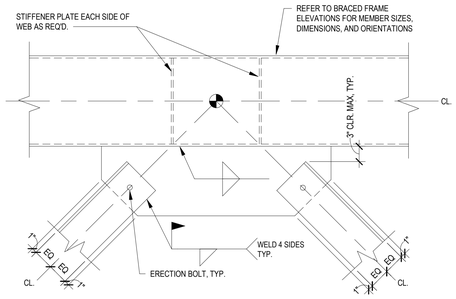
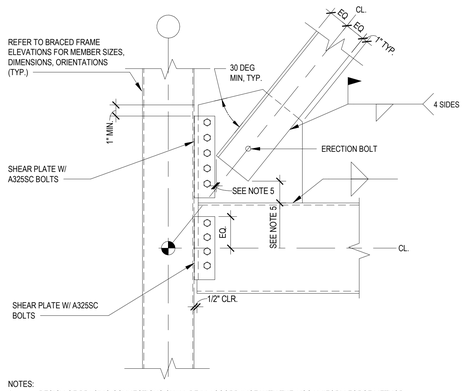


NOTES:
1. DESIGN OF BRACING CONNECTIONS SHALL BE IN ACCORDANCE WITH THE AISC UNIFORM FORCE METHOD.
2. REFER TO BRACE ELEVATION FOR DESIGN FORCES.
3. IF GUSSET LENGTH EXCEEDS MIN. GUSSET TO BEAM WELD LENGTH, PROVIDE A MIN. 3-12 WELD PATTERN FOR THE REMAINING LENGTH OF PLATE ON EACH SIDE OF THE CONTINUOUS WELD.
4. SLOTS IN DOUBLE ANGLE BRACE MEMBERS SHALL BE A MAXIMUM OF 1/8" WIDER THAN GUSSET PLATE THICKNESS (1/16" MAX. EA. SIDE), AND THE SLOT MAY EXTEND UP TO 1" PAST THE EDGE OF THE GUSSET PLATE, TYP.
5. TYPE OF BRACE CONNECTION SHOWN IS FOR GRAPHICAL REPRESENTATION. CONTRACTOR AND STEEL FABRICATOR CAN USE OTHER TYPES OF MOMENT CONNECTIONS THAT MEET THE REQUIRED LOADING.

TYPICAL DOUBLE ANGLE BRACING CONNECTION AT BEAM

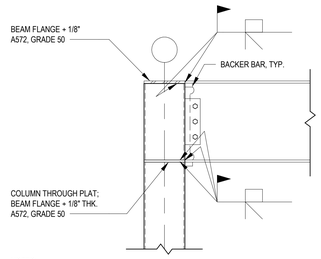
1" = 1'-0" | A | S-401



NOTES:
1. DESIGN OF BRACING CONNECTIONS SHALL BE IN ACCORDANCE WITH THE AISC UNIFORM FORCE METHOD.
2. REFER TO BRACE ELEVATION FOR DESIGN FORCES.
3. ALL BOLTS SHALL BE A325 SLIP CRITICAL (SC) BOLTS IN STANDARD SIZE HOLES.
4. SLOTS IN DOUBLE ANGLE BRACE MEMBERS SHALL BE A MAXIMUM OF 1/8" WIDER THAN GUSSET PLATE THICKNESS (1/16" MAX. EA. SIDE)AND THE SLOT MAY EXTEND UP TO 1" PAST THE EDGE OF THE GUSSET PLATE, TYP.
5. THE SMALLER OF EITHER
   a.) THE VERTICAL DISTANCE FROM THE DOUBLE ANGLE BRACE TO THE BEAM, OR
   b.) THE HORIZONTAL DISTANCE FROM THE DOUBLE ANGLE BRACE TO THE EDGE OF THE GUSSET PLATE CONNECTION ANGLES SHALL NOT EXCEED 3".
6. TYPE OF BRACE CONNECTION SHOWN IS FOR GRAPHICAL REPRESENTATION CONTRACTOR AND STEEL FABRICATOR CAN USE OTHER TYPES OF MOMENT CONNECTIONS THAT MEET REQUIRED LOADING.

TYPICAL DOUBLE ANGLE CONNECTION AT BEAM TO COLUMN

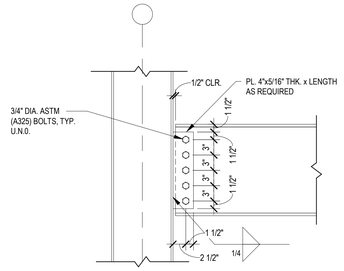
1" = 1'-0" | B | S-401



NOTES:
1. REFER TO FRAMING PLAN & SCHEDULE FOR BEAM AND COLUMN SIZES.
2. COLUMN REINFORCEMENT SHALL BE PROVIDED, IF REQUIRED BY DESIGN, TO WITHSTAND FORCED INDICIATED ON PLAN. TRANSVERSE STIFFENERS WILL BE REQUIRED.
3. MOMENT CONNECTION SHALL BE DESIGNED IN ACCORDANCE WITH AISC 15TH ED.
4. MOMENT CONNECTION SHOWN ON ONE SIDE ONLY FOR CLARITY. BEAMS MAY OR MAY NOT OCCUR ON BOTH SIDES AND OTHER FACES OF COLUMN.
5. TYPE OF MOMENT CONNECTION SHOWN IS FOR GRAPHICAL REPRESENTATION. CONTRACTOR AND STEEL FABRICATOR CAN USE OTHER TYPES OF MOMENT CONNECTIONS THAT MEET THE REQUIRED LOADING.

TYPICAL MOMENT CONNECTION DETAIL

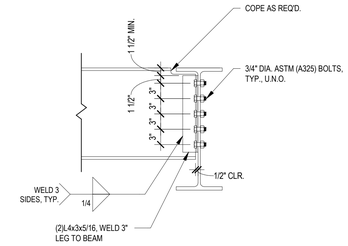
1" = 1'-0" | C | S-401



NOTES:
1. CONCRETE SLAB AND SHEAR STUDS NOT SHOWN FOR CLARITY.
2. REFER TO FRAMING PLANS FOR BEAM AND COLUMN SIZES.
3. TYPE OF CONNECTION SHOWN IS FOR GRAPHICAL REPRESENTATION. CONTRACTOR AND STEEL FABRICATOR CAN USE OTHER TYPES OF CONNECTIONS THAT MEET THE REQUIRED LOADING.

SHEAR PLATE BEAM CONNECTION DETAIL

1" = 1'-0" | D | S-401



NOTES:
1. CONCRETE SLAB AND SHEAR STUDS NOT SHOWN FOR CLARITY.
2. REFER TO FRAMING PLANS FOR BEAM AND COLUMN SIZES.
3. TYPE OF CONNECTION SHOWN IS FOR GRAPHICAL REPRESENTATION. CONTRACTOR AND STEEL FABRICATOR CAN USE OTHER TYPES OF CONNECTIONS THAT MEET THE REQUIRED LOADING

BEAM TO GIRDER CONNECTION DETAIL

1" = 1'-0" | E | S-401

BEAM SHEAR CONNECTION SCHEDULE

BEAM SIZE	MIN. NUMBER OF ROWS OF BOLTS	MIN. CONNECTION SHEAR CAPACITY (ASD)
W8	2	6
W10	2	10
W12, HSS 12	3	25
W14	3	25
W16	3	35
W18	4	48
W21	4	60
W24	5	70
W27	6	85
W30	7	100
W33	7	110
W36	8	150
W40 - W44	9	180

NOTE:
ALL WIDE FLANGE STEEL CONNECTIONS SHALL BE DESIGNED FOR THE FORCES NOTED ABOVE UNLESS OTHERWISE INDICATED ON THE FRAMING PLANS.

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Drawing Title: CONNECTION INFORMATION
Approved:
Phase: ISSUED FOR CONSTRUCTION
FULLY SPRINKLERED
Project Title: NEW COMMUNITY LIVING CENTER
Location: 2094 Albany Post Road, Montrose, NY 10548
Issue Date: 05/09/2022
Checked: WCW
Drawn: SIR
Project Number: 620-334
Building Number: CLC
Drawing Number: S-401

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