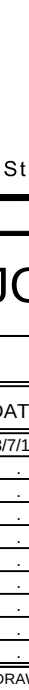


Custom Design & Drafting of Bradenton, Inc.

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Cert. of Auth.#28488



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 TEL (941) 365-1900 / FAX (888) 365-4041
 EMAIL : DEREK@APEXENGINEER.COM

Structural Components Only

JOB# D16-041		
ISSUE DATE		
DATE	BY	REASON
3/7/16	JTL	Construction Doc.'s
DRAWN JTL	CHECKED JTL	APPROVED JTL

SHEET #

A-1

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JOB# D16-041

ISSUE DATE

[illegible]

DRAWN JTL	CHECKED JTL	APPROVED JTL
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SHEET #

A-1

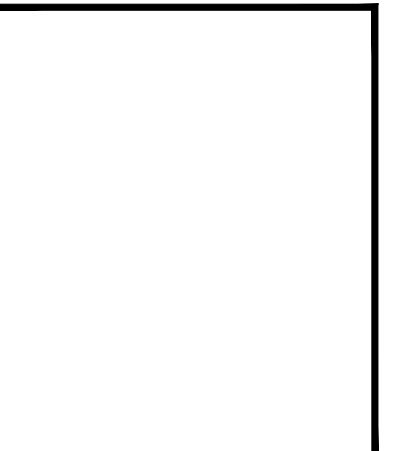
NEW 2X4 WALL

NEW 2X6 WALL

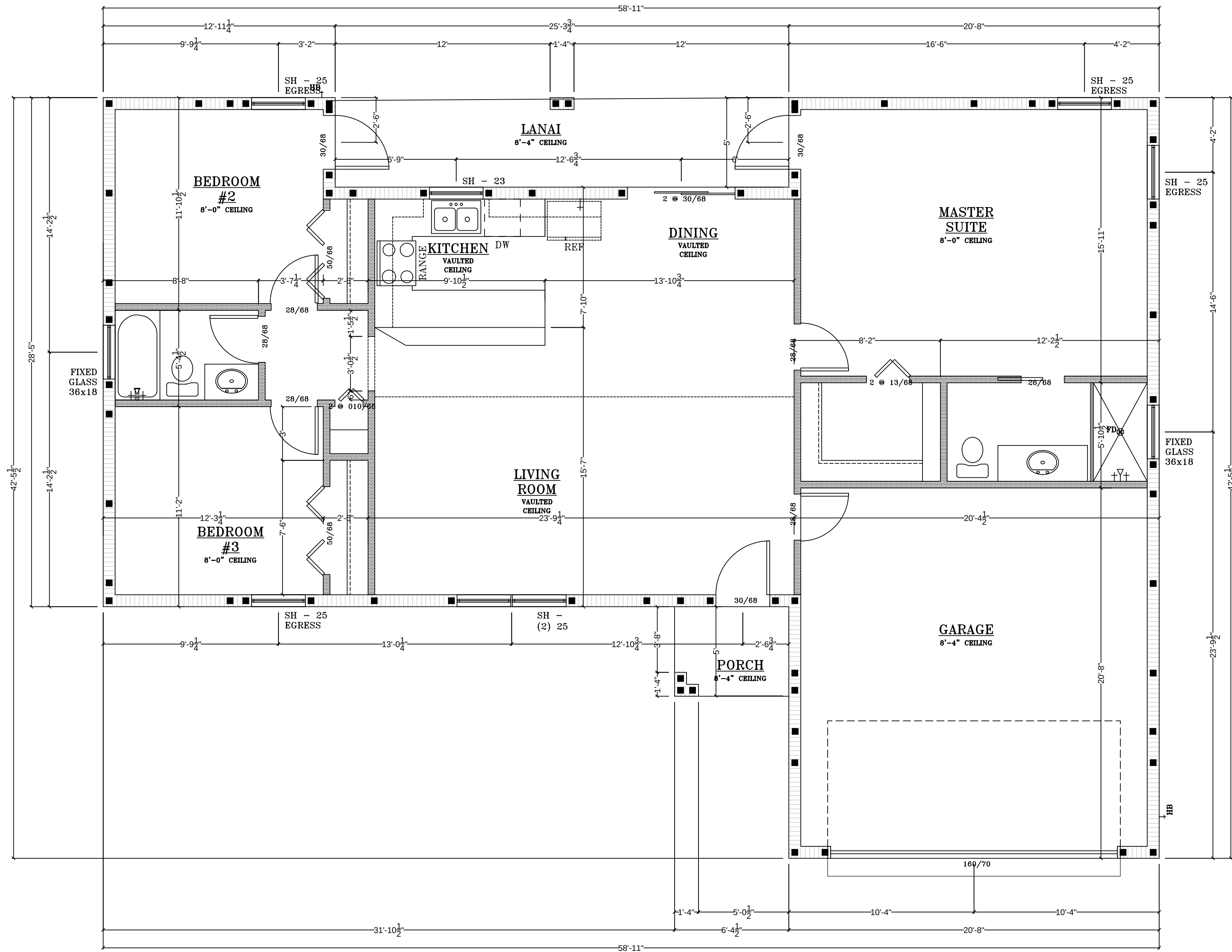
NEW 8" CMU WALL

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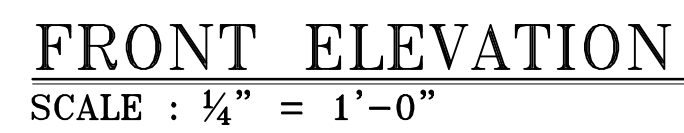
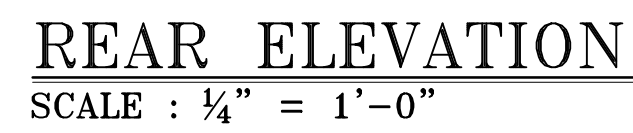
SHEET #
A-2



FLOOR PLAN
SCALE : ¼" = 1'-0"

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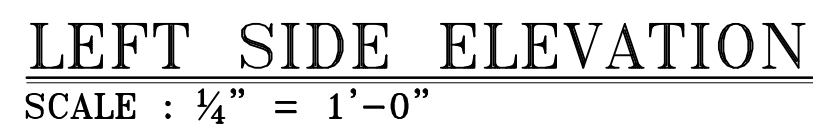
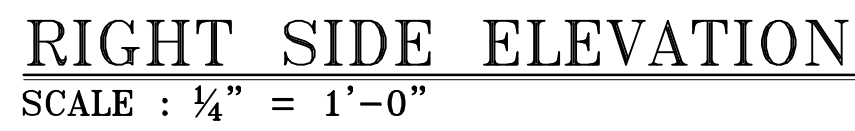
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SHEET #
A-3

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SHEET #
A-4

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[illegible]

Diagram illustrating a typical mono footer. The footer is shown in cross-section, resting on a foundation. Key dimensions and components are labeled:

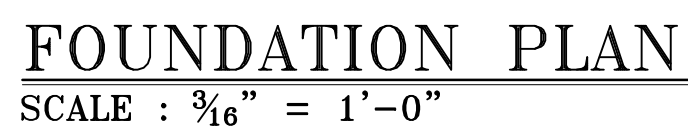
- LOAD BEARING COLUMN:** Indicated by an arrow pointing to the column above the footer.
- DEPTH:** The vertical height of the footer.
- WIDTH:** The horizontal width of the footer.
- REBAR 3" FROM BOTTOM:** A reinforcement bar located 3 inches from the bottom edge of the footer.

TYPICAL MONO FOOTER

FOOTING SCHEDULE			
MARK	TYPE	SIZE (W x D)	REBAR
F01	STEM WALL	16" x 10"	(2) #5
F02	STEM WALL	20" x 12"	(3) #5
F03	STEM WALL	24" x 12"	(3) #5
F04	MONO FOOTER	12" x 10"	(2) #5
F05	MONO FOOTER	12" x 20"	(2) #5
F06	MONO FOOTER	16" x 20"	(3) #5
F07	INTERIOR FOOTING	12" x 12"	(2) #5
F08	INTERIOR FOOTING	16" x 16"	(2) #5
F09	STEP DOWN FOOTING	16" x 12"	(2) #5
F10	STEP DOWN FOOTING	16" x 16"	(2) #5

PAD SCHEDULE			
MARK	TYPE	SIZE (W x L x D)	REBAR
P01	CONC. PAD	1'-0" x 1'-0" x 1'-0"	(2) #5 EA. WAY
P1.5	CONC. PAD	1'-6" x 1'-6" x 1'-0"	(3) #5 EA. WAY
P02	CONC. PAD	2'-0" x 2'-0" x 1'-0"	(3) #5 EA. WAY
P2.5	CONC. PAD	2'-6" x 2'-6" x 1'-0"	(3) #5 EA. WAY
P03	CONC. PAD	3'-0" x 3'-0" x 1'-4"	(4) #5 EA. WAY
P3.5	CONC. PAD	3'-6" x 3'-6" x 1'-4"	(4) #5 EA. WAY
P04	CONC. PAD	4'-0" x 4'-0" x 1'-4"	(5) #5 EA. WAY

- ONE STORY BLOCK WALLS TO HAVE #5 REBAR @ 6' O.C. U.N.O.



- ONE STORY BLOCK WALLS TO HAVE #5 REBAR @ 6' O.C. U.N.O.
- TWO STORY BLOCK WALLS TO HAVE #5 REBAR @ 4' O.C. U.N.O.

MARK	TYPE	SIZE (W x D)	PLY	GRADE	NOTES
W28	SOLID SAWN	2"x8"	2	No. 2	
W210	SOLID SAWN	2"x10"	2	No. 2	
W212	SOLID SAWN	2"x12"	2	No. 2	
W38	SOLID SAWN	2"x8"	3	No. 2	
W310	SOLID SAWN	2"x10"	3	No. 2	
W312	SOLID SAWN	2"x12"	3	No. 2	
E212	ENGINEERED WOOD	3.5"x11.25"		MIN. 1.9 E	
E216	ENGINEERED WOOD	3.5"x16"		MIN. 1.9 E	
E218	ENGINEERED WOOD	3.5"x18"		MIN. 1.9 E	
E312	ENGINEERED WOOD	5.25"x11.25"		MIN. 1.9 E	
E316	ENGINEERED WOOD	5.25"x16"		MIN. 1.9 E	
E318	ENGINEERED WOOD	5.25"x18"		MIN. 1.9 E	
E416	ENGINEERED WOOD	7.0"x18"		MIN. 1.9 E	

MARK	TYPE	SIZE (W x D)	MARK	TYPE	SIZE (W x D)
C01	SOLID SAWN	4"x4"	C07	CMU COLUMN w/ (1) #5	8"x8"
				&P COLUMN w/ (4) #6	
C02	SOLID SAWN	6"x6"	C08	#3 STIRRUPS @ 12" O.C.	8"x16"
C03	SOLID SAWN	8"x8"	C09	CMU COLUMN w/ (4) #5	
				#3 STIRRUPS @ 12" O.C.	12"x12"
C04	ENGINEERED WOOD	3.5"x3.5"	C10	CMU COLUMN w/ (4) #6	
				#3 STIRRUPS @ 10" O.C.	16"x16"
C05	ENGINEERED WOOD	3.5"x3.25"	C11	STEEL TUBE	3.5"x3.5"x0.25
C06	ENGINEERED WOOD	5.5"x5.25"	C12	STEEL TUBE	4"x4"x0.25

SEE GENERAL NOTES PAGE FOR BUILDING SPECIFICATIONS, CONSTRUCTION NOTES,
SCOPE OF WORK AND DESIGN CRITERIA.

PRE-ENGINEERED TRUSS PLANS BY OTHERS TO BE REVIEWED & SIGNED BY ARCHITECT
OF RECORD BEFORE PERMIT ISSUANCE.

ALL GIRDER TRUSSES SET ON CMU WALLS TO HAVE FILLED CELLS DIRECTLY BELOW

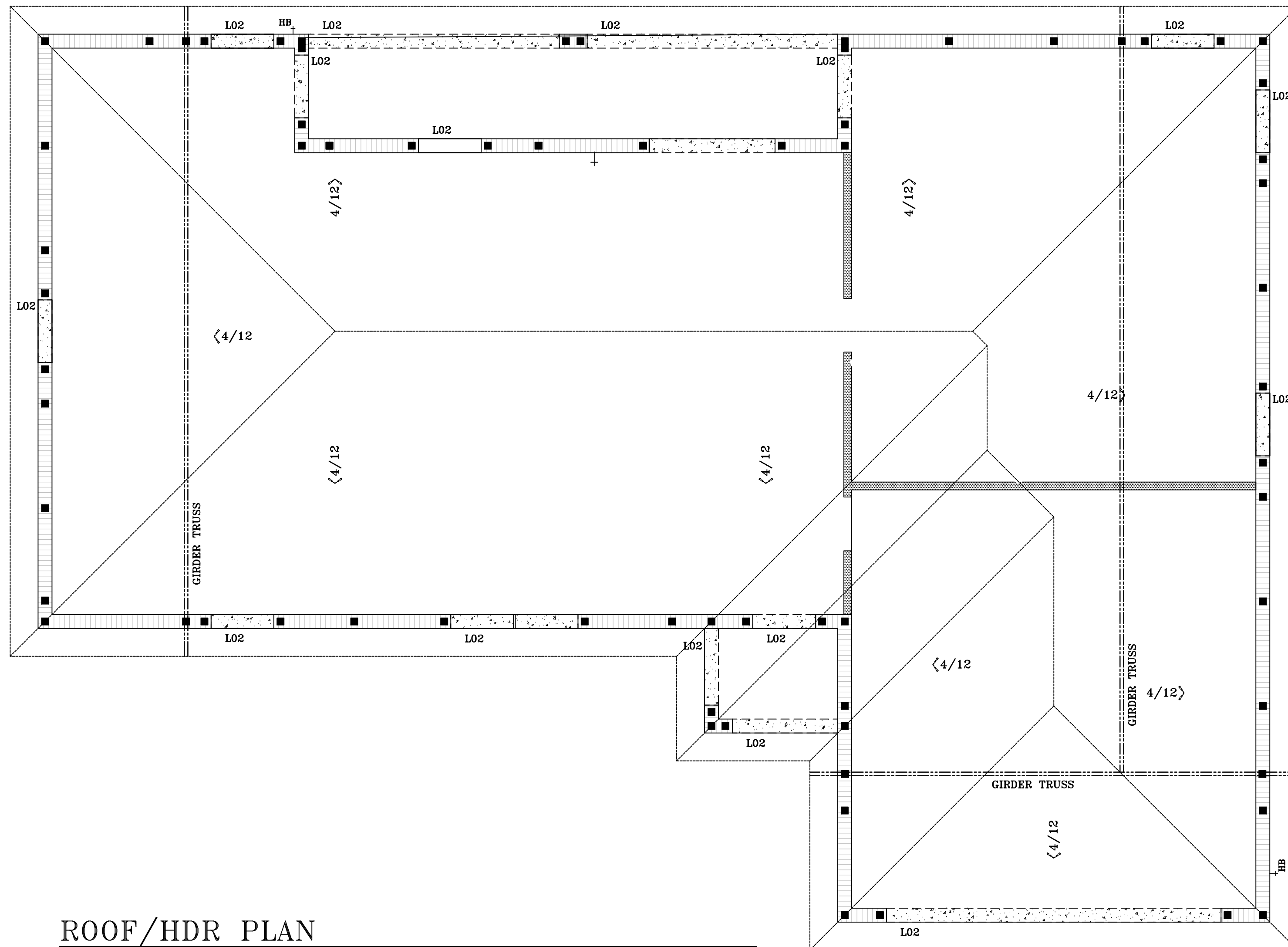
TYPICAL FOR CMU
SUPPORTED WALLS AND
OPENINGS LESS THAN 6'-0"
U.N.O.

8"x8" PRECAST LINTEL
BLOCK w/
(1) #5 REBAR BOTTOM
FILLED SOLID

L01

 8"x16" PRECAST LINTEL
BLOCK w/
(1) #5 REBAR TOP &
(1) #5 REBAR BOTTOM
L02
FILLED SOLID

L03



SCALE : $\frac{1}{4}" = 1'-0"$

PRE-ENGINEERED TRUSS PLANS BY OTHERS TO BE REVIEWED & SIGNED
BY ENGINEER OF RECORD BEFORE PERMIT ISSUANCE.

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[illegible]

SHEET #
S-3



FOR SI UNITS: 1 INCH = 25.4 mm, 1 FOOT = 304.8mm



SCALE: NTS

- 5/8" x 6" TITEN HD'S, ARE ACCEPTABLE SUBSTITUTIONS FOR ANCHOR BOLTS IN THIS SPECIFIC SITUATION.



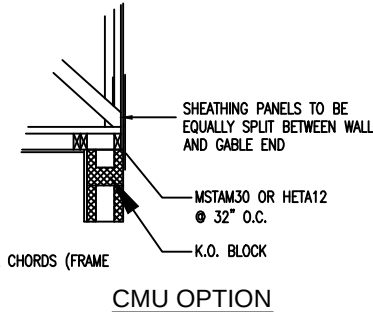
SCALE: NTS



SCALE: NTS



SCALE: NTS



SCALE: NTS

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SHEET #
S-4

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JOB# D16-041		
ISSUE DATE		
DATE	BY	REASON
3/7/16	JTL	Construction Doc.'s
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
DRAWN JTL	CHECKED JTL	APPROVED JTL
-	-	-

Architectural floor plan of a two-story building showing mechanical and electrical layout. The plan includes a kitchen area with a range, dishwasher (DW), and refrigerator (REF); a bathroom with a toilet, sink, and bathtub; and a living area with a fireplace and a large open space. Mechanical components like fans, vents, and floodlights are indicated with dashed lines and symbols. Electrical components like switches (S), outlets (GFI, CM), and a fire alarm (F) are also shown. The plan is labeled with 'HB' for horizontal and 'WP-GFI' for water protection ground fault interrupter.

	SWITCH		QUADRUPLEX		THERMOSTAT		FLOODLIGHT
	THREE-WAY SWITCH		CEILING DUPLEX		SMOKE DETECTOR		VENT
	FOUR-WAY SWITCH		FLOOR DUPLEX		CARBON MONOXIDE DETECTOR		VENT AND LIGHT
	RHEOSTAT		JUNCTION		CEILING LIGHT		HEAT AND LIGHT
	DUPLEX		DOOR BELL		RECESSED CEILING LIGHT		HEAT AND VENT
	GFCI DUPLEX		GARAGE DOOR		RECESSED EYEBALL LIGHT		HEAT, VENT AND LIGHT
	COUNTERTOP DUPLEX		PHONE OUTLET		WALL HUNG LIGHT		
	SPLIT WIRED DUPLEX		TV OUTLET		EYEBALL LIGHT		
	220 VOLT OUTLET		SPEAKER		LANDSCAPING LIGHT		

ELECTRICAL WORK SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:

1. POWER FOR CONNECTIONS TO EQUIPMENT PROVIDED AND INSTALLED BY OTHER TRADES, I.E., HVAC EQUIP.
2. REFER TO SITE PLAN SHEET FOR LOCATIONS OF ADDITIONAL LIGHTING COMPONENTS.
3. DRAWINGS ARE SCHEMATIC ONLY, AND ARE NOT INTENDED TO DEPICT A COMPLETE ELECTRICAL SYSTEM. CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIAL REQ'D FOR A COMPLETE WORKING ELECTRICAL SYSTEM IN ACCORDANCE WITH APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION.
4. NOTIFY BUILDER FOR FIELD VERIFICATIONS AND APPROVAL OF FINAL LOCATIONS OF SWITCHES, LIGHT FIXTURES, AND ELECTRICAL OUTLETS PRIOR TO WIRING. BUILDER RESERVES THE RIGHT TO CHANGE LOCATIONS OF ELECTRICAL SYSTEM COMPONENTS.
5. ALL ELECTRICAL SWITCHES, OUTLETS, ETC. TO BE INSTALLED ABOVE FLOOD ELEVATION 9+10'-0" NSVD)
6. PROVIDE AND INSTALL LOCALLY CERTIFIED SMOKE DETECTORS AS REQUIRED BY NATIONAL ELECTRIC CODE (NEC) AND MEETING THE REQUIREMENTS OF ALL GOVERNING CODES.

- ELECTRICAL PLAN
-
- SCALE : 1/4" = 1'-0"