

ONE STORY RESIDENCE - MODEL: 2377

Croton Way

INDEX OF DRAWINGS:

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DESIGNER:

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BUILDING DATA:

BUILDING TYPE: VB
OCCUPANCY GROUP: R3
MEAN ROOF HEIGHT: 23'-2 1/8" AFG.
BUILDING DIMENSIONS: 65'-8"D. x 62'-11 1/2"W.
NUMBER OF FLOORS: ONE

TYPICAL ENERGY NOTES:

A/C CAPACITY TON
SEER RATING 15 SEER
CEILING INSULATION R VALUE R-30

REFERENCED BUILDING CODES:

WIND FORCES: FBC-R 2020, 7th ADDITION
SECTION R301.2.1
PLUMBING: FBC, PLUMBING 2020
FBC SECTION 107.2.1
MECHANICAL: FBC, MECHANICAL 2020
FBC, SECTION 107.2.1
ELECTRICAL: NEC - 2017

IMPORTANT NOTICE !

FOR ALL BUILDERS & SUBCONTRACTORS!
PLEASE REVIEW EVERY SHEET FOR CLARIFICATION
WHILE EVERY ATTEMPT HAS BEEN MADE TO PREVENT HUMAN ERROR, THE
CONTRACTORS, SUBCONTRACTORS, BUILDERS AND OR THE OWNER OWNERS
ARE URGED TO REVIEW ALL INFORMATION CONTAINED HEREIN PRIOR TO
COMMENCEMENT OF CONSTRUCTION. THE ARCHITECT, DESIGNER AND OR
THE ENGINEER OF RECORD ARE NOT RESPONSIBLE FOR ANY CONSTRUCTION
ERRORS, MISINTERPRETATIONS, OMISSIONS OR CUSTOM CHANGES MISSED AND
NOT REPORTED FOR CONSIDERATION AND REVIEW PRIOR TO CONSTRUCTION.

BUILDER NOTE:

DO NOT SCALE DRAWINGS. VERIFY EACH DIMENSION
PRIOR TO CONSTRUCTION OF THE FOUNDATION, THE
INSTALLATION OF STRUCTURAL COLUMNS & BEAMS AND
PRIOR TO ORDERING MATERIALS AND EQUIPMENT. REPORT
ANY DISCREPANCIES WITH THE DESIGNER BEFORE EFFECTED
WORK HAS BEGUN.

"LIVE LOADS":

UNINHABITABLE ATTIC W/O STORAGE: 10psf
UNINHABITABLE ATTIC W/ LIMITED STORAGE: 20psf
HABITABLE ATTICS & SERVED W/ STAIRS: 30psf
EXTERIOR BALCONIES & DECKS: 40psf
PASSENGER VEHICLE GARAGES: 50psf
ROOMS OTHER THAN SLEEPING ROOMS: 40psf
SLEEPING ROOMS: 30psf
RESIDENTIAL STAIRS: 40psf

AREA TABULATIONS:	Sq. Ft.
TOTAL LIVING AREA ...	2377
ENTRY ...	282
COV. REAR PORCH ...	144
GARAGE ...	496
TOTAL UNDER ROOF ...	3299

GENERAL NOTES:

- ALL WIND LOAD CALCULATIONS & DESIGN CRITERIA ARE BASED ON "ENCLOSED" STRUCTURE. ANY BREACH OR PENETRATION OF OPENING SUCH AS DOORS, WINDOWS, GARAGE DOORS, ETC., DURING DURING STORM EVENT WILL COMPROMISE STRUCTURAL INTEGRITY.
- ALL DOOR & WINDOW OPENINGS SHALL BE INSTALLED PER MANUF. SPEC. (VERIFY WINDOW SIZES PRIOR TO CONSTRUCTION)
- ALL SHEAR WALLS MUST TRANSFER LOADS TO TRUSSES.
- TRUSSES, GIRDERS, & BEAM TIE DOUGS TO BE SIZED PER TRUSS MANUF. UPLIFT CALCULATIONS. ANY QUESTIONS AS TO SIZE, TYPE, OR VALUE OF A NAIL, STRAP, OR CLIP SHOULD BE VERIFIED BY THE STRUCTURAL ENGINEER.
- ALL WOOD FOR STRUCTURAL USES TO BE OF GROUP 2 SPECIES MIN. PD + TO OR GREATER THAN 1500 P.S.I. (TOP GRADE FUR ACCEPTABLE.)
- OPTIONAL RADIUS CORNER BEAD AT FOYER, GREAT RM., AND KITCHEN AREAS.
- ALL DECORATIVE NICHE DETAILS AT 36" AFF.
- ALL INTERIOR WALLS ARE 2x4 CONSTRUCTION @ 24" O.C. EXCEPT NOTED UET WALLS.
- PROVIDE CEMENTIOUS MATERIAL AT ALL TUB & SHOWER LOCATIONS.
- "J" BOLTS TO HAVE MIN. EMBEDMENT OF 6" WITH 2" X 1/8" WASHER.
- PROVIDE ICE/MAKER WATER VALVE FOR REFRIGERATOR.
- PROVIDE OPTIONAL 8'-0" TALL INTERIOR DOORS IN FLOOR ONLY.
- PROVIDE GUTTER & DOWNSPOUTS AT ENTRY PORCH AND REAR LANAI.

TREATED WOOD NAIL FASTENERS:

FASTENERS FOR PRESERVATIVE-TREATED WOOD TO BE OF HOT DIPPED ZINC-COATED GALVANIZED STEEL.
ALL FASTENERS TO COMPLY W/ FBC-R SECTION R311.3.
1x MATERIAL: 8d RING SHANK NAILS.
2x MATERIAL: 16d RING NAILS.

WINDOW DESIGN PRESSURE :

- POSITIVE PRESSURE OF 37.5 p.s.f.
- NEGATIVE PRESSURE OF 43.7 p.s.f.

DOOR DESIGN PRESSURE :

- POSITIVE PRESSURE OF 37.5 p.s.f.
- NEGATIVE PRESSURE OF 43.7 p.s.f.

ALL GARAGE DOOR SIZES:

- POSITIVE PRESSURE OF 24.8 p.s.f.
- NEGATIVE PRESSURE OF 32.6 p.s.f.

HAZARDOUS SAFETY GLAZING:

ALL WINDOWS IN HAZARDOUS AREAS TO BE TEMPERED GLASS AS PER FBCR 308.4 (2).
ALL CONNECTIONS BY OTHERS SHALL BE CAPABLE OF RESISTING -43.7 PSF / +37.5 PSF

WINDOW & DOOR ATTACHMENT NOTES:

WINDOW AND DOOR ASSEMBLIES SHALL CONFORM TO FBC-R 2017
ALL CONNECTIONS BY OTHERS SHALL BE CAPABLE OF RESISTING -43.7 PSF / +37.5 PSF

2x PT BUCKS/NAILERS SHALL EXTEND BEYOND INTERIOR FACE OF WINDOW. FASTEN BUCK TO MASONRY W/ 1/4" x 3/4" TAPCONS 6" FROM EDGES AND 16" O.C. MAX.

BUCKS LESS THAN 2x TO BE FASTENED WITH CUT NAILS OR EQUIVALENT. STRUCTURAL CONNECTION OF WINDOW TO STRUCTURE BY OTHERS IN THIS CASE. (SEE MANUF. INSTALLATION INSTRUCTIONS)

GENERAL CONSTRUCTION NOTES:

DESIGN REQUIREMENTS:

- FLOORS, DECKS, STAIRS: LIVE LOAD = 40 PSF.
- BALCONIES: LIVE LOAD = 60 PSF.
- ROOF: LIVE LOAD = 21 PSF.

WIND DESIGN LOAD INFORMATION:

- ULTIMATE WIND SPEED = 140 MPH (3 SECOND GUST)
- WIND IMPORTANCE FACTOR = 1.61
- BUILDING CATEGORY = II
- WIND EXPOSURE (ALL SIDES) = B
- INTERNAL PRESSURE COEFFICIENTS:
ENCLOSED BUILDINGS = +/- .018
PARTIALLY ENCLOSED BUILDINGS = +/- .055
- ALL COMPONENTS AND CLADDING NOT SPECIFIED ON THE PLANS SHALL BE DESIGNED TO WITHSTAND THE FOLLOWING PRESSURES:
FOR WALL LOCATIONS: -4125 psf, +351 psf
FOR ROOF LOCATIONS: -585 psf, +243 psf

FOUNDATIONS:

- SOIL TO BE COMPACTED TO AT LEAST 95% UNDER SLABS AND FOOTINGS OF MAX. DRY DENSITY AS DETERMINED BY ASTM-1557 (MODIFIED PROCTOR) 2000 PSF MIN. BEARING CAPACITY.
- ALL FILL TO BE CLEAN SAND, FREE OF ANY ORGANIC AND OTHER DELETERIOUS MATERIALS.

CAST-IN-PLACE CONCRETE:

- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 3000 PSI. A SLUMP OF 4" (+/-) 1", AND HAVE A 2% TO 4% AIR ENTRAINMENT, AND A MAXIMUM WATER/CEMENT RATIO OF 0.58, OR 4000 PSI AT ALL POURED-IN-PLACE BEAMS.
- ALL REINFORCING STEEL SHALL BE NEW DOMESTIC DEFORMED BILLET STEEL CONFORMING TO GRADE 60.
- MINIMUM LAP SPLICES ON ALL REINFORCING BARS SHALL BE 48 BAR DIAMETERS.
- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH "THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE"
- HORIZONTAL FOOTING BARS SHALL BE BENT MIN. 12 DIAMETERS (EXCLUDING BEND) AROUND CORNERS OR CORNER BARS WITH MIN. 12" LAP (EXCLUDING BEND) AT EACH END SHALL BE PROVIDED.

MASONRY WALL CONSTRUCTION:

- HOLLOW LOAD BEARING UNITS SHALL BE NORMAL WEIGHT, GRADE "N" TYPE 2 WITH A MINIMUM NET COMPRESSIVE STRENGTH OF 2000 PSI (Fb = 1800 PSI).
- MORTAR SHALL BE TYPE "M" OR TYPE "S".
- HEAD MORTAR JOINTS AT PRECAST WINDOW SILLS NOT TO EXCEED 1".
- COARSE GROUT SHALL CONFORM TO ASTM C416 WITH A MAX. AGGREGATE SIZE OF 3/8" AND A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
- VERTICAL REINFORCEMENT SHALL BE AS NOTED ON PLANS WITH CELL FILLED WITH COARSE GROUT.
- VERTICAL REINFORCEMENT SHALL BE HELD IN POSITION AT TOP AND BOTTOM AND AT A MAXIMUM SPACING OF 8'-0" (UNO.). TYPICAL REINFORCEMENT SHALL BE PLACED IN THE CENTER OF MASONRY CELL.
- REINFORCING STEEL SHALL BE LAPPED MINIMUM 25" UNLESS NOTED OTHERWISE ON PLANS.
- HOOKS AT TOP & BOTTOM OF VERTICAL REINFORCING BARS TO BOND COARSE AND FOOTING TO BE NO LESS THAN 12 BAR DIAMETERS EXCLUDING BEND.
- EXPANSION TYPE ANCHORS ARE NOT TO BE USED IN BOND COARSE. EMBEDDED ANCHORS OR FASTENED DOUELS SHALL BE USED (UNO.)

WOOD CONSTRUCTION:

- WOOD CONSTRUCTION SHALL CONFORM TO THE NFPA "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION", LATEST EDITION (NDS).
- ALL EXTERIOR WOOD STUD WALLS, BEARING WALLS, SHEAR WALLS, AND MISLC. STRUCTURAL WOOD FRAMING MEMBERS (I.E. BLOCKING OR GABLE END BRACING) SHALL BE SOUTHERN YELLOW PINE OR EQUIVALENT NO. 2 GRADE SHALL BE USED REGARDLESS OF SPECIES. (2000 PSF) (Fb).
- ALL EXTERIOR AND INTERIOR BEARING WALLS SHALL HAVE MAXIMUM SPACING OF 16" O.C. (UNO.).
- ALL WOOD IN CONTACT WITH CONCRETE TO BE PRESERVATIVE TREATED MATERIAL.

PREFABRICATED WOOD TRUSSES:

- ALL PREFABRICATED WOOD TRUSSES SHALL BE FASTENED TO SUPPORTING WALLS OR BEAMS WITH HURRICANE CLIPS, STRAPS OR ANCHORS.
- TRUSSES TO BE DESIGNED BY MANUF. METHODOLOGY FOR LONG SPAN TRUSSES TO DETERMINE UPLIFT REACTION VALUES, MEMBER AND PLATE DESIGN TO BE CALCULATED BY COMPONENTS AND CLADDING METHOD UNLESS SPECIFIED OTHERWISE BY THE TRUSS ENGINEER OF RECORD.
- PREFABRICATED WOOD TRUSSES TO BE DESIGNED IN ACCORDANCE WITH LATEST EDITION OF TPI-1.
- TRUSS MEMBERS AND CONNECTIONS SHALL BE PROPORTIONED (WITH A MAX. ALLOWABLE STRESS INCREASE FOR FOR LOAD DURATION OF 25%) TO WITHSTAND LIVE LOADS GIVEN IN THE NOTES AND TOTAL DEAD LOAD.
- BRIDGING AND BLOCKING FOR TRUSSES SHALL BE AS PER TRUSS MANUFACTURER (UNO.) ON PLANS.
- TRUSS ELEVATIONS & SECTIONS ARE FOR GENERAL CONFIGURATION ONLY. WEB MEMBERS ARE TO BE DESIGNED BY THE TRUSS MANUFACTURER IN ACCORDANCE WITH DESIGN LOADS.
TOP CHORD : LL = 20 PSF
BOTTOM CHORD : DL = 10 PSF
DL = 10 PSF (SHINGLE TYPE ROOF COVER)
DL = 20 PSF (TILE TYPE ROOF COVER)
DL = 14 PSF AT OVERBUILT AREAS
- THE TRUSS MANUFACTURER TO DETERMINE ALL SPANS, BEARING POINTS AND SIMILAR CONDITIONS AND NOTES FOR ANY ADDITIONAL BRACING OR BLOCKING.

"LIVE LOADS":

FBC-R TABLE R301.5
UNINHABITABLE ATTIC W/O STORAGE: 10psf
UNINHABITABLE ATTIC W/ LIMITED STORAGE: 20psf
HABITABLE ATTICS & SERVED W/ STAIRS: 30psf
EXTERIOR BALCONIES & DECKS: 40psf
SLEEPING ROOMS: 30psf

FIELD REPAIR NOTES:

- REPAIR FOR MISSED VERTICAL REBAR IN MASONRY: DRILL 1/4" DIA HOLE MIN 6" DEEP AT LOCATION OF OMITTED REBAR AND INSTALL 5 BAR INTO EPOXY FILLED HOLE PER MANUF. INSTRUCTIONS. ASSURE THAT ALL DUST AND DEBRIS ARE REMOVED VIA COMPRESSED AIR PRIOR TO APPLYING EPOXY. ALLOW EPOXY TO CURE. FOUR CELL SOLID DURING BOND BEAM FOUR REBAR SPLICE MIN. 48".
- SUBSTITUTE MISSED STRAPS WITH STRAPS OF EQUAL OR GREATER UPLIFT AND LATERAL RESISTANCE VALUES IN FIELD WITHOUT VERIFICATION PROVIDED ALL MANUF. INSTALLATION INSTRUCTIONS ARE FOLLOWED.
- MORTAR JOINTS LESS THAN 3/8" THICK: PROVIDE ONE 5 BAR VERTICAL IN CONC. FILLED CELL EACH SIDE OF JOINT OR MAX. 8'-0" O.C., REBAR NOT REQUIRED TO BE CONTINUOUS TO FOOTING.
- MISSED MASONRY LINTEL STRAPS MAY BE SUBSTITUTED WITH SIMPSON MTS12 STRAP WITH (3) 3/16" TAPCONS AT BOND BEAM AND (7) 10d COMMON NAILS TO TRUSS.
- WOOD STUDS MAY BE SUBSTITUTED WITH METAL STUDS IN NON-BEARING WALLS.
- MISSED "J" BOLTS IN WOOD BEARING WALLS MAY BE SUBSTITUTED WITH 1/2" ANCHOR BOLT SET IN 1/4" DIA. HOLE 6" DEEP WITH UNITEK PROPOXY 3000 ADHESIVE BINDER OR 1/4" x 6" RAIL. STUD EXPANSION ANCHOR FOLLOW ALL MANUF. INSTRUCTIONS.

SHEAR WALL NOTE:

- ALL SECTIONS OF CMU WALLS GREATER THAN 4'-0" IN LENGTH AND UNBROKEN BY OPENINGS ACT INDEFINITELY AS SHEAR WALL SEGMENTS AND INDIVIDUALLY PROVIDE BRACING FOR ADJACENT STRUCTURES. FORCES MAY BE ASSUMED TO TRANSFER THROUGH BOND BEAMS TO INTERIOR SEGMENTS.

ROOF SHINGLE COVERING NOTE:

- COMPOSITE ASPHALT SHINGLES SHALL HAVE SELF-SEALING STRIPS OR BE INTERLOCKING.
- PROVIDE MINIMUM ONE LAYER UNDERLAYMENT FELT APPLIED AS FOLLOWS: STARTING AT EAVE UNDERLAYMENT APPLIED SHINGLE FASHION PARALLEL TO THE EAVE. LAPPED MIN. 2" AND FASTENED SUFFICIENTLY TO STAY IN PLACE.
- FASTENERS SHALL BE GALVANIZED, STAINLESS STEEL, ALUMINUM OR COPPER ROOFING NAILS. MIN. 12 GAUGE SHANK WITH MIN. 3/8" DIA. HEAD OF A LENGTH TO PENETRATE THROUGH THE ROOF SHEATHING.

ROOF FLASHING NOTES:

- METAL VALLEY FLASHING TO BE GALVANIZED STEEL (26) GAUGE, NAILED AT 12" O.C. MAX.
- PREFINISHED ALUMINUM DRIP EDGE PROVIDED AT ALL EAVES AND GABLES OF SHINGLE ROOFS AND OVERLAPPED A MIN. OF 2". DRIP EDGE TO BE FASTENED AT MAX. 12" O.C.
- PROVIDE CONTINUOUS "L" FLASHING AT ALL ROOF TO WALL TRANSITIONS.

DRYWALL ATTACHMENT NOTES:

- SPECIFICATIONS FOR 1/2" GYP. BOARD:
NAILS: WALLS- 1 3/8" LONG AT 8" O.C.
CEILING- 1 3/8" LONG AT 14" O.C.
SCREWS: WALLS- 1 3/8" LONG AT 12" O.C.
CEILING- 1 3/8" LONG AT 12" O.C.
- SPECIFICATIONS FOR 5/8" GYP. BOARD:
NAILS: WALLS- 1 3/8" LONG AT 8" O.C.
CEILING- 1 3/8" LONG AT 14" O.C.
SCREWS: WALLS- 1 3/8" LONG AT 12" O.C.
CEILING- 1 1/2" LONG AT 12" O.C.

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COVER SHEET
NOTES & SPEC'S.

REVISIONS

DRAWN BY:
RWW

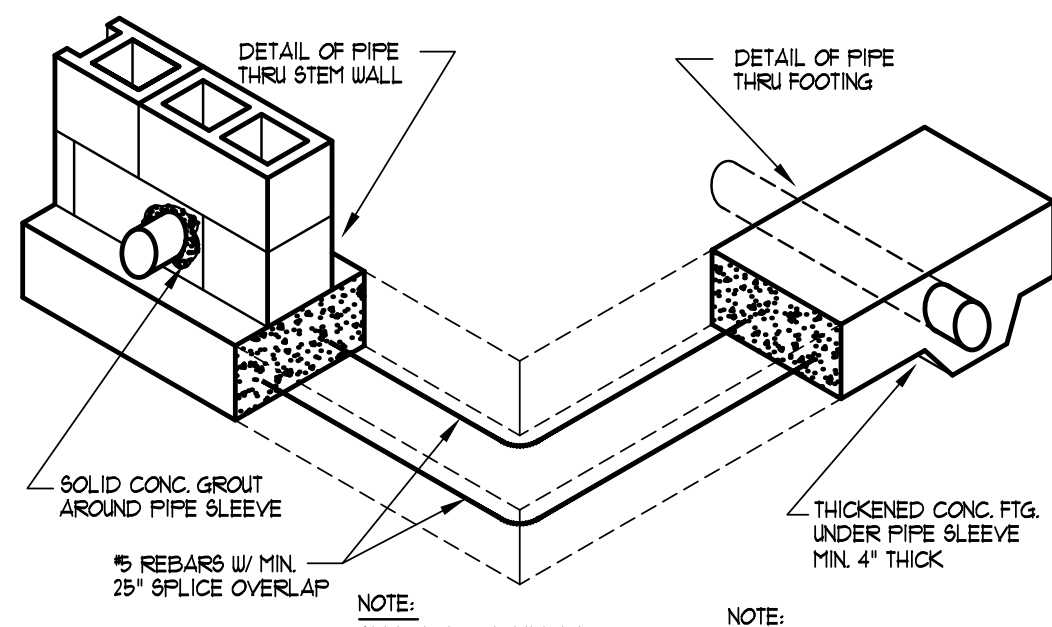
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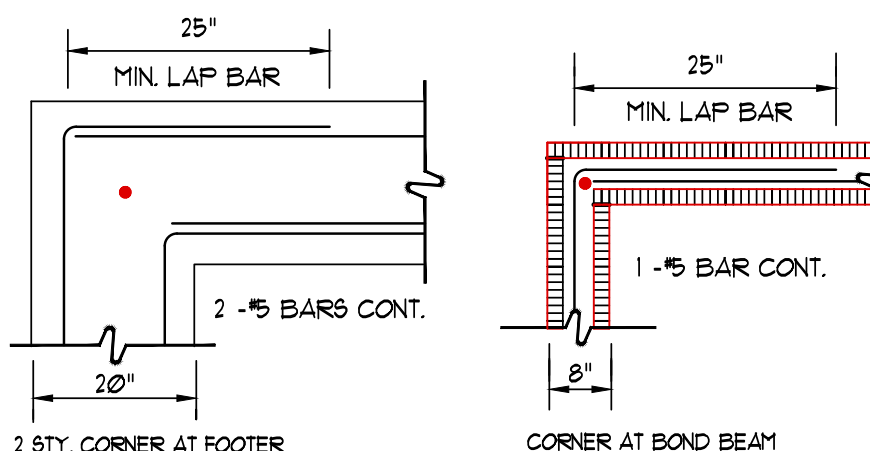
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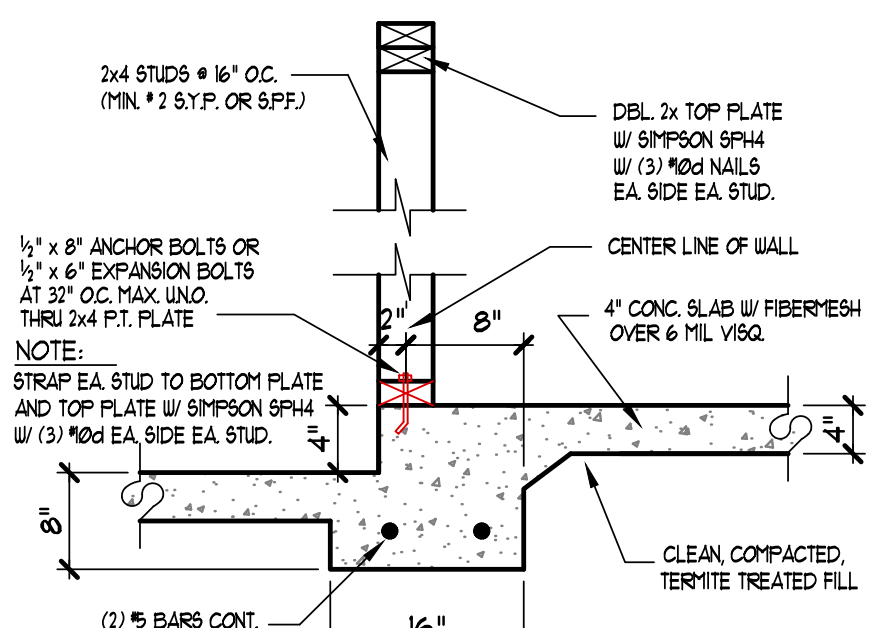
PIPE THRU FOOTING DETAIL

SCALE: 1/2" = 1'-0"



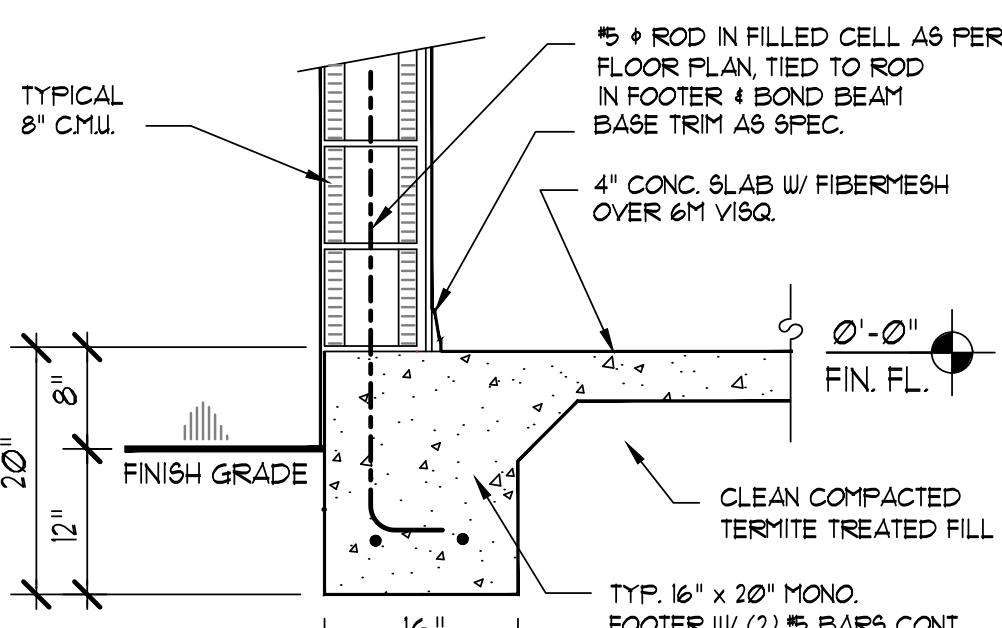
TYP. CORNER WALL REINF.

SCALE: 1/2" = 1'-0"



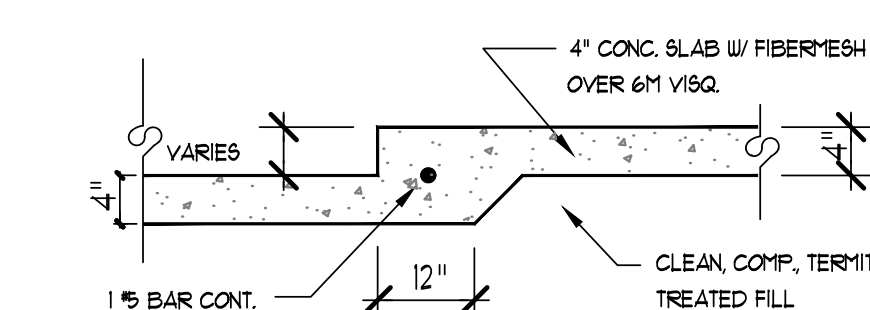
OFFSET BEARING FTG. DETAIL AT GARAGE

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



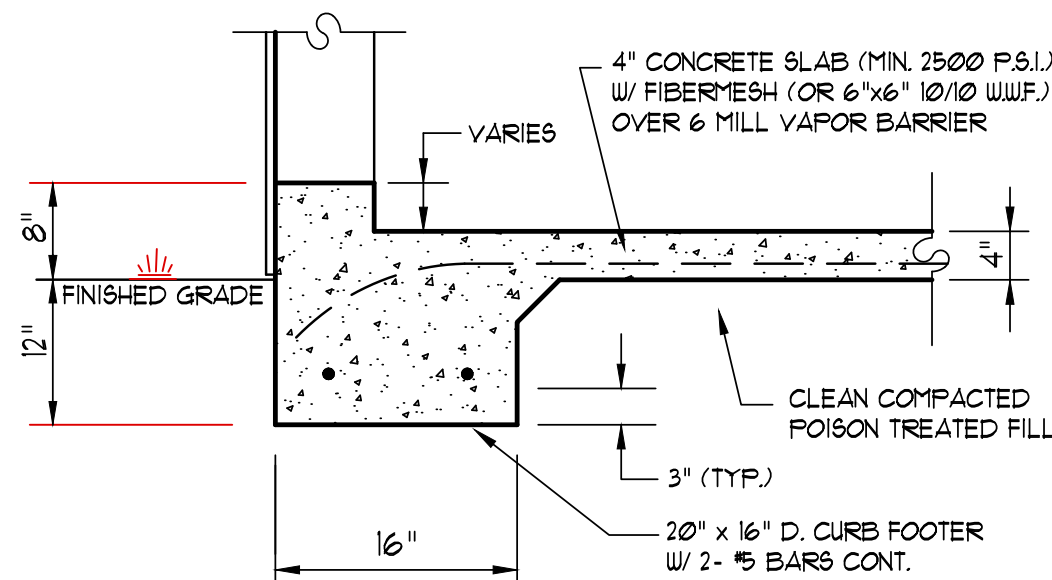
TYP. ONE STORY MONOLITHIC FTG.

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



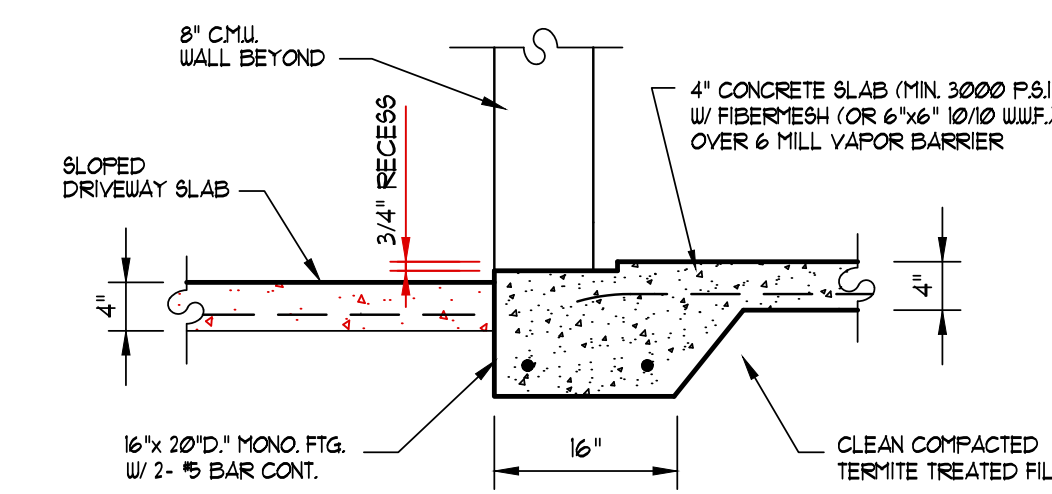
OFFSET THICKENED EDGE DET.

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



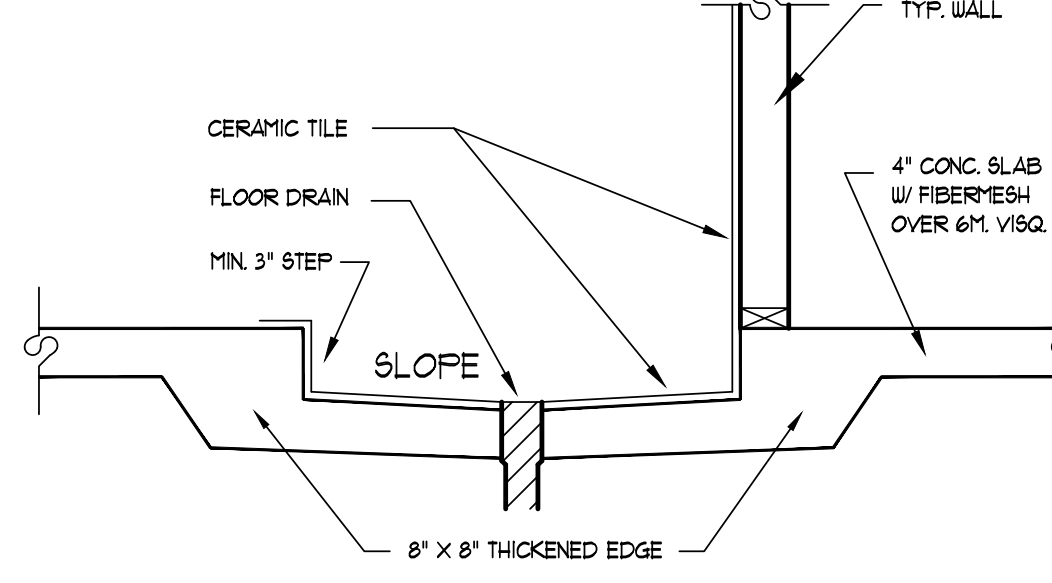
GARAGE CURB FOOTING DETAIL

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



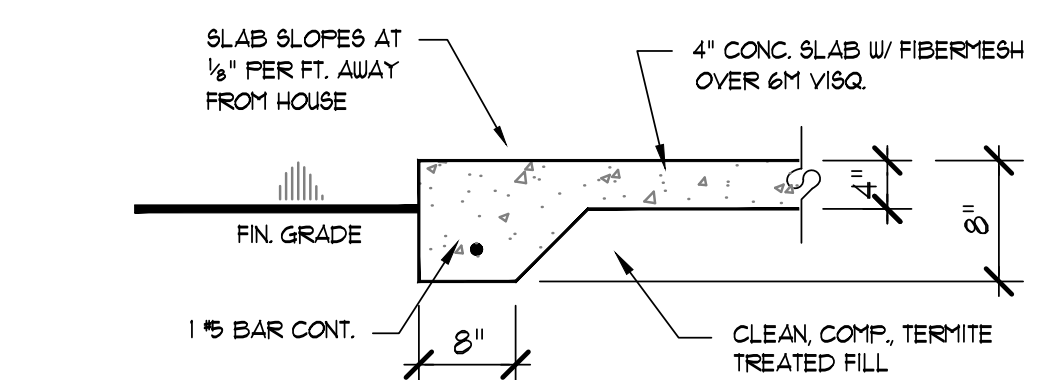
FOOTER DETAIL AT GARAGE DOOR

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



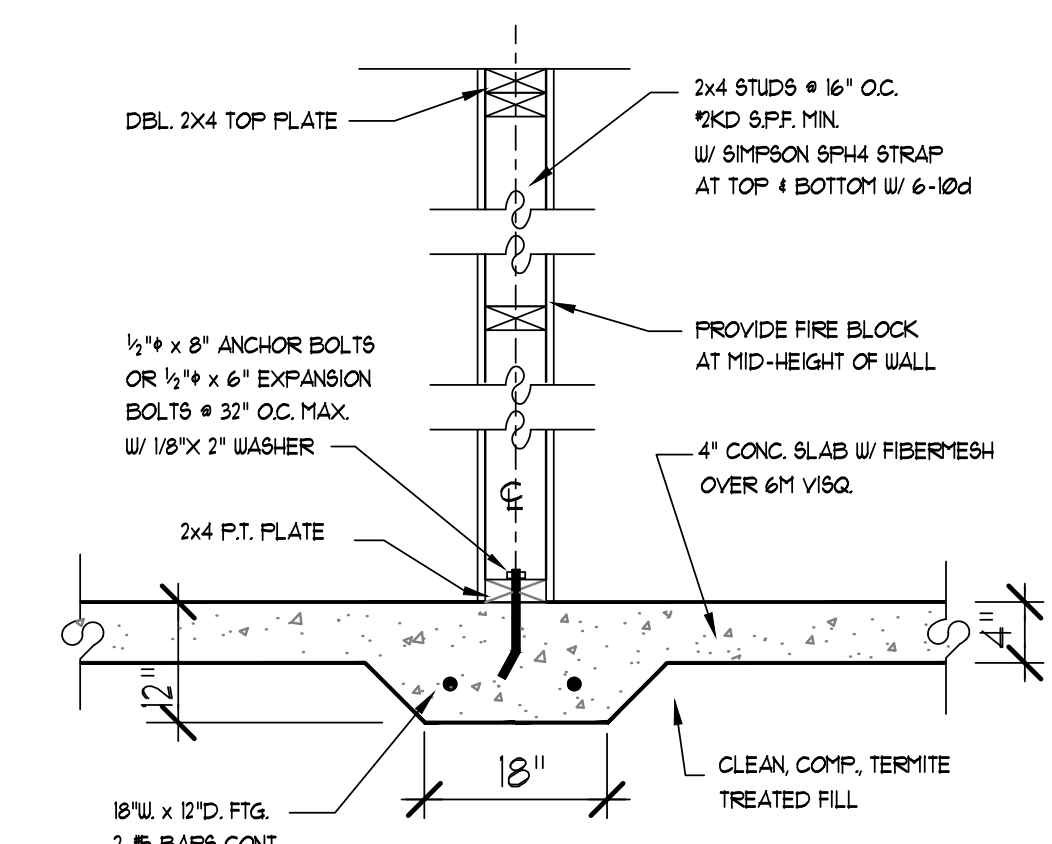
RECESSED SHOWER FLOOR DET.

SCALE: 3/4" = 1'-0" (DETAIL FOR CONCRETE FLOORS)



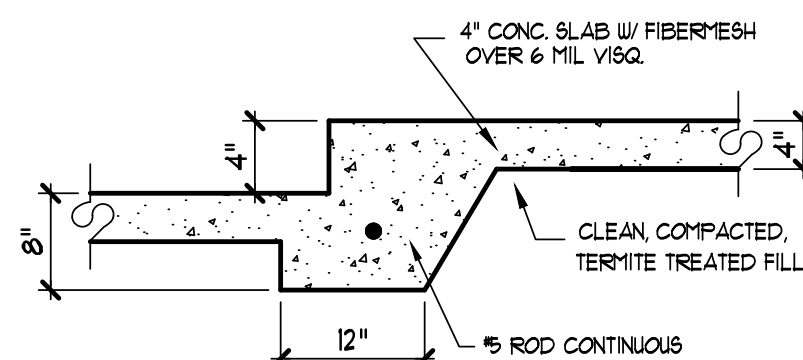
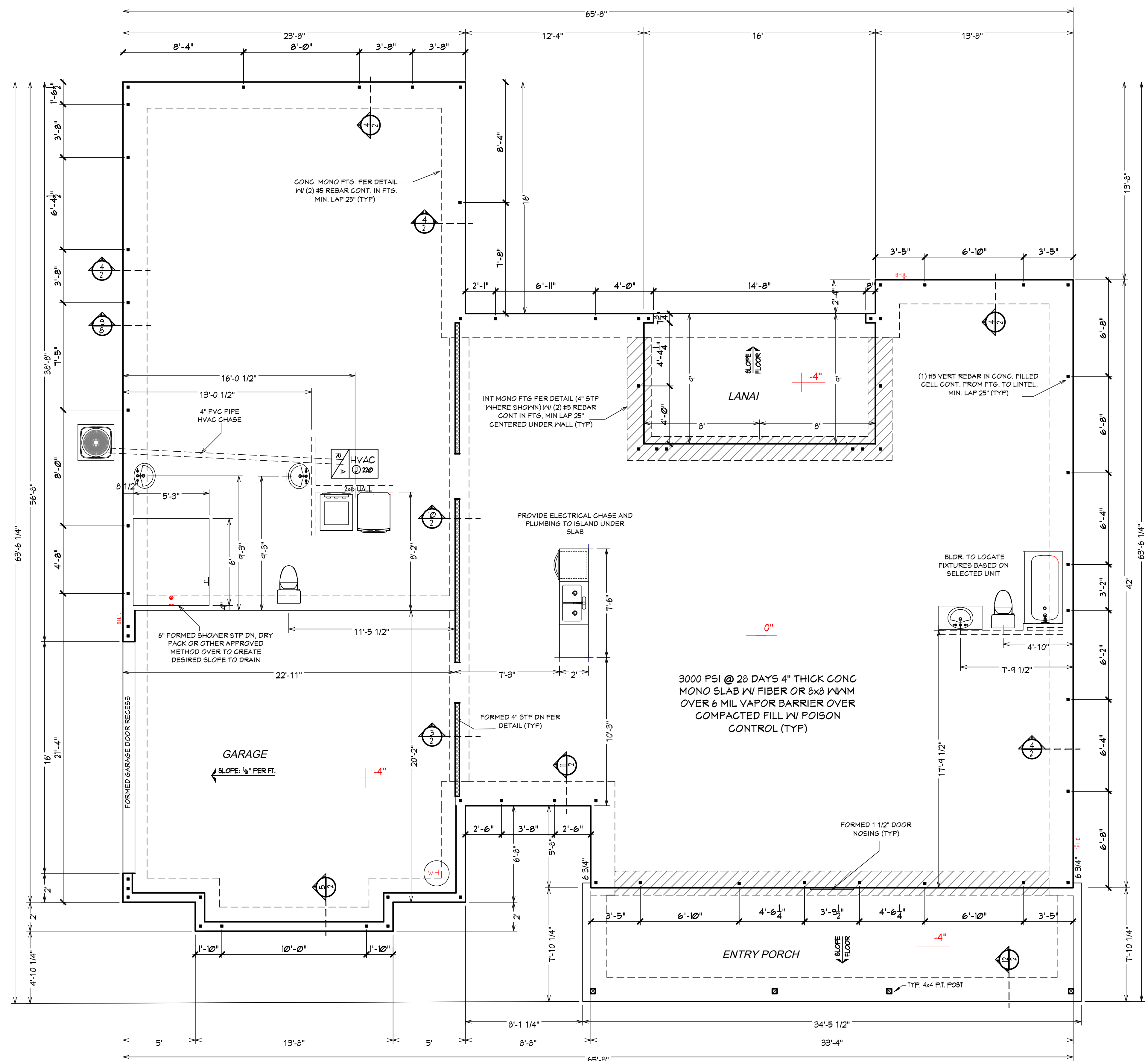
PORCH THICKENED EDGE DET.

SCALE: 3/4" = 1'-0" (DETAIL FOR ANY ADDITIONAL PATIO SLABS)



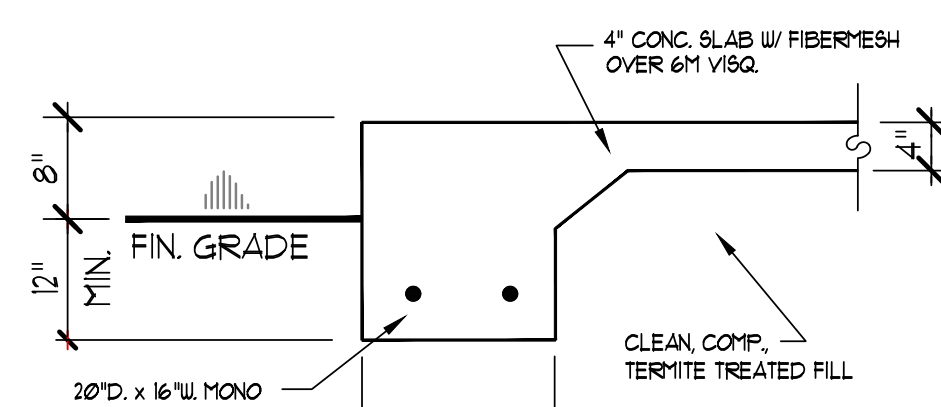
INT. BEARING WALL FTG. DET.

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



OFFSET BEARING FOOTING DETAIL

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



PORCH MONOLITHIC FOOTING

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

FOUNDATION PLAN

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

NOTE: ALL INTERIOR CONCRETE FLOOR SLABS TO BE SMOOTH STEEL TROUCEL FINISH.

CONCRETE SPECS:

SLABS - 3000 P.S.I. IN 28 DAYS
FOOTERS - 3000 P.S.I. IN 28 DAYS
LINTELS - 3000 P.S.I. IN 28 DAYS
FILLED CELLS - 3000 P.S.I. IN 28 DAYS

■ - INTERIOR BEARING WALL
■ - DENOTES 5 # ROD IN FILLED CELL

LEGEND

■ - 5 BAR VERT. IN FILLED CELL
■ - 2x4 FRAME WALLS
■ - LOAD BEARING
■ - 8" CMU WALL
SEE FLOOR PLAN FOR PLATE HGT.

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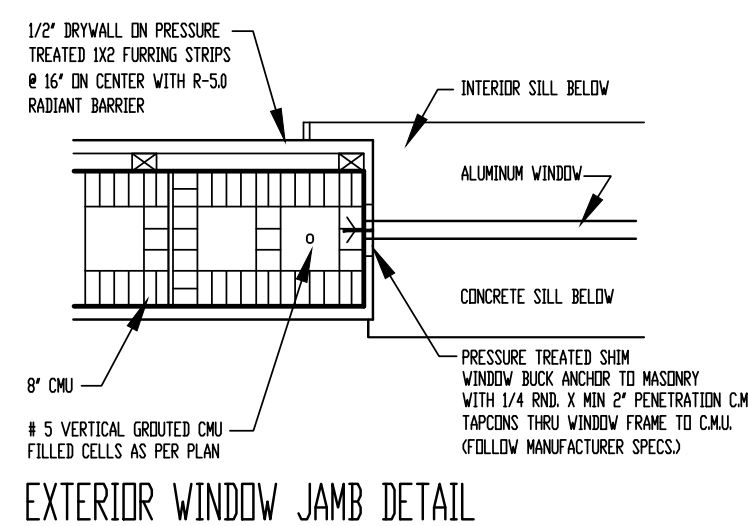
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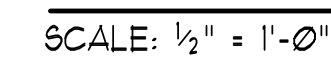
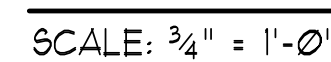
FOUNDATION PLAN
NOTES & DETAILS
REVISIONS

DRAWN BY:
RWW
CHECKED BY:
SF
DATE:
9-28-2021
SHEET

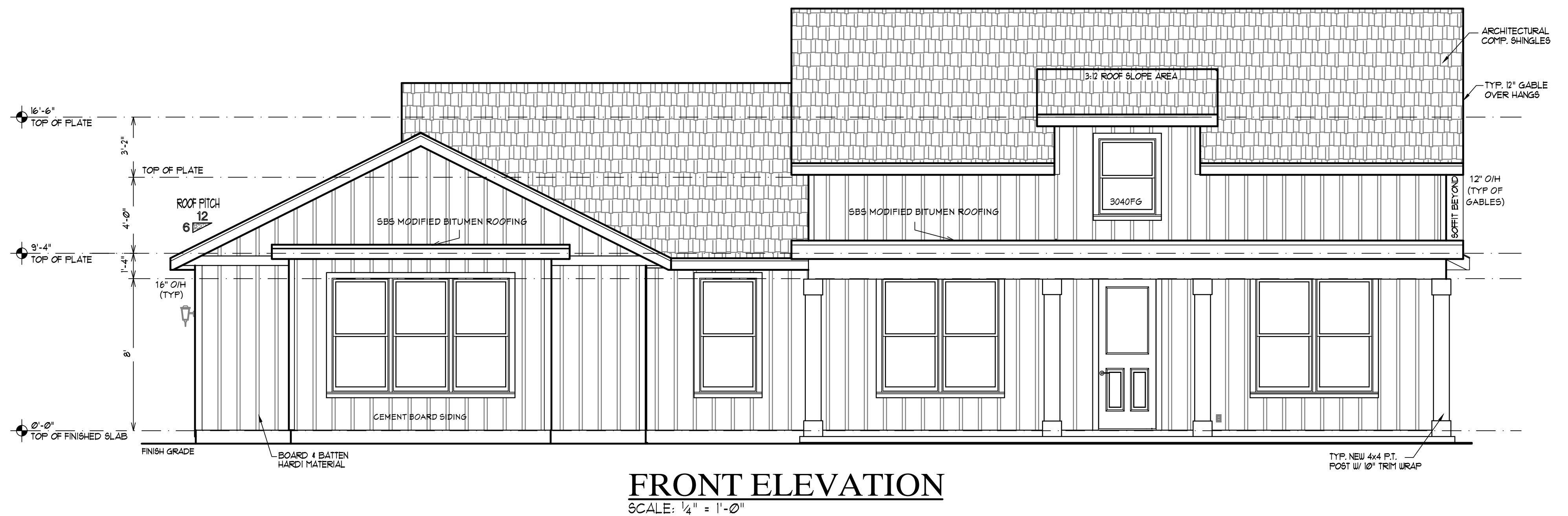
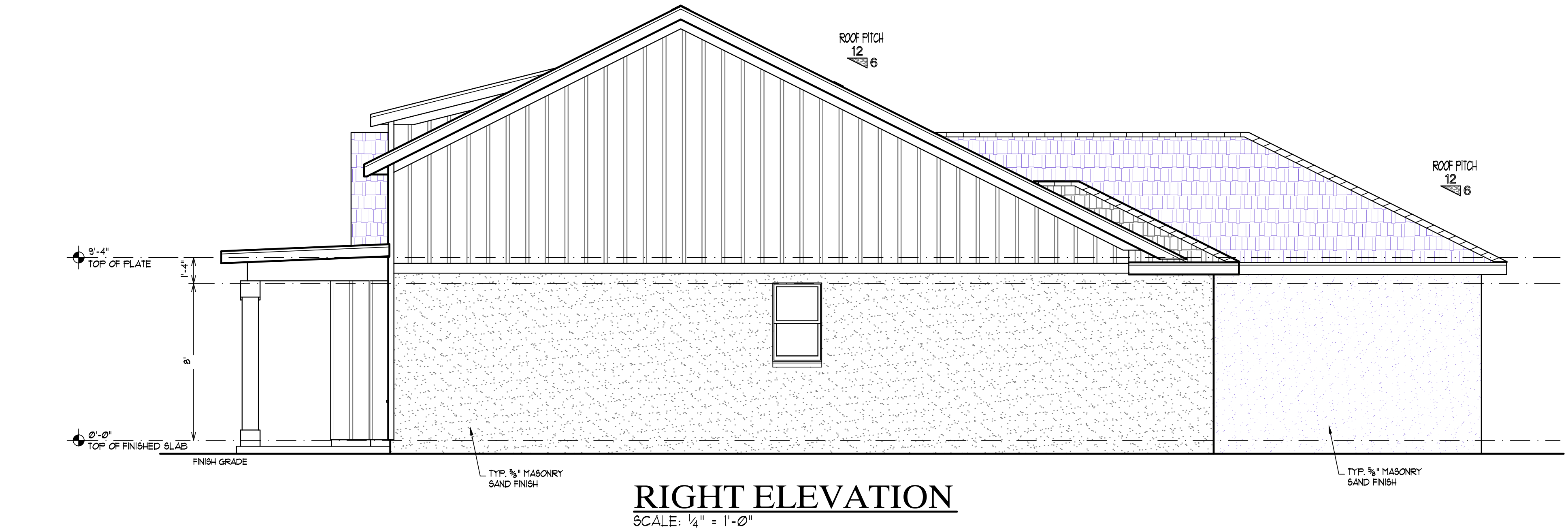
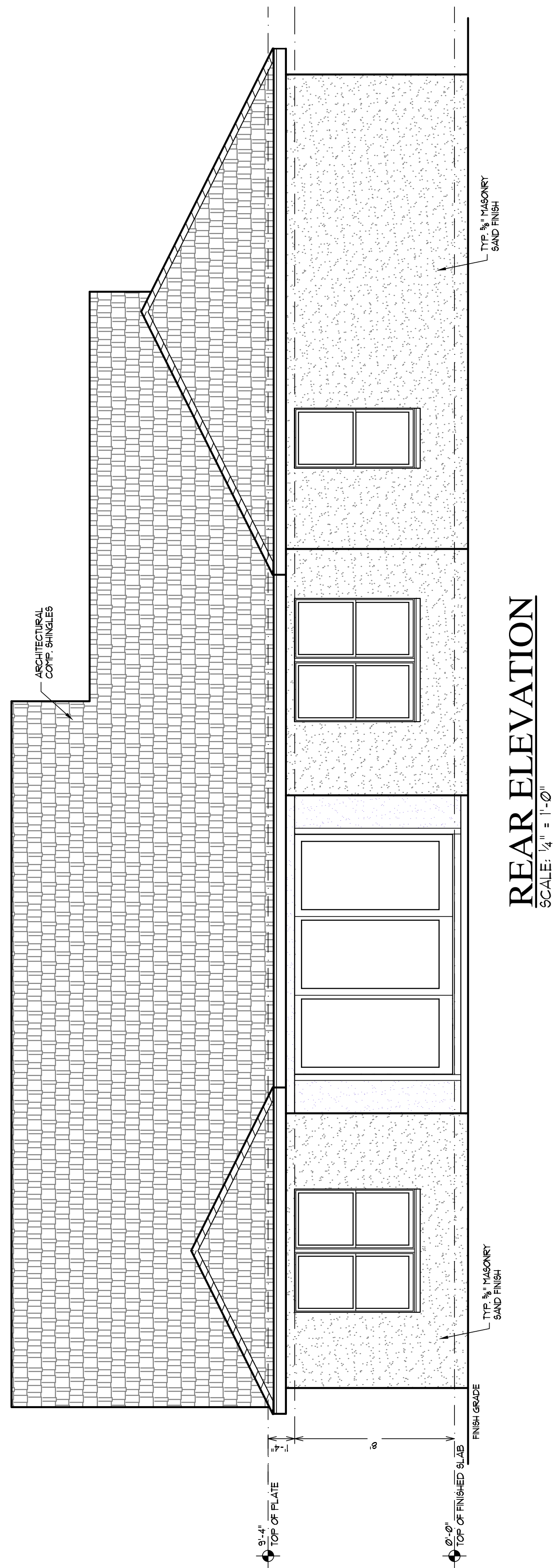
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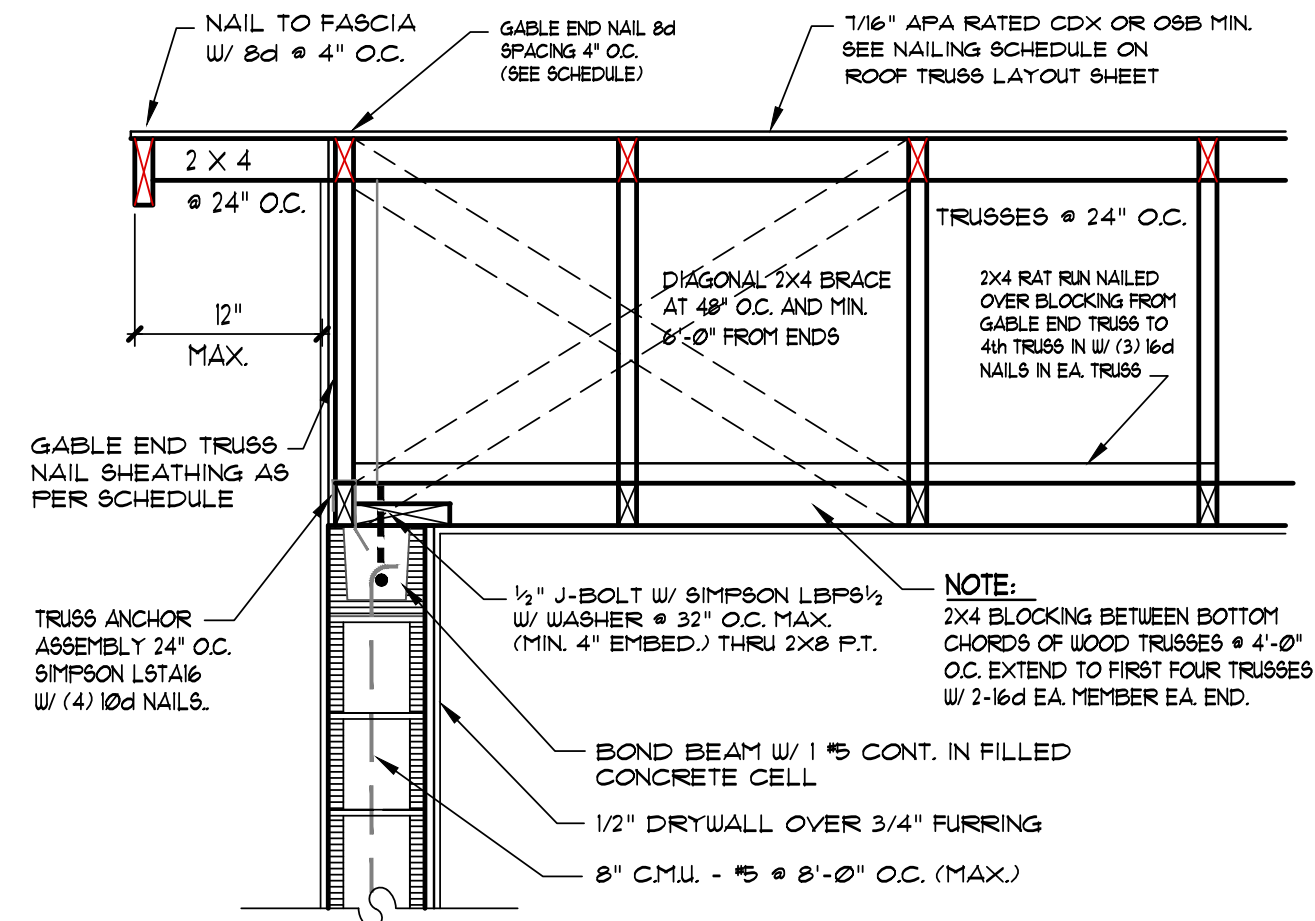


N.T.S.



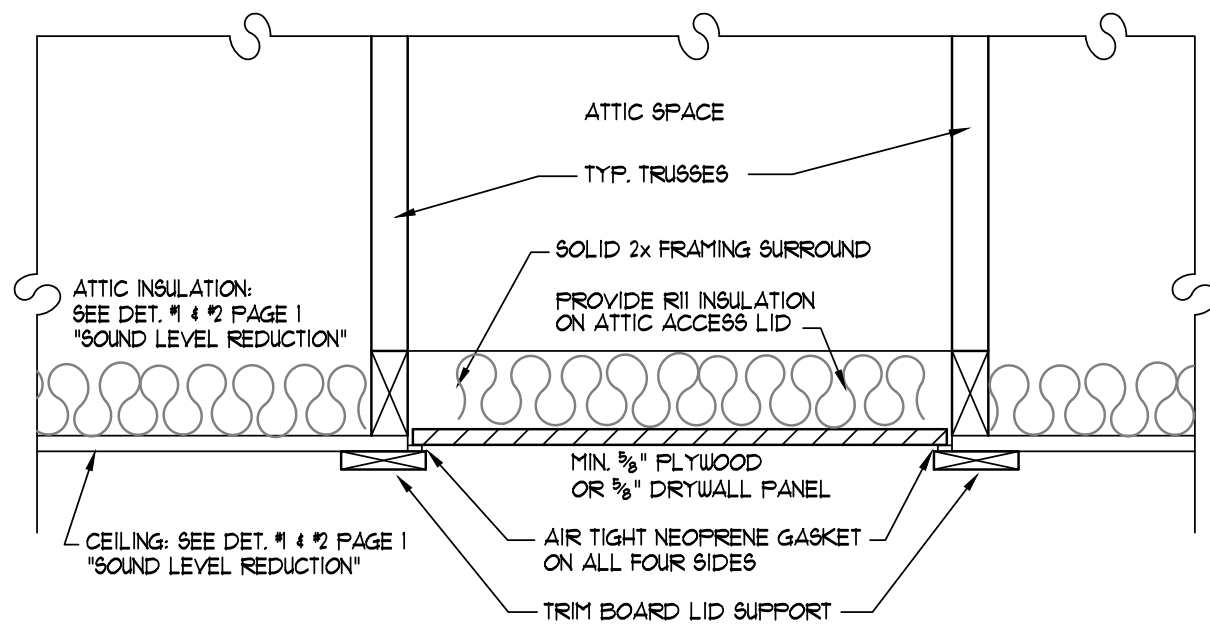
- 5" ROD IN FILLED CELL
MAX. SPACING 8'-0" O.C. UNO
- 2x4 INTERIOR WALLS @ 24" O.C.
W/ 8'-4" FLT. HT.
- 2x4 INTERIOR BRG. WALLS @ 16" O.C.
W/ 8'-4" FLT. HT.
- 8" CMU WALL
W/ 8'-4" FLT. HT.





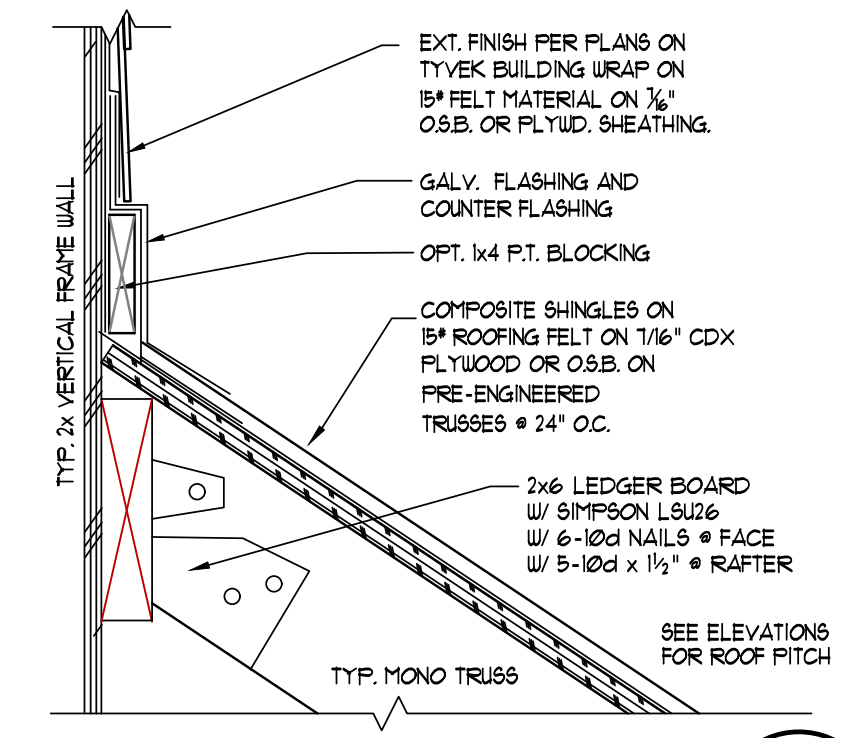
TRUSS TO MASONRY CONNECTION
DETAIL FOR FLAT GABLE END CEILINGS

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



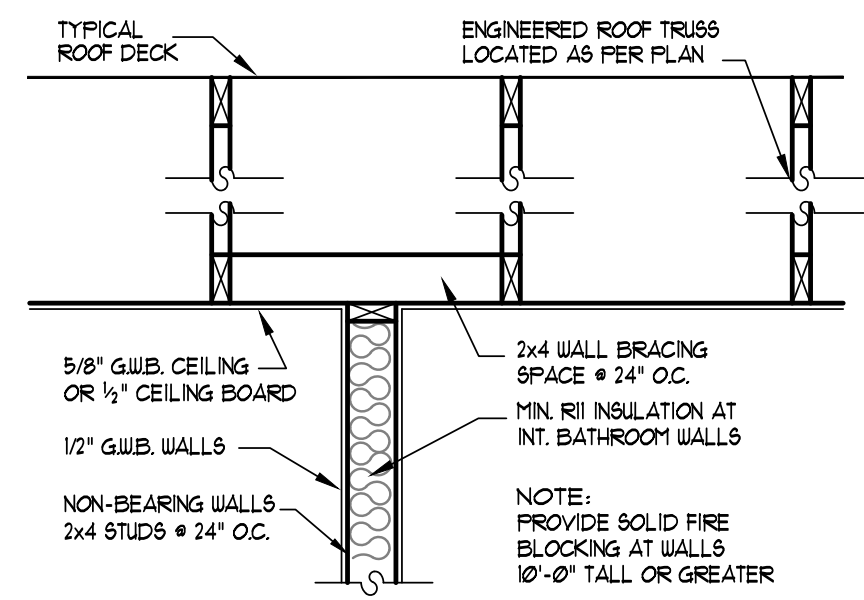
ATTIC ACCESS DETAIL

SCALE: 1 1/2" = 1'-0"



TYP. ROOF TO WALL ASSEMBLY

SCALE: 1/2" = 1'-0"



TYPICAL INTERIOR WALL
NON-LOAD BEARING

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

SHINGLE SPECIFICATION:
NOMINAL SIZE 13 1/4" x 38 3/4"
EXPOSURE 5 3/8"
SHINGLES PER SQ. FT. 66
BUNDLES PER SQ. 3
COVERAGE PER SQ. 93.9 SQ. FT.

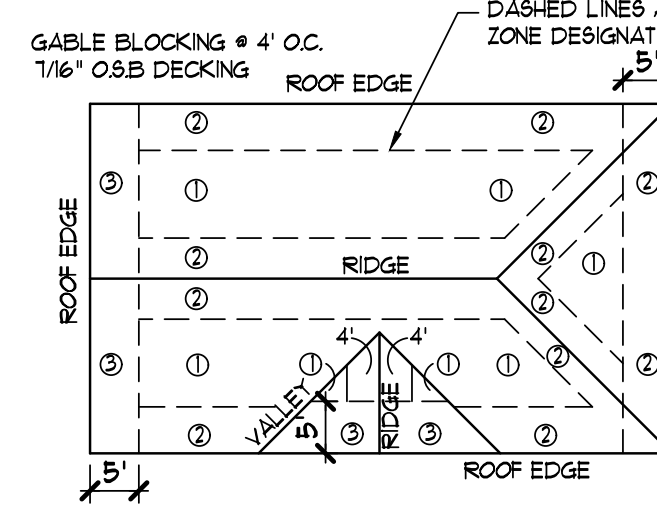
PRODUCT SPECIFICATION:
SHINGLES ARE HEAVILY TESTED TO MEET OR EXCEED APPLICABLE STANDARDS MEASURING FIRE COVERAGE AND WIND FORCE RESISTANCE.

APPLICABLE STANDARDS & CODES:
* ASPHALT SHINGLES SHALL CONFORM WITH ASTM D3161 (MODIFIED TO 140 MPH.)
* FLORIDA BUILDING CODE 2020

GENERAL TRUSS NOTES:
1- TRUSSES ARE TO BE ENGINEERED BY A LICENSED TRUSS MANUFACTURER.
2- APPLY HURRICANE STRAPS AS SPECIFIED TO EACH TRUSS END OR AS NOTED.
3- THE TRUSS MANUFACTURER OR CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY DIMENSIONS PRIOR TO THE CONSTRUCTION OF ANY TRUSS.
4- THE TRUSS MANUFACTURER TO SUPPLY SHOP DRAWINGS OF ALL TRUSS TYPES TO THE CONTRACTOR FOR APPROVAL PRIOR TO TRUSS CONSTRUCTION.
5- ALL TRUSS TO TRUSS CONNECTIONS ARE TO BE AND SUPPLIED BY THE TRUSS MANUFACTURER.

ROOF NAILING PATTERN (COMMON NAILS)
ZONE 1: USE 8d NAILS - 6" O.C. EDGES - 12" O.C. FIELD
ZONE 2: USE 8d NAILS - 6" O.C. EDGES - 6" O.C. FIELD
ZONE 3: USE 8d NAILS - 4" O.C. EDGES - 6" O.C. FIELD

MECHANICAL DRIVEN
USE 225 x .093 15/64 MIN. DIA. HEAD
ZONE 1: 6" O.C. EDGES - 8" O.C. FIELD
ZONE 2: 4" O.C. EDGES - 6" O.C. FIELD
ZONE 3: 4" O.C. EDGES - 6" O.C. FIELD

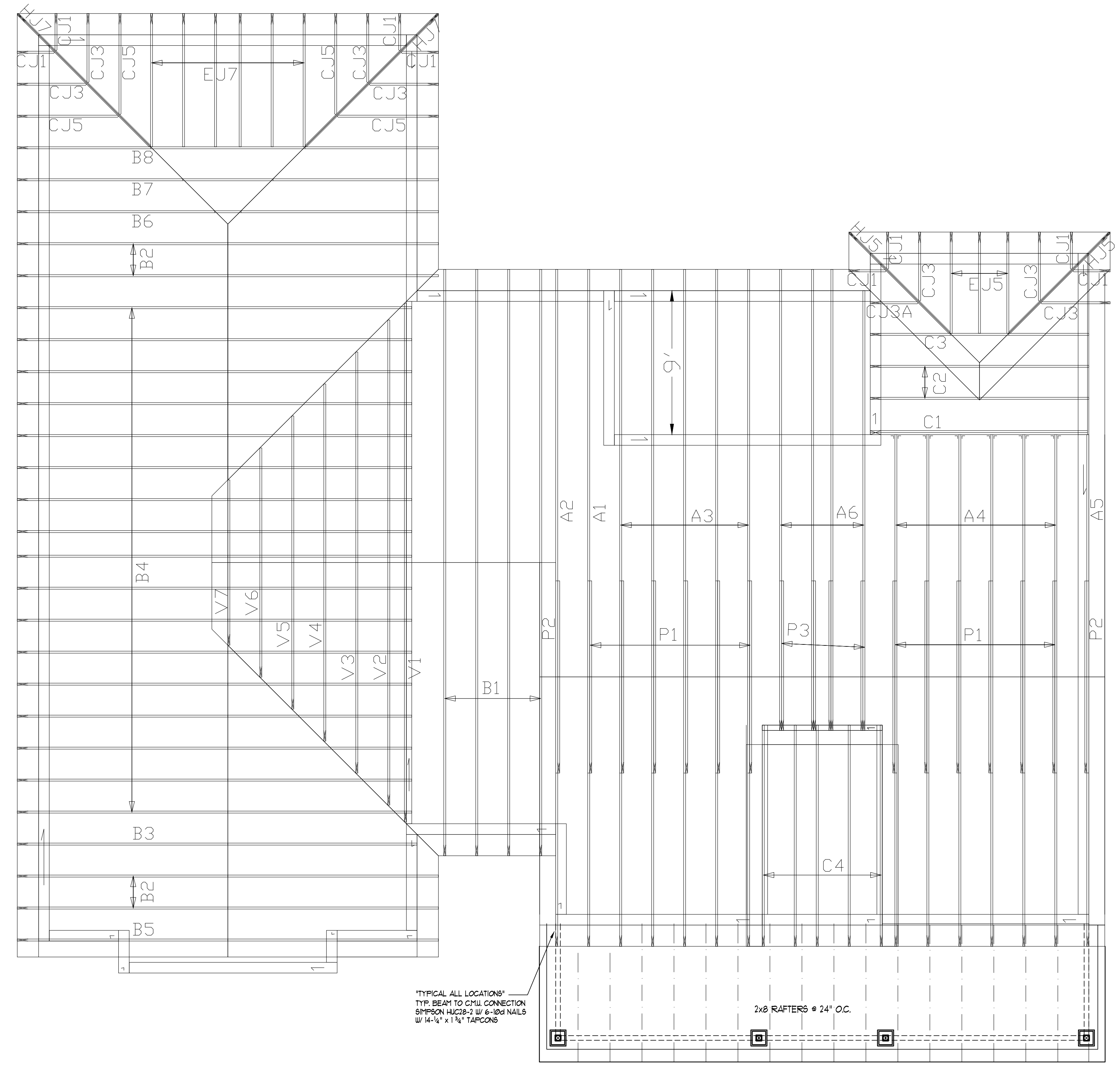


TYP. STRAP SCHEDULE: MAXIMUM 1 1/2" TOLERANCE BETWEEN STRAP AND TRUSS
1- ALL MASONRY TO TRUSS CONNECTORS TO BE SIMPSON *MTA16 W/ 9-10d x 1 1/2" NAILS
Max. wind load: 1450#
2- ALL FRAME TO TRUSS CONNECTORS TO BE SIMPSON *MTS16 W/ 14-10d x 1 1/2" NAILS
Max. wind load: 860#
3- ALL TRUSS TO TRUSS CONNECTORS TO BE PROVIDED BY TRUSS MANUFACTURER UNLESS NOTED OTHERWISE.

NAILING SCHEDULE FOR WALLS AND ROOF:
ROOF: WITHIN 4 FEET OF ALL EAVES, GABLES, RIDGES AND HIP: NAIL 4" O.C. ON EDGES AND INTERMEDIATE SUPPORTS ON EACH PANEL, ALL OTHER AREAS SHALL BE NAILED 6" O.C. AT EDGE AND 12" O.C. IN THE INTERIOR OF THE PANEL. NAIL SHEATHING 4" O.C. INTO ALL GABLE END TRUSS TOP CORDS.
SIDEWALL & GABLE ENDS: ALL SHEATHING FOR SIDEWALLS AND GABLE END WALLS SHALL BE NAILED 6" O.C. AT THE EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. FULL DEPTH BLOCKING SHALL BE PLACED AT ALL SHEATHING JOINTS NOT OCCURRING AT PLATES.
NAILS: NAILS USED IN ALL SHEATHING APPLICATIONS SHALL BE 8d, COMMON, RING OR SPIRAL SHANK, OR HOT DIPPED GALVANIZED, HAND OR GUN DRIVEN NAILS. GUN DRIVEN NAILS SHALL HAVE HEAD SIZE EQUIVALENT TO HAND DRIVEN NAILS. OTHERWISE SPACING SHALL REDUCE FROM 12" TO 10", 6" TO 5" AND 4" TO 3" IN THOSE APPLICATIONS.

ROOF TRUSS PLAN
SCALE: 1/4" = 1'-0"
TRUSSES @ 24" O.C. 6:12 SLOPE
TYP. 16" OVER HANG, (UNO.)
3:12 DORMER ROOF SLOPE - SEE ELEVATIONS

"H" CLIP NOTE:
PROVIDE METAL "H" CLIPS AT MID SPAN OF ALL ROOF DECK JOINTS.
FLASHING NOTE:
PROVIDE METAL FLASHING AT ALL ROOF VALLEYS AND ROOF TO WALL ASSEMBLIES.
TRUSS NOTE:
SEE ENGINEERS TRUSS PLANS AND SPECS FOR TRUSS TYPES. BUILDER TO APPROVE TRUSS PLANS PRIOR TO TRUSS MANUFACTURING.



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ROOF TRUSS PLAN
NOTES & DETAILS
REVISIONS

DRAWN BY:
RWW
CHECKED BY:
SF
DATE:
9-28-2021
SHEET
5
OF EIGHT

1. OPTIONAL INTERCOM SYSTEM AS PER OWNER.
2. OPTIONAL HOME SECURITY SYSTEM AS PER OWNER.
3. PROVIDE ELECTRICAL JUNCTION FOR FUTURE POOL.
LOCATION AS PER OWNER.
4. OPTIONAL ELECTRICAL FOR LANDSCAPE LIGHTING.
LOCATION AS PER OWNER.
5. OPTIONAL SPECIAL WIRING FOR SOUND SYSTEM.
AS PER OWNERS REQUEST.

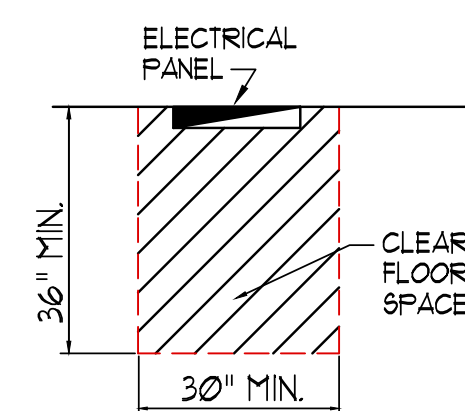


KITCHEN LIGHTING NOTE:

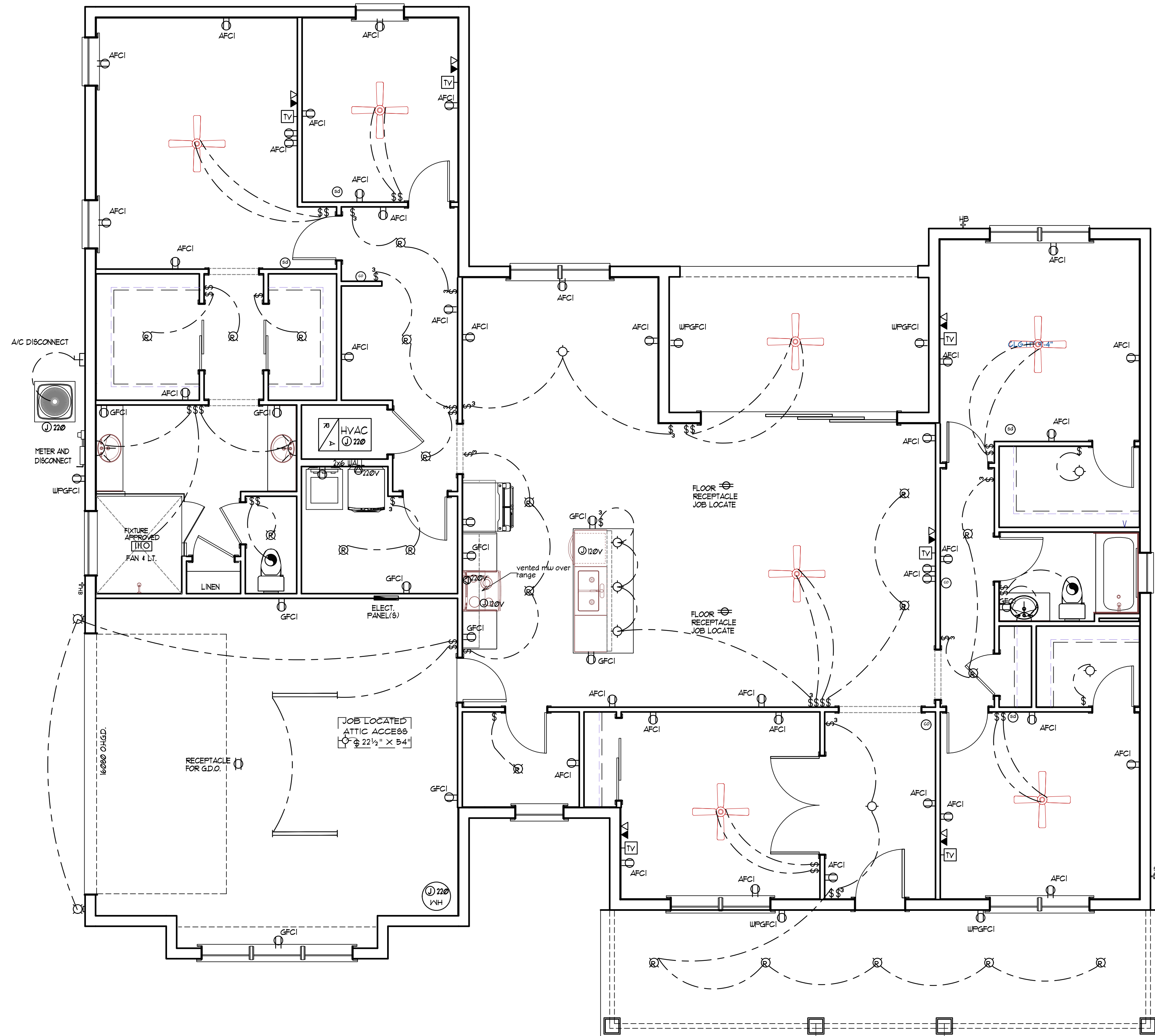
- 1) PROVIDE ONE RECEPTACLE ABOVE WALL CABINETS FOR OPTIONAL DECORATIVE PLUG IN LIGHTING.
- 2) PROVIDE ELECTRICAL WIRING FOR UNDER CABINET LIGHTING. LOCATE AT ALL TYPICAL WALL CABINETS.

ELECTRICAL LEGEND

-  DUPLEX RECEPTACLE
 220 VOLT RECEPTACLE
 AFCI ARC FAULT CIRCUIT INTERRUPTER REC.
 WUP GFI WEATHER PROOF RECEPTACLE
 GFI GROUND FAULT RECEPTACLE
 1/2 SW 1/2 SWITCHED RECEPTACLE
 SINK DISPOSAL
 SWITCH
 3 WAY SWITCH
 DIMMER SWITCH
 INCANDESCENT CEILING FIXTURE
 INCANDESCENT WALL FIXTURE
 WATER PROOF FAN 4 LIGHT FIXTURE
 TRACK LIGHTING
 220V 220 VOLT JUNCTION BOX
 110V 110 VOLT JUNCTION BOX
 BATHROOM EXHAUST FAN
 SMOKE DETECTOR
 CARBON MONOXIDE ALARM
 A/C THERMOSTAT
 PHONE
 INTERNET
 TV
 RECESSED CAN LIGHT
 FLUORESCENT LIGHT - 40W TUBE
 FLUORESCENT UNDER CAB. LT. (UCL)
 CEILING FAN



**FLOOR SPACE AT
ELECTRICAL PANEL**
SCALE: N.T.S.



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

- 1) PROVIDE ONE RECEPTACLE ABOVE WALL CABINETS FOR OPTIONAL DECORATIVE PLUG IN LIGHTING.
- 2) PROVIDE ELECTRICAL WIRING FOR UNDER CABINET LIGHTING. LOCATE AT ALL TYPICAL WALL CABINETS.
- 3) PROVIDE ELECTRICAL WIRING FOR TOE KICK LIGHTING IN KITCHEN AND MASTER BATHROOM VANITY.

SMOKE DETECTORS SHALL BE IN ALL SLEEPING AREAS, SHALL BE INTERCONNECTED, SHALL BE 36" FROM WITHIN 12' TO 36" OF PEAK AND SHALL BE 36" FROM THE SUPPLY OR RETURN AIR STREAM, AND EQUIPPED WITH A BATTERY BACK-UP.

O.H.D. OPENER ELECTRICAL AS PER FBC-R SECTION 309.4

LAUNDRY ROOM ELECTRICAL AS PER NEC ARTICLE 2108 (A).

SLEEPING ROOM ELECTRICAL AS PER NEC ARTICLE 210.12 (A).

ATTIC LIGHTING AS PER NEC ARTICLE 210.52 (A) (2) (3).

ATTIC LIGHTING AS PER NEC ARTICLE 210.10 (A) (3).

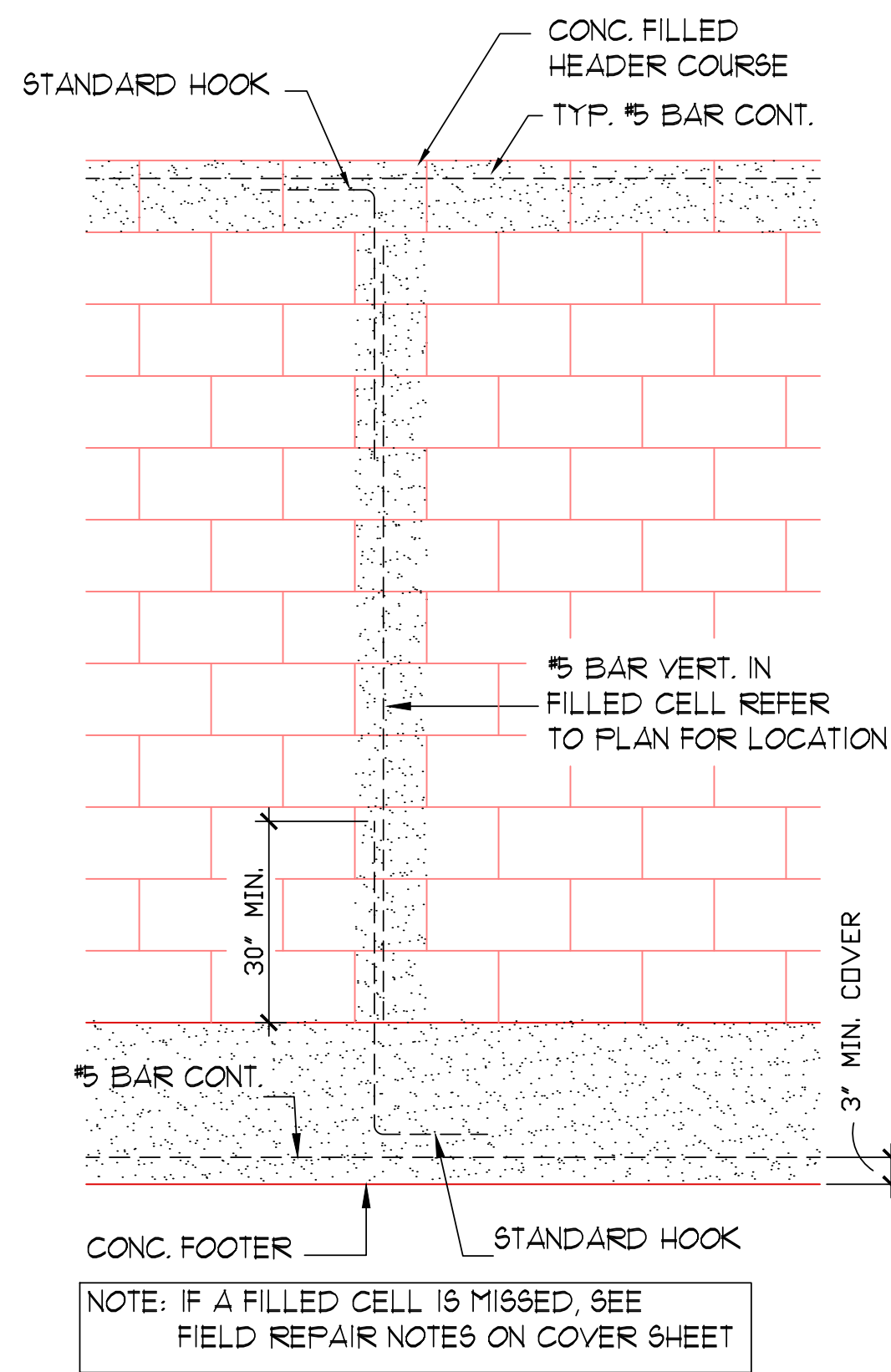
RANGE HOOD NOTE:
RANGE HOOD INSTALLATION NOTE: AS PER FBC SECTION 1072.1.
BUILDER TO PROVIDE ALL MANUFACTURER SPECIFICATIONS.

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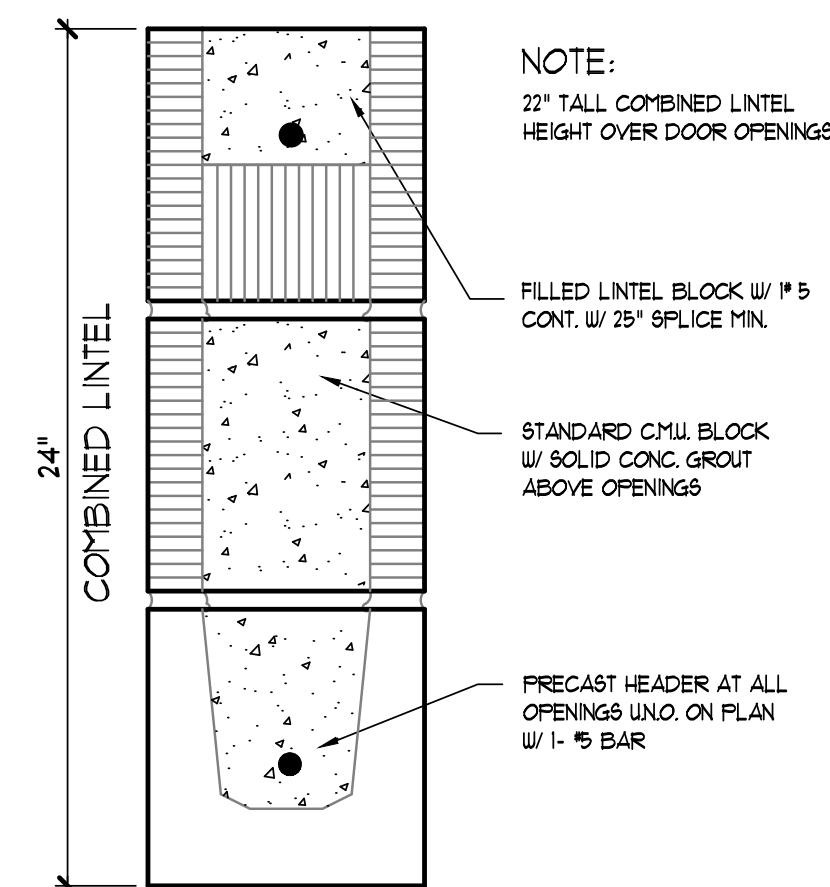
231 Cedar Creek Drive
Elizabethtown, Kentucky 42701
(270) 360-9098

PREVISIONS:

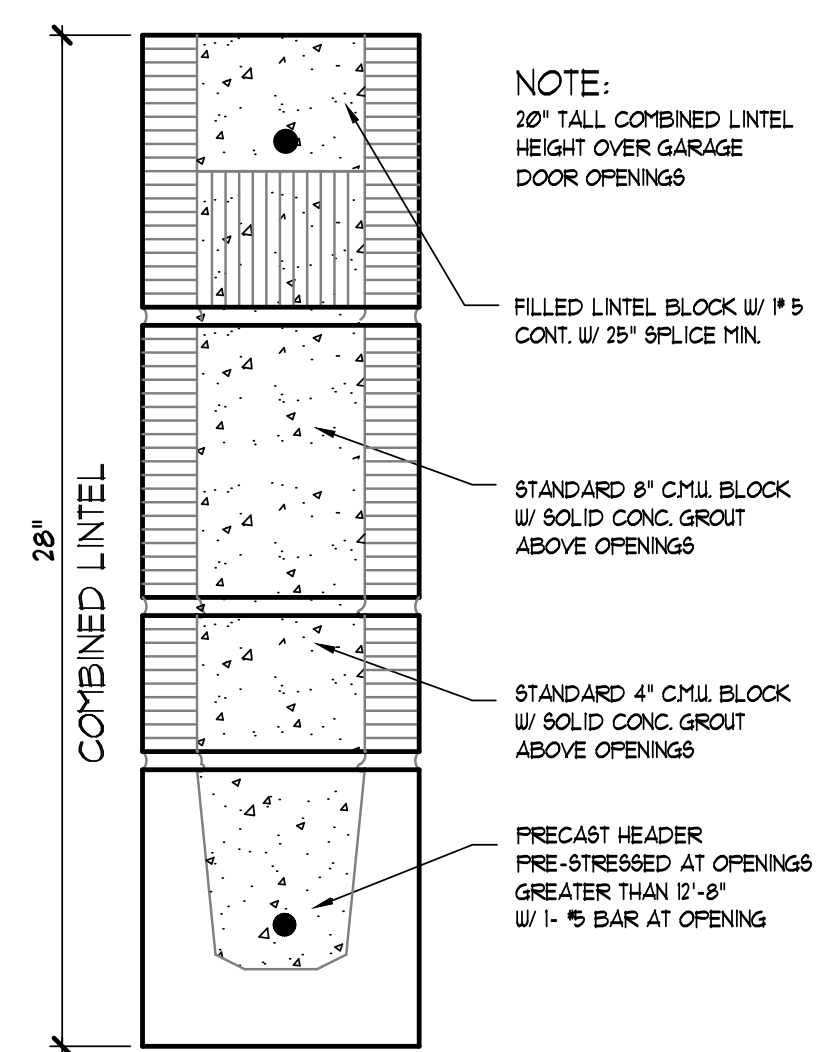
SHEET
6
OF EIGHT



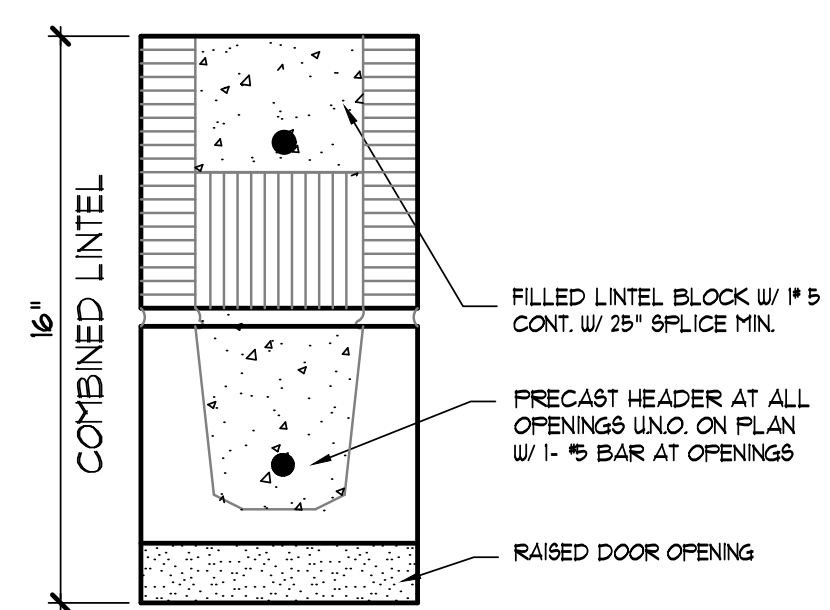
TYP. VERTICAL FILLED CELL DET. 4
SCALE: N.T.S.



TYP. FILLED LINTEL DET. 1
SCALE: N.T.S.

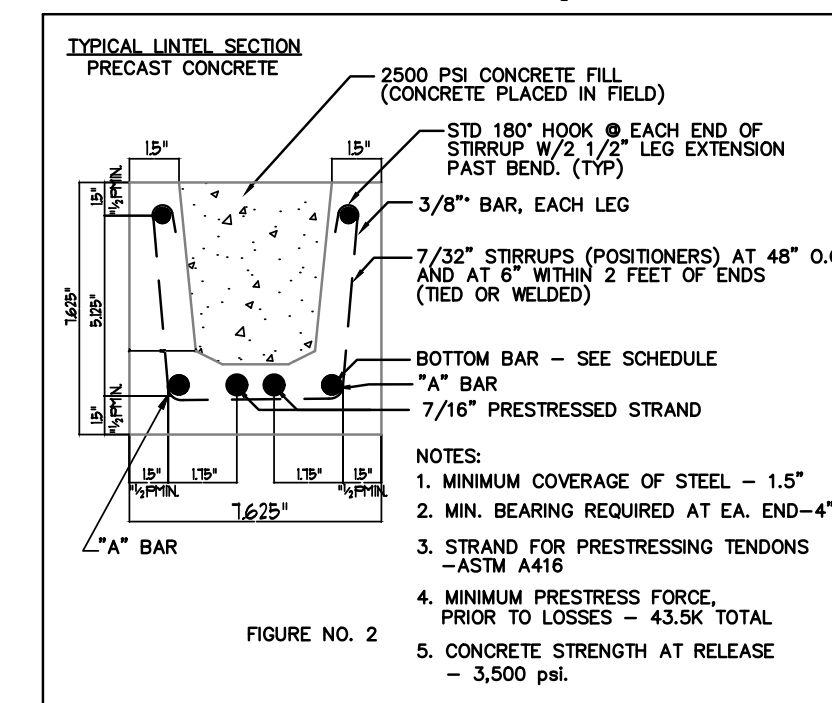


TYP. GARAGE LINTEL DET. 2
SCALE: N.T.S.



TYP. DOOR LINTEL DET. 3
SCALE: N.T.S.

NOTE: (P.S.) represent precast lintels prestressed using (2) 7/16" Diameter Prestressing Strands.



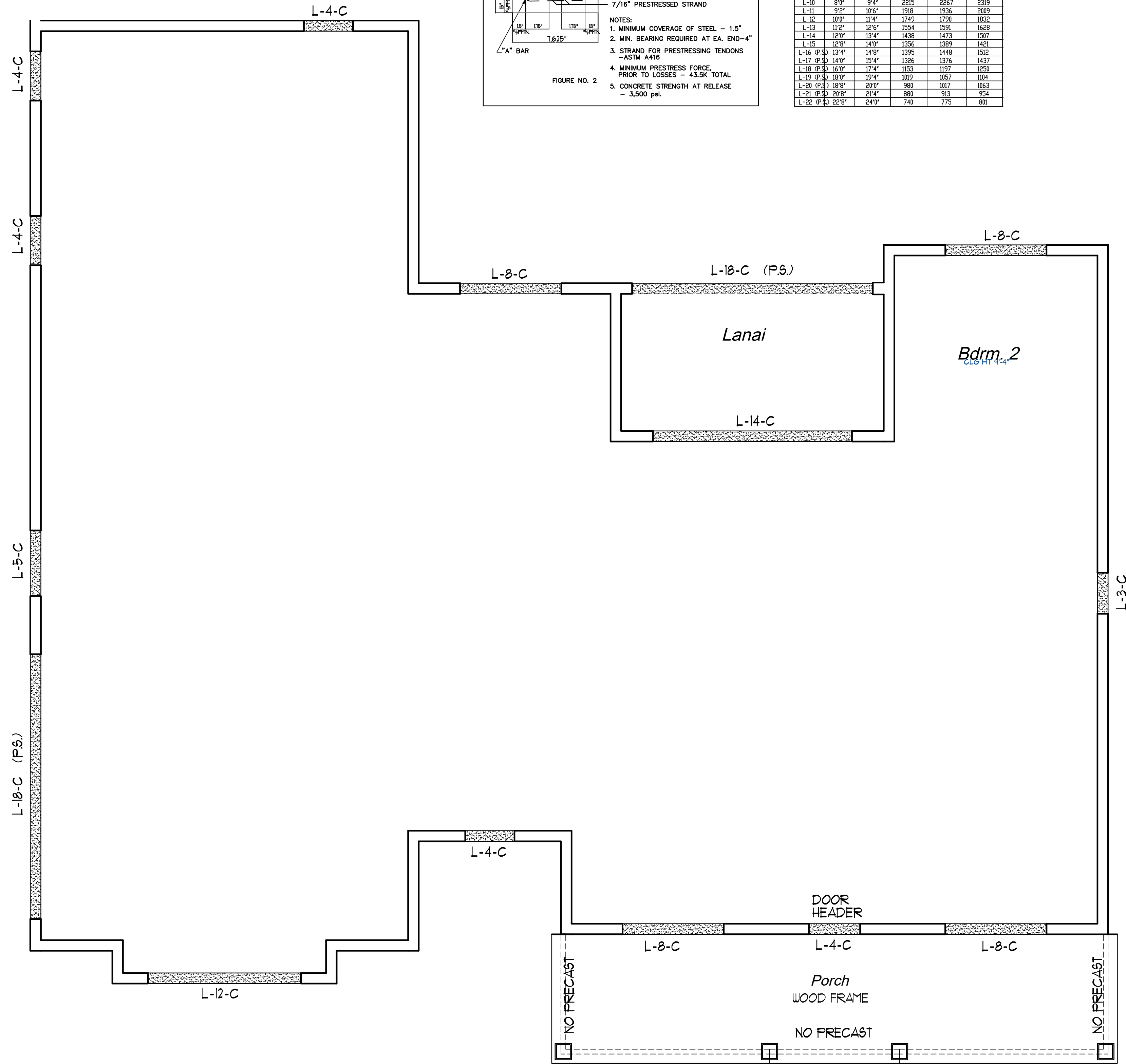
SAFE LOAD TABLES

Precast Lintel (8'x16" composite)

Mark No.	Nominal Span	Total Clear	Total Allowable Superimposed Load - Pounds Per Linear Foot	
			Unstressed	Prestressed
L-1	1'x1"	2'0"	12,274	12,293
L-2	2'x2"	2'0"	8,488	8,660
L-3	2'x3"	2'0"	6,868	7,023
L-4	2'x4"	2'0"	5,772	5,902
L-5	2'x5"	2'0"	4,546	4,649
L-6	2'x6"	2'0"	3,208	3,282
L-7	2'x7"	2'0"	2,382	2,460
L-8	2'x8"	2'0"	1,988	2,075
L-9	2'x9"	2'0"	1,548	1,647
L-10	2'x10"	2'0"	1,112	1,217
L-11	2'x11"	2'0"	808	858
L-12	2'x12"	2'0"	574	614
L-13	2'x13"	2'0"	354	394
L-14	2'x14"	2'0"	188	218
L-15	2'x15"	2'0"	128	158
L-16 (P.S.)	2'x16"	2'0"	1,295	1,448
L-17 (P.S.)	2'x17"	2'0"	1,326	1,576
L-18 (P.S.)	2'x18"	2'0"	1,153	1,397
L-19 (P.S.)	2'x19"	2'0"	1,019	1,258
L-20 (P.S.)	2'x20"	2'0"	980	1,163
L-21 (P.S.)	2'x21"	2'0"	880	1,113
L-22 (P.S.)	2'x22"	2'0"	740	1,081

NOTES:

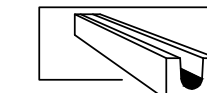
1. MINIMUM COVERAGE OF STEEL - 1.5"
2. MIN. BEARING REQUIRED AT EA. END - 4"
3. STRAND FOR PRESTRESSING TENDONS - ASTM A416
4. MINIMUM PRESTRESS FORCE, PRIOR TO LOSSES - 43.5K TOTAL
5. CONCRETE STRENGTH AT RELEASE - 3,500 psi.



PRECAST LINTEL PLAN

SCALE: 1/4" = 1'-0" LINTELS FROM COLUMN "C"

"MAY SUBSTITUTE EQUIVALENT MANUFACTURER"



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P.O. Box 11 - Brandon, Florida 33509-0011
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PRECAST LINTEL PLAN

REVISIONS

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SHEET

7
OF EIGHT

