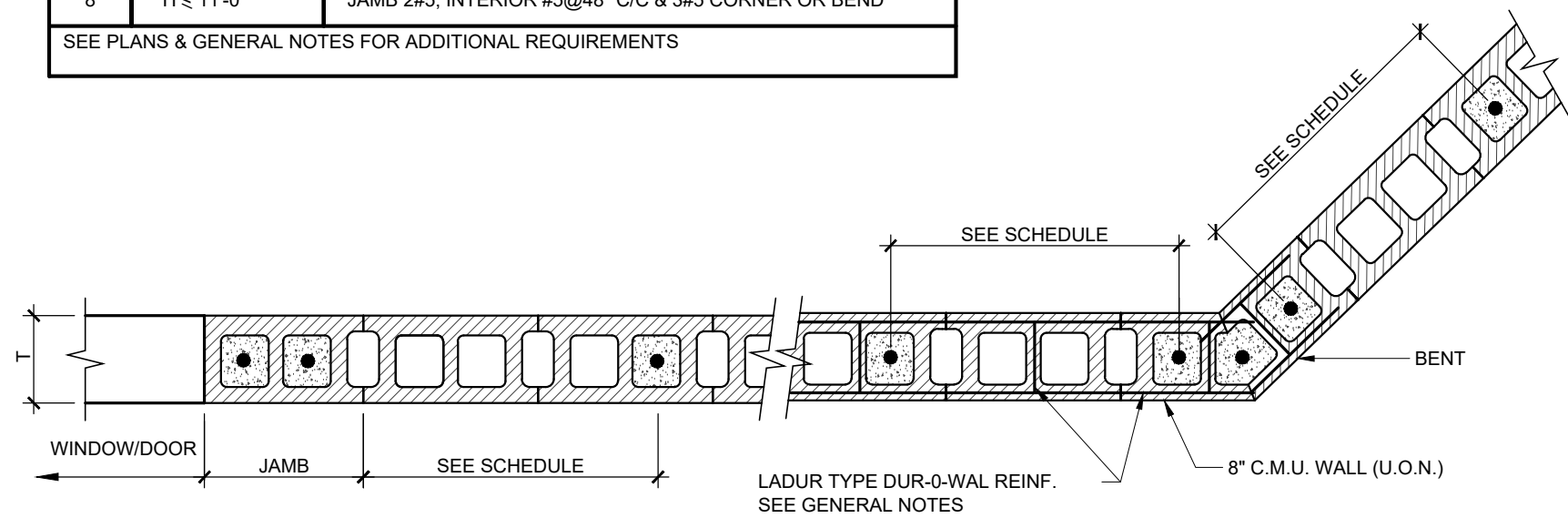
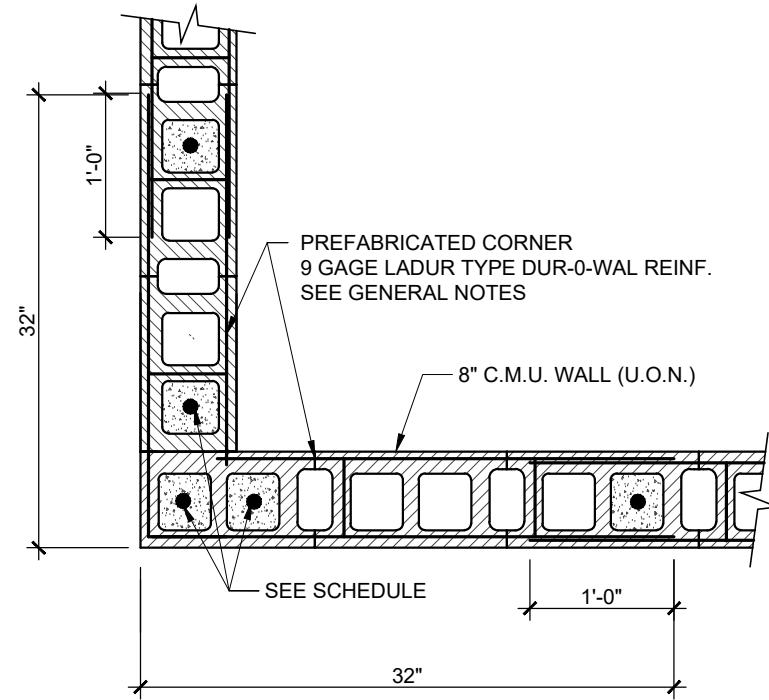


BEARING WALL SCHEDULE

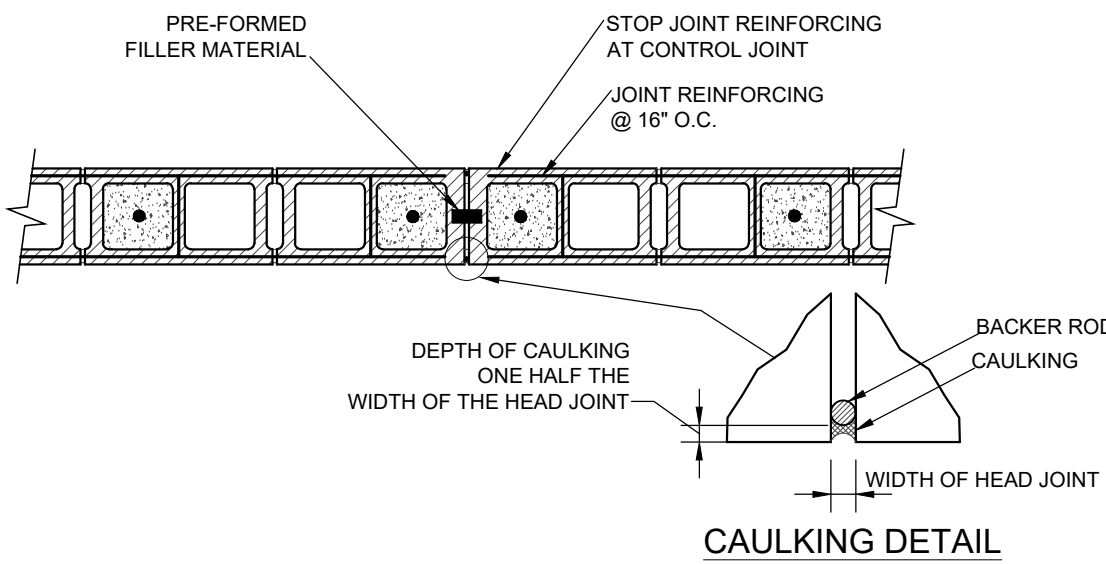
T	CLEAR HEIGHT	VERT. REINF. SPACING
8"	H ≤ 11'-0"	JAMB 2#5, INTERIOR #5@48" C/C & 3#5 CORNER OR BEND
SEE PLANS & GENERAL NOTES FOR ADDITIONAL REQUIREMENTS		



TYPICAL EXTERIOR REINFORCED MASONRY WALL DETAILS
(UNLESS OTHERWISE NOTED IN PLANS)
NOT TO SCALE



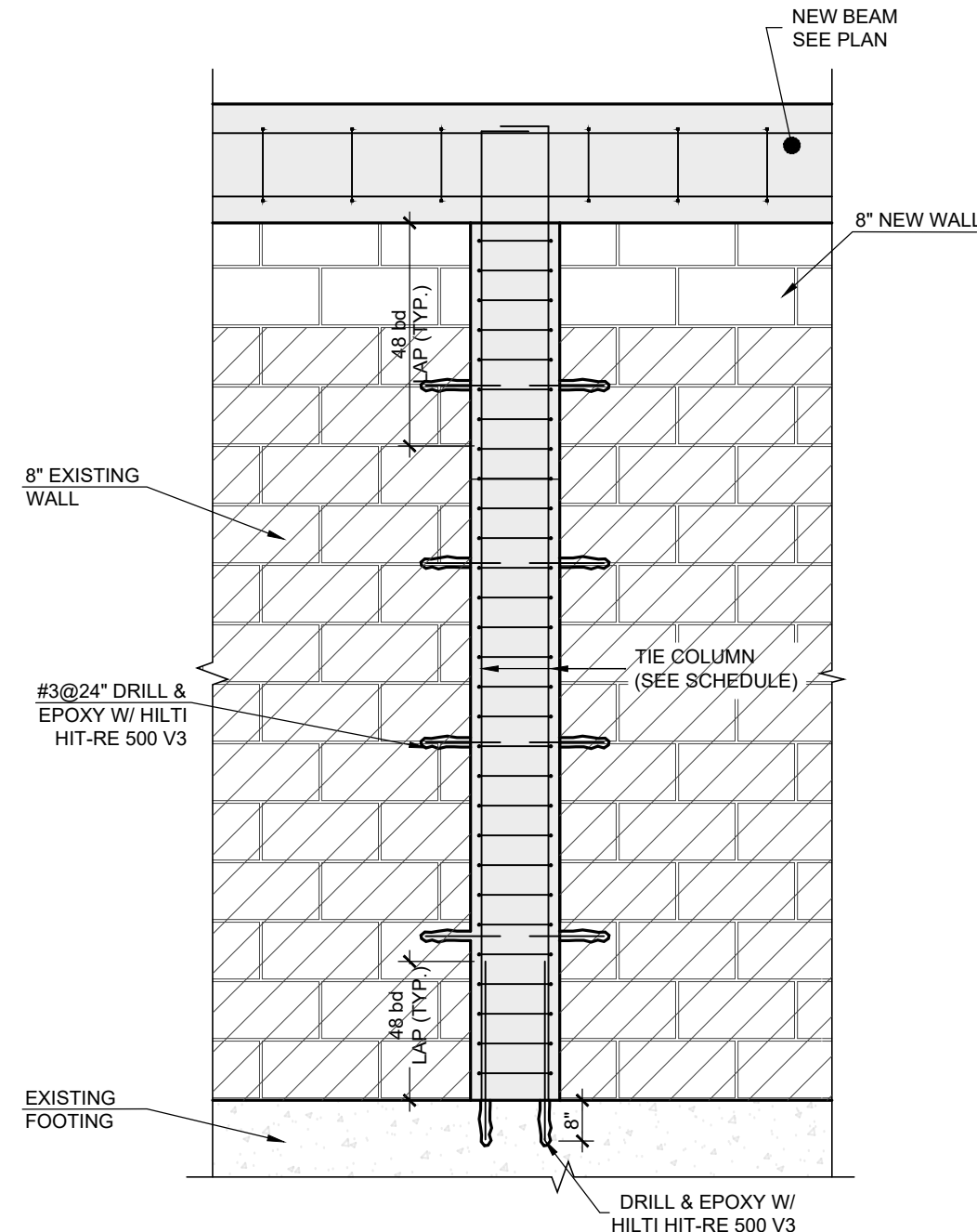
MASONRY f' M = 1500 psi



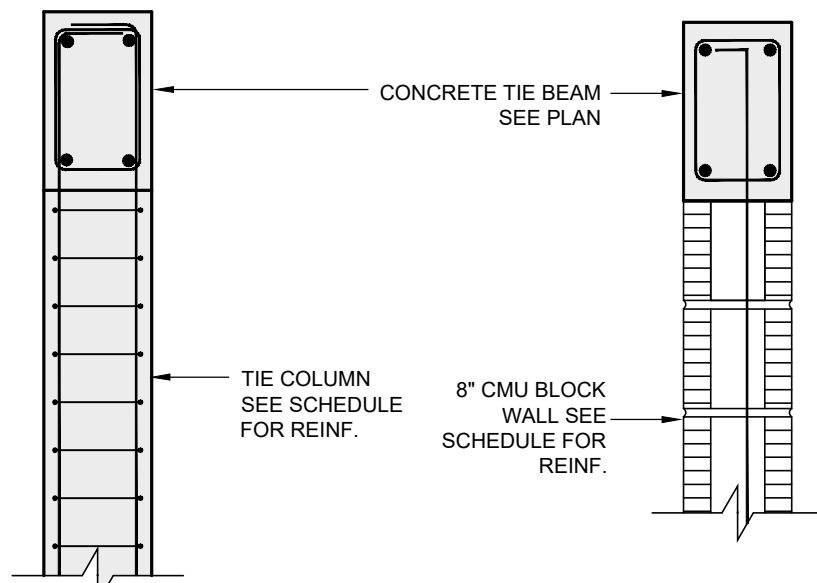
CAULKING DETAIL

TYPICAL CORNER CONDITION
N.T.S.

TYPICAL CMU CONTROL JOINT
NOT TO SCALE

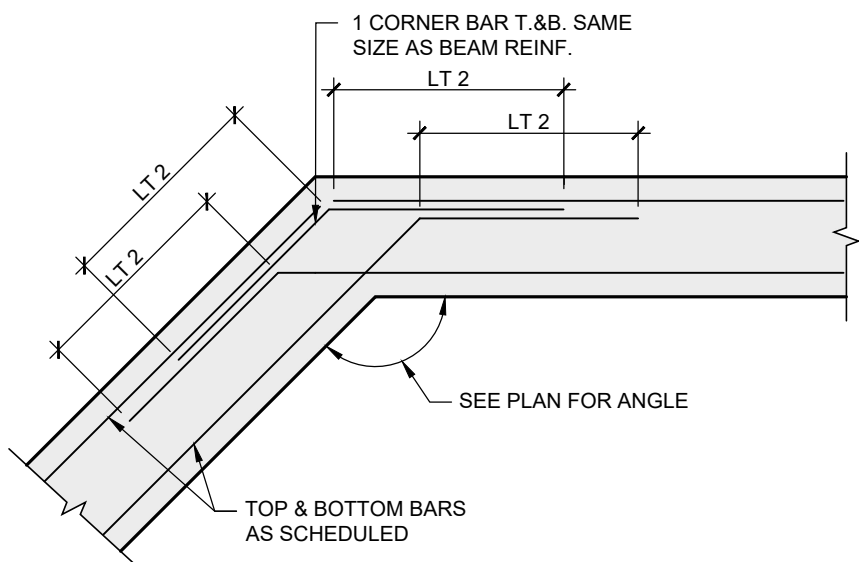


TYPICAL EXISTING WALL/TIE BEAM AND
EXTENDED WALL CONNECTION

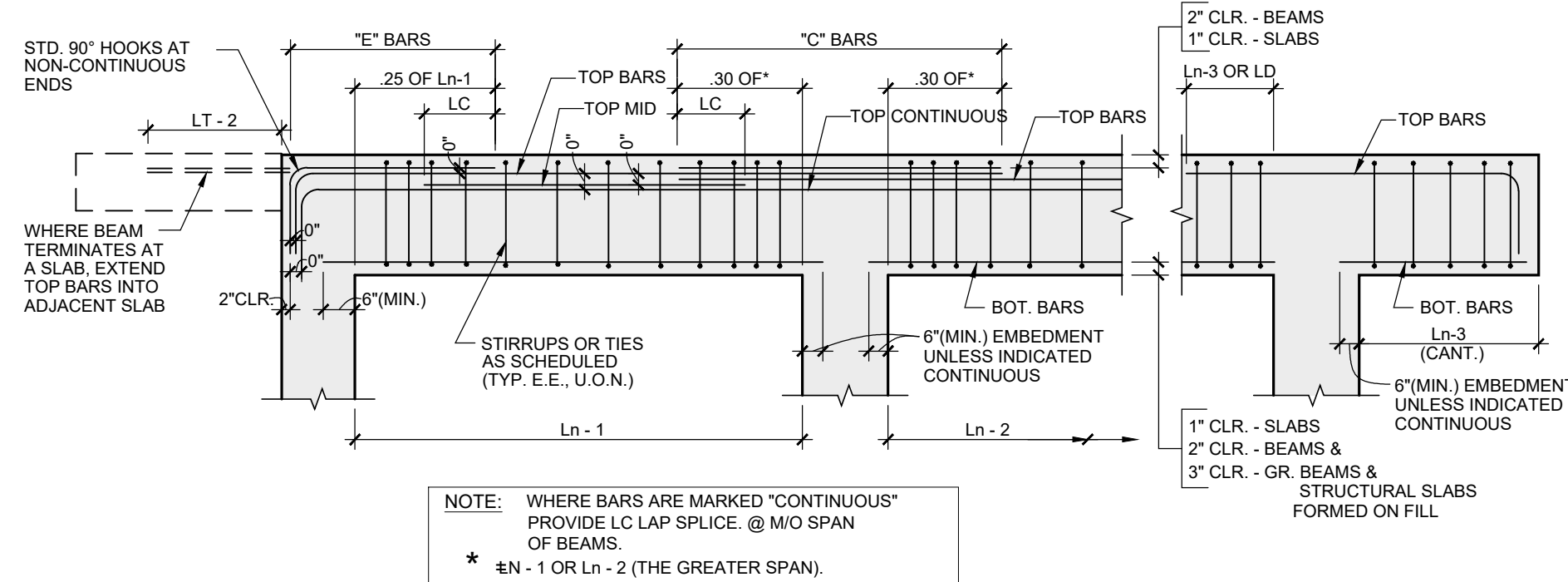


TYPICAL TIE COLUMN -
TIE BEAM CONNECTION

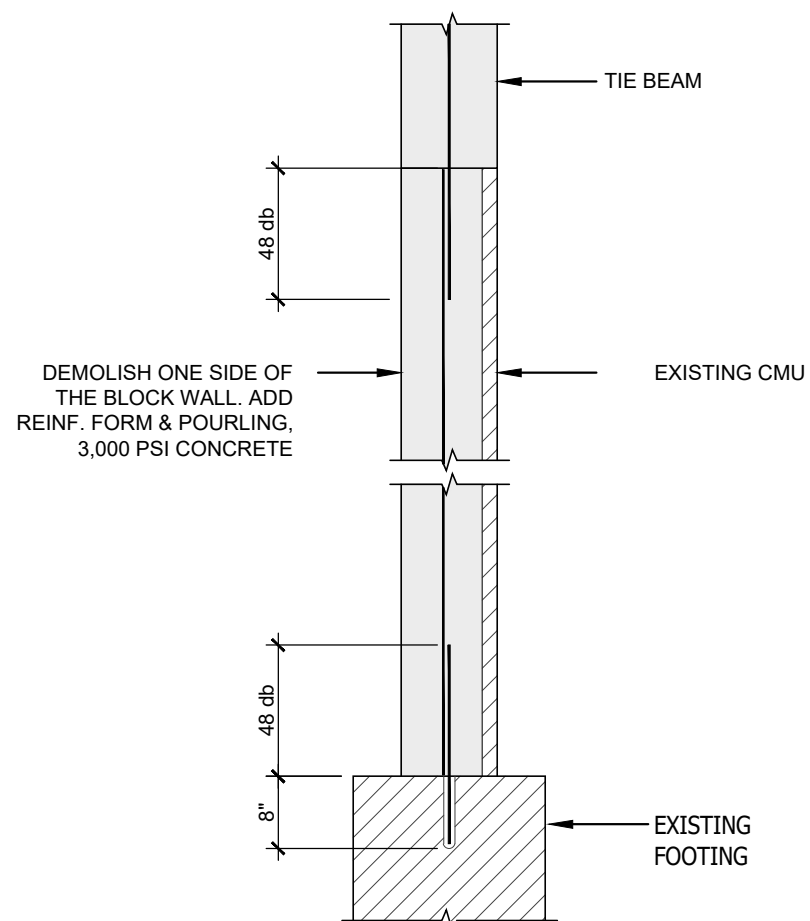
TYPICAL CMU WALL -
TIE BEAM CONNECTION



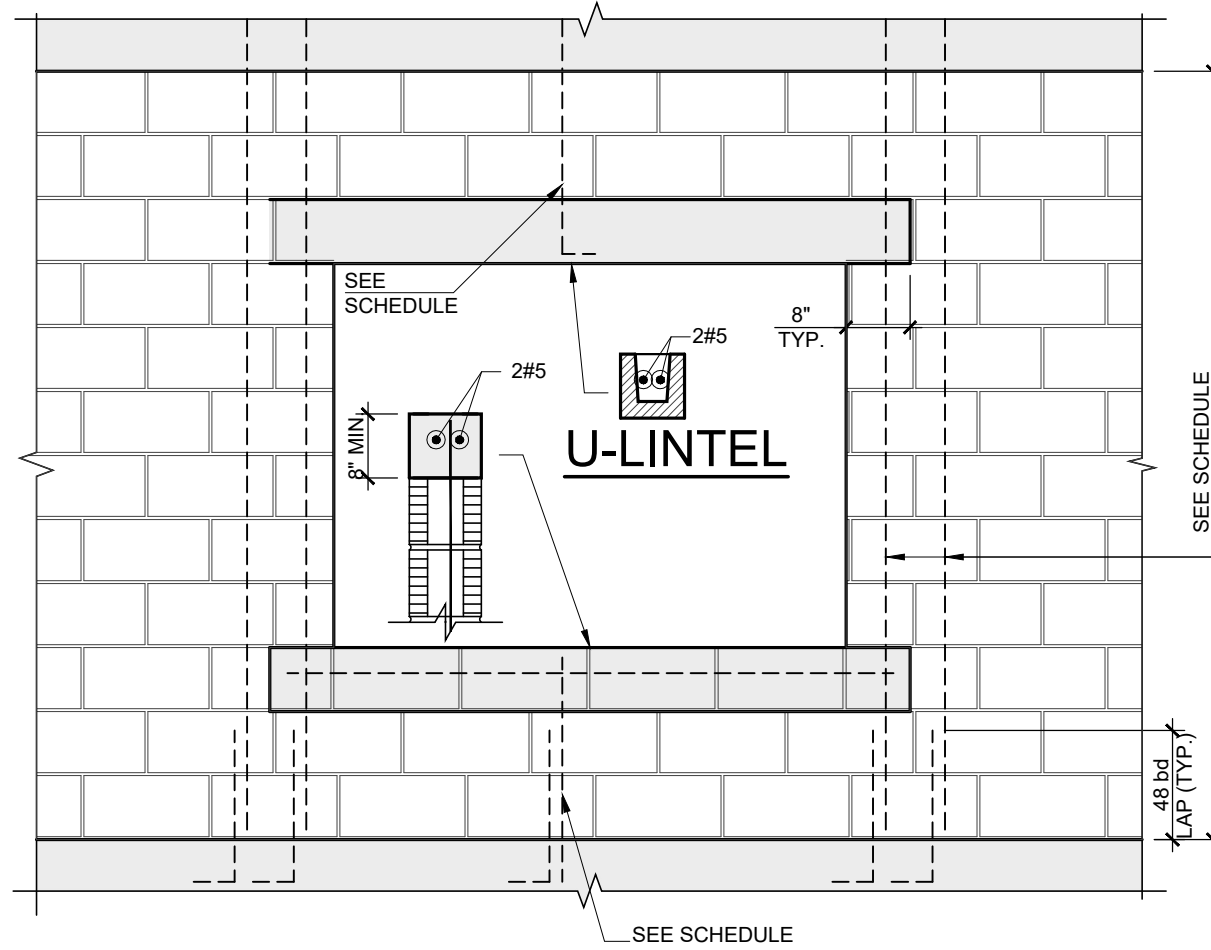
TYPICAL BEAM CORNER DETAIL
NOT TO SCALE
NOTE: APPLIES TO STRUCTURAL, GRADE & TIE BEAM (TYP. U.O.N.)



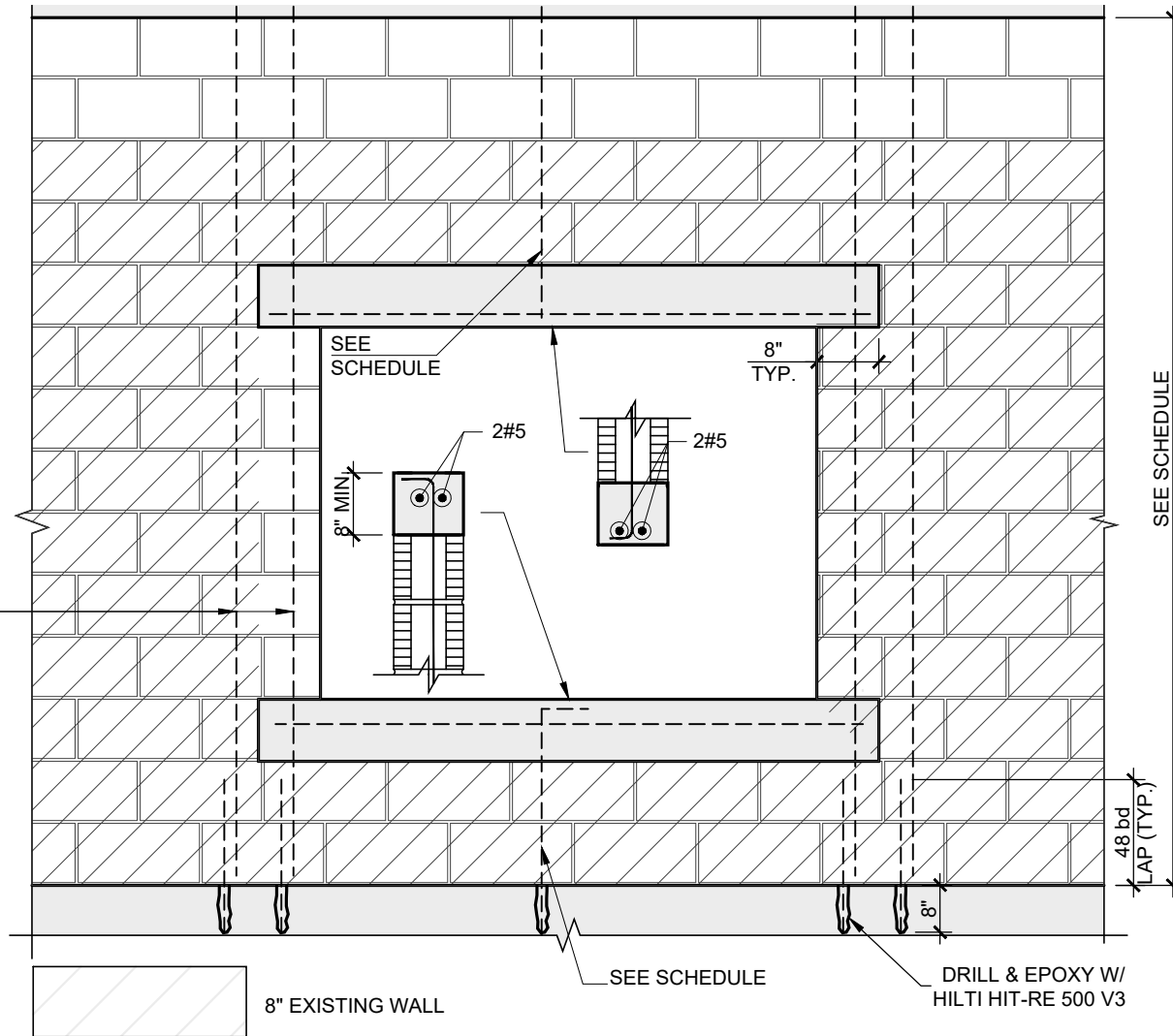
TYPICAL REINFORCEMENT PLACEMENT DIAGRAM FOR BEAMS
NOT TO SCALE



TYPICAL EXISTING CMU WALL -
REINFORCEMENT DETAIL



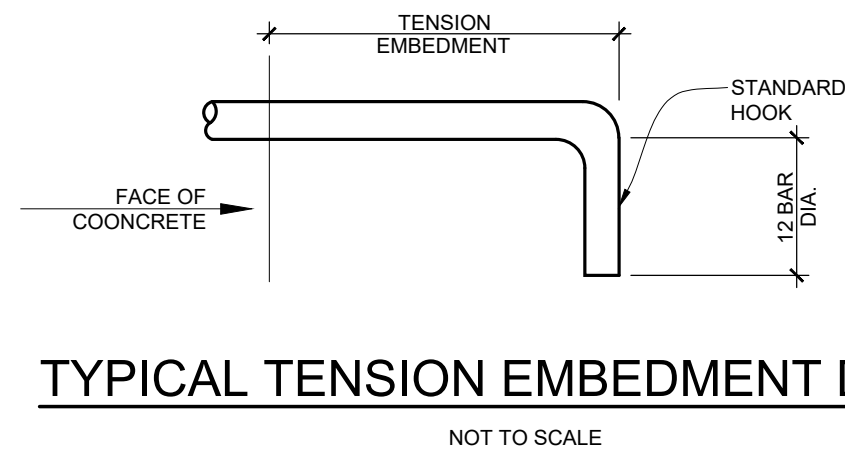
TYPICAL REINFORCING PLACEMENT AT
WINDOW OPENINGS (UP TO 8'-0" WIDE)
NEW CMU WALL



TYPICAL REINFORCING PLACEMENT AT
WINDOW OPENINGS AT EXISTING CMU
WALL (UP TO 8'-0" WIDE)
EXISTING WALL EXTENDED

BAR SIZE		f'c = 5000 PSI, NORMAL CONCRETE							
		TOP BARS				OTHER BARS			
		CATEGORY		CATEGORY		CATEGORY		CATEGORY	
		1	2	1	2	1	2	1	2
#3	LD	17	25	13	19				
	LT2	22	32	17	25				
	LD	22	33	17	25				
#4	LD	29	43	22	33				
	LD	28	41	21	32				
	LT2	36	54	28	41				
#6	LD	33	50	25	38				
	LT2	43	65	33	50				
	LD	48	72	37	56				
#7	LD	63	94	48	72				
	LD	55	83	42	64				
	LT2	72	108	55	83				
#9	LD	62	93	48	72				
	LT2	81	121	62	93				
	LD	69	103	53	80				
#10	LD	90	134	69	103				
	LD	76	114	58	88				
	LT2	99	148	76	114				
#14	LD	97	145	74	111				
#18	LD	124	186	95	143				

BAR SIZE		TENSION EMBEDMENT LENGTH (with std. hook) SCHEDULE															
		f'c = 3000 psi		f'c = 4000 psi		f'c = 5000 psi		f'c = 6000 psi		f'c = 7000 psi		f'c = 8000 psi					
		TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT				
#4	12"	8"	10"	7"	9"	6"	8"	9"	6"	9"	6"	9"	6"				
#5	14"	10"	13"	9"	12"	8"	10"	7"	10"	7"	10"	7"	10"				
#6	17"	12"	14"	10"	13"	9"	13"	9"	12"	8"	12"	8"	12"				
#7	20"	14"	17"	12"	16"	11"	14"	10"	13"	9"	13"	9"	13"				
#8	23"	16"	20"	14"	17"	12"	16"	11"	16"	11"	14"	10"	14"				
#9	26"	18"	21"	15"	20"	14"	19"	13"	17"	12"	16"	11"	16"				
#10	28"	20"	24"	17"	23"	16"	20"	14"	19"	13"	17"	12"	17"				
#11	31"	22"	27"	19"	24"	17"	23"	16	21"	15"	20"	14"	20"				



TYPICAL TENSION EMBEDMENT DETAIL
NOT TO SCALE

DEFINITIONS OF LAP/SPLICE CATEGORIES	
CATEGORY	DEFINITION
1	CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED NOT LESS THAN db. CLEAR COVER NOT LESS THAN db. AND STIRRUPS OR TIES THROUGHOUT Ld NOT LESS THAN THE CODE MINIMUM OR CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED NOT LESS THAN 2db. AND CLEAR COVER NOT LESS THAN db.
2	OTHER CASES

NOTE:
1. TOP BARS ARE DEFINED AS HORIZONTAL REINFORCEMENT SO PLACED THAT MORE THAN 12 INCHES OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE DEVELOPMENT LENGTH OR SPLICE.
2. db STANDS FOR NOMINAL BAR DIAMETER.

COMPRESSION LAP SPLICE "LC"
"LC" = 30 BAR DIAMETER FOR f'c ≥ 3000 psi
MINIMUM COMPRESSION DOWEL EMBEDMENT
22 BAR DIAMETER FOR f'c ≥ 3000 psi

TENSION DEVELOPMENT &
LAP SPLICE LENGTH SCHEDULES

LD = TENSION DEVELOPMENT LENGTH IN INCHES
LT2 = TENSION LAP SPLICE LENGTH IN INCHES
USE TABLES FOR GRADE 60 UNCOATED BARS

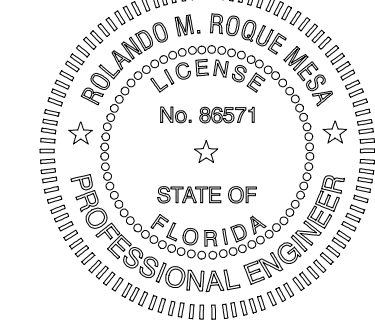
LAP SPLICES FOR SHEARWALLS
ALL SHEARWALL SHALL BE LT-2



5540 NW 101st CT. DORAL, Florida 33178
Tel: (786) 366-9949 / roque@sqengineers.com

Rolando M. Roque,
License #: 86571

SEAL:



NOTE: AUTHENTIC COPIES OF THIS DOCUMENT SHALL BEAR THE SIGNATURE IN ORIGINAL AND THE RAISED SEAL OR STAMP OF THE ATTESTING ARCHITECT OR ENGINEER OF RECORD AND BE DATED.

ALL DESIGNS AND DETAILS INDICATED BY AND REPRESENTED BY THIS DRAWING ARE FOR USE ON AND IN CONJUNCTION WITH THE SPECIFIED PROJECT. ALL DRAWINGS CONTAINED HEREIN ARE THE PROPERTY OF ROLANDO ROQUE P.E. AND NOT TO BE USED OR REPRODUCED IN WHOLE OR IN PART WITHOUT THE ADVANCED WRITTEN PERMISSION AND CONSENT FROM THE FIRM. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS.

COPYRIGHT R2 2019 - 2021
TO THE BEST OF THE ARCHITECT OR ENGINEERS KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AT THE TIME OF THEIR PREPARATION AS DETERMINED BY THE LOCAL AUTHORITIES IN ACCORDANCE WITH SECTION 105 (F.B.C.) FLORIDA BUILDING CODE AND 633 FLORIDA STATUTES.

PROJECT NAME:

HOUSE RENOVATION
AND ADDITION

PROJECT ADDRESS:

1300 LENOX ALTON ROAD

OWNER:

CONSULTANTS:

PROJECT NO.

92-2021

DATE

10-25-2021

REVISIONS

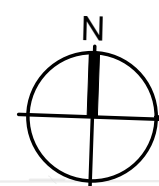
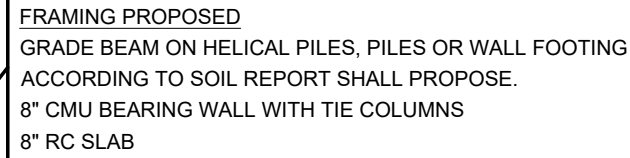
Issue Issue date / For

SHEET TITLE

STANDARD DETAILS

SHEET

S-0.01



Scale: 1/4":1'-0"

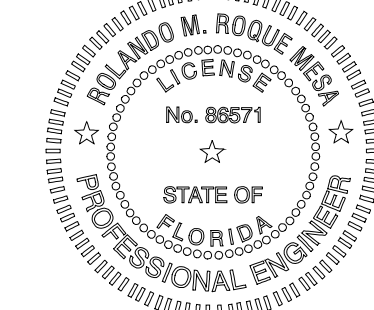
NOTE 1: DRILL & EPOXY W/HILTI HIT-RE 500 V3 #3@16", L=6"

FRAMING PROPOSED
REINFORCE EXISTING WALL FOOTING (16"x12") WITH HELICAL
PILES OR CHECK IF EXISTING WALL FOOTING COULD
SUPPORT NEW FORCES. A SOIL REPORT IS REQUIRED.
8" CMU BEARING WALL WITH TIE COLUMNS
8x12" TIE BEAM
PREFABRICATED WOOD TRUSSES @24".

5540 NW 101st CT, DORAL, Florida 33178
Tel: (786) 366-9949 / roque@rsqengineers.com

Rolando M. Roque,
License #: 86571

SEAL:



NOTE: AUTHENTIC COPIES OF THIS DOCUMENT SHALL BEAR THE SIGNATURE IN ORIGINAL AND THE RAISED SEAL OR STAMP OF THE ATTESTING ARCHITECT OR ENGINEER OF RECORD AND BE DATED.

ALL DESIGNS AND DETAILS INDICATED BY AND REPRESENTED BY THIS DRAWING ARE FOR USE ON AND IN CONJUNCTION WITH THE SPECIFIED PROJECT. ALL DRAWINGS CONTAINED HEREIN ARE THE PROPERTY OF ROLANDO ROQUE P.E. AND NOT TO BE USED OR REPRODUCED IN WHOLE OR IN PART WITHOUT THE ADVANCED WRITTEN PERMISSION AND CONSENT FROM THE FIRM. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS.

COPYRIGHT R2 2019 - 2021.
TO THE BEST OF THE ARCHITECT OR ENGINEER'S
KNOWLEDGE, THE PLANS AND SPECIFICATIONS
COMPLY WITH THE APPLICABLE MINIMUM CODES
AND THE APPLICABLE FIRE SAFETY STANDARDS
AT THE TIME OF THEIR PREPARATION AS
DETERMINED BY THE LOCAL AUTHORITIES IN
ACCORDANCE WITH SECTION 105 (F.B.C.),
FLORIDA BUILDING CODE AND 633 FLORIDA
STATUTES.

PROJECT NAME

HOUSE RENOVATION AND ADDITION

PROJECT ADDRESS

1300 LENOX ALTON ROAD

OWNER: **GROUND FLOOR /**
FOUNDATION PLAN

CONSULTANTS

PROJECT NO. _____

92-2021

DATE _____

10-25-2021

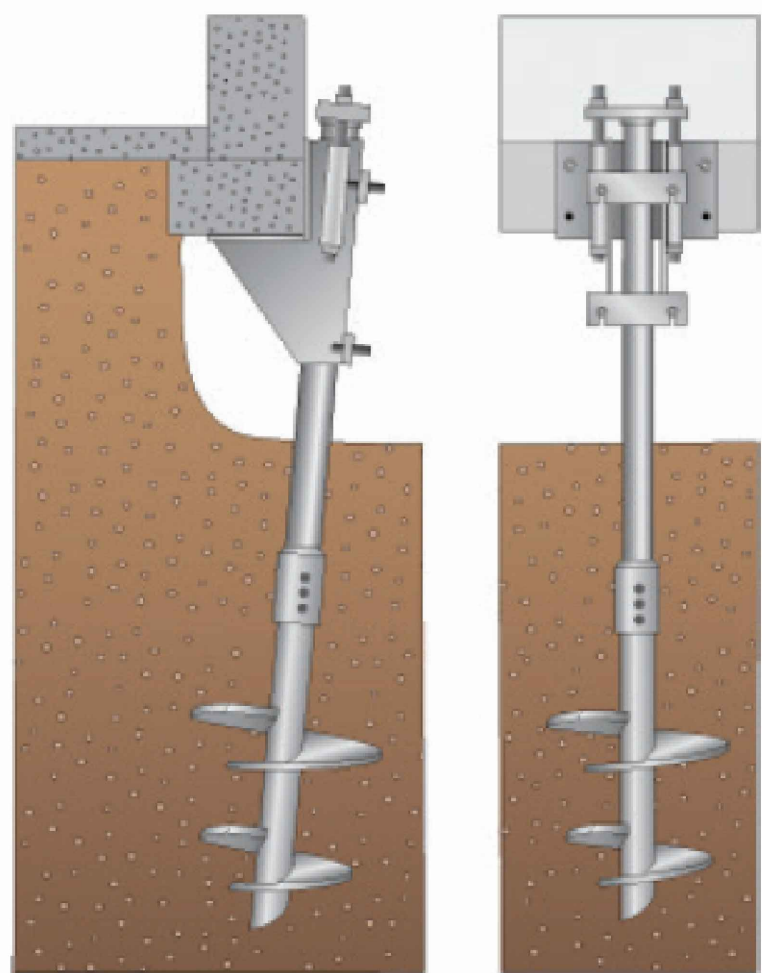
REVISIONS

Issue	Issue date / For
-------	------------------

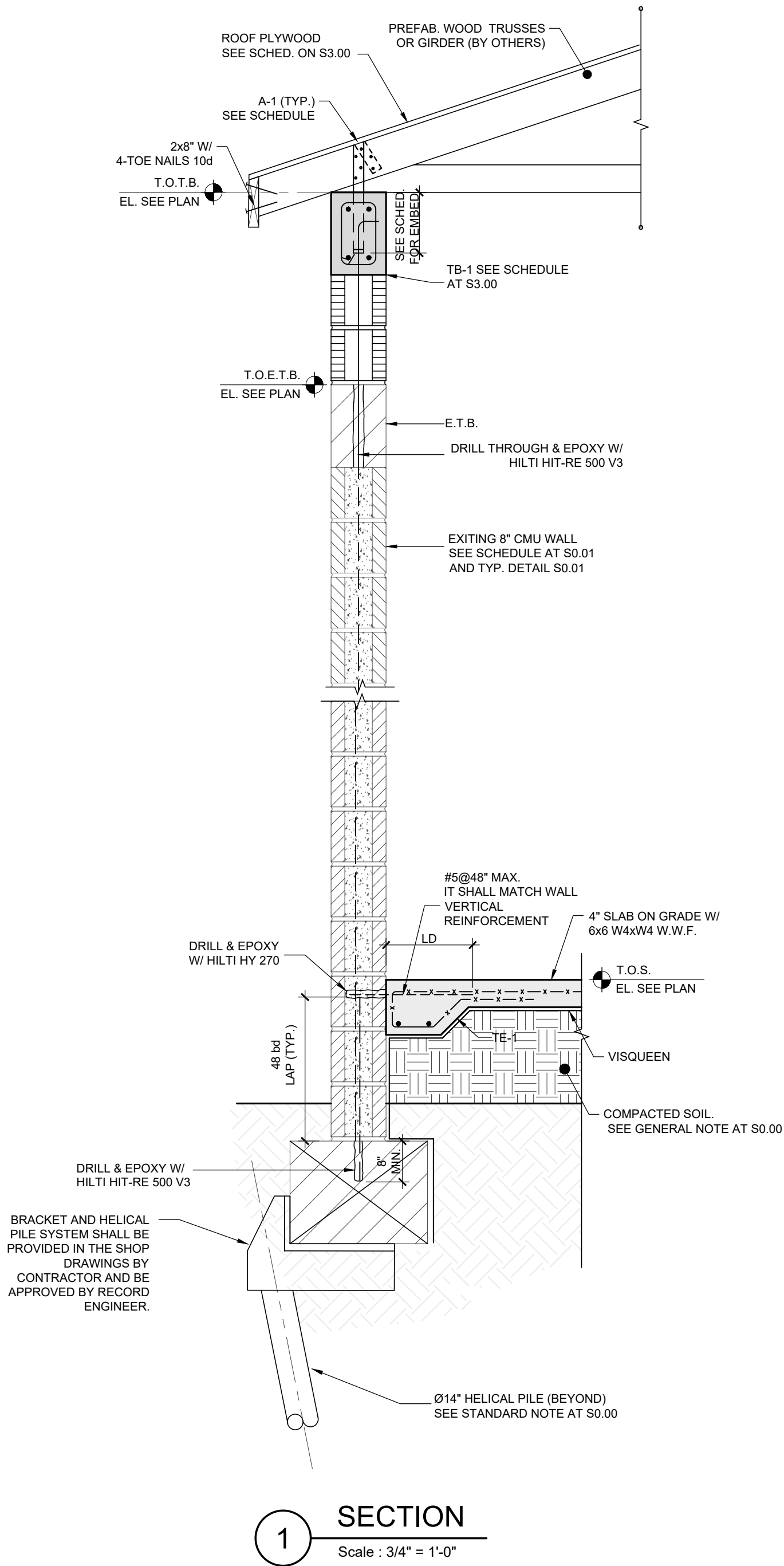
SHEET TITLE

SHEET

S-1.00



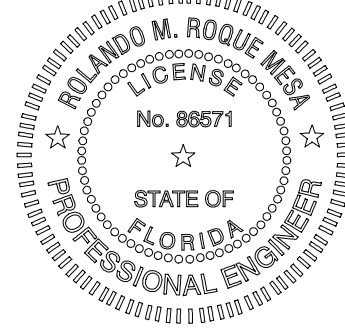
HELICAL PILES CONNECTION TO EXISTING WALL FOOTING



5540 NW 101st CT. DORAL, Florida 33178
Tel: (786) 366-9949 / roque@sqengineers.com

Rolando M. Roque,
License #: 86571

SEAL:



NOTE: AUTHENTIC COPIES OF THIS DOCUMENT SHALL BEAR THE SIGNATURE IN ORIGINAL AND THE RAISED SEAL OR STAMP OF THE ATTESTING ARCHITECT OR ENGINEER OF RECORD AND BE DATED.

ALL DESIGNS AND DETAILS INDICATED BY AND REPRESENTED BY THIS DRAWING ARE FOR USE ON AND IN CONJUNCTION WITH THE SPECIFIED PROJECT. ALL DRAWINGS CONTAINED HEREIN ARE THE PROPERTY OF ROLANDO ROQUE P.E. AND NOT TO BE USED OR REPRODUCED IN WHOLE OR IN PART WITHOUT THE ADVANCED WRITTEN PERMISSION AND CONSENT FROM THE FIRM. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS.

COPYRIGHT R2 2019 - 2021
TO THE BEST OF THE ARCHITECT OR ENGINEERS KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AT THE TIME OF THEIR PREPARATION AS DETERMINED BY THE LOCAL AUTHORITIES IN ACCORDANCE WITH SECTION 105 (F.B.C.) FLORIDA BUILDING CODE AND 633 FLORIDA STATUTES.

PROJECT NAME:

HOUSE RENOVATION AND ADDITION

PROJECT ADDRESS:

1300 LENOX ALTON ROAD

OWNER:

CONSULTANTS:

PROJECT NO.

92-2021

DATE

10-25-2021

REVISIONS

Issue Issue date / For

SHEET TITLE

SECTIONS

SHEET

S-2.00