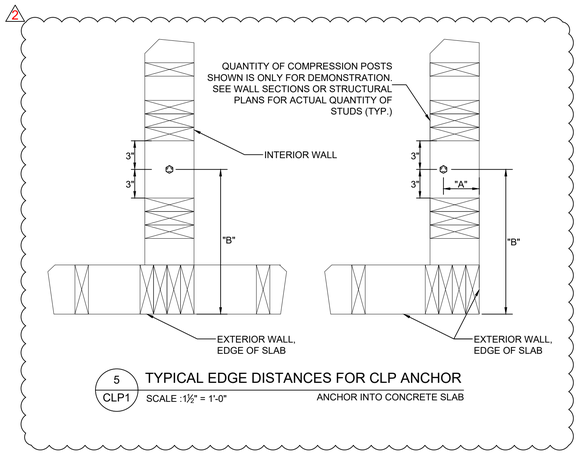
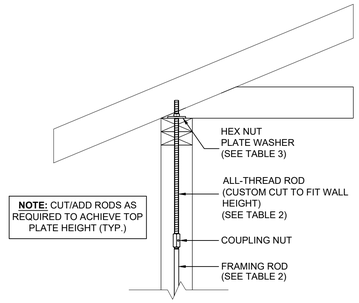
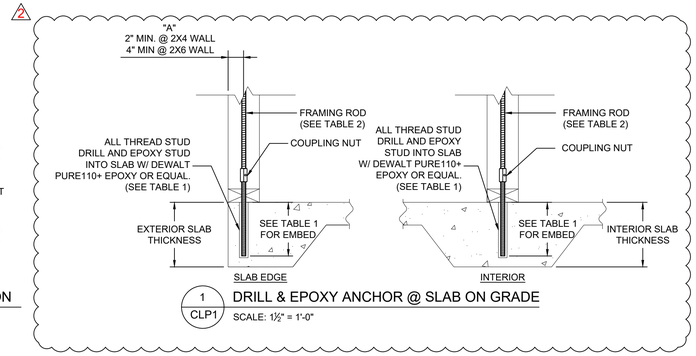


5 CLP1 TYPICAL EDGE DISTANCES FOR CLP ANCHOR
SCALE :1½" = 1'-0" ANCHOR INTO CONCRETE SLAB



4 CLP1 TOP PLATE CONNECTION
SCALE: 1½" = 1'-0"

2 CLP1 COUPLING NUT CONNECTION
SCALE: 1½" = 1'-0"



1 CLP1 DRILL & EPOXY ANCHOR @ SLAB ON GRADE
SCALE: 1½" = 1'-0"

TABLE 3 - PLATE WASHER CAPACITIES

MARK	WASHER (IN.)	THICKNESS (IN.)	ROD SIZE (Ø)	SYP $F_{c\perp}$ = 565 PSI ALLOWABLE BEARING CAPACITY (LBS) **
BPRTUD3-4B	3½ x 3	3 Ga.	3/8", 1/2"	5,975
BPRTUD5-6B	5½ x 3	½	5/8", 3/4"	9,305
BPRTUD5-6C	7½ x 3	¾	5/8", 3/4"	12,100
BPRTUD5-8	5 x 3	3 Ga.	5/8" - 1"	6,675
BPRTUD7-8A	5½ x 3	½	7/8", 1"	9,090
BPRTUD7-8B	8½ x 3	¾	7/8", 1"	13,595
BPRTUD7-8C	5½ x 5	½	7/8", 1"	15,730
W2.5	2½ x 2½	3/16	3/8"	3,960
W3	3 x 3	¼	1/2"	5,590
W43a	4 x 3	⅜	5/8"	7,160
W43b			3/4"	7,070
W53a	5 x 3¼	½	5/8"	9,690
W53b			3/4"	9,600
W53c			7/8"	9,490
W63b	6 x 3¼	⅝	3/4"	10,720
W63c			7/8"	10,630
W63d			1"	10,520
W63e			1-1/8"	10,390
W63f			1-1/4"	10,320
W73c	7 x 3¼	¾	7/8"	12,460
W73d			1"	12,350
W73e			1-1/8"	12,230
W73f			1-1/4"	12,090
W73g			1-1/2"	11,770
W74 *	7 x 4½	⅞	1-1/2"+	16,340
W83	8 x 3¼	1	VARIES	14,300

* NOTCH STUDS WHERE PLATE LENGTH EXCEEDS 6" CAVITY SPACE. NOTCHED STUDS MUST BE FULLY BEARING ON PLATE.
** ALLOWABLE BEARING CAPACITIES ARE BASED ON SECTION 3.10 OF THE 2015 NDS AND SHALL BE GREATER THAN THE INCREMENTAL LOADING BETWEEN LEVELS.

TABLE 1 - ALL THREAD ANCHOR CAPACITIES**

WALL SECTION	EDGE OF SLAB CLP DETAIL	EDGE OF SLAB MARK	EMBED DEPTH (IN)	MIN. EDGE DIST. (IN) "A"	MIN. EDGE DIST. (IN) "B"	ASD TENSILE CAPACITY (LBS)	INTERIOR CLP DETAIL	INTERIOR MARK	EMBED DEPTH (IN)	MIN. EDGE DIST. (IN) "B"	ASD TENSILE CAPACITY (LBS)
	EDGE OF SLAB - SLAB ON GRADE - 3000 PSI						INTERIOR - SLAB ON GRADE - 3000 PSI				
*UPLIFT	1/CLP1	E12	6 1/2	2	11 1/2	3215	1/CLP1	E12	4	11 1/2	3585
*SW	1/CLP1	E58	6 1/2	2	11 1/2	3405	1/CLP1	E58	4	11 1/2	3585

TABLE 2 - THREADED ROD CAPACITIES

ROD SIZE (Ø)	** LOW CARBON (F_u = 70,000 PSI) MARK	** LOW CARBON (F_u = 70,000 PSI) ALLOWABLE TENSILE CAPACITY (LBS) *	*** HIGH STRENGTH (F_u = 125,000 PSI) MARK	*** HIGH STRENGTH (F_u = 125,000 PSI) ALLOWABLE TENSILE CAPACITY (LBS) *
3/8"	R38	2,900	R38HS	-
1/2"	R12	5,150	R12HS	-
5/8"	R58	8,050	R58HS	14,380
3/4"	R34	11,595	R34HS	20,710
7/8"	R78	15,785	R78HS	28,185
1"	R1	20,615	R1HS	36,815
1-1/8"	R98	26,090	R98HS	46,595
1-1/4"	R108	32,210	R108HS	57,525
1-1/2"	R128	46,385	R128HS	82,835
1-3/4"	R148	63,140	R148HS	112,750

* ALLOWABLE TENSILE CAPACITIES ARE BASED ON AISC 15TH EDITION
** MEETS PHYSICAL CHARACTERISTICS OF ASTM A307
*** MEETS PHYSICAL CHARACTERISTICS OF ASTM A193 B7

NOTES:
1. FOR SLAB-ON-GRADE FOUNDATIONS A 3" MIN. CONCRETE COVER MUST BE MAINTAINED BELOW THE ANCHOR EMBEDMENT DEPTH.
2. CAPACITY OF HOLDOWN GOVERNED BY LESSER VALUE OF EPOXY ANCHOR AND STEEL ROD, SEE TABLE 2.
3. THE ANCHORS INDICATED MUST BE INSTALLED AND INSPECTED AS REQUIRED BY ESR-3298.
4. CONCRETE STRENGTH AND PARAMETERS ARE ONLY SPECIFIED AS MINIMUM REQUIREMENTS TO ACHIEVE ANCHOR CAPACITIES. SLAB AND/OR FOUNDATION DESIGN FOR OVERALL STRUCTURE BY OTHERS.
5. WHERE DRILL & EPOXY ANCHORS ARE USED AT SLAB EDGES, MAXIMUM TORQUE IS REDUCED BY A FACTOR OF 0.45. SEE DEWALT ANCHORING AND FASTENING SYSTEMS TECHNICAL GUIDE.

* MINIMUM DISTANCE FROM EDGE OF SLAB TO ANCHOR CENTERLINE TO BE CONSIDERED "INTERIOR OF SLAB".
** TABLE CAPACITIES ARE BASED ACI 318 ANCHOR STRENGTH CALCULATIONS.

TYPE OF ANCHOR
C = CAST-IN-PLACE ON GRADE
P = CAST-IN-PLACE ON PODIUM SLAB (W/SMACK CHAIR)
E = DEWALT PURE 110+ EPOXY ANCHOR

A### - HVY
HVY INDICATES HEAVY HEX NUT. USE A STANDARD NUT IF NOTHING IS SHOWN.
DIAMETER OF ANCHOR (EX. 58 = ⅝"Ø ANCHOR)

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Fuquay Varina, NC

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2	11/13/23	CBM

CLP SALES: John Ledbetter
CLP P.M.: John Martin
E.O.R.: R.L. Plowfield & Assoc.

PROJ. #: 23011
DATE: 03/08/23
DWG. BY: CBM CHK'D. BY: KNA

SHEET TITLE
TYPICAL DETAILS

SHEET NO.
CLP1

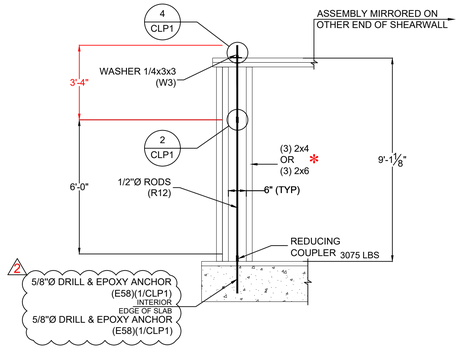
DISCLAIMER:

1. THE ADJACENT SEAL APPLIES SPECIFICALLY TO THE DESIGN OF PARTS DELIVERED BY CLP SYSTEMS FOR THIS PROJECT AND EXCLUDES RESPONSIBILITY FOR ANY OTHER ASPECTS OF THE DESIGN INCLUDING VERIFICATION OF OTHER STRUCTURAL COMPONENTS AS REQUIRED TO ACCOMMODATE THE CLP SYSTEM COMPONENTS.

2. THE UNDERSIGNED PROFESSIONAL ENGINEER IS NOT THE ENGINEER OF RECORD (EOR) FOR THE PROJECT. THE EOR IS RESPONSIBLE FOR VERIFICATION THAT CLP SYSTEMS HAS CORRECTLY INTERPRETED THE PROJECT DESIGN REQUIREMENTS AS SHOWN IN THIS SUBMITTAL.

✻ THE QUANTITY SHOWN REPRESENTS THE TOTAL AMOUNT OF STUDS/POSTS REQUIRED PER CLP RECOMMENDATION. PLACE HALF ON EACH SIDE OF ROD. IF THE QUANTITY IS AN ODD NUMBER, PLACE ADD'L AT THE SIDE AT THE END OF THE WALL (TYP. @ ALL FLOORS). STUD PACKS SHOWN ARE DESIGNED FOR A LOAD EQUAL TO TENSION. EOR TO VERIFY IF STUD QUANTITIES PER STRUCTURAL PLANS ARE TO BE USED IN LIEU OF CLP'S DESIGN.

NOTE: CUT/ADD RODS AS NEEDED TO ACHIEVE TOP PLATE HEIGHT (TYP.)



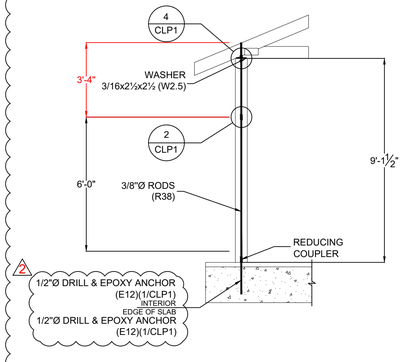
DENOTED AS ● ON THE LAYOUT PLAN

1/2"Ø 1-STORY SHEARWALL ASSEMBLY

SW

1

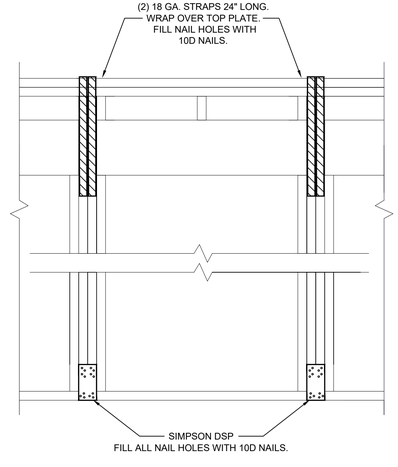
NOTE: THE ROD SYSTEM FOR WIND UPLIFT WAS DESIGNED WITH UNAPPROVED ROOF TRUSS PROFILES. CLP WILL NEED THE APPROVED ROOF TRUSS PROFILES BEFORE WE CAN ISSUE A FOR CONSTRUCTION SET.



DENOTED AS ★ ON THE LAYOUT PLAN

3/8" Ø 1-STORY FULL HEIGHT UPLIFT ASSEMBLY

TYP.



1 CLP2 DETAIL

SCALE : ½" = 1'-0"

NOTE:

1.THIS DETAIL ONLY OCCURS AT LOCATIONS SPECIFICALLY CALLED FOR ON THE PLANS OR WHERE THE FRAMING DOES NOT ALLOW AN UPLIFT ROD ASSEMBLY TO BE INSTALLED.

2. THIS DETAIL ONLY APPLIES TO SINGLE LOCATIONS SUPPORTING TYPICAL TRUSSES. NOT TO BE USED TO REPLACE MULTIPLE UPLIFT RODS ALONG A WALL. NOTIFY CLP SYSTEMS IF UPLIFT ROD SUPPORTING A GIRDER TRUSS OR BEAM CANNOT BE INSTALLED.

3.FRAMER/INSTALLER SHOULD NOTIFY CLP SYSTEMS OF QUANTITY OF LOCATIONS WHERE THIS DETAIL OCCURS AS SOON AS POSSIBLE SO MATERIAL CAN BE SHIPPED TO THE JOB-SITE.

CLP SYSTEMS
CONTINUOUS LOAD PATH

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CLP SYSTEMS

Senters Assisted Living
Fuquay Varina, NC

REVISIONS

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2	11/13/23	CBM

CLP SALES John Ledbetter
CLP P.M. John Martin
E.O.R. R.L. Plowfield & Assoc.

PROJ. # 23011
DATE: 03/08/23
DWG. BY: CBM CHK'D. BY: KNA

SHEET TITLE

WALL SECTIONS

SHEET NO.

CLP2

DISCLAIMER:

1. THE ADJACENT SEAL APPLIES SPECIFICALLY TO THE DESIGN OF PARTS DELIVERED BY CLP SYSTEMS FOR THIS PROJECT AND EXCLUDES RESPONSIBILITY FOR ANY OTHER ASPECTS OF THE DESIGN INCLUDING VERIFICATION OF OTHER STRUCTURAL COMPONENTS AS REQUIRED TO ACCOMMODATE THE CLP SYSTEM COMPONENTS.

2. THE UNDERSIGNED PROFESSIONAL ENGINEER IS NOT THE ENGINEER OF RECORD (EOR) FOR THE PROJECT. THE EOR IS RESPONSIBLE FOR VERIFICATION THAT CLP SYSTEMS HAS CORRECTLY INTERPRETED THE PROJECT DESIGN REQUIREMENTS AS SHOWN IN THIS SUBMITTAL.

DESIGN CRITERIA:

2

1. ASCE 7-10 - 125 MPH.

2. FOUNDATION CONCRETE SHALL DEVELOP A MINIMUM OF 3000 PSI COMPRESSIVE STRENGTH AT 28 DAYS.

3. WOOD SPECIES: POSTS - SOUTHERN YELLOW PINE #2. PLATES - SOUTHERN YELLOW PINE #2.

4. THE CLP SYSTEMS DESIGN AND LAYOUTS ARE BASED ON TESTING WITH THE COMPLETE CLP SYSTEMS AND ARE VALID ONLY WITH THE USE OF GENUINE CLP SYSTEMS COMPONENTS.

5. AT TOP PLATE ANCHORS, SECURE A TOP PLATE WASHER TIGHTLY WITH THE SUPPLIED NUT.

6. USE SQUARE WASHERS UNLESS OTHERWISE NOTED ON LAYOUT.

7. THE LAYOUT PLAN IS PROVIDED AS A GUIDE TO THE GENERAL LOCATION OF THE CLP SYSTEMS ANCHORS. FIELD CONDITIONS AND FRAMING REQUIREMENTS WILL GOVERN THE ACTUAL LOCATIONS.

8. CLP SYSTEMS WILL NOT BE RESPONSIBLE FOR ANCHORS PLACED IN A LOCATION WHICH DIMINISHES THEIR USEFULNESS.

9. TO ACCOMMODATE DIMENSIONAL CHANGES IN WALL HEIGHTS, NUTS SHALL BE RE-TIGHTENED AT ALL RESTRAINT POINTS AFTER ALL FRAMING AND SHEATHING MATERIALS HAVE BEEN LOADED ONTO THE BUILDING AND JUST BEFORE THE CEILING AT THE WALL TOP PLATE IS INSTALLED.

JOB NOTES:

2

1. THESE SHOP DRAWINGS WERE DESIGNED USING STRUCTURAL PLANS DATED 4/11/2023 AND LABELED REVISION 4.

2. THIS PLAN IS PROVIDED FOR GENERAL LAYOUT ONLY AND MUST BE VERIFIED BY THE FRAMING CONTRACTOR FOR COMPLIANCE WITH THE ACTUAL FRAMING CONFIGURATION. THE GENERAL CONTRACTOR, THE ENGINEER OF RECORD, AND THE ARCHITECT OF RECORD SHALL REVIEW THIS SUBMITTAL FOR COMPLIANCE.

3. CLP SYSTEMS IS PROVIDING SHEARWALL HOLD DOWN ROD ASSEMBLIES TO REPLACE THE HDU2 SHEARWALL HOLD DOWNS SHOWN IN THE WOOD STUD SHEARWALL SCHEDULE ON S111 AND PER THE SHEARWALL LOCATIONS SHOWN ON THE FOUNDATION PLANS ON S200.

2

4. CLP SYSTEMS IS ALSO PROVIDING UPLIFT ROD ASSEMBLIES SPACED AT 5'-0" ON CENTER PLUS PLACED AT OPENINGS, CORNERS, AND GIRDER TRUSSES AT THE ROOF TRUSS BEARING WALLS TO ACCOMMODATE THE DESIGN FOR 125 MPH WINDLOAD STATED IN NOTE 2 OF THE WOOD STUD SHEARWALL SCHEDULE (4/S111).

LEGEND:

Shearwall Holdown

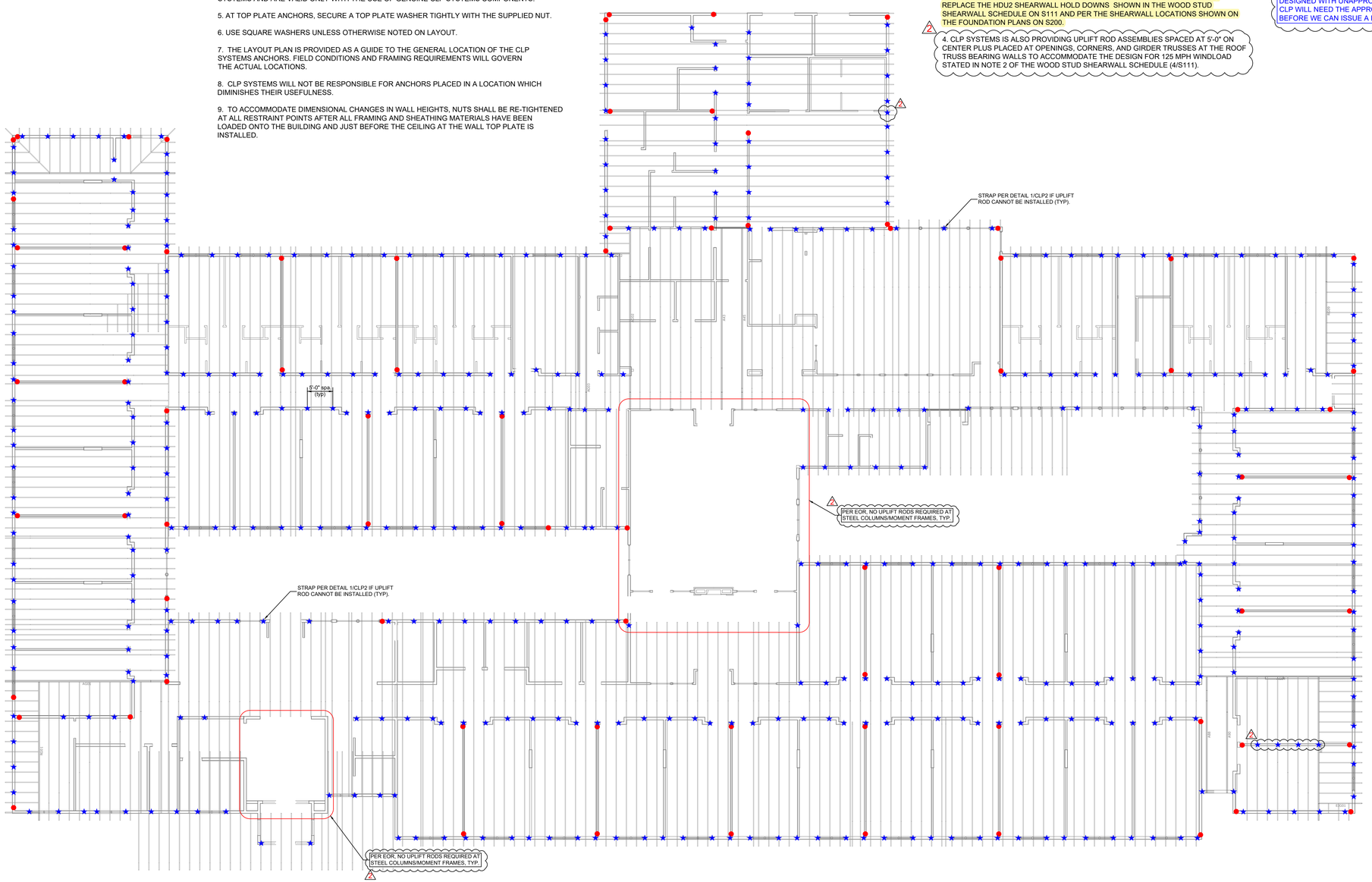
● 1-STORY SHEARWALL ASSEMBLY (SW)

1

Wind Uplift

★ 1-STORY FULL HEIGHT UPLIFT ASSEMBLY (TYP.)

NOTE: THE ROD SYSTEM FOR WIND UPLIFT WAS DESIGNED WITH UNAPPROVED ROOF TRUSS PROFILES. CLP WILL NEED THE APPROVED ROOF TRUSS PROFILES BEFORE WE CAN ISSUE A FOR CONSTRUCTION SET.



CLP SYSTEMS LAYOUT PLAN

SCALE: 3/32" = 1'-0" BUILDING QTY: 1

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CLP SALES John Ledbetter
CLP PM John Martin
E.O.R. R.L. Plowfield & Assoc.

PROJ. # 23011
DATE: 03/08/23
DWG. BY: CBM CHK'D. BY: KNA

SHEET TITLE
CLP LAYOUT PLAN

SHEET NO.
CLP3