STRUCTURAL FOUNDATION SCHEDULE

MARK	WIDTH	LENGTH	THICKNESS	REINFORCEMENT
F4	4' - 0"	4' - 0"	1' - 0"	(4) #6 BARS EACH WAY BOTTOM
F6	6' - 0"	6' - 0"	1' - 8"	(6) #6 BARS EACH WAY BOTTOM

STRUCTURAL PIER SCHEDULE

MARK	SIZE	VERTICAL REINFORCEMENT
P1	18" x 24"	(4) #10 BARS
P2	24" x 24"	(4) #10 BARS
P3	24" x 24"	(4) #10 BARS
P4	24" x 24"	(4) #10 BARS

NOTE: SEE TYPICAL PIER DETAILS FOR ADDITIONAL LAYOUT AND REINFORCEMENT INFORMATION.

REINFORCING LAP LENGTH SCHEDULES

REINFORCING LAP LENGTH
CONCRETE STRENGTH = 3,000 PSI

BAR SIZE	LAP CLASS	TOP	OTHER
#3	B	28"	22"
#4	B	38"	29"
#5	B	47"	36"
#6	B	56"	43"
#7	B	81"	63"
#8	B	93"	72"

REINFORCING LAP LENGTH
CONCRETE STRENGTH = 4,000 PSI

BAR SIZE	LAP CLASS	TOP	OTHER
#3	B	25"	19"
#4	B	33"	25"
#5	B	41"	31"
#6	B	49"	37"
#7	B	71"	54"
#8	B	81"	62"

NOTES:

1. TABLE TO BE INCLUDED ON ALL REINFORCING SHOP DRAWINGS.
2. TENSION DEVELOPMENT AND LAP SPLICE LENGTHS FOR BARS IN WALLS, SLABS, AND FOOTINGS.
3. FOR EPOXY COATED REBAR MULTIPLY LAP LENGTH VALUES BY 1.3.

COLUMN SCHEDULE

MARK	SIZE	BASE PLATE	ANCHOR RODS	REMARKS
C-1	HSS 6x6x3/8"	SEE DETAIL	SEE DETAIL	

BEARING PLATE SCHEDULE

MARK	THICK	WIDTH	LENGTH	REMARKS
BP-1	3/4"	7"	1'-4"	(2) 1/2" DIA. EPOXY ANCHORS
BP-2	3/8"	7"	1'-4"	W/ (2) F.B. ANCHORS

COLD FORMED STEEL SCHEDULE

GAUGE	MILS	MIN THICKNESS (INCHES)
20	33	0.0329
18	43	0.0428
16	54	0.0538
14	68	0.0677
12	97	0.0966
10	118	0.1245

LIGHT GAUGE HEADER SCHEDULE

MARK	SIZE	END JAMB (SEE DETAIL AT LIGHT GAUGE HEADER SUPPORT)	CHANNEL TO CHANNEL CONNECTIONS (SEE DETAIL AT LIGHT GAUGE HEADER SUPPORT)
RH-1	(2) 600S250-54	JAMBS TO MATCH BEARING WALL STUD SIZE	#14 TEK SCREWS @ 10" O.C.
RH-2	(2) 1200S250-97		#14 TEK SCREWS @ 10" O.C.
RH-3	(2) 1200S250-97		#14 TEK SCREWS @ 10" O.C.
RH-4	(2) 800S250-97		#14 TEK SCREWS @ 10" O.C.
RH-5	(2) 1200S250-118		#14 TEK SCREWS @ 10" O.C.
H-1	(2) 800S250-97		#14 TEK SCREWS @ 10" O.C.
H-2	(2) 1400S250-118		#14 TEK SCREWS @ 10" O.C.
H-3	(2) 1400S250-118		#14 TEK SCREWS @ 10" O.C.
H-4	(2) 1400S250-97		#14 TEK SCREWS @ 10" O.C.
H-5	(2) 1200S250-97		#14 TEK SCREWS @ 10" O.C.
H-6	(2) 1400S250-97		#14 TEK SCREWS @ 10" O.C.
H-7	(2) 1400S250-118		#14 TEK SCREWS @ 10" O.C.

NOTE:
1. HEADER CALLOUTS FOLLOWED BY DESIGNATION "B" INDICATE THAT THE HEADER WILL HAVE FLANGES TURNED INWARD WITH HEADER MEMBERS CONNECTED TO A TRACK OF EQUAL THICKNESS, TOP AND BOTTOM, FORMING A CLOSED SECTION.

HOLD-DOWN SCHEDULE

HOLD-DOWN DESIGNATION	HOLD-DOWN	HOLD-DOWN FASTENERS	
		TO CHORDS	ANCHOR BOLT
HD-1	SIMPSON S/HDU4 (TOP & BOT)	(6) #14 SCREWS	5/8" Ø
HD-2	SIMPSON S/HDU6 (TOP & BOT)	(12) #14 SCREWS	5/8" Ø
HD-3	SIMPSON S/HDU9 (TOP & BOT)	(18) #14 SCREWS	7/8" Ø
HD-4	SIMPSON S/HDU11 (TOP & BOT)	(27) #14 SCREWS	7/8" Ø W/ HEAVY HEX NUT

NOTES:
1. SHEAR WALLS DESIGNATED ON A LEVEL ARE THE WALLS ABOVE THAT LEVEL.
2. PROVIDE SHEARWALL HOLD-DOWN PER SCHEDULE THROUGH FLOOR AT EACH END OF SHEARWALLS. REFER TO TYPICAL SHEAR WALL HOLD-DOWN DETAIL.
3. ANCHOR BOLTS SHALL BE A36 THREADED RODS.

LIGHT GAUGE BEARING WALL SCHEDULE

LEVEL	INTERIOR WALL	INTERIOR WALL TOP/BTM TRACK	INTERIOR JAMB (SEE NOTE 5)	TYPICAL EXTERIOR WALL	EXTERIOR WALL TOP/BTM TRACK	EXTERIOR JAMB (SEE NOTE 5)
4TH TO ROOF	600S250-54 @ 2'-6"	600S300-118	(2) STUD	600S250-68 @ 1'-4" (NOTE 5)	600S300-97	(2) STUD
3RD TO 4TH	600S250-97 @ 2'-6"	600S300-97	(2) STUD	600S250-68 @ 1'-4"	600S300-97	(2) STUD
2ND TO 3RD	600S300-118 @ 2'-6"	600S300-97	(2) STUD	600S250-68 @ 1'-4"	600S300-97	(2) STUD

NOTES:

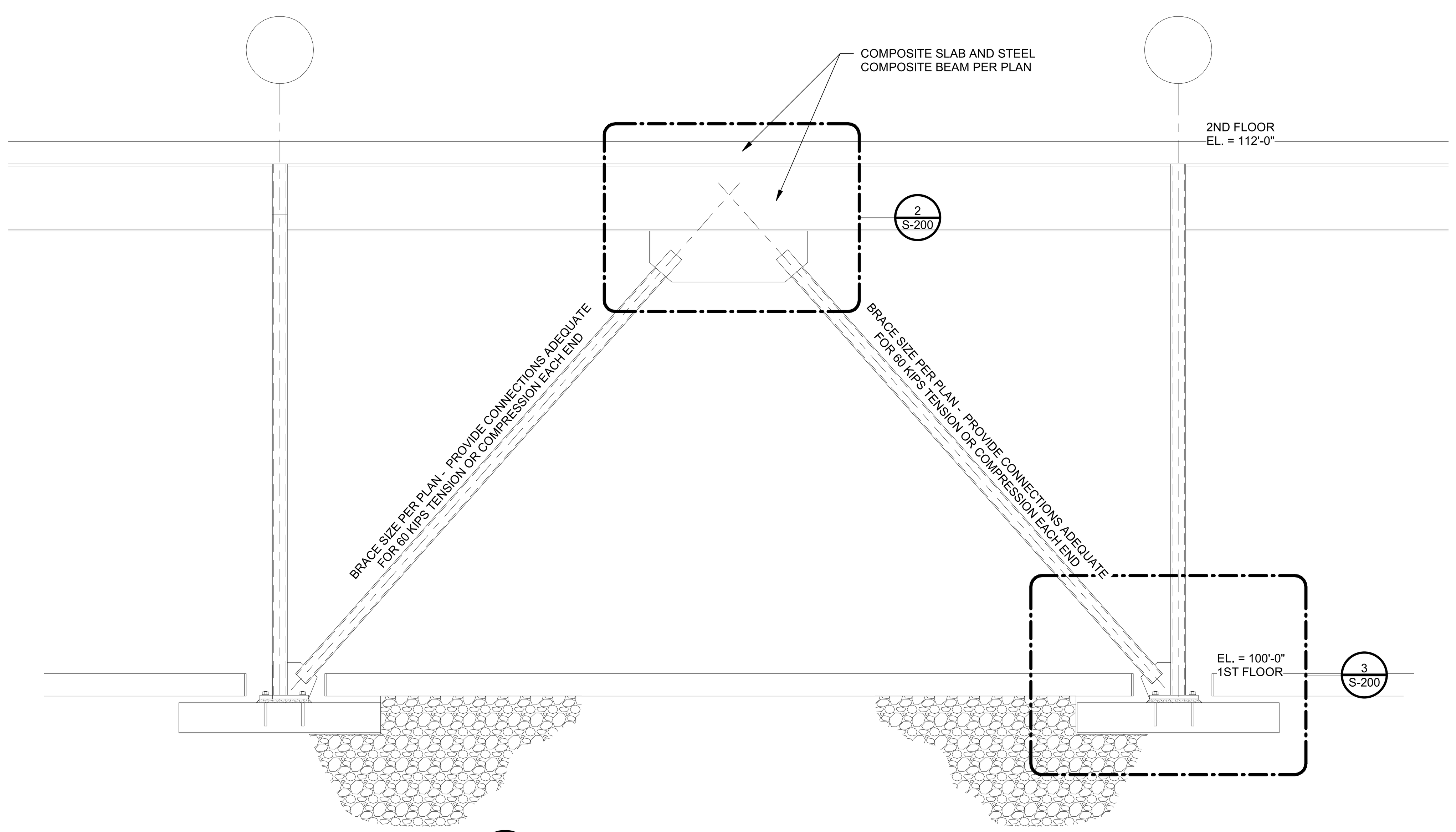
1. ALL STUDS AND ACCESSORIES SHALL BE Fy = 50 KSI
2. BOTTOM TRACK ON GRADE SHALL BE HOT DIPPED GALVANIZED (G60)
3. SEE DETAIL AT LIGHT GAUGE HEADER SUPPORT FOR ADDITIONAL INFORMATION.
4. ALL JAMB STUDS SHALL EXTEND DOWN TO BEAR AT THE GROUND FLOOR SLAB ON GRADE. POSITION OF JAMB STUD FOR ALL HEADERS SHALL BE COORDINATED TO AVOID REDUCING WIDTH OF CORRIDOR ON FLOORS BELOW.
5. INDICATES STUD SIZE AND SPACING SCHEDULED IS TYPICAL FOR WALLS WITH PARAPET HEIGHT LIMITED TO 2'-6". FOR WALLS WITH PARAPET HEIGHTS BETWEEN 2'-6" TO 4'-0", USE 600S250-97 @ 1'-4" OC. FOR WALLS WITH PARAPET HEIGHTS BETWEEN 4'-0 TO 7'-6", USE 600S300-118 @ 1'-0" OC MAX.

SHEAR WALL SCHEDULE

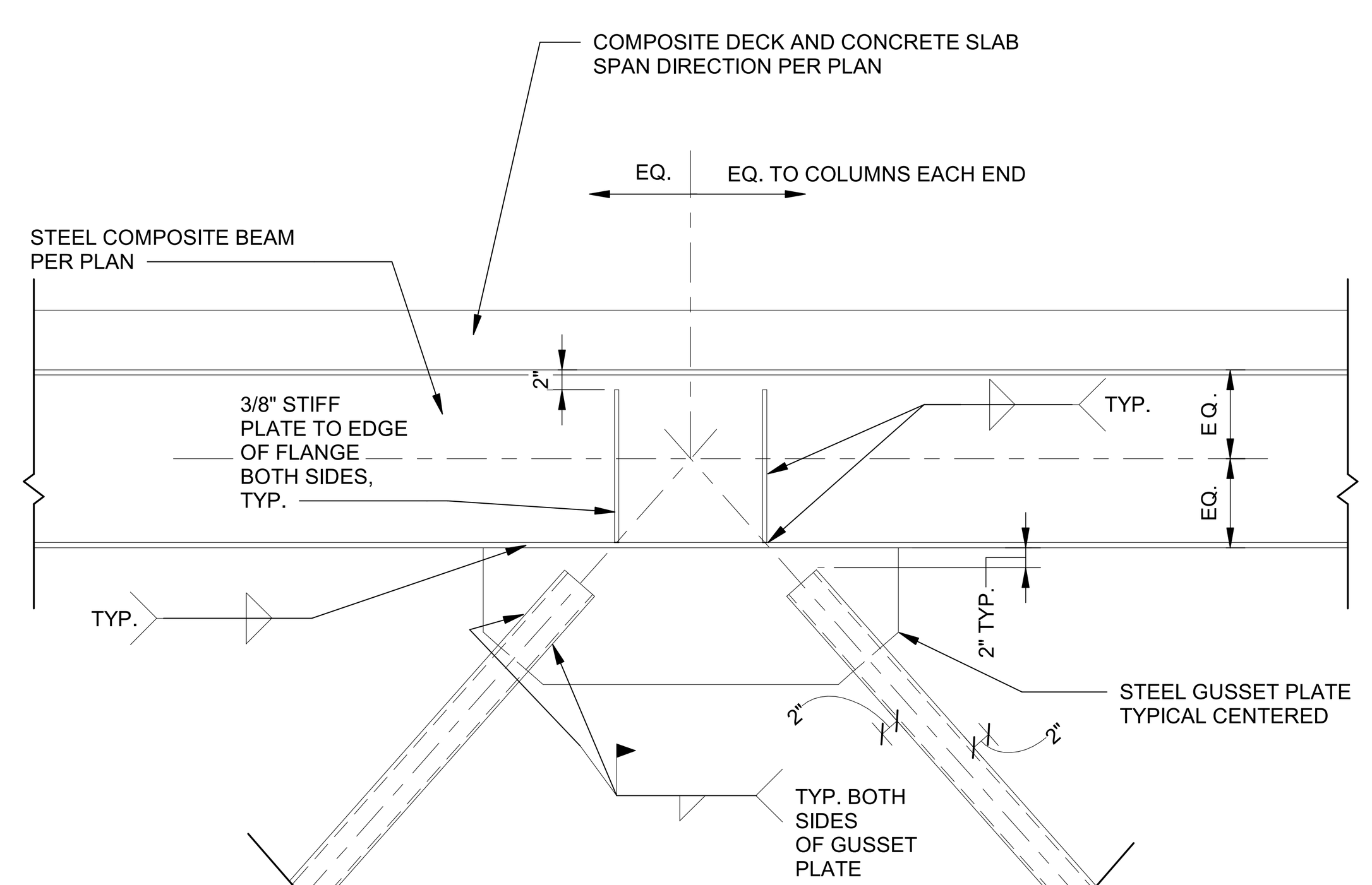
SHEAR WALL DESIGNATION	MINIMUM STUD SIZE	MAXIMUM STUD SPACING	TOP/BTM TRACKS	CHORD STUDS	SHEATHING TYPE	SHEATHING FASTENERS
SWA	600S250-54	24"	600S300-118	(2) STUD	3/4" DEEP (26 GAUGE) CORRUGATED STEEL PANELS ON (1) SIDE OF WALL WITH STRAP BRACES ABOVE TOP OF PANEL	#10 SCREWS @ 6" OC AT PANEL EDGES
SWB	600S250-68	16"	600S300-97	(2) STUD	3/4" DEEP (26 GAUGE) CORRUGATED STEEL PANELS FULL HEIGHT ON INSIDE FACE OF WALL	#10 SCREWS @ 6" OC AT PANEL EDGES
SWC	600S250-97	24"	600S300-97	(2) STUD	3/4" DEEP (26 GAUGE) CORRUGATED STEEL PANELS ON (1) SIDES OF WALL WITH STRAP BRACES ABOVE TOP OF PANEL	#10 SCREWS @ 6" OC AT PANEL EDGES
SWD	600S250-97	24"	600S300-97	(2) STUD	3/4" DEEP (26 GAUGE) CORRUGATED STEEL PANELS ON (2) SIDES OF WALL WITH STRAP BRACES ABOVE TOP OF PANEL	#10 SCREWS @ 6" OC AT PANEL EDGES
SWE	600S250-117	24"	600S300-97	(2) STUD	3/4" DEEP (26 GAUGE) CORRUGATED STEEL PANELS ON (2) SIDES OF WALL WITH STRAP BRACES ABOVE TOP OF PANEL	#10 SCREWS @ 6" OC AT PANEL EDGES

NOTES:

1. SHEAR WALLS DESIGNATED ON A LEVEL ARE THE WALLS ABOVE THAT LEVEL,
2. PROVIDE SHEAR WALL HOLD-DOWN PER SCHEDULE THROUGH FLOOR AT EACH END OF SHEAR WALL. FOR LOCATIONS WHERE A SHEAR WALL STOPS AT A FLOOR, PROVIDE STUDS MATCHING THE SHEAR WALL CHORD STUDS WITH HOLD-DOWN CONNECTIONS TOP AND BOTTOM, ALL FLOORS, CONTINUOUS DOWN TO FOUNDATION. REFER TO TYPICAL SHEAR WALL HOLD-DOWN DETAIL.
3. ALL STUDS AND ACCESSORIES SHALL BE Fy = 50 KSI
4. BOTTOM TRACK ON GRADE SHALL BE HOT DIPPED GALVANIZED (G60)
5. COORDINATE STUD SIZES WITH SIZES SCHEDULED FOR BEARING WALLS AND USE LARGER SCHEDULED MEMBER SIZE.
6. AT LOCATIONS WHERE METAL PANELS ARE CONFLICTING WITH ARCHITECTURAL FINISHES AND THEREFORE ARE NOT FEASIBLE, PROVIDE FULL HEIGHT SHEAR STRAP BRACING INSTEAD. SEE TYPICAL FULL HEIGHT SHEAR STRAP X-BRACING DETAIL FOR SIZE, LAYOUT AND SPACING OF STRAP BRACING ALONG THE FULL LENGTH OF SHEAR WALL SHOWN ON PLAN. SEE TYPICAL SHEAR STRAP BRACING DETAILS FOR SIZE, LAYOUT AND SPACING OF STRAP BRACING ALONG THE FULL LENGTH OF SHEAR WALL SHOWN ON PLAN.

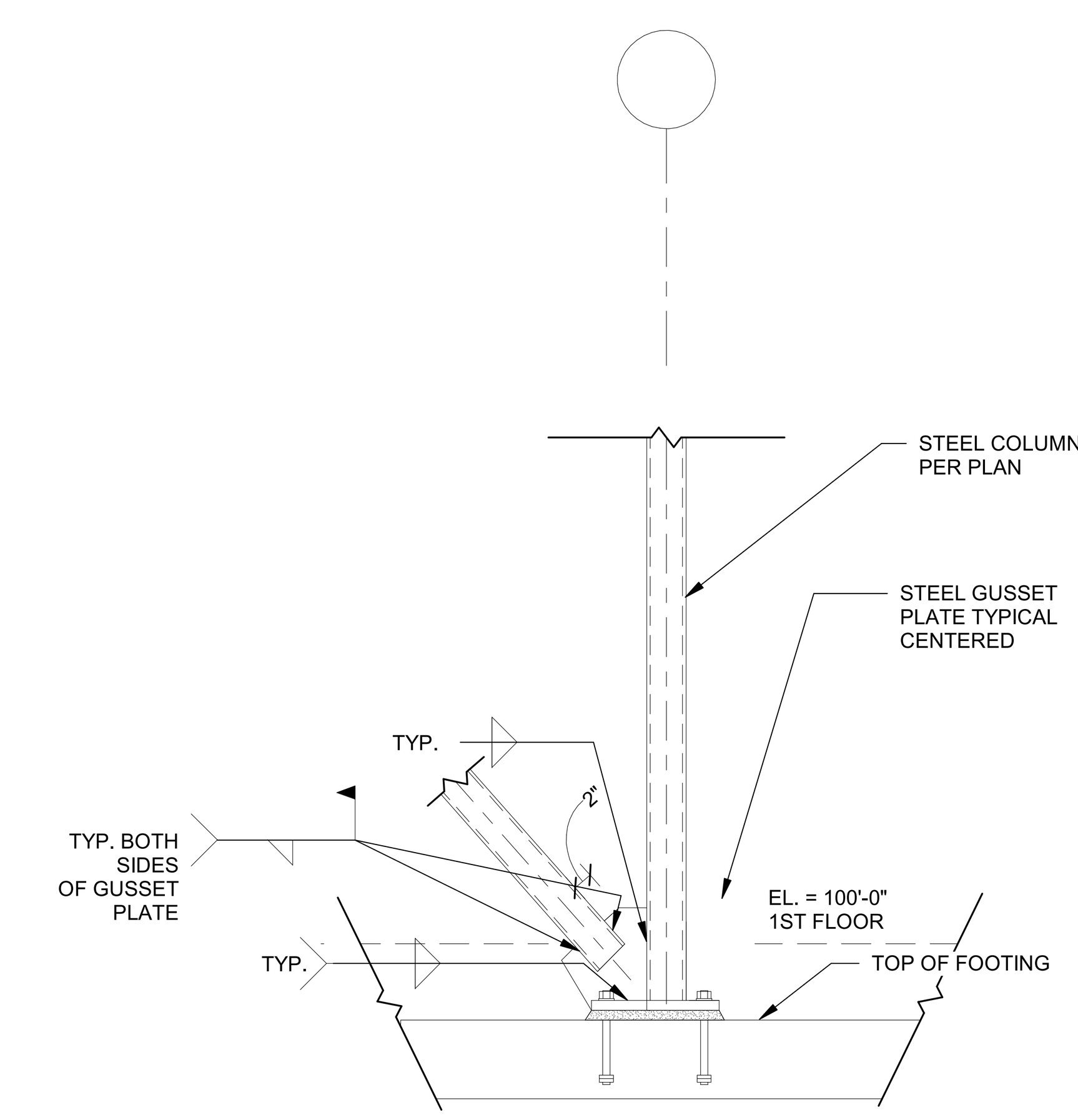


1 **TYPICAL BRACED FRAME ELEVATION**
SCALE: 1/2" = 1'-0"



NOTE: PROVIDE CONNECTIONS ADEQUATE FOR BRACE FORCES 60 KIPS TENSION OR COMPRESSION EACH END FORCES PROVIDED ARE AISC ASD LEVEL FORCES.

2 **BRACED FRAME CONNECTION AT BEAM**
SCALE: 3/4" = 1'-0"



NOTE: PROVIDE CONNECTIONS ADEQUATE FOR 60 KIPS TENSION OR COMPRESSION EACH END FORCES PROVIDED ARE AISC ASD LEVEL FORCES

3 **BRACED FRAM CONNECTION TO COLUMN**
SCALE: 3/4" = 1'-0"

REVISIONS

No.	Date	Description
1	7/1/2022	ISSUED FOR PERMIT

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