

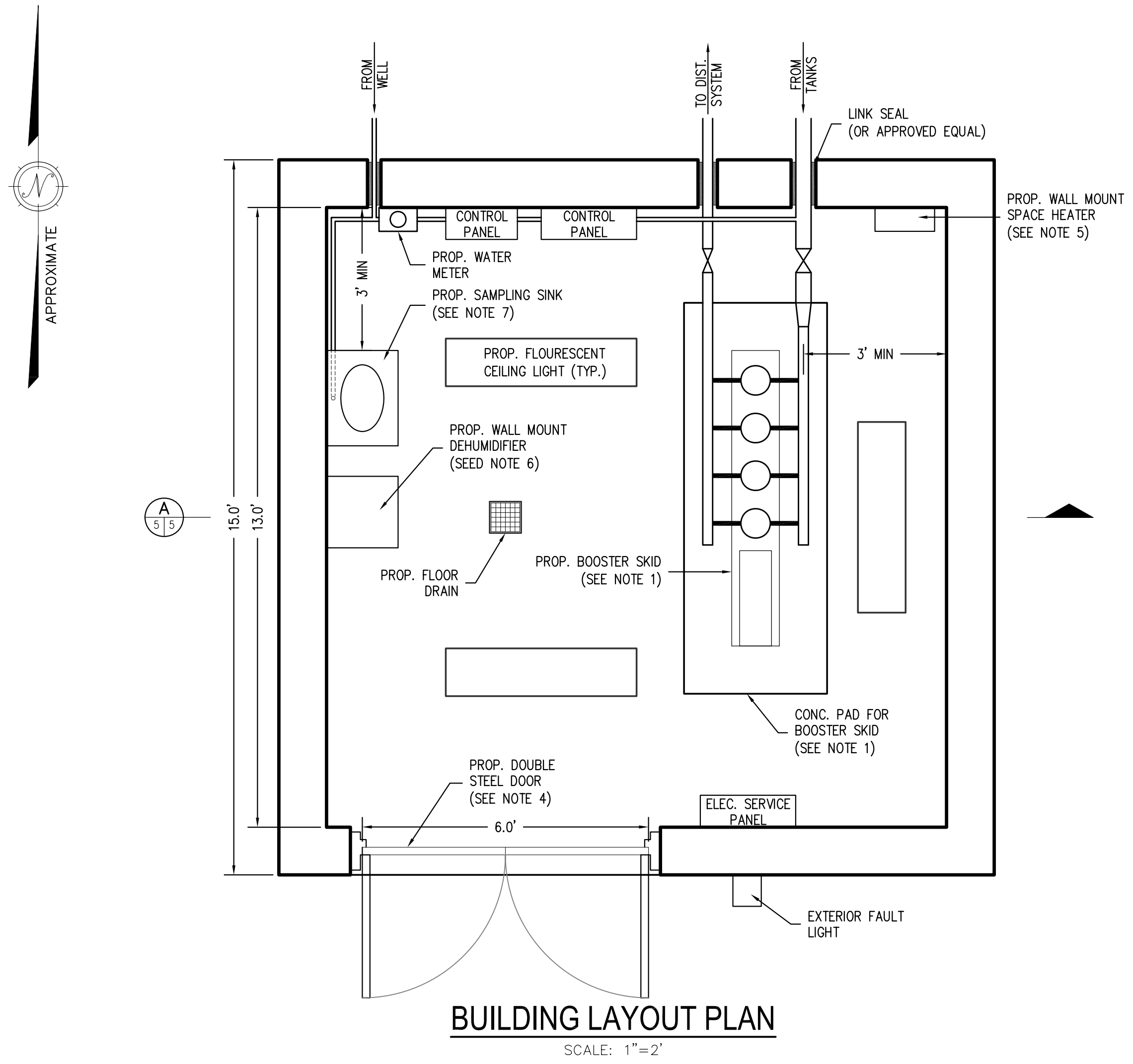
**PLAN NOTES:**

**GENERAL NOTES:**

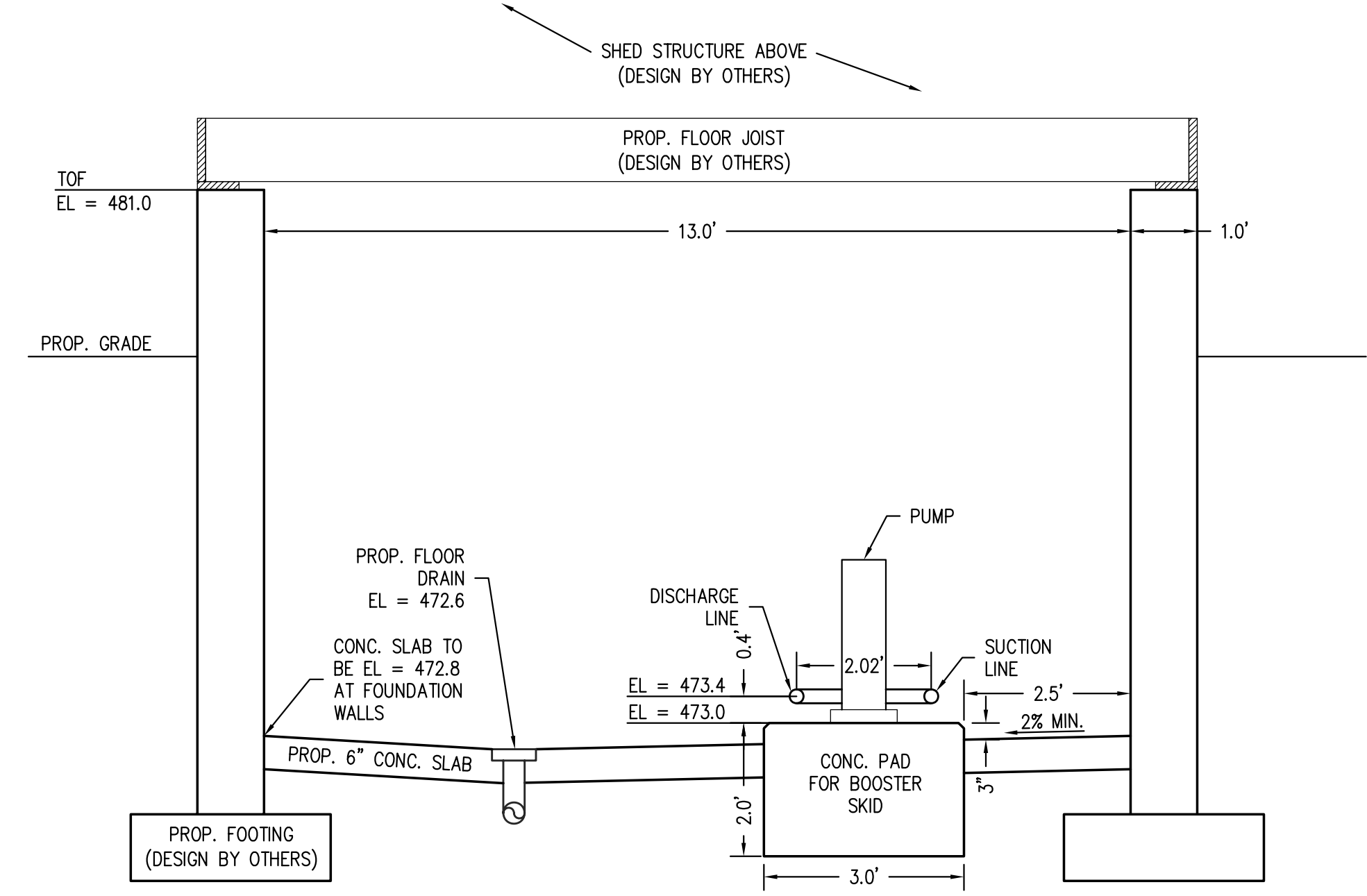
- STRUCTURAL DESIGN OF FOUNDATIONS AND FOOTINGS TO BE PERFORMED BY OTHERS.
- THIS PLAN IS INTENDED TO GIVE AN OVERVIEW OF MAJOR SYSTEM COMPONENTS. IT MAY NOT SHOW SMALL DETAILS SUCH AS PIPE FITTINGS, VALVES AND OTHER APPURTENANCES.
- SHED STRUCTURE ABOVE TO BE DESIGNED BY OTHERS. SHED STRUCTURE TO BE USED FOR GENERAL STORAGE OF TOOLS AND MATERIALS RELATED TO THE OPERATION AND MAINTENANCE OF THE WATER SYSTEM.

**MATERIAL SPECIFICATIONS:**

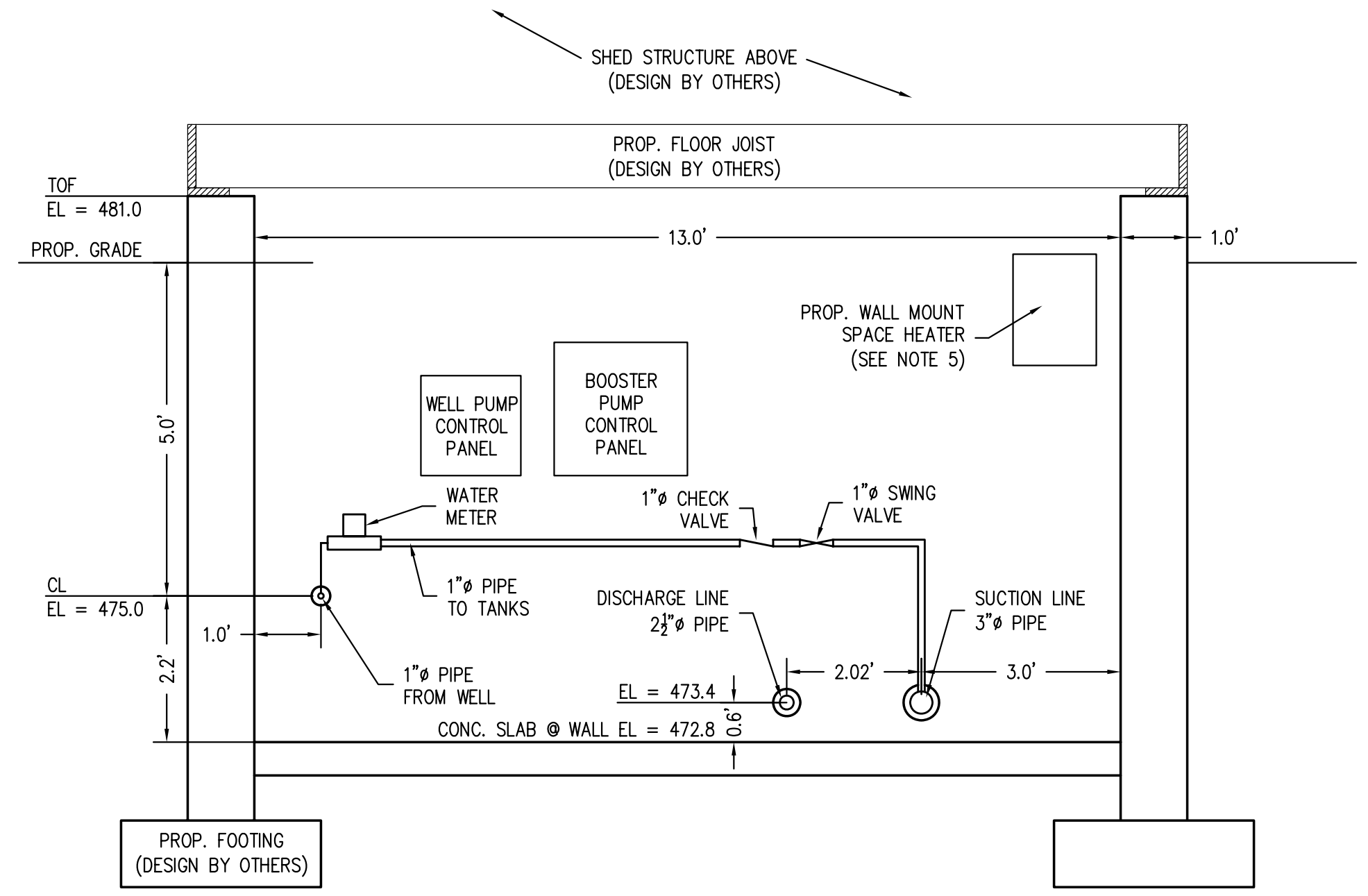
- BOOSTER PUMP SKID SHALL BE AS MANUFACTURED BY GRUNDFOS. PUMP SKID SHALL BE ME4 AS MANUFACTURED BY GRUNDFOS. SKID SHALL BE MANUFACTURED WITH FOUR (4) CRE3-9 VARIABLE FREQUENCY DRIVE PUMPS. REFER TO THE PROJECT SPECIFICATIONS FOR CONTROL PANEL FEATURES TO BE INCLUDED. CONTROL PANEL SHALL BE MOUNTED ON THE WALL AS SHOWN ON THE ATTACHED DRAWINGS. CONTRACTOR SHALL VERIFY ACTUAL LENGTH OF WIRING HARNESS WITH THE MANUFACTURER TO ACHIEVE WIRING INTO THE BOTTOM OF THE CONTROL PANEL. CONCRETE SLAB TO BE POURED INDEPENDENTLY OF THE FLOOR SLAB AS SHOWN HEREON.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL BUILDING PERMITS AND COORDINATING ALL INSPECTIONS AND SIGN-OFFS AS REQUIRED.
- FOUNDATION AND STRUCTURE ABOVE, SHALL BE DESIGNED BY OTHERS AND CONSTRUCTED IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL BUILDING CODES.
- ACCESS DOOR TO BE A STEEL FIRE RATED, INSULATED DOOR, DOUBLE SWINGING IN THE OUTWARD DIRECTION. NOMINAL DIMENSIONS SHALL BE 72" WIDE x 80" TALL.
- PROPOSED WALL MOUNT SPACE HEATER TO BE AS MANUFACTURED BY MARLEY ENGINEERED PRODUCTS, OR APPROVED EQUAL.
- PROPOSED WALL MOUNT DEHUMIDIFIER TO BE AS MANUFACTURED BY EBAC INDUSTRIAL PRODUCTS, INC., OR APPROVED EQUAL. CONTINUOUS DRAIN SHALL BE INSTALLED WITH DISCHARGE TO THE SAMPLING SINK PLUMBING SYSTEM.
- SAMPLING SINK TO BE STANDARD UTILITY SINK AS MANUFACTURED BY SWANSTONE, OR APPROVED EQUAL. PROVIDE FAUCET FOR SAMPLING.
- FLOOR DRAIN SHALL BE 8"x8" WITH A 4" DISCHARGE.
- SAMPLING SINK DRAIN AND FLOOR DRAIN TO BE DISCHARGED IN THE SAME LOCATION AS BUILDING AND TANK UNDERDRAINS. CONNECT TO 8" UNDERDRAIN/FOUNDATION DRAIN IN THE APPROPRIATE LOCATION.
- WATER METER SHALL BE AS MANUFACTURED BY NEPTUNE, OR APPROVED EQUAL.
- CONTRACTOR TO PROVIDE FOUNDATION PENETRATIONS AS SHOWN AND AS REQUIRED TO ACCOMMODATE PIPING REQUIREMENTS FOR THE PRODUCTS SPECIFIED. CONTRACTOR SHALL VERIFY PUMP SKID SUCTION AND DISCHARGE PIPING DIMENSIONS PRIOR TO CONCRETE FORMING.
- FOUNDATION PENETRATIONS TO BE FITTED WITH LINK SEAL, OR APPROVED EQUAL. ALL FOUNDATION PENETRATIONS SHALL BE MADE WATER-TIGHT.
- ALL ELECTRICAL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICIAN IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL ELECTRICAL CODES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE APPROPRIATE ELECTRICAL PERMITS AND COORDINATING ASSOCIATED INSPECTIONS AND SIGN-OFFS.
- ELECTRICAL SERVICE SHALL BE A 40 SPACE (MIN.) 200-AMP PANEL.
- ELECTRICAL CONTRACTOR SHALL WIRE THE NEW SERVICE PANEL SUCH THAT THE EXISTING DISCONNECT SWITCH CURRENTLY MOUNTED ON THE POLE WILL SUFFICIENTLY OPERATE THE ELECTRICAL COMPONENTS WITHIN THE NEW FACILITY.
- CONTRACTOR SHALL PROVIDE THREE (3) FLOURESCENT LIGHTING FIXTURES AS SHOWN WITH A SWITCH TO THE RIGHT OF THE DOOR ENTRANCE.
- CONTRACTOR TO PROVIDE A MINIMUM OF EIGHT (8) 20 AMP OUTLET RECEPTACLES (2 PER WALL). RECEPTACLES SHALL BE GFI AND SHALL CONFORM TO ALL ELECTRICAL CODES.
- ELECTRICAL WIRING SHALL BE PLACED IN PVC CONDUIT.
- ALL ELECTRICAL BOXES TO BE METAL. ALL ELECTRICAL AND CONTROL PENETRATIONS SHALL BE PERFORMED INTO THE BOTTOM OF THE BOXES.
- BUILDING FLOOR SHALL BE 6" CONCRETE AND SHALL BE SLOPED AT 2% (MIN.) TO THE FLOOR DRAIN.
- INTERIOR PIPING SHALL BE COPPER, TYPE K, OR APPROVED EQUAL.
- FURNISH AND INSTALL EXPANSION JOINTS AS MANUFACTURED BY FLEXICRAFT, OR APPROVED EQUAL, ON THE SUCTION AND DISCHARGE LINES OF THE PUMPS AS PROVIDED BY GRUNDFOS.
- CONTRACTOR TO FURNISH AND INSTALL ALL VALVES, PRESSURE GAUGES, AND OTHER APPURTENANCES AS REQUIRED.



**BUILDING LAYOUT PLAN**  
SCALE: 1"=2'



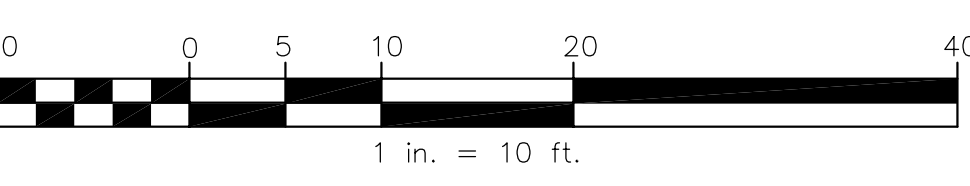
**SECTION A**  
SCALE: 1"=2'



**INTERIOR WALL - NORTH SIDE**  
SCALE: 1"=2'

PREPARED BY:  
  
**DUCHARME & DILLIS**  
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OWNER:  
 APPLICANT:

SCALE:  
  
 1 in. = 10 ft.  
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BUILDING LAYOUT PLAN 2 SOUTHWICK STREET MENDON, MA.			
NO.	DATE	DESCRIPTION	BY

DATE: 10/24/08	JOB NO. 4328
DESIGN BY: GSR	DRAWING NO. 4328-BLDG
DRAWN BY: GSR	SHEET NO. <b>5</b>
CHECKED BY: GGB	OF 5