FOUNDATION SYMBOLS

[1] 4" THK. REINFORCED CONCRETE SLAB WITH 6x6–1.4x1.4 WELDED WIRE MESH SUPPORTED FOR REQUIRED CLEARANCE @ 3'–0" o.c. OVER VAPOR BARRIER ON CLEAN WELL COMPACTED FILL FREE OF ORGANIC MATTER. MAXIMUM SIZE OF ANY ROCKS WITHIN 12" BELOW THE FLOOR SLAB SHALL BE A MAXIMUM OF 3" IN DIAMETER . CONCRETE F'c=3000 PSI

[2] 4" THICK CONCRETE SLAB, VERIFY SIZE & LOCATION

[3] RECESS SLAB 1" x 10" AT GARAGE DOOR

[4] 2–#4 x 3'–0" LG. PLACED DIAGONALLY TO THE CORNER, 12" APART WITH THE FIRST BAR AT 2" FROM CORNER. BARS SHALL BE PLACED IN UPPER THIRD OF SLAB

[5] 1–#5 REINFORCEMENT BARS, GRADE 60 IN GROUT FILLED CELLS AT ALL CORNERS, NEXT TO ALL OPENINGS, AND AS FOLLOWS:
HOLLOW MASONRY UNITS OF CONCRETE, f'm = 1,500 PSI

REINF. FILLED CELL SCHEDULE MAX. SPACING		
WALL	EXTERIOR WALL	EXTERIOR WALL END ZONE (a=4'–0")
FIRST LIFT	1–#5 @ 24"o.c.	1–#5 @ 24"o.c.
SECOND LIFT	1–#5 @ 48"o.c.	1–#5 @ 48"o.c.

[6] 1–#5 x 7'–0" LONG TRANSFER BARS WITH STANDARD HOOK @ 12"o.c. (TOP) WHERE SHOWN ON PLAN.

[7] PROVIDE 60" OF DOUBLE LAYER 6X6–1.4x1.4 WELDED WIRE MESH AS SHOWN ON PLAN.

[8] HATCH: BLOCKING BETWEEN ALL PLYWOOD SEAMS & BOUNDARY (WALL/SUPPORT). CONNECT 2x4 BLOCKING w/ 8d RINGSHANK NAILS @ 6"o.c. (TYP.)

S.C.J. TYPICAL SAW CUT JOINT. SHALL BE CUT WITHIN 24 HRS. OF CONCRETE PLACEMENT. SEE DETAIL ON SHEET S–4.

(#) = INDICATES COLUMN TYPE AND START OF COLUMN AT SLAB ELEVATION OR TIE BEAM ELEVATION SHOWN. REFER TO COLUMN SCHEDULE FOR REINFORCEMENTS.

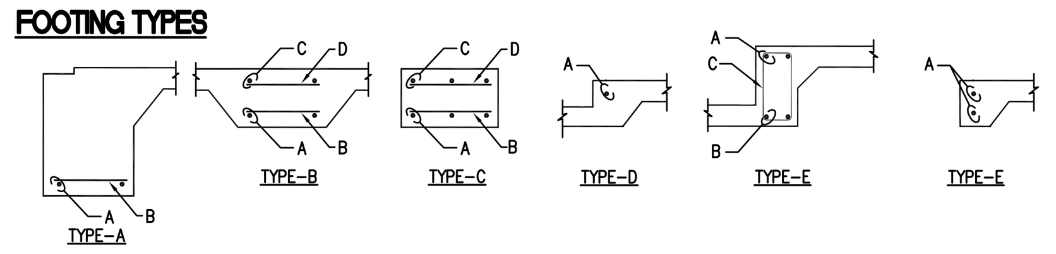
(#) = INDICATES COLUMN TYPE AND END OF COLUMN AT SLAB ELEVATION OR TIE BEAM ELEVATION SHOWN. REFER TO COLUMN SCHEDULE FOR REINFORCEMENTS.

(#) = INDICATES COLUMN TYPE AND END & START OF COLUMN AT SLAB ELEVATION OR UNDERSIDE OF TIE BEAM ELEVATION. REFER TO COLUMN SCHEDULE FOR REINFORCEMENTS & FOR TOP OF TIE BEAM ELEVATION.

FOOTING SCHEDULE

MARK	FOOTING TYPE	WIDTH	LENGTH	DEPTH	TOP / BOTTOM REINFORCEMENT A	B	C	DD	REMARKS
MF16	A	16"	CONT.	20" MIN 36" MAX	2–#5	#5 @ 12" o.c.	–	—	MONOLITHIC FOOTING – VERIFY DEPTH BTT OF FOOTING 12" MIN BLW FINISH GRADE
MF16B	B	16"	CONT.	12"	3–#5	#5 @ 12" o.c.	–	—	MONOLITHIC FOOTING
MF20	A	20"	CONT.	20" MIN 36" MAX	3–#5	#5 @ 12" o.c.	–	—	MONOLITHIC FOOTING – VERIFY DEPTH BTT OF FOOTING 12" MIN BLW FINISH GRADE
MF24	A	24"	CONT.	20" MIN 36" MAX	3–#5	#5 @ 12" o.c.	–	—	MONOLITHIC FOOTING – VERIFY DEPTH BTT OF FOOTING 12" MIN BLW FINISH GRADE
MF24B	B	24"	CONT.	12"	3–#5	#5 @ 12" o.c.	–	—	MONOLITHIC FOOTING
MF36B	B	36"	CONT.	20" MIN 36" MAX	4–#5	#5 @ 12" o.c.	–	—	MONOLITHIC FOOTING – VERIFY DEPTH BTT OF FOOTING 12" MIN BLW FINISH GRADE
MF60B	B	60"	CONT.	24"	7–#5	#5 @ 12" o.c.	7–#5	#5 @ 12" o.c.	MONOLITHIC FOOTING
WF36	C	36"	CONT.	12"	4–#5	#5 @ 12" o.c.	–	–	WALL FOOTING
IF36	C	36"	36"	12"	4–#5	4–#5	4–#5	4–#5	ISOLATED FOOTING
IF36x60	C	36"	60	12"	4–#5	6–#5	6–#5	4–#5	ISOLATED FOOTING
IF36x78	C	36"	78"	12"	4–#5	8–#5	8–#5	4–#5	ISOLATED FOOTING
IF48x60	C	48"	60	12"	5–#5	6–#5	6–#5	5–#5	ISOLATED FOOTING
TE8	D	8"	CONT.	8"	1–#5	–	–	—	THICKENED EDGE
TE10	F	8"	CONT.	10"	2–#5	–	–	—	THICKENED EDGE
GB–1	E	8"	CONT.	16"	2–#5	2–#5	#3 @ 24"o.c.	—	GRADE BEAM

FOOTING TYPES

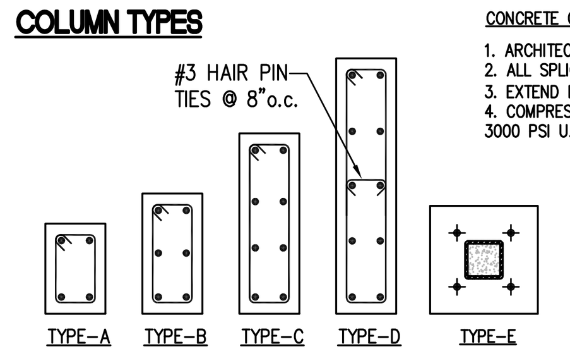


NOTE:
PROVIDE 3–30" x 30" #5 CORNER BAR @ ALL FOOTING CORNERS @ EXTERIOR EDGES. QUANTITY AND SIZE TO MAYCH FOOTING REINF.

COLUMN SCHEDULE

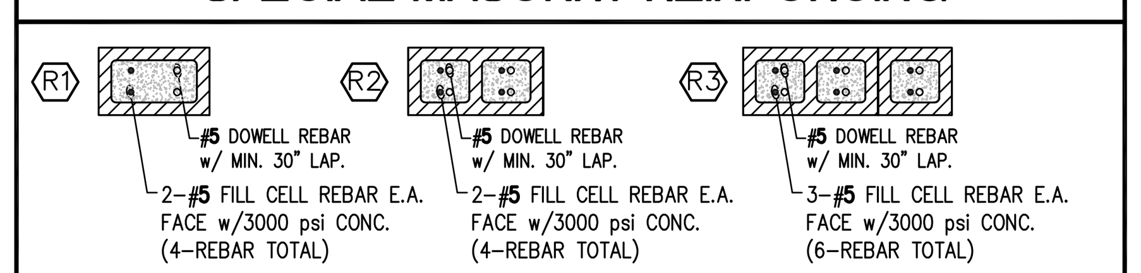
MARK	COLUMN TYPE	DIMENSIONS	REINFORCEMENT VERTICAL	HORIZONTAL	REMARKS
C1	A	8"x12"	4–#7	TIES #3 @ 8"o.c.	CONCRETE COLUMN
C2	B	8"x16"	6–#5	TIES #3 @ 8"o.c.	CONCRETE COLUMN
C3	C	8"x20"	8–#7	TIES #3 @ 8"o.c.	CONCRETE COLUMN
C4	C	8"x23"	8–#5	TIES #3 @ 8"o.c.	CONCRETE COLUMN
C5	D	8"x28"	10–#7	TIES #3 @ 8"o.c.	CONCRETE COLUMN
SC1	E	4"x 4"x ¼"	CONCRETE FILLED STEEL COLUMN. Fy = 46 ksi.		

COLUMN TYPES

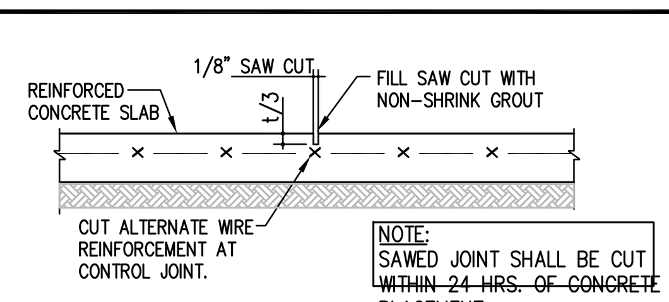


CONCRETE COLUMN NOTES:
1. ARCHITECT TO REVIEW AND APPROVE ALL COLUMN DIMENSIONS.
2. ALL SPLICES TO BE A MINIMUM OF 48 BAR DIAMETERS.
3. EXTEND DUR–O–WALL REINFORCEMENT 6" INTO POURED COLUMN @ 16"
4. COMPRESSIVE STRENGHT OF CONCRETE COLUMNS AND WALLS SHALL BE 3000 PSI U.N.O.

SPECIAL MASONRY REINFORCING

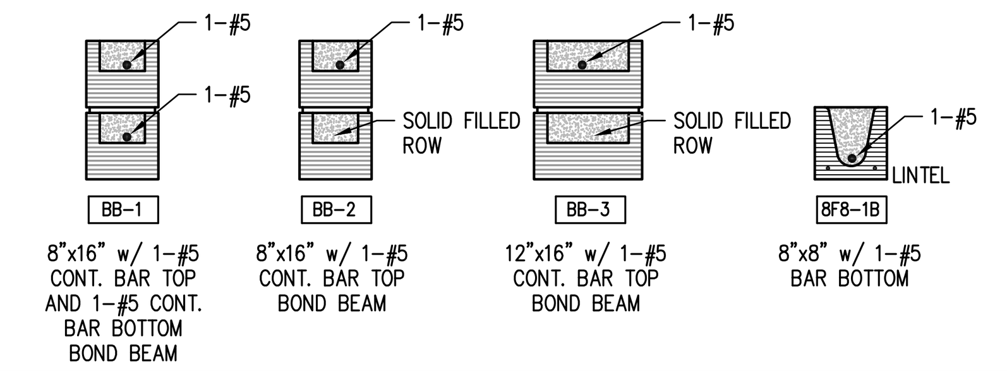


TYPICAL SAWCUT JOINT (S.C.J.)



NOTE:
SAWED JOINT SHALL BE CUT WITHIN 24 HRS. OF CONCRETE PLACEMENT.

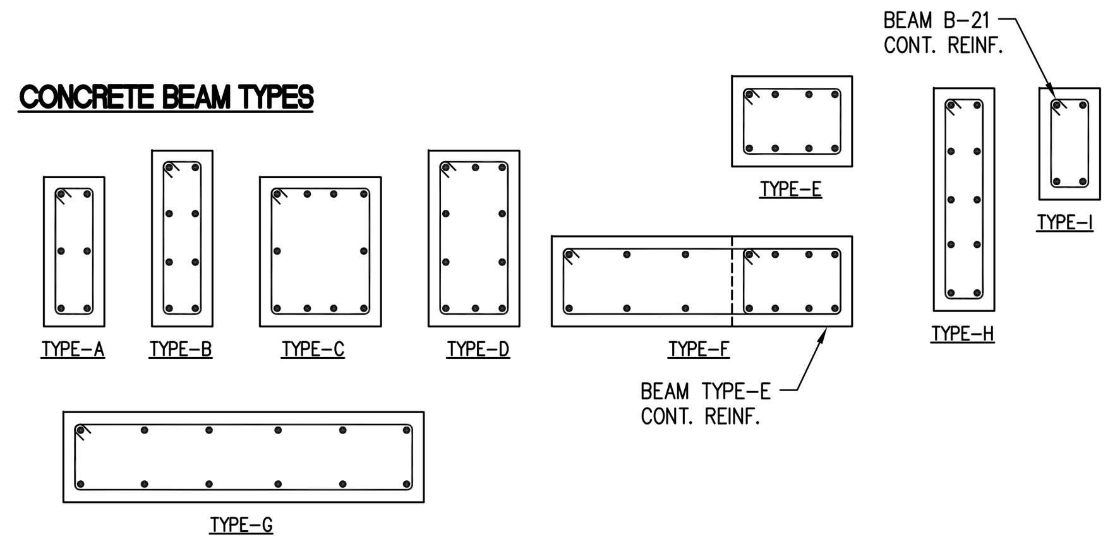
BOND BEAM SCHEDULE



CONCRETE BEAM SCHEDULE

MARK	BEAM TYPE	T.O. BEAM ELEVATION	WIDTH	HEIGHT	REINFORCEMENTS TOP	MIDDLE	BOTTOM	STIRRUPS	REMARKS
B–1	C	+12"–0"	16"	24"	4–#7	2–#5	4–#7	#3 @ 8"o.c.	CONCRETE BEAM
B–2	C	+12"–0"	16"	24"	4–#7	2–#5	4–#7	#3 @ 8"o.c.	CONCRETE BEAM
B–3	A	+12"–0"	8"	24"	2–#5	2–#5	2–#5	#3 @ 8"o.c.	CONCRETE BEAM
B–4	B	+13"–4"	8"	38"	2–#7	4–#5	2–#7	#3 @ 8"o.c.	UPTURNED CONCRETE BEAM
B–5	A	+13"–4"	8"	20"	2–#5	2–#5	2–#5	#3 @ 8"o.c.	UPTURNED CONCRETE BEAM
B–6	B	+13"–4"	8"	38"	2–#7	4–#5	2–#7	#3 @ 8"o.c.	UPTURNED CONCRETE BEAM
B–7	D	+13"–4"	12"	38"	3–#7	4–#5	3–#7	#3 @ 8"o.c.	UPTURNED CONCRETE BEAM
B–8	A	+20"–6"	8"	24"	2–#5	2–#5	2–#5	#3 @ 8"o.c.	CONCRETE BEAM
SB–1	F	+13"–0"	38"	12"	7–#5	–	7–#5	#3 @ 6"o.c.	CONCRETE SLAB BEAM
SB–1A	E	+13"–0"	16"	12"	4–#5	–	4–#5	#3 @ 6"o.c.	CONCRETE SLAB BEAM CONT. REINF. FROM SB–1
SB–2	G	+14"–0"	48"	12"	6–#5	–	6–#5	#3 @ 6"o.c.	CONCRETE SLAB BEAM
B–21	H	+14"–0"	8"	60"	2–#7	6–#5	2–#7	#3 @ 12"o.c.	CONCRETE BEAM
B–21A	I	+14"–0"	8"	12"	2–#7	–	2–#5	#3 @ 6"o.c.	CANTILEVER CONCRETE BEAM CONT. REINF. FROM B–21

CONCRETE BEAM TYPES



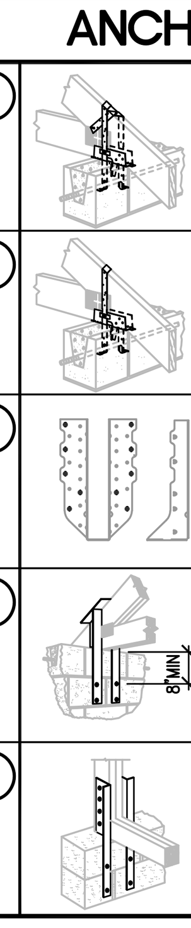
CONCRETE BEAM NOTES:
1. ARCHITECT TO REVIEW AND APPROVE ALL BEAM ELEVATIONS AND BEAM DEPTHS.
2. TIE BEAMS SHALL HAVE 4–#3 TIES @ 12"o.c. AT ALL CORNERS, EACH WAY AND @ 8"o.c. AT OPENINGS AND 48"o.c. REMAINDER.
3. PROVIDE 2–#5 x 60" CORNER BARS 30" EACH WAY @ ALL CORNERS.

ANCHOR LEGEND

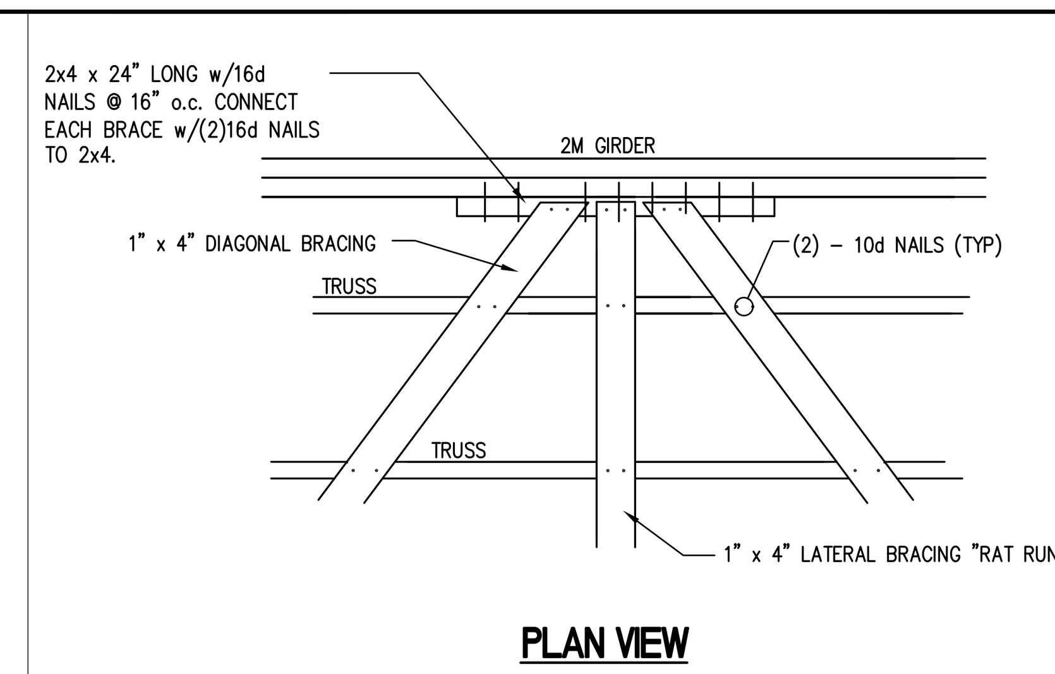
ACTUAL UPLIFT / REQUIRED ANCHOR

B/E = BOTH ENDS OF TRUSS

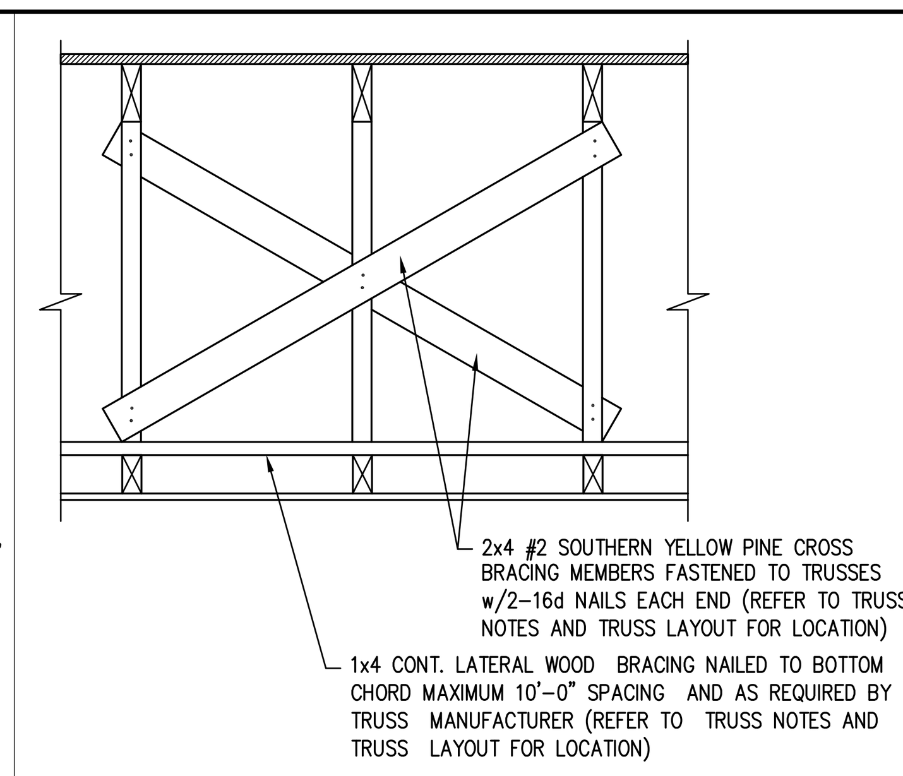
TYP = TYPICAL



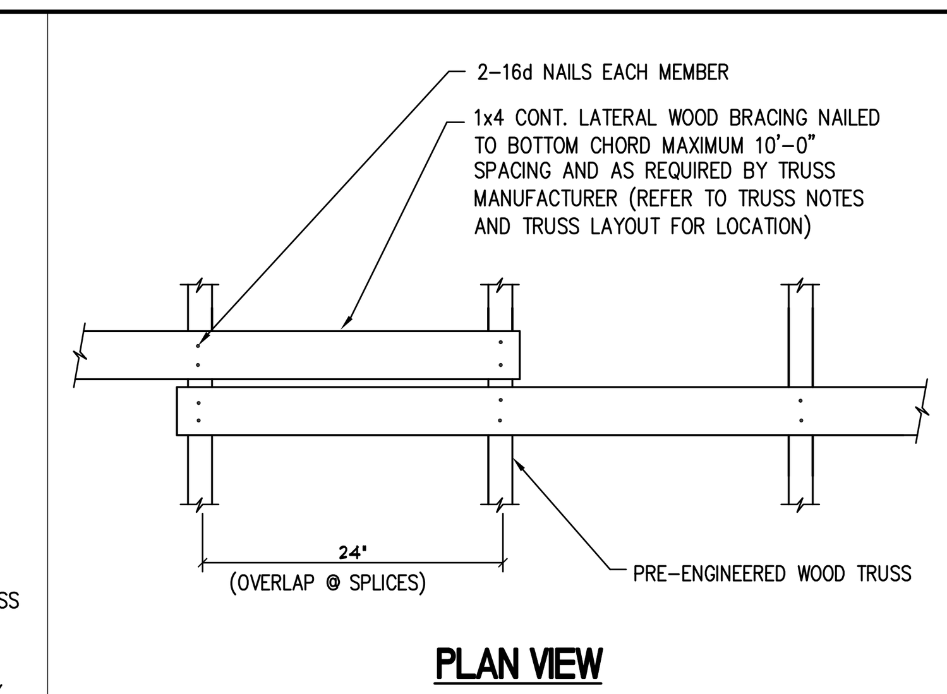
1	USP DHTA20 DOUBLE TRUSS ANCHOR w/ 10–10d x 1½" NAILS TO EACH STRAP. (FL 17680) UPLIFT CAPACITY = 2430 LBS.
2	USP HTA16R TRUSS ANCHOR (FL 17680) w/ 10–10d x 1½" NAILS TO TRUSS STRAP. UPLIFT CAPACITY = 1870 LBS.
3	USP THD210 HANGER w/ 20–10d x 1½" NAILS TO TRUSS AND 10–¼"ø TAPCONS TO WALL (1¾" MIN. EMBED.) SOLID FILLED WALL AT BUCKET. SEE SHADED HOLES FOR TAPCON LOCATION. (FL 17323) UPLIFT CAPACITY = 2250 LBS.
4	USP USC63 GIRDER TIE–DOWN w/ 4–¾"ø x 6" LG EXPANSION BOLTS TO WALL AND 8–16d NAILS TO GIRDER TRUSS. SOLID FILLED WALL AT BOLT LOCATIONS. PROVIDE WOOD FILLER AS REQUIRED. (FL 2033) UPLIFT CAPACITY = 7813 LBS.
5	SPECIAL BRACKET DETAIL w/ 4–⅝"ø THRU BOLTS TO GIRDER TRUSS AND 4–¾"ø x 6" LG EXPANSION BOLTS TO WALL (4¾" MIN. EMBED.) SEE DETAIL 7/S6. UPLIFT CAPACITY = 5216 LBS.



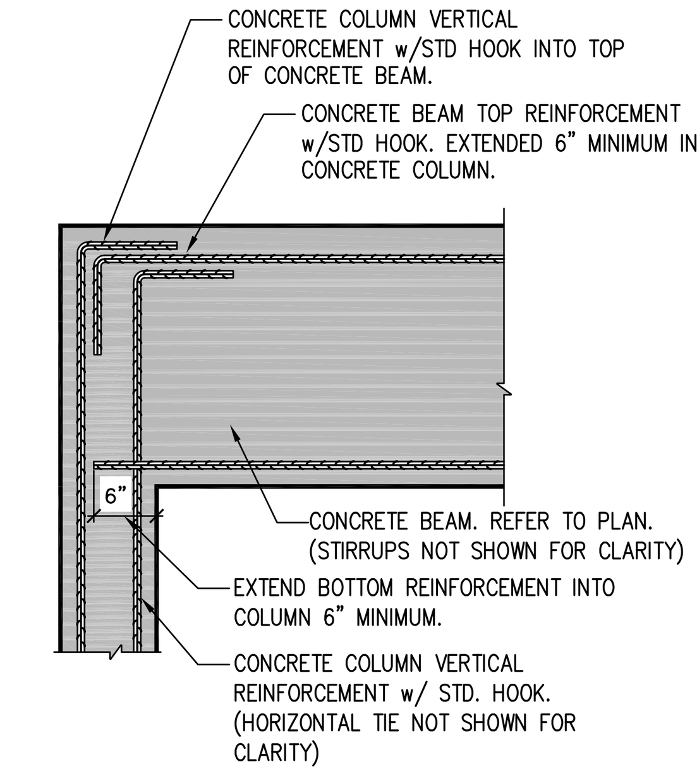
(1) TYPICAL DIAGONAL LATERAL BRACE DETAIL SCALE: N.T.S.



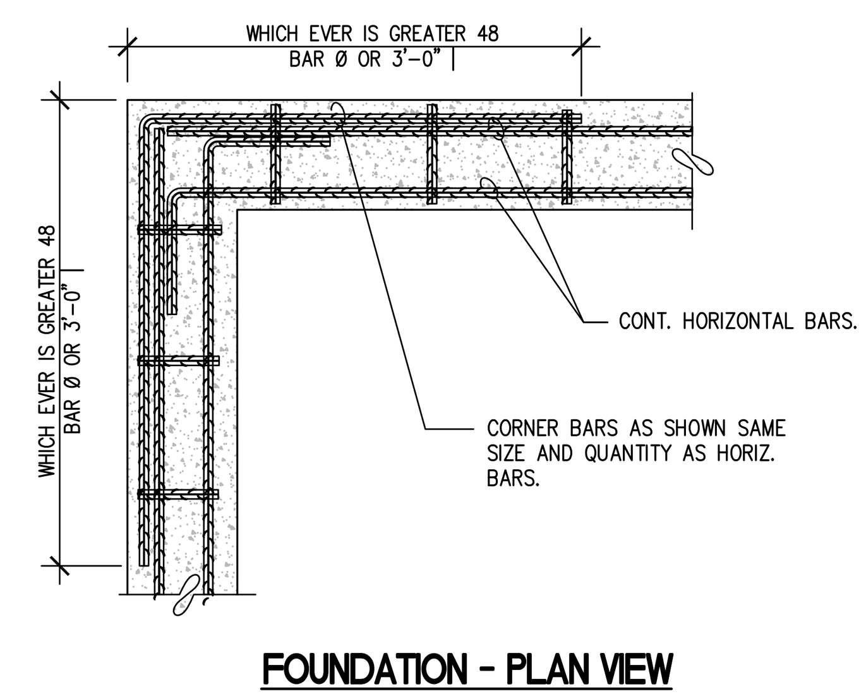
(2) TYPICAL X-BRACE DETAIL SCALE: N.T.S.

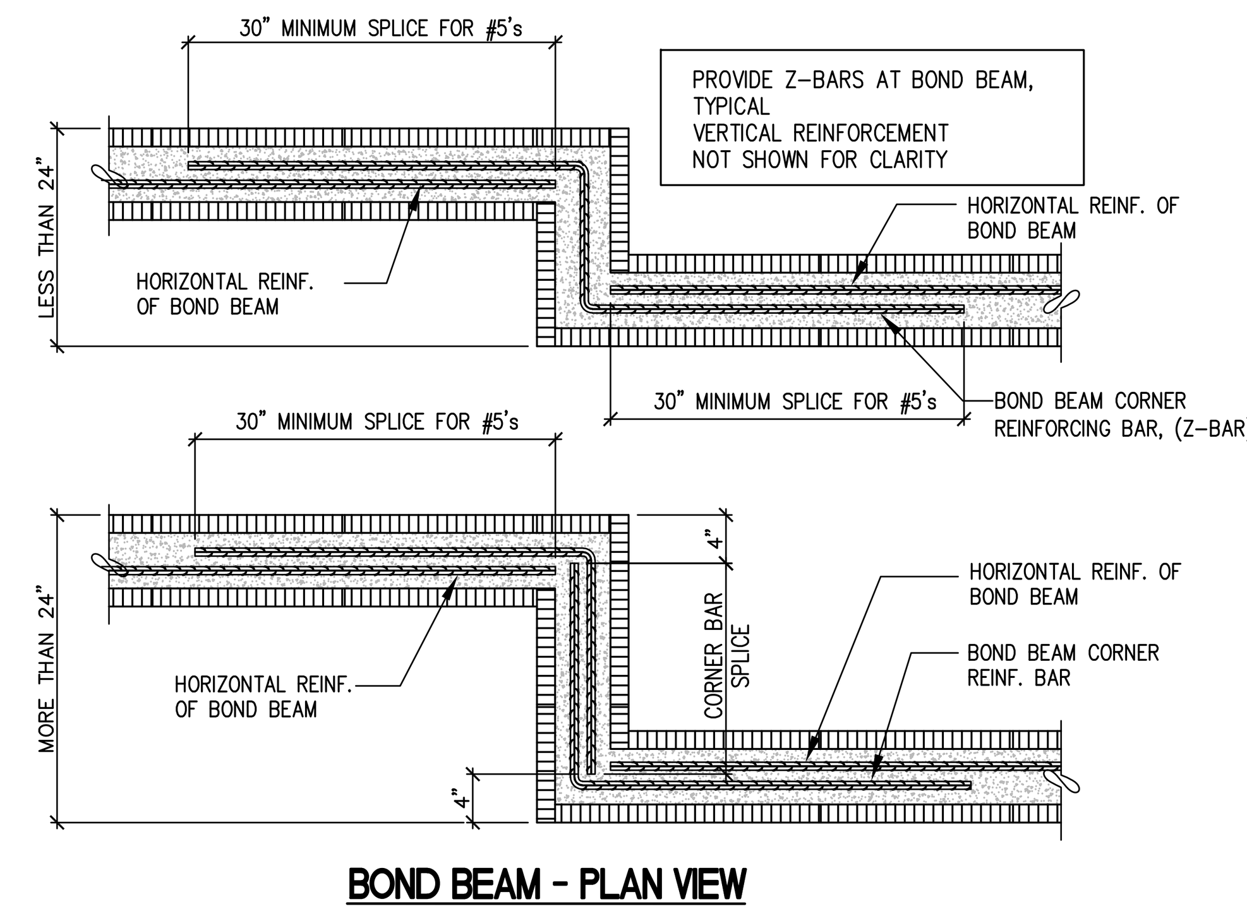


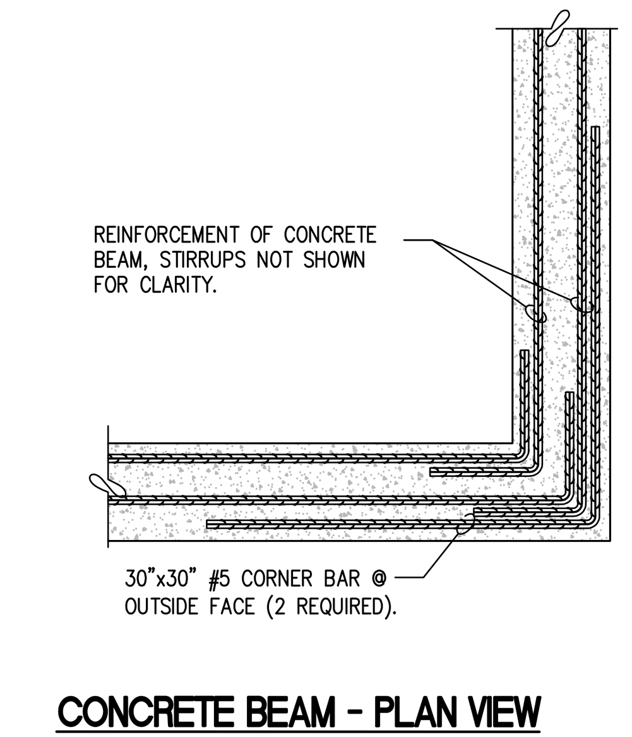
(3) TYPICAL LATERAL BRACE SPLICE SCALE: N.T.S.



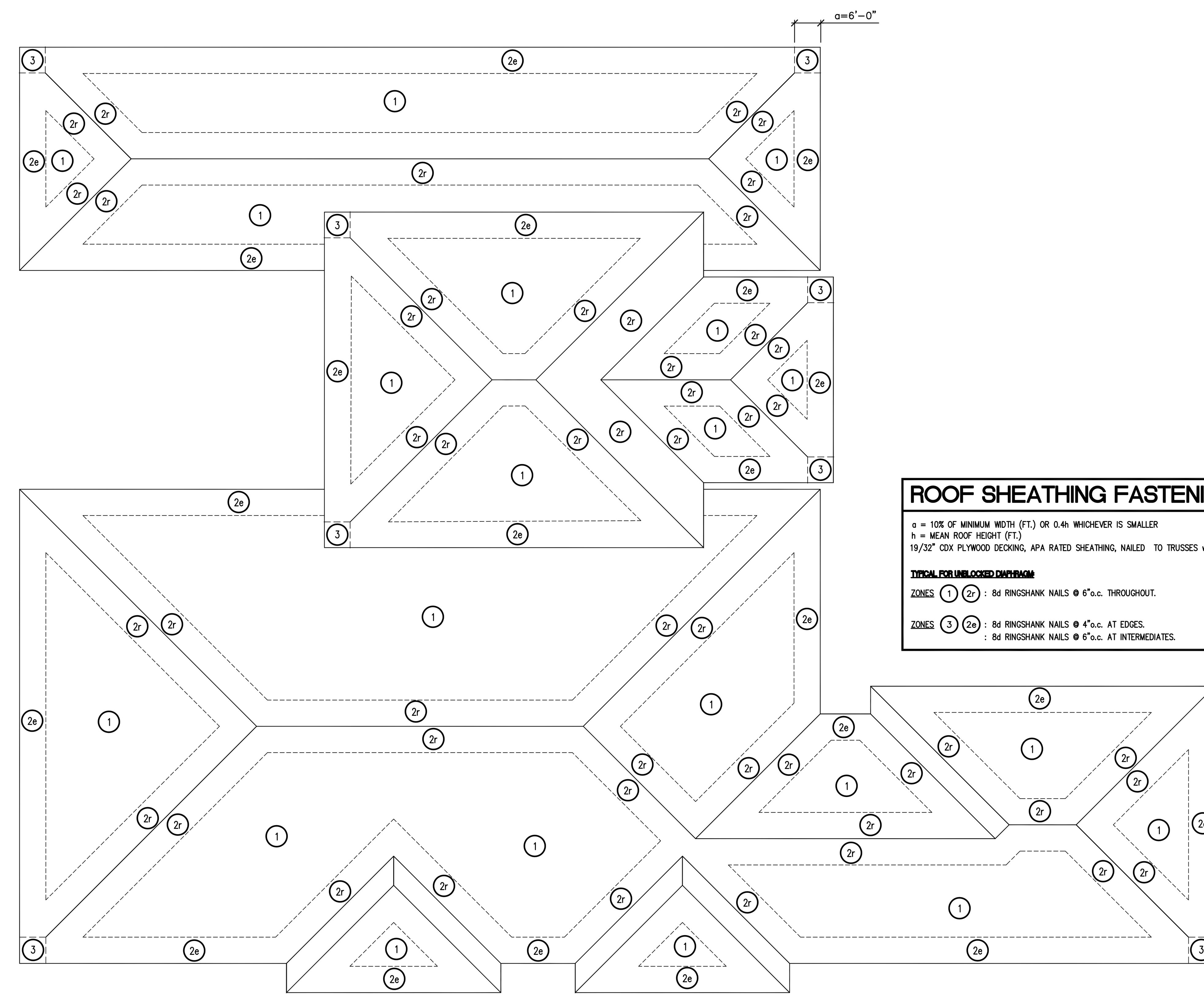
(4) TYP. BEAM BEARING DETAIL SCALE: N.T.S.







(5) TYPICAL CORNER REINFORCING DETAIL SCALE: N.T.S.



ROOF SHEATHING FASTENING DETAIL

a = 10% OF MINIMUM WIDTH (FT.) OR 0.4h WHICHEVER IS SMALLER
h = MEAN ROOF HEIGHT (FT.)
19/32" CDX PLYWOOD DECKING, APA RATED SHEATHING, NAILED TO TRUSSES w/8d RINGSHANK NAILS.

TYPICAL FOR UNBLOCKED DIAPHRAGM:

ZONES (1) (2r) : 8d RINGSHANK NAILS @ 6"o.c. THROUGHOUT.

ZONES (3) (2e) : 8d RINGSHANK NAILS @ 4"o.c. AT EDGES.
: 8d RINGSHANK NAILS @ 6"o.c. AT INTERMEDIATES.

REVISIONS:

2-STORY RESIDENCE
7725 SW 114 ST
BY: HERITAGE HOMES
PINECREST, FL

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NSI

SEAL:

Carlos Nodal

Digitally signed by Carlos Nodal
DN: c=US, st=Florida, l=Sunrise, o=Carlos Nodal, cn=Carlos Nodal, email=Nodalco@yahoo.com
Date: 2023.04.13 12:01:57 -04'00'

DATE:	04–11–2023
DRAWN BY:	C.A.
CHECKED BY:	C.N.
SCALE:	1/4"=1'–0"

SHEET

S–4