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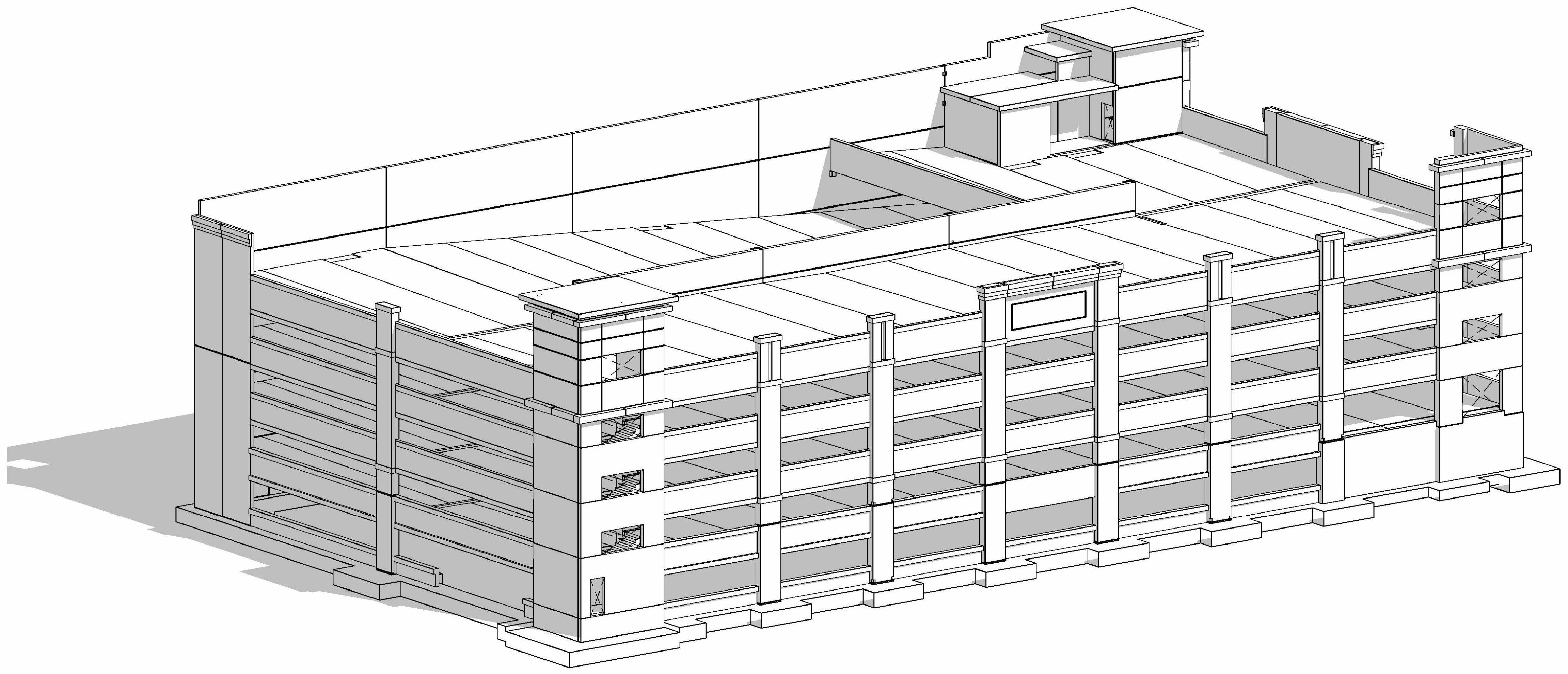
GRANITE RUN PHASE II PARKING GARAGE

MIDDLETOWN TOWNSHIP, PA

GENERAL CONTRACTOR:	STRUCTURAL ENGINEER:	ARCHITECT:	PRECASTER:	PRECAST SPECIALTY ENGINEER:
BT Granite Run Apartments 2, LP	BALA Engineers 443 South Gulp Road King of Prussia, PA 19406	THE MARTIN ARCHITECTURAL GROUP 240 North 22nd Street Philadelphia, PA, 19103	JERSEY PRECAST 853 Nottingham Way Hamilton Township, NJ 08638	THE CONSULTING ENGINEERS GROUP INC, A TEXAS CORP. 16302 PLESANTVILLE ROAD - SUITE 100 SAN ANTONIO, TX 78233

ABBREVIATIONS:

"JPC" = Jersey Precast Inc.
"CEG" = The Consulting Engineering Group (Texas)
"A/E/C" = Architect / Engineer (Structural Enginner of Record) / Contractor (General)
"C.I.P" = Cast-in-Place Concrete
"DBA" = Deformed Bar Anchor
"DIA" = Diameter
"DT" or "T" = Double Tee
"EA" = Each
"EL" = Elevation
"FF" = Finished Floor
"HAS" = Headed Anchor Stud
"HSS" = Hollow Structural Steel (i.e. steel tube)
"ID" = Inner Diameter
"IT" = Inverted-tee Beam/Girder
"JT" = Joint
"L" = Angle
"LG" = Long
"O.H." = Opposite Hand
"PL" = Plate
"PROJ." = Projection
"SIM" = Similar
"U.N.O." = Unless Noted Otherwise



CHRIS C. KERCSMAR
PE062269
2/22/2

ERECTION NOTES

E-1 Access to and on the job site shall be maintained by the Owner/General Contractor at all times, so that erection and delivery equipment can move under their own power and work uninterrupted.

E-2 Precast components shall be temporarily braced at time of erection until final connections are made and building is stable.

E-3 Dry pack between column and foundation shall have a minimum strength of 8000 psi. Dry pack at wall panel to wall panel horizontal joints and wall panel to foundation joints and at column splices shall have a minimum strength of 6000 psi.

E-4 Dry packing under column base plates shall be done prior to erecting more than 1 supported level.

E-5 Dry packing under load bearing walls shall be done prior to erecting more than 1 supported level.

E-6 Wall panels to be erected on shims located near the ends of the panel or as shown on the erection drawings.

E-7 Precast components shall be erected within PCI tolerances.

E-8 DT's shall be erected to obtain approximately the same bearing length at both ends. A minimum of 4 1/2" bearing is required.

E-9 Bearing pads shall be placed square and flush with ends of beams, double tees and spandrels.

E-10 Welding shall follow AWS procedures. Use E70XX electrodes unless noted otherwise. For galvanized connections, the use of 6011 electrodes in lieu of grinding off galvanizing, is acceptable.

E-11 Where shims are required, if more than one shim is required, steel shims shall be used and tack welded together up to 3 total shims. Shim heights greater than 2" shall be approved by CEG.

E-12 Openings smaller than 6" shall be core-drilled or saw-cut in the field by others after approval by JPC. Drain openings shall be field-drilled as shown in these drawings.

E-13 Where necessary, the precast erector shall shim double tee and beam bearing conditions to bring offsets within tolerance.

E-14 The precast erector shall provide shoring as required under beams to prevent "rolling" as load is temporarily applied to one side only (ex. Loading IT-beams unevenly during the erection process).

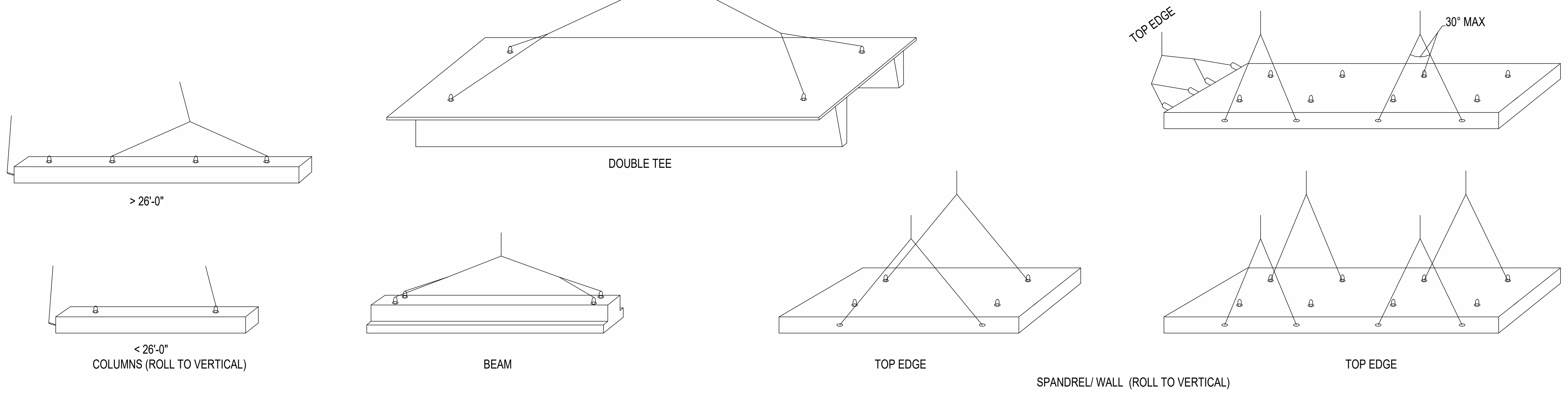
E-15 The joint width between adjacent precast double tee members will increase at the ramps. The precast erector shall account for this increase when erecting these members.

E-16 During erection, stability of structure shall be maintained at all times until all connections are completed. The engineering design of a bracing plan is not by CEG.

E-17 Connections of lateral load elements shall be made upon erection of the floor units.

E-18 Dry-pack or flowable grout 8,000 psi(min.) in joint. Grout shall be installed prior to erecting DTs.

PRODUCT HANDLING:



DRAWN BY: OPK
CHECKED BY:
DATE: 10/21/2022

SUBMITTALS/REVISIONS:

A	FOR APPROVAL	01/05/23

The CONSULTING ENGINEERS GROUP Inc.
16302 Pleasantville Road - SUITE 100 - SAN ANTONIO, TX 78233
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PROJECT:
GRANITE RUN PHASE II
MIDDLETOWN TOWNSHIP, PA
DRAWING INDEX AND GENERAL NOTES

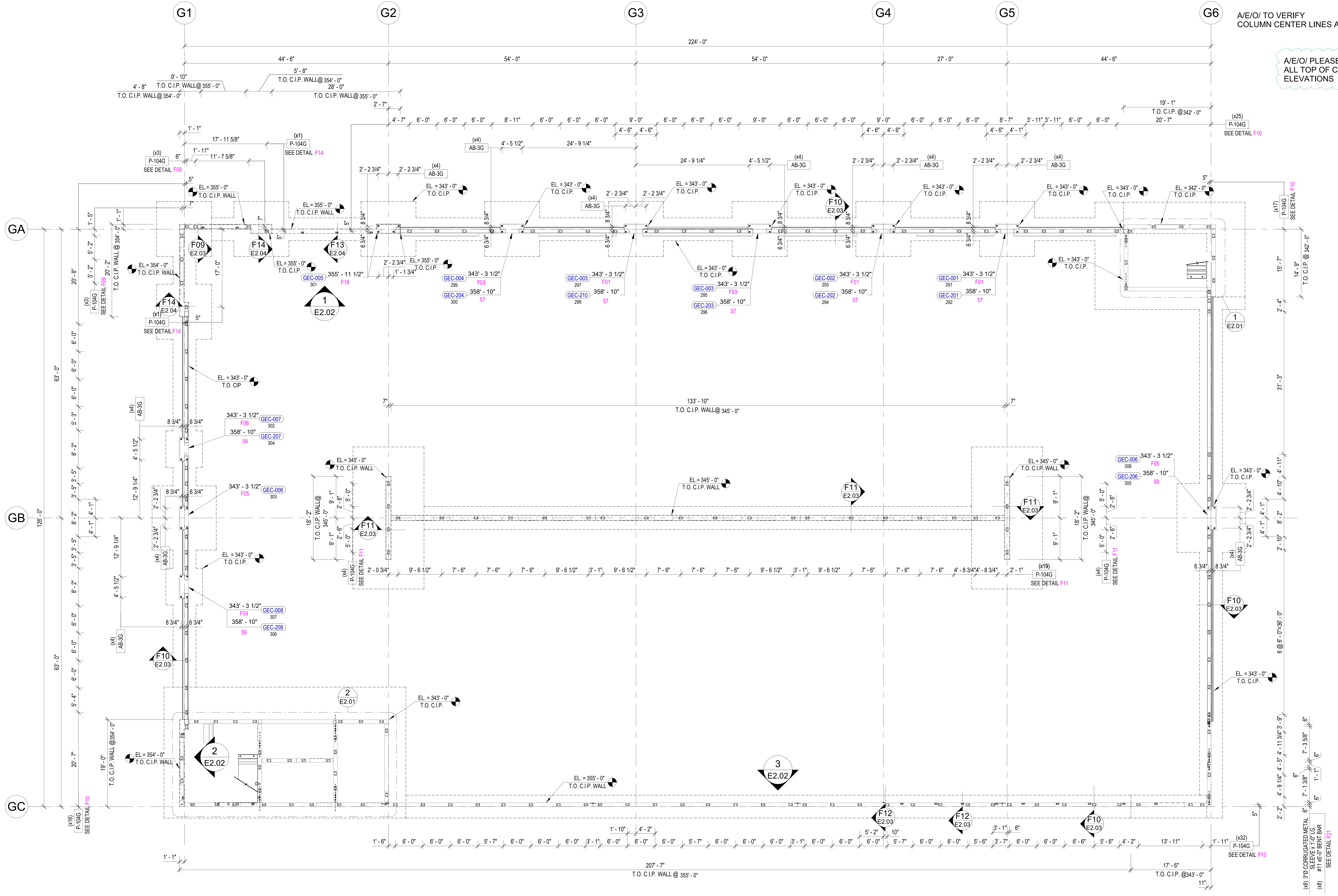
JERSEY PRECAST
853 NOTTINGHAM WAY
HAMILTON TOWNSHIP, NJ 08638
PH: 609-689-3700 FAX: 609-689-3797

CEG JOB NO. 22551
JOB NO. 22040
SHEET NO. E1.00

NOTE:

A/E/O/ TO VERIFY
COLUMN CENTER LINES AND ELEVATION

A/E/O/ PLEASE VERIFY
ALL TOP OF C.I.P.
ELEVATIONS


G1
G2
G3
G4
G5
G6
GA
GB
GC
224' - 0"
44' - 6"
54' - 0"
54' - 0"
27' - 0"
44' - 6"
126' - 0"
63' - 0"
63' - 0"
4' - 8" T.O. C.I.P. WALL@ 354' - 0"
9' - 10" T.O. C.I.P. WALL@ 355' - 0"
5' - 8" T.O. C.I.P. WALL@ 354' - 0"
28' - 0" T.O. C.I.P. WALL@ 355' - 0"
19' - 1" T.O. C.I.P. @342' - 0"
20' - 7"
(x25) P-104G SEE DETAIL F10
(x1) P-104G SEE DETAIL F14
(x3) P-104G SEE DETAIL F09
(x4) AB-3G
EL = 355' - 0" T.O. C.I.P. WALL
EL = 343' - 0" T.O. C.I.P.
EL = 342' - 0" T.O. C.I.P.
EL = 354' - 0" T.O. C.I.P. WALL
EL = 345' - 0" T.O. C.I.P. WALL
F09 E2.03
F14 E2.04
F13 E2.04
F10 E2.03
F11 E2.03
F12 E2.03
1 E2.02
2 E2.02
3 E2.02
1 E2.01
2 E2.01
GEC-005 301 355' - 11 1/2" F18
GEC-004 299 343' - 3 1/2" F03
GEC-204 300 358' - 10" 57
GEC-003 297 343' - 3 1/2" F01
GEC-210 298 358' - 10" 57
GEC-003 295 343' - 3 1/2" F03
GEC-203 296 358' - 10" 57
GEC-002 293 343' - 3 1/2" F01
GEC-202 294 358' - 10" 57
GEC-001 291 343' - 3 1/2" F01
GEC-201 292 358' - 10" 57
GEC-007 302 343' - 3 1/2" F06
GEC-207 304 358' - 10" 59
GEC-006 303 343' - 3 1/2" F05
GEC-008 307 343' - 3 1/2" F04
GEC-208 306 358' - 10" 59
GEC-006 308 343' - 3 1/2" F05
GEC-206 305 358' - 10" 59
133' - 10" T.O. C.I.P. WALL@ 345' - 0"
18' - 2" T.O. C.I.P. WALL@ 345' - 0"
(x4) P-104G SEE DETAIL F11
(x19) P-104G SEE DETAIL F11
(x17) P-104G SEE DETAIL F10
14' - 9" T.O. C.I.P. @ 342' - 0"
6 @ 6' - 0"=36' - 0"
19' - 0" T.O. C.I.P. WALL @354' - 0"
(x16) P-104G SEE DETAIL F10
207' - 7" T.O. C.I.P. WALL @ 355' - 0"
17' - 6" T.O. C.I.P. @343' - 0"
(x32) P-104G SEE DETAIL F10
(x8) 3'0 CORRUGATED METAL SLEEVE x 1'-0" LG. #11 x6'-0" BENT BAR SEE DETAIL F21

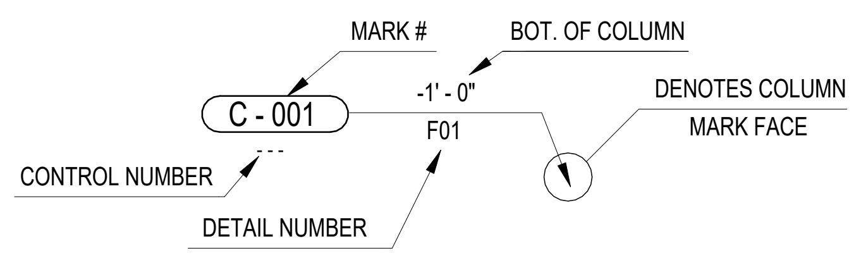
1 FOUNDATION EMBED PLAN

E2.00

SCALE: 1" = 10'-0"

CHRIS C. KERCSMAR
PE062269

NORTH


MARK #
BOT. OF COLUMN
C - 001
-1' - 0"
F01
CONTROL NUMBER
DETAIL NUMBER
DENOTES COLUMN MARK FACE

PIECE MARKS

DRAWN BY:
ODS
CHECKED BY:
OVV/
DATE:
12/19/2022

SUBMITTALS/REVISIONS:

A	FOR APPROVAL	01/05/23

The CONSULTING ENGINEERS GROUP Inc.
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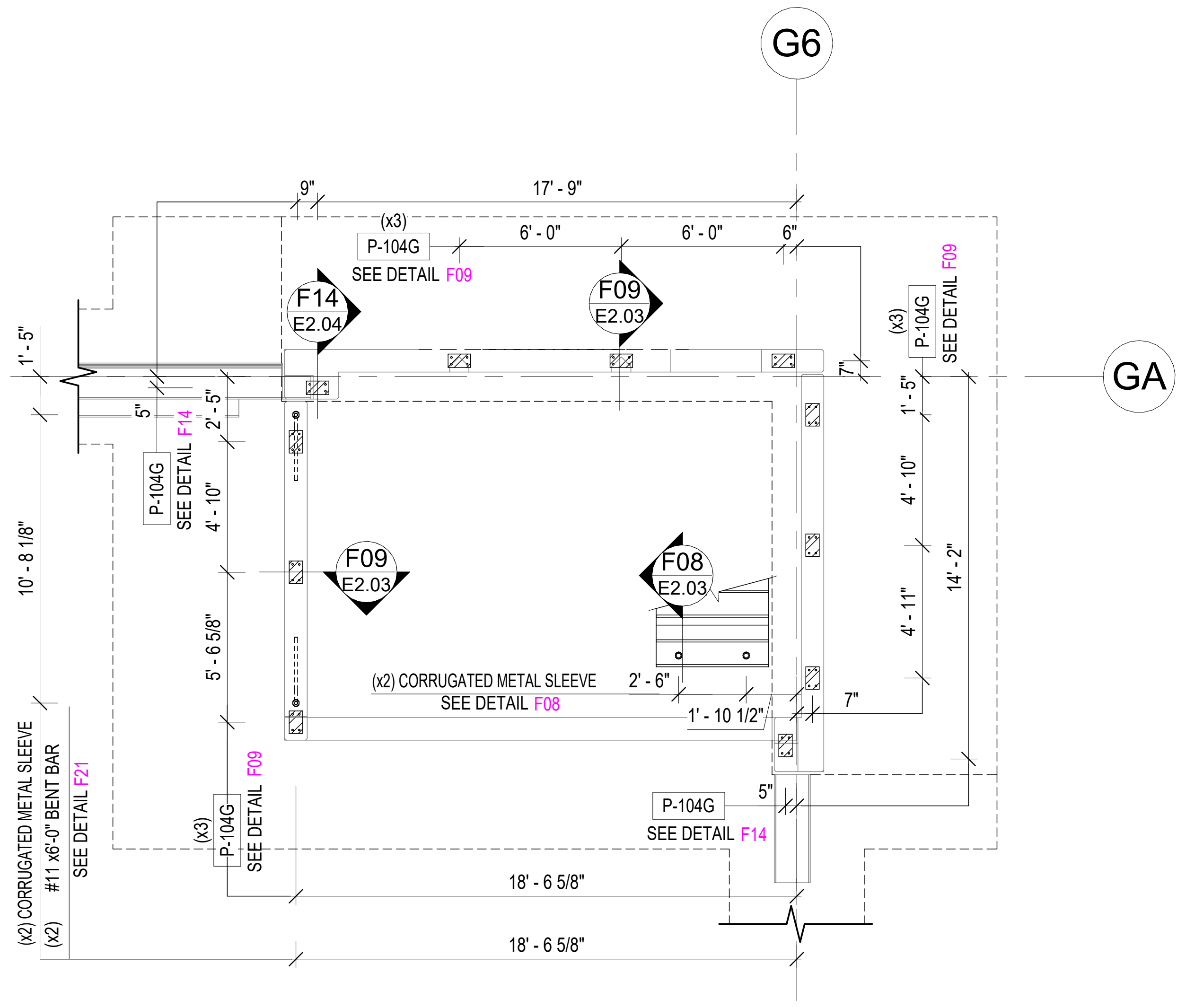
PROJECT:
GRANITE RUN PHASE II
MIDDLETOWN TOWNSHIP, PA
FOUNDATION PLAN

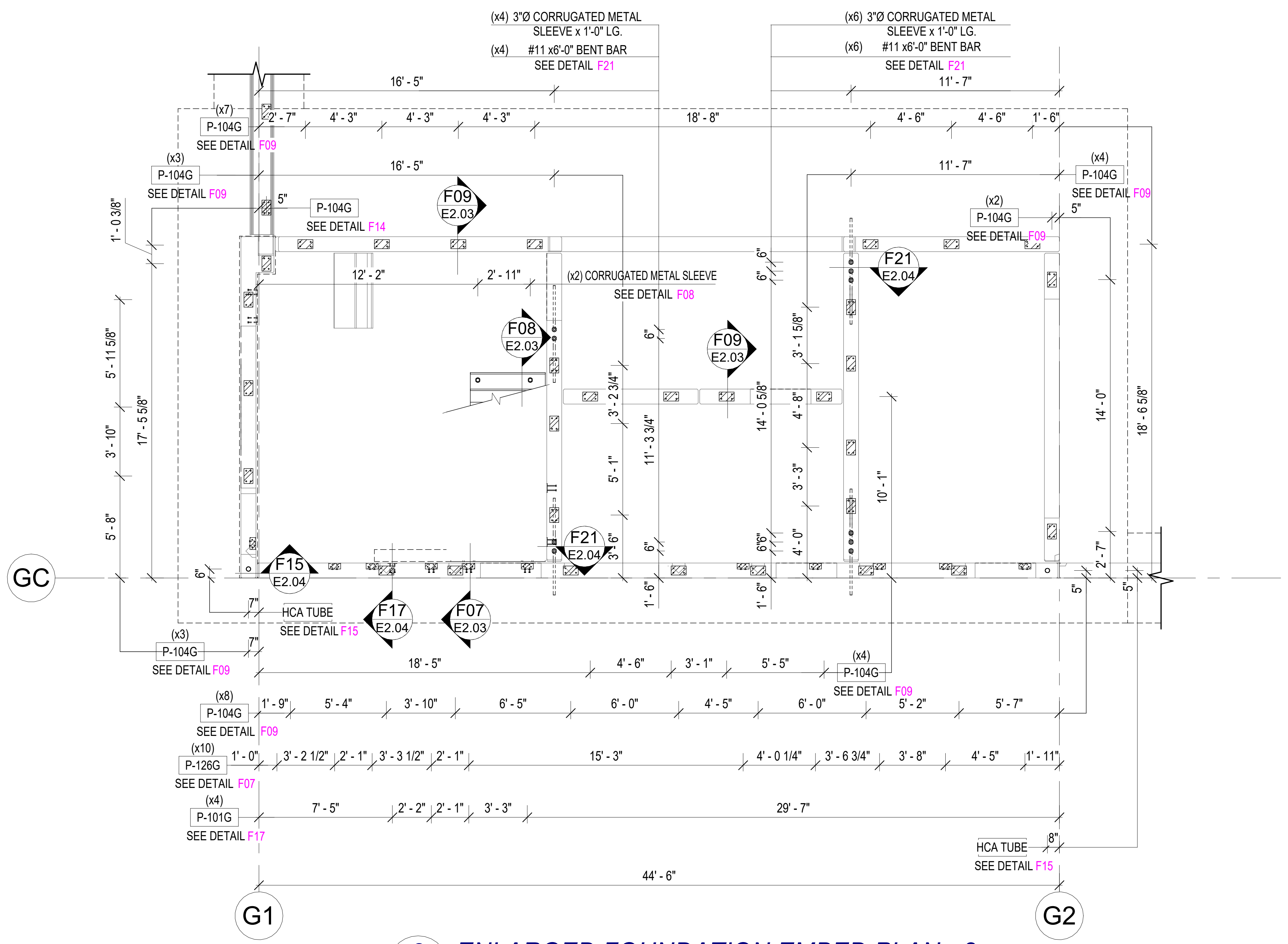
JERSEY PRECAST
853 NOTTINGHAM WAY
HAMILTON TOWNSHIP, NJ 08638
PH: 609-689-3700 FAX: 609-689-3797

CEG JOB NO.
22551
JOB NO.
22040
SHEET NO.
E2.00


G6
GA
9"
17' - 9"
(x3)
P-104G
SEE DETAIL F09
6' - 0"
6' - 0"
6"
F14
E2.04
F09
E2.03
(x3)
P-104G
SEE DETAIL F09
1' - 5"
5"
P-104G
SEE DETAIL F14
2' - 5"
4' - 10"
10' - 8 1/8"
F09
E2.03
F08
E2.03
5' - 6 5/8"
1' - 5"
4' - 10"
4' - 11"
14' - 2"
(x2) CORRUGATED METAL SLEEVE
SEE DETAIL F08
2' - 6"
1' - 10 1/2"
7"
5"
P-104G
SEE DETAIL F14
(x2) CORRUGATED METAL SLEEVE
(x2) #11 x6'-0" BENT BAR
SEE DETAIL F21
(x3)
P-104G
SEE DETAIL F09
18' - 6 5/8"
18' - 6 5/8"

1 E2.01 *ENLARGED FOUNDATION EMBED PLAN - 1*

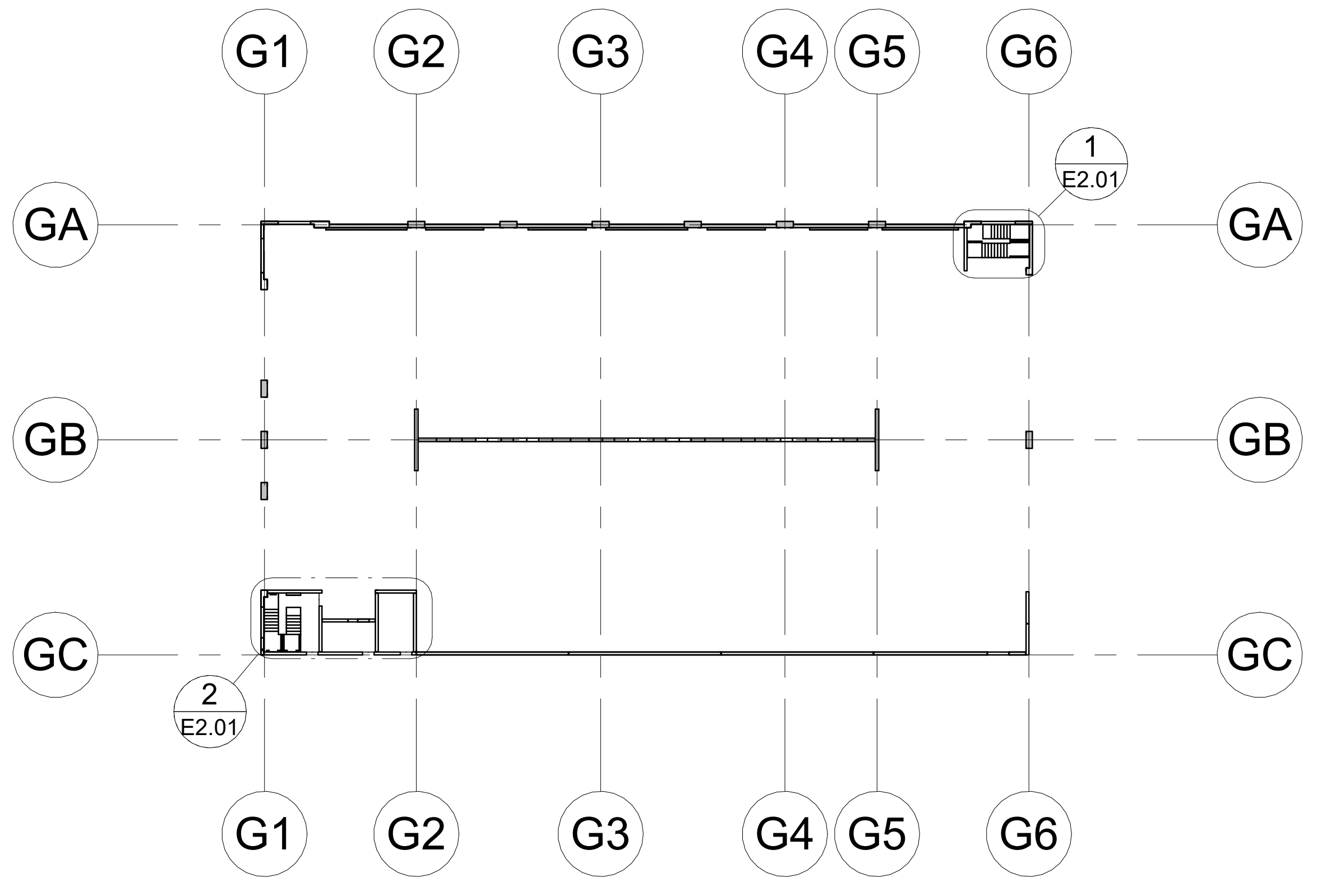
SCALE: 3/16" = 1'-0"


(x4) 3"Ø CORRUGATED METAL
SLEEVE x 1'-0" LG.
(x4) #11 x6'-0" BENT BAR
SEE DETAIL F21
(x6) 3"Ø CORRUGATED METAL
SLEEVE x 1'-0" LG.
(x6) #11 x6'-0" BENT BAR
SEE DETAIL F21
16' - 5"
11' - 7"
(x7)
P-104G
SEE DETAIL F09
2' - 7"
4' - 3"
4' - 3"
4' - 3"
18' - 8"
4' - 6"
4' - 6"
1' - 6"
(x3)
P-104G
SEE DETAIL F09
16' - 5"
11' - 7"
(x4)
P-104G
SEE DETAIL F09
5"
P-104G
SEE DETAIL F14
F09
E2.03
(x2)
P-104G
SEE DETAIL F09
5"
F21
E2.04
1' - 0 3/8"
12' - 2"
2' - 11"
(x2) CORRUGATED METAL SLEEVE
SEE DETAIL F08
F08
E2.03
F09
E2.03
5' - 11 5/8"
17' - 5 5/8"
3' - 10"
5' - 8"
6"
3' - 2 3/4"
11' - 3 3/4"
5' - 1"
3' - 6"
14' - 0 5/8"
3' - 1 5/8"
4' - 8"
3' - 3"
4' - 0"
10' - 1"
14' - 0"
18' - 6 5/8"
2' - 7"
F21
E2.04
GC
F15
E2.04
6"
7"
HCA TUBE
SEE DETAIL F15
F17
E2.04
F07
E2.03
1' - 6"
1' - 6"
5"
5"
(x3)
P-104G
SEE DETAIL F09
7"
18' - 5"
4' - 6"
3' - 1"
5' - 5"
(x4)
P-104G
SEE DETAIL F09
(x8)
P-104G
SEE DETAIL F09
1' - 9"
5' - 4"
3' - 10"
6' - 5"
6' - 0"
4' - 5"
6' - 0"
5' - 2"
5' - 7"
(x10)
P-126G
SEE DETAIL F07
1' - 0"
3' - 2 1/2"
2' - 1"
3' - 3 1/2"
2' - 1"
15' - 3"
4' - 0 1/4"
3' - 6 3/4"
3' - 8"
4' - 5"
1' - 11"
(x4)
P-101G
SEE DETAIL F17
7' - 5"
2' - 2"
2' - 1"
3' - 3"
29' - 7"
HCA TUBE
SEE DETAIL F15
8"
44' - 6"
G1
G2

2 E2.01 *ENLARGED FOUNDATION EMBED PLAN - 2*

SCALE: 3/16" = 1'-0"

CHRIS C. KERCSMAR
PE062269
2/22/2


G1
G2
G3
G4
G5
G6
GA
GB
GC
1
E2.01
2
E2.01

KEY PLAN

DRAWN BY: ODS
CHECKED BY:
DATE:

SUBMITTALS/REVISIONS:

A	FOR APPROVAL	01/05/23

The CONSULTING ENGINEERS GROUP Inc.
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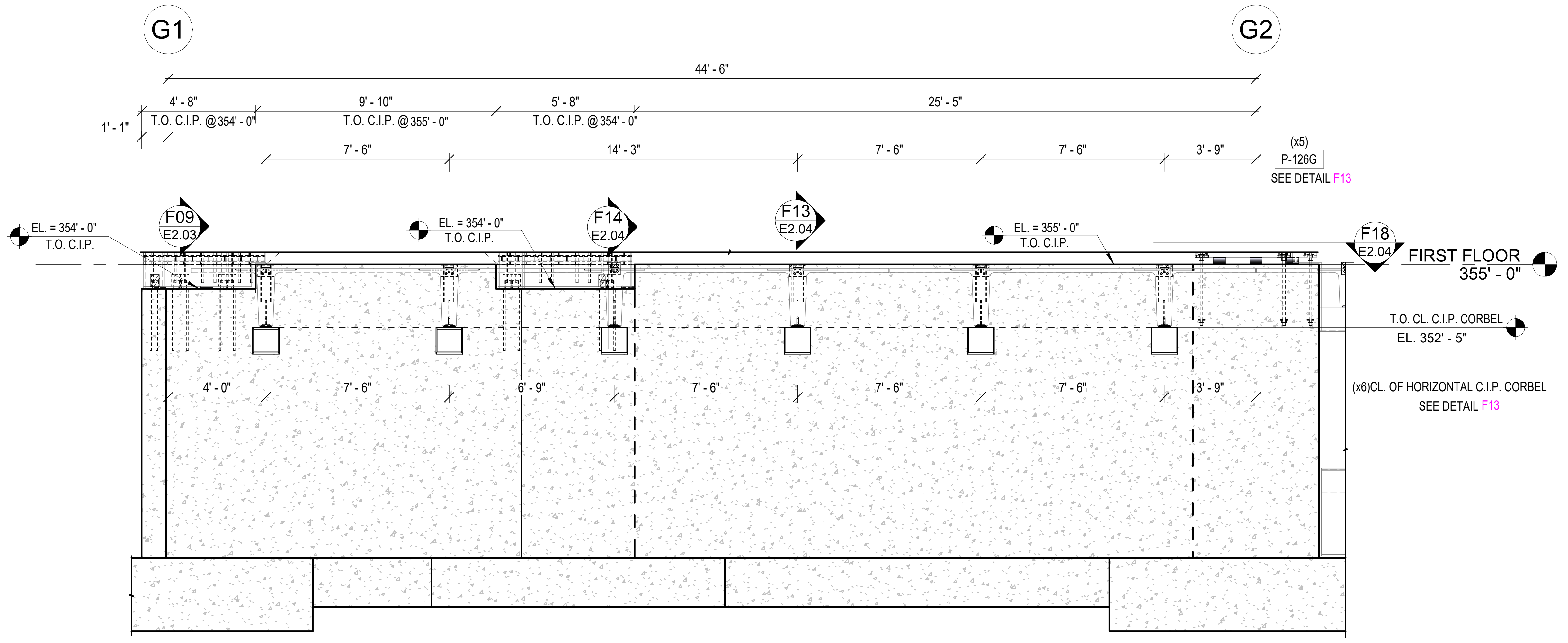
PROJECT:
GRANITE RUN PHASE II
MIDDLETOWN TOWNSHIP, PA
ENLARGED FOUNDATION PLANS

JERSEY PRECAST
853 NOTTINGHAM WAY
HAMILTON TOWNSHIP, NJ 08638
PH: 609-689-3700 FAX: 609-689-3797

CEG JOB NO.
22551

JOB NO.
22040

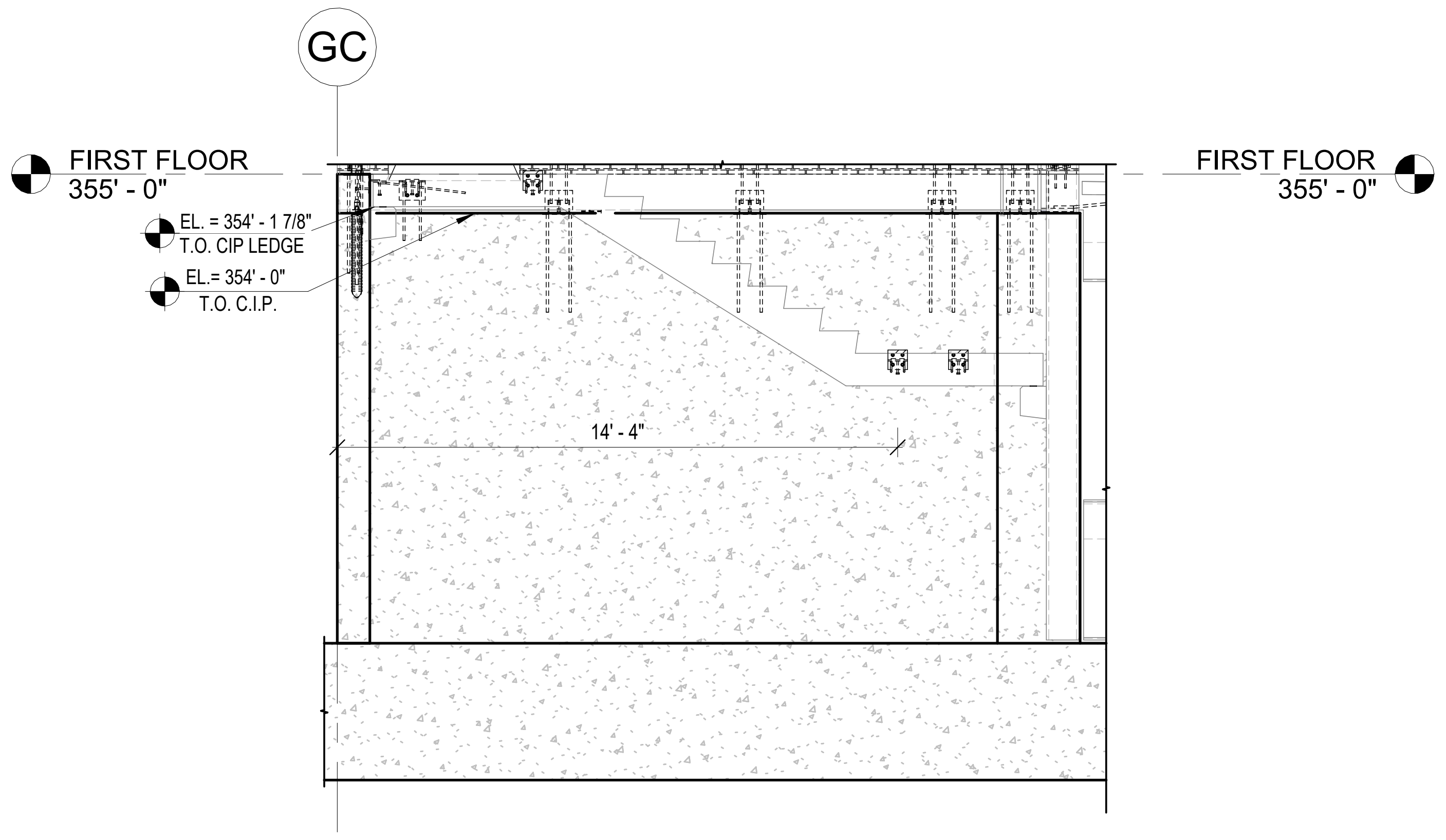
SHEET NO.
E2.01



G1
G2
44' - 6"
4' - 8"
T.O. C.I.P. @354' - 0"
9' - 10"
T.O. C.I.P. @355' - 0"
5' - 8"
T.O. C.I.P. @354' - 0"
25' - 5"
1' - 1"
7' - 6"
14' - 3"
3' - 9"
(x5)
P-126G
SEE DETAIL F13
EL. = 354' - 0"
T.O. C.I.P.
F09
E2.03
F14
E2.04
F13
E2.04
EL. = 355' - 0"
T.O. C.I.P.
F18
E2.04
FIRST FLOOR
355' - 0"
T.O. CL. C.I.P. CORBEL
EL. 352' - 5"
4' - 0"
6' - 9"
(x6)CL. OF HORIZONTAL C.I.P. CORBEL
SEE DETAIL F13

1 C.I.P. ELEVATION - 1

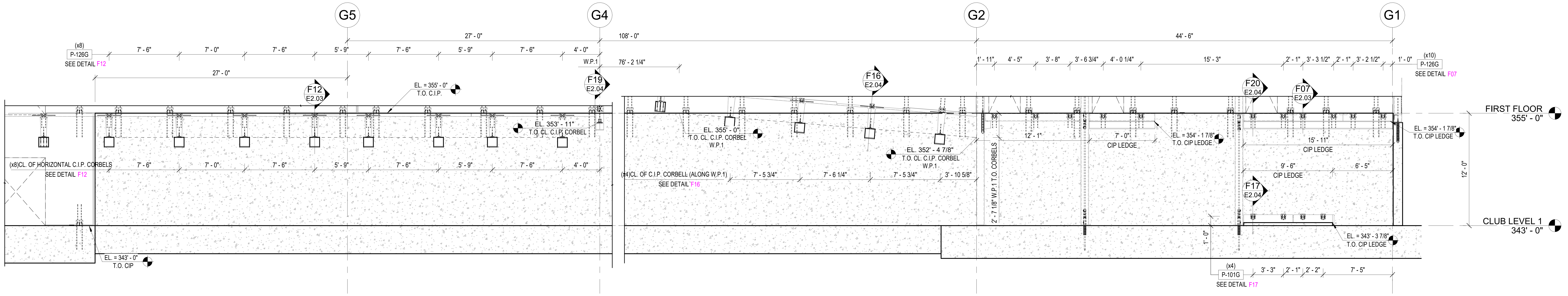
E2.02 SCALE: 1/4" = 1'-0"



GC
FIRST FLOOR
355' - 0"
EL. = 354' - 1 7/8"
T.O. CIP LEDGE
EL. = 354' - 0"
T.O. C.I.P.
14' - 4"
FIRST FLOOR
355' - 0"

2 C.I.P. ELEVATION - 2

E2.02 SCALE: 1/4" = 1'-0"

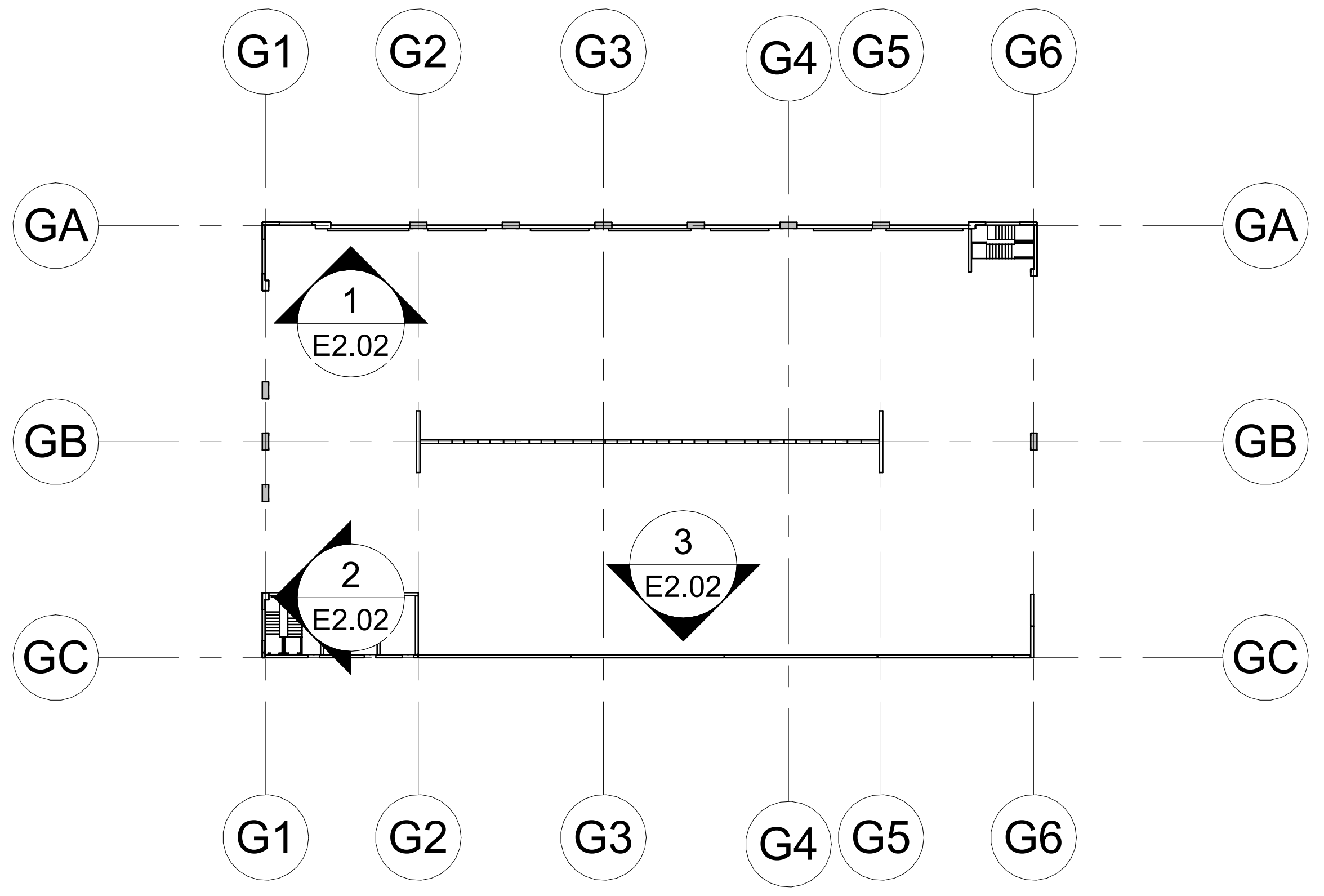


G5
G4
G2
G1
27' - 0"
108' - 0"
44' - 6"
(x8)
P-126G
SEE DETAIL F12
7' - 6"
7' - 0"
5' - 9"
4' - 0"
W.P.1
76' - 2 1/4"
1' - 11"
4' - 5"
3' - 8"
3' - 6 3/4"
4' - 0 1/4"
15' - 3"
2' - 1"
3' - 3 1/2"
3' - 2 1/2"
1' - 0"
(x10)
P-126G
SEE DETAIL F07
F12
E2.03
EL. = 355' - 0"
T.O. C.I.P.
F19
E2.04
F16
E2.04
F20
E2.04
F07
E2.03
FIRST FLOOR
355' - 0"
EL. 353' - 11"
T.O CL. C.I.P. CORBEL
EL. 355' - 0"
T.O. CL. C.I.P. CORBEL
W.P.1
EL. 352' - 4 7/8"
T.O. CL. C.I.P. CORBEL
W.P.1
12' - 1"
7' - 0"
CIP LEDGE
EL. = 354' - 1 7/8"
T.O. CIP LEDGE
15' - 11"
CIP LEDGE
9' - 6"
6' - 5"
CIP LEDGE
EL. = 354' - 1 7/8"
T.O. CIP LEDGE
12' - 0"
(x8)CL. OF HORIZONTAL C.I.P. CORBELS
SEE DETAIL F12
(x4)CL. OF C.I.P. CORBELL (ALONG W.P.1)
SEE DETAIL F16
7' - 5 3/4"
7' - 6 1/4"
3' - 10 5/8"
2' - 7 1/8" W.P.1 T.O. CORBELS
F17
E2.04
CLUB LEVEL 1
343' - 0"
EL. = 343' - 3 7/8"
T.O. CIP LEDGE
EL. = 343' - 0"
T.O. CIP
1' - 0"
(x4)
P-101G
SEE DETAIL F17
3' - 3"
2' - 2"
7' - 5"

3 C.I.P. ELEVATION - 3

E2.02 SCALE: 3/16" = 1'-0"

CHRIS C. KERCSMAR



G1
G2
G3
G4
G5
G6
GA
GB
GC
1
E2.02
2
E2.02
3
E2.02

KEY PLAN

DRAWN BY: ODS
CHECKED BY:
DATE: 12/02/22

SUBMITTALS/REVISIONS:

A	FOR APPROVAL	01/05/23

The CONSULTING ENGINEERS GROUP Inc.
16302 Pleasantville Road – SUITE 100 – SAN ANTONIO, TX 78233
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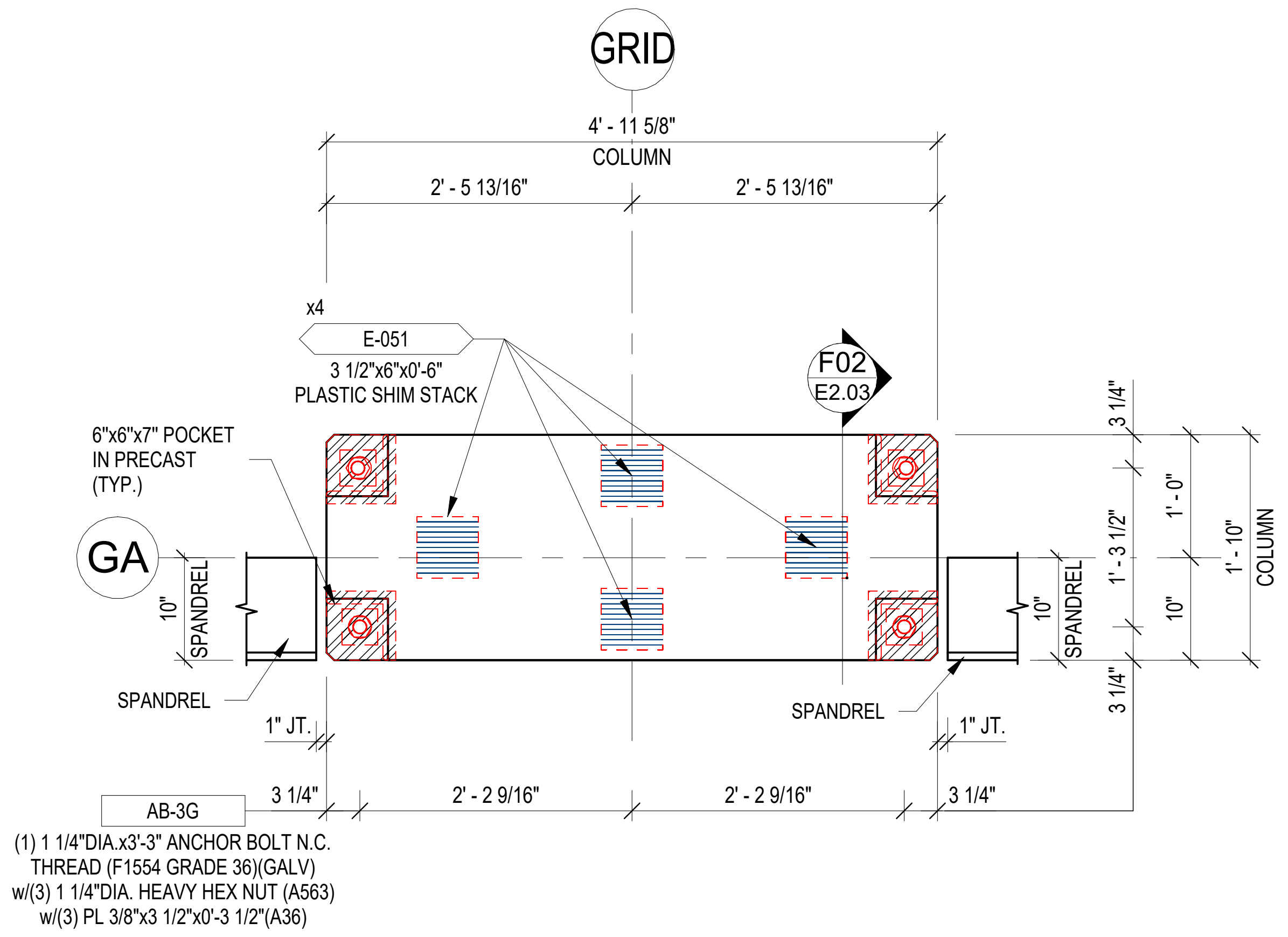
PROJECT:
GRANITE RUN PHASE II
MIDDLETOWN TOWNSHIP, PA
CIP ELEVATION

JERSEY PRECAST
853 NOTTINGHAM WAY
HAMILTON TOWNSHIP, NJ 08638
PH: 609-689-3700 FAX: 609-689-3797

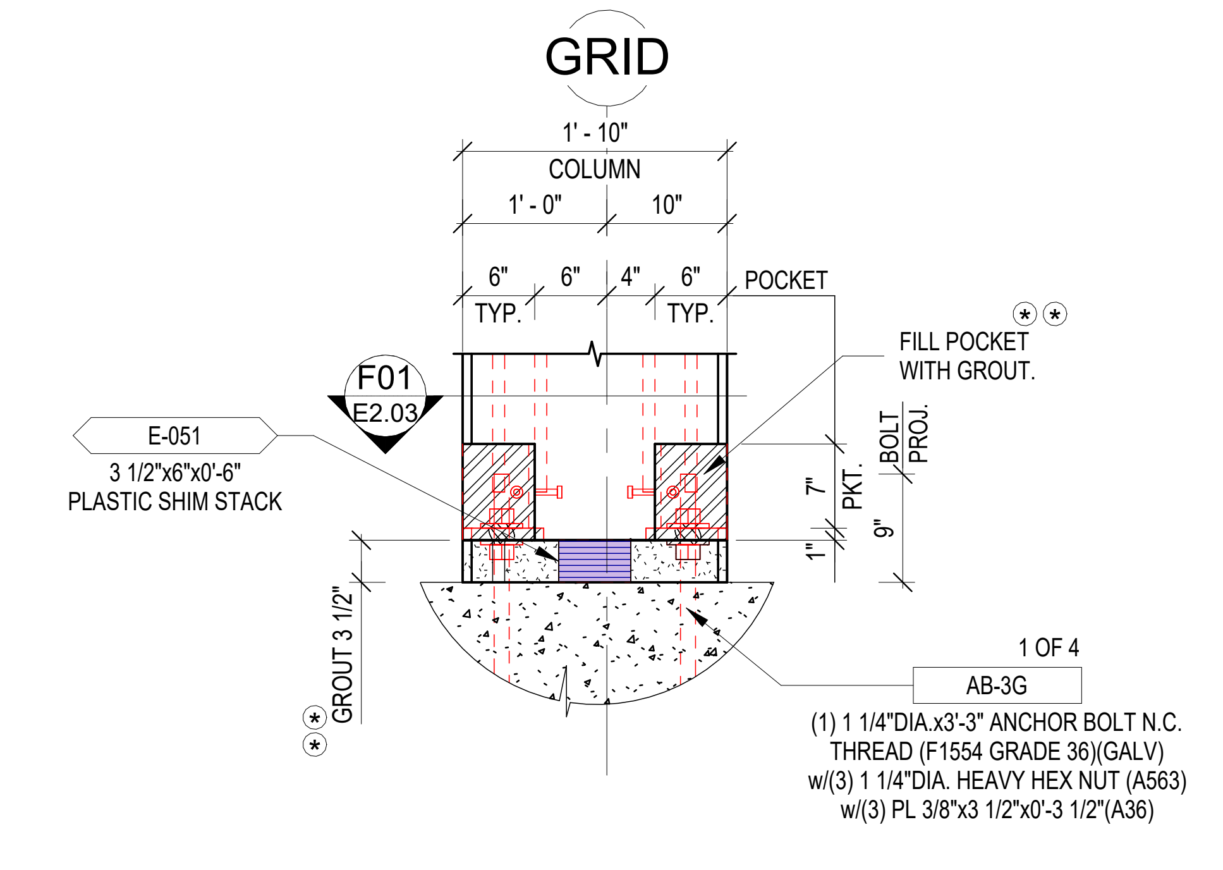
CEG JOB NO.
22551

JOB NO.
22040

SHEET NO.
E2.02


GRID
4' - 11 5/8"
COLUMN
2' - 5 13/16"
2' - 5 13/16"
x4
E-051
3 1/2"x6"x0'-6"
PLASTIC SHIM STACK
F02
E2.03
6"x6"x7" POCKET
IN PRECAST
(TYP.)
GA
10"
SPANDREL
SPANDREL
1" JT.
3 1/4"
1' - 0"
1' - 3 1/2"
10"
1' - 10"
COLUMN
SPANDREL
1" JT.
3 1/4"
2' - 2 9/16"
2' - 2 9/16"
3 1/4"
AB-3G
(1) 1 1/4"DIA.x3'-3" ANCHOR BOLT N.C.
THREAD (F1554 GRADE 36)(GALV)
w/(3) 1 1/4"DIA. HEAVY HEX NUT (A563)
w/(3) PL 3/8"x3 1/2"x0'-3 1/2"(A36)

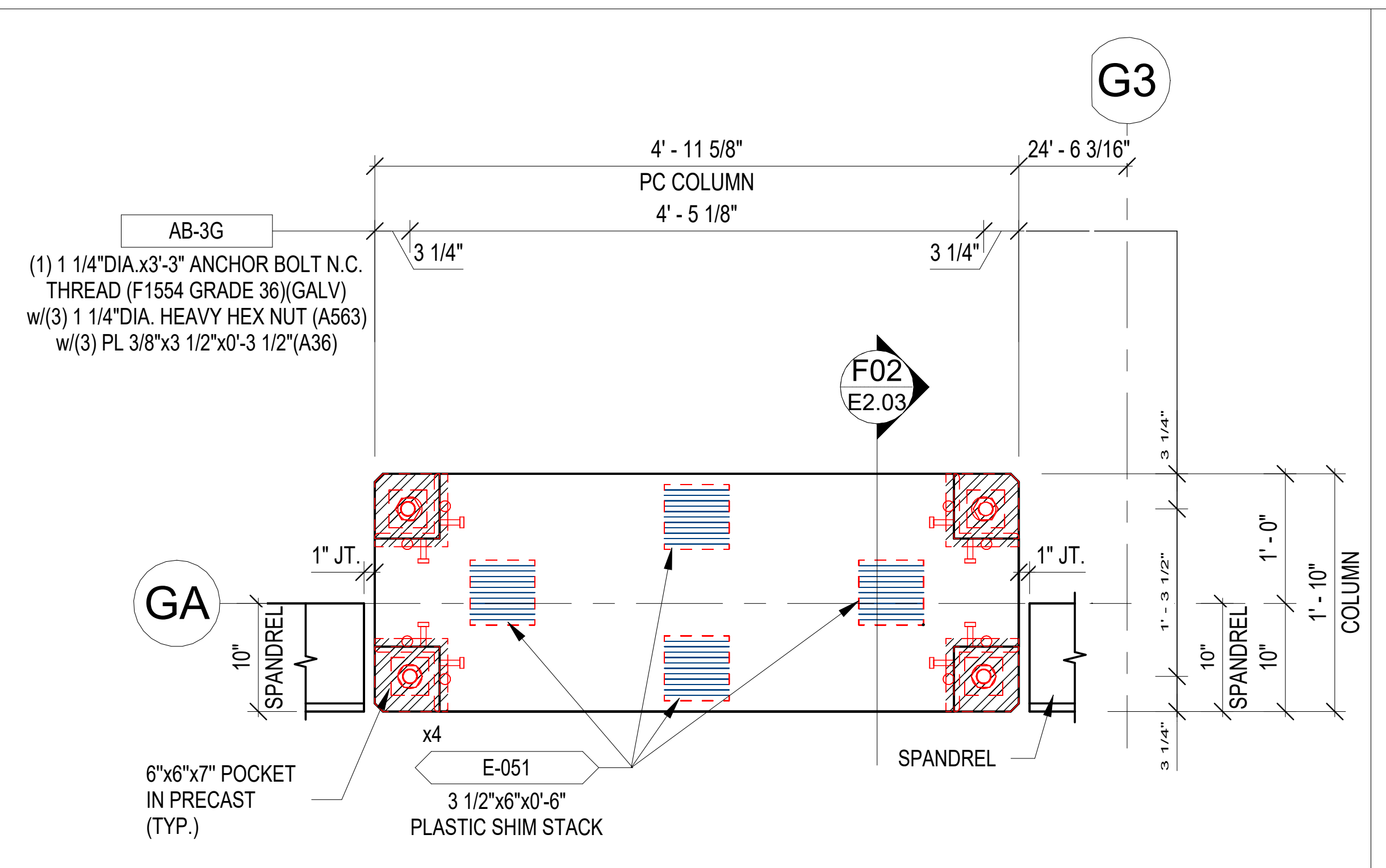
F01


GRID
1' - 10"
COLUMN
1' - 0"
10"
6"
TYP.
6"
4"
6"
TYP.
POCKET
F01
E2.03
E-051
3 1/2"x6"x0'-6"
PLASTIC SHIM STACK
(*)(*)
FILL POCKET
WITH GROUT.
7"
PKT.
BOLT
PROJ.
1"
9"
GROUT 3 1/2"
(*)(*)
1 OF 4
AB-3G
(1) 1 1/4"DIA.x3'-3" ANCHOR BOLT N.C.
THREAD (F1554 GRADE 36)(GALV)
w/(3) 1 1/4"DIA. HEAVY HEX NUT (A563)
w/(3) PL 3/8"x3 1/2"x0'-3 1/2"(A36)

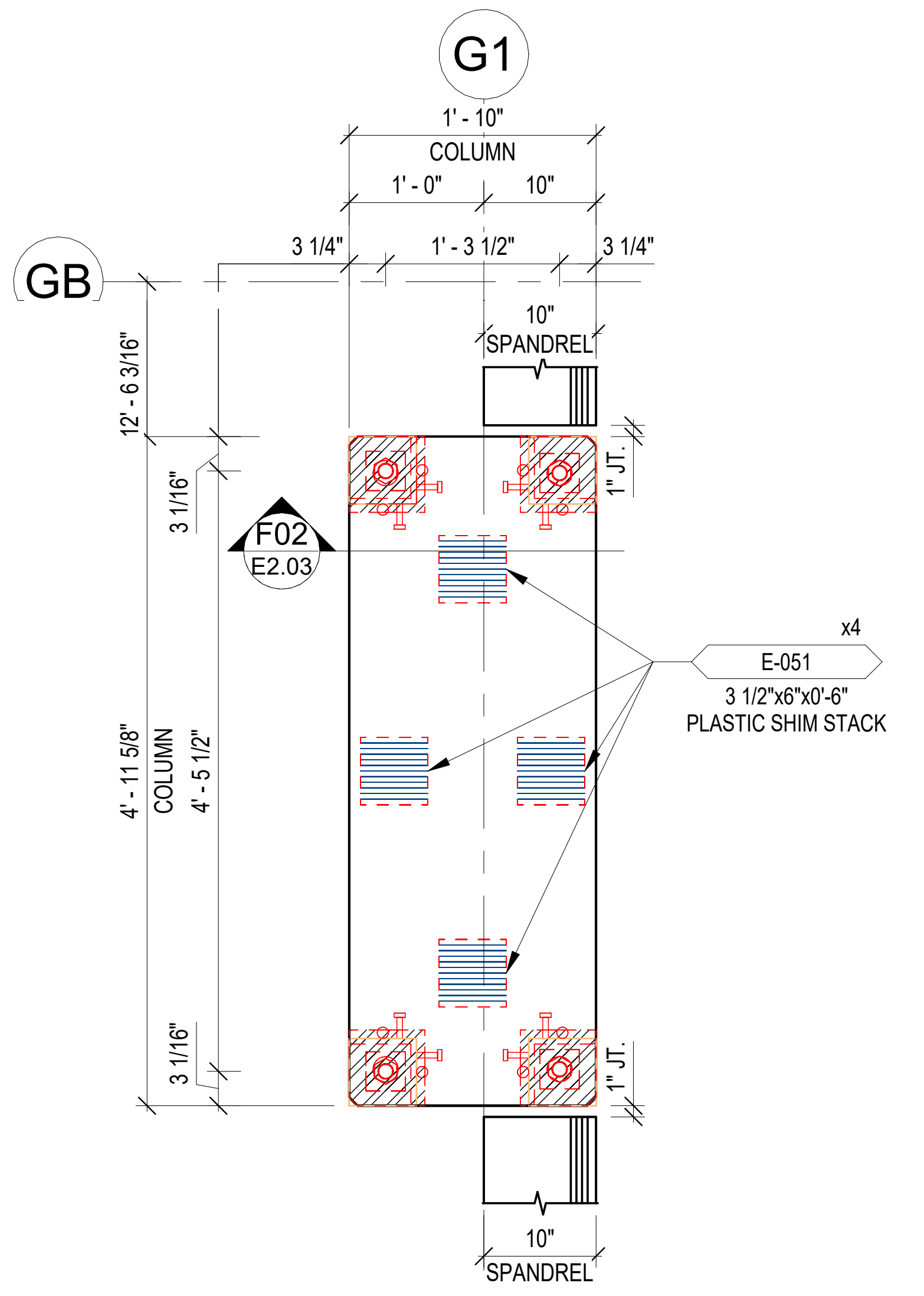
ERECTOR NOTE

(*)(*)
DRY-PACK OR FLOWABLE GROUT 8,000 PSI (MIN.) IN JOINT.
GROUT SHALL BE INSTALLED PRIOR TO ERECTING DTs.
DRY PACK MIX(NON-SHRINK 8000 PSI OR AS NOTED)
DRY PACK IMMEDIATELY AFTER COLUMN
IS ERECTED & ALL NUTS ARE TIGHT.

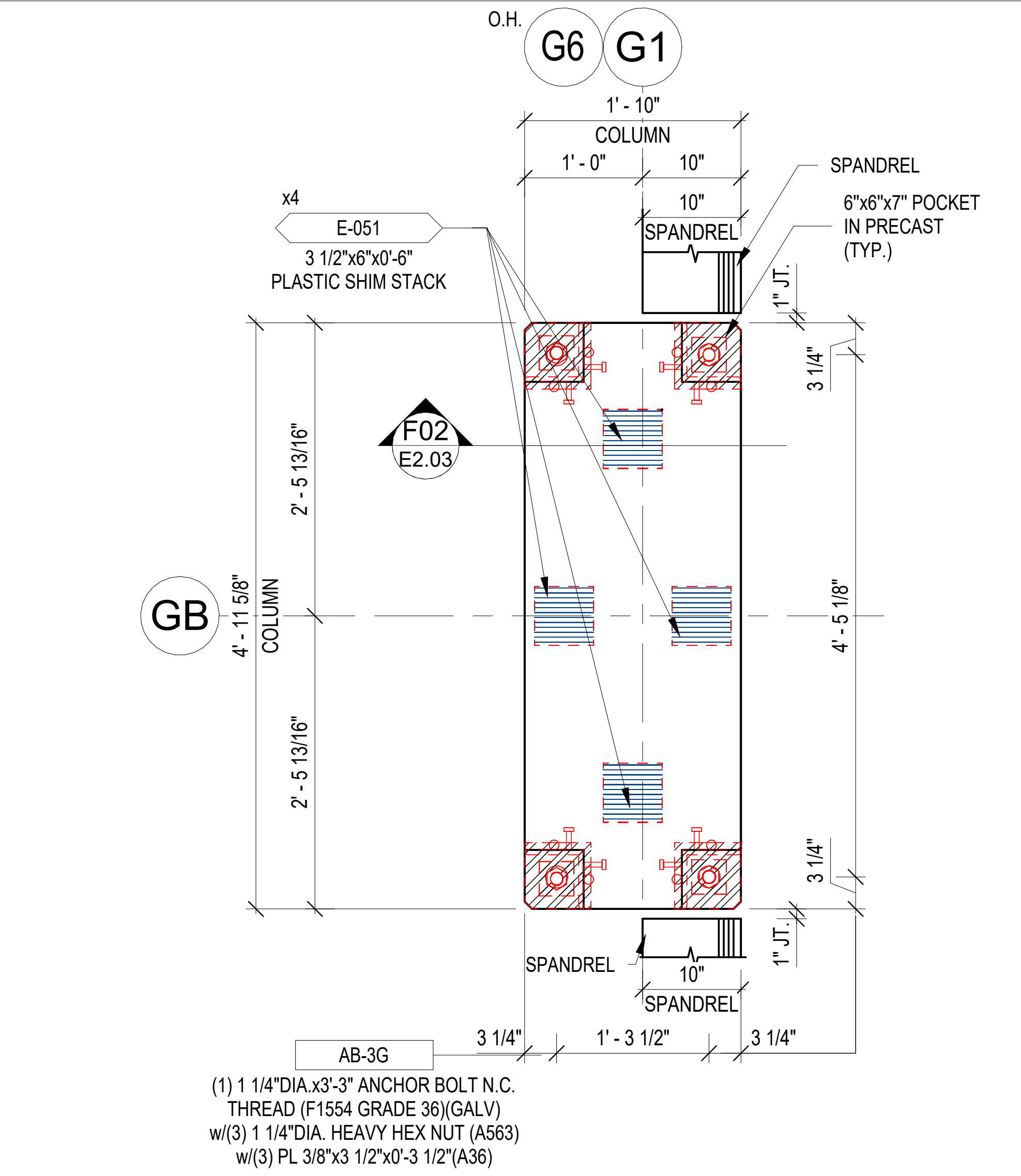
F02


G3
4' - 11 5/8"
PC COLUMN
4' - 5 1/8"
24' - 6 3/16"
AB-3G
(1) 1 1/4"DIA.x3'-3" ANCHOR BOLT N.C.
THREAD (F1554 GRADE 36)(GALV)
w/(3) 1 1/4"DIA. HEAVY HEX NUT (A563)
w/(3) PL 3/8"x3 1/2"x0'-3 1/2"(A36)
3 1/4"
3 1/4"
F02
E2.03
GA
1" JT.
1" JT.
10"
SPANDREL
3 1/4"
1' - 3 1/2"
3 1/4"
1' - 0"
10"
1' - 10"
COLUMN
10"
SPANDREL
x4
E-051
3 1/2"x6"x0'-6"
PLASTIC SHIM STACK
6"x6"x7" POCKET
IN PRECAST
(TYP.)
SPANDREL

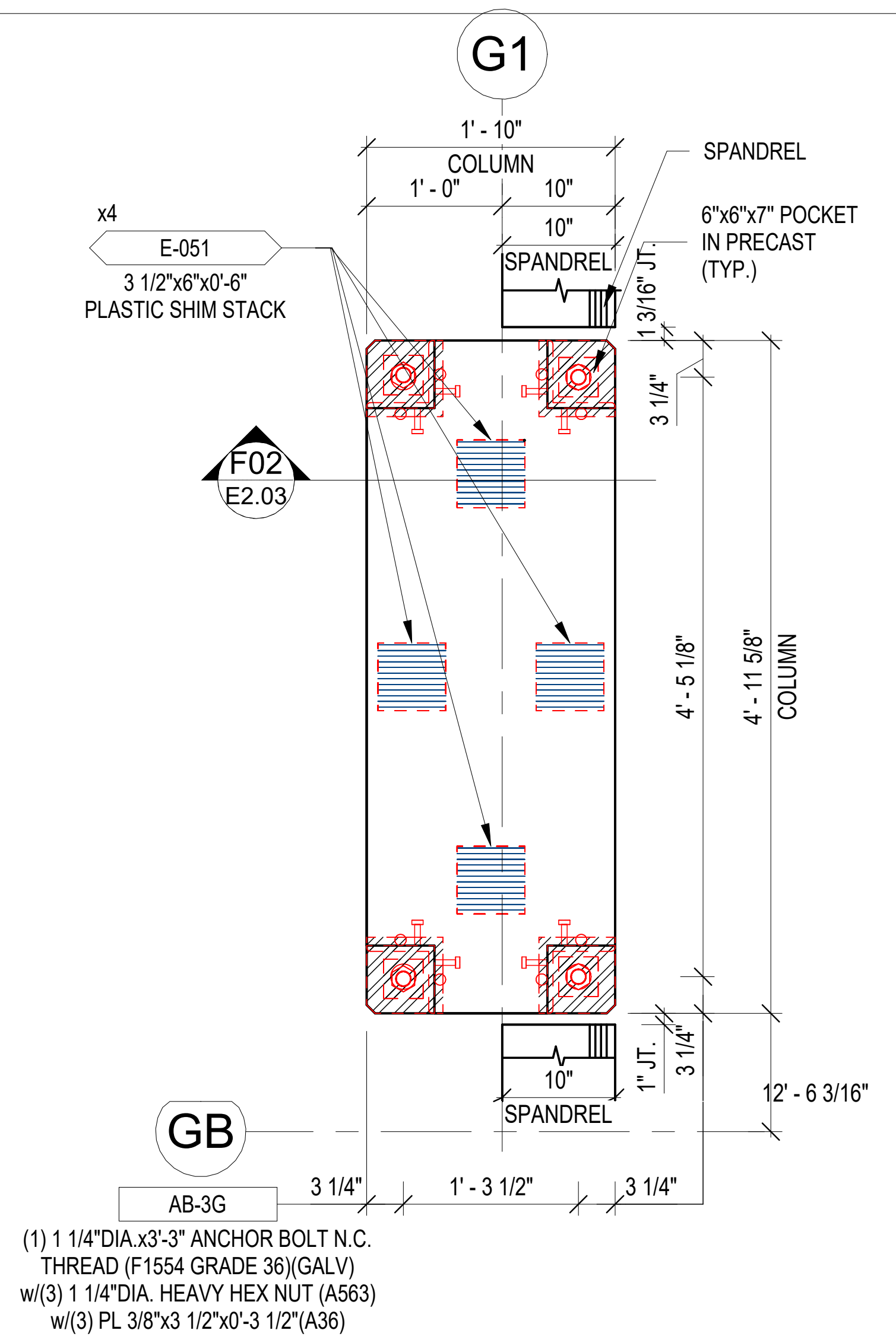
F03


G1
1' - 10"
COLUMN
1' - 0"
10"
3 1/4"
1' - 3 1/2"
3 1/4"
GB
10"
SPANDREL
12' - 6 3/16"
3 1/16"
F02
E2.03
1" JT.
x4
E-051
3 1/2"x6"x0'-6"
PLASTIC SHIM STACK
4' - 11 5/8"
COLUMN
4' - 5 1/2"
3 1/16"
1" JT.
10"
SPANDREL

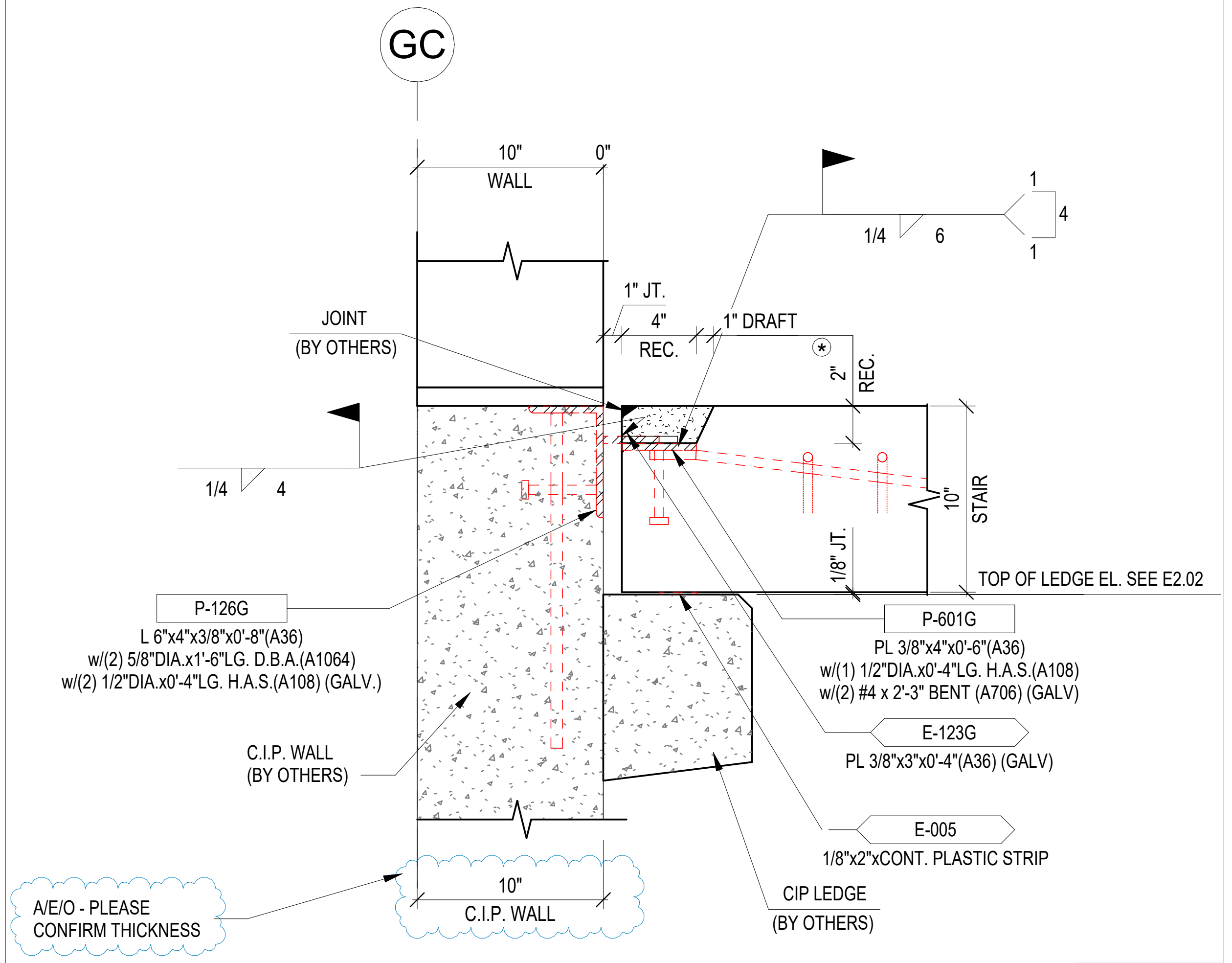
F04


O.H.
G6
G1
1' - 10"
COLUMN
1' - 0"
10"
10"
SPANDREL
SPANDREL
6"x6"x7" POCKET
IN PRECAST
(TYP.)
x4
E-051
3 1/2"x6"x0'-6"
PLASTIC SHIM STACK
1" JT.
3 1/4"
F02
E2.03
2' - 5 13/16"
GB
4' - 11 5/8"
COLUMN
4' - 5 1/8"
2' - 5 13/16"
3 1/4"
1" JT.
SPANDREL
10"
SPANDREL
AB-3G
3 1/4"
1' - 3 1/2"
3 1/4"
(1) 1 1/4"DIA.x3'-3" ANCHOR BOLT N.C.
THREAD (F1554 GRADE 36)(GALV)
w/(3) 1 1/4"DIA. HEAVY HEX NUT (A563)
w/(3) PL 3/8"x3 1/2"x0'-3 1/2"(A36)

F05


G1
1' - 10"
COLUMN
1' - 0"
10"
10"
SPANDREL
SPANDREL
6"x6"x7" POCKET
IN PRECAST
(TYP.)
x4
E-051
3 1/2"x6"x0'-6"
PLASTIC SHIM STACK
1 3/16" JT.
3 1/4"
F02
E2.03
4' - 5 1/8"
4' - 11 5/8"
COLUMN
1" JT.
3 1/4"
10"
SPANDREL
12' - 6 3/16"
GB
AB-3G
3 1/4"
1' - 3 1/2"
3 1/4"
(1) 1 1/4"DIA.x3'-3" ANCHOR BOLT N.C.
THREAD (F1554 GRADE 36)(GALV)
w/(3) 1 1/4"DIA. HEAVY HEX NUT (A563)
w/(3) PL 3/8"x3 1/2"x0'-3 1/2"(A36)

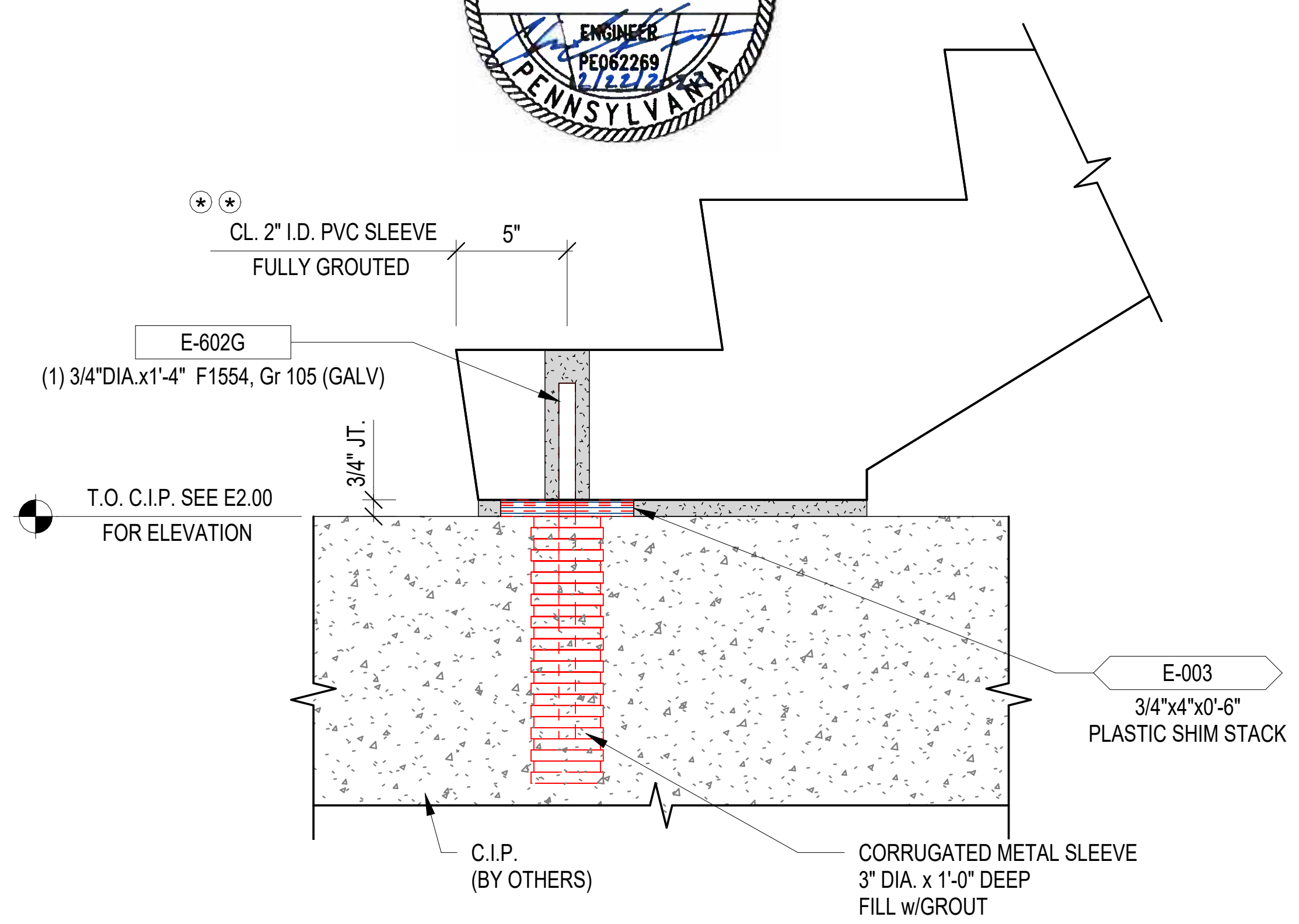
F06


GC
10"
0"
WALL
1/4
6
1
4
1
1" JT.
4"
REC.
1" DRAFT
(*)
2"
REC.
JOINT
(BY OTHERS)
1/4
4
10"
STAIR
1/8" JT.
TOP OF LEDGE EL. SEE E2.02
P-126G
L 6"x4"x3/8"x0'-8"(A36)
w/(2) 5/8"DIA.x1'-6"LG. D.B.A.(A1064)
w/(2) 1/2"DIA.x0'-4"LG. H.A.S.(A108) (GALV.)
P-601G
PL 3/8"x4"x0'-6"(A36)
w/(1) 1/2"DIA.x0'-4"LG. H.A.S.(A108)
w/(2) #4 x 2'-3" BENT (A706) (GALV)
E-123G
PL 3/8"x3"x0'-4"(A36) (GALV)
C.I.P. WALL
(BY OTHERS)
E-005
1/8"x2"xCONT. PLASTIC STRIP
A/E/O - PLEASE
CONFIRM THICKNESS
10"
C.I.P. WALL
CIP LEDGE
(BY OTHERS)

(*)
FILL RECESS W/(6000 PSI) GROUT AFTER WELDS ARE INSPECTED AND APPROVED

F07

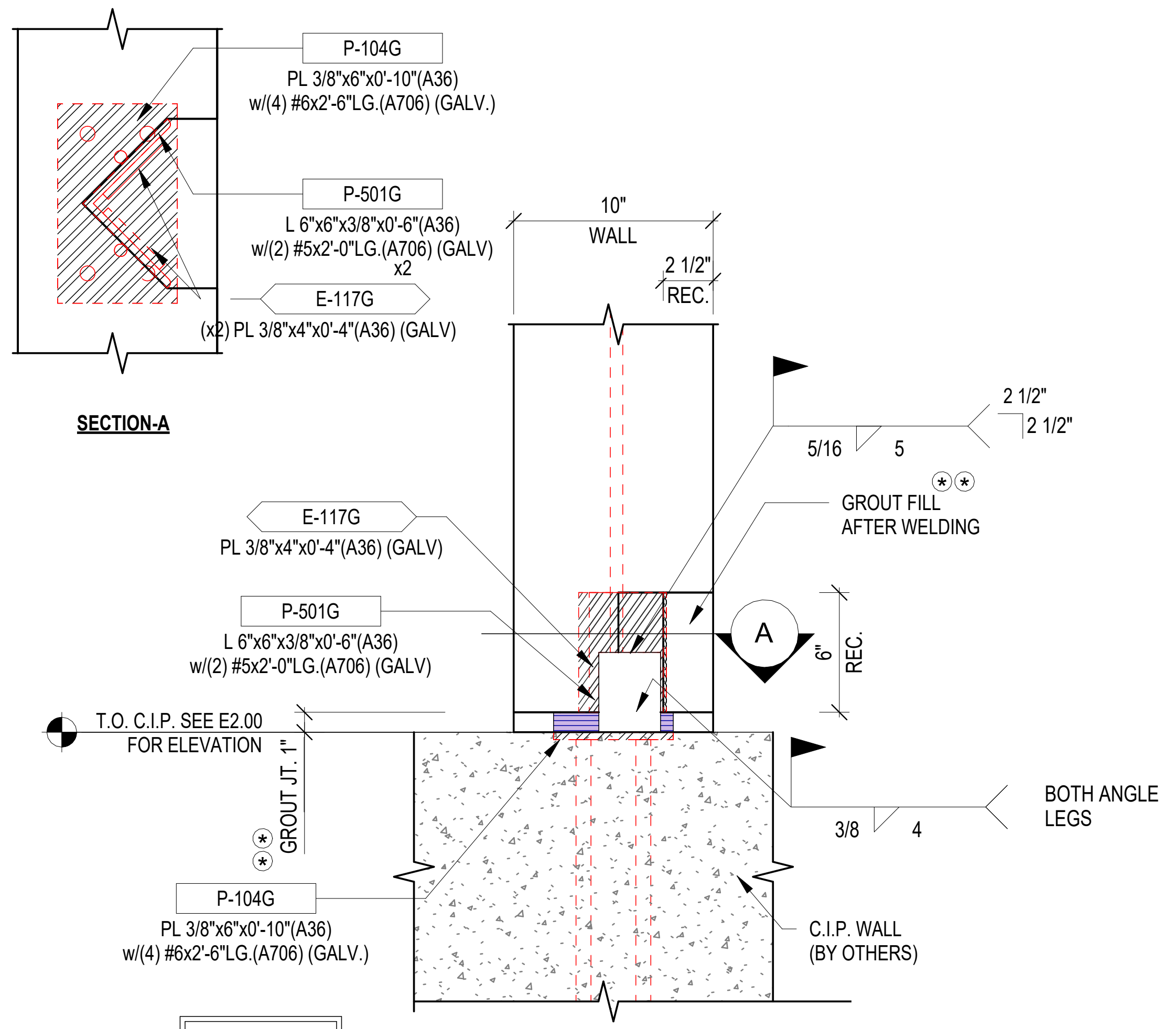
CHRIS C. KERCSMAR
PE062269
2/22/23


(*)(*)
CL. 2" I.D. PVC SLEEVE
FULLY GROUTED
5"
E-602G
(1) 3/4"DIA.x1'-4" F1554, Gr 105 (GALV)
3/4" JT.
T.O. C.I.P. SEE E2.00
FOR ELEVATION
E-003
3/4"x4"x0'-6"
PLASTIC SHIM STACK
C.I.P.
(BY OTHERS)
CORRUGATED METAL SLEEVE
3" DIA. x 1'-0" DEEP
FILL w/GROUT
(MIN. 2500 PSI)

ERECTOR NOTE

(*)(*)
DRY-PACK OR FLOWABLE GROUT 6,000 PSI (MIN.) IN JOINT.
GROUT SHALL BE INSTALLED PRIOR TO ERECTING DTs.

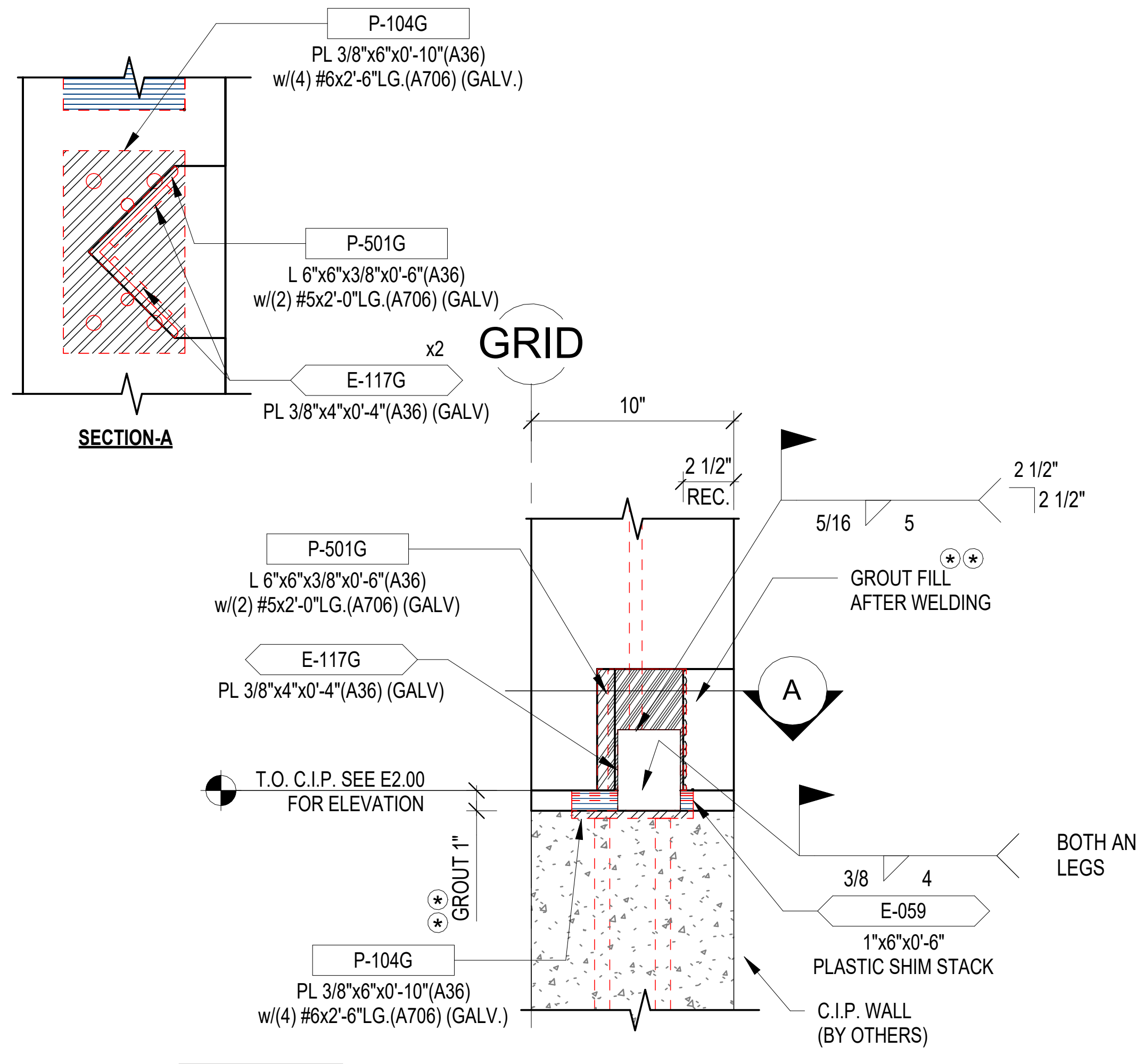
F08


P-104G
PL 3/8"x6"x0'-10"(A36)
w/(4) #6x2'-6"LG.(A706) (GALV.)
P-501G
L 6"x6"x3/8"x0'-6"(A36)
w/(2) #5x2'-0"LG.(A706) (GALV)
x2
E-117G
(x2) PL 3/8"x4"x0'-4"(A36) (GALV)
SECTION-A
10"
WALL
2 1/2"
REC.
5/16
5
2 1/2"
2 1/2"
(*)(*)
GROUT FILL
AFTER WELDING
E-117G
PL 3/8"x4"x0'-4"(A36) (GALV)
P-501G
L 6"x6"x3/8"x0'-6"(A36)
w/(2) #5x2'-0"LG.(A706) (GALV)
A
6"
REC.
T.O. C.I.P. SEE E2.00
FOR ELEVATION
GROUT JT. 1"
(*)(*)
3/8
4
BOTH ANGLE
LEGS
P-104G
PL 3/8"x6"x0'-10"(A36)
w/(4) #6x2'-6"LG.(A706) (GALV.)
C.I.P. WALL
(BY OTHERS)

ERECTOR NOTE

(*)(*)
DRY-PACK OR FLOWABLE GROUT 6,000 PSI (MIN.) IN JOINT.
GROUT SHALL BE INSTALLED PRIOR TO ERECTING DTs.

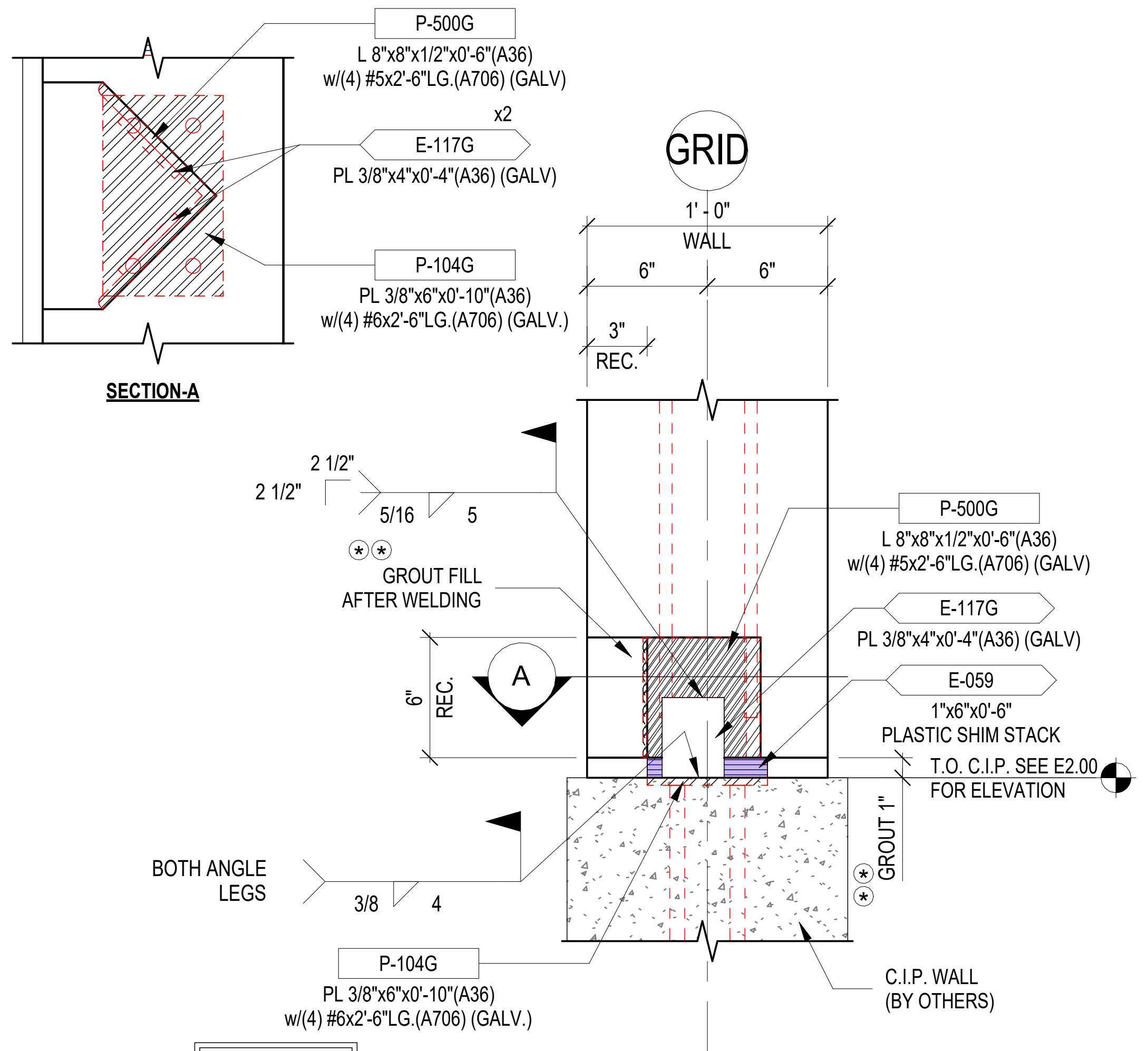
F09


P-104G
PL 3/8"x6"x0'-10"(A36)
w/(4) #6x2'-6"LG.(A706) (GALV.)
P-501G
L 6"x6"x3/8"x0'-6"(A36)
w/(2) #5x2'-0"LG.(A706) (GALV)
x2
E-117G
PL 3/8"x4"x0'-4"(A36) (GALV)
SECTION-A
GRID
10"
2 1/2"
REC.
5/16
5
2 1/2"
2 1/2"
P-501G
L 6"x6"x3/8"x0'-6"(A36)
w/(2) #5x2'-0"LG.(A706) (GALV)
(*)(*)
GROUT FILL
AFTER WELDING
E-117G
PL 3/8"x4"x0'-4"(A36) (GALV)
A
T.O. C.I.P. SEE E2.00
FOR ELEVATION
GROUT 1"
(*)(*)
3/8
4
BOTH ANGLE
LEGS
E-059
1"x6"x0'-6"
PLASTIC SHIM STACK
P-104G
PL 3/8"x6"x0'-10"(A36)
w/(4) #6x2'-6"LG.(A706) (GALV.)
C.I.P. WALL
(BY OTHERS)

ERECTOR NOTE

(*)(*)
DRY-PACK OR FLOWABLE GROUT 6,000 PSI (MIN.) IN JOINT.
GROUT SHALL BE INSTALLED PRIOR TO ERECTING DTs.

F10

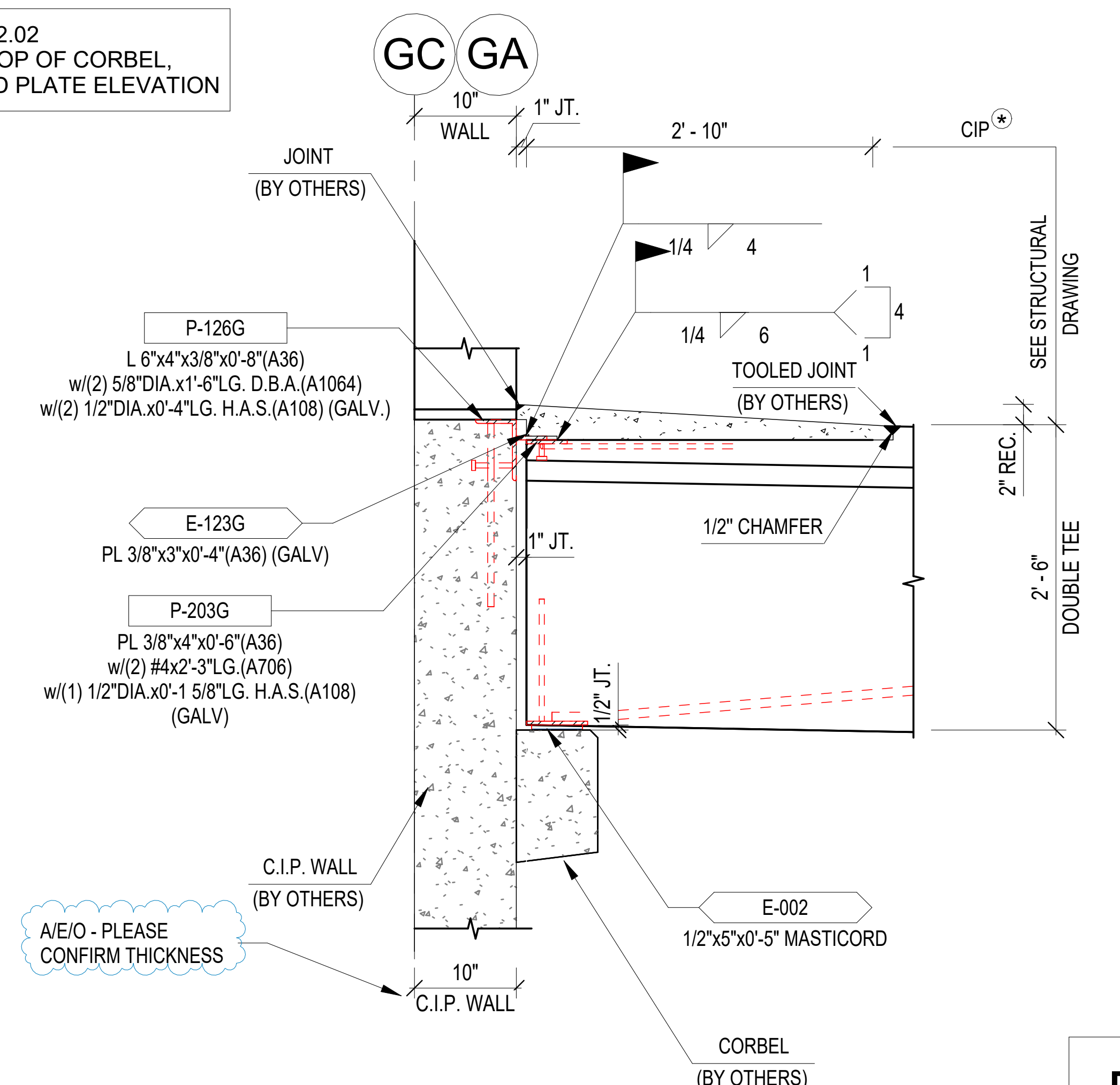

P-500G
L 8"x8"x1/2"x0'-6"(A36)
w/(4) #5x2'-6"LG.(A706) (GALV)
x2
E-117G
PL 3/8"x4"x0'-4"(A36) (GALV)
P-104G
PL 3/8"x6"x0'-10"(A36)
w/(4) #6x2'-6"LG.(A706) (GALV.)
SECTION-A
GRID
1' - 0"
WALL
6"
6"
3"
REC.
2 1/2"
2 1/2"
5/16
5
(*)(*)
GROUT FILL
AFTER WELDING
P-500G
L 8"x8"x1/2"x0'-6"(A36)
w/(4) #5x2'-6"LG.(A706) (GALV)
E-117G
PL 3/8"x4"x0'-4"(A36) (GALV)
A
6"
REC.
E-059
1"x6"x0'-6"
PLASTIC SHIM STACK
T.O. C.I.P. SEE E2.00
FOR ELEVATION
GROUT 1"
(*)(*)
BOTH ANGLE
LEGS
3/8
4
P-104G
PL 3/8"x6"x0'-10"(A36)
w/(4) #6x2'-6"LG.(A706) (GALV.)
C.I.P. WALL
(BY OTHERS)

ERECTOR NOTE

(*)(*) DRY-PACK OR FLOWABLE GROUT 6,000 PSI (MIN.) IN JOINT.
GROUT SHALL BE INSTALLED PRIOR TO ERECTING DTs.

F11

SEE E2.02
FOR TOP OF CORBEL,
EMBED PLATE ELEVATION


GC
GA
10"
WALL
1" JT.
2' - 10"
CIP (*)
JOINT
(BY OTHERS)
1/4
4
1
4
1
1/4
6
TOOLED JOINT
(BY OTHERS)
SEE STRUCTURAL
DRAWING
P-126G
L 6"x4"x3/8"x0'-8"(A36)
w/(2) 5/8"DIA.x1'-6"LG. D.B.A.(A1064)
w/(2) 1/2"DIA.x0'-4"LG. H.A.S.(A108) (GALV.)
2" REC.
E-123G
PL 3/8"x3"x0'-4"(A36) (GALV)
1" JT.
1/2" CHAMFER
2' - 6"
DOUBLE TEE
P-203G
PL 3/8"x4"x0'-6"(A36)
w/(2) #4x2'-3"LG.(A706)
w/(1) 1/2"DIA.x0'-1 5/8"LG. H.A.S.(A108)
(GALV)
1/2" JT.
C.I.P. WALL
(BY OTHERS)
A/E/O - PLEASE
CONFIRM THICKNESS
10"
C.I.P. WALL
E-002
1/2"x5"x0'-5" MASTICORD
CORBEL
(BY OTHERS)

(*)
SEE STRUCTURAL DRAWINGS FOR C.I.P. INFO, INCLUDING REINFORCEMENT STEEL (BY OTHERS)

F12

DRAWN BY:
OOM
CHECKED BY:
OVV/
DATE:
11/26/22

SUBMITTALS/REVISIONS:

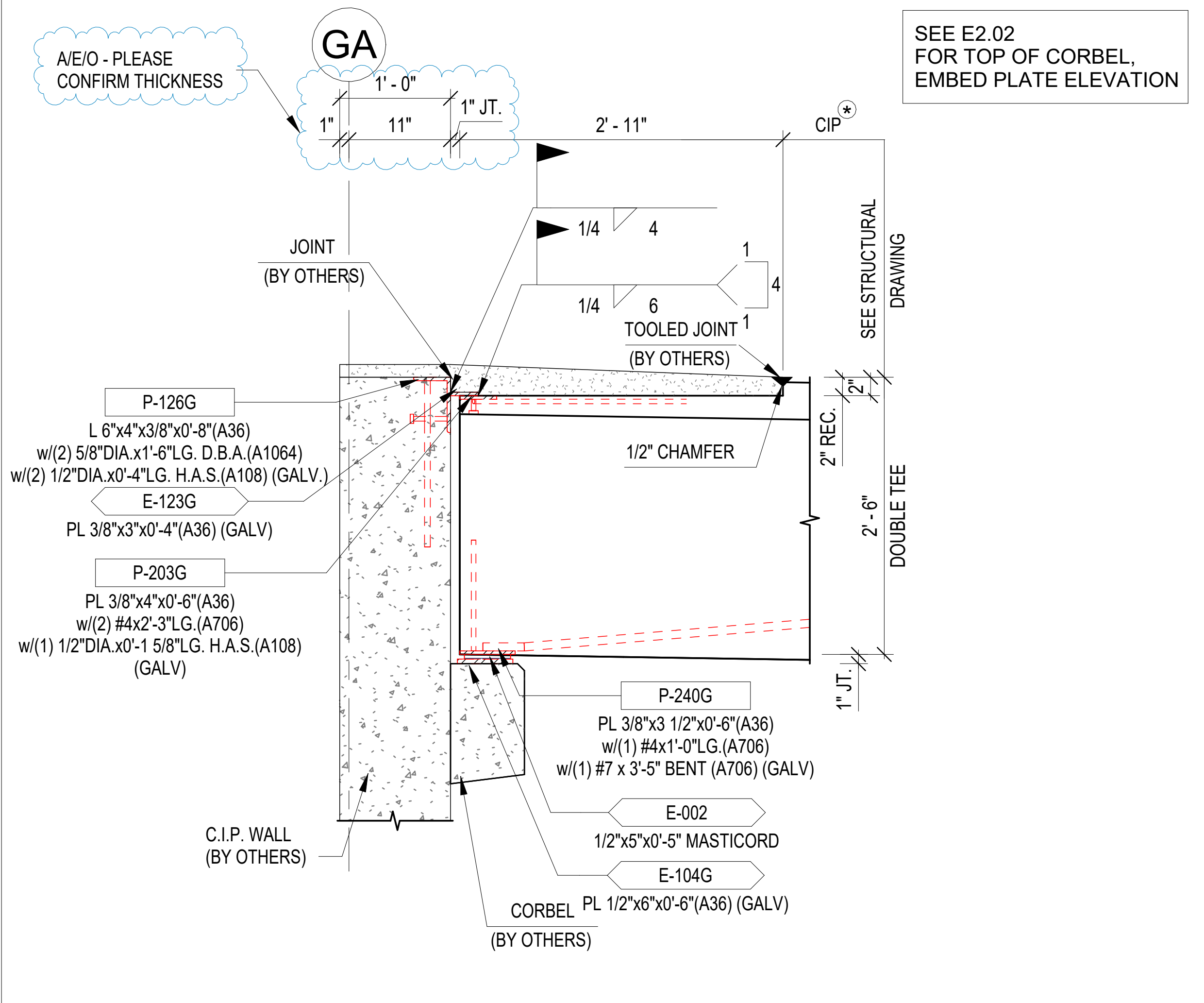
A	FOR APPROVAL	01/05/23

The CONSULTING ENGINEERS GROUP Inc.
16302 Pleasantville Road – SUITE 100 – SAN ANTONIO, TX 78233
210 637-0977 FAX 210 637-1172 E-MAIL engineers@cegtex.com

PROJECT:
GRANITE RUN PHASE II
MIDDLETOWN TOWNSHIP, PA
FOUNDATION DETAILS (F1 - F12)

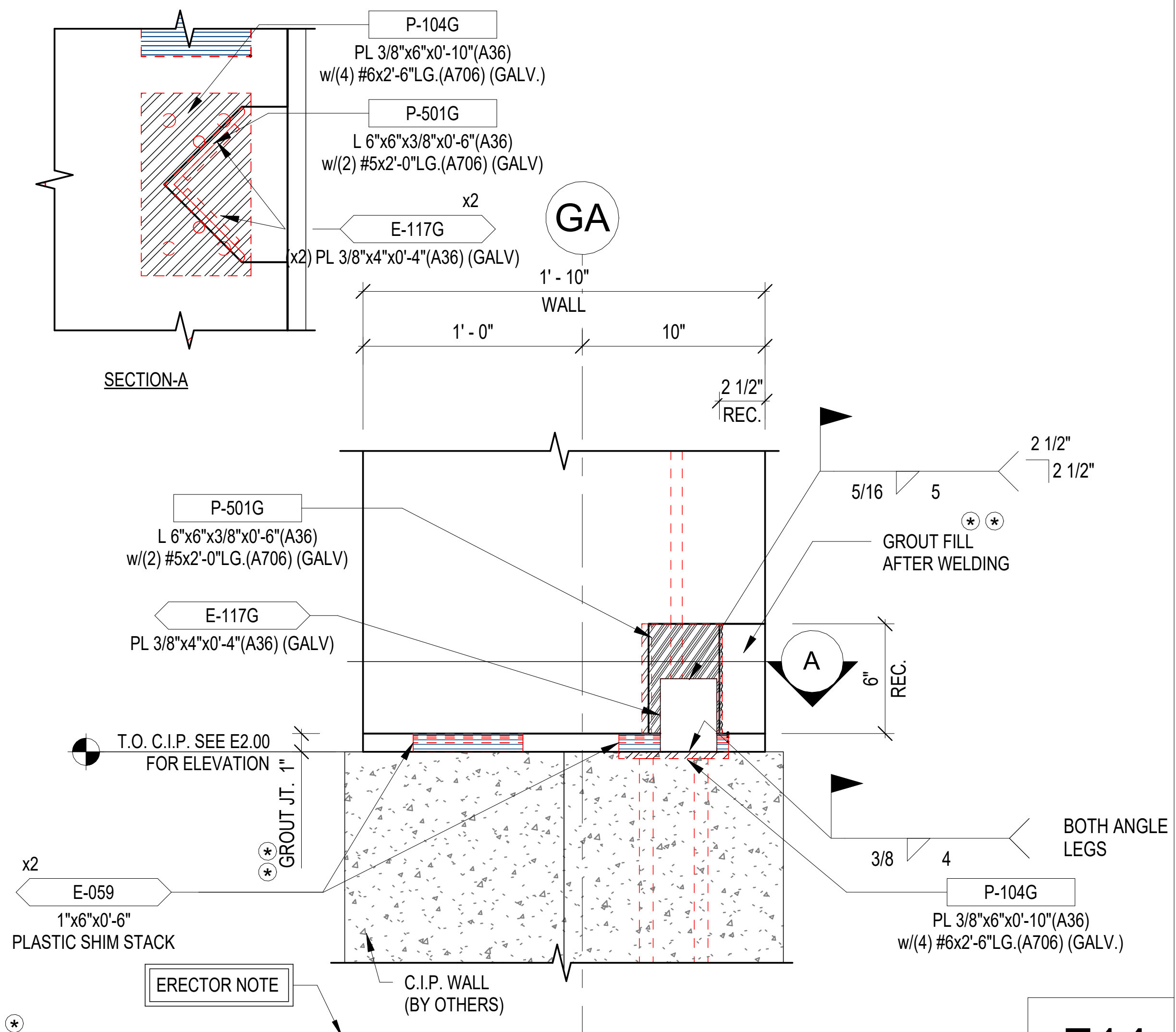
JERSEY PRECAST
853 NOTTINGHAM WAY
HAMILTON TOWNSHIP, NJ 08638
PH: 609-689-3700 FAX: 609-689-3797

CEG JOB NO.
22551
JOB NO.
22040
SHEET NO.
E2.03


GA
A/E/O - PLEASE CONFIRM THICKNESS
1' - 0"
1"
11"
1" JT.
2' - 11"
CIP
SEE E2.02 FOR TOP OF CORBEL, EMBED PLATE ELEVATION
JOINT (BY OTHERS)
1/4
4
1/4
6
TOOLED JOINT (BY OTHERS)
SEE STRUCTURAL DRAWING
P-126G
L 6"x4"x3/8"x0'-8"(A36)
w/(2) 5/8"DIA.x1'-6"LG. D.B.A.(A1064)
w/(2) 1/2"DIA.x0'-4"LG. H.A.S.(A108) (GALV.)
E-123G
PL 3/8"x3"x0'-4"(A36) (GALV)
1/2" CHAMFER
2" REC.
2' - 6" DOUBLE TEE
P-203G
PL 3/8"x4"x0'-6"(A36)
w/(2) #4x2'-3"LG.(A706)
w/(1) 1/2"DIA.x0'-1 5/8"LG. H.A.S.(A108) (GALV)
P-240G
PL 3/8"x3 1/2"x0'-6"(A36)
w/(1) #4x1'-0"LG.(A706)
w/(1) #7 x 3'-5" BENT (A706) (GALV)
1" JT.
E-002
1/2"x5"x0'-5" MASTICORD
C.I.P. WALL (BY OTHERS)
E-104G
CORBEL (BY OTHERS)
PL 1/2"x6"x0'-6"(A36) (GALV)

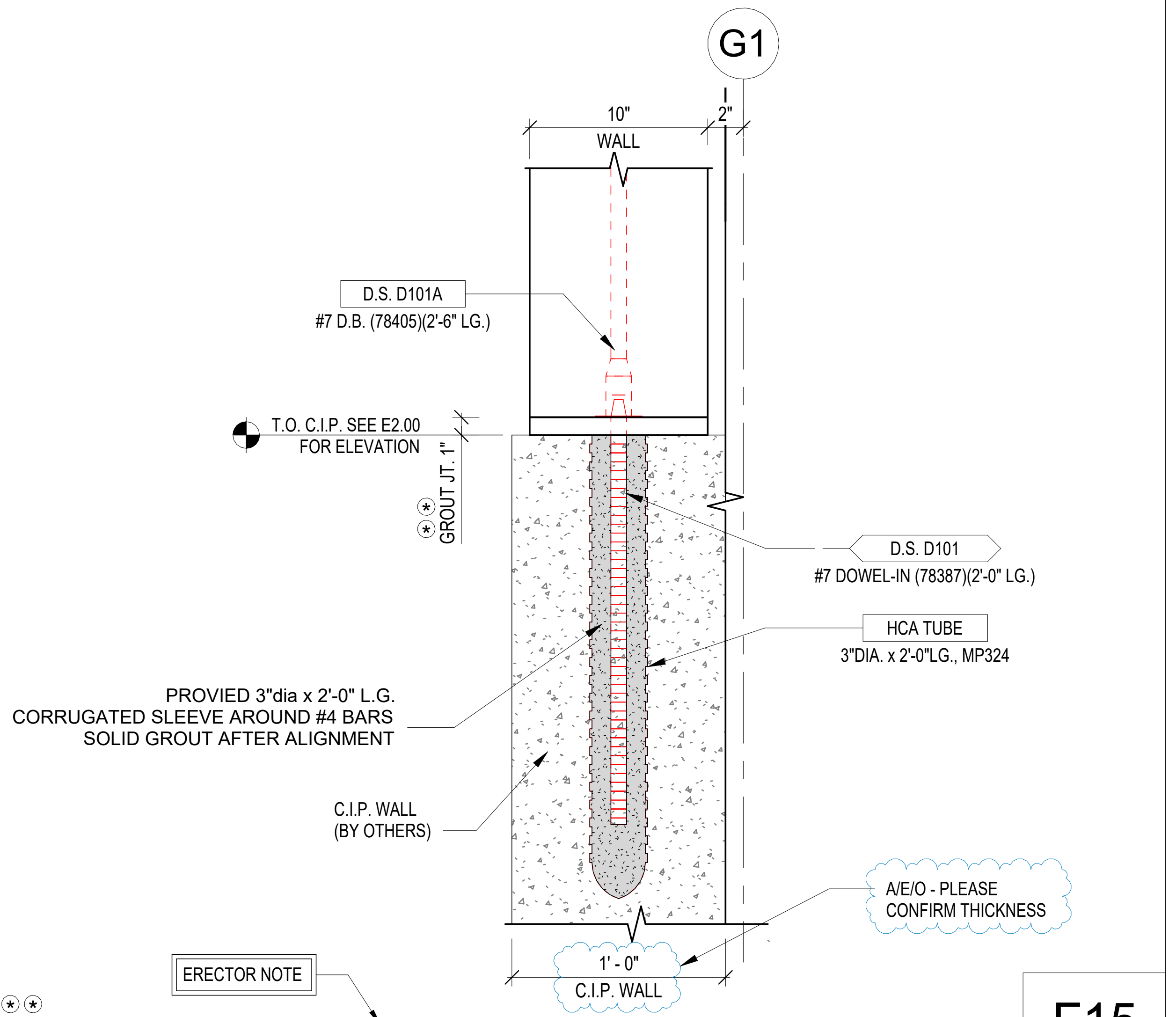
F13

SEE STRUCTURAL DRAWINGS FOR C.I.P. INFO, INCLUDING REINFORCEMENT STEEL (BY OTHERS)


SECTION-A
P-104G
PL 3/8"x6"x0'-10"(A36)
w/(4) #6x2'-6"LG.(A706) (GALV.)
P-501G
L 6"x6"x3/8"x0'-6"(A36)
w/(2) #5x2'-0"LG.(A706) (GALV)
x2
E-117G
(x2) PL 3/8"x4"x0'-4"(A36) (GALV)
GA
1' - 10"
WALL
1' - 0"
10"
2 1/2" REC.
2 1/2"
2 1/2"
P-501G
L 6"x6"x3/8"x0'-6"(A36)
w/(2) #5x2'-0"LG.(A706) (GALV)
5/16
5
GROUT FILL AFTER WELDING
E-117G
PL 3/8"x4"x0'-4"(A36) (GALV)
A
6" REC.
T.O. C.I.P. SEE E2.00 FOR ELEVATION
GROUT JT. 1"
x2
E-059
1"x6"x0'-6" PLASTIC SHIM STACK
BOTH ANGLE LEGS
3/8
4
P-104G
PL 3/8"x6"x0'-10"(A36)
w/(4) #6x2'-6"LG.(A706) (GALV.)
ERECTOR NOTE
C.I.P. WALL (BY OTHERS)

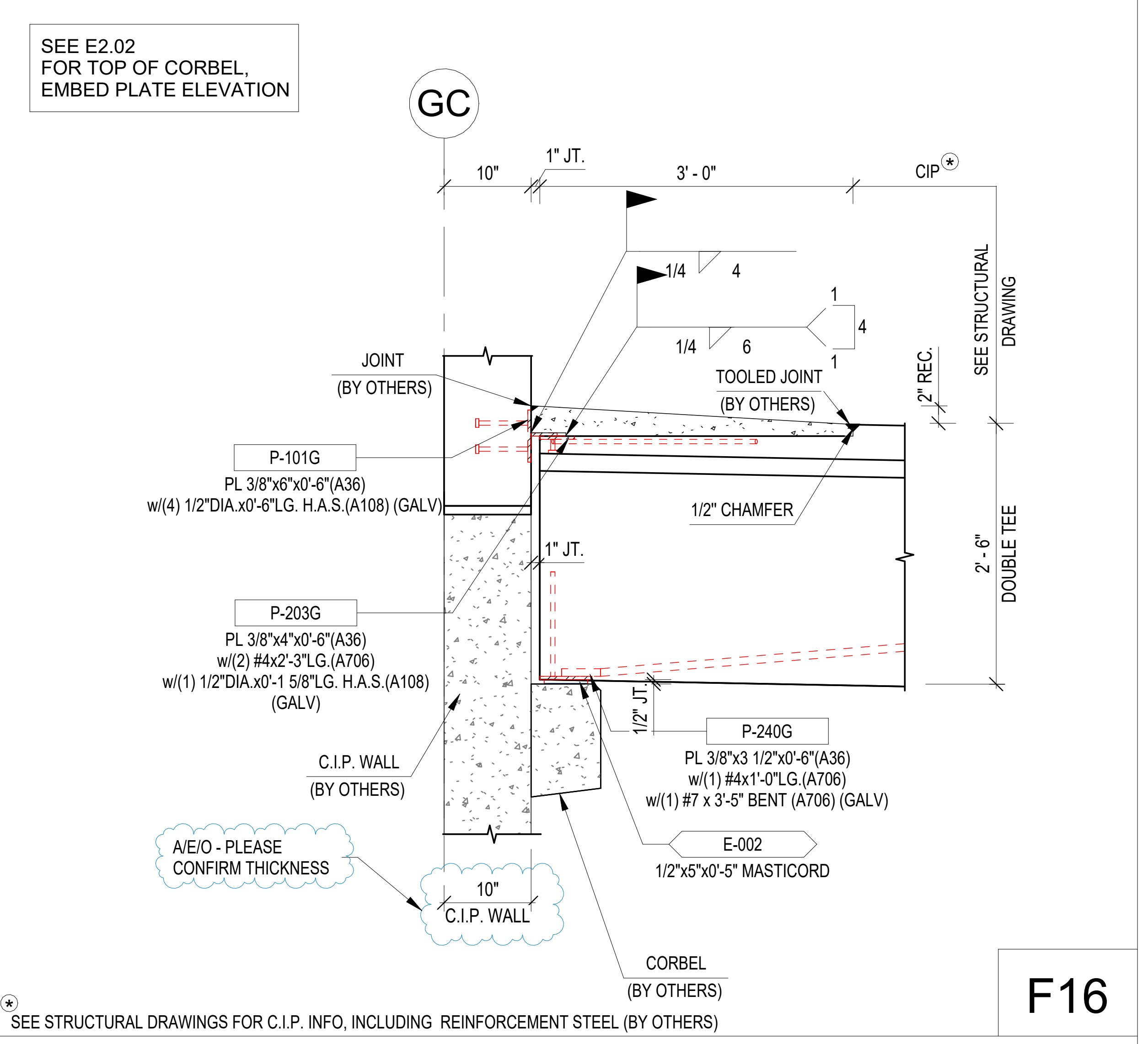
F14

DRY-PACK OR FLOWABLE GROUT 6,000 PSI (MIN.) IN JOINT.
GROUT SHALL BE INSTALLED PRIOR TO ERECTING DTs.


G1
10"
2"
WALL
D.S. D101A
#7 D.B. (78405)(2'-6" LG.)
T.O. C.I.P. SEE E2.00 FOR ELEVATION
GROUT JT. 1"
D.S. D101
#7 DOWEL-IN (78387)(2'-0" LG.)
HCA TUBE
3"DIA. x 2'-0"LG., MP324
PROVIDED 3"dia x 2'-0" L.G. CORRUGATED SLEEVE AROUND #4 BARS SOLID GROUT AFTER ALIGNMENT
C.I.P. WALL (BY OTHERS)
A/E/O - PLEASE CONFIRM THICKNESS
ERECTOR NOTE
1' - 0"
C.I.P. WALL

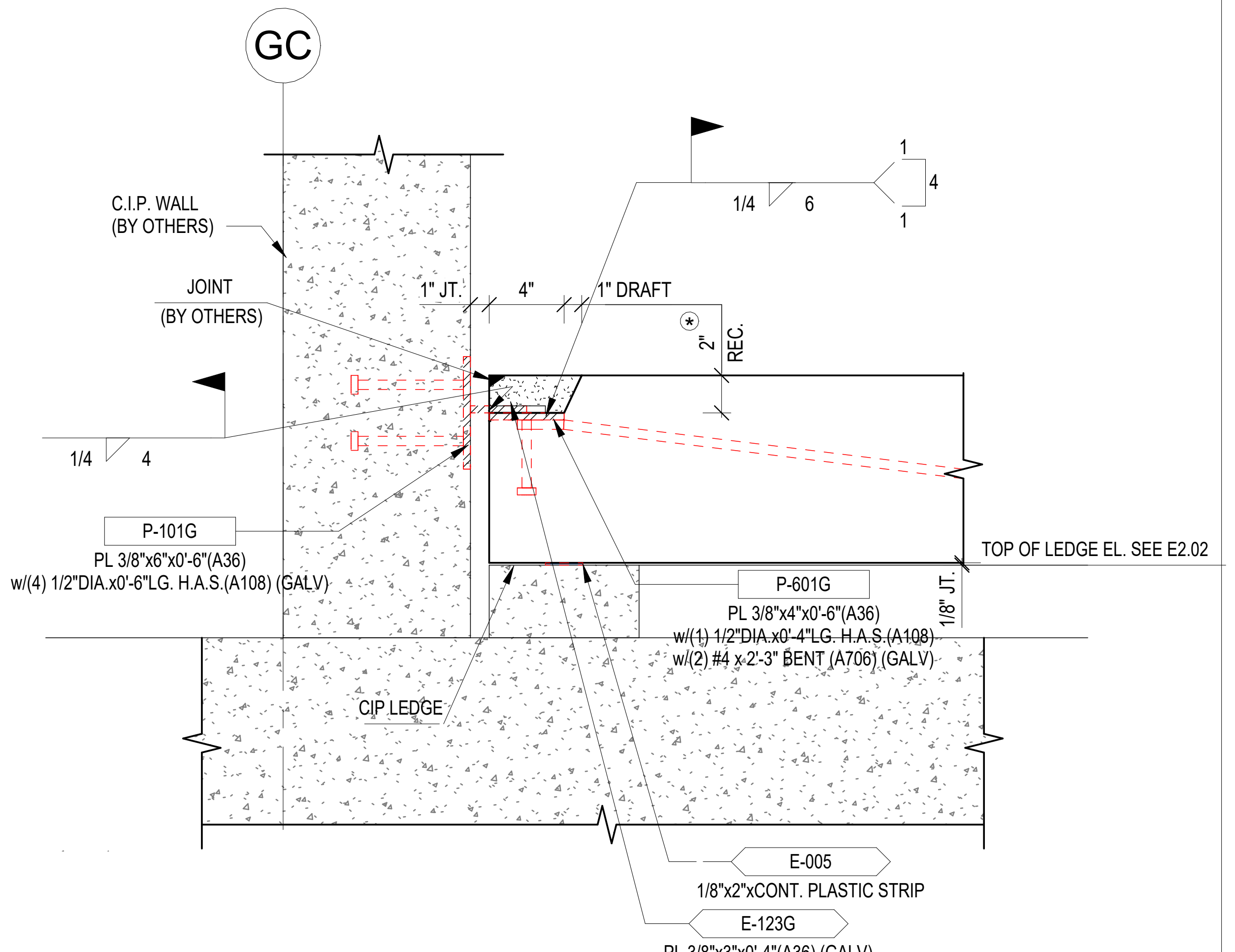
F15

DRY-PACK OR FLOWABLE GROUT 6,000 PSI (MIN.) IN JOINT.


SEE E2.02 FOR TOP OF CORBEL, EMBED PLATE ELEVATION
GC
10"
1" JT.
3' - 0"
CIP
1/4
4
1/4
6
TOOLED JOINT (BY OTHERS)
JOINT (BY OTHERS)
2" REC.
SEE STRUCTURAL DRAWING
P-101G
PL 3/8"x6"x0'-6"(A36)
w/(4) 1/2"DIA.x0'-6"LG. H.A.S.(A108) (GALV)
1/2" CHAMFER
2' - 6" DOUBLE TEE
1" JT.
P-203G
PL 3/8"x4"x0'-6"(A36)
w/(2) #4x2'-3"LG.(A706)
w/(1) 1/2"DIA.x0'-1 5/8"LG. H.A.S.(A108) (GALV)
1/2" JT.
P-240G
PL 3/8"x3 1/2"x0'-6"(A36)
w/(1) #4x1'-0"LG.(A706)
w/(1) #7 x 3'-5" BENT (A706) (GALV)
C.I.P. WALL (BY OTHERS)
E-002
1/2"x5"x0'-5" MASTICORD
A/E/O - PLEASE CONFIRM THICKNESS
10"
C.I.P. WALL
CORBEL (BY OTHERS)

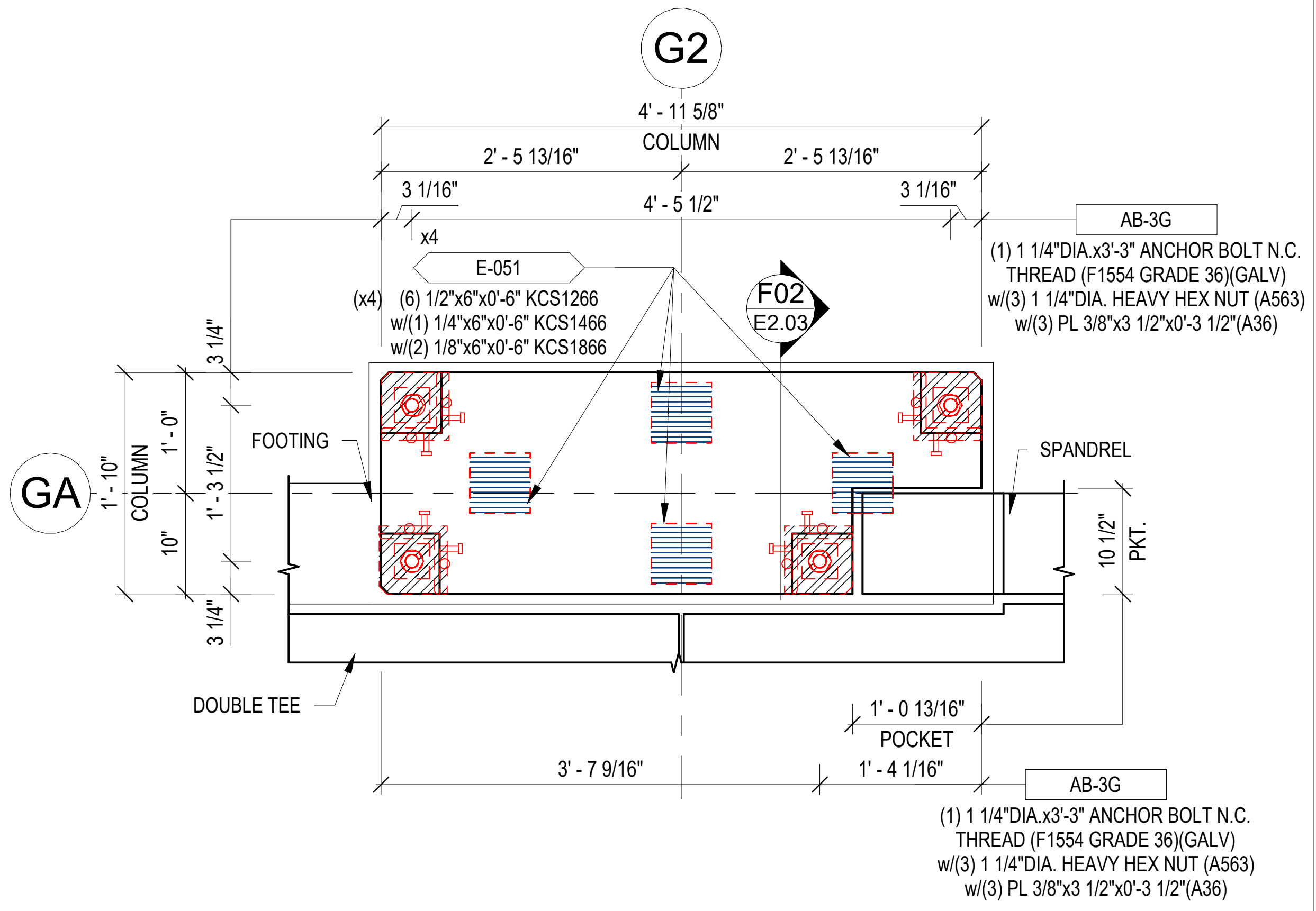
F16

SEE STRUCTURAL DRAWINGS FOR C.I.P. INFO, INCLUDING REINFORCEMENT STEEL (BY OTHERS)

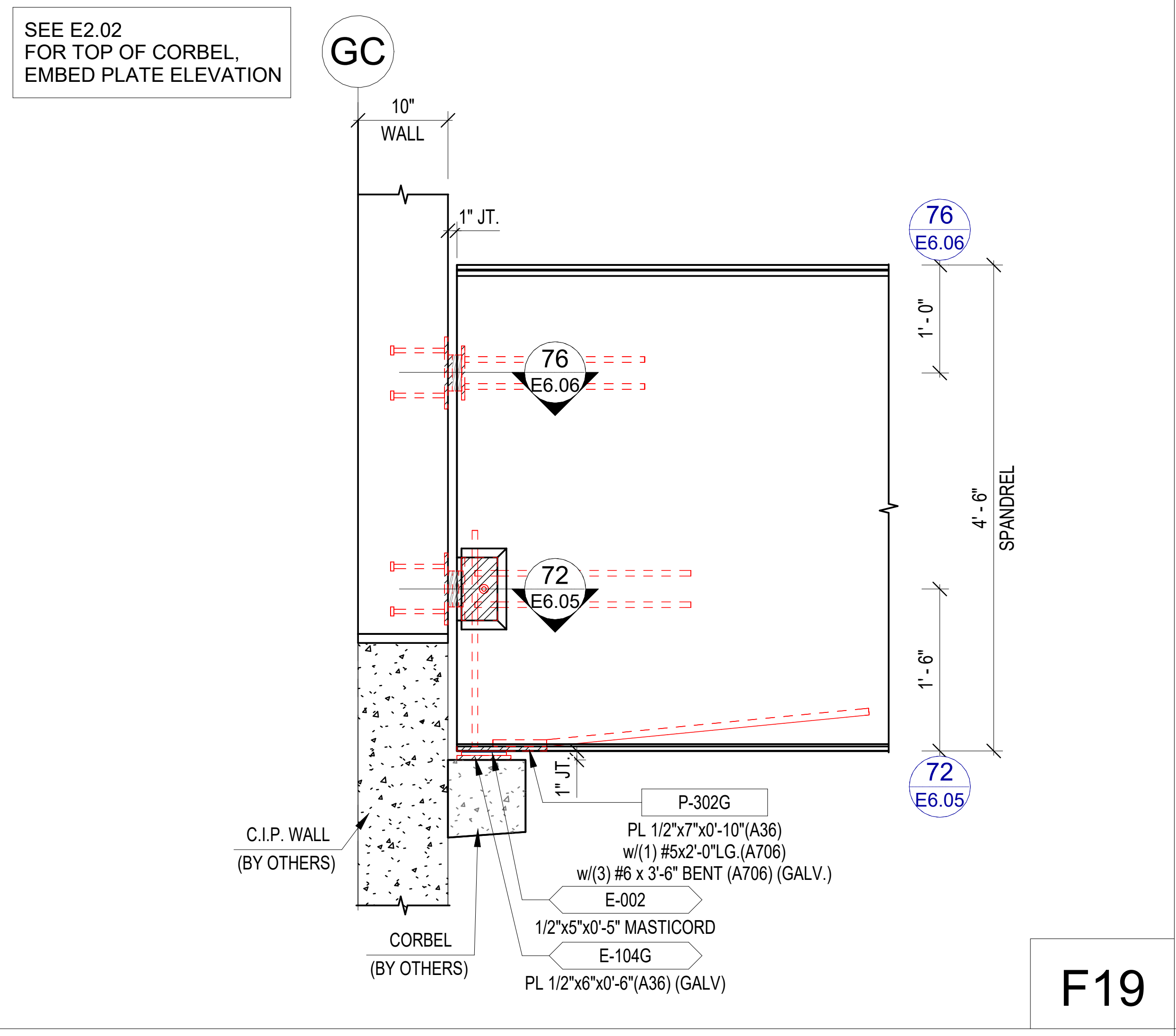

GC
C.I.P. WALL (BY OTHERS)
1/4
6
JOINT (BY OTHERS)
1" JT.
4"
1" DRAFT
2" REC.
1/4
4
P-101G
PL 3/8"x6"x0'-6"(A36)
w/(4) 1/2"DIA.x0'-6"LG. H.A.S.(A108) (GALV)
P-601G
PL 3/8"x4"x0'-6"(A36)
w/(1) 1/2"DIA.x0'-4"LG. H.A.S.(A108)
w/(2) #4 x 2'-3" BENT (A706) (GALV)
1/8" JT.
TOP OF LEDGE EL. SEE E2.02
CIP LEDGE
E-005
1/8"x2"xCONT. PLASTIC STRIP
E-123G
PL 3/8"x3"x0'-4"(A36) (GALV)

F17

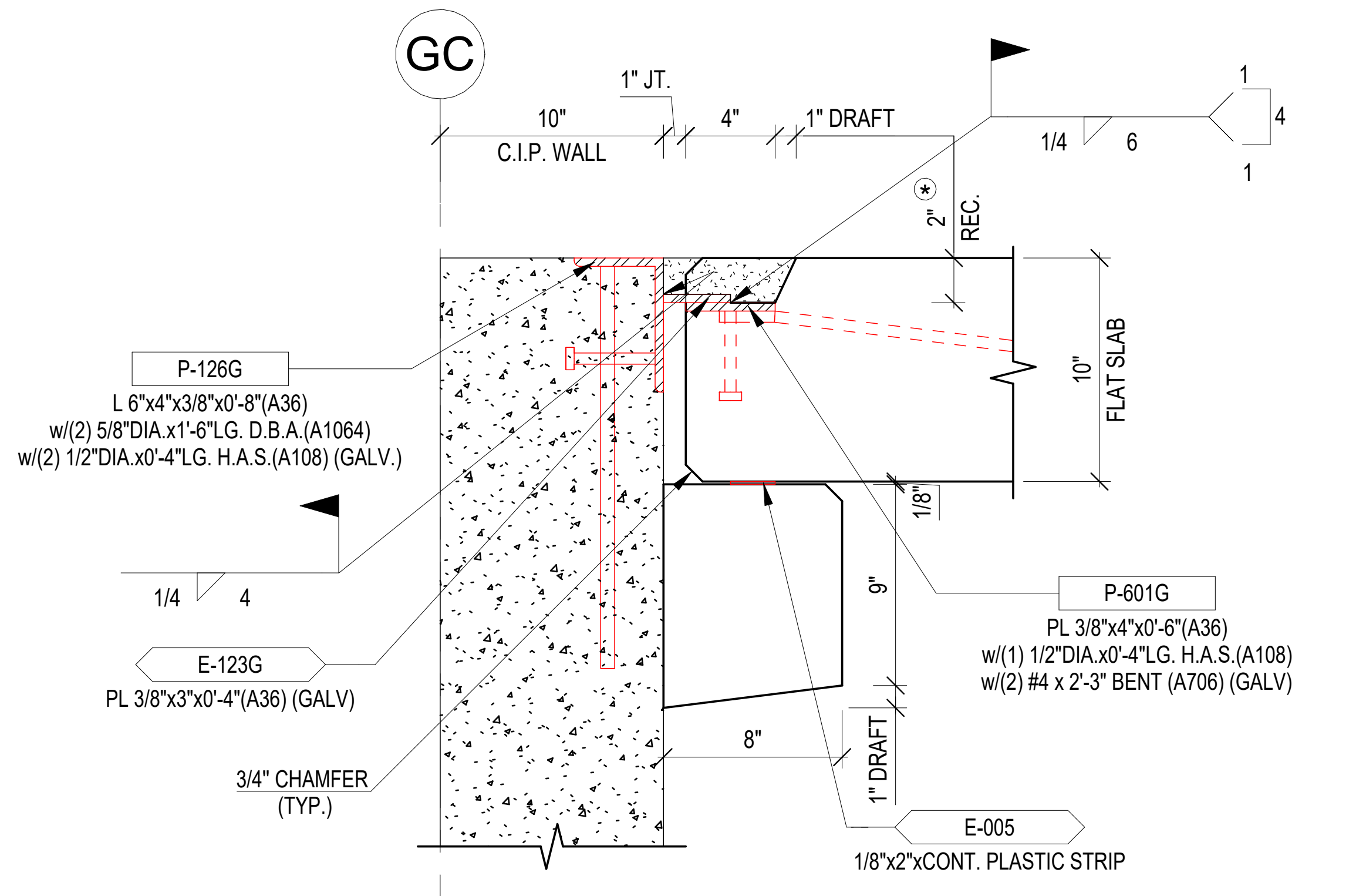
FILL RECESS W/(6000 PSI) GROUT AFTER WELDS ARE INSPECTED AND APPROVED


G2
4' - 11 5/8"
COLUMN
2' - 5 13/16"
2' - 5 13/16"
3 1/16"
4' - 5 1/2"
3 1/16"
AB-3G
(1) 1 1/4"DIA.x3'-3" ANCHOR BOLT N.C. THREAD (F1554 GRADE 36)(GALV)
w/(3) 1 1/4"DIA. HEAVY HEX NUT (A563)
w/(3) PL 3/8"x3 1/2"x0'-3 1/2"(A36)
x4
E-051
(x4) (6) 1/2"x6"x0'-6" KCS1266
w/(1) 1/4"x6"x0'-6" KCS1466
w/(2) 1/8"x6"x0'-6" KCS1866
F02
E2.03
GA
1' - 10" COLUMN
3 1/4"
1' - 0"
1' - 3 1/2"
10"
3 1/4"
FOOTING
SPANDREL
10 1/2" PKT.
DOUBLE TEE
1' - 0 13/16" POCKET
3' - 7 9/16"
1' - 4 1/16"
AB-3G
(1) 1 1/4"DIA.x3'-3" ANCHOR BOLT N.C. THREAD (F1554 GRADE 36)(GALV)
w/(3) 1 1/4"DIA. HEAVY HEX NUT (A563)
w/(3) PL 3/8"x3 1/2"x0'-3 1/2"(A36)

F18

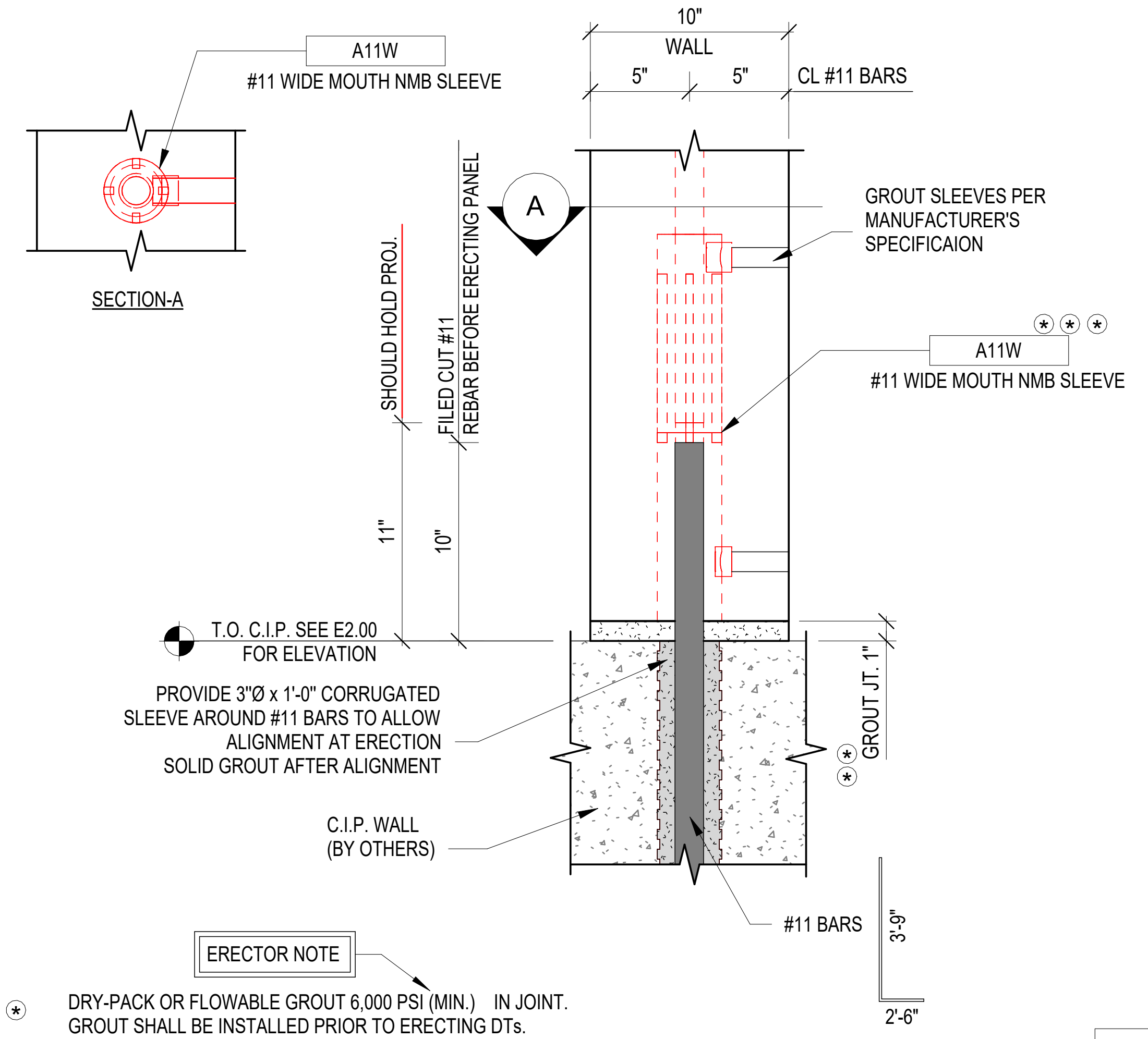

SEE E2.02 FOR TOP OF CORBEL, EMBED PLATE ELEVATION
GC
10"
WALL
1" JT.
76
E6.06
1' - 0"
76
E6.06
4' - 6" SPANDREL
72
E6.05
1' - 6"
72
E6.05
1" JT.
C.I.P. WALL (BY OTHERS)
P-302G
PL 1/2"x7"x0'-10"(A36)
w/(1) #5x2'-0"LG.(A706)
w/(3) #6 x 3'-6" BENT (A706) (GALV.)
E-002
1/2"x5"x0'-5" MASTICORD
CORBEL (BY OTHERS)
E-104G
PL 1/2"x6"x0'-6"(A36) (GALV)

F19


GC
1" JT.
10"
C.I.P. WALL
4"
1" DRAFT
1/4
6
2" REC.
P-126G
L 6"x4"x3/8"x0'-8"(A36)
w/(2) 5/8"DIA.x1'-6"LG. D.B.A.(A1064)
w/(2) 1/2"DIA.x0'-4"LG. H.A.S.(A108) (GALV.)
10" FLAT SLAB
1/8"
1/4
4
E-123G
PL 3/8"x3"x0'-4"(A36) (GALV)
9"
P-601G
PL 3/8"x4"x0'-6"(A36)
w/(1) 1/2"DIA.x0'-4"LG. H.A.S.(A108)
w/(2) #4 x 2'-3" BENT (A706) (GALV)
3/4" CHAMFER (TYP.)
8"
1" DRAFT
E-005
1/8"x2"xCONT. PLASTIC STRIP

F20

FILL RECESS W/(6000 PSI) GROUT AFTER WELDS ARE INSPECTED AND APPROVED


A11W
#11 WIDE MOUTH NMB SLEEVE
SECTION-A
10"
WALL
5"
5"
CL #11 BARS
A
GROUT SLEEVES PER MANUFACTURER'S SPECIFICAION
SHOULD HOLD PROJ.
FILED CUT #11 REBAR BEFORE ERECTING PANEL
A11W
#11 WIDE MOUTH NMB SLEEVE
11"
10"
T.O. C.I.P. SEE E2.00 FOR ELEVATION
GROUT JT. 1"
PROVIDE 3"Ø x 1'-0" CORRUGATED SLEEVE AROUND #11 BARS TO ALLOW ALIGNMENT AT ERECTION SOLID GROUT AFTER ALIGNMENT
C.I.P. WALL (BY OTHERS)
ERECTOR NOTE
#11 BARS
3'-9"
2'-6"

DRY-PACK OR FLOWABLE GROUT 6,000 PSI (MIN.) IN JOINT.
GROUT SHALL BE INSTALLED PRIOR TO ERECTING DTs.

NMB SLEEVES TO BE GROUTED W/SS MORTAR
PER THE MANUFACTURER'S SPECIFICATIONS

F21

CHRIS C. KERCSMAR

DRAWN BY: OAS
CHECKED BY:
DATE: 12/05/22

SUBMITTALS/REVISIONS:
A FOR APPROVAL 01/05/23

The CONSULTING ENGINEERS GROUP Inc.

CEG

PROJECT:
GRANITE RUN PHASE II
MIDDLETOWN TOWNSHIP, PA
FOUNDATION DETAILS (F13 - F21)

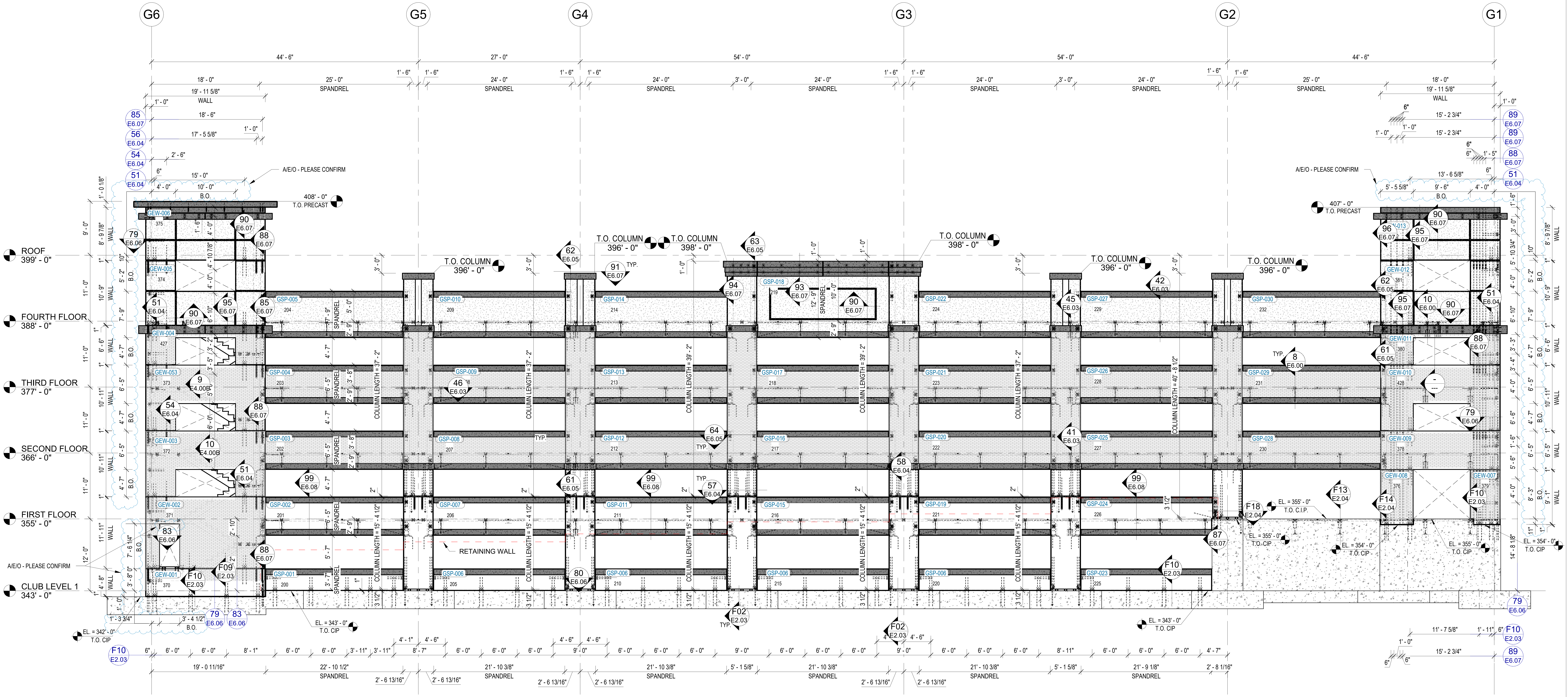
JERSEY PRECAST
853 NOTTINGHAM WAY
HAMILTON TOWNSHIP, NJ 08638
PH: 609-689-3700 FAX: 609-689-3797

CEG JOB NO.
22551

JOB NO.
22040

SHEET NO.
E2.04

SEE E4.00B FOR BRICK LAYOUT AND REVEAL


G6
G5
G4
G3
G2
G1
44' - 6"
27' - 0"
54' - 0"
54' - 0"
44' - 6"
SPANDREL
WALL
ROOF
399' - 0"
FOURTH FLOOR
388' - 0"
THIRD FLOOR
377' - 0"
SECOND FLOOR
366' - 0"
FIRST FLOOR
355' - 0"
CLUB LEVEL 1
343' - 0"
408' - 0"
T.O. PRECAST
407' - 0"
T.O. PRECAST
T.O. COLUMN
396' - 0"
T.O. COLUMN
398' - 0"
A/E/O - PLEASE CONFIRM
RETAINING WALL
EL = 355' - 0"
T.O. C.I.P.
EL = 354' - 0"
T.O. CIP
EL = 343' - 0"
T.O. CIP
EL = 342' - 0"
T.O. CIP
COLUMN LENGTH = 37' - 2"
COLUMN LENGTH = 39' - 2"
COLUMN LENGTH = 40' - 8 1/2"
COLUMN LENGTH = 15' - 4 1/2"
TYP.

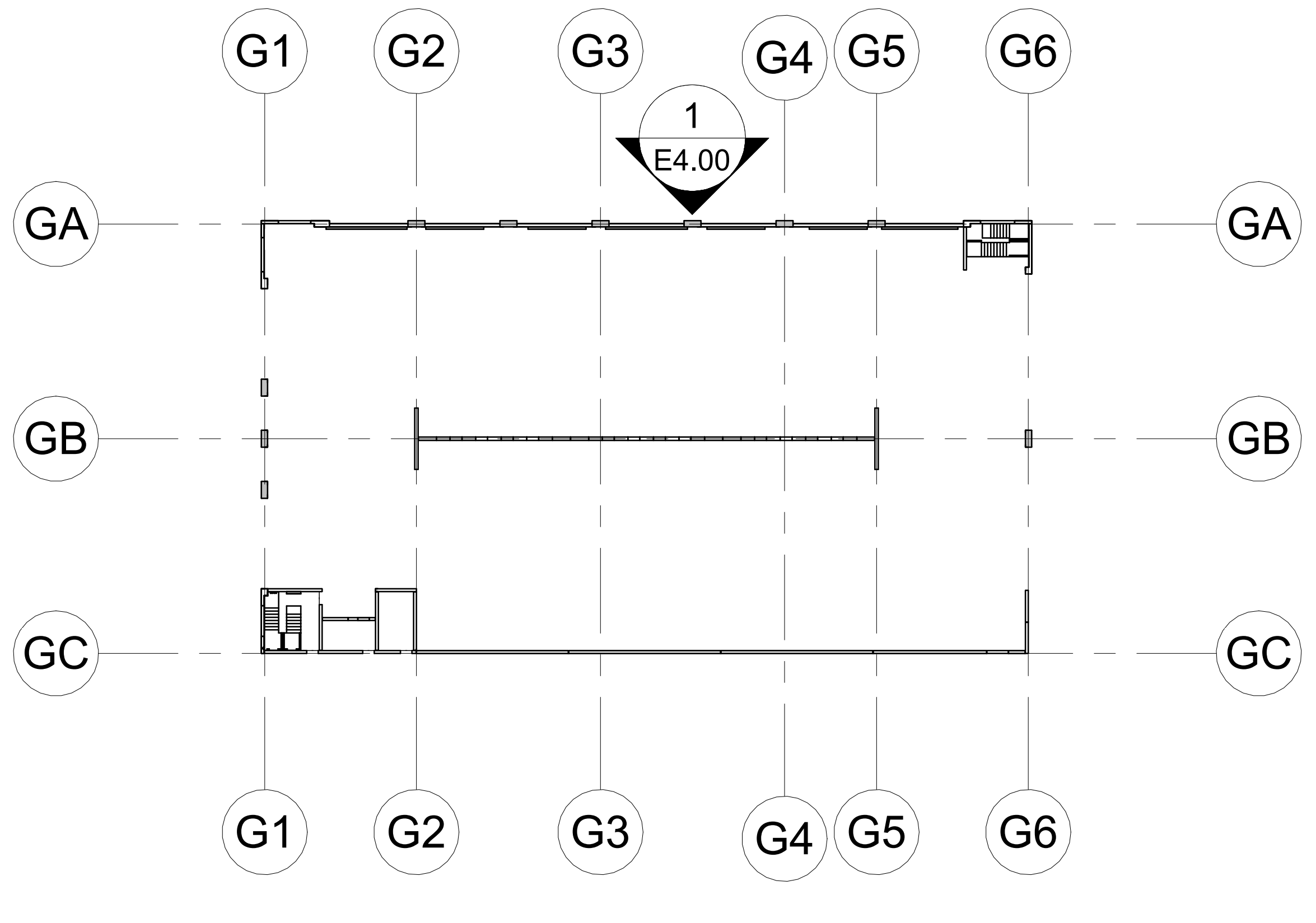
1 NORTH ELEVATION

E4.00

SCALE: 1/8" = 1'-0"

CHRIS C. KERCSMAR

PE062269


G1
G2
G3
G4
G5
G6
GA
GB
GC
1
E4.00

KEY PLAN

NOTES:

░	= STERLING GREY, SANDBLAST FINISH
▓	= STAINED DARK GREY, SANDBLAST FINISH
▒	= C.I.P. CONCRETE
▦	= PRECAST PANEL WITH THIN BRICK, GREY CONCRETE
☐	= GREY CONCRETE, FROM FINISH (EXCEPT FOR COLUMN WHICH WILL BE STERLING GREY)

DRAWN BY:
OAS
CHECKED BY:
OVV/
DATE:
11/07/22

SUBMITTALS/REVISIONS:

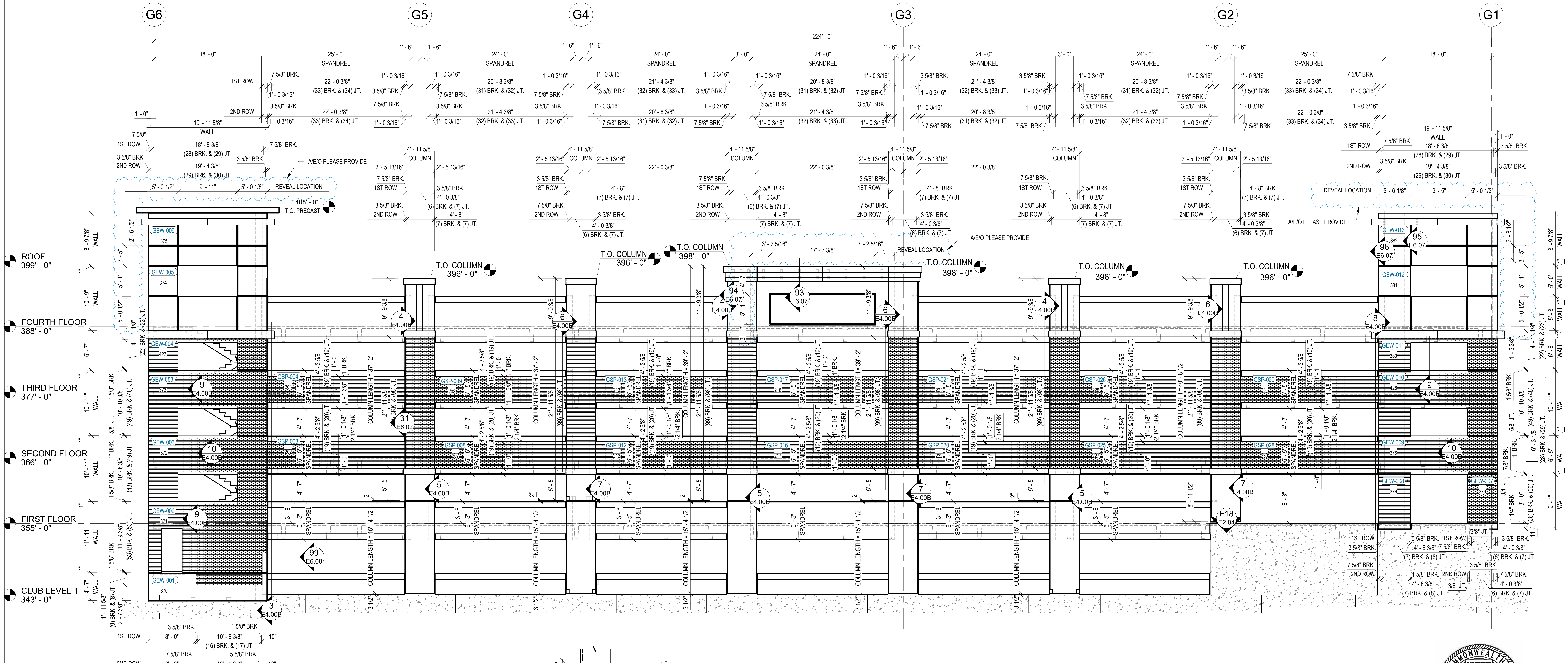
A	FOR APPROVAL	01/05/23

The CONSULTING ENGINEERS GROUP Inc.
16302 Pleasantville Road – SUITE 100 – SAN ANTONIO, TX 78233
210 637-0977 FAX 210 637-1172 E-MAIL engineers@cegtex.com

PROJECT:
GRANITE RUN PHASE II
MIDDLETOWN TOWNSHIP, PA
NORTH EXTERIOR ELEVATION

JERSEY PRECAST
853 NOTTINGHAM WAY
HAMILTON TOWNSHIP, NJ 08638
PH: 609-689-3700 FAX: 609-689-3797

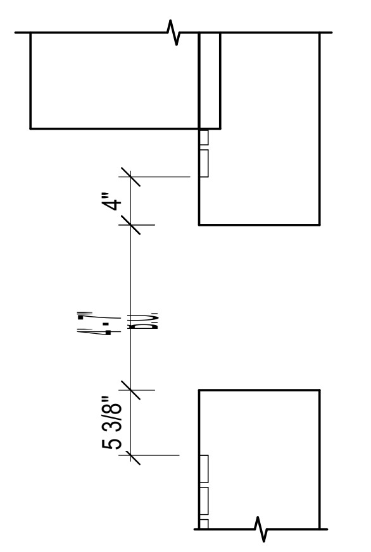
CEG JOB NO.
22551
JOB NO.
22040
SHEET NO.
E4.00


G6
G5
G4
G3
G2
G1
224' - 0"
ROOF
399' - 0"
FOURTH FLOOR
388' - 0"
THIRD FLOOR
377' - 0"
SECOND FLOOR
366' - 0"
FIRST FLOOR
355' - 0"
CLUB LEVEL 1
343' - 0"
T.O. COLUMN
396' - 0"
T.O. COLUMN
398' - 0"
408' - 0"
T.O. PRECAST
A/E/O PLEASE PROVIDE
REVEAL LOCATION
SPANDREL
COLUMN
WALL
1ST ROW
2ND ROW

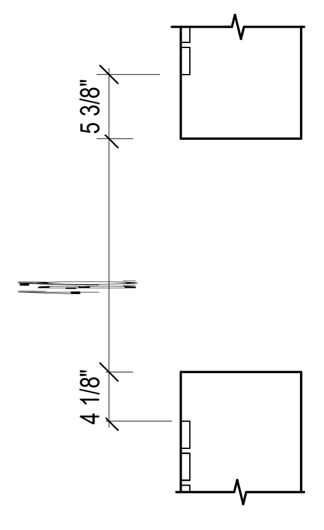
1 NORTH ELEVATION BRICK
E4.00B SCALE: 1/8" = 1'-0"

NOTE:

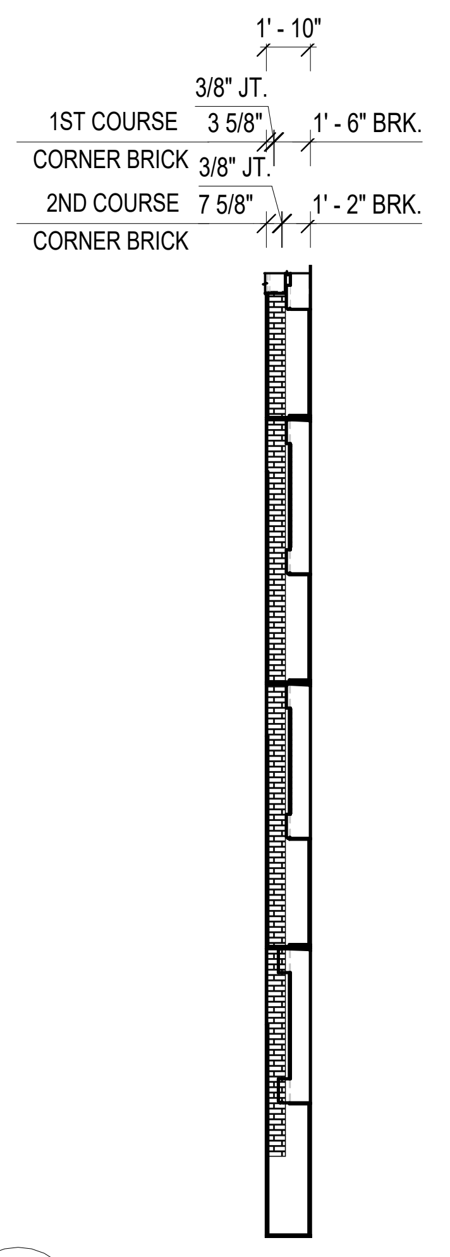
SEE CONNECTION FOR BRICK PANEL ON SHEET E4.00



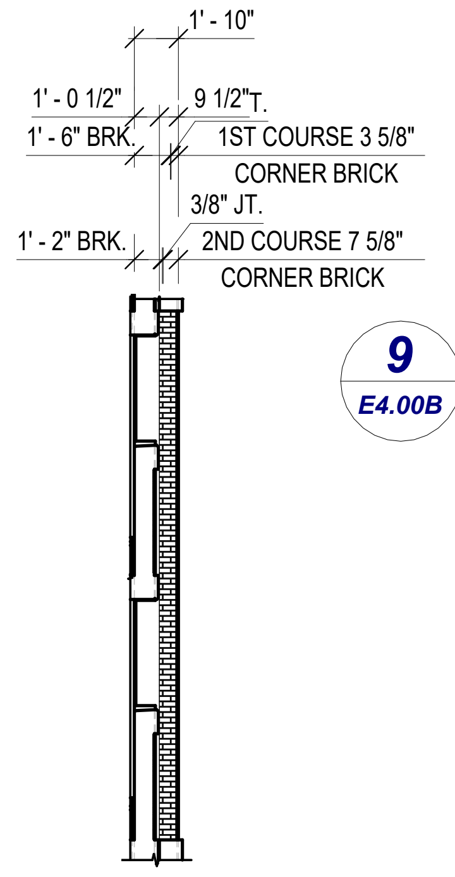
9 WALL OPENING 1
E4.00B SCALE: 3/4" = 1'-0"



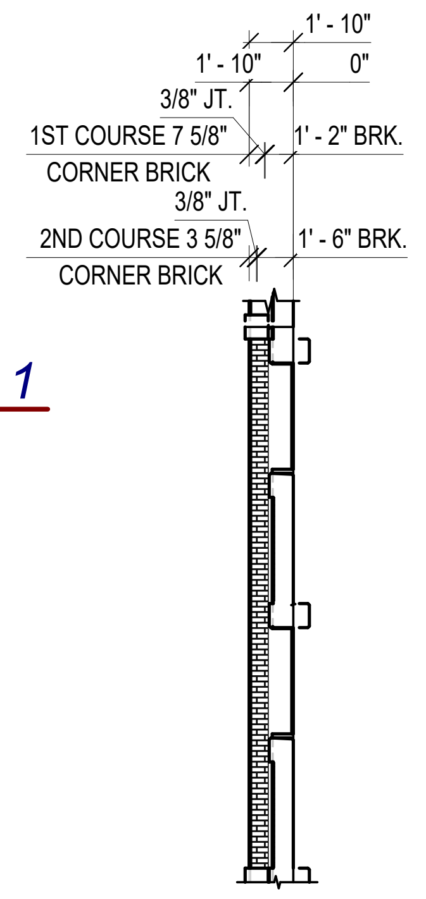
10 WALL OPENING 2
E4.00B SCALE: 3/4" = 1'-0"


1'- 10"
1ST COURSE
CORNER BRICK
2ND COURSE
CORNER BRICK
3 5/8"
7 5/8"
3/8" JT.
1'- 6" BRK.
1'- 2" BRK.

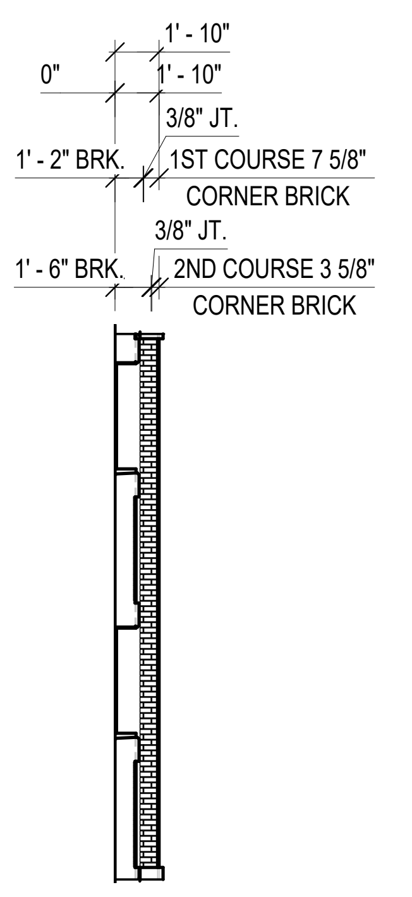
3 BRICK WALL SIDE VIEW
E4.00B SCALE: 1/8" = 1'-0"


1'- 10"
1'- 0 1/2"
9 1/2"
1'- 6" BRK.
1'- 2" BRK.
1ST COURSE 3 5/8"
CORNER BRICK
2ND COURSE 7 5/8"
CORNER BRICK

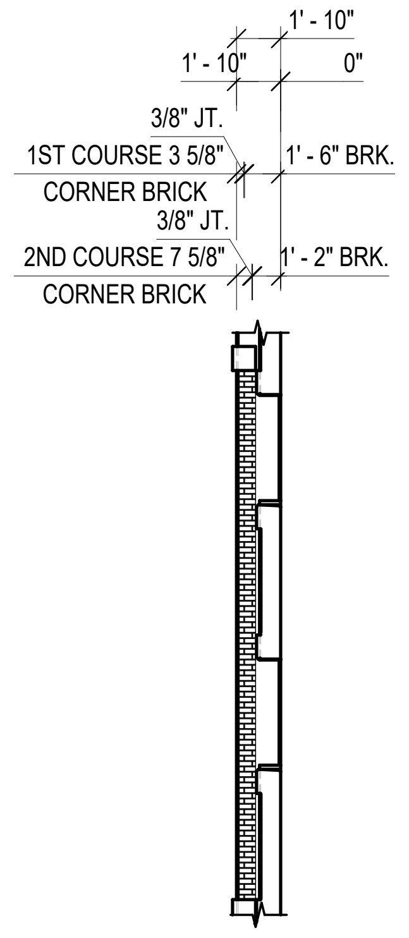
4 BRICK COLUMN SIDE VIEW-A
E4.00B SCALE: 1/8" = 1'-0"


1'- 10"
1'- 10"
0"
1ST COURSE 7 5/8"
CORNER BRICK
2ND COURSE 3 5/8"
CORNER BRICK
1'- 2" BRK.
1'- 6" BRK.

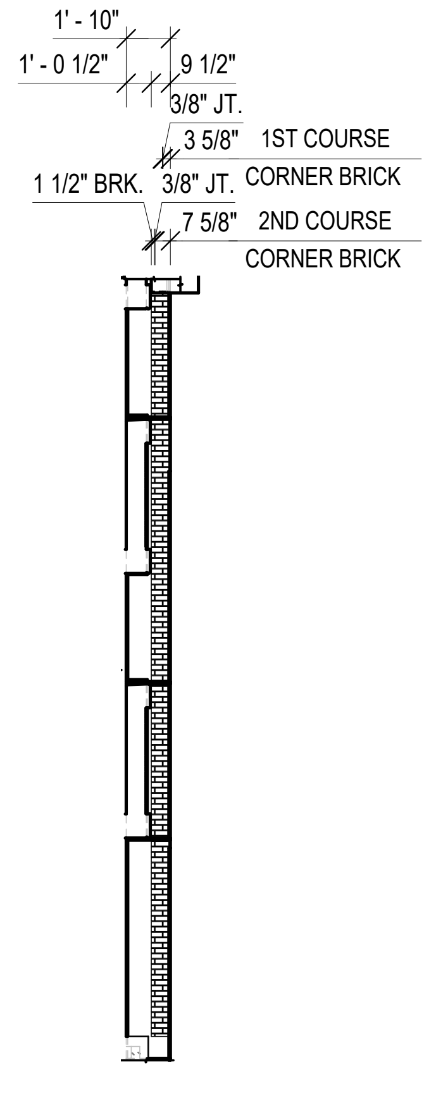
5 BRICK COLUMN SIDE VIEW-B
E4.00B SCALE: 1/8" = 1'-0"


1'- 10"
1'- 10"
0"
1'- 2" BRK.
1'- 6" BRK.
1ST COURSE 7 5/8"
CORNER BRICK
2ND COURSE 3 5/8"
CORNER BRICK

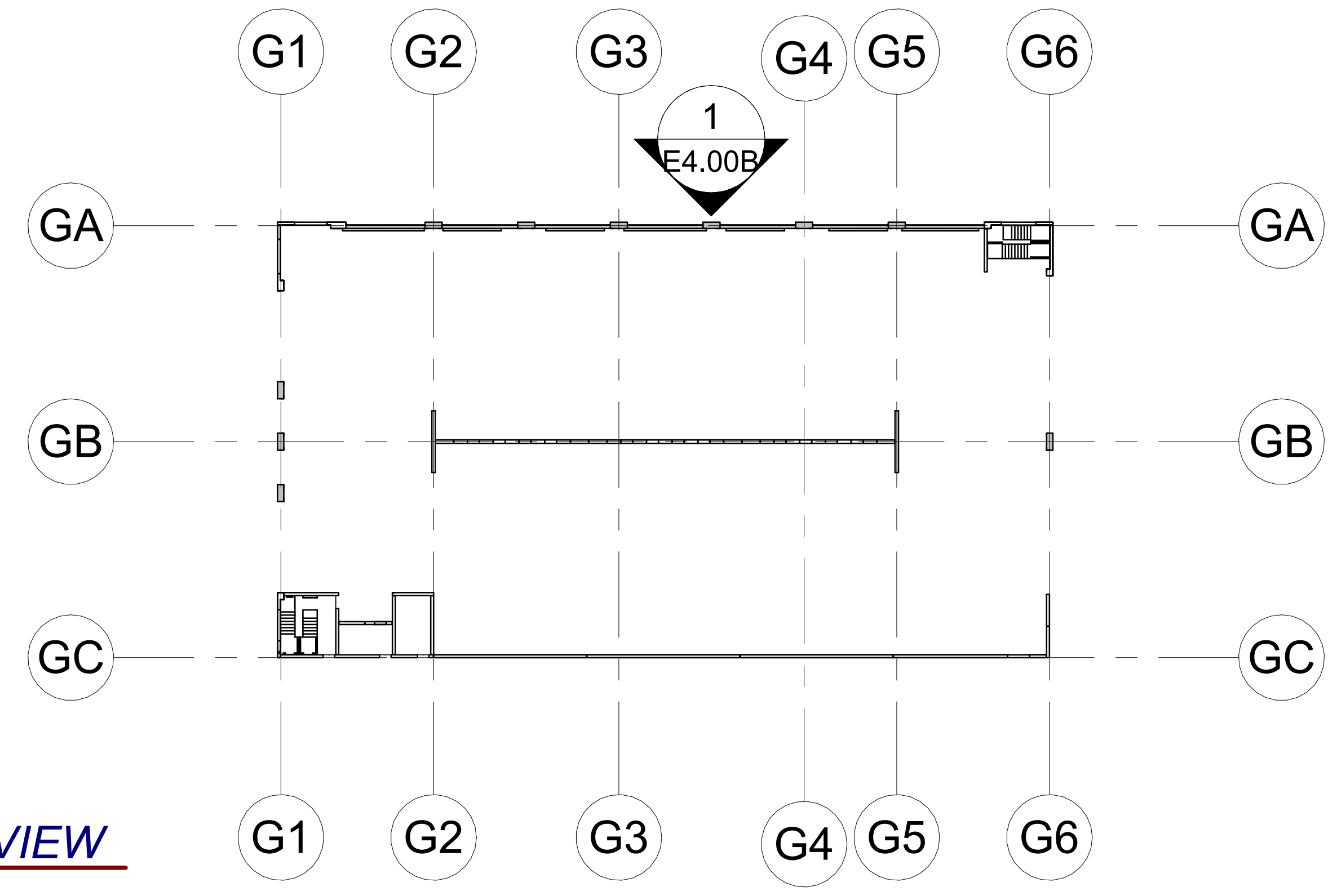
6 BRICK COLUMN SIDE VIEW-C
E4.00B SCALE: 1/8" = 1'-0"


1'- 10"
1'- 10"
0"
1ST COURSE 3 5/8"
CORNER BRICK
2ND COURSE 7 5/8"
CORNER BRICK
1'- 6" BRK.
1'- 2" BRK.

7 BRICK COLUMN SIDE VIEW-D
E4.00B SCALE: 1/8" = 1'-0"


1'- 10"
1'- 0 1/2"
9 1/2"
1 1/2" BRK.
1ST COURSE
CORNER BRICK
2ND COURSE
CORNER BRICK

8 BRICK WALL SIDE VIEW
E4.00B SCALE: 1/8" = 1'-0"


G1
G2
G3
G4
G5
G6
GA
GB
GC
1
E4.00B

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
CHRIS C. KERCSMAR
ENGINEER
PE062269

DRAWN BY: OAS
CHECKED BY:
DATE: 12/02/22

SUBMITTALS/REVISIONS:

A	FOR APPROVAL	01/05/23

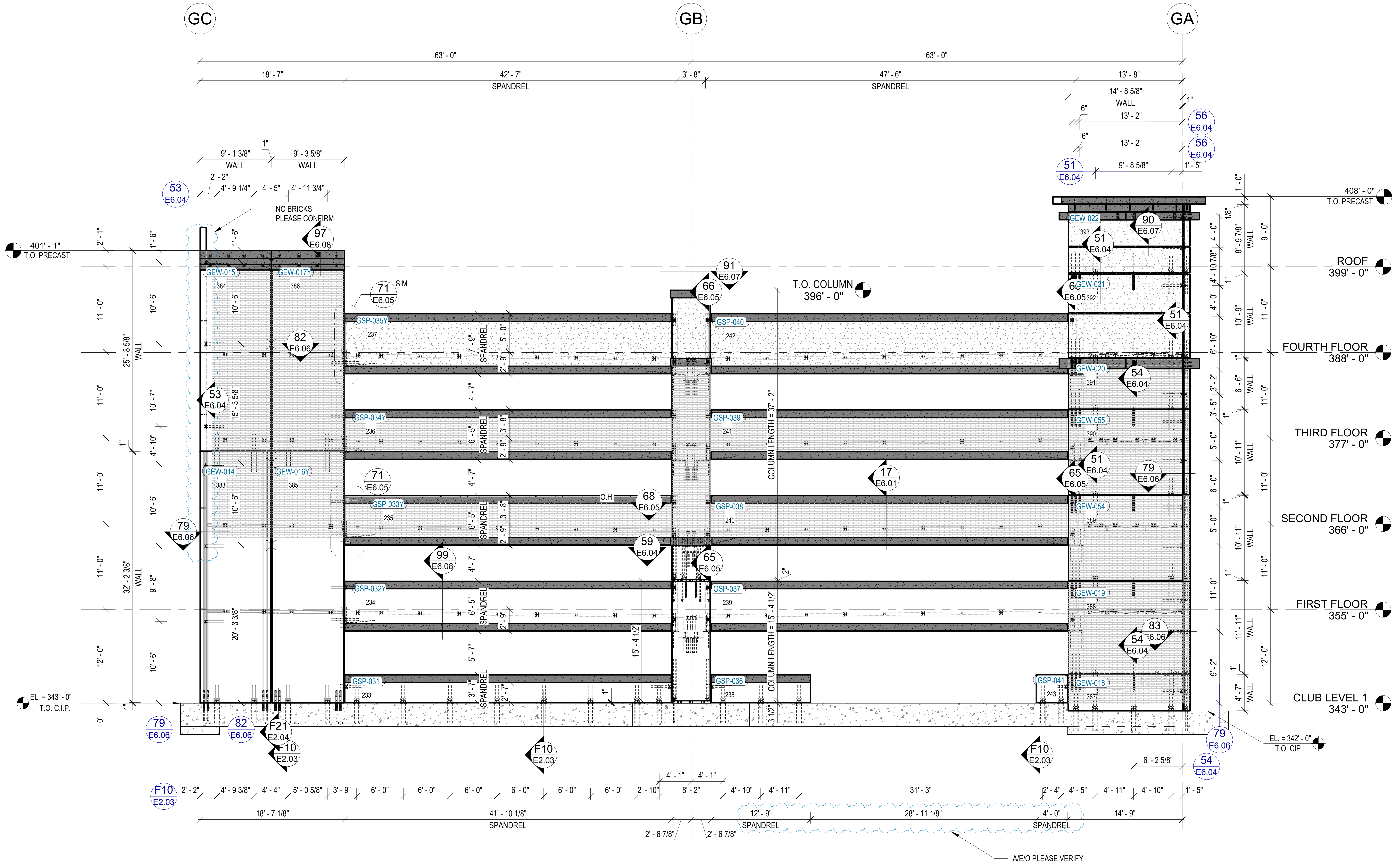
The CONSULTING ENGINEERS GROUP Inc.
16302 Pleasantville Road – SUITE 100 – SAN ANTONIO, TX 78233
210 637-0977 FAX 210 637-1172 E-MAIL engineers@cegtex.com

PROJECT:
GRANITE RUN PHASE II
MIDDLETOWN TOWNSHIP, PA
NORTH EXTERIOR ELEVATION-BRICK

JERSEY PRECAST
853 NOTTINGHAM WAY
HAMILTON TOWNSHIP, NJ 08638
PH: 609-689-3700 FAX: 609-689-3797

CEG JOB NO.
22551
JOB NO.
22040
SHEET NO.
E4.00B

SEE E4.01B FOR BRICK LAYOUT AND REVEAL



GC
GB
GA
63' - 0"
63' - 0"
18' - 7"
42' - 7"
SPANDREL
3' - 8"
47' - 6"
SPANDREL
13' - 8"
14' - 8 5/8"
WALL
13' - 2"
13' - 2"
9' - 8 5/8"
1' - 5"
9' - 1 3/8"
WALL
9' - 3 5/8"
WALL
2' - 2"
4' - 9 1/4"
4' - 5"
4' - 11 3/4"
NO BRICKS
PLEASE CONFIRM
401' - 1"
T.O. PRECAST
408' - 0"
T.O. PRECAST
ROOF
399' - 0"
T.O. COLUMN
396' - 0"
FOURTH FLOOR
388' - 0"
THIRD FLOOR
377' - 0"
SECOND FLOOR
366' - 0"
FIRST FLOOR
355' - 0"
CLUB LEVEL 1
343' - 0"
EL. = 343' - 0"
T.O. C.I.P.
EL. = 342' - 0"
T.O. CIP
GEW-015
GEW-017Y
GEW-014
GEW-016Y
GSP-035Y
GSP-034Y
GSP-033Y
GSP-032Y
GSP-031
GSP-040
GSP-039
GSP-038
GSP-037
GSP-036
GSP-041
GEW-022
GEW-021
GEW-020
GEW-055
GEW-054
GEW-019
GEW-018
COLUMN LENGTH = 37' - 2"
COLUMN LENGTH = 15' - 4 1/2"
O.H.
SIM.
25' - 8 5/8"
WALL
32' - 2 3/8"
WALL
18' - 7 1/8"
41' - 10 1/8"
SPANDREL
12' - 9"
SPANDREL
28' - 11 1/8"
4' - 0"
SPANDREL
14' - 9"
31' - 3"
2' - 6 7/8"
2' - 6 7/8"
6' - 2 5/8"
A/E/O PLEASE VERIFY
53 E6.04
97 E6.08
71 E6.05
82 E6.06
79 E6.06
99 E6.08
91 E6.07
66 E6.05
68 E6.05
59 E6.04
65 E6.05
17 E6.01
51 E6.04
56 E6.04
90 E6.07
54 E6.04
83 E6.06
F21 E2.04
10 E2.03
F10 E2.03

1 EAST ELEVATION
E4.01
SCALE: 1/8" = 1'-0"

NOTES:

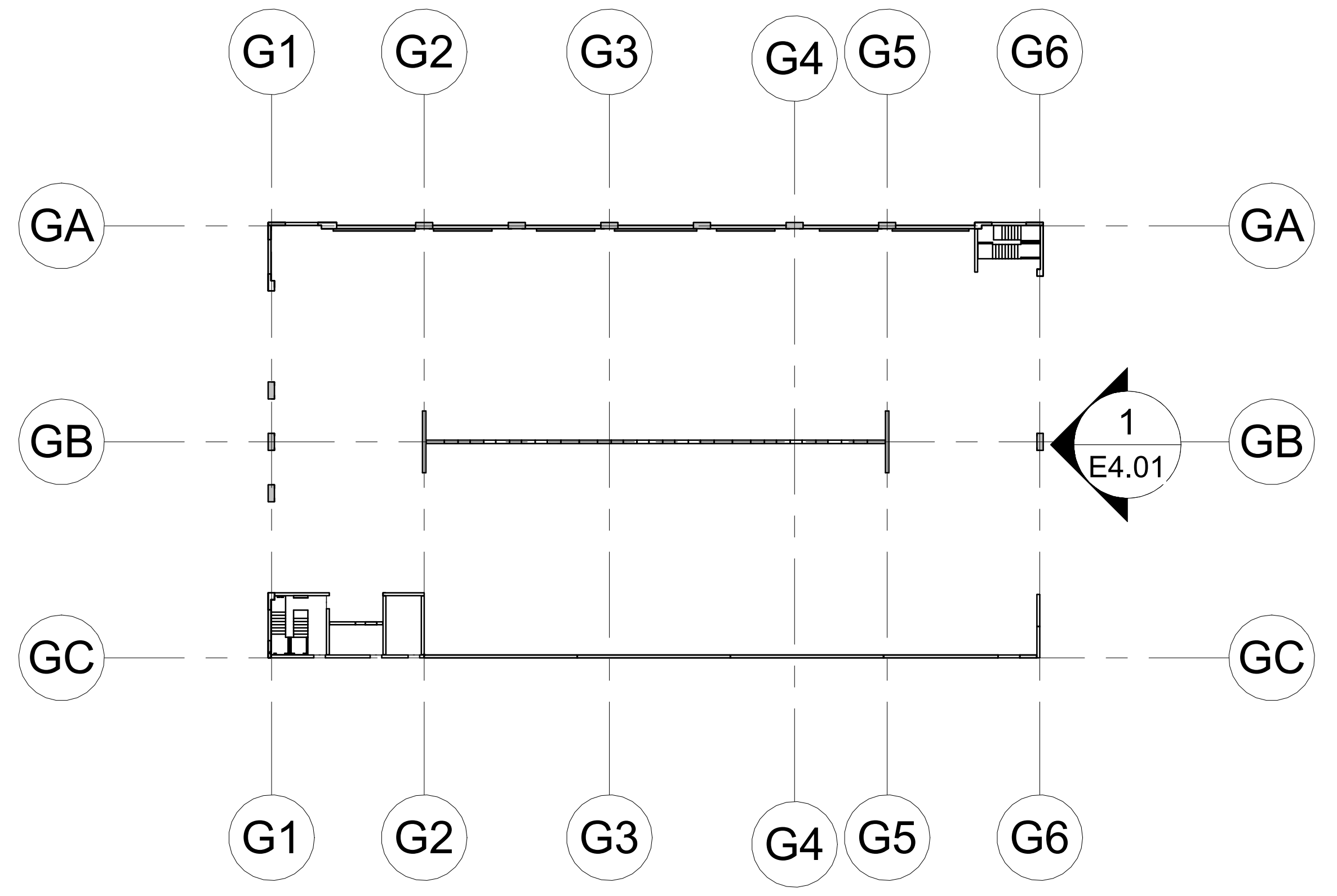
▨ = STERLING GREY, SANDBLAST FINISH

■ = STAINED DARK GREY, SANDBLAST FINISH

▨ = C.I.P. CONCRETE

▤ = PRECAST PANEL WITH THIN BRICK, GREY CONCRETE

☐ = GREY CONCRETE, FROM FINISH
(EXCEPT FOR COLUMN WHICH WILL BE STERLING GREY)



G1
G2
G3
G4
G5
G6
GA
GB
GC
1
E4.01

KEY PLAN

DRAWN BY:
OAS
CHECKED BY:
DATE:
10/26/22

SUBMITTALS/REVISIONS:

A	FOR APPROVAL	01/05/23

The CONSULTING ENGINEERS GROUP Inc.
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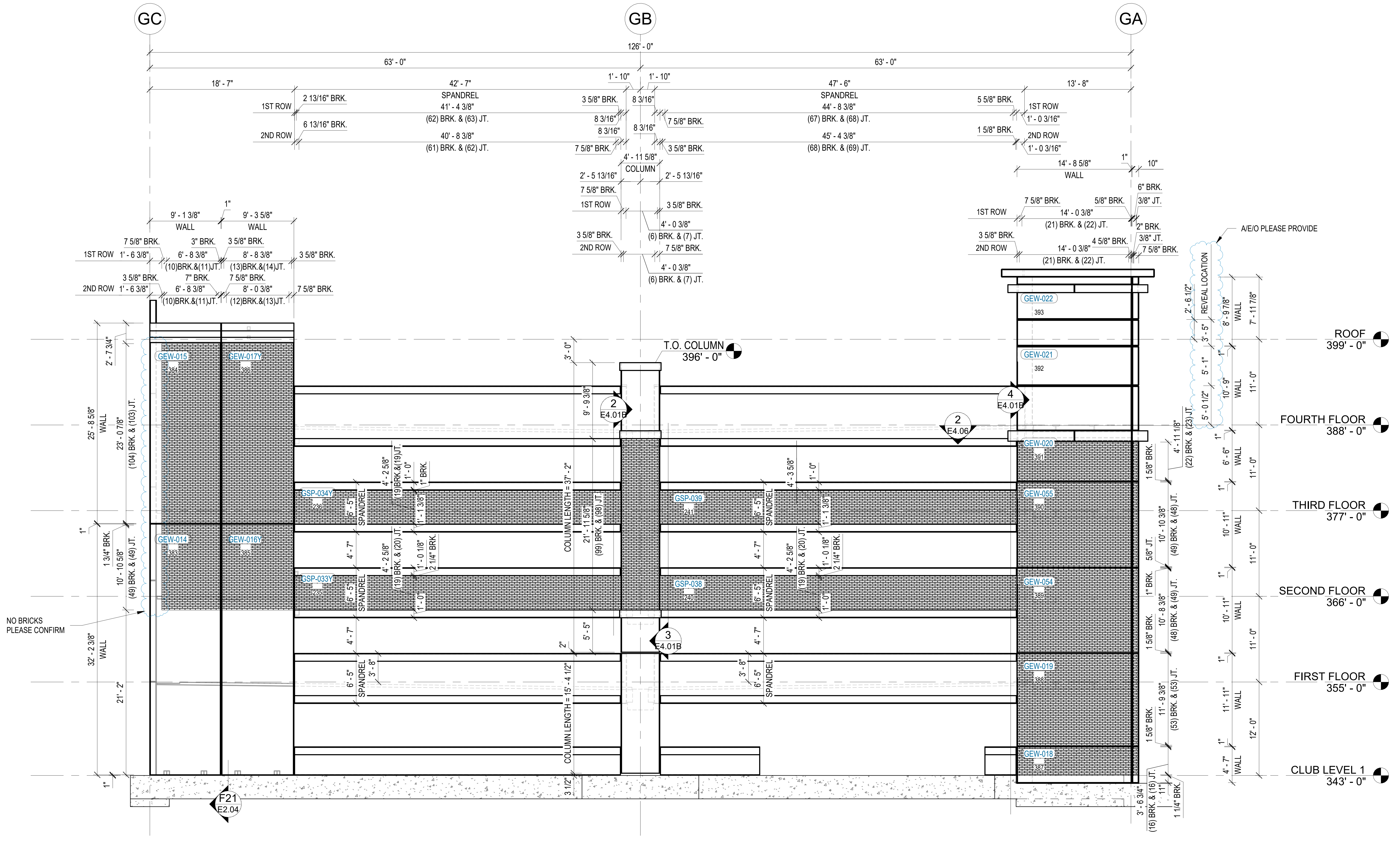
CHRIS C. KERCSMAR
PE062269
2/22/2

PROJECT:
GRANITE RUN PHASE II
MIDDLETOWN TOWNSHIP, PA
EAST EXTERIOR ELEVATION

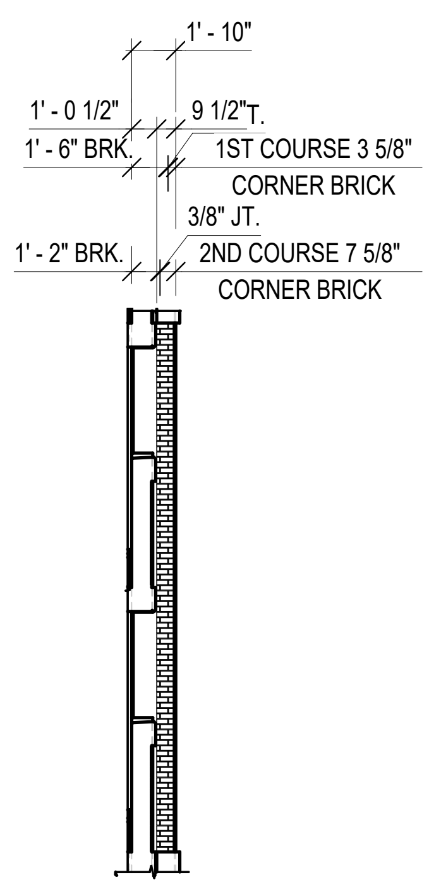
JERSEY PRECAST
853 NOTTINGHAM WAY
HAMILTON TOWNSHIP, NJ 08638
PH: 609-689-3700 FAX: 609-689-3797

CEG JOB NO.
22551
JOB NO.
22040
SHEET NO.
E4.01


GC
GB
GA
126' - 0"
63' - 0"
63' - 0"
18' - 7"
42' - 7"
SPANDREL
41' - 4 3/8"
(62) BRK. & (63) JT.
40' - 8 3/8"
(61) BRK. & (62) JT.
1ST ROW
2ND ROW
47' - 6"
SPANDREL
44' - 8 3/8"
(67) BRK. & (68) JT.
45' - 4 3/8"
(68) BRK. & (69) JT.
13' - 8"
4' - 11 5/8"
COLUMN
14' - 8 5/8"
WALL
9' - 1 3/8"
WALL
9' - 3 5/8"
WALL
A/E/O PLEASE PROVIDE
REVEAL LOCATION
T.O. COLUMN
396' - 0"
ROOF
399' - 0"
FOURTH FLOOR
388' - 0"
THIRD FLOOR
377' - 0"
SECOND FLOOR
366' - 0"
FIRST FLOOR
355' - 0"
CLUB LEVEL 1
343' - 0"
NO BRICKS
PLEASE CONFIRM
COLUMN LENGTH = 37' - 2"
COLUMN LENGTH = 15' - 4 1/2"
GEW-015
GEW-017Y
GEW-014
GEW-016Y
GSP-034Y
GSP-033Y
GSP-039
GSP-038
GEW-022
GEW-021
GEW-020
GEW-055
GEW-054
GEW-019
GEW-018
2
E4.01B
3
E4.01B
4
E4.01B
2
E4.06
F21
E2.04

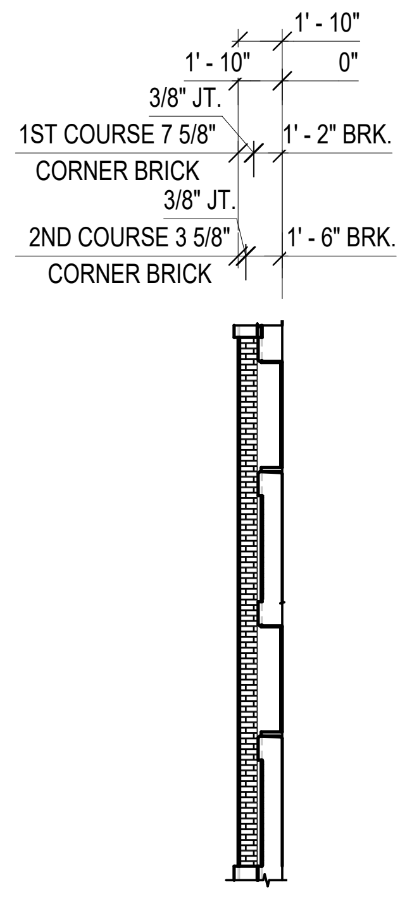
1 EAST ELEVATION BRICK

E4.01B SCALE: 1/8" = 1'-0"


1' - 10"
1' - 0 1/2"
9 1/2" T.
1' - 6" BRK.
1ST COURSE 3 5/8"
CORNER BRICK
3/8" JT.
1' - 2" BRK.
2ND COURSE 7 5/8"
CORNER BRICK

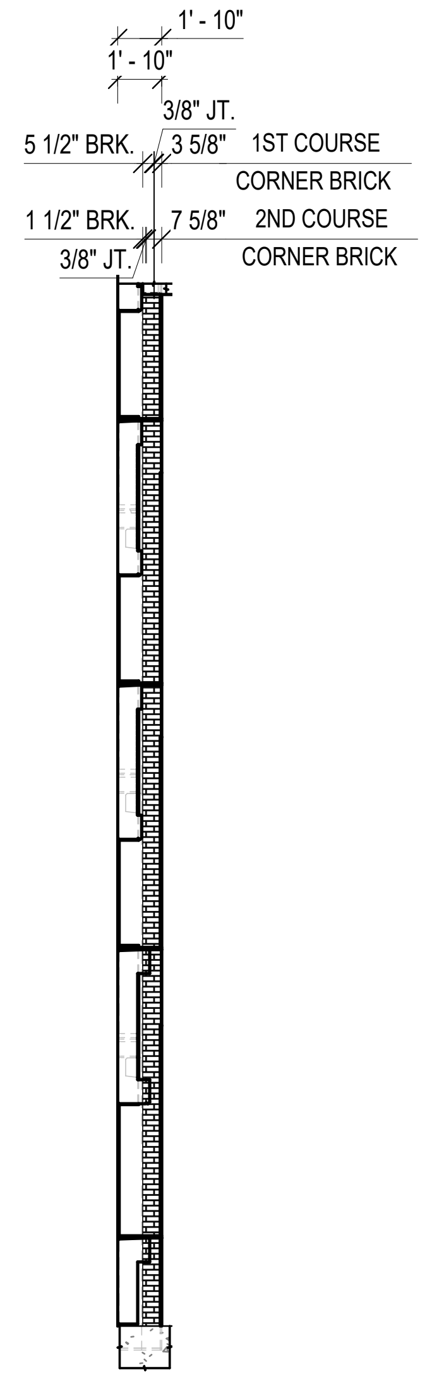
2 BRICK COLUMN SIDE VIEW-A

E4.01B SCALE: 1/8" = 1'-0"


1' - 10"
1' - 10"
0"
3/8" JT.
1ST COURSE 7 5/8"
CORNER BRICK
1' - 2" BRK.
3/8" JT.
2ND COURSE 3 5/8"
CORNER BRICK
1' - 6" BRK.

3 BRICK COLUMN SIDE VIEW-B

E4.01B SCALE: 1/8" = 1'-0"

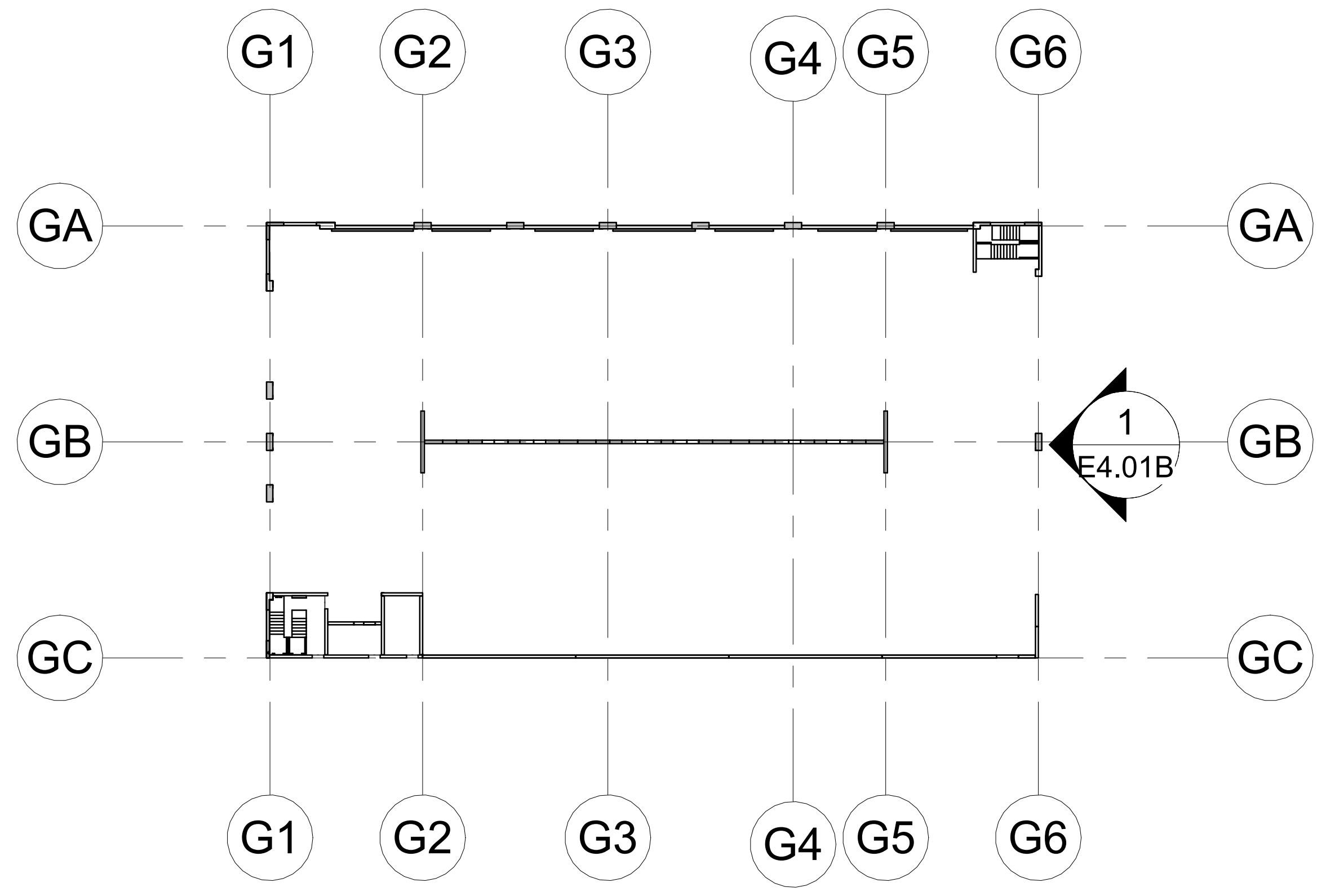

1' - 10"
1' - 10"
3/8" JT.
5 1/2" BRK.
3 5/8"
1ST COURSE
CORNER BRICK
1 1/2" BRK.
7 5/8"
2ND COURSE
CORNER BRICK
3/8" JT.

4 BRICK WALL SIDE VIEW

E4.01B SCALE: 1/8" = 1'-0"

NOTE:

SEE CONNECTION FOR BRICK PANEL
ON SHEET E4.01


G1
G2
G3
G4
G5
G6
GA
GB
GC
1
E4.01B

CHRIS C. KERCSMAR
PE062289

DRAWN BY:
OAS
CHECKED BY:
DATE:
12/02/22

SUBMITTALS/REVISIONS:

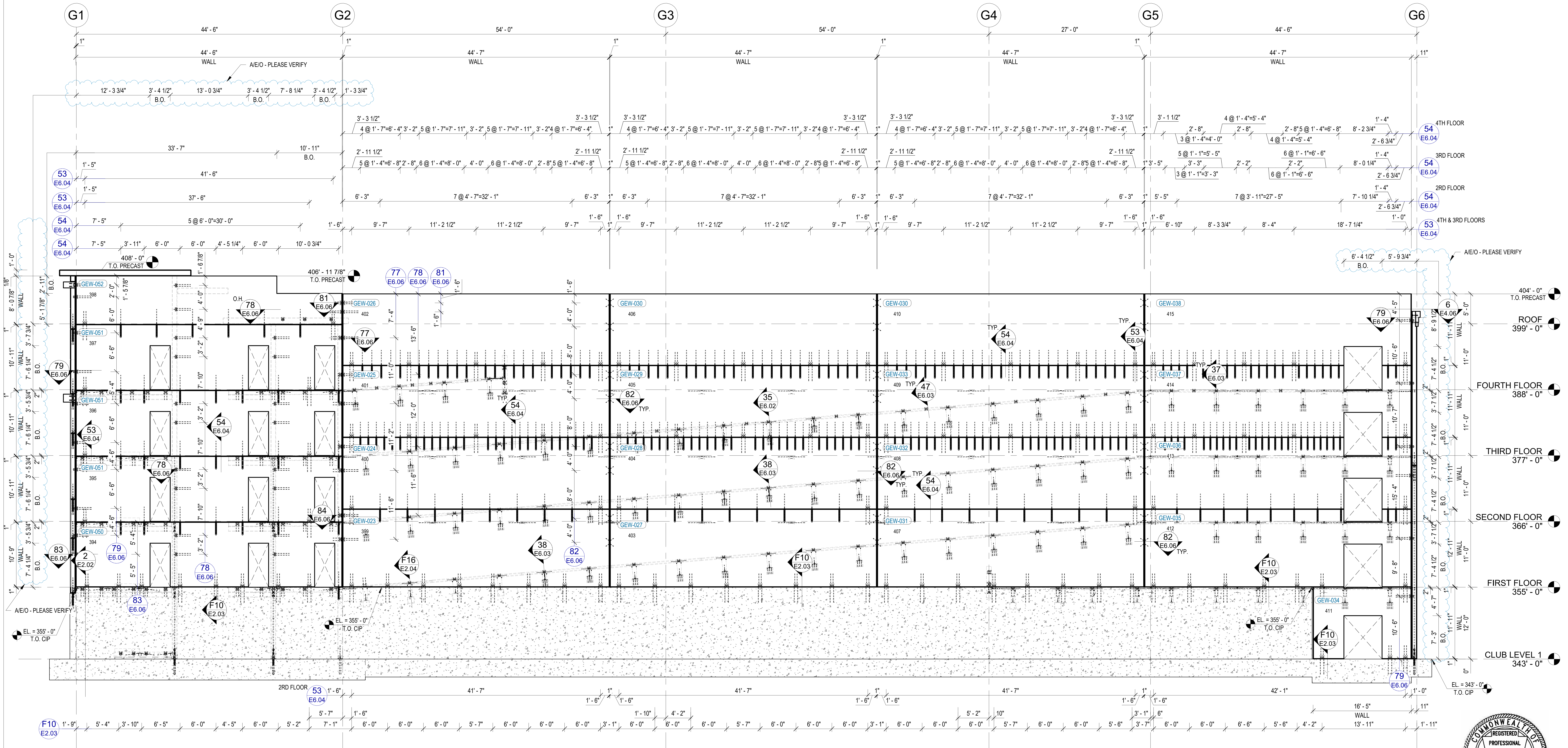
A	FOR APPROVAL	01/05/23

The CONSULTING ENGINEERS GROUP Inc.
16302 Pleasantville Road – SUITE 100 – SAN ANTONIO, TX 78233
210 637–0977 FAX 210 637–1172 E–MAIL engineers@cegtex.com

PROJECT:
GRANITE RUN PHASE II
MIDDLETOWN TOWNSHIP, PA
EAST EXTERIOR ELEVATION-BRICK

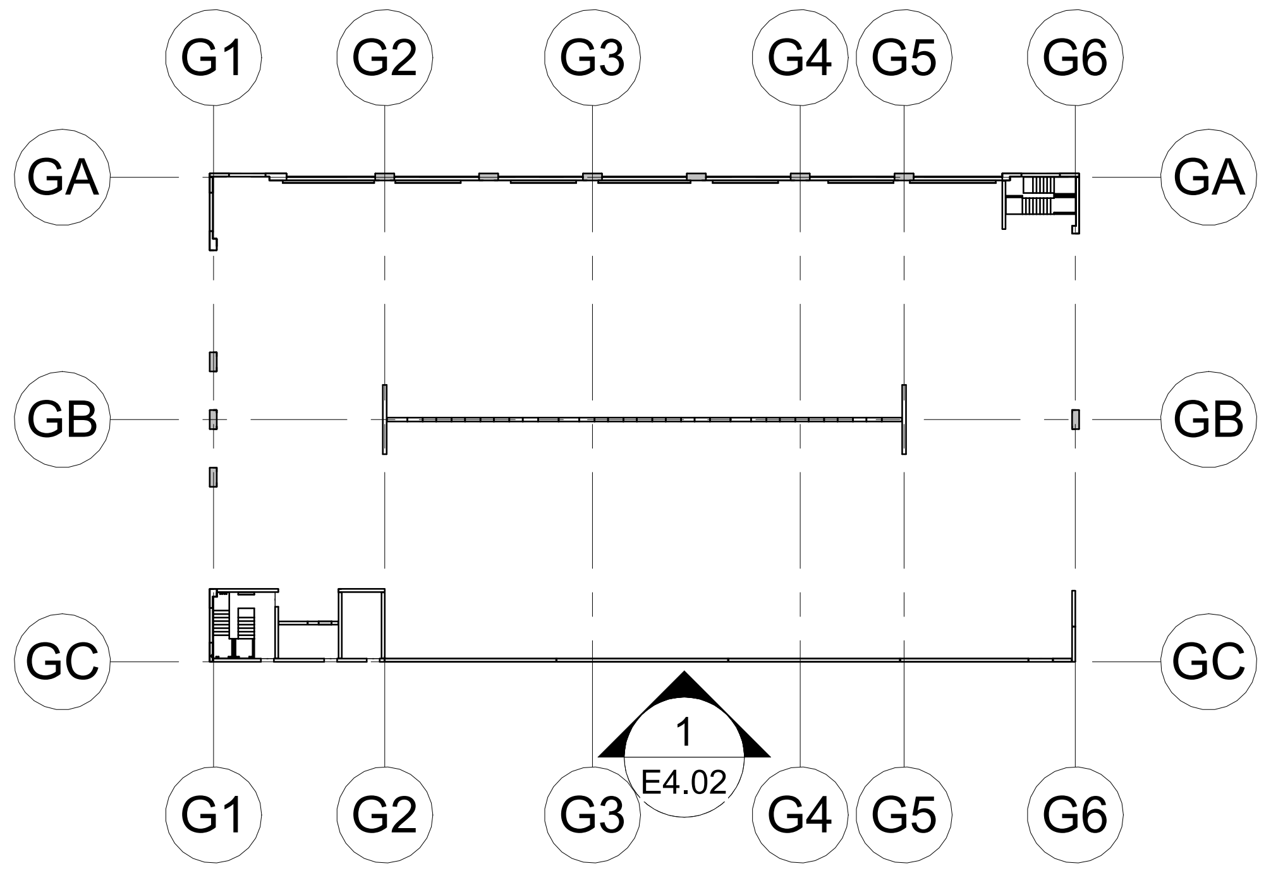
JERSEY PRECAST
853 NOTTINGHAM WAY
HAMILTON TOWNSHIP, NJ 08638
PH: 609-689-3700 FAX: 609-689-3797

CEG JOB NO.
22551
JOB NO.
22040
SHEET NO.
E4.01B


G1
G2
G3
G4
G5
G6
44' - 6"
54' - 0"
54' - 0"
27' - 0"
44' - 6"
A/E/O - PLEASE VERIFY
4TH FLOOR
3RD FLOOR
2RD FLOOR
4TH & 3RD FLOORS
408' - 0" T.O. PRECAST
406' - 11 7/8" T.O. PRECAST
404' - 0" T.O. PRECAST
ROOF 399' - 0"
FOURTH FLOOR 388' - 0"
THIRD FLOOR 377' - 0"
SECOND FLOOR 366' - 0"
FIRST FLOOR 355' - 0"
CLUB LEVEL 1 343' - 0"
EL. = 355' - 0" T.O. CIP
EL. = 343' - 0" T.O. CIP
GEW-050
GEW-051
GEW-052
GEW-023
GEW-024
GEW-025
GEW-026
GEW-027
GEW-028
GEW-029
GEW-030
GEW-031
GEW-032
GEW-033
GEW-034
GEW-035
GEW-036
GEW-037
GEW-038
TYP.

1 **SOUTH ELEVATION**
E4.02
SCALE: 1/8" = 1'-0"

NOTES:
▨ = C.I.P. CONCRETE


G1
G2
G3
G4
G5
G6
GA
GB
GC
1
E4.02

KEY PLAN

DRAWN BY:
OAS
CHECKED BY:
OVV/
DATE:
10/26/22

SUBMITTALS/REVISIONS:

A	FOR APPROVAL	01/05/23

The CONSULTING ENGINEERS GROUP Inc.
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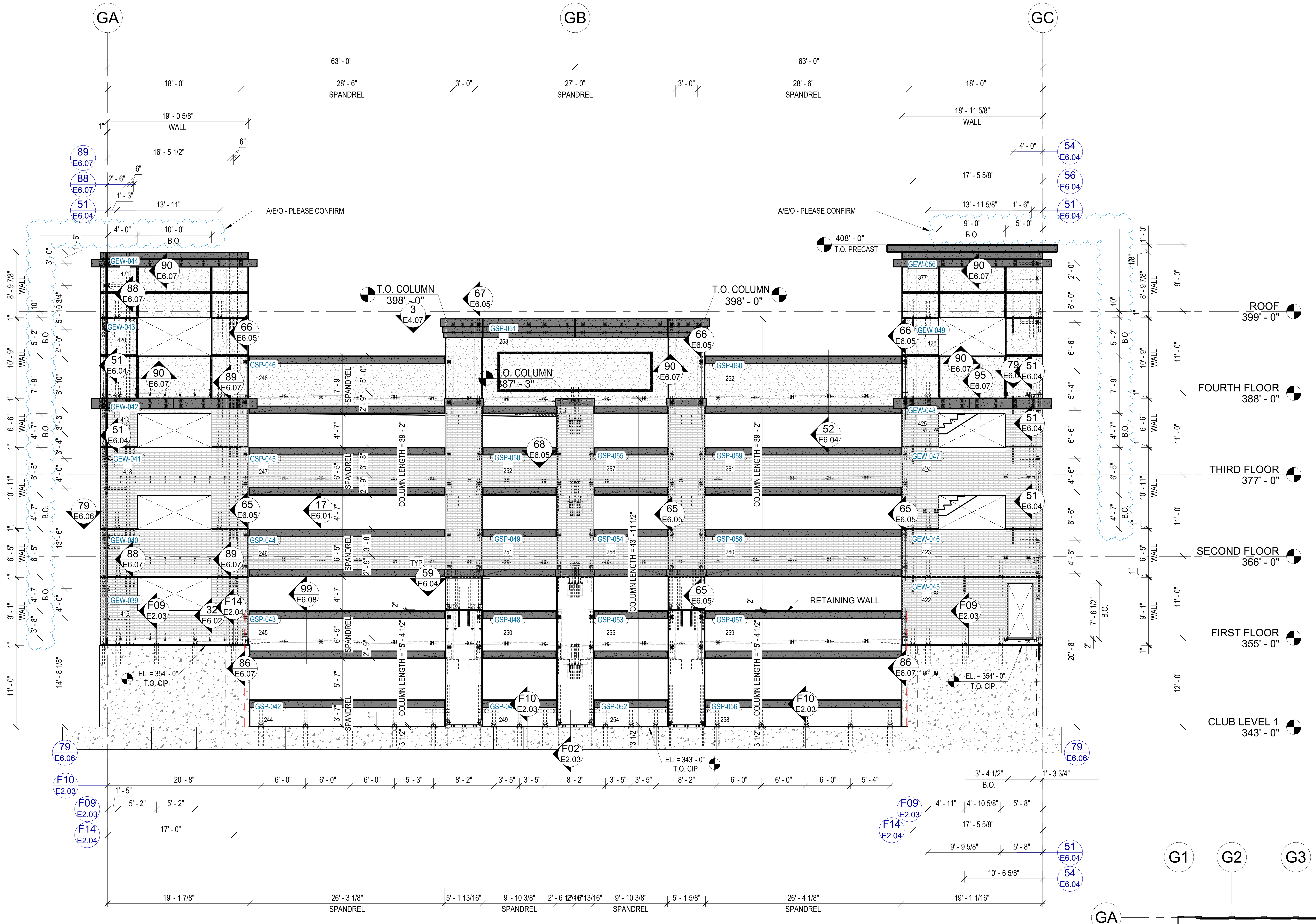
PROJECT:
GRANITE RUN PHASE II
MIDDLETOWN TOWNSHIP, PA
SOUTH EXTERIOR ELEVATION

CHRIS C. KERCSMAR
PE062269

JERSEY PRECAST
853 NOTTINGHAM WAY
HAMILTON TOWNSHIP, NJ 08638
PH: 609-689-3700 FAX: 609-689-3797

CEG JOB NO.
22551
JOB NO.
22040
SHEET NO.
E4.02

SEE E4.03B FOR BRICK LAYOUT AND REVEAL

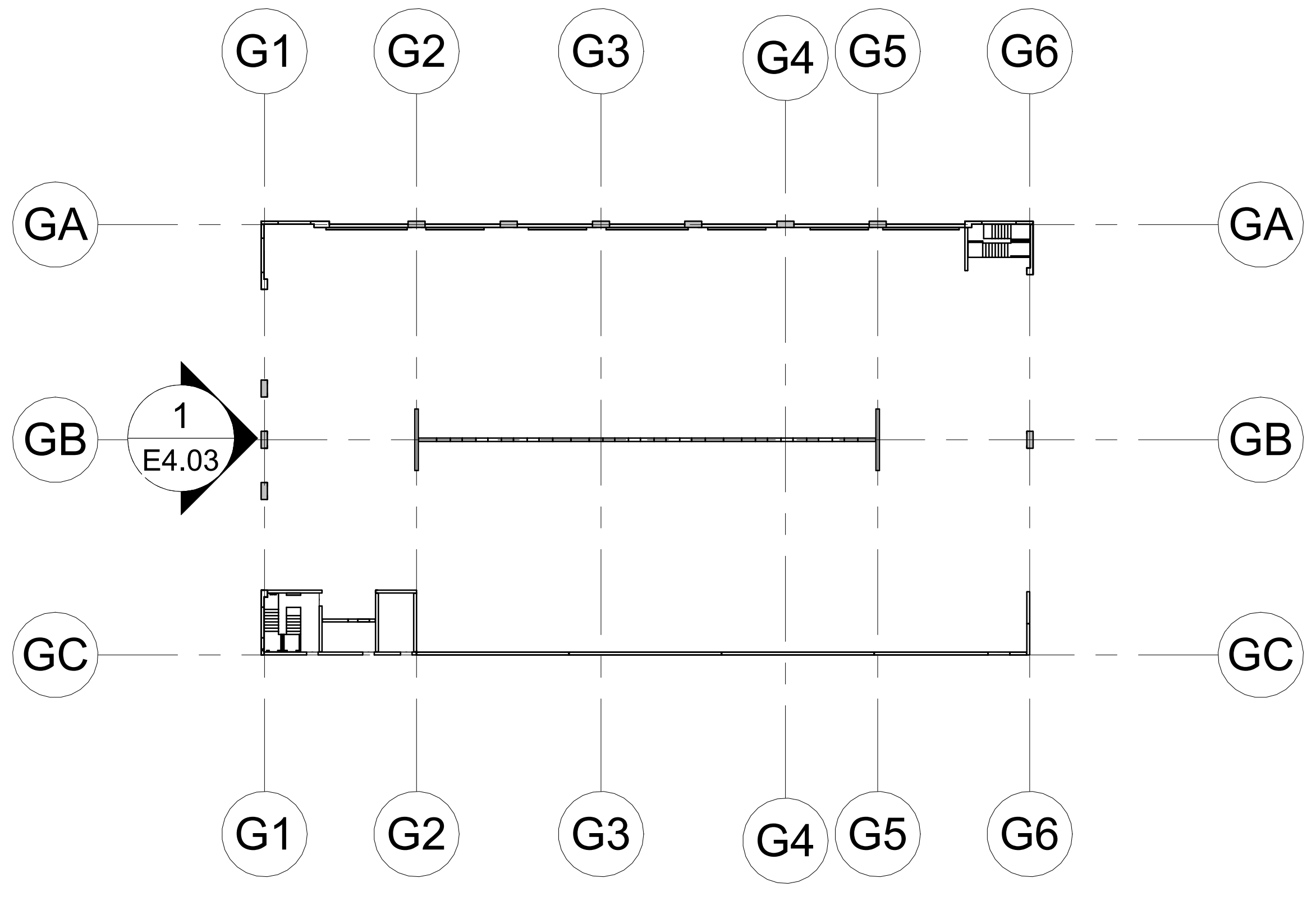

GA
GB
GC
63' - 0"
63' - 0"
18' - 0"
28' - 6"
SPANDREL
3' - 0"
27' - 0"
SPANDREL
3' - 0"
28' - 6"
SPANDREL
18' - 0"
19' - 0 5/8"
WALL
18' - 11 5/8"
WALL
A/E/O - PLEASE CONFIRM
A/E/O - PLEASE CONFIRM
408' - 0"
T.O. PRECAST
T.O. COLUMN
398' - 0"
T.O. COLUMN
398' - 0"
T.O. COLUMN
387' - 3"
ROOF
399' - 0"
FOURTH FLOOR
388' - 0"
THIRD FLOOR
377' - 0"
SECOND FLOOR
366' - 0"
FIRST FLOOR
355' - 0"
CLUB LEVEL 1
343' - 0"
RETAINING WALL
EL. = 354' - 0"
T.O. CIP
EL. = 354' - 0"
T.O. CIP
EL. = 343' - 0"
T.O. CIP
COLUMN LENGTH = 39' - 2"
COLUMN LENGTH = 39' - 2"
COLUMN LENGTH = 43' - 11 1/2"
COLUMN LENGTH = 15' - 4 1/2"
COLUMN LENGTH = 15' - 4 1/2"
19' - 1 7/8"
26' - 3 1/8"
SPANDREL
9' - 10 3/8"
SPANDREL
9' - 10 3/8"
SPANDREL
26' - 4 1/8"
SPANDREL
19' - 1 1/16"

1 E4.03 ***WEST ELEVATION***

SCALE: 1/8" = 1'-0"

NOTES:

- ░ = STERLING GREY, SANDBLAST FINISH
- ▓ = STAINED DARK GREY, SANDBLAST FINISH
- ▒ = C.I.P. CONCRETE
- ▦ = PRECAST PANEL WITH THIN BRICK, GREY CONCRETE
- ☐ = GREY CONCRETE, FROM FINISH (EXCEPT FOR COLUMN WHICH WILL BE STERLING GREY)


G1
G2
G3
G4
G5
G6
GA
GB
GC
1
E4.03

KEY PLAN

CHRIS C. KERCSMAR
PE062269

DRAWN BY: OAS
CHECKED BY:
DATE: 10/26/22

SUBMITTALS/REVISIONS:

A	FOR APPROVAL	01/05/23

The CONSULTING ENGINEERS GROUP Inc.
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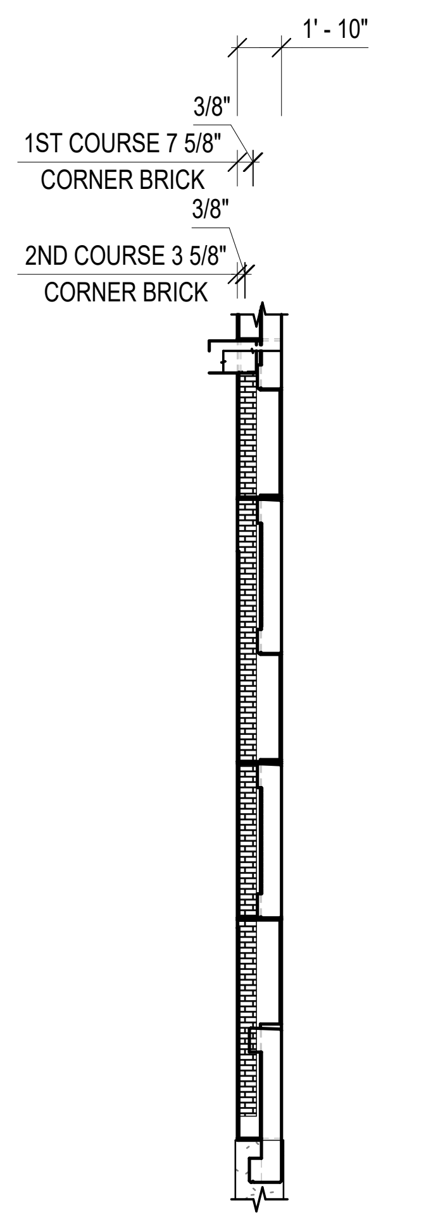
PROJECT:
GRANITE RUN PHASE II
MIDDLETOWN TOWNSHIP, PA
WEST EXTERIOR ELEVATION

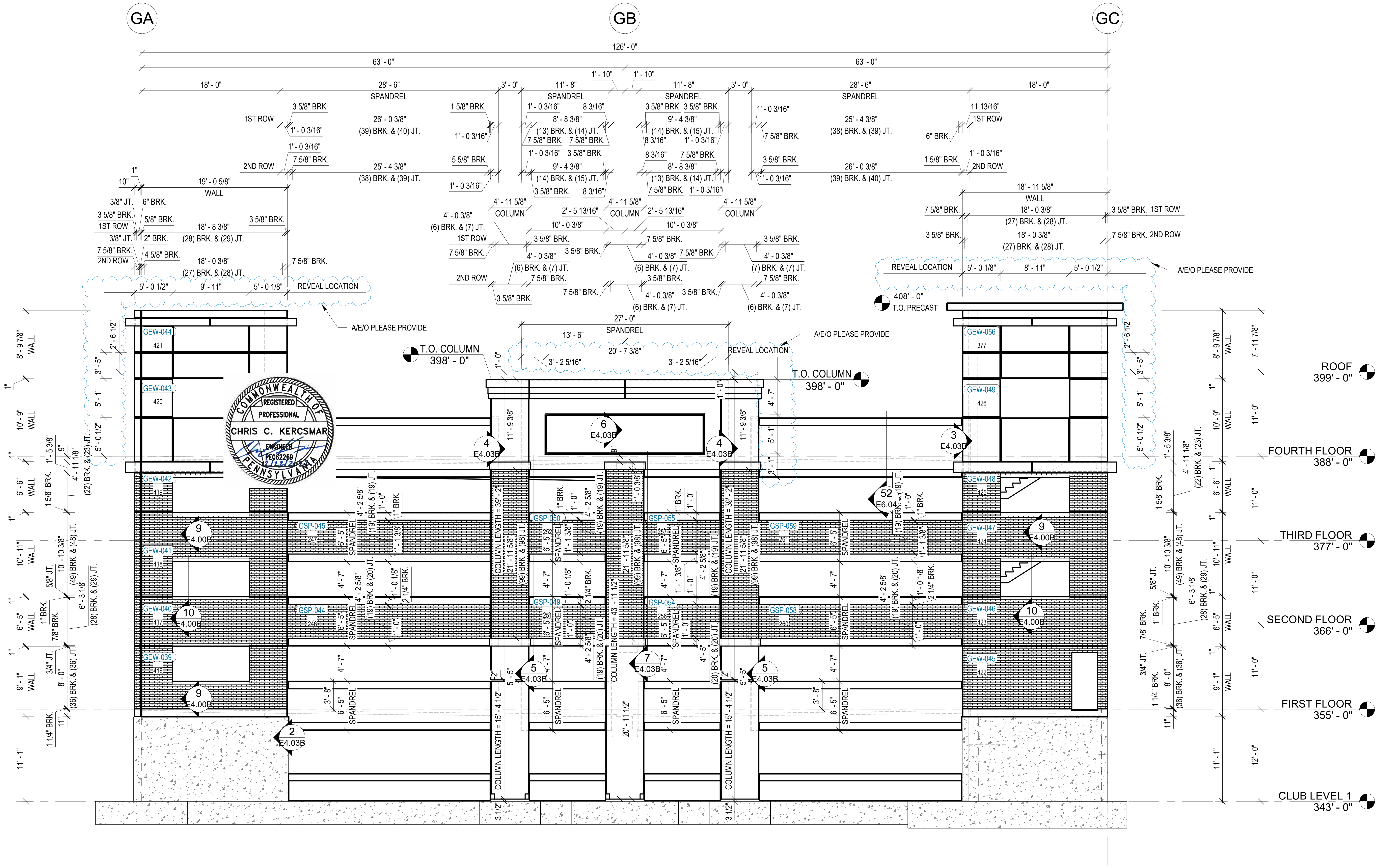
JERSEY PRECAST
853 NOTTINGHAM WAY
HAMILTON TOWNSHIP, NJ 08638
PH: 609-689-3700 FAX: 609-689-3797

CEG JOB NO. 22551
JOB NO. 22040
SHEET NO. E4.03



1'-10"
3/8"
1ST COURSE 7 5/8"
CORNER BRICK
3/8"
2ND COURSE 3 5/8"
CORNER BRICK

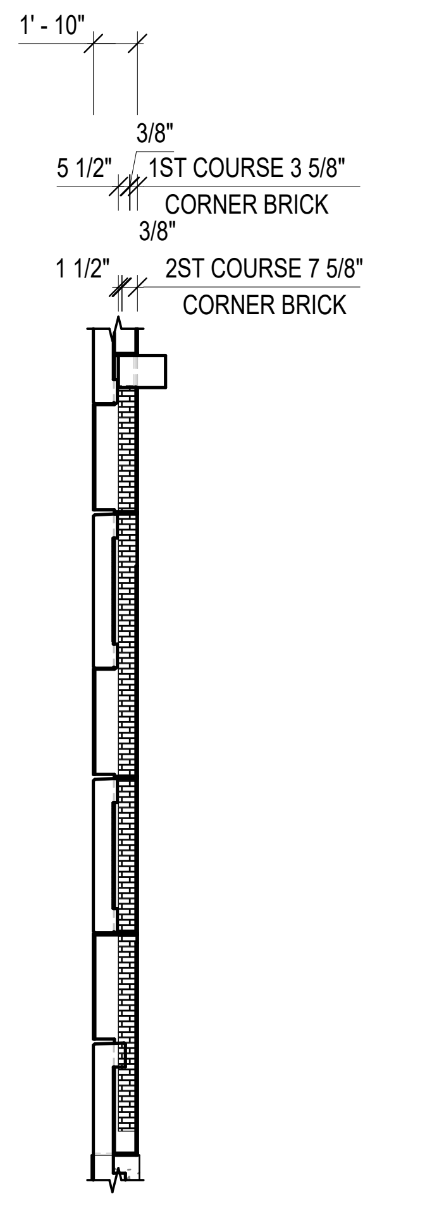
2 BRICK WALL SIDE VIEW
E4.03B SCALE: 1/8" = 1'-0"



GA
GB
GC
126' - 0"
63' - 0"
63' - 0"
18' - 0"
28' - 6"
SPANDREL
3' - 0"
11' - 8"
SPANDREL
1' - 10"
1' - 10"
11' - 8"
SPANDREL
3' - 0"
28' - 6"
SPANDREL
18' - 0"
1ST ROW
2ND ROW
19' - 0 5/8"
WALL
26' - 0 3/8"
(39) BRK. & (40) JT.
25' - 4 3/8"
(38) BRK. & (39) JT.
18' - 8 3/8"
(28) BRK. & (29) JT.
18' - 0 3/8"
(27) BRK. & (28) JT.
18' - 11 5/8"
WALL
4' - 11 5/8"
COLUMN
2' - 5 13/16"
10' - 0 3/8"
4' - 0 3/8"
(6) BRK. & (7) JT.
REVEAL LOCATION
A/E/O PLEASE PROVIDE
5' - 0 1/2"
9' - 11"
5' - 0 1/8"
8' - 11"
5' - 0 1/2"
408' - 0"
T.O. PRECAST
27' - 0"
SPANDREL
13' - 6"
20' - 7 3/8"
3' - 2 5/16"
T.O. COLUMN
398' - 0"
ROOF
399' - 0"
FOURTH FLOOR
388' - 0"
THIRD FLOOR
377' - 0"
SECOND FLOOR
366' - 0"
FIRST FLOOR
355' - 0"
CLUB LEVEL 1
343' - 0"
GEW-044
GEW-043
GEW-042
GEW-041
GEW-040
GEW-039
GEW-056
GEW-049
GEW-048
GEW-047
GEW-046
GEW-045
GSP-045
GSP-044
GSP-050
GSP-049
GSP-055
GSP-054
GSP-059
GSP-058
COLUMN LENGTH = 39' - 2"
COLUMN LENGTH = 43' - 11 1/2"
COLUMN LENGTH = 15' - 4 1/2"
SPANDREL
WALL
2 E4.03B
3 E4.03B
4 E4.03B
5 E4.03B
6 E4.03B
7 E4.03B
9 E4.00B
10 E4.00B
52 E6.04
11' - 0"
12' - 0"

CHRIS C. KERCSMAR
PE062269

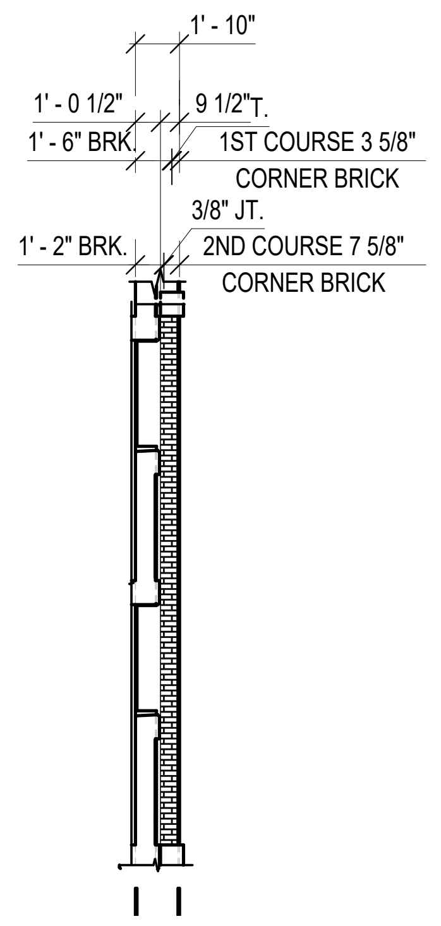
1 WEST ELEVATION BRICK
E4.03B SCALE: 1/8" = 1'-0"



1'-10"
3/8"
5 1/2"
1ST COURSE 3 5/8"
CORNER BRICK
3/8"
1 1/2"
2ST COURSE 7 5/8"
CORNER BRICK

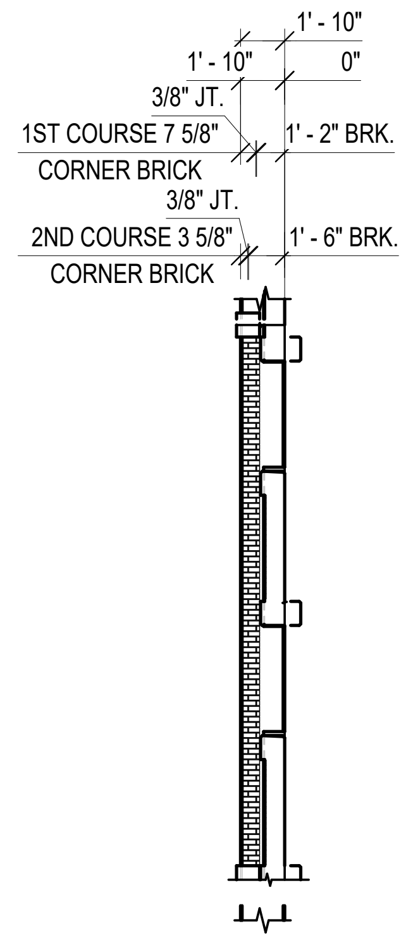
3 BRICK WALL SIDE VIEW
E4.03B SCALE: 1/8" = 1'-0"

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL ENGINEER
CHRIS C. KERCSMAR
PE062269



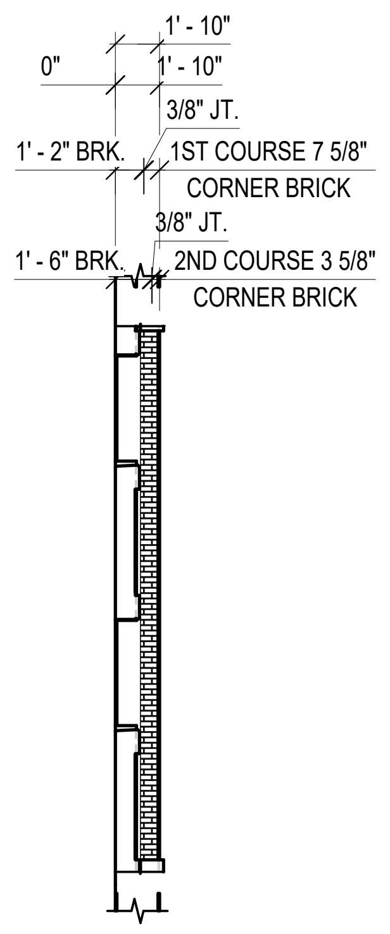
1'-10"
1'-0 1/2"
9 1/2"
1'-6" BRK.
1ST COURSE 3 5/8"
CORNER BRICK
3/8" JT.
1'-2" BRK.
2ND COURSE 7 5/8"
CORNER BRICK

4 BRICK COLUMN SIDE VIEW-A
E4.03B SCALE: 1/8" = 1'-0"



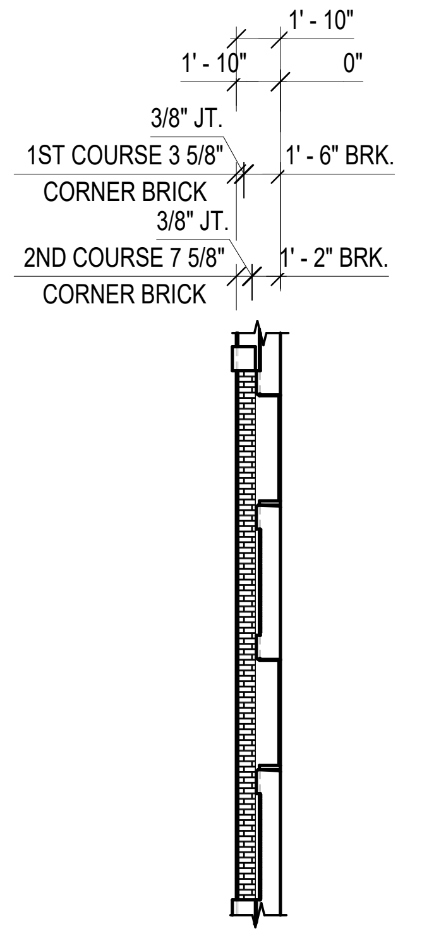
1'-10"
1'-10"
0"
3/8" JT.
1ST COURSE 7 5/8"
CORNER BRICK
1'-2" BRK.
3/8" JT.
2ND COURSE 3 5/8"
CORNER BRICK
1'-6" BRK.

5 BRICK COLUMN SIDE VIEW-B
E4.03B SCALE: 1/8" = 1'-0"



1'-10"
0"
1'-10"
3/8" JT.
1'-2" BRK.
1ST COURSE 7 5/8"
CORNER BRICK
3/8" JT.
1'-6" BRK.
2ND COURSE 3 5/8"
CORNER BRICK

6 BRICK COLUMN SIDE VIEW-C
E4.03B SCALE: 1/8" = 1'-0"

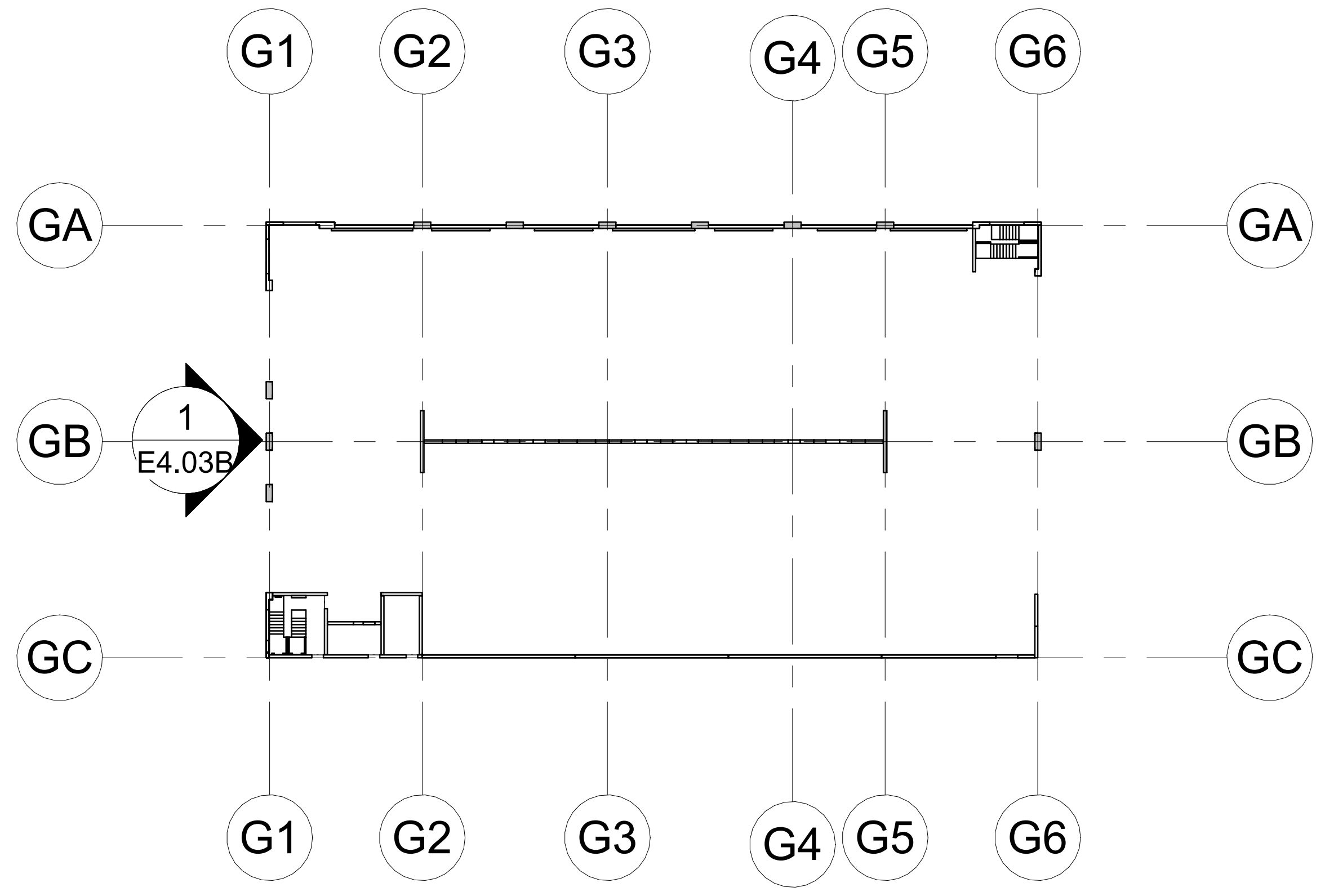


1'-10"
1'-10"
0"
3/8" JT.
1ST COURSE 3 5/8"
CORNER BRICK
1'-6" BRK.
3/8" JT.
2ND COURSE 7 5/8"
CORNER BRICK
1'-2" BRK.

7 BRICK COLUMN SIDE VIEW-D
E4.03B SCALE: 1/8" = 1'-0"

NOTE:

SEE CONNECTION FOR BRICK PANEL
ON SHEET E4.03



G1
G2
G3
G4
G5
G6
GA
GB
GC
1
E4.03B

DRAWN BY:
OAS
CHECKED BY:
DATE:
12/02/22

SUBMITTALS/REVISIONS:

A	FOR APPROVAL	01/05/23

The CONSULTING ENGINEERS GROUP Inc.
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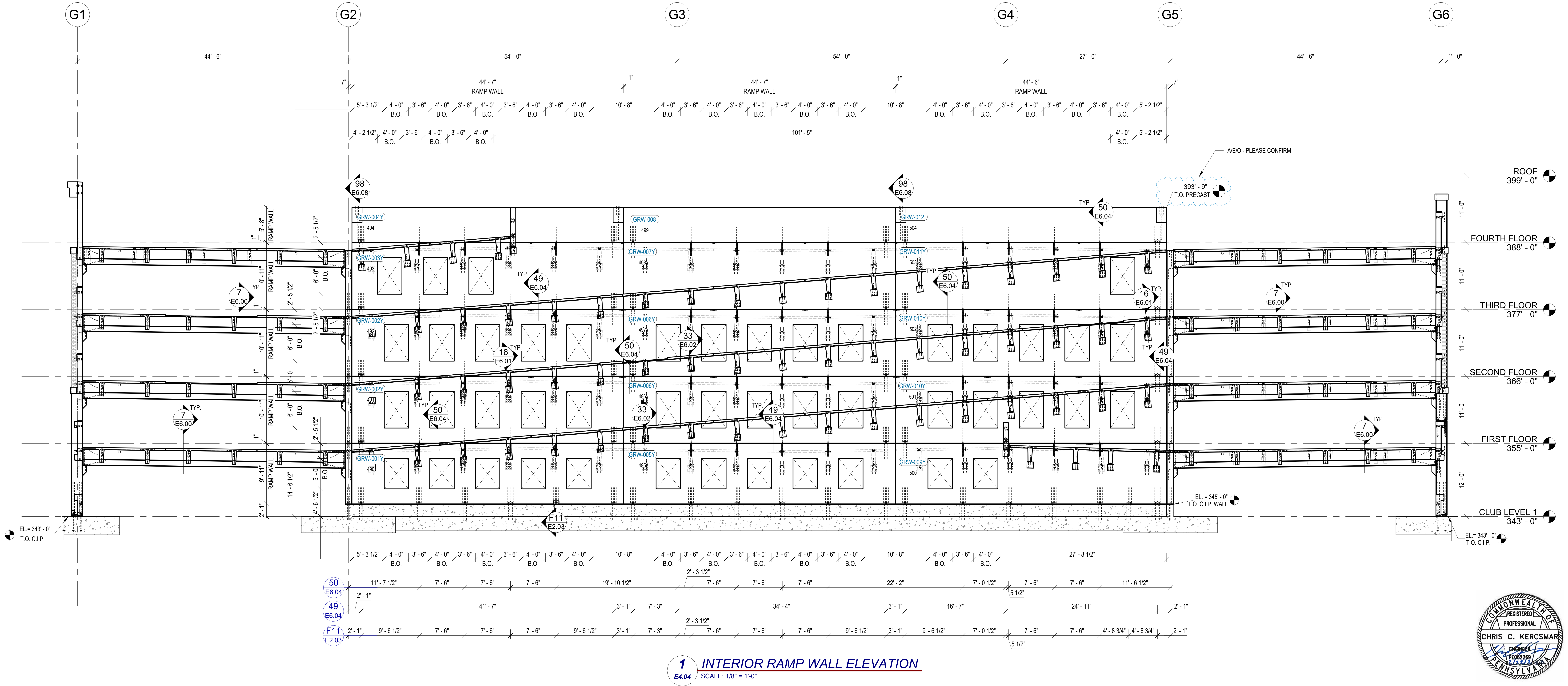
PROJECT:
GRANITE RUN PHASE II
MIDDLETOWN TOWNSHIP, PA
WEST EXTERIOR ELEVATION-BRICK

JERSEY PRECAST
853 NOTTINGHAM WAY
HAMILTON TOWNSHIP, NJ 08638
PH: 609-689-3700 FAX: 609-689-3797

CEG JOB NO.
22551
JOB NO.
22040
SHEET NO.
E4.03B

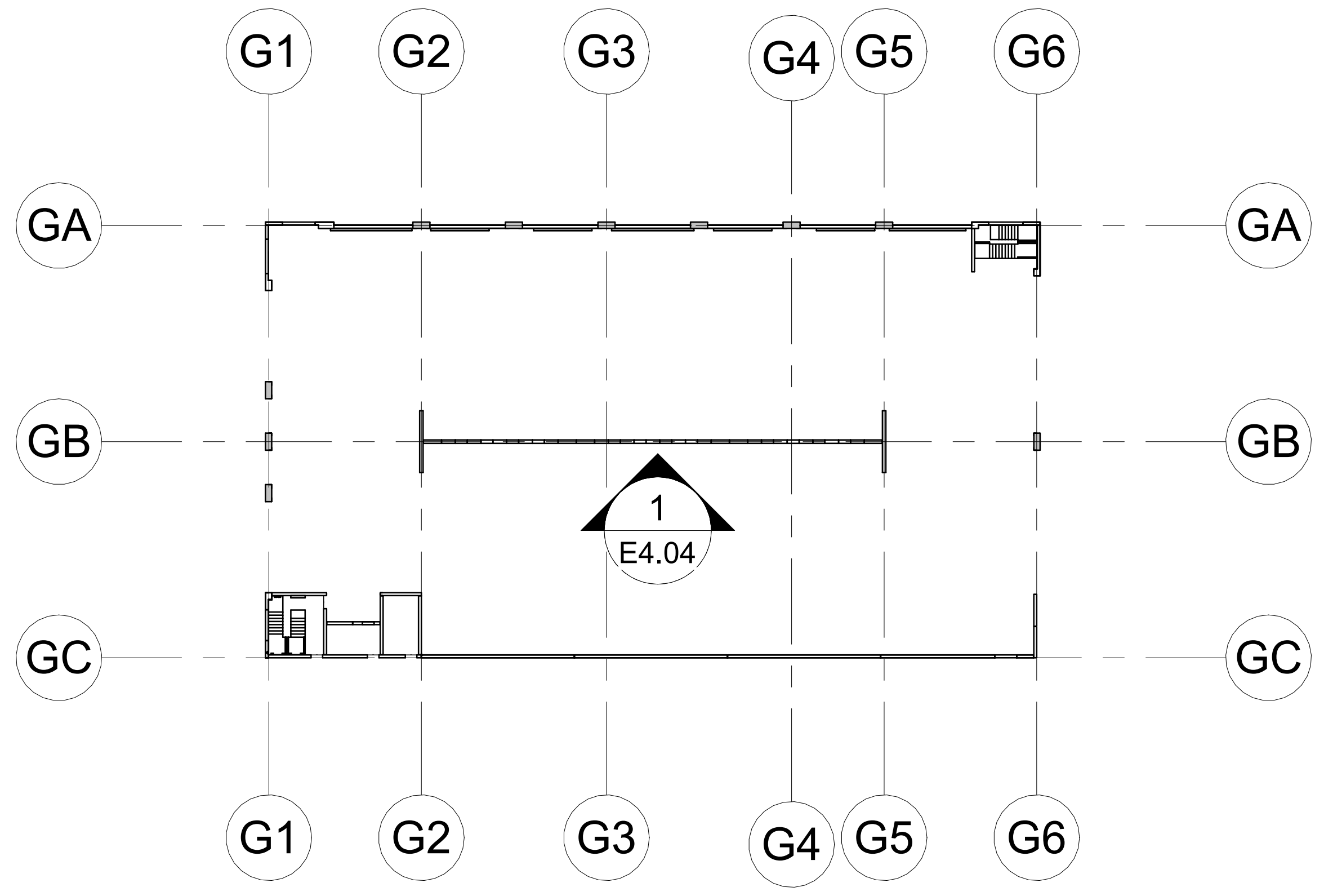

G1
G2
G3
G4
G5
G6
44' - 6"
54' - 0"
54' - 0"
27' - 0"
44' - 6"
1' - 0"
44' - 7" RAMP WALL
44' - 7" RAMP WALL
44' - 6" RAMP WALL
101' - 5"
A/E/O - PLEASE CONFIRM
393' - 9" T.O. PRECAST
ROOF 399' - 0"
FOURTH FLOOR 388' - 0"
THIRD FLOOR 377' - 0"
SECOND FLOOR 366' - 0"
FIRST FLOOR 355' - 0"
CLUB LEVEL 1 343' - 0"
EL.= 345' - 0" T.O. C.I.P. WALL
EL.= 343' - 0" T.O. C.I.P.
RAMP WALL
B.O.
TYP.
GRW-001Y
GRW-002Y
GRW-003Y
GRW-004Y
GRW-005Y
GRW-006Y
GRW-007Y
GRW-008
GRW-009Y
GRW-010Y
GRW-011Y
GRW-012
98 E6.08
50 E6.04
49 E6.04
33 E6.02
16 E6.01
7 E6.00
F11 E2.03

1 INTERIOR RAMP WALL ELEVATION

E4.04 SCALE: 1/8" = 1'-0"

NOTES:

▨ = C.I.P. CONCRETE


G1
G2
G3
G4
G5
G6
GA
GB
GC
1
E4.04

KEY PLAN

CHRIS C. KERCSMAR
PE062269

DRAWN BY:
OAS
CHECKED BY:
DATE:
10/26/22

SUBMITTALS/REVISIONS:

A	FOR APPROVAL	01/05/23

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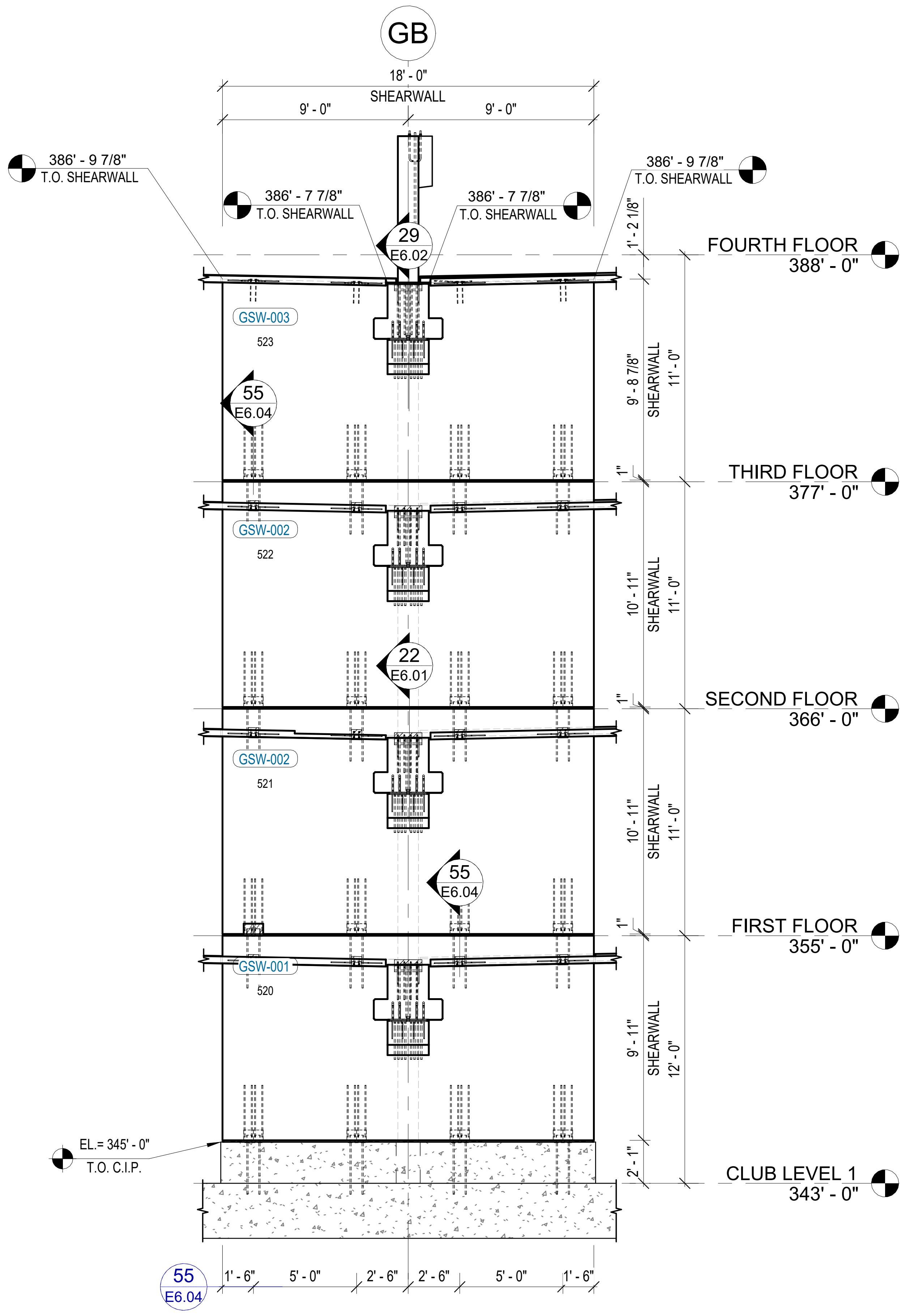
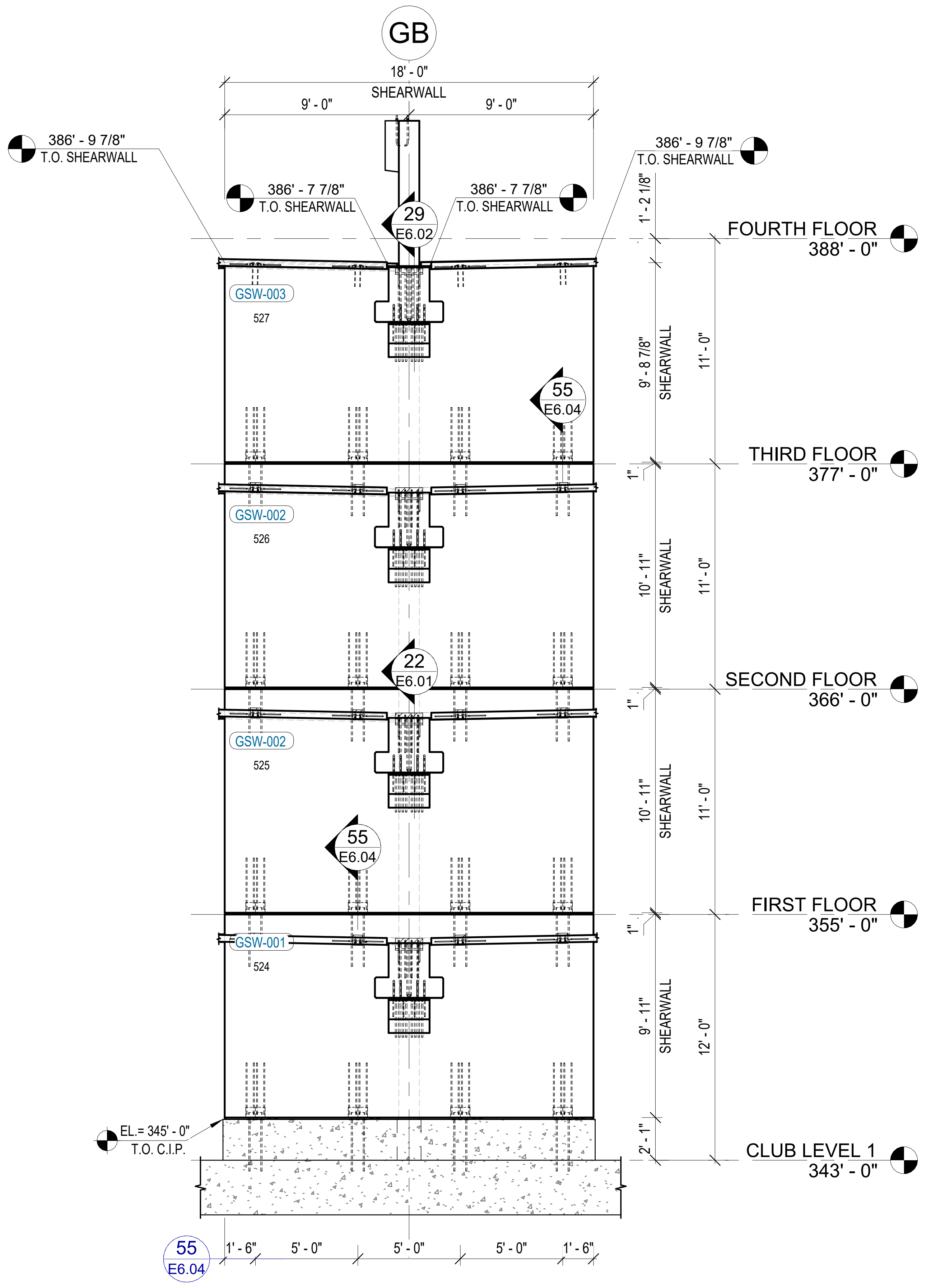
PROJECT:
GRANITE RUN PHASE II
MIDDLETOWN TOWNSHIP, PA
INTERIOR RAMP WALL ELEVATION

JERSEY PRECAST
853 NOTTINGHAM WAY
HAMILTON TOWNSHIP, NJ 08638
PH: 609-689-3700 FAX: 609-689-3797

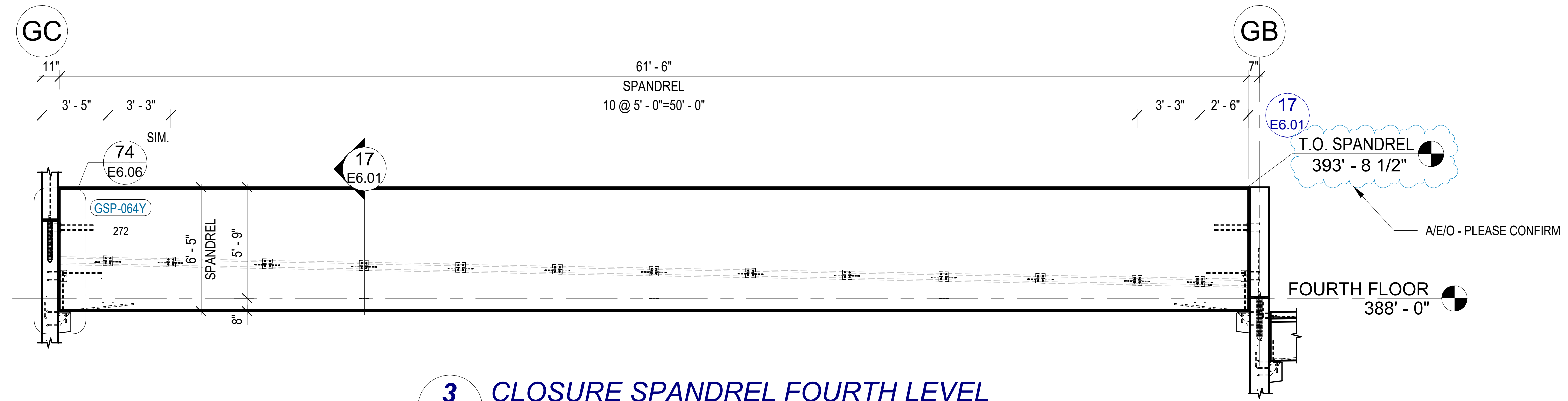
CEG JOB NO.
22551
JOB NO.
22040
SHEET NO.
E4.04


GB
18' - 0"
SHEARWALL
9' - 0"
9' - 0"
386' - 9 7/8" T.O. SHEARWALL
386' - 7 7/8" T.O. SHEARWALL
29 E6.02
FOURTH FLOOR 388' - 0"
THIRD FLOOR 377' - 0"
SECOND FLOOR 366' - 0"
FIRST FLOOR 355' - 0"
CLUB LEVEL 1 343' - 0"
GSW-003
523
GSW-002
522
GSW-002
521
GSW-001
520
55 E6.04
22 E6.01
9' - 8 7/8" SHEARWALL 11' - 0"
10' - 11" SHEARWALL 11' - 0"
9' - 11" SHEARWALL 12' - 0"
1' - 2 1/8"
2' - 1"
EL = 345' - 0" T.O. C.I.P.
1' - 6"
5' - 0"
2' - 6"

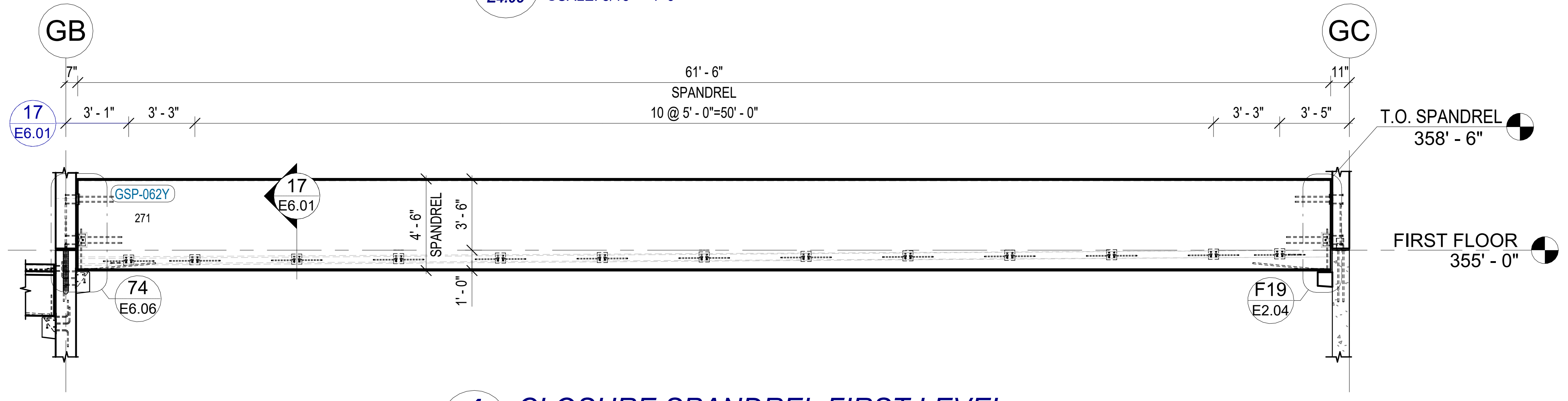
1 WEST INTERIOR SHEAR WALL ELEVATION
E4.05
SCALE: 3/16" = 1'-0"


GB
18' - 0"
SHEARWALL
9' - 0"
9' - 0"
386' - 9 7/8" T.O. SHEARWALL
386' - 7 7/8" T.O. SHEARWALL
29 E6.02
FOURTH FLOOR 388' - 0"
THIRD FLOOR 377' - 0"
SECOND FLOOR 366' - 0"
FIRST FLOOR 355' - 0"
CLUB LEVEL 1 343' - 0"
GSW-003
527
GSW-002
526
GSW-002
525
GSW-001
524
55 E6.04
22 E6.01
9' - 8 7/8" SHEARWALL 11' - 0"
10' - 11" SHEARWALL 11' - 0"
9' - 11" SHEARWALL 12' - 0"
1' - 2 1/8"
2' - 1"
EL = 345' - 0" T.O. C.I.P.
1' - 6"
5' - 0"

2 EAST INTERIOR SHEAR WALL ELEVATION
E4.05
SCALE: 3/16" = 1'-0"


GC
GB
11"
7"
61' - 6"
SPANDREL
10 @ 5' - 0"=50' - 0"
3' - 5"
3' - 3"
2' - 6"
SIM.
74 E6.06
17 E6.01
GSP-064Y
272
6' - 5" SPANDREL
5' - 9"
8"
T.O. SPANDREL 393' - 8 1/2"
A/E/O - PLEASE CONFIRM
FOURTH FLOOR 388' - 0"

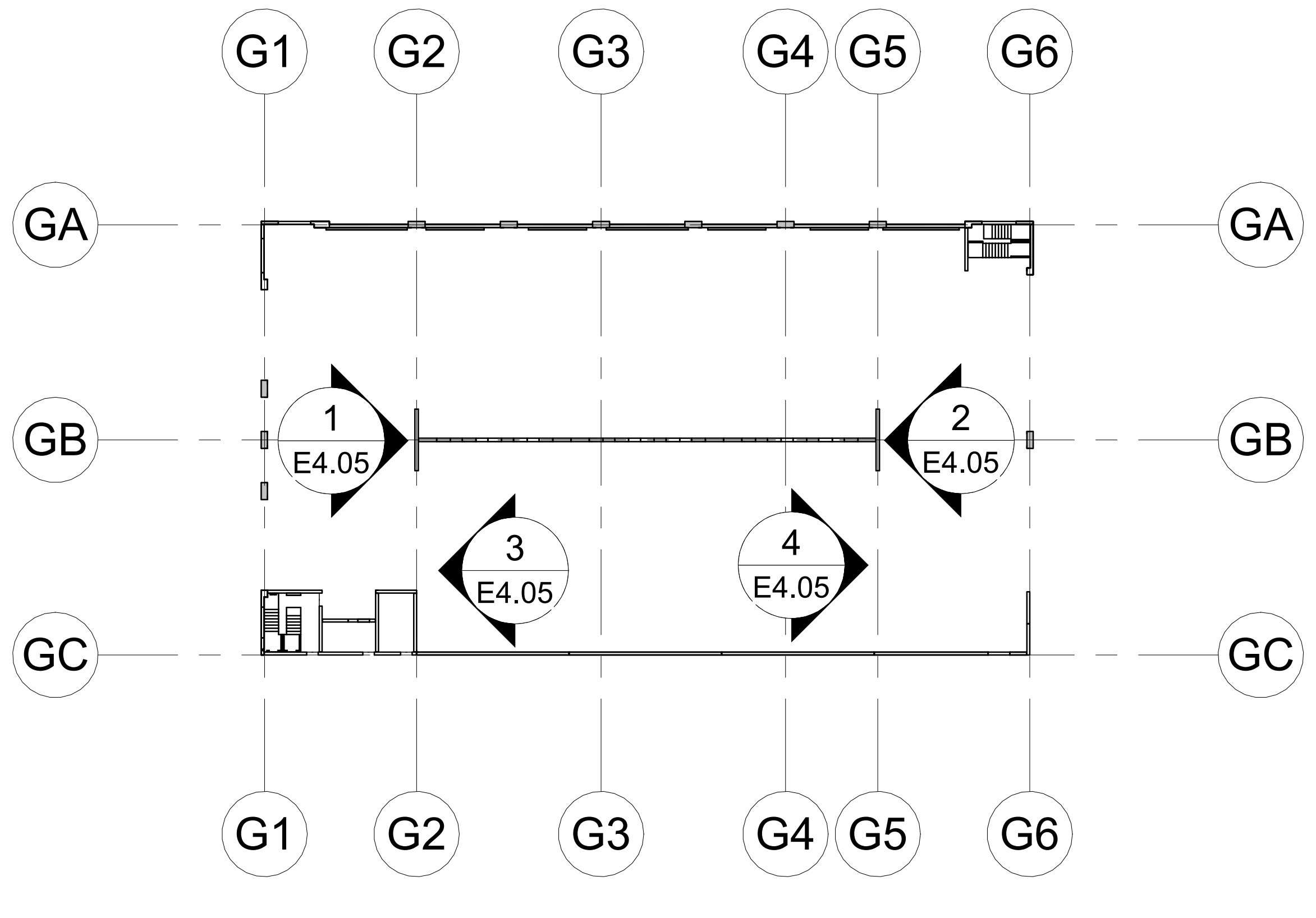
3 CLOSURE SPANDREL FOURTH LEVEL
E4.05
SCALE: 3/16" = 1'-0"


GB
GC
7"
11"
61' - 6"
SPANDREL
10 @ 5' - 0"=50' - 0"
3' - 1"
3' - 3"
3' - 5"
17 E6.01
GSP-062Y
271
4' - 6" SPANDREL
3' - 6"
1' - 0"
74 E6.06
F19 E2.04
T.O. SPANDREL 358' - 6"
FIRST FLOOR 355' - 0"

4 CLOSURE SPANDREL FIRST LEVEL
E4.05
SCALE: 3/16" = 1'-0"

NOTES:

▨ = C.I.P. CONCRETE


G1
G2
G3
G4
G5
G6
GA
GB
GC
1 E4.05
2 E4.05
3 E4.05
4 E4.05

KEY PLAN

CHRIS C. KERCSMAR
PE062269

DRAWN BY:
OAS
CHECKED BY:
DATE:
10/26/22

SUBMITTALS/REVISIONS:

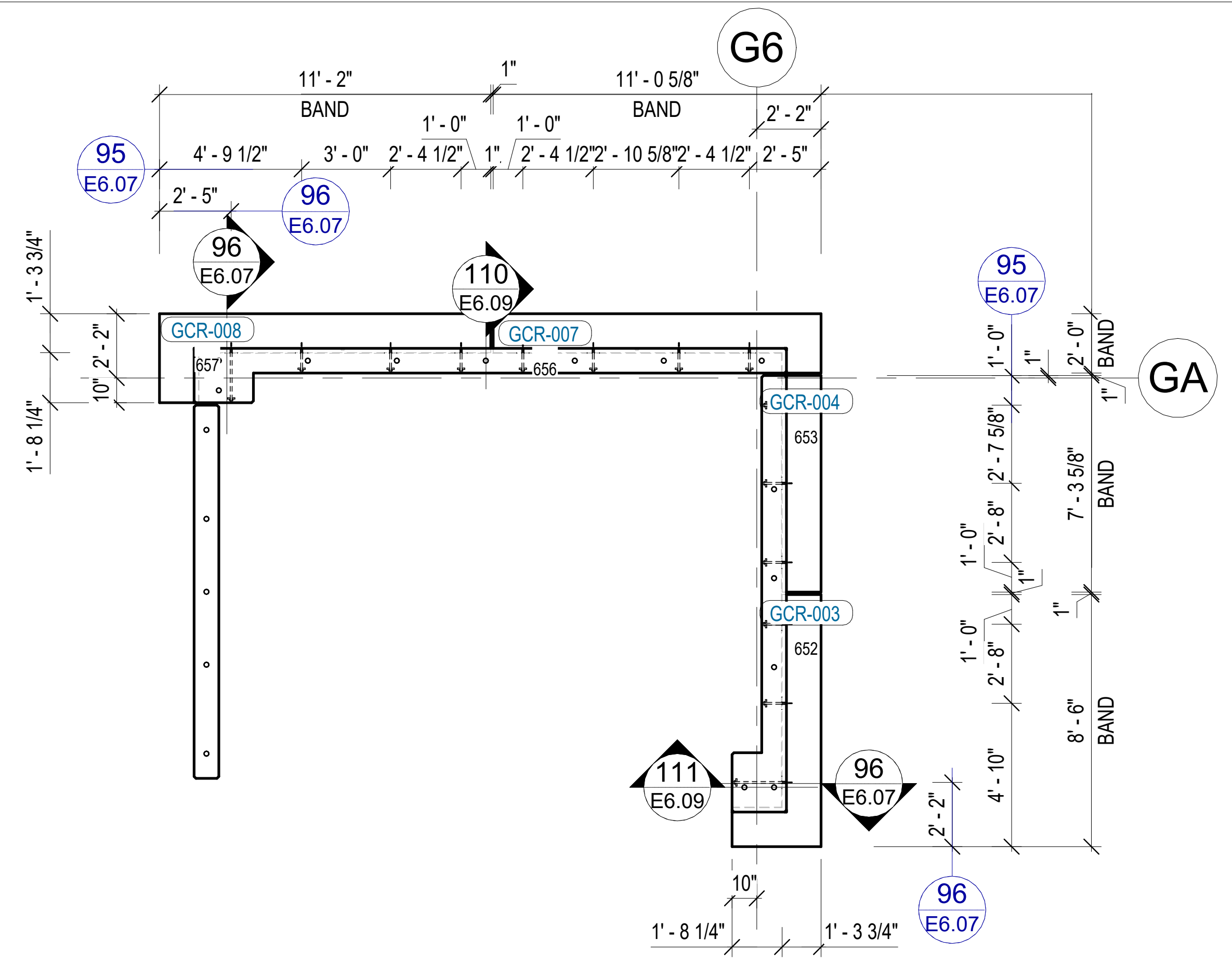
A	FOR APPROVAL	01/05/23

The CONSULTING ENGINEERS GROUP Inc.
16302 Pleasantville Road – SUITE 100 – SAN ANTONIO, TX 78233
210 637-0977 FAX 210 637-1172 E-MAIL engineers@cegtex.com

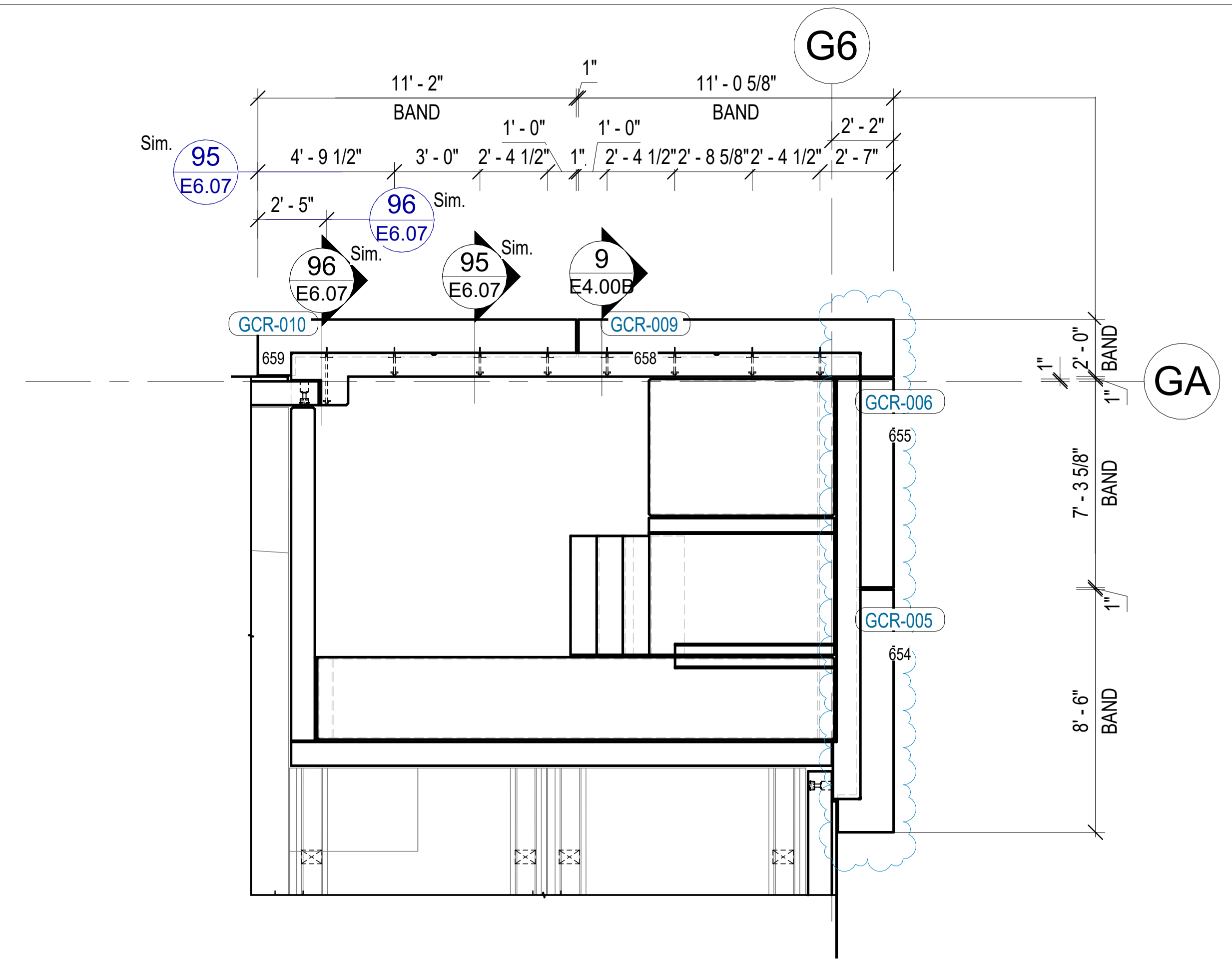
PROJECT:
GRANITE RUN PHASE II
MIDDLETOWN TOWNSHIP, PA
INTERIOR SHEAR WALL ELEVATIONS & CLOSURE SPANDRELS

JERSEY PRECAST
853 NOTTINGHAM WAY
HAMILTON TOWNSHIP, NJ 08638
PH: 609-689-3700 FAX: 609-689-3797

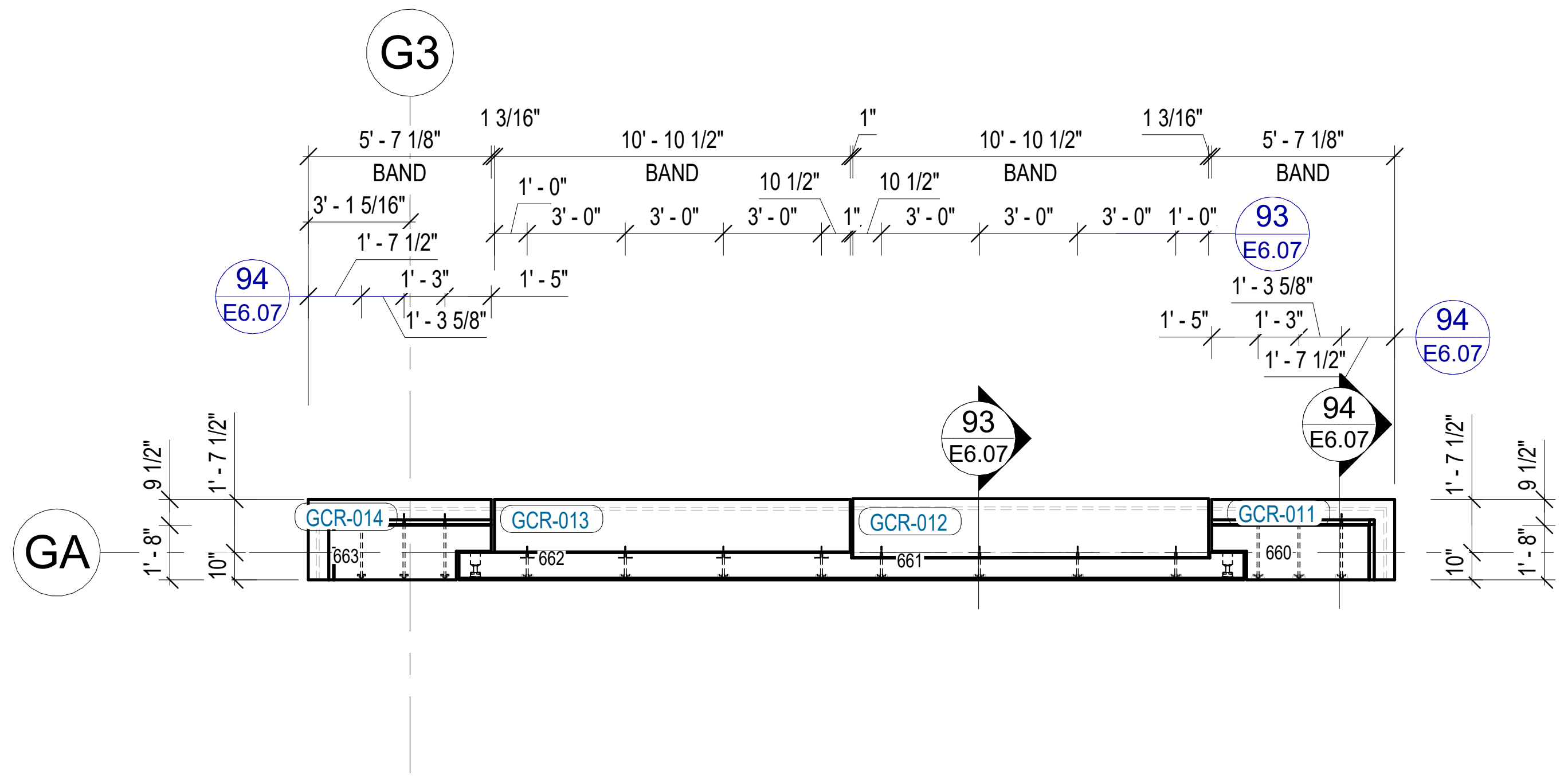
CEG JOB NO.
22551
JOB NO.
22040
SHEET NO.
E4.05


G6
GA
11' - 2"
BAND
11' - 0 5/8"
BAND
95 E6.07
96 E6.07
110 E6.09
111 E6.09
GCR-008
GCR-007
GCR-004
GCR-003
657
656
653
652

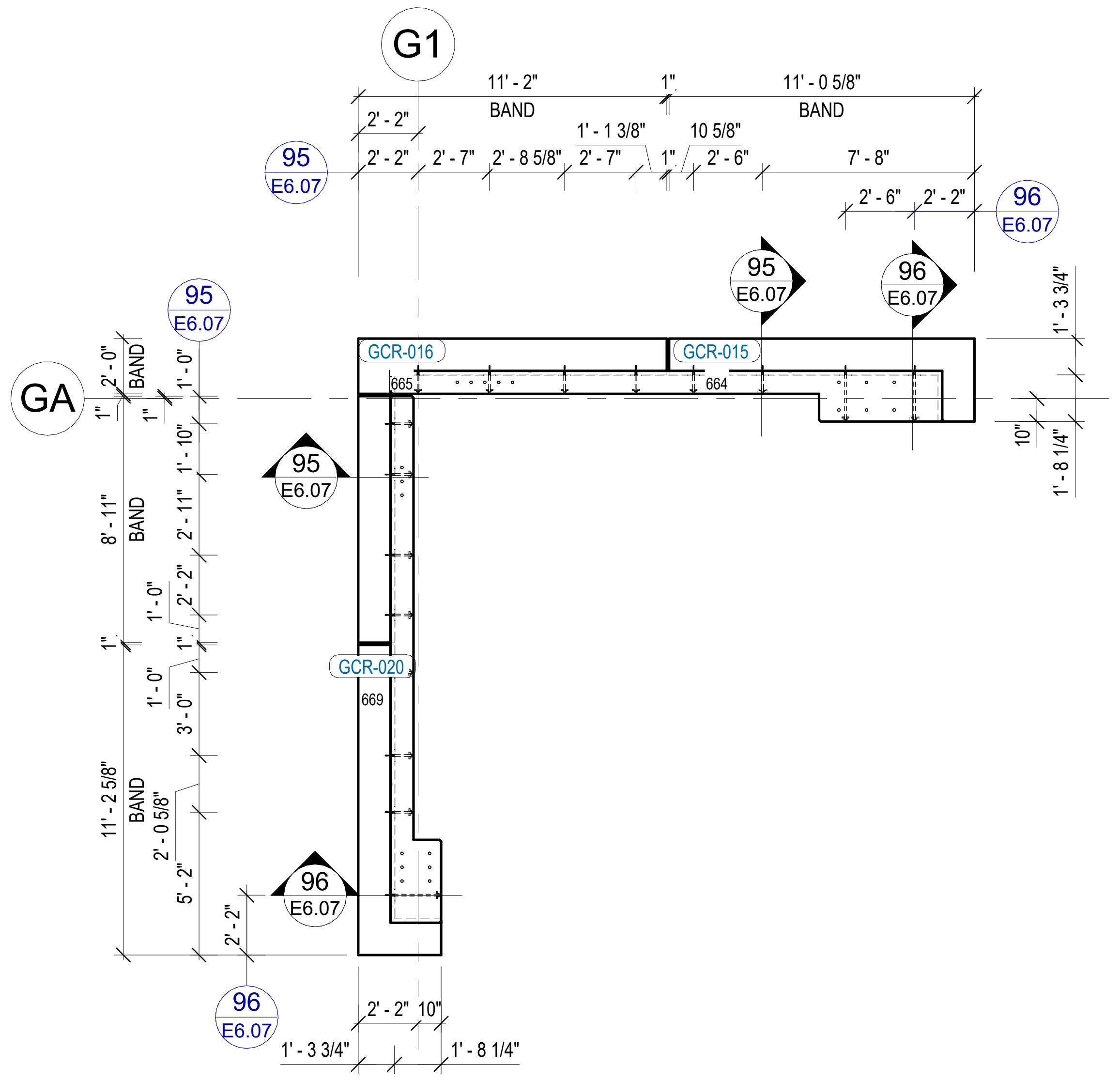
1 BEND PLAN 1
E4.06 SCALE: 3/16" = 1'-0"


G6
GA
11' - 2"
BAND
11' - 0 5/8"
BAND
Sim.
95 E6.07
96 E6.07
9 E4.006
GCR-010
GCR-009
GCR-006
GCR-005
659
658
655
654

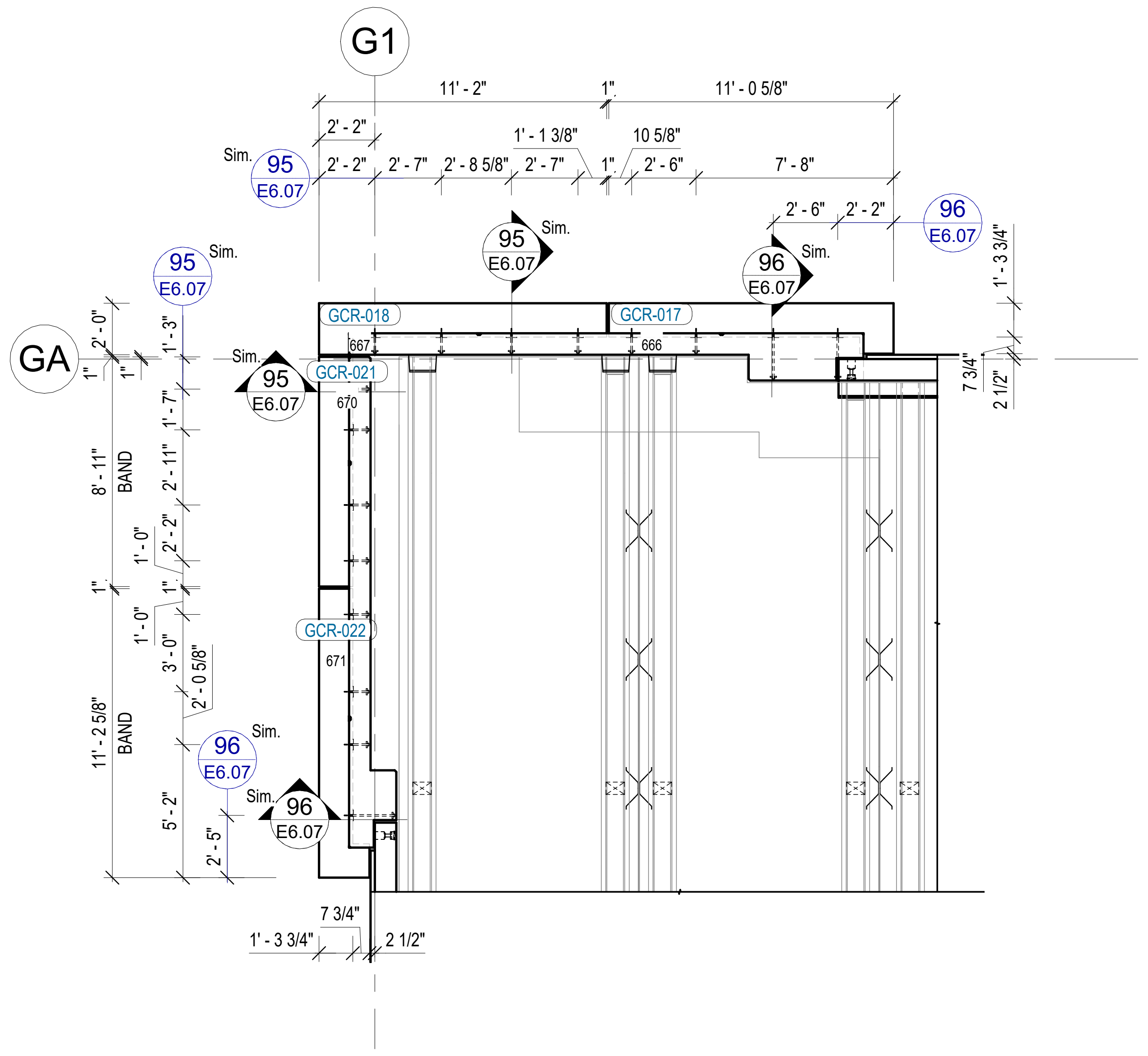
2 BEND PLAN 2
E4.06 SCALE: 3/16" = 1'-0"


G3
GA
5' - 7 1/8"
BAND
10' - 10 1/2"
BAND
93 E6.07
94 E6.07
GCR-014
GCR-013
GCR-012
GCR-011
663
662
661
660

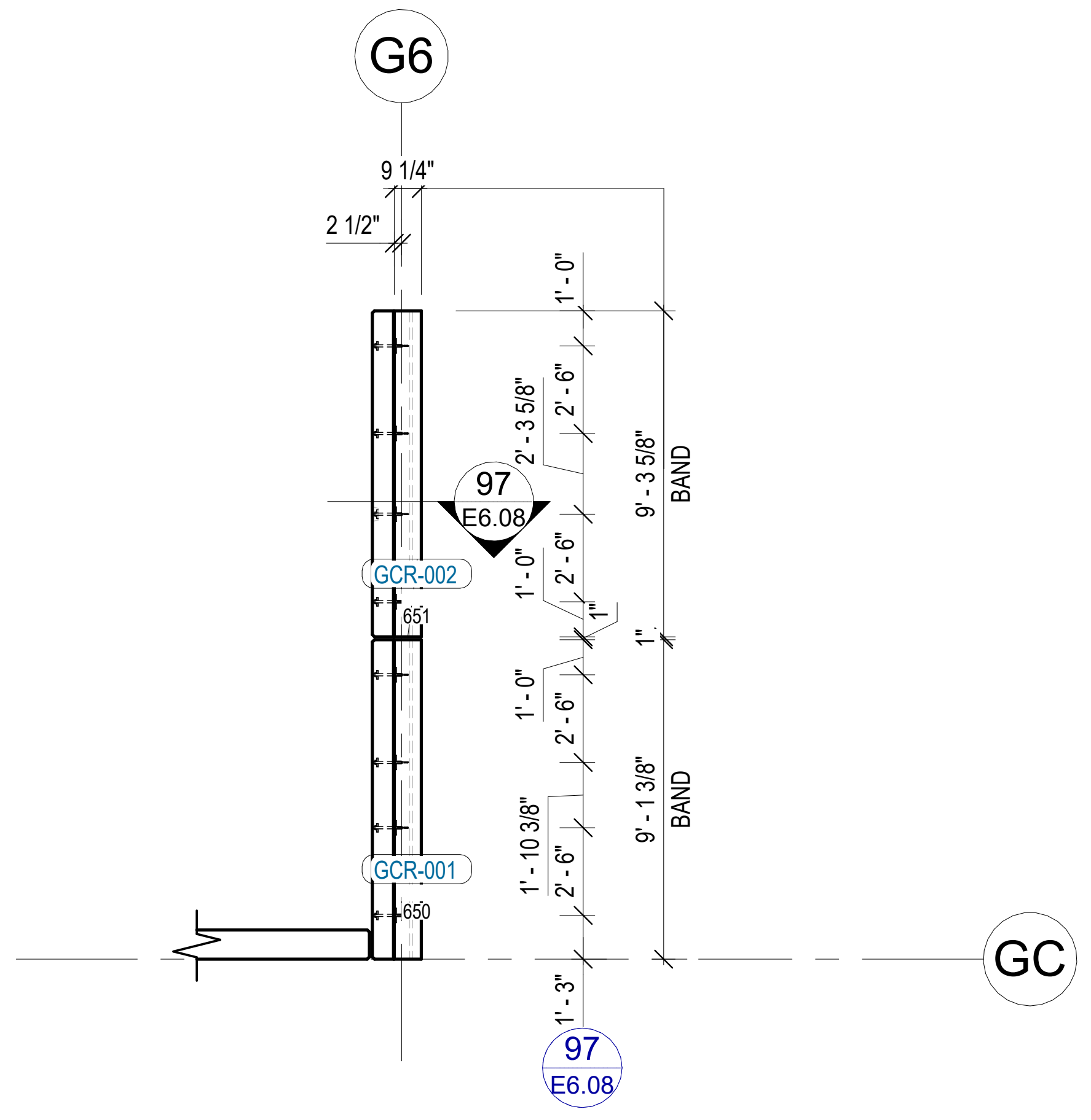
3 BAND PLAN 3
E4.06 SCALE: 3/16" = 1'-0"


G1
GA
11' - 2"
BAND
11' - 0 5/8"
BAND
95 E6.07
96 E6.07
GCR-016
GCR-015
GCR-020
665
664
669

4 BEND PLAN 4
E4.06 SCALE: 3/16" = 1'-0"

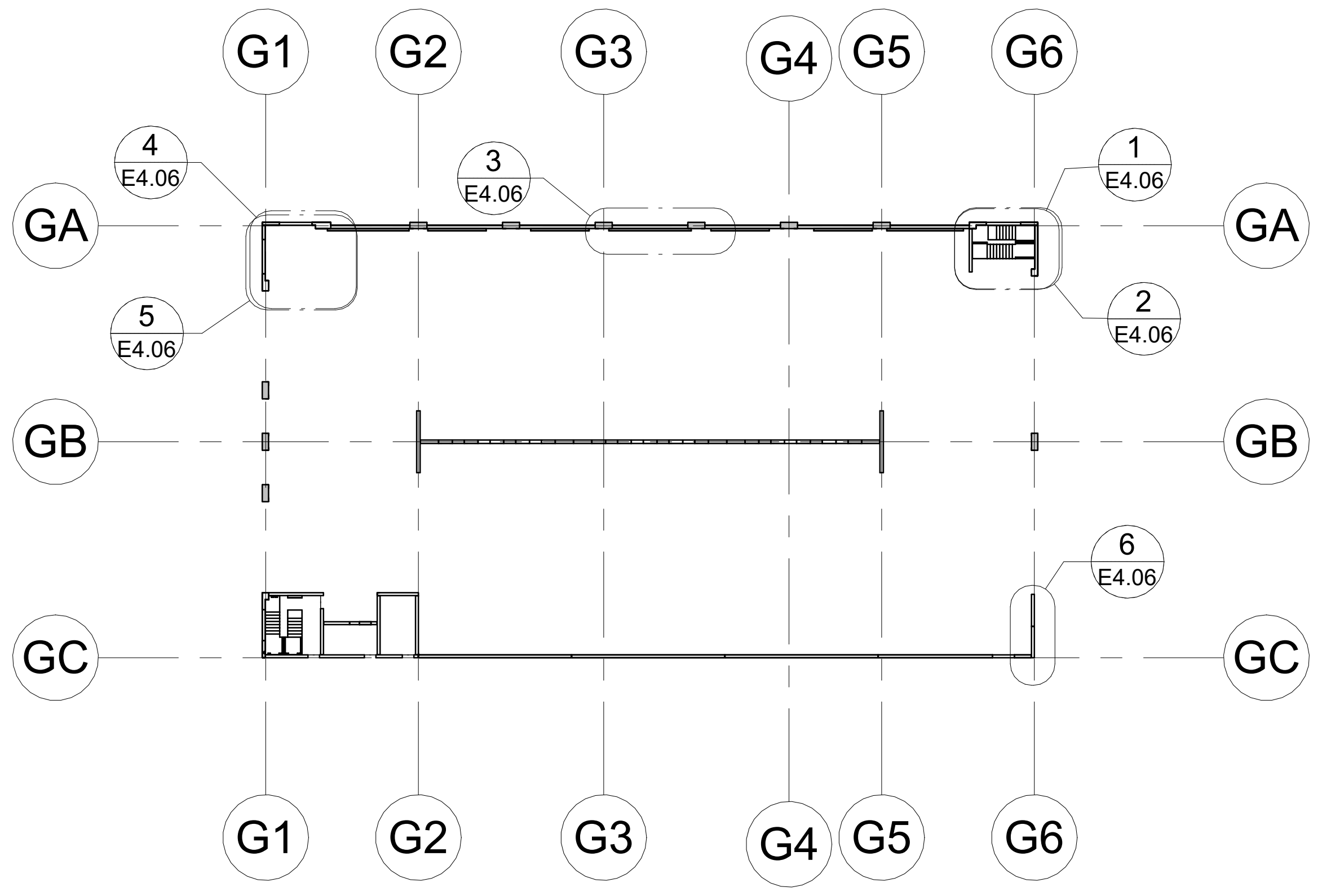

G1
GA
11' - 2"
11' - 0 5/8"
Sim.
95 E6.07
96 E6.07
GCR-018
GCR-017
GCR-021
GCR-022
667
666
670
671

5 BEND PLAN 5
E4.06 SCALE: 3/16" = 1'-0"


G6
GC
9 1/4"
2 1/2"
9' - 3 5/8"
BAND
9' - 1 3/8"
BAND
97 E6.08
97 E6.08
GCR-002
GCR-001
651
650

6 BEND PLAN 6
E4.06 SCALE: 3/16" = 1'-0"

CHRIS C. KERCSMAR
PE062269


G1
G2
G3
G4
G5
G6
GA
GB
GC
1 E4.06
2 E4.06
3 E4.06
4 E4.06
5 E4.06
6 E4.06

KEY PLAN

DRAWN BY:
OAS
CHECKED BY:
DATE:
12/21/22

SUBMITTALS/REVISIONS:

A	FOR APPROVAL	01/05/23

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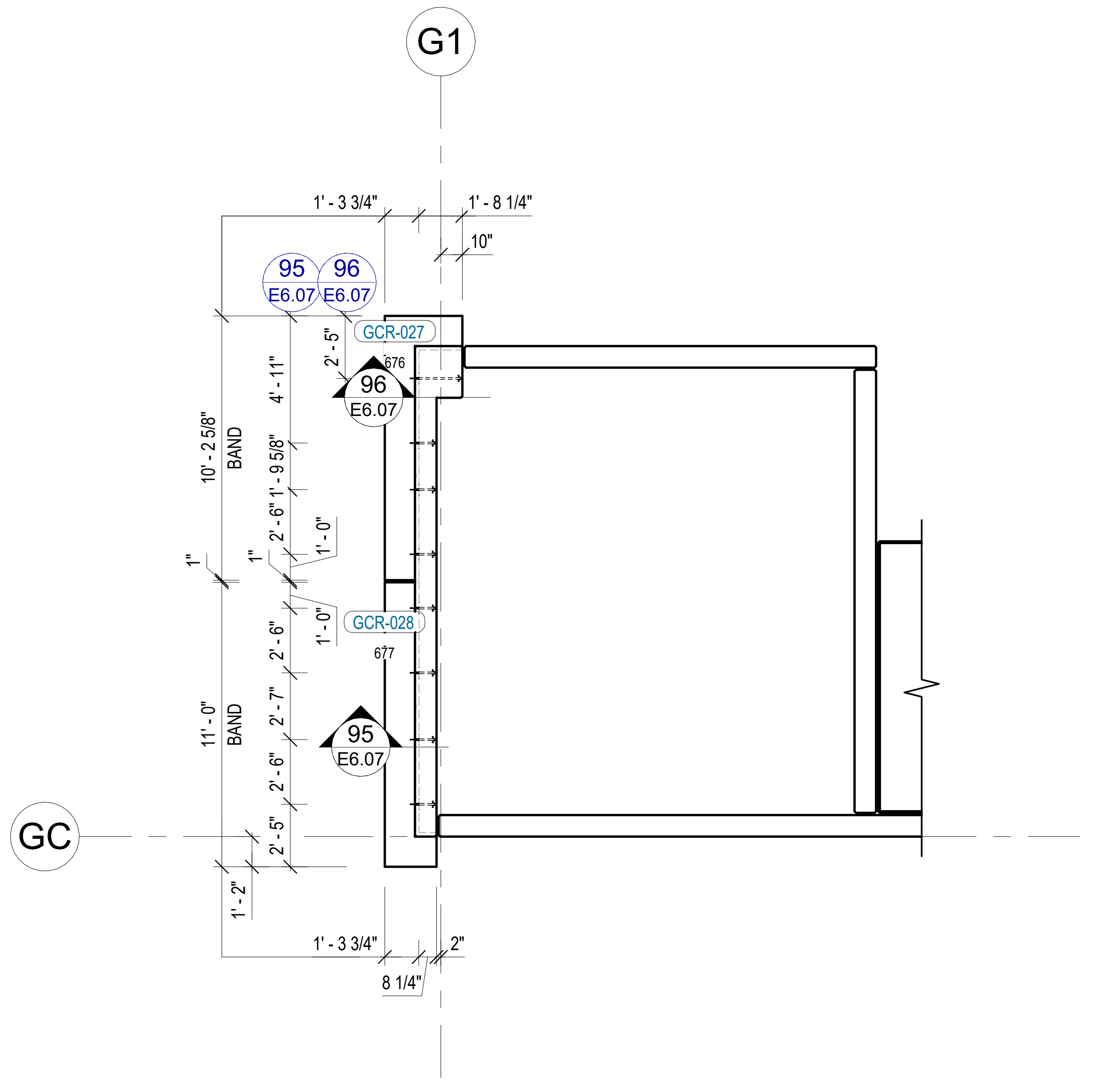
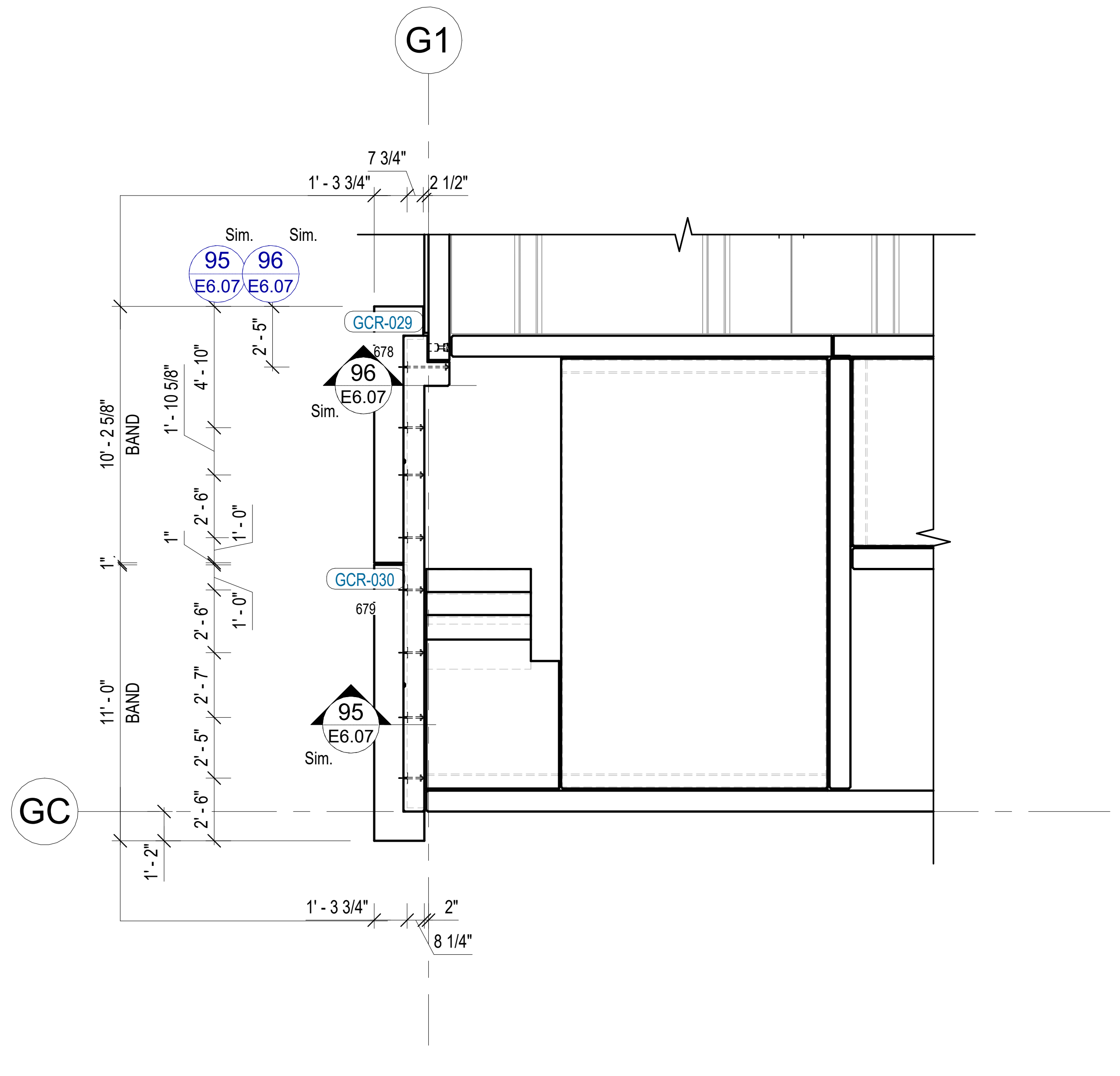
PROJECT:
GRANITE RUN PHASE II
MIDDLETOWN TOWNSHIP, PA
BANDS PLAN 1

JERSEY PRECAST
853 NOTTINGHAM WAY
HAMILTON TOWNSHIP, NJ 08638
PH: 609-689-3700 FAX: 609-689-3797

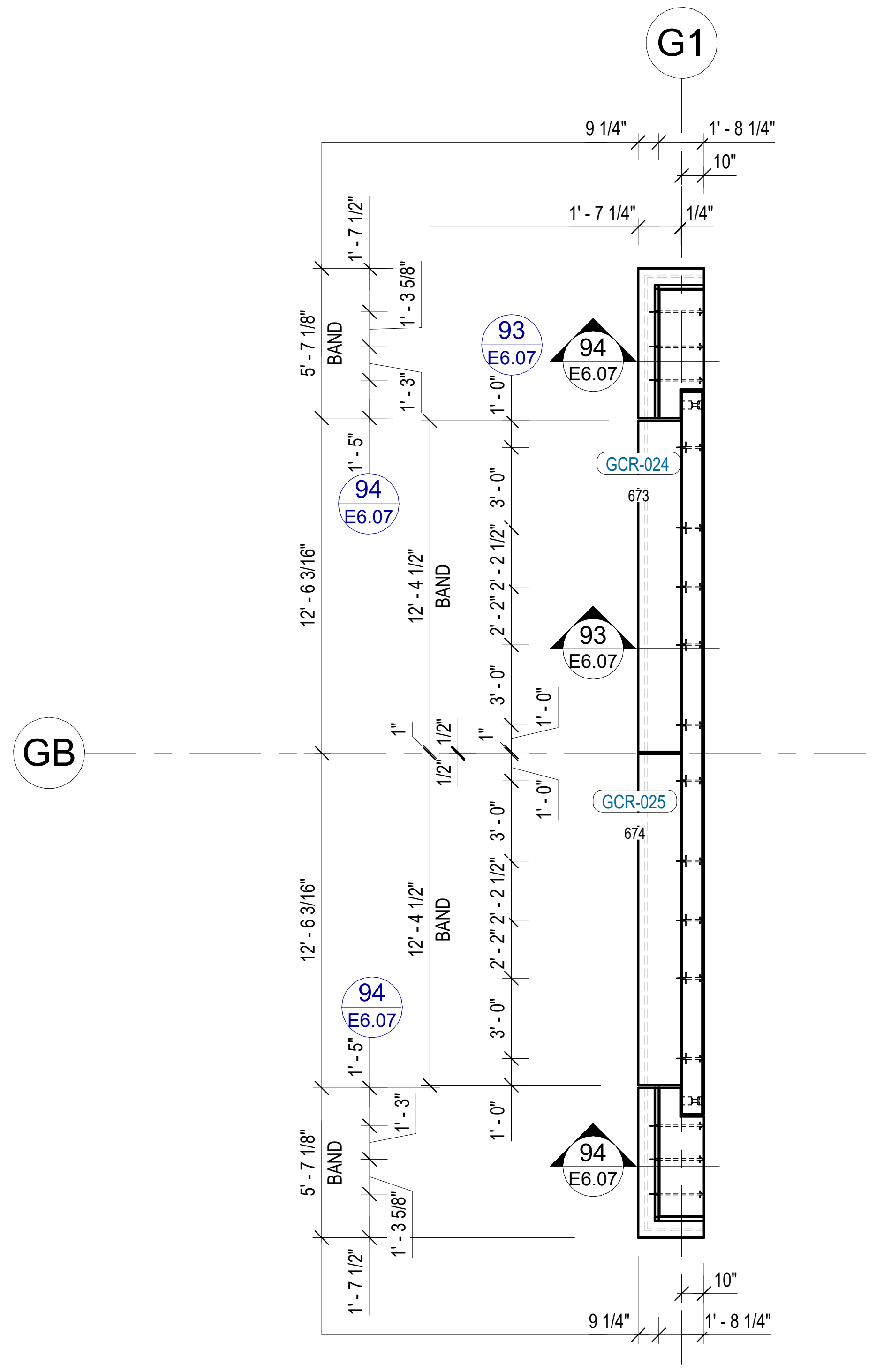
CEG JOB NO.
22551
JOB NO.
22040
SHEET NO.
E4.06


G1
GC
1'- 3 3/4"
1'- 8 1/4"
10"
95 E6.07
96 E6.07
GCR-027
GCR-028
10'- 2 5/8" BAND
11'- 0" BAND
95 E6.07
96 E6.07
8 1/4"
2"

1 E4.07 *CORNISE PLAN 7*
SCALE: 3/16" = 1'-0"

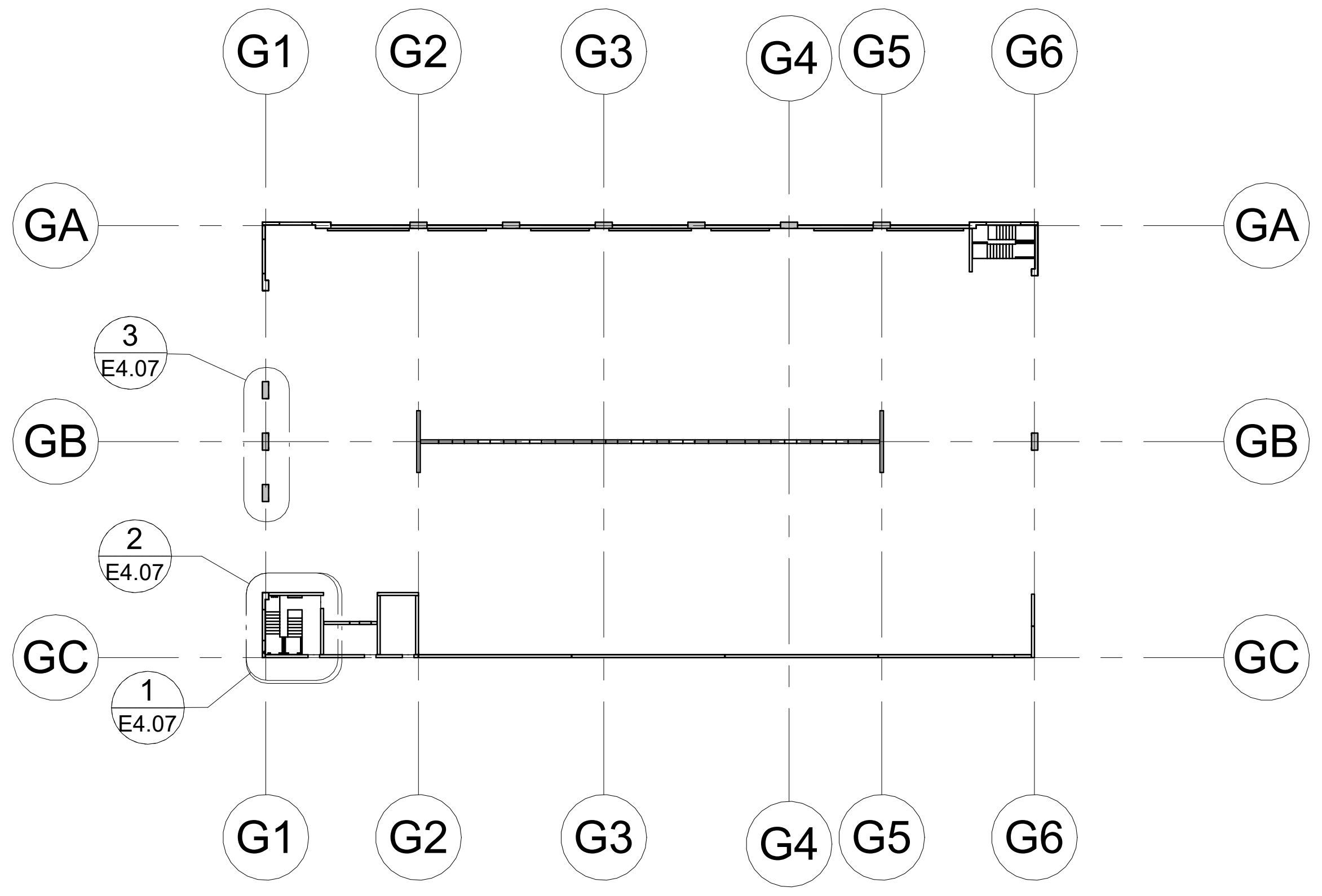

G1
GC
7 3/4"
1'- 3 3/4"
2 1/2"
Sim.
95 E6.07
96 E6.07
GCR-029
GCR-030
10'- 2 5/8" BAND
11'- 0" BAND
8 1/4"
2"

2 E4.07 *CORNISE PLAN 8*
SCALE: 3/16" = 1'-0"


G1
GB
9 1/4"
1'- 8 1/4"
10"
1'- 7 1/4"
1/4"
93 E6.07
94 E6.07
GCR-024
GCR-025
5'- 7 1/8" BAND
12'- 6 3/16"
12'- 4 1/2" BAND

3 E4.07 *CORNISE PLAN 9*
SCALE: 3/16" = 1'-0"

CHRIS C. KERCSMAR


G1
G2
G3
G4
G5
G6
GA
GB
GC
3 E4.07
2 E4.07
1 E4.07

KEY PLAN

DRAWN BY: OPK
CHECKED BY:
DATE: 12/21/22

SUBMITTALS/REVISIONS:

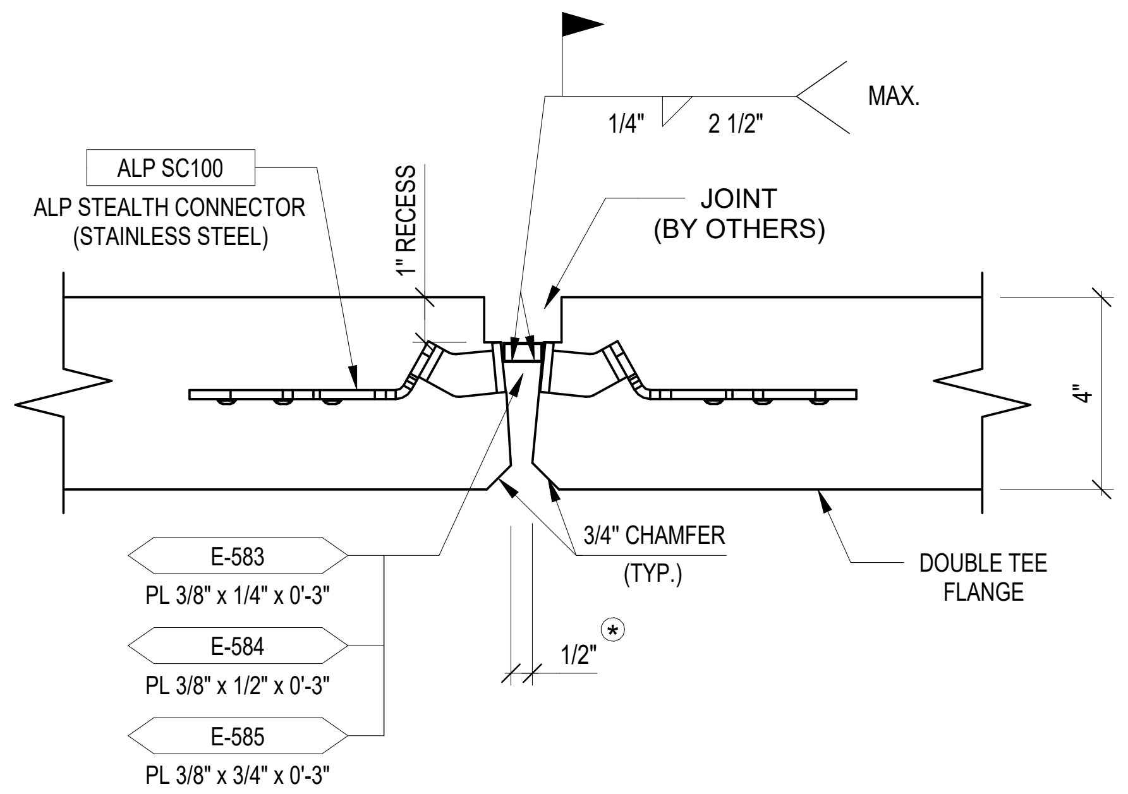
A	FOR APPROVAL	01/05/23

The CONSULTING ENGINEERS GROUP Inc.
16302 Pleasantville Road – SUITE 100 – SAN ANTONIO, TX 78233
210 637-0977 FAX 210 637-1172 E-MAIL engineers@cegtex.com

PROJECT:
GRANITE RUN PHASE II
MIDDLETOWN TOWNSHIP, PA
BANDS PLAN 2

JERSEY PRECAST
853 NOTTINGHAM WAY
HAMILTON TOWNSHIP, NJ 08638
PH: 609-689-3700 FAX: 609-689-3797

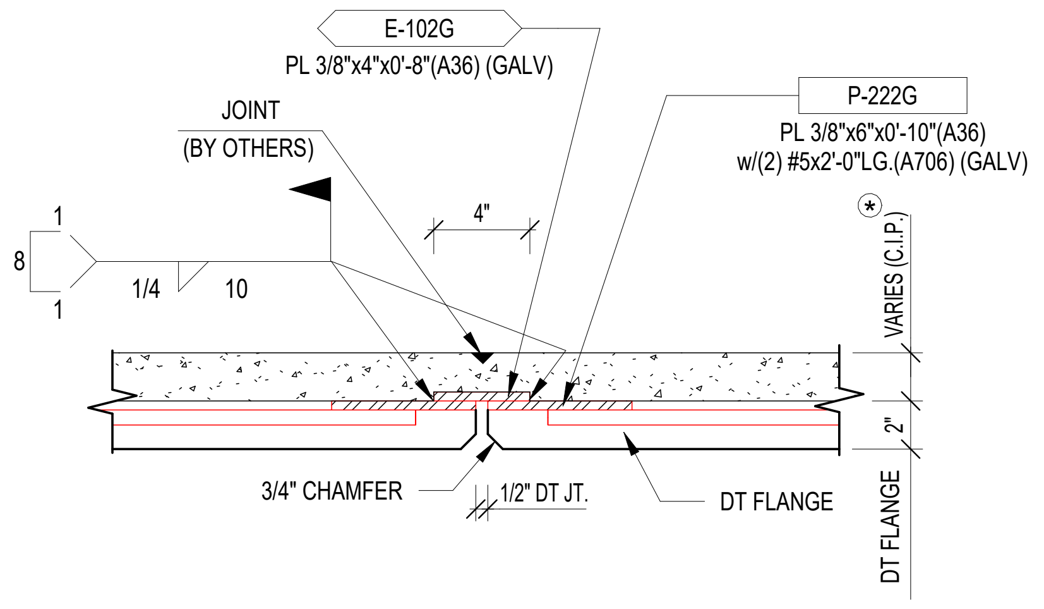
CEG JOB NO. 22551
JOB NO. 22040
SHEET NO. E4.07


MAX.
1/4"
2 1/2"
ALP SC100
ALP STEALTH CONNECTOR
(STAINLESS STEEL)
1" RECESS
JOINT
(BY OTHERS)
4"
E-583
PL 3/8" x 1/4" x 0'-3"
E-584
PL 3/8" x 1/2" x 0'-3"
E-585
PL 3/8" x 3/4" x 0'-3"
3/4" CHAMFER
(TYP.)
1/2"
DOUBLE TEE
FLANGE

NOTES:

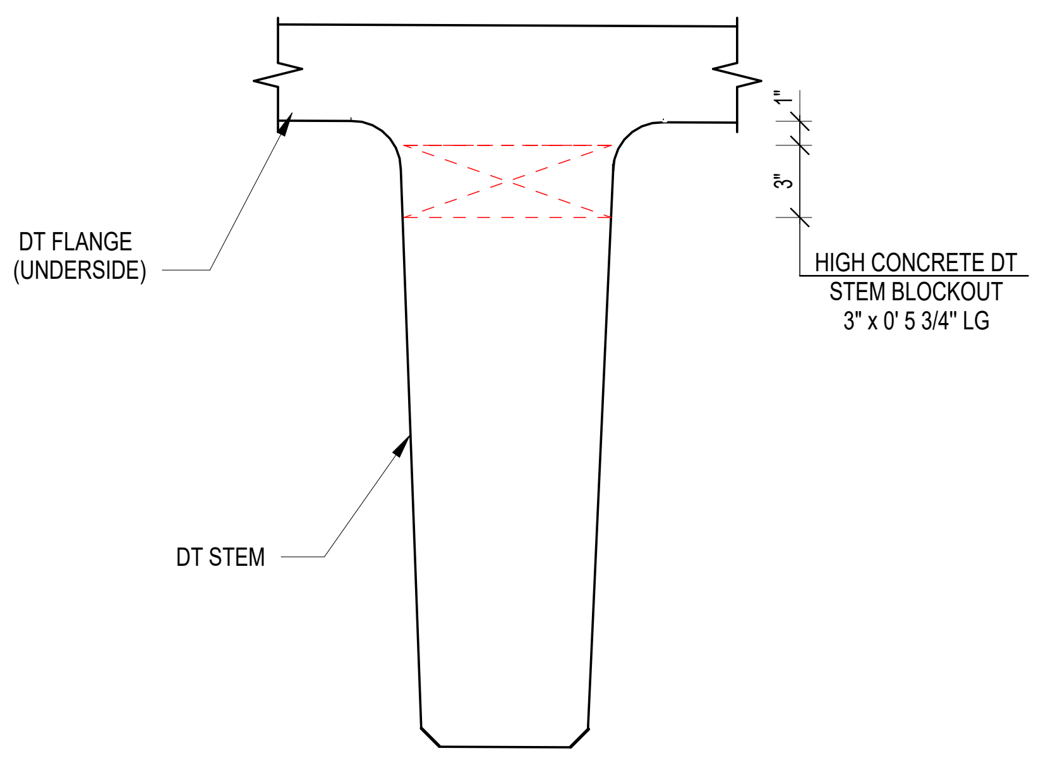
1. TOP OF DOUBLE TEE FLANGES WILL HAVE DIFFERENT ELEVATIONS DUE TO VARIABLE CAMBER IN DOUBLE TEES.
2. THE ERECTOR SHALL POSITION DOUBLE TEES TO ALIGN FLANGES TO A MAXIMUS TOP SURFACE DIFFERENTIAL OF 1/4".
3. JOINT TREATMENT BETWEEN DOUBLE TEES TO BE BY OTHERS.
4. CONTRACTOR REFER TO STRUCTURAL DRAWINGS FOR CONTROL JTS. AND OTHER ITEMS IN TOPPING.

1

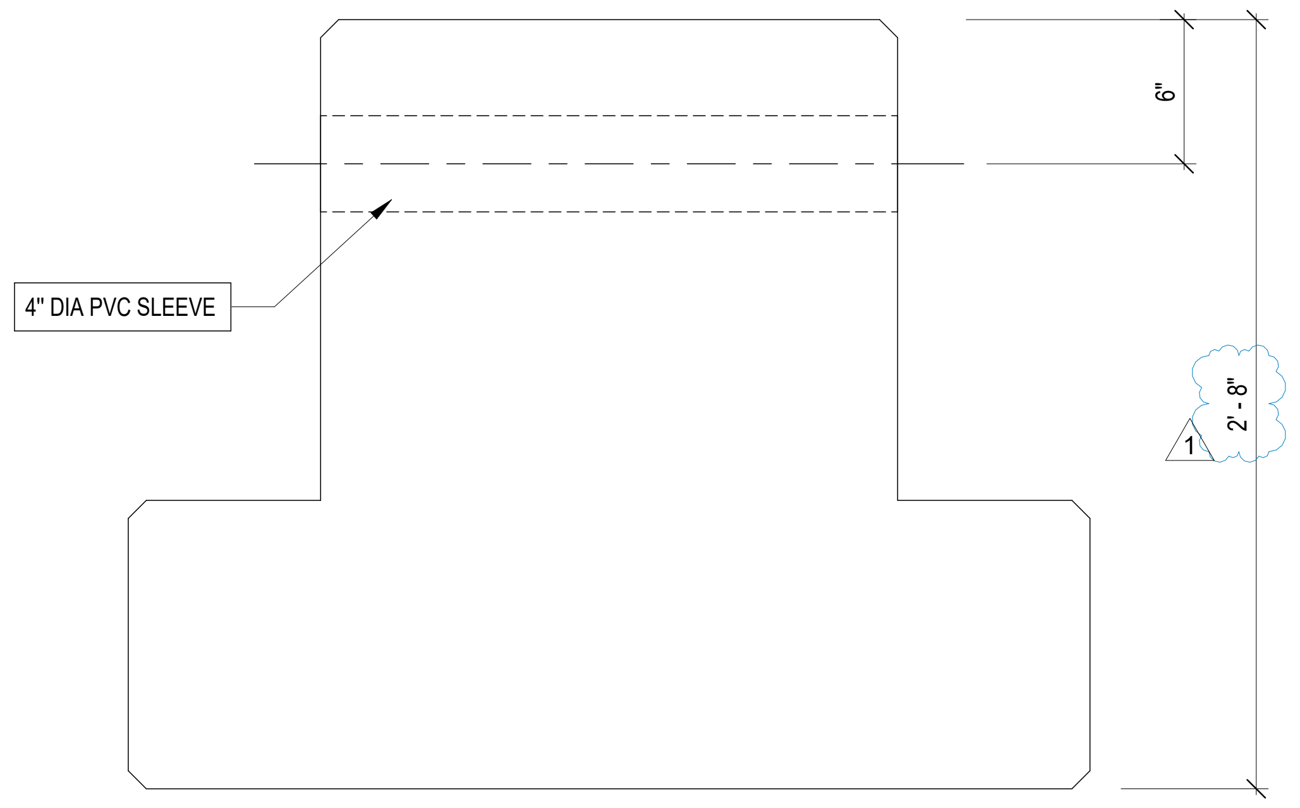

E-102G
PL 3/8"x4"x0'-8"(A36) (GALV)
P-222G
PL 3/8"x6"x0'-10"(A36)
w/(2) #5x2'-0"LG.(A706) (GALV)
JOINT
(BY OTHERS)
8
1
1
1/4
10
4"
VARIES (C.I.P.)
2"
DT FLANGE
3/4" CHAMFER
1/2" DT JT.
DT FLANGE

* SEE STRUCTURAL DRAWINGS FOR C.I.P. INFO, INCLUDING REINFORCEMENT STEEL (BY OTHERS)

2

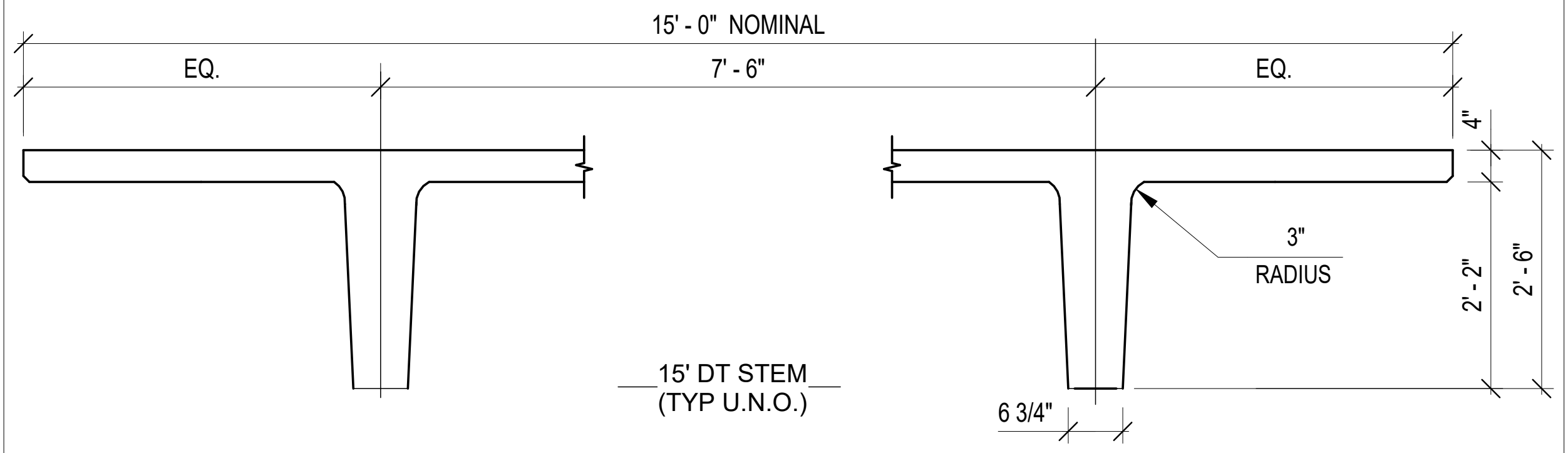

1"
3"
DT FLANGE
(UNDERSIDE)
HIGH CONCRETE DT
STEM BLOCKOUT
3" x 0' 5 3/4" LG
DT STEM

3

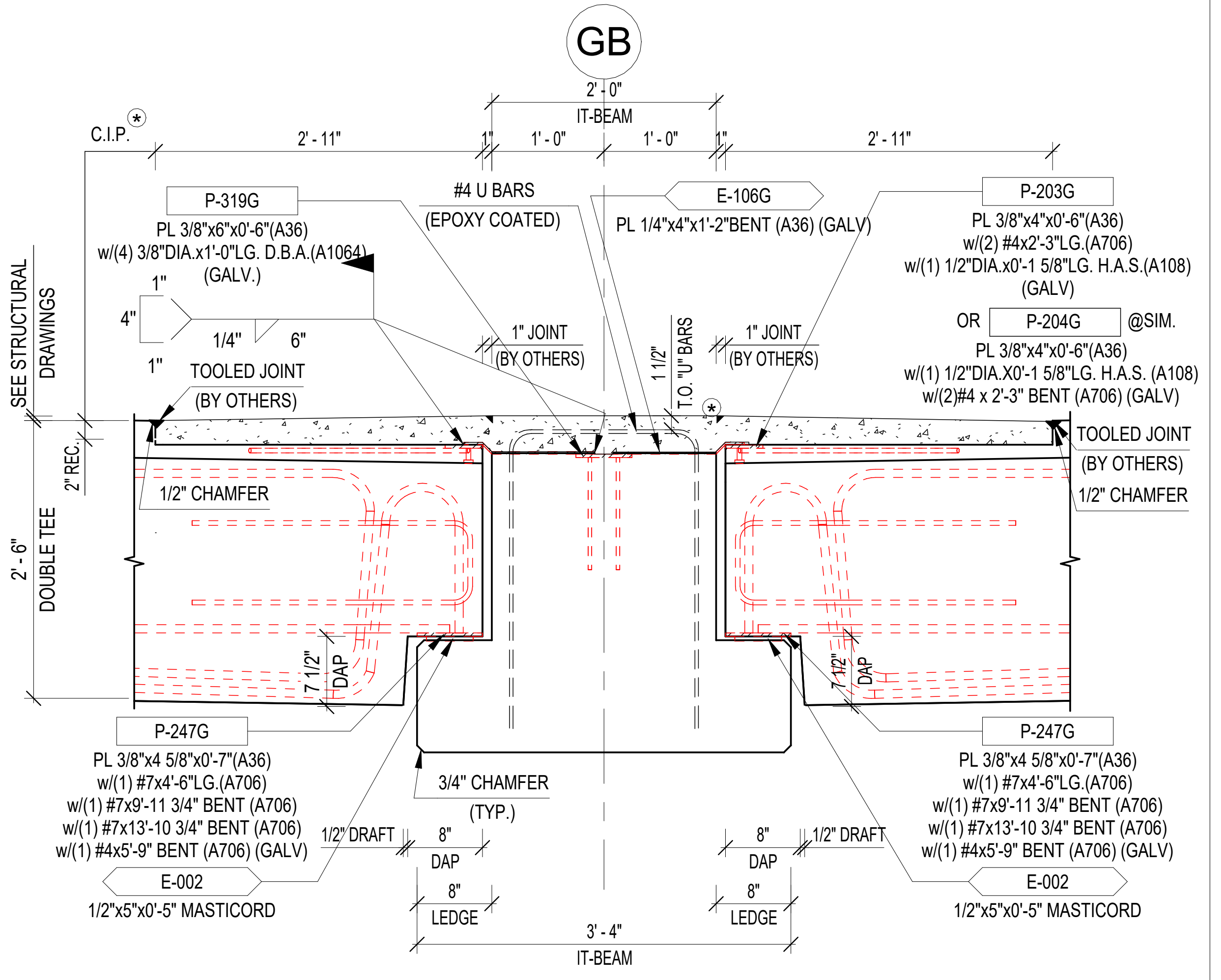

6"
4" DIA PVC SLEEVE
1
2'-8"

TYPICAL IT-BEAM

4

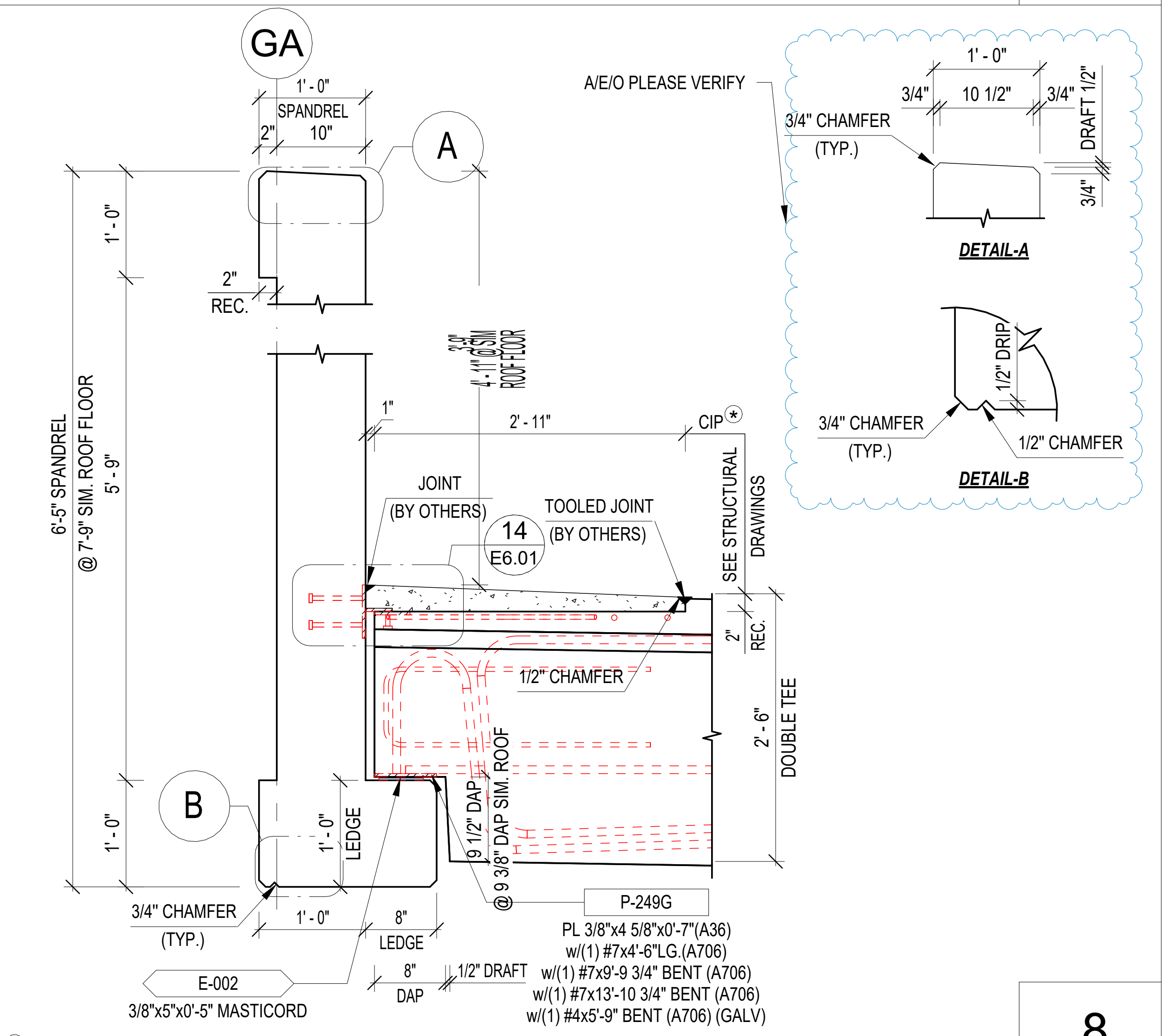

15' - 0" NOMINAL
EQ.
7' - 6"
EQ.
4"
3"
RADIUS
2' - 2"
2' - 6"
15' DT STEM
(TYP U.N.O.)
6 3/4"

5


GB
2' - 0"
IT-BEAM
C.I.P. *
2' - 11"
1"
1' - 0"
1' - 0"
1"
2' - 11"
P-319G
PL 3/8"x6"x0'-6"(A36)
w/(4) 3/8"DIA.x1'-0"LG. D.B.A.(A1064)
(GALV.)
#4 U BARS
(EPOXY COATED)
E-106G
PL 1/4"x4"x1'-2"BENT (A36) (GALV)
P-203G
PL 3/8"x4"x0'-6"(A36)
w/(2) #4x2'-3"LG.(A706)
w/(1) 1/2"DIA.x0'-1 5/8"LG. H.A.S.(A108)
(GALV)
OR P-204G @SIM.
PL 3/8"x4"x0'-6"(A36)
w/(1) 1/2"DIA.X0'-1 5/8"LG. H.A.S. (A108)
w/(2)#4 x 2'-3" BENT (A706) (GALV)
SEE STRUCTURAL DRAWINGS
1"
4"
1"
1/4"
6"
TOOLED JOINT
(BY OTHERS)
1" JOINT
(BY OTHERS)
1 1/2"
T.O. "U" BARS
*
1" JOINT
(BY OTHERS)
TOOLED JOINT
(BY OTHERS)
1/2" CHAMFER
2" REC.
1/2" CHAMFER
2' - 6"
DOUBLE TEE
7 1/2"
DAP
7 1/2"
DAP
P-247G
PL 3/8"x4 5/8"x0'-7"(A36)
w/(1) #7x4'-6"LG.(A706)
w/(1) #7x9'-11 3/4" BENT (A706)
w/(1) #7x13'-10 3/4" BENT (A706)
w/(1) #4x5'-9" BENT (A706) (GALV)
3/4" CHAMFER
(TYP.)
P-247G
PL 3/8"x4 5/8"x0'-7"(A36)
w/(1) #7x4'-6"LG.(A706)
w/(1) #7x9'-11 3/4" BENT (A706)
w/(1) #7x13'-10 3/4" BENT (A706)
w/(1) #4x5'-9" BENT (A706) (GALV)
1/2" DRAFT
8"
DAP
8"
LEDGE
8"
DAP
8"
LEDGE
1/2" DRAFT
E-002
1/2"x5"x0'-5" MASTICORD
E-002
1/2"x5"x0'-5" MASTICORD
3' - 4"
IT-BEAM

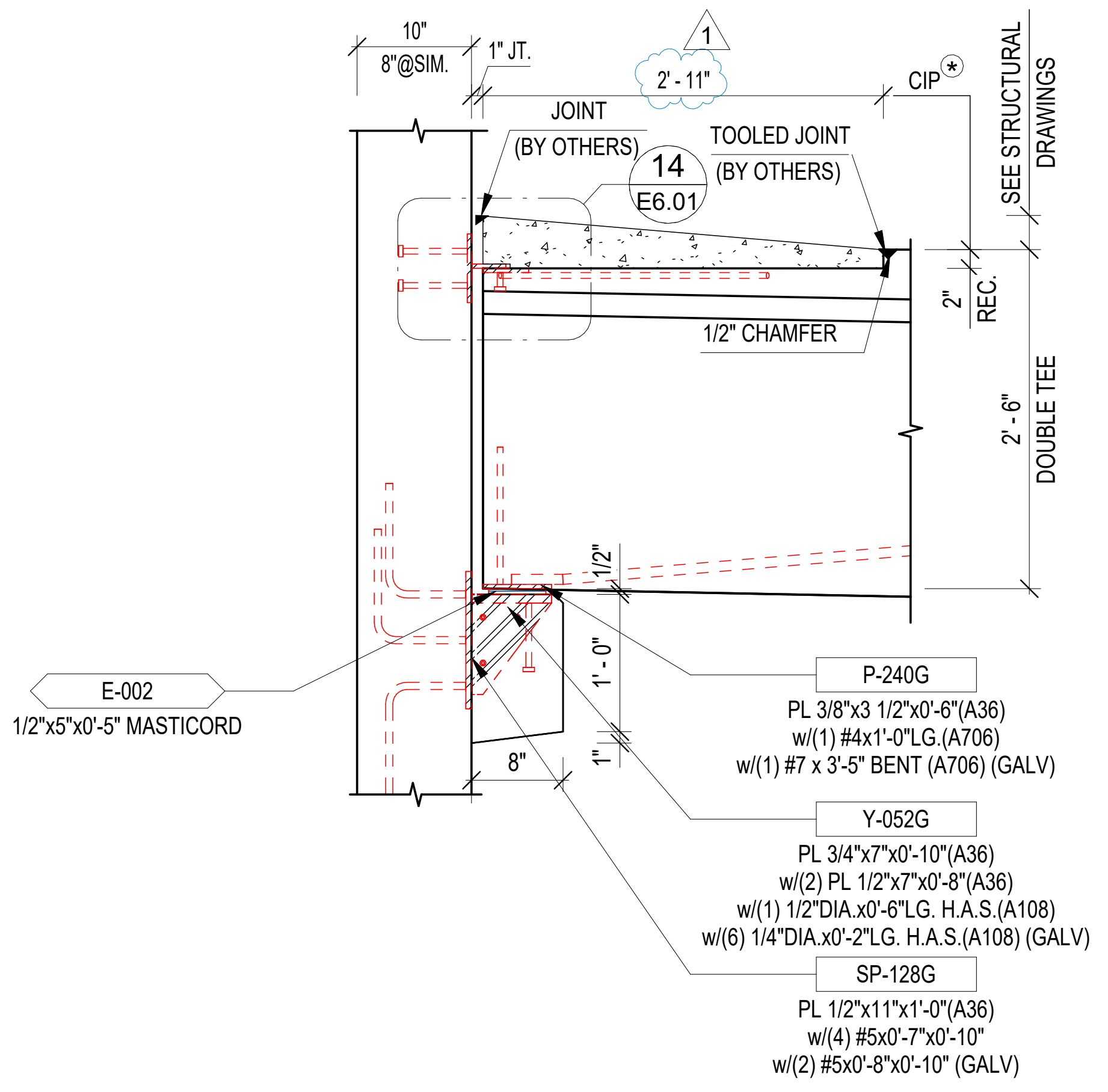
* SEE STRUCTURAL DRAWINGS FOR C.I.P. INFO, INCLUDING REINFORCEMENT STEEL (BY OTHERS)

7


GA
1' - 0"
SPANDREL
2"
10"
A
A/E/O PLEASE VERIFY
1' - 0"
3/4"
10 1/2"
3/4"
DRAFT 1/2"
3/4" CHAMFER
(TYP.)
3/4"
DETAIL-A
1/2" DRIP
3/4" CHAMFER
(TYP.)
1/2" CHAMFER
DETAIL-B
1' - 0"
2"
REC.
6'-5" SPANDREL
@ 7'-9" SIM. ROOF FLOOR
5' - 9"
3'-9"
4'-11" @SIM
ROOF FLOOR
1"
2' - 11"
CIP *
SEE STRUCTURAL DRAWINGS
JOINT
(BY OTHERS)
14
E6.01
TOOLED JOINT
(BY OTHERS)
2"
REC.
1/2" CHAMFER
2' - 6"
DOUBLE TEE
B
1' - 0"
1' - 0"
LEDGE
9 1/2" DAP
@ 9 3/8" DAP SIM. ROOF
3/4" CHAMFER
(TYP.)
1' - 0"
8"
LEDGE
8"
DAP
1/2" DRAFT
E-002
3/8"x5"x0'-5" MASTICORD
P-249G
PL 3/8"x4 5/8"x0'-7"(A36)
w/(1) #7x4'-6"LG.(A706)
w/(1) #7x9'-9 3/4" BENT (A706)
w/(1) #7x13'-10 3/4" BENT (A706)
w/(1) #4x5'-9" BENT (A706) (GALV)

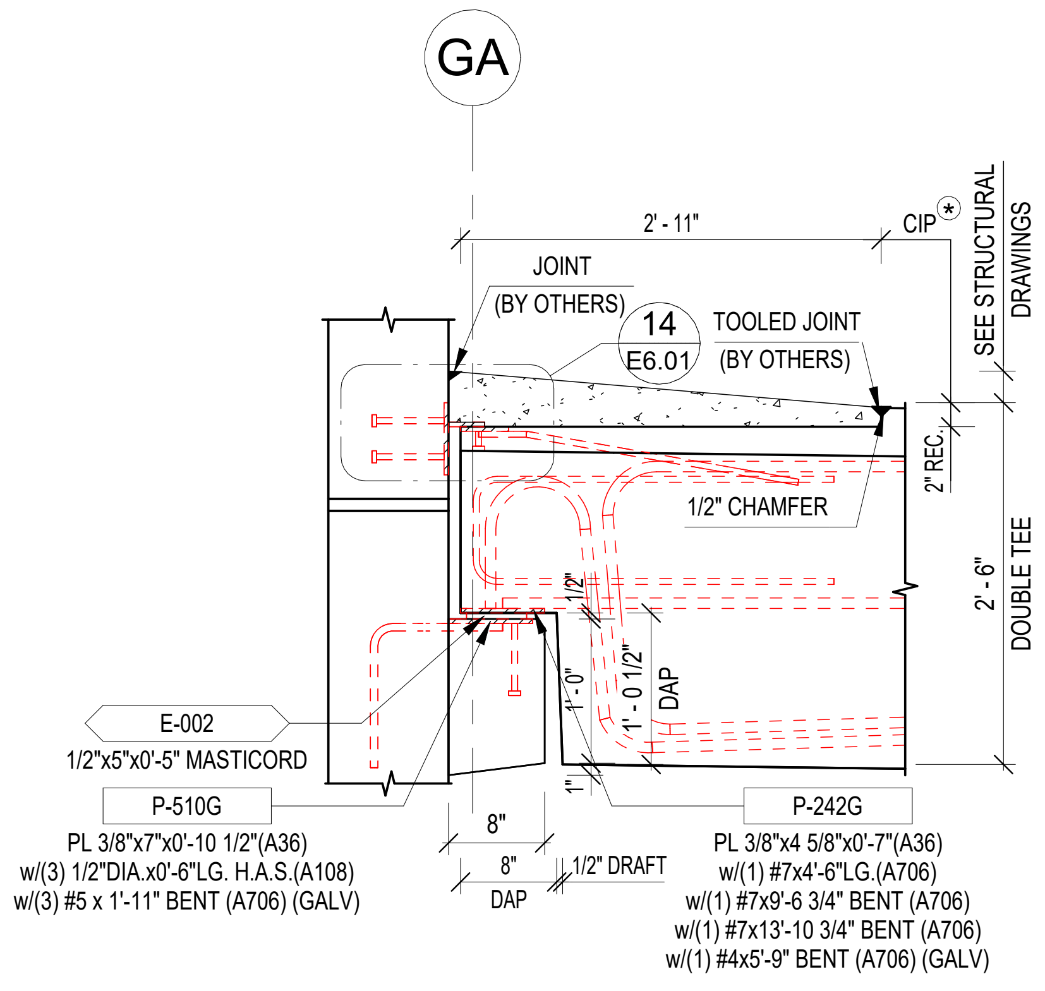
* SEE STRUCTURAL DRAWINGS FOR C.I.P. INFO, INCLUDING REINFORCEMENT STEEL (BY OTHERS)

8


10"
8"@SIM.
1" JT.
1
2' - 11"
CIP *
SEE STRUCTURAL DRAWINGS
JOINT
(BY OTHERS)
14
E6.01
TOOLED JOINT
(BY OTHERS)
2"
REC.
1/2" CHAMFER
2' - 6"
DOUBLE TEE
1/2"
1' - 0"
1"
8"
E-002
1/2"x5"x0'-5" MASTICORD
P-240G
PL 3/8"x3 1/2"x0'-6"(A36)
w/(1) #4x1'-0"LG.(A706)
w/(1) #7 x 3'-5" BENT (A706) (GALV)
Y-052G
PL 3/4"x7"x0'-10"(A36)
w/(2) PL 1/2"x7"x0'-8"(A36)
w/(1) 1/2"DIA.x0'-6"LG. H.A.S.(A108)
w/(6) 1/4"DIA.x0'-2"LG. H.A.S.(A108) (GALV)
SP-128G
PL 1/2"x11"x1'-0"(A36)
w/(4) #5x0'-7"x0'-10"
w/(2) #5x0'-8"x0'-10" (GALV)

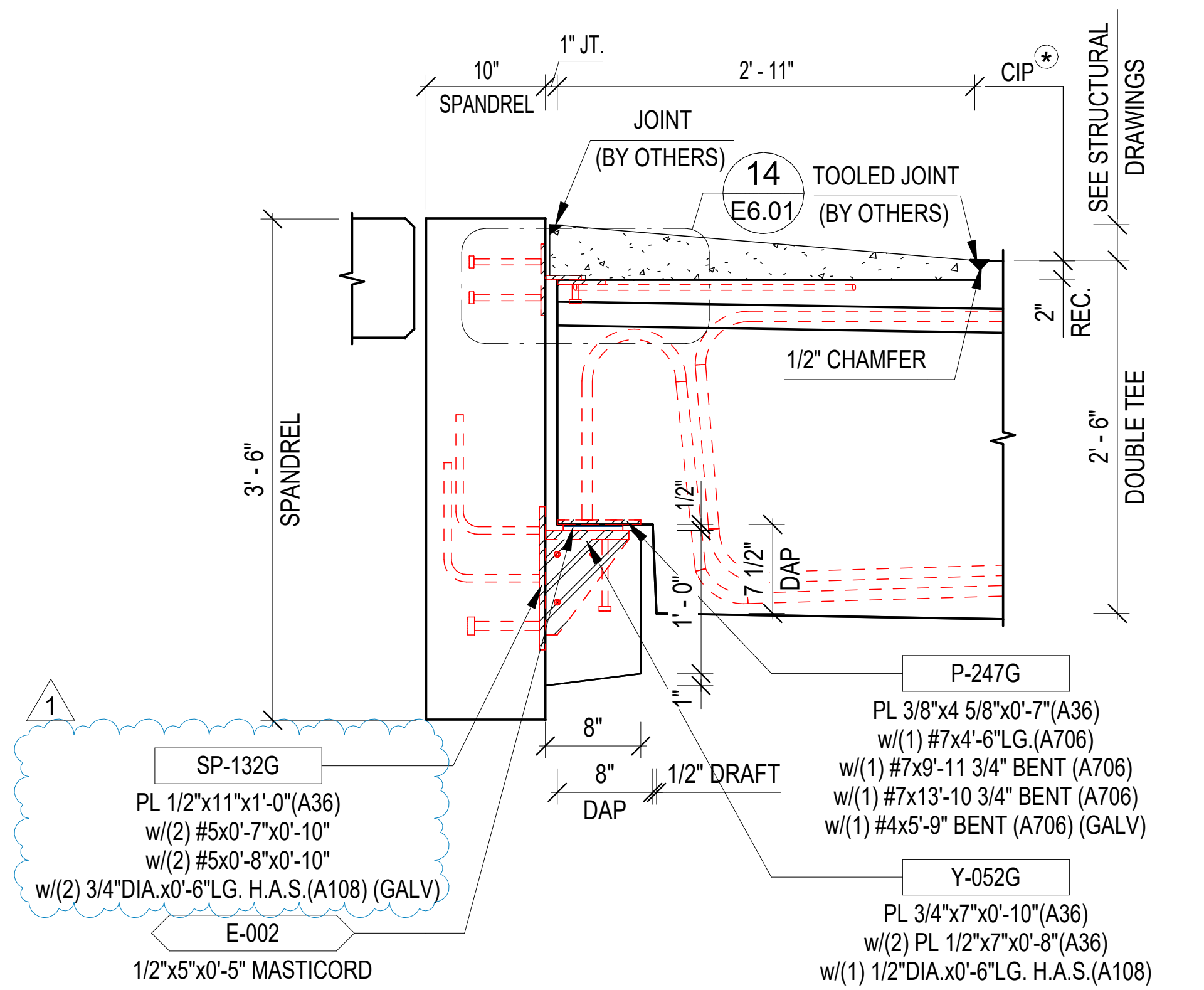
* SEE STRUCTURAL DRAWINGS FOR C.I.P. INFO, INCLUDING REINFORCEMENT STEEL (BY OTHERS)

9


GA
2' - 11"
CIP *
SEE STRUCTURAL DRAWINGS
JOINT
(BY OTHERS)
14
E6.01
TOOLED JOINT
(BY OTHERS)
2" REC.
1/2" CHAMFER
2' - 6"
DOUBLE TEE
1/2"
1' - 0"
1' - 0 1/2"
DAP
1"
E-002
1/2"x5"x0'-5" MASTICORD
P-510G
PL 3/8"x7"x0'-10 1/2"(A36)
w/(3) 1/2"DIA.x0'-6"LG. H.A.S.(A108)
w/(3) #5 x 1'-11" BENT (A706) (GALV)
8"
8"
DAP
1/2" DRAFT
P-242G
PL 3/8"x4 5/8"x0'-7"(A36)
w/(1) #7x4'-6"LG.(A706)
w/(1) #7x9'-6 3/4" BENT (A706)
w/(1) #7x13'-10 3/4" BENT (A706)
w/(1) #4x5'-9" BENT (A706) (GALV)

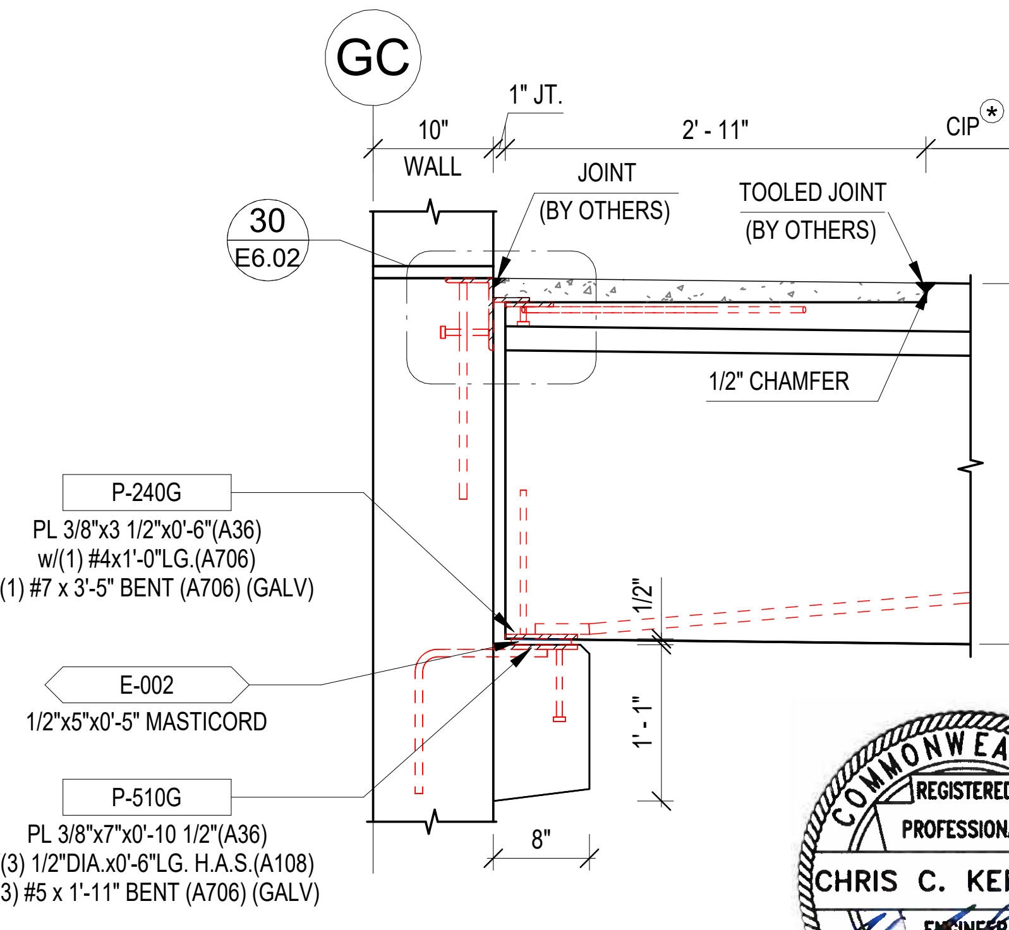
* SEE STRUCTURAL DRAWINGS FOR C.I.P. INFO, INCLUDING REINFORCEMENT STEEL (BY OTHERS)

10


1" JT.
10"
SPANDREL
2' - 11"
CIP *
SEE STRUCTURAL DRAWINGS
JOINT
(BY OTHERS)
14
E6.01
TOOLED JOINT
(BY OTHERS)
2"
REC.
1/2" CHAMFER
3' - 6"
SPANDREL
2' - 6"
DOUBLE TEE
1/2"
1' - 0"
7 1/2"
DAP
1"
1
SP-132G
PL 1/2"x11"x1'-0"(A36)
w/(2) #5x0'-7"x0'-10"
w/(2) #5x0'-8"x0'-10"
w/(2) 3/4"DIA.x0'-6"LG. H.A.S.(A108) (GALV)
E-002
1/2"x5"x0'-5" MASTICORD
8"
8"
DAP
1/2" DRAFT
P-247G
PL 3/8"x4 5/8"x0'-7"(A36)
w/(1) #7x4'-6"LG.(A706)
w/(1) #7x9'-11 3/4" BENT (A706)
w/(1) #7x13'-10 3/4" BENT (A706)
w/(1) #4x5'-9" BENT (A706) (GALV)
Y-052G
PL 3/4"x7"x0'-10"(A36)
w/(2) PL 1/2"x7"x0'-8"(A36)
w/(1) 1/2"DIA.x0'-6"LG. H.A.S.(A108)
w/(6) 1/4"DIA.x0'-2"LG. H.A.S.(A108) (GALV)

* SEE STRUCTURAL DRAWINGS FOR C.I.P. INFO, INCLUDING REINFORCEMENT STEEL (BY OTHERS)

11


GC
1" JT.
10"
WALL
2' - 11"
CIP *
30
E6.02
JOINT
(BY OTHERS)
TOOLED JOINT
(BY OTHERS)
2"
REC.
1/2" CHAMFER
2' - 6"
DOUBLE TEE
P-240G
PL 3/8"x3 1/2"x0'-6"(A36)
w/(1) #4x1'-0"LG.(A706)
w/(1) #7 x 3'-5" BENT (A706) (GALV)
1/2"
E-002
1/2"x5"x0'-5" MASTICORD
1' - 1"
P-510G
PL 3/8"x7"x0'-10 1/2"(A36)
w/(3) 1/2"DIA.x0'-6"LG. H.A.S.(A108)
w/(3) #5 x 1'-11" BENT (A706) (GALV)
8"

CHRIS C. KERCSMAR
PE062269
2/22/23

* SEE STRUCTURAL DRAWINGS FOR C.I.P. INFO, INCLUDING REINFORCEMENT STEEL (BY OTHERS)

12

DRAWN BY: OVB
CHECKED BY:
DATE: 10/21/22

SUBMITTALS/REVISIONS:

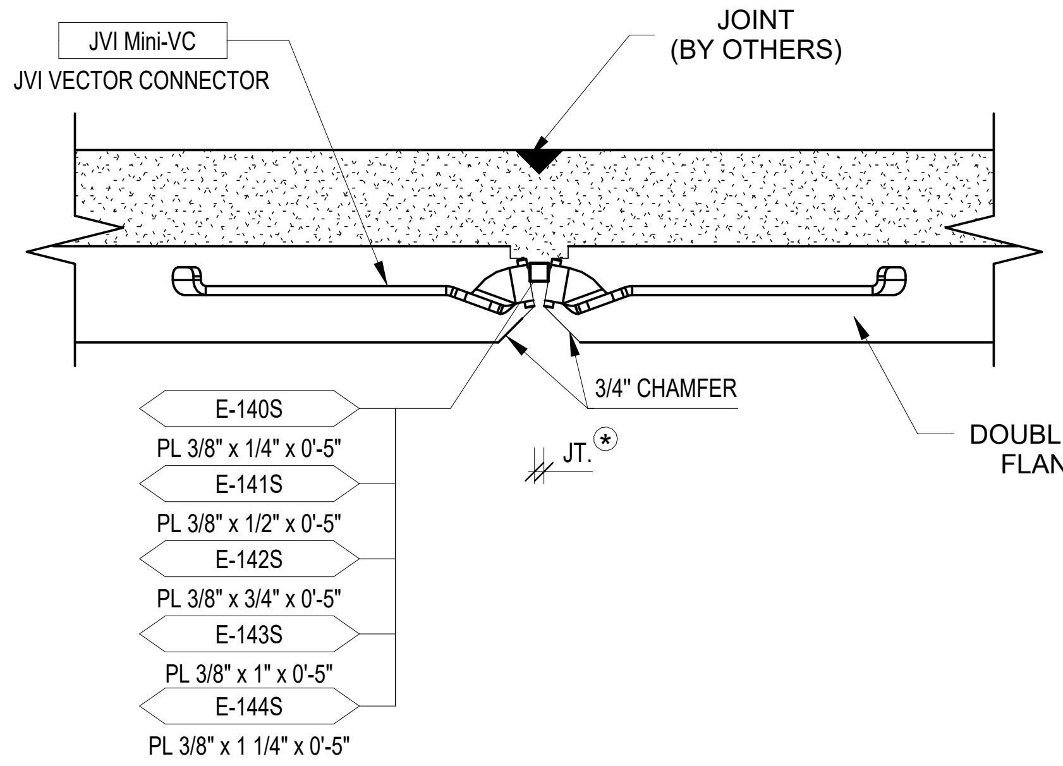
A	FOR REFERENCE	12/15/22
1	REVISION FOR RECORD 1	12/27/22

The CONSULTING ENGINEERS GROUP Inc.
16302 Pleasantville Road – SUITE 100 – SAN ANTONIO, TX 78233
210 637-0977 FAX 210 637-1172 E-MAIL engineers@cegtex.com

PROJECT:
GRANITE RUN PHASE II
MIDDLETOWN TOWNSHIP, PA
SECTIONS AND DETAILS (1-12)

JERSEY PRECAST
853 NOTTINGHAM WAY
HAMILTON TOWNSHIP, NJ 08638
PH: 609-689-3700 FAX: 609-689-3797

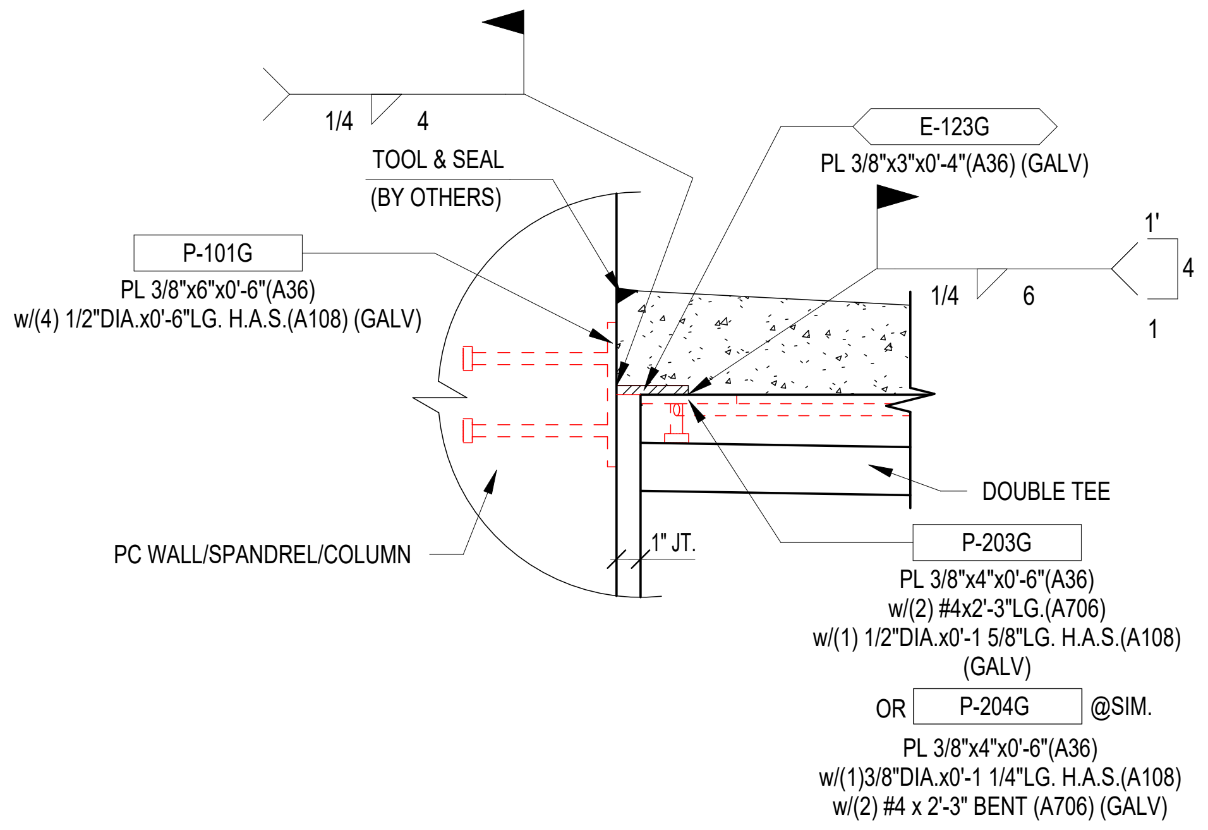
CEG JOB NO.
22551
JOB NO.
22040
SHEET NO.
E6.00


JVI Mini-VC
JVI VECTOR CONNECTOR
JOINT
(BY OTHERS)
3/4" CHAMFER
JT.*
DOUBLE TEE
FLANGE
E-140S
PL 3/8" x 1/4" x 0'-5"
E-141S
PL 3/8" x 1/2" x 0'-5"
E-142S
PL 3/8" x 3/4" x 0'-5"
E-143S
PL 3/8" x 1" x 0'-5"
E-144S
PL 3/8" x 1 1/4" x 0'-5"

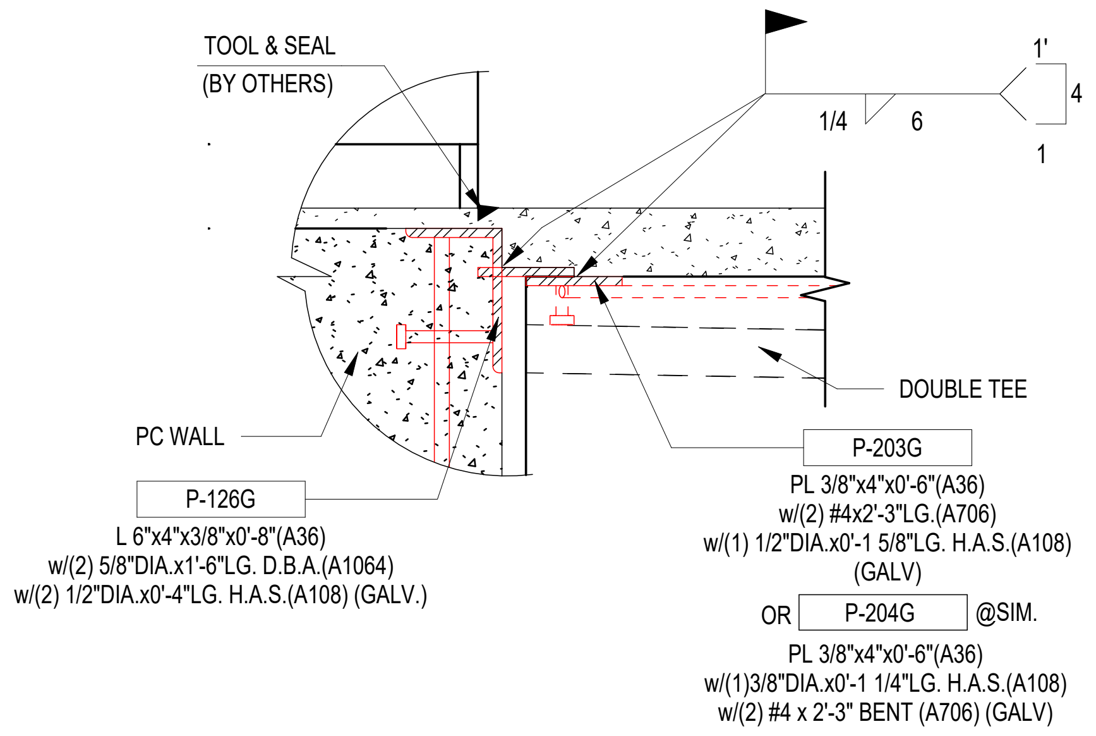
NOTES:

1. TOP OF DOUBLE TEE FLANGES WILL HAVE DIFFERENT ELEVATIONS DUE TO VARIABLE CAMBER IN DOUBLE TEES.
2. THE ERECTOR SHALL POSITION DOUBLE TEES TO ALIGN FLANGES TO A MAXIMUS TOP SURFACE DIFFERENTIAL OF 1/4".
3. JOINT TREATMENT BETWEEN DOUBLE TEES TO BE BY OTHERS.
4. CONTRACTOR REFER TO STRUCTURAL DRAWINGS FOR CONTROL JTS. AND OTHER ITEMS IN TOPPING.
5. ⊛ERECTOR TO ADJUST JOINT WIDTH ALONG THE RAMP SUCH THAT CONSISTENT WIDTHS ARE PROVIDED.

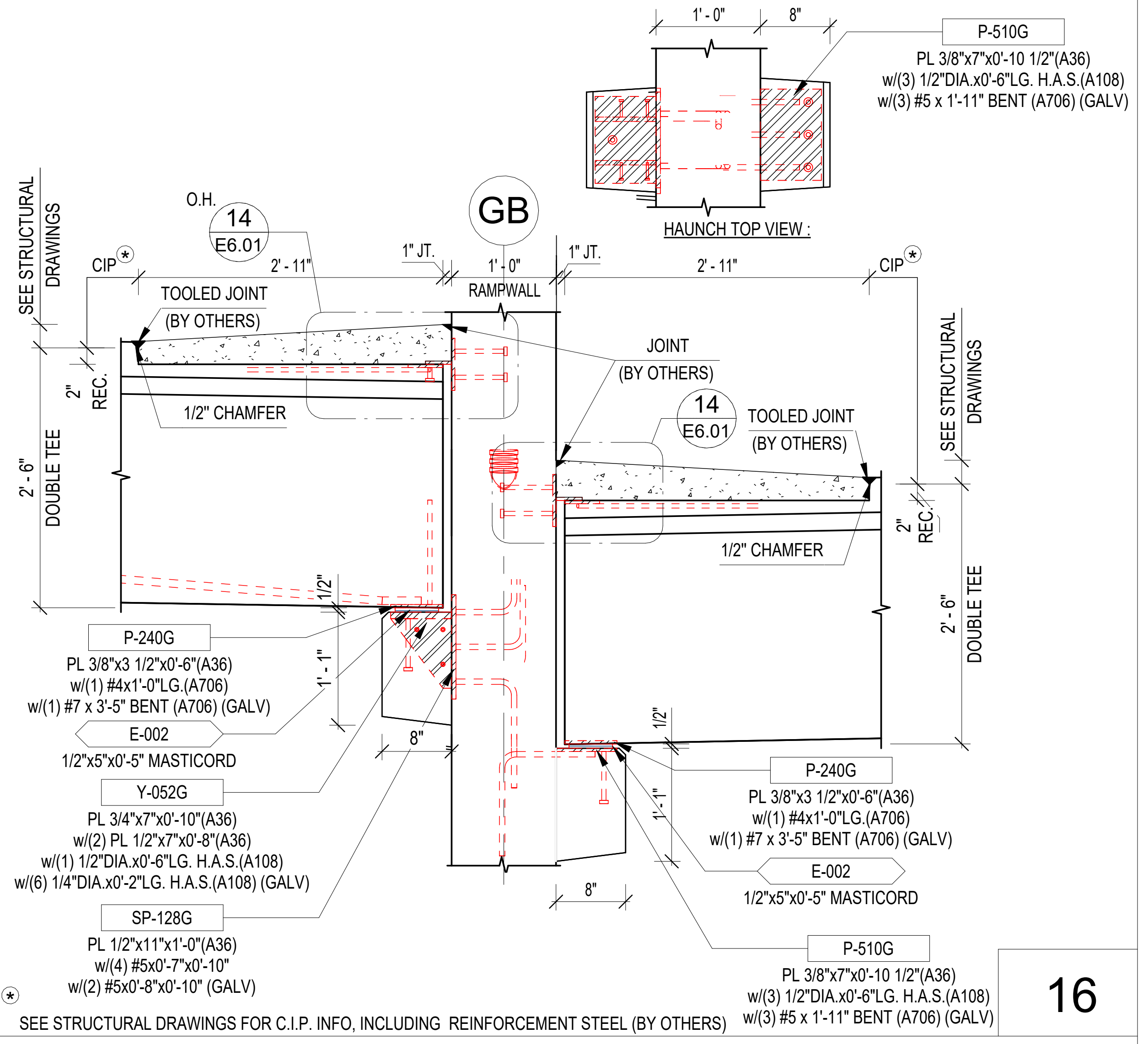
13


1/4 4
TOOL & SEAL
(BY OTHERS)
E-123G
PL 3/8"x3"x0'-4"(A36) (GALV)
P-101G
PL 3/8"x6"x0'-6"(A36)
w/(4) 1/2"DIA.x0'-6"LG. H.A.S.(A108) (GALV)
1/4 6
1'
4
1
DOUBLE TEE
PC WALL/SPANDREL/COLUMN
1" JT.
P-203G
PL 3/8"x4"x0'-6"(A36)
w/(2) #4x2'-3"LG.(A706)
w/(1) 1/2"DIA.x0'-1 5/8"LG. H.A.S.(A108)
(GALV)
OR P-204G @SIM.
PL 3/8"x4"x0'-6"(A36)
w/(1)3/8"DIA.x0'-1 1/4"LG. H.A.S.(A108)
w/(2) #4 x 2'-3" BENT (A706) (GALV)

14

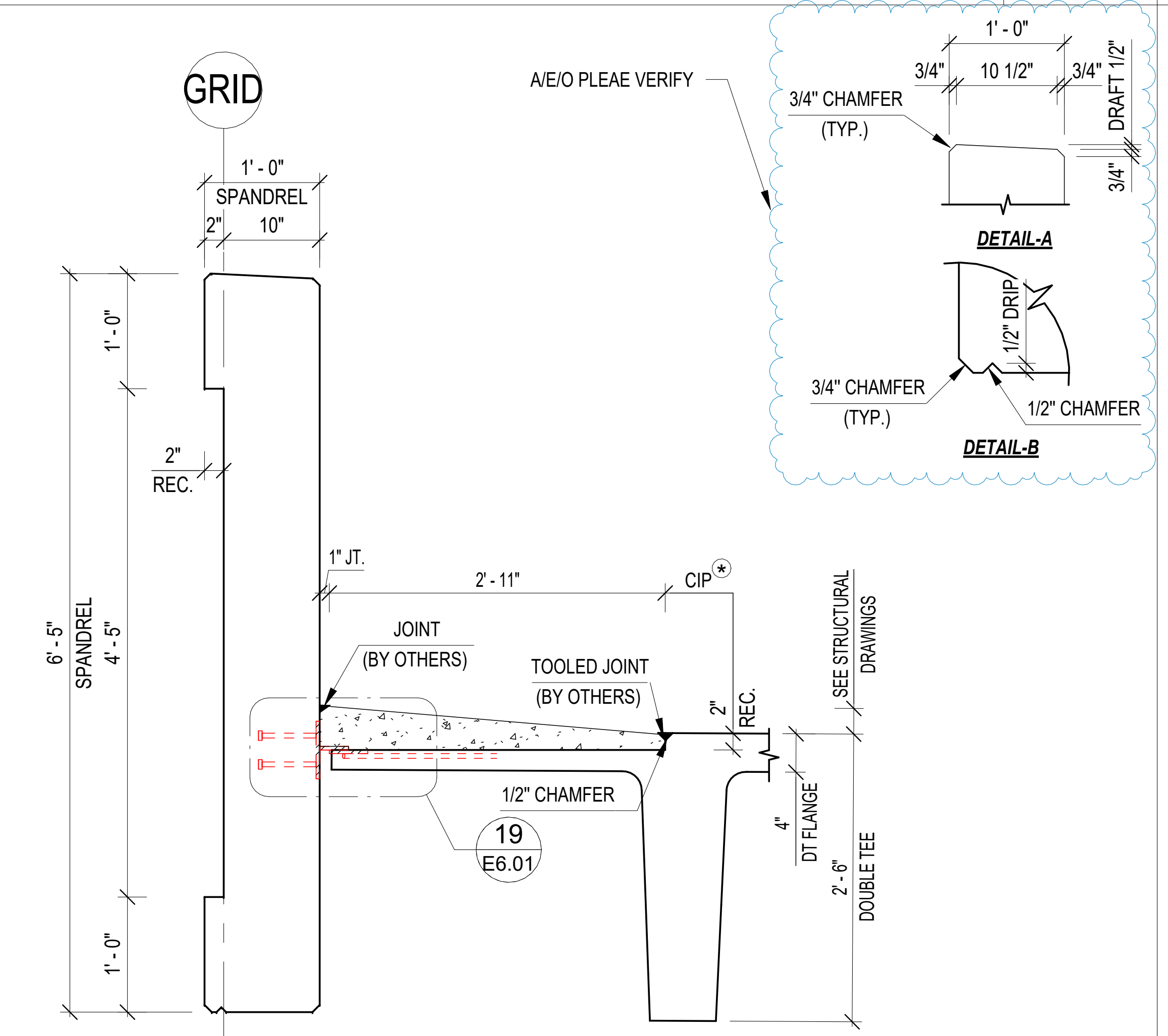

TOOL & SEAL
(BY OTHERS)
1/4 6
1'
4
1
DOUBLE TEE
PC WALL
P-126G
L 6"x4"x3/8"x0'-8"(A36)
w/(2) 5/8"DIA.x1'-6"LG. D.B.A.(A1064)
w/(2) 1/2"DIA.x0'-4"LG. H.A.S.(A108) (GALV.)
P-203G
PL 3/8"x4"x0'-6"(A36)
w/(2) #4x2'-3"LG.(A706)
w/(1) 1/2"DIA.x0'-1 5/8"LG. H.A.S.(A108)
(GALV)
OR P-204G @SIM.
PL 3/8"x4"x0'-6"(A36)
w/(1)3/8"DIA.x0'-1 1/4"LG. H.A.S.(A108)
w/(2) #4 x 2'-3" BENT (A706) (GALV)

15


1'-0"
8"
P-510G
PL 3/8"x7"x0'-10 1/2"(A36)
w/(3) 1/2"DIA.x0'-6"LG. H.A.S.(A108)
w/(3) #5 x 1'-11" BENT (A706) (GALV)
HAUNCH TOP VIEW :
SEE STRUCTURAL DRAWINGS
O.H.
14
E6.01
GB
CIP*
2'-11"
1" JT.
1'-0"
RAMPWALL
TOOLED JOINT
(BY OTHERS)
2"
REC.
1/2" CHAMFER
2'-6"
DOUBLE TEE
JOINT
(BY OTHERS)
14
E6.01
TOOLED JOINT
(BY OTHERS)
SEE STRUCTURAL DRAWINGS
2"
REC.
1/2" CHAMFER
2'-6"
DOUBLE TEE
1/2"
1'-1"
8"
P-240G
PL 3/8"x3 1/2"x0'-6"(A36)
w/(1) #4x1'-0"LG.(A706)
w/(1) #7 x 3'-5" BENT (A706) (GALV)
E-002
1/2"x5"x0'-5" MASTICORD
Y-052G
PL 3/4"x7"x0'-10"(A36)
w/(2) PL 1/2"x7"x0'-8"(A36)
w/(1) 1/2"DIA.x0'-6"LG. H.A.S.(A108)
w/(6) 1/4"DIA.x0'-2"LG. H.A.S.(A108) (GALV)
SP-128G
PL 1/2"x11"x1'-0"(A36)
w/(4) #5x0'-7"x0'-10"
w/(2) #5x0'-8"x0'-10" (GALV)
P-240G
PL 3/8"x3 1/2"x0'-6"(A36)
w/(1) #4x1'-0"LG.(A706)
w/(1) #7 x 3'-5" BENT (A706) (GALV)
E-002
1/2"x5"x0'-5" MASTICORD
P-510G
PL 3/8"x7"x0'-10 1/2"(A36)
w/(3) 1/2"DIA.x0'-6"LG. H.A.S.(A108)
w/(3) #5 x 1'-11" BENT (A706) (GALV)

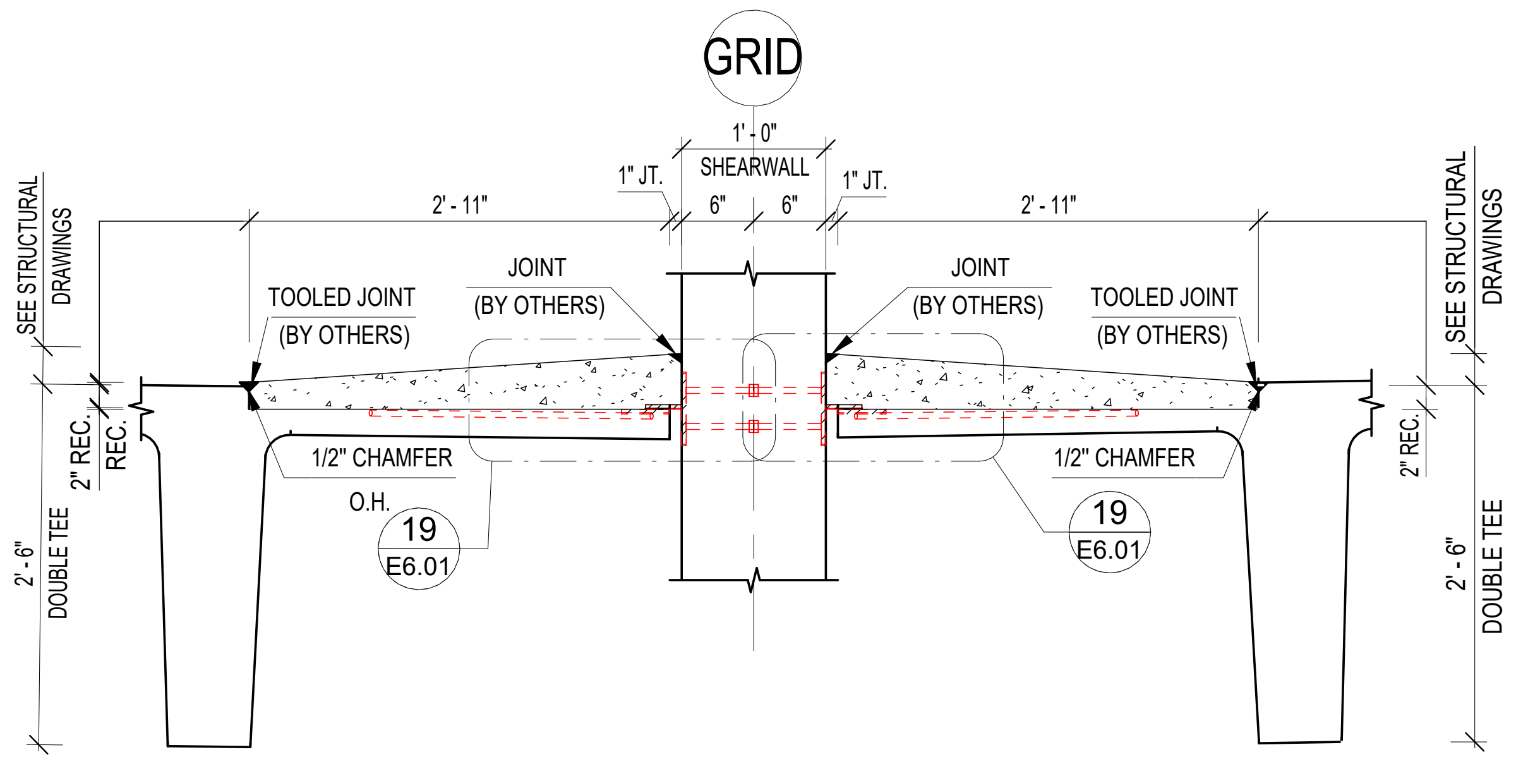
⊛ SEE STRUCTURAL DRAWINGS FOR C.I.P. INFO, INCLUDING REINFORCEMENT STEEL (BY OTHERS)

16


GRID
A/E/O PLEAE VERIFY
1'-0"
3/4"
10 1/2"
3/4"
3/4" CHAMFER
(TYP.)
DRAFT 1/2"
3/4"
DETAIL-A
1/2" DRIP
3/4" CHAMFER
(TYP.)
1/2" CHAMFER
DETAIL-B
1'-0"
SPANDREL
2"
10"
1'-0"
2"
REC.
6'-5"
SPANDREL
4'-5"
1'-0"
1" JT.
2'-11"
CIP*
JOINT
(BY OTHERS)
TOOLED JOINT
(BY OTHERS)
2"
REC.
SEE STRUCTURAL DRAWINGS
1/2" CHAMFER
19
E6.01
4"
DT FLANGE
2'-6"
DOUBLE TEE

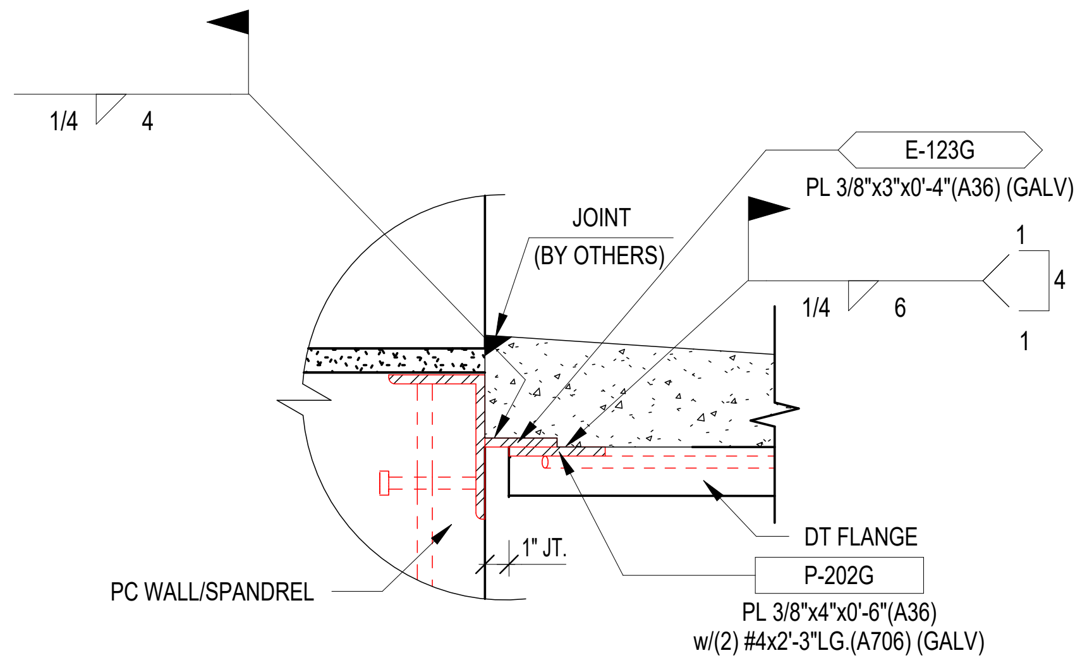
⊛ SEE STRUCTURAL DRAWINGS FOR C.I.P. INFO, INCLUDING REINFORCEMENT STEEL (BY OTHERS)

17

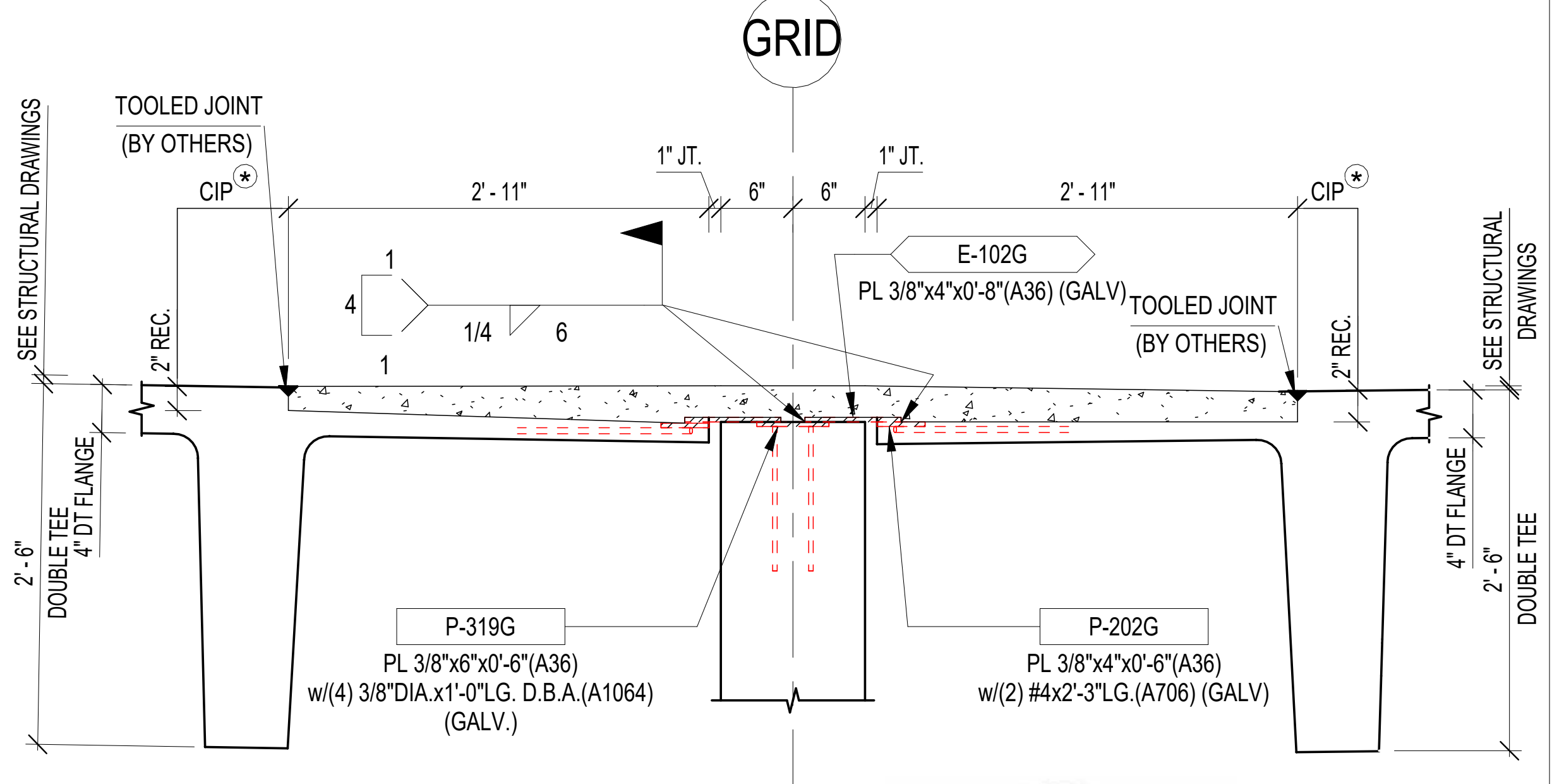

GRID
1'-0"
SHEARWALL
1" JT.
6"
6"
1" JT.
2'-11"
2'-11"
SEE STRUCTURAL DRAWINGS
TOOLED JOINT
(BY OTHERS)
JOINT
(BY OTHERS)
JOINT
(BY OTHERS)
TOOLED JOINT
(BY OTHERS)
SEE STRUCTURAL DRAWINGS
2" REC.
REC.
1/2" CHAMFER
O.H.
19
E6.01
1/2" CHAMFER
19
E6.01
2" REC.
2'-6"
DOUBLE TEE
2'-6"
DOUBLE TEE

⊛ SEE STRUCTURAL DRAWINGS FOR C.I.P. INFO, INCLUDING REINFORCEMENT STEEL (BY OTHERS)

18


1/4 4
E-123G
PL 3/8"x3"x0'-4"(A36) (GALV)
JOINT
(BY OTHERS)
1/4 6
1
4
1
DT FLANGE
PC WALL/SPANDREL
1" JT.
P-202G
PL 3/8"x4"x0'-6"(A36)
w/(2) #4x2'-3"LG.(A706) (GALV)

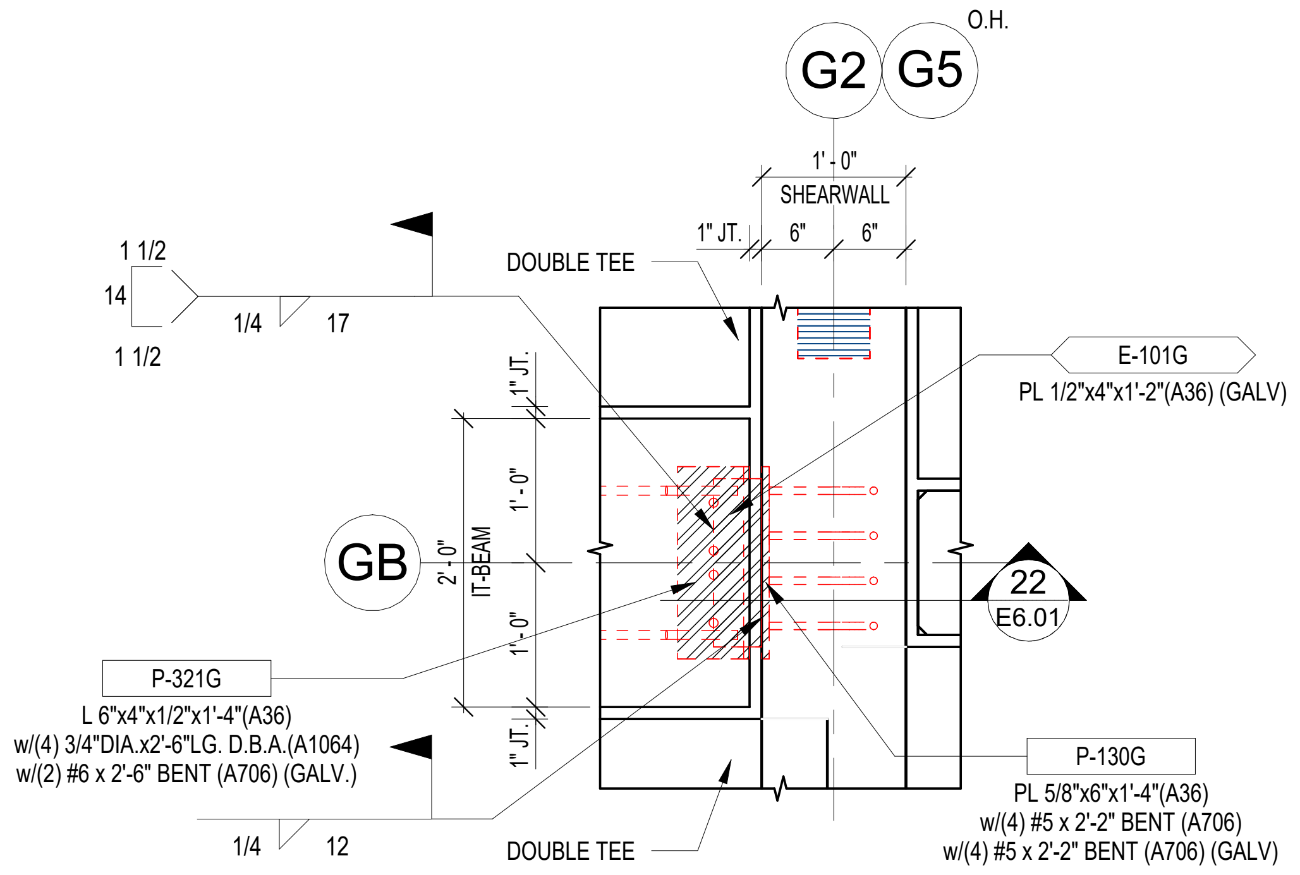
19


GRID
SEE STRUCTURAL DRAWINGS
TOOLED JOINT
(BY OTHERS)
CIP*
2'-11"
1" JT.
6"
6"
1" JT.
2'-11"
CIP*
1
4
1/4 6
1
E-102G
PL 3/8"x4"x0'-8"(A36) (GALV)
TOOLED JOINT
(BY OTHERS)
2" REC.
2" REC.
SEE STRUCTURAL DRAWINGS
2'-6"
DOUBLE TEE
4" DT FLANGE
4" DT FLANGE
2'-6"
DOUBLE TEE
P-319G
PL 3/8"x6"x0'-6"(A36)
w/(4) 3/8"DIA.x1'-0"LG. D.B.A.(A1064)
(GALV.)
P-202G
PL 3/8"x4"x0'-6"(A36)
w/(2) #4x2'-3"LG.(A706) (GALV)

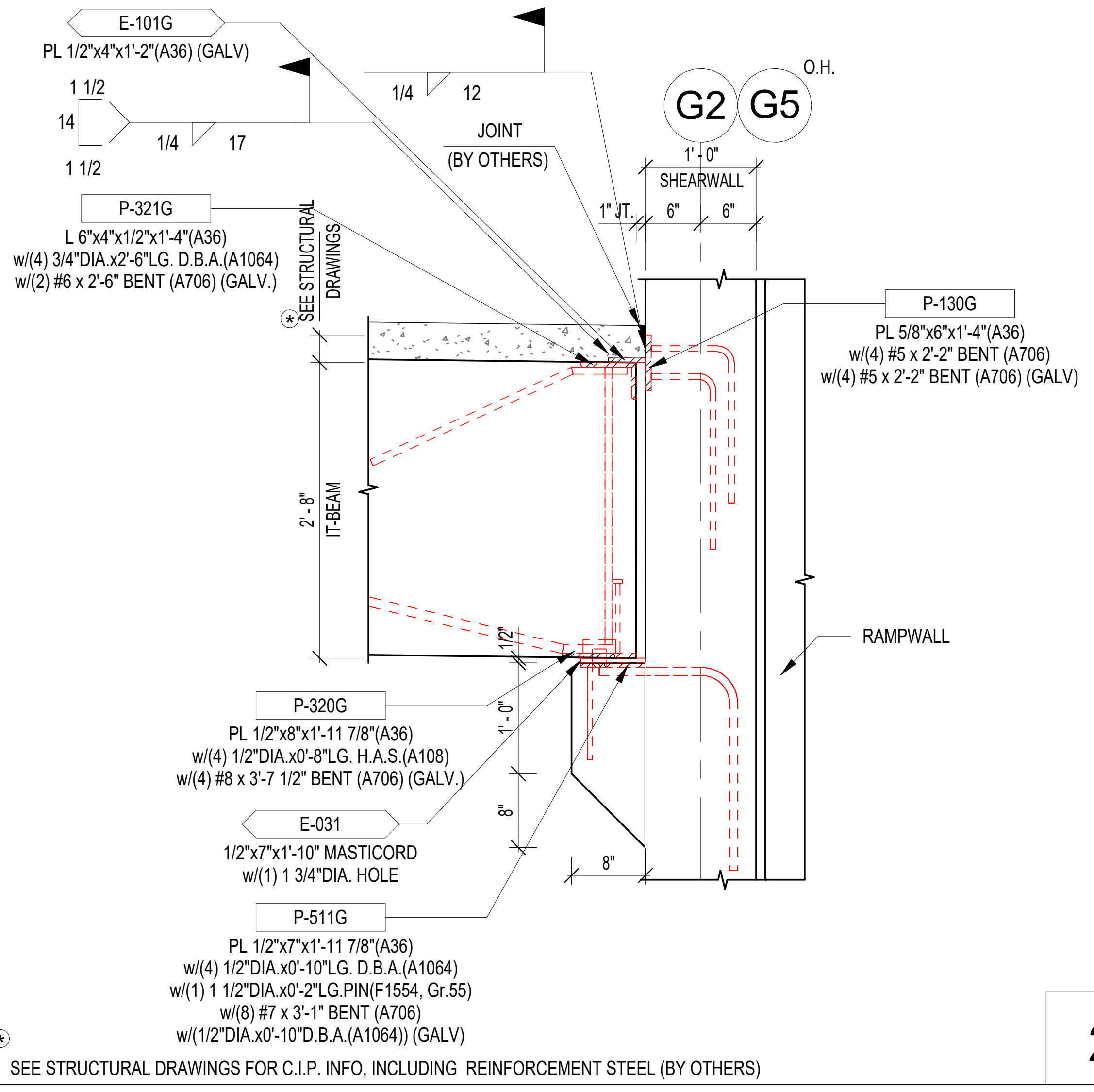
COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL ENGINEER
CHRIS C. KERCSMAR
PE062269
2/22/2

⊛ SEE STRUCTURAL DRAWINGS FOR C.I.P. INFO, INCLUDING REINFORCEMENT STEEL (BY OTHERS)

20

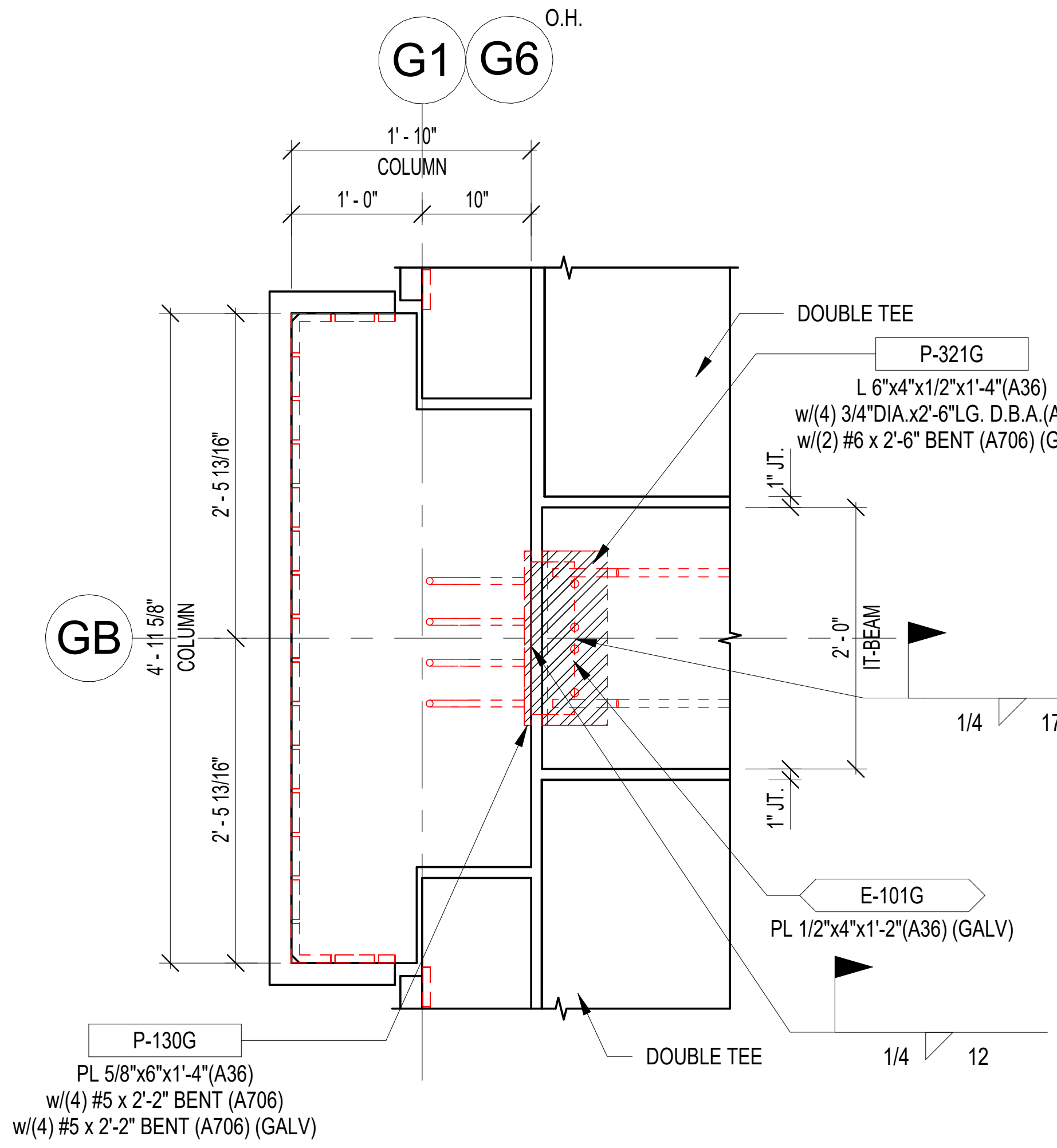

G2
G5
O.H.
1'-0"
SHEARWALL
1" JT.
6"
6"
1 1/2
14
1 1/2
1/4 17
DOUBLE TEE
E-101G
PL 1/2"x4"x1'-2"(A36) (GALV)
1" JT.
1'-0"
GB
2'-0"
IT-BEAM
1'-0"
1" JT.
22
E6.01
P-321G
L 6"x4"x1/2"x1'-4"(A36)
w/(4) 3/4"DIA.x2'-6"LG. D.B.A.(A1064)
w/(2) #6 x 2'-6" BENT (A706) (GALV.)
1/4 12
DOUBLE TEE
P-130G
PL 5/8"x6"x1'-4"(A36)
w/(4) #5 x 2'-2" BENT (A706)
w/(4) #5 x 2'-2" BENT (A706) (GALV)

21

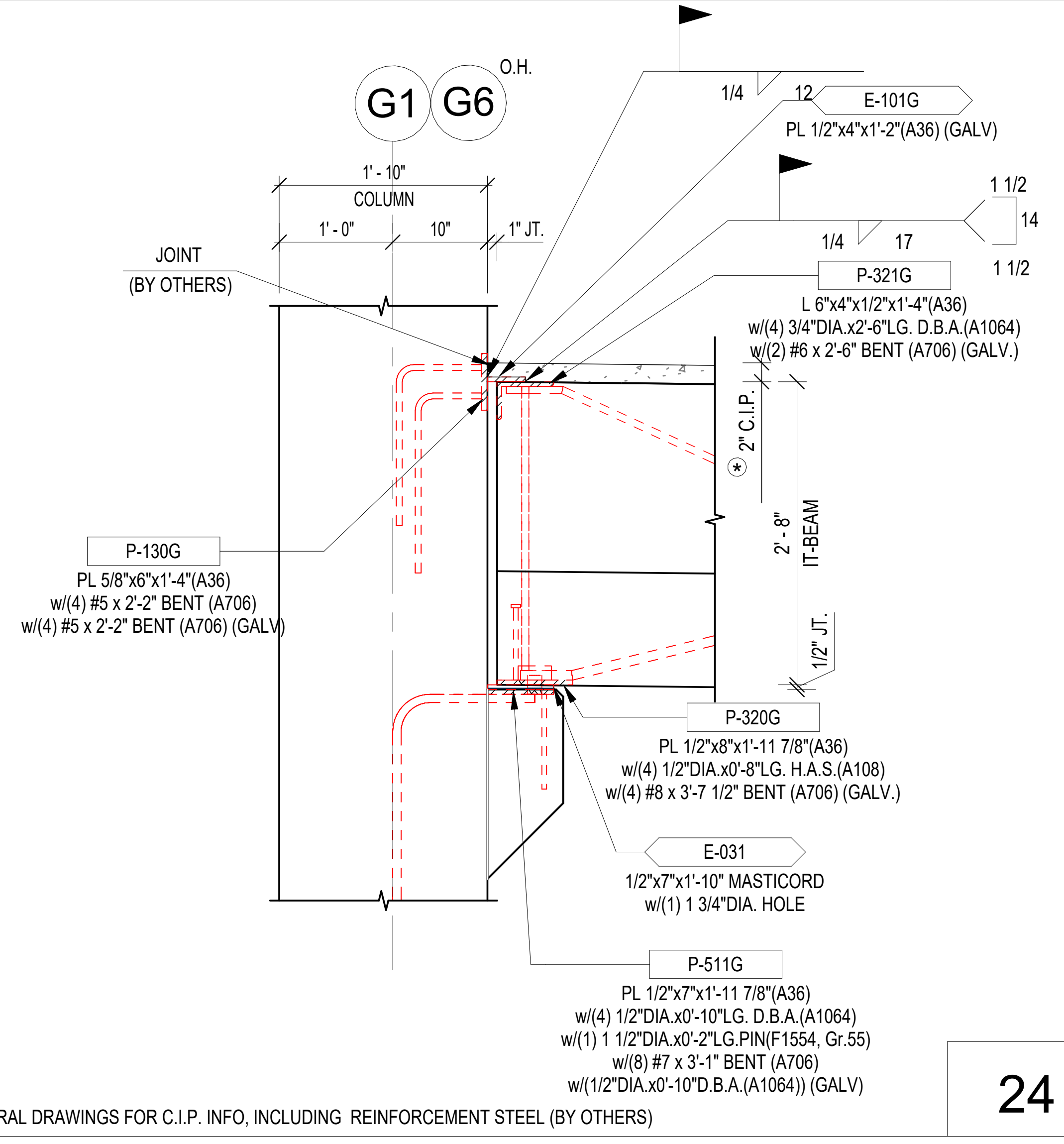

E-101G
PL 1/2"x4"x1'-2"(A36) (GALV)
1 1/2
14
1 1/2
1/4 17
1/4 12
JOINT
(BY OTHERS)
G2
G5
O.H.
1'-0"
SHEARWALL
1" JT.
6"
6"
P-321G
L 6"x4"x1/2"x1'-4"(A36)
w/(4) 3/4"DIA.x2'-6"LG. D.B.A.(A1064)
w/(2) #6 x 2'-6" BENT (A706) (GALV.)
SEE STRUCTURAL DRAWINGS
P-130G
PL 5/8"x6"x1'-4"(A36)
w/(4) #5 x 2'-2" BENT (A706)
w/(4) #5 x 2'-2" BENT (A706) (GALV)
2'-8"
IT-BEAM
RAMPWALL
1/2"
1'-0"
8"
8"
P-320G
PL 1/2"x8"x1'-11 7/8"(A36)
w/(4) 1/2"DIA.x0'-8"LG. H.A.S.(A108)
w/(4) #8 x 3'-7 1/2" BENT (A706) (GALV.)
E-031
1/2"x7"x1'-10" MASTICORD
w/(1) 1 3/4"DIA. HOLE
P-511G
PL 1/2"x7"x1'-11 7/8"(A36)
w/(4) 1/2"DIA.x0'-10"LG. D.B.A.(A1064)
w/(1) 1 1/2"DIA.x0'-2"LG.PIN(F1554, Gr.55)
w/(8) #7 x 3'-1" BENT (A706)
w/(1/2"DIA.x0'-10"D.B.A.(A1064)) (GALV)

⊛ SEE STRUCTURAL DRAWINGS FOR C.I.P. INFO, INCLUDING REINFORCEMENT STEEL (BY OTHERS)

22


G1
G6
O.H.
1'-10"
COLUMN
1'-0"
10"
DOUBLE TEE
P-321G
L 6"x4"x1/2"x1'-4"(A36)
w/(4) 3/4"DIA.x2'-6"LG. D.B.A.(A1064)
w/(2) #6 x 2'-6" BENT (A706) (GALV.)
2'-5 13/16"
GB
4'-11 5/8"
COLUMN
2'-5 13/16"
1" JT.
2'-0"
IT-BEAM
1 1/2
14
1 1/2
1/4 17
1" JT.
E-101G
PL 1/2"x4"x1'-2"(A36) (GALV)
P-130G
PL 5/8"x6"x1'-4"(A36)
w/(4) #5 x 2'-2" BENT (A706)
w/(4) #5 x 2'-2" BENT (A706) (GALV)
DOUBLE TEE
1/4 12

23


G1
G6
O.H.
1/4 12
E-101G
PL 1/2"x4"x1'-2"(A36) (GALV)
1'-10"
COLUMN
1'-0"
10"
1" JT.
1 1/2
14
1 1/2
1/4 17
JOINT
(BY OTHERS)
P-321G
L 6"x4"x1/2"x1'-4"(A36)
w/(4) 3/4"DIA.x2'-6"LG. D.B.A.(A1064)
w/(2) #6 x 2'-6" BENT (A706) (GALV.)
2" C.I.P.*
2'-8"
IT-BEAM
1/2" JT.
P-130G
PL 5/8"x6"x1'-4"(A36)
w/(4) #5 x 2'-2" BENT (A706)
w/(4) #5 x 2'-2" BENT (A706) (GALV)
P-320G
PL 1/2"x8"x1'-11 7/8"(A36)
w/(4) 1/2"DIA.x0'-8"LG. H.A.S.(A108)
w/(4) #8 x 3'-7 1/2" BENT (A706) (GALV.)
E-031
1/2"x7"x1'-10" MASTICORD
w/(1) 1 3/4"DIA. HOLE
P-511G
PL 1/2"x7"x1'-11 7/8"(A36)
w/(4) 1/2"DIA.x0'-10"LG. D.B.A.(A1064)
w/(1) 1 1/2"DIA.x0'-2"LG.PIN(F1554, Gr.55)
w/(8) #7 x 3'-1" BENT (A706)
w/(1/2"DIA.x0'-10"D.B.A.(A1064)) (GALV)

⊛ SEE STRUCTURAL DRAWINGS FOR C.I.P. INFO, INCLUDING REINFORCEMENT STEEL (BY OTHERS)

24

DRAWN BY: OVB
CHECKED BY:
DATE: 10/21/22

SUBMITTALS/REVISIONS:

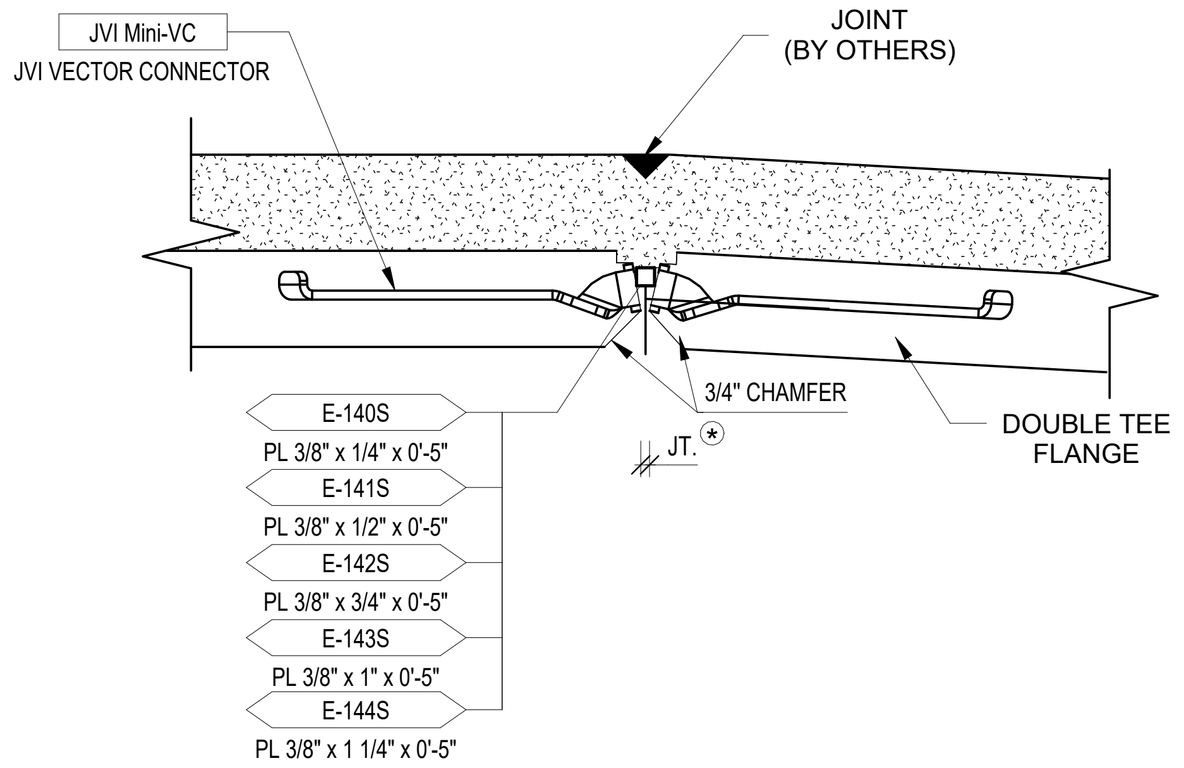
A	FOR REFERENCE	12/15/22
1	REVISION FOR RECORD 1	12/27/22

The CONSULTING ENGINEERS GROUP Inc.
16302 Pleasantville Road – SUITE 100 – SAN ANTONIO, TX 78233
210 637-0977 FAX 210 637-1172 E-MAIL engineers@cegtex.com

PROJECT:
GRANITE RUN PHASE II
MIDDLETOWN TOWNSHIP, PA
SECTIONS AND DETAILS (13-24)

JERSEY PRECAST
853 NOTTINGHAM WAY
HAMILTON TOWNSHIP, NJ 08638
PH: 609-689-3700 FAX: 609-689-3797

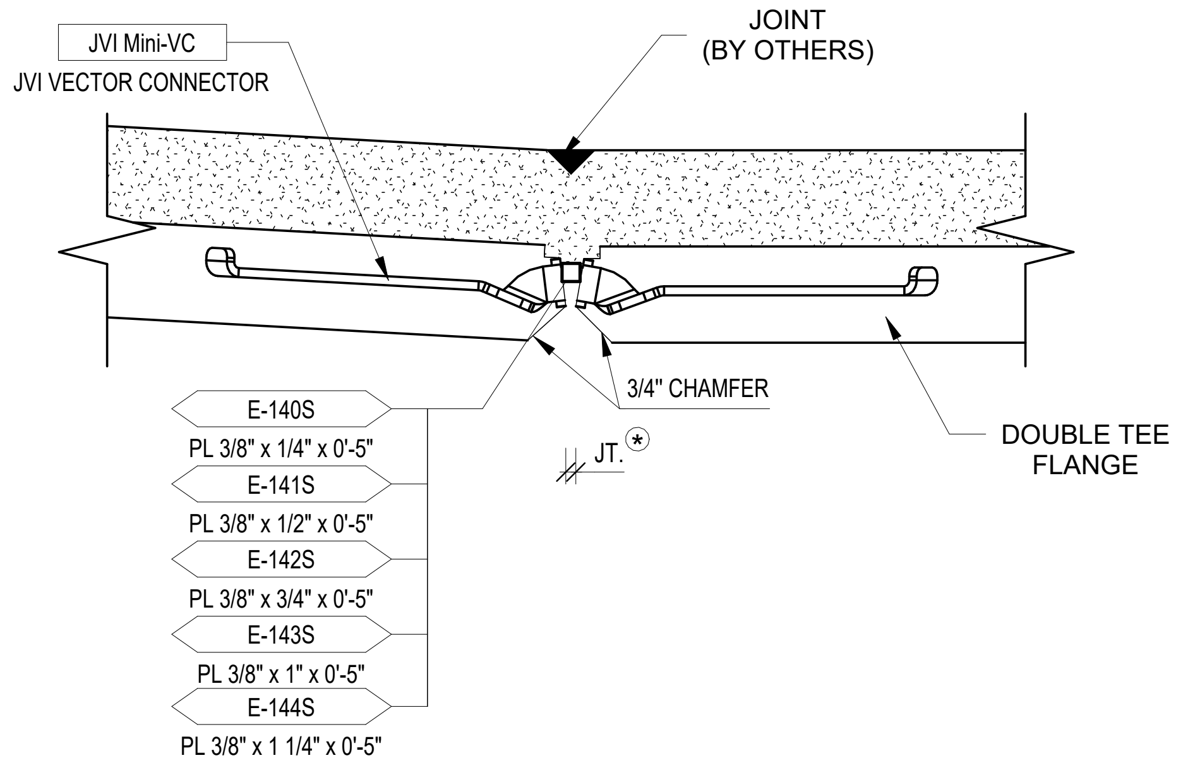
CEG JOB NO. 22551
JOB NO. 22040
SHEET NO. E6.01


JVI Mini-VC
JVI VECTOR CONNECTOR
JOINT
(BY OTHERS)
3/4" CHAMFER
JT. ⊛
DOUBLE TEE
FLANGE
E-140S
PL 3/8" x 1/4" x 0'-5"
E-141S
PL 3/8" x 1/2" x 0'-5"
E-142S
PL 3/8" x 3/4" x 0'-5"
E-143S
PL 3/8" x 1" x 0'-5"
E-144S
PL 3/8" x 1 1/4" x 0'-5"

NOTES:

1. TOP OF DOUBLE TEE FLANGES WILL HAVE DIFFERENT ELEVATIONS DUE TO VARIABLE CAMBER IN DOUBLE TEES.
2. THE ERECTOR SHALL POSITION DOUBLE TEES TO ALIGN FLANGES TO A MAXIMUS TOP SURFACE DIFFERENTIAL OF 1/4".
3. JOINT TREATMENT BETWEEN DOUBLE TEES TO BE BY OTHERS.
4. CONTRACTOR REFER TO STRUCTURAL DRAWINGS FOR CONTROL JTS. AND OTHER ITEMS IN TOPPING.
5. ⊛ ERECTOR TO ADJUST JOINT WIDTH ALONG THE RAMP SUCH THAT CONSISTENT WIDTHS ARE PROVIDED.

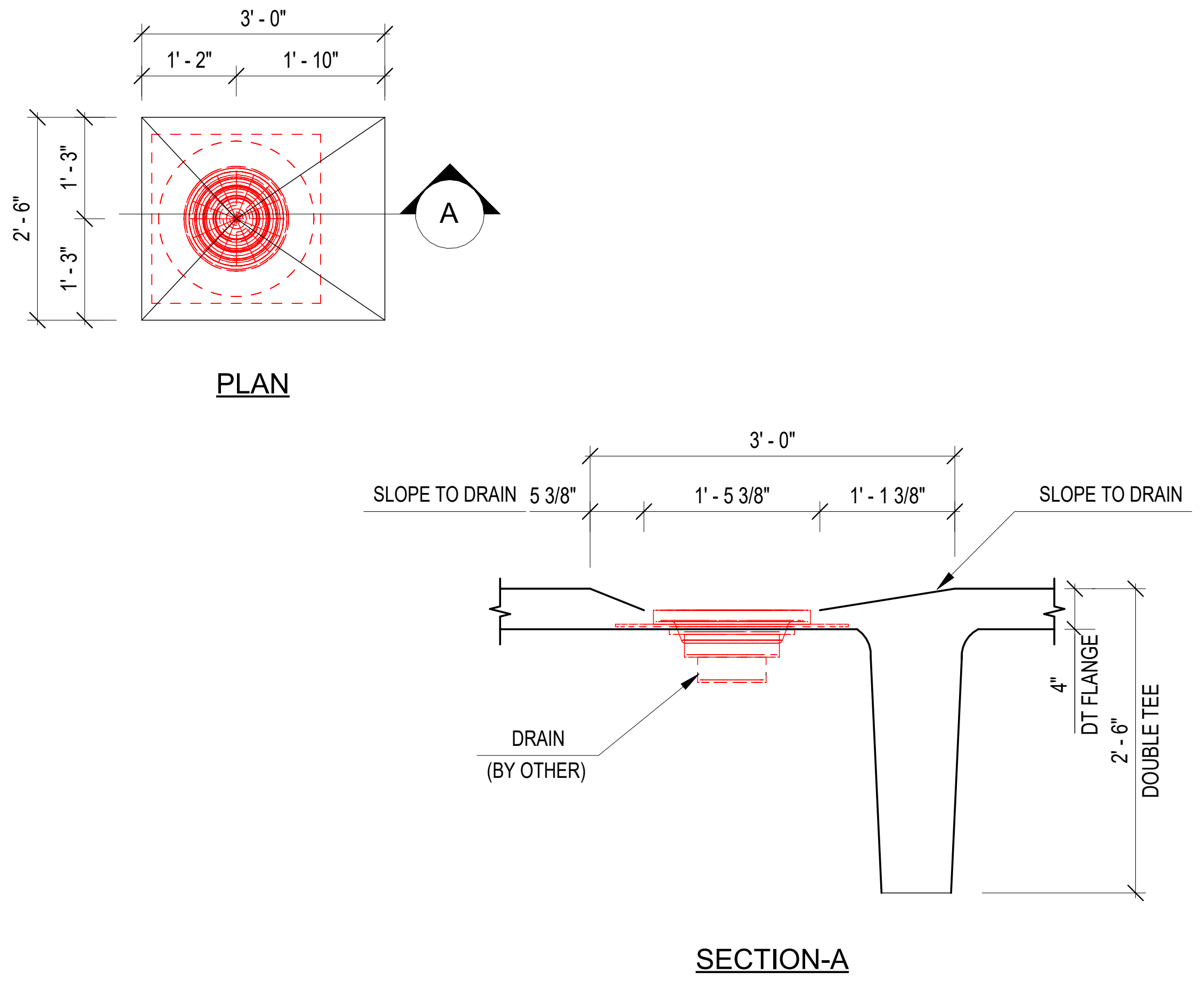
25


JVI Mini-VC
JVI VECTOR CONNECTOR
JOINT
(BY OTHERS)
3/4" CHAMFER
JT. ⊛
DOUBLE TEE
FLANGE
E-140S
PL 3/8" x 1/4" x 0'-5"
E-141S
PL 3/8" x 1/2" x 0'-5"
E-142S
PL 3/8" x 3/4" x 0'-5"
E-143S
PL 3/8" x 1" x 0'-5"
E-144S
PL 3/8" x 1 1/4" x 0'-5"

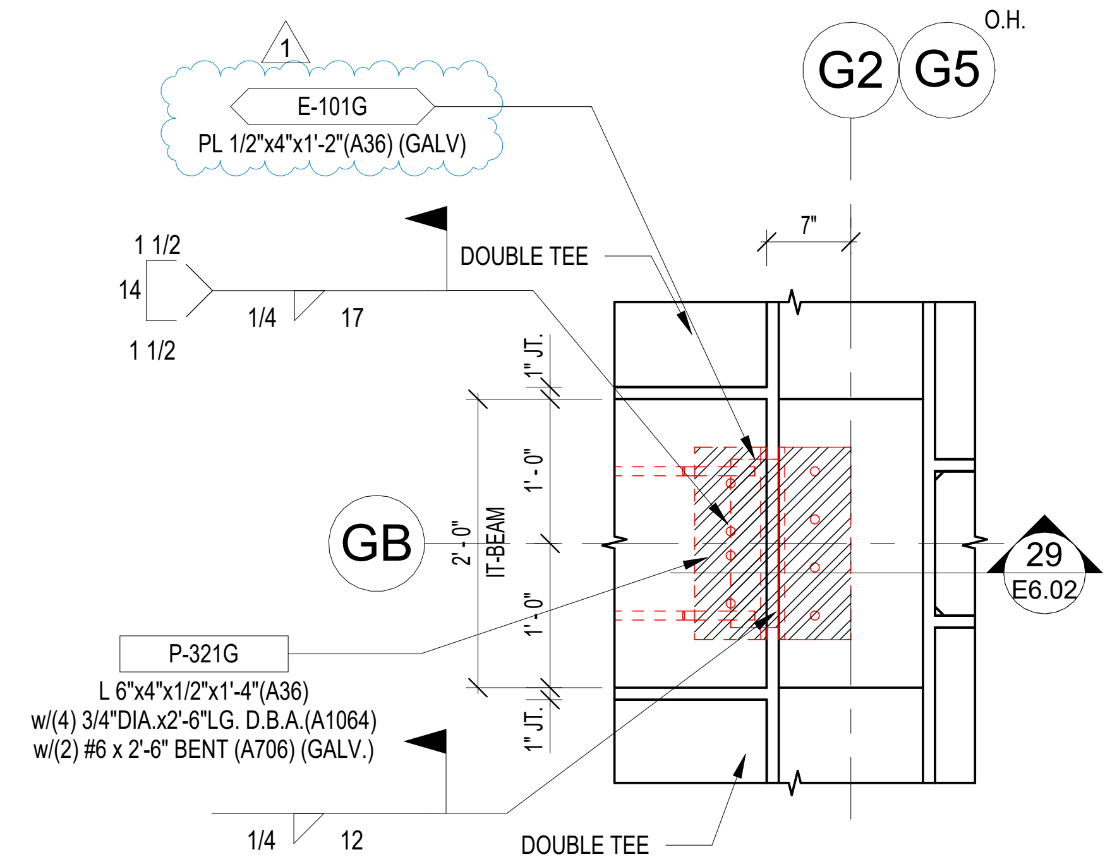
NOTES:

1. TOP OF DOUBLE TEE FLANGES WILL HAVE DIFFERENT ELEVATIONS DUE TO VARIABLE CAMBER IN DOUBLE TEES.
2. THE ERECTOR SHALL POSITION DOUBLE TEES TO ALIGN FLANGES TO A MAXIMUS TOP SURFACE DIFFERENTIAL OF 1/4".
3. JOINT TREATMENT BETWEEN DOUBLE TEES TO BE BY OTHERS.
4. CONTRACTOR REFER TO STRUCTURAL DRAWINGS FOR CONTROL JTS. AND OTHER ITEMS IN TOPPING.
5. ⊛ ERECTOR TO ADJUST JOINT WIDTH ALONG THE RAMP SUCH THAT CONSISTENT WIDTHS ARE PROVIDED.

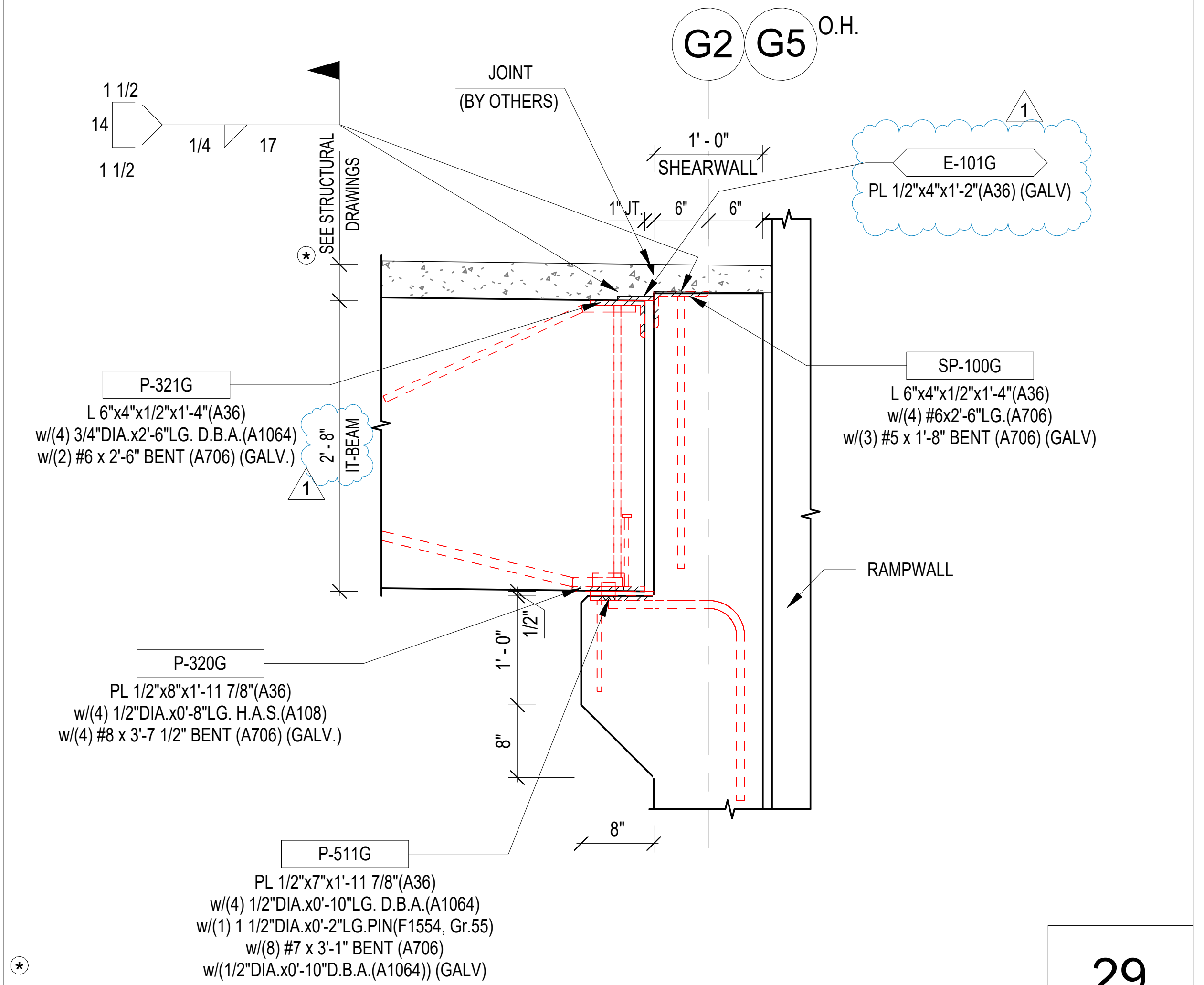
26


3' - 0"
1' - 2"
1' - 10"
2' - 6"
1' - 3"
1' - 3"
A
PLAN
3' - 0"
SLOPE TO DRAIN
5 3/8"
1' - 5 3/8"
1' - 1 3/8"
SLOPE TO DRAIN
DRAIN
(BY OTHER)
4"
DT FLANGE
2' - 6"
DOUBLE TEE
SECTION-A

27

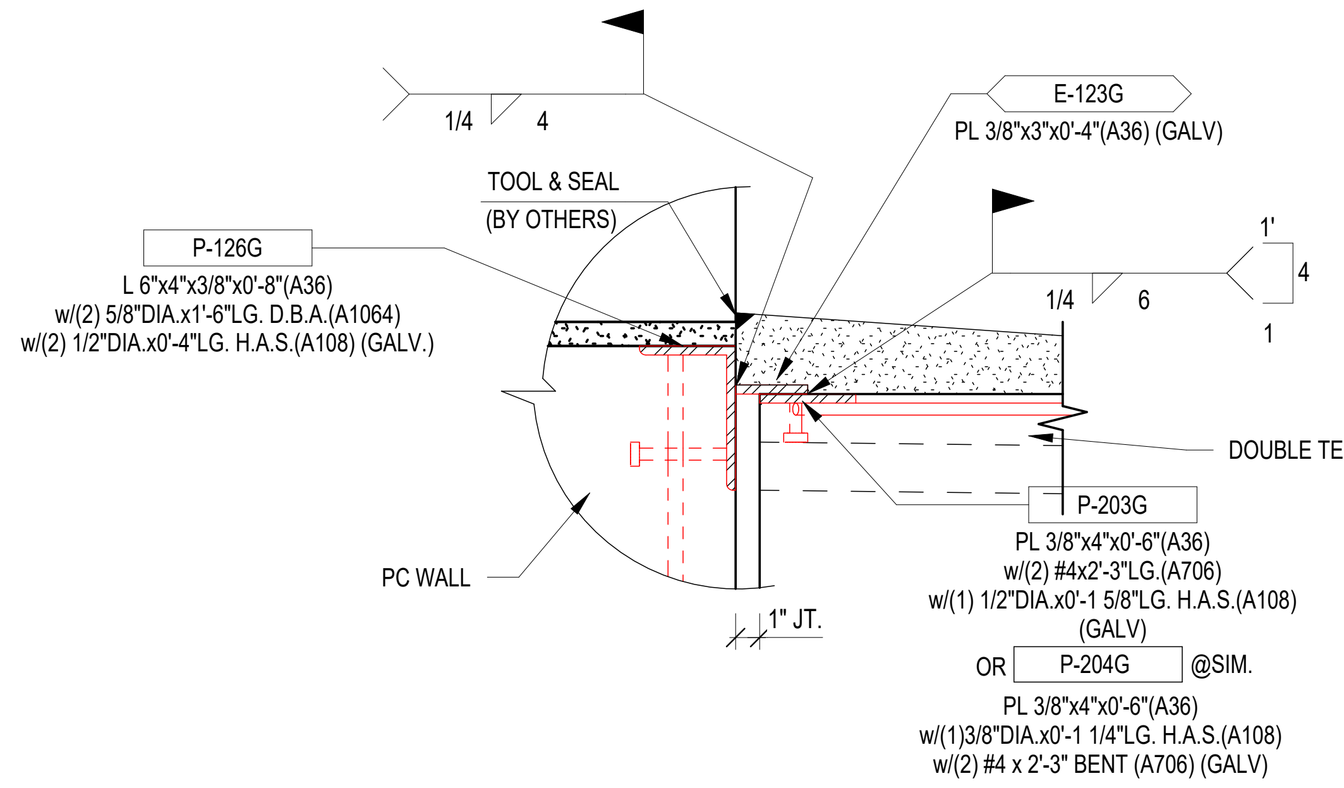

1
E-101G
PL 1/2"x4"x1'-2"(A36) (GALV)
G2
G5
O.H.
1 1/2
14
1 1/2
1/4
17
DOUBLE TEE
7"
1" JT.
1' - 0"
2' - 0"
IT-BEAM
1' - 0"
1" JT.
GB
29
E6.02
P-321G
L 6"x4"x1/2"x1'-4"(A36)
w/(4) 3/4"DIA.x2'-6"LG. D.B.A.(A1064)
w/(2) #6 x 2'-6" BENT (A706) (GALV.)
1/4
12
DOUBLE TEE

28

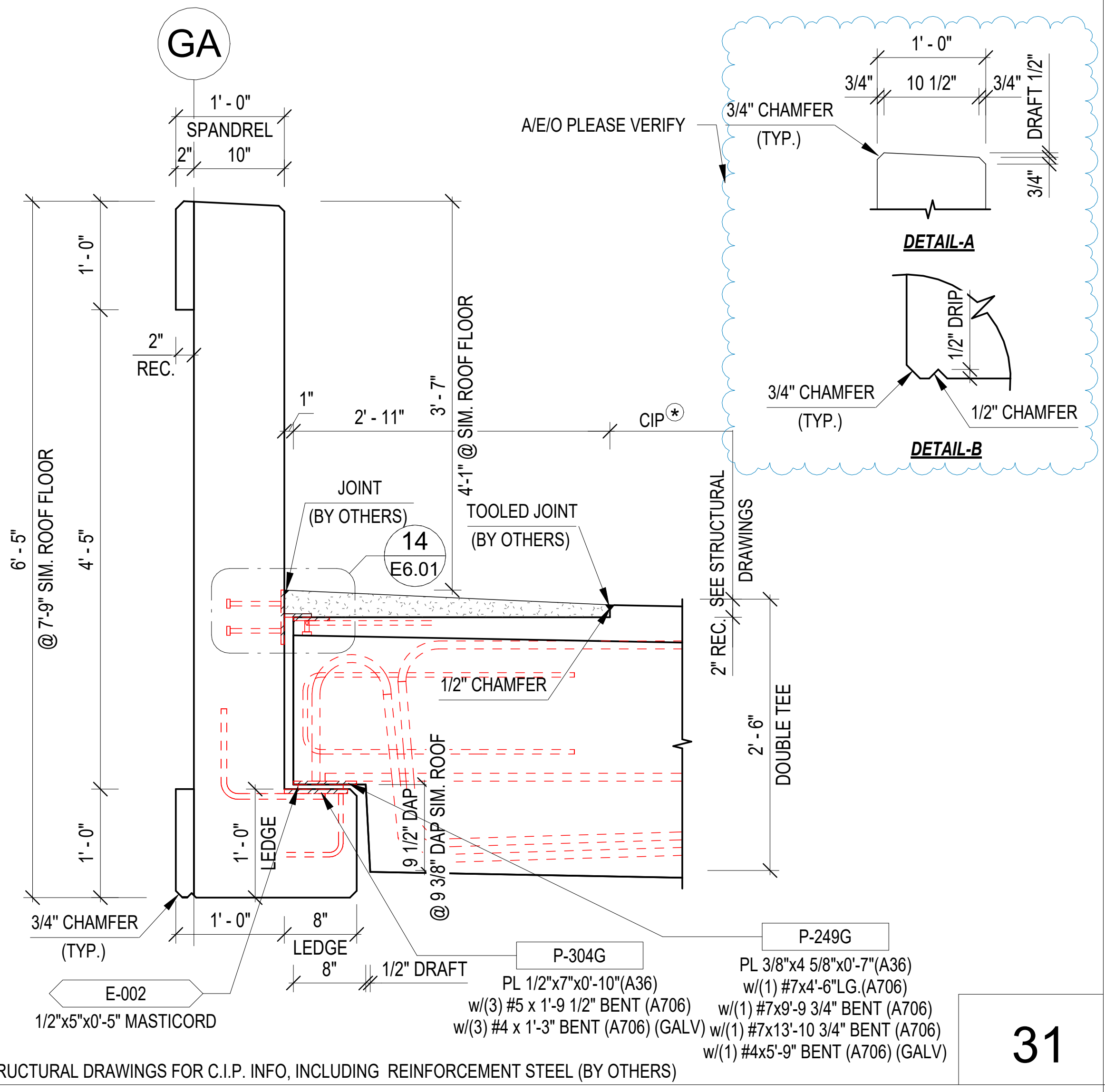

G2
G5
O.H.
1 1/2
14
1 1/2
1/4
17
JOINT
(BY OTHERS)
1' - 0"
SHEARWALL
1" JT.
6"
6"
1
E-101G
PL 1/2"x4"x1'-2"(A36) (GALV)
⊛ SEE STRUCTURAL DRAWINGS
P-321G
L 6"x4"x1/2"x1'-4"(A36)
w/(4) 3/4"DIA.x2'-6"LG. D.B.A.(A1064)
w/(2) #6 x 2'-6" BENT (A706) (GALV.)
2' - 8"
IT-BEAM
1
SP-100G
L 6"x4"x1/2"x1'-4"(A36)
w/(4) #6x2'-6"LG.(A706)
w/(3) #5 x 1'-8" BENT (A706) (GALV)
RAMPWALL
1/2"
1' - 0"
8"
8"
P-320G
PL 1/2"x8"x1'-11 7/8"(A36)
w/(4) 1/2"DIA.x0'-8"LG. H.A.S.(A108)
w/(4) #8 x 3'-7 1/2" BENT (A706) (GALV.)
P-511G
PL 1/2"x7"x1'-11 7/8"(A36)
w/(4) 1/2"DIA.x0'-10"LG. D.B.A.(A1064)
w/(1) 1 1/2"DIA.x0'-2"LG.PIN(F1554, Gr.55)
w/(8) #7 x 3'-1" BENT (A706)
w/(1/2"DIA.x0'-10"D.B.A.(A1064)) (GALV)

⊛ SEE STRUCTURAL DRAWINGS FOR C.I.P. INFO, INCLUDING REINFORCEMENT STEEL (BY OTHERS)

29

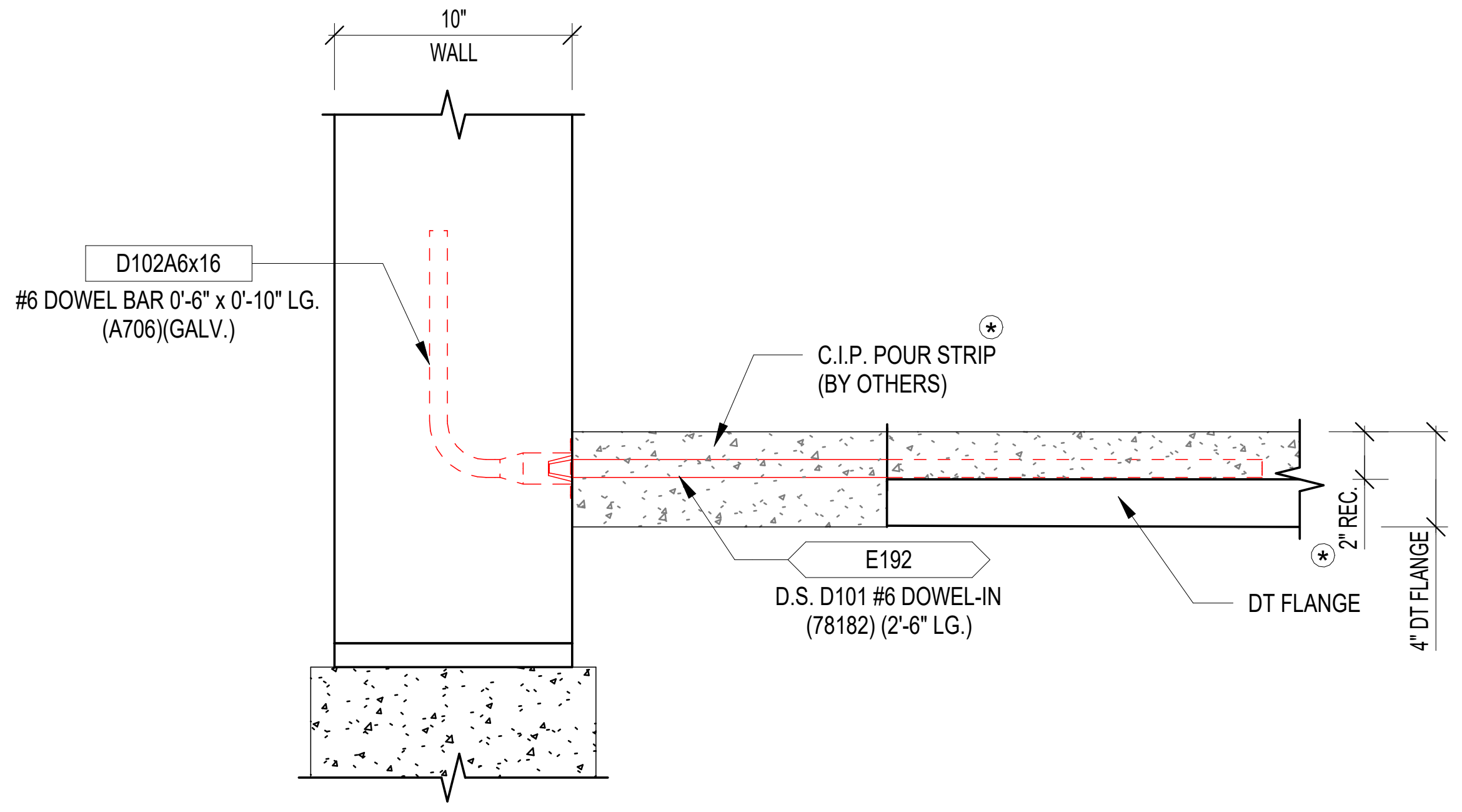

1/4
4
E-123G
PL 3/8"x3"x0'-4"(A36) (GALV)
TOOL & SEAL
(BY OTHERS)
P-126G
L 6"x4"x3/8"x0'-8"(A36)
w/(2) 5/8"DIA.x1'-6"LG. D.B.A.(A1064)
w/(2) 1/2"DIA.x0'-4"LG. H.A.S.(A108) (GALV.)
1'
4
1
1/4
6
DOUBLE TEE
PC WALL
1" JT.
P-203G
PL 3/8"x4"x0'-6"(A36)
w/(2) #4x2'-3"LG.(A706)
w/(1) 1/2"DIA.x0'-1 5/8"LG. H.A.S.(A108)
(GALV)
OR
P-204G
@SIM.
PL 3/8"x4"x0'-6"(A36)
w/(1)3/8"DIA.x0'-1 1/4"LG. H.A.S.(A108)
w/(2) #4 x 2'-3" BENT (A706) (GALV)

30


GA
1' - 0"
SPANDREL
2"
10"
A/E/O PLEASE VERIFY
1' - 0"
3/4"
10 1/2"
3/4"
3/4" CHAMFER
(TYP.)
DRAFT 1/2"
3/4"
DETAIL-A
1/2" DRIP
3/4" CHAMFER
(TYP.)
1/2" CHAMFER
DETAIL-B
6' - 5"
@ 7'-9" SIM. ROOF FLOOR
1' - 0"
4' - 5"
1' - 0"
2"
REC.
1"
2' - 11"
3' - 7"
4'-1" @ SIM. ROOF FLOOR
CIP ⊛
JOINT
(BY OTHERS)
14
E6.01
TOOLED JOINT
(BY OTHERS)
SEE STRUCTURAL DRAWINGS
2" REC.
1/2" CHAMFER
2' - 6"
DOUBLE TEE
1' - 0"
LEDGE
9 1/2" DAP
@ 9 3/8" DAP SIM. ROOF
3/4" CHAMFER
(TYP.)
1' - 0"
8"
LEDGE
8"
1/2" DRAFT
E-002
1/2"x5"x0'-5" MASTICORD
P-304G
PL 1/2"x7"x0'-10"(A36)
w/(3) #5 x 1'-9 1/2" BENT (A706)
w/(3) #4 x 1'-3" BENT (A706) (GALV)
P-249G
PL 3/8"x4 5/8"x0'-7"(A36)
w/(1) #7x4'-6"LG.(A706)
w/(1) #7x9'-9 3/4" BENT (A706)
w/(1) #7x13'-10 3/4" BENT (A706)
w/(1) #4x5'-9" BENT (A706) (GALV)

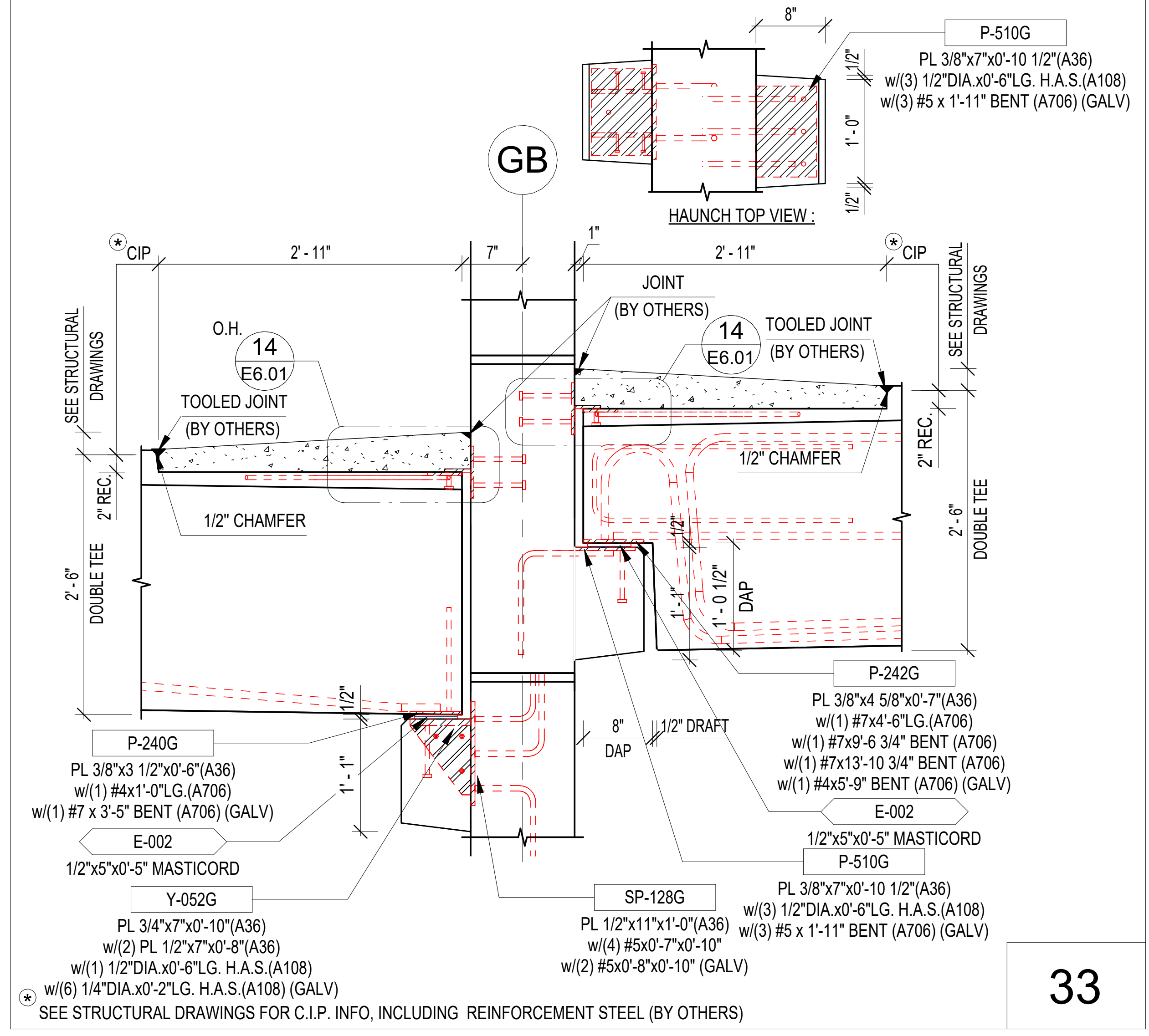
⊛ SEE STRUCTURAL DRAWINGS FOR C.I.P. INFO, INCLUDING REINFORCEMENT STEEL (BY OTHERS)

31


10"
WALL
D102A6x16
#6 DOWEL BAR 0'-6" x 0'-10" LG.
(A706)(GALV.)
C.I.P. POUR STRIP ⊛
(BY OTHERS)
E192
D.S. D101 #6 DOWEL-IN
(78182) (2'-6" LG.)
DT FLANGE
⊛ 2" REC.
4" DT FLANGE

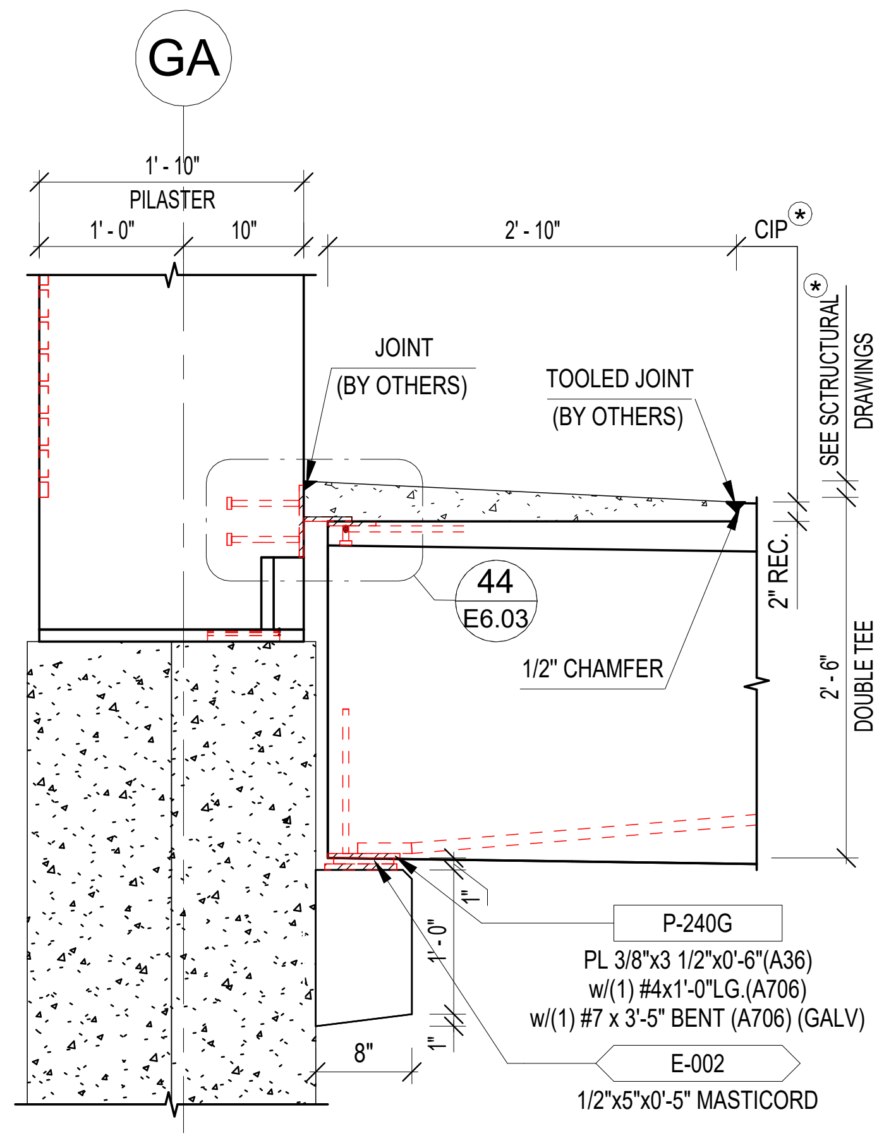
⊛ SEE STRUCTURAL DRAWINGS FOR C.I.P. INFO, INCLUDING REINFORCEMENT STEEL (BY OTHERS)

32


8"
P-510G
PL 3/8"x7"x0'-10 1/2"(A36)
w/(3) 1/2"DIA.x0'-6"LG. H.A.S.(A108)
w/(3) #5 x 1'-11" BENT (A706) (GALV)
1/2"
1' - 0"
1/2"
GB
HAUNCH TOP VIEW :
⊛ CIP
2' - 11"
7"
1"
2' - 11"
⊛ CIP
SEE STRUCTURAL DRAWINGS
O.H.
14
E6.01
TOOLED JOINT
(BY OTHERS)
JOINT
(BY OTHERS)
14
E6.01
TOOLED JOINT
(BY OTHERS)
SEE STRUCTURAL DRAWINGS
2" REC.
1/2" CHAMFER
2" REC.
1/2" CHAMFER
2' - 6"
DOUBLE TEE
2' - 6"
DOUBLE TEE
1/2"
1' - 1"
1/2"
1' - 0 1/2"
DAP
8"
DAP
1/2" DRAFT
P-240G
PL 3/8"x3 1/2"x0'-6"(A36)
w/(1) #4x1'-0"LG.(A706)
w/(1) #7 x 3'-5" BENT (A706) (GALV)
E-002
1/2"x5"x0'-5" MASTICORD
Y-052G
PL 3/4"x7"x0'-10"(A36)
w/(2) PL 1/2"x7"x0'-8"(A36)
w/(1) 1/2"DIA.x0'-6"LG. H.A.S.(A108)
w/(6) 1/4"DIA.x0'-2"LG. H.A.S.(A108) (GALV)
SP-128G
PL 1/2"x11"x1'-0"(A36)
w/(4) #5x0'-7"x0'-10"
w/(2) #5x0'-8"x0'-10" (GALV)
P-242G
PL 3/8"x4 5/8"x0'-7"(A36)
w/(1) #7x4'-6"LG.(A706)
w/(1) #7x9'-6 3/4" BENT (A706)
w/(1) #7x13'-10 3/4" BENT (A706)
w/(1) #4x5'-9" BENT (A706) (GALV)
E-002
1/2"x5"x0'-5" MASTICORD
P-510G
PL 3/8"x7"x0'-10 1/2"(A36)
w/(3) 1/2"DIA.x0'-6"LG. H.A.S.(A108)
w/(3) #5 x 1'-11" BENT (A706) (GALV)

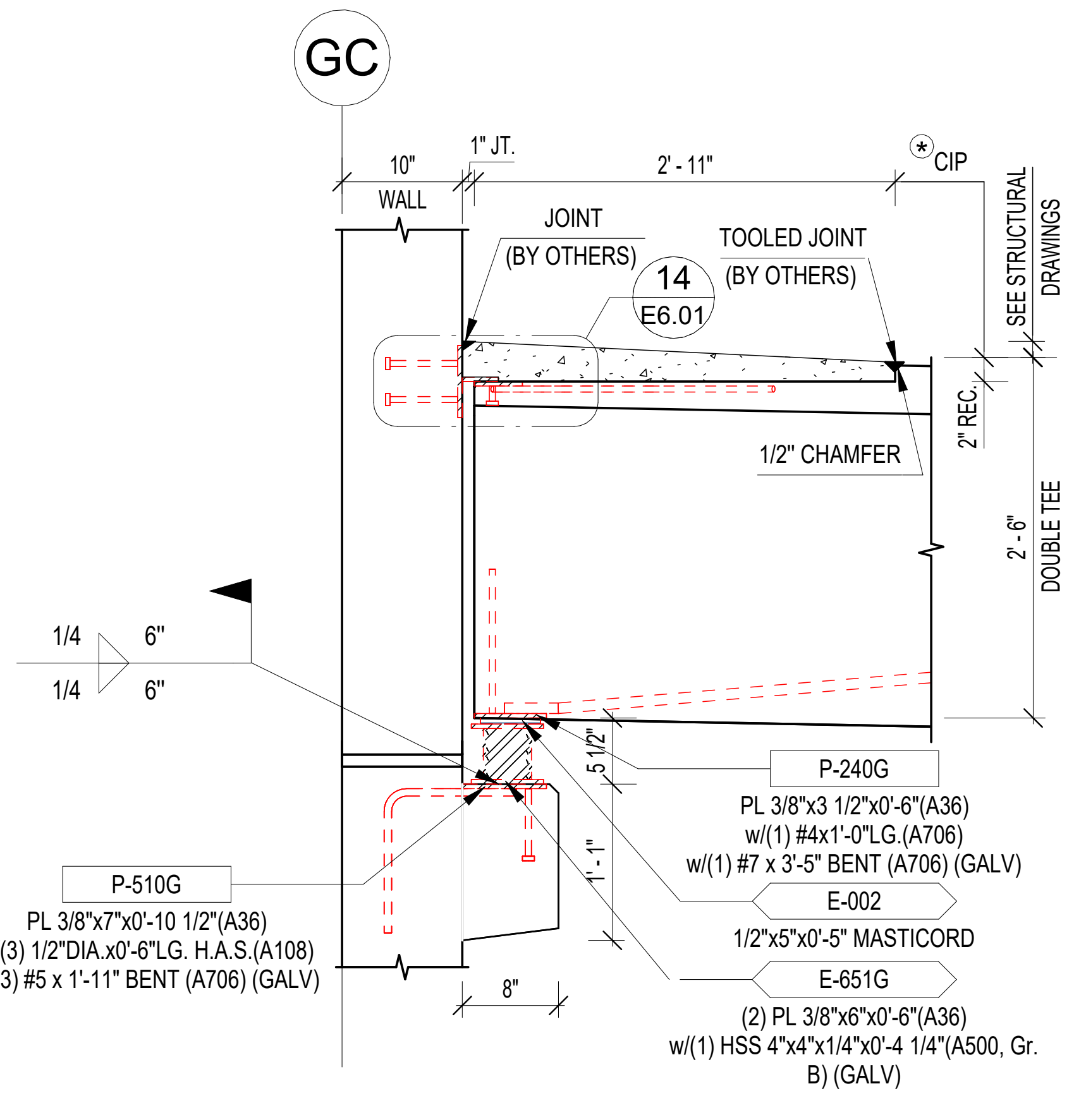
⊛ SEE STRUCTURAL DRAWINGS FOR C.I.P. INFO, INCLUDING REINFORCEMENT STEEL (BY OTHERS)

33


GA
1' - 10"
PILASTER
1' - 0"
10"
2' - 10"
CIP ⊛
JOINT
(BY OTHERS)
TOOLED JOINT
(BY OTHERS)
SEE SCTRUCTURAL ⊛ DRAWINGS
44
E6.03
2" REC.
1/2" CHAMFER
2' - 6"
DOUBLE TEE
1"
1' - 0"
1"
8"
P-240G
PL 3/8"x3 1/2"x0'-6"(A36)
w/(1) #4x1'-0"LG.(A706)
w/(1) #7 x 3'-5" BENT (A706) (GALV)
E-002
1/2"x5"x0'-5" MASTICORD

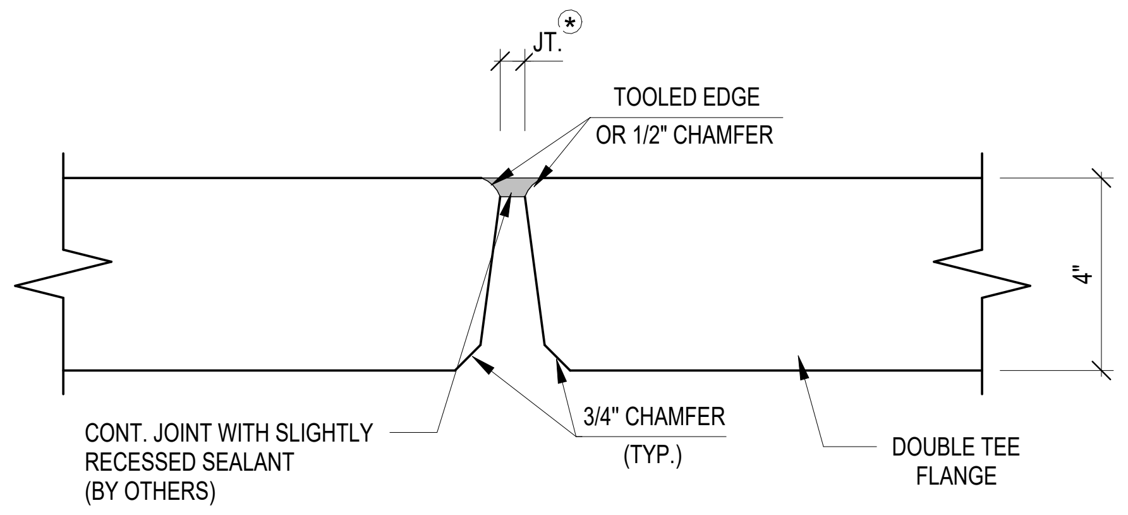
⊛ SEE STRUCTURAL DRAWINGS FOR C.I.P. INFO, INCLUDING REINFORCEMENT STEEL (BY OTHERS)

34


GC
10"
WALL
1" JT.
2' - 11"
⊛ CIP
JOINT
(BY OTHERS)
14
E6.01
TOOLED JOINT
(BY OTHERS)
SEE STRUCTURAL DRAWINGS
2" REC.
1/2" CHAMFER
2' - 6"
DOUBLE TEE
1/4
6"
1/4
6"
5 1/2"
1' - 1"
8"
P-240G
PL 3/8"x3 1/2"x0'-6"(A36)
w/(1) #4x1'-0"LG.(A706)
w/(1) #7 x 3'-5" BENT (A706) (GALV)
E-002
1/2"x5"x0'-5" MASTICORD
E-651G
(2) PL 3/8"x6"x0'-6"(A36)
w/(1) HSS 4"x4"x1/4"x0'-4 1/4"(A500, Gr. B) (GALV)
P-510G
PL 3/8"x7"x0'-10 1/2"(A36)
w/(3) 1/2"DIA.x0'-6"LG. H.A.S.(A108)
w/(3) #5 x 1'-11" BENT (A706) (GALV)

⊛ SEE STRUCTURAL DRAWINGS FOR C.I.P. INFO, INCLUDING REINFORCEMENT STEEL (BY OTHERS)

35


JT. ⊛
TOOLED EDGE
OR 1/2" CHAMFER
4"
CONT. JOINT WITH SLIGHTLY
RECESSED SEALANT
(BY OTHERS)
3/4" CHAMFER
(TYP.)
DOUBLE TEE
FLANGE

NOTES:

1. JOINT TREATMENT BETWEEN DOUBLE TEES TO BE BY OTHERS.
2. CONTRACTOR REFER TO STRUCTURAL DRAWINGS FOR CONTROL JTS. AND OTHER ITEMS IN TOPPING.
3. ERECTOR TO ADJUST JOINT WIDTH ALONG THE RAMP SUCH THAT CONSISTENT WIDTHS ARE PROVIDED.

CHRIS C. KERCSMAR
PE062269

36

DRAWN BY:
OVB
CHECKED BY:
DATE:
10/21/22

SUBMITTALS/REVISIONS:

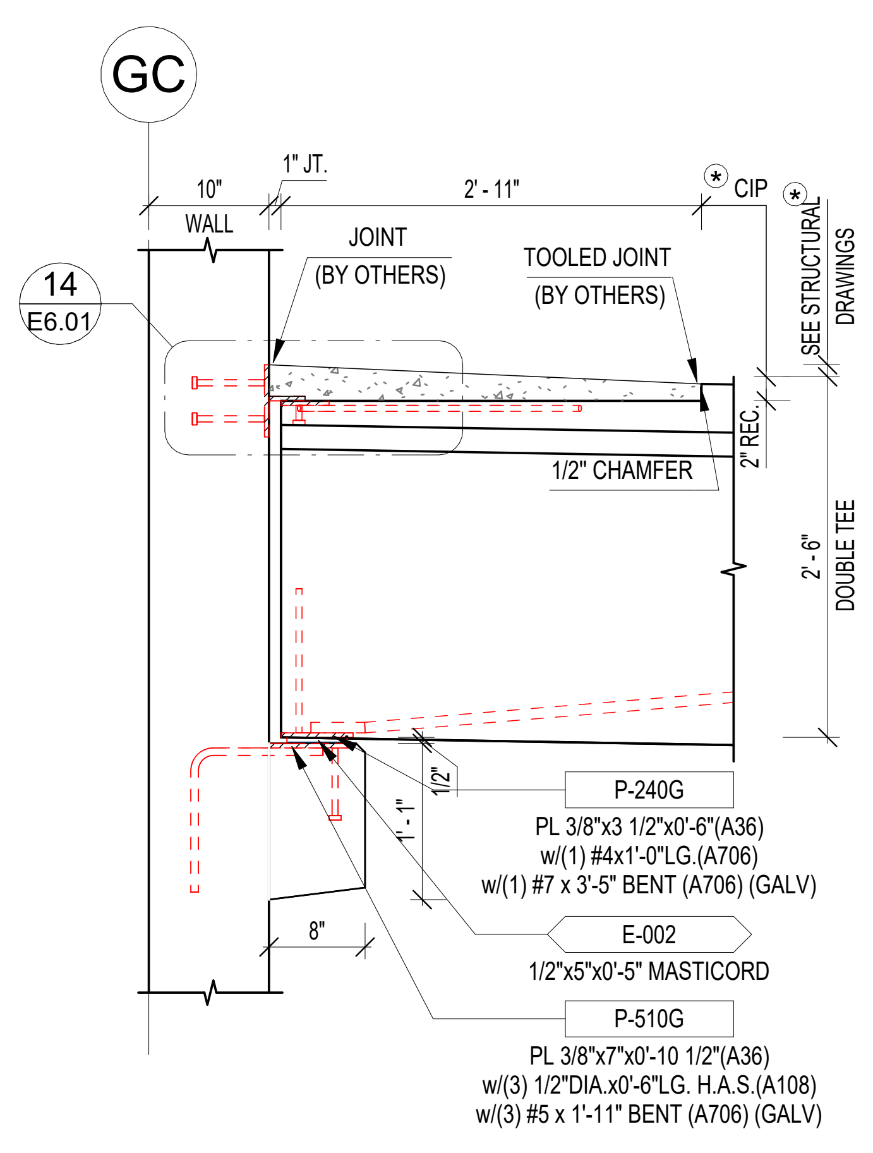
A	FOR REFERENCE	12/15/22
1	REVISION FOR RECORD 1	12/27/22

The CONSULTING ENGINEERS GROUP Inc.
16302 Pleasantville Road ~ SUITE 100 ~ SAN ANTONIO, TX 78233
210 637-0977 FAX 210 637-1172 E-MAIL engineers@cegtex.com

PROJECT:
GRANITE RUN PHASE II
MIDDLETOWN TOWNSHIP, PA
SECTIONS AND DETAILS (25-36)

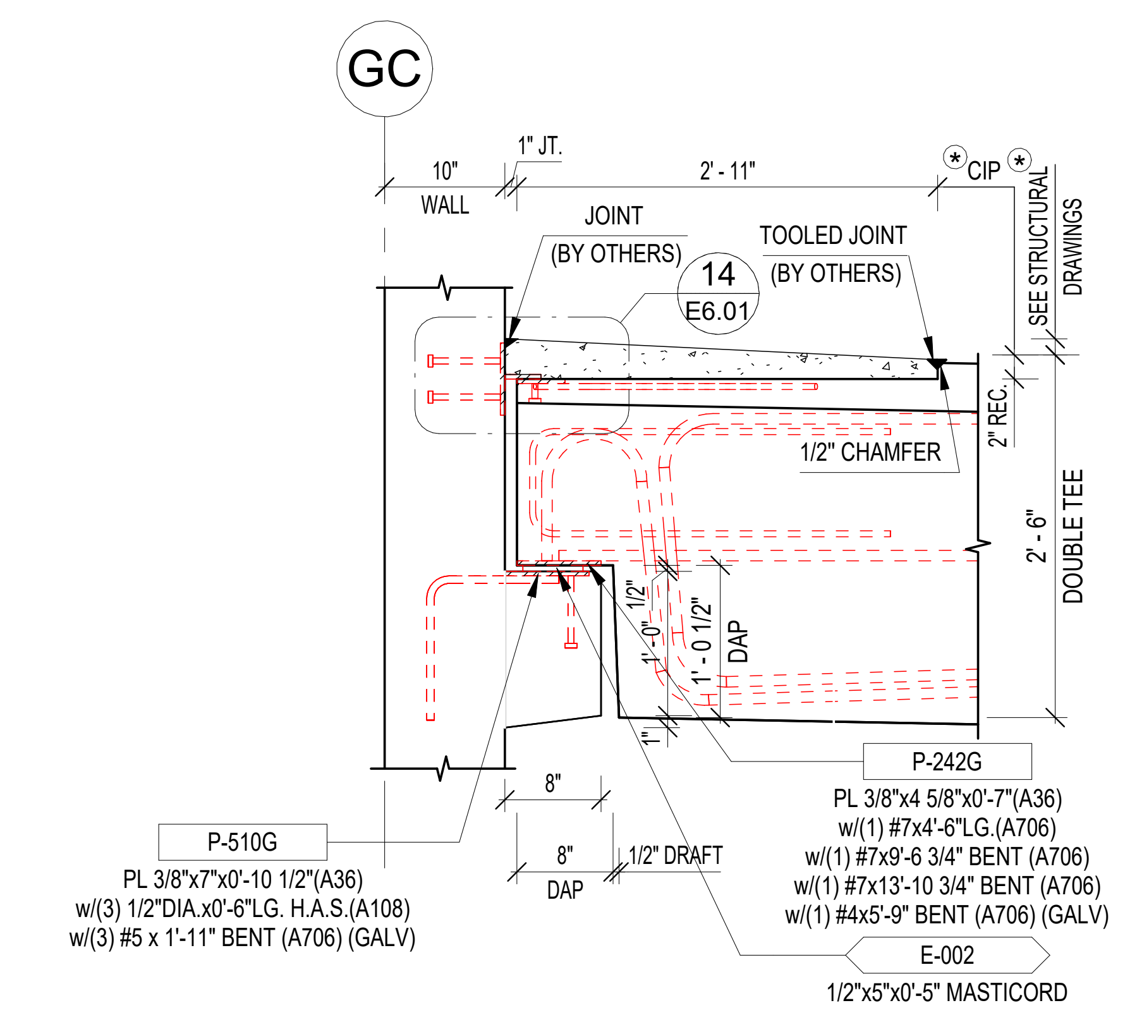
JERSEY PRECAST
853 NOTTINGHAM WAY
HAMILTON TOWNSHIP, NJ 08638
PH: 609-689-3700 FAX: 609-689-3797

CEG JOB NO.
22551
JOB NO.
22040
SHEET NO.
E6.02


GC
10"
WALL
1" JT.
2' - 11"
CIP
14
E6.01
JOINT
(BY OTHERS)
TOOLED JOINT
(BY OTHERS)
SEE STRUCTURAL DRAWINGS
1/2" CHAMFER
2" REC.
2' - 6"
DOUBLE TEE
P-240G
PL 3/8"x3 1/2"x0'-6"(A36)
w/(1) #4x1'-0"LG.(A706)
w/(1) #7 x 3'-5" BENT (A706) (GALV)
1/2"
1' - 1"
8"
E-002
1/2"x5"x0'-5" MASTICORD
P-510G
PL 3/8"x7"x0'-10 1/2"(A36)
w/(3) 1/2"DIA.x0'-6"LG. H.A.S.(A108)
w/(3) #5 x 1'-11" BENT (A706) (GALV)

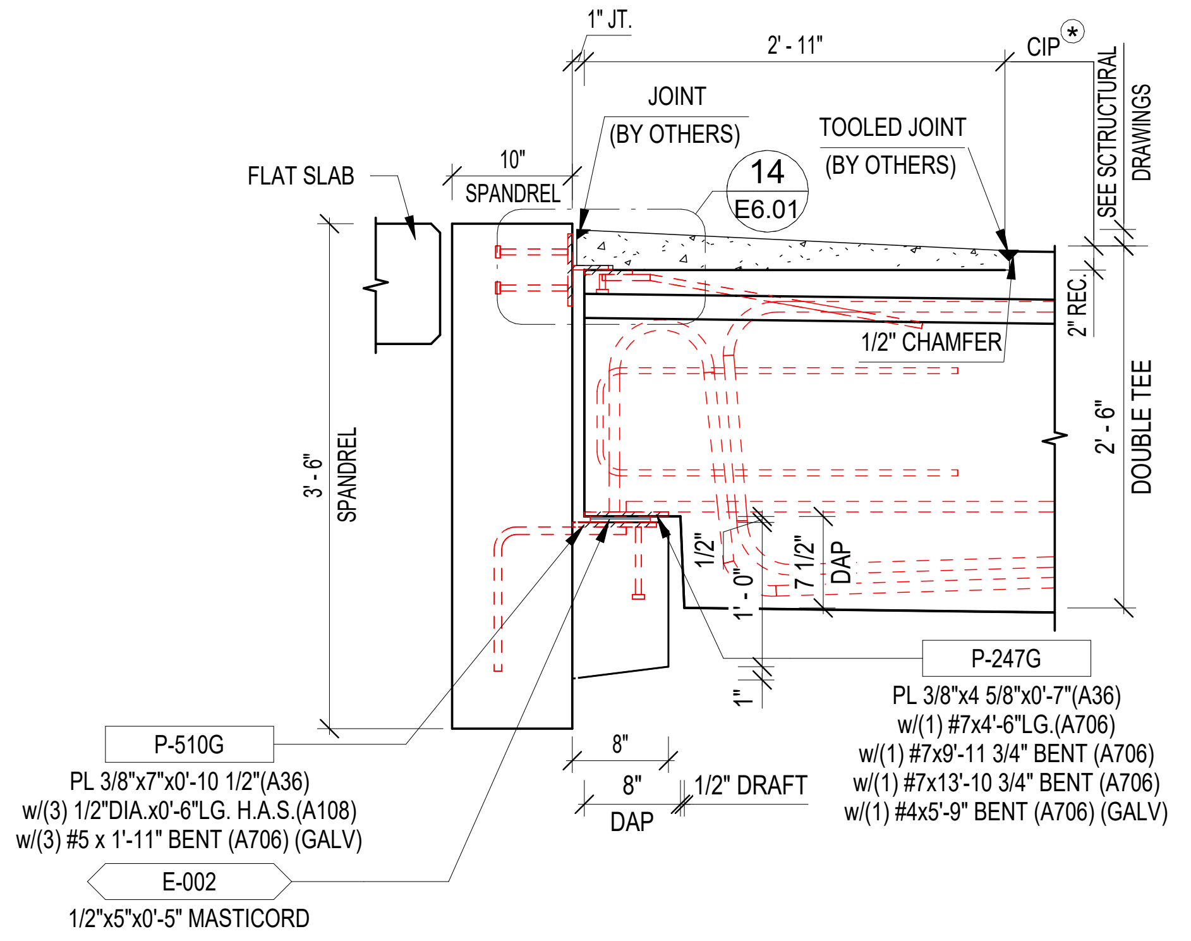
SEE STRUCTURAL DRAWINGS FOR C.I.P. INFO, INCLUDING REINFORCEMENT STEEL (BY OTHERS)

37


GC
10"
WALL
1" JT.
2' - 11"
CIP
JOINT
(BY OTHERS)
14
E6.01
TOOLED JOINT
(BY OTHERS)
SEE STRUCTURAL DRAWINGS
2" REC.
1/2" CHAMFER
2' - 6"
DOUBLE TEE
1/2"
1' - 0 1/2"
1' - 0"
DAP
P-510G
PL 3/8"x7"x0'-10 1/2"(A36)
w/(3) 1/2"DIA.x0'-6"LG. H.A.S.(A108)
w/(3) #5 x 1'-11" BENT (A706) (GALV)
8"
8"
DAP
1/2" DRAFT
1"
P-242G
PL 3/8"x4 5/8"x0'-7"(A36)
w/(1) #7x4'-6"LG.(A706)
w/(1) #7x9'-6 3/4" BENT (A706)
w/(1) #7x13'-10 3/4" BENT (A706)
w/(1) #4x5'-9" BENT (A706) (GALV)
E-002
1/2"x5"x0'-5" MASTICORD

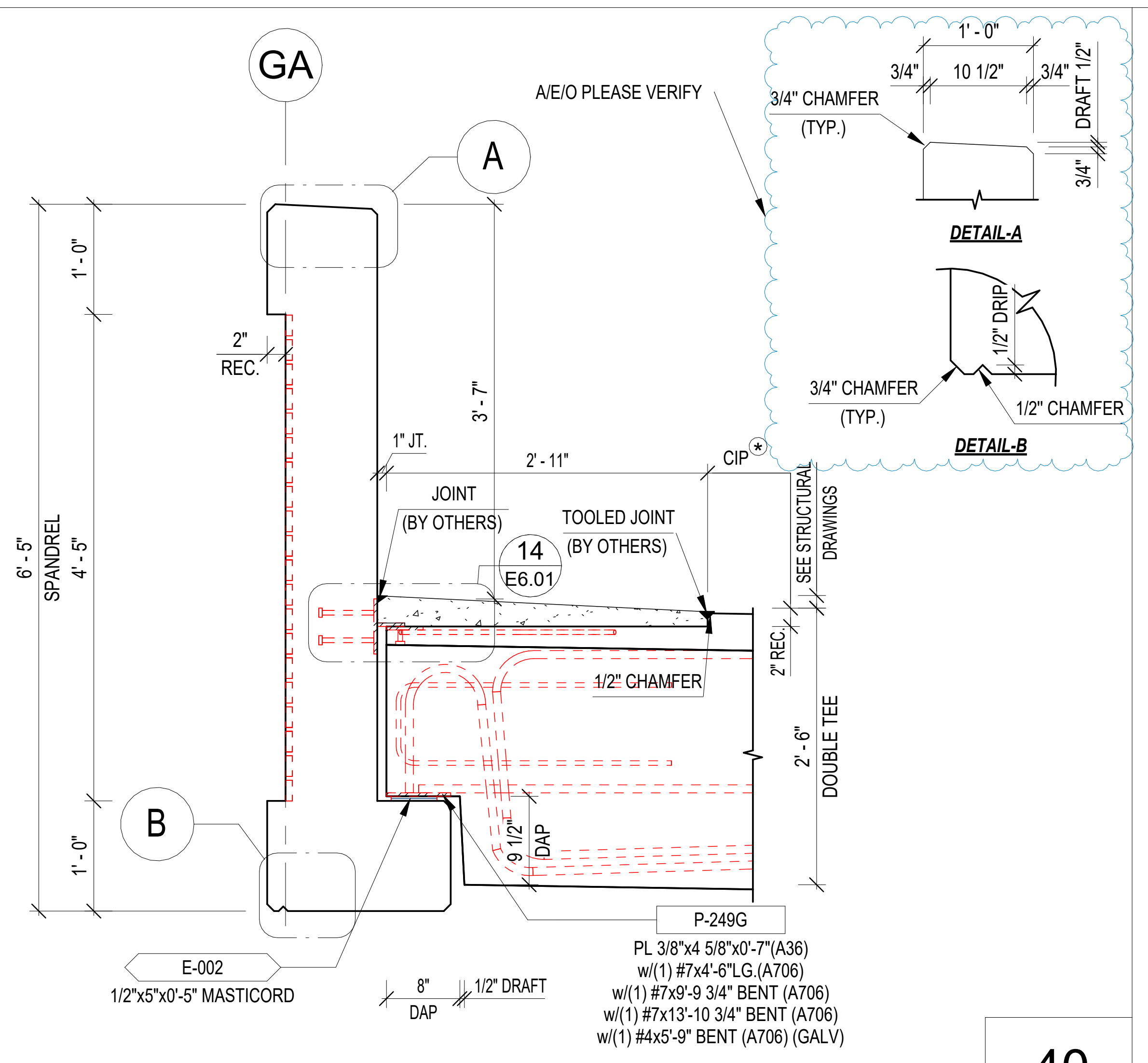
SEE STRUCTURAL DRAWINGS FOR C.I.P. INFO, INCLUDING REINFORCEMENT STEEL (BY OTHERS)

38


1" JT.
2' - 11"
CIP
JOINT
(BY OTHERS)
TOOLED JOINT
(BY OTHERS)
10"
SPANDREL
14
E6.01
FLAT SLAB
SEE SCTRUCTURAL DRAWINGS
2" REC.
1/2" CHAMFER
2' - 6"
DOUBLE TEE
3' - 6"
SPANDREL
1/2"
1' - 0"
7 1/2"
DAP
1"
P-510G
PL 3/8"x7"x0'-10 1/2"(A36)
w/(3) 1/2"DIA.x0'-6"LG. H.A.S.(A108)
w/(3) #5 x 1'-11" BENT (A706) (GALV)
8"
8"
DAP
1/2" DRAFT
P-247G
PL 3/8"x4 5/8"x0'-7"(A36)
w/(1) #7x4'-6"LG.(A706)
w/(1) #7x9'-11 3/4" BENT (A706)
w/(1) #7x13'-10 3/4" BENT (A706)
w/(1) #4x5'-9" BENT (A706) (GALV)
E-002
1/2"x5"x0'-5" MASTICORD

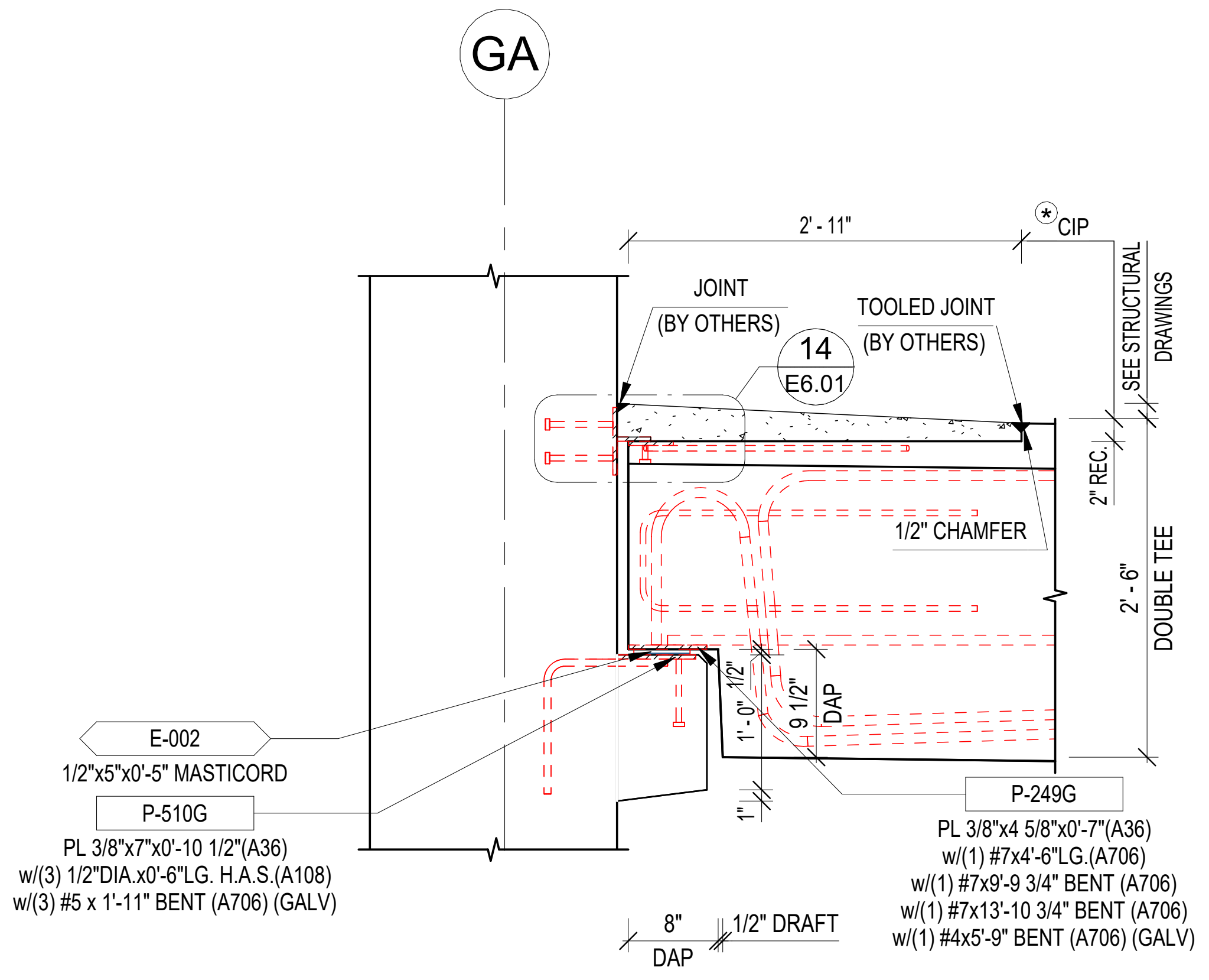
SEE STRUCTURAL DRAWINGS FOR C.I.P. INFO, INCLUDING REINFORCEMENT STEEL (BY OTHERS)

39


GA
A
A/E/O PLEASE VERIFY
1' - 0"
3/4"
10 1/2"
3/4"
DRAFT 1/2"
3/4" CHAMFER
(TYP.)
3/4"
DETAIL-A
3/4" CHAMFER
(TYP.)
1/2" DRIP
1/2" CHAMFER
DETAIL-B
1' - 0"
2"
REC.
3' - 7"
6' - 5"
SPANDREL
4' - 5"
1" JT.
2' - 11"
CIP
JOINT
(BY OTHERS)
TOOLED JOINT
(BY OTHERS)
14
E6.01
SEE STRUCTURAL DRAWINGS
2" REC.
1/2" CHAMFER
2' - 6"
DOUBLE TEE
B
1' - 0"
9 1/2"
DAP
E-002
1/2"x5"x0'-5" MASTICORD
8"
DAP
1/2" DRAFT
P-249G
PL 3/8"x4 5/8"x0'-7"(A36)
w/(1) #7x4'-6"LG.(A706)
w/(1) #7x9'-9 3/4" BENT (A706)
w/(1) #7x13'-10 3/4" BENT (A706)
w/(1) #4x5'-9" BENT (A706) (GALV)

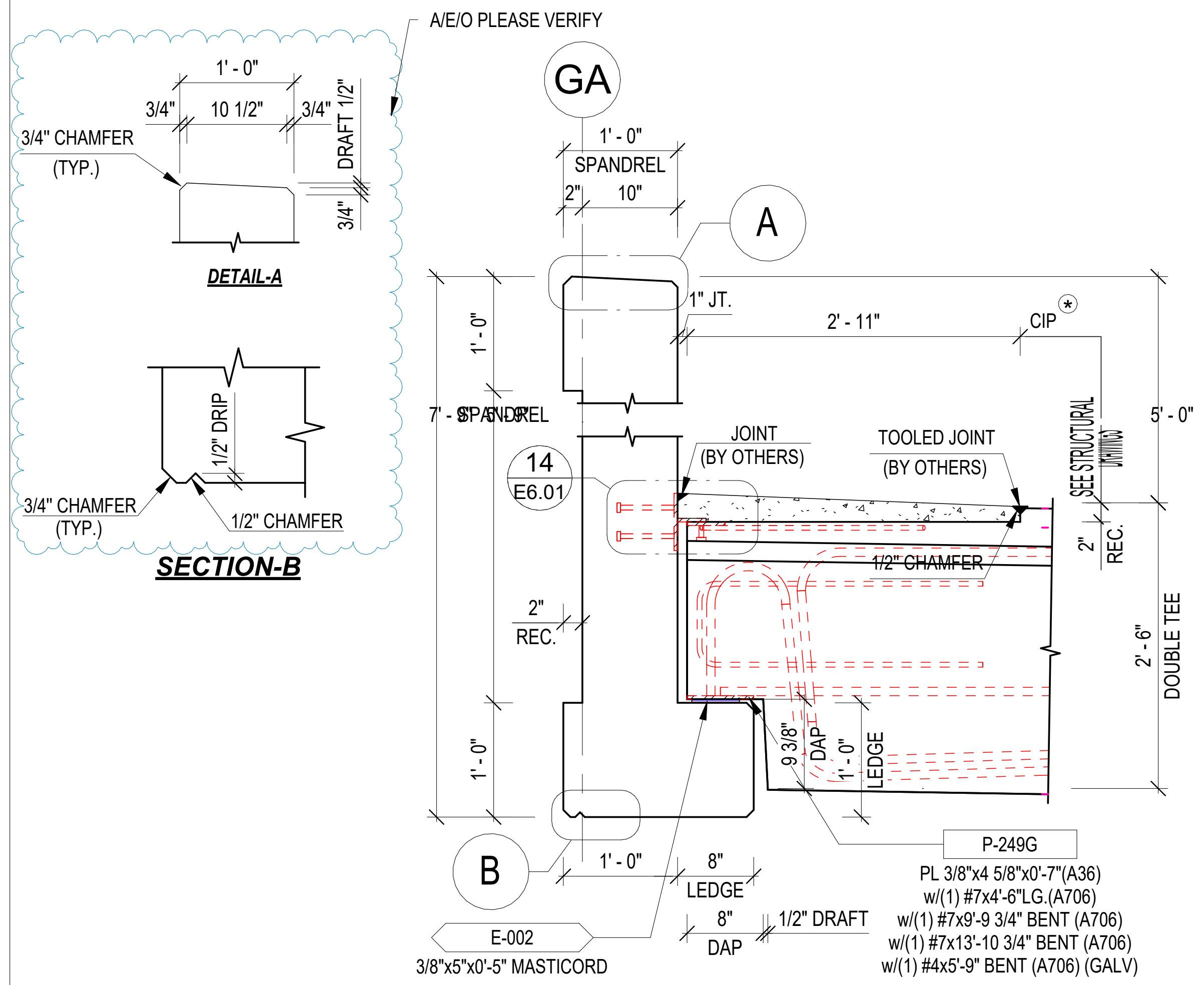
SEE STRUCTURAL DRAWINGS FOR C.I.P. INFO, INCLUDING REINFORCEMENT STEEL (BY OTHERS)

40


GA
2' - 11"
CIP
JOINT
(BY OTHERS)
TOOLED JOINT
(BY OTHERS)
14
E6.01
SEE STRUCTURAL DRAWINGS
2" REC.
1/2" CHAMFER
2' - 6"
DOUBLE TEE
1/2"
1' - 0"
9 1/2"
DAP
1"
E-002
1/2"x5"x0'-5" MASTICORD
P-510G
PL 3/8"x7"x0'-10 1/2"(A36)
w/(3) 1/2"DIA.x0'-6"LG. H.A.S.(A108)
w/(3) #5 x 1'-11" BENT (A706) (GALV)
P-249G
PL 3/8"x4 5/8"x0'-7"(A36)
w/(1) #7x4'-6"LG.(A706)
w/(1) #7x9'-9 3/4" BENT (A706)
w/(1) #7x13'-10 3/4" BENT (A706)
w/(1) #4x5'-9" BENT (A706) (GALV)
8"
DAP
1/2" DRAFT

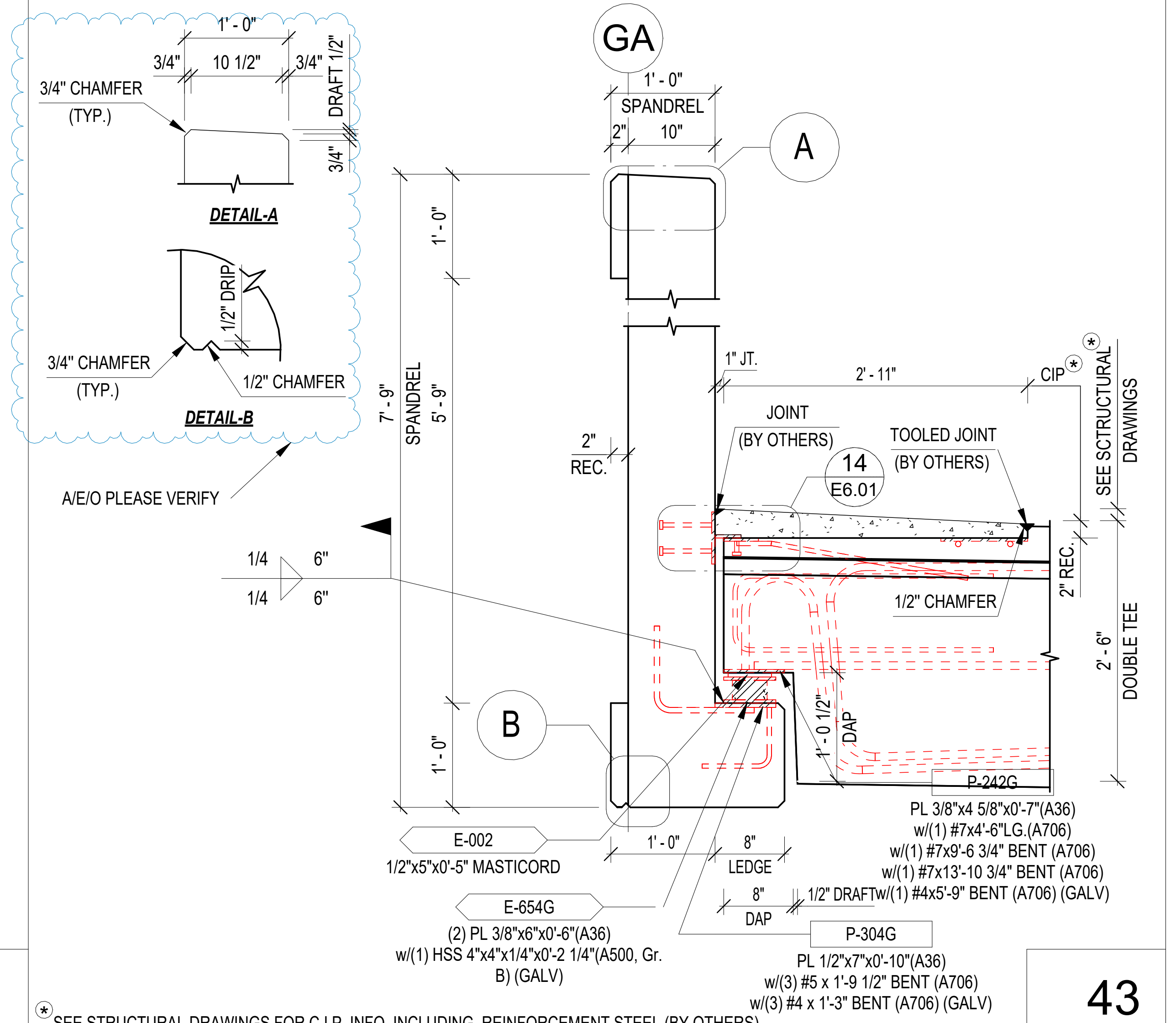
SEE STRUCTURAL DRAWINGS FOR C.I.P. INFO, INCLUDING REINFORCEMENT STEEL (BY OTHERS)

41


A/E/O PLEASE VERIFY
1' - 0"
3/4"
10 1/2"
3/4"
DRAFT 1/2"
3/4" CHAMFER
(TYP.)
3/4"
DETAIL-A
1/2" DRIP
3/4" CHAMFER
(TYP.)
1/2" CHAMFER
SECTION-B
GA
1' - 0"
SPANDREL
2"
10"
A
1" JT.
2' - 11"
CIP
1' - 0"
7' - 8"
SPANDREL
5' - 0"
14
E6.01
JOINT
(BY OTHERS)
TOOLED JOINT
(BY OTHERS)
SEE STRUCTURAL DRAWINGS
2" REC.
1/2" CHAMFER
2"
REC.
2' - 6"
DOUBLE TEE
1' - 0"
9 3/8"
DAP
1' - 0"
LEDGE
B
1' - 0"
8"
LEDGE
8"
DAP
1/2" DRAFT
E-002
3/8"x5"x0'-5" MASTICORD
P-249G
PL 3/8"x4 5/8"x0'-7"(A36)
w/(1) #7x4'-6"LG.(A706)
w/(1) #7x9'-9 3/4" BENT (A706)
w/(1) #7x13'-10 3/4" BENT (A706)
w/(1) #4x5'-9" BENT (A706) (GALV)

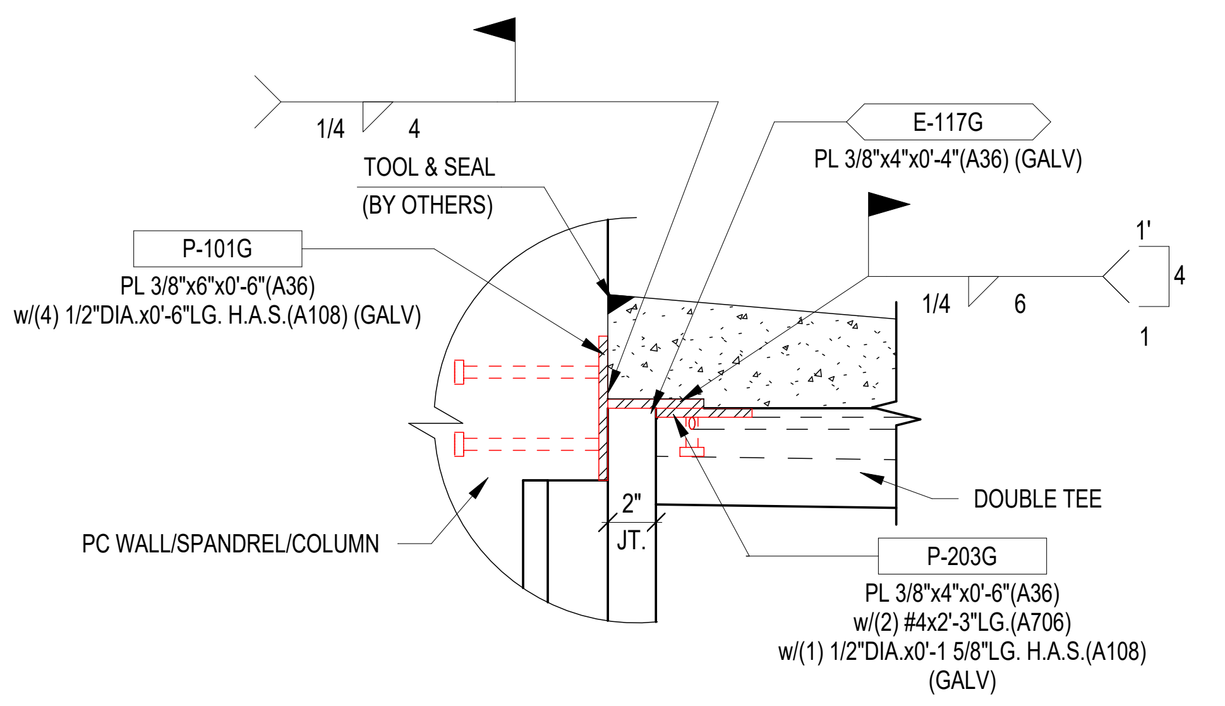
SEE STRUCTURAL DRAWINGS FOR C.I.P. INFO, INCLUDING REINFORCEMENT STEEL (BY OTHERS)

42

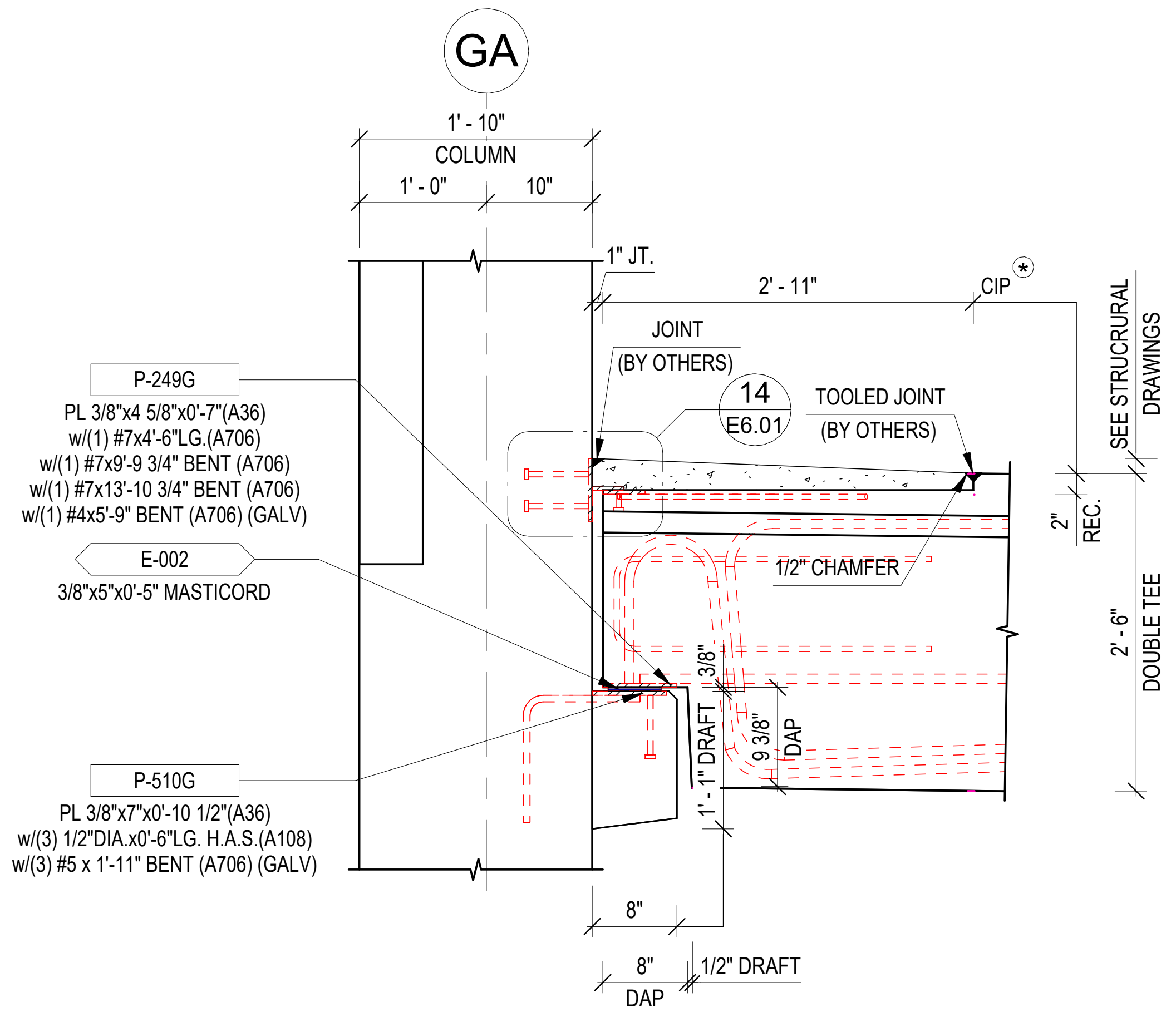

1' - 0"
3/4"
10 1/2"
3/4"
DRAFT 1/2"
3/4" CHAMFER
(TYP.)
3/4"
DETAIL-A
1/2" DRIP
3/4" CHAMFER
(TYP.)
1/2" CHAMFER
DETAIL-B
A/E/O PLEASE VERIFY
GA
1' - 0"
SPANDREL
2"
10"
A
1/4
6"
1/4
6"
1' - 0"
7' - 9"
SPANDREL
5' - 9"
2"
REC.
1" JT.
2' - 11"
CIP
JOINT
(BY OTHERS)
TOOLED JOINT
(BY OTHERS)
14
E6.01
SEE SCTRUCTURAL DRAWINGS
2" REC.
1/2" CHAMFER
2' - 6"
DOUBLE TEE
B
1' - 0"
1' - 0 1/2"
DAP
E-002
1/2"x5"x0'-5" MASTICORD
1' - 0"
8"
LEDGE
8"
DAP
1/2" DRAFT
P-242G
PL 3/8"x4 5/8"x0'-7"(A36)
w/(1) #7x4'-6"LG.(A706)
w/(1) #7x9'-6 3/4" BENT (A706)
w/(1) #7x13'-10 3/4" BENT (A706)
w/(1) #4x5'-9" BENT (A706) (GALV)
E-654G
(2) PL 3/8"x6"x0'-6"(A36)
w/(1) HSS 4"x4"x1/4"x0'-2 1/4"(A500, Gr. B) (GALV)
P-304G
PL 1/2"x7"x0'-10"(A36)
w/(3) #5 x 1'-9 1/2" BENT (A706)
w/(3) #4 x 1'-3" BENT (A706) (GALV)

SEE STRUCTURAL DRAWINGS FOR C.I.P. INFO, INCLUDING REINFORCEMENT STEEL (BY OTHERS)

43

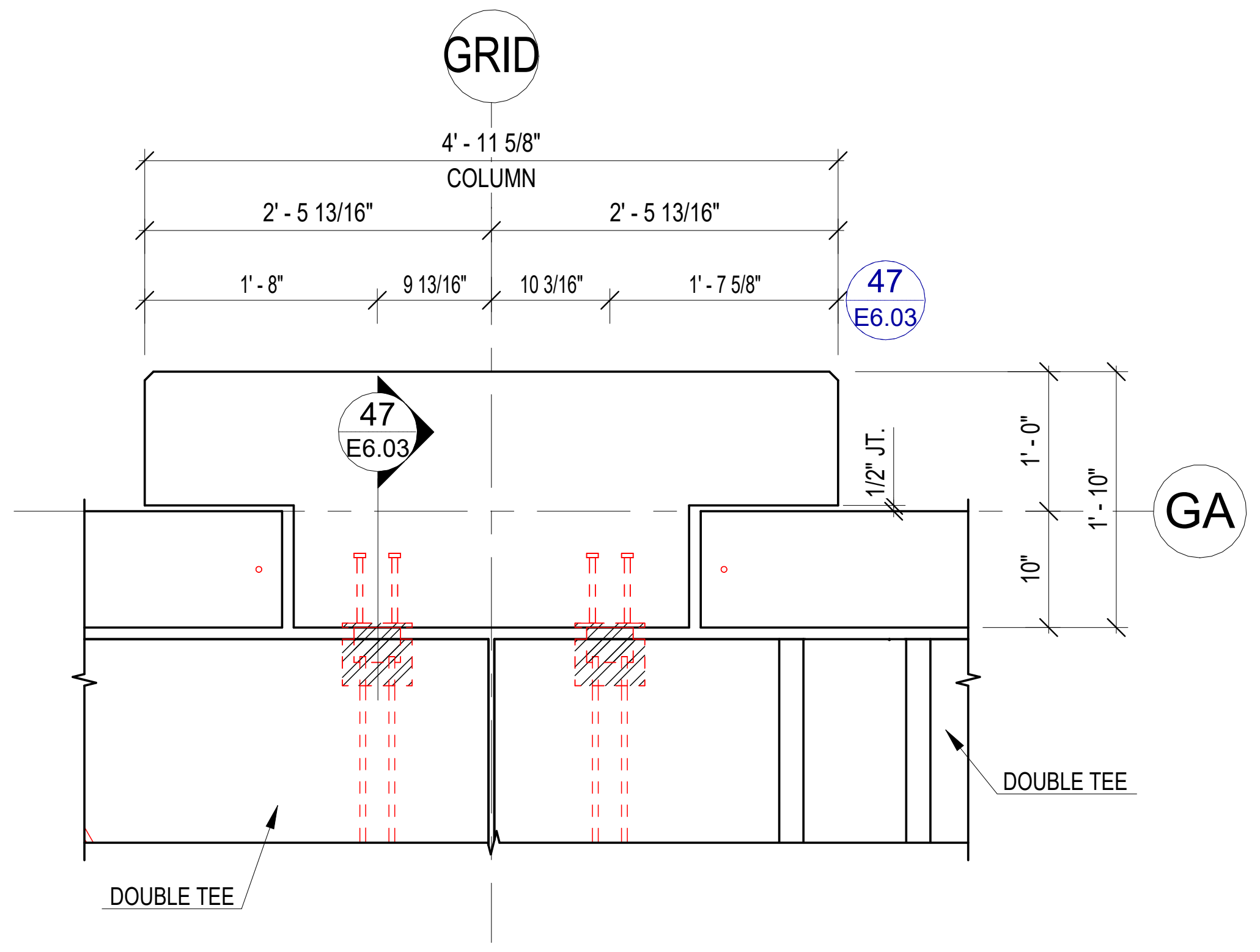

1/4
4
TOOL & SEAL
(BY OTHERS)
E-117G
PL 3/8"x4"x0'-4"(A36) (GALV)
1"
4
1
1/4
6
P-101G
PL 3/8"x6"x0'-6"(A36)
w/(4) 1/2"DIA.x0'-6"LG. H.A.S.(A108) (GALV)
DOUBLE TEE
2"
JT.
PC WALL/SPANDREL/COLUMN
P-203G
PL 3/8"x4"x0'-6"(A36)
w/(2) #4x2'-3"LG.(A706)
w/(1) 1/2"DIA.x0'-1 5/8"LG. H.A.S.(A108)
(GALV)

44

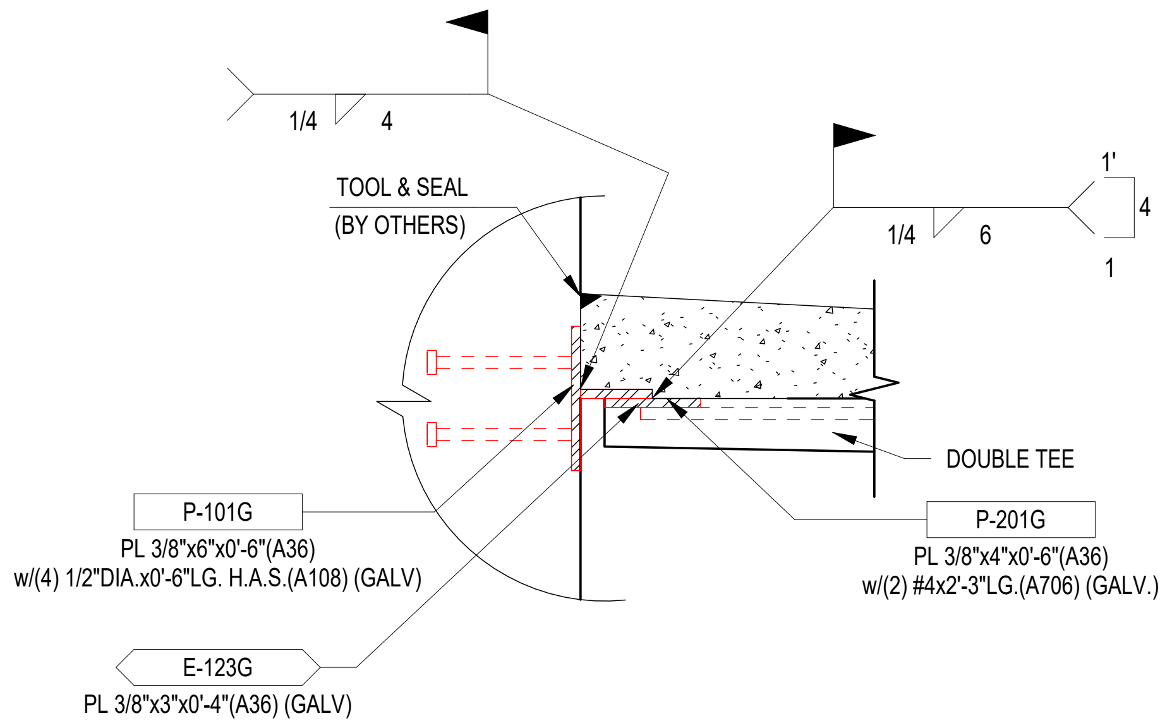

GA
1' - 10"
COLUMN
1' - 0"
10"
1" JT.
2' - 11"
CIP
JOINT
(BY OTHERS)
14
E6.01
TOOLED JOINT
(BY OTHERS)
SEE STRUCTURAL DRAWINGS
2" REC.
1/2" CHAMFER
2' - 6"
DOUBLE TEE
P-249G
PL 3/8"x4 5/8"x0'-7"(A36)
w/(1) #7x4'-6"LG.(A706)
w/(1) #7x9'-9 3/4" BENT (A706)
w/(1) #7x13'-10 3/4" BENT (A706)
w/(1) #4x5'-9" BENT (A706) (GALV)
E-002
3/8"x5"x0'-5" MASTICORD
3/8"
1' - 1"
DRAFT
9 3/8"
DAP
P-510G
PL 3/8"x7"x0'-10 1/2"(A36)
w/(3) 1/2"DIA.x0'-6"LG. H.A.S.(A108)
w/(3) #5 x 1'-11" BENT (A706) (GALV)
8"
8"
DAP
1/2" DRAFT

SEE STRUCTURAL DRAWINGS FOR C.I.P. INFO, INCLUDING REINFORCEMENT STEEL (BY OTHERS)

45


GRID
4' - 11 5/8"
COLUMN
2' - 5 13/16"
2' - 5 13/16"
1' - 8"
9 13/16"
10 3/16"
1' - 7 5/8"
47
E6.03
47
E6.03
1/2" JT.
1' - 0"
1' - 10"
10"
GA
DOUBLE TEE
DOUBLE TEE

46


1/4
4
TOOL & SEAL
(BY OTHERS)
1'
4
1
1/4
6
DOUBLE TEE
P-101G
PL 3/8"x6"x0'-6"(A36)
w/(4) 1/2"DIA.x0'-6"LG. H.A.S.(A108) (GALV)
P-201G
PL 3/8"x4"x0'-6"(A36)
w/(2) #4x2'-3"LG.(A706) (GALV.)
E-123G
PL 3/8"x3"x0'-4"(A36) (GALV)

47

DRAWN BY: OVB
CHECKED BY:
DATE: 10/27/22

SUBMITTALS/REVISIONS:

A	FOR REFERENCE	12/15/22
1	REVISION FOR RECORD 1	12/27/22

The CONSULTING ENGINEERS GROUP Inc.

PROJECT:
GRANITE RUN PHASE II
MIDDLETOWN TOWNSHIP, PA
SECTIONS AND DETAILS (37-48)

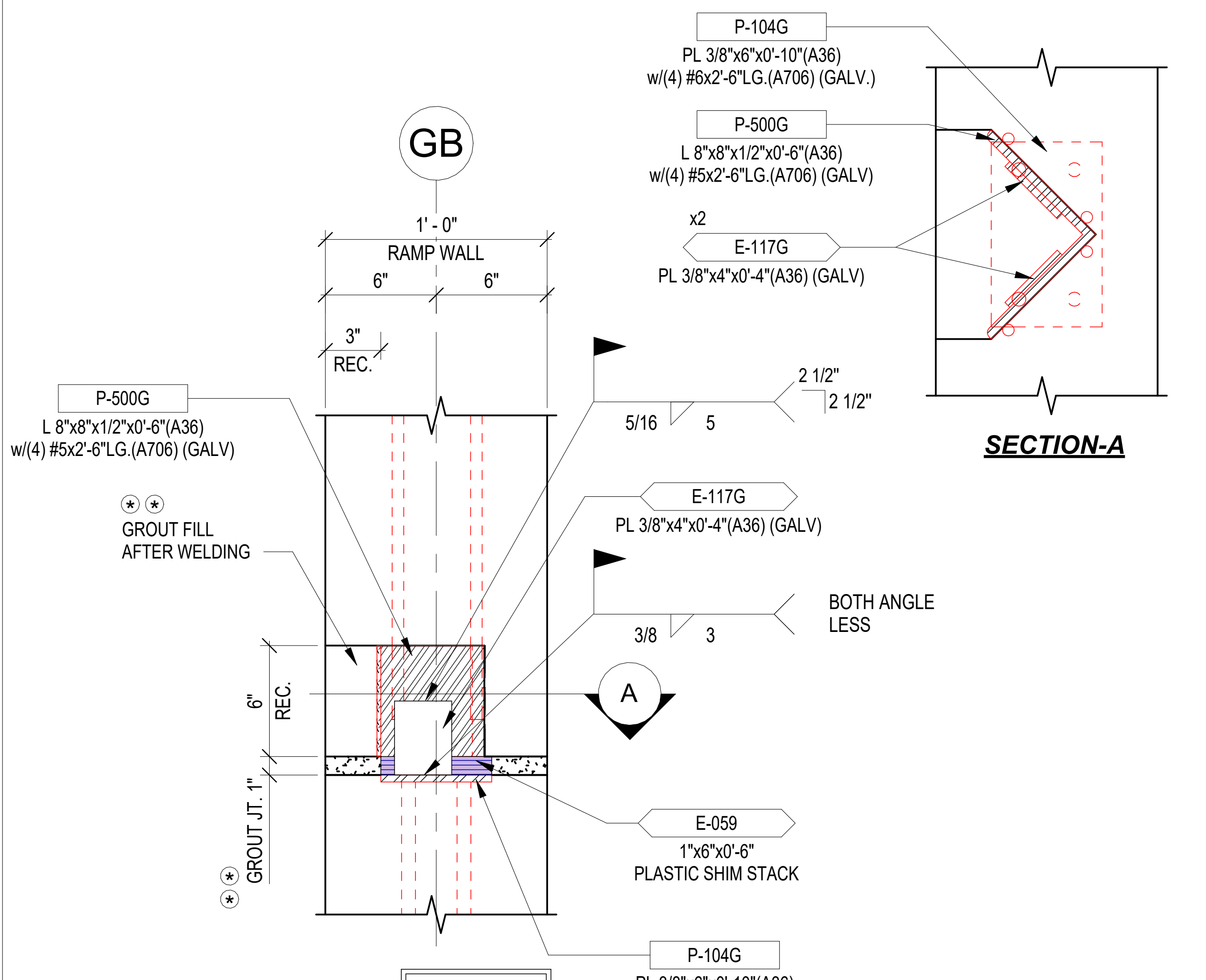
CHRIS C. KERCSMAR

JERSEY PRECAST
853 NOTTINGHAM WAY
HAMILTON TOWNSHIP, NJ 08638
PH: 609-689-3700 FAX: 609-689-3797

CEG JOB NO.
22551

JOB NO.
22040

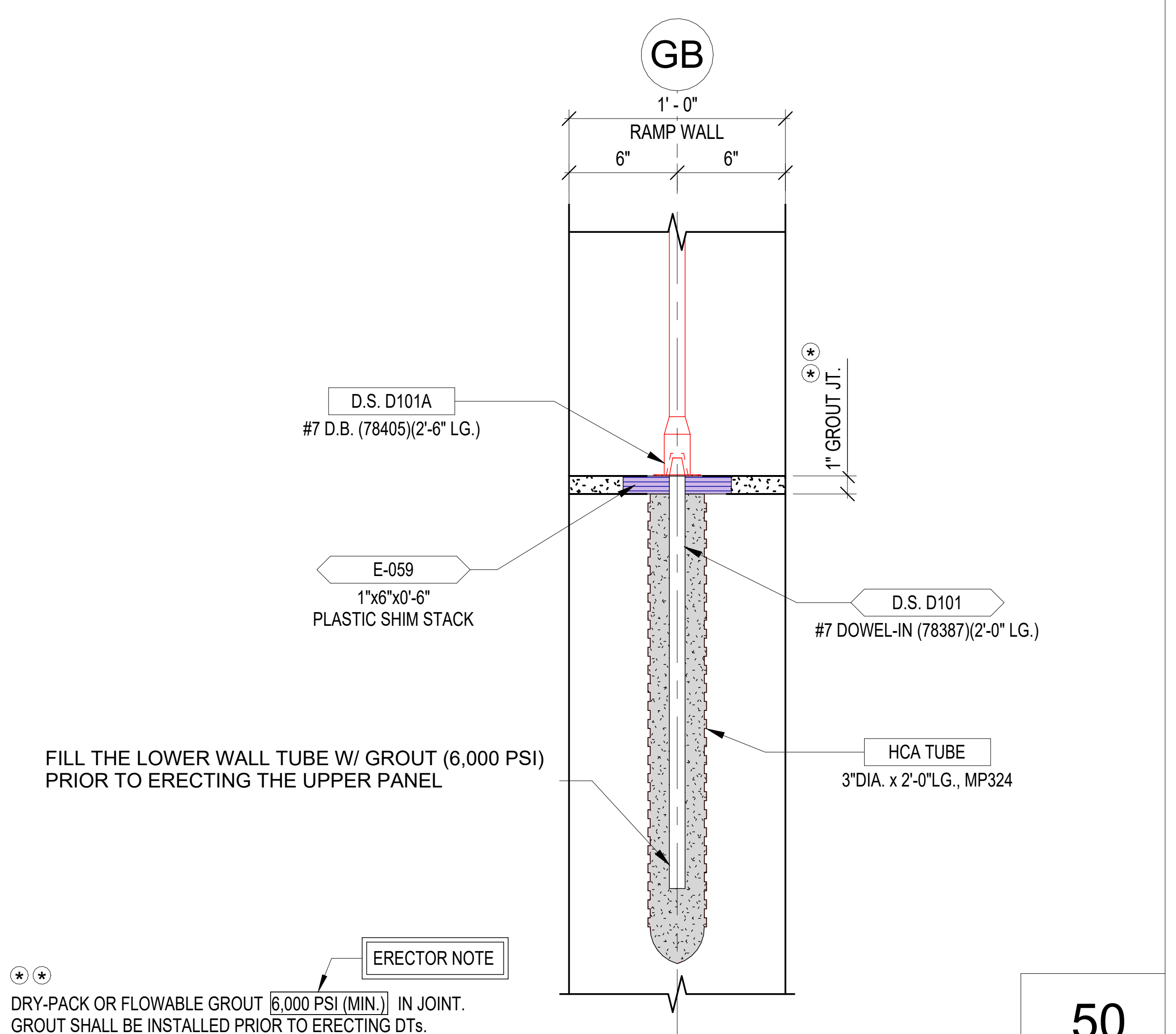
SHEET NO.
E6.03


GB
1' - 0"
RAMP WALL
6"
6"
3"
REC.
P-500G
L 8"x8"x1/2"x0'-6"(A36)
w/(4) #5x2'-6"LG.(A706) (GALV)
⊛⊛
GROUT FILL
AFTER WELDING
6"
REC.
GROUT JT. 1"
⊛
P-104G
PL 3/8"x6"x0'-10"(A36)
w/(4) #6x2'-6"LG.(A706) (GALV.)
P-500G
L 8"x8"x1/2"x0'-6"(A36)
w/(4) #5x2'-6"LG.(A706) (GALV)
x2
E-117G
PL 3/8"x4"x0'-4"(A36) (GALV)
SECTION-A
2 1/2"
2 1/2"
5/16
5
E-117G
PL 3/8"x4"x0'-4"(A36) (GALV)
3/8
3
BOTH ANGLE
LESS
A
E-059
1"x6"x0'-6"
PLASTIC SHIM STACK
P-104G
PL 3/8"x6"x0'-10"(A36)
w/(4) #6x2'-6"LG.(A706) (GALV.)

ERECTOR NOTE

⊛⊛
DRY-PACK OR FLOWABLE GROUT 6,000 PSI (MIN.) IN JOINT.
GROUT SHALL BE INSTALLED PRIOR TO ERECTING DTs.

49

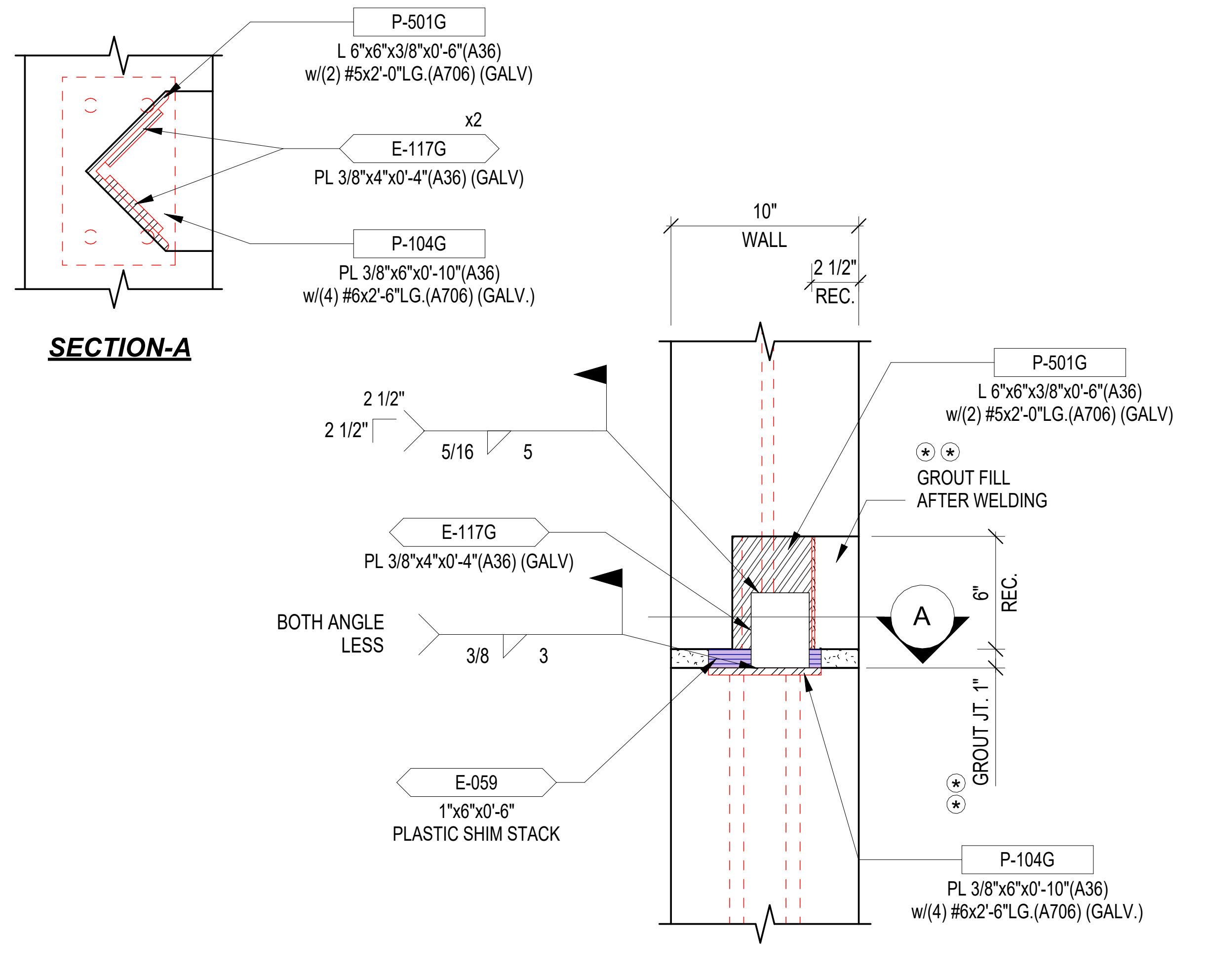

GB
1' - 0"
RAMP WALL
6"
6"
D.S. D101A
#7 D.B. (78405)(2'-6" LG.)
⊛
1" GROUT JT.
E-059
1"x6"x0'-6"
PLASTIC SHIM STACK
D.S. D101
#7 DOWEL-IN (78387)(2'-0" LG.)
HCA TUBE
3"DIA. x 2'-0"LG., MP324

FILL THE LOWER WALL TUBE W/ GROUT (6,000 PSI)
PRIOR TO ERECTING THE UPPER PANEL

ERECTOR NOTE

⊛⊛
DRY-PACK OR FLOWABLE GROUT 6,000 PSI (MIN.) IN JOINT.
GROUT SHALL BE INSTALLED PRIOR TO ERECTING DTs.

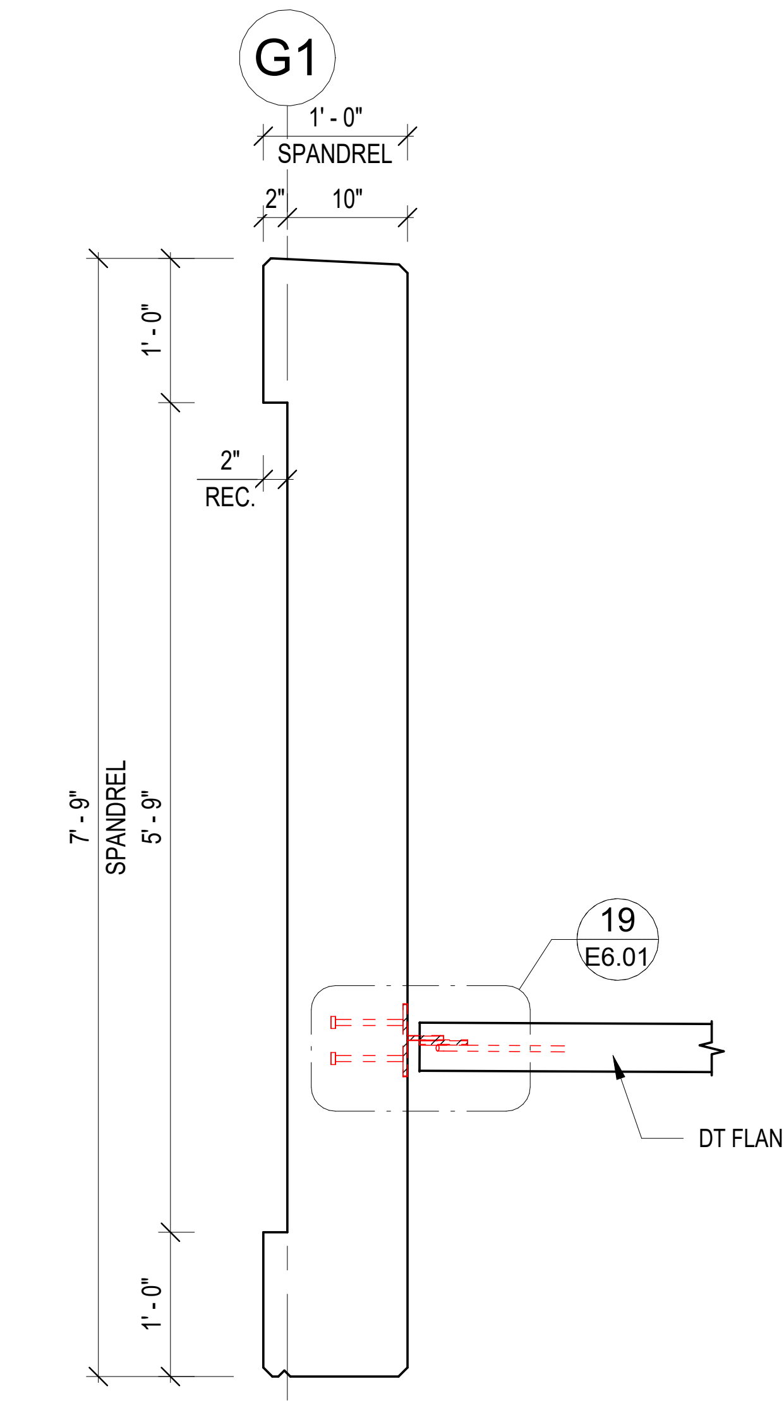
50


SECTION-A
P-501G
L 6"x6"x3/8"x0'-6"(A36)
w/(2) #5x2'-0"LG.(A706) (GALV)
x2
E-117G
PL 3/8"x4"x0'-4"(A36) (GALV)
P-104G
PL 3/8"x6"x0'-10"(A36)
w/(4) #6x2'-6"LG.(A706) (GALV.)
10"
WALL
2 1/2"
REC.
2 1/2"
2 1/2"
5/16
5
E-117G
PL 3/8"x4"x0'-4"(A36) (GALV)
BOTH ANGLE
LESS
3/8
3
E-059
1"x6"x0'-6"
PLASTIC SHIM STACK
P-501G
L 6"x6"x3/8"x0'-6"(A36)
w/(2) #5x2'-0"LG.(A706) (GALV)
⊛⊛
GROUT FILL
AFTER WELDING
A
6"
REC.
GROUT JT. 1"
⊛
P-104G
PL 3/8"x6"x0'-10"(A36)
w/(4) #6x2'-6"LG.(A706) (GALV.)

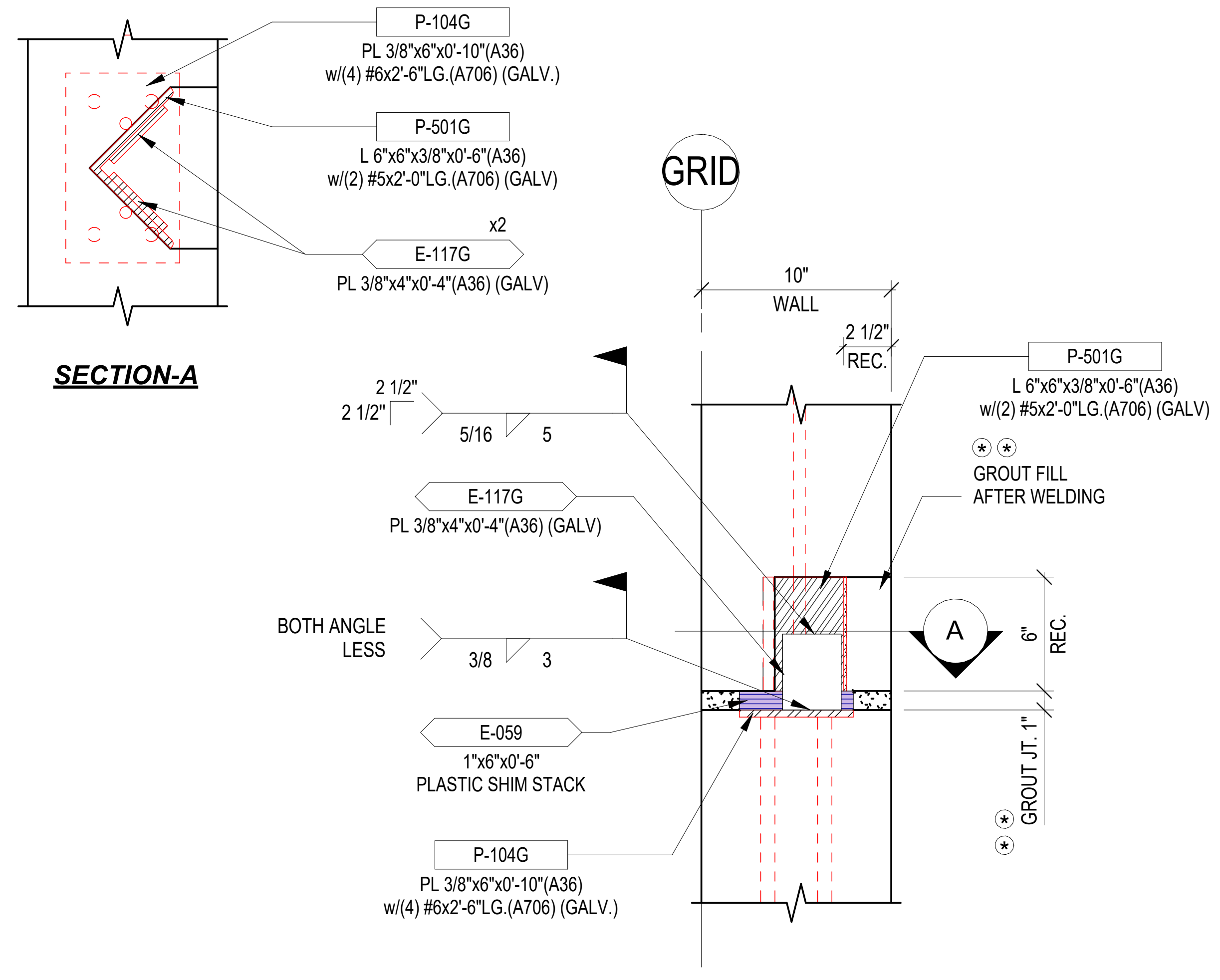
ERECTOR NOTE

⊛⊛
DRY-PACK OR FLOWABLE GROUT 6,000 PSI (MIN.) IN JOINT.
GROUT SHALL BE INSTALLED PRIOR TO ERECTING DTs.

51


G1
1' - 0"
SPANDREL
2"
10"
1' - 0"
2"
REC.
7'- 9"
SPANDREL
5'- 9"
1' - 0"
19
E6.01
DT FLANGE

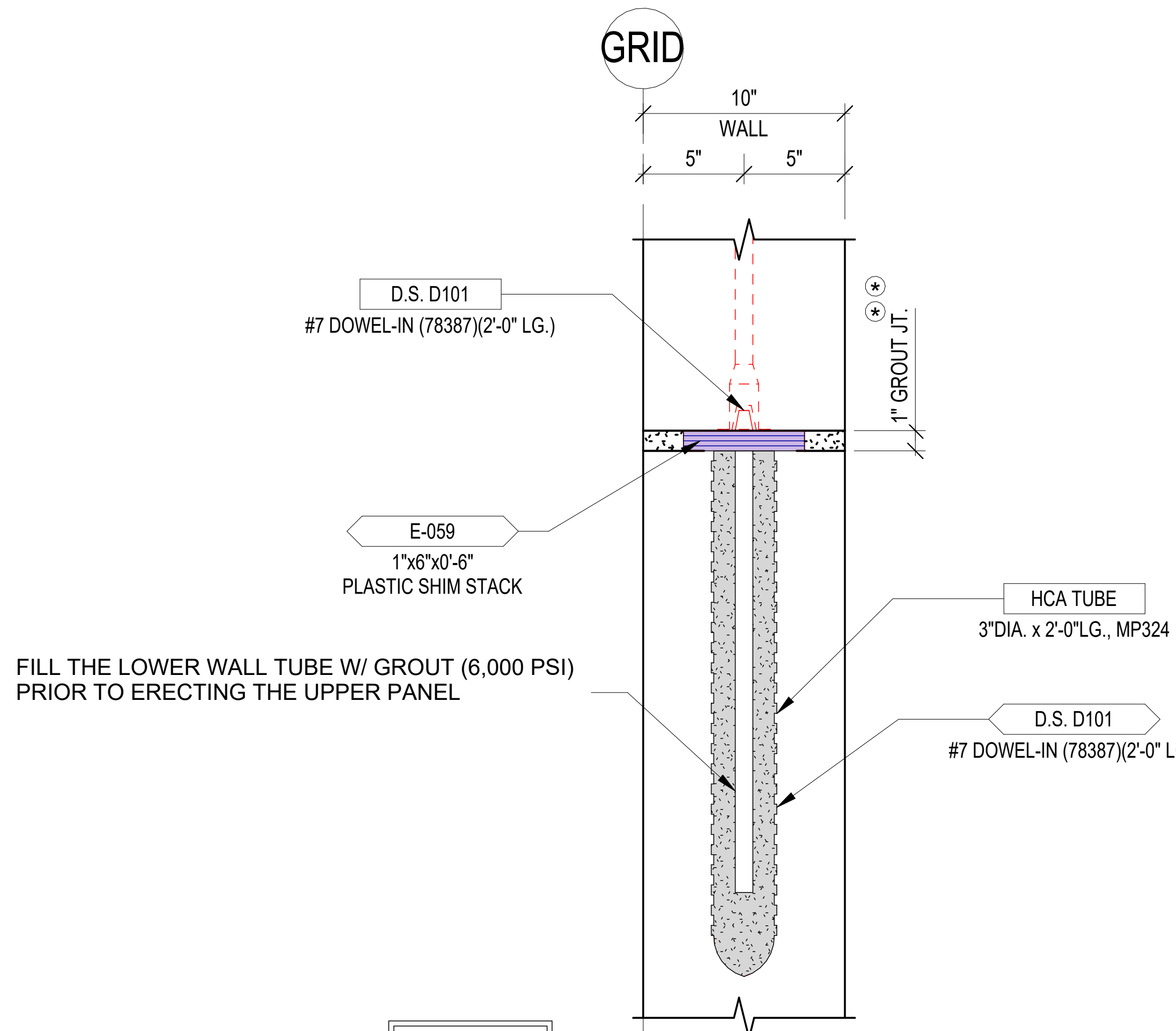
52


P-104G
PL 3/8"x6"x0'-10"(A36)
w/(4) #6x2'-6"LG.(A706) (GALV.)
P-501G
L 6"x6"x3/8"x0'-6"(A36)
w/(2) #5x2'-0"LG.(A706) (GALV)
x2
E-117G
PL 3/8"x4"x0'-4"(A36) (GALV)
SECTION-A
GRID
10"
WALL
2 1/2"
REC.
2 1/2"
2 1/2"
5/16
5
P-501G
L 6"x6"x3/8"x0'-6"(A36)
w/(2) #5x2'-0"LG.(A706) (GALV)
⊛⊛
GROUT FILL
AFTER WELDING
E-117G
PL 3/8"x4"x0'-4"(A36) (GALV)
BOTH ANGLE
LESS
3/8
3
A
6"
REC.
E-059
1"x6"x0'-6"
PLASTIC SHIM STACK
GROUT JT. 1"
⊛
P-104G
PL 3/8"x6"x0'-10"(A36)
w/(4) #6x2'-6"LG.(A706) (GALV.)

ERECTOR NOTE

⊛⊛
DRY-PACK OR FLOWABLE GROUT 6,000 PSI (MIN.) IN JOINT.
GROUT SHALL BE INSTALLED PRIOR TO ERECTING DTs.

53

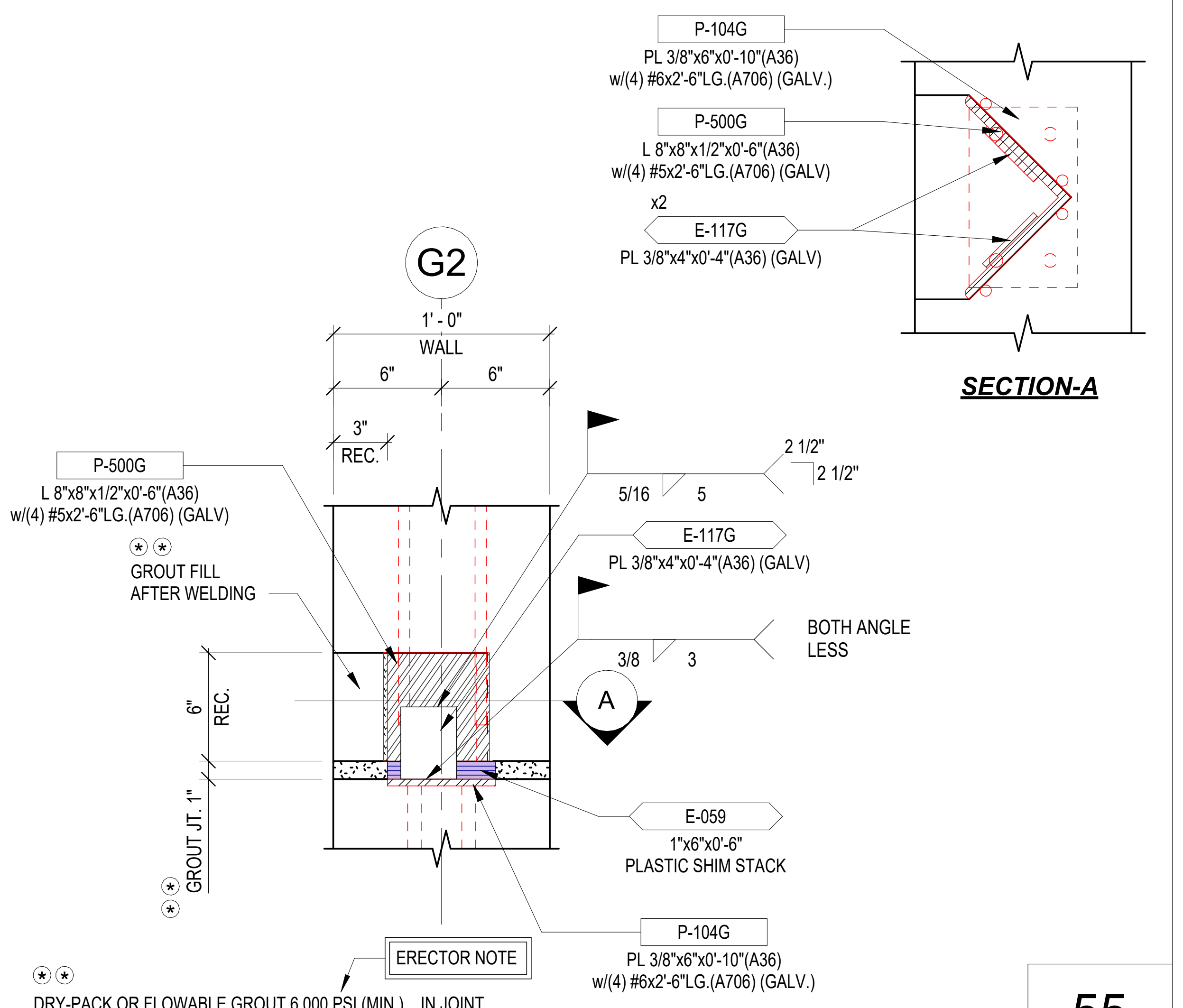

GRID
10"
WALL
5"
5"
D.S. D101
#7 DOWEL-IN (78387)(2'-0" LG.)
⊛
1" GROUT JT.
E-059
1"x6"x0'-6"
PLASTIC SHIM STACK
HCA TUBE
3"DIA. x 2'-0"LG., MP324
D.S. D101
#7 DOWEL-IN (78387)(2'-0" LG.)

FILL THE LOWER WALL TUBE W/ GROUT (6,000 PSI)
PRIOR TO ERECTING THE UPPER PANEL

ERECTOR NOTE

⊛⊛
DRY-PACK OR FLOWABLE GROUT 6,000 PSI (MIN.) IN JOINT.
GROUT SHALL BE INSTALLED PRIOR TO ERECTING DTs.

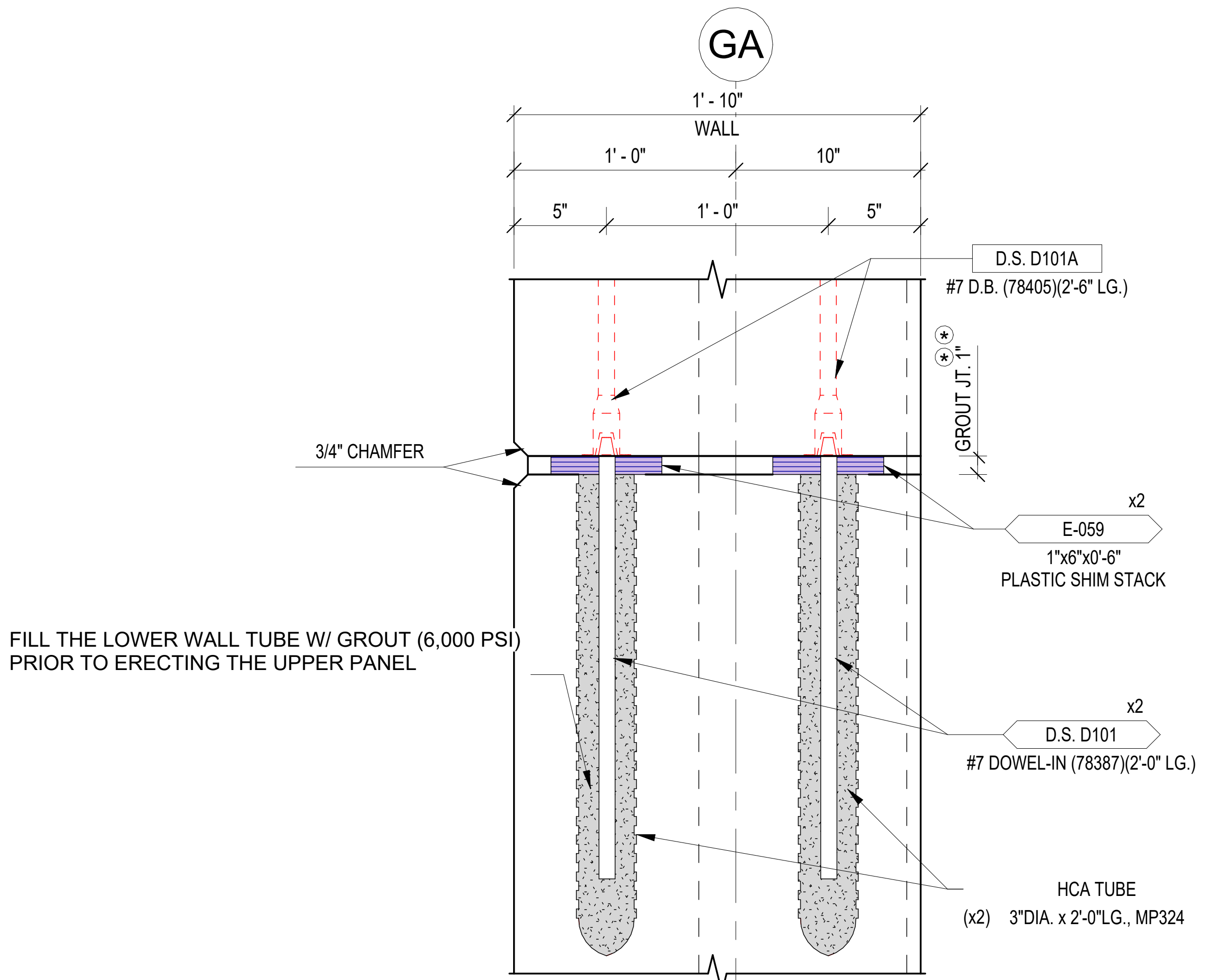
54


P-104G
PL 3/8"x6"x0'-10"(A36)
w/(4) #6x2'-6"LG.(A706) (GALV.)
P-500G
L 8"x8"x1/2"x0'-6"(A36)
w/(4) #5x2'-6"LG.(A706) (GALV)
x2
E-117G
PL 3/8"x4"x0'-4"(A36) (GALV)
SECTION-A
G2
1' - 0"
WALL
6"
6"
3"
REC.
P-500G
L 8"x8"x1/2"x0'-6"(A36)
w/(4) #5x2'-6"LG.(A706) (GALV)
⊛⊛
GROUT FILL
AFTER WELDING
2 1/2"
2 1/2"
5/16
5
E-117G
PL 3/8"x4"x0'-4"(A36) (GALV)
3/8
3
BOTH ANGLE
LESS
A
6"
REC.
GROUT JT. 1"
⊛
E-059
1"x6"x0'-6"
PLASTIC SHIM STACK
P-104G
PL 3/8"x6"x0'-10"(A36)
w/(4) #6x2'-6"LG.(A706) (GALV.)

ERECTOR NOTE

⊛⊛
DRY-PACK OR FLOWABLE GROUT 6,000 PSI (MIN.) IN JOINT.
GROUT SHALL BE INSTALLED PRIOR TO ERECTING DTs.

55

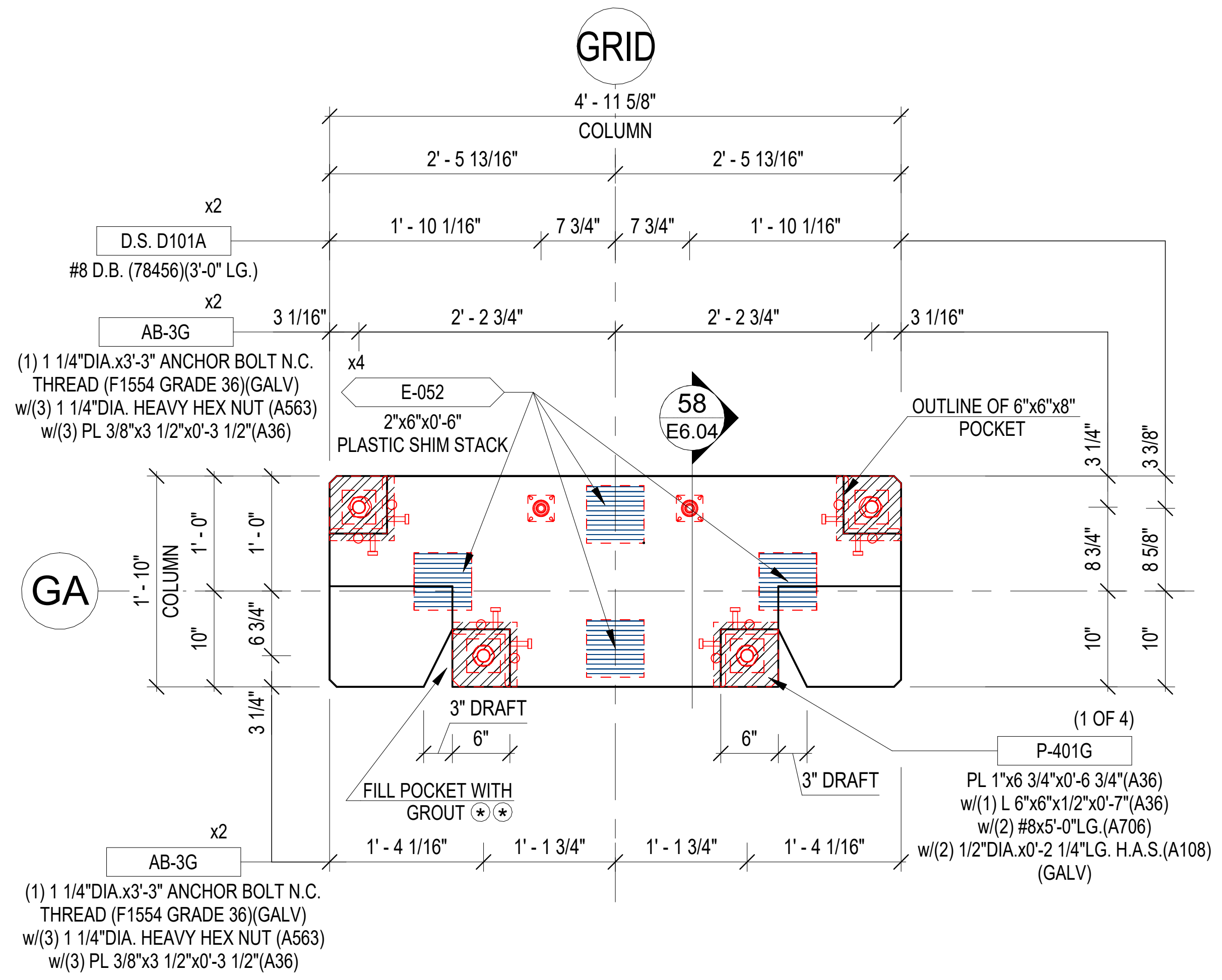

GA
1' - 10"
WALL
1' - 0"
10"
5"
1' - 0"
5"
D.S. D101A
#7 D.B. (78405)(2'-6" LG.)
⊛
GROUT JT. 1"
3/4" CHAMFER
x2
E-059
1"x6"x0'-6"
PLASTIC SHIM STACK
x2
D.S. D101
#7 DOWEL-IN (78387)(2'-0" LG.)
HCA TUBE
(x2) 3"DIA. x 2'-0"LG., MP324

FILL THE LOWER WALL TUBE W/ GROUT (6,000 PSI)
PRIOR TO ERECTING THE UPPER PANEL

ERECTOR NOTE

⊛⊛
DRY-PACK OR FLOWABLE GROUT 6,000 PSI (MIN.) IN JOINT.
GROUT SHALL BE INSTALLED PRIOR TO ERECTING DTs.

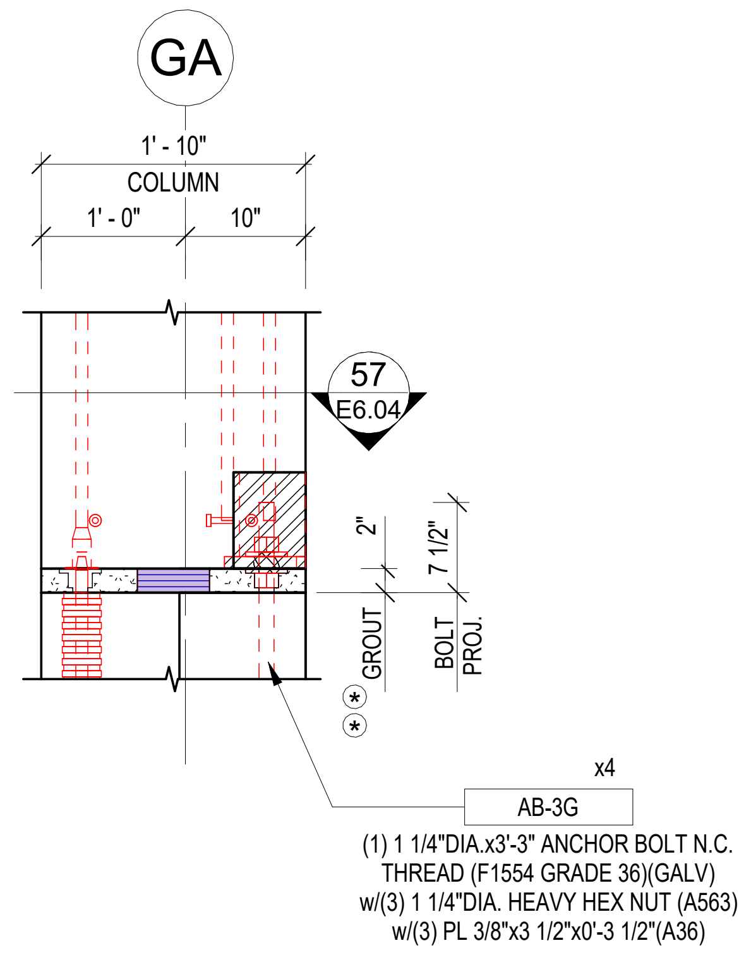
56


GRID
4' - 11 5/8"
COLUMN
2' - 5 13/16"
2' - 5 13/16"
x2
D.S. D101A
#8 D.B. (78456)(3'-0" LG.)
1' - 10 1/16"
7 3/4"
7 3/4"
1' - 10 1/16"
x2
AB-3G
(1) 1 1/4"DIA.x3'-3" ANCHOR BOLT N.C.
THREAD (F1554 GRADE 36)(GALV)
w/(3) 1 1/4"DIA. HEAVY HEX NUT (A563)
w/(3) PL 3/8"x3 1/2"x0'-3 1/2"(A36)
3 1/16"
2' - 2 3/4"
2' - 2 3/4"
3 1/16"
x4
E-052
2"x6"x0'-6"
PLASTIC SHIM STACK
58
E6.04
OUTLINE OF 6"x6"x8"
POCKET
3 1/4"
3 3/8"
8 3/4"
8 5/8"
10"
10"
GA
1' - 10"
COLUMN
1' - 0"
1' - 0"
10"
6 3/4"
3 1/4"
3" DRAFT
6"
6"
3" DRAFT
FILL POCKET WITH
GROUT ⊛⊛
(1 OF 4)
P-401G
PL 1"x6 3/4"x0'-6 3/4"(A36)
w/(1) L 6"x6"x1/2"x0'-7"(A36)
w/(2) #8x5'-0"LG.(A706)
w/(2) 1/2"DIA.x0'-2 1/4"LG. H.A.S.(A108)
(GALV)
x2
AB-3G
(1) 1 1/4"DIA.x3'-3" ANCHOR BOLT N.C.
THREAD (F1554 GRADE 36)(GALV)
w/(3) 1 1/4"DIA. HEAVY HEX NUT (A563)
w/(3) PL 3/8"x3 1/2"x0'-3 1/2"(A36)
1' - 4 1/16"
1' - 1 3/4"
1' - 1 3/4"
1' - 4 1/16"

ERECTOR NOTE

⊛⊛ DRY-PACK OR FLOWABLE GROUT 9,000 PSI (MIN.) IN JOINT.
GROUT SHALL BE INSTALLED PRIOR TO ERECTING DTs.

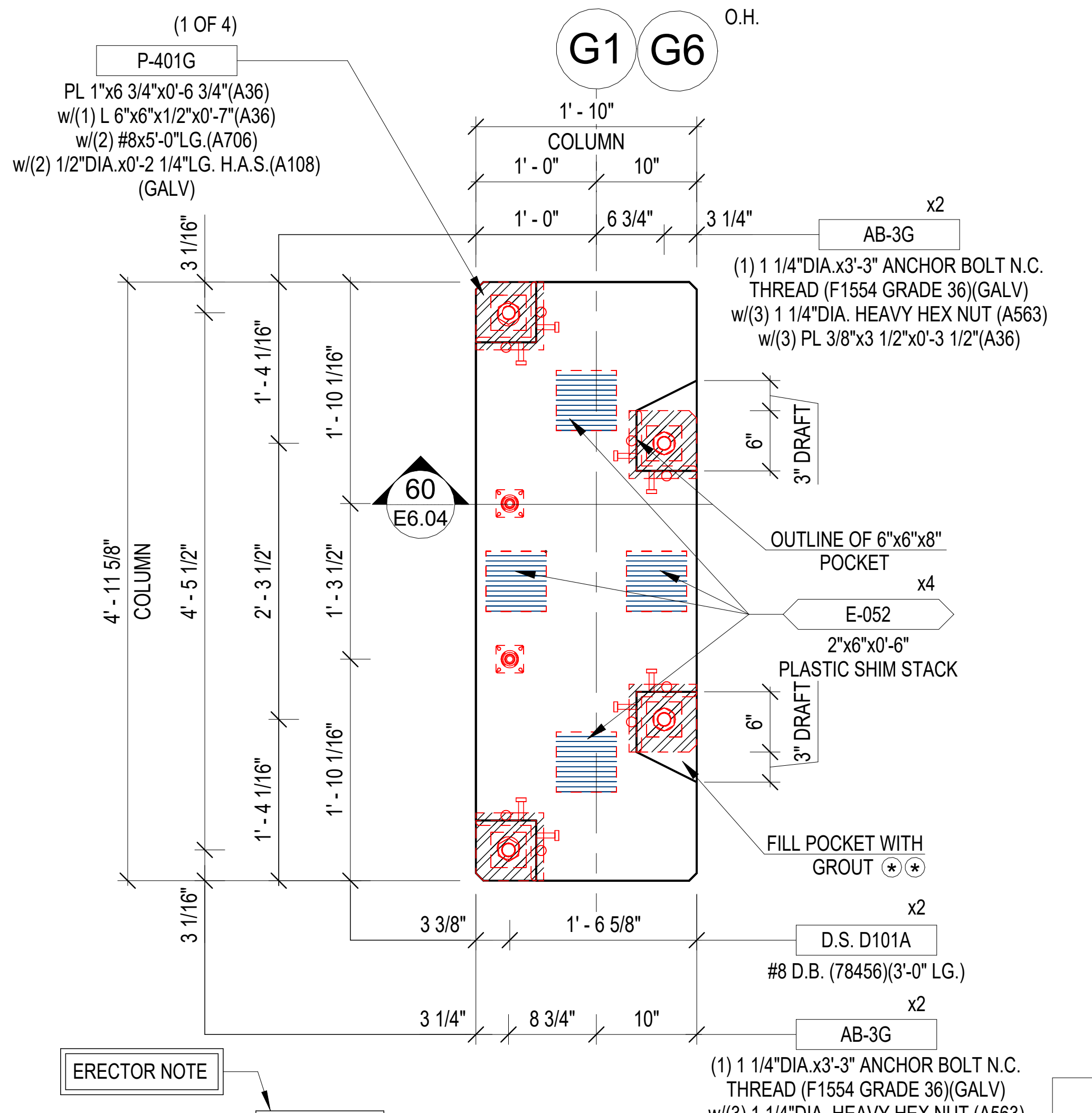
57


GA
1' - 10"
COLUMN
1' - 0"
10"
57
E6.04
2"
7 1/2"
GROUT
BOLT
PROJ.
⊛⊛
x4
AB-3G
(1) 1 1/4"DIA.x3'-3" ANCHOR BOLT N.C.
THREAD (F1554 GRADE 36)(GALV)
w/(3) 1 1/4"DIA. HEAVY HEX NUT (A563)
w/(3) PL 3/8"x3 1/2"x0'-3 1/2"(A36)

ERECTOR NOTE

⊛⊛ DRY-PACK OR FLOWABLE GROUT 9,000 PSI (MIN.) IN JOINT.
GROUT SHALL BE INSTALLED PRIOR TO ERECTING DTs.

58

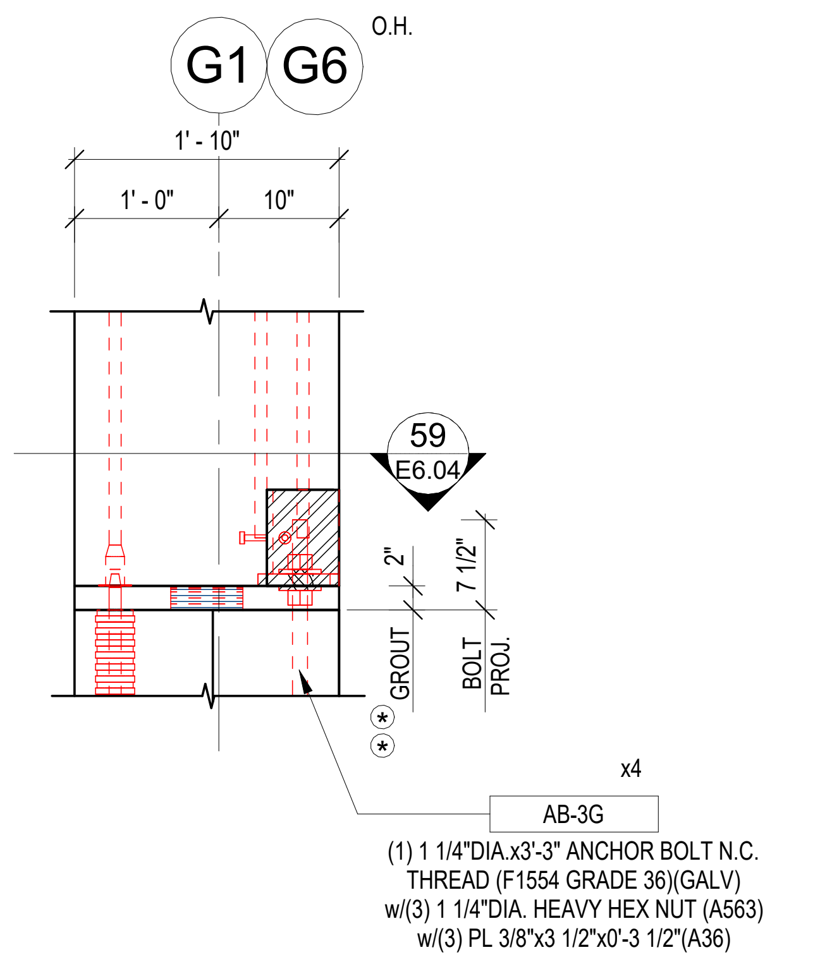

(1 OF 4)
P-401G
PL 1"x6 3/4"x0'-6 3/4"(A36)
w/(1) L 6"x6"x1/2"x0'-7"(A36)
w/(2) #8x5'-0"LG.(A706)
w/(2) 1/2"DIA.x0'-2 1/4"LG. H.A.S.(A108)
(GALV)
G1
G6
O.H.
1' - 10"
COLUMN
1' - 0"
10"
1' - 0"
6 3/4"
3 1/4"
x2
AB-3G
(1) 1 1/4"DIA.x3'-3" ANCHOR BOLT N.C.
THREAD (F1554 GRADE 36)(GALV)
w/(3) 1 1/4"DIA. HEAVY HEX NUT (A563)
w/(3) PL 3/8"x3 1/2"x0'-3 1/2"(A36)
3 1/16"
4' - 11 5/8"
COLUMN
4' - 5 1/2"
1' - 4 1/16"
2' - 3 1/2"
1' - 4 1/16"
1' - 10 1/16"
1' - 3 1/2"
1' - 10 1/16"
3 1/16"
60
E6.04
6"
3" DRAFT
OUTLINE OF 6"x6"x8"
POCKET
x4
E-052
2"x6"x0'-6"
PLASTIC SHIM STACK
6"
3" DRAFT
FILL POCKET WITH
GROUT ⊛⊛
3 3/8"
1' - 6 5/8"
x2
D.S. D101A
#8 D.B. (78456)(3'-0" LG.)
3 1/4"
8 3/4"
10"
x2
AB-3G
(1) 1 1/4"DIA.x3'-3" ANCHOR BOLT N.C.
THREAD (F1554 GRADE 36)(GALV)
w/(3) 1 1/4"DIA. HEAVY HEX NUT (A563)
w/(3) PL 3/8"x3 1/2"x0'-3 1/2"(A36)

ERECTOR NOTE

⊛⊛ DRY-PACK OR FLOWABLE GROUT 9,000 PSI (MIN.) IN JOINT.
GROUT SHALL BE INSTALLED PRIOR TO ERECTING DTs.

59

CHRIS C. KERCSMAR
PE062269
2/22/2


G1
G6
O.H.
1' - 10"
1' - 0"
10"
59
E6.04
2"
7 1/2"
GROUT
BOLT
PROJ.
⊛⊛
x4
AB-3G
(1) 1 1/4"DIA.x3'-3" ANCHOR BOLT N.C.
THREAD (F1554 GRADE 36)(GALV)
w/(3) 1 1/4"DIA. HEAVY HEX NUT (A563)
w/(3) PL 3/8"x3 1/2"x0'-3 1/2"(A36)

ERECTOR NOTE

⊛⊛ DRY-PACK OR FLOWABLE GROUT 9,000 PSI (MIN.) IN JOINT.
GROUT SHALL BE INSTALLED PRIOR TO ERECTING DTs.

60

DRAWN BY: OOM
CHECKED BY:
DATE: 11/04/22

SUBMITTALS/REVISIONS:

A	FOR APPROVAL	01/05/23

CEG
The CONSULTING ENGINEERS GROUP Inc.
16302 Pleasantville Road - SUITE 100 - SAN ANTONIO, TX 78233
210 637-0977 FAX 210 637-1172 E-MAIL engineers@cegtex.com

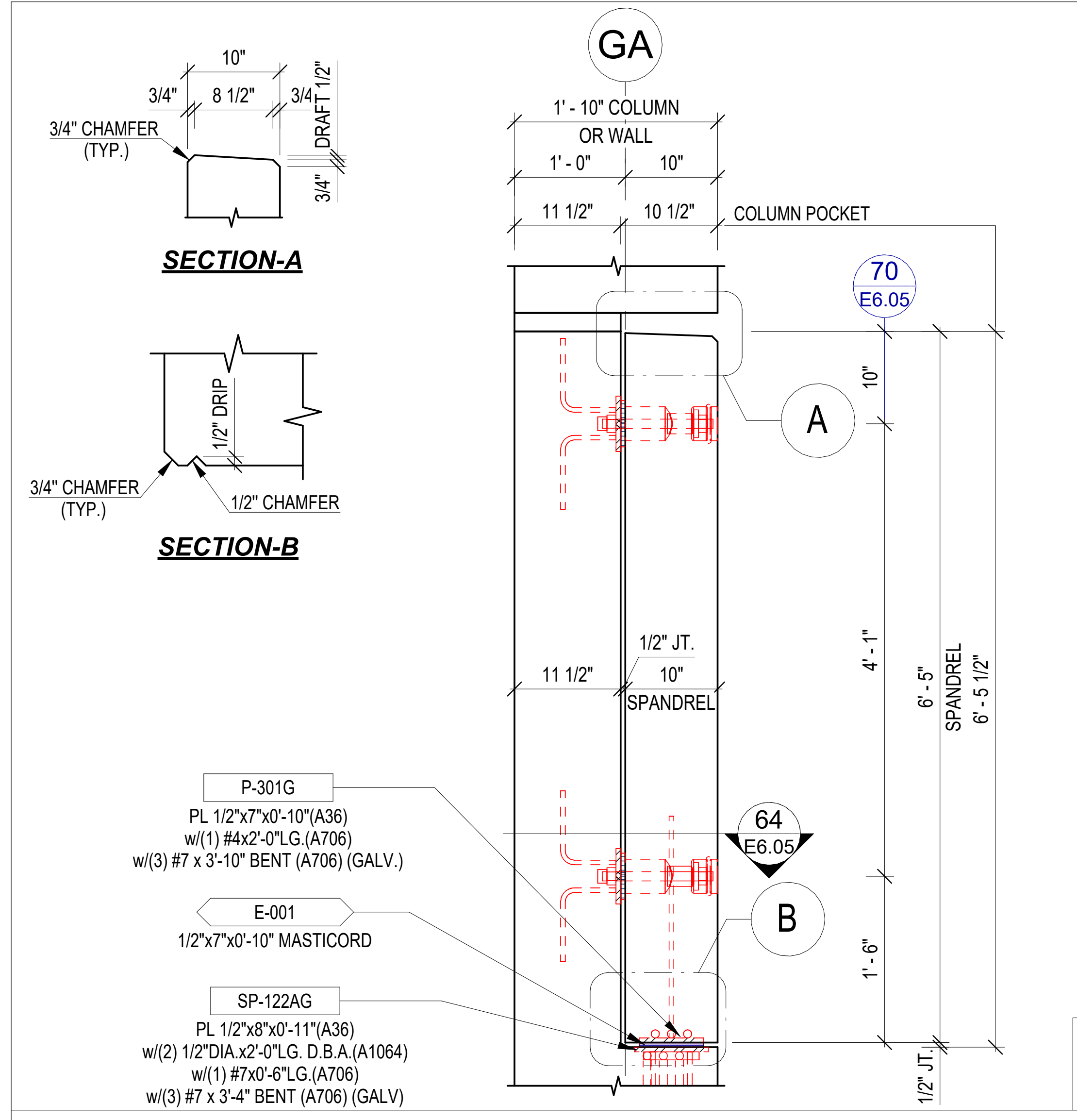
PROJECT:
GRANITE RUN PHASE II
MIDDLETOWN TOWNSHIP, PA
SECTIONS AND DETAILS (49-60)

JPC
JERSEY PRECAST
853 NOTTINGHAM WAY
HAMILTON TOWNSHIP, NJ 08638
PH: 609-689-3700 FAX: 609-689-3797

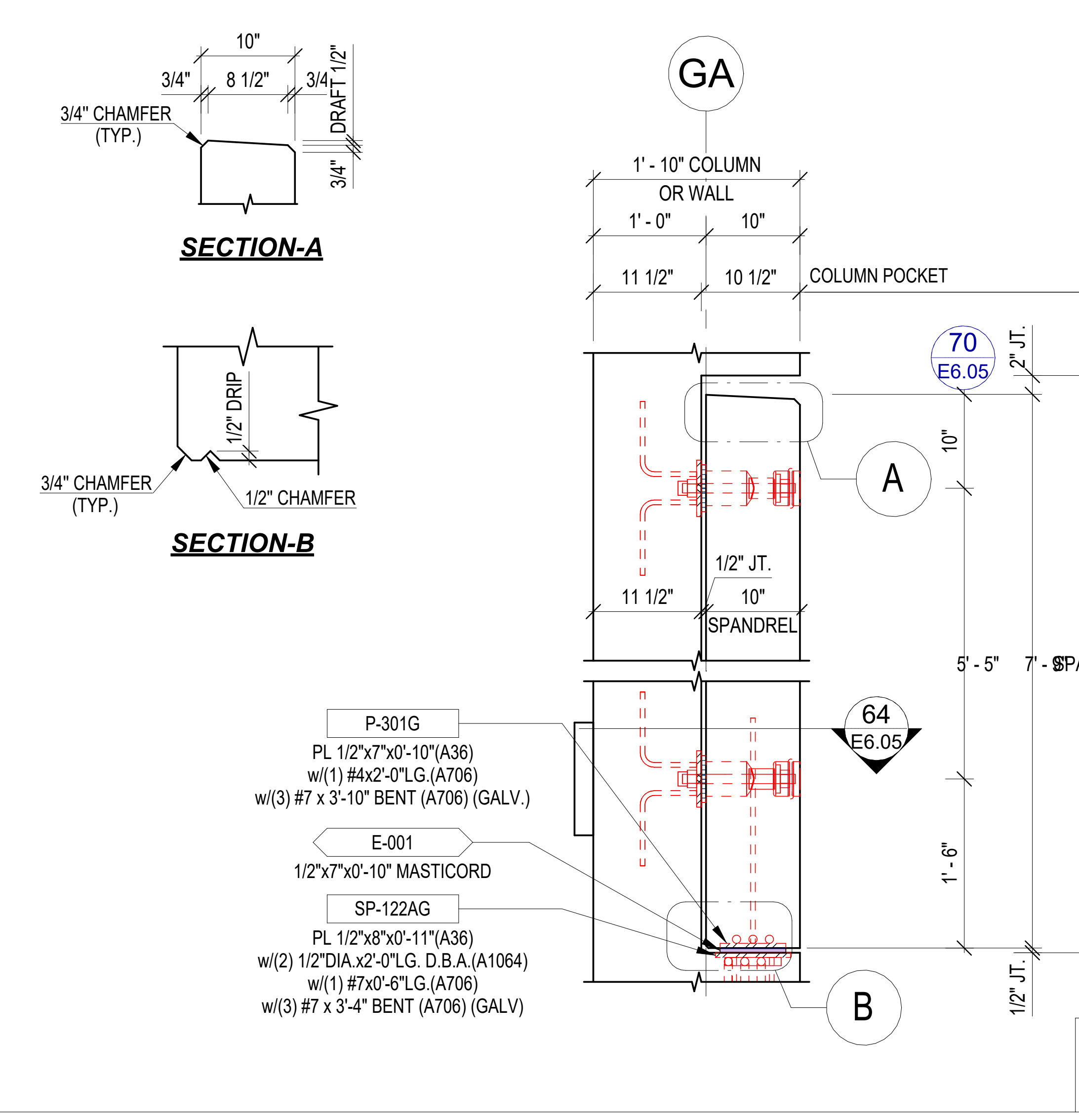
CEG JOB NO.
22551

JOB NO.
22040

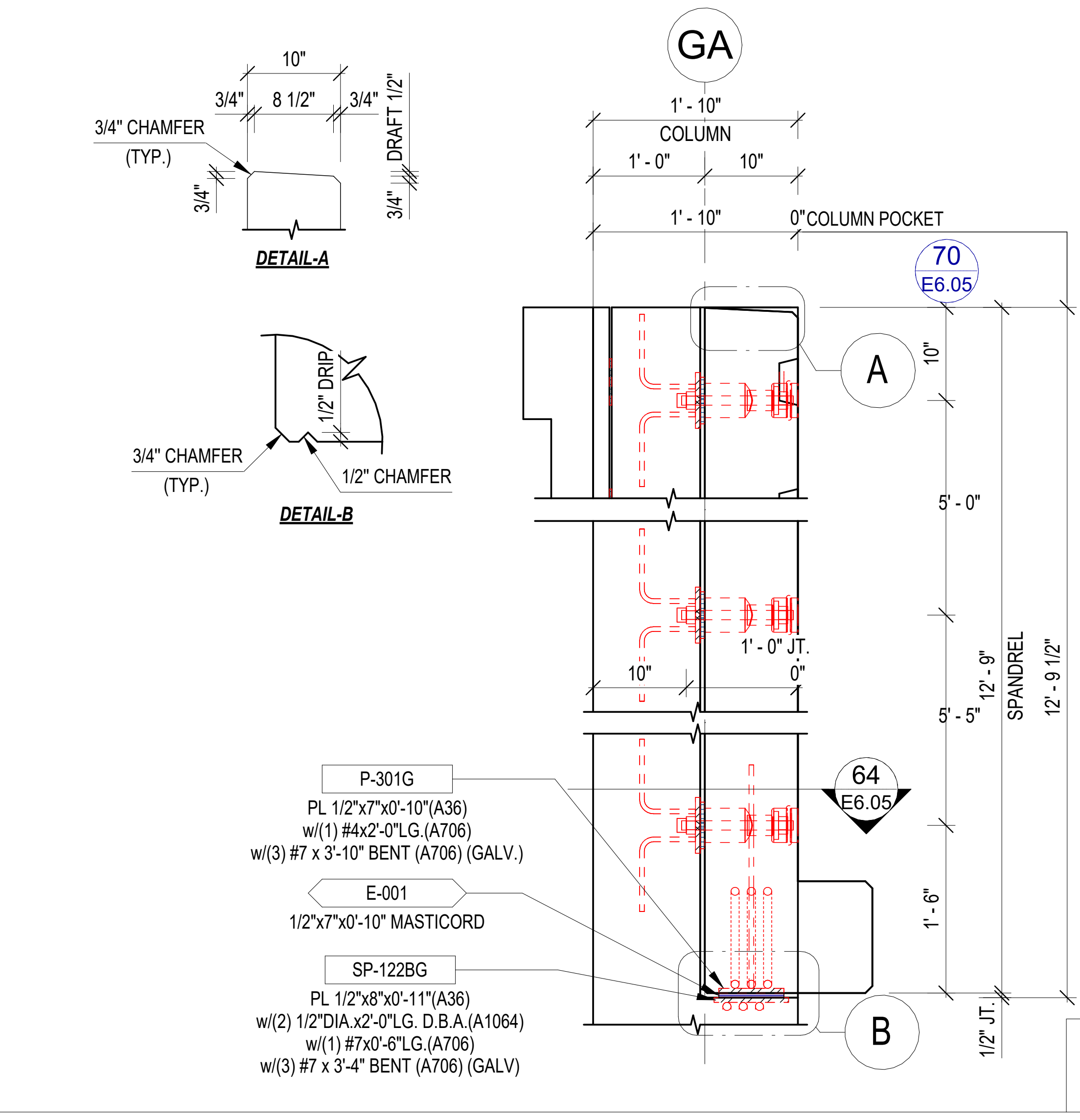
SHEET NO.
E6.04


GA
SECTION-A
SECTION-B
10"
3/4"
8 1/2"
DRAFT 1/2"
3/4" CHAMFER (TYP.)
1/2" DRIP
1/2" CHAMFER
1' - 10" COLUMN OR WALL
1' - 0"
11 1/2"
10 1/2"
COLUMN POCKET
70 E6.05
A
B
1/2" JT.
SPANDREL
4' - 1"
6' - 5"
6' - 5 1/2"
1' - 6"
64 E6.05
P-301G
PL 1/2"x7"x0'-10"(A36) w/(1) #4x2'-0"LG.(A706) w/(3) #7 x 3'-10" BENT (A706) (GALV.)
E-001
1/2"x7"x0'-10" MASTICORD
SP-122AG
PL 1/2"x8"x0'-11"(A36) w/(2) 1/2"DIA.x2'-0"LG. D.B.A.(A1064) w/(1) #7x0'-6"LG.(A706) w/(3) #7 x 3'-4" BENT (A706) (GALV.)

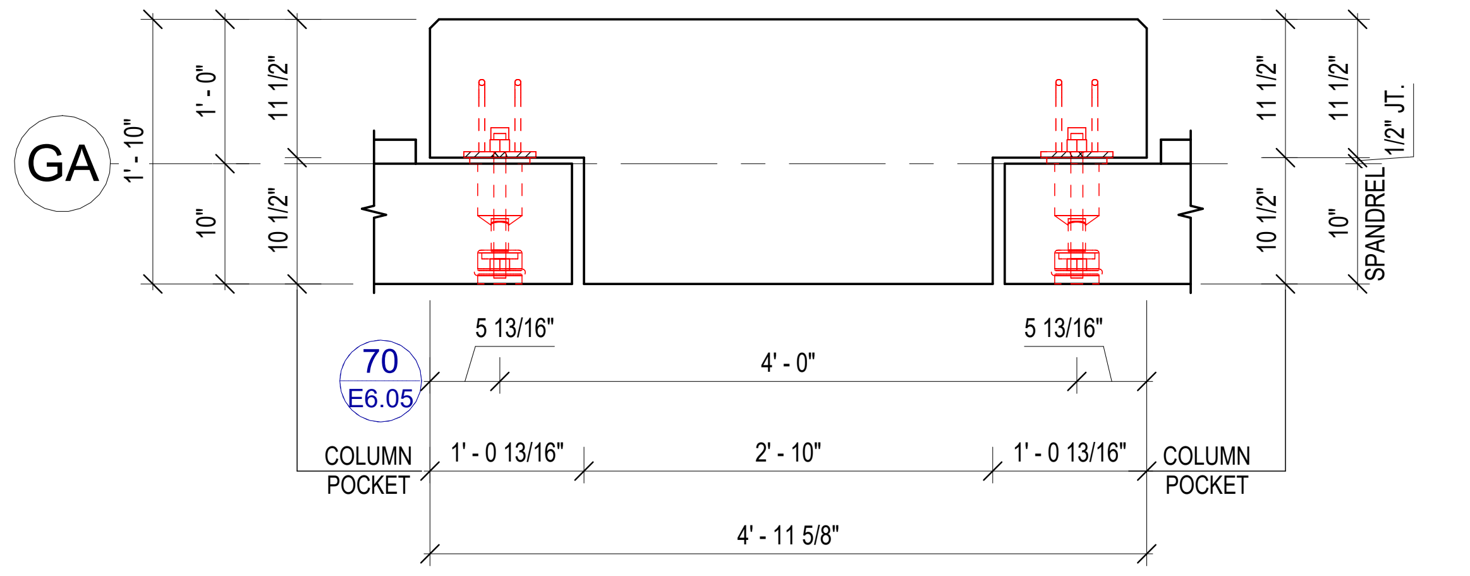
61


GA
SECTION-A
SECTION-B
10"
3/4"
8 1/2"
DRAFT 1/2"
3/4" CHAMFER (TYP.)
1/2" DRIP
1/2" CHAMFER
1' - 10" COLUMN OR WALL
1' - 0"
11 1/2"
10 1/2"
COLUMN POCKET
70 E6.05
2" JT.
A
B
1/2" JT.
SPANDREL
5' - 5"
7' - 8 1/2"
1' - 6"
64 E6.05
P-301G
PL 1/2"x7"x0'-10"(A36) w/(1) #4x2'-0"LG.(A706) w/(3) #7 x 3'-10" BENT (A706) (GALV.)
E-001
1/2"x7"x0'-10" MASTICORD
SP-122AG
PL 1/2"x8"x0'-11"(A36) w/(2) 1/2"DIA.x2'-0"LG. D.B.A.(A1064) w/(1) #7x0'-6"LG.(A706) w/(3) #7 x 3'-4" BENT (A706) (GALV.)

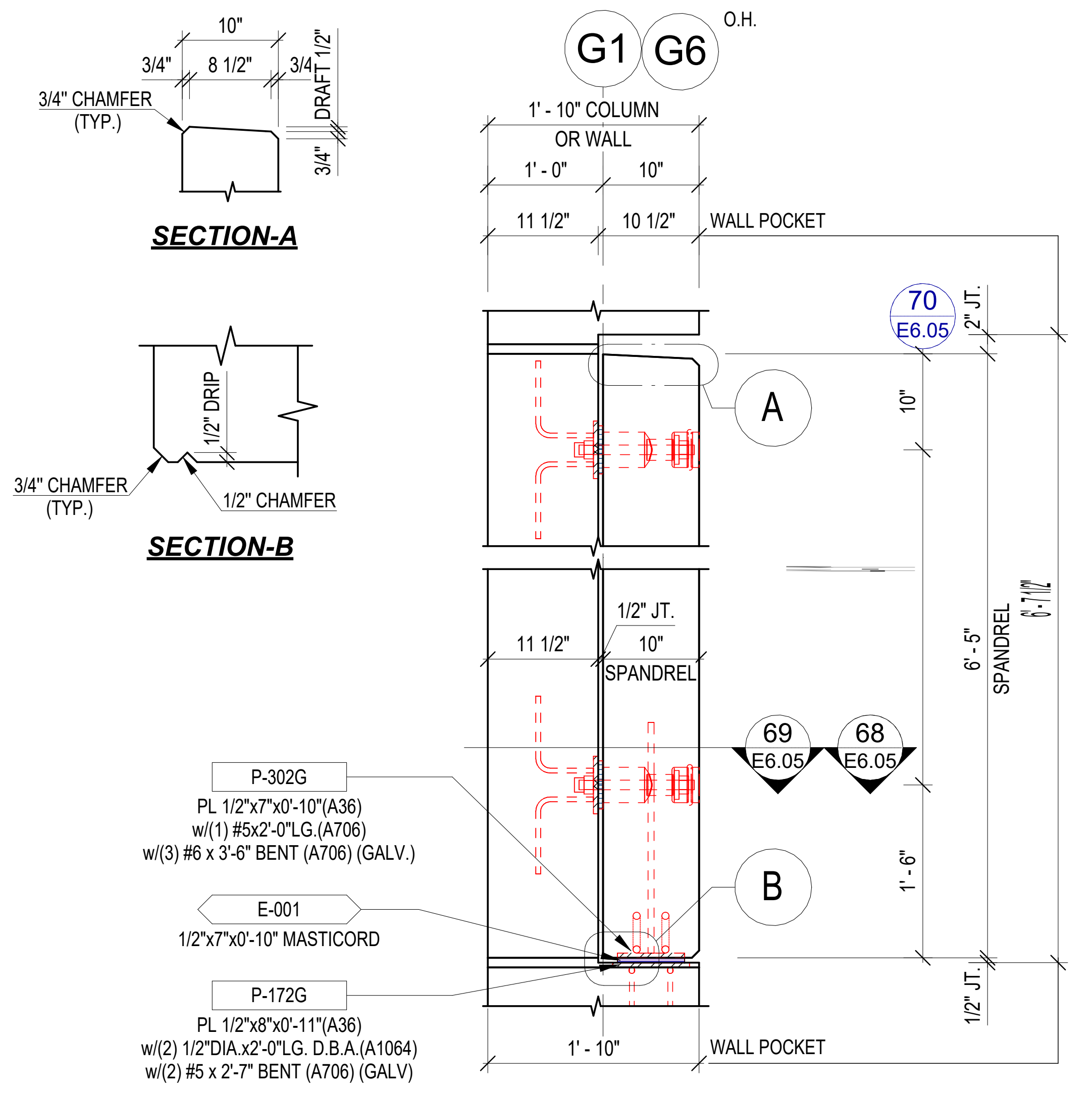
62


GA
DETAIL-A
DETAIL-B
10"
3/4"
8 1/2"
DRAFT 1/2"
3/4" CHAMFER (TYP.)
1/2" DRIP
1/2" CHAMFER
1' - 10" COLUMN
1' - 0"
0" COLUMN POCKET
70 E6.05
A
B
5' - 0"
5' - 5"
1' - 0" JT.
12' - 9"
12' - 9 1/2"
SPANDREL
1' - 6"
1/2" JT.
64 E6.05
P-301G
PL 1/2"x7"x0'-10"(A36) w/(1) #4x2'-0"LG.(A706) w/(3) #7 x 3'-10" BENT (A706) (GALV.)
E-001
1/2"x7"x0'-10" MASTICORD
SP-122BG
PL 1/2"x8"x0'-11"(A36) w/(2) 1/2"DIA.x2'-0"LG. D.B.A.(A1064) w/(1) #7x0'-6"LG.(A706) w/(3) #7 x 3'-4" BENT (A706) (GALV.)

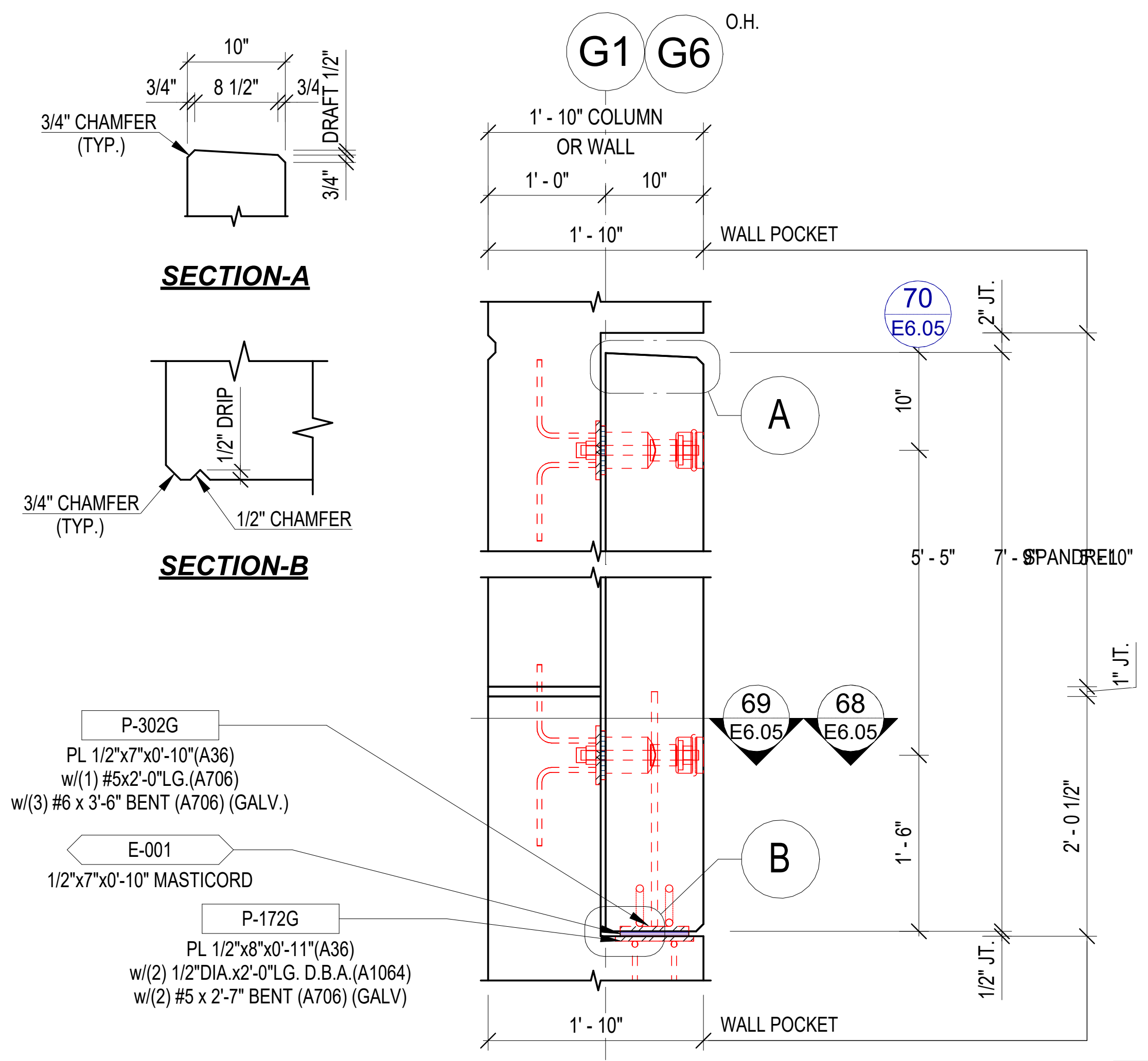
63


GA
1' - 10"
1' - 0"
10"
11 1/2"
10 1/2"
1/2" JT.
SPANDREL
5 13/16"
4' - 0"
70 E6.05
COLUMN POCKET
1' - 0 13/16"
2' - 10"
4' - 11 5/8"

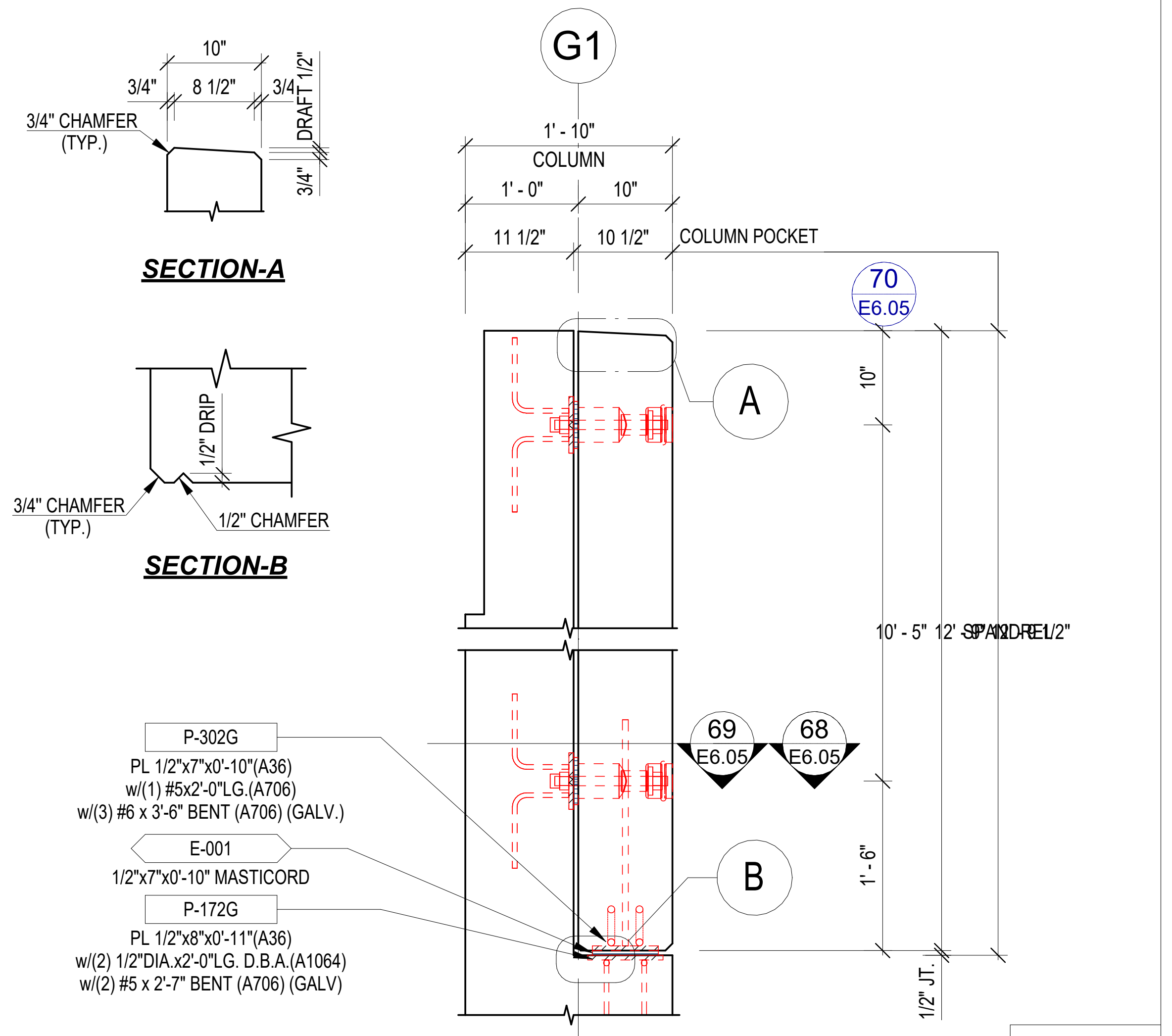
64


G1 G6 O.H.
SECTION-A
SECTION-B
10"
3/4"
8 1/2"
DRAFT 1/2"
3/4" CHAMFER (TYP.)
1/2" DRIP
1/2" CHAMFER
1' - 10" COLUMN OR WALL
1' - 0"
11 1/2"
10 1/2"
WALL POCKET
70 E6.05
2" JT.
A
B
1/2" JT.
SPANDREL
6' - 5"
1' - 6"
69 E6.05
68 E6.05
P-302G
PL 1/2"x7"x0'-10"(A36) w/(1) #5x2'-0"LG.(A706) w/(3) #6 x 3'-6" BENT (A706) (GALV.)
E-001
1/2"x7"x0'-10" MASTICORD
P-172G
PL 1/2"x8"x0'-11"(A36) w/(2) 1/2"DIA.x2'-0"LG. D.B.A.(A1064) w/(2) #5 x 2'-7" BENT (A706) (GALV.)

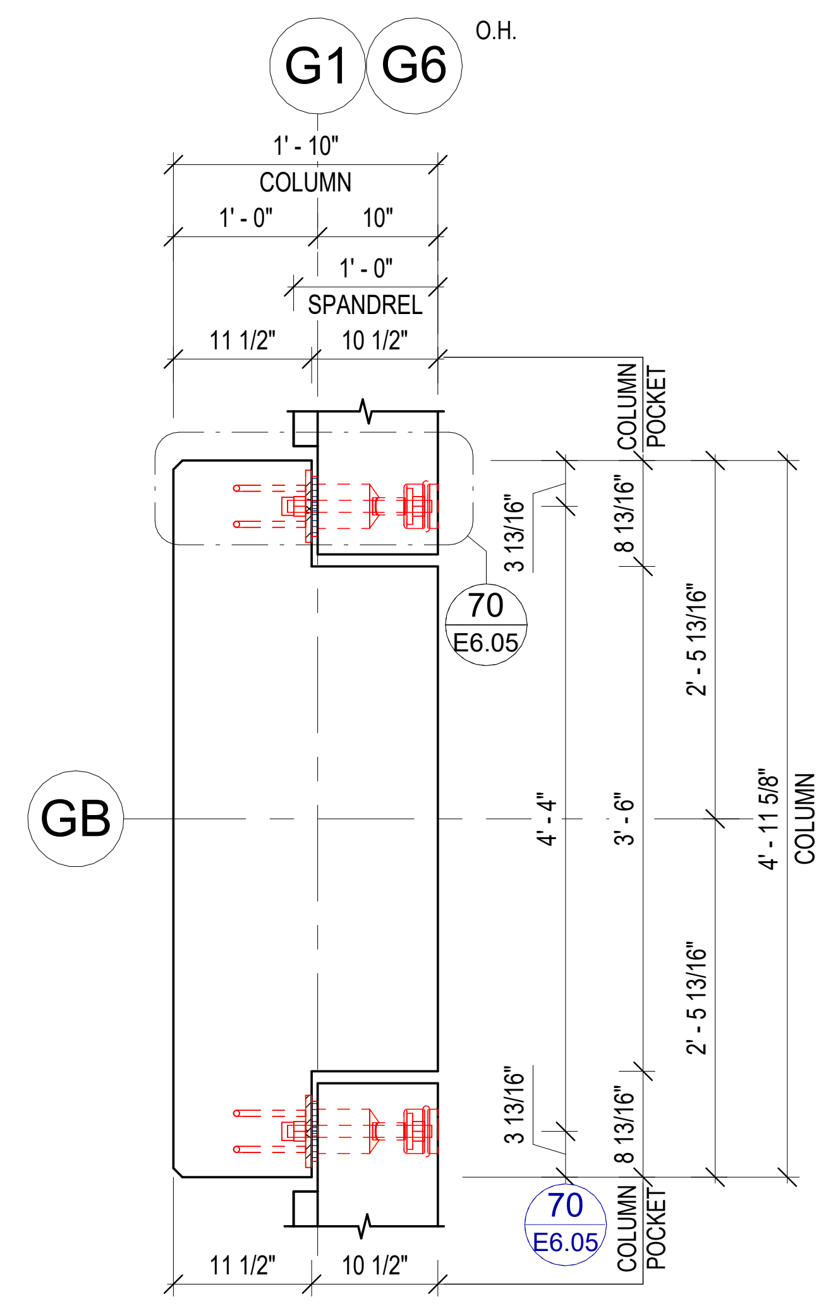
65


G1 G6 O.H.
SECTION-A
SECTION-B
10"
3/4"
8 1/2"
DRAFT 1/2"
3/4" CHAMFER (TYP.)
1/2" DRIP
1/2" CHAMFER
1' - 10" COLUMN OR WALL
1' - 0"
WALL POCKET
70 E6.05
2" JT.
A
B
5' - 5"
7' - 8"
SPANDREL
1' - 6"
2' - 0 1/2"
1" JT.
1/2" JT.
69 E6.05
68 E6.05
P-302G
PL 1/2"x7"x0'-10"(A36) w/(1) #5x2'-0"LG.(A706) w/(3) #6 x 3'-6" BENT (A706) (GALV.)
E-001
1/2"x7"x0'-10" MASTICORD
P-172G
PL 1/2"x8"x0'-11"(A36) w/(2) 1/2"DIA.x2'-0"LG. D.B.A.(A1064) w/(2) #5 x 2'-7" BENT (A706) (GALV.)

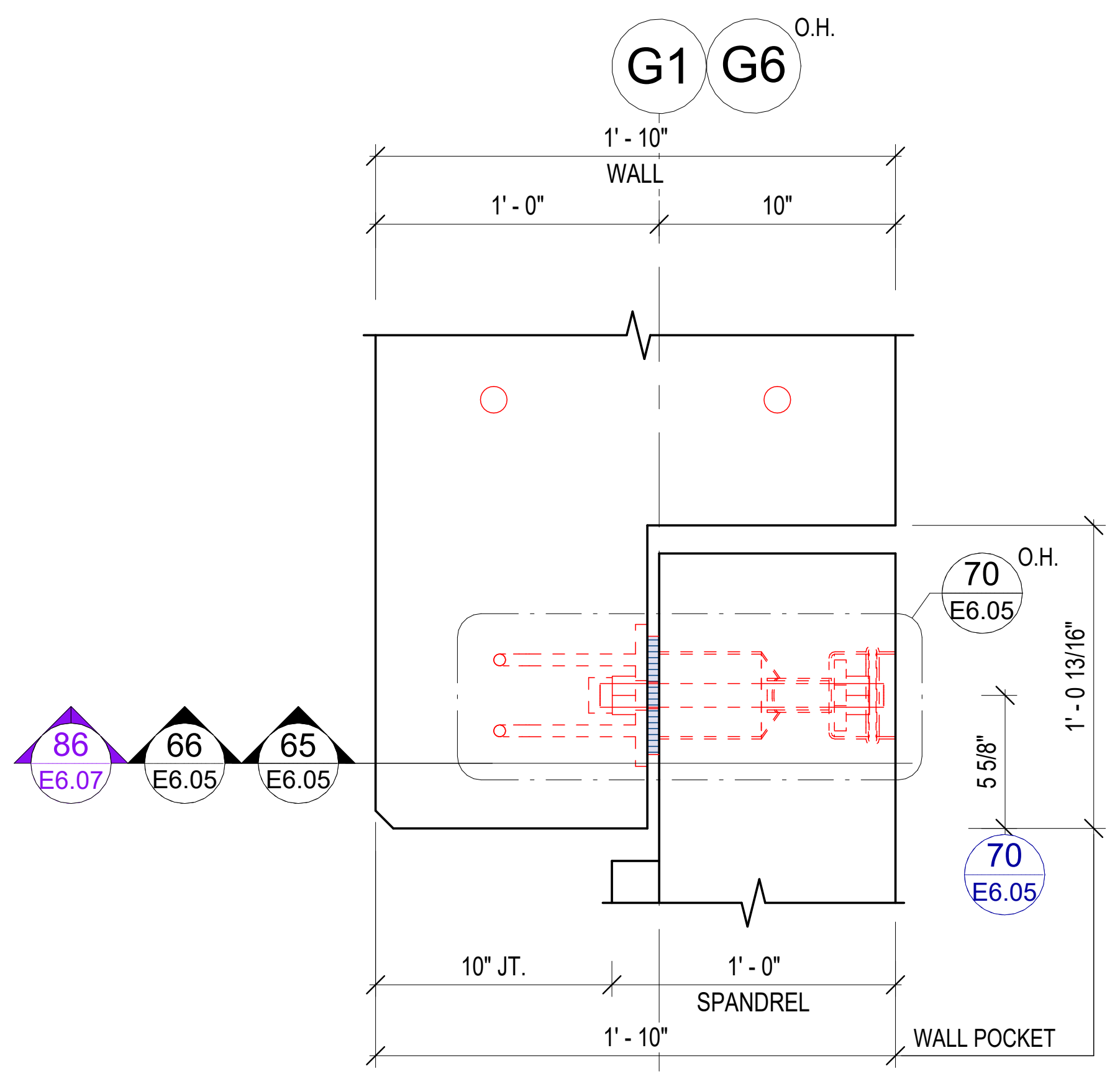
66


G1
SECTION-A
SECTION-B
10"
3/4"
8 1/2"
DRAFT 1/2"
3/4" CHAMFER (TYP.)
1/2" DRIP
1/2" CHAMFER
1' - 10" COLUMN
1' - 0"
11 1/2"
10 1/2"
COLUMN POCKET
70 E6.05
A
B
10' - 5"
12' - 8 1/2"
SPANDREL
1' - 6"
1/2" JT.
69 E6.05
68 E6.05
P-302G
PL 1/2"x7"x0'-10"(A36) w/(1) #5x2'-0"LG.(A706) w/(3) #6 x 3'-6" BENT (A706) (GALV.)
E-001
1/2"x7"x0'-10" MASTICORD
P-172G
PL 1/2"x8"x0'-11"(A36) w/(2) 1/2"DIA.x2'-0"LG. D.B.A.(A1064) w/(2) #5 x 2'-7" BENT (A706) (GALV.)

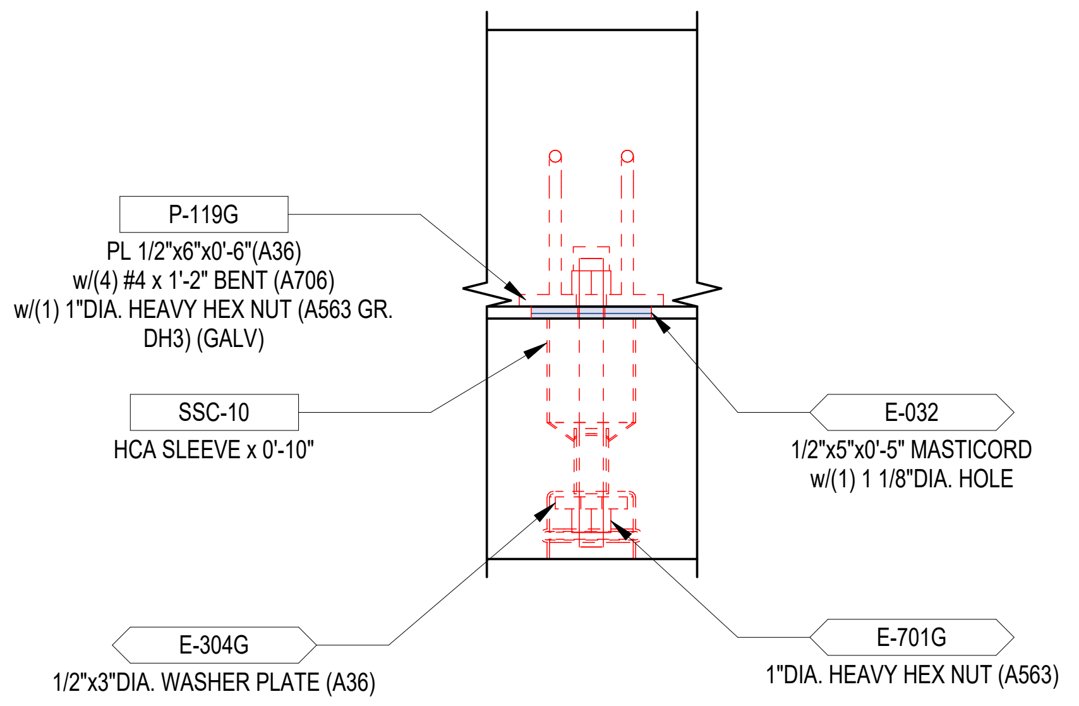
67


G1 G6 O.H.
GB
1' - 10" COLUMN
1' - 0"
10"
SPANDREL
11 1/2"
10 1/2"
COLUMN POCKET
3 13/16"
8 13/16"
2' - 5 13/16"
4' - 4"
3' - 6"
4' - 11 5/8"
COLUMN
70 E6.05

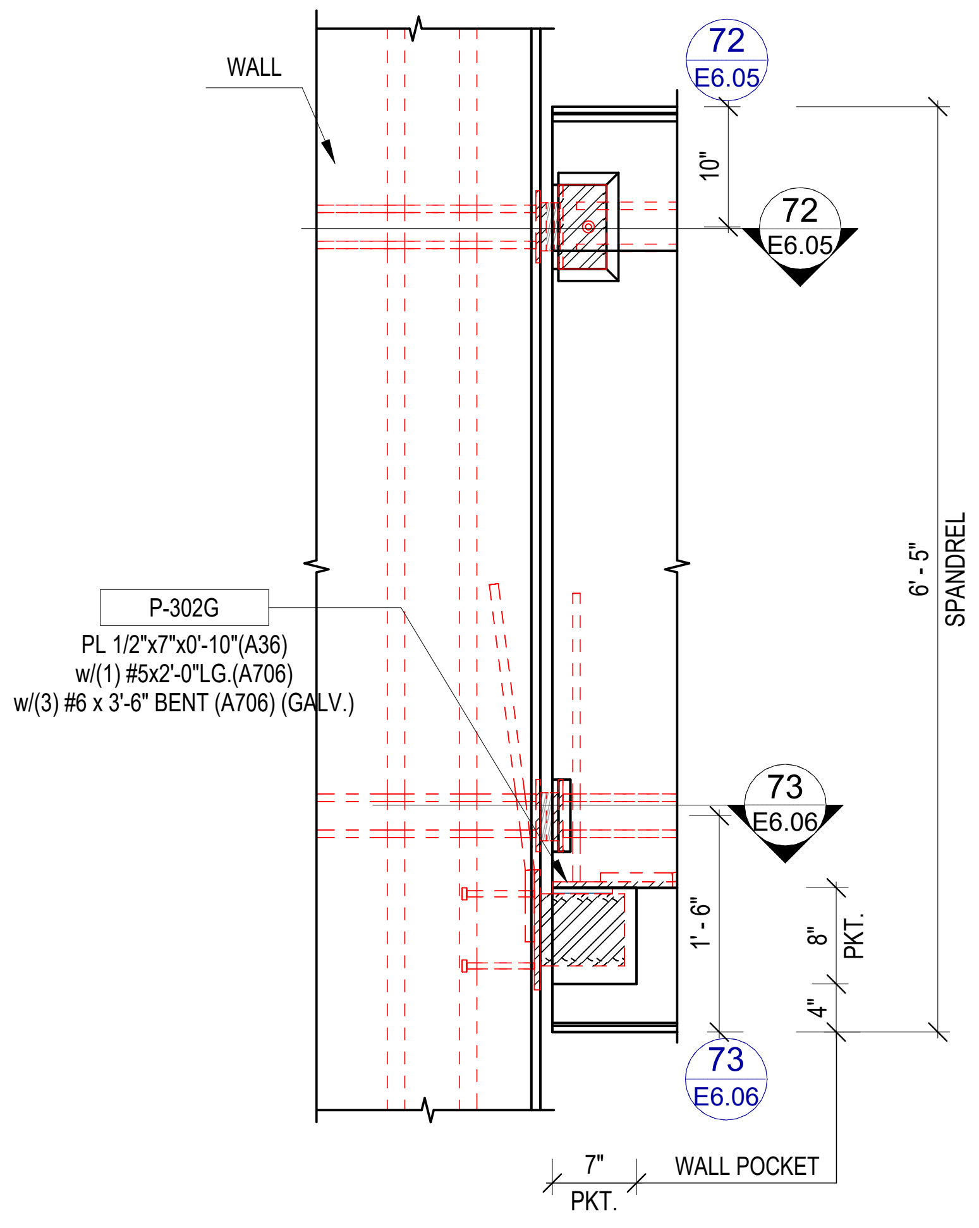
68


G1 G6 O.H.
1' - 10"
WALL
1' - 0"
10"
70 E6.05
O.H.
86 E6.07
66 E6.05
65 E6.05
5 5/8"
1' - 0 13/16"
10" JT.
SPANDREL
WALL POCKET

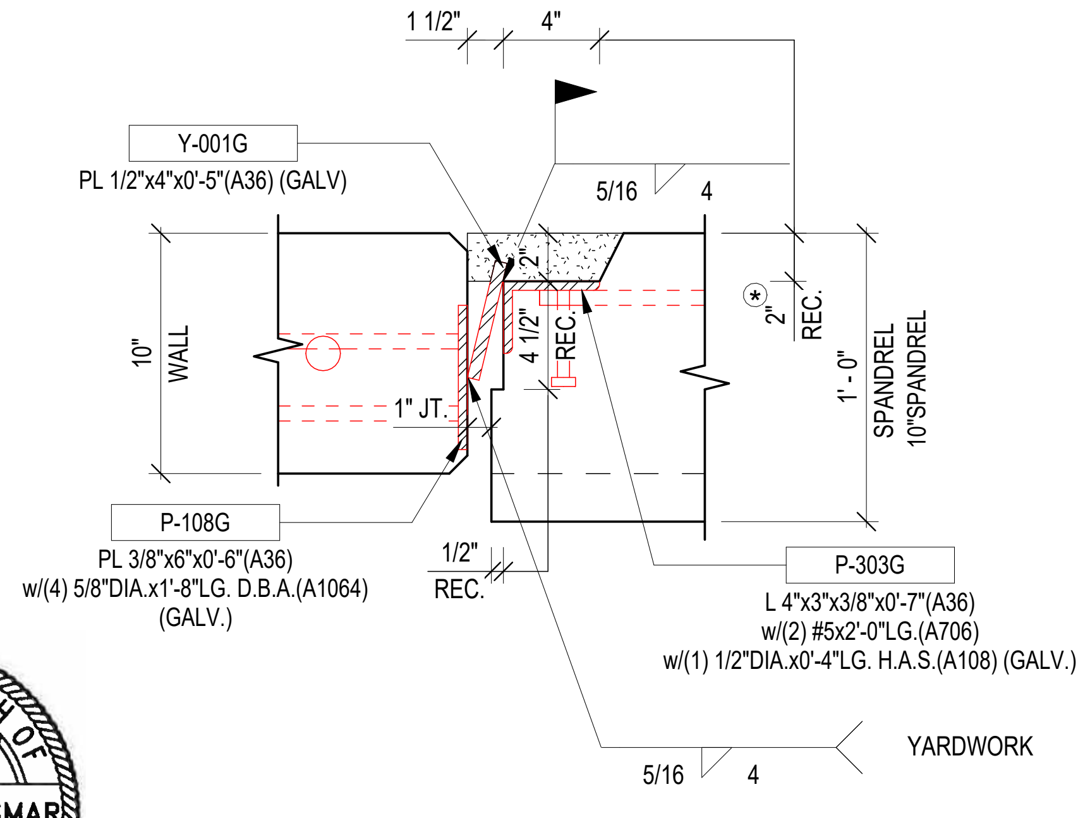
69


P-119G
PL 1/2"x6"x0'-6"(A36) w/(4) #4 x 1'-2" BENT (A706) w/(1) 1"DIA. HEAVY HEX NUT (A563 GR. DH3) (GALV)
SSC-10
HCA SLEEVE x 0'-10"
E-304G
1/2"x3"DIA. WASHER PLATE (A36)
E-032
1/2"x5"x0'-5" MASTICORD w/(1) 1 1/8"DIA. HOLE
E-701G
1"DIA. HEAVY HEX NUT (A563)

70


WALL
72 E6.05
72 E6.05
10"
6' - 5"
SPANDREL
P-302G
PL 1/2"x7"x0'-10"(A36) w/(1) #5x2'-0"LG.(A706) w/(3) #6 x 3'-6" BENT (A706) (GALV.)
73 E6.06
73 E6.06
1' - 6"
8"
4"
PKT.
7"
WALL POCKET

71


1 1/2"
4"
Y-001G
PL 1/2"x4"x0'-5"(A36) (GALV)
5/16
4
10"
WALL
4 1/2"
REC.
2"
REC.
1' - 0"
SPANDREL
10"SPANDREL
1" JT.
P-108G
PL 3/8"x6"x0'-6"(A36) w/(4) 5/8"DIA.x1'-8"LG. D.B.A.(A1064) (GALV.)
1/2" REC.
P-303G
L 4"x3"x3/8"x0'-7"(A36) w/(2) #5x2'-0"LG.(A706) w/(1) 1/2"DIA.x0'-4"LG. H.A.S.(A108) (GALV.)
YARDWORK

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
CHRIS C. KERCSMAR
ENGINEER
PE062289

⊙ FILL RECESS W/(6000 PSI) GROUT AFTER WELDS ARE INSPECTED AND APPROVED

72

DRAWN BY:
OOM
CHECKED BY:

DATE:
11/07/22

SUBMITTALS/REVISIONS:

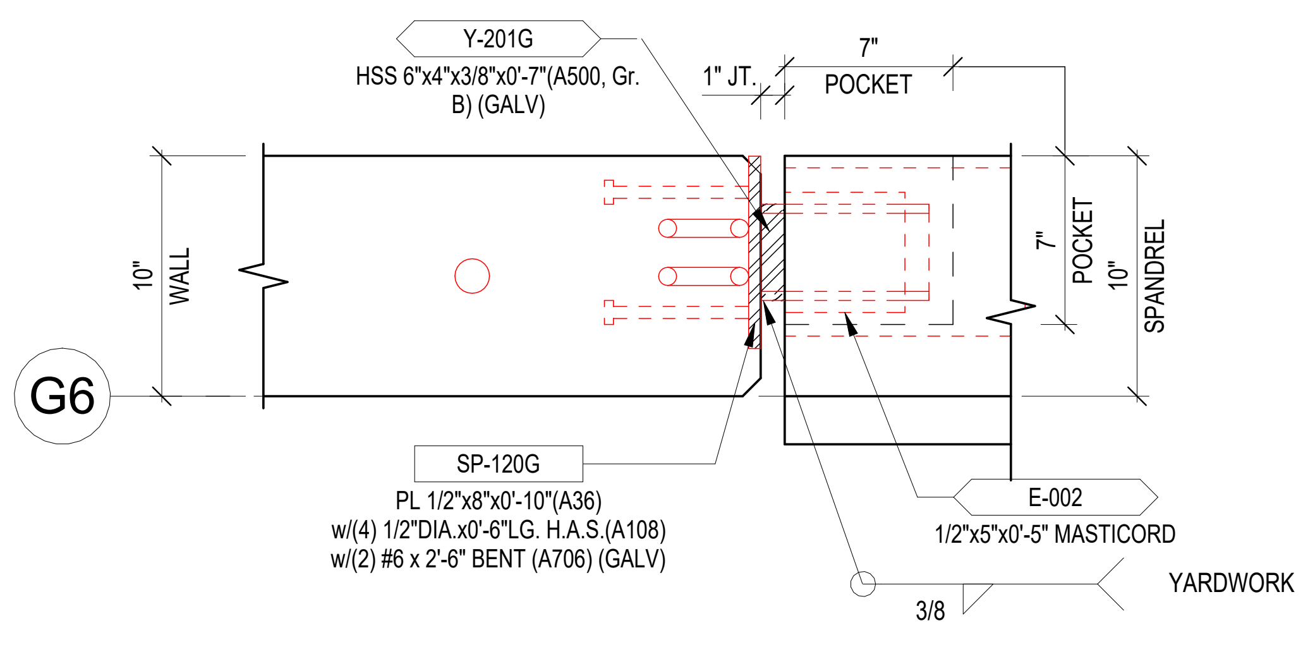
A	FOR APPROVAL	01/05/23

The CONSULTING ENGINEERS GROUP Inc.
16302 Pleasantville Road — SUITE 100 — SAN ANTONIO, TX 78233
210 637-0977 FAX 210 637-1172 E-MAIL engineers@cegtex.com

PROJECT:
GRANITE RUN PHASE II
MIDDLETOWN TOWNSHIP, PA
SECTIONS AND DETAILS (61-72)

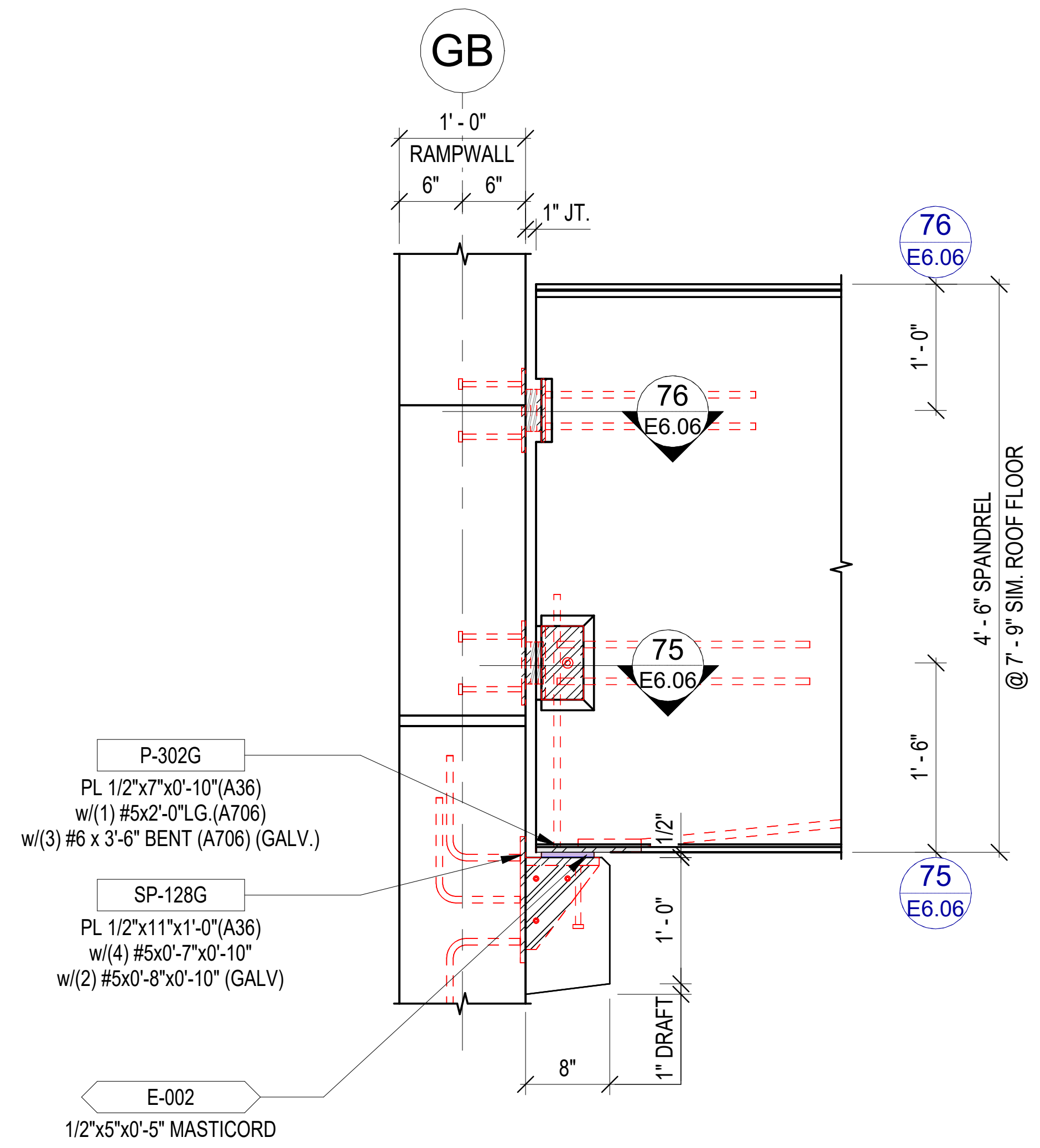
JERSEY PRECAST
853 NOTTINGHAM WAY
HAMILTON TOWNSHIP, NJ 08638
PH: 609-689-3700 FAX: 609-689-3797

CEG JOB NO.
22551
JOB NO.
22040
SHEET NO.
E6.05



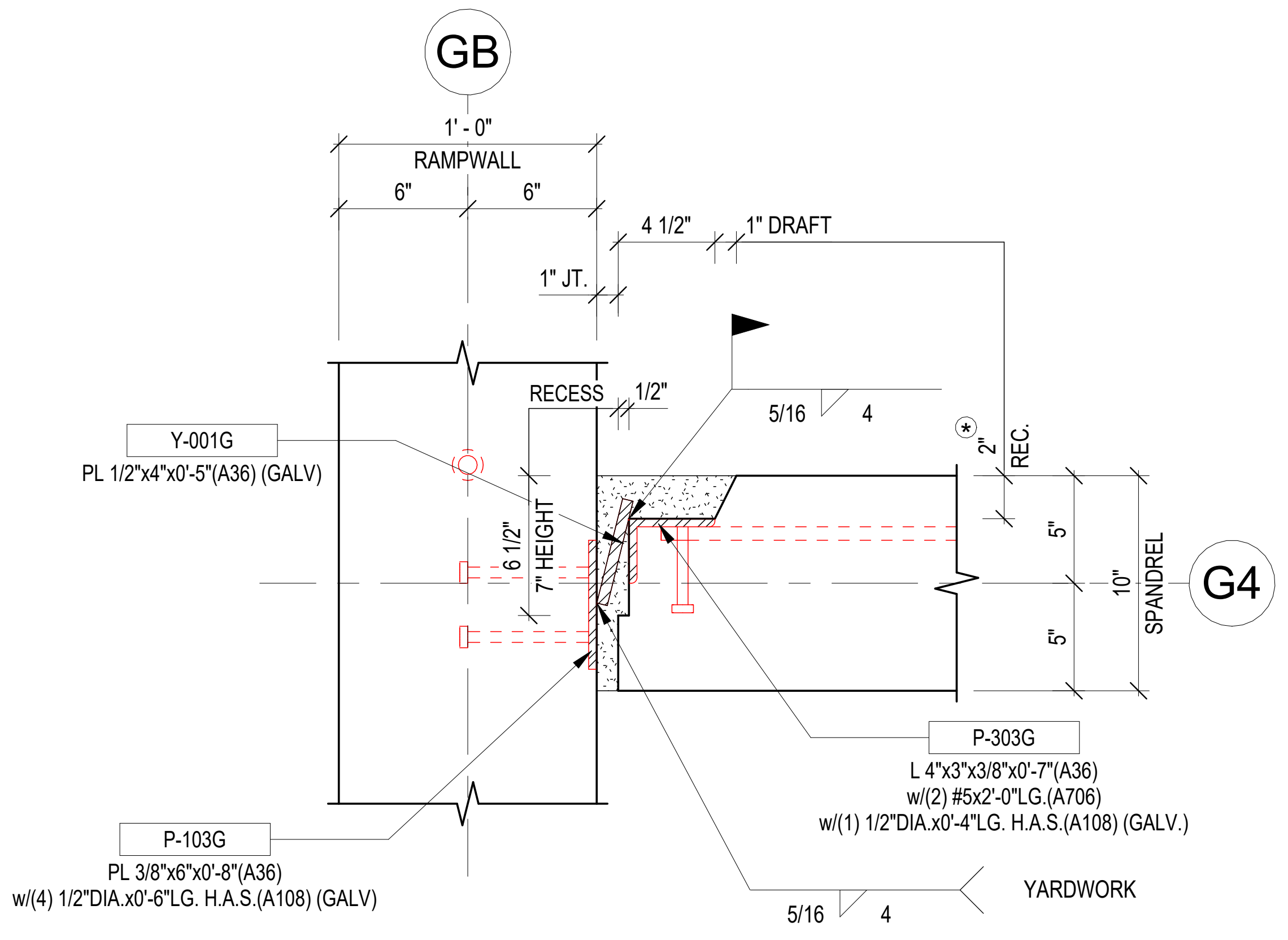
Y-201G
HSS 6"x4"x3/8"x0'-7"(A500, Gr. B) (GALV)
1" JT.
7"
POCKET
10"
WALL
G6
7"
POCKET
10"
SPANDREL
SP-120G
PL 1/2"x8"x0'-10"(A36)
w/(4) 1/2"DIA.x0'-6"LG. H.A.S.(A108)
w/(2) #6 x 2'-6" BENT (A706) (GALV)
E-002
1/2"x5"x0'-5" MASTICORD
3/8
YARDWORK

73



GB
1' - 0"
RAMPWALL
6"
6"
1" JT.
76
E6.06
76
E6.06
75
E6.06
75
E6.06
1' - 0"
4' - 6" SPANDREL
@ 7' - 9" SIM. ROOF FLOOR
1' - 6"
P-302G
PL 1/2"x7"x0'-10"(A36)
w/(1) #5x2'-0"LG.(A706)
w/(3) #6 x 3'-6" BENT (A706) (GALV.)
SP-128G
PL 1/2"x11"x1'-0"(A36)
w/(4) #5x0'-7"x0'-10"
w/(2) #5x0'-8"x0'-10" (GALV)
1/2"
1' - 0"
8"
1" DRAFT
E-002
1/2"x5"x0'-5" MASTICORD

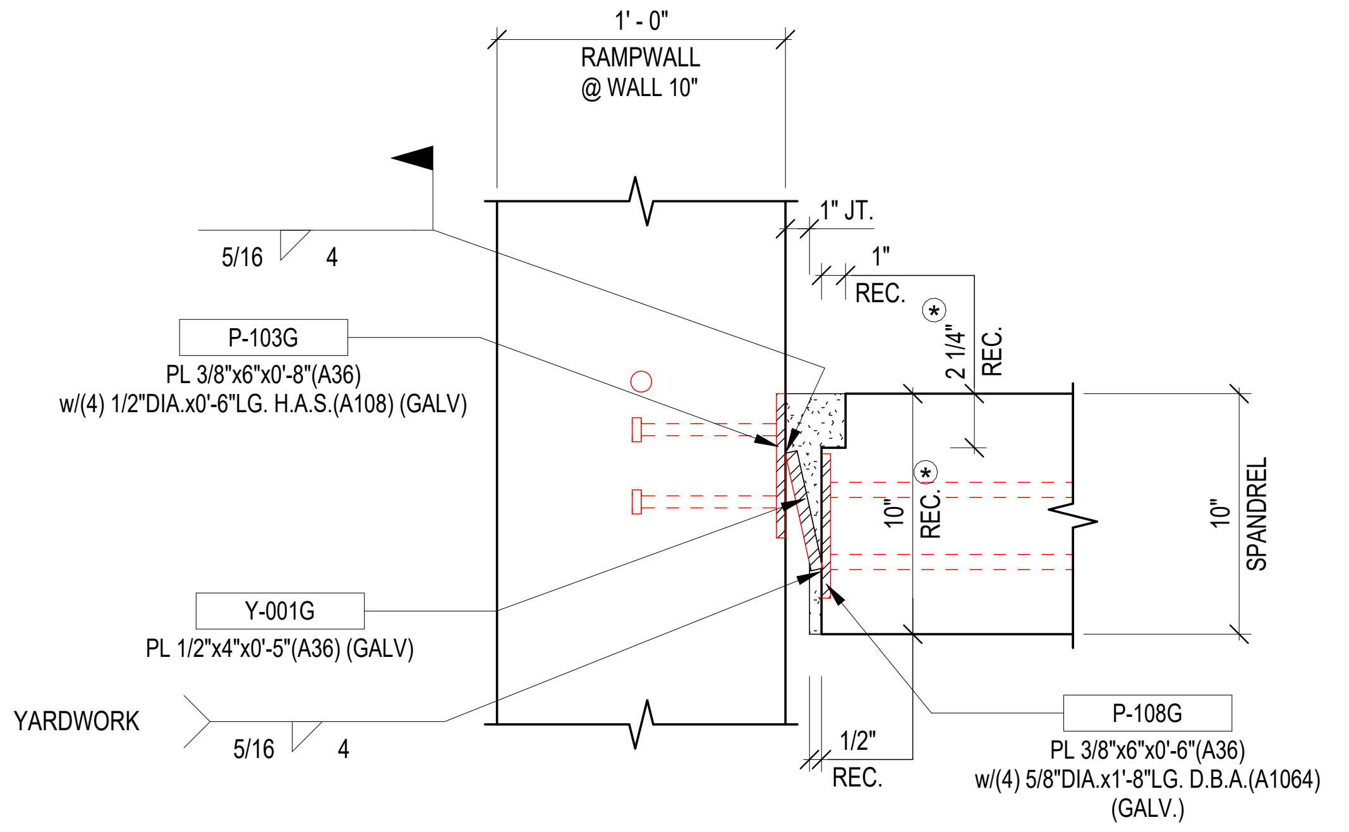
74



GB
1' - 0"
RAMPWALL
6"
6"
4 1/2"
1" DRAFT
1" JT.
Y-001G
PL 1/2"x4"x0'-5"(A36) (GALV)
RECESS
1/2"
5/16
4
2"
REC.
6 1/2"
7" HEIGHT
5"
10"
5"
SPANDREL
G4
P-303G
L 4"x3"x3/8"x0'-7"(A36)
w/(2) #5x2'-0"LG.(A706)
w/(1) 1/2"DIA.x0'-4"LG. H.A.S.(A108) (GALV.)
P-103G
PL 3/8"x6"x0'-8"(A36)
w/(4) 1/2"DIA.x0'-6"LG. H.A.S.(A108) (GALV)
YARDWORK
5/16
4

FILL RECESS W/(6000 PSI) GROUT AFTER WELDS ARE INSPECTED AND APPROVED

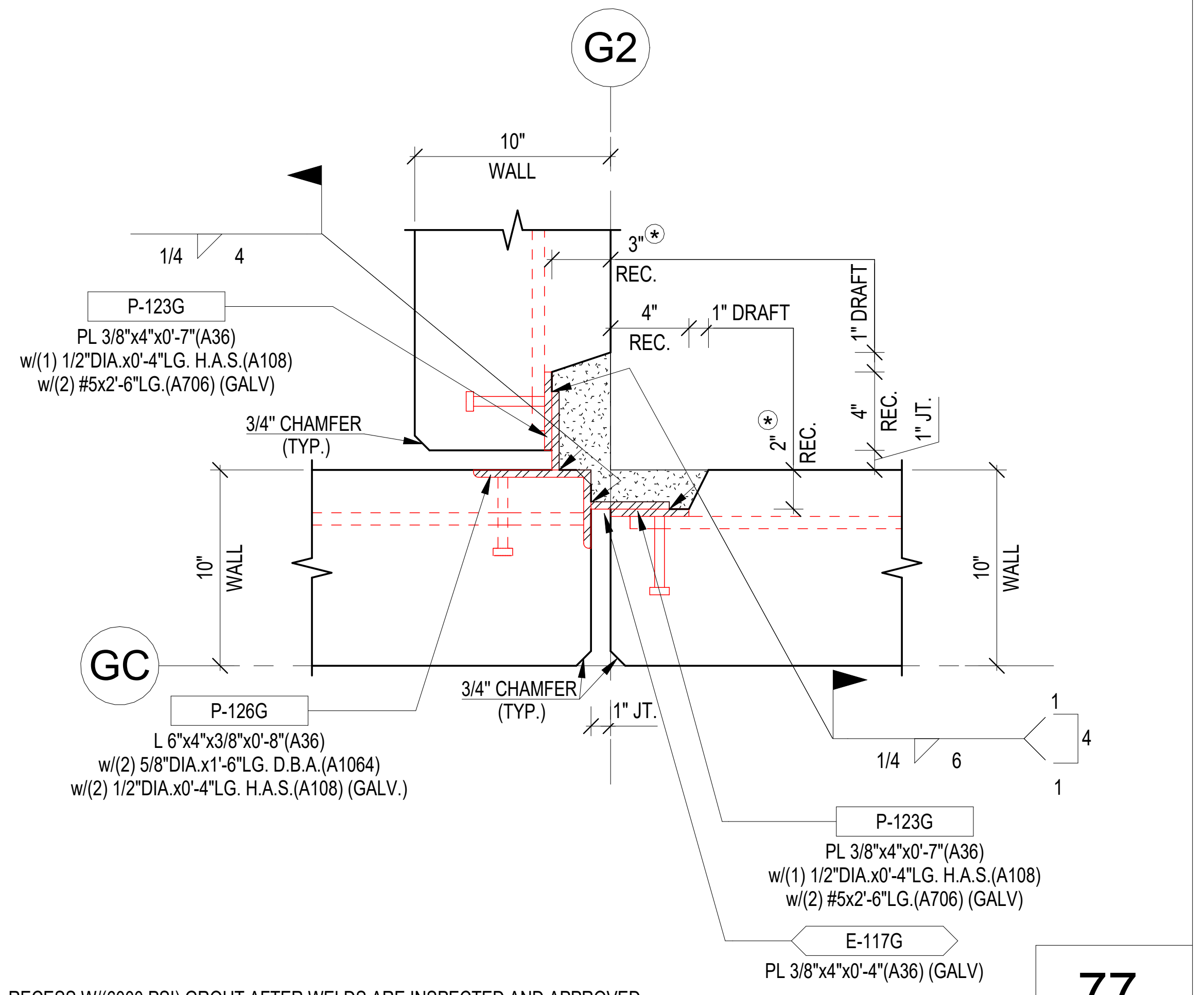
75



1' - 0"
RAMPWALL
@ WALL 10"
5/16
4
1" JT.
1"
REC.
2 1/4"
REC.
P-103G
PL 3/8"x6"x0'-8"(A36)
w/(4) 1/2"DIA.x0'-6"LG. H.A.S.(A108) (GALV)
10"
REC.
10"
SPANDREL
Y-001G
PL 1/2"x4"x0'-5"(A36) (GALV)
YARDWORK
5/16
4
1/2"
REC.
P-108G
PL 3/8"x5"x0'-6"(A36)
w/(4) 5/8"DIA.x1'-8"LG. D.B.A.(A1064)
(GALV.)

FILL RECESS W/(6000 PSI) GROUT AFTER WELDS ARE INSPECTED AND APPROVED

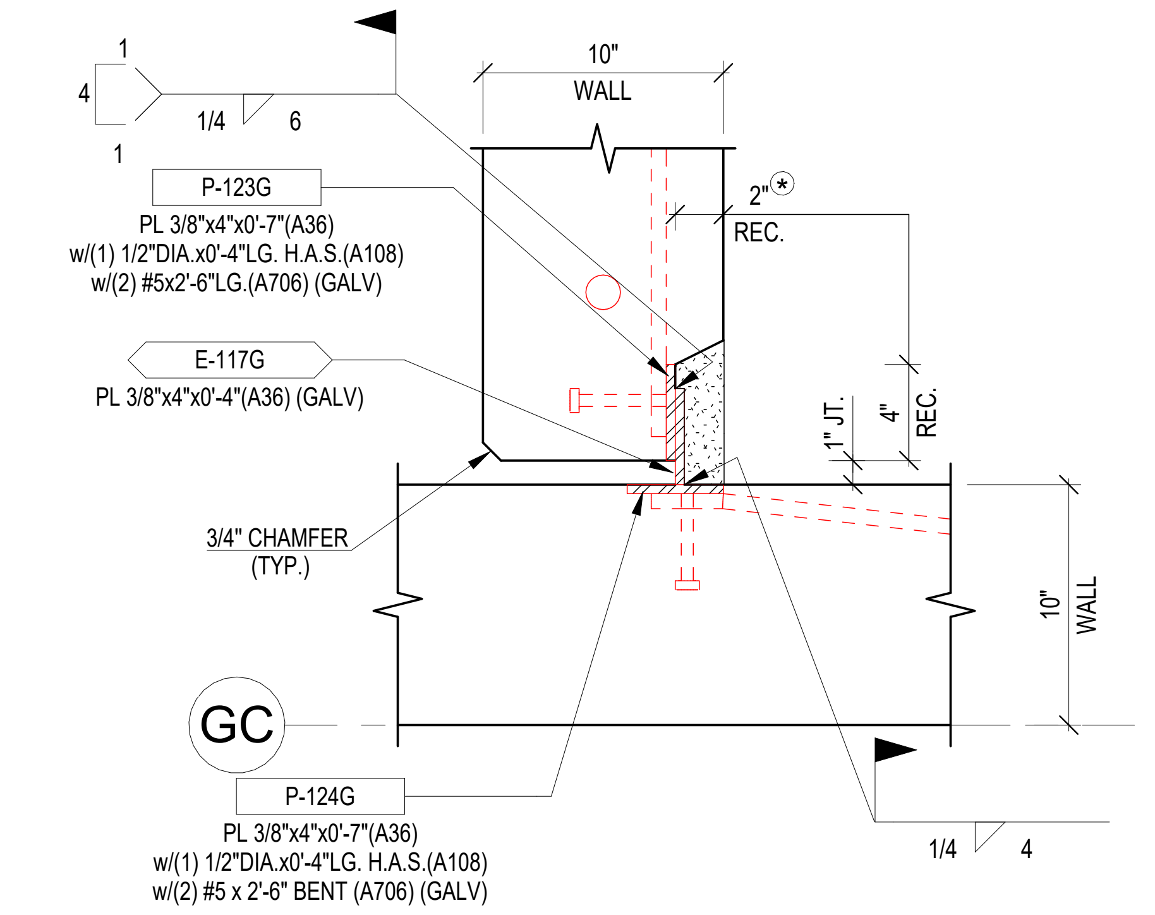
76



G2
10"
WALL
1/4
4
3"
REC.
4"
REC.
1" DRAFT
1" DRAFT
P-123G
PL 3/8"x4"x0'-7"(A36)
w/(1) 1/2"DIA.x0'-4"LG. H.A.S.(A108)
w/(2) #5x2'-6"LG.(A706) (GALV)
3/4" CHAMFER
(TYP.)
2"
REC.
4"
REC.
1" JT.
10"
WALL
10"
WALL
GC
P-126G
L 6"x4"x3/8"x0'-8"(A36)
w/(2) 5/8"DIA.x1'-6"LG. D.B.A.(A1064)
w/(2) 1/2"DIA.x0'-4"LG. H.A.S.(A108) (GALV.)
3/4" CHAMFER
(TYP.)
1" JT.
1/4
6
1
4
1
P-123G
PL 3/8"x4"x0'-7"(A36)
w/(1) 1/2"DIA.x0'-4"LG. H.A.S.(A108)
w/(2) #5x2'-6"LG.(A706) (GALV)
E-117G
PL 3/8"x4"x0'-4"(A36) (GALV)

FILL RECESS W/(6000 PSI) GROUT AFTER WELDS ARE INSPECTED AND APPROVED

77



1
4
1
1/4
6
10"
WALL
P-123G
PL 3/8"x4"x0'-7"(A36)
w/(1) 1/2"DIA.x0'-4"LG. H.A.S.(A108)
w/(2) #5x2'-6"LG.(A706) (GALV)
2"
REC.
E-117G
PL 3/8"x4"x0'-4"(A36) (GALV)
1" JT.
4"
REC.
3/4" CHAMFER
(TYP.)
10"
WALL
GC
P-124G
PL 3/8"x4"x0'-7"(A36)
w/(1) 1/2"DIA.x0'-4"LG. H.A.S.(A108)
w/(2) #5 x 2'-6" BENT (A706) (GALV)
1/4
4

FILL RECESS W/(6000 PSI) GROUT AFTER WELDS ARE INSPECTED AND APPROVED

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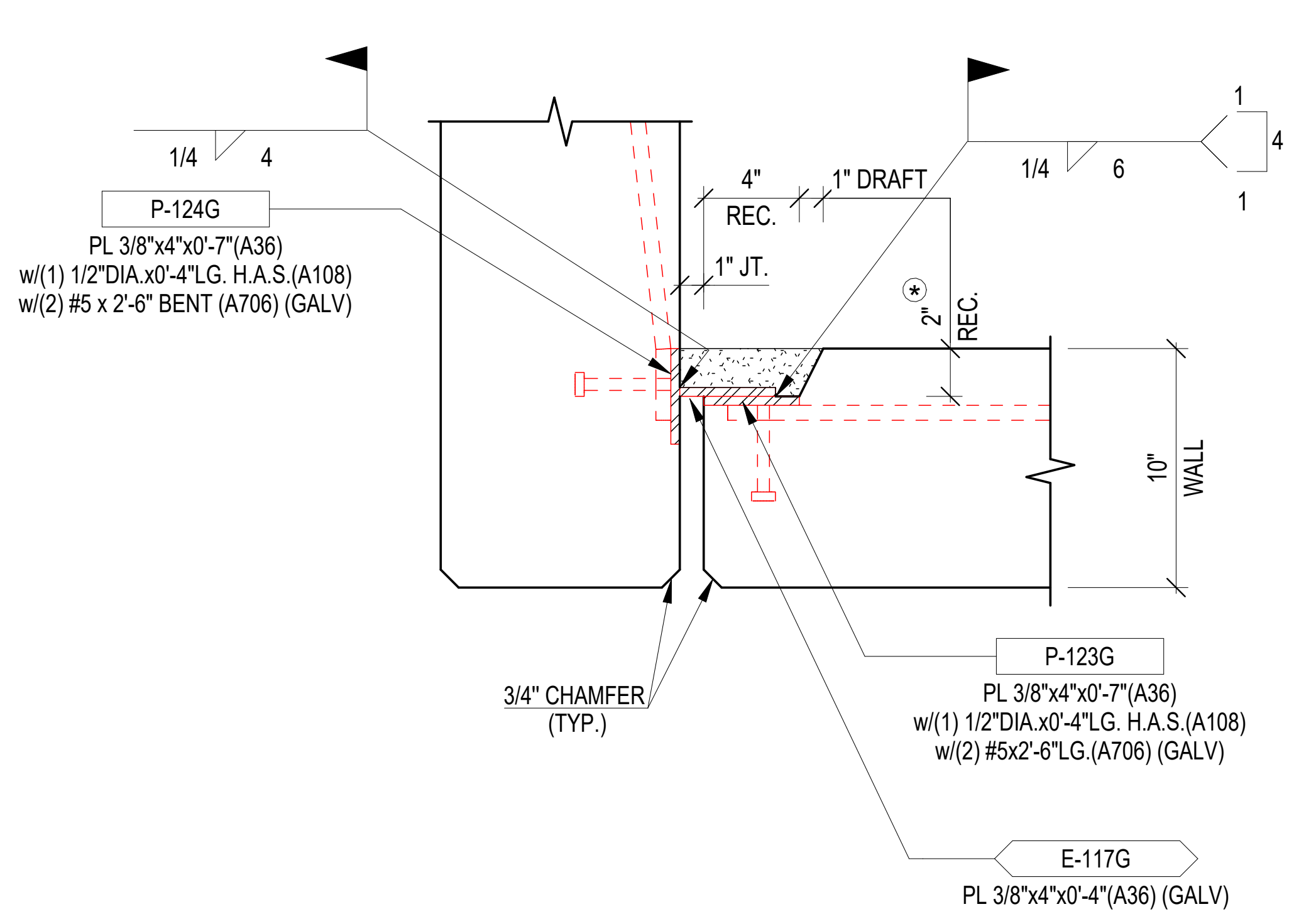
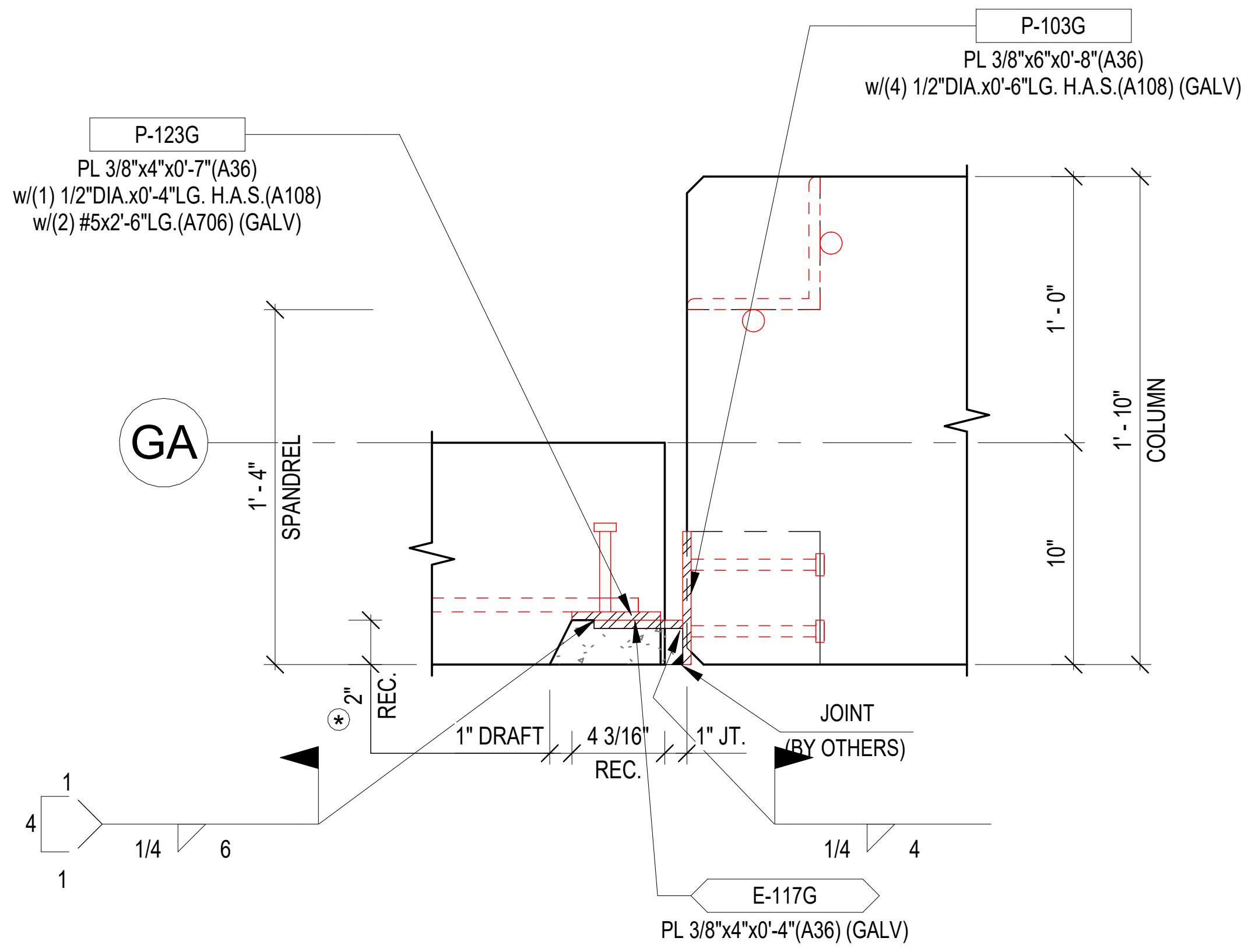


1/4
4
P-124G
PL 3/8"x4"x0'-7"(A36)
w/(1) 1/2"DIA.x0'-4"LG. H.A.S.(A108)
w/(2) #5 x 2'-6" BENT (A706) (GALV)
4"
REC.
1" DRAFT
1" JT.
2"
REC.
1/4
6
1
4
1
10"
WALL
3/4" CHAMFER
(TYP.)
P-123G
PL 3/8"x4"x0'-7"(A36)
w/(1) 1/2"DIA.x0'-4"LG. H.A.S.(A108)
w/(2) #5x2'-6"LG.(A706) (GALV)
E-117G
PL 3/8"x4"x0'-4"(A36) (GALV)

FILL RECESS W/(6000 PSI) GROUT AFTER WELDS ARE INSPECTED AND APPROVED

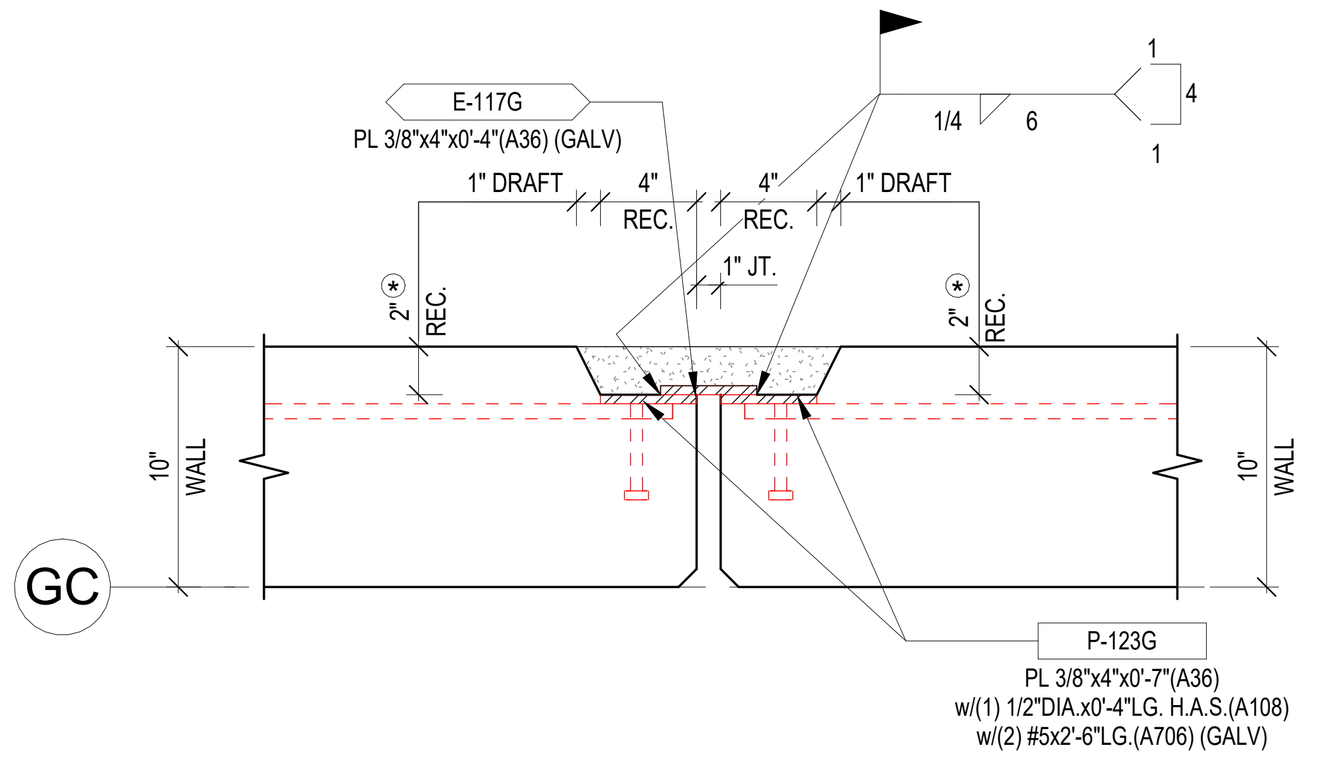
79



P-103G
PL 3/8"x6"x0'-8"(A36)
w/(4) 1/2"DIA.x0'-6"LG. H.A.S.(A108) (GALV)
P-123G
PL 3/8"x4"x0'-7"(A36)
w/(1) 1/2"DIA.x0'-4"LG. H.A.S.(A108)
w/(2) #5x2'-6"LG.(A706) (GALV)
GA
1' - 4"
SPANDREL
1' - 0"
1' - 10"
COLUMN
10"
2"
REC.
1" DRAFT
4 3/16"
REC.
1" JT.
JOINT
(BY OTHERS)
1
4
1
1/4
6
1/4
4
E-117G
PL 3/8"x4"x0'-4"(A36) (GALV)

FILL RECESS W/(6000 PSI) GROUT AFTER WELDS ARE INSPECTED AND APPROVED

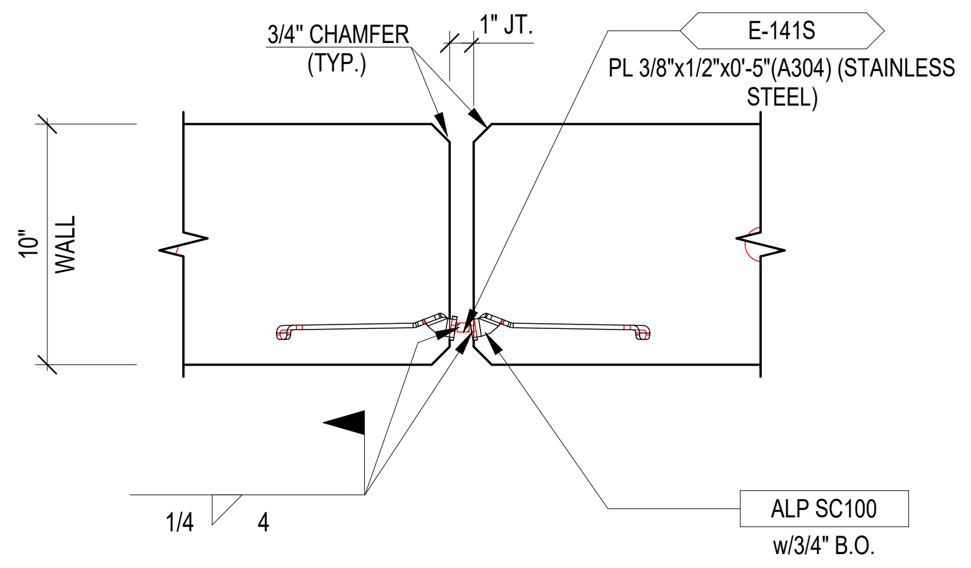
80



E-117G
PL 3/8"x4"x0'-4"(A36) (GALV)
1/4
6
1
4
1
1" DRAFT
4"
REC.
4"
REC.
1" DRAFT
1" JT.
2"
REC.
2"
REC.
10"
WALL
10"
WALL
GC
P-123G
PL 3/8"x4"x0'-7"(A36)
w/(1) 1/2"DIA.x0'-4"LG. H.A.S.(A108)
w/(2) #5x2'-6"LG.(A706) (GALV)

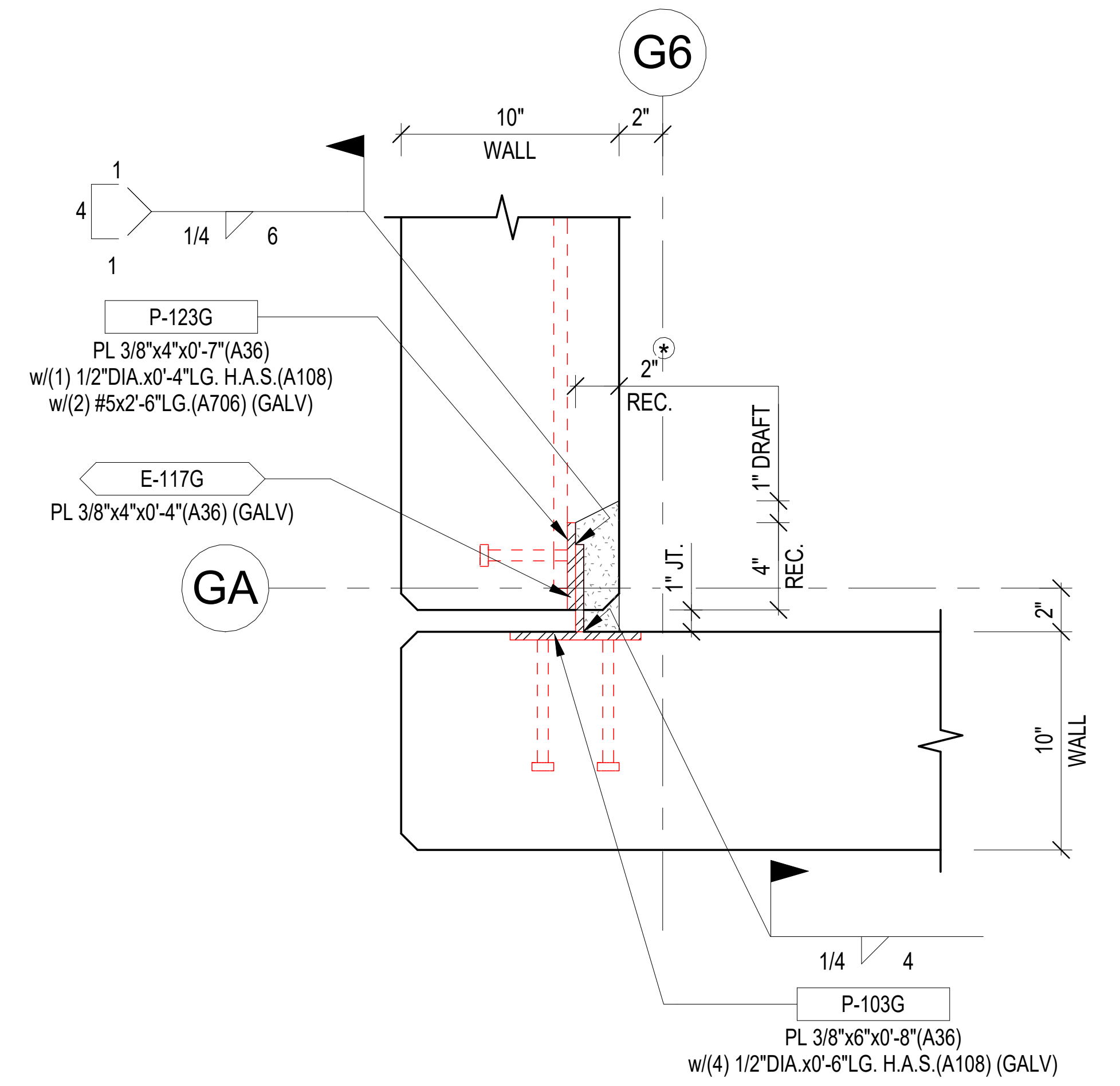
FILL RECESS W/(6000 PSI) GROUT AFTER WELDS ARE INSPECTED AND APPROVED

81



3/4" CHAMFER
(TYP.)
1" JT.
E-141S
PL 3/8"x1/2"x0'-5"(A304) (STAINLESS STEEL)
10"
WALL
1/4
4
ALP SC100
w/3/4" B.O.

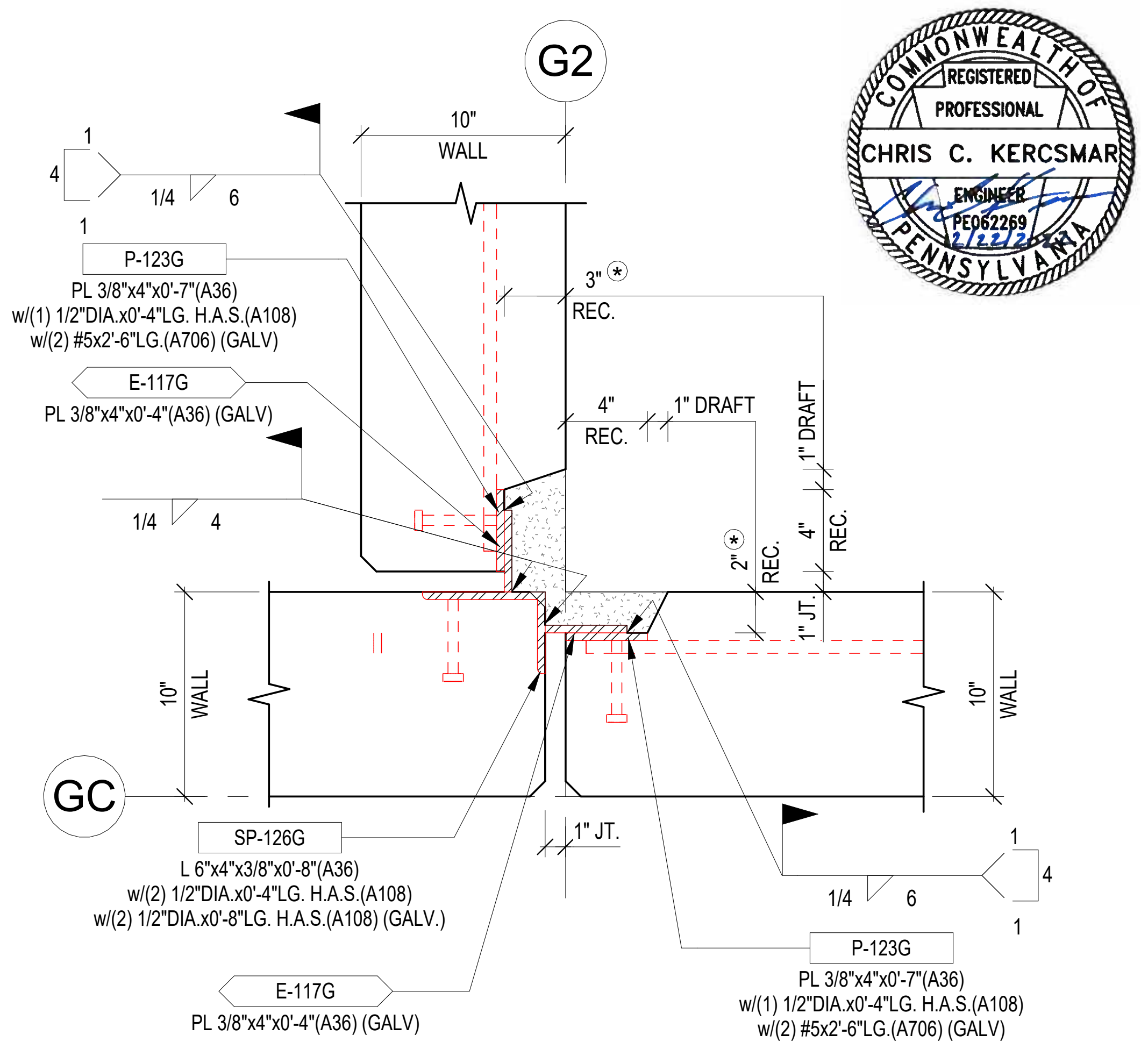
82



G6
10"
WALL
2"
1
4
1
1/4
6
P-123G
PL 3/8"x4"x0'-7"(A36)
w/(1) 1/2"DIA.x0'-4"LG. H.A.S.(A108)
w/(2) #5x2'-6"LG.(A706) (GALV)
2"
REC.
1" DRAFT
E-117G
PL 3/8"x4"x0'-4"(A36) (GALV)
GA
1" JT.
4"
REC.
2"
10"
WALL
1/4
4
P-103G
PL 3/8"x6"x0'-8"(A36)
w/(4) 1/2"DIA.x0'-6"LG. H.A.S.(A108) (GALV)

FILL RECESS W/(6000 PSI) GROUT AFTER WELDS ARE INSPECTED AND APPROVED

83



G2
10"
WALL
1
4
1
1/4
6
P-123G
PL 3/8"x4"x0'-7"(A36)
w/(1) 1/2"DIA.x0'-4"LG. H.A.S.(A108)
w/(2) #5x2'-6"LG.(A706) (GALV)
3"
REC.
E-117G
PL 3/8"x4"x0'-4"(A36) (GALV)
4"
REC.
1" DRAFT
1" DRAFT
1/4
4
2"
REC.
4"
REC.
1" JT.
10"
WALL
10"
WALL
GC
SP-126G
L 6"x4"x3/8"x0'-8"(A36)
w/(2) 1/2"DIA.x0'-4"LG. H.A.S.(A108)
w/(2) 1/2"DIA.x0'-8"LG. H.A.S.(A108) (GALV.)
1" JT.
1
4
1
1/4
6
E-117G
PL 3/8"x4"x0'-4"(A36) (GALV)
P-123G
PL 3/8"x4"x0'-7"(A36)
w/(1) 1/2"DIA.x0'-4"LG. H.A.S.(A108)
w/(2) #5x2'-6"LG.(A706) (GALV)

FILL RECESS W/(6000 PSI) GROUT AFTER WELDS ARE INSPECTED AND APPROVED

84

CHRIS C. KERCSMAR
PE062269

DRAWN BY:
OOM
CHECKED BY:

DATE:
11/09/22

SUBMITTALS/REVISIONS:

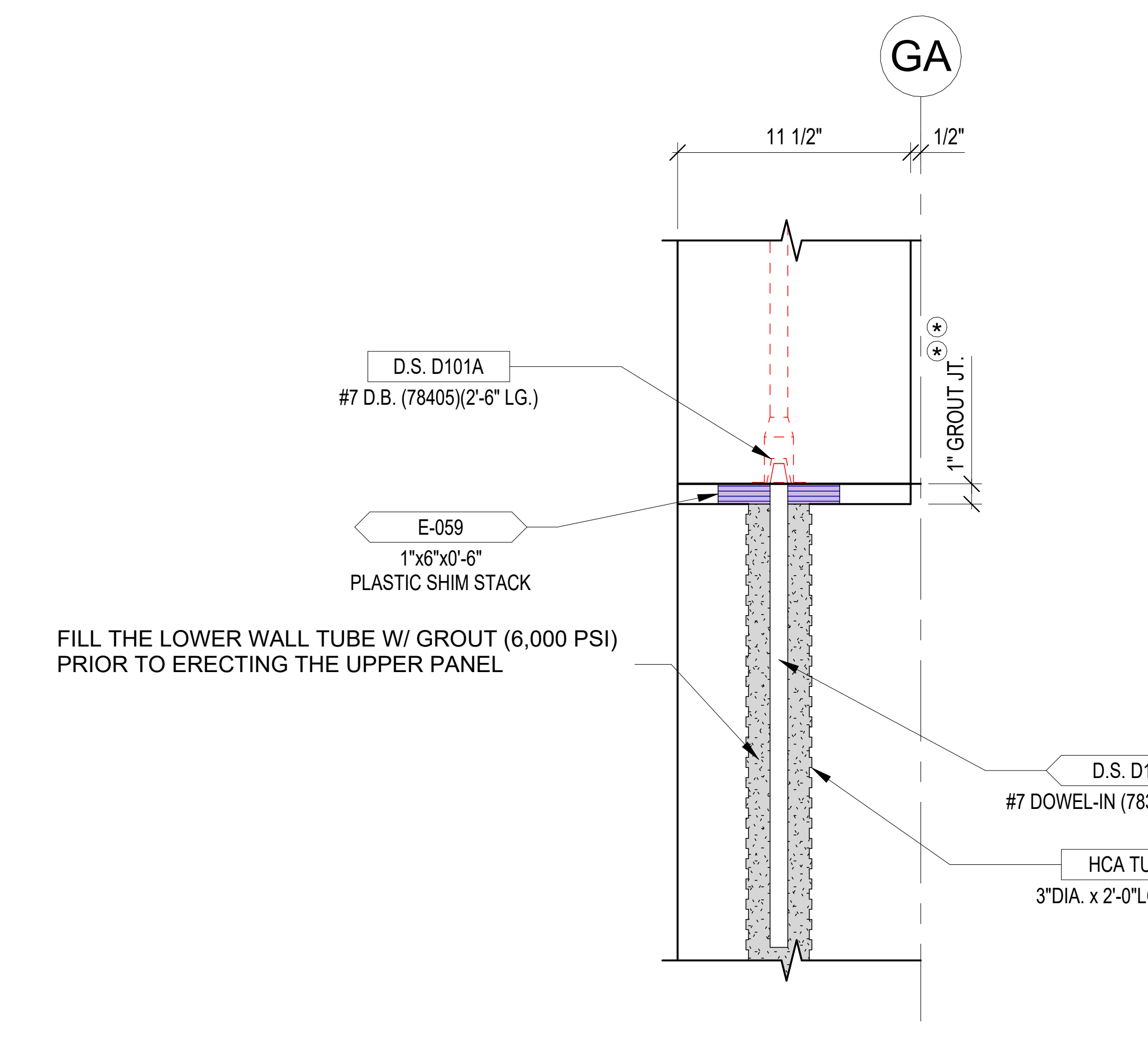
A	FOR APPROVAL	01/05/23

The CONSULTING ENGINEERS GROUP Inc.
16302 Pleasantville Road – SUITE 100 – SAN ANTONIO, TX 78233
210 637-0977 FAX 210 637-1172 E-MAIL engineers@cegtex.com

PROJECT:
GRANITE RUN PHASE II
MIDDLETOWN TOWNSHIP, PA
SECTIONS AND DETAILS (73-84)

JERSEY PRECAST
853 NOTTINGHAM WAY
HAMILTON TOWNSHIP, NJ 08638
PH: 609-689-3700 FAX: 609-689-3797

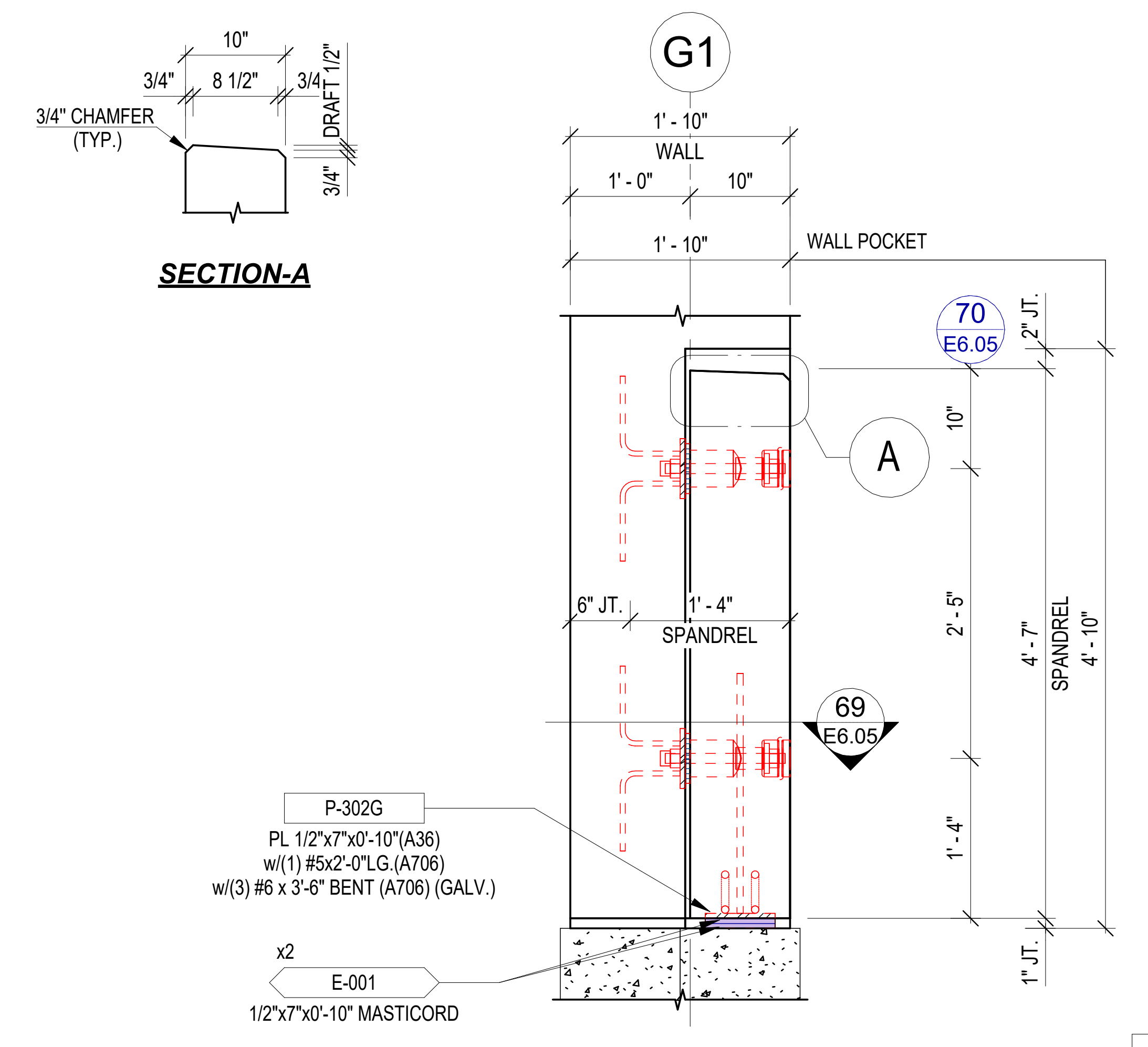
CEG JOB NO.
22551
JOB NO.
22040
SHEET NO.
E6.06


GA
11 1/2"
1/2"
D.S. D101A
#7 D.B. (78405)(2'-6" LG.)
1" GROUT JT.
E-059
1"x6"x0'-6"
PLASTIC SHIM STACK
FILL THE LOWER WALL TUBE W/ GROUT (6,000 PSI)
PRIOR TO ERECTING THE UPPER PANEL
D.S. D101
#7 DOWEL-IN (78387)(2'-0" LG.)
HCA TUBE
3"DIA. x 2'-0"LG., MP324

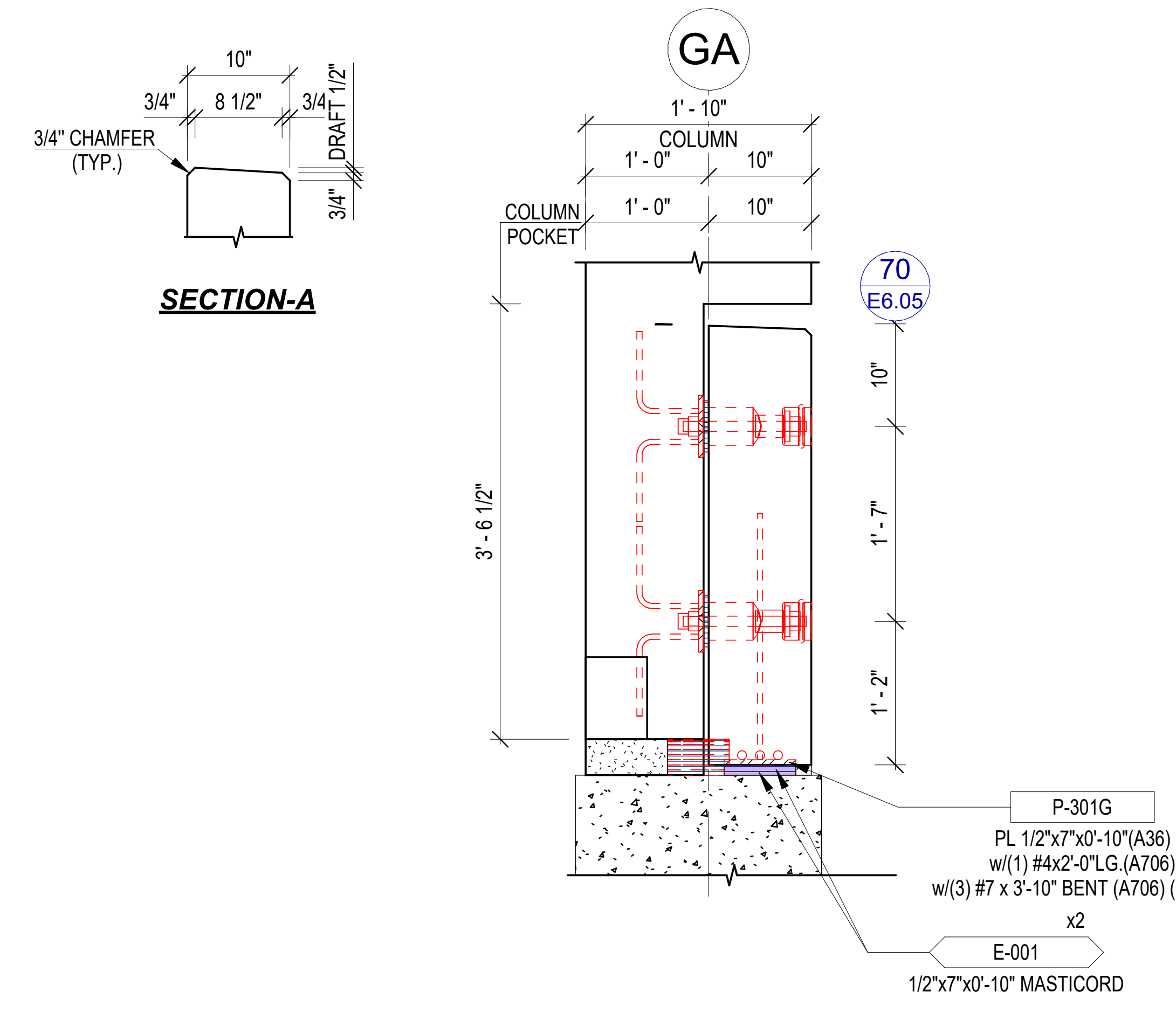
ERECTOR NOTE

⊙⊙ DRY-PACK OR FLOWABLE GROUT 6,000 PSI (MIN.) IN JOINT.
GROUT SHALL BE INSTALLED PRIOR TO ERECTING DTs.

85

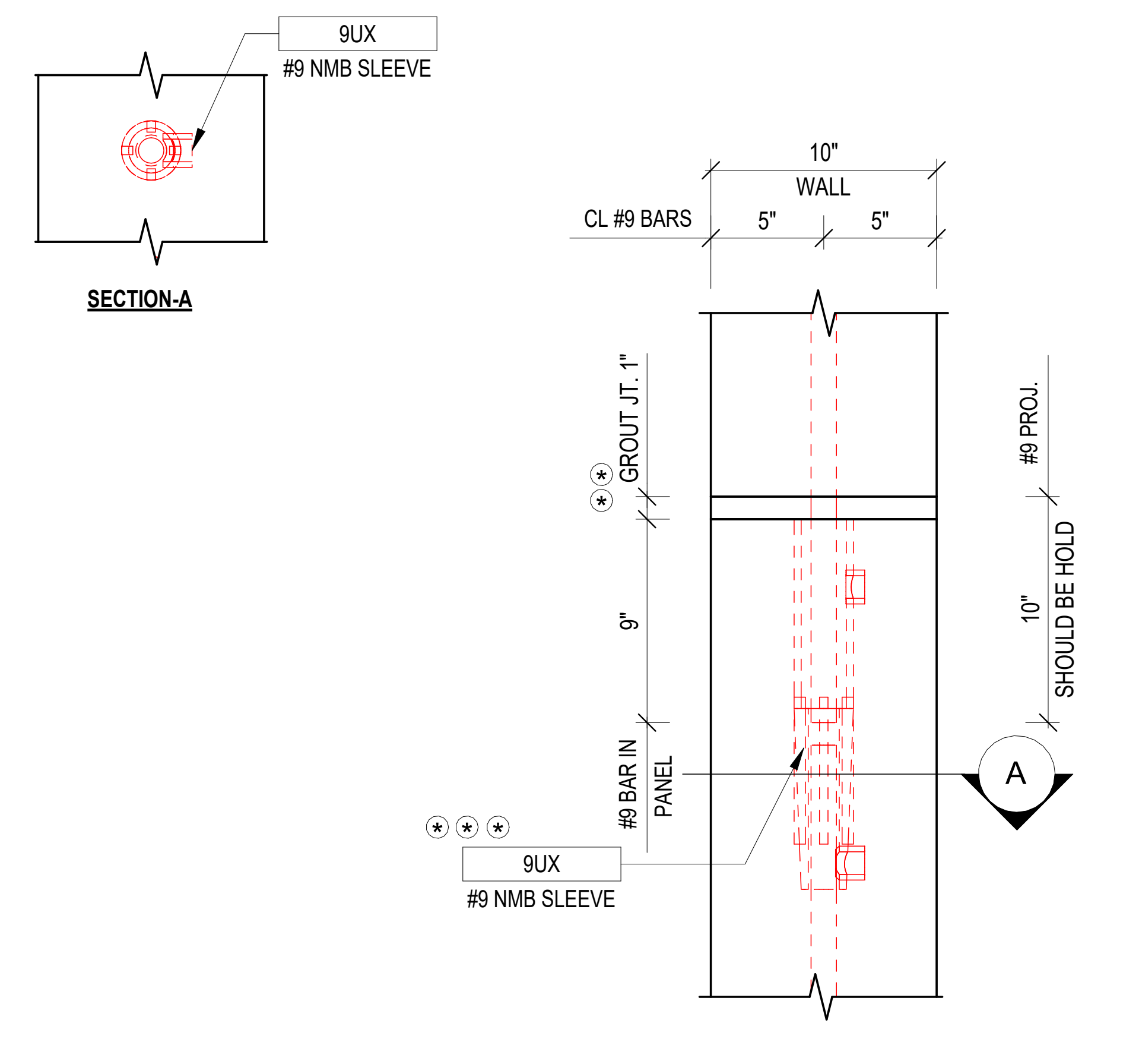

3/4" CHAMFER
(TYP.)
10"
3/4"
8 1/2"
3/4"
DRAFT 1/2"
3/4"
SECTION-A
G1
1'-10"
WALL
1'-0"
10"
1'-10"
WALL POCKET
70
E6.05
2" JT.
A
10"
6" JT.
1'-4"
SPANDREL
2'-5"
4'-7"
SPANDREL
4'-10"
69
E6.05
1'-4"
1" JT.
P-302G
PL 1/2"x7"x0'-10"(A36)
w/(1) #5x2'-0"LG.(A706)
w/(3) #6 x 3'-6" BENT (A706) (GALV.)
x2
E-001
1/2"x7"x0'-10" MASTICORD

86


10"
3/4"
8 1/2"
3/4"
DRAFT 1/2"
3/4" CHAMFER
(TYP.)
3/4"
SECTION-A
GA
1'-10"
COLUMN
1'-0"
10"
COLUMN
POCKET
1'-0"
10"
70
E6.05
3'-6 1/2"
10"
1'-7"
1'-2"
P-301G
PL 1/2"x7"x0'-10"(A36)
w/(1) #4x2'-0"LG.(A706)
w/(3) #7 x 3'-10" BENT (A706) (GALV.)
x2
E-001
1/2"x7"x0'-10" MASTICORD

⊙⊙ DRY-PACK OR FLOWABLE GROUT 9,000 PSI (MIN.)
GROUT SHALL BE INSTALLED PRIOR TO ERECTING DTs.

87

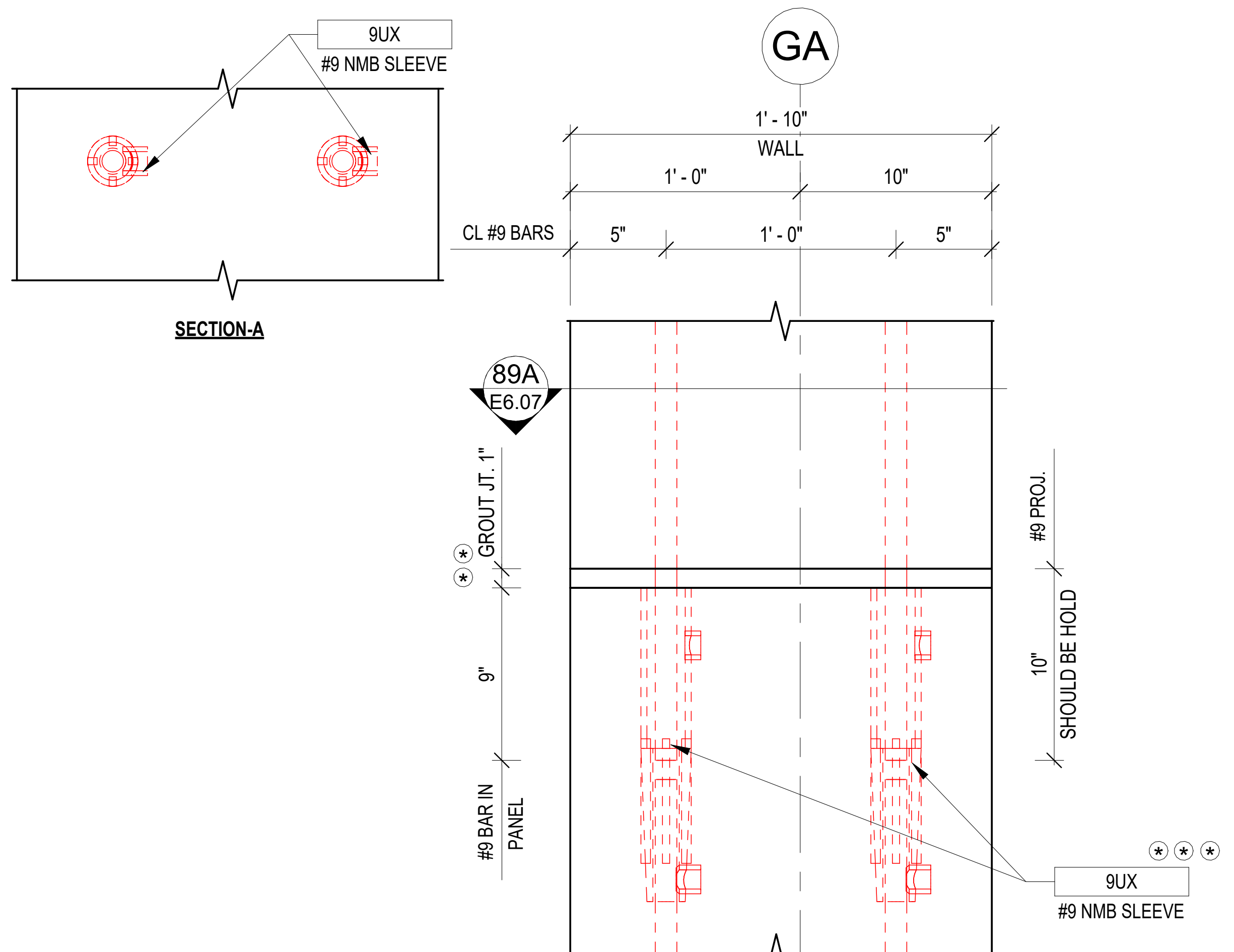

9UX
#9 NMB SLEEVE
SECTION-A
10"
WALL
CL #9 BARS
5"
5"
GROUT JT. 1"
#9 PROJ.
9"
10"
SHOULD BE HOLD
#9 BAR IN
PANEL
A
9UX
#9 NMB SLEEVE

ERECTOR NOTE

⊙⊙ DRY-PACK OR FLOWABLE GROUT 6,000 PSI (MIN.) IN JOINT.
GROUT SHALL BE INSTALLED PRIOR TO ERECTING DTs.

⊙⊙⊙ NMB SLEEVES TO BE GROUTED W/SS MORTAR
PER THE MANUFACTURER'S SPECIFICATIONS

88

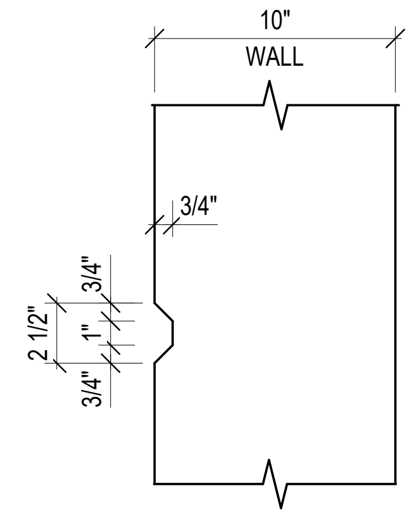

9UX
#9 NMB SLEEVE
SECTION-A
GA
1'-10"
WALL
1'-0"
10"
CL #9 BARS
5"
1'-0"
5"
89A
E6.07
GROUT JT. 1"
#9 PROJ.
9"
10"
SHOULD BE HOLD
#9 BAR IN
PANEL
9UX
#9 NMB SLEEVE

ERECTOR NOTE

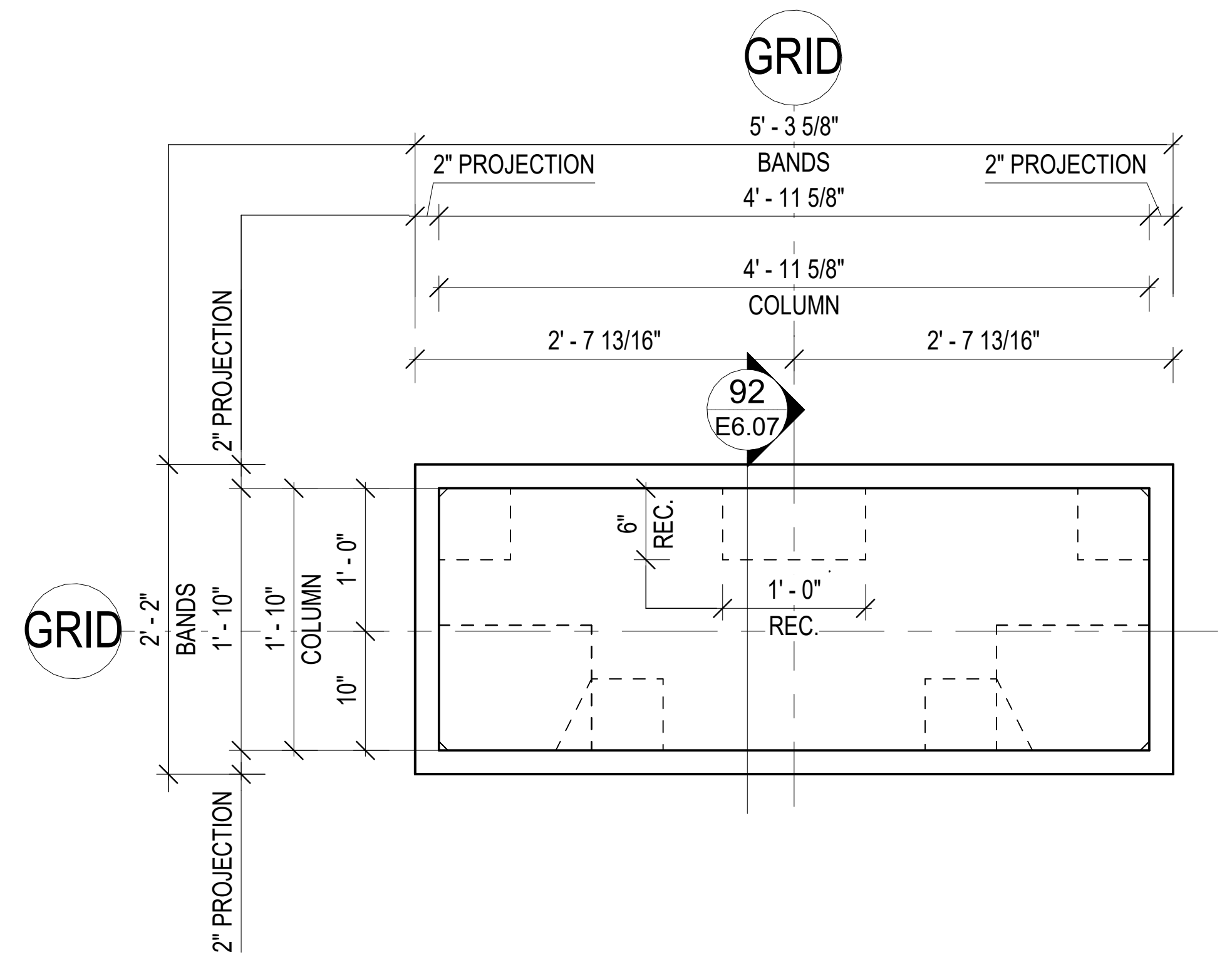
⊙⊙ DRY-PACK OR FLOWABLE GROUT 6,000 PSI (MIN.) IN JOINT.
GROUT SHALL BE INSTALLED PRIOR TO ERECTING DTs.

⊙⊙⊙ NMB SLEEVES TO BE GROUTED W/SS MORTAR
PER THE MANUFACTURER'S SPECIFICATIONS

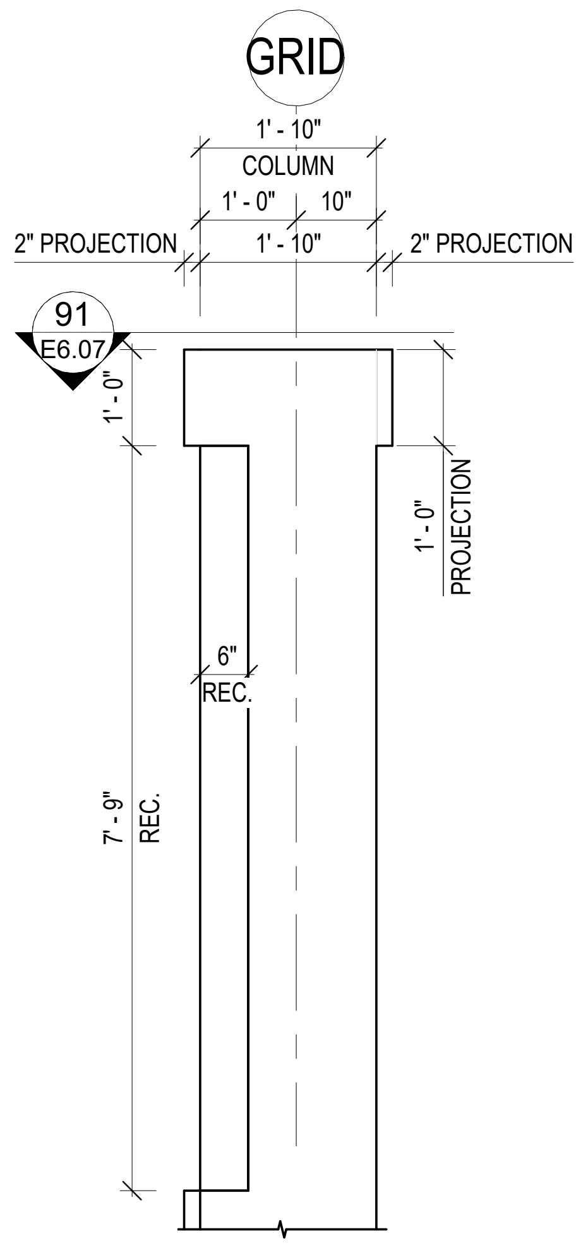
89


10"
WALL
3/4"
2 1/2"
3/4"
1"
3/4"

90

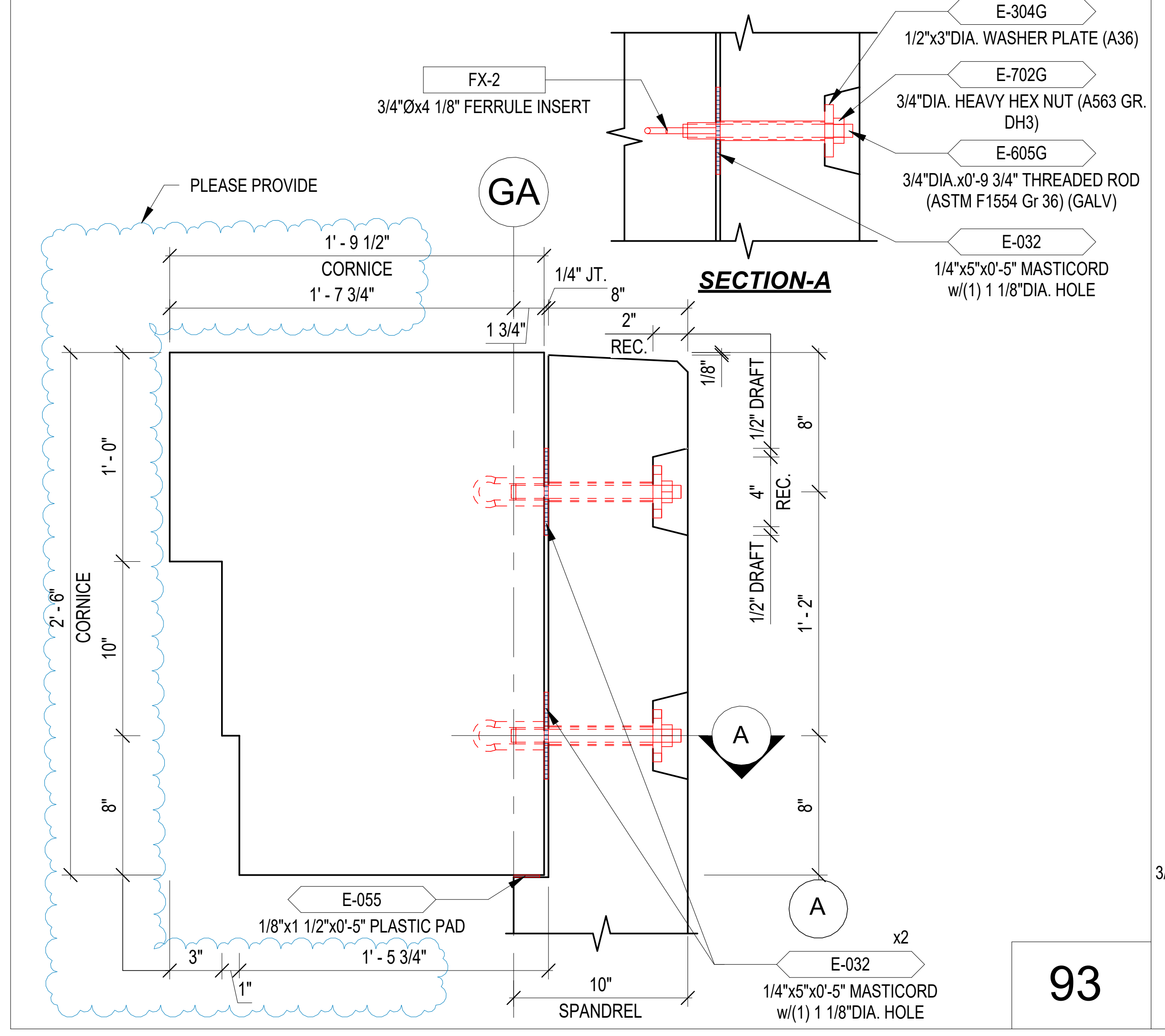

GRID
5'-3 5/8"
BANDS
4'-11 5/8"
2" PROJECTION
2" PROJECTION
4'-11 5/8"
COLUMN
2'-7 13/16"
2'-7 13/16"
92
E6.07
GRID
2" PROJECTION
2'-2"
BANDS
1'-10"
COLUMN
1'-0"
10"
6"
REC.
1'-0"
REC.
2" PROJECTION

91

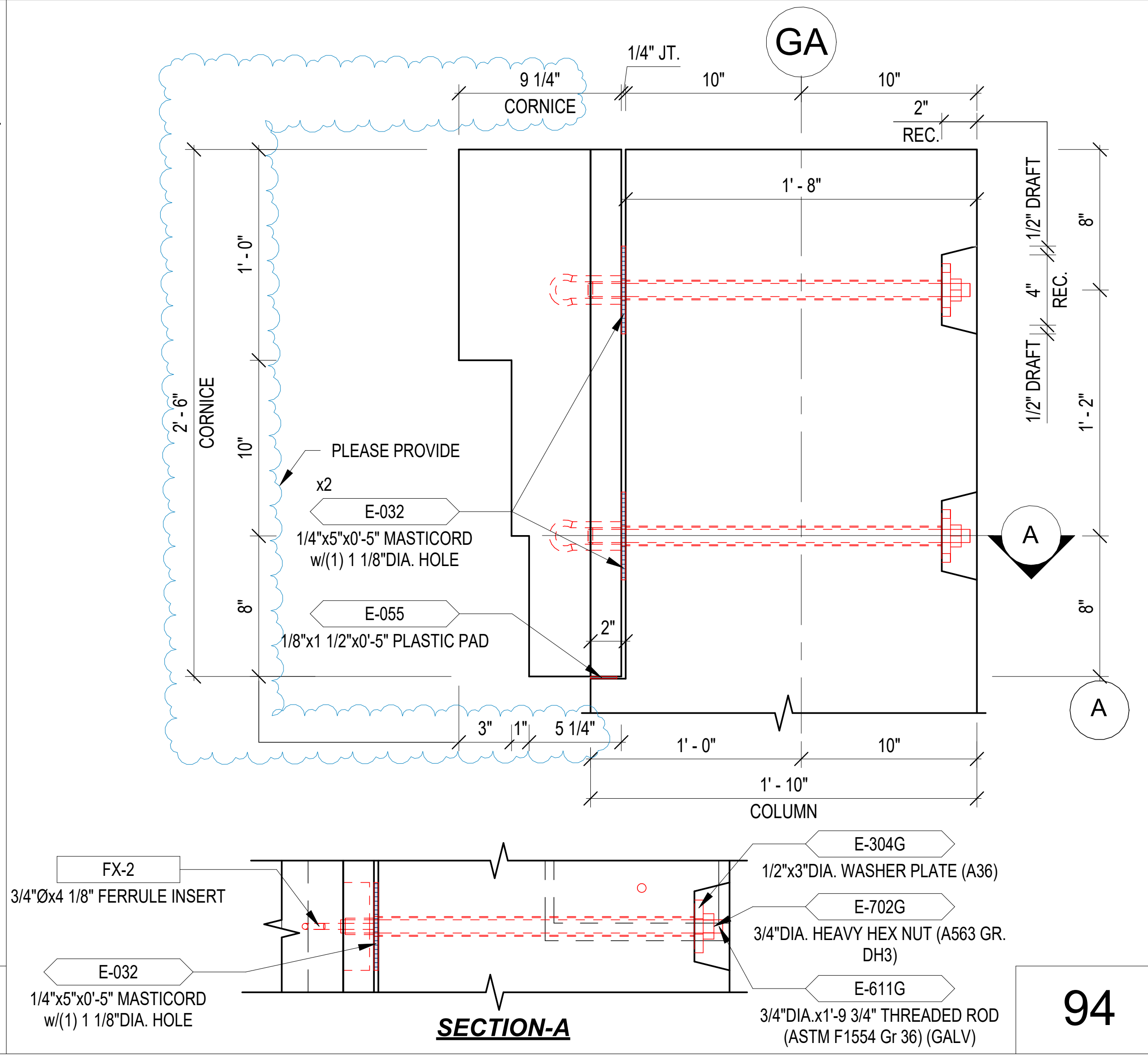

GRID
1'-10"
COLUMN
1'-0"
10"
2" PROJECTION
1'-10"
2" PROJECTION
91
E6.07
1'-0"
1'-0"
PROJECTION
6"
REC.
7'-9"
REC.

CHRIS C. KERCSMAR
PE062269

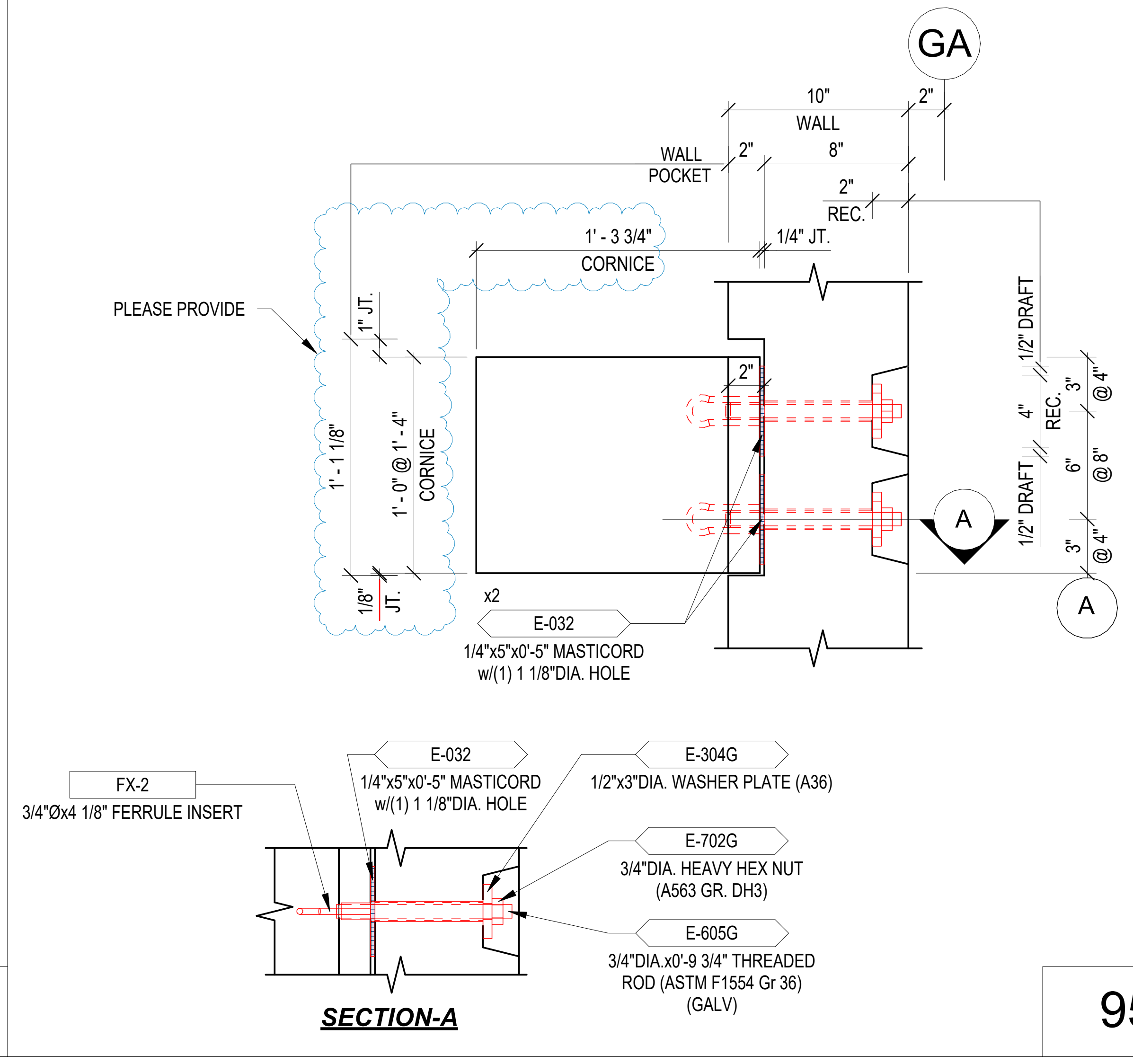
92


FX-2
3/4"Øx4 1/8" FERRULE INSERT
E-304G
1/2"x3"DIA. WASHER PLATE (A36)
E-702G
3/4"DIA. HEAVY HEX NUT (A563 GR. DH3)
E-605G
3/4"DIA.x0'-9 3/4" THREADED ROD
(ASTM F1554 Gr 36) (GALV)
E-032
1/4"x5"x0'-5" MASTICORD
w/(1) 1 1/8"DIA. HOLE
SECTION-A
PLEASE PROVIDE
GA
1'-9 1/2"
CORNICE
1'-7 3/4"
1/4" JT.
8"
1 3/4"
2"
REC.
1/8"
1/2" DRAFT
8"
1'-0"
2'-6"
CORNICE
10"
4"
REC.
1/2" DRAFT
1'-2"
A
8"
8"
A
E-055
1/8"x1 1/2"x0'-5" PLASTIC PAD
3"
1'-5 3/4"
1"
10"
SPANDREL
x2
E-032
1/4"x5"x0'-5" MASTICORD
w/(1) 1 1/8"DIA. HOLE

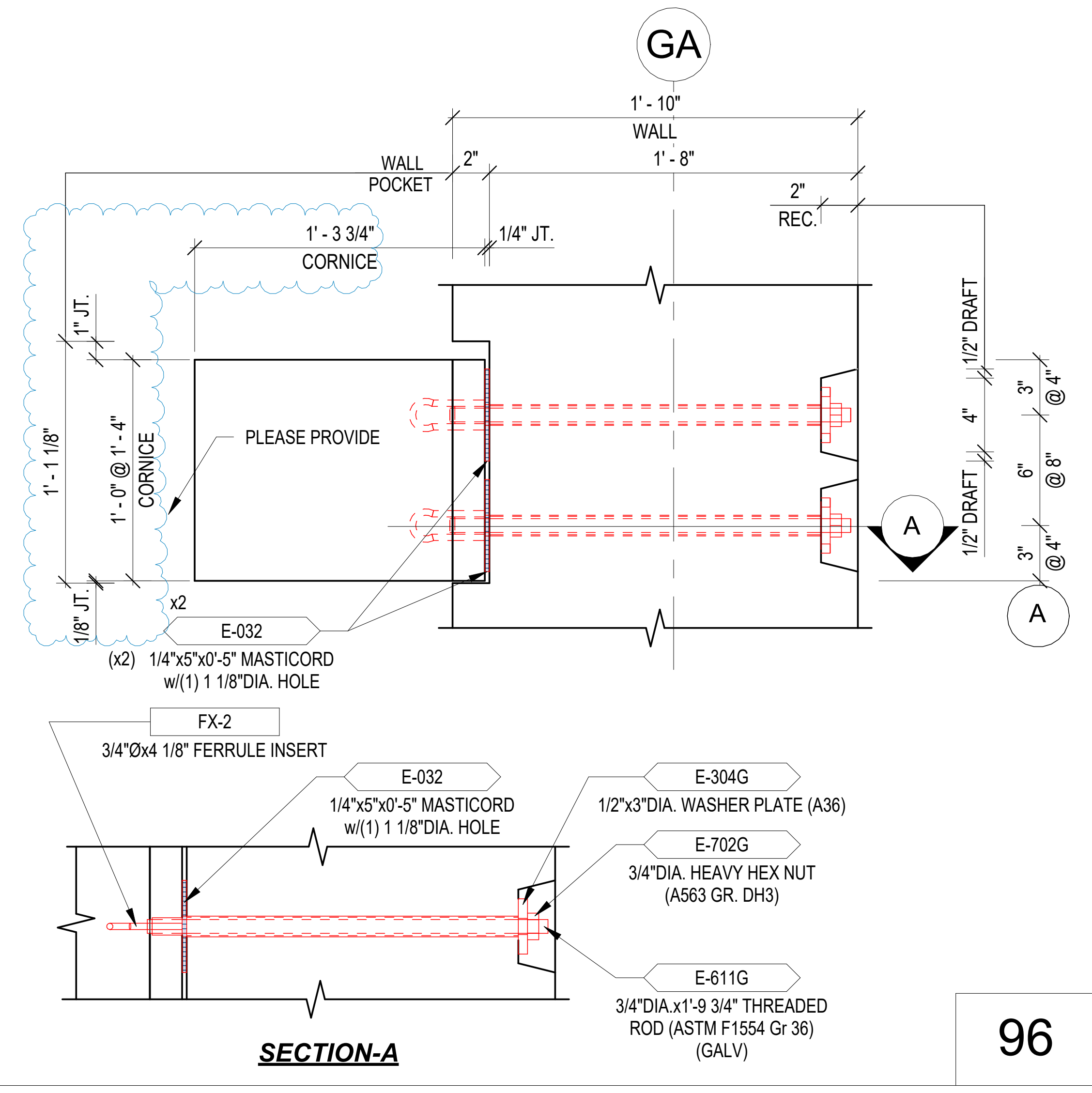
93


GA
9 1/4"
CORNICE
1/4" JT.
10"
10"
2"
REC.
1'-8"
1/2" DRAFT
8"
1'-0"
4"
REC.
2'-6"
CORNICE
1/2" DRAFT
1'-2"
PLEASE PROVIDE
x2
E-032
1/4"x5"x0'-5" MASTICORD
w/(1) 1 1/8"DIA. HOLE
E-055
1/8"x1 1/2"x0'-5" PLASTIC PAD
10"
8"
2"
A
8"
A
3"
1"
5 1/4"
1'-0"
10"
1'-10"
COLUMN
FX-2
3/4"Øx4 1/8" FERRULE INSERT
E-032
1/4"x5"x0'-5" MASTICORD
w/(1) 1 1/8"DIA. HOLE
SECTION-A
E-304G
1/2"x3"DIA. WASHER PLATE (A36)
E-702G
3/4"DIA. HEAVY HEX NUT (A563 GR. DH3)
E-611G
3/4"DIA.x1'-9 3/4" THREADED ROD
(ASTM F1554 Gr 36) (GALV)

94


GA
10"
2"
WALL
WALL
POCKET
2"
8"
2"
REC.
1'-3 3/4"
CORNICE
1/4" JT.
PLEASE PROVIDE
1" JT.
2"
1/2" DRAFT
1'-1 1/8"
1'-0" @ 1'-4"
CORNICE
4"
REC.
3"
@ 4"
6"
@ 8"
3"
@ 4"
A
1/2" DRAFT
A
1/8"
JT.
x2
E-032
1/4"x5"x0'-5" MASTICORD
w/(1) 1 1/8"DIA. HOLE
FX-2
3/4"Øx4 1/8" FERRULE INSERT
E-032
1/4"x5"x0'-5" MASTICORD
w/(1) 1 1/8"DIA. HOLE
E-304G
1/2"x3"DIA. WASHER PLATE (A36)
E-702G
3/4"DIA. HEAVY HEX NUT
(A563 GR. DH3)
E-605G
3/4"DIA.x0'-9 3/4" THREADED
ROD (ASTM F1554 Gr 36)
(GALV)
SECTION-A

95


GA
1'-10"
WALL
1'-8"
WALL
POCKET
2"
2"
REC.
1'-3 3/4"
CORNICE
1/4" JT.
1" JT.
1/2" DRAFT
1'-1 1/8"
1'-0" @ 1'-4"
CORNICE
PLEASE PROVIDE
4"
3"
@ 4"
6"
@ 8"
3"
@ 4"
A
1/2" DRAFT
A
1/8" JT.
x2
E-032
(x2) 1/4"x5"x0'-5" MASTICORD
w/(1) 1 1/8"DIA. HOLE
FX-2
3/4"Øx4 1/8" FERRULE INSERT
E-032
1/4"x5"x0'-5" MASTICORD
w/(1) 1 1/8"DIA. HOLE
E-304G
1/2"x3"DIA. WASHER PLATE (A36)
E-702G
3/4"DIA. HEAVY HEX NUT
(A563 GR. DH3)
E-611G
3/4"DIA.x1'-9 3/4" THREADED
ROD (ASTM F1554 Gr 36)
(GALV)
SECTION-A

96

DRAWN BY:
OOM
CHECKED BY:
DATE:
11/15/22

SUBMITTALS/REVISIONS:

A	FOR APPROVAL	01/05/23

The CONSULTING ENGINEERS GROUP Inc.
16302 Pleasantville Road – SUITE 100 – SAN ANTONIO, TX 78233
210 637-0977 FAX 210 637-1172 E-MAIL engineers@cegtex.com

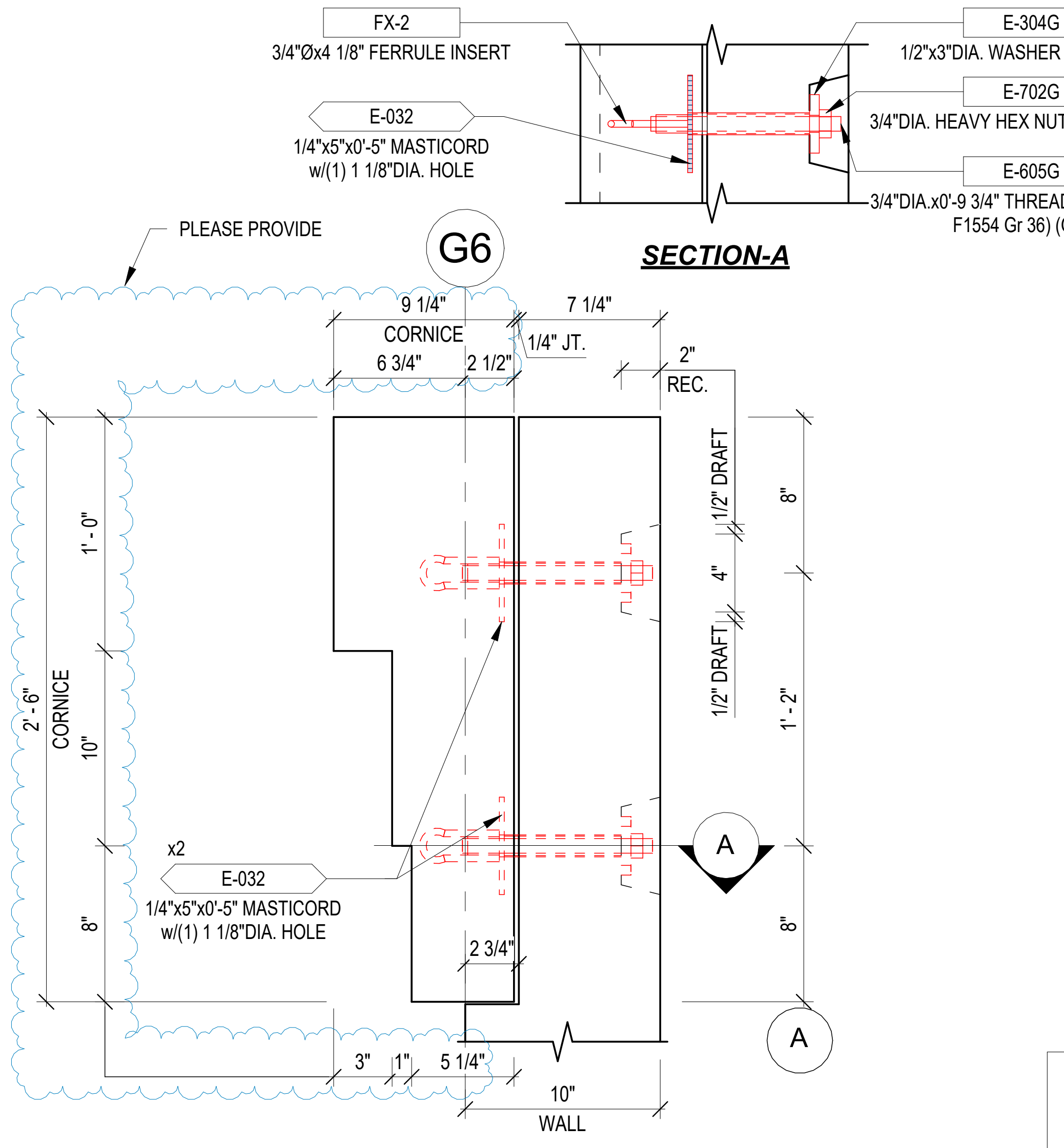
PROJECT:
GRANITE RUN PHASE II
MIDDLETOWN TOWNSHIP, PA
SECTIONS AND DETAILS (85-96)

JERSEY PRECAST
853 NOTTINGHAM WAY
HAMILTON TOWNSHIP, NJ 08638
PH: 609-689-3700 FAX: 609-689-3797

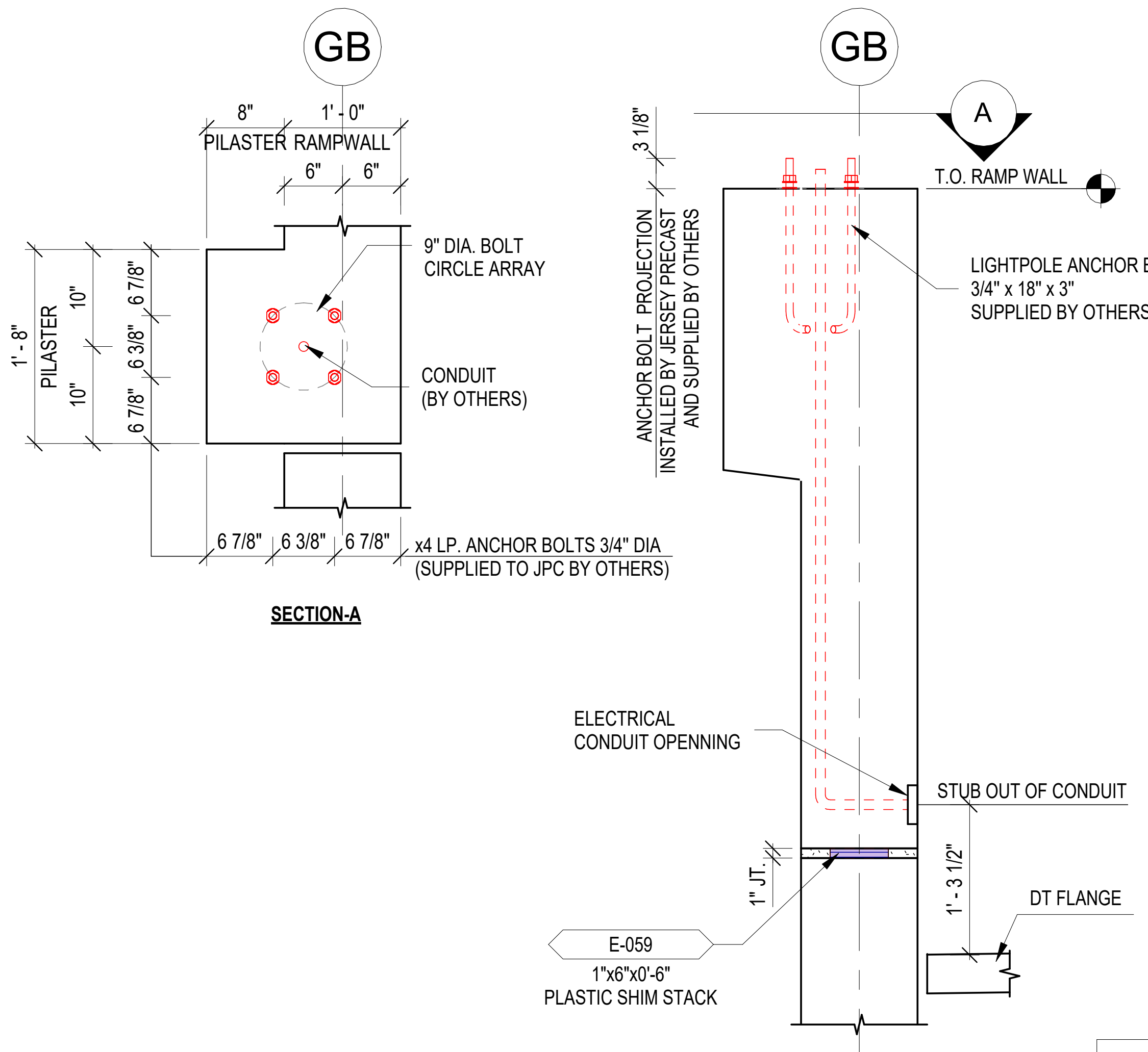
CEG JOB NO.
22551

JOB NO.
22040

SHEET NO.
E6.07

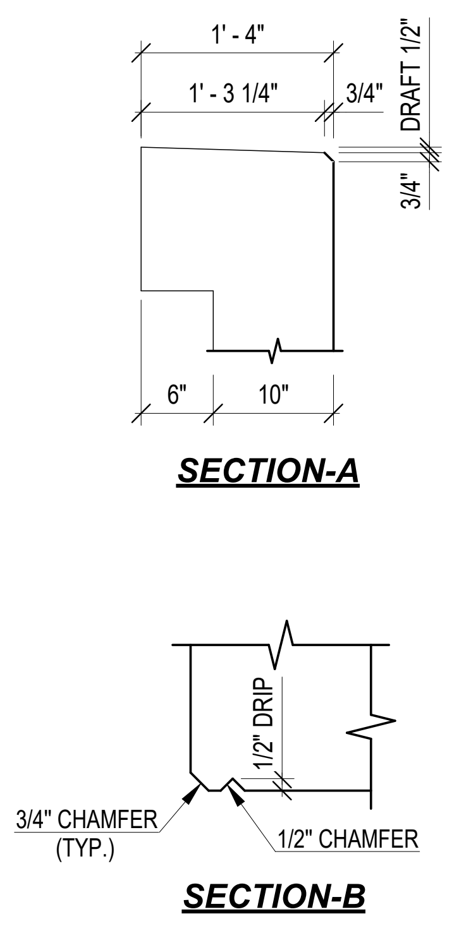

FX-2
3/4"Øx4 1/8" FERRULE INSERT
E-032
1/4"x5"x0'-5" MASTICORD
w/(1) 1 1/8"DIA. HOLE
E-304G
1/2"x3"DIA. WASHER PLATE (A36)
E-702G
3/4"DIA. HEAVY HEX NUT (A563 GR. DH3)
E-605G
3/4"DIA.x0'-9 3/4" THREADED ROD (ASTM F1554 Gr 36) (GALV)
SECTION-A
PLEASE PROVIDE
G6
9 1/4"
CORNICE
6 3/4"
2 1/2"
7 1/4"
1/4" JT.
2"
REC.
2'-6"
CORNICE
1'-0"
10"
8"
1/2" DRAFT
4"
1/2" DRAFT
8"
1'-2"
8"
x2
E-032
1/4"x5"x0'-5" MASTICORD
w/(1) 1 1/8"DIA. HOLE
2 3/4"
A
A
3"
1"
5 1/4"
10"
WALL

97

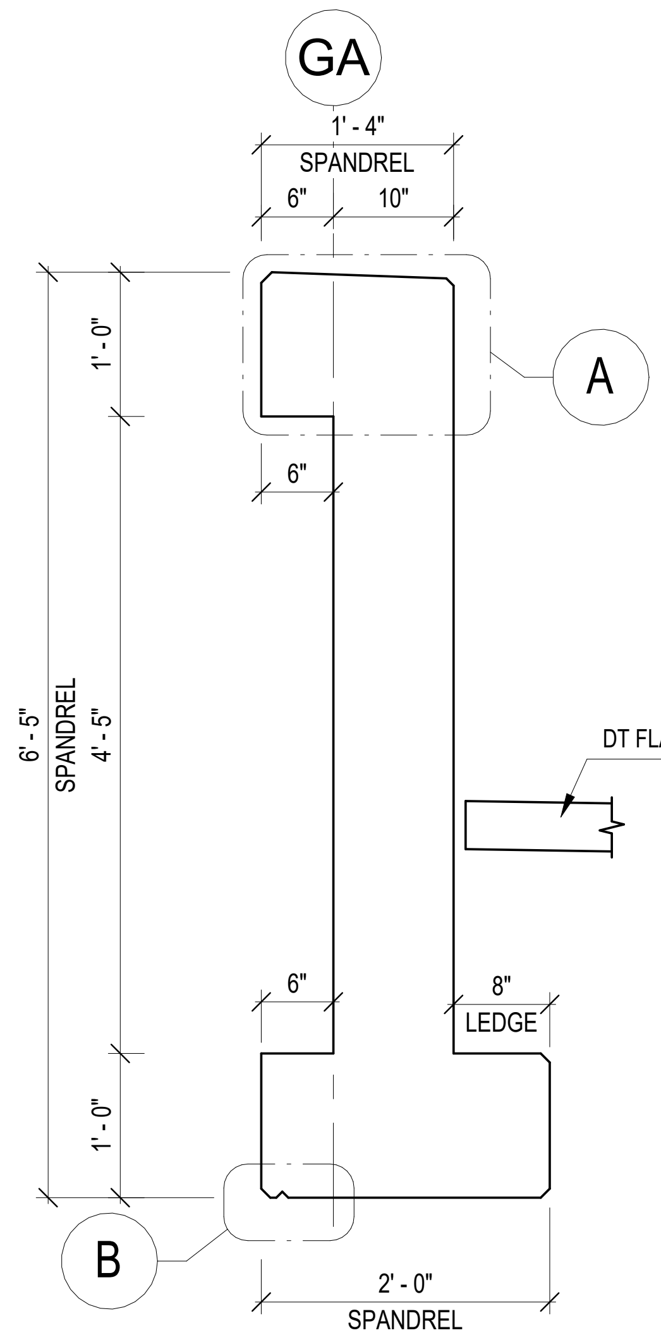

GB
8"
1'-0"
PILASTER
RAMPWALL
6"
6"
9" DIA. BOLT CIRCLE ARRAY
CONDUIT (BY OTHERS)
1'-8"
PILASTER
10"
10"
6 7/8"
6 3/8"
6 7/8"
6 7/8"
6 3/8"
6 7/8"
x4 LP. ANCHOR BOLTS 3/4" DIA (SUPPLIED TO JPC BY OTHERS)
SECTION-A
GB
A
3 1/8"
ANCHOR BOLT PROJECTION INSTALLED BY JERSEY PRECAST AND SUPPLIED BY OTHERS
T.O. RAMP WALL
LIGHTPOLE ANCHOR BOLTS
3/4" x 18" x 3"
SUPPLIED BY OTHERS
ELECTRICAL CONDUIT OPENNING
STUB OUT OF CONDUIT
1" JT.
1'-3 1/2"
DT FLANGE
E-059
1"x6"x0'-6"
PLASTIC SHIM STACK

INTERNAL RAMP WALL LIGHT POLE

98

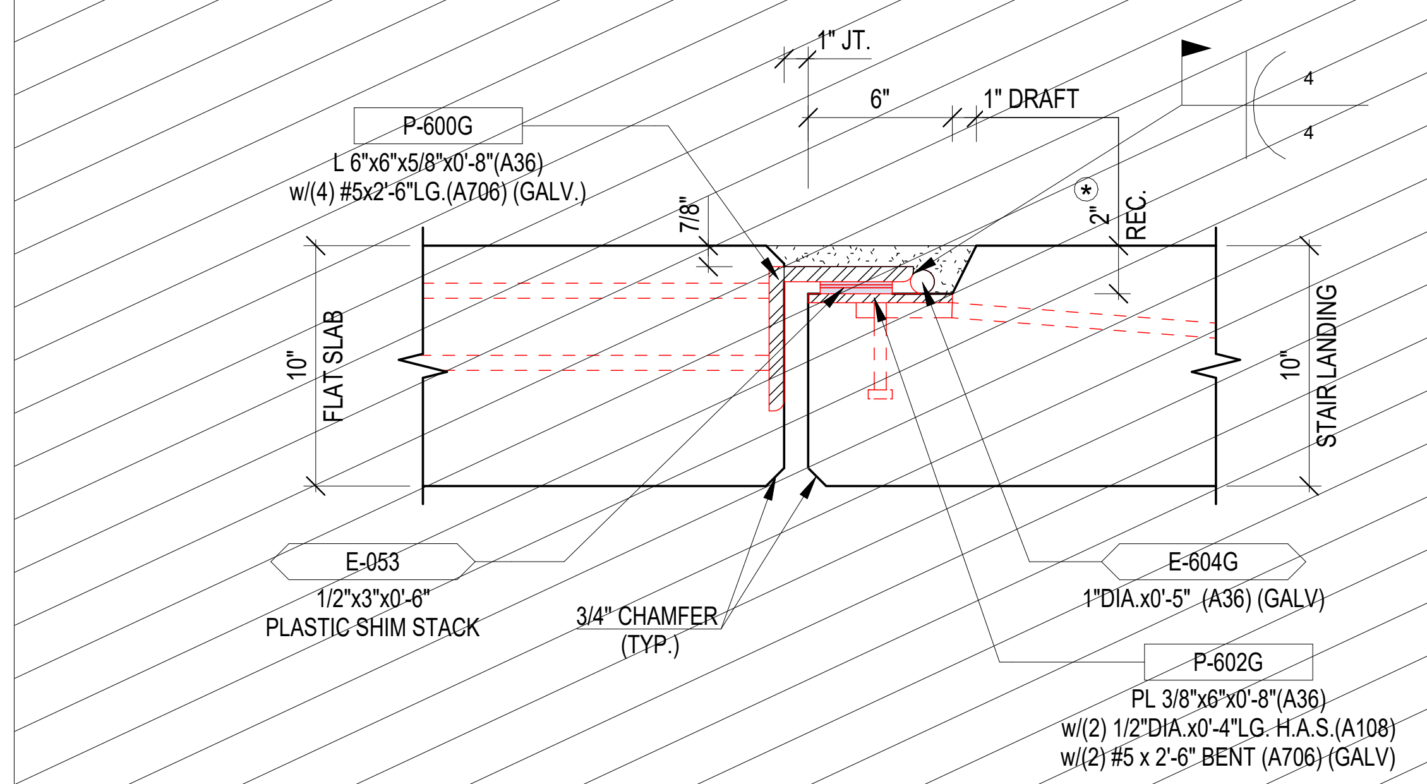

1'-4"
1'-3 1/4"
3/4"
DRAFT 1/2"
3/4"
6"
10"
SECTION-A
1/2" DRIP
3/4" CHAMFER (TYP.)
1/2" CHAMFER
SECTION-B

CHRIS C. KERCSMAR
PE062269


GA
1'-4"
SPANDREL
6"
10"
A
1'-0"
6'-5"
SPANDREL
4'-5"
6"
DT FLANGE
6"
8"
LEDGE
1'-0"
B
2'-0"
SPANDREL

99

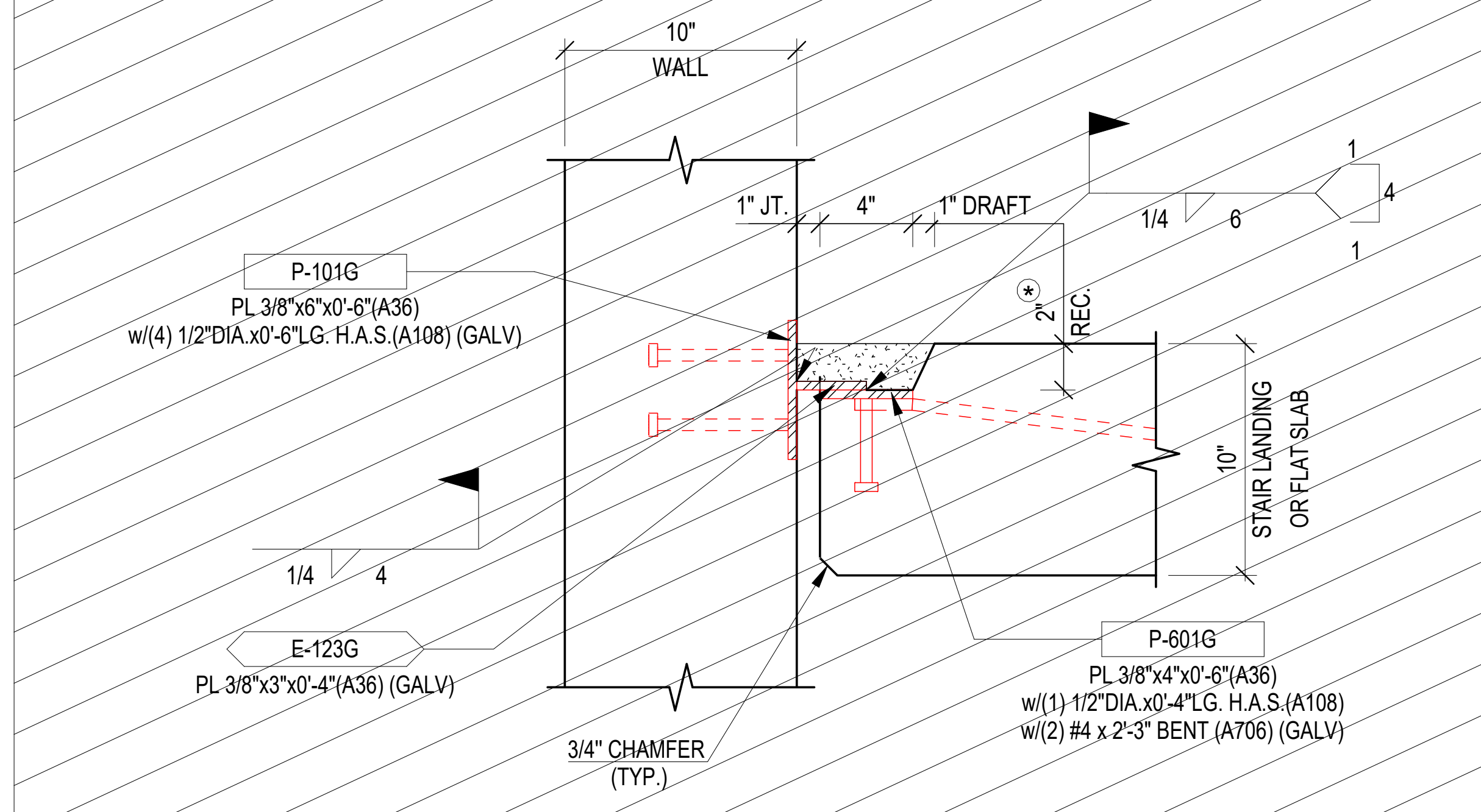
NOT INCLUDED IN THIS SUBMITTAL


1" JT.
6"
1" DRAFT
4
4
P-600G
L 6"x6"x5/8"x0'-8"(A36)
w/(4) #5x2'-6"LG.(A706) (GALV.)
7/8"
2"
REC.
10"
FLAT SLAB
10"
STAIR LANDING
E-053
1/2"x3"x0'-6"
PLASTIC SHIM STACK
3/4" CHAMFER (TYP.)
E-604G
1"DIA.x0'-5" (A36) (GALV)
P-602G
PL 3/8"x6"x0'-8"(A36)
w/(2) 1/2"DIA.x0'-4"LG. H.A.S.(A108)
w/(2) #5 x 2'-6" BENT (A706) (GALV)

* FILL RECESS W/(6000 PSI) GROUT AFTER WELDS ARE INSPECTED AND APPROVED

100

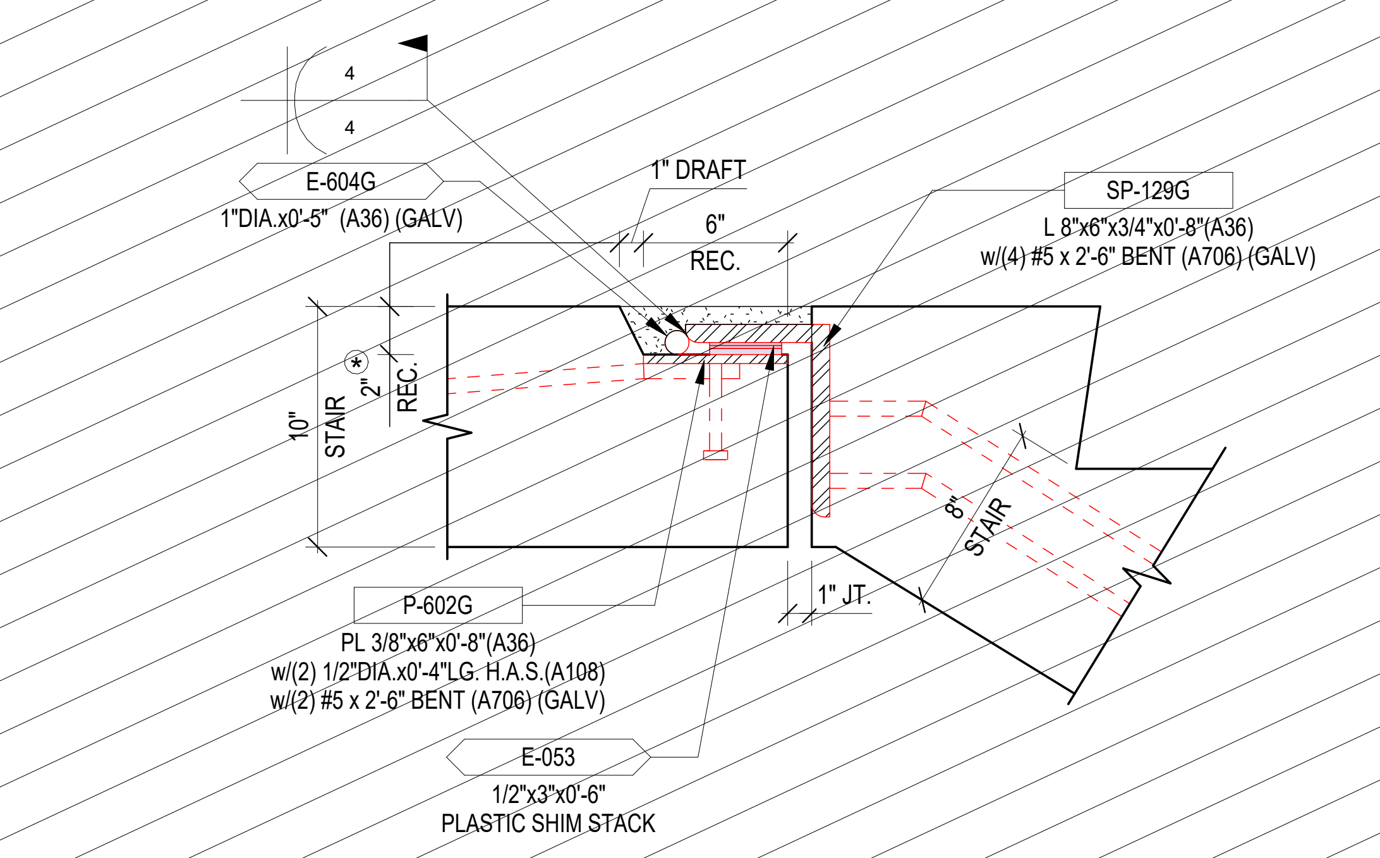
NOT INCLUDED IN THIS SUBMITTAL


10"
WALL
1" JT.
4"
1" DRAFT
1/4
6
1
4
1
P-101G
PL 3/8"x6"x0'-6"(A36)
w/(4) 1/2"DIA.x0'-6"LG. H.A.S.(A108) (GALV)
2"
REC.
10"
STAIR LANDING OR FLAT SLAB
1/4
4
E-123G
PL 3/8"x3"x0'-4"(A36) (GALV)
P-601G
PL 3/8"x4"x0'-6"(A36)
w/(1) 1/2"DIA.x0'-4"LG. H.A.S.(A108)
w/(2) #4 x 2'-3" BENT (A706) (GALV)
3/4" CHAMFER (TYP.)

* FILL RECESS W/(6000 PSI) GROUT AFTER WELDS ARE INSPECTED AND APPROVED

101

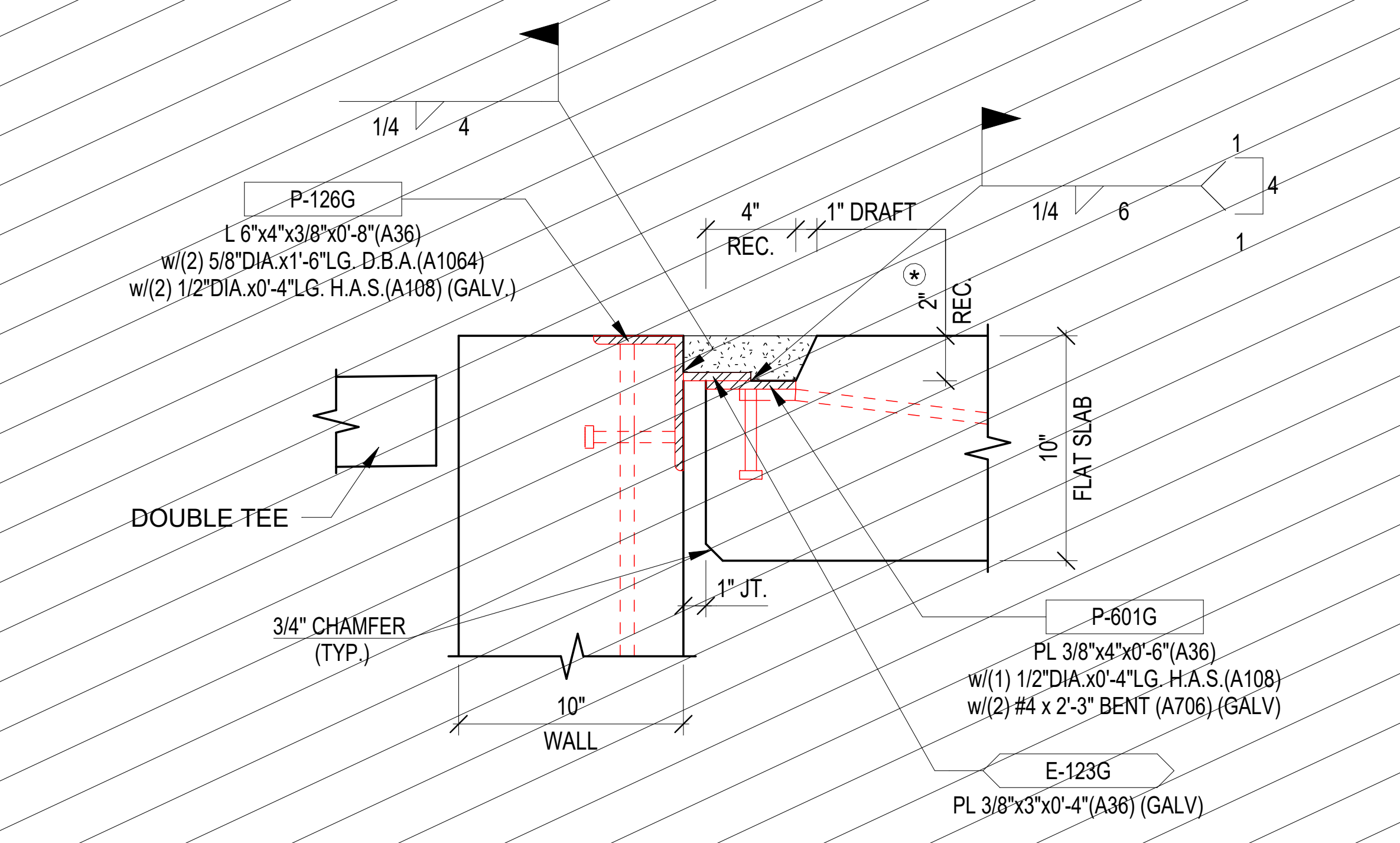
NOT INCLUDED IN THIS SUBMITTAL


4
4
E-604G
1"DIA.x0'-5" (A36) (GALV)
1" DRAFT
6"
REC.
SP-129G
L 8"x6"x3/4"x0'-8"(A36)
w/(4) #5 x 2'-6" BENT (A706) (GALV)
10"
STAIR
2"
REC.
8"
STAIR
1" JT.
P-602G
PL 3/8"x6"x0'-8"(A36)
w/(2) 1/2"DIA.x0'-4"LG. H.A.S.(A108)
w/(2) #5 x 2'-6" BENT (A706) (GALV)
E-053
1/2"x3"x0'-6"
PLASTIC SHIM STACK

* FILL RECESS W/(6000 PSI) GROUT AFTER WELDS ARE INSPECTED AND APPROVED

102

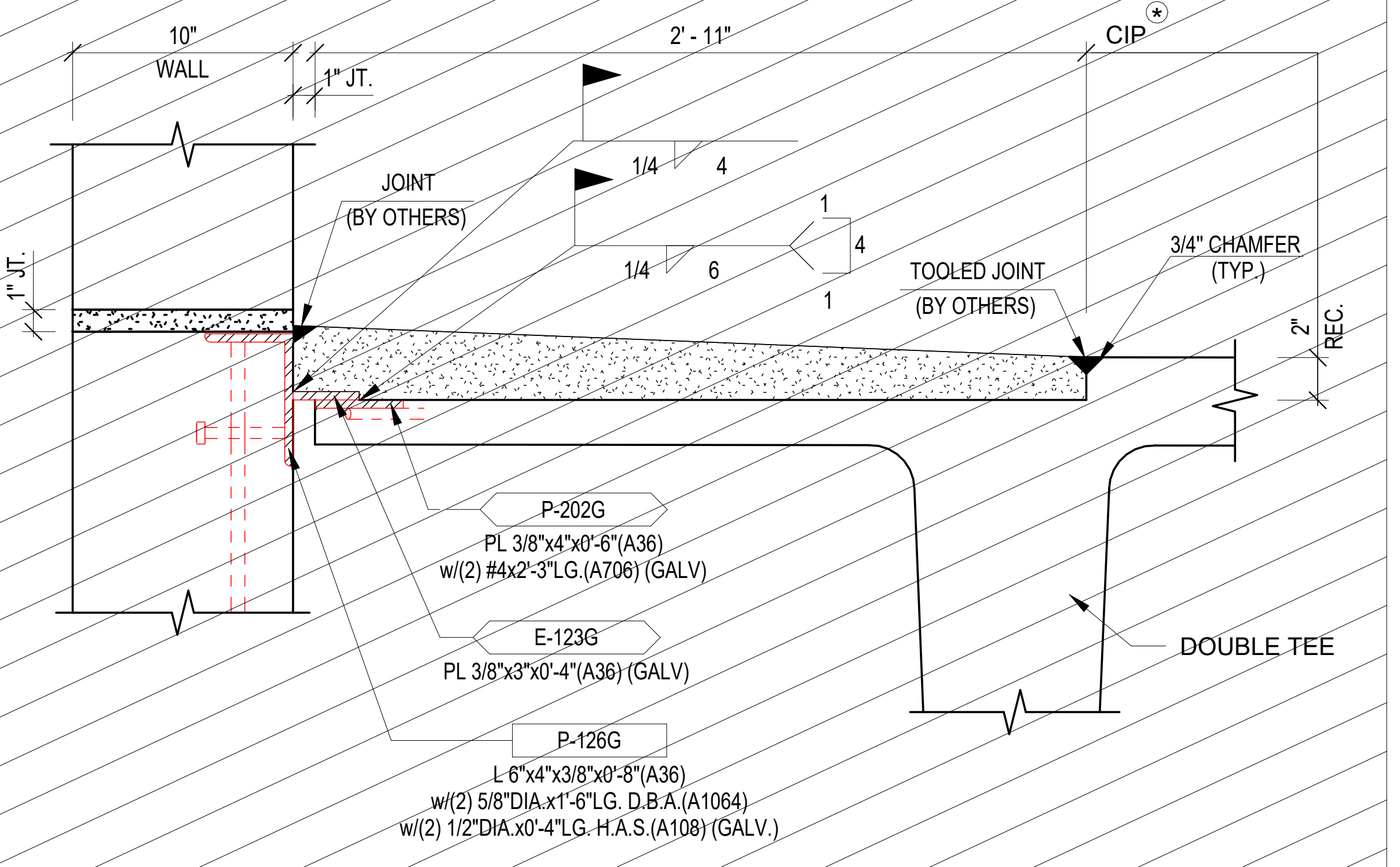
NOT INCLUDED IN THIS SUBMITTAL


1/4
4
P-126G
L 6"x4"x3/8"x0'-8"(A36)
w/(2) 5/8"DIA.x1'-6"LG. D.B.A.(A1064)
w/(2) 1/2"DIA.x0'-4"LG. H.A.S.(A108) (GALV.)
4"
REC.
1" DRAFT
1/4
6
1
4
1
2"
REC.
DOUBLE TEE
10"
FLAT SLAB
1" JT.
3/4" CHAMFER (TYP.)
10"
WALL
P-601G
PL 3/8"x4"x0'-6"(A36)
w/(1) 1/2"DIA.x0'-4"LG. H.A.S.(A108)
w/(2) #4 x 2'-3" BENT (A706) (GALV)
E-123G
PL 3/8"x3"x0'-4"(A36) (GALV)

* FILL RECESS W/(6000 PSI) GROUT AFTER WELDS ARE INSPECTED AND APPROVED

103

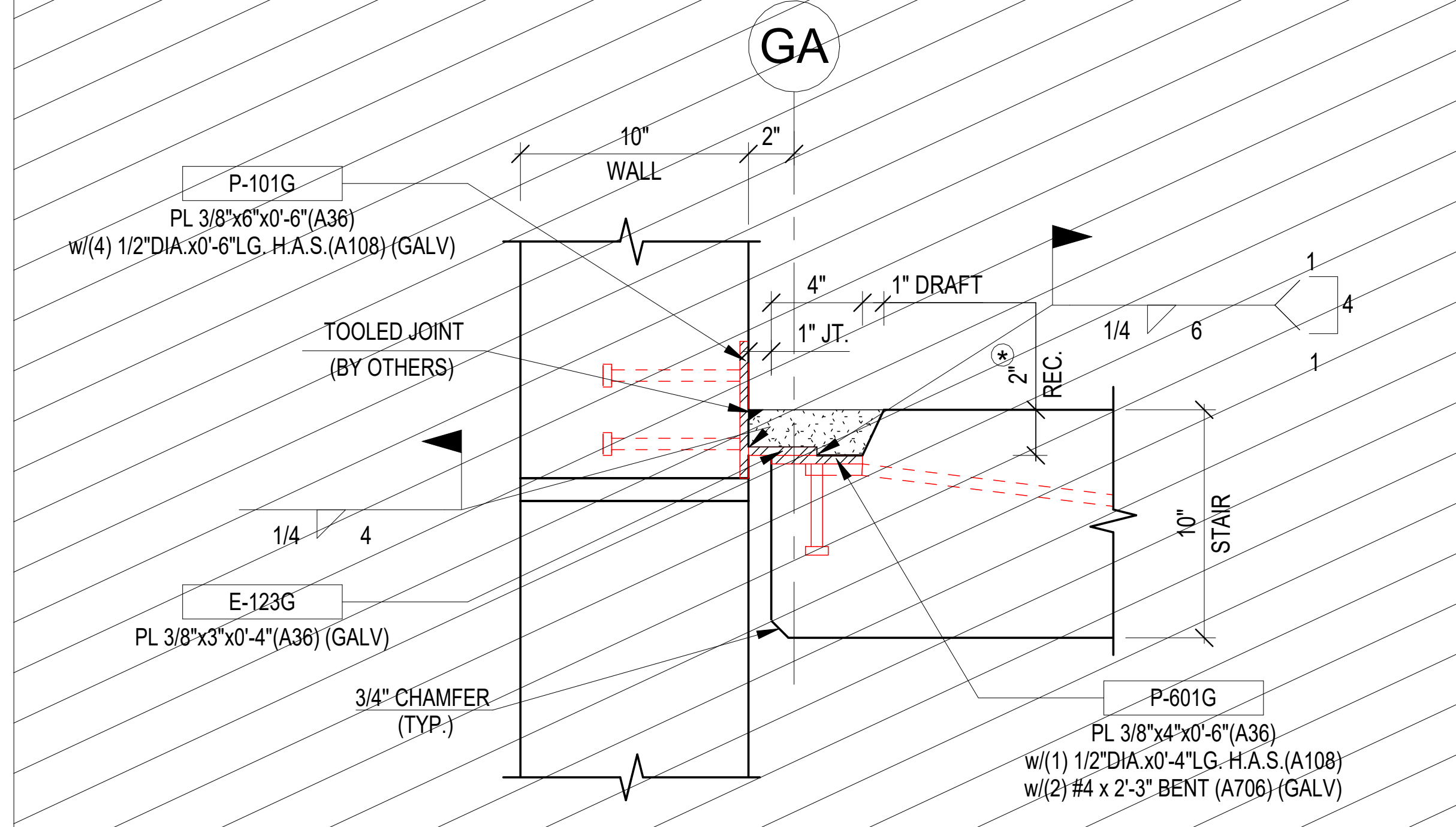
NOT INCLUDED IN THIS SUBMITTAL


10"
WALL
1" JT.
2'-11"
CIP
1" JT.
JOINT (BY OTHERS)
1/4
4
1
4
1/4
6
1
TOOLED JOINT (BY OTHERS)
3/4" CHAMFER (TYP.)
2"
REC.
P-202G
PL 3/8"x4"x0'-6"(A36)
w/(2) #4x2'-3"LG.(A706) (GALV)
E-123G
PL 3/8"x3"x0'-4"(A36) (GALV)
P-126G
L 6"x4"x3/8"x0'-8"(A36)
w/(2) 5/8"DIA.x1'-6"LG. D.B.A.(A1064)
w/(2) 1/2"DIA.x0'-4"LG. H.A.S.(A108) (GALV.)
DOUBLE TEE

* SEE STRUCTURAL DRAWINGS FOR C.I.P. INFO, INCLUDING REINFORCEMENT STEEL (BY OTHERS)

104

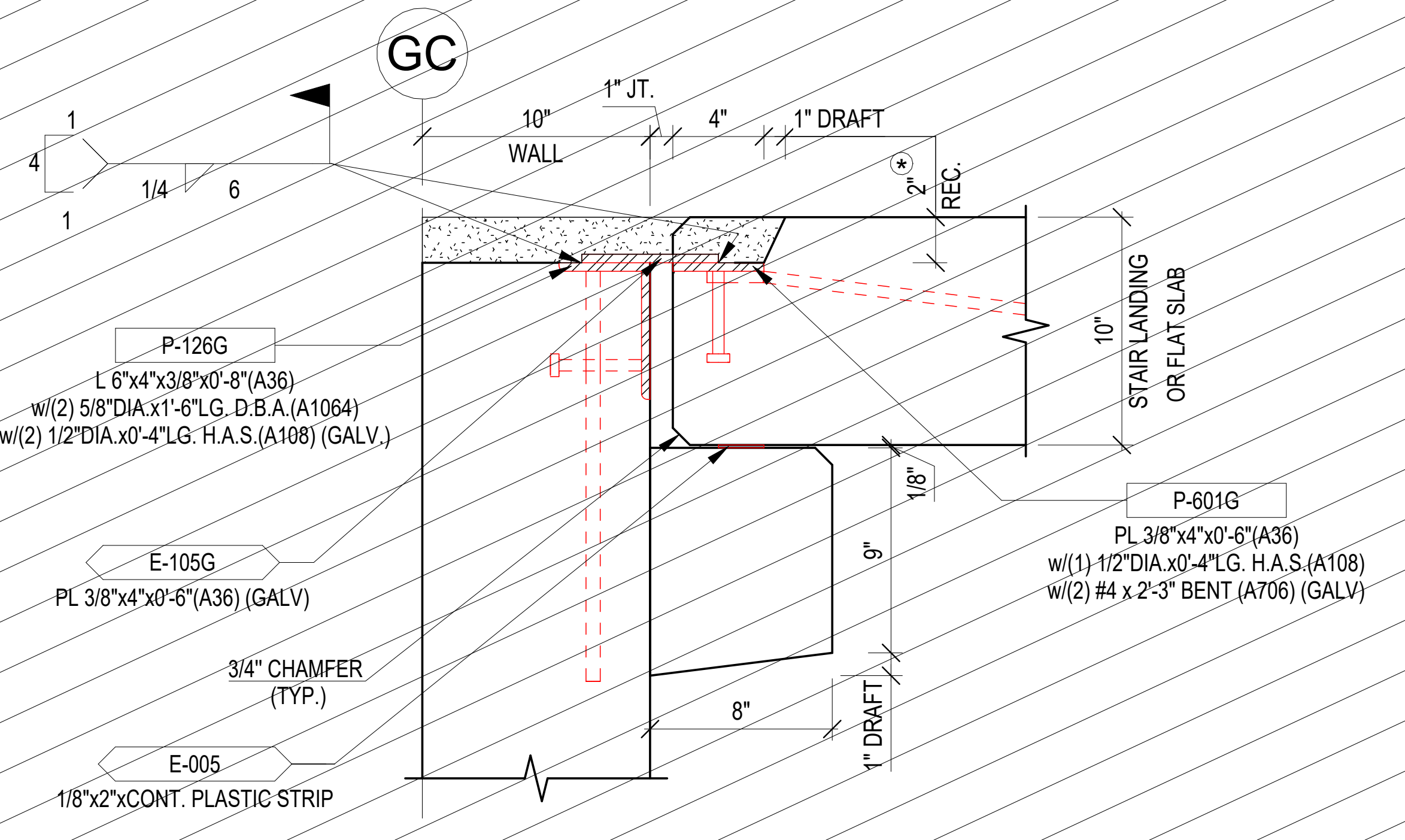
NOT INCLUDED IN THIS SUBMITTAL


GA
10"
WALL
2"
P-101G
PL 3/8"x6"x0'-6"(A36)
w/(4) 1/2"DIA.x0'-6"LG. H.A.S.(A108) (GALV)
4"
1" DRAFT
1" JT.
1/4
6
1
4
1
TOOLED JOINT (BY OTHERS)
2"
REC.
10"
STAIR
1/4
4
E-123G
PL 3/8"x3"x0'-4"(A36) (GALV)
3/4" CHAMFER (TYP.)
P-601G
PL 3/8"x4"x0'-6"(A36)
w/(1) 1/2"DIA.x0'-4"LG. H.A.S.(A108)
w/(2) #4 x 2'-3" BENT (A706) (GALV)

* FILL RECESS W/(6000 PSI) GROUT AFTER WELDS ARE INSPECTED AND APPROVED

105

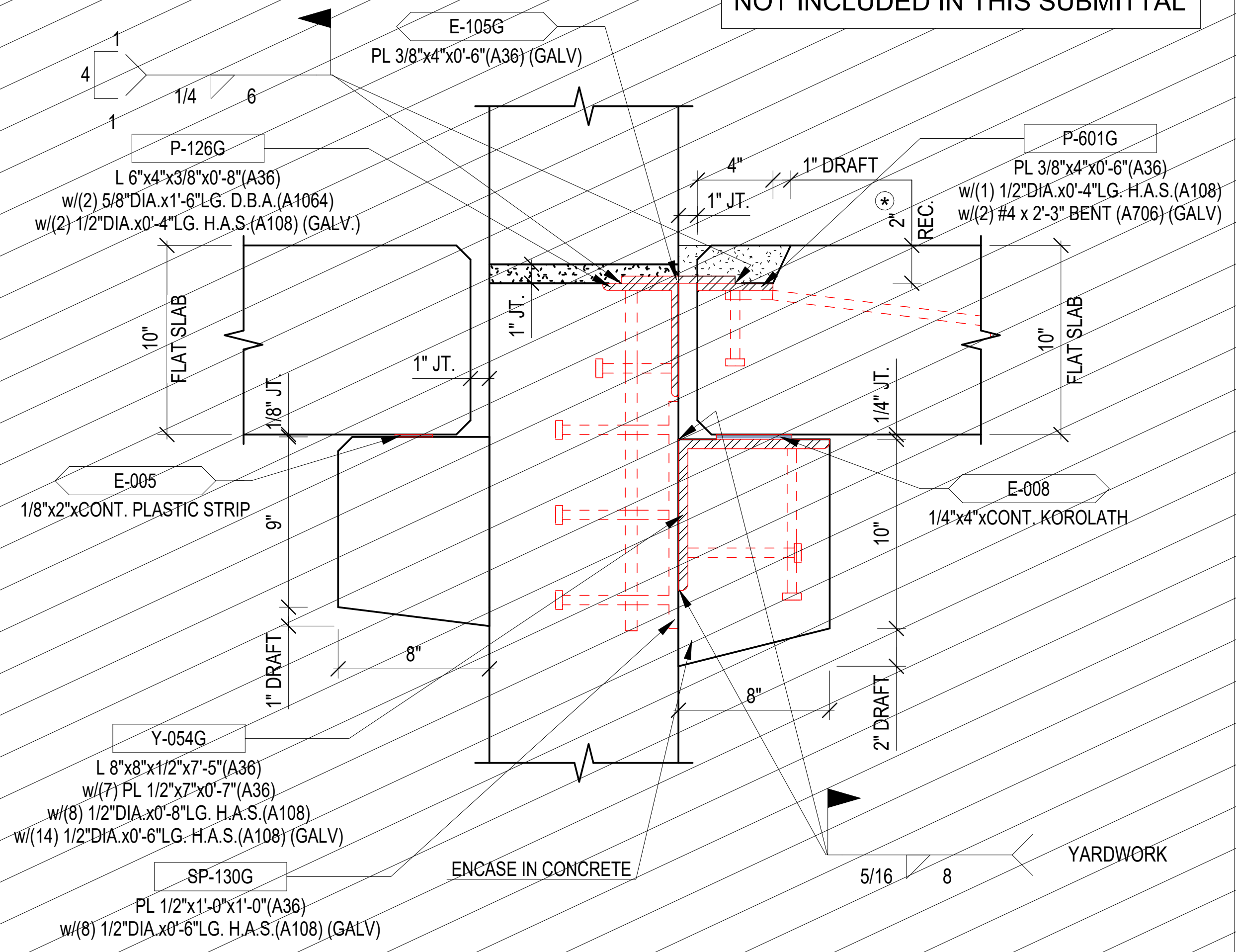
NOT INCLUDED IN THIS SUBMITTAL


GC
1
4
1
1/4
6
10"
WALL
1" JT.
4"
1" DRAFT
2"
REC.
P-126G
L 6"x4"x3/8"x0'-8"(A36)
w/(2) 5/8"DIA.x1'-6"LG. D.B.A.(A1064)
w/(2) 1/2"DIA.x0'-4"LG. H.A.S.(A108) (GALV.)
10"
STAIR LANDING OR FLAT SLAB
1/8"
9"
P-601G
PL 3/8"x4"x0'-6"(A36)
w/(1) 1/2"DIA.x0'-4"LG. H.A.S.(A108)
w/(2) #4 x 2'-3" BENT (A706) (GALV)
E-105G
PL 3/8"x4"x0'-6"(A36) (GALV)
3/4" CHAMFER (TYP.)
8"
1" DRAFT
E-005
1/8"x2"xCONT. PLASTIC STRIP

* FILL RECESS W/(6000 PSI) GROUT AFTER WELDS ARE INSPECTED AND APPROVED

106

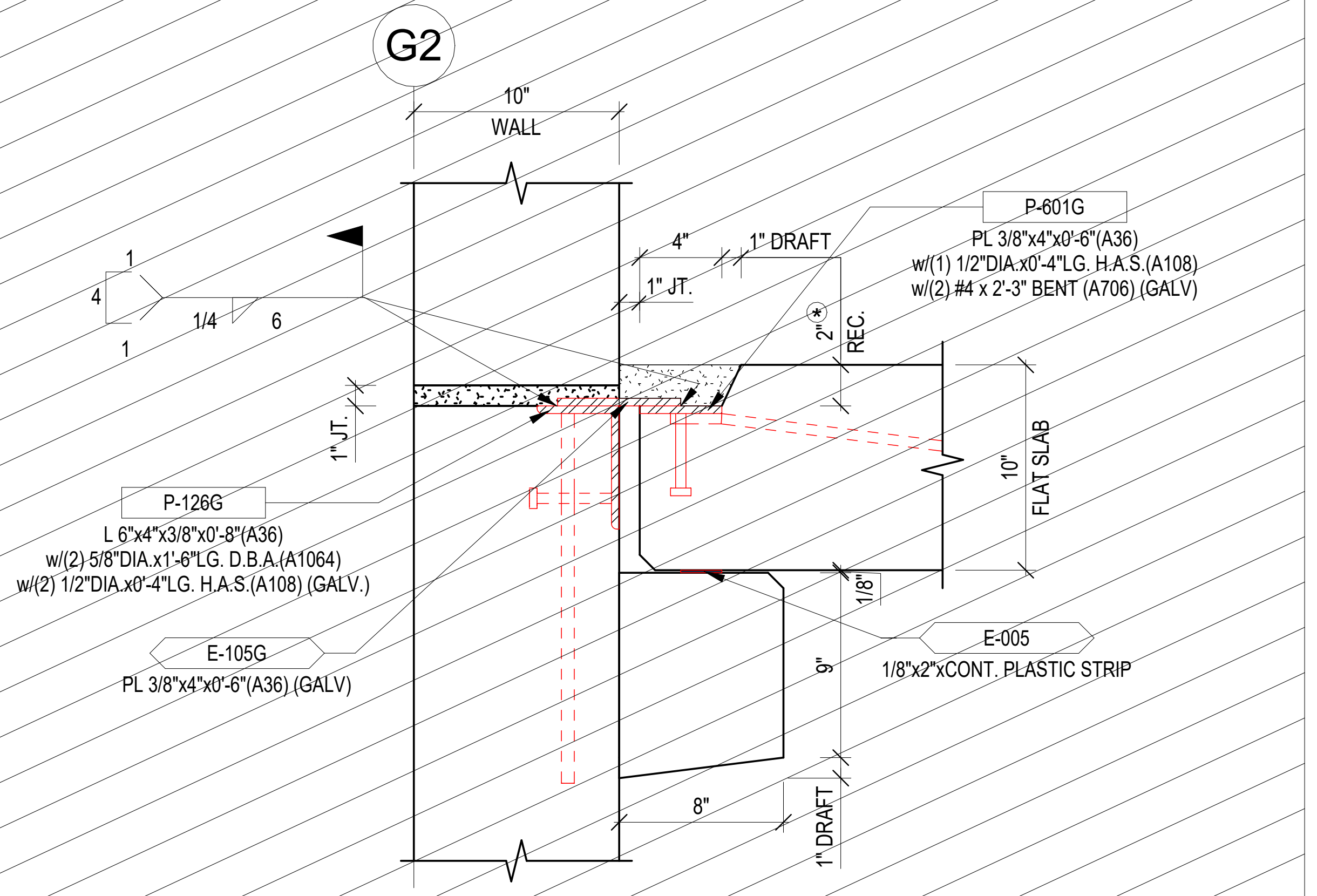
NOT INCLUDED IN THIS SUBMITTAL


1
4
1
1/4
6
E-105G
PL 3/8"x4"x0'-6"(A36) (GALV)
P-126G
L 6"x4"x3/8"x0'-8"(A36)
w/(2) 5/8"DIA.x1'-6"LG. D.B.A.(A1064)
w/(2) 1/2"DIA.x0'-4"LG. H.A.S.(A108) (GALV.)
4"
1" DRAFT
1" JT.
P-601G
PL 3/8"x4"x0'-6"(A36)
w/(1) 1/2"DIA.x0'-4"LG. H.A.S.(A108)
w/(2) #4 x 2'-3" BENT (A706) (GALV)
2"
REC.
10"
FLAT SLAB
1" JT.
1" JT.
10"
FLAT SLAB
1/8" JT.
1/4" JT.
E-005
1/8"x2"xCONT. PLASTIC STRIP
E-008
1/4"x4"xCONT. KOROLATH
9"
10"
8"
1" DRAFT
8"
2" DRAFT
Y-054G
L 8"x8"x1/2"x7'-5"(A36)
w/(7) PL 1/2"x7"x0'-7"(A36)
w/(8) 1/2"DIA.x0'-8"LG. H.A.S.(A108)
w/(14) 1/2"DIA.x0'-6"LG. H.A.S.(A108) (GALV)
SP-130G
PL 1/2"x1'-0"x1'-0"(A36)
w/(8) 1/2"DIA.x0'-6"LG. H.A.S.(A108) (GALV)
ENCASE IN CONCRETE
5/16
8
YARDWORK

* FILL RECESS W/(6000 PSI) GROUT AFTER WELDS ARE INSPECTED AND APPROVED

107

NOT INCLUDED IN THIS SUBMITTAL


G2
10"
WALL
1
4
1
1/4
6
4"
1" DRAFT
1" JT.
P-601G
PL 3/8"x4"x0'-6"(A36)
w/(1) 1/2"DIA.x0'-4"LG. H.A.S.(A108)
w/(2) #4 x 2'-3" BENT (A706) (GALV)
2"
REC.
1" JT.
10"
FLAT SLAB
P-126G
L 6"x4"x3/8"x0'-8"(A36)
w/(2) 5/8"DIA.x1'-6"LG. D.B.A.(A1064)
w/(2) 1/2"DIA.x0'-4"LG. H.A.S.(A108) (GALV.)
1/8"
E-105G
PL 3/8"x4"x0'-6"(A36) (GALV)
E-005
1/8"x2"xCONT. PLASTIC STRIP
9"
8"
1" DRAFT

* FILL RECESS W/(6000 PSI) GROUT AFTER WELDS ARE INSPECTED AND APPROVED

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DRAWN BY: OOM
CHECKED BY:
DATE: 12/19/22

SUBMITTALS/REVISIONS:

A	FOR APPROVAL	01/05/23

The CONSULTING ENGINEERS GROUP Inc.
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PROJECT:
GRANITE RUN PHASE II
MIDDLETOWN TOWNSHIP, PA
SECTIONS AND DETAILS (97-108)

JERSEY PRECAST
853 NOTTINGHAM WAY
HAMILTON TOWNSHIP, NJ 08638
PH: 609-689-3700 FAX: 609-689-3797

CEG JOB NO. 22551
JOB NO. 22040
SHEET NO. E6.08