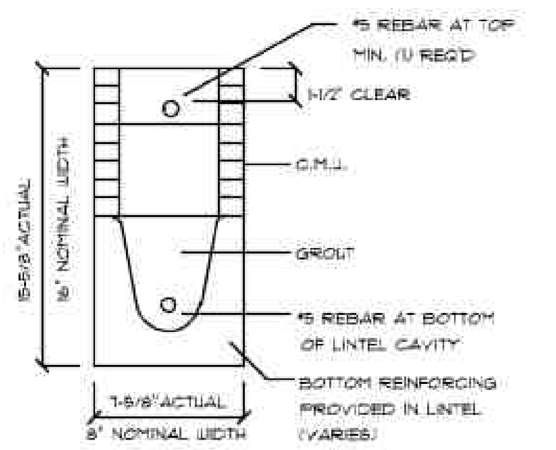
TYPE DESIGNATION

8F16-1B/1T

- F = FILLED WITH GROUT / U = UNFILLED
- QUANTITY OF #5 REBAR AT BOTTOM OF LINTEL CAVITY
- NOMINAL WIDTH
- NOMINAL HEIGHT
- QUANTITY OF #5 REBAR AT TOP



DETAIL A/3

PRE-CAST LINTEL OVER GARAGE DOOR

PRE-CAST LINTELS @ LANAI COLUMNS

8" PRECAST & PRESTRESSED U-LINTELS

MARK	LENGTH		TYPE	SUB	GRAVITY 8F8-OB / 8F8-1B	8F12-OB / 8F12-1B	8F16-OB / 8F16-1B	8F20-OB / 8F20-1B	8F24-OB / 8F24-1B	8F28-OB / 8F28-1B	8F32-OB / 8F32-1B
L1	2'-10"	(34")	PRECAST	2302	3166	4473	6039	7526	9004	10472	11936
					3166	4473	6039	7526	9004	10472	11936
L2	3'-6"	(42")	PRECAST	2302	3138	3377	4689	6001	7315	8630	9947
					3166	4473	6039	7526	9004	10472	11936
L3	4'-0"	(48")	PRECAST	2025	2325	2456	3467	4438	5410	6384	7358
					2646	4473	6039	7526	9004	10472	11936
L4	4'-6"	(54")	PRECAST	1651	1787	1913	2657	3403	4149	4896	5644
					2170	4027	6039	7526	9004	10472	9668
L5	5'-4"	(64")	PRECAST	1184	1223	1301	1809	2317	2826	3336	3846
					1665	2888	5057	6096	5400	6424	7450
L6	5'-10"	(70")	PRECAST	972	1000	1098	1474	1888	2304	2721	3137
					1458	2464	4144	5458	4437	5280	6122
L7	6'-6"	(78")	PRECAST	937	1255	2101	3363	2746	3358	3971	4585
					1255	2101	3386	5260	7134	8995	6880
L8	7'-6"	(90")	PRECAST	767	1029	1679	2385	1994	2439	2886	3333
					1029	1675	2610	3839	5596	6613	5047
L9	9'-4"	(112")	PRECAST	513	632	1049	1469	1210	1482	1754	2027
					768	1212	1818	2544	3469	4030	3127
L10	10'-6"	(126")	PRECAST	456	483	802	1125	915	1122	1328	1535
					658	1025	1514	2081	2774	3130	2404
L11	11'-4"	(136")	PRECAST	445	598	935	1365	1854	2355	1793	2075
					598	935	1365	1854	2441	3155	4044
L12	12'-0"	(144")	PRECAST	414	545	864	1254	1689	2074	1570	1818
					555	864	1254	1693	2211	2832	3590
L13	13'-4"	(160")	PRECAST	362	427	736	1028	1331	1635	1224	1418
					485	748	1076	1438	1855	2343	2920
L14	14'-0"	(168")	PRECAST	338	381	648	919	1190	1462	1087	1260
					455	700	1003	1335	1714	2153	2666
L15	14'-8"	(176")	PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR
					465	765	1370	2045	2610	3185	3765
L16	15'-4"	(184")	PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR
					420	685	1250	1855	2370	2890	3410
L17	17'-4"	(208")	PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR
					310	530	950	1400	1800	2200	2600
L18	19'-4"	(232")	PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR
					240	400	780	1090	1400	1720	2030
L19	21'-4"	(256")	PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR
					183	330	610	940	1340	1780	2110
L20	22'-0"	(264")	PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR
					160	300	570	870	1250	1660	1970
L21	24'-0"	(288")	PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR
					130	240	470	720	1030	1350	1610

8" PRECAST W/ 2" RECESS DOOR U-LINTELS

MARK	LENGTH		TYPE	8RU6	GRAVITY 8RF6-OB / 8RF6-1B	8RF10-OB / 8RF10-1B	8RF14-OB / 8RF14-1B	8RF18-OB / 8RF18-1B	8RF22-OB / 8RF22-1B	8RF26-OB / 8RF26-1B	8RF30-OB / 8RF30-1B
L22	4'-4"	(52")	PRECAST	1485	1591	3053	3982	3934	4929	5904	6880
					1827	3412	4982	6472	7847	9416	10878
L23	4'-6"	(54")	PRECAST	1357	1443	2782	2714	3600	4487	5375	6264
					1702	3412	4982	6472	7847	9416	10878
L24	5'-8"	(68")	PRECAST	785	832	1602	1950	2088	2566	3075	3585
					1153	2162	4074	6472	6516	5814	6835
L25	5'-10"	(70")	PRECAST	738	779	1500	1449	1924	2400	2876	3352
					1109	2051	3811	6472	6516	5450	6411
L26	6'-8"	(80")	PRECAST	822	807	1677	2933	2576	3225	3872	4522
					907	1677	2933	4100	6730	8177	6707
L27	7'-6"	(90")	PRECAST	665	761	1377	2052	1958	3451	2944	3439
					764	1377	2325	3609	5492	6624	5132
L28	9'-8"	(116")	PRECAST	371	420	834	1053	1071	1342	1614	1886
					535	928	1497	2179	2618	3595	2875

SHOP DWG COORDINATION: THE TRUSS ANCHOR STRAPS AS INDICATED IN THE CONSTRUCTION DOCUMENTS ARE SUGGESTED STRAPS AND THAT THE TRUSS ENGINEERED SHOP DRAWING LOADS TAKE PRECEDENCE OVER THAT INDICATED IN THE CONSTRUCTION DOCUMENTS.
THE UPLIFT LOADS INDICATED FOR EACH TRUSS IN THE ENGINEERED TRUSS SHOP DRAWINGS MAY BE MATCHED TO STANDARD PRODUCT UPLIFT RATINGS FOR COMPARABLE UPLIFT CONNECTORS, AND THAT THE PRODUCTS THAT PROVIDE EQUAL OR GREATER UPLIFT RESISTANCE FOR THE LISTED LOADS MAY BE USED IN LIEU OF THOSE INDICATED IN THE CONSTRUCTION DOCUMENTS OR AS APPROVED BY THE BUILDING OFFICIAL.

THE CONTRACTOR SHALL COORDINATE THE TRUSS TO TRUSS ANCHOR REQUIREMENTS WITH THE TRUSS ENGINEERING SHOP DRAWINGS. SOME OF THE TRUSS TO TRUSS CONNECTIONS WILL REQUIRE ANCHOR STRAPS IN ADDITION TO TYPICAL NAILING. ANCHOR DEVICES SHALL BE REQUIRED FOR ALL JOINTS WITH AN UPLIFT OR GRAVITY LOAD OF 100 LBS OR GREATER.

TRUSSES BEARING ON INTERIOR PARTITIONS WHERE UPLIFT LOADS ARE PRESENT SHALL REQUIRE ANCHORS OF EQUAL OR GREATER LOAD CAPACITY THAN THAT INDICATED BY THE TRUSS SHOP DRAWINGS. THE UPLIFT ANCHOR SYSTEM SHALL BE CONTINUOUS TO THE FOUNDATION.

PROJECT COORDINATION REQUIREMENTS

NOTICE!
THESE PLANS ARE DRAWN FOR AVERAGE SITE CONDITIONS AND COMPLIANCE WITH APPLICABLE CODES AT THE TIME THEY ARE DRAWN. DUE TO VARYING STATE, LOCAL AND NATIONAL CODES RULES AND REGULATIONS, N.P.GEISLER, ARCHITECT CANNOT WARRANT COMPLIANCE WITH ALL APPLICABLE STATE, LOCAL, AND NATIONAL CODES IN YOUR AREA OR WITH YOUR PARTICULAR SITE CONDITIONS. IT IS THE RESPONSIBILITY OF THE PURCHASER AND/OR BUILDER TO SEE THAT THE STRUCTURE IS BUILT IN STRICT COMPLIANCE WITH ALL GOVERNING MUNICIPAL CODES (CITY, COUNTY, STATE, AND FEDERAL). IF YOUR CITY OR STATE REQUIRES AN ENGINEER'S SEAL FOR THE SITE/CIVIL PORTIONS OF THE WORK, YOU WILL NEED TO HAVE THAT DONE LOCALLY BY A QUALIFIED, LICENCED PROFESSIONAL ENGINEER.

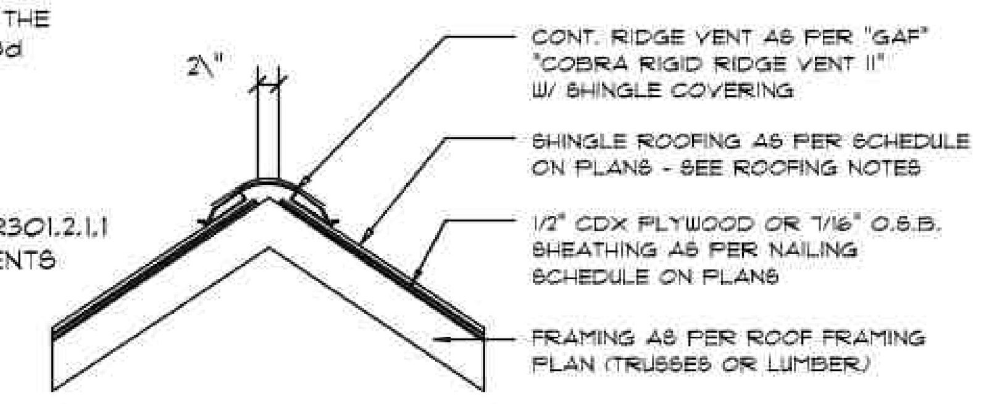
ROOF PLAN NOTES

- R-1 SEE EXTERIOR ELEVATIONS FOR ROOF PITCH
- R-2 ALL OVERHANG 18" UNLESS OTHERWISE NOTED
- R-3 PROVIDE ATTIC VENTILATION IN ACCORDANCE WITH SCHEDULE ON SD.3
- R-4 SEE EXTERIOR ELEVATIONS AND FLOOR PLANS TO VERIFY PLATE AND HEEL HEIGHTS
- R-5 MOVE ALL VENTS AND OTHER ROOF PENETRATIONS TO REAR

NOTE!
SHEATH ROOF W/ 1/2" CDX PLYWOOD PLACED W/ LONG DIMENSION PERPENDICULAR TO THE ROOF TRUSSES, SECURE TO FRAMING W/ 8d NAILS - AS PER DETAIL ON SHEET SD.4

NOTE!
THE DESIGN WIND SPEED FOR THIS PROJECT IS 130 MPH PER 2017 PER R301.2.1.1 AND LOCAL JURISDICTION REQUIREMENTS

AREA OF ATTIC	REQ'D L.F. OF VENT	NET FREE AREA OF INTAKE
1600 SF	20 LF	410 SQ.IN.
1900 SF	24 LF	490 SQ.IN.
2200 SF	28 LF	570 SQ.IN.
2500 SF	32 LF	650 SQ.IN.
2800 SF	36 LF	730 SQ.IN.
3100 SF	40 LF	820 SQ.IN.
3600 SF	44 LF	900 SQ.IN.

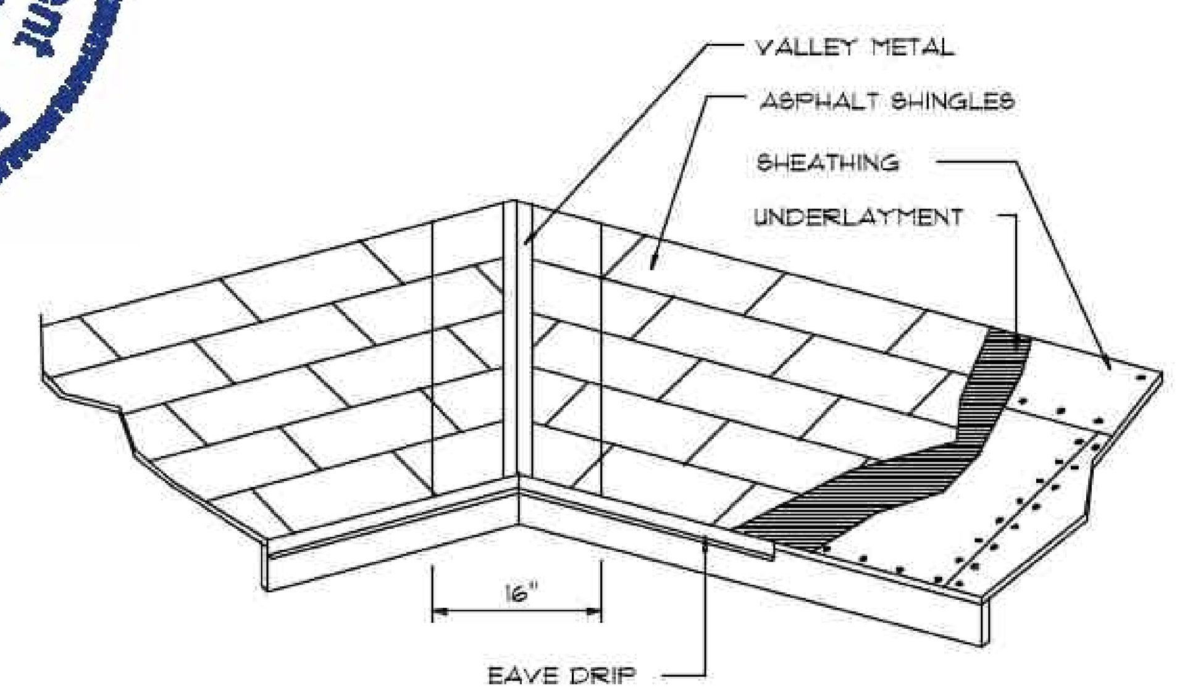


MIAMI/DADE PRODUCT APPROVAL REPORT: #98-0713.05

Ridge Vent DETAIL (B)

SCALE: 3/4" = 1'-0"

Columbia County Building Department
Plans Reviewed for Code Compliance
State of Florida



VALLEY FLASHING

GENERAL TRUSS NOTES:

1. TRUSSES SHALL BE DESIGNED BY A LICENSED ENGINEER, AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE "NATIONAL FOREST PRODUCTS ASSOCIATION" MANUAL FOR "STRESS RATED LUMBER AND IT'S CONNECTIONS", LATEST Ed., ALONG W/ THE "TRUSS PLATE INSTITUTE" SUGGESTED GUIDELINES FOR TEMPORARY AND PERMANENT BRACING, AND HANDLING OF TRUSSES. TRUSS SHOP DRAWINGS SHALL INCLUDE TRUSS DESIGN, PLACEMENT PLANS, DETS. & TRUSS TO TRUSS CONNECTIONS.
2. TRUSS SHOP DRAWINGS SHALL BE SIGNED & SEALED BY THE DESIGNING ENGINEER.
3. FOLLOWING DEVELOPMENT OF TRUSS SHOP DRAWINGS, ADJUSTMENTS TO THE ANCHOR REQUIRMENTS MAY BE REQUIRED DEPENDING ON THE ENGINEERED GRAVITY AND WIND UPLIFT REQUIREMENTS OF TRUSSES OR GIRDERS. THE CONTRACTOR SHALL MAKE AVAILABLE A COMPLETE SET OF TRUSS SHOP DRAWINGS TO THE ARCHITECT FOR THE PURPOSE OF REVIEW OF LOADS IMPOSED ON THE BALANCE OF THE STRUCTURE. ANY SUCH REQUIRED CHANGE SHALL BE INCORPORATED INTO THE CONSTRUCTION OF THIS STRUCTURE.

NOTE!
ALL PENETRATIONS OF THE TOP PLATE OF ALL LOAD BEARING WALLS SHALL BE SEALED WITH FIRE RETARDANT CAULKING, INCLUDING WIRING, PLUMBING OR OTHER SUCH PENETRATIONS. WALLS OVER 8'-0" TALL SHALL HAVE CONTINUOUS BLOCKING TO LIMIT CAVITY HEIGHT TO 8'-0". PENETRATIONS THROUGH SUCH BLOCKING SHALL BE TREATED IN THE SAME MANNER AS TOP PLATES, NOTED ABOVE

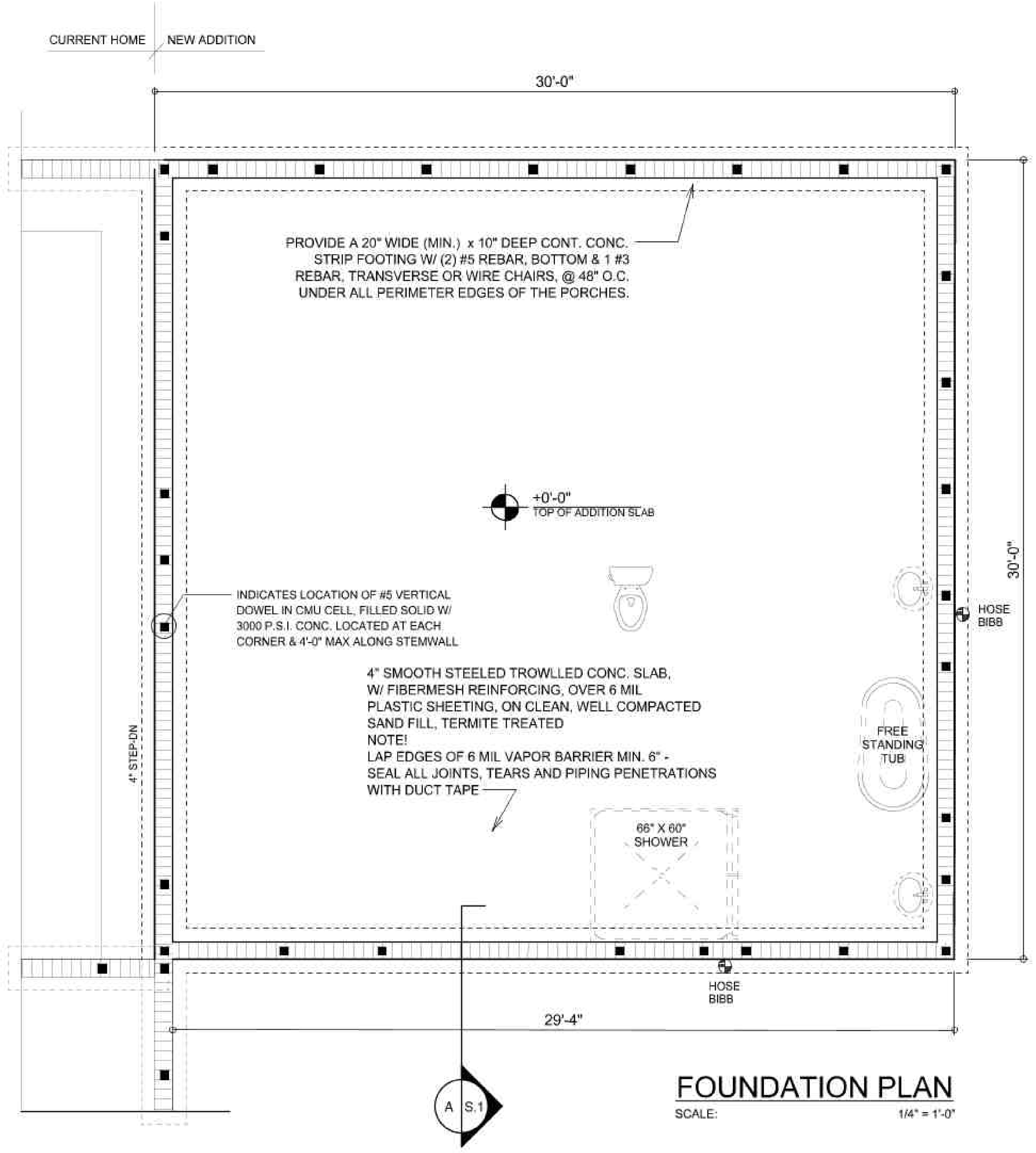
ROOFING METALS for FLASHING/ROOFING

MINIMUM THICKNESS REQUIREMENTS

MATERIAL	MINIMUM THICKNESS (in)	GAGE	WEIGHT (OZ.)
COPPER			16
ALUMINUM	0.024		
STAINLESS STEEL		28	
GALVANIZED STEEL	0.0179	26 (ZINC COATED G90)	
ZINC ALLOY	0.027		
LEAD			40
PAINTED TERNE			20

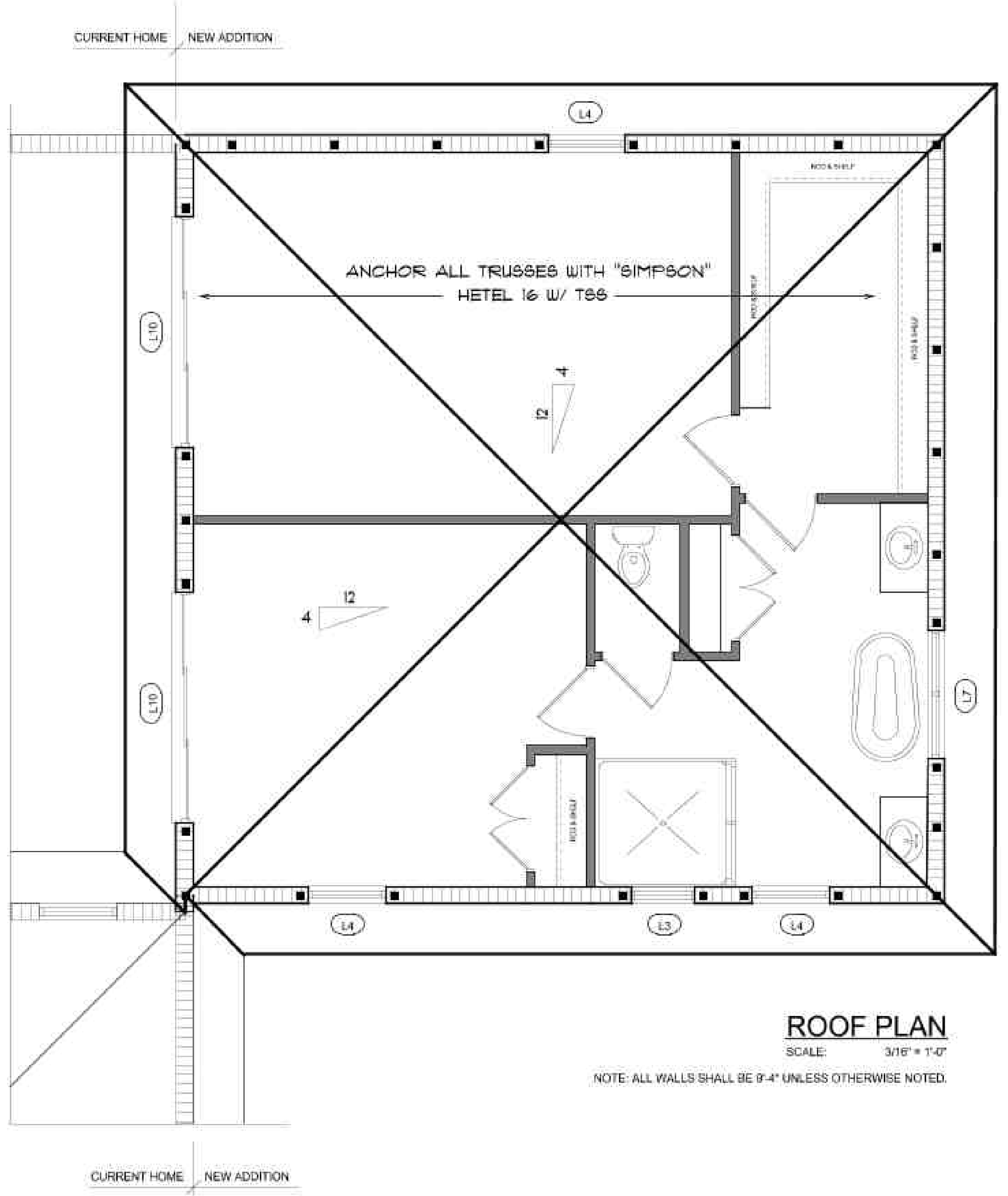
Roofing/Flashing DETS. (A)

SCALE: NONE



FOUNDATION PLAN

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



ROOF PLAN

SCALE: 3/16" = 1'-0"

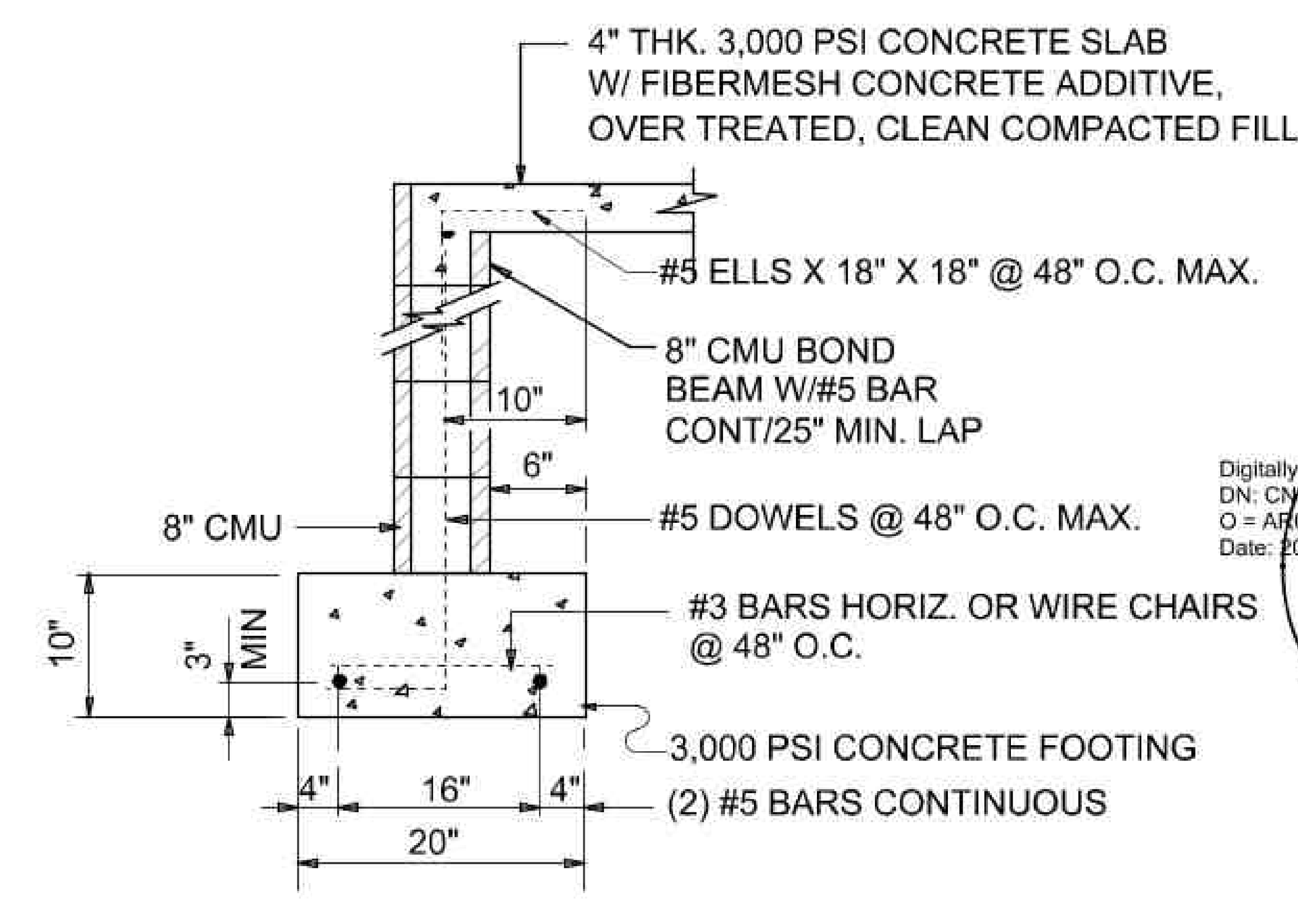
NOTE: ALL WALLS SHALL BE 8" 4" UNLESS OTHERWISE NOTED.

CURRENT HOME NEW ADDITION

CONCRETE / MASONRY / METALS GENERAL NOTES:

1. DESIGN SOIL BEARING PRESSURE: 1000 PSF.
2. EXPANSIVE SOILS: WHERE DIRECTED BY THE SOILS ENGINEER, SOIL AUGMENTATION PER THE SOILS ENGINEER'S SPECIFICATIONS SHALL BE IMPLEMENTED PRIOR TO PLACING ANY FOUNDATIONS - TESTS AS SPECIFIED SHALL BE PREFORMED TO DETERMINE THE SUITABILITY OF THE SUB-GRADE TO SUPPORT THE DESIGN LOADS.
3. CLEAN SAND FILL OVER STRIPPED AND COMPACTED EXISTING GD. SHALL BE PLACED IN 12" LIFTS. BOTH SUB-SOIL AND FILL COMPACTION SHALL BE NOT LESS THAN 98% AS MEASURED BY A MODIFIED PROCTOR TEST AT THE RATE OF ONE TEST FOR EACH 1500 SF OF BUILDING PAD AREA, OR FRACTION THEREOF, FOR EACH 12" LIFT.
4. REINFORCING STEEL SHALL BE GRADE 60 AND MEET THE REQUIREMENTS OF ASTM A615, ALL BENDS SHALL BE MADE COLD.
5. WELDED WIRE MESH SLAB REINFORCING SHALL MEET THE REQUIREMENTS OF ASTM A185 - MIN. YEILD STRESS = 65 KSI.
6. CONCRETE SHALL BE STANDARD MIX F'c = 3000 PSI FOR ALL FTGS, SLABS, COLUMNS AND BEAMS OR SHALL BE STANDARD PUMP MIX F'c = 3000 PSI. STRENGTH SHALL BE ATTAINED WITHIN 28 DAYS OF PLACEMENT. MIXING, PLACING AND FINISHING SHALL BE AS PER ACI STANDARDS.
7. CONCRETE BLOCK SHALL BE AS PER MANUFACTURER'S PRODUCT GUIDE FOR ASTM C-90 REQUIREMENTS WITH MEDIUM SURFACE FINISH - F'm = 1500 PSI.
8. MORTAR SHALL BE TYPE "M" OR "N" FOR ALL MASONRY UNITS.
9. STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 STANDARDS FOR STRENGTH, BOLTS SHALL BE ASTM A307 / GRADE 1 OR A325, AS PER PLAN REQUIREMENTS.
10. WELDS SHALL BE AS PER "AMERICAN WELDING SOCIETY" STANDARDS FOR STRUCTURAL STEEL APPLICATIONS.
11. 2X4 P/T WOOD SILL, CONT., ALL AROUND, W/ 5/8"⌀ A.B. W/ 3" SQ. X 1/4" PLATE WASHERS WITHIN 6" FROM EACH CORNER, EA. WAY, & WITHIN 6" FROM ALL WALL OPENINGS / ENDS - 1/2"⌀ A.B. W/ 2" SQ. WASHERS ALONG EACH RUN @ 48" O.C., MAX. - ALL ANCHOR BOLTS SHALL HAVE A MINIMUM OF 8" EMBEDMENT INTO THE CONCRETE.

NOTE!
PRIOR TO THE CONSTRUCTION OF THE FOUNDATION, THE CONTRACTOR SHALL COORDINATE ANY INTERIOR BEARING LOCATION CONDITIONS PER THE TRUSS ENGINEERED SHOP DRAWINGS WITH THE FOUNDATION PLAN. ANY INTERIOR BEARING LOCATIONS OR ANY POINT LOADS OF 4.0 K OR GREATER SHALL BE SUPPORTED VIA A MODIFIED FOUNDATION PLAN TAKING THESE LOADS INTO CONSIDERATION. THE CONTRACTOR SHALL MAKE THE ENGINEERED TRUSS SHOP DRAWINGS AVAILABLE TO THE ARCHITECT FOR THE PURPOSE OF RENDERING SUCH MODIFICATIONS PRIOR TO POURING ANY CONCRETE.



SECTION (A / S.1)

SCALE: 3/4" = 1'-0

NOTE:
THE DESIGN WIND SPEED FOR THIS PROJECT IS 130 MPH PER 2017 PER R301.2.1.1 AND LOCAL JURISDICTION REQUIREMENTS

NOTE:
ADDED FILL SHALL BE APPLIED IN 8" LIFTS - EA. LIFT SHALL BE COMPACTED TO 98% DRY COMPACTION PER THE "MODIFIED PROCTOR" METHOD.

NOTE:
PLUMBING CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL PLUMBING WORK, INCLUDING ALL PLUMBING LINE LOCATIONS AND RISER DIAGRAM - CONT'R SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER AND 1 COPY TO THE PERMIT ISSUING AUTHORITY.

NOTE:
H.V.A.C. CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL H.V.A.C. WORK, INCLUDING ALL DUCTWORK LOC., SIZES, LINES, EQUIPMENT SCH. & BALANCING REPORT - CONT'R SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

NOTE: ALL DRAWINGS NOT TO BE SCALED, WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS

REVISIONS
April 21, 2020

SOFTPLAN ARCHITECTURAL DESIGN SOFTWARE

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

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

AN ADDITION FOR:
MICHAEL WOODS
PROJECT ADDRESS: 422 Steedley Drive, Lake City, Florida

SPARKS CONSTRUCTION, INC.
LAKE CITY, FLORIDA 32024

Digitally signed by: N. P. GEISLER
DN: CN = N. P. GEISLER C = US
O = AR0007005 OU = ARCHITECT
Date: 2020.04.22 16:09:20 -05'00'
AR0007005

NICHOLAS PAUL GEISLER ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd.
Lake City, FL 32055
(386) 365-4355

JOB NUMBER
20200406

SHEET NUMBER
S.1