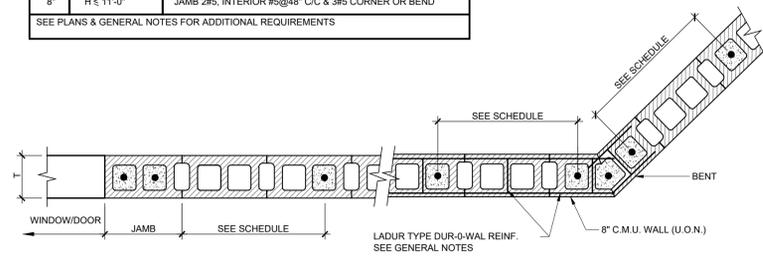


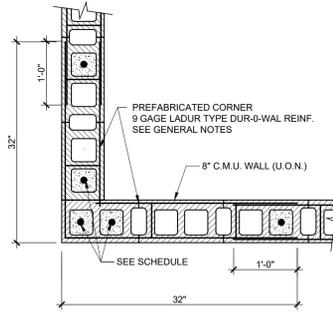
BEARING WALL SCHEDULE

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

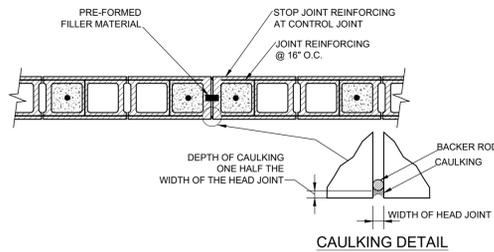
SEE PLANS & GENERAL NOTES FOR ADDITIONAL REQUIREMENTS



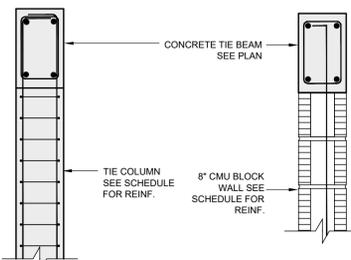
TYPICAL EXTERIOR REINFORCED MASONRY WALL DETAILS
(UNLESS OTHERWISE NOTED IN PLANS)
NOT TO SCALE



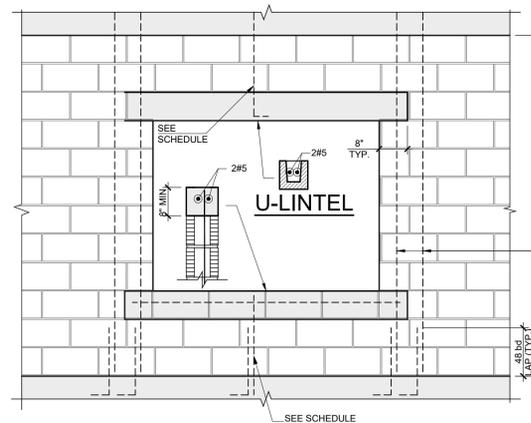
MASONRY f' M = 1500 psi



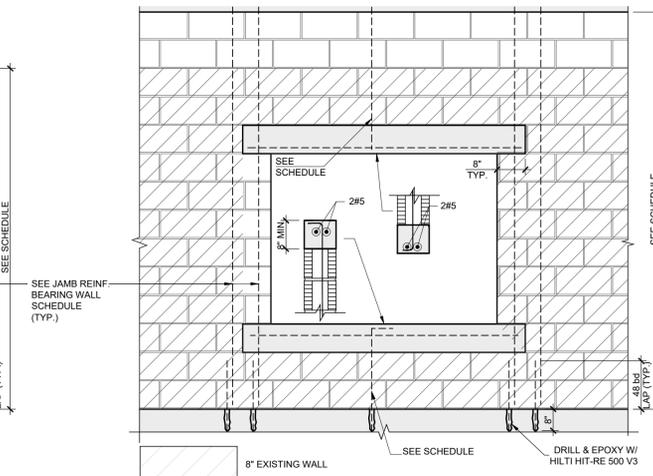
CAULKING DETAIL



TYPICAL TIE COLUMN - TIE BEAM CONNECTION **TYPICAL CMU WALL - TIE BEAM CONNECTION**



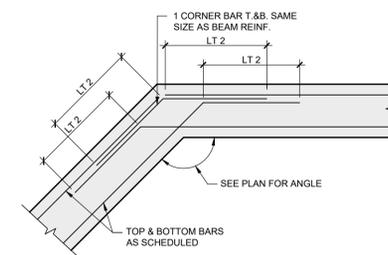
TYPICAL REINFORCING PLACEMENT AT WINDOW OPENINGS (UP TO 8'-0" WIDE) NEW CMU WALL



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

TYPICAL CORNER CONDITION
N.T.S.

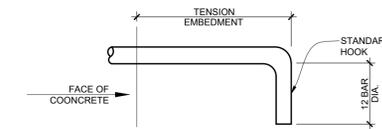
TYPICAL CMU CONTROL JOINT
NOT TO SCALE



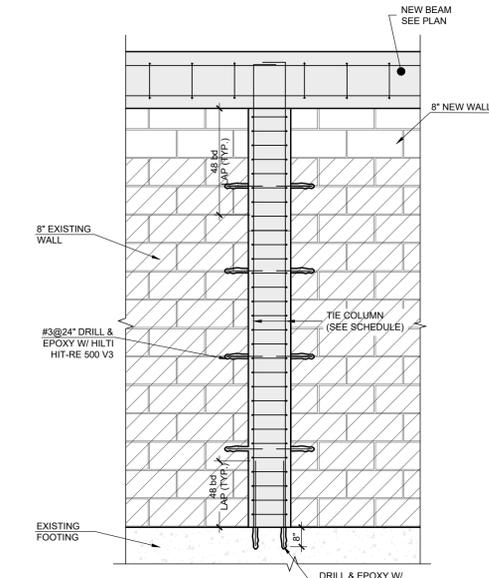
TYPICAL BEAM CORNER DETAIL
NOT TO SCALE
NOTE: APPLIES TO STRUCTURAL, GRADE & TIE BEAM (TYP. U.O.N.)

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

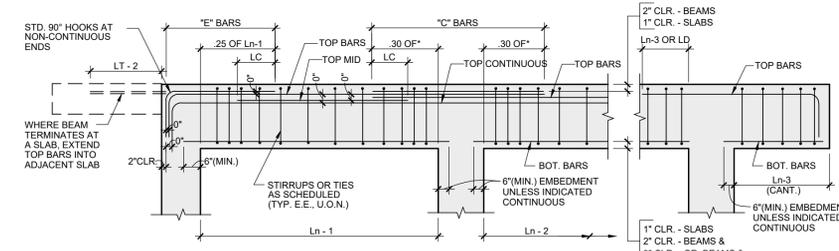
BAR SIZE	f'c = 3000 psi		f'c = 4000 psi		f'c = 5000 psi		f'c = 6000 psi		f'c = 7000 psi		f'c = 8000 psi	
	TOP	BOT										
#4	12"	8"	10"	7"	9"	6"	9"	6"	9"	6"	9"	6"
#5	14"	10"	13"	9"	12"	8"	10"	7"	10"	7"	10"	7"
#6	17"	12"	14"	10"	13"	9"	13"	9"	12"	8"	12"	8"
#7	20"	14"	17"	12"	16"	11"	14"	10"	13"	9"	13"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



TYPICAL TENSION EMBEDMENT DETAIL
NOT TO SCALE



TYPICAL EXISTING WALL/TIE BEAM AND EXTENDED WALL CONNECTION



TYPICAL REINFORCEMENT PLACEMENT DIAGRAM FOR BEAMS
NOT TO SCALE

NOTE: WHERE BARS ARE MARKED "CONTINUOUS" PROVIDE LC LAP SPLICE @ M/O SPAN OF BEAMS.
* Ln - 1 OR Ln - 2 (THE GREATER SPAN).

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.

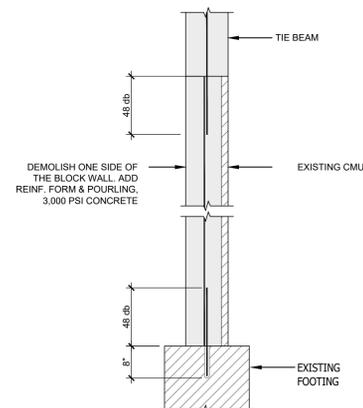
"LC" = 30 BAR DIAMETER FOR f'c > 3000 psi

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



TYPICAL EXISTING CMU WALL - REINFORCEMENT DETAIL



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Tel: (786) 366-9949 / roque@rsqengineers.com

Rolando M. Roque,
License #: 86571



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HOUSE RENOVATION AND ADDITION

PROJECT ADDRESS
1300 LENOX ALTON ROAD

OWNER

CONSULTANTS:

PROJECT NO.
92-2021

DATE
10-25-2021

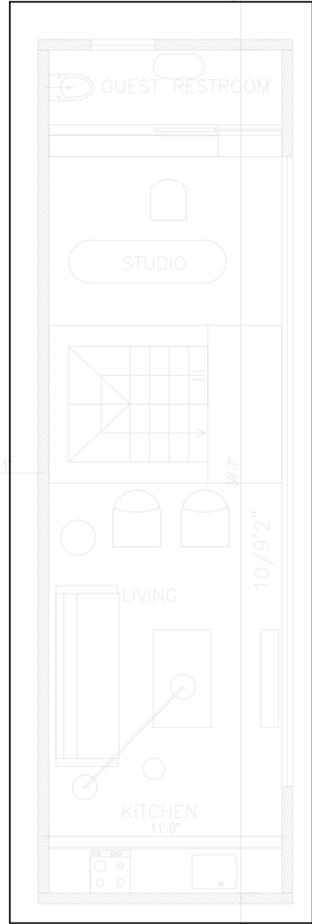
REVISIONS
Issue Issue date / For

SHEET TITLE

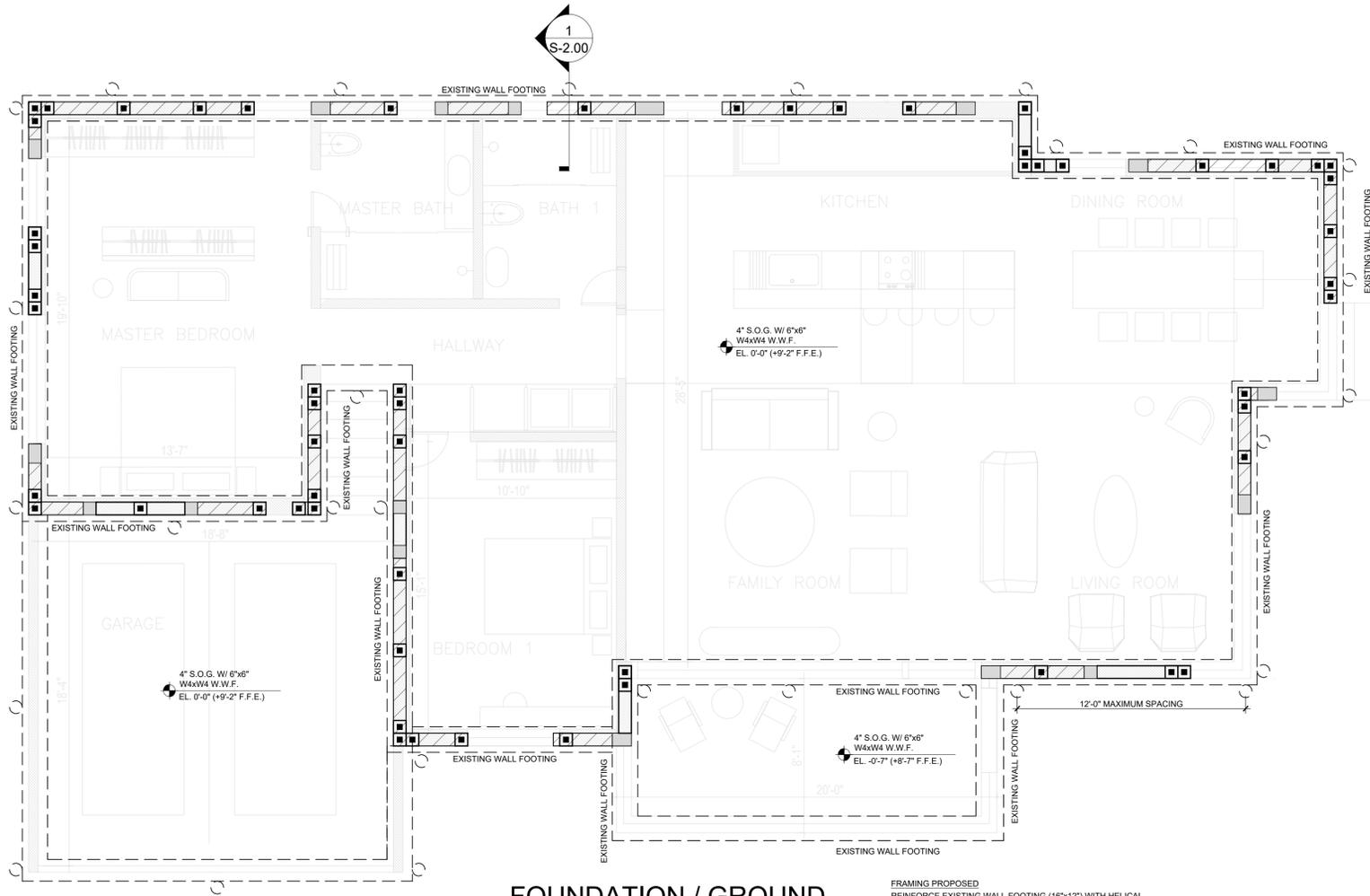
STANDARD DETAILS

SHEET

S-0.01



FRAMING PROPOSED
 GRADE BEAM ON HELICAL PILES, PILES OR WALL FOOTING
 ACCORDING TO SOIL REPORT SHALL PROPOSE.
 8" CMU BEARING WALL WITH TIE COLUMNS
 8" RC SLAB



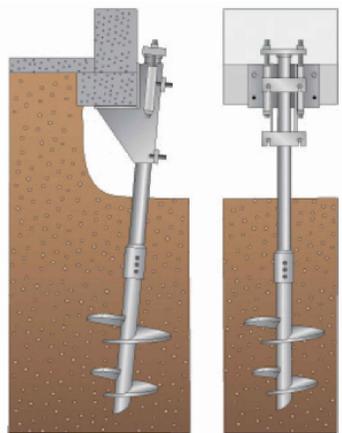
FOUNDATION / GROUND FLOOR PLAN

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

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

LEGEND:	
	Ø14" HELICAL PILE
	EXISTING STRUCTURAL MEMBERS

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"



HELICAL PILES CONNECTION TO EXISTING WALL FOOTING



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PROJECT NAME:
HOUSE RENOVATION AND ADDITION

PROJECT ADDRESS:
 1300 LENOX ALTON ROAD

OWNER:
 GROUND FLOOR / FOUNDATION PLAN

CONSULTANTS:

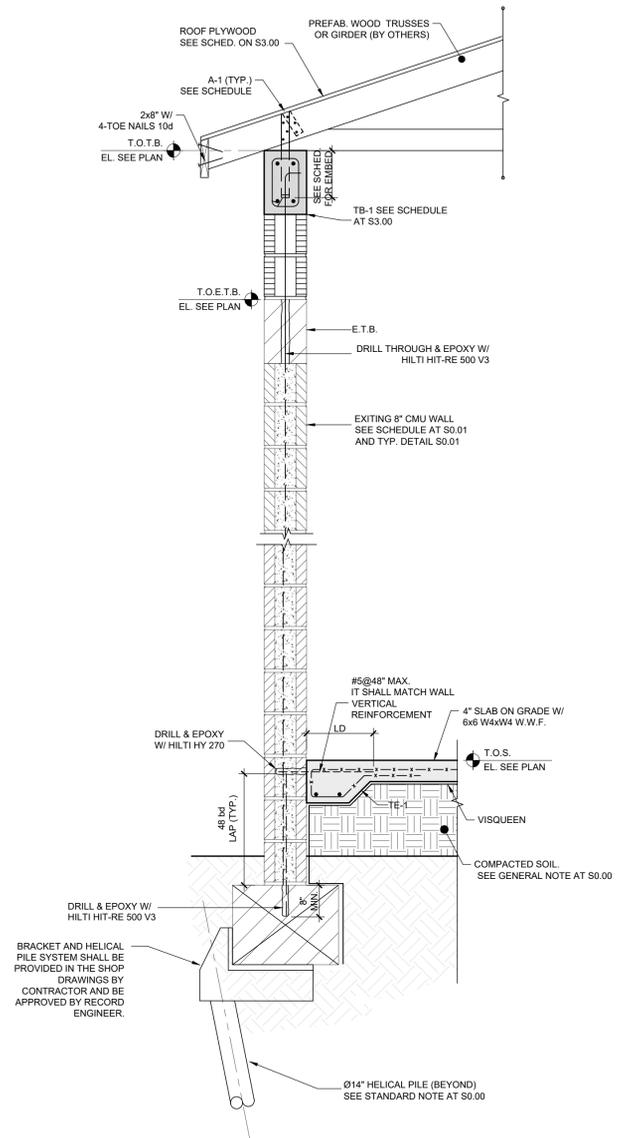
PROJECT NO:
 92-2021

DATE:
 10-25-2021

REVISIONS:
 Issue Issue date / For

SHEET TITLE

SHEET
S-1.00



1 SECTION
Scale : 3/4" = 1'-0"



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SECTIONS

SHEET

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