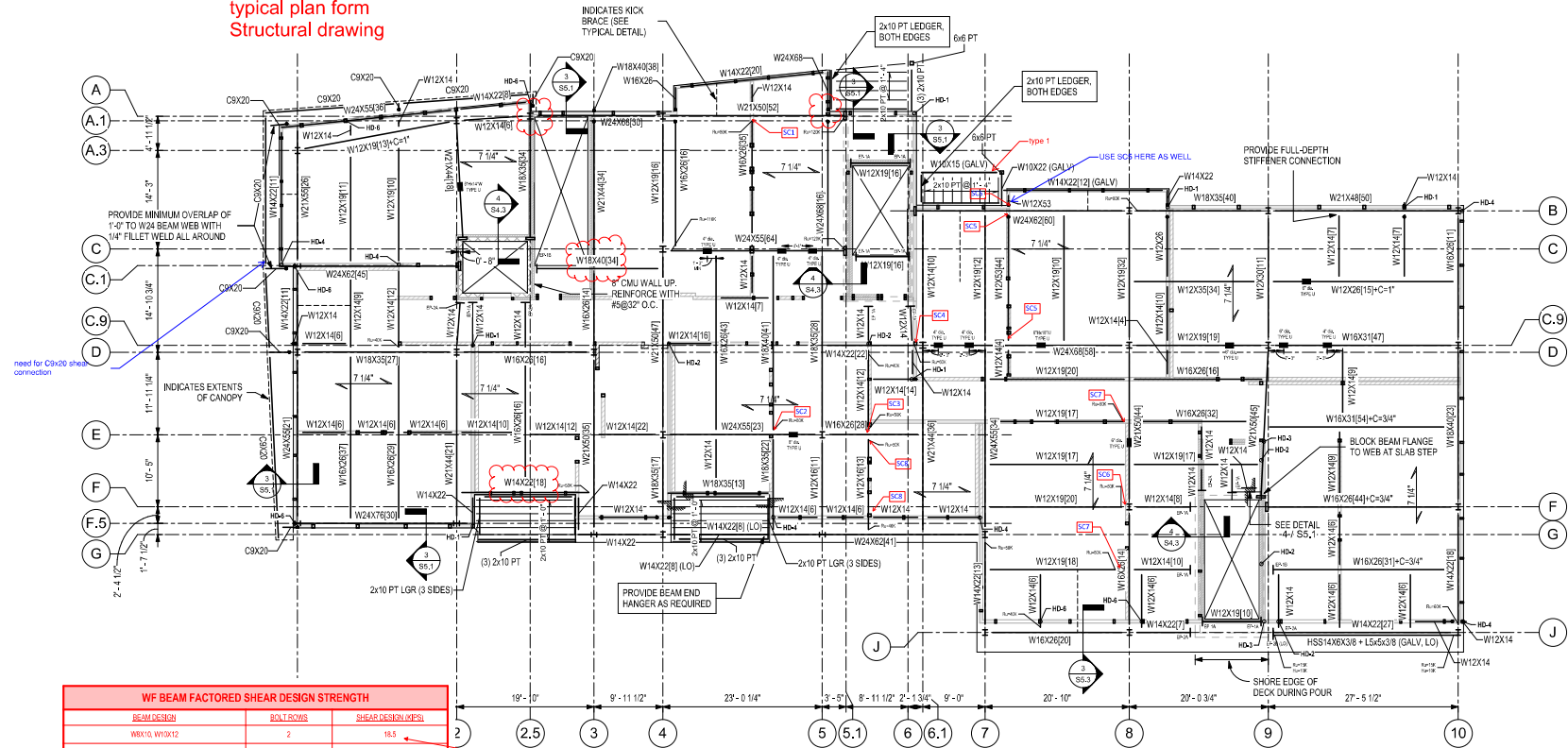
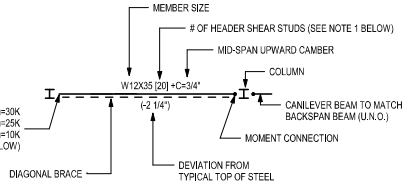


typical plan form  
Structural drawing



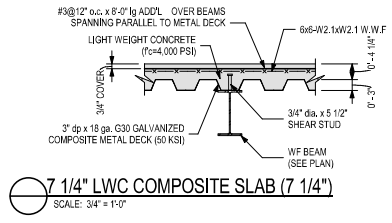
WF BEAM FACTORED SHEAR DESIGN STRENGTH		
BEAM DESIGNATION	BOLT SIZES	SHEAR DESIGN STRENGTH (KIPS)
WBX10, W10X12	2	18.5
WBX13-15, W10X15	2	24.0
WBX18-24, W10X17-24	2	35.9
WBX28, W12X30	2	34.8
W12X14-16	3	33.0
W12X19-30, W14X22-30	3	40.2
W12X35-45, W14X34-48	3	52.1
W12x50, W14x53	3	63.0
W16X26-31	4	60.0
W16X36-40, W16X35-40	4	71.9
W16X45, W18X48-56	4	84.2
W18X50, W21X44-48, W24X35	5	106.7
W21x58, W24x52-76	5	126.5
W24x54, W27x54	6	151.8
W27x54, W30X50-48	7	195.0
W30-108	8	230.0
W33	9	260.0
W36	10	260.0
W40, W44	11	310.0

require capacity given by structural engineer for each type of beam in their drawings, refer next page



BEAM LEGEND

- NOTES:**
- STUD COUNTS ARE SHOWN ON PLAN. THE FOLLOWING MINIMUMS SHALL BE PROVIDED AT ALL BEAMS: (a) AT MOMENT FRAME AND BRACED FRAME BEAMS PROVIDE A MINIMUM OF (1) SHEAR STUD PER 1 FT. (b) AT ALL OTHER BEAMS PROVIDE A MINIMUM OF (1) SHEAR STUD PER 2 FT.
  - THE GENERAL NOTES PROVIDE END SHEAR REACTIONS FOR BEAM CONNECTION DESIGN. WHERE BEAM END REACTIONS ARE POSTED ON PLAN, THE GREATER OF THE GENERAL NOTES AND THE POSTED VALUE SHALL BE USED FOR DESIGN. BEAM END REACTIONS POSTED ON PLANS ARE FACTORED:
    - Rv= FACTORED SHEAR REACTION (VERTICAL DIRECTION)
    - Hv= FACTORED SHEAR REACTION (HORIZONTAL DIRECTION)
    - Pv= FACTORED AXIAL LOAD
    - Tv= FACTORED TORSION LOAD
    - Mv= FACTORED STRONG AXIS MOMENT
    - Mw= FACTORED WEAK AXIS MOMENT



7 1/4" LWC COMPOSITE SLAB (7 1/4")  
SCALE: 3/4" = 1'-0"