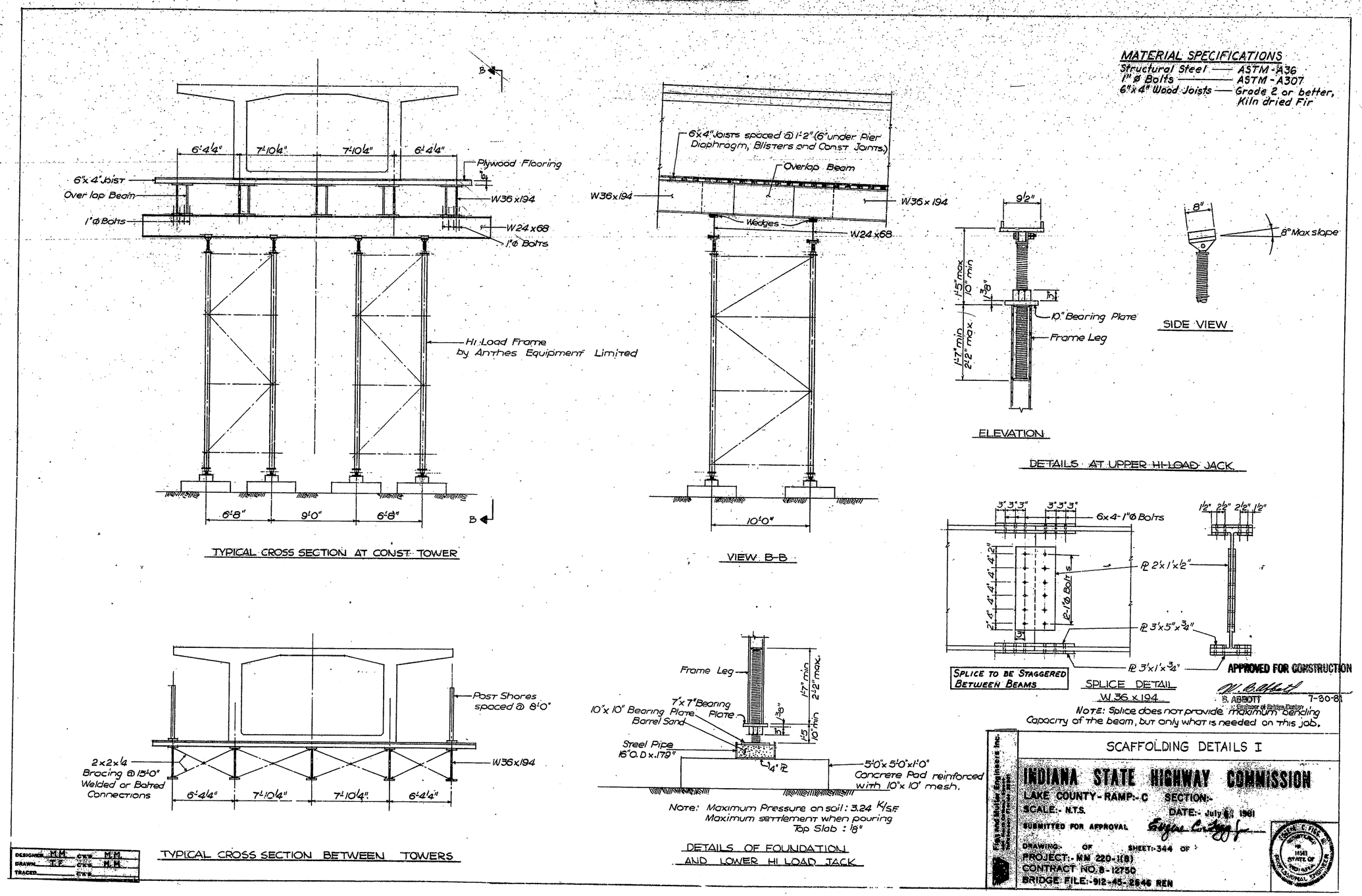
MATERIAL SPECIFICATIONS
Structural Steel — ASTM-A36
1" ø Bolts — ASTM-A307
6"x4" Wood Joists — Grade 2 or better, Kiln dried Fir
6'-4¼"
7'-10¼"
7'-10¼"
6'-4¼"
Plywood Flooring
6"x4" Joist
Over lap Beam
1" ø Bolts
W36x194
W24x68
1" ø Bolts
Hi Load Frame by Anthes Equipment Limited
6'-8"
9'-0"
6'-8"
B
TYPICAL CROSS SECTION AT CONST. TOWER
6"x4" Joists spaced @ 1'-2" (6" under Pier Diaphragm, Blisters and Const Joints)
Overlap Beam
W36x194
W36x194
Wedges
W24x68
10'-0"
VIEW B-B
9½"
1'-5" max
10" min
1'-7" min
2'-2" max
10" Bearing Plate
Frame Leg
ELEVATION
8"
8° Max slope
SIDE VIEW
DETAILS AT UPPER HI-LOAD JACK
3" 3" 3"
3" 3" 3"
6x4-1" ø Bolts
1½" 2½" 2½" 1½"
PL 2'x1'x½"
12-1" ø Bolts
PL 3'x5"x¾"
PL 3'x1'x¾"
SPLICE TO BE STAGGERED BETWEEN BEAMS
SPLICE DETAIL
W36x194
APPROVED FOR CONSTRUCTION
B. ABBOTT
7-30-81
NOTE: Splice does not provide maximum bending capacity of the beam, but only what is needed on this job.
Post Shores spaced @ 8'-0"
2x2x¼ Bracing @ 15'-0" Welded or Bolted Connections
W36x194
6'-4¼"
7'-10¼"
7'-10¼"
6'-4¼"
TYPICAL CROSS SECTION BETWEEN TOWERS
Frame Leg
7"x7" Bearing Plate
10"x10" Bearing Plate
Barrel Sand
Steel Pipe 16" O.D. x .179"
1'-7" min
2'-2" max.
10" min
1'-5"
¼" PL
5'-0"x5'-0"x1'-0" Concrete Pad reinforced with 10"x10" mesh.
Note: Maximum Pressure on soil: 3.24 K/SF
Maximum settlement when pouring Top Slab: 1/8"
DETAILS OF FOUNDATION AND LOWER HI LOAD JACK
DESIGNER M.M. CKD M.M.
DRAWN T.F. CKD M.M.
TRACED CKD
SCAFFOLDING DETAILS I
INDIANA STATE HIGHWAY COMMISSION
LAKE COUNTY-RAMP:-C SECTION:-
SCALE:- N.T.S. DATE:- July 6, 1981
SUBMITTED FOR APPROVAL
DRAWING:- OF SHEET:-344 OF
PROJECT:- MM 220-1(8)
CONTRACT NO. 8-12750
BRIDGE FILE:-912-45-2646 REN
Figg and Muller Engineers Inc.
STATE OF INDIANA
PROFESSIONAL ENGINEER