIAG	DIAGONAL, DIAGRAM
DIM	DIMENSION
DIV	DIVISION
DL	DEAD LOAD
DLV	DOOR LOUVER
DMPR	DAMPER
DN	DOWN
DOZ	DOZEN
DP	DAMP-PROOFING
DR	DOOR
DS	DOWNSPOUT
DT	DRAIN TILE
DTA	DOVETAIL ANCHOR
DTL	DETAIL
DW	DISHWASHER
DWG	DRAWING

E

EBCNYS	EXISTING BUILDING CODE OF NEW YORK STATE
EC	ELECTRICAL CONTRACTOR
EF	EACH FACE
EIFS	EXTERIOR INSULATED FASCIA SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC(AL)
ELEV	ELEVATOR
EMER	EMERGENCY
ENC	ENCLOSE, ENCLOSURE
ENG	ENGINEER
ENT	ENTRANCE
EOC	EVERY OTHER COURSE
EOD	EDGE OF DECK
EOS	EDGE OF SLAB
EP	ELECTRICAL PANEL
EQ	EQUAL
ES	EACH SIDE
EST	ESTIMATE(D)
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EWF	ELECTRIC WALL FAN
EXC	EXCAVATE
EXG	EXISTING
EXH	EXHAUST
EXP	EXPOSED
EXT	EXTERNAL, EXTERIOR

F

FA	FIRE ALARM, FRESH AIR
FAB	FABRICATE
FAI	FRESH AIR INTAKE
FAS	FASTENER
FB	FACE BRICK
FBO	FINISHED BY OTHERS
FBR	FIBERBOARD
FC	FAN COIL
FCU	FAN COIL UNIT
FD	FLOOR DRAIN
FDN	FOUNDATION
FDR	FOLDING DOOR
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISHED FLOOR
FFE	FINISH FLOOR ELEVATION
FG	FIBERGLASS
FGL	FIBERGLASS
FIG	FIGURE
FIN	FINISH(ED)
FLCO	FLOOR CLEANOUT
FLEX	FLEXIBLE
FLG	FLASHING
FLOUR	FLOURESCENT
FLR	FLOOR(ING)
FO	FRAMED OPENING
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUDS
FP	FIRE PROOF
FPL	FLOOR PLATE
FR	FRAME(D), FRAMING
FRT	FIRE-RETARDANT
FS	FRAME SIZE
FT	FOOT, FEET
FTG	FOOTING
FUR	FURRED, FURRING
FURN	FURNITURE
FXT	FIXTURE

G

G	GAS
GA	GAGE, GAUGE
GALV	GALVANIZD
GB	GRAB BAR
GC	GENERAL CONTRACT(OR)
GCMU	GLAZED CMU
GD	GRADE, GRADING
GF	GRANULAR FILL
GFI	GROUND FAULT INTERRUPTER
GI	GALVANIZED IRON
GL	GLASS, GLAZING
GP	GALVANIZED PIPING
GPM	GALLONS PER MINUTE
GSS	GALVANIZED STEEL SHEET
GST	GLAZED STRUCTURAL TILE
GVL	GRAVEL
GWB	GYPSUM WALL BOARD
GYP	GYPSUM

H

HB	HOSE BIB
HC	HVAC CONTRACTOR
HCP	HANDICAP
HD	HEAVY DUTY
HDJT	HEAD JOINT
HDR	HEADER
HDW	HARDWARE
HDWD	HARDWOOD
HH	HANDHOLE
HI	HEIGHT OF INSTRUMENT
HK	HOOK(S)
HM	HOLLOW METAL
HOR	HORIZONTAL
HP	HORSEPOWER
HR	HANDRAIL
HS	HARDWARE SET
HT	HEIGHT
HTG	HEATING
HTR	HEATER
HTX	HEAT EXCHANGE
HVAC	HEATING, VENTILATION & AIR CONDITIONING
HW	HOT WATER
HWH	HOT WATER HEATER
HYD	HYDRANT

I

ID	INSIDE DIAMETER
IN	INCH(")
INCIN	INCINERATOR
INCL	INCLUDE(D), INCLUDING
INFO	INFORMATION
INS	INSULATE(D)
INSMTL	INSULATED METAL
INT	INTERIOR
INTERM	INTERMEDIATE
INV	INVERT (ELEVATION)
IP	IRON PIPE / IRON PIPE SIZE

J

JC	JANITOR'S CLOSET
JF	JOINT FILLER
JNT	JOINT
JST	JOIST

K

KIT	KITCHEN
KO	KNOCKOUT
KPL	KICKPLATE

L

L	LENGTH
LAB	LABORATORY
LAD	LADDER
LAM	LAMINATED
LAT	LATITUDE, LATITUDINAL
LAV	LAVATORY
LBL	LABEL
LED	LIGHT EMITTING DIODE
LF	LINEAR FOOT
LGMF	LIGHT GAUGE METAL FRAMING
LH	LEFT HAND
LIC	LICENSE(D)
LIN	LINEAR
LINO	LINOLEUM
LIQ	LIQUID
LKR	LOCKER
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LMS	LIMESTONE
LONG	LONGITUDE, LONGITUDINAL
LP	LIGHT PLATE
LPT	LOW POINT
LRG	LARGE
LS	LANDSCAPE
LT	LIGHT
LTG	LIGHTING
LTL	LINTEL
LVL	LAMINATED VENEER LUMBER, LEVEL
LVR	LOUVER

M

MACH	MACHINE
MAH	MAHOGANY
MAINT	MAINTENANCE
MANUF	MANUFACTURER
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MBF	MEMBER
MC	MECHANICAL CONTRACT(OR)
MDF	MEDIUM DENSITY FIBERBOARD
MDO	MEDIUM DENSITY OVERLAY
MED	MEDIUM
MECH	MECHANICAL
MEM	MEMBRANE
MFD	MANUFACURED
MFG	MANUFACTURING
MFR	MANUFACTUR(ER)
MGMT	MANAGEMENT
MGR	MANAGER
MH	MANHOLE
MIN	MINIMUM
MIR	MIRROR
MKBD	MARKERBOARD
MLD	MOULDING, MOLDING
MMB	MEMBRANE
MO	MASONRY OPENING
MOD	MODULAR
MON	MONUMENT
MOV	MOVABLE
MRB	MARBLE
MRD	METAL ROOF DECKING
MNT	MOUNT
MTFR	METAL FURRING
MTL	METAL
MUL	MULLION
MULT	MULTIPLE
MWK	MILLWORK

N

NA	NOT AVAILABLE, NOT APPLICABLE
NAT	NATURAL
NEC	NATIONAL ELECTRICAL CODE, NECESSARY
NEG	NEGATIVE
N/F	NOW OR FORMERLY
NIC	NOT IN CONTRACT
NL	NAILABLE
NMT	NONMETALLIC
NO	NUMBER
NOM	NOMINAL
NRC	NOISE REDUCTION COEFFICIENT
NS	NEAR SIDE
NTS	NOT TO SCALE

O

OA	OVERALL
OBS	OBSCURE
OC	ON CENTER(S)
OD	OUTSIDE DIAMETER
OFF	OFFICE
O/H	OVERHEAD
OHG	OVERHANG
OPG	OPENING
OPH	OPPOSITE HAND
OPP	OPPOSITE
OPS	OPPOSITE SURFACE
ORIG	ORIGINAL
OWSJ	OPEN-WEB STEEL JOIST

P

P	PLUMBING
PA	PUBLIC ADDRESS
PAR	PARALLEL
PART	PARTITION
PB	PANIC BAR
PBD	PARTICAL BOARD
PLBG	PLUMBING
PC	PLUMBING CONTRACT(OR)
PCC	PRECAST CONCRETE
PCF	POUNDS PER CUBIC FOOT
PE	PORCELAIN ENAMEL
PEN	PENETRATION
PERF	PERFORATE(D)
PERI	PERIMETER
PERM	PERMANENT
PERP	PERPENDICULAR
PFB	PRE FABRICATE(D)
PFN	PREFINISHED
PG	PLATE GLASS
PKG	PARKING
PL	PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLAST	PLASTER
PLF	POUNDS PER LINEAR FOOR
PLS	PLASTIC
PLT	PLATE
PLYWD	PLYWOOD
PNL	PANEL
PNT	PAINT(ED)
POB	POINT OF BEGINNING
POL	POLISHED
POS	POSITIVE
PR	PAIR
PREP	PREPARE
PRF	PREFORMED
PROJ	PROJECT
PRT	PRESERVATIVE TREATED
PSC	PRE-STRESSED CONCRETE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
PTD	PAPER TOWEL DISPENSER
PTN	PARTITION
PTR	PAPER TOWEL RECEPTOR
PUR	POLYURETHANE
PV	PAVE(D), PAVING
PVC	POLYVINYL CHLORIDE
PVCP	PVC PIPE
PVMT	PAVEMENT
PWD	PLYWOOD
PWR	POWER

Q

QA	QUALITY ASSURANCE
QC	QUALITY CONTROL
QT	QUARRY TILE
QTR	QUARTER
QTY	QUANTITY

R

R	RISE(R)
RA	RETURN AIR
RAD	RADIUS
RBR	RUBBER
RBT	RABBET
RC	REINFORCED CONCRETE
RCP	REINFORCED CONCRETE PIPE
RCP	REFLECTED CEILING PLAN
REF	REFERENCE
REFR	REFRIGERATE(D), REFIRGERATOR
REG	REGISTER
REINF	REINFORCE(D), REINFORCING
REQ	REQUIRED
RES	RESILIENT
RET	RETURN
REV	REVISED, REVISION(S)
RFG	ROOFING
RFH	ROOF HATCH
RFL	REFLECT(ED), (IVE), (OR)
RH	RIGHT HAND
RIM	RIM (ELEVATION)
RL	RAIL(ING)
RM	ROOM
RMV	REMOVE
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RP	RADIANT PANEL
RPM	REVOLUTIONS PER MINUTE
RS	RIENFORCING STEEL
RT	RUBBER TILE
RTE	ROUTE
RWC	RAINWATER CONDUCTOR

S

SAN	SANITARY (SEWER)
SB	SPLASHBLOCK
SC	SOLID CORE
SCHED	SCHEDULE
SCN	SCREEN
SD	SMOKE DETECTOR
SDG	SIDING
SEC	SECTION
SF	SQUARE FOOT
SFGL	SAFETY GLASS
SFR	STORE FOR REUSE
SGT	STRUCTURAL GLAZED TILE
SH	SILL HEIGHT
SHT	SHEET
SHTG	SHEATHING
SHWR	SHOWER
SIM	SIMILAR
SKL	SKYLIGHT
SL	SLIDING
SNT	SEALANT
SP	SOUND PROOF
SPC	SPACER
SPEC	SPECIFICATION(S)
SPKR	SPEAKER
SPL	SPECIAL
SQ	SQUARE
SSK	SERVICE SINK
SS	STAINLESS STEEL
ST	STREET
STA	STATION
STV	SOUND TRANSMISSION COEFFICIENT
STD	STANDARD
STL	STEEL
STN	STAIN(ED)
STND	STANDARD
STOR	STORAGE
STR	STRUCTURAL
SUBSTR	SUBSTRUCTURE
SUP	SUPPLY
SUPT	SUPERINTENDENT
SURF	SURFACE
SUSP	SUSPENDED
SW	SWITCH
SY	SQUARE YARD
SYS	SYSTEM

T

T	TREAD
TRM	TOILET ROOM
T&B	TOP & BOTTOM
T&G	TONGE & GROOVE
TAB	TABULATE
TC	TERRA COTTA
TEL	TELEPHONE
TEMP	TEMPORARY, TEMPERATURE
TF	TRANSPARENT FINISH
THK	THICK(NESS)
THR	THRESHOLD
TKBD	TACKBOARD
TKS	TACKSTRIP
TL	TILE
TMBR	TERMINATION BAR
TOF	TOP OF FOOTING
TOJ	TOP OF JOIST
TOL	TOLERANCE
TOM	TOP OF MASONRY
TOPO	TOPOGRAPHY, TOPOGRAPHIC
TOS	TOP OF STEEL
TOW	TOP OF WALL
TPD	TOILET PAPER DISPENSER
TR	TRANSOM
TV	TELEVISION, CABLE
TWP	TOWNSHIP
TYP	TYPICAL
TPTN	TOILET PARTITION
TZ	TERRAZZO

U

U/G	UNDERGROUND
UC	UNDERCUT
UN	UNLESS NOTED
UNF	UNFINISHED
UON	UNLESS OTHERWISE NOTED
UNP	UNPAINTED
UR	URINAL
UH	UNIT HEATER
UL	UNDERWRITER'S LABORATORIES
UNEX	UNEXCAVATED
UV	UNIT VENTILATOR

V

V	VENT, VOLT, VOLTAGE
VB	VINYL/RUBBER BASE
VCP	VITRIFIED CLAY PIPE
VCT	VINYL COMPOSITION TILE
VENT	VENTILATOR
VERT (V)	VERTICAL
VEST	VESTIBULE
VF	VINYL FABRIC
VIF	VERIFY IN FIELD
VIN	VINYL
VJ	V-JOINT(ED)
VOL	VOLUME
VWC	VINYL WALL COVERING
VAR	VARIABLE, VARIES
VAV BOX	VARIABLE AIR VOLUME BOX
VTR	VENT THROUGH ROOF

W

W	WIDE, WIDTH, WASTE, WATT, WEST
W/	WITH
W/O	WITHOUT
WB	WOOD BASE, WET BULB
WC	WATER CLOSET (TOILET)
WD	WOOD
WF	WALL FIN RADIATION
WG	WIRE(D) GLASS
WH	WATER HEATER, WALL HYDRANT
WHB	WHEEL BUMPER
WI	WROUGHT IRON
WM	WIRE MESH
WCO	WALL CLEANOUT
WDW	WINDOW
WP	WATERPROOF(ED), (ING)
WR	WATER REPELLENT
WS	WATERSTOP
WSCT	WAINSCOT
WT	WEIGHT
WTW	WALL TO WALL
WV	WALL VENT
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH

X

X	BY (BETWEEN DIMENSIONS)
XSECT	CROSS SECTION

Y

YD	YARD
YR	YEAR

Z

PRELIMINARY
NOT FOR CONSTRUCTION

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PH: (607) 737- 4638 WEB:AJH-DESIGN.COM

OWNER/CLIENT
FRIENDS OF ELMIRA CIVIL WAR PRISON CAMP

PROJECT
ELMIRA CIVIL WAR VISITOR CENTER
637-639 WINSOR AVE
ELMIRA, NY 14901

TITLE OF DRAWING
ABBREVIATIONS

DRAWING SCALE
AS NOTED
ISSUE DATE:
01.05.26
PROJECT NO.
25-086
DRAWING NO.
G-1.2

FIRE & LIFE SAFETY SYMBOLS

	EXIT SIGN W/DOOR HEAD EMERGENCY LIGHTS		ACCESSIBLE ENTRANCE
FE	WALL MOUNTED PORTABLE FIRE EXTINGUISHER W/SIGNAGE	F	FIRE PULL
	EGRESS PATH	F	FIRE ALARM W/STROBE
	ALTERNATE EGRESS PATH	S	HARD WIRED SMOKE DETECTOR
F	AUDIO/VISUAL DEVICE	C	CARBON MONOXIDE DETECTOR
F	FIRE ALARM PULL BOX STATION	H	HEAT DETECTOR
FACP	FIRE ALARM CONTROL PANEL		RECESSED SPRINKLER HEAD
	DENOTES FUTURE PHASE WALLS		SEMI-RECESSED SPRINKLER HEAD

PROJECT CODE INFORMATION

THE BUILDING SHALL BE IN COMPLIANCE WITH THE MOST RECENT VERSION OF THE FOLLOWING CODES:

- 2020 BUILDING CODE OF NEW YORK STATE (NYSBC)
- 2020 ENERGY CONSERVATION CODE OF NY YORK STATE (NYSECC)
- 2020 FIRE CODE OF NEW YORK STATE (NYSFC)
- 2020 MECHANICAL CODE OF NEW YORK STATE (NYSMC)
- 2020 PLUMBING CODE OF NEW YORK STATE (NYSPC)
- 2014 NATIONAL ELECTRICAL CODE (NEC)
- 2013 ICC/ANSI A117.1
- CURRENT NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

EXISTING BUILDING INFO			
	NOTES		SECTION
DESCRIPTION	NEW CONSTRUCTION OF A VISITOR CENTER FOR THE PRISON CAMP		
CLASSIFICATION OF WORK	NEW CONSTRUCTION	--	

OCCUPANCY CLASS AND SQUARE FOOTAGE				
OCCUPANCY	CLASS	SQ. FT.	NOTES	SECTION
ASSEMBLY (A-3)	A-3	5,295		NYSBC 302-312
		5,295	TOTAL BUILDING	

CONSTRUCTION TYPE			
OCCUPANCY	CONST. TYPE	NOTES	SECTION
A-3	VB	--	NYSBC 602

CONSTRUCTION TYPE REQUIREMENTS				
BUILDING ELEMENT	RATING	CONST. TYPE	NOTES	SECTION
STRUCTURAL FRAME	0	VB		NYSBC TABLE 601
BEARING WALLS (EXT.)	0	VB		
BEARING WALLS (INT.)	0	VB		
NON-BEARING WALLS (EXT.)	0	VB		NYSBC TABLE 602
NON-BEARING WALLS (INT.)	0	VB		NYSBC TABLE 601
ROOF CONSTRUCTION	0	VB		

ALLOWABLE HEIGHTS AND AREA				
REQUIREMENT	ALLOWABLE	ACTUAL	NOTES	SECTION
BUILDING HEIGHT				NYSBC TABLE 504.3
ASSEMBLY (A-3)	60 FT	32 FT 1 IN		
NUMBER OF STORIES				NYSBC TABLE 504.4
ASSEMBLY (A-3)	3 STORIES	1 STORIES		
SQUARE FOOTAGE				NYSBC TABLE 506.2
ASSEMBLY (A-3)	18,000	5,295		

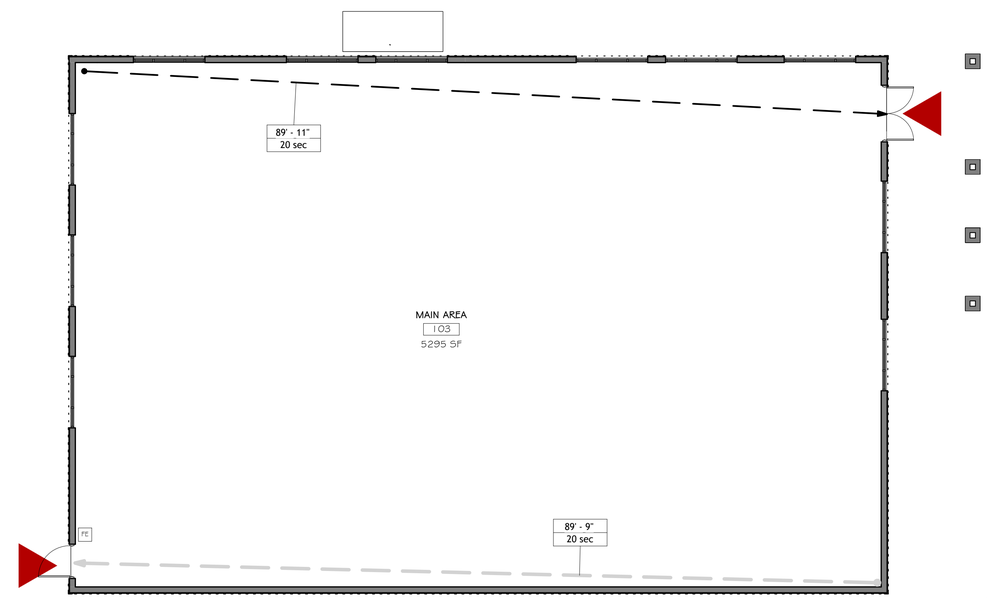
FIRE PROTECTION SYSTEMS				
ELEMENT	REQUIRED	PROVIDED	NOTES	SECTION
SPRINKLER SYSTEM	NO	NO		NYSBC 903
YARD HYDRANTS	N/A	NO		NYSBC 903
STANDPIPE SYSTEMS	NO	NO		NYSBC 905
PORTABLE FIRE EXTINGUISHERS	YES	YES		NYSBC 906
FIRE ALARM/DETECTION SYSTEMS	NO	YES	SMOKE ALARMS PROVIDED	NYSBC 907
SMOKE AND HEAT VENTS	NO	NO		NYSBC 910

CORRIDORS AND INCIDENTAL USE AREAS			
ELEMENT	RATING	NOTES	SECTION

OCCUPANT LOAD					
FUNCTION OF SPACE	SQ. FT.	RATIO	OCCUPANTS	NOTES	SECTION
ASSEMBLY, A-3	5,295	30 NET	176		NYSBC TABLE 1004.5
TOTAL OCCUPANTS			176		

MEANS OF EGRESS			
ELEMENTS	REQUIREMENT	NOTES	SECTION
OCCUPANTS	176	RE: OCCUPANT LOAD ABOVE	
DOORS & CORRIDORS	0.2" x OCC LOAD	36" WIDTH MINIMUM REQUIRED	NYSBC 1005 NYSBC 1010 NYSBC 1011.2
STAIRS	0.3" x OCC LOAD		
TRAVEL DISTANCE	200 FT MAX		NYSBC TABLE 1017.2
TOTAL EXITS			
FIRST FLOOR EXITS	2		NYSBC 1006.3

ENERGY COMPLIANCE				
APPLICABILITY	CHANGE IN OCCUPANCY	MUST COMPLY WITH IECC		IECC 101
CLIMATE ZONE	5A			NYSECC TABLE 301.1
BUILDING ELEMENT	TYPE OF CONSTRUCTION	INSULATION REQUIREMENT	NOTES	SECTION
ROOF	ATTIC AND OTHER	R38		NYSECC 502
WALLS, ABOVE GRADE	WOOD FRAMED	R-13 + R-3.8 CI OR R20		
WALLS, BELOW GRADE	BELOW GRADE WALL	R-7.5 CI		
SLAB-ON-GRADE FLOORS	UNHEATED	R-10 FOR 24" BELOW		
OPAQUE DOORS	SWING	U-.37		



2 FIRST FLOOR LIFE SAFETY PLAN
1/8" = 1'-0"

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PH: (607) 737-4638 WEB:AJH-DESIGN.COM

OWNER/CLIENT
FRIENDS OF ELMIRA CIVIL WAR PRISON CAMP

PROJECT
ELMIRA CIVIL WAR VISITOR CENTER
637-639 WINSOR AVE
ELMIRA, NY 14901

TITLE OF DRAWING
CODE REVIEW, LIFE SAFETY, AND SPECIFICATIONS

DRAWING SCALE
AS NOTED
ISSUE DATE:
01.05.26
PROJECT NO.
25-086
DRAWING NO.
C-1.1

ARCHITECTURAL SPECIFICATIONS

DIVISION 1 / GENERAL REQUIREMENTS

1.1 RE: CIVIL, STRUCT, MECH & ELEC FOR SPECIFICATIONS IN ADDITION TO THOSE DESCRIBED BELOW:

1.2 THE LOCALLY ADOPTED STATE BUILDING CODE W/LATEST AMENDMENTS, BULLETINS, AND INTERPRETATIONS AN ALL ADOPTED & REFERENCED SUB CODES, PUBLICATIONS, REPORTS (THE "CODE") APPLIES TO ALL CONSTRUCTION ACTIVITIES (THE "WORK") OF A NATURE AND INTENT INDICATED BY THESE CONSTRUCTION DRAWINGS, SPECIFICATIONS, ADDENDA, ETC. (THE "DOCUMENTS") AT THE STRUCTURE, BUILDING, AND/OR PROJECT/SITE (THE "WORK AREA") REFERENCED HEREIN. THE GENERAL CONTRACTOR (THE "CONTRACTOR" OR "G.C.") SHALL VERIFY ALL CODE REQUIREMENTS BEFORE COMMENCEMENT OF WORK AND BRING ANY DISCREPANCIES BETWEEN CODE REQUIREMENTS AND THE CONSTRUCTION DOCUMENTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER. ALL TRADES, I.E. MECHANICAL, ELECTRICAL, AND PLUMBING SUBCONTRACTORS OR INDEPENDENTLY CONTRACTED INDIVIDUAL TRADE CONTRACTORS (THE "CONTRACTORS"), SHALL PERFORM ALL WORK IN ACCORDANCE WITH ANY AND ALL APPLICABLE CODES CURRENTLY IN EFFECT AT THE TIME OF CONSTRUCTION. CONSTRUCTION "ELEMENTS" OR "COMPONENTS" ARE SPECIFIC PORTIONS OF THE PROJECT SCOPE OF WORK OR SITE CONDITIONS ADDRESSED BY THE DRAWING NOTATION.

1.3 OSHA REGULATIONS SHALL APPLY WHERE REQUIRED DURING THE COURSE OF THE WORK AS IT APPLIES TO WORKER SAFETY. CONTRACTOR SHALL DESIGNATE A "SAFETY DIRECTOR" WHO SHALL BE RESPONSIBLE FOR ALL OSHA SAFETY REQUIREMENTS. NOTHING CONTAINED IN THESE DOCUMENTS IN ANY WAY REQUIRES THE ARCHITECT, ENGINEER, OR OWNER TO BE RESPONSIBLE FOR ANY ASPECT OF SAFETY DURING CONSTRUCTION OR TO ENSURE THAT THE CONTRACTOR FOLLOWS WHATEVER SAFETY REGULATIONS MAY BE APPLICABLE.

1.4 ALL WORK SHALL BE IN CONFORMANCE WITH ALL FEDERAL, STATE, AND LOCAL CODES AND ACTS, MANUFACTURER'S RECOMMENDATIONS AND INDUSTRY STANDARDS OF GOOD PRACTICE.

1.5 ALL MATERIALS SHALL BE AS SPECIFIED AND/OR DETAILED, AND STORED AND INSTALLED IN A WORKMANLIKE MANNER, IN ACCORDANCE WITH APPLICABLE CODES, MANUFACTURER'S RECOMMENDATIONS, AND INDUSTRY STANDARDS OF GOOD PRACTICE ("AS REQUIRED").

1.6 ALL CONTRACTOR SHALL MAINTAIN THE PREMISES CLEAN AND FREE OF ALL TRASH, DEBRIS AND SHALL PROTECT ALL ADJACENT WORK FROM DAMAGE, SOILING, PAINT OVER SPRAY, ETC. ALL FIXTURES, EQUIPMENT, GLAZING, FLOORS, ETC., SHALL BE LEFT CLEAN AND READY FOR OWNER'S INTENDED USE UPON COMPLETION OF THE PROJECT.

1.7 THE CONTRACTORS SHALL BRING ERRORS AND OMISSIONS WHICH MAY OCCUR IN CONTRACT DOCUMENTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER AND INSTRUCTIONS SHALL BE OBTAINED BEFORE PROCEEDING WITH AFFECTED WORK. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR RECTIFYING UNACCEPTABLE RESULTS OF ANY ERRORS, DISCREPANCIES, OR OMISSIONS IN THE CONTRACT DOCUMENTS WHICH CAN READILY OR REASONABLY BE DETERMINED AND FOR WHICH THE CONTRACTOR FAILED TO NOTIFY THE ARCHITECT/ENGINEER BEFORE CONSTRUCTION AND/OR FABRICATION OF SUBJECT WORK. THE GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS WITHIN THE CONTRACT LIMITS. DEVIATIONS FROM THE CONTRACT DOCUMENTS NECESSITATED BY FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF AND REVIEWED BY THE ARCHITECT/ENGINEER AND INSTRUCTIONS SHALL BE OBTAINED BEFORE PROCEEDING WITH WORK.

1.8 CONTRACTOR TO COORDINATE ALL DIMENSIONS ON PREFABRICATED ITEMS WITH MANUFACTURERS INSTRUCTIONS.

1.9 CONTRACTOR RESPONSIBLE FOR SUPPLYING ALL RELATED ITEMS REQUIRED FOR CONSTRUCTION, UNLESS OTHER ARRANGEMENTS ARE MADE WITH OWNER. SPECIFIC ITEMS TO BE FURNISHED BY OWNER OR OTHERS ARE NOTED IN THESE DOCUMENTS.

1.10 CIVIL ENGINEERING AND SITE IMPROVEMENTS, GEOTECHNICAL, ENVIRONMENTAL, TELECOM, AUDIO-VISUAL, COMPUTER, AND SECURITY SYSTEMS, INTERIOR DESIGN & DOCUMENTATION PROVISIONS ARE NOT INCLUDED AS PART OF THE SCOPE OF THESE CONSTRUCTION DOCUMENTS UNLESS SPECIFICALLY NOTED HEREIN. THE GENERAL CONTRACTOR SHALL CONSULT WITH THE OWNER REGARDING THE COORDINATION OF THESE PROVISIONS WITH THE SCOPE OF WORK IDENTIFIED BY THESE DOCUMENTS AND ANY OTHER WORK REQUIRED BY THE OWNER RELATED TO THIS PROJECT AND/OR SUPPLEMENTAL OWNER PROVIDED DOCUMENTATION.

1.11 THE ARCHITECT, ENGINEER AND OWNER ARE NOT RESPONSIBLE FOR WORK COMPLETED BY CONTRACTOR(S) THAT DEVIATES FROM ADOPTED APPLICABLE CODES, OR THE INTENT OF THESE DOCUMENTS. THE G.C. SHALL RECTIFY ALL NON-CONFORMANCE ISSUES IN ORDER TO COMPLY WITH CODE AND THE INTENT OF THESE DOCUMENTS AT NO ADDITIONAL COST TO THE OWNER, ATTAINMENT OF A CERTIFICATE OF OCCUPANCY FOR THE OWNER IS REQUIRED BUT MAY NOT REPRESENT THE ENTIRETY OF THE SCOPE OF WORK THAT IS TO BE COMPLETED BY THE G.C. FOR THIS PROJECT.

1.12 ENLARGED DRAWINGS/DETAILS SHALL TAKE PRECEDENCE OVER SMALLER SCALE DRAWINGS.

1.13 DO NOT SCALE DRAWINGS. MATERIALS, GRAPHIC CONDITIONS AND DISTANCES SHOWN SHALL BE SUPERSEDED BY WRITTEN TEXT AND DIMENSIONS.

1.14 DETAILS AND SECTIONS ON THE DRAWINGS ARE TAKEN AT SPECIFIC LOCATIONS AND ARE INTENDED TO SERVE AS A REPRESENTATION OF TYPICAL CONSTRUCTION METHODOLOGY FOR ALL SIMILAR CONDITIONS. MODIFICATIONS SHALL BE MADE BY THE CONTRACTORS TO ACCOMMODATE MINOR VARIATIONS. IF MAJOR VARIATIONS FROM TYPICAL DETAILS AND SECTIONS ARE REQUIRED, G.C. SHALL NOTIFY ARCHITECT PRIOR TO PERFORMING SUCH WORK.

1.15 CONTRACTOR TO INSURE STABILITY AND SAFETY OF STRUCTURE AT ALL TIMES DURING THE CONSTRUCTION PERIOD. CONTRACTOR SHALL NOT OCCUPY ADJACENT PROPERTIES WITHOUT FIRST OBTAINING WRITTEN PERMISSION FROM PROPERTY OWNERS AND SUBMITTING A RECORD OF THIS PERMISSION TO THE OWNER FOR REVIEW AND APPROVAL.

1.16 SPECIAL PROVISIONS FOR RADON CONTROL HAVE NOT BEEN INCLUDED IN THE DESIGN OF THIS PROJECT. CONTRACTOR TO NOTIFY OWNER IF SITE CONDITIONS WARRANT THE INCLUSION OF POSITIVE RADON CONTROL SYSTEM IN THE SCOPE OF WORK FOR THIS PROJECT.

1.18 CONTRACTOR IS TO PROVIDE AN ENTIRELY FINISHED PRODUCT UPON COMPLETION OF CONSTRUCTION INCLUDING ANY FINAL REPAIRS OR WORK IDENTIFIED BY PUNCHLIST ITEMS TO THE SATISFACTION OF THE OWNER AND ENGINEER/ARCHITECT.

1.19 THE GENERAL CONTRACTOR SHALL GUARANTEE ALL WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE (1) YEAR MINIMUM OR AS OTHERWISE AGREED BY THE OWNER.

DIVISION 2 / SITE CONSTRUCTION

2.1 RE: CIVIL & STRUCTURAL FOR SPECIFICATIONS IN ADDITION TO THOSE DESCRIBED BELOW:

2.2 CONSULT THE CIVIL ENGINEERING DOCUMENTS CREATED FOR THIS SPECIFIC PROJECT. FOR ADDITIONAL SITE UTILITIES CONSTRUCTION INFORMATION, WHERE INFORMATION CONTAINED THEREIN DIFFERS FROM INFORMATION PROVIDED ON THESE DOCUMENTS, CONTRACTOR SHALL OBTAIN CLARIFICATION FROM THE CIVIL ENGINEER, NOTIFY THE ARCHITECT/ENGINEER, AND CONTINUE TO PERFORM THE WORK IN ACCORDANCE WITH THE MOST STRINGENT REQUIREMENTS UNLESS OTHERWISE DIRECTED.

2.3 GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES AND SERVICES USING 'ONE-CALL' PROTOCOLS OR OTHER METHODS AS PER LOCAL JURISDICTION. UTILITIES SHALL BE VERIFIED PRIOR TO CONSTRUCTION AND THE G.C. SHALL COORDINATE THE CONNECTION INTO, REMOVAL OF AND/OR RELOCATION OF ABOVE-GROUND OR UNDERGROUND UTILITIES WITH OWNER AND LOCAL MUNICIPAL UTILITY AUTHORITIES / PUBLIC UTILITY COMPANIES AS REQUIRED TO MEET THE INTENT OF THIS PROJECT.

DIVISION 3 / CONCRETE

3.1 RE: STRUCTURAL

DIVISION 4 / MASONRY

4.1 RE: STRUCTURAL

DIVISION 5 / METALS

5.1 RE: STRUCTURAL FOR SPECIFICATIONS IN ADDITION TO THOSE DESCRIBED BELOW:

5.2 WHERE ALUMINUM IS ADJACENT TO STEEL, PROVIDE ADEQUATE BARRIER TO PREVENT OXIDATION OF ALUM.

DIVISION 6 / WOOD, PLASTICS, AND COMPOSITES

6.1 RE: STRUCTURAL FOR SPECIFICATIONS IN ADDITION TO THOSE DESCRIBED BELOW:

6.2 ALL MISCELLANEOUS WOOD SHALL BE DRY LUMBER (SEASONED TO A MOISTURE CONTENT OF 19% OR LESS), UNLESS PRESERVATIVE PRESSURE-TREATED. ALL WOOD PRODUCTS AND MATERIALS SHALL BE STORED, STAGED, AND INSTALLED DRY AND SHALL BE PROTECTED FROM MOISTURE TO GREATEST EXTENT PRACTICABLE. STANDING WATER SHALL BE IMMEDIATELY REMOVED FROM WOOD MATERIALS EXPOSED TO MOISTURE DURING CONSTRUCTION. PRESERVATIVE PRESSURE-TREATED LUMBER SHALL BE "ARSENIC-FREE".

6.3 ALL METAL AND/OR WOOD FRAMING MATERIALS SHALL BE FREE OF VISUALLY OBSERVABLE WARPING, CUPPING, CHECKING, AND OTHER SUBSTANTIVE IMPERFECTIONS THAT ADVERSELY AFFECT STRUCTURAL PERFORMANCE OR THE PROVISION OF PLUMB AND TRUE CONNECTIONS WITH OTHER FRAMING MEMBERS.

6.4 ALL WOOD TRIM EXPOSED TO THE ELEMENTS, OR IN CONTACT WITH EARTH, CONCRETE, OR MASONRY, SHALL BE OF ARSENIC-FREE PRESSURE-TREATED LUMBER.

6.5 THE CONTRACTOR SHALL PROVIDE ADEQUATE SUPPORTS AND/OR BACKING MATERIAL IN NEW OR EXISTING WALLS FOR EQUIPMENT AND/OR ACCESSORIES ATTACHED THERETO.

DIVISION 7 / THERMAL & MOISTURE PROTECTION

7.1 INSTALL EXTERIOR PAINTABLE URETHANE SEALANTS AND INTERIOR PAINTABLE SILICONE CAULKING (WITH BACKER ROD AND PRIMER TAPE WHERE INDICATED) AT ALL JOINTS WHERE SHOWN ON THE DRAWINGS AND ELSEWHERE AS REQUIRED (UNLESS NOTED OTHERWISE) TO PROVIDE A POSITIVE BARRIER AGAINST MOISTURE AND PASSAGE OF AIR. ELASTOMERIC SEALANTS SHALL COMPLY WITH ASTM C920 AND ASTM C1193.

7.2 BACKPAINT METAL FLASHINGS WITH BITUMINOUS PAINT WHERE IN CONTACT WITH CEMENTITIOUS MATERIALS OR DISSIMILAR METALS.

7.4 PROVIDE AND INSTALL VAPOR/MOISTURE RETARDER AS PER CODE, AS INDICATED ON DRAWINGS AND AS PER MANUFACTURER'S INSTRUCTIONS WITH CLASS A FLAME SPREAD AND SMOKE DEVELOPED VALUES.

7.5 EXTRUDED POLYSTYRENE BOARD INSULATION SHALL CONFORM TO ASTM C 578, OF TYPE IV, 1.6LBS/CU.FT. DENSITY WITH A MAXIMUM FLAME SPREAD AND SMOKE DEVELOPED INDICES OF 75 AND 450 RESPECTIVELY.

7.7 PROTECT ALL INSULATION MATERIALS FROM PHYSICAL DAMAGE FROM DETERIORATION BY MOISTURE, SOILING, AND OTHER SOURCES. STORE INSIDE AND IN A DRY LOCATION.

7.8 CONCEALED INSULATION SHALL HAVE A FLAME SPREAD INDEX OF NO MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 450 IN ACCORDANCE WITH ASTM E 84.

7.09 METAL GUTTER AND RAINWATER CONDUCTOR COMPONENTS SHALL BE PROVIDED AND INSTALLED AS INDICATED ON DRAWINGS, AS PER CODE AND AS PER MANUFACTURER DIRECTIONS. ALL GUTTERS SHALL BE INSTALLED SO AS TO POSITIVELY DIRECT WATER TO CONDUCTORS. INSTALL LONGEST GUTTER LENGTHS AS PRACTICABLE AND PROVIDE APPROPRIATE SEALANTS AT SEAMS. POSITION GUTTERS SO THAT ICE THAT MAY SLIDE FROM ADJACENT SLOPED ROOFING BYPASSES TOP LEADING EDGE OF GUTTER.

7.10 PROVIDE AND INSTALL RAINWATER CONDUCTORS PLUMB AND TRUE AND FASTEN TO SUBSTRATE AS REQUIRED FOR SECURE ATTACHMENT CONSIDERING POTENTIAL DYNAMIC THRUST CREATED BY STORMWATER FLOW AND VOLUME. ALL FASTENERS AND SUPPORT ACCESSORIES SHALL BE OF THE SAME MATERIAL AS THE CONDUCTOR AND SHALL BE PROVIDED TO ELIMINATE THE POSSIBILITY OF GALVANIC CORROSION DUE TO DISSIMILAR METALS, PROVIDE PROTECTION OF CONDUCTOR AT BOTTOM RUNOUT WHERE ADJACENT TO PAVING AS PER PLUMBING CODE PROVISIONS IN A METHOD ACCEPTABLE TO OWNER. COORDINATE LOCATION OF CONDUCTORS WITH UNDERGROUND STORMWATER PIPING SYSTEMS AS PER THE CIVIL ENGINEERING DESIGN AS APPLICABLE.

DIVISION 8 / DOORS AND WINDOWS

8.1 DOOR UNITS AND FRAMES SHALL BE PROTECTED DURING CONSTRUCTION. THE GENERAL CONTRACTOR SHALL REPAIR/REPLACE ANY DAMAGE TO SUCH MATERIALS AND PRODUCTS AT NO ADDITIONAL COST TO THE OWNER.

8.2 ALL DOOR HEIGHTS TO BE AS INDICATED ON DOOR SCHEDULE. DOOR HEIGHT TO BE MODIFIED BY G.C. AS REQUIRED TO ACCOMMODATE VARIOUS FLOOR FINISHES, THRESHOLDS, ROUGH OPENINGS AND MECHANICAL DESIGN UNDERCUTS.

8.3 CONTRACTOR SHALL CONFORM TO THE ADOPTED ENERGY CODE AND VERIFY THAT MAXIMUM WINDOW AND DOOR INFILTRATION RATES ARE NOT EXCEEDED.

8.4 ALL DOORS, WINDOW, TRANSOMS, SIDELIGHTS, ETC. OPENING TO THE EXTERIOR OR TO UNCONDITIONED AREAS SHALL BE FULLY WEATHER STRIPPED, GASKETED OR OTHERWISE TREATED TO LIMIT AIR INFILTRATION.

8.5 GLAZING IN LOCATIONS WHICH MAY BE SUBJECT TO HUMAN IMPACT SUCH AS GLASS ENTRANCE DOORS, FIXED GLASS PANELS, DOOR LIGHTS, ETC. SHALL MEET THE REQUIREMENTS SET FORTH IN THE ADOPTED CONSTRUCTION CODE AND THE SAFETY STANDARD FOR ARCHITECTURAL GLAZING MATERIALS (16 CFR 1201). ALL GLAZED PANELS LOCATED WITHIN 12" OF A DOOR SHALL BE TEMPERED GLASS UNLESS SUCH PANELS ARE PROVIDED WITH A HORIZONTAL MEMBER 1-1/2" MINIMUM WIDTH LOCATED BETWEEN 24" AND 36" ABOVE THE ADJACENT WALKING SURFACE.

8.6 PROTECT ALL GLAZING MATERIALS ACCORDING TO MANUFACTURER'S WRITTEN SPECIFICATIONS AND AS REQUIRED TO PREVENT DAMAGE FROM CONDENSATION, TEMPERATURE CHANGES, DIRECT EXPOSURE TO SUN, OR ANY OTHER HARMFUL CONDITIONS.

8.7 GLAZING SHALL BE AS NOTED OR SCHEDULED ON THE DRAWINGS AND SHALL BE INSTALLED AS PER MANUFACTURER'S INSTRUCTION AND COORDINATED WITH THE ALUMINUM DOOR AND GLAZING FRAMING SYSTEMS. USE TEMPERED SAFETY GLAZING AS PER CODE. PROVIDE WINDLOAD DESIGN SUPPORT DATA FROM GLASS MANUFACTURER FOR ARCHITECT REVIEW PRIOR TO ORDERING GLAZING FOR THIS PROJECT. ALL EXTERIOR GLAZING SHALL BE INSULATED TYPE, FULLY GASKETED.

8.8 ALL EXTERIOR DOOR HARDWARE TO COMPLY WITH AMERICANS WITH DISABILITIES ACT (ADA) "ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES (ADAAG)" AND NFPA 101.

8.9 REFER TO DRAWINGS FOR DOOR TYPES, SIZES, FRAME DETAILS, AND HARDWARE SET DESIGNATIONS.

8.10 ALL DOORS SHALL BE STORED IN A THERMALLY CONTROLLED ENVIRONMENT ON SITE UNTIL INSTALLED. STORE DOORS UPRIGHT WITH HEADS UP AND BLOCKING BETWEEN DOORS TO PREVENT DAMAGE OR WARPING.

8.11 ALL LOCKS AND LOCKSETS SHALL BE COORDINATED WITH THIRD PARTY SECURITY CONTRACTOR AND/OR OWNER. VERIFY KEY QUANTITIES AND COPIES NEEDED AND ADHERE TO OWNER'S SECURITY POLICY FOR DOOR LOCKING ACCESSORIES.

8.12 ALL ALUMINUM STOREFRONT DOORS SHALL BE MANUFACTURED BY KAWNEER OR APPROVED EQUAL.

8.13 INTERIOR AND EXTERIOR STL DOORS SHALL BE MANUFACTURED BY STEELCRAFT OR APPROVED.

DIVISION 9 / FINISHES AND FINISH TREATMENTS

9.1 PRIOR TO PAINT APPLICATION, CLEAN WALL AND ENSURE ALL SURFACES ARE SOUND. LIGHTLY SAND AND PREPARE SURFACES AS NECESSARY.

9.2 APPLICATION OF PAINT OR OTHER COATING SHALL BE IN STRICT ACCORDANCE WITH MANUFACTURER'S DIRECTIONS. READY-MIXED PAINT SHALL NOT BE THINNED, EXCEPT AS PERMITTED IN THE APPLICATION INSTRUCTIONS.

9.3 ALL SURFACE TO BE FINISHED SHALL BE CLEAN AND FREE OF FOREIGN MATERIALS (DIRT, GREASE, ASPHALT, RUST, ETC.). APPLICATION SHALL BE IN A WORKMANLIKE MANNER PROVIDING A SMOOTH SURFACE. APPLICATION RATE SHALL BE THAT RECOMMENDED BY THE MANUFACTURER. APPLICATION MAY BE BY BRUSH OR ROLLER OR BY SPRAY IF PAINT IS FORMULATED FOR SPRAY APPLICATION. EXPOSED STEEL TO BE FINISHED AS INDICATED ON DRAWINGS.

9.4 SOLVENT-BASED COATINGS (IF APPLICABLE) - MANUFACTURER TO BE SELECTED BY OWNER - USE VOC-COMPLIANT MATERIALS THAT CONFORM TO THE LAWS IN THE JURISDICTION WHERE THE PROJECT IS LOCATED - CONTRACTOR TO PROVIDE AND INSTALL AS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.

9.5 GENERAL PAINT USAGE PER SUBSTRATE:
DOORS: EXTERIOR FACES OF HOLLOW METAL FRAMES AND DOORS: 2 COATS SPRAY-APPLIED LOW VOC SOLVENT-BASED SEMI-GLOSS ENAMEL TOPCOAT ON FACTORY-PRIMED COATING.
INTERIOR FACES OF HOLLOW METAL FRAMES AND DOORS: 2 COATS SPRAY-APPLIED LATEX SEMI-GLOSS ENAMEL TOPCOAT ON FACTORY-PRIMED COATING.
LATEX MATERIAL: USE "SHERWIN-WILLIAMS" "SUPERPAINT" (OR APPROVED EQUAL) - G.C. TO PROVIDE AND INSTALL AS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
STRUCTURAL STEEL: ONE COAT OF SHOP APPLIED APPROVED PRIME PAINT.

9.11 ALL FINISHES SPECIFIED SHALL BE INSTALLED AND/OR APPLIED PER MANUFACTURERS SPECIFICATIONS PROVIDE AND ALL RELATED ACCESSORIES OR MATERIALS AS NEEDED FOR PROPER AND COMPLETE INSTALLATION.

DIVISION 10 / SPECIALTIES

10.3 PROVIDE FIRE EXTINGUISHERS DURING CONSTRUCTION AND AS OTHERWISE REQUIRED BY CODE FOR PERMANENT INSTALLATION AFTER CONSTRUCTION IS COMPLETE AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL FIRE OFFICIAL.

DIVISION 11 / EQUIPMENT

11.1 NO SPECIALIZED EQUIPMENT IS PROPOSED UNDER THIS CONTRACT. COORDINATE WITH OWNER OR THIRD PARTY CONTRACTORS AND RELATED N.I.C. EQUIPMENT FOR ANY SCHEDULING OR CONTRACTIBILITY CONCERNS AS NEEDED.

DIVISION 12 / FURNISHINGS / CASEWORK

12.7 CONCEALED MATERIALS SHALL BE SOLID WOOD OR PLYWOOD, OF ANY HARDWOOD OR SOFTWOOD SPECIES WITH NO DEFECTS, AFFECTING STRENGTH OR UTILITY; PARTICLEBOARD, MDF, OR HARDBOARD.

12.8 HINGES SHALL BE CONCEALED EUROPEAN STYLE CLOSING HINGES. CASEWORK PULLS SHALL BE SELECTED BY OWNER AND ARCHITECT. PROVIDE PRODUCT DATA SUBMITTALS FOR FULL RANGE OF MANUFACTURER'S PRODUCT LINE. DRAWER GUIDES SHALL BE EPOXY COATED METAL, SELF CLOSING, WITH BALL BEARING ROLLERS.

DIVISION 22 / PLUMBING

RE: PLUMBING

DIVISION 23 / HVAC - MECHANICAL

RE: MECHANICAL

DIVISION 26 / ELECTRICAL

RE: ELECTRICAL

PRELIMINARY
NOT FOR CONSTRUCTION

NOT APPROVED
THIS PLAN HAS NOT RECEIVED FINAL APPROVAL OF ALL REVIEWING AGENCIES. THIS PLAN IS SUBJECT TO REVISIONS UNTIL ALL APPROVALS ARE OBTAINED AND SHOULD NOT BE USED FOR CONSTRUCTION PURPOSES.

	ISSUED / REVISIONS	DATE
0	ISSUED FOR BID	01-05-26

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AJH DESIGN
111 E. 14TH STREET ▪ ELMIRA HEIGHTS, NEW YORK 14903
PH: (607) 737- 4638 WEB:AJH-DESIGN.COM

OWNER/CLIENT
FRIENDS OF ELMIRA CIVIL WAR PRISON CAMP

PROJECT
ELMIRA CIVIL WAR VISITOR CENTER
637-639 WINSOR AVE
ELMIRA, NY 14901

TITLE OF DRAWING
ARCHITECTURAL SPECIFICATIONS

DRAWING SCALE
AS NOTED
ISSUE DATE:
01.05.26
PROJECT NO.
25-086
DRAWING NO.
C-1.3

1. GENERAL

1.1 BUILDING CODES & STANDARDS5

A. NYS BUILDING CODE - INTERNATIONAL BUILDING CODE (IBC), 2018 EDITION

B. AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) - MINIMUM DESIGN LOADS FOR BUILDINGS & OTHER STRUCTURES, 2010 EDITION (ASCE 7).

1.4 GENERAL REQUIREMENTS

C. VERIFY EXISTING CONDITIONS & DIMENSIONS PRIOR TO BEGINNING WORK OR FABRICATING MATERIALS. NOTIFY STRUCTURAL ENGINEER OF RECORD (SER) OF ANY DISCREPANCIES BEFORE PROCEEDING WITH ANY PHASE OF WORK.

D. DO NOT SCALE DRAWINGS FOR THE PURPOSE OF ESTABLISHING DIMENSIONS.

E. DETAILS LABELED "TYPICAL DETAILS" ON DRAWINGS APPLY TO SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY DETAILED. SUCH DETAILS APPLY WHETHER OR NOT DETAILS ARE REFERENCED AT EACH LOCATION. NOTIFY SER OF CONFLICT REGARDING APPLICABILITY OF "TYPICAL DETAILS".

F. DO NOT LOAD THE SLAB ON GRADE OR SUPPORTED SLAB WITH ERECTION CRANES OR ERECTION EQUIPMENT. THE SLABS HAVE NOT BEEN DESIGNED FOR CRANE LOADS & WILL REQUIRE AN INCREASE IN THICKNESS &/OR REINFORCEMENT. OBTAIN SER APPROVAL ON PROPOSED CRANE SUPPORT PLAN FOR SLABS PRIOR TO COMMENCING WORK.

G. DO NOT STORE OR STACK CONSTRUCTION MATERIALS ON POURED OR ERECTED FLOORS/ROOFS IN EXCESS OF 80 PERCENT OF LIVE LOAD. GENERAL CONTRACTOR SHALL ENSURE THAT ALL SUB-CONTRACTORS ARE INFORMED OF LOADING RESTRICTIONS. AVOID IMPACT WHEN PLACING MATERIALS ON POURED OR ERECTED FLOORS OR ROOF.

H. BEFORE PROCEEDING WITH ANY WORK WITHIN THE PROJECT AREA, THE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH EXISTING STRUCTURE & OTHER CONDITIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL NECESSARY BRACINGS, SHORINGS & OTHER AFE GUARDS TO MAINTAIN ALL PARTS OF EXISTING STRUCTURES & FACILITIES IN A SAFE CONDITION DURING THE PROCESS OF DEMOLITION & CONSTRUCTION & TO PROTECT FROM DAMAGE THOSE PORTIONS OF EXISTING STRUCTURES & FACILITIES WHICH ARE TO REMAIN.

I. THESE DRAWINGS REPRESENT THE COMPLETED PROJECT WHICH HAS BEEN DESIGNED FOR THE WEIGHTS OF MATERIALS INDICATED ON THE DRAWINGS & FOR THE SUPERIMPOSED LOADS INDICATED IN THE DESIGN LOADS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ALLOWABLE CONSTRUCTION LOADS & TO PROVIDE PROPER DESIGN & CONSTRUCTION OF FALSE WORK, STAGINGS, BRACING, SHEETING & SHORING, ETC

1. .THE CONTRACT STRUCTURAL DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS & METHODS OF CONSTRUCTION. PROVIDE ALL MEASURES REQUIRED TO PROTECT THE STRUCTURE, WORKMEN, & OTHER PERSONS DURING CONSTRUCTION; INCLUDING BRACING, SHORING FOR CONSTRUCTION EQUIPMENT, SHORING FOR THE BUILDING, FORMS & SCAFFOLDING, SHORING OF RETAINING WALLS & OTHER TEMPORARY SUPPORTS AS REQUIRED. COMPLY WITH APPLICABLE REQUIREMENTS OF OSHA & OTHER GOVERNING BODIES HAVING JURISDICTION AT THE SITE.

2. IMPLEMENTING JOB SITE SAFETY & CONSTRUCTION PROCEDURES ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

3. THE CONTRACTOR SHALL PROVIDE DRAWINGS & CALCULATIONS SIGNED & SEALED BY A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF NEW YORK FOR THE FOLLOWING ASSEMBLIES. THE DESIGN OF THESE ASSEMBLIES IS THE RESPONSIBILITY OF THE ENGINEER WHO HAS SIGNED & SEALED THESE DRAWINGS & CALCULATIONS.

a. WOOD TRUSS ROOF SYSTEM IN ITS ENTIRETY INCLUDING BUT NOT LIMITED TO TRUSSES, PURLINS, & BRACING. THESE ASSEMBLIES SHALL BE DESIGNED TO SUPPORT ALL GRAVITY & LATERAL LOADS REQUIRED IN THE DRAWINGS & INTERNATIONAL BUILDING CODE.

J. PRINCIPAL OPENINGS THROUGH THE FRAMING ARE SHOWN ON DRAWINGS. COORDINATE WITH THE ARCHITECTURAL DRAWINGS FOR THE REQUIRED OPENINGS & PROVIDE FOR REQUIRED OPENINGS WHETHER SHOWN ON THE STRUCTURAL DRAWINGS OR NOT. DEVIATIONS FROM THE OPENINGS SHOWN ON THE STRUCTURAL DRAWINGS MUST BE APPROVED BY THE SER PRIOR TO IMPLEMENTING THE CHANGES.

L. SEE ARCHITECTURAL DRAWINGS FOR STRUCTURE ELEVATIONS NOT INDICATED ON STRUCTURAL DRAWINGS & FOR ADDITIONAL INFORMATION FOR ALL SLAB DEPRESSIONS. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE SER PRIOR TO FABRICATING OR INSTALLING STRUCTURAL MEMBERS.

.5 SPECIAL INSPECTIONS

A. SPECIAL INSPECTIONS SHALL BE PROVIDED IN ACCORDANCE WITH THE GOVERNING BUILDING CODE & THE STATEMENT OF REQUIRED SPECIAL INSPECTIONS PREPARED BY THE DESIGN PROFESSIONAL.

B. WHERE SPECIAL INSPECTION REQUIREMENTS DUPLICATE THE REQUIREMENTS OF OTHER SPECIFIED TESTING, DUPLICATE INSPECTIONS SHALL NOT BE REQUIRED.

2. EARTHWORK & FOUNDATIONS

.1 DESIGN DATA

A. FOUNDATION DESIGN IS BASED UPON IBC TABLE 1806.2 & AN ASSUMED ALLOWABLE BEARING CAPACITY OF 1,500 PSF.

B. ALL EXTERIOR FOUNDATIONS SHALL BEAR A MINIMUM OF 4'-0" BELOW GRADE.

C. BUILDING SPREAD FOOTINGS SHALL BEAR ON UNDISTURBED SOILS ON PROPERLY PLACED & COMPACTED STRUCTURAL FILL WITH AN ASSUMED ALLOWABLE BEARING PRESSURE OF 1,500 PSF

2. EARTHWORK & FOUNDATIONS

2.1 DESIGN DATA

A. FOUNDATION DESIGN IS BASED UPON IBC TABLE 1806.2 & AN ASSUMED ALLOWABLE BEARING CAPACITY OF 1,500 PSF.

B. ALL EXTERIOR FOUNDATIONS SHALL BEAR A MINIMUM OF 4'-0" BELOW GRADE. THE EXPOSED SUBGRADE SHALL BE EVALUATED BY THE GEOTECHNICAL ENGINEER OF RECORD TO CONFIRM THAT ALL UNSUITABLE OR UNSTABLE MATERIALS HAVE BEEN REMOVED.

C. BUILDING SPREAD FOOTINGS SHALL BEAR ON UNDISTURBED SOILS ON PROPERLY PLACED & COMPACTED STRUCTURAL FILL WITH AN ASSUMED ALLOWABLE BEARING PRESSURE OF 1,500 PSF

2.2 DESIGN DATA

A. CONTRACTOR SHALL VERIFY ALL EXISTING FIELD CONDITIONS THAT MAY AFFECT THE INSTALLATION OF THE FOUNDATION SYSTEM AS SHOWN PRIOR TO STARTING WORK.

B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION & PROTECTING ALL EXISTING UTILITIES, EXISTING STRUCTURES, ETC., WHETHER INDICATED OR NOT, WHICH MAY BE AFFECTED BY THE CONSTRUCTION PROCESS

C. BEARING ELEVATIONS INDICATED ON THE DRAWINGS ARE ESTIMATED FROM EXPECTED SITE CONDITIONS. AN EXPERIENCED, QUALIFIED GEOTECHNICAL ENGINEER SHALL MAKE DETERMINATION OF FINAL BEARING ELEVATIONS & VERIFICATION OF ALLOWABLE BEARING PRESSURE.

D. CONCRETE FOR FOUNDATIONS SHALL BE POURED ON THE SAME DAY SUBGRADE APPROVAL IS GIVEN BY THE GEOTECHNICAL ENGINEER.

E. FOLLOWING REQUIRED STRIPPING OPERATIONS, ANY PROOFROLLING SHALL BE AS DIRECTED BY AN EXPERIENCED, QUALIFIED GEOTECHNICAL ENGINEER. THE PURPOSE OF THE PROOFROLLING WILL BE TO LOCATE ANY ISOLATED AREAS OF SOFT OR LOOSE SOILS REQUIRING IMPROVEMENT OR REPLACEMENT. SOFT AREAS SHALL BE UNDERCUT & REPLACED BY PROPERLY COMPACTED MATERIALS.

F. ALL SHORING, SHEETING, & DEWATERING SHALL BE THE TOTAL RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR'S ENGINEER REGISTERED IN THE PROJECTS JURISDICTION SHALL DESIGN SHEETING & SHORING. ALL SUBMITTALS SHALL BEAR THE ENGINEER'S SEAL & SIGNATURE.

2.3 THE CONTRACTOR SHALL PROVIDE & OPERATE DEWATERING EQUIPMENT & BE RESPONSIBLE FOR MAINTAINING EXCAVATIONS & WORK AREAS IN A DRY CONDITION SATISFACTORY TO THE SER. WATER SHALL BE DISCHARGED TO A LOCATION SUITABLE TO THE SER & IN ACCORDANCE WITH APPLICABLE LOCAL STATE & FEDERAL LAWS & REGULATIONS.

2.4 ARRANGE FOR OWNER'S INDEPENDENT TESTING AGENCY TO MONITOR CUT & FILL OPERATIONS & PERFORM FIELD DENSITY & MOISTURE CONTENT TEST TO VERIFY COMPACTION & APPROVE FOOTING SUBGRADES PRIOR TO PLACING CONCRETE.

2.5 BACKFILL

A. ALL BACKFILL & TRENCHING OPERATIONS SHALL COMPLY WITH ALL CURRENT & APPLICABLE LOCAL, STATE, & FEDERAL SAFETY CODES, INCLUDING THE OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION.

B. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ADEQUATE SHORING OF THE NEW & EXISTING CONSTRUCTION DURING CONSTRUCTION OPERATIONS IN ORDER TO PREVENT ANY DAMAGE DUE TO BACKFILLING & TRENCHING.

C. ALL BACKFILL SHALL BE ACCOMPLISHED USING MATERIAL APPROVED BY THE GEOTECHNICAL ENGINEER, WITH OPTIMUM MOISTURE CONTENT FOR COMPACTING & SHALL BE FREE OF DEBRIS.

D. WHERE THE FINAL GRADE ELEVATIONS ARE APPROXIMATELY EQUAL ON BOTH SIDES OF A WALL, BACKFILL IN LIFTS TO MAINTAIN LEVEL ELEVATIONS WITHIN 10" ON BOTH SIDES AT ANY TIME.

2.6 STRUCTURAL FILL

A. COMPACTED STRUCTURAL FILL SHALL MEET N.Y.S. D.O.T. TYPE 4 REQUIREMENTS. INSPECTION OF THE PLACEMENT OF COMPACTED STRUCTURAL FILL SHALL BE BY AN EXPERIENCED, QUALIFIED GEOTECHNICAL ENGINEER.

1. COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF TRANSPORTATION (PENNDOT) PUBLICATION 408 SPECIFICATIONS (PUB 408), LATEST EFFECTIVE VERSION.

B. INSPECTION OF THE PLACEMENT OF COMPACTED STRUCTURAL FILL SHALL BE BY AN EXPERIENCED, QUALIFIED GEOTECHNICAL ENGINEER.

1. GENERAL AGGREGATE....PENNDOT NO. 2A

2. CONTROLLED LOW STRENGTH MATERIAL... TYPE C (PUB 408) SECTION 220)

C. EXECUTION

1. AFTER ACHIEVING FINISHED SUBGRADE IN CUT AREAS & PRIOR TO PLACING STRUCTURAL FILL IN AREAS BELOW FINISHED SUBGRADE, THE EXPOSED SUBGRADE SHALL BE EVALUATED BY THE GEOTECHNICAL ENGINEER OF RECORD TO CONFIRM THAT ALL UNSUITABLE OR UNSTABLE MATERIALS HAVE BEEN REMOVED.

2. ALL STRUCTURAL FILL SHALL BE PLACED IN HORIZONTAL LIFTS NOT EXCEEDING EIGHT (8) INCHES IN LOOSE THICKNESS & WITHIN TWO (2) PERCENT OF OPTIMUM MOISTURE FOR COMPACTION. THE STRUCTURAL FILL SHALL BE COMPACTED TO 95 PERCENT OF MAXIMUM DRY DENSITY AS DETERMINED BY MODIFIED PROCTOR (ASTM D1557).

3. MAINTAIN SUBGRADE & STRUCTURAL FILL MOISTURE CONTENT UNTIL FOUNDATIONS ARE PLACED.

4. PROVIDE CLASS "B" REINFORCEMENT SPLICES FOR CONTINUOUS REINFORCEMENT. REINFORCEMENT SPLICES SHALL BE IN ACCORDANCE WITH THE FOLLOWING TABLE UNLESS NOTED OTHERWISE.

2.7 GRANULAR BASE MATERIAL

A. A MINIMUM OF SIX (6) INCHES OF GRANULAR SUBBASE SHALL BE PLACED UNDER ALL CONCRETE SLABS-ON-GRADE.

2.8 FOUNDATIONS

A. ALL BEARING AREAS FOR FOUNDATIONS SHALL HAVE BEEN INSPECTED AND APPROVED BY THE GEOTECHNICAL ENGINEER OF RECORD PRIOR TO ANY PLACEMENT OF CONCRETE. IF BEARING AREAS ARE NOT SUITABLE, AS DETERMINED BY THE GEOTECHNICAL ENGINEER, THE CONTRACTOR MAY BE REQUESTED TO CARRY THE EXCAVATION DEEPER TO MORE SUITABLE BEARING MATERIAL. SUCH ADDITIONAL EXCAVATION WILL BE PAID FOR BY A LUMP SUM OR UNIT PRICE BASIS.

B. DO NOT PLACE FOOTINGS OR SLABS AGAINST SUBGRADE CONTAINING FREE WATER, FROST OR ICE.

C. PROTECT PIPES AND CONDUITS RUNNING THROUGH WALLS AND SLABS WITH 1/2 INCH EXPANSION MATERIAL. LOWER CONTINUOUS FOOTINGS AND GRADE BEAMS PERPENDICULAR TO PIPE RUNS TO ALLOW PIPES TO PASS ABOVE THE FOOTINGS. ALTERNATIVELY, PROVIDE A CONCRETE JACKET IF PIPES AND CONDUITS ARE LOW ENOUGH TO BE PLACED BELOW THE FOOTINGS. LOWER FOOTINGS PARALLEL TO PIPE RUNS TO AVOID SURCHARGE ONTO ADJACENT TRENCH EXCAVATIONS.

D. COORDINATE WITH ELECTRICAL CONTRACTOR AND ELECTRICAL ONE-LINE DIAGRAM FOR PROPER BONDING OF THE FOOTING REINFORCEMENT TO THE GROUNDING SYSTEM.

3. CONCRETE

3.1 FORMWORK

A. STANDARDS

1. AMERICAN CONCRETE INSTITUTE (ACI) - GUIDE TO FORMWORK FOR CONCRETE, ACI 347-04

2. ACI - FORMWORK FOR CONCRETE SP-4, FIFTH EDITION.

B. FORMWORK MAY BE OMITTED FOR FOUNDATIONS PROVIDED EARTH IS FIRM AND STABLE AND CONCRETE SURFACES WILL NOT BE EXPOSED TO PUBLIC VIEW. EXCAVATIONS SHALL BE CUT NEAT AND ACCURATE TO SIZE. LOOSE AND UNSTABLE MATERIALS SHALL BE COMPACTED OR REMOVED. PROVIDE TWO (2) INCHES ADDITIONAL CONCRETE COVER AT SIDES FOR EARTH FORMS WHEN USED IN LIEU OF TEMPORARY FORMWORK.

C. INSULATED CONCRETE FORMWORK (ICF) SHALL BE MANUFACTURED BY THE NUDURA CORPORATION OR APPROVED EQUAL. INSTALL ICF PER THE MANUFACTURER'S REQUIREMENTS AND SPECIFICATIONS.

3.2 REINFORCING

A. STANDARDS

1. ACI 301-16 - SPECIFICATIONS FOR STRUCTURAL CONCRETE.

2. CONCRETE REINFORCING STEEL INSTITUTE (CRSI) - MANUAL OF STANDARD PRACTICE, EIGHTH EDITION.

3. WIRE REINFORCEMENT INSTITUTE, INC. (WRI) - DESIGN OF SLAB-ON-GROUND FOUNDATIONS, WRI/CRSI-81 WITH 1996 UPDATE.

4. ACI DETAILING MANUAL - SP-66 (04)

B. MATERIALS

1. DEFORMED AND PLAIN BARS.....ASTM A615 GRADE 60

2. WELDED WIRE REINFORCEMENT (WWR).....ASTM A185. PLAIN, 65,000 PSI YIELD STRESS IN FLAT SHEETS.

C. EXECUTION

1. UNLESS NOTED OTHERWISE MAINTAIN THE FOLLOWING CONCRETE COVER FOR REINFORCEMENT.

a. CONCRETE CAST AGAINST EARTH.....3 INCHES

b. CONCRETE EXPOSED TO THE WEATHER:

- #5 AND SMALLER BARS.....1 1/2 INCHES
- #6 AND LARGER BARS.....2 INCHES

c. CONDITIONS OTHER THAN ABOVE:

- #11 AND SMALLER BARS.....3/4 INCHES
- #14 AND #18 BARS.....2 INCHES

2. ALL REINFORCEMENT SHALL BE SUPPORTED AND HELD IN PLACE BY MANUFACTURED STEEL WIRE BAR SUPPORTS IN ACCORDANCE WITH CRSI. USE OF ANY OTHER MATERIALS WITHOUT WRITTEN AUTHORIZATION BY THE SER IS PROHIBITED.

3. PROVIDE STANDARD 90° HOOKS IN ACCORDANCE WITH ACI 318 UNLESS NOTED OTHERWISE.

4. PROVIDE CLASS "B" REINFORCEMENT SPLICES FOR CONTINUOUS REINFORCEMENT. REINFORCEMENT SPLICES SHALL BE IN ACCORDANCE WITH THE FOLLOWING TABLE UNLESS NOTED OTHERWISE.

TENSION SPLICES (IN)

BAR SIZE	TOP BARS	OTHER BARS	COMPRESSION SPLICES (IN)
#3	21	16	12
#4	28	21	15
#5	35	27	19
#6	46	35	23
#7	62	48	26
#8	82	63	30
#9	90	104	34
#10	131	101	38
#11	162	125	42

COMPRESSION DOWEL EMBEDMENT SHALL BE 22 BAR DIAMETERS. SPLICES FOR WELDED WIRE FABRIC SHALL BE TWO (2) INCHES IN ADDITION TO ONE SPACING OF CROSS WIRES.

5. PROVIDE CONTINUOUS HORIZONTAL WALL REINFORCEMENT WITH 90° BENDS & EXTENSIONS AT CORNERS & INTERSECTIONS AS SHOWN ON TYPICAL REINFORCEMENT DETAILS.

6. ALL RE-ENTRANT CORNERS FOR SLAB-ON-GRADE CONSTRUCTION SHALL BE REINFORCED WITH ONE (1) #4 BY 2'-0" LONG (MIN) AT 45° FROM THE SLAB EDGES & AT SLAB MID-DEPTH.

7. WHERE REQUIRED & UNLESS NOTED OTHERWISE, PROVIDE DOWELS TO MATCH SIZE & SPACING OF MAIN REINFORCEMENT.

8. DO NOT WELD OR BEND REINFORCEMENT IN THE FIELD UNLESS SPECIFICALLY SHOWN OR APPROVED BY STRUCTURAL ENGINEER.

9. PRIOR TO FABRICATION, CONTRACTOR SHALL SUBMIT STEEL REINFORCEMENT SHOP DRAWINGS FOR SER'S REVIEW & APPROVAL. SHOP DRAWINGS SHALL BE CREATED IN ACCORDANCE WITH SP-66 (04).

3.3 CAST - IN - PLACE CONCRETE

A. STANDARDS

1. ACI 301-16 - SPECIFICATIONS FOR STRUCTURAL CONCRETE.

2. BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE. ACI 318-05 & COMMENTARY, ACI 318R-08.

3. RECOMMENDED PRACTICE FOR CONCRETE FLOOR & SLAB CONSTRUCTION, ACI 302.2-06.

B. MATERIALS

1. PRIOR TO THE PLACEMENT OF ANY CONCRETE, CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGN(S) PERFORMED BY A QUALIFIED TESTING LABORATORY FOR SER'S REVIEW & APPROVAL. NO CALCIUM CHLORIDE OR ADMIXTURES CONTAINING CHLORIDES SHALL BE USED IN ANY CONCRETE. MIX MATERIALS SHALL COMPLY WITH THE FOLLOWING:

a. PORTLAND CEMENT.....ASTM C150

b. FLY ASH.....ASTM C618 CLASS C OR F

c. SILICA FUME.....ASTM C1240

d. NORMAL WEIGHT AGGREGATE ASTM C33 CLASS 3S

e. WATER.....ASTM C94 POTABLE

f. AIR-ENTRAINING.....ASTM C260

g. WATER-REDUCING.....ASTM C494 TYPE A

h. RETARDING.....ASTM C494 TYPE B

i. WATER-REDUCING/RETARDING..ASTM C494 TYPE D

j. PLASTICIZING/RETARDING.....ASTM C1017 TYPE II

2. CONCRETE MIXTURES SHALL BE THE NORMAL WEIGHT TYPE (145 PCF) & THE FOLLOWING FOR INDIVIDUAL BUILDING ELEMENTS:

a. ALL BUILDING ELEMENTS, UNLESS NOTED OTHERWISE:

1. PORTLAND CEMENT...TYPE 1 (GRAY)

2. COMPRESSIVE STRENGTH @ 28 DAYS.....

- WALLS.....4000psi
- FOOTINGS.....3000psi
- SLABS.....3500psi

3. WATER/CEMENT RATIO...0.59 (MAX)

4. COARSE AGGREGATE SIZE...1 1/2 INCHES (MAX)

5. FINE AGGREGATE... FREE OF ANY MATERIALS THAT NEGATIVELY REACT TO THE ALKALI CONTENT IN CEMENT

6. SLUMP LIMIT..4 INCHES (+/- 1 INCH)

7. AIR CONTENT

- EXPOSED TO WEATHER.....4% TO 6%
- NOT EXPOSED TO WEATHER.....6% (+/- 1 1/2%)
- TROWELED FINISHED SLABS.....3% MAX

3. CONCRETE SURFACES SHALL BE CURED A MINIMUM OF SEVEN (7) DAYS PER THE USE OF THE FOLLOWING:

a. ABSORPTIVE COVER.....AASHTO M182 CLASS 2

b. MOISTURE-RETAINING COVER.....ASTM C171

c. MEMBRANE-FORMING CURING COMPOUND....ASTM C309 TYPE 1 CLASS B

d. MEMBRANE-FORMING CURING/SEALING COMPOUND.....ASTM C1315 TYPE 1 CLASS A

4. ACCESSORIES:

a. BONDING AGENT/DOWEL & ANCHOR GROUT: SIKADUR 32 HI-MOD AS MANUFACTURED BY SIKA CORP. OF LYNDHURST, NJ OR APPROVED EQUAL.

b. CONTRACTION OR CONSTRUCTION JOINT SEALANT: SIKADUR 51 SL AS MANUFACTURED BY SIKA CORP. OF LYNDHURST, NJ OR APPROVED EQUAL.

c. ISOLATION JOINT SEALANT: SIKAFLEX - 1a AS MANUFACTURED BY SIKA CORP. OF LYNDHURST, NJ OR APPROVED EQUAL.

d. VAPOR RETARDER: ASTM E1745 CLASS A

e. PREMOLDED EXPANSION JOINT FILLER (PMF): HOMEX 300 AS MANUFACTURED BY HOMASOTE COMPANY, WEST TRENTON, NJ OR APPROVED EQUAL.

f. UNDERSLAB INSULATION: EXTRUDED-POLYSTYRENE PER ASTM C578 TYPE IV, 25 PSI COMPRESSIVE STRENGTH, WITH MAXIMUM FLAME-SPREAD & SMOKE-DEVELOPED INDICES OF 75 & 450, RESPECTIVELY, PER ASTM E 84.

g. WATERSTOP: VOLCLAY WATERSTOP-RX AS MANUFACTURED BY CETCO, ARLINGTON HEIGHTS, IL OR APPROVED EQUAL.

h. ANCHORING SYSTEM:ADHESIVE REINFORCING HILTI HY-150 SYSTEM OR APPROVED EQUAL EXPANSION BOLTS HILTI KWIK BOLT II OR APPROVED EQUAL

C. EXECUTION

1. COORDINATE PLACEMENT OF CAST-IN-PLACE EMBEDMENTS & ANCHOR RODS WITH A TEMPLATE. SECURELY ATTACH EMBEDMENT ITEMS TO FORMWORK OR REINFORCING.

2. PLACE CONCRETE IN ONE LAYER OR IN HORIZONTAL LAYERS OF SUCH THICKNESS SO THAT NO NEW CONCRETE WILL BE PLACED ON CONCRETE THAT HAS HARDENED ENOUGH TO CAUSE SEAMS OF PLANES OF WEAKNESS (COLD JOINTS).

3. PROVIDE CONSTRUCTION, CONTRACTION & ISOLATION JOINTS AS INDICATED ON DRAWINGS. HORIZONTAL CONSTRUCTION JOINTS ARE NOT ALLOWED UNLESS SPECIFICALLY NOTED OR APPROVED BY THE SER. PROPOSED JOINT LOCATIONS THAT ARE DIFFERENT OR IN ADDITION TO THE JOINT LOCATIONS INDICATED ON THE DRAWINGS MUST BE REVIEWED & APPROVED BY THE SER.

a. CONSTRUCTION JOINTS & CONTROL JOINTS IN SLABS ON GRADE SHALL BE ARRANGED TO LIMIT MAXIMUM LENGTH BETWEEN JOINTS TO 15'-0" IN ANY DIRECTION. ALLOW A MINIMUM OF 48 HOURS TIME BETWEEN PLACEMENT OF ADJACENT SECTIONS.

4. UNLESS NOTED OTHERWISE, CHAMFER ALL EXPOSED EDGES OF CONCRETE 3/4 INCH.

5. ALL INTERIOR SLABS-ON-GRADE SHALL BE PLACED OVER A 10 MIL (MIN) VAPOR RETARDER. ALL EDGES OF THE VAPOR RETARDER SHALL BE LAPPED A MINIMUM OF 6 INCHES & TAPED TO PREVENT ANY & ALL PASSAGE OF MOISTURE.

6. BEGIN CURING PROCEDURES IMMEDIATELY AFTER COMPLETING PLACEMENT. CONCRETE SHALL BE PROTECTED FROM PREMATURE DRYING, EXCESSIVELY HOT OR COLD TEMPERATURES & MECHANICAL INJURY. METHODS OF CURING SHALL BE AS FOLLOWS:

a. MATS, PADS & SLABS SHALL BE COVERED WITH WATERPROOF SHEETING FOR AT LEAST SEVEN (7) ACCEPTABLE DAYS. A DAY ON WHICH THE "CURING" TEMPERATURE DROPS BELOW 50° IS NOT CONSIDERED TO BE AN ACCEPTABLE DAY. THE "CURING TEMPERATURE" IS CONSIDERED TO BE THE TEMPERATURE OF AIR IMMEDIATELY ADJACENT TO THE CONCRETE.

b. PROVIDE A CONTINUOUS, UNIFORM MEMBRANE BY SPRAY APPLYING TWO (2) COATS OF A CURING COMPOUND TO ALL FORMED SURFACES. APPLY FIRST COAT IMMEDIATELY AFTER STRIPPING FORMS & AFTER ACCEPTANCE OF THE CONCRETE FINISH. APPLY THE SECOND AFTER THE FIRST APPLICATION HAS SET (+/-3 DAYS).

7. ALUMINUM MATERIALS ARE NOT PERMITTED TO BE EMBEDDED IN CONCRETE.

8. DEPOSIT CONCRETE IN HORIZONTAL LAYERS OF DEPTH NOT TO EXCEED FORMWORK DESIGN PRESSURES & IN A MANNER TO AVOID INCLINED CONSTRUCTION.

9. CONSOLIDATE PLACED CONCRETE WITH MECHANICAL VIBRATING EQUIPMENT ACCORDING TO ACI 301.

10. DO NOT USE VIBRATORS TO TRANSPORT CONCRETE INSIDE FORMS. INSERT AND WITHDRAW VIBRATORS VERTICALLY AT UNIFORMLY SPACED LOCATIONS TO RAPIDLY PENETRATE PLACED LAYER AND AT LEAST 6 INCHES INTO PRECEDING LAYER. DO NOT INSERT VIBRATORS INTO LOWER LAYERS OF CONCRETE THAT HAVE BEGUN TO LOSE PLASTICITY. AT EACH INSERTION, LIMIT DURATION OF VIBRATION TO TIME NECESSARY TO CONSOLIDATE CONCRETE AND COMPLETE EMBEDMENT OF REINFORCEMENT AND OTHER EMBEDDED ITEMS WITHOUT CAUSING MIXTURE TO SEGREGATE.

4. MASONRY

4.1 STANDARDS

A. BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES, ACI 530-08.

B. STANDARDS SPECIFICATION FOR MASONRY JOINT REINFORCEMENT, ASTM A951-02.

4.2 MATERIALS

A. LOAD-BEARING CONCRETE MASONRY UNITS (CMU).....ASTM C90 TYPE 1 GRADE N, NET AREA COMPRESSIVE STRENGTH.....2,000 PSI

B. NON-LOAD-BEARING CMU.....ASTM C129

C. MORTAR

1. NET AREA COMPRESSIVE STRENGTH = 2,000 PSI.

2. CMU CONSTRUCTION BELOW FINISHED GRADE.....ASTM C270 TYPE S

3. CMU CONSTRUCTION ABOVE FINISHED GRADE.....ASTM C270 TYPE S

D. GROUT.....ASTM C476 28 DAY MINIMUM COMPRESSIVE STRENGTH = 2,500 PSI

E. REINFORCEMENT:

1. DEFORMED & PLAIN BARS.....ASTM A615 GRADE 60

2. CARBON STEEL WIRE.....ASTM A82

3. MASONRY STEEL ANCHORS, GALVANIZED PER.....ASTM A153

F. ASSEMBLY.....f'm = 1,500 PSI

4.3 EXECUTION

B. ALL LOAD BEARING CMU WALLS REQUIRE INSPECTION. INSPECTION CONTROL SHALL BE ESTABLISHED TO ASSURE THAT THE MASONRY MATERIALS & CONSTRUCTION PRACTICES COMPLY WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

C. ALL CMU WALLS ARE TO BE LAID IN RUNNING BOND. ALIGN ALL CELLS VERTICALLY TO MAINTAIN A CLEAR, UNOBSTRUCTED SYSTEM OF FLUES.

D. WHEN PLACING CMU, FULLY MORTAR FACE SHELLS OF BED & HEAD JOINTS, EXCEPT AT FIRST COURSE ON TOP OF FOUNDATION WALL OR FOOTING, WHICH SHALL BE FULLY BEDDED IN MORTAR AT LEAST 1/4 INCH THICK BUT NOT MORE THAN 3/4 INCH THICK. TOOL ALL JOINTS, INSIDE & OUTSIDE. TO A CONCAVE, DENSE SMOOTH SURFACE.

E. ALL CMU WALLS SHALL HAVE GALVANIZED, STANDARDS WEIGHT (MINIMUM) TRUSS TYPE REINFORCEMENT SPACED VERTICALLY AT 16" OC MAXIMUM. PROVIDE CORNER & "TEE" SECTIONS OF REINFORCEMENT AT ALL WALL INTERSECTIONS. LAP ALL JOINT REINFORCEMENT 8 INCHES MINIMUM.

F. ALL CMU WALLS SHALL BE REINFORCED AS SHOWN ON THE DRAWINGS FOR THE FULL HEIGHT OF THE WALL. ALL LAP SPLICES SHALL HAVE A MINIMUM LAP EQUAL TO 40 TIMES THE BAR DIAMETER. AVOID LAP SPLICES AT POINTS OF MAXIMUM STRESS. GROUT ALL VERTICALLY REINFORCED CELLS SOLID BY PLACING GROUT IN LIFTS NOT EXCEEDING FIVE (5) FEET HIGH. REINFORCING SHALL BE LOCATED IN CENTER OF CELLS UNLESS NOTED OTHERWISE ON DRAWINGS. POSITION & HOLD REINFORCING IN PLACE BY THE USE OF PREFABRICATED STEEL WIRE BAR POSITIONERS. CONSOLIDATE GROUT WHEN PLACING BY USING A MECHANICAL VIBRATOR. RECONSOLIDATE BY MECHANICAL VIBRATION AFTER INITIAL WATER LOSS & SETTLEMENT HAS OCCURRED.

G. LINTELS BEARING ON CMU SHALL HAVE A MINIMUM BEARING LENGTH OF (8) INCHES, UNLESS OTHERWISE NOTED. A MINIMUM OF TWO (2) MASONRY COURSES, 24 INCHES WIDE SHALL BE FULLY GROUTED FOR LINTEL BEARING.

H. ALL BOND BEAMS INDICATED ON DRAWINGS SHALL BE GROUTED SOLID.

I. FOR MASONRY OPENINGS EQUAL TO 6 GREATER THAN TWO (2) FEET IN EITHER DIRECTION, PROVIDE TWO (2) #5 BARS, FULLY GROUTED ON ALL SIDES OF THE OPENING. BARS SHALL EXTEND A MINIMUM OF TWO (2) FEET BEYOND EDGE OF OPENING. MECHANICAL OPENINGS THROUGH CMU WALLS FOR EQUIPMENT, PIPES, ETC., ARE TO BE PROVIDED WITH STEEL PIPE SLEEVES OR LINTELS, WHICH ARE PRE-INSTALLED IN THE CMU WALLS.

J. PROVIDE ADJUSTABLE MASONRY-VENEER ANCHORS THAT ALLOW VERTICAL ADJUSTMENT BUT RESIST TENSION & COMPRESSION FORCES PERPENDICULAR TO THE PLANE OF THE WALL, FOR ATTACHMENT OVER SHEATHING TO WOOD OR METAL STUDS.

K. FOR CMU WALL ANCHORS TO STRUCTURAL STEEL MEMBERS, PROVIDE A HOMANN & BARNARD 351, 352 WIRE ANCHORS AT A MAXIMUM OF 32 INCHES O.C.

L. ALL EXPOSED MASONRY SHALL BE THOROUGHLY CLEANED & LEFT FREE OF MORTAR SPOTS & DROPPINGS. MASONRY WORK SHALL BE PROTECTED FROM DAMAGE DURING SUBSEQUENT CONSTRUCTION OPERATIONS. ALL COSTS NECESSARY TO REPAIR DAMAGED WALLS SHALL BE BORNE BY THE CONTRACTOR & SHALL BE DONE TO THE SATISFACTION OF THE SER.

5. METALS

SECTION NOT USED

6. WOOD

6.1 CODES

A. "DESIGN SPECIFICATIONS," TIMBER CONSTRUCTION MANUAL, AMERICAN INSTITUTE OF TIMBER CONSTRUCTION

B. "NATIONAL DESIGN SPECIFICATIONS OF WOOD CONSTRUCTION", AMERICAN FOREST & PAPER ASSOCIATION, AMERICAN WOOD COUNCIL.

C. "PERFORMANCE STANDARDS & POLICIES FOR STRUCTURAL USE PANELS," PRP-108, AMERICAN PLYWOOD ASSOCIATION (APA).

6.2 MATERIALS

A. SAWN LUMBER ALL SAWN LUMBER SHALL HAVE 19% MAXIMUM MOISTURE CONTENT & SHALL BE SURFACE DRY SOUTHERN PINE WITH THE FOLLOWING MIN. DESIGN VALUES:

CEILING JOISTS / RAFTER / BEAMS: NUMB

FOUNDATION PLAN KEYNOTES

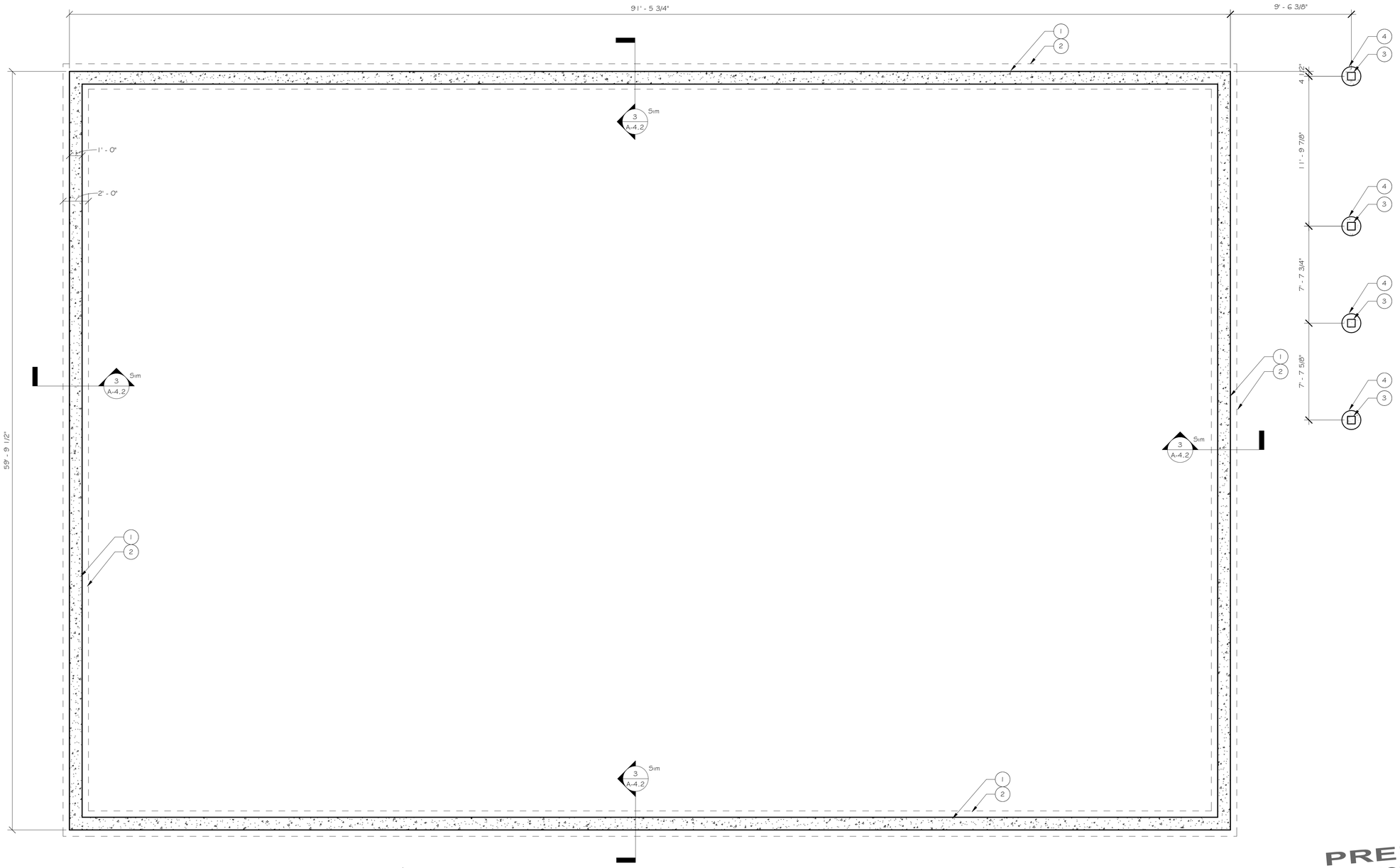
1. 8" CONC. ICF FOUNDATION WALL WITH #4 BAR VERTICAL @48" O.C. AND # 4 BAR HORIZONTAL @24" O.C.
2. CONCRETE FOOTING 12" DEEP BY 24" WIDE WITH (3) #4 BAR CONTINUOUS
3. 8 X 8 P.T. POST
4. 18" SONOTUBE 4'-0" DEEP MIN.

GENERAL FOUNDATION NOTES

1. ALL DIMENSIONS ARE TO FACE OF ICF FOUNDATION WALL.
2. BOTTOM OF FOOTING SHALL BE A MINIMUM OF 4'-0" BELOW FINISHED GRADE ELEVATION.
3. FOUNDATIONS SHALL NOT BE CONSTRUCTED OVER EXISTING FILL MATERIALS UNLESS SPECIFICALLY APPROVED BY A GEOTECHNICAL ENGINEER.
4. ALL FOOTINGS SHALL BEAR ON PROPERLY PLACED STRUCTURAL FILL OR ON FIRM NATURALLY OCCURRING SOIL WITH A MINIMUM BEARING CAPACITY OF 1,500 PSI.
5. FINISHED FIRST FLOOR ELEVATION SHALL BE 100'-0".
6. TYPICAL 8" CONCRETE ICF WALL REINFORCEMENT SHALL BE #4 BARS AT 24" O.C. VERTICAL AND #4 BARS AT 18" O.C. HORIZONTAL. PROVIDE STIRRUPS OF #3 REINFORCEMENT BARS AS INDICATED ON DRAWINGS. PROVIDE LINTEL REINFORCEMENT AS SCHEDULED.

SIMPSON STRONG TIE SCHEDULE

MODEL #	USE	MEMBER SIZE(S)	REMARKS
LU28	FACE MOUNT JOIST HANGER	2X8, 2X10	
LU210	FACE MOUNT JOIST HANGER	2X10, 2X12, 2X14	
LB28	TOP MOUNT JOIST HANGER	2X8	
LB210AZ	TOP MOUNT JOIST HANGER	2X10	
LB212AZ	TOP MOUNT JOIST HANGER	2X12	
TB27	JOIST CROSS BRACING	2X8-2X12 AND 9 1/2-12 I-JOISTS	
ABU88Z	POST BASE	8X8	
H2.5A	COLUMN CAP	(3) PLY 1 3/4XALL LVL TO 3 1/2 COLUMN	
ST18	TRUSSY RAFTER BEARING STRAP	TRUSS AND RAFTER	
PL400	RAFTER RIDGE STRAP	RAFTER	
PL100	ADHESIVE WOOD TO WOOD	SUBFLOOR TO JOIST, LEDGER TO WALL	



1 FOUNDATION CONSTRUCTION PLAN - T.O. FOOTING

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PH: (607) 737- 4638 WEB:AJH-DESIGN.COM

OWNER/CLIENT
FRIENDS OF ELMIRA CIVIL WAR PRISON CAMP

PROJECT
ELMIRA CIVIL WAR VISITOR CENTER
637-639 WINSOR AVE
ELMIRA, NY 14901

TITLE OF DRAWING
FOUNDATION PLAN

DRAWING SCALE
AS NOTED
ISSUE DATE:
01.05.26
PROJECT NO.
25-086
DRAWING NO.
S-1.1

STRUCTURAL KEYED NOTES	
1	STOREFRONT WINDOW OPENING
2	8X8 PT WD COLUMNS
3	PROVIDE CONCRETE PAD ON GRADE FOR CONDENSER MOUNTING
4	2X8 WD JOISTS @ 16" OC.
5	2X10 WD RIDGE BEAM
6	2X10 WD VALLEY BEAM
7	(2)2X10 WD BEAM
8	2X10 WD RIDGE BEAM
9	NOMINAL 8X8 WD POSTS
10	MTL ENTRY DOOR OPENING. SEE DOOR SCHEDULE FOR SIZE.

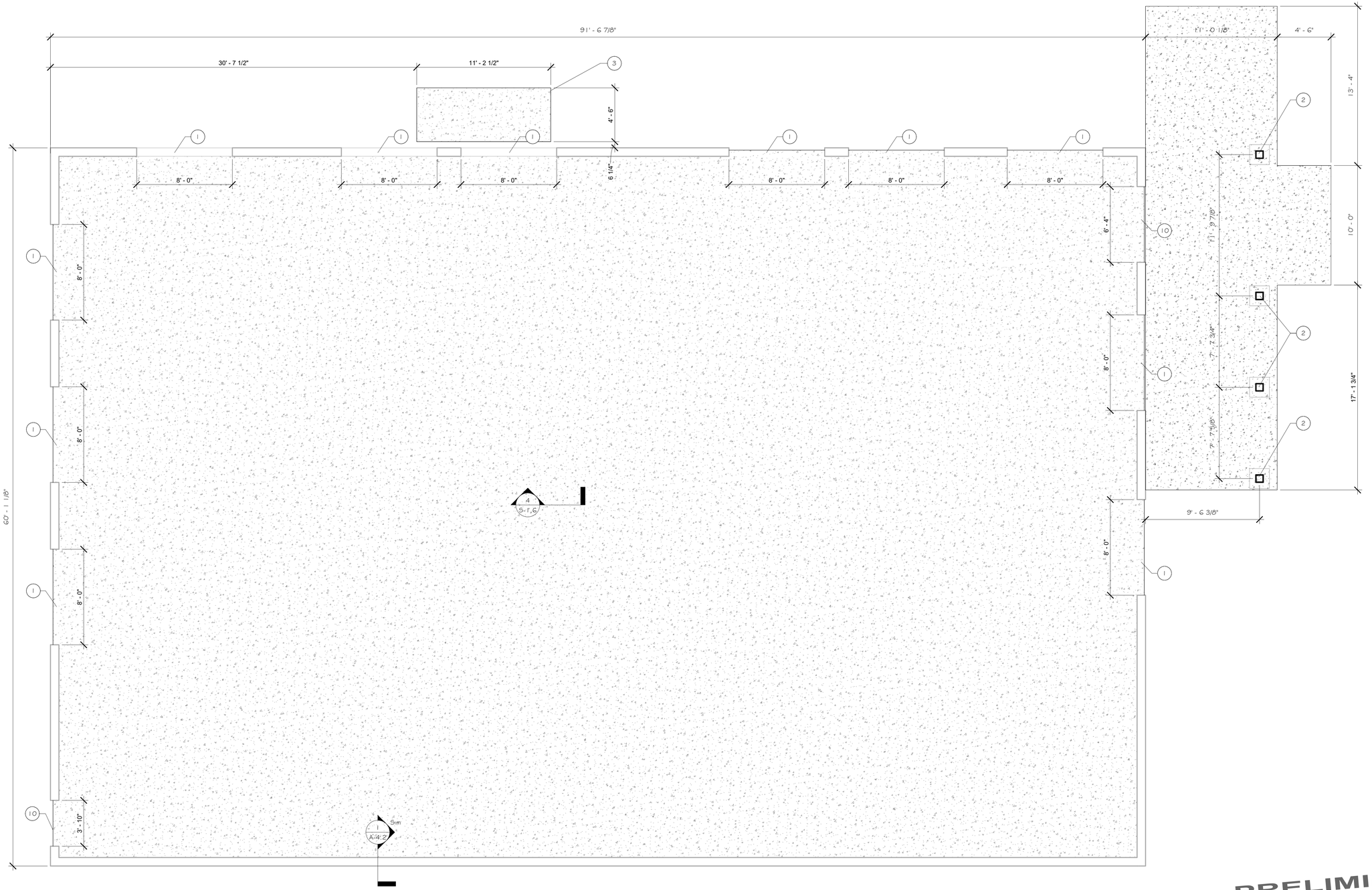
SIMPSON STRONG TIE SCHEDULE

MODEL #	USE	MEMBER SIZE(S)	REMARKS
LU28	FACE MOUNT JOIST HANGER	2X8, 2X10	
LU210	FACE MOUNT JOIST HANGER	2X10, 2X12, 2X14	
LB28	TOP MOUNT JOIST HANGER	2X8	
LB210AZ	TOP MOUNT JOIST HANGER	2X10	
LB212AZ	TOP MOUNT JOIST HANGER	2X12	
TB27	JOIST CROSS BRACING	2X8-2X12 AND 9 1/2-12 I-JOISTS	
ABU88Z	POST BASE	8X8	
H2.5A	COLUMN CAP	(3) PLY 1 3/4XALL LVL TO 3 1/2 COLUMN	
ST18	TRUSS/ RAFTER BEARING STRAP	TRUSS AND RAFTER	
PL400	RAFTER RIDGE STRAP	RAFTER	
PL100	ADHESIVE WOOD TO WOOD	SUBFLOOR TO JOIST, LEDGER TO WALL	

WOOD HEADER SCHEDULE

MAX ROUGH OPENING	WALL TYPES	
	2X8	2X4 (NON-STRUCTURAL)
	(3) 2X6	(2) 2X6
6'-6"	(3) 2X8	(2) 2X8
8'-6"	(3) 2X10	(2) 2X10

NOTES:
1. ALL HEADERS TO RECEIVE KING STUDS EACH END EQUAL TO THE NUMBER OF STUDS REMOVED FOR THE OPENING UNLESS INDICATED OTHERWISE
2. ALL HEADERS TO RECEIVE MIN. (2) JACK STUDS EACH END
3. ALL HEADERS TO BE CENTERED ON THE WALL



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ELMIRA, NY 14901

TITLE OF DRAWING
FIRST FLOOR STRUCTURAL PLAN

DRAWING SCALE
AS NOTED
ISSUE DATE:
01.05.26
PROJECT NO.
25-086
DRAWING NO.
S-1.2

STRUCTURAL KEYED NOTES	
1	STOREFRONT WINDOW OPENING
2	8X8 PT WD COLUMNS
3	PROVIDE CONCRETE PAD ON GRADE FOR CONDENSER MOUNTING
4	2X8 WD JOISTS @ 16" OC.
5	2X10 WD RIDGE BEAM
6	2X10 WD VALLEY BEAM
7	(2)2X10 WD BEAM
8	2X10 WD RIDGE BEAM
9	NOMINAL 8X8 WD POSTS
10	MTL ENTRY DOOR OPENING. SEE DOOR SCHEDULE FOR SIZE.

SIMPSON STRONG TIE SCHEDULE

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H2.5A	COLUMN CAP	(3) PLY 1 3/4XALL LVL TO 3 1/2 COLUMN	
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PL400	RAFTER RIDGE STRAP	RAFTER	
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WOOD HEADER SCHEDULE

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	2X8	2X4 (NON-STRUCTURAL)
	(3) 2X6	(2) 2X6
6'-6"	(3) 2X8	(2) 2X8
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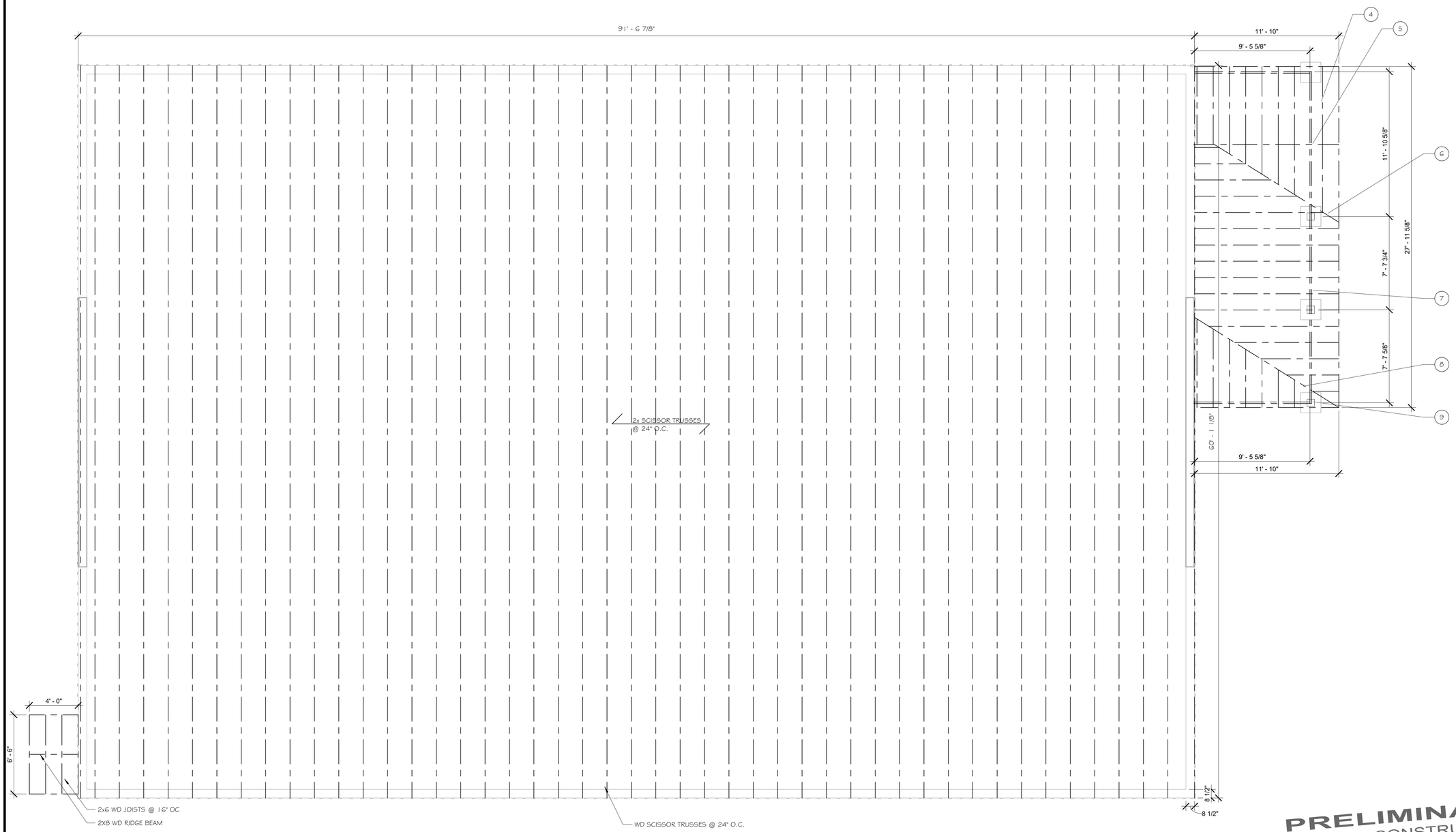
3. ALL HEADERS TO BE CENTERED ON THE WALL



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

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PROJECT
ELMIRA CIVIL WAR VISITOR CENTER
637-639 WINSOR AVE
ELMIRA, NY 14901

TITLE OF DRAWING
ROOF FRAMING PLANS

DRAWING SCALE
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ISSUE DATE:
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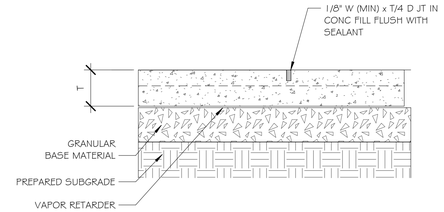
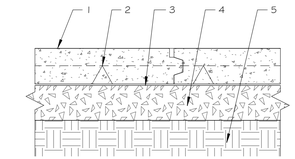
DRAWING NO.
S-1.4

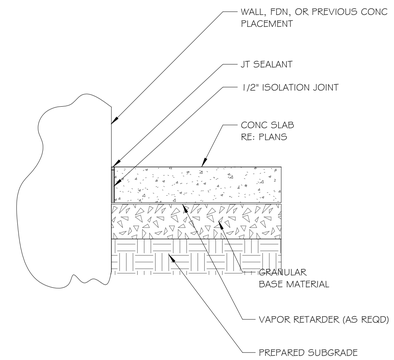


8 TYP. CONTROL JOINT
1" = 1'-0"

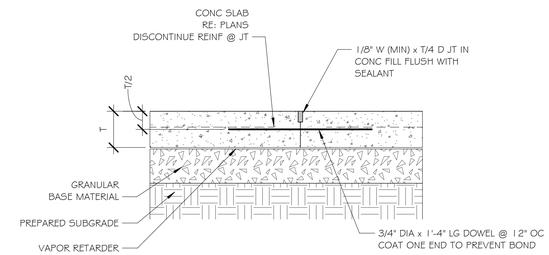


1. CONC SLAB, RE: PLAN FOR THK.
2. REINF, RE: PLAN FOR SIZE AND SPACING.
3. VAPOR RETARDER: 6 MIL THK(NOT REQD AT EXT)
4. 6" GRANULAR BASE MATERIAL.
5. PREPARED SUBGRADE.

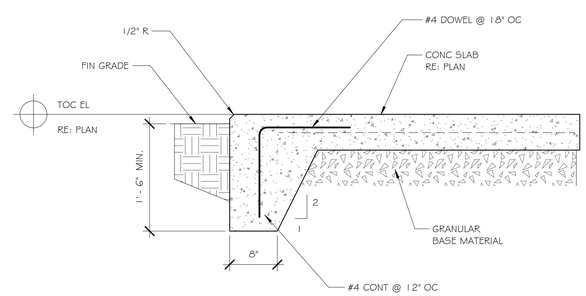
4 TYP. SLAB CONSTRUCTION
1" = 1'-0"



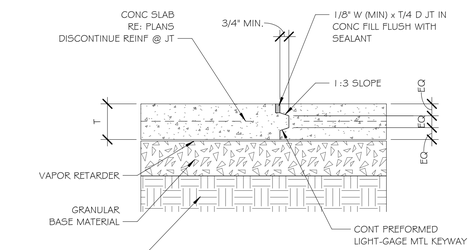
7 TYP. ISOLATION JOINT (IJ)
1" = 1'-0"



3 TYP. DOWELED CONSTRUCTION JOINT (CJ)
1" = 1'-0"

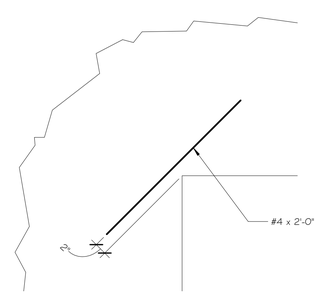


6 TYP. TURN-DOWN SLAB DETAIL
1" = 1'-0"

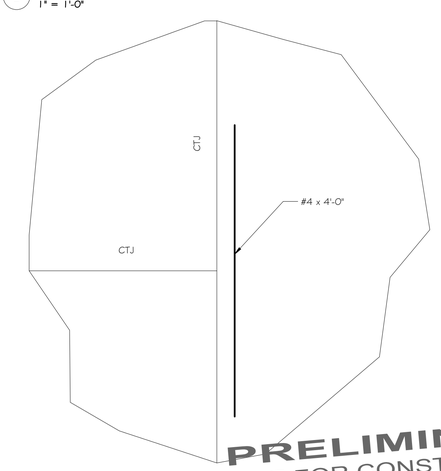


NOTE: LOCATE CJ TO CONFORM WITH
SLAB JOINTING PATTERN.

2 TYP. CONSTRUCTION JOINT (CJ)
1" = 1'-0"



5 TYP. SLAB RE-ENTRANT CORNER DETAIL
1" = 1'-0"



1 CONTRACTION JOINT (CTJ) @ DISCONTINUOUS JOINT
1" = 1'-0"

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OWNER/CLIENT
FRIENDS OF ELMIRA CIVIL WAR PRISON CAMP

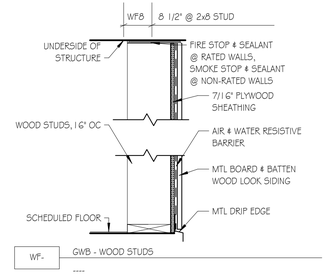
PROJECT
ELMIRA CIVIL WAR VISITOR CENTER
637-639 WINSOR AVE
ELMIRA, NY 14901

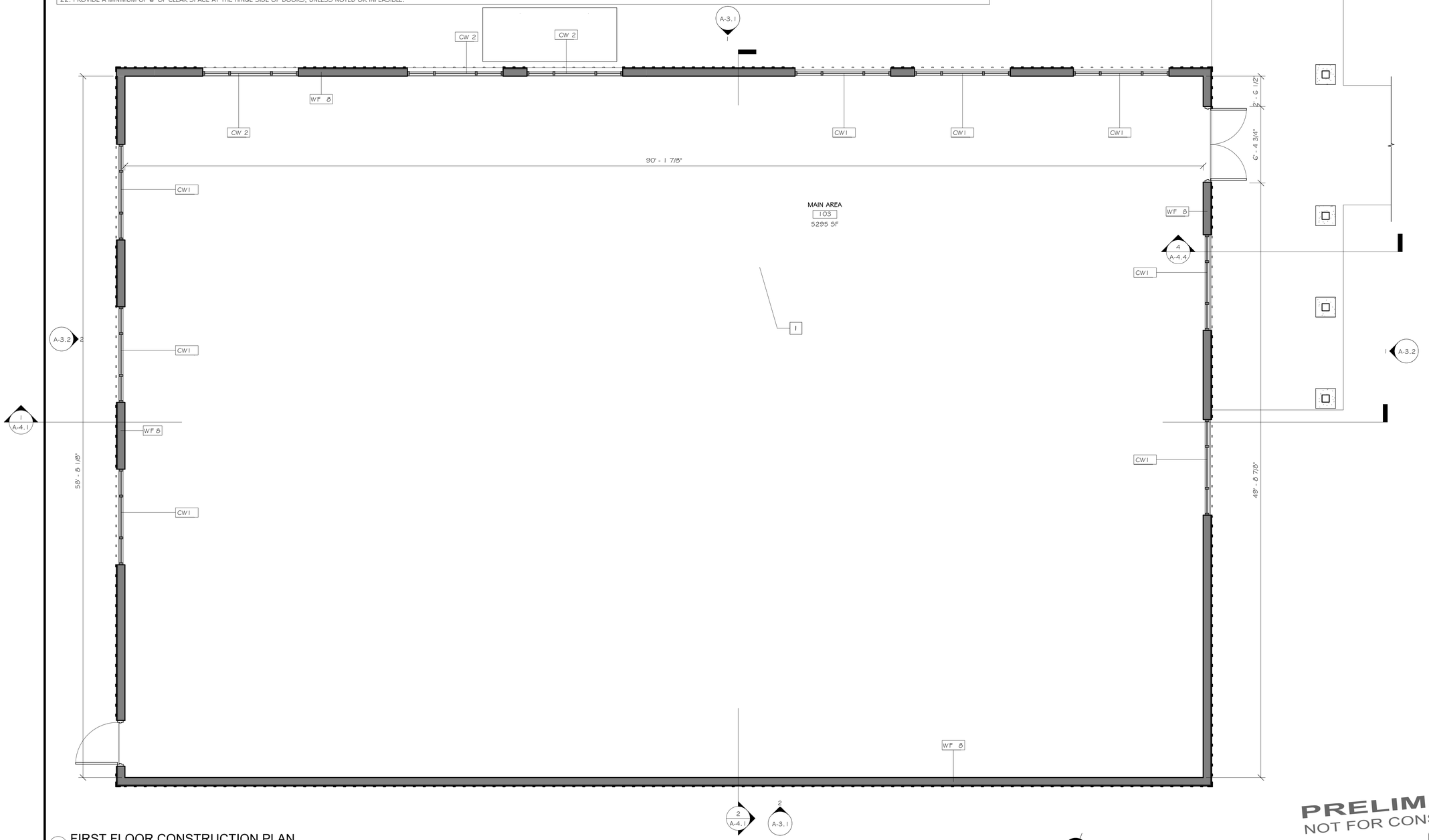
TITLE OF DRAWING
FOUNDATION DETAILS

DRAWING SCALE
AS NOTED
ISSUE DATE:
01.05.26
PROJECT NO.
25-086
DRAWING NO.
S-1.6

GENERAL NOTES

1. ALL WORK INDICATED ON THE ARCHITECTURAL, SITE, & STRUCTURAL DRAWINGS IS TO BE BY THE GENERAL TRADES CONTRACTOR UNLESS NOTED OTHERWISE. THE GENERAL TRADES CONTRACTOR IS RESPONSIBLE FOR ALL WORK REQUIRED TO IMPLEMENT THE WORK OF THE GENERAL TRADES CONTRACT, REGARDLESS OF WHETHER SPECIFICALLY INDICATED OR NOT, UNLESS NOTED OTHERWISE.
2. ALL DIMENSIONS ARE FROM THE FACE OF STUDS, UNLESS NOTED OTHERWISE.
3. ITEMS SHOWN ARE INTENDED TO GIVE APPROXIMATE QUANTITY, LOCATION AND TYPE. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ACTUAL QUANTITY & EXISTING FIELD CONDITIONS.
4. THE OWNER RESERVES THE RIGHT TO RETAIN ANY REMOVED ITEMS AFTER CONTRACTOR REMOVAL. THE CONTRACTOR SHALL REMOVE FROM THE SITE, & DISPOSE OF ANY ITEMS THE OWNER DOES NOT WISH TO RETAIN.
5. THE CONTRACTOR SHALL RESTORE ALL EXCAVATIONS TO EXISTING GRADE ELEVATION UNLESS NOTED OTHERWISE.
6. VERIFY WITH THE OWNER THE EXACT SIZE OF ALL EQUIPMENT FURNISHED BY OWNER FOR PROPER FIT WITH CONTRACTOR SUPPLIED COMPONENTS.
7. PROVIDE AN APPROVED GALVANIC BARRIER BETWEEN ALL DISSIMILAR METALS IN CONTACT WITH ONE ANOTHER.
8. THE WHEELCHAIR SYMBOL INDICATES HANDICAPPED ACCESSIBLE MOUNTED FIXTURE ELEVATION AND SHALL CONFORM WITH CABO/ANSI A117.1 & ADAAG REQUIREMENTS.
9. THE HVAC, PLUMBING, & ELECTRICAL TRADES CONTRACTORS SHALL COORDINATE ROOF & WALL OPENINGS WITH THE GENERAL TRADES CONTRACTOR. THE GENERAL TRADES CONTRACTOR SHALL PROVIDE ALL ROOF & WALL OPENINGS FOR DUCTWORK/HVAC EQUIPMENT UNLESS NOTED OTHERWISE.
10. THIS CONTRACT REQUIRES COMPLETE & WORKABLE SYSTEMS & ALL COMPONENTS NECESSARY FOR SUCH SYSTEMS. ALL MATERIALS & LABOR SHALL BE PROVIDED AS INDICATED & REASONABLY INFERRED BY THE CONTRACT DOCUMENTS.
11. CONTRACTORS SHALL NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES. IN THE EVENT OF OMISSION OF NECESSARY DIMENSIONS OR INFORMATION THE CONTRACTOR SHALL NOTIFY THE ARCHITECT.
12. THE CONTRACTOR SHALL COORDINATE THE WORK OF THIS CONTRACT WITH THE WORK OF OTHER TRADES. VERIFY SIZE & LOCATION OF ALL OPENINGS FOR MECHANICAL & ELECTRICAL EQUIPMENT & RELATED WORK WITH CONTRACTORS INVOLVED PRIOR TO INSTALLATION.
13. THE GENERAL TRADES CONTRACTOR SHALL PROVIDE ALL BLOCKING FOR THE SUPPORT OF ALL ITEMS OR EQUIPMENT SHOWN OR SPECIFIED.
14. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS & EXISTING CONDITIONS IN THE FIELD BEFORE COMMENCING ANY WORK & NOTIFY THE ARCHITECT IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND.
15. THE CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION REQUIRED TO IMPLEMENT THE WORK OF THEIR RESPECTIVE CONTRACT, REGARDLESS OF WHETHER SPECIFICALLY INDICATED OR NOT, UNLESS NOTED OTHERWISE.
16. ALL PENETRATIONS & PERIMETER OF FIRE RATED PARTITIONS ARE TO BE SEALED WITH APPROVED U.L. FIRE RATED ASSEMBLIES.
17. THE GENERAL TRADES CONTRACTOR SHALL BE RESPONSIBLE FOR SEALANT AT THE PERIMETER OF ALL MECHANICAL, PLUMBING, & ELECTRICAL PENETRATIONS. EACH RESPECTIVE TRADE SHALL BE RESPONSIBLE FOR PROPER WATER SEALS AT PENETRATIONS REQUIRING SEALS IN EXCESS OF CAULKING.
18. FINISHED DOOR OPENINGS SHALL BE NOMINAL 6" FROM FINISHED CORNER OF ROOM AT HINGE SIDE, EXCEPT WHERE DIMENSIONED OTHERWISE. DOOR STRIKES SHALL BE 1'-6" MINIMUM FROM A PERPENDICULAR WALL ON THE PULL SIDE OF A DOOR AND 1'-0" ON THE PUSH SIDE OF A DOOR WITH BOTH A CLOSER AND LATCH.
19. ALL EXTERIOR CONCRETE SLABS SHALL SLOPE AWAY FROM BUILDING AT 1/8 INCH PER FOOT UNLESS OTHERWISE NOTED.
20. ALL PARTITIONS SHALL BE BRACED TO STRUCTURE ABOVE. SEE SHEET C-1.1 FOR BUILDING CODE COMPLIANCE AND SPECIFICATIONS.
21. GENERAL NOTES AND BUILDING ASSEMBLIES SHALL APPLY TO ALL CONTRACTORS.
22. PROVIDE A MINIMUM OF 6" OF CLEAR SPACE AT THE HINGE SIDE OF DOORS, UNLESS NOTED OR INFEASIBLE.





1 FIRST FLOOR CONSTRUCTION PLAN
1/4" = 1'-0"

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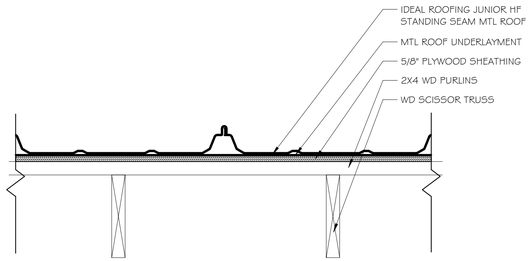
ELMIRA, NY 14901

TITLE OF DRAWING
FIRST FLOOR AND LOFT CONSTRUCTION PLANS

DRAWING SCALE
AS NOTED
ISSUE DATE:
01.05.26
PROJECT NO.
25-086
DRAWING NO.
A-1.1



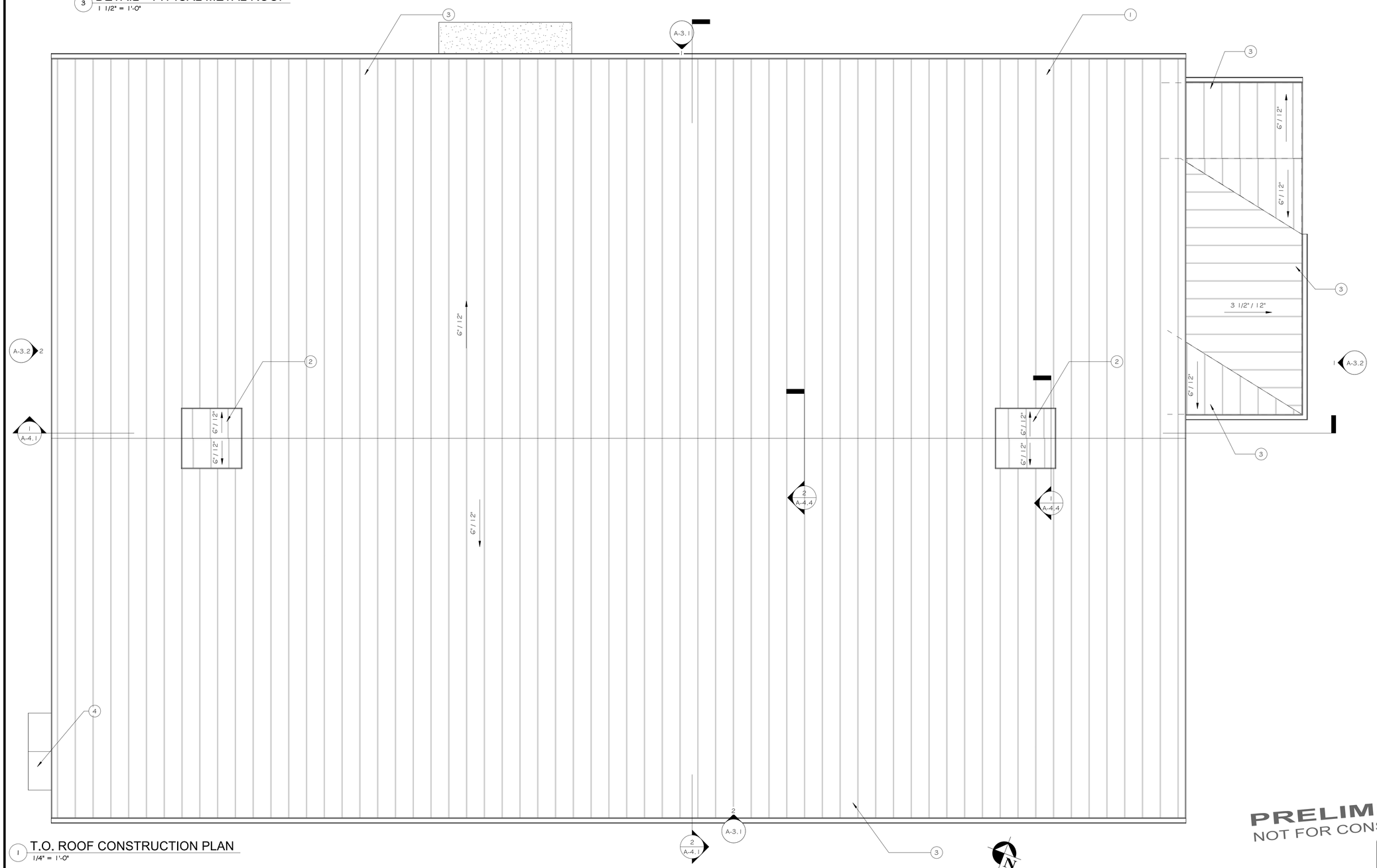
3 DETAIL - TYPICAL METAL ROOF
1 1/2" = 1'-0"

ROOF PLAN KEYNOTES

1. PROVIDE IDEAL ROOFING JUNIOR HF METAL ROOF COMPLETE
2. PROVIDE CUPOLA COMPLETE
3. PROVIDE GUTTERS AND DOWNSPOUTS COMPLETE
4. PROVIDE ENTRY COVERING COMPLETE

GENERAL ROOFING NOTES

1. ALL WORK SHALL CONFORM TO THE NEW YORK STATE BUILDING CODE AND ADOPTED REFERENCE STANDARDS.
2. THE GENERAL TRADES CONTRACTOR SHALL INSTALL AND MAINTAIN TEMPORARY ROOFING TO ENSURE WEATHER TIGHT CONDITIONS UNTIL SUCH TIME THE PERMANENT ROOFING SYSTEM IS INSTALLED.
3. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL MATERIALS TO MAKE SMOOTH TRANSITIONS AT ROOF EDGES AND INTERSECTIONS. TAPERED EDGE STRIPS ARE REQUIRED AT PERIMETER.
4. THE GENERAL TRADES CONTRACTOR SHALL REFER TO THE HVAC DRAWINGS AND COORDINATE WITH THE HVAC CONTRACTOR FOR QUANTITY AND LOCATIONS OF PENETRATIONS THROUGH ROOF FOR EQUIPMENT RAILS, CURBS, AND BOOTS.
5. THE GENERAL TRADES CONTRACTOR SHALL PROVIDE FLASHING AT ALL PENETRATIONS.
6. THE GENERAL TRADES CONTRACTOR IS TO PROVIDE ANY ADDITIONAL BLOCKING, AND ANY ASSOCIATED ACCESSORIES REQUIRED.



1 T.O. ROOF CONSTRUCTION PLAN
1/4" = 1'-0"

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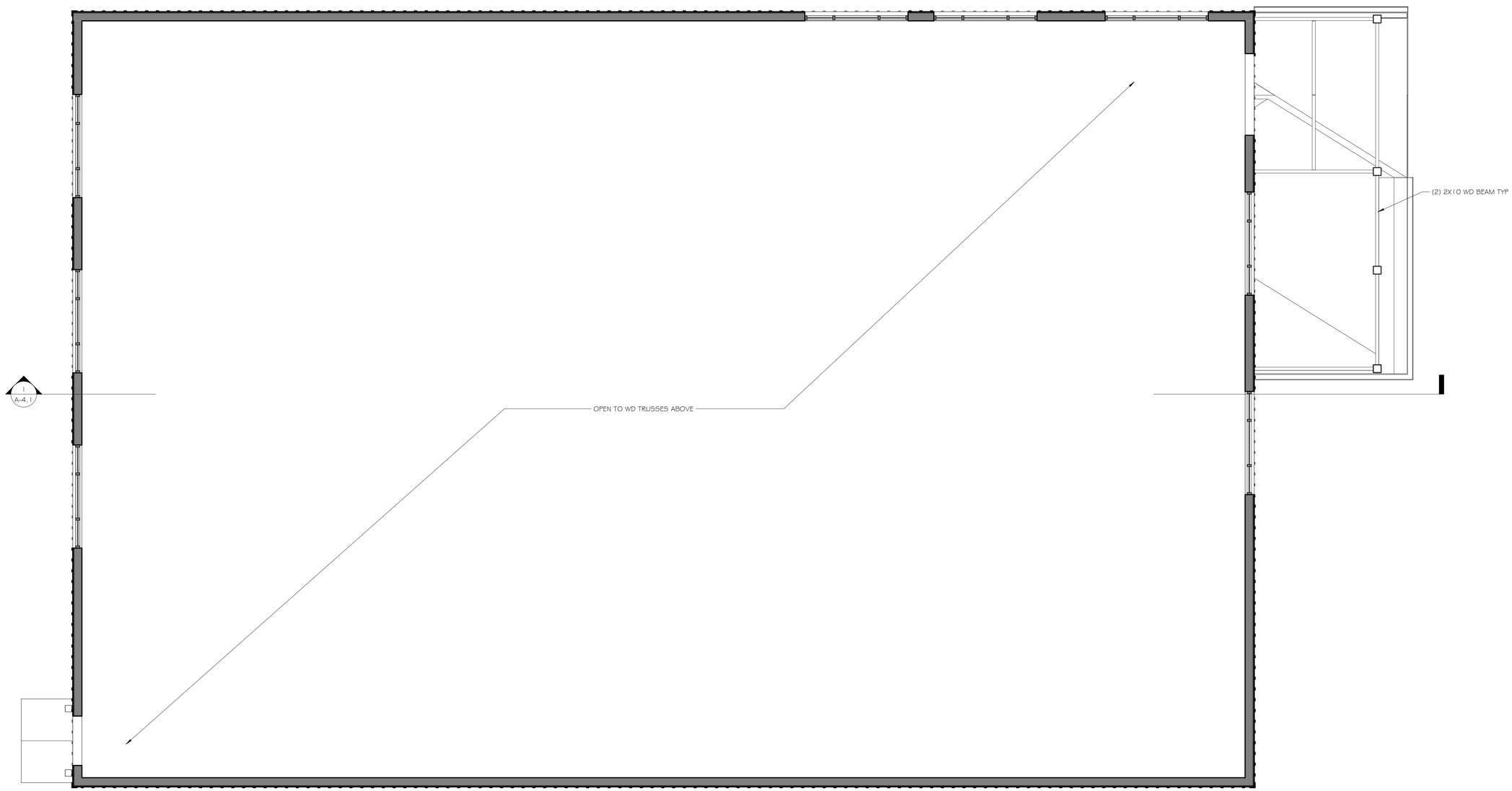
TITLE OF DRAWING
ROOF CONSTRUCTION PLAN

DRAWING SCALE
AS NOTED
ISSUE DATE:
01.05.26
PROJECT NO.
25-086
DRAWING NO.
A-1.4

REFLECTED CEILING PLAN NOTES:

A. CEILING SHALL BE OPEN TO TRUSSES ABOVE.
B. NO LIGHTING NOR POWER SHALL BE INSTALLED IN THIS PHASE.



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

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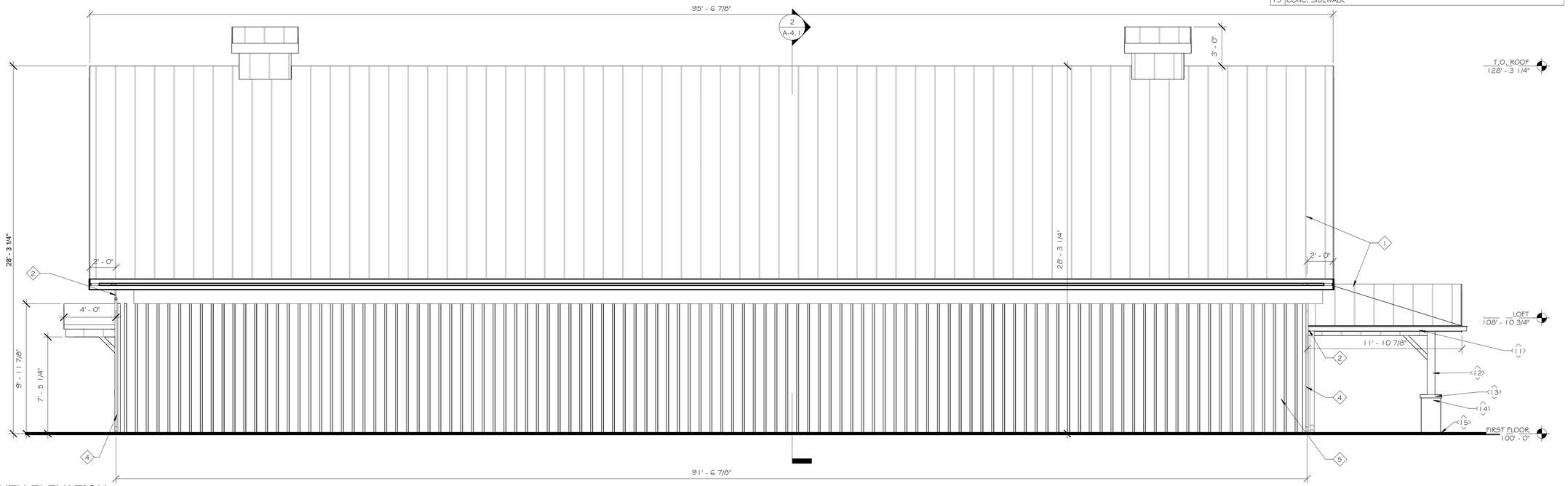
ELMIRA, NY 14901

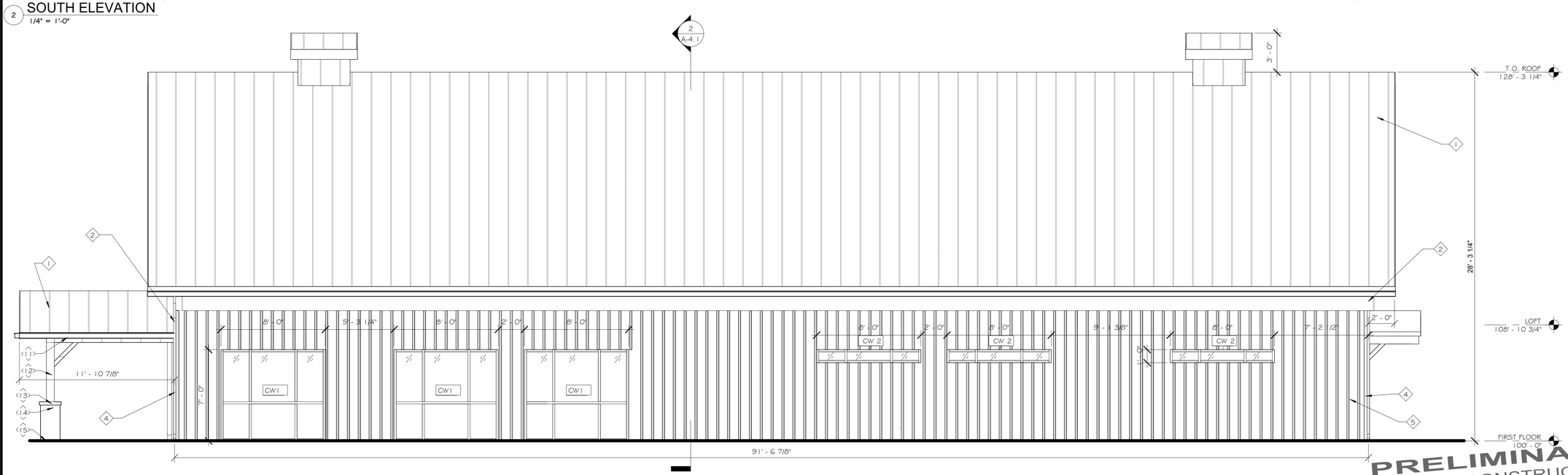
TITLE OF DRAWING
FIRST FLOOR REFLECTED CEILING PLAN

DRAWING SCALE
AS NOTED
ISSUE DATE:
01.05.26
PROJECT NO.
25-086
DRAWING NO.
A-2.1

ELEVATION KEYED NOTE	
1	IDEAL ROOFING JUNIOR HF STANDING SEAM METAL ROOFING
2	PROVIDE ALUMINIUM 5" SQUARE GUTTER AND 4" ROUND DOWNSPOUTS COMPLETE
4	PROVIDE SIDING MANUF STANDARD CORNER TRIM TO MATCH SIDING COLOR
5	CENTRAL STATES MTL BOARD & BATTEN WOOD LOOK SIDING
6	FLAT MTL WALL PANEL
7	ENTRY COVERING
8	WOOD FRAMED ENTRY ROOF
9	EDCO; ARROWLINE SHINGLE-SHAKE, METAL WOODSHAKE SIDING PANEL
10	EDCO MTL TRIM
11	WD PORCH ROOF FRAMING
12	8X8 WD POST
13	PRECAST CONC. CAP
14	CERTAINTEED STONEFACADE STONE VENEER CLAD PIER
15	CONC. SIDEWALK



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



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

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PROJECT
ELMIRA CIVIL WAR VISITOR CENTER
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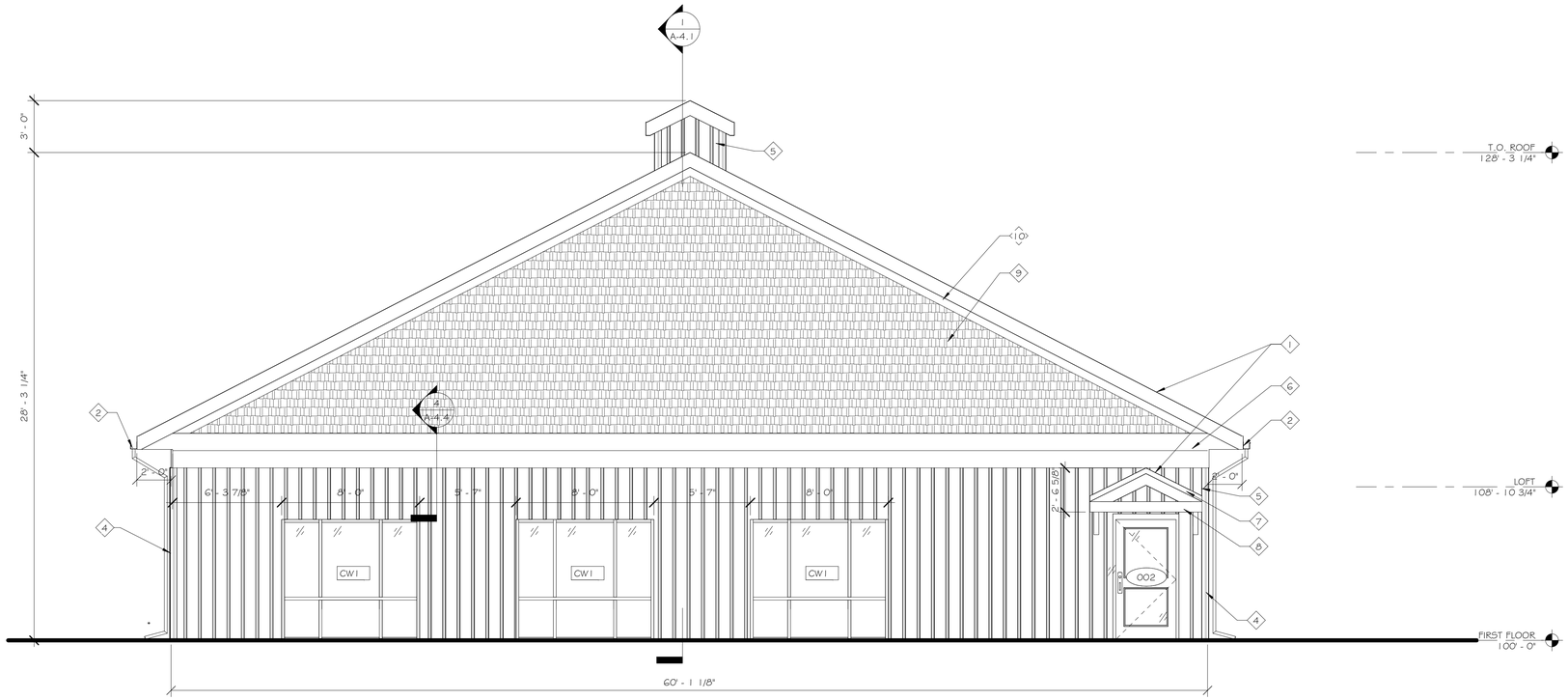
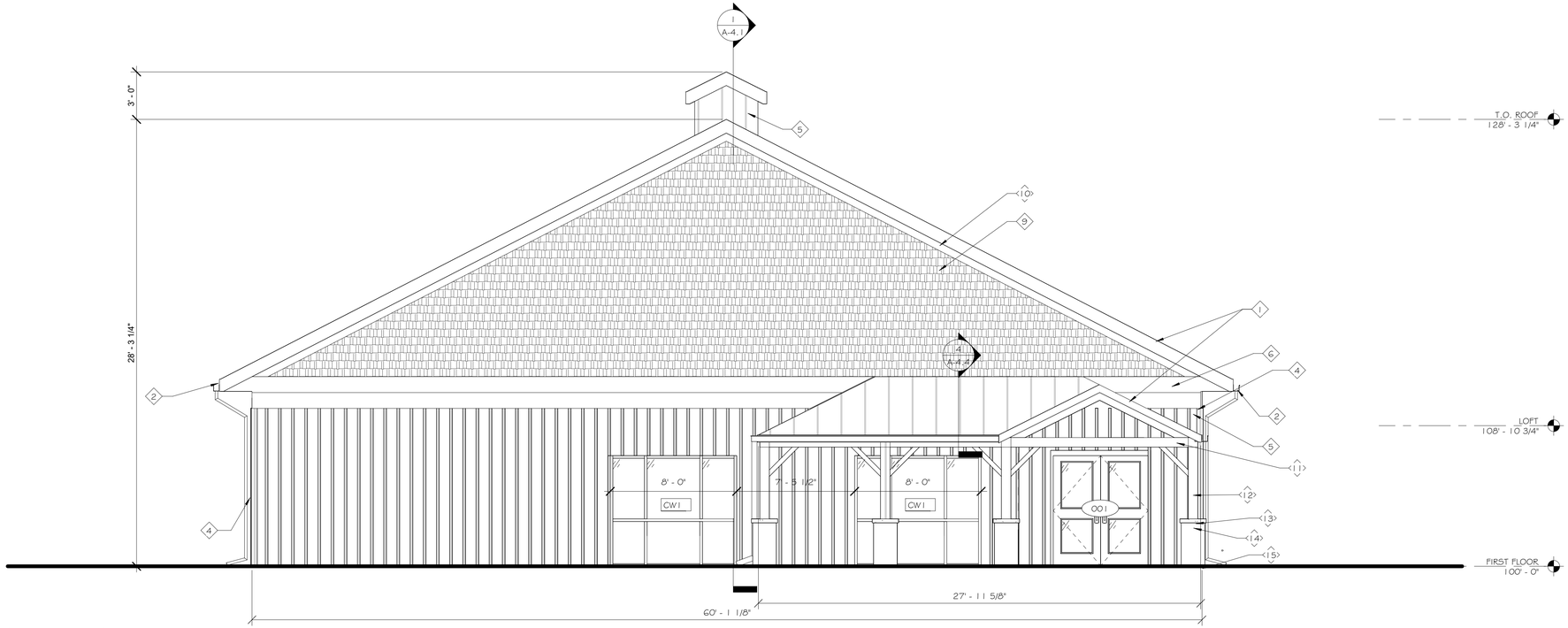
ELMIRA, NY 14901

TITLE OF DRAWING
EXTERIOR ELEVATIONS - NORTH/ SOUTH

DRAWING SCALE
AS NOTED
ISSUE DATE:
01.05.26
PROJECT NO.
25-086
DRAWING NO.
A-3.1



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



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

ELEVATION KEYED NOTE	
1	IDEAL ROOFING JUNIOR HF STANDING SEAM METAL ROOFING
2	PROVIDE ALUMINUM 5" SQUARE GUTTER AND 4" ROUND DOWNSPOUTS COMPLETE
4	PROVIDE SIDING MANUF STANDARD CORNER TRIM TO MATCH SIDING COLOR
5	CENTRAL STATES MTL BOARD & BATTEN WOOD LOOK SIDING
6	FLAT MTL WALL PANEL
7	ENTRY COVERING
8	WOOD FRAMED ENTRY ROOF
9	EDCO; ARROWLINE SHINGLE-SHAKE, METAL WOODSHAKE SIDING PANEL
10	EDCO MTL TRIM
11	WD PORCH ROOF FRAMING
12	8X8 WD POST
13	PRECAST CONC. CAP
14	CERTAINTEED STONEFACADE STONE VENEER CLAD PIER
15	CONC. SIDEWALK

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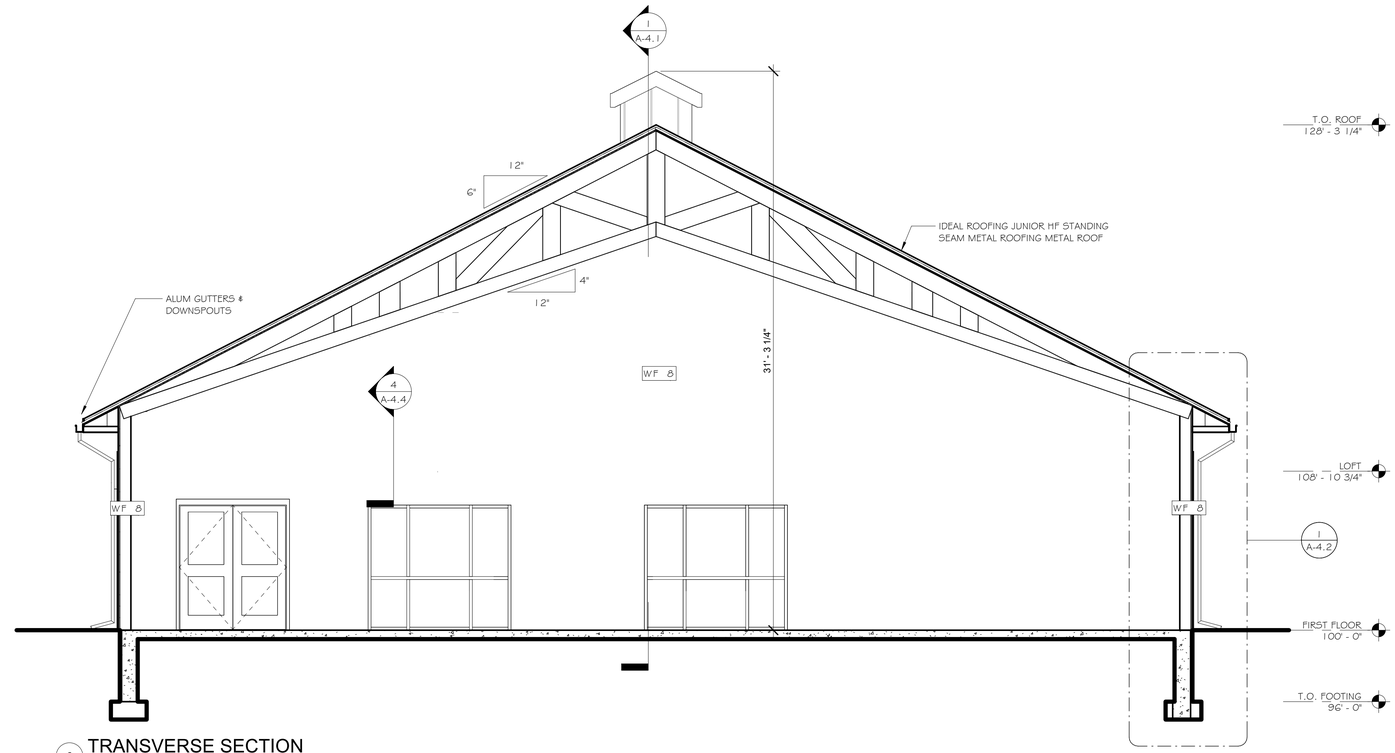
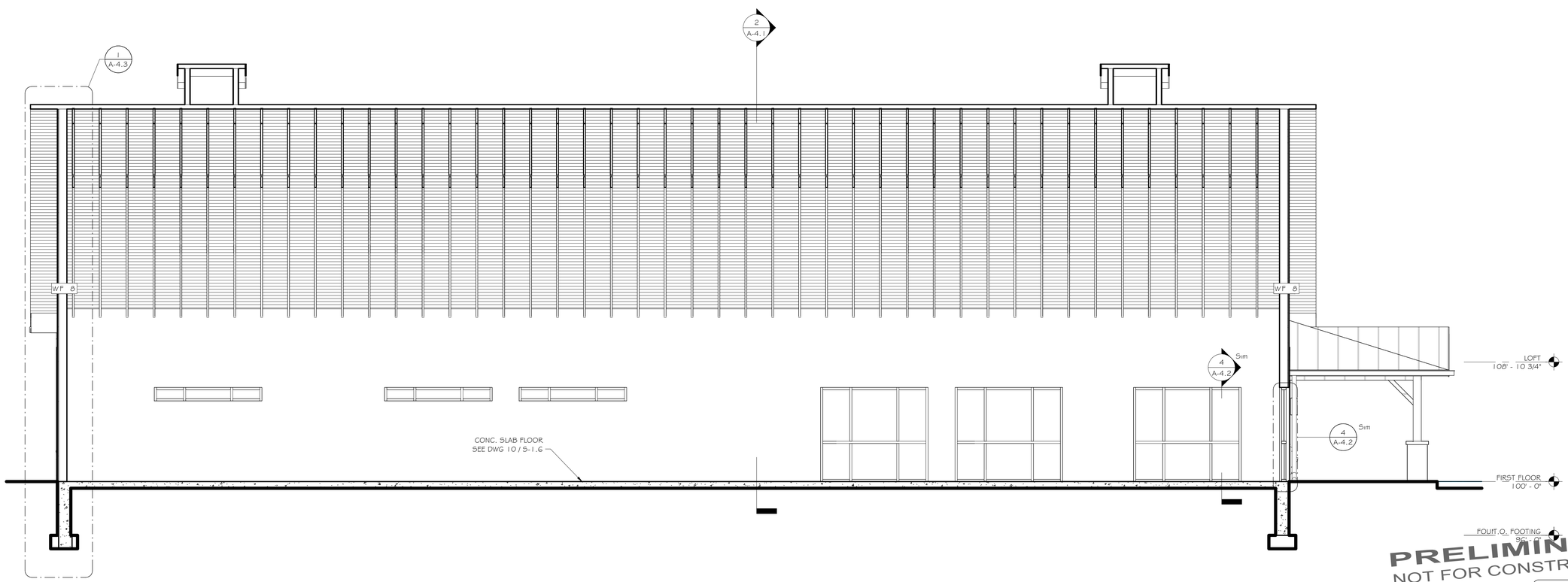
PROJECT
ELMIRA CIVIL WAR VISITOR CENTER
637-639 WINSOR AVE
ELMIRA, NY 14901

TITLE OF DRAWING
EXTERIOR ELEVATIONS - EAST/WEST

DRAWING SCALE
AS NOTED
ISSUE DATE:
01.05.26
PROJECT NO.
25-086
DRAWING NO.
A-3.2



2 TRANSVERSE SECTION
1/4" = 1'-0"



1 LONGITUDINAL SECTION
1/4" = 1'-0"

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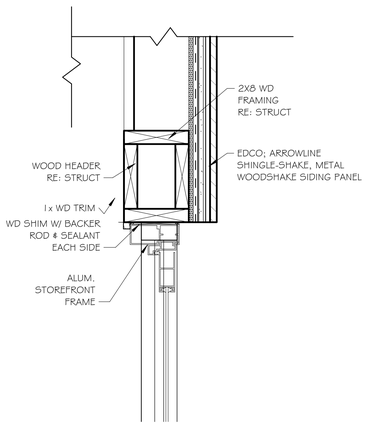
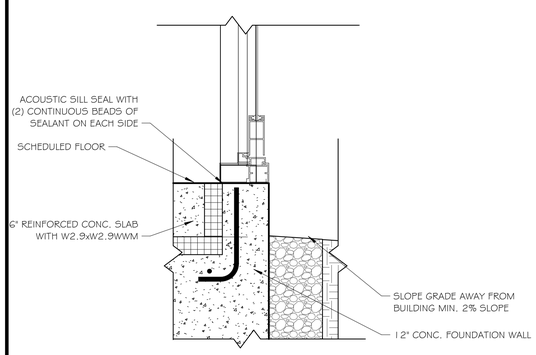
TITLE OF DRAWING
BUILDING SECTIONS

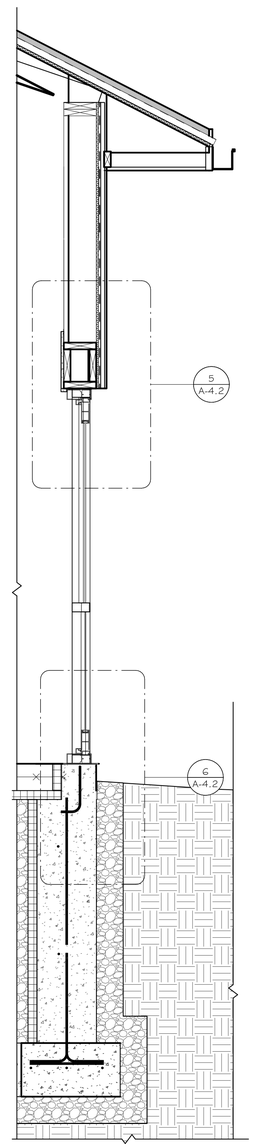
DRAWING SCALE
AS NOTED
ISSUE DATE:
01.05.26
PROJECT NO.
25-086
DRAWING NO.
A-4.1



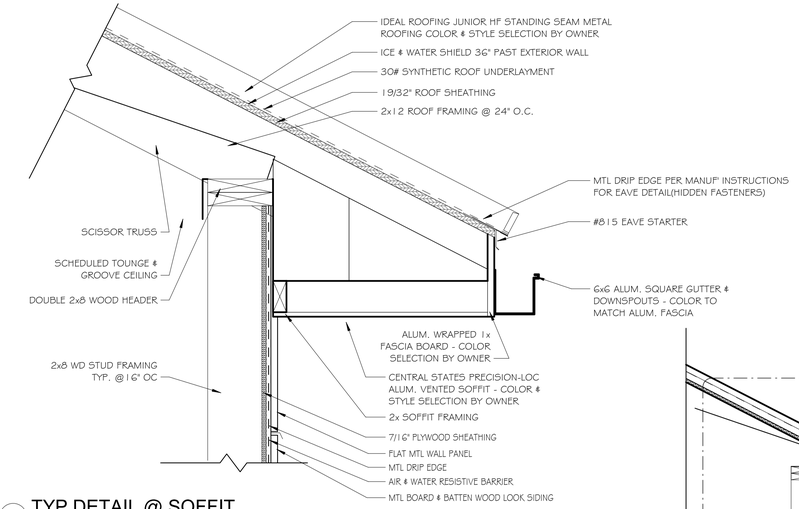
5 TYP. DETAIL @ CURTAIN WALL HEADER
1 1/2" = 1'-0"



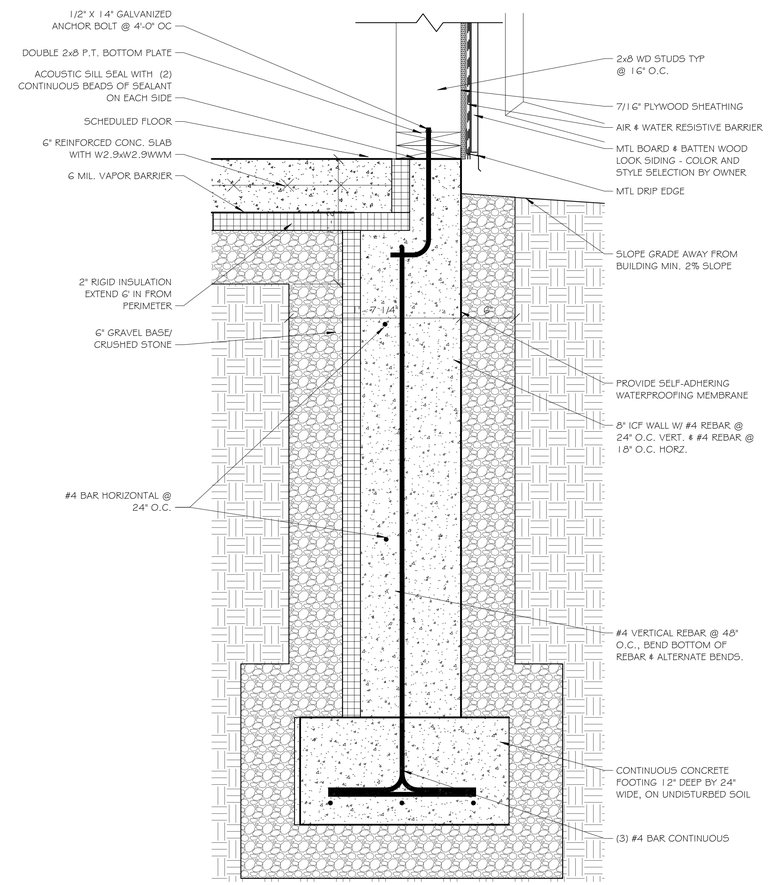
6 TYP. DETAIL @ EXTERIOR CURTAIN WALL BASE
1 1/2" = 1'-0"



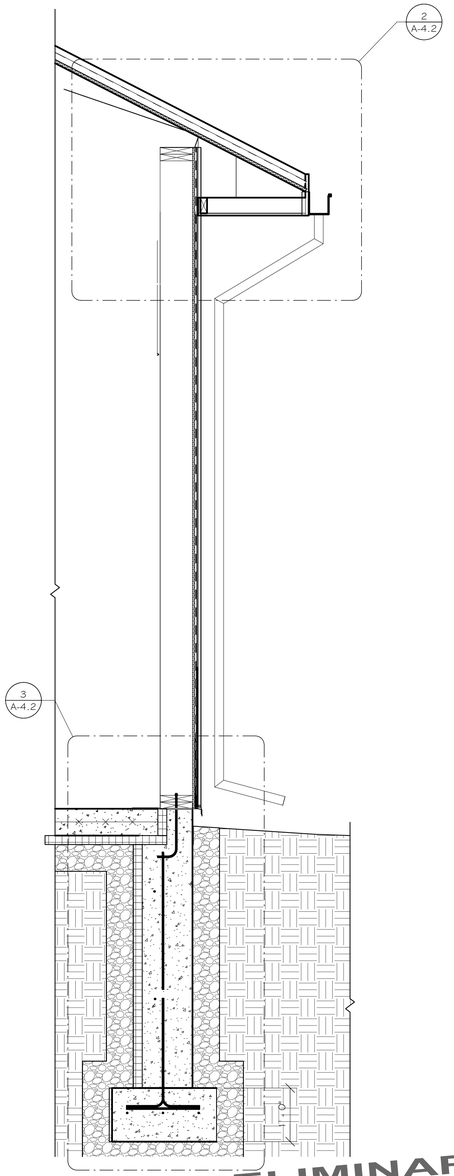
4 WALL SECTION @ CURTAIN WALL
3/4" = 1'-0"



2 TYP DETAIL @ SOFFIT
1 1/2" = 1'-0"



3 TYP DETAIL @ EXTERIOR WALL BASE
1 1/2" = 1'-0"



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

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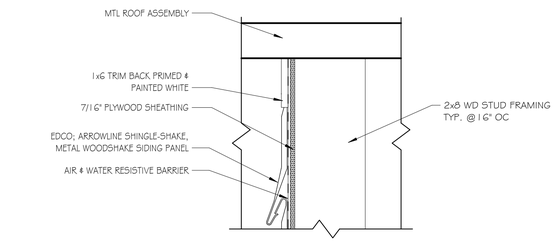
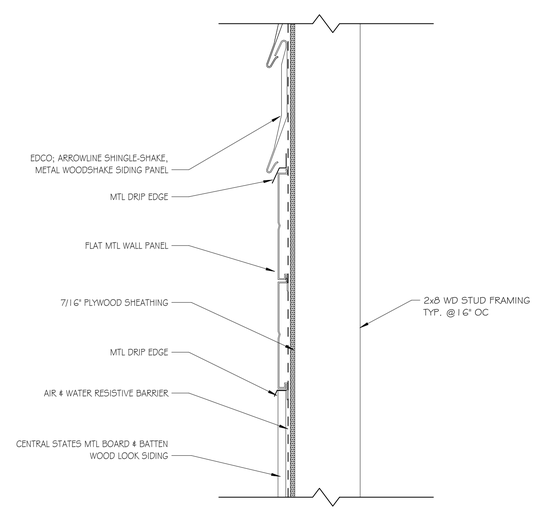
PROJECT
ELMIRA CIVIL WAR VISITOR CENTER
637-639 WINSOR AVE
ELMIRA, NY 14901

TITLE OF DRAWING
WALL SECTIONS

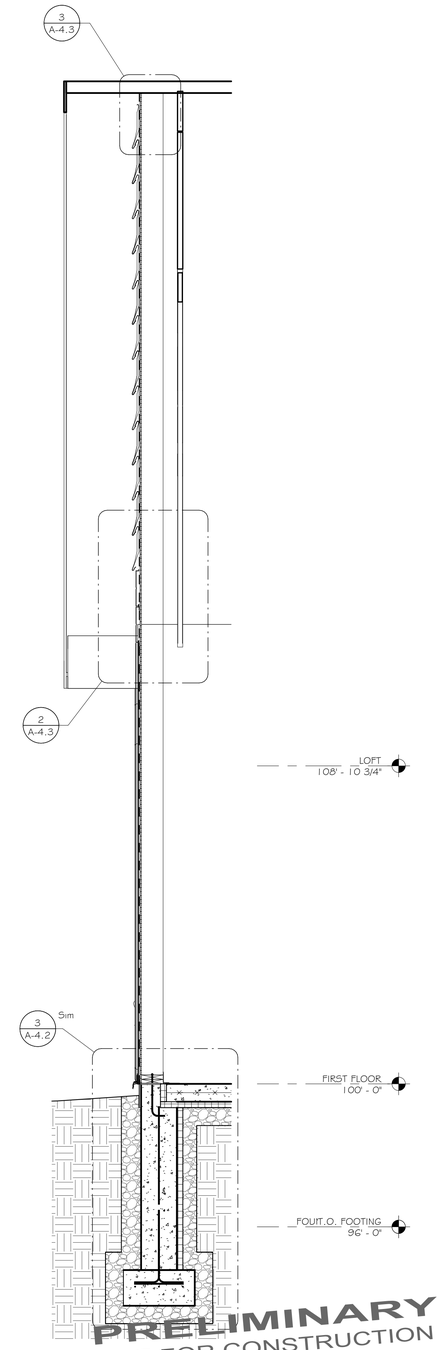
DRAWING SCALE
AS NOTED
ISSUE DATE:
01.05.26
PROJECT NO.
25-086
DRAWING NO.
A-4.2



3 TYP SECTION @ EAST/WEST WALL TOP
1 1/2" = 1'-0"



2 TYP SECTION @ EXTERIOR WALL FINISHES
1 1/2" = 1'-0"



1 TYP SECTION @ EAST/WEST WALL
1/2" = 1'-0"

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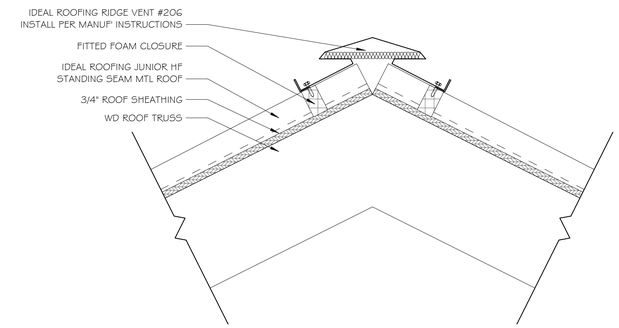
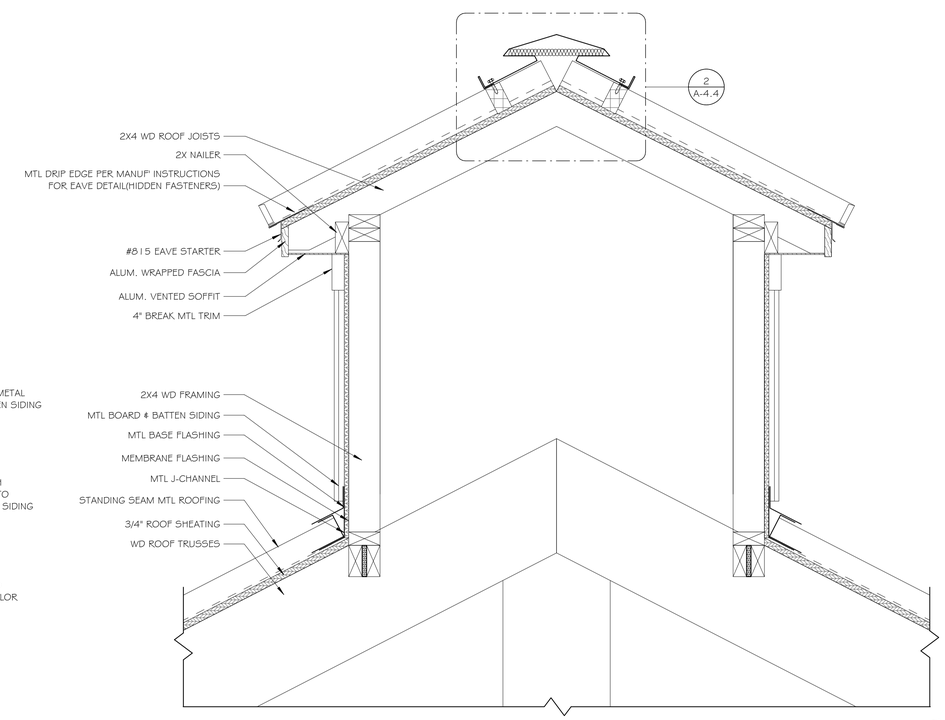
TITLE OF DRAWING
WALL SECTION CONT'D

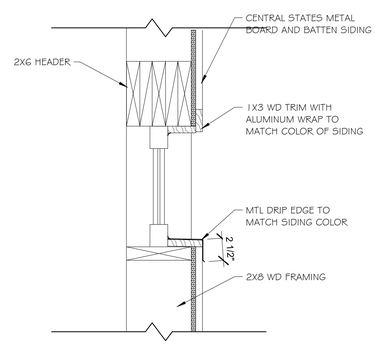
DRAWING SCALE
AS NOTED
ISSUE DATE:
01.05.26
PROJECT NO.
25-086
DRAWING NO.
A-4.3



2 TYP ROOF RIDGE VENT
1 1/2" = 1'-0"

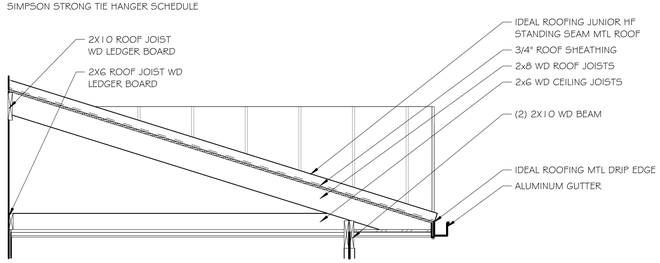


1 SECTION @ CUPOLA
1 1/2" = 1'-0"



3 SECTION @ EXTERIOR TRANSOM
1 1/2" = 1'-0"

NOTE: REFER TO STRUCTURAL FLOOR PLANS FOR
SIMPSON STRONG TIE HANGER SCHEDULE



4 SECTION @ FRONT CANOPY
1/2" = 1'-0"

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TITLE OF DRAWING
TYP. DETAILS

DRAWING SCALE
AS NOTED
ISSUE DATE:
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PROJECT NO.
25-086
DRAWING NO.
A-4.4

DOOR SCHEDULE

TAG	DOOR SIZE WIDTH	DOOR SIZE HEIGHT	DOOR SIZE THK	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	DOOR GLASS	FRAME TYPE	FRAME MAT	FRAME FINISH	FRAME DETAIL HEAD	FRAME DETAIL JAMB	FRAME DETAIL SILL	FIRE RATING	HARDWARE SET	REMARKS
101	6' - 0"	7' - 0"	0' - 1 3/4"	1	ALUM	PNT-1	*	A	ALUM	PNT-1				---	1	EXTERIOR: STOREFRONT ENTRY - DOUBLE DOORS
102	3' - 6"	7' - 0"	0' - 1 3/4"	2	ALUM	PNT-1	*	B	ALUM	PNT-1				---	2	EXTERIOR: STOREFRONT ENTRY - SINGLE DOOR

* 1" INSULATED LOW-E CATEGORY II TEMPERED SAFETY GLASS
--- NOT APPLICABLE

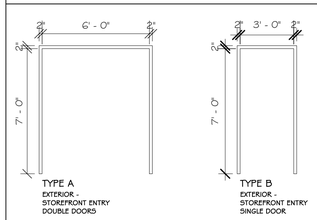
CURTAIN WALL SCHEDULE

TYPE	MARK	SIZE WIDTH	SIZE HEIGHT	TYPE	MAT	GLASS	THERMAL	DETAILS HEAD	DETAILS JAMB	DETAILS SILL	COLOR	MFR	COUNT	REMARKS
Curtain Wall: CW-1	CW1	8' - 0"	7'-0"	A	ALUM	*					BLACK		8	
Curtain Wall: CW-2	CW2	8' - 0"	1'-0"	B	ALUM	*					BLACK		3	

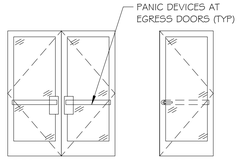
* 1" INSULATED LOW-E GLAZING

NOTES:
1. COORDINATE PAINT COLOR SELECTION WITH OWNER.
2. ALL NEWLY PAINTED SURFACES SHALL RECEIVE (1) COAT PRIMER AND (2) FINISH COATS.
3. ALL GWB SOFFITS SHALL BE PAINTED WITH SW CEILING PAINT.

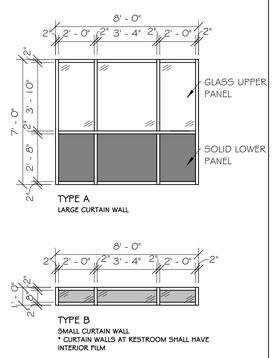
DOOR FRAME TYPES:



DOOR TYPES:



CURTAIN WALL TYPES:



DOOR HARDWARE SETS:

HARDWARE SET 1 (EXTERIOR - DOUBLE DOOR)
- (2) 1 1/2 PAIR OF HINGES
- (2) PANIC EXIT DEVICE (INTERIOR)
- KEYED CYLINDER LOCKSET
- SURFACE-MOUNTED CLOSER
- SURFACE-MOUNTED STOP AND BUMP
- SILENCERS
- DOOR GASKETING
- ADA THRESHOLD
- (2) EXTERIOR PULL HANDLES
- (2) KICK PLATES

HARDWARE SET 2 (EXTERIOR)
- 1 1/2 PAIR OF HINGES
- PANIC EXIT DEVICE (INTERIOR)
- KEYED CYLINDER LOCKSET
- SURFACE-MOUNTED CLOSER
- SURFACE-MOUNTED STOP AND BUMP
- SILENCERS
- DOOR GASKETING
- ADA THRESHOLD
- EXTERIOR PULL HANDLES
- KICK PLATES

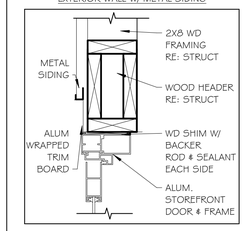
GENERAL DOOR NOTES:

1. INSTALL ADA APPROVED HARDWARE FOR ALL DOORS
2. LOCATE DOORS HANDLES BETWEEN 35" & 48" ABOVE FLOOR LEVEL.
3. DOORS SHALL HAVE 6" MINIMUM CLEAR SPACE @ THE HINGE SIDE, WHILE THE REMAINDER SHALL BE AT THE PUSH/ PULL SIDE, UNLESS OTHERWISE NOTED OR TECHNICALLY INFEASIBLE.
4. ANY DOORS THAT OPEN PARALLEL TO A WALL SHALL HAVE A DOOR STOP.

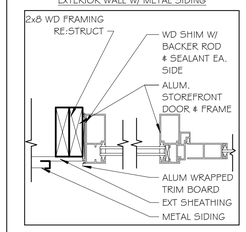
GENERAL CURTAIN WALL NOTES:

1. CURTAIN WALL ASSEMBLY SHALL HAVE A WATER-TIGHT SEAL. THE EXTERIOR SHALL BE CAULKED WITH MANUFACTURER APPROVED CAULK, COLOR SHALL MATCH WINDOW.
2. ALL GLAZING LOWER THAN 1'-6" SHALL BE TEMPERED.
3. ALL CURTAIN WALL SHIMS SHALL BE LOW EXPANSION FOAM.

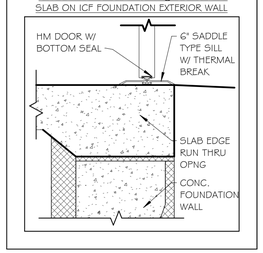
HEADER DETAIL - STOREFRONT @ WD STUD EXTERIOR WALL W/ METAL SIDING



JAMB DETAIL - STOREFRONT @ WD STUD EXTERIOR WALL W/ METAL SIDING



SILL DETAIL - STOREFRONT @ CONCRETE SLAB ON ICF FOUNDATION EXTERIOR WALL



2 DETAIL - DOOR - HEAD AND JAMB DETAILS

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FRIENDS OF ELMIRA CIVIL WAR PRISON CAMP

PROJECT
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637-639 WINSOR AVE
ELMIRA, NY 14901

TITLE OF DRAWING
DOOR AND WINDOW SCHEDULES AND DETAILS

DRAWING SCALE
AS NOTED
ISSUE DATE:
01.05.26
PROJECT NO.
25-086
DRAWING NO.
A-7.1

PLUMBING - GENERAL NOTES

1. VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN FIELD BEFORE ORDERING EQUIPMENT OR FABRICATING COMPONENTS.
2. UNLESS NOTED OTHERWISE, CONSTRUCTION MATERIAL AND EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE LEGALLY DISPOSED OF OFF THE SITE.
3. COORDINATE WORK WITH EXISTING STRUCTURAL AND ARCHITECTURAL FEATURES AND PROVIDE OFFSETS AND FITTINGS AS REQUIRED.
4. COORDINATE WORK WITH ALL OTHER TRADES. REFER TO ARCHITECTURAL PLANS FOR CEILING ELEVATIONS.
5. CONTRACTOR SHALL VERIFY LOCATION OF EXISTING UNDERGROUND UTILITIES AND PIPING BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ALL DAMAGES WHICH MIGHT OCCUR BY THE FAILURE TO EXACTLY LOCATE AND PRESERVE ANY UNDERGROUND UTILITIES
6. INSTALL ALL WORK IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS
7. CONTRACTOR IS REQUIRED TO NOTIFY FACILITY OWNERS NOT LESS THAN 3 AND NOT MORE THAN 10 WORKING DAYS PRIOR TO EXCAVATION OR DEMOLITION WORK WHEN USING POWERED EQUIPMENT
8. COORDINATE LOCATION OF ALL PIPING AND DEVICES BEFORE INSTALLATION WITH THE WORK OF OTHER TRADES. WHERE A CONFLICT IN AVAILABLE CLEARANCES OCCURS, OBTAIN CLARIFICATION FROM PRIME CONTRACTOR, AND PROVIDE WHATEVER ADDITIONAL PIPING, FITTINGS, ETC., ARE REQUIRED TO INSTALL PLUMBING SYSTEM WITHOUT ANY ADDITIONAL COST TO THE CONTRACT
9. VERIFY MOUNTING HEIGHTS OF EQUIPMENT FIXTURES W/ARCHITECT DRAWING BEFORE ROUGH-IN.
10. BUILDING STORM WATER, DOMESTIC WATER, SANITARY, & GAS PIPING SHALL BE EXTENDED TO5 FT OUTSIDE OF BUILDING.
11. THE PLUMBING CONTRACTOR SHALL MAKE COMPLETE WASTE, VENT, HOT & COLD WATER CONNECTIONS TO ALL OWNER FURNISHED EQUIPMENT.
12. INSTALL ALL EQUIPMENT AND MATERIALS IN STRICT ACCORDANCE WITH RESPECTIVE MANUFACTURER'S WRITTEN INSTRUCTIONS.
13. DIMENSIONS AND PIPE SIZES ARE IN INCHES UNLESS NOTED OTHERWISE.
14. RUN PIPING CONCEALED EXCEPT IN MECHANICAL ROOMS OR WHERE NOTED OTHERWISE.
15. ALL EXPOSED PIPING SHALL BE CLEANED AND HAVE THE SURFACE PREPARED TO RECEIVE PAINTED FINISH. PRIME AND PAINT THE EXPOSED PIPING IN COLOR AS SELECTED BY THE ARCHITECT
16. RUN 2" MINIMUM SIZE WASTE PIPING BELOW GROUND INSIDE BUILDING REGARDLESS OF SIZE NOTED ON FIXTURE SCHEDULE. SLOPE ALL SOIL, WASTE AND STORM WATER LINES PER CODE.
17. CONNECT WATER, WASTE, AND VENT PIPING TO FIXTURES IN ACCORDANCE WITH SIZES INDICATED ON FIXTURE SCHEDULE.
18. CONTRACTOR SHALL PROVIDE PIPE SLEEVES IN ALL FOUNDATION WALLS FOR PIPING PENETRATIONS.
19. MAKE ALL FINAL CONNECTIONS TO THE EQUIPMENT AS SHOWN ON THE DRAWINGS. PROVIDE SHUT-OFF VALVES IN ALL INDIVIDUAL WATER CONNECTIONS. IF APPLICABLE, PROVIDE SHUT-OFF VALVES IN ALL INDIVIDUAL GAS CONNECTIONS.
20. RUN ALL PIPING ABOVE CEILING UNDER BUILDING INSULATION OR CONCEALED IN WALLS, UNLESS NOTED OTHERWISE. ALL WASTE LINES AS SHOWN SHALL BE BELOW FLOOR, UNLESS NOTED OTHERWISE.
21. FURNISH AND INSTALL ACCESS PANELS (FIRE-RATED) WHERE REQUIRED, WHERE SHOWN, OR REQUIRED FOR ACCESS TO ALL CONCEALED VALVES, TRAPS OR OTHER EQUIPMENT FURNISHED UNDER THIS CONTRACT WHERE NO OTHER MEANS IS PROVIDED.
    A. COORDINATE ACCESS PANELS AND DOORS WITH ARCHITECT FEATURES.
22. INSTALL UNIONS ON PIPING TO PERMIT EASY DISCONNECTING.
23. CONCEAL ALL PIPING, VALVES AND FITTINGS ABOVE CEILINGS AND IN CHASES WHERE THEY OCCUR, UNLESS NOTED OTHERWISE.
24. THE CONTRACTOR SHALL RIGIDLY SUPPORT ALL EQUIPMENT.
25. ALL SANITARY AND STORM SEWER PIPING SHALL BE RUN AT 1/8" PER FOOT SLOPE UNLESS OTHERWISE NOTED. ALL SANITARY SEWER PIPING 2" AND SMALLER SHALL BE RUN AT 1/4" PER FOOT SLOPE. ALL SANITARY SEWER PIPING 3" AND LARGER SHALL BE RUN AT 1/8" PER FOOT SLOPE.
26. PROVIDE AND INSTALL ANGLE SHUTOFF VALVES AT EACH FIXTURE. WATER VALVES FOR WALL MOUNTED FIXTURES SHALL BE CHROME PLATED, THREADED, HEAVY DUTY TYPE AND HAVE LOOSE KEY STOPS. VALVES FOR COUNTERTOP FIXTURES SHALL BE 1/4 TURN BALL VALVES. PROVIDE SHUT-OFF VALVE IN ALL HOT WATER SUPPLY BRANCHES AND COMBINATION SHUT-OFF AND BALANCE VALVE IN ALL HOT WATER RETURN BRANCHES. LOCATE IN ACCESSIBLE CEILING SPACE OR IF INSIDE EQUIPMENT ENCLOSURES, PROVIDE ACCESS DOOR.
27. HOT & COLD-WATER PIPING SHALL BE COPPER/PEX.
28. SEAL ALL FLOOR AND WALL PENETRATION IN FIRE RATED CEILING & PARTITIONS TO MAINTAIN FIRE RATING.
29. PROVIDE PIPE COVERING INSULATION, 1" THICK FOR HOT WATER PIPING, AND 1/2" THICK FOR COLD WATER PIPING.

PLUMBING SPECIFICATIONS

1 GENERAL NOTES

1.1 BUILDING CODES & STANDARDS
A. CONFORM TO ALL APPLICABLE CODES (LOCAL, STATE, NATIONAL CODES, NFPA, OSHA, ETC.), GOVERNMENT REGULATIONS, UTILITY COMPANY REQUIREMENTS, AND APPLICABLE STANDARDS.
B. ARRANGE FOR ALL REQUIRED INSPECTIONS AND APPROVALS.

1.2 GENERAL REQUIREMENTS
A. CONFORM TO ALL GENERAL AND SPECIAL CONDITIONS OF CONTRACT AS SPECIFIED BY SITE ENGINEER'S AND/OR OWNER.
B. VISIT SITE, CHECK FACILITIES AND CONDITIONS AND MAKE ALL NECESSARY OBSERVATIONS AND MEASUREMENTS. NOTE CONDITIONS UNDER WHICH WORK IS TO BE PERFORMED AND TAKE ALL ITEMS INTO CONSIDERATION IN SCOPE OF WORK.
C. SYSTEMS ARE TO BE COMPLETE AND WORKABLE IN ALL RESPECTS, PLACED IN OPERATION AND PROPERLY ADJUSTED.
D. CONTRACTOR SHALL PROVIDE THEIR OWN CLEAN-UP, REMOVAL AND LEGAL DISPOSAL OF ALL RUBBISH DAILY.
E. CONTRACTOR SHALL PROTECT THEIR WORK, EXISTING AND ADJACENT PROPERTY AGAINST WEATHER.
F. CONTRACTOR SHALL PROTECT THEIR WORK, MATERIALS, APPARATUS AND FIXTURES FROM DAMAGE. ANY WORK DAMAGED BY FAILURE TO PROVIDE PROTECTION REQUIRED SHALL BE REMOVED AND REPLACED WITH NEW MATERIAL AT THE CONTRACTOR'S EXPENSE.
G. ARRANGE FOR AND OBTAIN OWNER'S REPRESENTATIVE'S PERMISSION FOR ANY SERVICE SHUTDOWNS.
H. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, SEQUENCES OF CONSTRUCTION AND THE SAFETY OR WORKMEN.
I. NO PIPING, DUCTWORK, WIRING, ETC. SHALL BE INSTALLED OR ROUTED ABOVE ELECTRICAL PANELS AND EQUIPMENT.

1.3 DRAWINGS
A. THE SYSTEM AS SHOWN ON PLUMBING DRAWINGS ARE DIAGRAMMATIC. CONFIRM ALL DIMENSIONS BY FIELD MEASUREMENT.
B. THE EXACT LOCATIONS FOR FIXTURES, EQUIPMENT AND PIPING WHICH IS NOT COVERED BY DRAWINGS, SHALL BE OBTAINED FROM THE SITE ENGINEER'S OR THEIR REPRESENTATIVE IN THE FIELD AND THE WORK SHALL BE LAID OUT ACCORDINGLY.

1.4 BASE EQUIPMENT, MATERIALS AND SUBSTITUTIONS:
A. ALL EQUIPMENT AND MATERIALS SHALL BE NEW, FREE OF DEFECTS.
B. BASE BID MANUFACTURERS ARE INCLUDED IN THE SPECIFICATIONS OR LISTED IN THE NAME OR MAKE OF ANY ARTICLE, DEVICE, MATERIAL, FORM OF CONSTRUCTION, FIXTURE, ETC. ARE INCLUDED AS A BASIS OF DESIGN, WHETHER OR NOT THE WORDS "OR APPROVED EQUAL" ARE USED, SHALL BE KNOWN AS A "STANDARD".
C. ALL PROPOSALS SHALL BE BASED ON "STANDARDS" SPECIFIED.
D. THE EQUIPMENT SCHEDULES ON THE DRAWINGS INDICATE MANUFACTURERS EQUIPMENT MODEL NUMBERS THAT THIS DESIGN HAS BEEN BASED ON. THE USE OF OTHER MANUFACTURERS EQUIPMENT THAT IS LISTED AS ACCEPTABLE ALTERNATES AND REFLECTS ANY ADDITIONAL COST OF SUCH CHANGES SHALL BE PAID BY THE CONTRACTOR.
E. SUBSTITUTIONS ARE SUBJECT TO THE APPROVAL OF THE OWNER. IF A SUBSTITUTION IS SUBMITTED, IT IS THE CONTRACTOR'S RESPONSIBILITY TO EVALUATE IT AND CERTIFY THAT THE SUBSTITUTION IS EQUIVALENT IN ALL RESPECTS TO THE BASE SPECIFICATIONS.
F. COORDINATE ALL APPROVED SUBSTITUTIONS. ANY COSTS RESULTING FROM SUBSTITUTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. APPROVED SHOP DRAWINGS DO NOT ABSOLVE THIS CONTRACTOR FROM THIS RESPONSIBILITY.

1.5 WARRANTY
A. FULLY WARRANT ALL MATERIALS, EQUIPMENT AND WORKMANSHIP FOR (1) YEAR FROM DATE OF ACCEPTANCE.
B. EXTEND ALL MANUFACTURERS' WARRANTIES TO OWNER.
C. REPAIR OR REPLACE WITHOUT CHARGE TO THE OWNER ALL ITEMS FOUND DEFECTIVE DURING THE WARRANTY PERIOD. IN THE CASE OF REPLACEMENT OR REPAIR DUE TO FAILURE WITHIN THE WARRANTY PERIOD, THE WARRANTY ON THAT PORTION OF THE WORK SHALL BE EXTENDED FOR A MINIMUM PERIOD OF ONE (1) YEAR FROM THE DATE OF SUCH REPLACEMENT OR REPAIR.

2. BASIC MATERIALS AND METHODS

2.1 GENERAL
A. THIS SECTION INCLUDES BASIC PLUMBING MATERIALS AND METHODS TO COMPLEMENT OTHER SECTIONS IN THIS SPECIFICATION AND REQUIREMENTS INDICATED ON THE MECHANICAL DRAWINGS.

2.2 SUPPORTS & HANGERS
A. INSTALL HANGERS, SUPPORTS, CLAMPS AND ATTACHMENTS AS REQUIRED TO PROPERLY SUPPORT PIPING FROM BUILDING STRUCTURE. THE INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF MSS SP-69 AND SP-89.

2.3 ESCUTCHEONS
A. FIT ALL PIPE PASSING THROUGH WALLS, FLOORS OR CEILINGS IN FINISHED ROOMS WITH STEEL OR BRASS ESCUTCHEONS. WHERE SURFACE IS TO RECEIVE A PAINT FINISH, MAKE ESCUTCHEONS NICKEL OR CHROME PLACED. WHERE PIPING IS INSULATED, FIT ESCUTCHEONS OUTSIDE INSULATION.

2.4 IDENTIFYING DEVICES & LABELS
A. PROVIDE METAL EQUIPMENT NAMEPLATES PERMANENTLY FASTENED TO EQUIPMENT WITH OPERATIONAL DATA ENGRAVED OR STAMPED.
B. IDENTIFY ALL PIPES AND VALVES AT UNEXPOSED AREAS, AND ACCESSIBLE CEILINGS AND SHAFTS.
C. COLOR CODE IDENTIFICATION BANDS OR MARKER BACKGROUNDS TO IDENTIFY CONTENTS OF PIPE AND DIRECTION OF FLOW LOCATED NEAR EACH VALVE AND FITTING, ON BOTH SIDES OF PIPE PASSING THROUGH WALLS AND ON LONG RUNS AT NOT OVER 20 FOOT INTERVALS.

2.5 FLUES
A. FLUES SHALL BE TYPE B DOUBLE WALL TYPE. INNER PIPE SHALL BE FABRICATED OF TYPE 430M STAINLESS STEEL AND THE OUTER PIPE OF ALUMINIZED STEEL. PROVIDE VENTILATED ROOF THIMBLE, EXIT CONE AND STACK CAP.

2.6 CUTTING, PATCHING & DRILLING
A. PATCH AND FINISH TO MATCH ADJACENT AREAS THAT HAVE BEEN CUT, DAMAGED OR MODIFIED AS A RESULT OF THE INSTALLATION OF THE MECHANICAL SYSTEMS.
B. EXACT LOCATION OF ROOF TOP MECHANICAL UNITS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. CONTRACTOR SHALL FURNISH AND INSTALL ALL SUPPLEMENTAL SUPPORT STEEL FOR EQUIPMENT AND ROOF PENETRATIONS AFTER APPROVAL OF STRUCTURAL ENGINEER.

3. INSULATION

A. PLUMBING INSULATION (AS MANUFACTURED BY OWNES CORNING, KNAUF, SCHULLER OR CERTAINTEED)
   1. INSULATE ALL ABOVE GRADE HOT AND COLD WATER PIPING WITH MOLDED FIBER GLASS HAVING AN ALL SERVICE JACKET.
B. INSULATION THICKNESS SCHEDULE: 1) LESS THAN 2" DIAMETER PIPE: 1" THICK-HW AND 1/2" THICK CW; 2) 2"-8" DIAMETER PIPE: 1-1/2" THICK.
   1. INSULATE ALL ABOVE-GRADE, HORIZONTAL RAIN CONDUCTORS AND ROOF DRAIN SUMPS WITH ONE (1) INCH THICK MOLDED FIBER GLASS HAVING TYPE ASJ JACKET AND MANUFACTURED BY OWENS-CORNING FIBERGLASS COMPANY.
   2. INCLUDE INSULATION OF FITTINGS AND VALVES. KEEP VAPOR BARRIERS INTACT. APPLY TO MANUFACTURER'S RECOMMENDATIONS.

4. PIPING AND VALVES

4.1 GENERAL
A. LABEL ALL PIPING AND SHOW DIRECTION OF FLOW EVERY 20 FEET ON CENTER.

4.2 CONNECTIONS TO EQUIPMENT
A. PROVIDE VALVES AT ALL WATER AND/OR GAS CONNECTION FOR EQUIPMENT.
B. INCLUDE ACCESSORIES REQUIRED BY CODE, DRAWING OR MANUFACTURER'S INSTRUCTIONS.

4.3 SANITARY AND STORM SEWERS
A. SANITARY AND STORM SEWERS
   1. ROOF DRAINS SHALL BE PROVIDED WITH A FLASHING RING AND A 30"x30"x 4LB. LEAD FLASHING PROPERLY FASTENED TO THE FLASHING RING.
   2. PVC PIPING SHALL NOT BE INSTALLED UNLESS PERMITTED BY CODE.
B. ABOVE GRADE SANITARY/STORM SEWER AND VENT MATERIAL SHALL BE AS FOLLOWS:
   1. NO-HUB CAST IRON PIPE CISPI 1-301-78.
   2. PVC-DWV PLASTIC ASTMD1785 WITH ASTM D2665 DWV SOLVENT WELD SOCKET FITTINGS.
C. SITE STORM AND SANITARY SEWERS
   1. UP TO 15" - PVC PLASTIC ASTM D3034 SDR 35 WITH ASTM D3212 GASKET JOINTS.

4.4 DOMESTIC WATER PIPING
A. INSTALL DOMESTIC WATER PIPING AS INDICATED ON DRAWINGS. INCLUDE ALL FITTINGS, VALVES, HANGERS AND OTHER ACCESSORIES INCLUDING WATER METER AND BACKFLOW PREVENTER. EXTEND DOMESTIC WATER PIPING TO ALL FIXTURES AND EQUIPMENT REQUIRED FOR COMPLETE INSTALLATION.
B. INCLUDE UNIONS, OR OTHER DISCONNECT MEANS, STOPS OR VALVES FOR ISOLATION OF FIXTURES AND EQUIPMENT. VALVES TO BE FULLY COMPATIBLE WITH PIPING FOR SERVICE INTENDED AS MANUFACTURED BY NIBCO, CRANE OR MILWAUKEE. INCLUDE HOSE OR DRAIN VALVES AT LOW POINTS WHERE FIXTURES CANNOT BE USED FOR DRAINAGE.
C. PROVIDE WATER HAMMER ARRESTERS OF TYPE REQUIRED FOR FIXTURES AND WATER PRESSURES. THESE SHALL BE ASSE 1010 OR PDI-WH201, PISTON TYPE WITH PRESSURIZED METAL-TUBE CUSHIONING CHAMBER AS MANUFACTURED BY SIOUX CHIEF, AMTROL, JOSAM OR ZURN HANGERS ON INSULATED PIPE TO BE OUTSIDE OF INSULATION, SIZED ACCORDINGLY AND WITH A SUFFICIENT SADDLE TO PROTECT INSULATION.
D. DOMESTIC WATER PIPING SHALL BE AS FOLLOWS:
   1. ABOVE GRADE:
      a. 1-1/2" NPS AND LARGER- TYPE "L" HARD COPPER ASTM B88-832 WITH WROUGHT COPPER FITTINGS ASTM B16.22 1980 AND NON-LEAD OR ANTIMONY SOLDER JOINTS.
      b. 1-1/4" NPS AND SMALLER - PEX TUBING PER ASTM F877 STANDARD GRADE HYDROSTATIC PRESSURE RATINGS 200°F AT 80 PSI.
   2. BELOW GRADE - PEX PIPING WITHOUT JOINTS. PROVIDE CPVC CONDUIT.
   3. FLUSH, VENT AND SANITIZE ALL WATER PIPING WITH CHLORINE AS REQUIRED PER AWWA, LOCAL BUILDING DEPARTMENT AND HEALTH DEPARTMENT CODES.
   4. DOMESTIC HOT AND COLD WATER PIPING UNDER CONCRETE FLOOR TO BE COVERED WITH 6" OF SAND SO THAT PIPING WILL NOT BECOME EMBEDDED IN THE FLOOR SLAB.
E. ALL PIPING UNDER CONCRETE FLOOR SHALL BE PEX, CONTINUOUS. NO SPLICES OR FITTINGS WILL BE ALLOWED. PROVIDE CPVC CONDUITS FOR ALL UNDERSLAB PIPING.

4.5 CONDENSATE DRAIN PIPING
A. INSTALL SCH 40 PVC CONDENSATE PIPING AT A MINIMUM 1% DOWNWARD SLOPE IN THE DIRECTION OF FLOW UNLESS OTHERWISE INDICATED.

4.6 STRAINERS
A. INSTALL SCH 40 PVC CONDENSATE PIPING AT A MINIMUM 1% DOWNWARD SLOPE IN THE DIRECTION OF FLOW UNLESS OTHERWISE INDICATED.

4.7 PRESSURE REGULATORS
A. WATER PRESSURE REDUCING VALVE SHALL HAVE AN INITIAL WORKING PRESSURE OF 150 PSI WITH AN ADJ OUT PRESSURE SETTING. VALVES 2" AND SMALLER SHALL BE OF BRONZE BODY WITH THREADED CONNECTIONS.

4.8 BACKFLOW PREVENTER.
A. DOUBLE CHECK BACKFLOW PREVENTION ASSEMBLY SHALL CONSIST OF TWO POSITIVE SEATING CHECK MODULES WITH CAPTURED SPRINGS AND RUBBER SEAT DISCS THAT ARE REPLACEABLE. IT SHALL HAVE A LOW PRESSURE DROP. BACKFLOW PREVENTER SHALL REQUIRE NO SPECIAL TOOLS FOR SERVICING. IT SHALL BE A CAST BRONZE BODY CONSTRUCTION FROM 1/2"-2" AND FUSED EPOXY COATED CAST IRON BODY FOR 2-1/2" - 3".

4.9 PIPE SUPPORTS
A. .PIPE SUPPORTS FOR HOT WATER PIPE SHALL BE ANVIL FIG. 181 OR EQUAL.
B. PIPE SUPPORTS FOR NATURAL GAS SHALL BE ANVIL FIG. 260 OR EQUAL

5. PLUMBING SYSTEMS AND EQUIPMENT

5.1 GENERAL
A. CONTRACTORS SHALL VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH ALL CONDITIONS AFFECTING THEIR WORK.
B. VERIFY EXACT CONDITIONS IN FIELD AND COORDINATE WITH THESE DRAWINGS AND OTHER TRADES BEFORE BEGINNING NEW WORK.
C. DETERMINE EXACT LOCATIONS FOR ALL EQUIPMENT, PIPING, CONDUITS AND DUCTWORK IN FIELD.
D. COORDINATE WORK OF THIS CONTRACT WITH OTHER TRADES. CONFLICTS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
E. ANY DISCREPANCIES BETWEEN WHAT IS SHOWN ON DRAWINGS OR SPECIFIED AND THE ACTUAL CONDITIONS IN THE FIELD SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER'S BEFORE PROCEEDING.
F. BUILDING AND SURFACES DAMAGED DURING INSTALLATION SHALL BE REPAIRED, REPLACED, AND/OR RESTORED TO ORIGINAL CONDITION AFTER COMPLETION OF WORK AND BEFORE ACCEPTANCE BY OWNER.

5.2 EQUIPMENT
A. PLUMBING CONTRACTOR IS TO FURNISH ALL PLUMBING EQUIPMENT INDICATED AND/OR SCHEDULED ON THE DRAWINGS COMPLETE WITH BASES, ISOLATORS, SUPPORTS AND OTHER REQUIRED ACCESSORIES.
B. INSTALL COMPLETE AND PLACE IN PROPER OPERATION PER MANUFACTURER'S RECOMMENDATIONS, LUBRICATE AND ADJUST AS REQUIRED.
C. EQUIPMENT TO BE MAKE AND MODEL AS SCHEDULED UNLESS ALTERNATE EQUIPMENT OF EQUIVALENT QUALITY AND PERFORMANCE IS SUBMITTED AS A SUBSTITUTION. ALL SUBSTITUTIONS ARE SUBJECT TO ACCEPTANCE WITHOUT QUALIFICATION BY OWNER, ENGINEER AND SITE ENGINEER.

6. PLUMBING INSTRUMENTS AND CONTROLS

6.1 GENERAL
A. AFTER INSTALLATION, CHECK ALL EQUIPMENT AND PERFORM START UP IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
B. ALL PIPING SHALL BE TESTED AND FREE OF LEAKS AS REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
C. WORK THAT IS SCHEDULED TO BE CONCEALED OR INSULATED SHALL REMAIN UNCOVERED UNTIL REQUIRED TESTS HAVE BEEN COMPLETED. IF THE CONSTRUCTION SCHEDULE REQUIRES, ARRANGE FOR TESTS ON SECTIONS AT A TIME.
D. BALANCE ALL SYSTEMS, CALIBRATE CONTROLS, CHECK FOR PROPER OPERATION AND SEQUENCE UNDER ALL CONDITIONS AND MAKE ALL NECESSARY ADJUSTMENTS.
E. INSTRUCT OWNER IN OPERATION OF SYSTEMS AND SUBMIT OPERATING AND MAINTENANCE MANUAL FOR ALL EQUIPMENT AND SYSTEMS.

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OWNER/CLIENT
FRIENDS OF ELMIRA CIVIL WAR PRISON CAMP

PROJECT
ELMIRA CIVIL WAR PRISON CAMP VISITOR CENTER
637-639 WINSOR AVE
ELMIRA, NY 14901

TITLE OF DRAWING
SPECIFICATIONS, SCHEDULE & NOTES

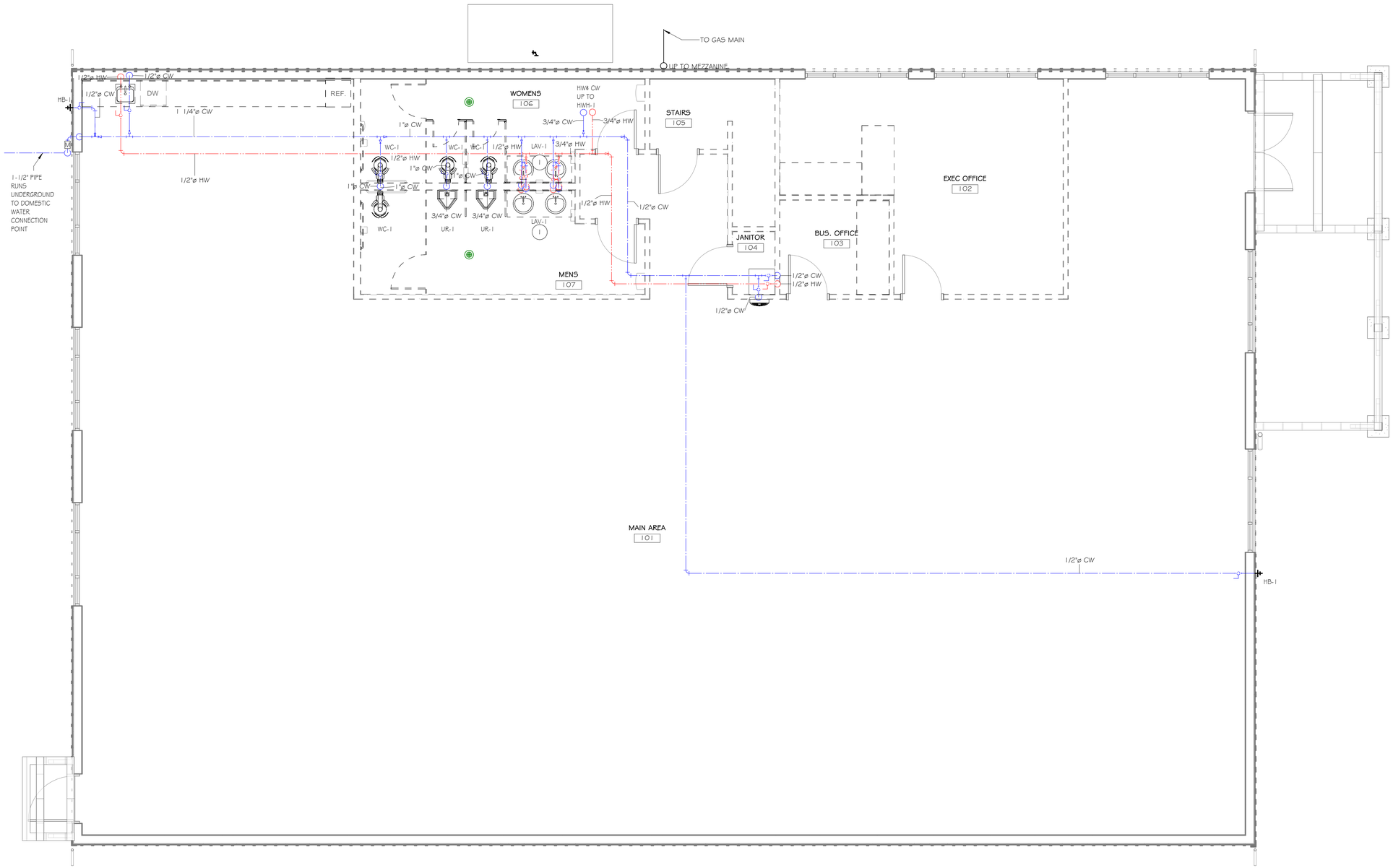
DRAWING SCALE
AS NOTED
ISSUE DATE:
01.05.26
PROJECT NO.
25-086
DRAWING NO.
P-1.0

PLUMBING KEYNOTES

1. EACH LAVATORY NEEDS SEPARATE 1/2" HW & CW DOMESTIC SERVICE CONNECTIONS

PLUMBING GENERAL NOTES

1. PLUMBING FIXTURES SHALL BE ALTERNATE #1
2. DOMESTIC SUPPLY PIPING SHALL BE BASE BID AND BE CAPPED IN PLACE FOR PLUMBING FIXTURE FUTURE INSTALLATION
3. DASHED LINES DENOTE FUTURE PHASE. UNDERSLAB PLUMBING SHALL BE INSTALLED IN THIS PHASE AND CAPPED.



1 FIRST FLOOR PLUMBING PLAN - DOMESTIC SUPPLY
1/4" = 1'-0"

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TITLE OF DRAWING
FIRST FLOOR PLUMBING PLAN - DOMESTIC SUPPLY PIPING

DRAWING SCALE
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PLUMBING GENERAL NOTES

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2. DOMESTIC SUPPLY PIPING SHALL BE BASE BID AND BE CAPPED IN PLACE FOR PLUMBING FIXTURE FUTURE INSTALLATION

1 FIRST FLOOR PLUMBING PLAN - SANITARY & VENT
1/4" = 1'-0"

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TITLE OF DRAWING
FIRST FLOOR PLUMBING PLAN - SANITARY & VENT PIPING

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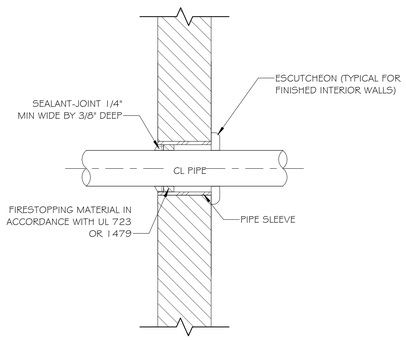
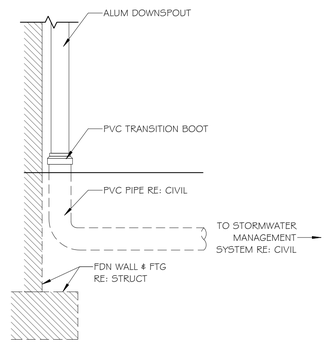


9 TYP. PIP PENETRATION THRU WALL DETAIL
N.T.S.



6 TYP. DOWNSPOUT DETAIL
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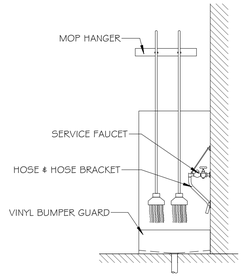

4 MOP SINK ELEVATION DETAIL
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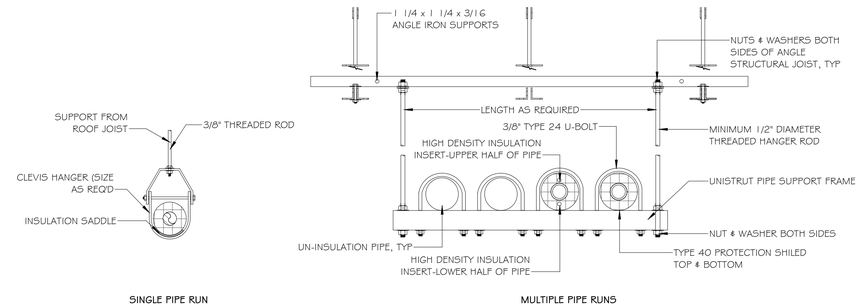

3 PIPE SUPPORT DETAILS
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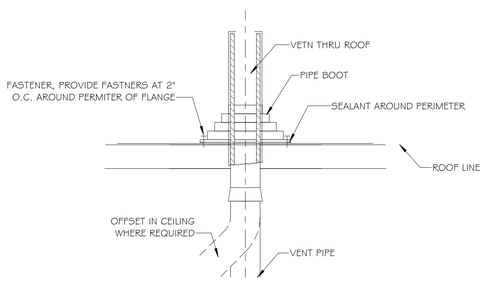

NOTE: CONTRACTOR SHALL INSTALL VENT WITH BOOT IN ACCORDANCE WITH ROOF MANUFACTURES INSTALLATION INSTRUCTIONS

7 ROOF VENT PENETRATIPN DETAIL
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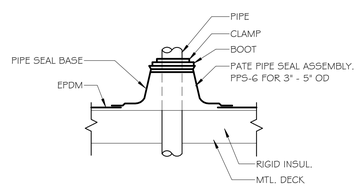

5 TYP. PIPE PENETRATION THRU ROOF DETAIL
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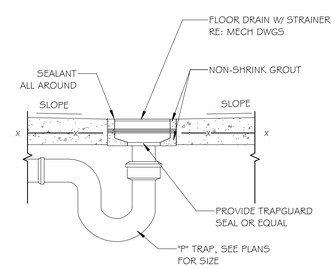

2 TYP. FLOOR DRAIN DETAIL
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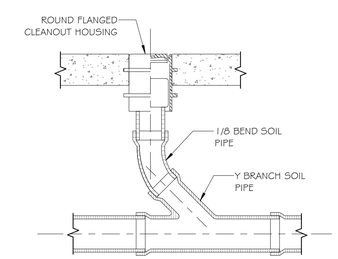

1 TYP. FLOOR CLEANOUT DETAIL
N.T.S.

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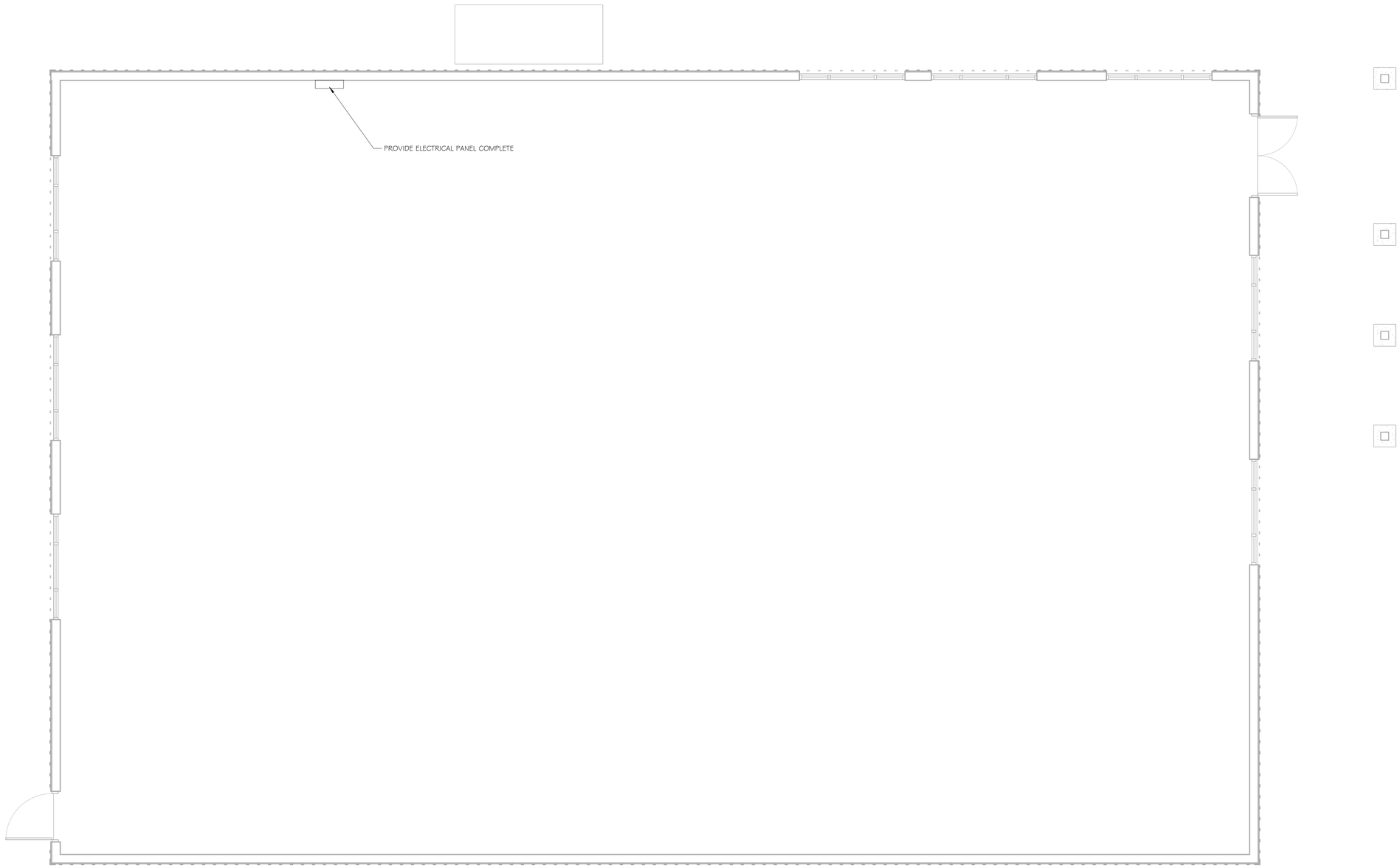

1 FIRST FLOOR ELECTRICAL POWER PLAN
1/4" = 1'-0"

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