Drawing Notes:
1. SEE ATTACHED SHOP DRAWINGS FOR MEMBER DETAILS
2. ALL BOLTS ARE A325, 3/4" dia. HOLES ARE 7/8" dia.
3. ALL WELD IS 1/2", E60
4. ALL SECTIONS ARE A36
MEMBER 2: W12X58

MEMBER 3: W12X58

MEMBER 4:
Composite Member.
See Page
4 of 9

MEMBER 5:
MC18X58

MEMBER 6: W12X58

3/4" Plate TYP.
See detail

7/8" DIA bolt
Hole, 3/4"
DIA Bolt TYP.

Drawing Notes:

1. SEE ATTACHED SHOP DRAWINGS FOR MEMBER DETAILS
2. ALL BOLTS ARE A325, 3/4" dia. HOLES ARE 7/8" dia.
3. ALL WELD IS 1/2", E60
4. ALL SECTIONS ARE A36
Drawing Notes:

1. SECTION TO BE MADE OF W21 X 132 STEEL
2. REINFORCING STIFFENERS ARE TO BE ¾" THICK PLATE
3. ALL BOLTS ARE A325, 3/4" dia. HOLES ARE 7/8" dia.
4. ALL WELD IS 1/2", E60
5. ALL SECTIONS ARE A36

Self Equilibrium Frame
Member 1: Shop Drawing

Designed By: Sanneh S. Badie, Ph.D., P.E.
Drawn By: Johann Askre

Seas
The George Washington University

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02/19/02
Drawing Notes:

1. SECTION TO BE MADE OF W12 X 58 STEEL
2. REINFORCING STIFFENERS ARE TO BE 3/4" THICK PLATE
3. ALL BOLTS ARE A325, 3/4" dia. HOLES ARE 7/8" dia.
4. ALL WELD IS 1/2", E60
5. ALL SECTIONS ARE A36
Drawing Notes:

1. SECTION TO BE MADE OF W12 X 58 STEEL
2. REINFORCING STIFFENERS ARE TO BE 3/4" THICK PLATE
3. ALL BOLTS ARE A325, 3/4" dia. HOLES ARE 7/8" dia.
4. ALL WELD IS 1/2", E60
5. ALL SECTIONS ARE A36
Drawing Notes:

1. SECTION TO BE MADE OF W12 X 58 STEEL & 1/2" Plate
2. ALL SECTIONS ARE A36
3. ALL BOLTS ARE A325, 3/4" dia. HOLES ARE 7/8" dia.
4. ALL WELD IS 1/2", E60
Drawing Notes:

1. SECTION TO BE MADE OF MC18 X 58 STEEL
2. REINFORCING STIFFENERS ARE TO BE 3/4" THICK PLATE
3. ALL BOLTS ARE A325, 3/4" dia. HOLES ARE 7/8" dia.
4. ALL WELD IS 1/2", E60
5. ALL SECTIONS ARE A36

Opposite Cross Section cut on center

TOP VIEW

FRONT ELEVATION
Drawing Notes:

1. SECTION TO BE MADE OF W12 X 58 STEEL
2. REINFORCING STIFFENERS ARE TO BE 3/4" THICK PLATE
3. ALL BOLTS ARE A325, 3/4" dia. HOLES ARE 7/8" dia.
4. ALL WELD IS 1/2", E60
5. ALL SECTIONS ARE A36