

NOTES:

1. PRE-ENGINEERED METAL BUILDING:

A. * COLUMN LOCATIONS ARE BASED UPON A SPECIFIC PRE-ENGINEERED METAL BUILDING MANUFACTURER SUBBIDDER AND MAY VARY WITH DIFFERENT SUBBIDDER. GENERAL CONTRACTOR SHALL COORDINATE WITH PRE-ENGINEERED METAL BUILDING MANUFACTURER SUBBIDDER. THE ENGINEER WILL BE NOTIFIED OF ANY DIMENSION, LAYOUT OR ELEVATION CHANGES TO SUIT PRE-ENGINEERED METAL BUILDING SUPPLIED.

B. COLUMNS, BEAMS, ANCHOR BOLTS AND ANCHOR BOLT LOCATIONS SHALL BE FURNISHED BY THE PRE-ENGINEERED METAL BUILDING MANUFACTURER SUBBIDDER AS SPECIFIED.

C. COLUMNS AND BEAMS SHALL BE STRAIGHT OR TAPERED WITH DIAGONAL ANGLE BRACING, SEE SPECIFICATION SECTION 13121 FOR DESIGN CRITERIA.

D. DESIGN SUPERSTRUCTURE LIVE LOADS:
(COMMONWEALTH OF MASSACHUSETTS STATE BUILDING CODE 6TH ED)

1. SNOW LOAD: 35 PSF PLUS DRIFT
2. COLLATERAL LOAD:
ROOF PURLINS: 15 PSF
ROOF BEAM: 5 PSF
3. WIND LOAD:
ZONE: 1
EXPOSURE: C
REFERENCE WIND PRESSURES: 12 PSF
(0-50 FOR ABOVE GRADE)
4. EARTHQUAKE:
Av: 0.12G
Ag: 0.12G
SEISMIC HAZARD EXPOSURE GROUP: GROUP II
SEISMIC PERFORMANCE CATEGORY: C
SITE COEFFICIENT: S = 2.0
BUILDING FRAMING SYSTEM:
CONCENTRICALLY BRACED FRAMES: R = 5.0, Cd = 4.5
MOMENT RESISTING FRAME SYSTEM:
ORDINARY STEEL FRAMES: R = 4.5, Cd = 4.0

E. FOUNDATION SLAB AND WALL REINFORCING SHOP DRAWINGS SHALL NOT BE REVIEWED UNTIL THE SUBMITTAL OF THE PRE-ENGINEERED METAL BUILDING INCLUDING COLUMN REACTIONS AND ANCHOR BOLT LOCATIONS HAVE BEEN REVIEWED AND NO EXCEPTIONS TAKEN BY THE ENGINEER.

F. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONAL CLEARANCES REQUIRED FOR PRE-ENGINEERED METAL BUILDING COMPONENTS.

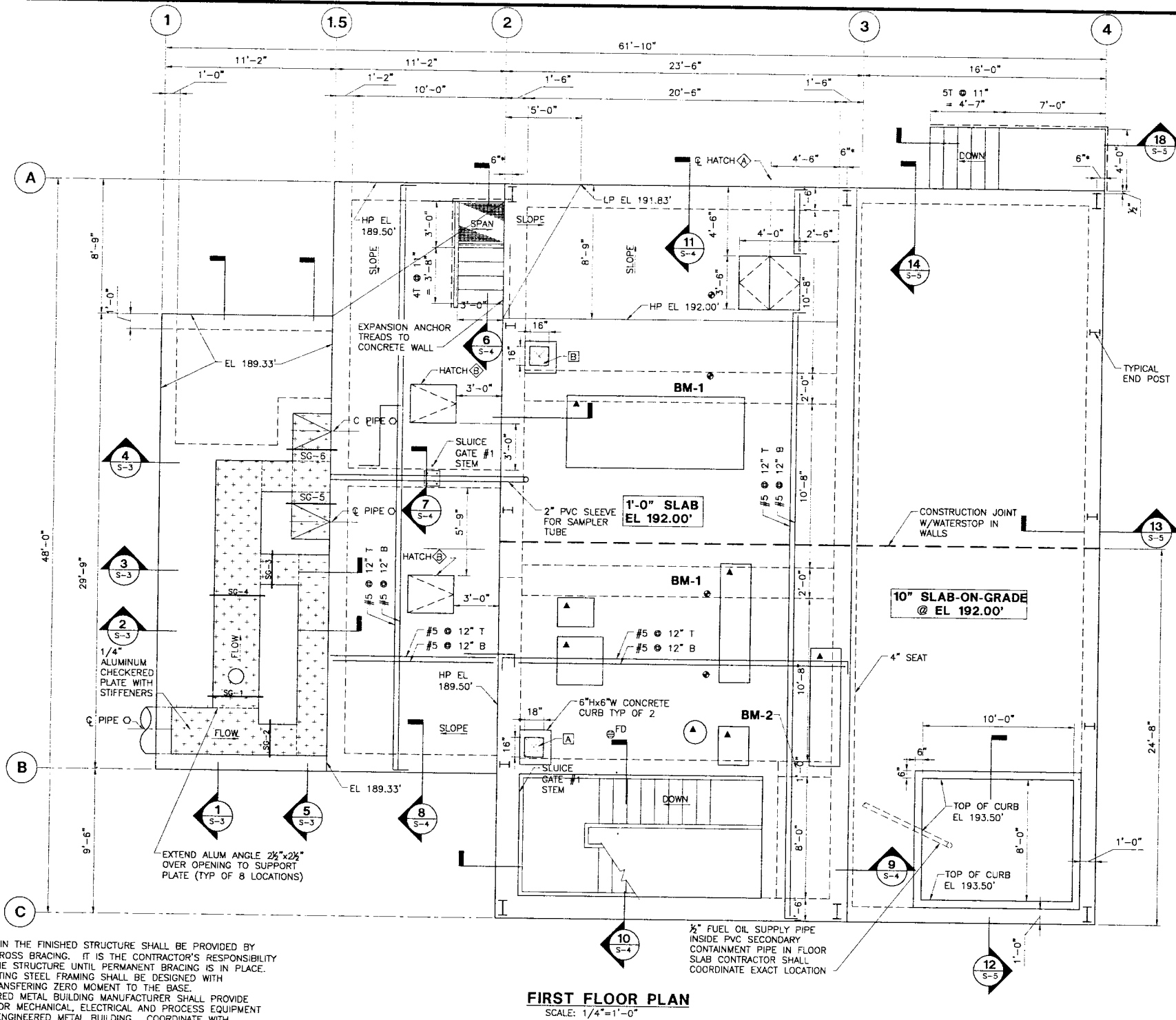
G. SEE TABLE ON DRAWING S-5 FOR BOTTOM OF COLUMN BASE PLATE ELEVATIONS.

H. LATERAL BRACING IN THE FINISHED STRUCTURE SHALL BE PROVIDED BY RIGID STEEL FRAMES OR CROSS BRACING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO TEMPORARILY BRACE THE STRUCTURE UNTIL PERMANENT BRACING IS IN PLACE.

I. ALL MOMENT RESISTING STEEL FRAMING SHALL BE DESIGNED WITH PIN-CONNECTED BASES TRANSFERRING ZERO MOMENT TO THE BASE.

J. THE PRE-ENGINEERED METAL BUILDING MANUFACTURER SHALL PROVIDE STEEL FRAME SUPPORTS FOR MECHANICAL, ELECTRICAL AND PROCESS EQUIPMENT SUPPORTED BY THE PRE-ENGINEERED METAL BUILDING. COORDINATE WITH MECHANICAL, ELECTRICAL AND PROCESS DRAWINGS FOR EQUIPMENT LOCATIONS AND COORDINATE EQUIPMENT SIZE AND WEIGHTS WITH THE CONTRACTOR.

2. ▲ INDICATES EQUIPMENT PAD, CONTRACTOR SHALL COORDINATE SIZE AND LOCATION TO SUIT EQUIPMENT SUPPLIED.
3. ○ INDICATES PIPE, FOR EXACT SIZE, LOCATION AND ELEVATION, SEE PLUMBING, PROCESS AND MECHANICAL DRAWINGS.
4. [H] INDICATES HVAC OPENING, FOR DIMENSIONS SEE HVAC SCHEDULE ON DRAWING S-5.
5. FOR BEAM SCHEDULE, SEE DRAWING S-5.
6. FD INDICATES FLOOR DRAIN, FOR EXACT SIZE AND LOCATION OF FLOOR DRAINS AND CLEANOUTS SEE PLUMBING DRAWINGS.
7. ◆ INDICATES 2000# LIFTING HOOK BELOW. CONTRACTOR SHALL COORDINATE EXACT LOCATION BASED ON EQUIPMENT REVIEWED AND NO EXCEPTION TAKEN BY THE ENGINEER.
8. DESIGN LIVE LOAD BETWEEN GRID LINES 1 AND 4 AND A AND C: 200 PSF
9. ALUMINUM CHECKERED PLATES SHALL BE A MAXIMUM OF 3'-0" WIDE EXCEPT OVER STOP GATES WHERE THEY SHALL BE 1'-0" WIDE AND CENTERED OVER STOP GATES. ALUMINUM CHECKERED PLATE EDGE ANGLE SUPPORTS SHALL TERMINATE 1/2" FROM EACH SIDE OF STOP GATES.
10. FOR STOP GATE AND SLUICE GATE DETAILS, SEE DRAWING PR-4.
11. 3-INCH MINIMUM REINFORCED CONCRETE PADS SHALL BE PROVIDED UNDER ALL EQUIPMENT, CONTROL PANELS, PIPING AND EQUIPMENT SUPPORTS UNLESS OTHERWISE NOTED.
12. GENERAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF SLUICE GATE STEM OPERATOR. TEMPLATES SHALL BE REQUIRED FOR THE INSTALLATION OF ANCHOR BOLTS FOR THE SLUICE GATE OFFSET FLOOR STAND.
13. GENERAL CONTRACTOR SHALL COORDINATE WITH METAL FABRICATOR FILE SUB-BIDDER THE LAYOUT AND OPENINGS REQUIRED FOR ALUMINUM CHECKERED PLATE OVER THE CHANNELS.
14. FOR GENERAL STRUCTURAL NOTES AND STANDARD DETAILS, SEE DRAWINGS S-6 AND S-7.



FIRST FLOOR PLAN
SCALE: 1/4"=1'-0"

THESE RECORD DRAWINGS HAVE BEEN PREPARED IN PART ON THE BASIS OF THE INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT.

DEPARTMENT OF PUBLIC WORKS
TOWN OF EAST LONGMEADOW, MA
VINLAND AVENUE PUMP STATION
CONTRACTS NO. 1 AND NO. 2

FIRST FLOOR PLAN

DWG S-2

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NO.	REVISIONS	DATE	BY	DATE	BY
1	ISSUED FOR REVIEW	12-02			
2	ISSUED FOR BIDDING	2-03			
3	LAST MODIFIED				
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