

P:\15000 Series\15553-S\15553-1\Drawings\Rev 2 (09-20-2017)\15553-1.dwg, 9/20/2017 2:51:33 PM

MANUFACTURERS TABULATED DATA SHEET FOR W14x120 END SPREADERS

ALLOWABLE WIDTH: W14x120 BEAM WITH SHEET PILES OR STEEL PLATES AT ENDS FOR TRENCH SHIELDS

ALLOWABLE DEPTH (FT)	ALLOWABLE WIDTH (FT)			
	A-25	B-45	C-60	C-80
8'-0"	25'-0"	25'-0"	25'-0"	25'-0"
10'-0"	25'-0"	25'-0"	25'-0"	25'-0"
12'-0"	25'-0"	25'-0"	25'-0"	22'-0"
14'-0"	25'-0"	25'-0"	24'-0"	20'-0"
16'-0"	25'-0"	25'-0"	22'-0"	18'-0"
18'-0"	25'-0"	24'-6"	20'-6"	16'-6"
20'-0"	25'-0"	23'-0"	19'-0"	15'-0"

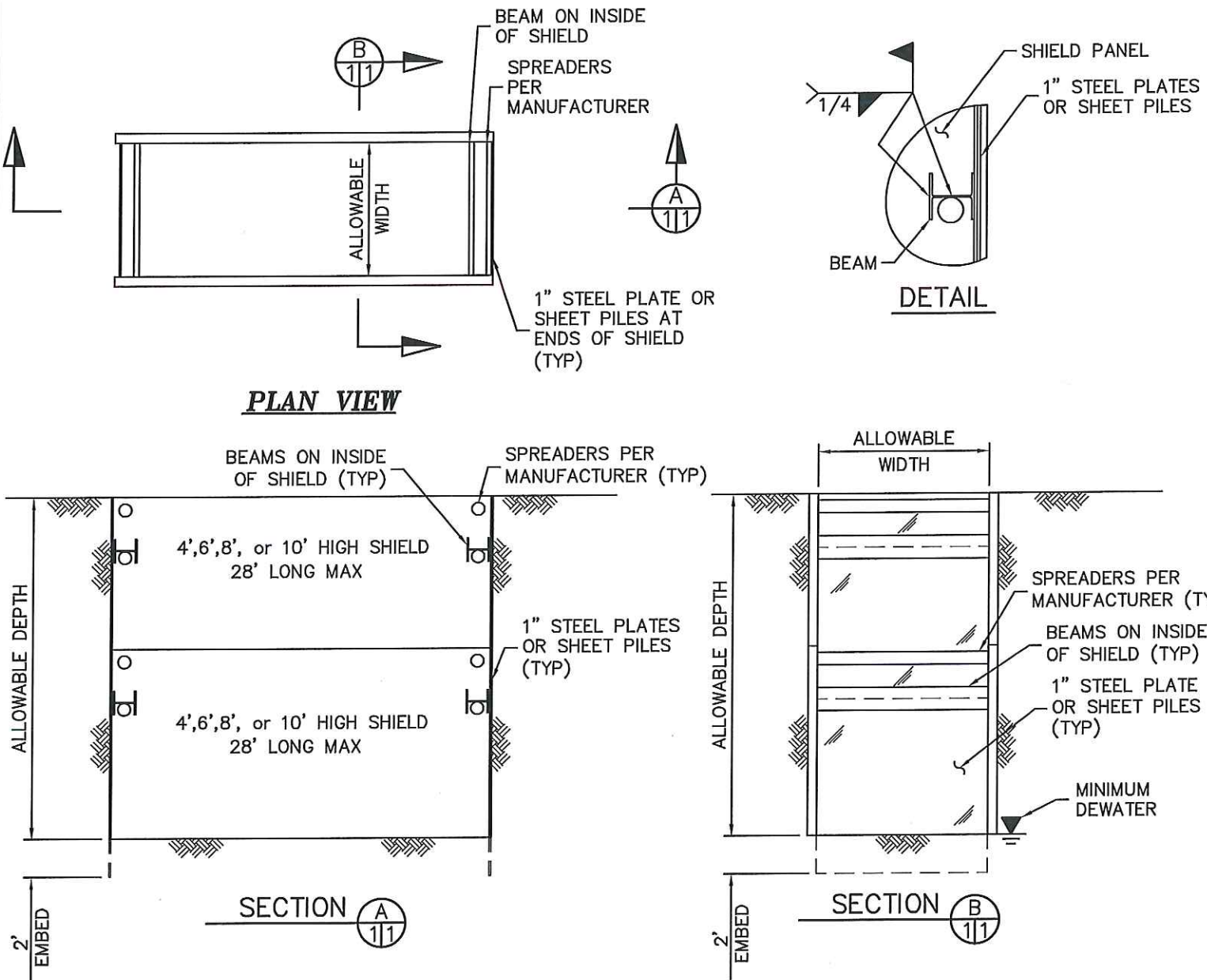
MANUFACTURERS TABULATED DATA SHEET FOR W14x90 END SPREADERS

ALLOWABLE WIDTH: W14x90 BEAM WITH SHEET PILES OR STEEL PLATES AT ENDS FOR TRENCH SHIELDS

ALLOWABLE DEPTH (FT)	ALLOWABLE WIDTH (FT)			
	A-25	B-45	C-60	C-80
8'-0"	25'-0"	25'-0"	25'-0"	23'-0"
10'-0"	25'-0"	25'-0"	24'-0"	20'-0"
12'-0"	25'-0"	25'-0"	21'-6"	17'-6"
14'-0"	25'-0"	23'-6"	19'-6"	15'-6"
16'-0"	25'-0"	21'-6"	17'-6"	13'-6"
18'-0"	25'-0"	20'-0"	16'-0"	12'-0"
20'-0"	25'-0"	18'-6"	14'-6"	10'-6"

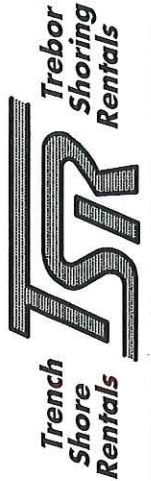
GENERAL NOTES

1. ALL EXCAVATIONS SHALL BE IN ACCORDANCE WITH OSHA CFR 29, PART 1926, SUBPART P, AND CAL OSHA SAFETY ORDERS TITLE 8 SECTIONS 1504, 1539-1547.
2. SOIL SHALL BE CLASSIFIED IN ACCORDANCE WITH OSHA APPENDIX A OR BY A REGISTERED CIVIL ENGINEER PRIOR TO INSTALLING THIS EQUIPMENT.
3. STEEL PLATES SHALL BE 1" THICK. THEY SHALL REST AGAINST THE W14x120 OR W14x90 BEAMS.
4. SHEET PILES WITH A MINIMUM SECTION MODULUS OF 2.0 in³/FT MAY BE USED IN LIEU OF STEEL PLATES.
5. SURCHARGE LOAD SHALL BE DETERMINED BY A COMPETENT PERSON OR ENGINEER. THE ABOVE DEPTH RATINGS ALLOW A 100 PSF SURCHARGE LOAD. EQUIPMENT AND SPOIL PILES SPACED A MINIMUM OF 2 FT FROM THE EDGE OF THE EXCAVATION WILL EXERT A 100 PSF SURCHARGE LOAD.
6. SHIELD SHALL BE ASSEMBLED PRIOR TO PLACING IT IN THE EXCAVATION.
7. STEEL BEAMS MUST BE ASTM A992, MINIMUM Fy=50 KSI.
8. THE ABOVE TABLES APPLY TO END BEAM SPANS. SHORING SHIELDS SHALL BE INSTALLED IN ACCORDANCE WITH THE TABULATED DATA FOR THE SHIELD.
9. THE ALLOWABLE WIDTH FOR THE ABOVE TABLES ARE BASED ON A 10' HIGH BY 28' LONG MAXIMUM SHIELD SIZE.
10. BEAMS SHALL BE ATTACHED TO THE SHIELDS BY WELDING IN ACCORDANCE WITH AWS D1.1. USE E70XX ELECTRODES. WELDING MAY BE OMITTED IF A BEAM TO PIPE ADAPTER IS USED WITH 2"Ø PIN (MINIMUM TENSILE STRESS OF 150 KSI).
11. THE PIPE SPREADER DOES NOT NEED TO BE INSTALLED WHERE THE BEAM IS BEING USED.



REVISIONS	BY
09/13/17	AA
09/20/17	MM

STEEL PLATE OR SHEET PILES WITH
BEAM END SPREADERS
FOR SHIELD SHORING
CALIFORNIA, ARIZONA, & TEXAS
MANUFACTURER'S TABULATED DATA



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DATE:	05/15/17
DRAWN BY:	M.M.
CHECKED BY:	A.J.V.
DRAWING NO:	15553-1/ S1
SHEET:	1 OF 1

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MANUFACTURERS TABULATED DATA SHEET FOR W14x120 END SPREADERS

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ALLOWABLE DEPTH (FT)	ALLOWABLE WIDTH (FT)			
	A-25	B-45	C-60	C-80
8'-0"	25'-0"	25'-0"	25'-0"	25'-0"
10'-0"	25'-0"	25'-0"	25'-0"	25'-0"
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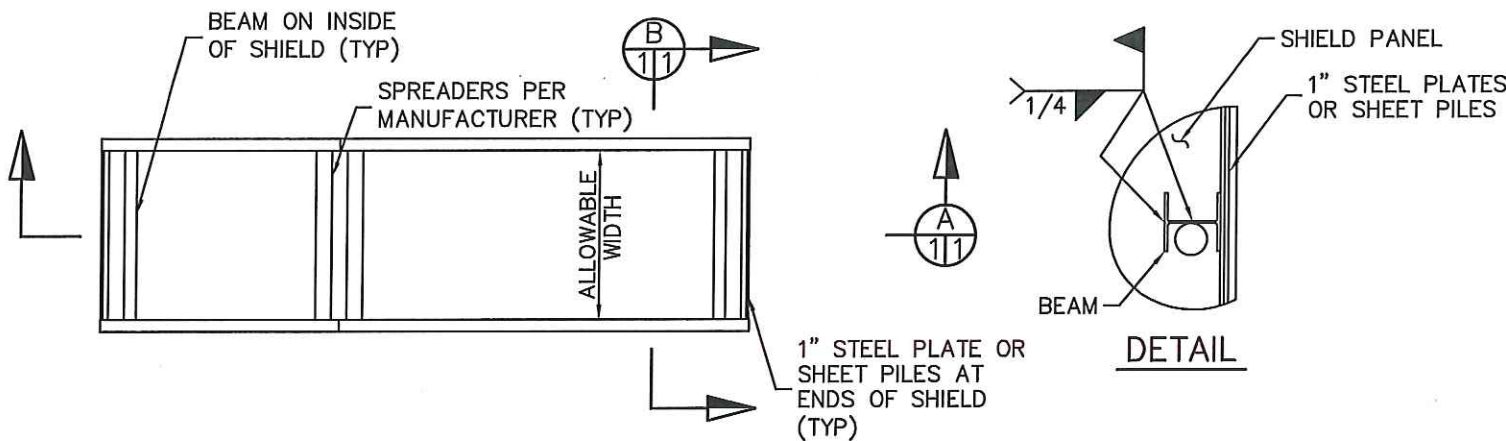
MANUFACTURERS TABULATED DATA SHEET FOR W14x90 END SPREADERS

ALLOWABLE WIDTH: W14x90 BEAM WITH SHEET PILES OR STEEL PLATES AT ENDS FOR TRENCH SHIELDS

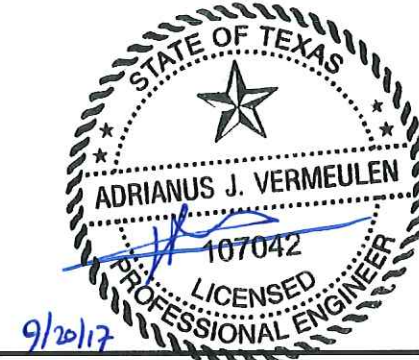
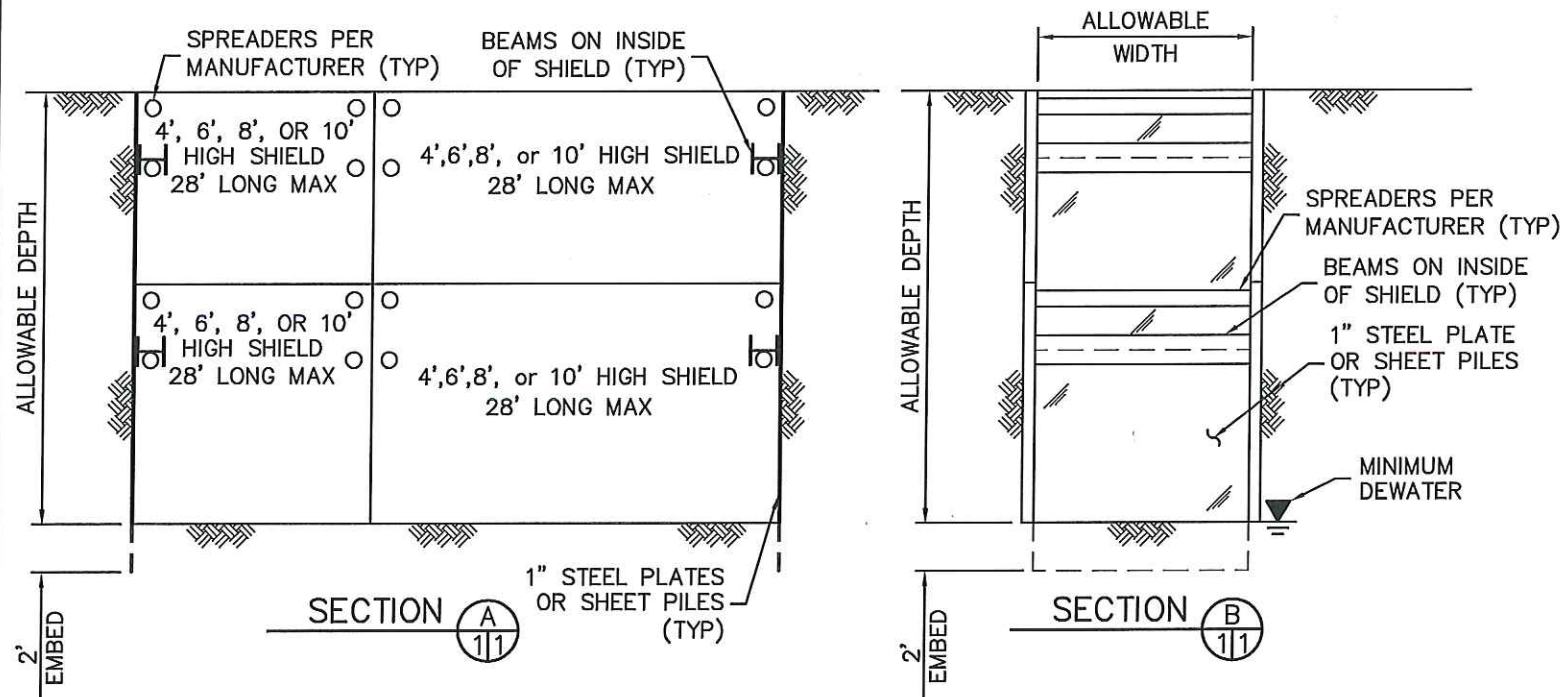
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PLAN VIEW



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Trench
Shore
Rentals
TSR
Trebtor
Shoring
Rentals

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