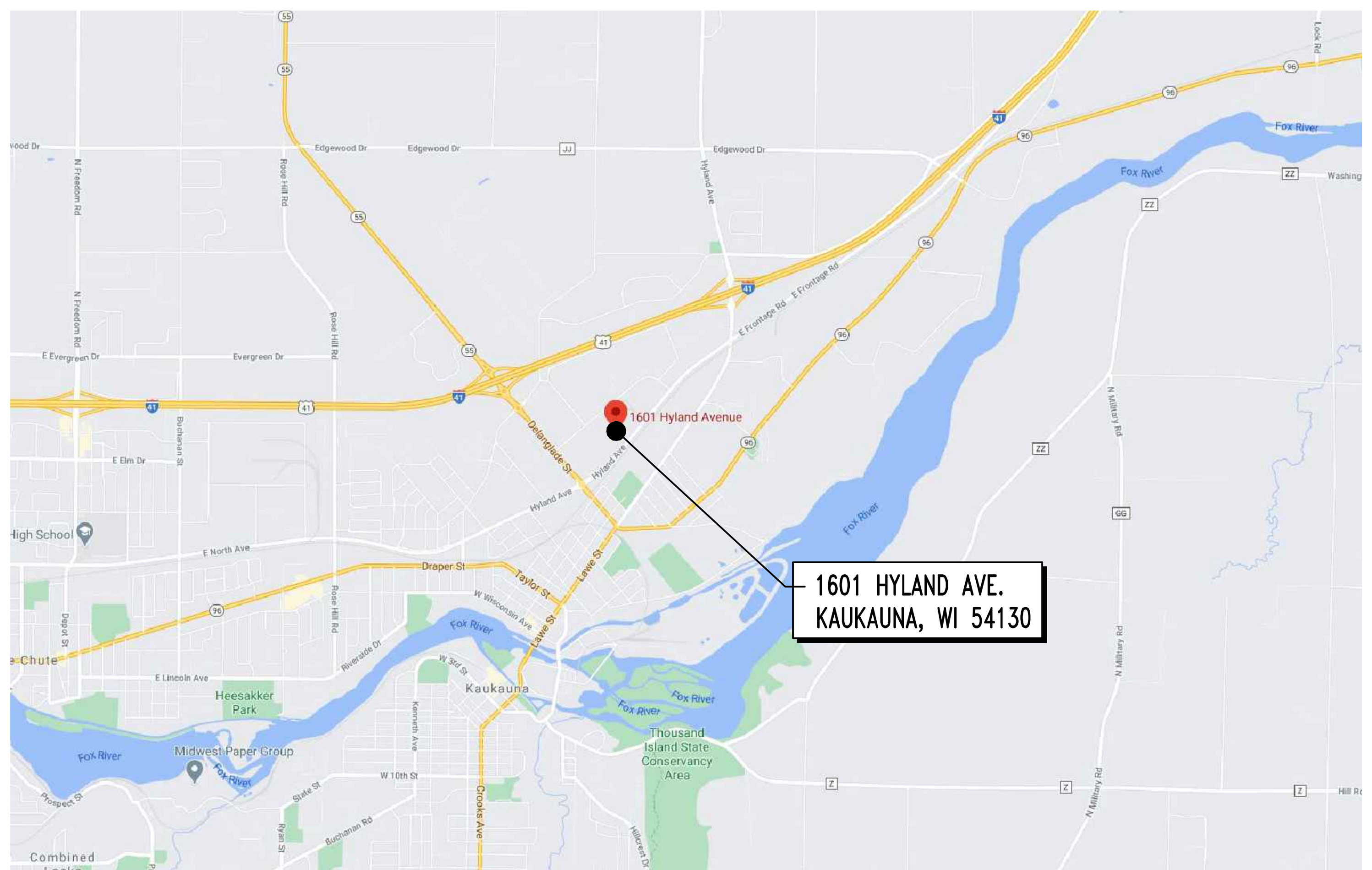
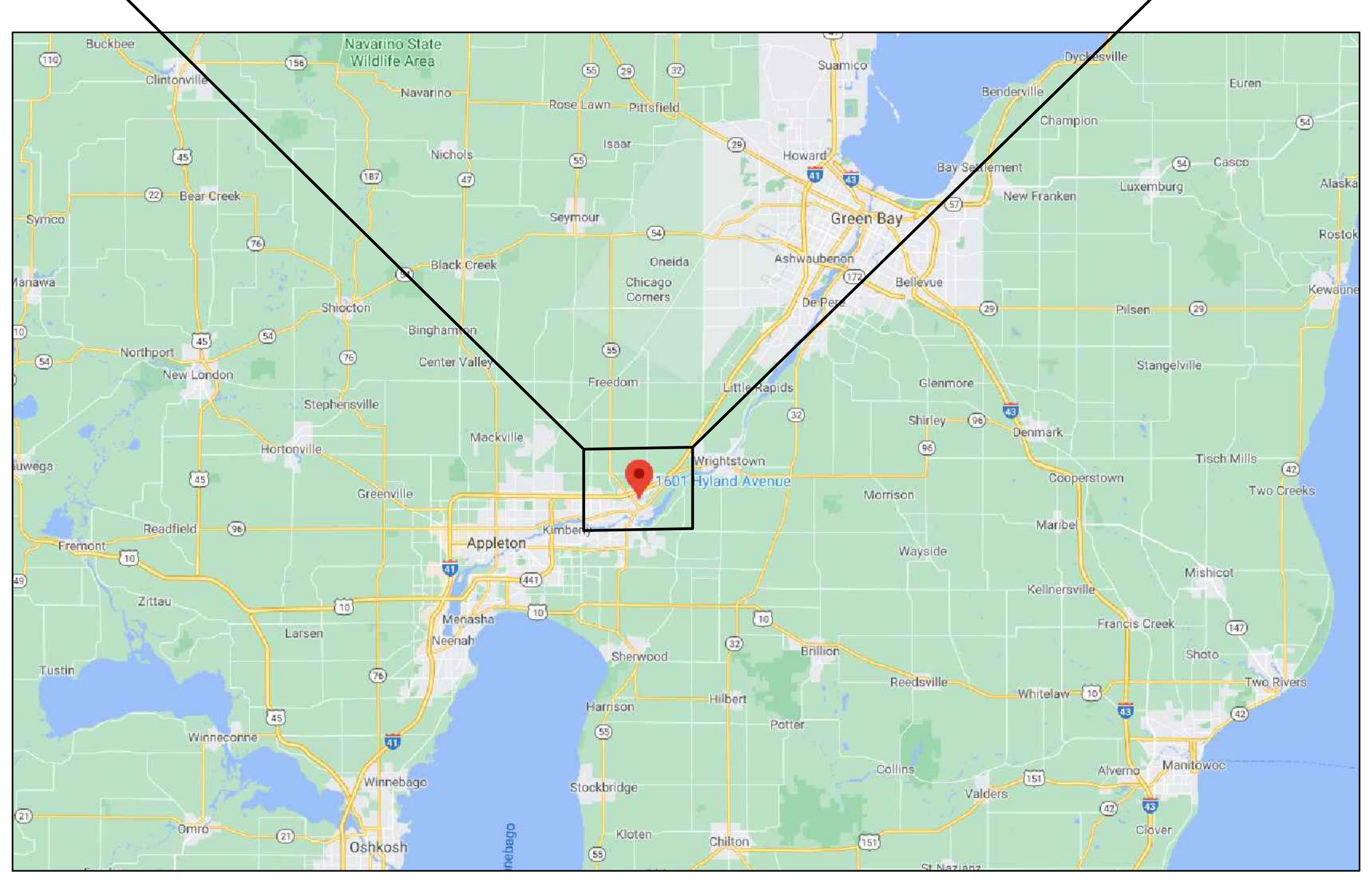
BERNATELLO'S PIZZA

WASTE WATER TREATMENT PLANT

1600 BADGER AVE, KAUKAUNA, WI 54130



NORTH
SITE LOCATION MAP
NOT TO SCALE

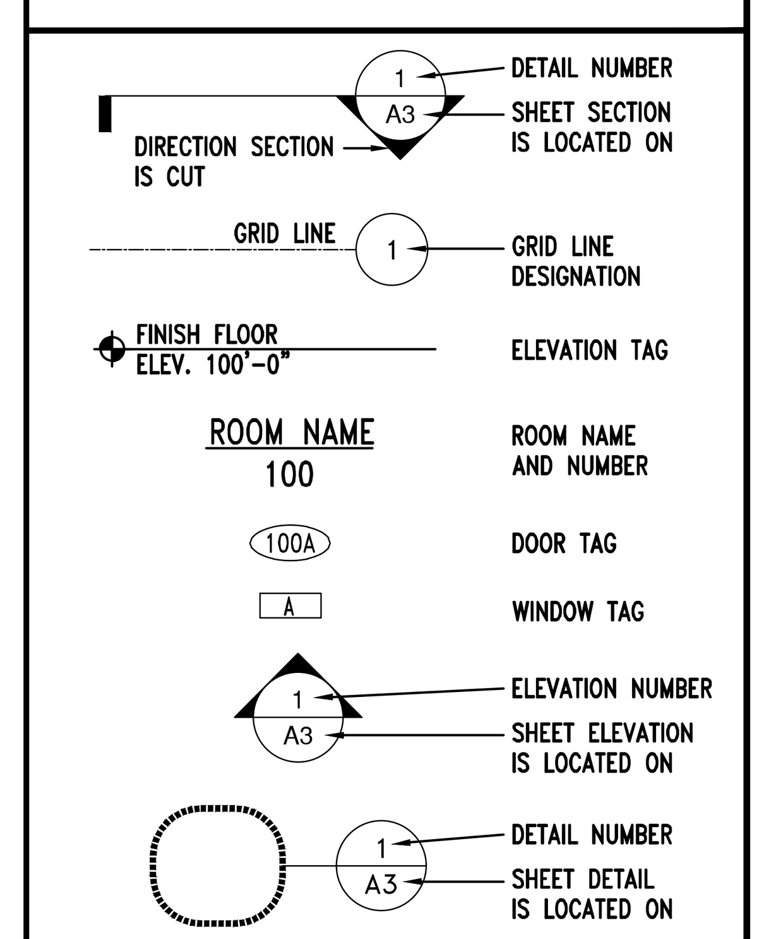


NORTH
SITE PROXIMITY MAP
NOT TO SCALE

NORTH
OVERALL SITE
NOT TO SCALE

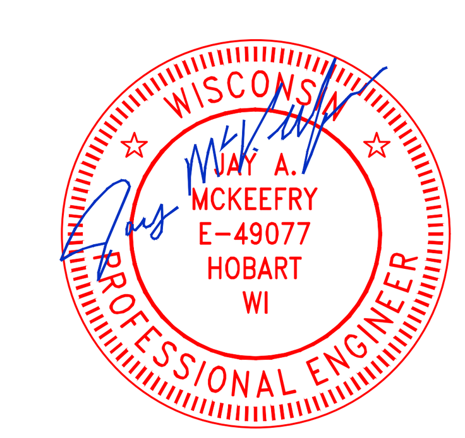
SHEET INDEX			
TS	SHEET INDEX, SYMBOLS KEY, SITE PLAN		
T2	PROPOSED SITE PLAN		
LS1	LIFE SAFETY PLAN		
A1	PROPOSED FLOOR PLAN, ROOF PLAN		
A3	EXTERIOR ELEVATIONS		
A4	BUILDING SECTION		
S1	STRUCTURAL NOTES & DETAILS, FOUNDATION PLAN		

SYMBOLS



PROJECT SCOPE:

- RELOCATING EXISTING STORAGE SHED FROM NORTHWEST CORNER OF EXISTING BERNATELLO'S LOT TO THE SOUTHWEST
- POUR NEW CONCRETE FOOTINGS & FROST WALLS
- INSTALL RELOCATED STRUCTURE ON NEW FOUNDATION WALL 16" ABOVE GROUND LEVEL FOR A HIGHER INTERIOR CLEAR SPACE
- SOME OVERHEAD DOORS TO BE INCREASED IN SIZE
- PART OF THE BUILDING TO BE USED AS WASTE WATER TREATMENT PLANT FOR BERNATELLO'S PROCESS WASTE



PLAN DEVELOPMENT LOG

SET DESCRIPTION	DATE	PAGES INVOLVED WITH PLAN DEVELOPMENT SET
PLAN DEVELOPMENT SET #1	4-29-21	TS, C1, A1, A2
PLAN DEVELOPMENT SET #2	5-13-21	TS, C1, A1, A2
PLAN DEVELOPMENT SET #3	8-30-21	TS, C1, A1, A3, A4
PLAN DEVELOPMENT SET #4	10-1-21	TS, C1, A1, A3, A4
PLAN DEVELOPMENT SET #5	10-12-21	TS, C1, A1, A3, A4, S1
PLAN DEVELOPMENT SET #6 (STATE)	9-19-22	TS, T2, LS1, A1, A3, A4, S1

DESIGN / BUILD
GENERAL CONTRACTING
STEEL FABRICATION
BUTLER® METAL BUILDINGS
Schuh CONSTRUCTION, INC.
Established 1976
N9351 Isaar Road, Seymour, WI 54165 / T.920.833.6465 / F.920.833.2158 / www.schuhconstruction.com

PROJECT:
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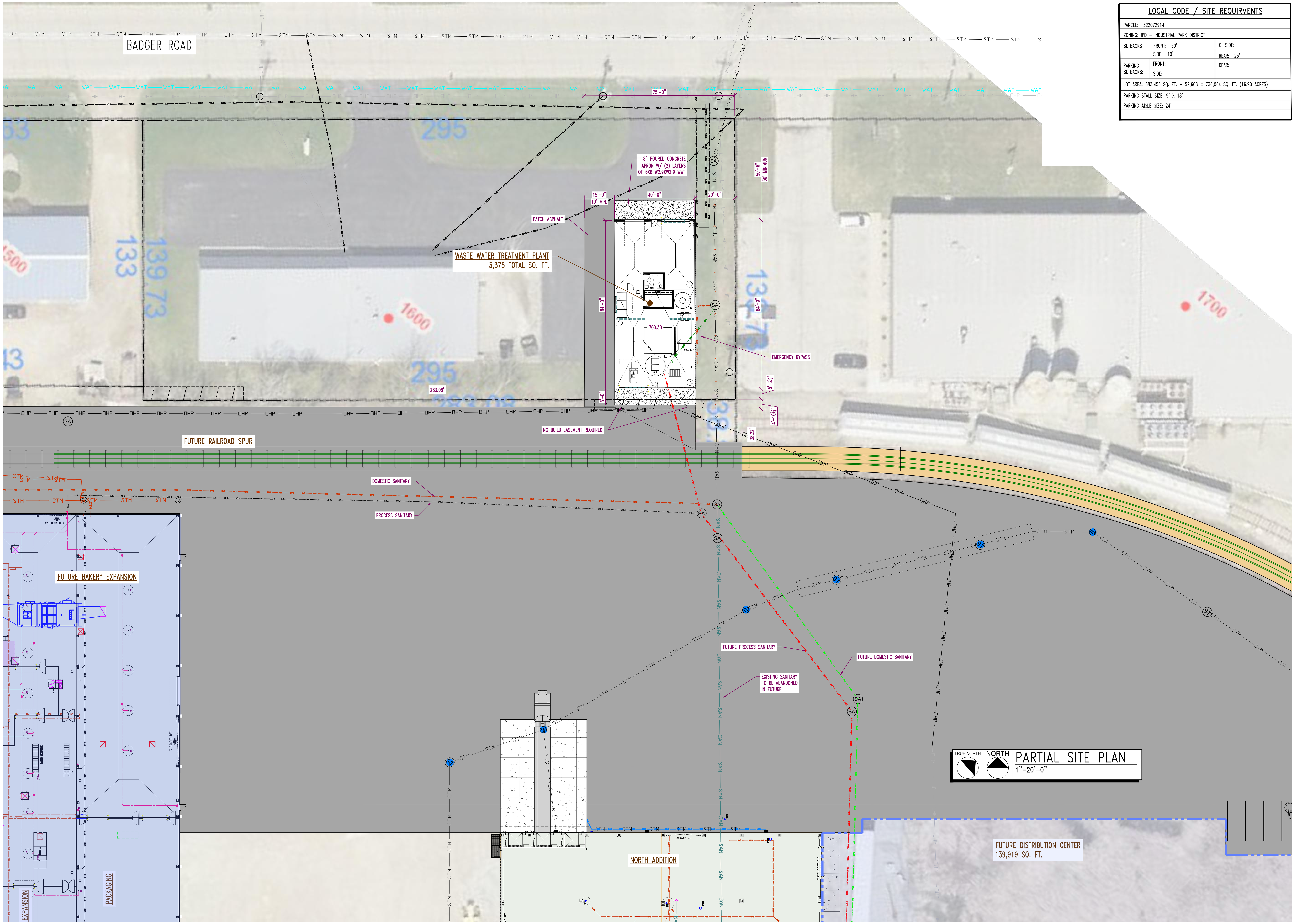
1600 BADGER AVE.
KAUKAUNA, WI 54130

PROJECT NO.:
22-023

SHEET NO.:
TS

LOCAL CODE / SITE REQUIRMENTS

PARCEL: 322072914		
ZONING: IPD – INDUSTRIAL PARK DISTRICT		
SETBACKS –	FRONT: 50'	C. SIDE:
	SIDE: 10'	REAR: 25'
PARKING SETBACKS:	FRONT:	REAR:
	SIDE:	
LOT AREA: 683,456 SQ. FT. + 52,608 = 736,064 SQ. FT. (16.90 ACRES)		
PARKING STALL SIZE: 9' X 18'		
PARKING AISLE SIZE: 24'		



TRUE NORTH NORTH

PARTIAL SITE PLAN
1"=20'-0"

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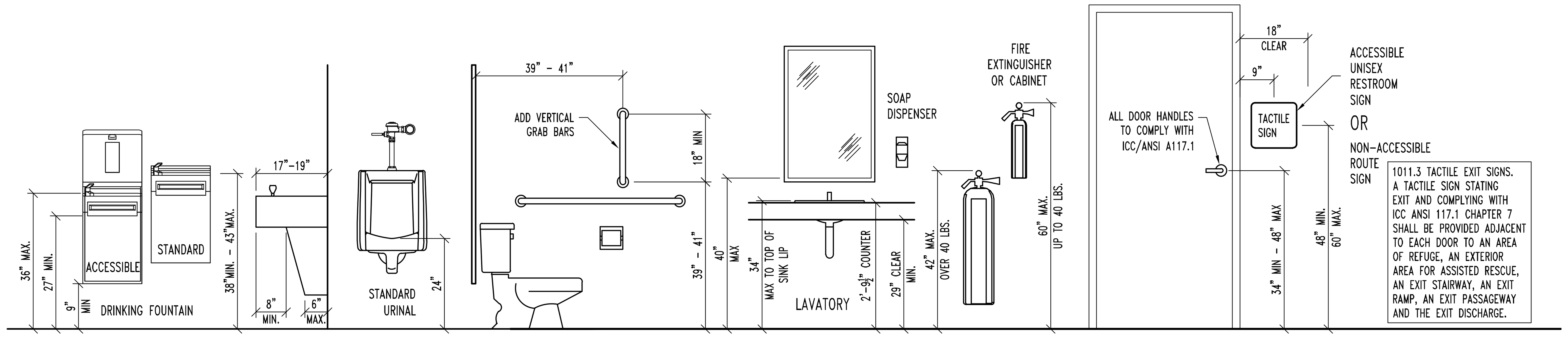
PROJECT NO.: 22-023

SHEET NO.: T2



ACCESSIBLE FIXTURE MOUNTING HEIGHTS
1/2" = 1'-0"

CHEMICAL STORED ON SITE IS A WATER TREATMENT POLYMER NAME "IMPACT 2357"
THIS MATERIAL IS NOT HAZARDOUS PER IBC AND THERE WILL BE ABOUT 3,000 GALLONS ON SITE

BUILDING 1
PROPOSED BUILDING
BUILDING TYPE VB
(3,375 SQ. FT.)

OCCUPANCY - F1/S1
WWTP / STORAGE

Table 503 (S1) =
8,500 SQ. FT.

8,500 SQ. FT. > 3,375 SQ. FT.

BUILDING AREA OK

BUILDING CODE REQUIREMENTS

BUILDING TYPE / SIZE REQUIREMENTS
BUILDING OCCUPANCY CHAPTER 3 = (F-1) MODERATE HAZARD FACTORY
(S-1) MODERATE HAZARD STORAGE
CLASS OF CONSTRUCTION = VB ANY ALLOWABLE MATERIAL

BUILDING HEIGHT LIMITATIONS
BUILDING HEIGHT O.K. (40' ALLOWABLE)

BUILDING AREA LIMITATIONS
TABLE 503 AREA – (F-1) 1,870 SQ. FT .
TOTAL ALLOWABLE AREA 8,500 SQ. FT.
8,500 SQ. FT. > 3,375 SQ. FT **AREA OK**

AUTOMATIC SPRINKLER SYSTEMS:
NO SPRINKLING REQUIRED (AS PER 903.2)
FIRE AREA < 12,000 SQ. FT.

FIRE RESISTANCE CONSTRUCTION
GREATER THAN 10'-0" FIRE SEPARATION DISTANCE
NO EXTERIOR WALL RATING REQUIRED

EGRESS LIGHTING
EXIT LIGHTS REQUIRED PER 1008.2
MEANS OF EGRESS ILLUMINATION TO BE PROVIDED PER 1006
= MIN 1 FOOT CANDLE AVE
EMERGENCY POWER SHALL BE PROVIDED PER 1008.3.5

BUILDING ACCESS / EGRESS INFORMATION
(F-1) 1,996 / 300 SQ. FT. PER OCCUPANT = 7 OCCUPANTS
BUILDING IS MAINLY UNOCCUPIED AS IT WILL BE FOR WASTE WATER TREATMENT
(S-1) 1,409 / 500 SQ. FT. PER OCCUPANT = 3 OCCUPANTS
EXIT WIDTH PER OCCUPANT – 0.3" PER OCC. STAIRS / 0.2" PER OCC. OTHER
TOTAL EXIT WIDTH REQUIRED – 2 TOTAL EXITS (MIN)
COMMON PATH OF EGRESS – GROUP F-1 = 75'-0" **PER 1006.3.1**
GROUP S-1 = 100'-0" **PER 1006.3.1**
EXIT ACCESS DISTANCE – GROUP F-1 = 200'-0" **PER 1017.2** (W/OUT SPRINKLER)
GROUP S-1 = 200'-0" **PER 1017.2** (W/OUT SPRINKLER)

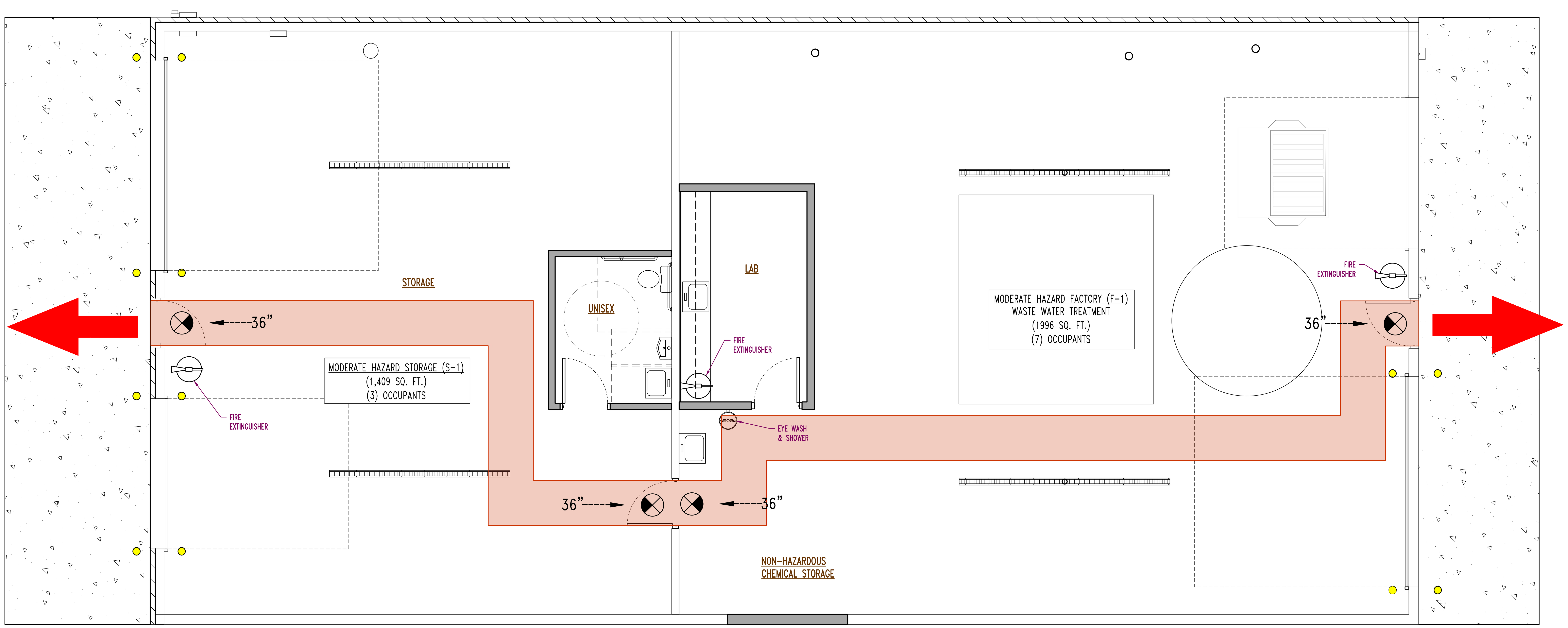
SANITARY FACILITIES – PER OCCUPANCY
(1) UNISEX PROVIDED (MAX OCCUPANCY OF 10)

FIRE EXTINGUISHERS
TYPE OF BUILDING HAZARD – MODERATE
TYPE OF EXTINGUISHER REQUIRED – ABC
MAXIMUM TRAVEL DISTANCE – 75'
NUMBER OF EXTINGUISHERS REQUIRED – (3) LOCATION TO BE VERIFIED AT TIME OF INSTALLATION

ACCESSIBILITY
PER 1109 (13)(A) CONTROLS, OPERATING MECHANISMS AND HARDWARE INTENDED FOR OPERATION BY THE OCCUPANT, INCLUDING SWITCHES THAT CONTROL LIGHTING AND VENTILATION, AND ELECTRICAL CONVENIENCE OUTLETS, IN ACCESSIBLE SPACES SHALL BE ACCESSIBLE IN COMPLIANCE WITH ICC/ANSI A117.1

DRAWING LEGEND:
- NEW EXIT SIGN
- XX" ACCESSIBLE ROUTE W/ WIDTH
- FIRE EXTINGUISHER
- 5' ROUND WHEELCHAIR TURNING SPACE
- FLOOR SPACE WHERE EMERGENCY LIGHTING IS NEEDED
  - **MINIMUM (1) FOOTCANDLE REQUIRED**

  MEANS OF EGRESS ILLUMINATION TO BE PROVIDED PER 1003.2.11
  EMERGENCY POWER SHALL BE PROVIDED PER 1003.2.11.2



NORTH
LIFE SAFETY PLAN
1/4"=1'-0"

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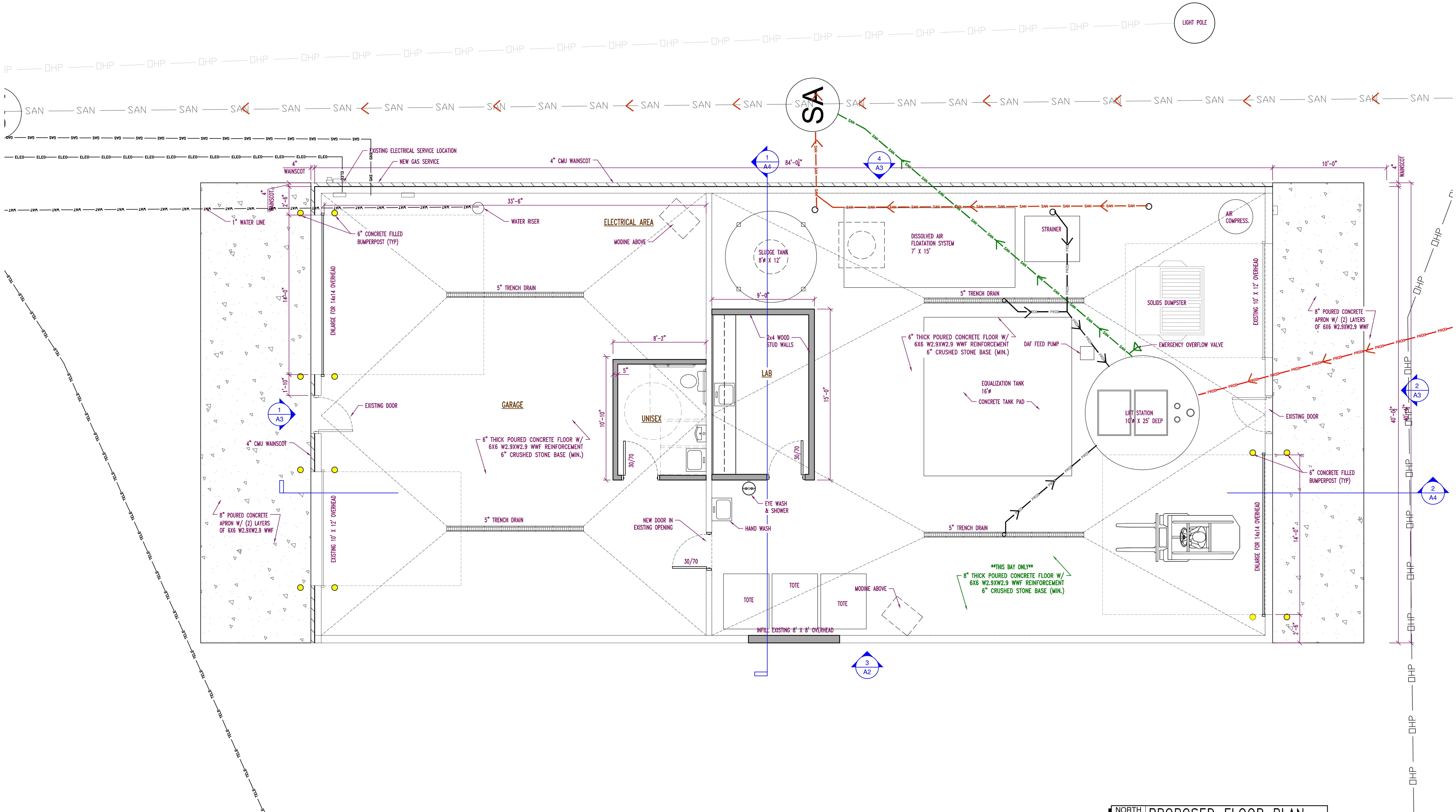
SHEET NO.:
LS1



NORTH
PROPOSED FLOOR PLAN
1/4"=1'-0"

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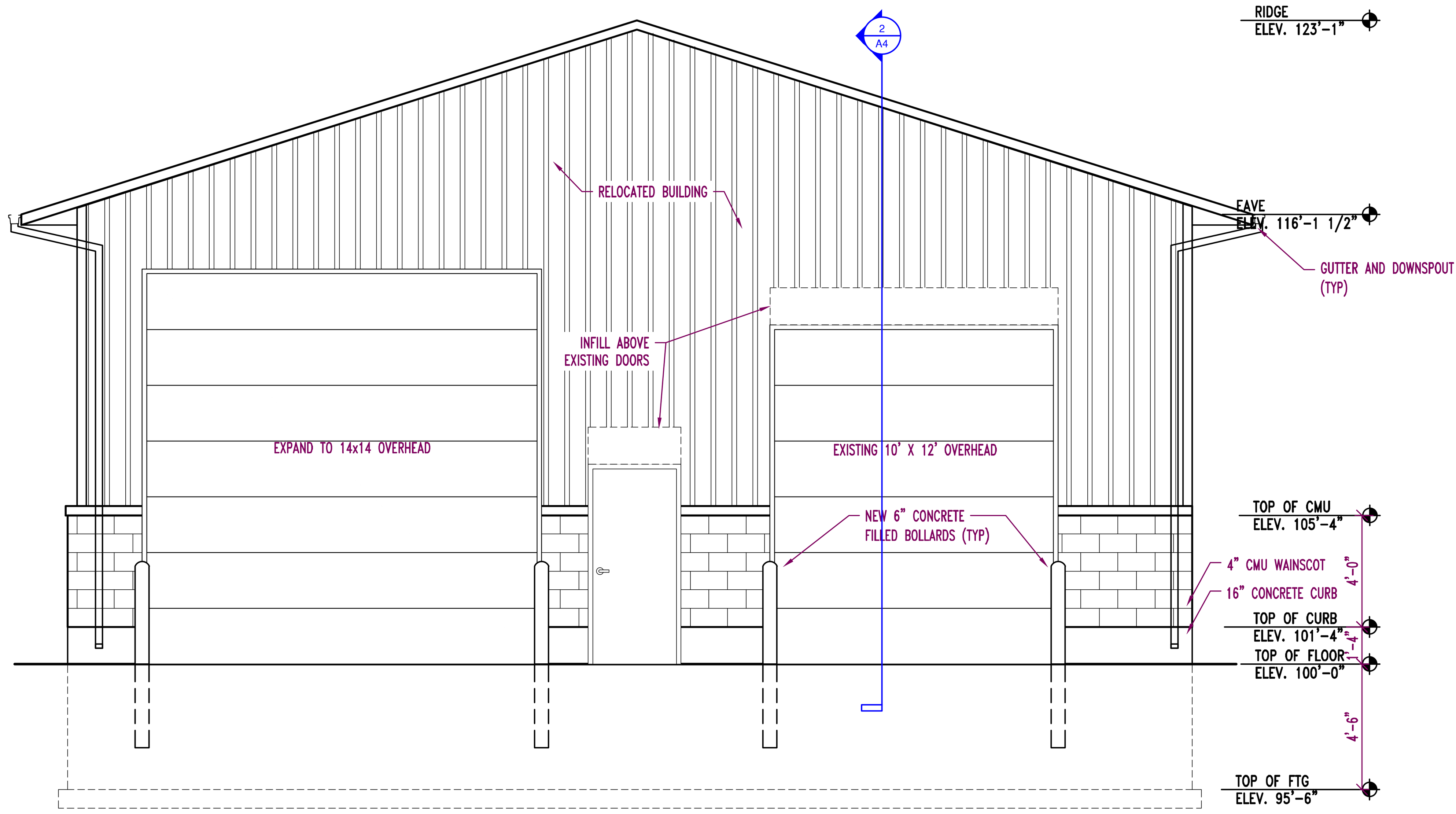
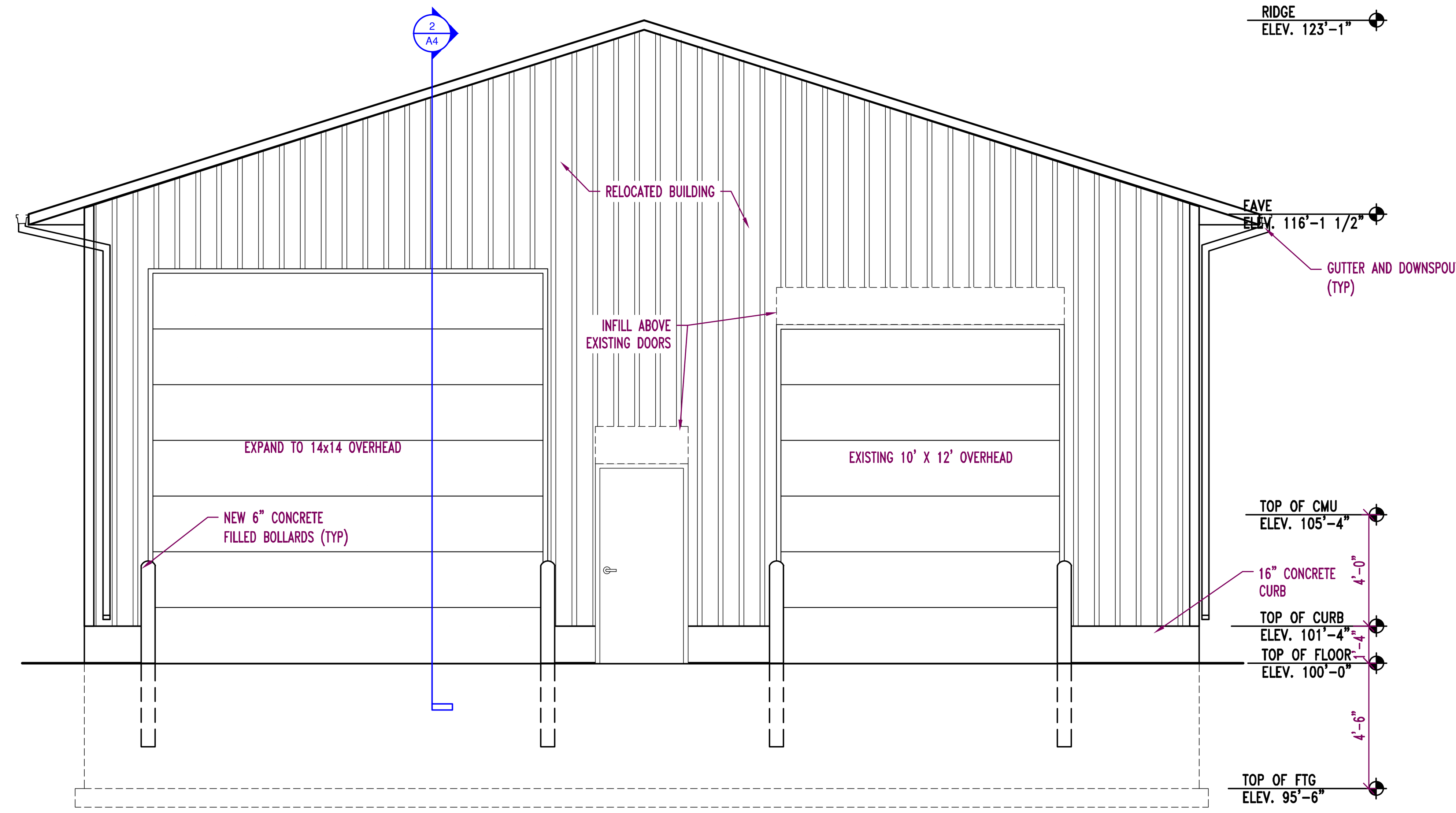
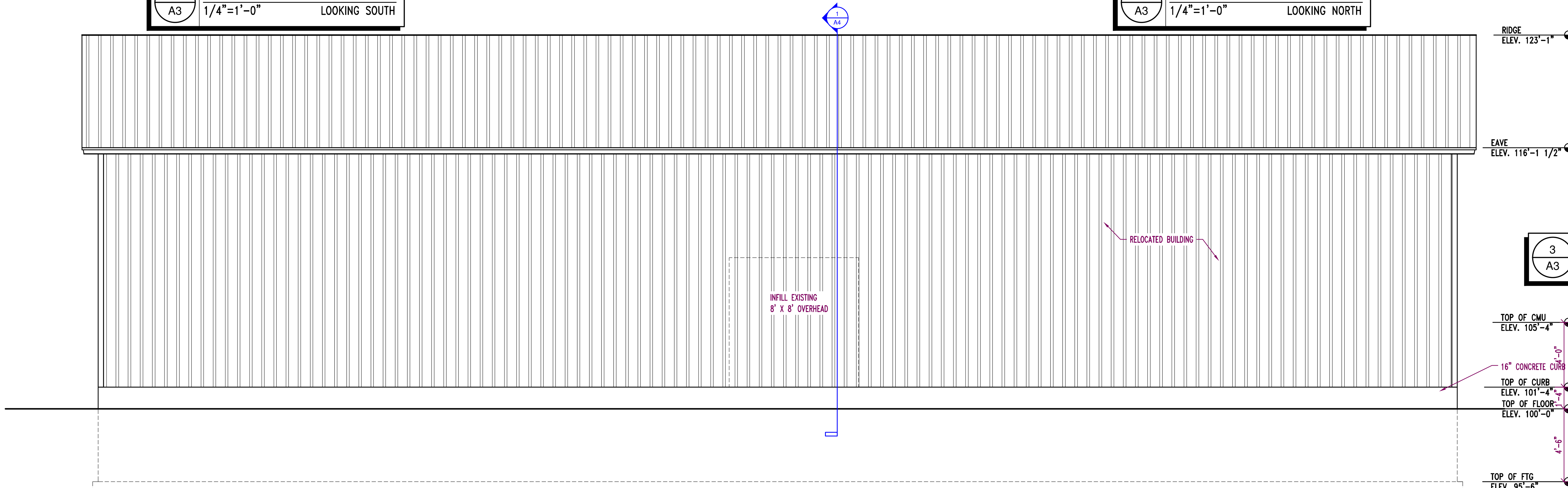
A1



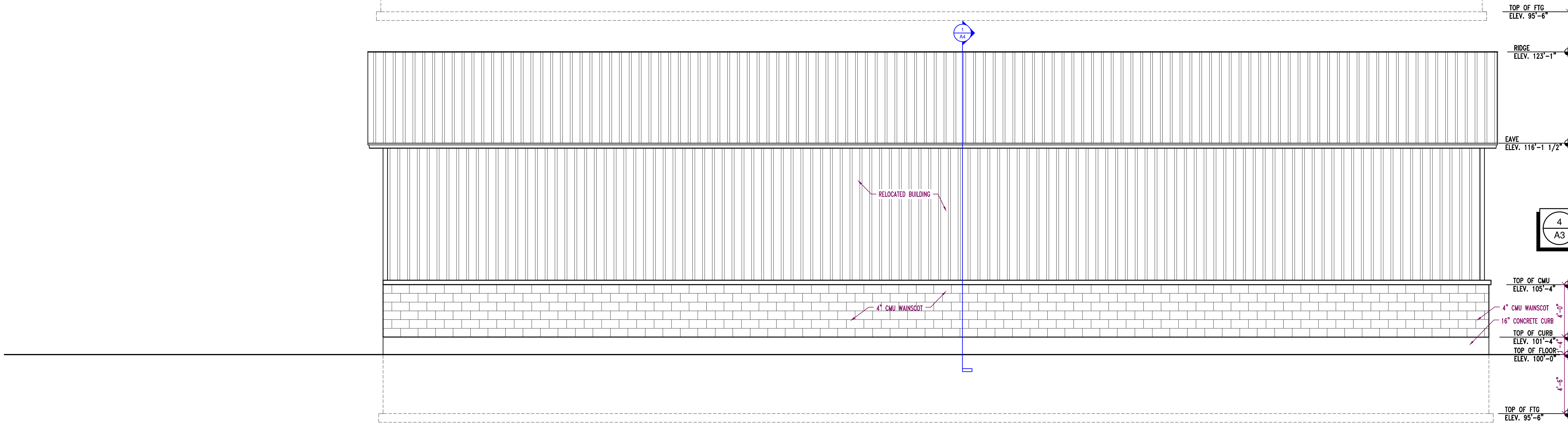
1 A3 NORTH ELEVATION 1/4"=1'-0" LOOKING SOUTH



2 A3 SOUTH ELEVATION 1/4"=1'-0" LOOKING NORTH



3 A3 WEST ELEVATION 1/4"=1'-0" LOOKING EAST



4 A3 EAST ELEVATION 1/4"=1'-0" LOOKING WEST

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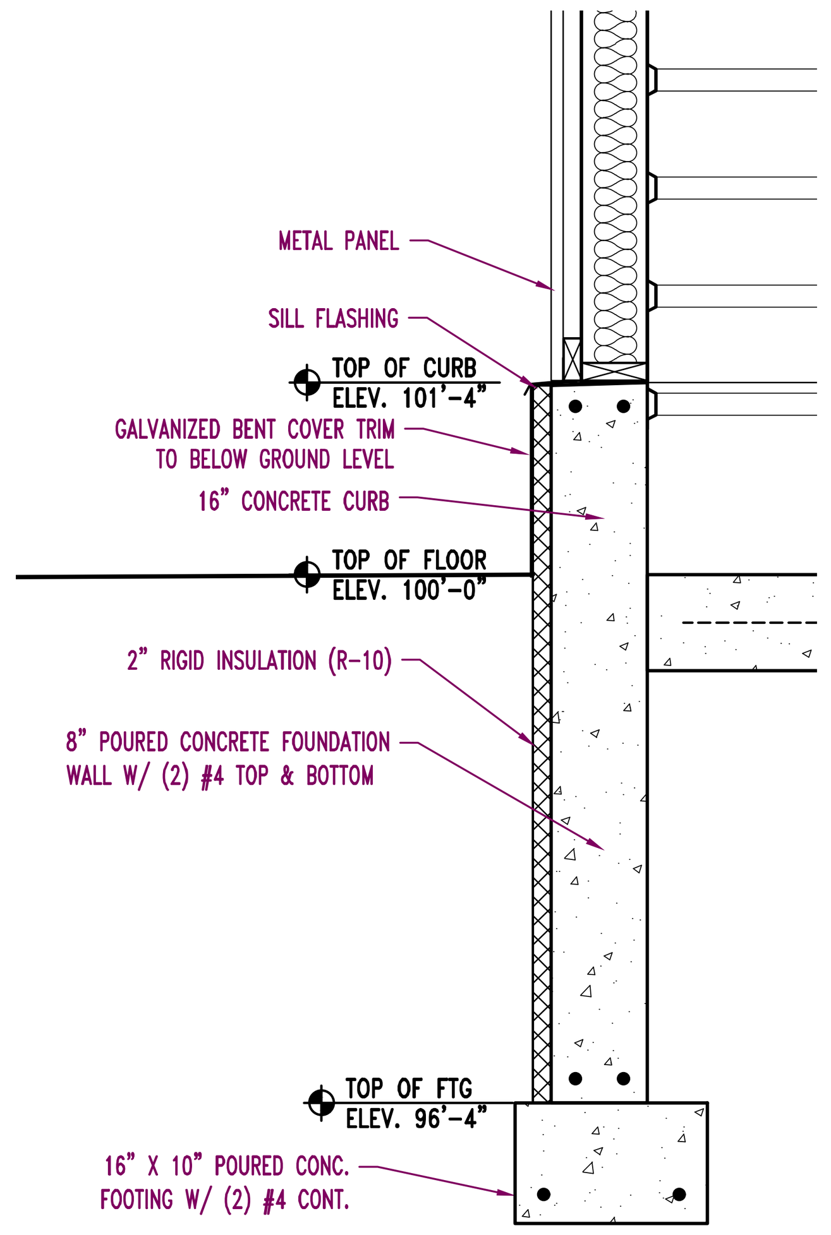
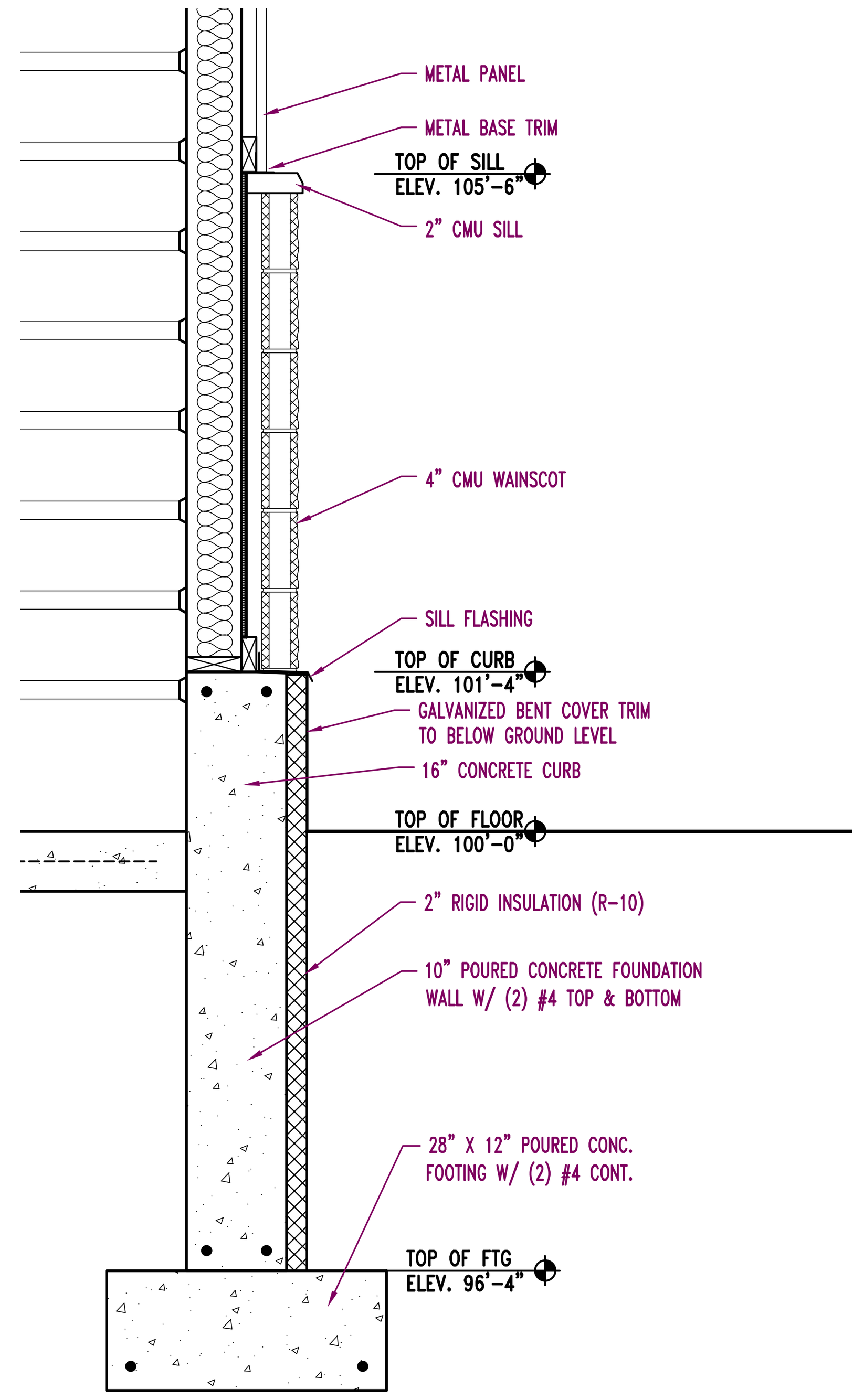
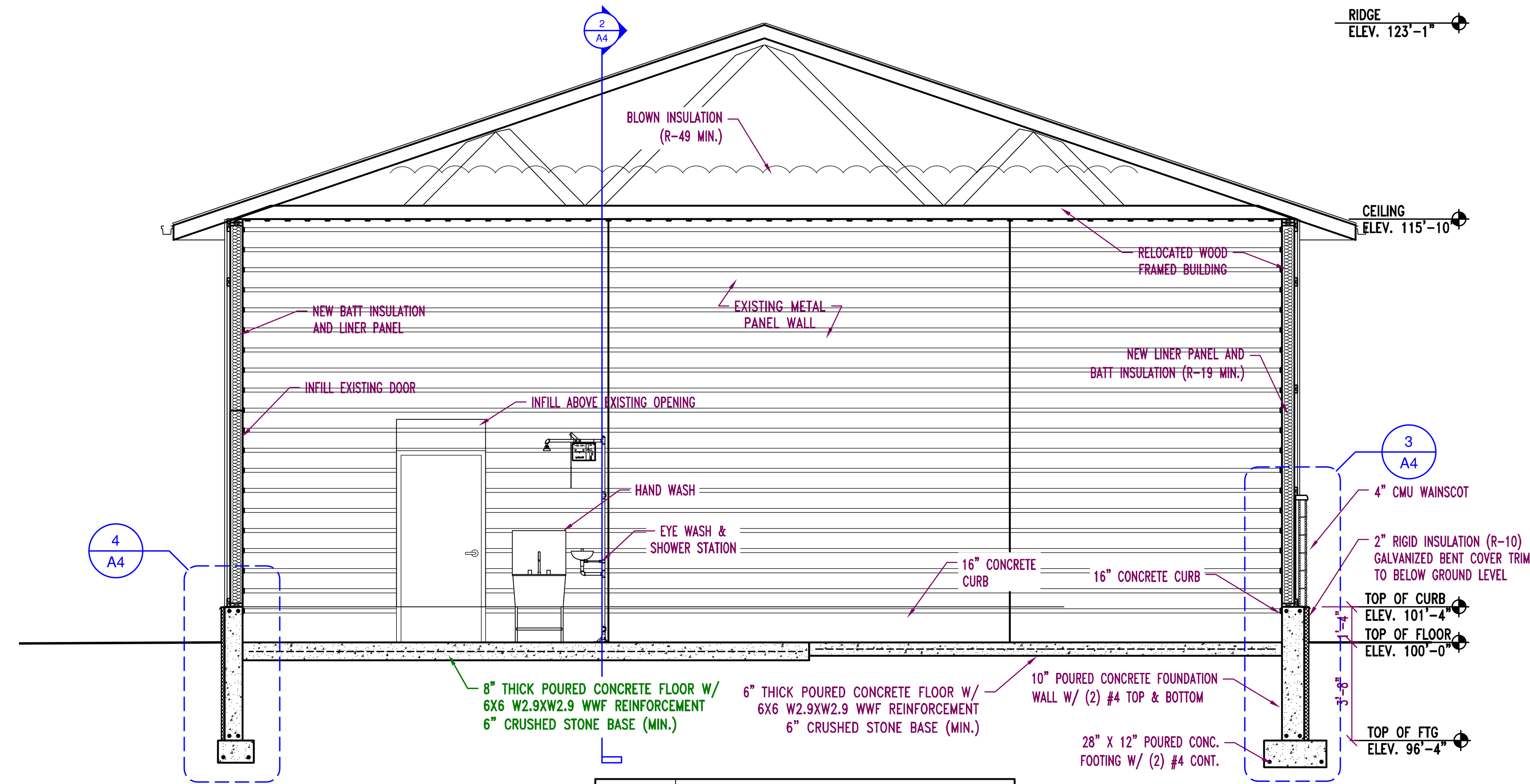
SHEET NO.:
A3



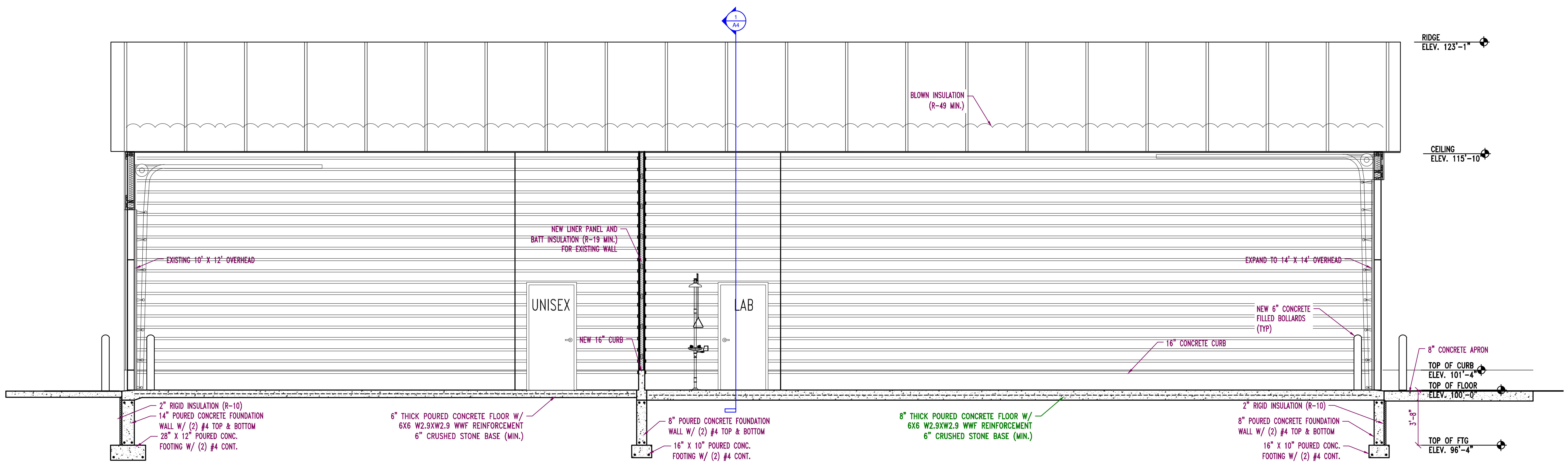
4 A4 WALL SECTION 1/2"=1'-0"



3 A4 WALL SECTION 3/4"=1'-0"



1 A4 BUIILDING SECTION 1/4"=1'-0"



2 A4 BUIILDING SECTION 1/4"=1'-0"

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A4

STRUCTURAL SPECIFICATIONS

DESIGN CODE:

1. COMPLY WITH WISCONSIN BUILDING CODE, LATEST EDITION.

DESIGN LOADS:

1.	COLLATERAL LOAD:	ROOF	– 5 PSF (MECHANICALS)
2.	SNOW LOAD:	GROUND SNOW LOAD	– 40 PSF (OUTAGAMIE)
		ROOF SNOW LOAD	– 28 PSF
		SNOW EXPOSURE FACTOR	– 1.0
		SNOW IMPORTANCE FACTOR	– 1.0
		THERMAL FACTOR	– 1.0
3.	WIND:	BASIC WIND SPEED	– 115 MPH
		IMPORTANCE FACTOR	– 1.0
		WIND EXPOSURE	– B
4.	SEISMIC:	SEISMIC USE GROUP A	
		SDS	– 10%
		SD1	– 4%
		SITE CLASS	– D
5.	DEFLECTION LIMITS	WALLS (EIFS)	= L/240
		WALLS (METAL PANEL)	= L/180
		ROOF (METAL BUILDING OR JOISTS)	= L/240 (LIVE)

FOUNDATIONS:

1. ALLOWABLE SOIL PRESSURE IS PRESUMED AT 2,000 P.S.F.
2. REMOVE UNSATISFACTORY SOILS TO AN ELEVATION WHERE SATISFACTORY SOIL IS ENCOUNTERED. REPLACE UNSATISFACTORY SOIL W/ EITHER COMPACTED STRUCTURAL FILL OR CONCRETE SLURRY.
3. PLACE FOUNDATION CONCRETE ON CLEAN FIRM BEARING SOILS MATERIAL.
4. WALL FOOTINGS ARE CENTERED ON WALLS (U.N.O.) COLUMN FOOTINGS ARE CENTERED ON COLUMNS (U.N.O.)
5. MINIMUM DEPTH TO ALL EXTERIOR FOOTINGS SHALL BE 4'-0".
6. INSTALL 1 1/2" THICK RIGID INSULATION VERTICALLY AT ALL EXTERIOR FOUNDATION LOCATIONS.
7. CONTRACTOR WILL CONSULT WITH LOCAL AUTHORITIES PRIOR TO EXCAVATION TO LOCATE UNDERGROUND GAS, SEWER, WATER, AND ELECTRICAL OBSTACLES.
8. STRUCTURAL FILL
   - USE – ALL BACKFILL WITHIN 5'-0" OF THE BUILDING LINES.
   - TYPE – PREDOMINANTLY WELL GRADED MATERIAL WITH 100% PASSING THE 3" SIEVE, 70–100% PASSING THE #4 SIEVE AND LESS THAN 15% PASSING THE #200 SIEVE.
   - COMPACTION – 95% MODIFIED PROCTOR (ASTM: D1557) PLACED IN LIFTS NOT TO EXCEED 8".
9. IN AREAS OF COMPACTED FILL WITHIN THE BUILDING LINES, BACKFILLING AGAINST BOTH SIDES OF WALLS SHALL BE DONE AT THE SAME RATE TO PREVENT STRESS AND OVERTURNING OF FOUNDATION WALLS.
10. ALL EARTHWORK WITH ON-SITE MATERIALS SHOULD BE PERFORMED WHEN TEMPERATURES ARE ABOVE FREEZING. FROZEN SOIL SHOULD NOT BE USED BENEATH STRUCTURES. ALL FOUNDATION EXCAVATION MUST BE INSULATED AGAINST FREEZING UNTIL CONSTRUCTION OF FOUNDATION IS COMPLETE.
11. SOILS THAT BECOME RUTTED OR DISTURBED BY CONSTRUCTION VEHICLES WILL BE UNSUITABLE FOR SUPPORTING FOUNDATION AND CONCRETE SLABS. THE SOILS SHALL BE REMOVED AND REPLACED WITH IMPORTED GRANULAR FILL.

SLAB ON GRADE:

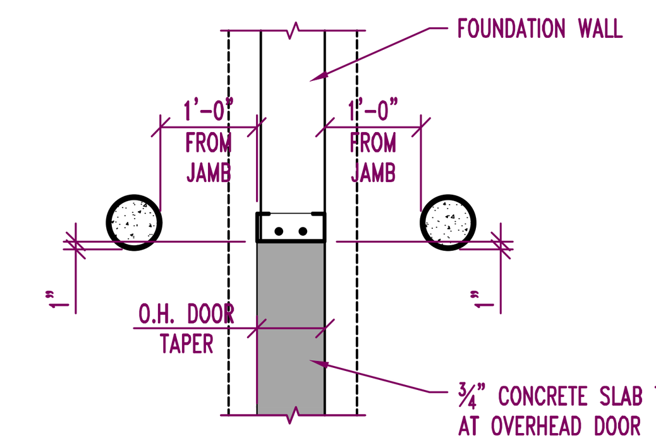
1. PROVIDE 6" OF CLEAN, WELL GRADED GRANULAR MATERIAL BELOW ALL CAST-IN-PLACE CONCRETE ON GRADE INSIDE THE BUILDING.
2. PROVIDE CONSTRUCTION JOINTS AND SAWCUT JOINTS. SAWED JOINTS IN SLAB SHALL BE MADE WITHIN 18 HOURS AFTER PLACING CONCRETE OR EARLIER IF CONCRETE STRENGTH PERMITS.
3. SLABS SHALL BE PITCHED TO FLOW TO FLOOR DRAINS WHERE THEY OCCUR 1/8" PER FOOT MINIMUM PITCH.
4. INTERIOR FLOOR SLABS SHALL BE PROTECTED FROM COLD WEATHER IN ACCORDANCE WITH ACI 318.
5. PROVIDE 30# FELT BOND BREAK BETWEEN CONCRETE SLAB EDGE & VERTICAL CONCRETE AND/OR MASONRY SURFACES AT INSIDE OF BUILDING.
6. PROVIDE 1/2" THICK EXPANSION JOINT MATERIAL WHERE CONCRETE SLAB ABUTS VERTICAL SURFACES AT BUILDING EXTERIOR.
7. CONCRETE CAN BE NON-AIR ENTRAINED FOR INTERIOR SLABS, PROVIDED CONCRETE IS PROTECTED FROM COLD WEATHER, EXCEPT WHERE NO FINISH FLOOR IS SUPPLIED.

CONCRETE:

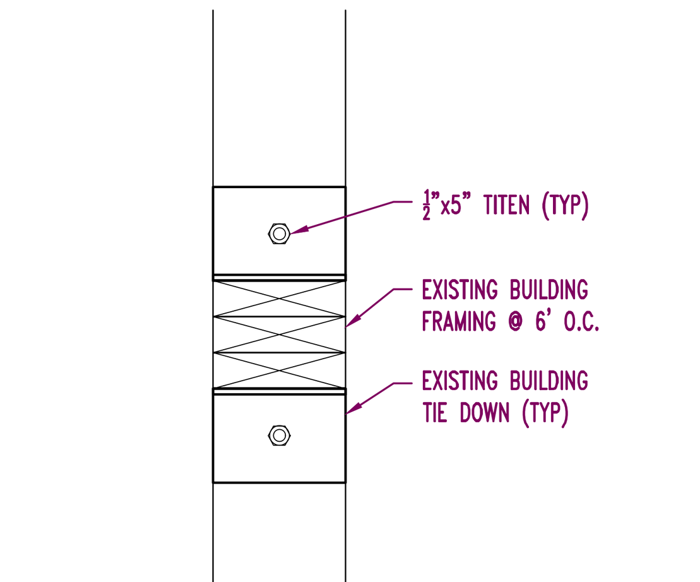
1. CONCRETE AND ITS PLACEMENT SHALL BE IN ACCORDANCE WITH ACI 318 AND ACI 301 EXCEPT AS MODIFIED IN THESE SPECIFICATIONS. PROTECT ALL CONCRETE IN ACCORDANCE WITH ACI STANDARDS FOR HOT, COLD WEATHER CONCRETING.
2. STANDARD WEIGHT CONCRETE SHALL COMPLY WITH THE FOLLOWING:
   - A. MINIMUM COMPRESSIVE STRENGTH (AT 28 DAYS):
     - FOOTINGS & WALLS – 3,000 PSI
     - SLAB ON GRADE – 4,000 PSI
     - CONC. TOPPING – 4,000 PSI
   - B. MAXIMUM WATER/CEMENT RATIO – .45 AIR ENTRAINED – .52 (NON-AIR ENTRAINED)
   - C. AGGREGATE SIZE – FOOTINGS 12" THICK OR GREATER 1 1/2" – ALL OTHER CONCRETE 3/4"
   - D. TOTAL AIR CONTENT – 6% ± 1 1/2% – 3/4" AGGREGATE – 5% ± 1 1/2% – 1 1/2" AGGREGATE
   - E. MAX SLUMP – 3"
   - F. REINFORCING BARS: PROVIDE DEFORMED BARS COMPLYING WITH ASTM A615 GRADE 60.
   - G. WELDED WIRE FABRIC: ASTM A185, COLD DRAWN STEEL PLAIN.
3. CONCRETE COVERAGE FOR REINFORCING (U.N.O.):
   - A. UNFORMED CONCRETE IN CONTACT WITH EARTH = 3"
   - B. FORMED CONCRETE IN CONTACT WITH EARTH = 2"
   - C. OTHER CONCRETE = 1 1/2"
4. SPLICES IN REINFORCING SHALL BE AS FOLLOWS:
   - A. REINFORCING STEEL – 38 BAR DIAMETERS
   - B. WELDED WIRE FABRIC – MESH SPACE +2".
5. LOCATE SPLICES AT POINT OF MINIMUM STRESS. WELDED SPLICES ARE NOT PERMITTED.
6. COMPLY WITH ACI 301. POSITION, SUPPORT AND SECURE REINFORCEMENT AGAINST DISPLACEMENT, LOCATE AND SUPPORT WITH METAL CHAIRS, RUNNERS, BOLSTERS, SPACERS, AND HANGERS, AS REQUIRED. SET WIRE TIES SO ENDS ARE DIRECTED INTO CONCRETE, NOT TOWARD EXPOSED CONCRETE SURFACES.
7. PROVIDE BENT CORNER BARS TO MATCH AND LAP HORIZONTAL BARS AT CORNERS AND INTERSECTIONS OF WALLS AND FOOTING.
8. CONCRETE CAN ONLY BE PLACED ON A FROST-FREE SUBGRADE
9. MECHANICALLY VIBRATE ALL CONCRETE.
10. ALL CAST-IN-PLACE CONCRETE SHALL BE PROTECTED AGAINST RAPID DRYING.

MASONRY:

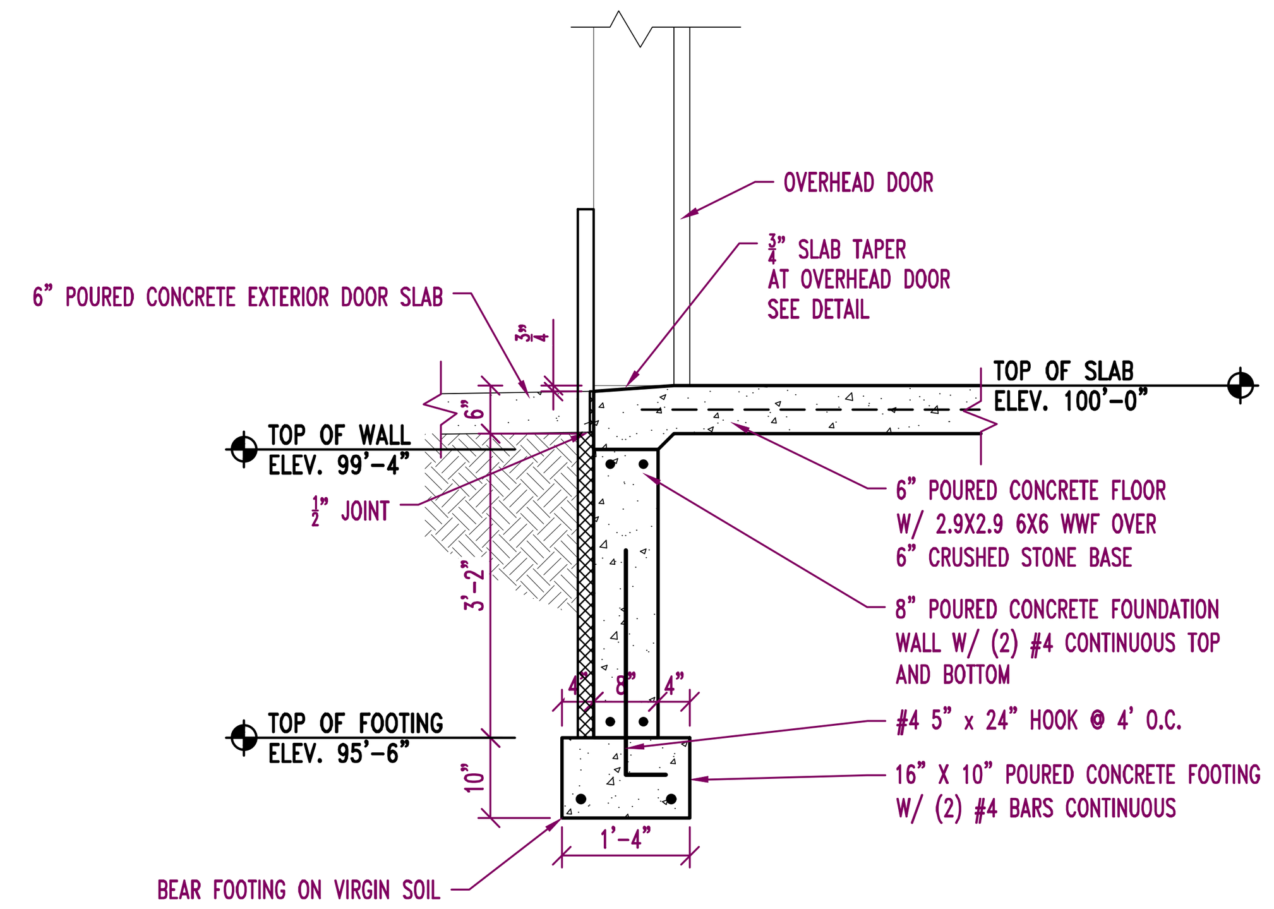
1. STANDARDS: COMPLY WITH RECOMMENDATIONS OF BRICK INSTITUTE OF AMERICA (BIA), AND NATIONAL CONCRETE MASONRY ASSOCIATION (NCMA).
2. MASONRY SHALL COMPLY WITH THE FOLLOWING:
   - A. COMPRESSIVE STRENGTH – 1,500 PSI
   - B. GROUT – 3,000 PSI
   - C. MORTAR – TYPE S = 2,000 PSI ABOVE GRADE.
   - D. MORTAR – TYPE M = 2,500 PSI BELOW GRADE.
   - E. REINFORCING BARS – ASTM A615, GRADE 60.
3. SPECIAL SHAPES: PROVIDE SPECIAL BLOCK TYPES WHERE REQUIRED FOR CORNERS, CONTROL JOINTS, HEADERS, LINTELS AND OTHER SPECIAL CONDITIONS.
4. JOINT REINFORCEMENT – NEW MASONRY WALLS TO BE REINFORCED WITH 9 GAUGE DUR-O-WAL EVERY OTHER BLOCK COURSE.
5. LAP SPLICES IN MASONRY 48 BAR DIA.
6. ALL MASONRY SHALL BE LAID PLUMB, TRUE TO LINE, AND WITH LEVEL COURSES.
7. VERTICAL MASONRY CONTROL JOINT LOCATIONS
   GUIDELINES: LOCATE FIRST JOINT 10'-0" FROM EACH CORNER AND 22'-0" MAX. SPACING ON CENTER BETWEEN JOINTS. DO NOT LOCATE JOINTS AT WINDOWS OR DOORS.
8. MAXIMUM GROUT LIFT WITHOUT CLEAN-OUTS = 4'-0".
   MAXIMUM GROUT LIFT WITH CLEAN-OUTS = 8'-0".
9. SEE PLANS FOR REQUIRED FIRE RATINGS.
10. CHECK ELECTRICAL PLANS TO LOCATE ANY ELECTRICAL CONDUIT TO BE INSTALLED IN MASONRY CORE.
11. FULL MORTAR BED JOINTS ARE REQUIRED, TYPICAL.
12. ON EXTERIOR WALLS, PROVIDE WEEP HOLES TO THE EXTERIOR ABOVE LINTELS AND AT BOTTOM OF WALL.
13. ALL VERTICAL REINFORCING SHALL BE CONTINUOUSLY GROUTED IN CELLS (BAR CENTERED IN CORE).



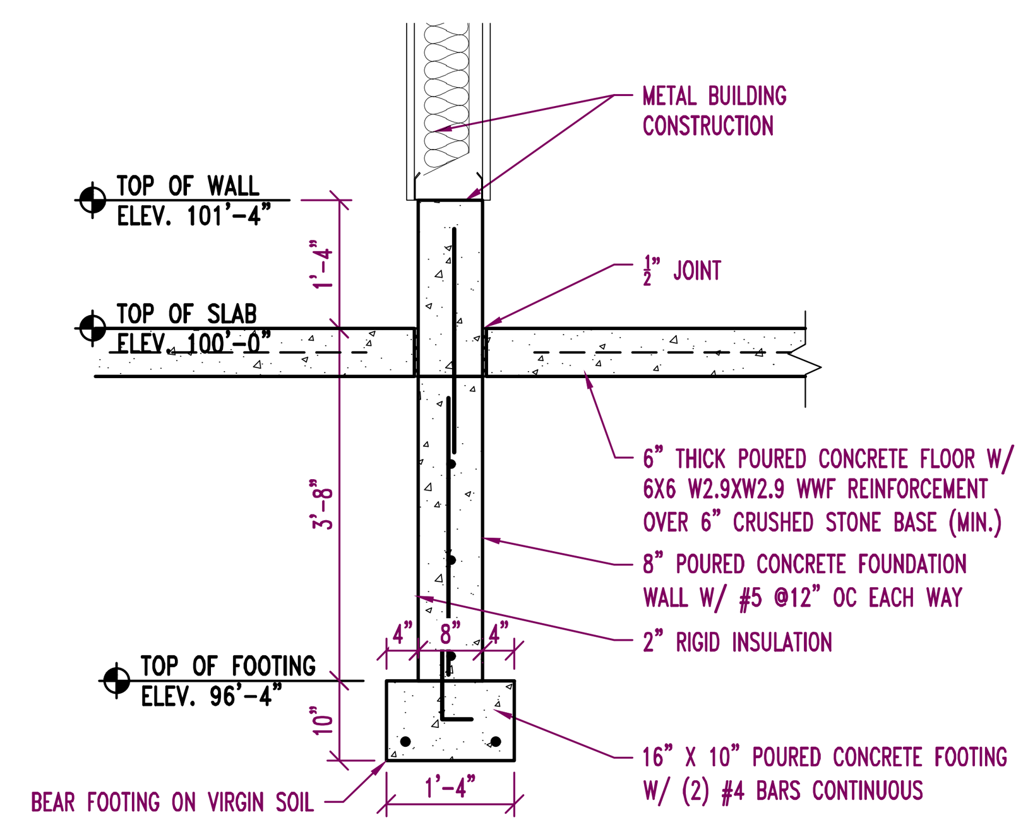
1 S1 BUMPERPOST PLAN DETAIL 1/2"=1'-0"



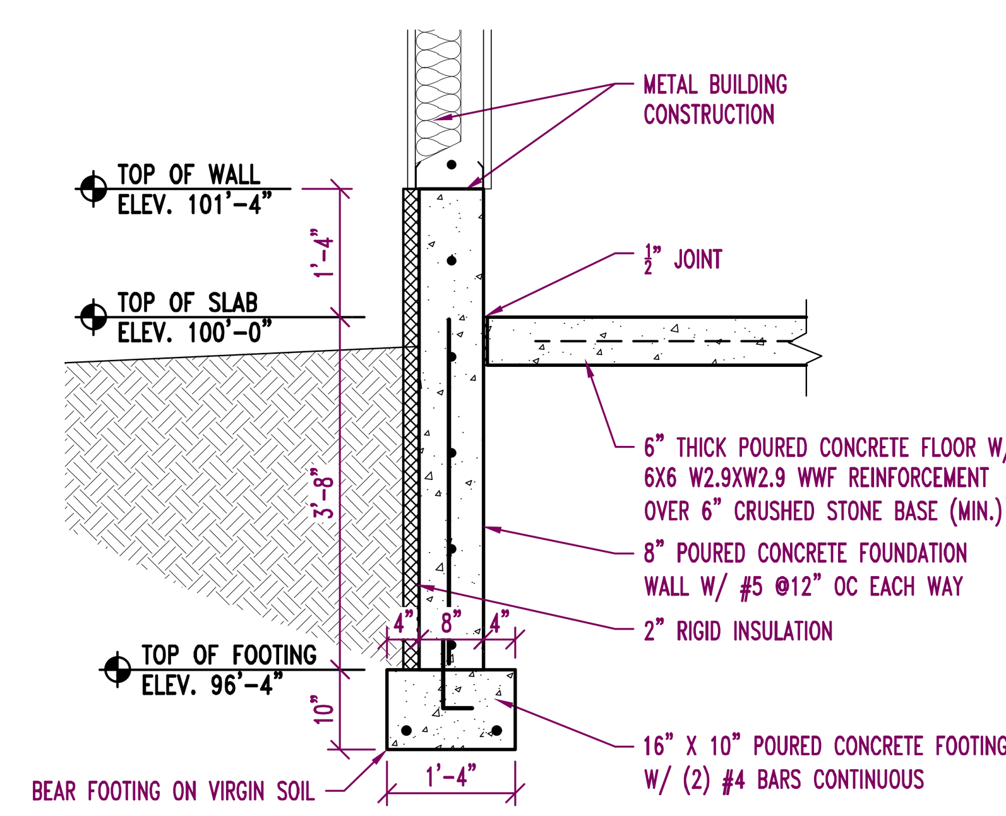
6 S1 TIE DOWN DETAIL 3/16"=1'-0"



2 S1 FOUNDATION WALL DETAIL 1/2"=1'-0" at OH-DOOR



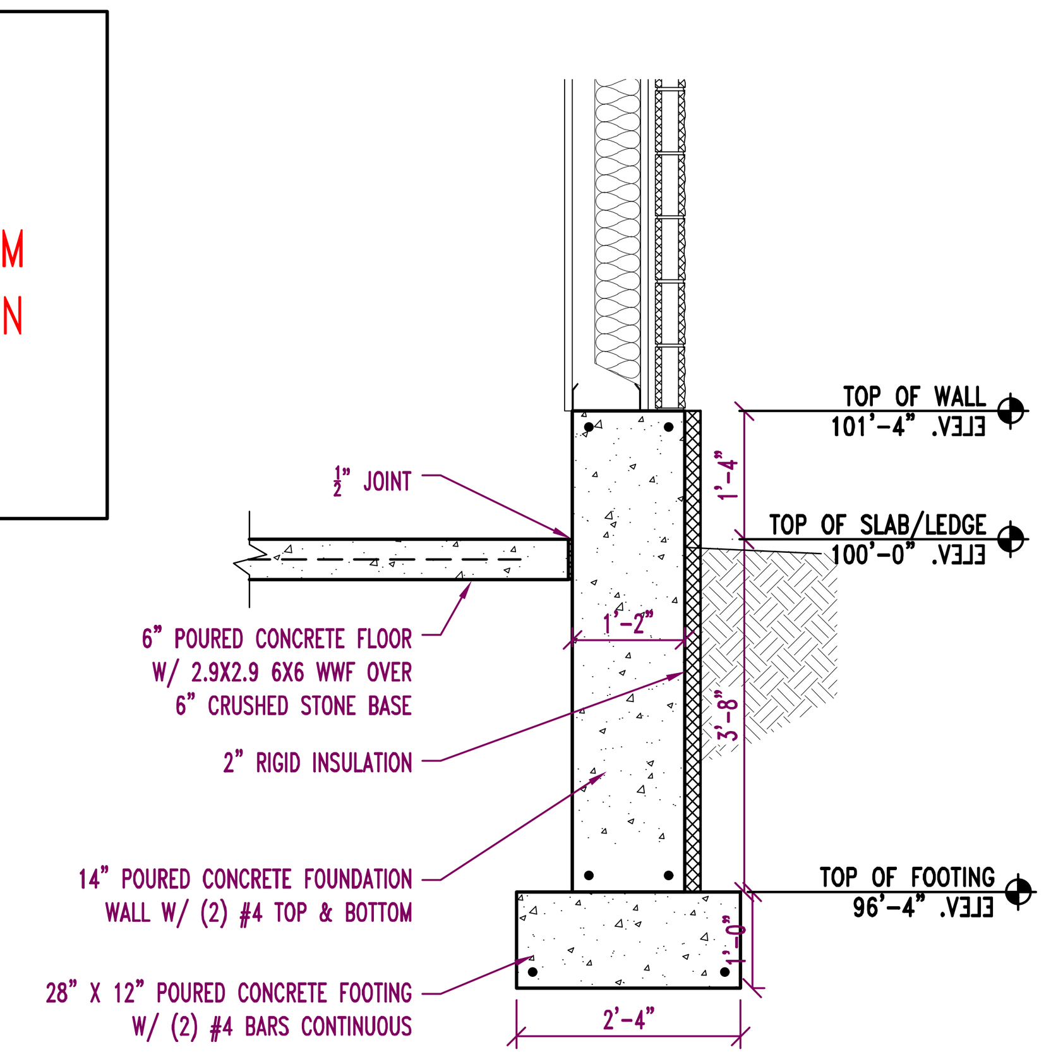
5 S1 FOUNDATION WALL DETAIL 1/2"=1'-0"



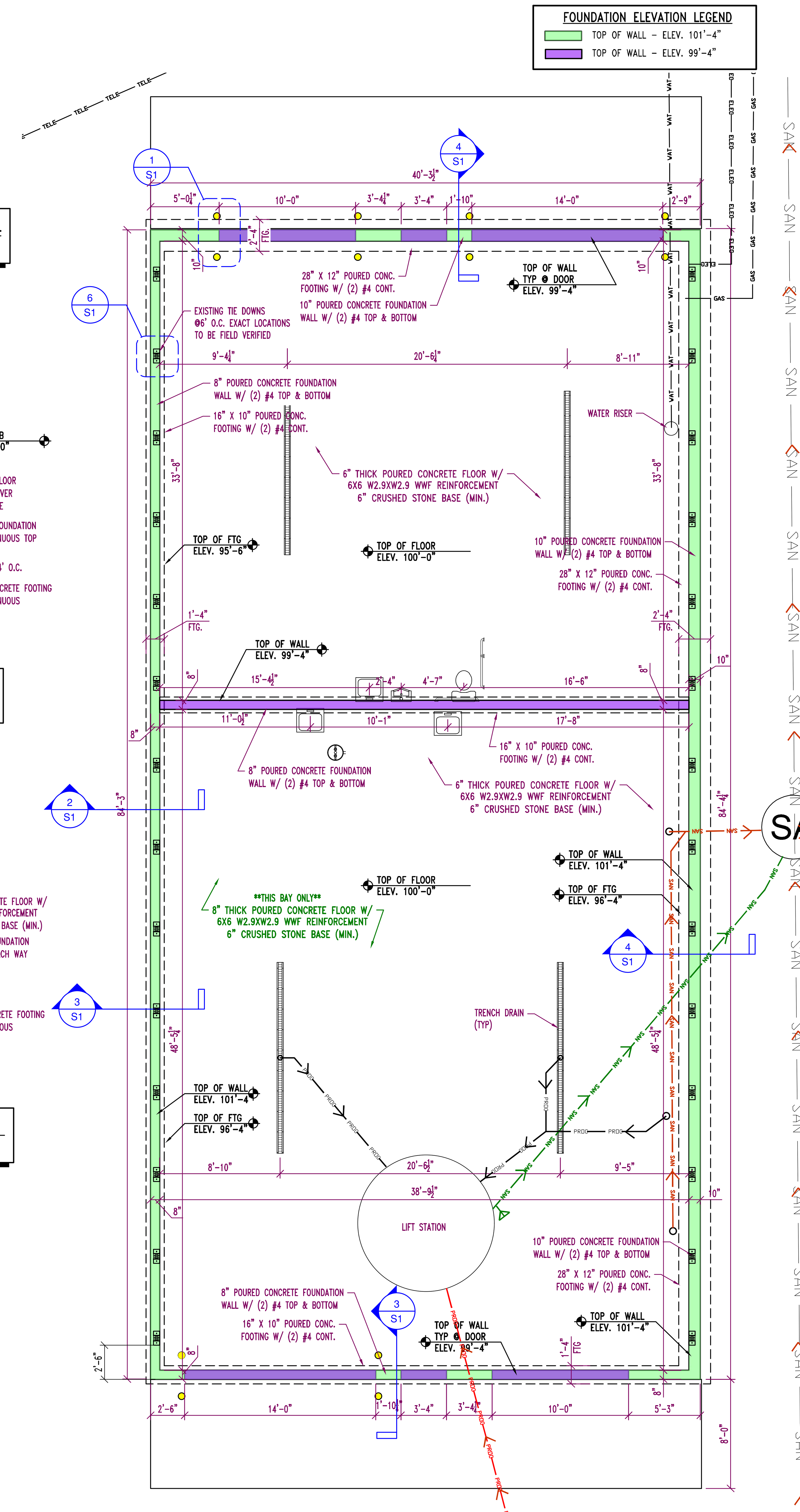
3 S1 FOUNDATION WALL DETAIL 1/2"=1'-0"

NOTE:

BUILDING STRUCTURE IS BEING RELOCATED FROM THE BERNATELLO'S PROPERTY TO THIS LOCATION ABOUT 400' TO THE NORTHEAST



4 S1 FOUNDATION WALL DETAIL 1/2"=1'-0" w/ CMU WAINSCOT



NORTH FOUNDATION PLAN 3/16"=1'-0"

DESIGN / BUILD
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PROJECT:
BERNATELLO'S PIZZA
WASTE WATER TREATMENT PLANT
1600 BADGER AVE.
KAUKAUNA, WI 54130

PROJECT NO.: 22-023

SHEET NO.: S1