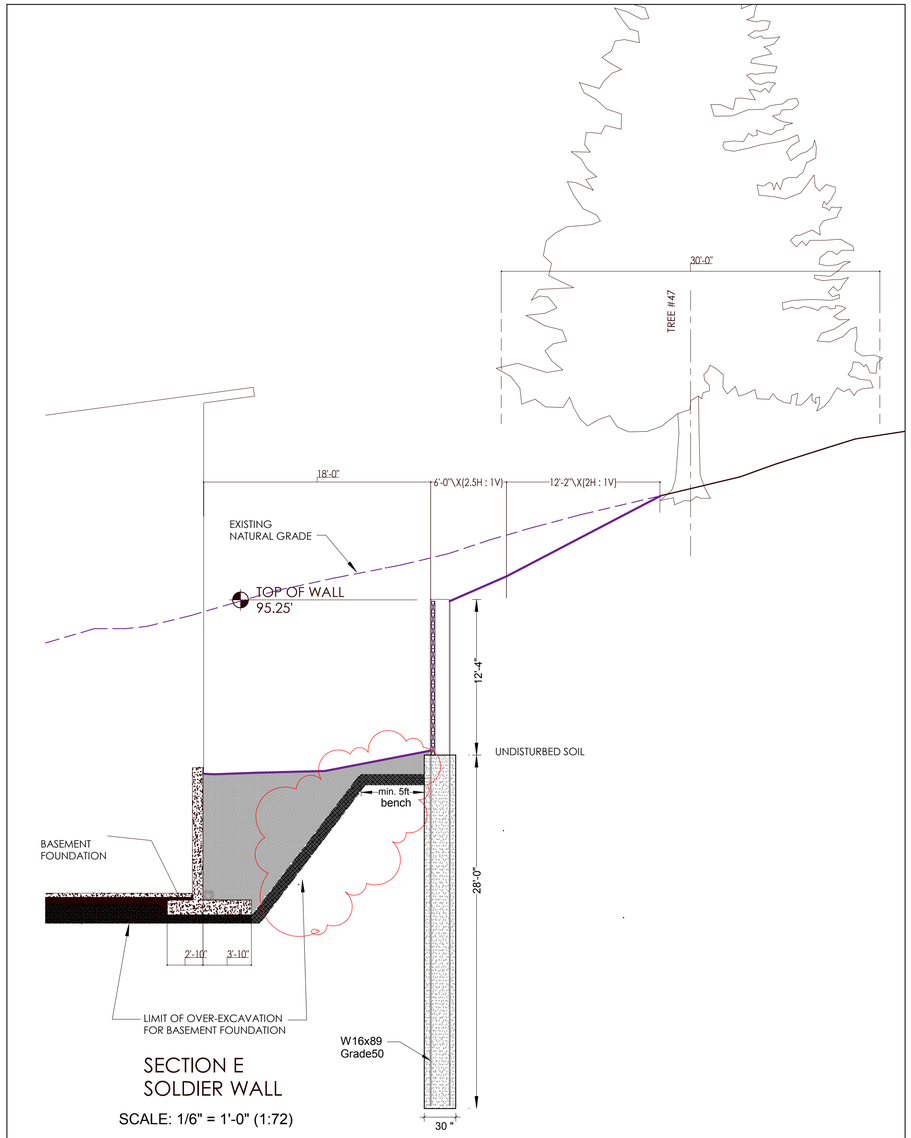
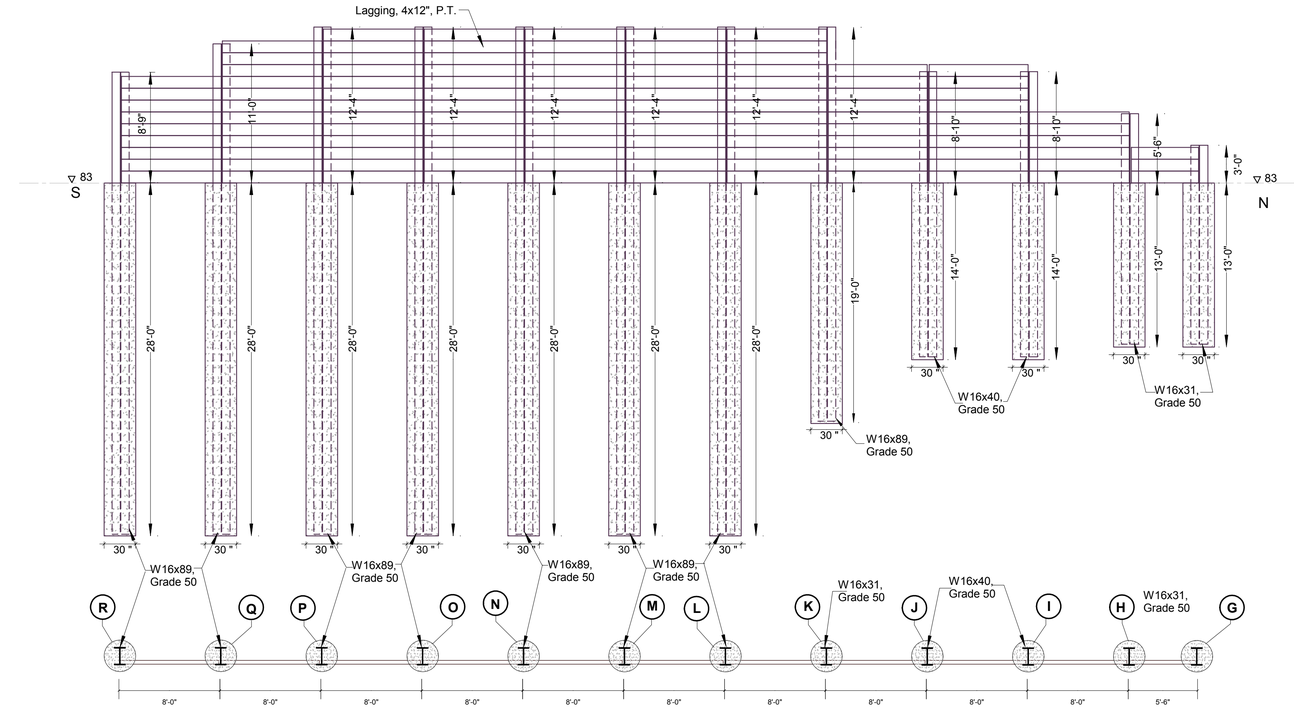


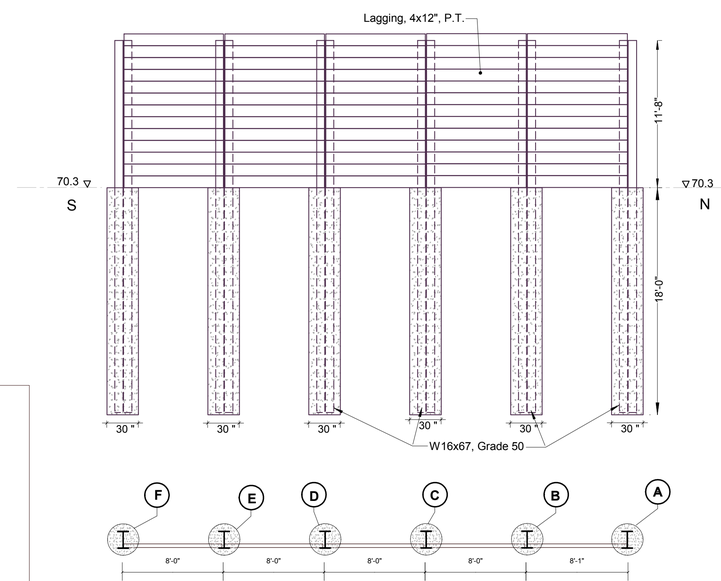
SECTION E
SOLDIER WALL

SCALE: 1/6" = 1'-0" (1:72)



UPPER LINE OF SOLDIER PILE SHORING

SCALE: 1/6" = 1'-0" (1:72)



LOWER LINE OF SOLDIER PILE SHORING

SCALE: 1/6" = 1'-0" (1:72)

KEY NO.	STRUCTURAL MEMBERS
	FOUNDATION
4.9	Lower soldier Pile Wall, all Sections, W16x67, Grade 50
4.10	Upper Soldier Pile Wall, Section B, W16x31, Grade 50
4.11	Upper Soldier Pile Wall, Section C, W16x40, Grade 50
4.12	Upper Soldier Pile Wall, Section D, W16x89, Grade 50
4.13	Soldier Pile Wall, Section E, W16x89, Grade 50

Shoring Construction Sequence

1. **Grade and excavate to the top of the upper wall**
2. **Drill 2.5 ft dia. holes for upper wall to bottom of embedment and install steel piles**
3. **Dig soil in sections only deep enough to immediately install lagging**
   Install lagging following the excavation to the top level of the lower wall
4. **Drill 2.5 ft dia. holes for lower wall to bottom of embedment and install steel piles**
5. **Dig soil in sections only deep enough to immediately install lagging**
   Install lagging following the excavation to the bottom level of the wall

REVISION 05/23/19

tecinstruct LLC
6830 NE Bothell Way - Suite C, PMB 181, Kenmore, WA 98028
Telephone (206) 553 9076 - Fax (206) 529 4408
ENGINEERING

BUILDER:	Barcelo Homes		SHEET
JOB SITE:	4634 E Mercer Way, Mercer Island		S11
PARCEL NO.:	WA 98040		
DESCRIPTION:	Soldier Pile Shoring		
DATE:	03/11/15	SCALE: as noted	
ENGINEER:	Roland Heimisch, P. E.		