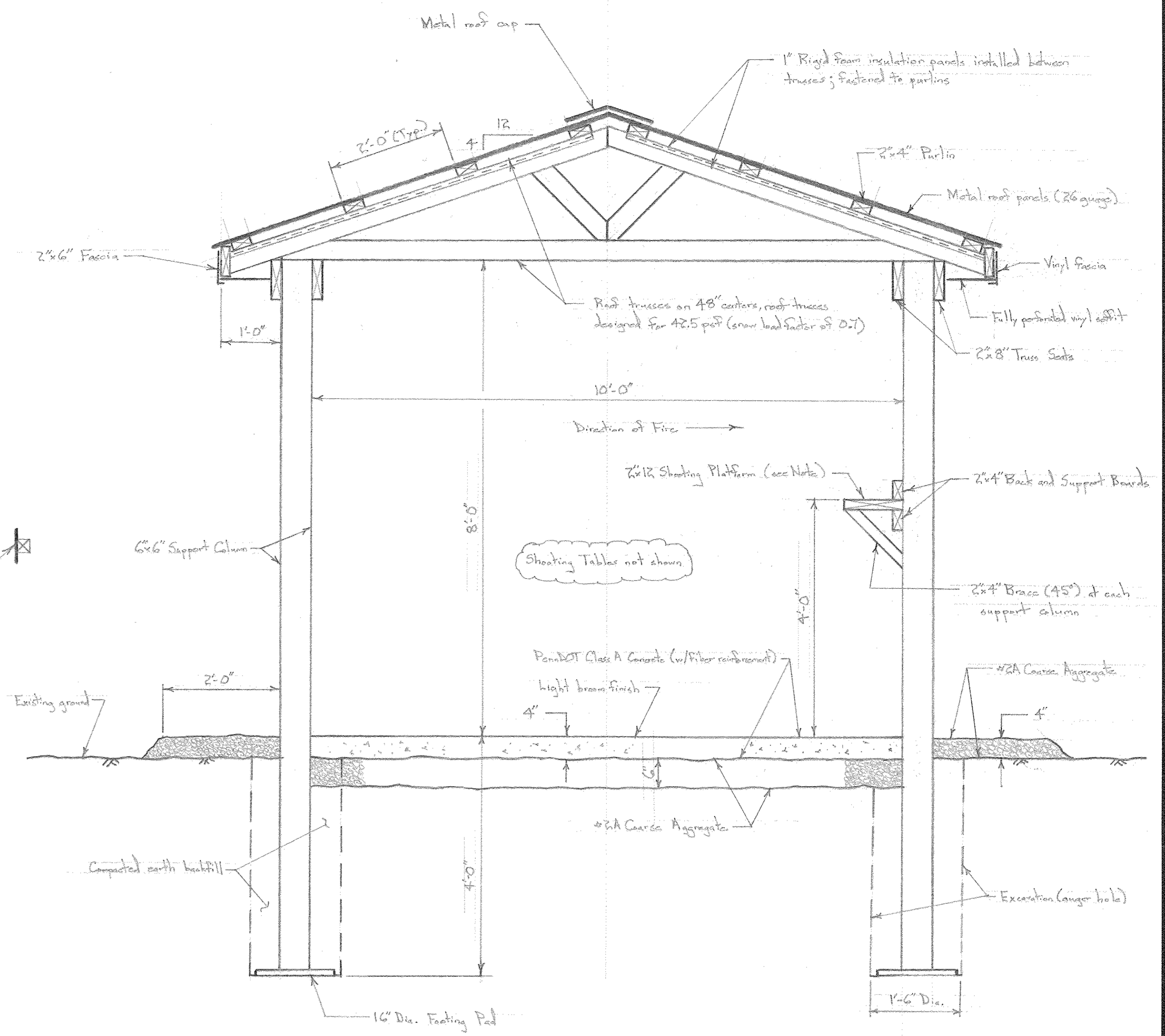
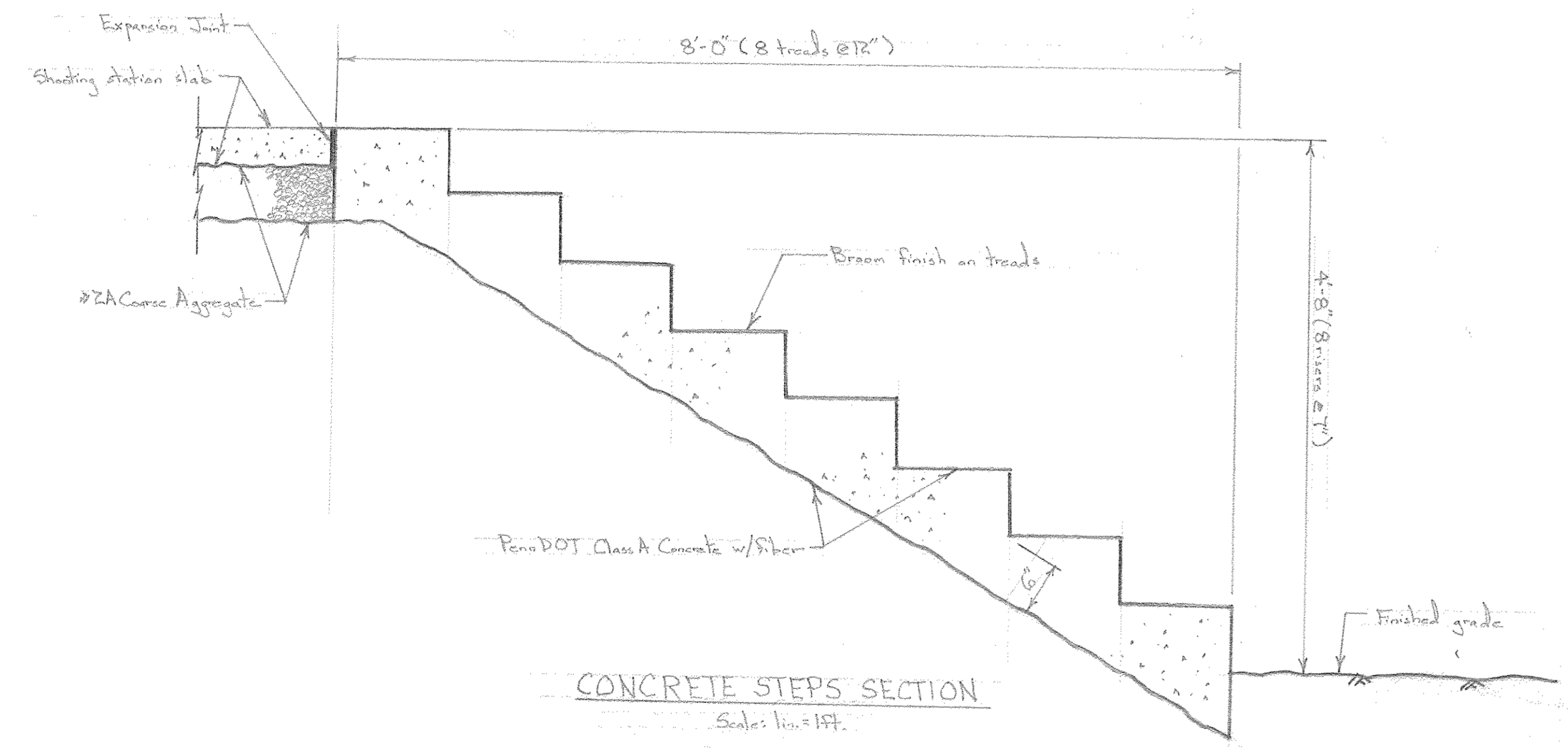


**PLAN - RIFLE RANGE SHELTERS**  
 Scale: 1/4" = 1'-0"  
 Note: Refer to Section 6 of the Technical Specifications for shooting table details.



**SHOOTING STATION SECTION**  
 Scale: 3/4" = 1'-0"  
 Note: Shooting platforms are only installed at pistol range shelters.



**CONCRETE STEPS SECTION**  
 Scale: 1/4" = 1'-0"

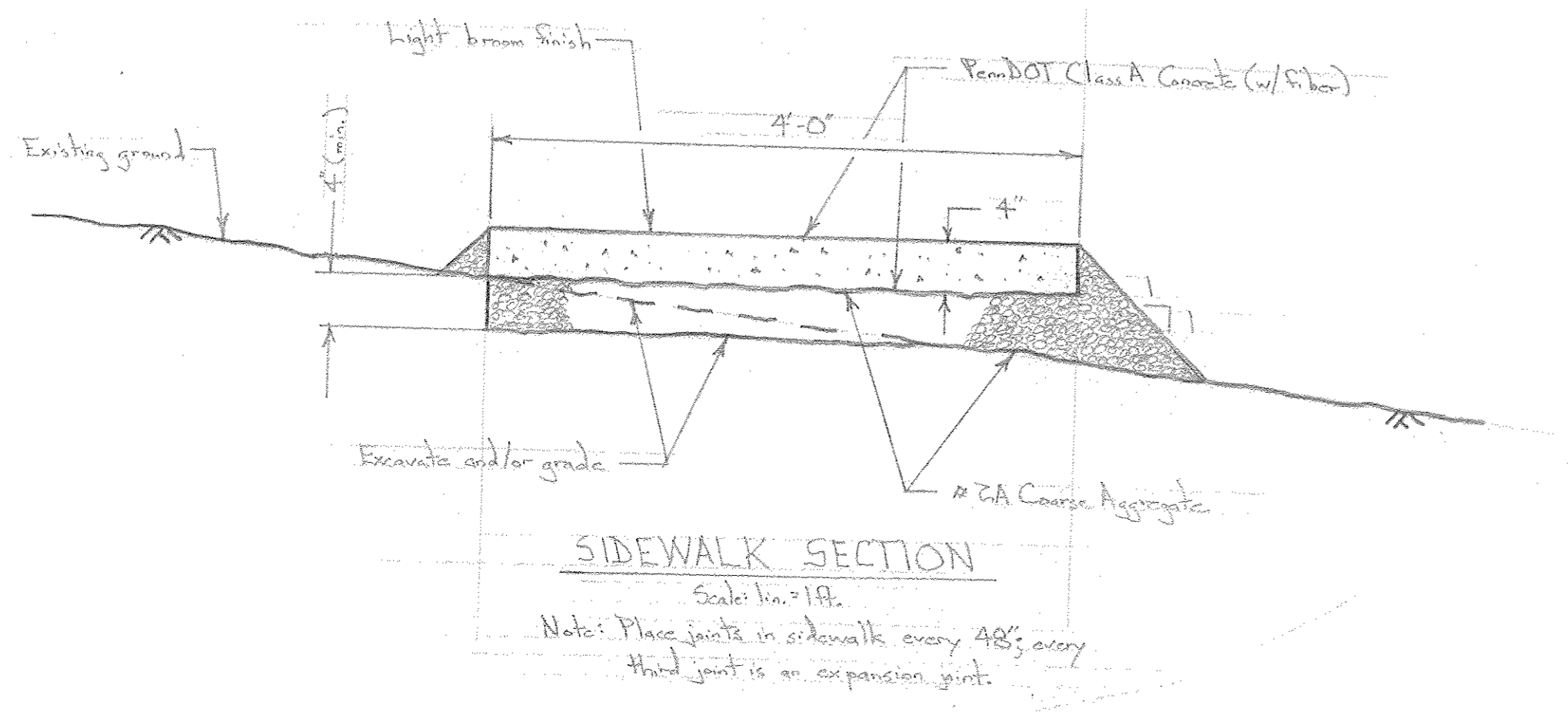
**FASTENER SCHEDULE - SHOOTING STATION SHELTERS**

Connection	Fasteners
Truss Seats to Columns	Two 1/2" x 10" Carriage Bolts
Trusses to Truss Seats *	Simpson Strong-Tie H1Z Hurricane Tie (Z-Max) with 8d nails
Purlins to Trusses (Top Chord)	Two #10-3" Screws
Fascia to Truss Ends	Two #10-3" Screws
2" x 4" Supports to Columns	Two #10-3" Screws
2" x 4" Backs to Columns	Two #10-3" Screws
2" x 12" Shooting Platform to 2" x 4" Supports	#10-3" Screws on 12" Centers
2" x 4" Brace to Platform and Column	Four (two each end) #10-3" Screws
Footing Pads to Columns	One 3/4" x 8" Lag Screw

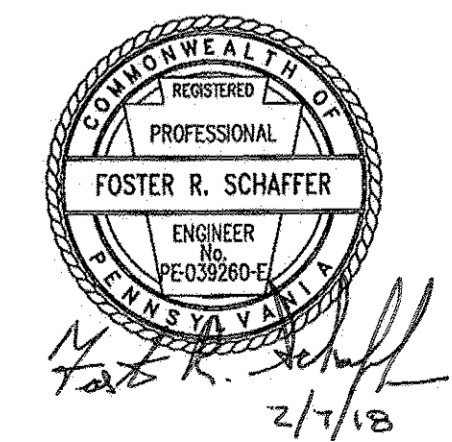
- Trusses can also be connected to the truss seats with 2" x 6" scraps on both sides of the trusses and then set in between the truss seats. Use #10-3" screws for these connections.

**CONCRETE NOTES**

- All concrete is PennDOT Class A concrete with a mix design compressive strength of 3,300 psi. The concrete shall have poly fibers included in the mix.
- Exposed surfaces shall receive a light broom finish for traction.
- Concrete shall be membrane cured. Membrane can be applied by spray, roller or brush.
- All exposed edges shall be rounded with a concrete edger. The edger shall have a 1/2-inch radius.
- Contraction and expansion joints are noted on the drawings. Expansion joints shall have 1/4" preformed joint material. The expansion joint material shall be 1/2" below the top of the concrete and then sealed. Contraction joints shall be tooled with a concrete edger on both sides.



**SIDEWALK SECTION**  
 Scale: 1/4" = 1'-0"  
 Note: Place joints in sidewalk every 48"; every third joint is an expansion joint.



**PENNSYLVANIA GAME COMMISSION**  
 STATE GAME LANDS #58 | MIFFLIN TWP. | COLUMBIA CO.  
 SHOOTING RANGE RENOVATION  
 SHOOTING STATION DETAILS

REVISIONS	PROJECT NO.	PCC-58-18-1
▲	DRAWN BY:	J.S.
▲	DATE:	2/07/18
▲	SHEET NO.	2 OF 2