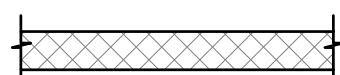
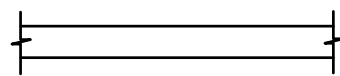


WALL LEGEND

	EXTERIOR WALL 8" REINFORCED CONCRETE MASONRY BLOCK WALL WITH EXTERIOR CEMENTITIOUS SMOOTH FINISH AND 1 LAYER 1/2" DRYWALL ON INTERIOR
	INTERIOR WALL 2x4 WOOD STUDS AT 16" O.C. PROVIDE 1/2" DRYWALL ON EACH SIDE AND SOUND ATTENUATION BATTS IN BETWEEN.

USED 150MPH ON TABLE R301.2.1(1)

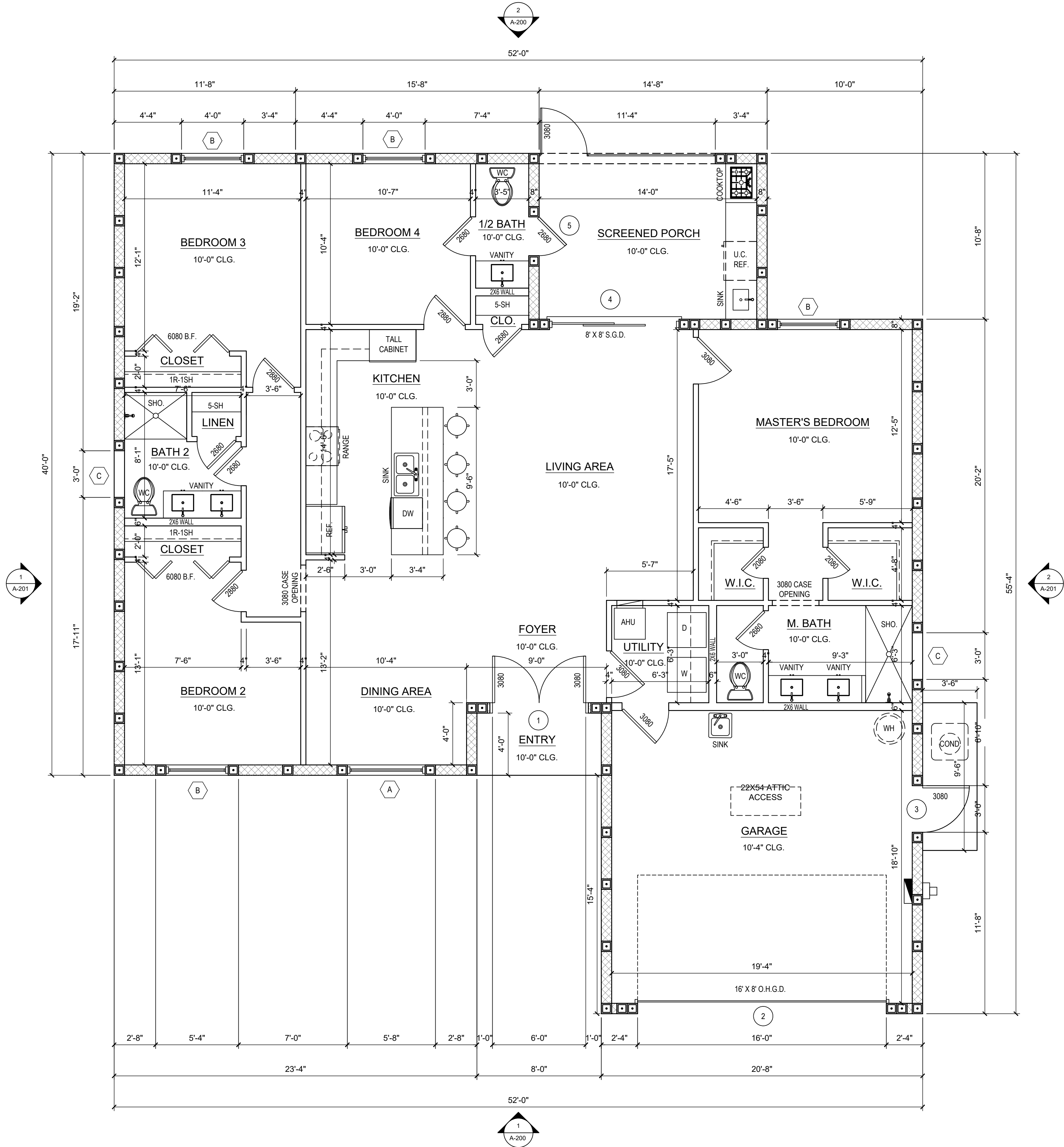
WINDOW & EXTERIOR DOOR SCHEDULE					
CALL #	SQUARE FOOTAGE	DESCRIPTION	ROUGH OPENING	ZONE	PRESSURE
1	48	(2) 3080 FULL LITE DOOR	72" x 96"	4	+21.7 -23.8
2	128	16' X 8' O.H.G.D.	192" x 96"	4	+20.7 -22.7
3	24	3080 DOOR	36" x 96"	4	+21.7 -23.8
4	64	8'-0" x 8'-0" S.G.D.	96" x 96"	4	+20.7 -22.7
5	20	2680 DOOR	30" x 96"	4	+23.2 -25.3
A	25	60" x 60" SH	60" x 60"	4	+21.7 -23.8
B	20	48" x 60" SH	48" x 60"	4	+23.2 -25.3
C	18	36" x 18" FIXED	36" x 72"	4	+23.2 -25.3

DOOR TAG LEGEND:

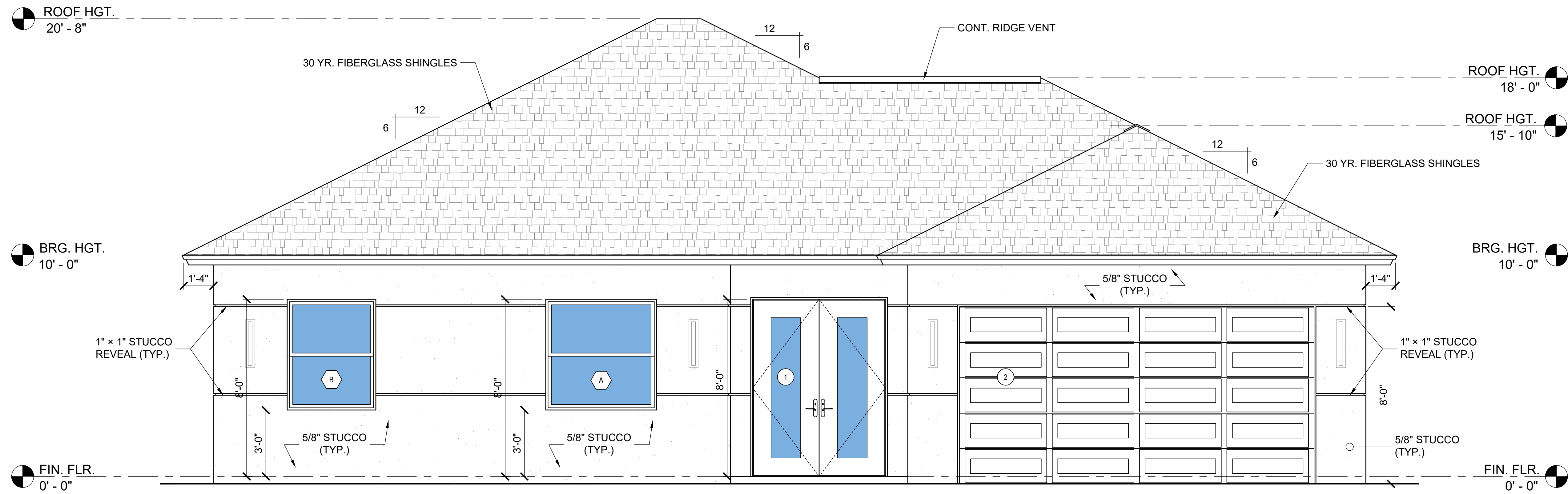
3080 = 3'-0" WIDE X 8'-0" HIGH DOOR
FIRST TWO DIGITS = WIDTH IN FEET AND INCHES (30 = 3'-0")
LAST TWO DIGITS = HEIGHT IN FEET AND INCHES (80 = 8'-0")
PARENTHESES INDICATE QUANTITY, E.G., (2) 3080 = TWO DOORS

SQ.FT. CALC.'S

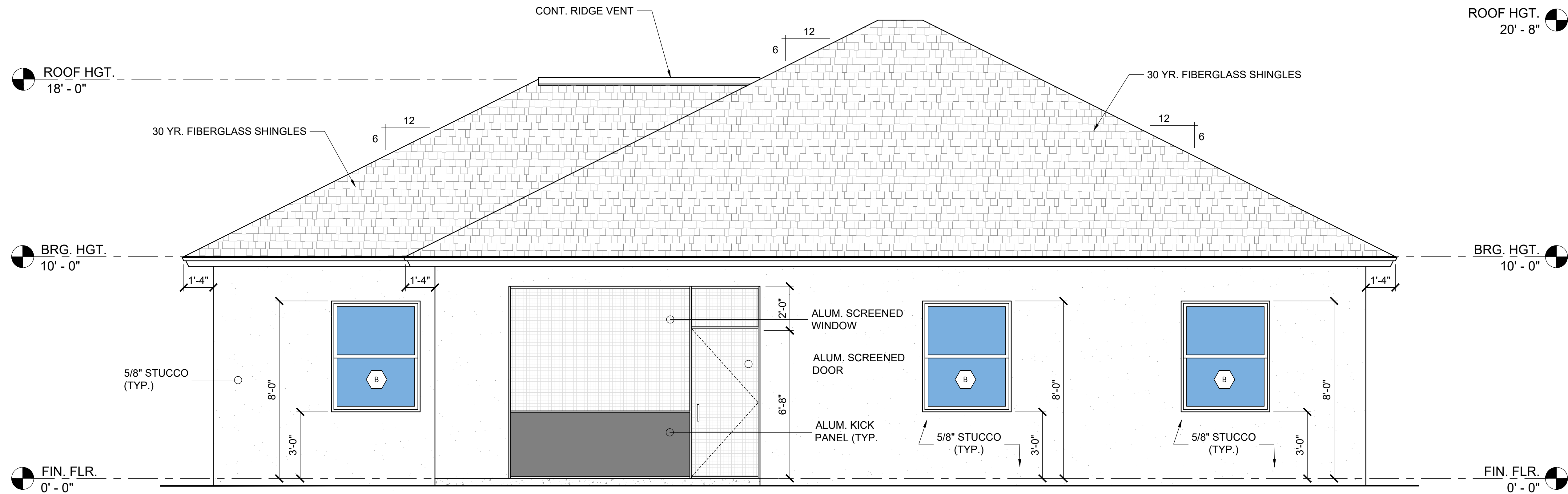
LIVING	1,702	SQ. FT.
ENTRY	32	SQ. FT.
GARAGE	400	SQ. FT.
PORCH	156	SQ. FT.
TOTAL	2,290	SQ. FT.



Z:\Shared\Projects\02_CDS Architectural Projects\26_0617 2531 San Filippo Dr Se Palm Bay\Proposed Single Family Residence\Sheets\26_0617-A-200 EXTERIOR ELEVATIONS



1 FRONT ELEVATION
A-200 SCALE: 3/8" = 1'-0"



2 REAR ELEVATION
A-200 SCALE: 3/8" = 1'-0"



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PROJECT NAME:
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2531 SAN FILIPPO DR SE
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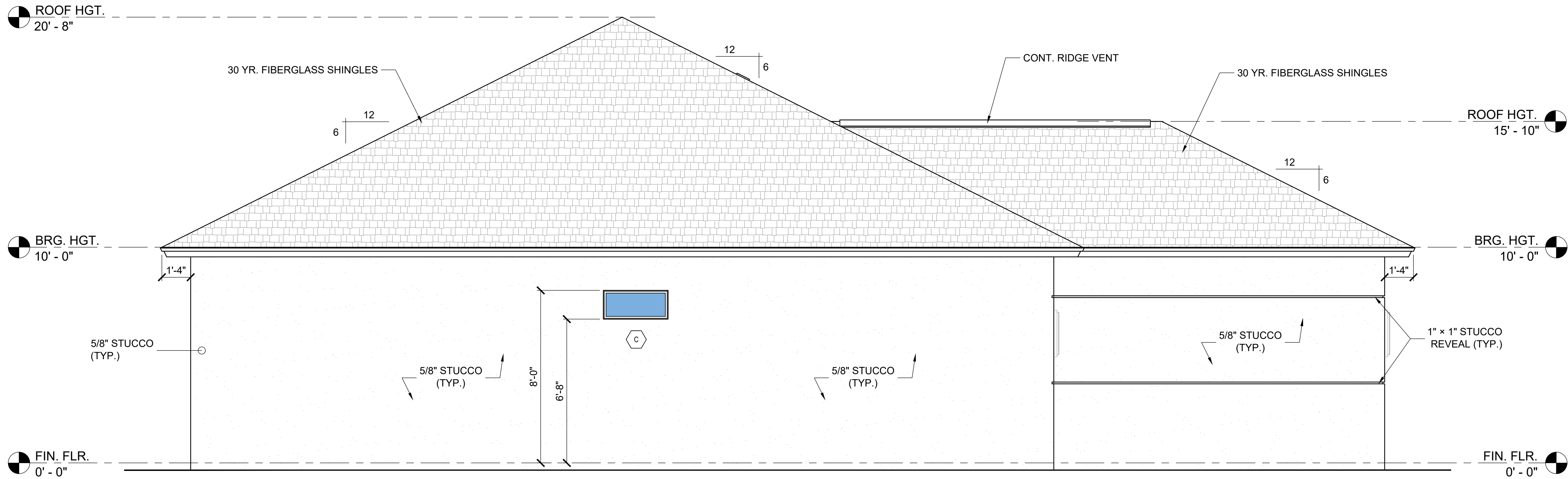
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EXTERIOR ELEVATIONS

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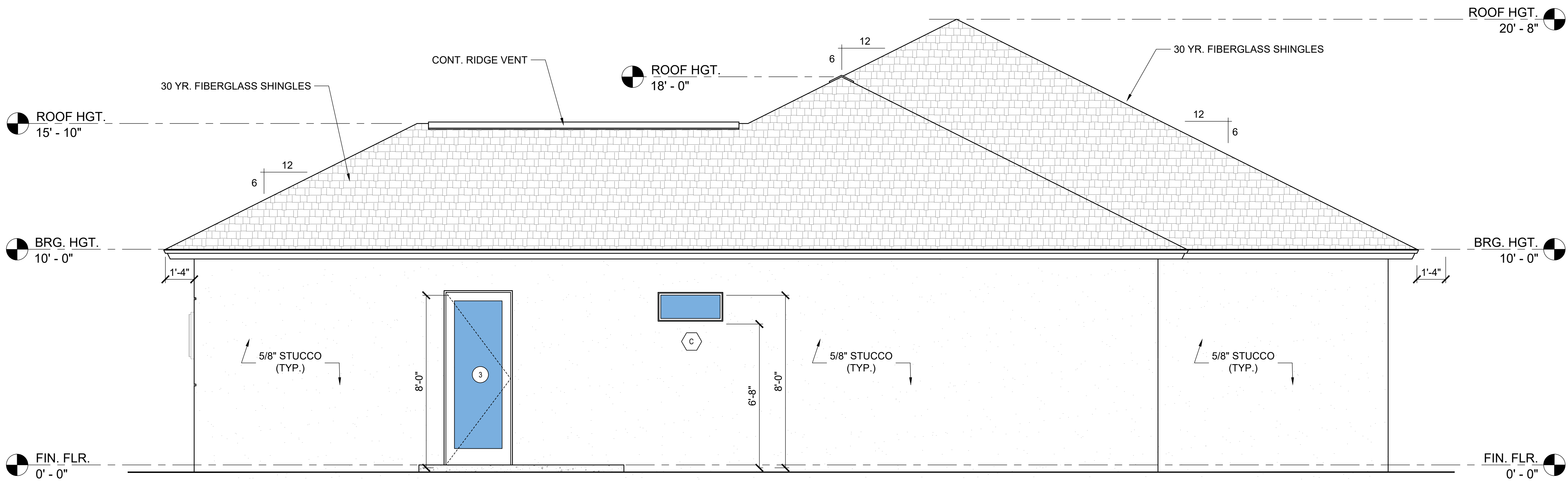
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1 LEFT ELEVATION
A-201 SCALE: 3/8" = 1'-0"



2 RIGHT ELEVATION
A-201 SCALE: 3/8" = 1'-0"



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SHEET TITLE:
EXTERIOR ELEVATIONS

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FOUNDATION NOTES

- SEE SLAB SCHEDULE FOR SLAB REQUIREMENTS. SEE GENERAL NOTES FOR COMPACTING REQUIREMENTS.
- TOP OF FINISHED SLAB SHALL BE $\pm 0'-0"$.
- COLUMN AND FOOTING CENTERLINES, SHALL COINCIDE UNLESS DIMENSIONED OTHERWISE.
- REFERENCE ELEVATION $\pm 0'-0"$, SEE SURVEY PLOT FOR NGVD.
- PROVIDE A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. TREATMENT SHOULD BE IN ACCORDANCE WITH THE RULES AND LAWS AS ESTABLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES.
- PROVIDE ISOLATION JOINTS BETWEEN INTERIOR AND EXTERIOR SLABS ON GRADE: PROVIDE $1/2"$ FELT PAPER AT THE JOINT.
- COORDINATE SLAB ELEVATIONS, STEPS, AND SLOPES WITH ARCHITECTURAL DRAWINGS.
- SEE ARCHITECTURAL DRAWINGS FOR THE ORIENTATION OF THE BUILDING.
- WINDOWS, DOORS AND ROUGH OPENINGS ARE TO BE COORDINATED WITH THE WINDOW/DOOR TYPES AND LOCATIONS NOTED ON THE ARCHITECTURAL DRAWINGS AND WITH THE MANUFACTURES SPECIFICATIONS.
- SEE ARCHITECTURAL DRAWINGS FOR WALKWAY SLAB LAYOUT.
- INDICATED #5 BAR, INDICATES #6 BAR, INDICATES #7 BAR VERTICAL REINFORCING BAR IN CELLS FILLED WITH GROUT. ENDS OF REINF. BARS SHALL BE HOOKED INTO FOUNDATION BOND BEAM OR TIE BEAMS WITH AN ACI STANDARD 90° HOOK. BARS SHALL BE PLACED AS SHOWN IN HE PLANS.
- SPLICES IN REINFORCING BARS SHALL NOT BE LESS THEN 48 BAR DIAMETERS (#5 = $30"$, #6 = $36"$), AND REINFORCING SHALL BE CONTINUOUS.
- RATIONAL ANALYSIS WAS PERFORMED TO DETERMINE SIZE AND STEEL REINFORCING FOR ALL FOUNDATIONS. DESIGNED WAS BASED ON ALL ALLOWABLE SOIL BEARING CAPACITY OF PSF. TRANSFER REINFORCING (TOP STEEL) HAS BEEN DELETED UNLESS NOTED OTHERWISE.
- VERTICAL REINFORCING IN CMU SHALL BE #5'S AS SHOWN ON THIS PLAN, UNLESS OTHERWISE NOTED IN THE PLAN. ONE REINFORCING BAR SHALL BE:
A) IN ALL WALL INTERSECTIONS
B) CHANGES IN ELEVATION
C) EACH SIDE OF ALL OPENINGS
D) ALL CORNERS
- STRUCTURAL DESIGN IS IN ACCORDANCE WITH TMS 402/602-16, BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES AND THE COMMENTARY. CONSTRUCTION SHALL BE IN ACCORDANCE WITH TMS 402/602-16, USING: F'm = 1,500 PSI, TYPE "M" OR "S" MORTAR, ASTM C476 GROUT (3000 PSI), UNITS LAID IN RUNNING BOND.
- TWO LAYERS OF $6 \times 6"$ w1.4Xw1.4 WWM SHALL BE PLACED A MIN. 5' OFF PERIMETER OF SLAB EDGE. WIRE WELDED MESH LOCATED IN THE MIDDLE TO UPPER $\frac{1}{3}$ OF SLAB SUPPORTED $3'-0"$ O/C MAX.
- ONE OF THE FOLLOWING FORMS OF CRACK CONTROL SHALL BE USED:
a. CONTRACTION JOINTS. IF CONTRACTION JOINTS ARE USED, THEY SHALL BE TOOLED OR CUT IN THE SLAB A MIN. OF 1". SAW CUTS ARE TO BE MADE WITHIN 24HOUR OF CONCRETE PLACEMENT. CONTRACTION JOINTS IN A $3.5"$ SLAB SHALL BE PLANCE A MAX. OF 8 FEET IN BOTH DIRECTIONS.
b. $6 \times 6"$ w1.4Xw1.4 WWM.
c. MICRO OR MACRO SYNTHETIC FIBER REINFORCEMENT. FIBER LENGTHS SHALL BE $\frac{1}{2}"$ TO $2 \frac{1}{4}"$ IN LENGTH. DOSAGE AMOUNTS ARE TO BE FROM 1.0 TO 3.0 IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. SYNTHETIC FIBERS SHALL COMPLY WITH ASTM C1116/C1116M. THE MANUF. SHALL PROVIDE CERTIFICATION OF COMPLIANCE BY REQUEST.
- A SPECIAL INSPECTOR SHALL INSPECT ALL REINFORCED MASONRY STRUCTURE AS REQUIRED BY FBC 2122.2.4, SAID INSPECTOR SHALL ONLY BE AN ARCHITECT, ENGINEER, OR THEIR DULY AUTHORIZED QUALIFIED REPRESENTATIVE.

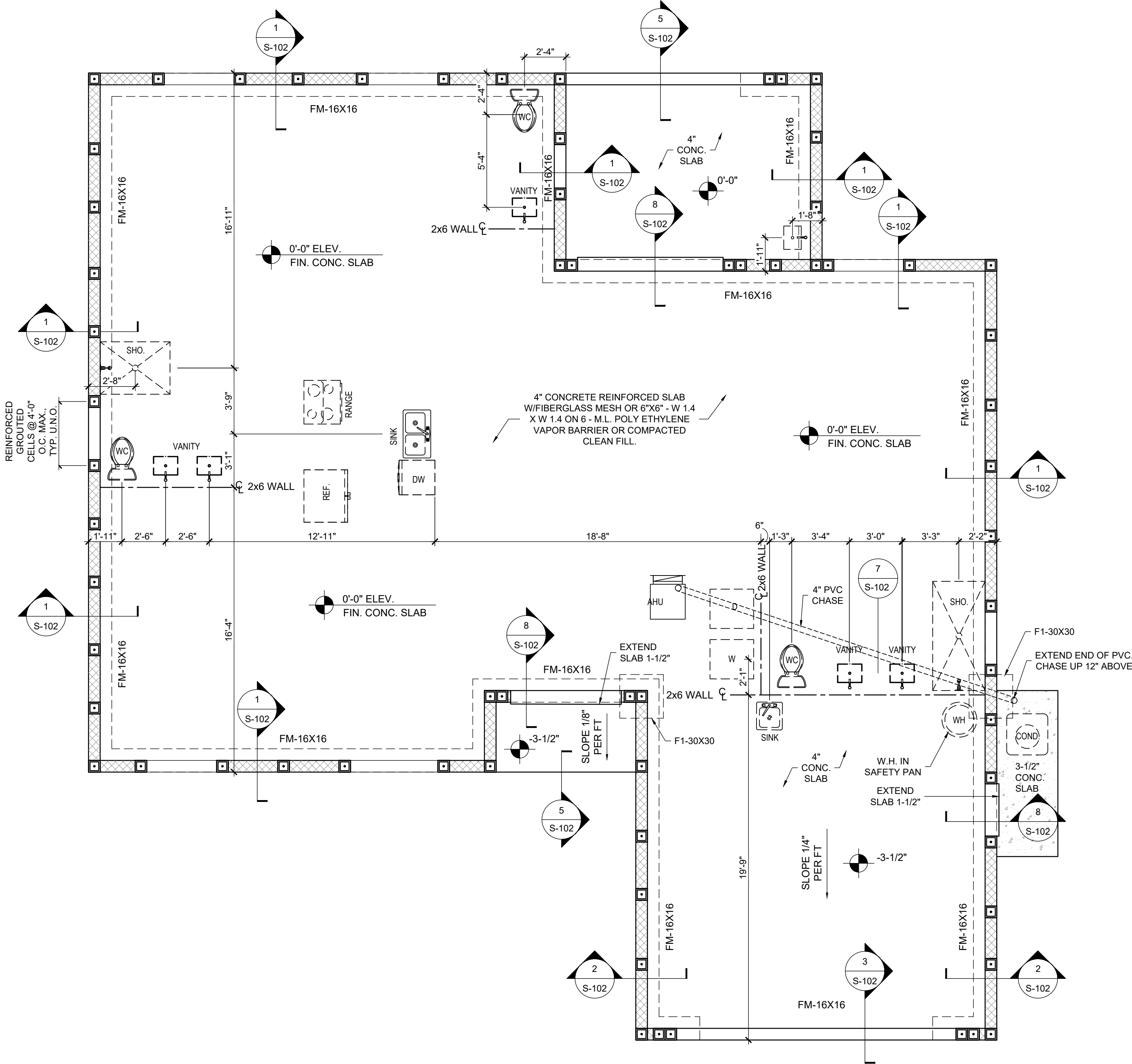
INSPECTOR NOTE:

- STRUCTURE WAS DESIGNED BASED ON THE 2023 FLORIDA RESIDENTIAL BUILDING CODE, RESIDENTIAL, 8th EDITION 2023

FOOTING SCHEDULE

PROVIDE CORNER BARS, SAME SIZE QUANTITY AS BARS IN FOUNDATION, WITH $30"$ LEG EACH WAY.

MARK	WIDTH	LENGTH	THICKNESS	BOTTOM REINF.		TOP REINF.	T.O.F.
				SHORT	LONG		
FM-16X16	16"	CONTINUOUS	16"	-	(2)#5	-	(+)'0'-0"
F1-30X30	30"	30"	12"	(3)#5	(3)#5	-	(-)0'-8"



1

FOUNDATION PLAN

S-101

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



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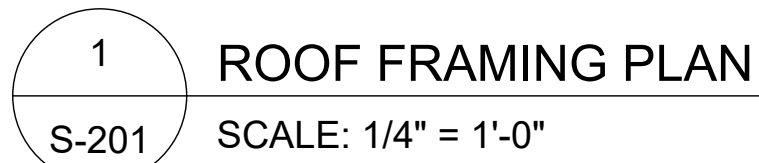
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1. U.N.O. ALL STRAPS FOR ROOF TRUSSES TO BE CONCRETE TO WOOD ROOF SIMPSON STEELT2 W/ (14) 10d x 1 1/2" HDG NAILS. CONCRETE TO WOOD FLOOR: SIMPSON LT2 W/ (8) 10d x 1 1/2" HDG NAILS, WOOD TO WOOD: SIMPSON #10A OR LT2 W/ 10d x 1 1/2" HDG NAILS, FILL ALL HOLES.
2. ALL PLYWOOD FOR WALL AND ROOF SHEATHING IS TO BE PER FASTENER SCHEDULE.
3. ALL PLYWOOD FOR FLOOR SHEATHING SHALL BE PER FASTENER SCHEDULE MEETING THE REQUIREMENTS OF AG-01 AND APPLIED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
4. ALL NAILS FOR TRUSS TO BEAM AND TRUSS TO TRUSS METAL CONNECTORS ARE TO BE GALVANIZED.
5. LINTELS AND MASONRY BEAMS WERE DESIGNED BASED ON CAST-CRETE, CONNECTORS ARE TO BE GALVANIZED.
6. LINTELS AND MASONRY BEAMS WERE DESIGNED BASED ON CAST-CRETE CONCRETE LINTELS.
7. BOTTOM OF LINTELS ARE TO BE PLACED AT TOP OF WINDOW, DOOR AND CLEAR SPAN OPENINGS.
8. LINTELS SHALL HAVE 4" NOMINAL BEARING (4").
9. THE TRUSS FRAMING SHOWN IS SCHEMATIC IN NATURE. HOWEVER THE SUPPORTING STRUCTURE HAS BEEN DESIGNED UNDER THE ASSUMPTION THE FRAMING SCHEME SHOWN WILL CLOSELY PARALLEL FINAL TRUSS DESIGNER'S LAYOUT. SUBMIT FINAL TRUSS DRAWINGS FOR THE ENGINEER'S REVIEW AND APPROVAL.
10. PLACE 2x4 PT TO ALIGN WITH TOP AND BOTTOM CHORDS OF ROOF TRUSSES SECURE 2x MEMBERS TO WALL WITH HLTI X-ZF. POWDER ACTUATED FASTENER, ZF 72 P8336, .177" x 2 7/8" LONG, WITH WASHER @ 16" O.C.
11. TRUSS REACTIONS AND UPLIFTS SHOWN ARE THE SAME ON EACH END UNLESS OTHERWISE SHOWN DIFFERENT.
12. WOOD BEARING WALLS AND HEADERS HAVE BEEN DESIGNED BASED ON RATIONAL ANALYSIS.
13. ALL ELEVATIONS ARE REFERENCED FROM 0'-0", FINISH FLOOR, UNLESS NOTED OTHERWISE.

			SAFE GRAVITY LOAD POUNDS PER LINEAR FOOT			UPLIFT	
#	LENGTH	TYPE	8U8	8F8-0B 8F8-1B	8F16-0B 8F16-1B	8F8-1T 8F8-2T	8F16-1T 8F16-2T
L-1	17'-4" (208")	PRESTRESSED	N.R.	NR	NR	187	405 (28)
				300	950	192	506 (8)
L-2	9'-4" (112")	PRECAST	326	699	1625	591	1136 (34)
				752	1843	591	1318
L-3	9'-4" (112")	PRECAST	326	699	1625	591	1136 (34)
				752	1843	591	1318
L-4	6'-6" (75")	PRECAST	507	1238	3480	835 ⁽¹²⁾	1668 ⁽²¹⁾
				1238	3480	835	1668
L-5	5'-4" (64")	PRECAST	411	1349	1999	1016	2276 ⁽⁴⁾
				1663	5365	1016	2276
L-6	4'-6" (56")	PRECAST	592	1969	2931	1207	2707
				2189	6113	1207	2707
L-7	5'-4" (64")	PRECAST	411	1349	1999	1016	2276 ⁽⁴⁾
				1663	5365	1016	2276
L-8	5'-4" (64")	PRECAST	411	1349	1999	1016	2276 ⁽⁴⁾
				1663	5365	1016	2276
L-9	4'-0" (48")	PRECAST	765	2561	3820	1363	3060
				2693	6113	1363	3060
L-10	12'-0" (144")	PRECAST	337	540	873	1254	1684
				540	873	1254	1684
L-11	10'-6" (126")	PRECAST	284	535	1247	530	916 (33)
				643	1533	530	1180 (8)
L-12	5'-4" (64")	PRECAST	411	1349	1999	1016	2276 ⁽⁴⁾
				1663	5365	1016	2276
L-13	4'-6" (56")	PRECAST	592	1969	2931	1207	2707
				2189	6113	1207	2707
L-14	4'-6" (56")	PRECAST	592	1969	2931	1207	2707
				2189	6113	1207	2707



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ROOF FRAMING PLAN

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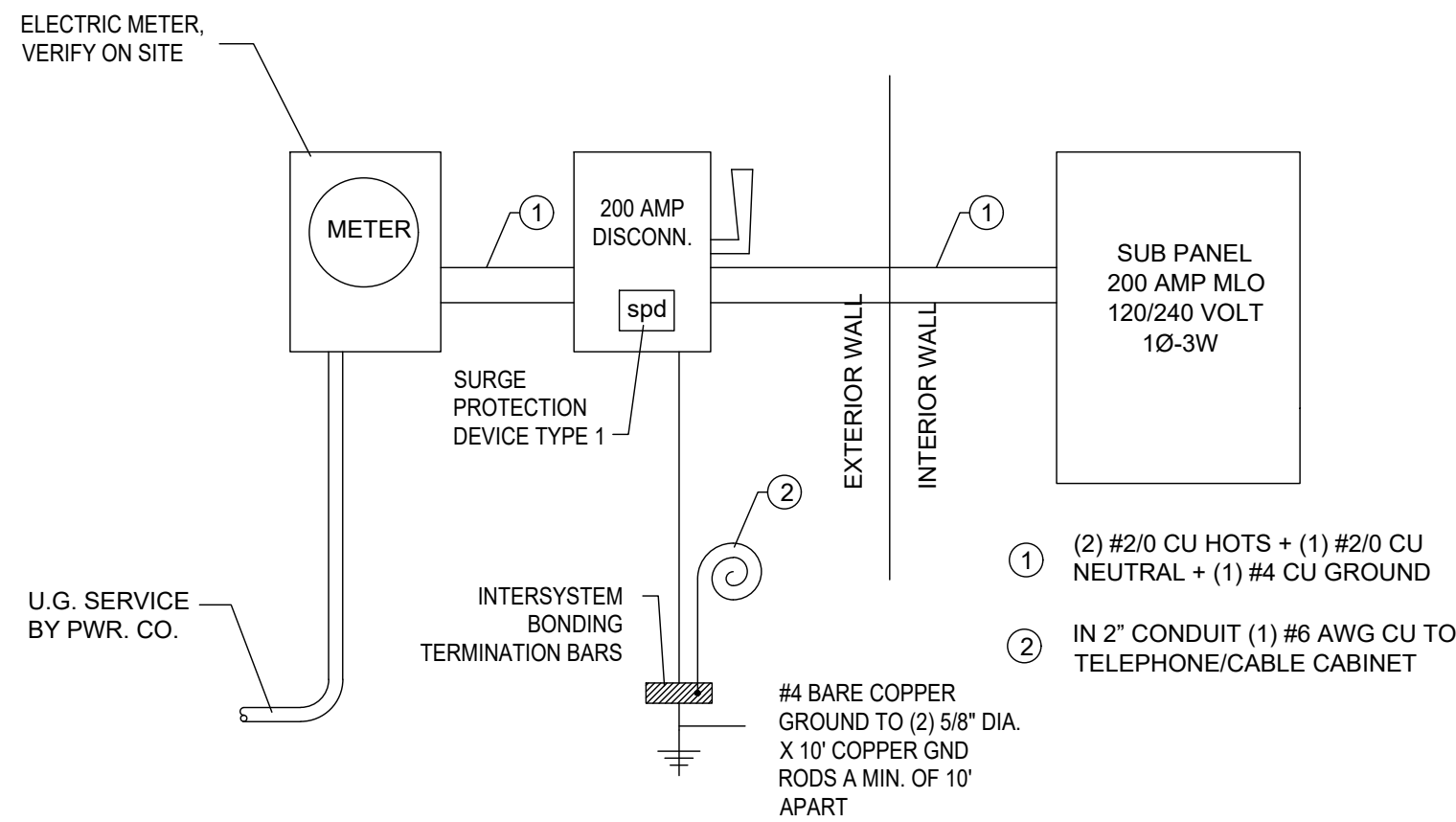
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Z:\Shared\Projects\02_CDS Architectural Projects\26_0617 2531 San Filippo Dr Se Palm Bay\Proposed Single family Residence\Sheets\26_0617-E-101 ELECTRICAL PLAN

ELECTRICAL NOTES

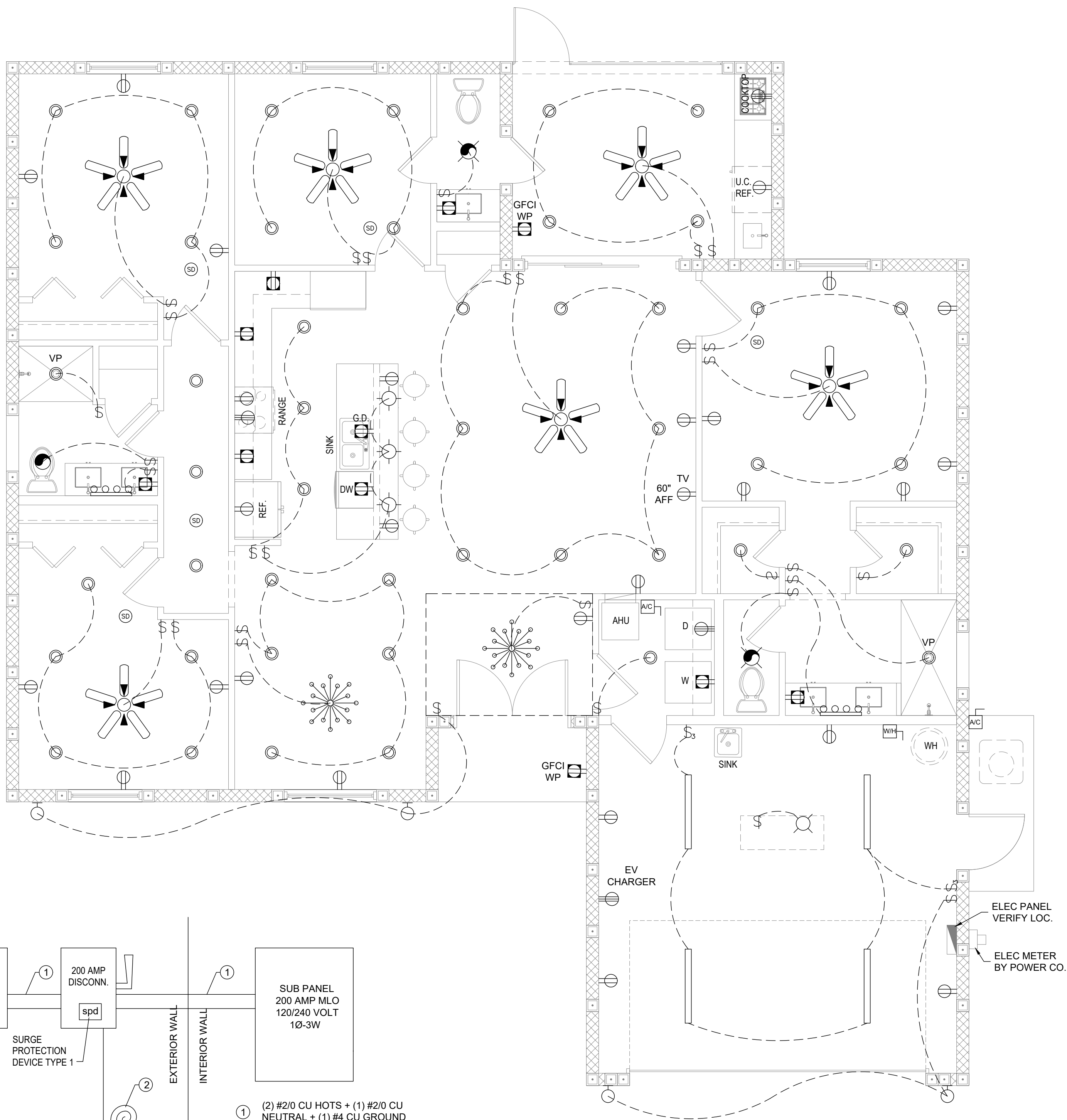
- THE ENTIRE INSTALLATION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NFPA 70), THE LATEST EDITIONS OF ALL LOCAL CODES, RULES AND ORDINANCES HAVING JURISDICTION, AND THE 2023 FLORIDA BUILDING CODE (FBC), 8TH EDITION ELECTRICAL PROVISIONS.
- ALL EQUIPMENT, DEVICES AND ELECTRICAL EQUIPMENT MUST BE APPROVED BY UNDERWRITERS LABORATORY (U.L.), OR ANY NATIONAL RECOGNIZED TESTING AGENCY.
- IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. THE CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS NECESSARY FOR EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
- CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THERE BY.
- ALL REQUIRED INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
- A. ALL CONDUCTORS SHALL BE COPPER TYPE THAN OR AN ALUMINUM EQUAL ALTERNATIVE EXCEPT AS OTHERWISE NOTED.
B. MINIMUM WIRE SIZE SHALL BE #14 A.W.G. UNLESS OTHERWISE NOTED.
C. LOAD CENTERS AND PANEL BOARDS
a. CURRENT CARRYING BUSSES SHALL BE COPPER. GROUND BUS BARS SHALL BE COPPER.
b. ALL CIRCUIT BREAKERS INSTALLED IN PANELBOARDS SHALL BE BOLT-ON.
c. ALL CIRCUIT BREAKERS INSTALLED IN LOAD CENTERS SHALL BE PLUG-IN.
d. ALL 120-VOLT, SINGLE-PHASE, 15- AND 20-AMPERE BRANCH CIRCUITS SUPPLYING OUTLETS INSTALLED IN DWELLING UNITS (FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUN ROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, OR SIMILAR ROOMS OR AREAS) SHALL BE PROTECTED BY A LISTED ARC-FAULT CIRCUIT INTERRUPTER COMBINATION-TYPE INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT.
e. ALL CIRCUIT BREAKERS FEEDING MECHANICAL EQUIPMENT SHALL BE HACR TYPE CIRCUIT BREAKERS.
f. A.I.C. RATINGS SHALL BE AS INDICAT ON PANELBOARD SCHEDULES.
- WIRING METHODS:
A. SCHEDULE 40 PVC CONDUIT WITH FITTINGS AND COUPLINGS APPROPRIATE FOR THE USE, SHALL BE INSTALLED UNDERGROUND OR BELOW SLAB ON GRADE.
B. ELECTRICAL NONMETALLIC TUBING (EMT) WITH FITTINGS AND COUPLINGS APPROPRIATE FOR THE USE IS ACCEPTABLE FOR USE WITH INTERIOR BRANCH CIRCUIT WIRING CONCEALED IN WALLS OR ABOVE SUSPENDED CEILING AND AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
C. TYPE AC (METAL CLAD) CABLE WITH ALUMINUM ARMOR AND INTERNAL GROUND IS ACCEPTABLE FOR USE AS GENERAL BRANCH CIRCUIT WIRING FOR CIRCUITS 60 AMPS OR LESS AND CONCEALED IN WALLS OR ABOVE SUSPENDED CEILING AND AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
D. TYPE NM (NONMETALLIC SHEATH) CABLE WITH INTERNAL GROUND IS ACCEPTABLE FOR USE AS GENERAL BRANCH CIRCUIT WIRING FOR CIRCUITS AND CONCEALED IN WALLS OR ABOVE CEILING AND AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- PROVIDE GROUND FAULT CIRCUIT INTERRUPTER PROTECTION (GFCI) AS PER NEC 210-8(A). THIS SHALL INCLUDE BATHROOMS, GARAGES, OUTDOOR RECEPTACLES, KITCHENS AND AT WET BAR SINKS ARE, AS APPLICABLE.
- PROVIDE COMBINATION TYPE ARC FAULT PROTECTION CIRCUIT BREAKER (AFCI) FOR OUTLETS INSTALLED IN ALL DWELLING UNITS ROOMS EXCEPT FOR KITCHENS, BATHROOM, GARAGE, UNFINISHED BASEMENTS AND ROOMS OR AREAS NOT SPECKED IN SECTION 210-12. PROVIDE DEDICATED NEUTRAL WIRE FOR EACH ARC FAULT CIRCUIT BREAKER.
- ELECTRICAL DEVICES SHALL BE MOUNTED AS NOTED BELOW UNLESS SPECIFICALLY NOTED OTHERWISE: A. GENERAL PURPOSE RECEPTACLES: 18" AFF TO BOTTOM OF FIXTURE B. LIGHT SWITCH: 44" AFF TO BOTTOM OF FIXTURE
- ALL RECEPTACLES SHALL BE TAMPER RESISTANCE.

OPTIONAL SINGLE-FAMILY DWELLING LOAD CALCULATION			
NEC 220.82 OPTIONAL METHOD			
2418	GENERAL LIGHTING	SF x 3 VA	7,254
2	SMALL APPLIANCE BRANCH CIRCUITS	QTY x 1500	3,000
1	LAUNDRY BRANCH CIRCUIT	QTY x 1500	1,500
1	CLOTHES DRYER		5,000
1	WATER HEATER		4,500
1	DISHWASHER		1,000
1	GARBAGE DISPOSAL		900
1	MICROWAVE		1,600
1	ELECTRIC RANGE		9,000
	TOTAL CONNECTED GENERAL LOAD		33,754
	FIRST 10,000 VA @ 100%		10,000
	REMAINING LOAD @ 40%		9,502
	GENERAL DEMAND LOAD		19,502
	AIR HANDLING UNIT (AHU) W/ 10K V/HEATSTRIP	@ 65%	6,500
	CONDENSING UNIT (CU)		7,800
	COMBINED HVAC LOAD		14,300
	GENERAL DEMAND LOAD		19,502
	COMBINED HVAC LOAD		14,300
	NET CALCULATED LOAD		33,802
	CALCULATED CURRENT (VA / 240V)		141
	PROVIDED CURRENT (A)		200
NEUTRAL CALCULATION:			
	ALL LOADS EXCEPT RANGE, CLOTHES DRYER AND WATER HEATER		15,254
	ELECTRIC RANGE	@ 70%	6,300
	CLOTHES DRYER	@ 70%	3,500
	TOTAL		25,054
	NEUTRAL DEMAND (VA / 240V)		104



ELECTRICAL RISER

1
E-101
ELECTRICAL PLAN
SCALE: 1/4" = 1'-0"



LEGEND:

LIGHTING/EXHAUST FANS

- CAN LIGHT FIXTURE
- VP VAPOR PROOF RECESSED LIGHT FIXTURE - U.L. APPROVED
- FLUORESCENT LIGHT FIXTURE 1X4, SURFACE MOUNT.
- CEILING MOUNT CHANDELIER
- PENDANT LIGHT FIXTURE
- CEILING MOUNT LIGHT FIXTURE
- WALL MOUNT MULTI-LIGHT FIXTURE (SIZE AS SHOWN)
- WALL MOUNT LIGHT FIXTURE
- EXHAUST FAN - 50 CFM MIN VENTED TO OUTSIDE AIR
- EXHAUST FAN W/ LIGHT - 50 CFM MIN VENTED TO OUTSIDE AIR
- FAN, DOUBLE SWITCH W/LIGHT KIT

SWITCHES

- SWITCH, SINGLE POLE.
- 3-WAY SWITCH.

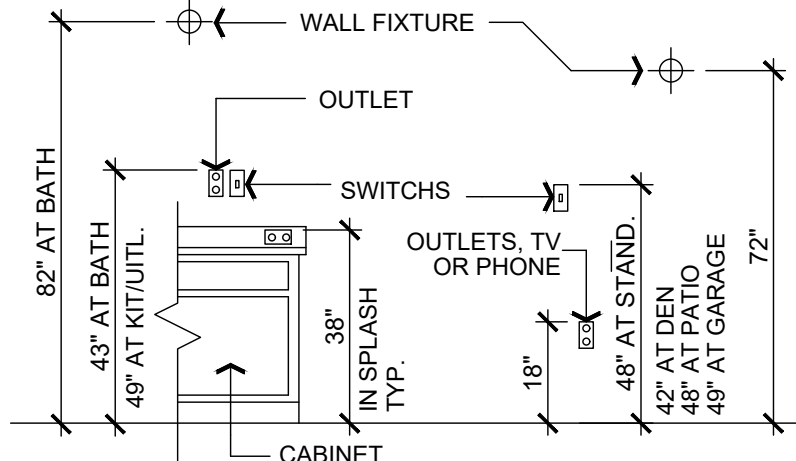
OUTLETS

- 120 V CONV DUPLEX OUTLET
- 120 V CONV DUPLEX OUTLET HALF HOT/HALF SWITCH
- 240V OUTLET
- GROUND FAULT INTERRUPTED DUPLEX OUTLET
- WEATHERPROOF GROUND FAULT INTERRUPTED DUPLEX OUTLET
- JUNCTION BOX
- WATER HEATER DISCONNECT
- AIR CONDITION DISCONNECT

GENERAL ELECTRICAL

- CHIMES
- PUSHBUTTON
- SMOKE DETECTOR HARD WIRE INTO ELECTRICAL W/ BATTERY BACKUP. DETECTORS SHALL SOUND AN ALARM IN ALL SLEEPING AREA.
- CARBON MONOXIDE DETECTOR/ SMOKE DETECTOR COMBO
- TELEPHONE JACK
- TELEVISION JACK
- THERMOSTAT
- TRANS. TRANSFORMER FOR CHIMES

TYPICAL INSTALLATION HEIGHTS



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GENERAL PLUMBING NOTES

1. VERIFY ALL EXISTING CONDITIONS AND EXACT LOCATIONS OF ALL EQUIPMENT TO BE PLUMBED PRIOR TO THE COMMENCEMENT OF WORK. COORDINATE ALL WORK WITH ALL TRADES.
2. COMPLETE AND WORKING PLUMBING SYSTEMS SHALL BE IN ACCORDANCE WITH THE 2023 FLORIDA PLUMBING CODE AND AUTHORITY HAVING JURIDICITION (AHJ).
3. PRESSURE AND HYDROSTATICALLY TEST THE PIPING, AS APPLICABLE, TO INSURE THE ABSENCE OF LEAKS IN ACCORDANCE WITH THE 2023 FLORIDA BUILDING/PLUMBING CODE. DISINFECT ALL DOMESTIC WATER PIPING IN ACCORDANCE WITH THE 2023 FLORIDA BUILDING/PLUMBING CODE.
4. NEW WASTE DRAIN AND VENT PIPING SHALL BE PVC DWV. TRENCHES SHALL BE BACKFILLED AND COMPACTED. NEW COLD WATER AND HOT WATER PIPING SHALL BE CPVC PIPING OR EQUAL TO FLO GUARD GOLD WRAP NEW HOT WATER PIPING WITH 1" R-4 PER INCH (PER THE 2023 FLORIDA MODEL ENERGY CODE)CELLULAR RUBBER INSULATION EQUAL TO ARMSTRONG ARMAFLEX
NOTE: BRANCH PIPING LESS THAN 12' ME BE INSULATED WITH 1/2" INSULATION PER SAME CODE.
5. SECURE ALL REQUIRED PERMITS AND PAY ALL ASSOCIATED FEES.
6. SEE CIVIL/SITE PLANS FOR LOCATION OF SITE LOCATED COMESTIC WATER BACKFLOW PREVENTER.
7. PROVIDE WATER HAMMER ARRESTORS IN ACCORDANCE WITH THE 2023 FLORIDA BUILDING/PLUMBING CODE AND THE PDI.

ABBREVIATION:

- CO

CLEANOUT
- D

DRYER
- DW

DISHWASHER
- LAV

LAVATORY
- SHO.

SHOWER
- W

WASHER
- WC

WATER CLOSET
- WH

WATER HEATER
- AAV

AIR ADMITTANCE VALVE
- SP

SANITARY PIPE
- VP

VENT PIPE
- VTR

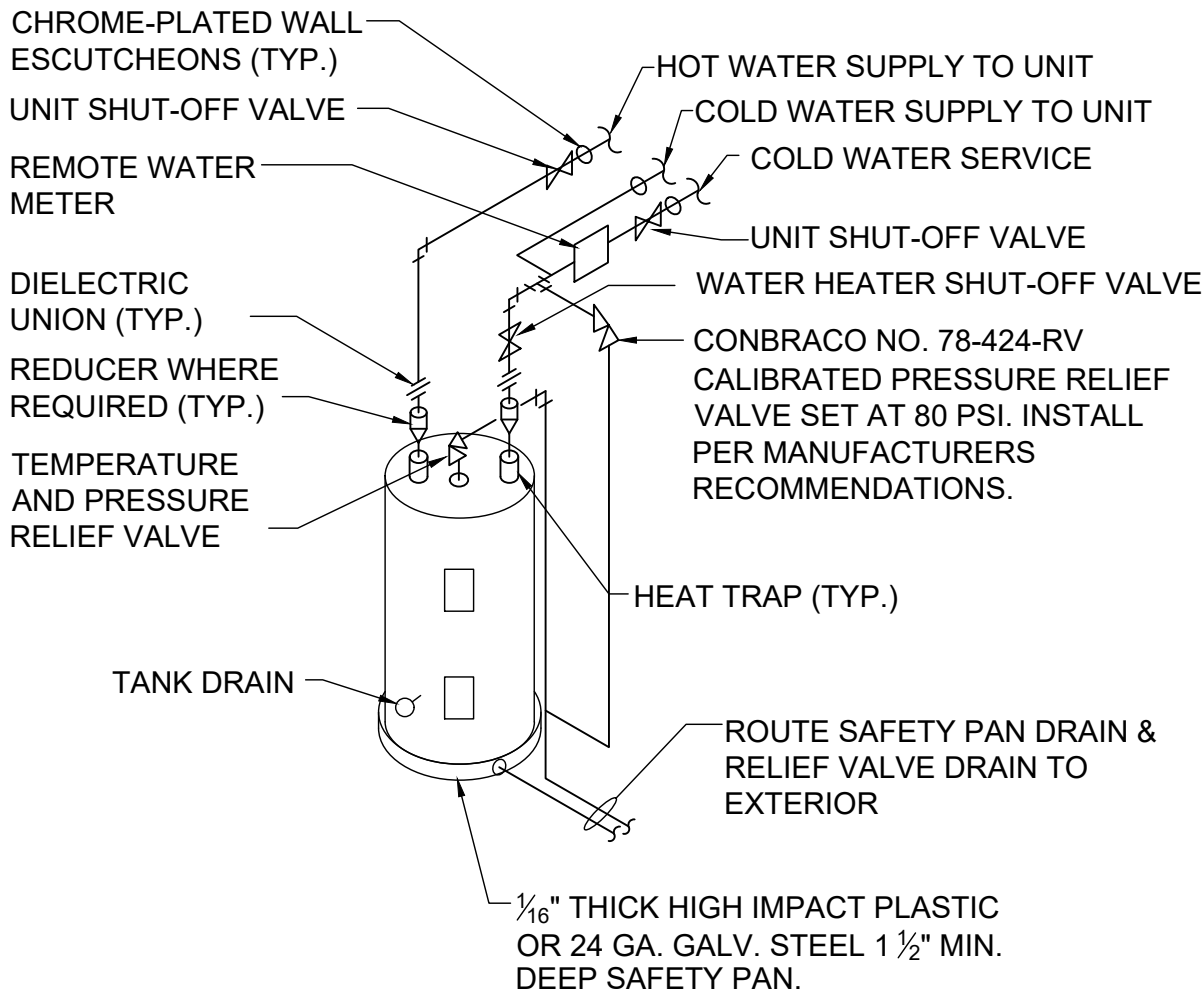
VNET THRU ROOF
- CWL

COLD WATER LINE
- HWL

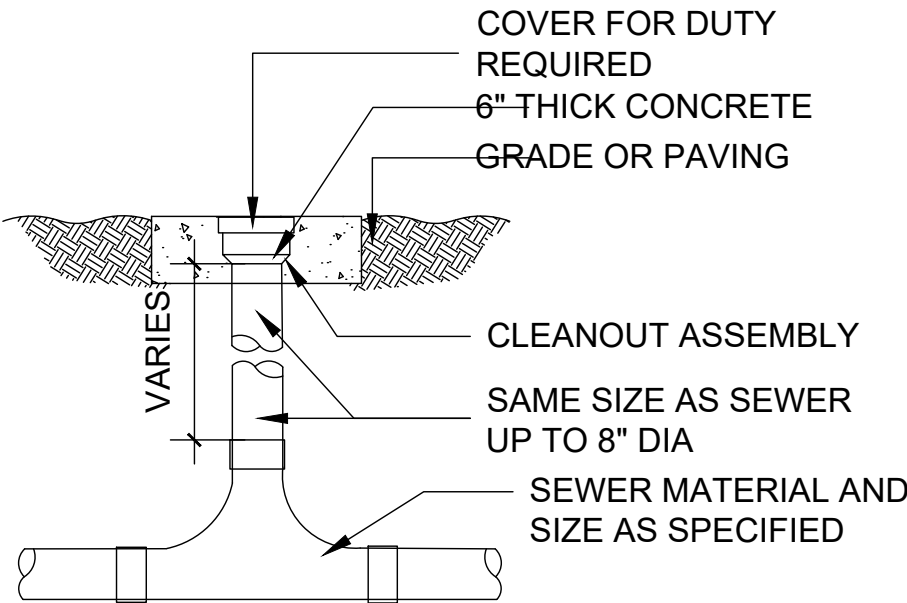
HOT WATER LINE
- GV

GATE VALVE
- WHA

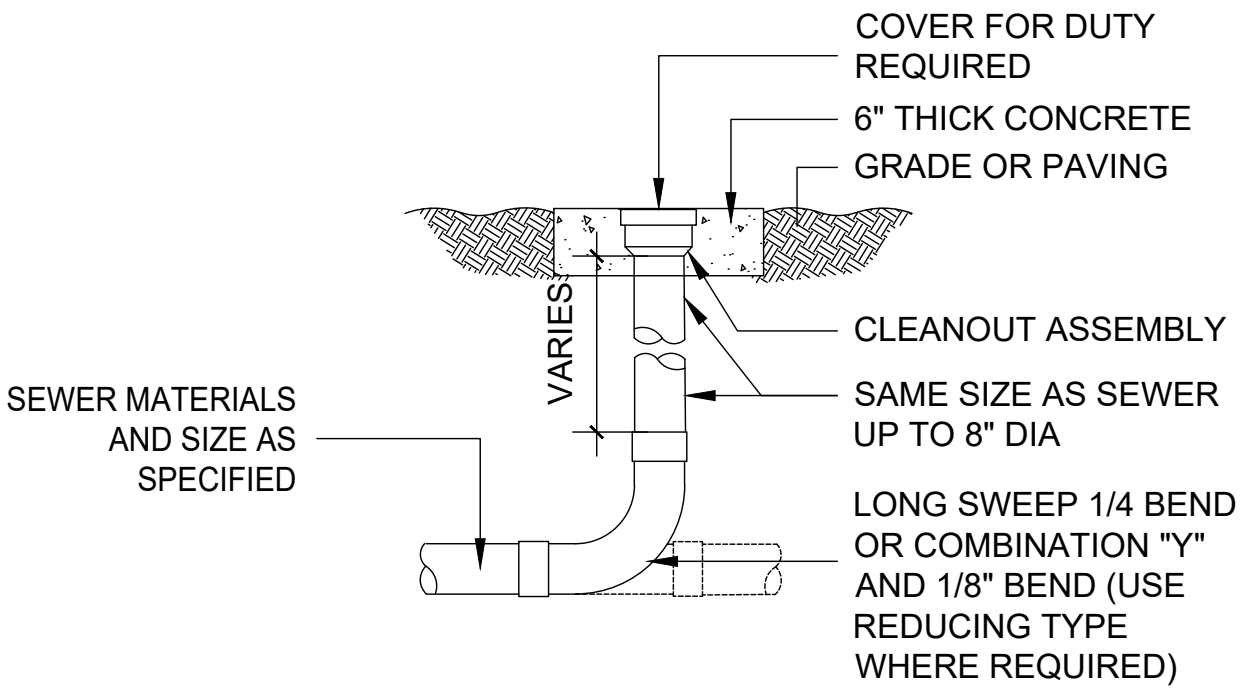
WATER HAMMER ARRESTOR



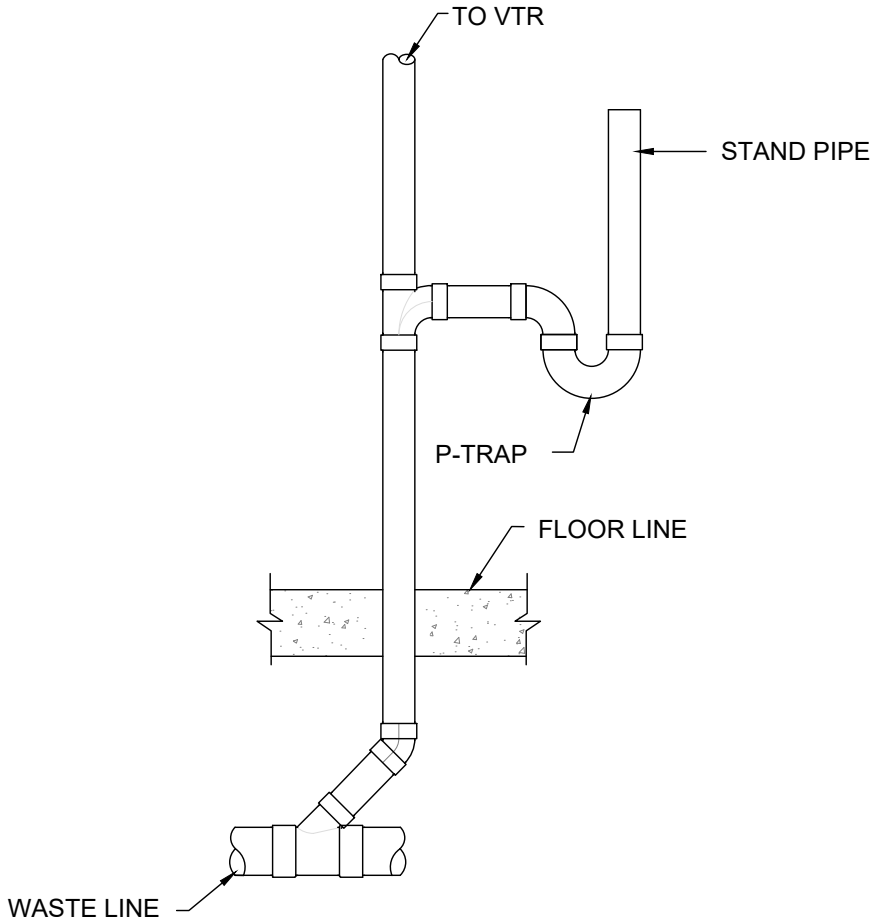
ELECTRIC WATER HEATER PIPING DETAIL
N.T.S.



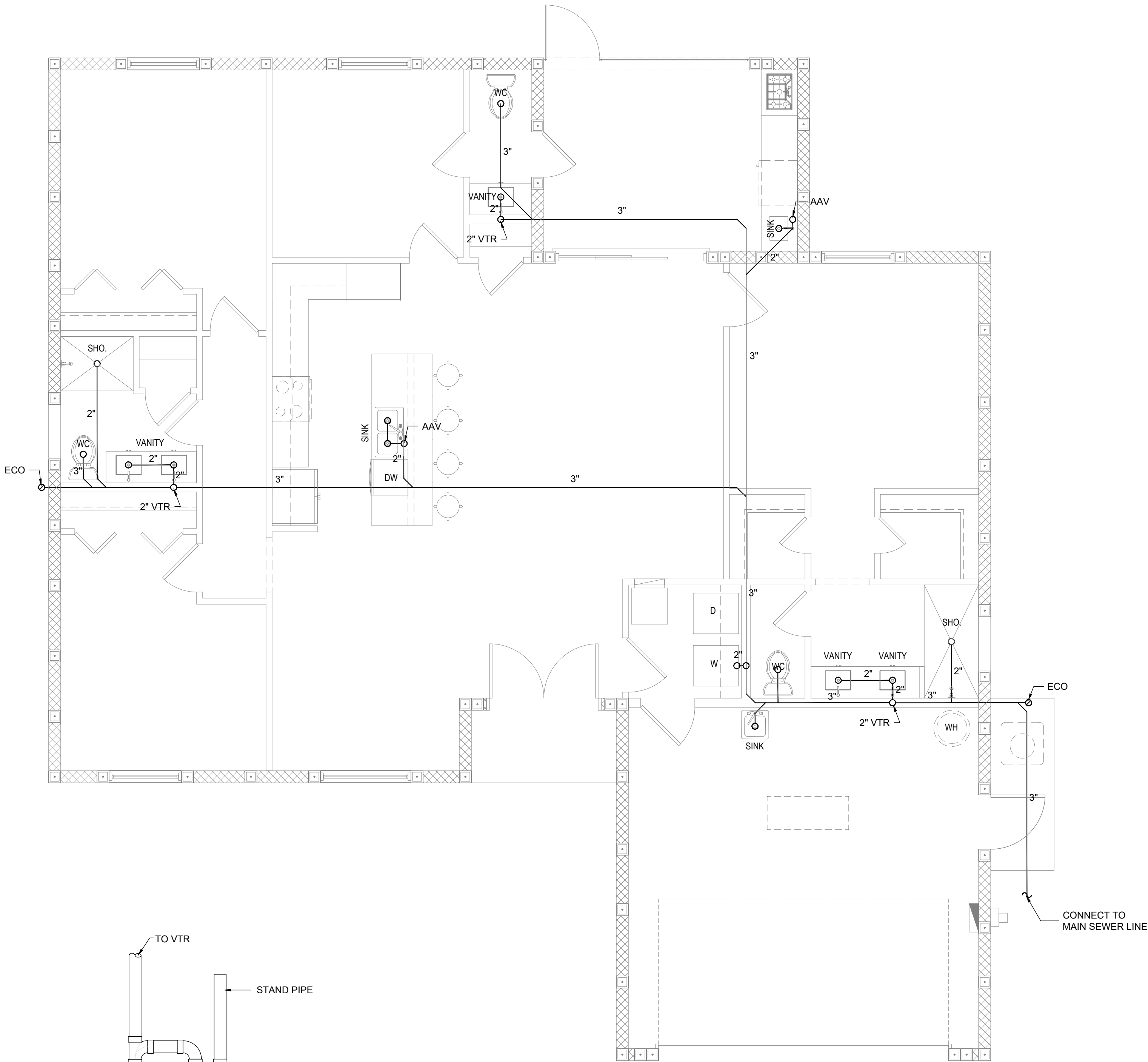
2 WAY CLEANOUT DETAIL
N.T.S.



EXTERIOR CLEANOUT DETAIL
N.T.S.



WASHER STANDPIPE



1 PLUMBING PLAN
P-101 SCALE: 1/4" = 1'-0"



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2531 SAN FILIPPO DR SE
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PROJECT NAME: ONE STORY RESIDENCE
2531 SAN FILIPPO DR SE
PALM BAY, FL 32909
SHEET TITLE: PLUMBING PLAN

REVISION		
1		
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6		

PROJECT NO. 26_0619
DATE: 09/03/2026
DRAWN: TT
CHECKED: RH
SCALE: AS SHOWN
SHEET No:

P-101

GENERAL HVAC NOTES

- THIS DRAWING DEPICTS THE REQUIRED HVAC SCOPE OF WORK. ALL WORK SHOWN IS ASSOCIATED WITH NEW CONSTRUCTION.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE 2023 FLORIDA MECHANICAL BUILDING CODES NFPA 90A AND ASHRAE STANDARDS, SMACNA AND NEC.
- CONTRACTOR SHALL OBTAIN THE NECESSARY PERMITS AND PAY THE ASSOCIATED FEES.
- COORDINATE ALL WORK WITH THE OWNER AND ALL TRADES.
- ALL NEW RIDGE AND SQUARE/RECTANGULAR SUPPLY AIR AND RETURN AIR DUCTWORK SHALL BE 1.5" THICK FIBERGLASS DUCTBOARD WITH A MIN. R VALUE OF R-50 ALL NEW EXHAUST AIR DUCTWORK SHALL BE GALV. STEEL SNAPLOCK. ALL DUCTWORK AND INSULATION JOINTS SHALL BE MADE WITH GLASS FAB AND APPROVED MASTIC. FABRICATE AND SUPPORT ALL DUCTWORK IN ACCORDANCE WITH SMACNA DUCT DIMENSIONS REFERENCED ARE CLEAR INSIDE DIMENSIONS. ALL NEW FLEXIBLE SUPPLY, RETURN AND TRANSFER AIR DUCTWORK SHALL BE CONSTRUCTED TO SMACNA STANDARDS WITH AN INTEGRAL VAPOR BARRIER AND A MIN. R VALUE OF R-8.0 ALL DUCTWORK MASTICS, ECT. SHALL HAVE MAX. 25 FLAME SPREAD AND MAC. 50 SMOKE DEVELOPED RATINGS.
- APPLY 2.2" 0.75 POUNDS OF DENSITY R-8 FIBERGLASS INSULATION WITH AN ESK VAPOR BARRIER AND GLASS FAB AND MASTIC TO THE TOPS OF THE NEW CEILING SUPPLY AIR DIFFUSERS AND GRILLES.
- PROVIDE BALANCED RETURN AIR FOR ALL HABITABLE ROOMS. BEDROOMS SERVED BY SUPPLY AIR SHALL BE PROVIDED WITH RETURN AIR PATH VIA TRANSFER GRILLES OR MINIMUM 1" CLEAR DOOR UNDERCUT. OPEN AREAS SERVED BY CENTRAL RETURN. COMPLY WITH FBC 7TH EDITION, SECTION M1602.3.

AIR CONDITIONING UNIT SCHEDULE

MARK	NOMINAL TONNAGE	TOTAL COOLING	BTU	TOTAL HEATING	DESIGN CFM	V/O	SEER	NOTE
AHU	3.0 TON	36 MBH	36,000 BTU	10.0 (KW)	1,200	240/1	16	1

NOTE: 1. AHU SHALL BE A FLOOR-MOUNTED VERTICAL UNIT LOCATED IN THE UTILITY ROOM

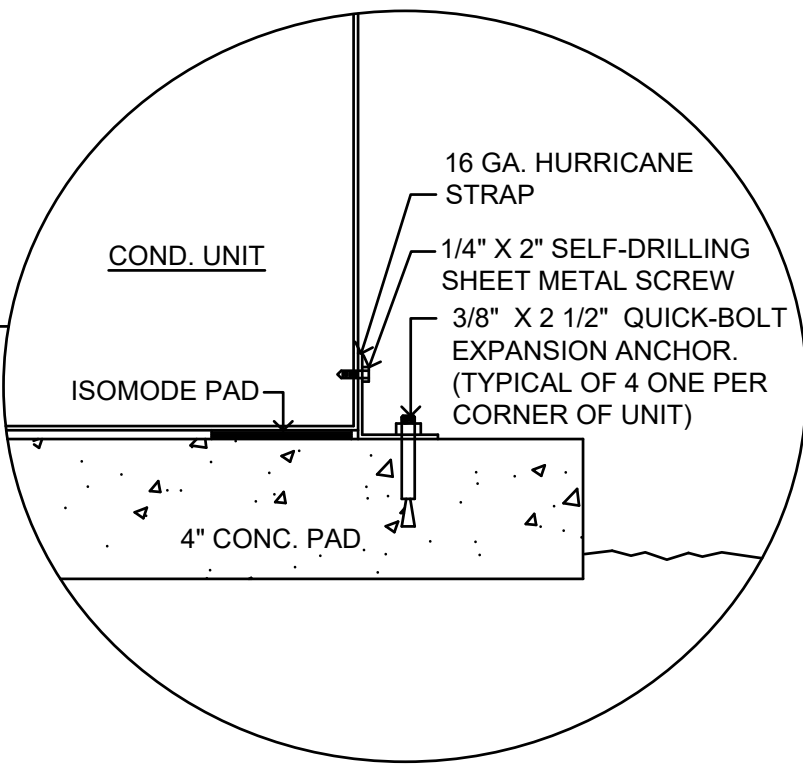
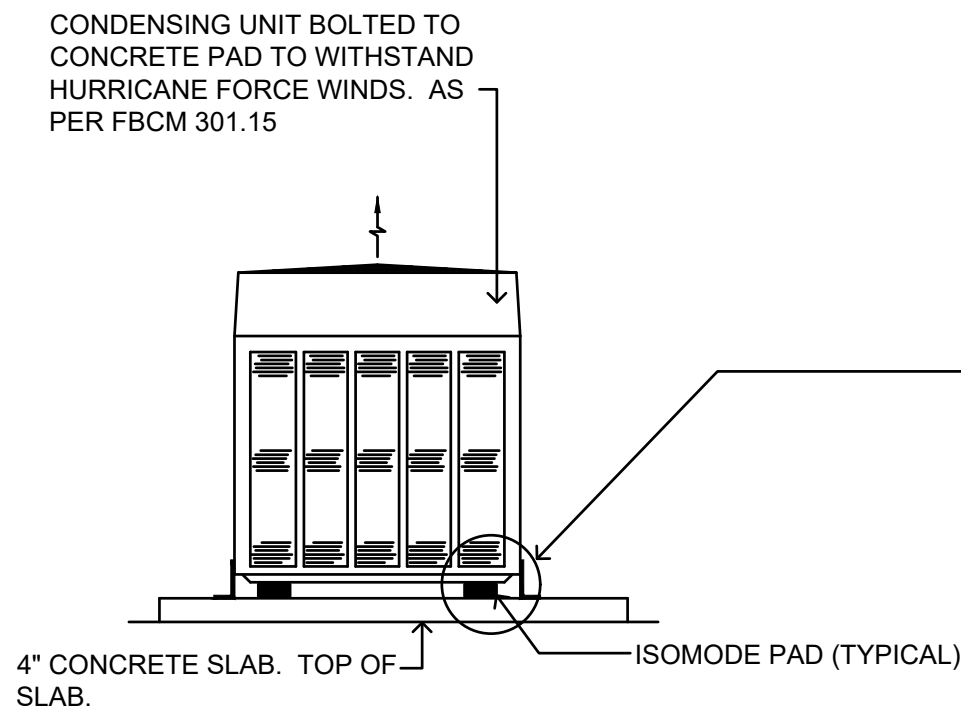
EXHAUST FAN SCHEDULE

MARK	CFM	SERVE	NOTES
EF-1, EF-2, EF-3	50 CFM	BATHROOM	1,2,3

- NOTES:
- PROVIDED WITH BACKDRAFT DAMPER. DISCONNECT SWITCH
 - FANS PROVIDED BY OWNER/CONTRACTOR INSTALLED BY MECH. CONTRACTOR
 - ALL EXHAUST VENT SHALL BE METAL HARD DUCT

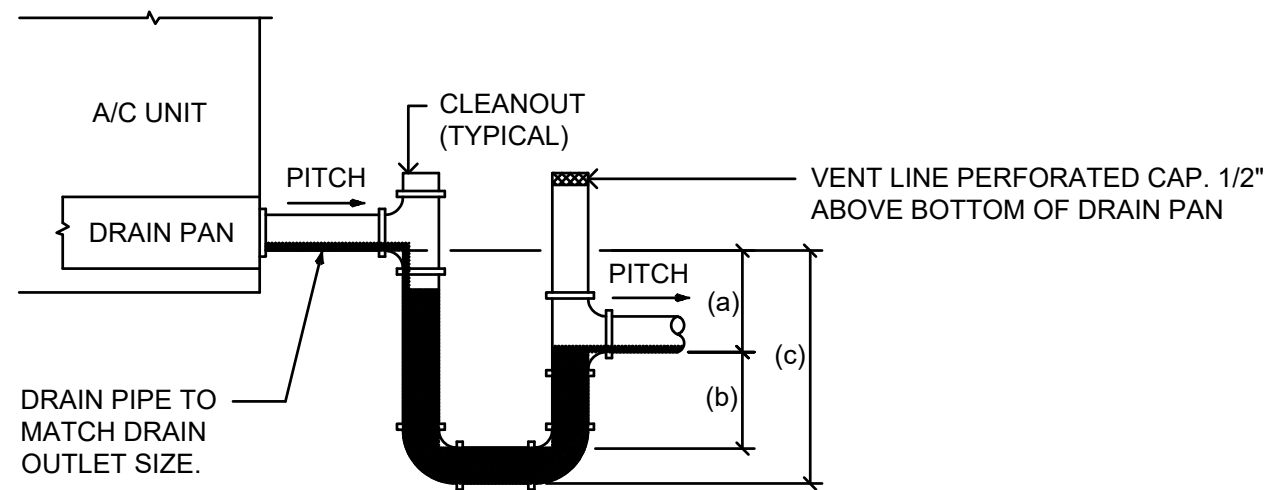
HVAC KEY LEGEND

- AIR HANDLING UNIT
- HVAC SUPPLY AIR DIFFUSER REGISTER SIZE AS SHOWN
- WALL MOUNTED RETURN AIR GRILLE
- EXHAUST FAN WITH 4"Ø METAL HARD DUCT THRU THE ROOF OR WALL
- EXHAUST FAN WITH LIGHT & 4"Ø METAL HARD DUCT THRU THE ROOF OR WALL
- ROUND FLEX-DUCT FOR AIR SUPPLY SIZES AS SHOWN
- FIBERGLASS HARD DUCT SIZES AS SHOWN
- SHEET METAL HARD DUCT FOR EXHAUST FAN



NOTE:
CONDENSING UNITS TO BE INSTALLED ABOVE FLOOD LEVEL CRITERIA.

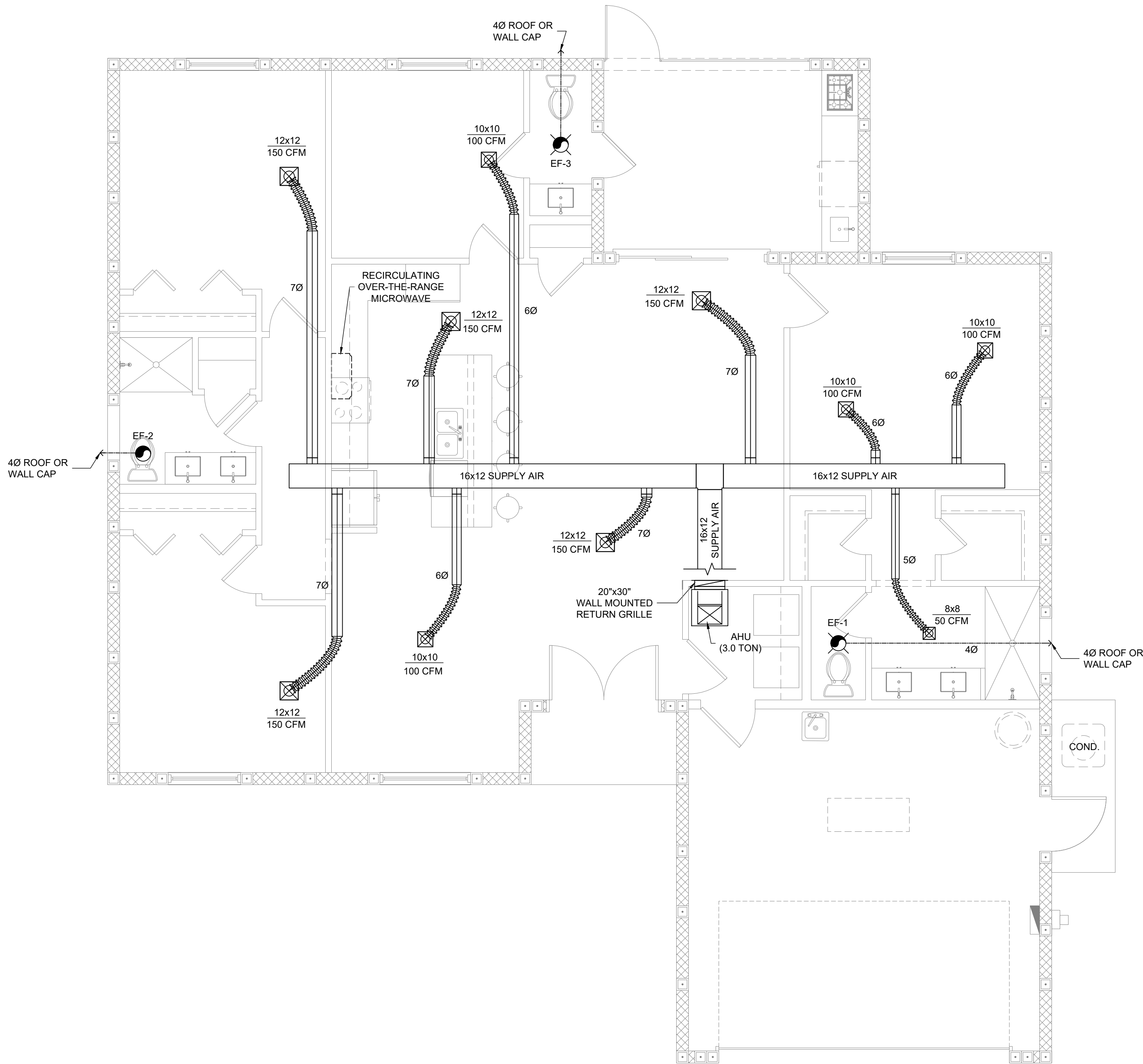
3 CONDENSING UNIT DETAIL
M-101 N.T.S.



DRAW THROUGH UNIT CONDENSATE TRAP

4 CONDENSATE TRAP DETAIL
M-101 N.T.S.

2 TYPICAL AC INSTALLATION
M-101 N.T.S.



1 MECHANICAL PLAN
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