500 sqft Living addition over garage.

17 sqft of Garage becomes living on first floor.

Existing Area Calculations

First Floor

Living: 1297sf
Front Porch: 30sf
Garage: 786sf
Screen Porch: 243sf

Second Floor

N/A

2356sf

Living:

Totals

Total Area:

Post Construction Area Calculations

First Floor

Living: 1314sf
Front Porch: 30sf
Garage: 769sf
Screen Porch: 322sf

Second Floor

Living:

Totals

500sf

Total Living: 1814sf
Total Area: 2935sf

General Structure Data:

Occupancy Type: R-3
Construction Type: V-B
Building Area: 2935sf





STRUCTURAL ONLY

ris Feddersen

REVISIONS Description

Date

Valued Customer 345 Saturn Ter Brevard, FL 32952

Project N 0000

Project № 0000000

COVER PAGE I

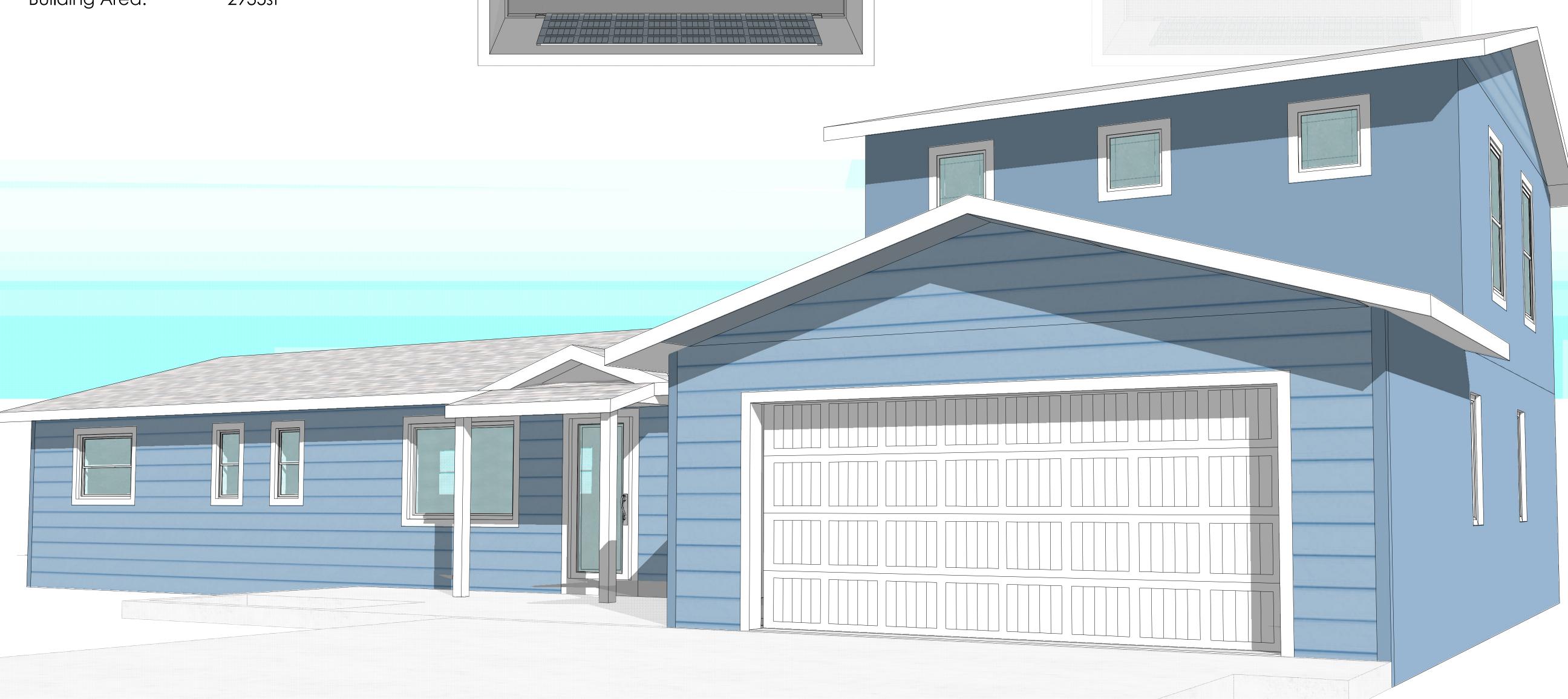
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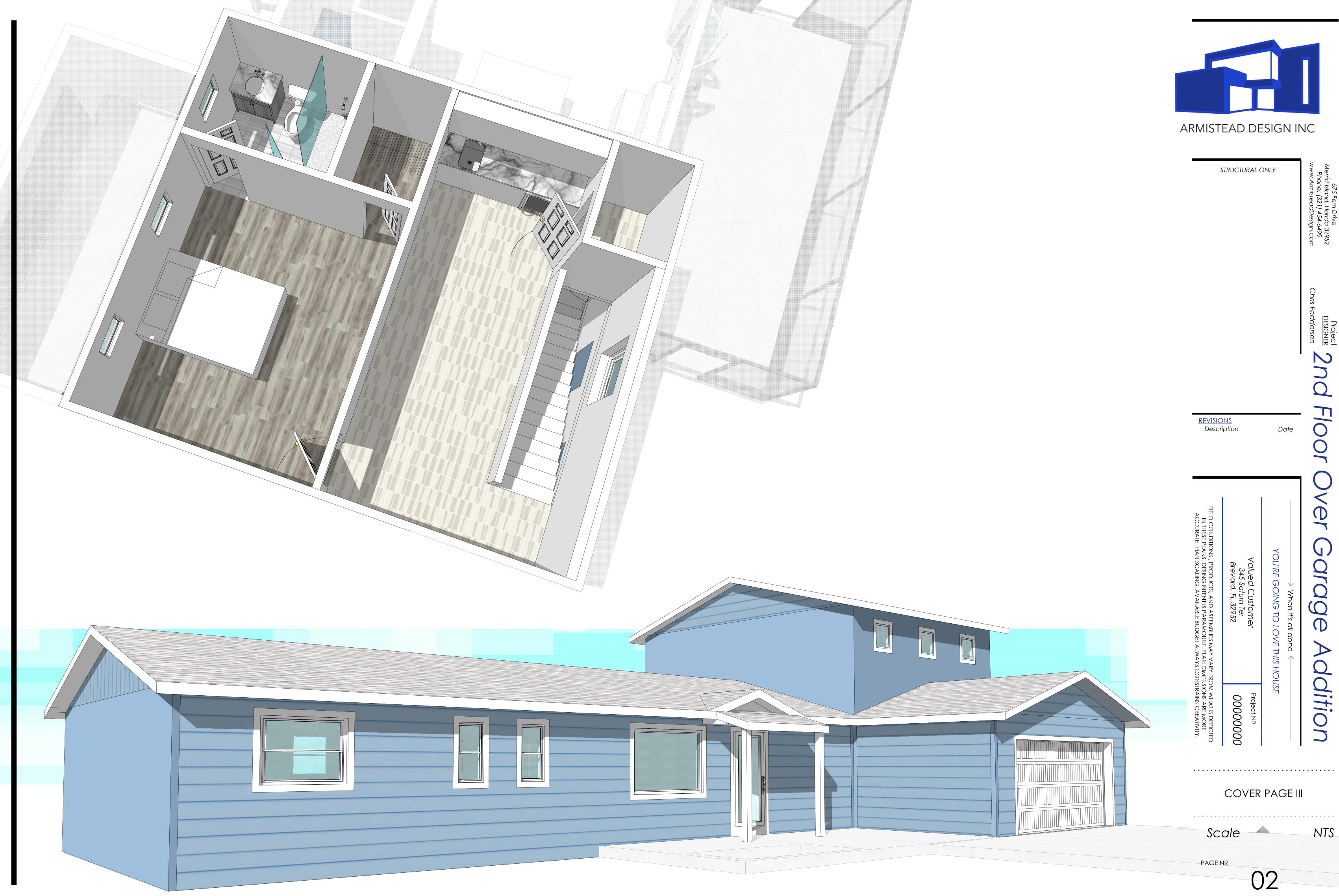
Scale

NT.

PAGE Nº

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NTS

provided. 2. All material must be new without blemishes or defects of any kind.

3. All work should be of the highest quality for the trade involved.

4. Unless noted otherwise (uno), all work shall be guaranteed for a minimum of one year from the date of occupancy.

5. General contractor and subcontractors must be currently licensed in the state of Florida to perform their

6. Owner must approve substitutions of any item. 7. General contractor shall be responsible for the coordination and quality of workmanship by all trades. This includes proper installation of any roofing systems, flashings, sealants, secondary water proofing, and any other

required resistance to water intrusion. 8. General contractor must obtain and maintain liability insurance as required by contract until completion of the

9. If any part of these documents is not clear, the general contractor or the subcontractor must ask the Engineer for clarification. Lack of understanding does not excuse improper installation or construction. 10. These plans have been prepared in compliance with the latest edition of the Florida Building Code with current

revisions. 11. Dimensions should be used in lieu of scaling. 12. All new exterior doors and windows shall be wind resistant and installed per manufacturer's specifications

to ensure that they will meet wind load requirements.

Concrete

All concrete shall be as designed to develop a compressed strength as follows: foundations 2500 psi 2. All reinforced steel shall be deformed bars conforming to ASTM A-615 Grade 40

All concrete reinforcement shall be detailed. fabricated, labeled, supported and spaced in forms and secured in place as per building code requirements for reinforced concrete. ACI 318-19 and the manuals of standard practice for detailing reinforced concrete structures, ACI 315 latest edition.

4. All #5 bar splices and dowels shall lap 25 inches unless noted otherwise.

5. Unless otherwise permitted or specified, the concrete shall be proportional and produced to have a slump of 3" minimum and 5" maximum immediately after depositing.

Welded wire fabric shall conform to ASTM-185.

1.5#/yd fibermesh may be used with or in lieu of WWF or

Minimum concrete protection for reinforcing bars:

structural part cover minimum clear footings, (concrete cast against and 3 inches permanently exposed to earth)

Footing and walls (concrete cast in forms 2 inches

permanently exposed to earth)

slab (in contact with earth)

columns (to ties) above grade

2 inches beams (to stirrups)

2 inches

2 inches

Foundations and slabs on grade are designed to bear on soil with minimum safe bearing capacity of 2000 P.S.F. It is the responsibility of the contractor to provide the required capacity under all foundations and slabs. 9. Control joints shall be installed per ACI 224.3R.

Masonry construction shall conform to ACI 530 & 530.1, Building Code Requirements for Masonry Structures, ASN specifications. Masonry walls have been designed as reinforced masonry retaining walls.

2. Concrete blocks shall conform to ASTM C 90 (28 days strength = 2000 Psi (net area), Fm = 1500 Psi) Laid in running bond with full mortar embedment.

3. Mortar/Concrete/Grout shall be type M.

4. Reinforce masonry walls vertically as indicated on plans. Use 3000 psi concrete grout for filled cells. 5. Locate one filled cell at each side of openings, @ corners, wall intersections, high side of wall step up, within 8" of girder locations, and at internal bearing walls.

6. Fill the cell full height with grout and (1) #5 rebar. 7. All vertical reinforcing shall be provided as indicated and shall be installed as follows:

Provide clean-out space at bottom of each reinforced cell (at location of reinforcing steel dowel in foundations or previous concrete placement) Install vertical steel tied to dowel at bottom and at top. Cover clean out opening and fill with 3000 psi grout.

Continuous bond beams shall be provided as shown on the wall section(s).

All reinforcing steel shall conform to ASTM A615 Grade 40. 10. 8" deep bond beam with (1) #5 continuous.

Install (1) #5 below window openings.

12. Conrol joints shall be installed per NCMA TEK 10-02D.

Roof Notes

1. The roof trusses shall be sheathed Per TYPICAL NAILING SCHEDULE. 2. Contractor to provide roof vent that complies with

Florida Buildina Code section R806 3. Galv (26 ga min) or alum flashing shall be used

at gutters, wall & roof intersections, roof slope changes, & roof openings. Use of weep screeds, control joints, or expansion joints shall be used to drain moisture. Only workers who understand proper installations of any water barriers, including flashings and sealants, shall be used.

4. For tile roof use 30# dry in, 90# felt and hot mop w/ screw down installation per Roof Tile Institute System Two, UNO. Install tile roof system in accordance w/ FRSA/TRI per FBC 1507.3.7 & FBCR 905.3.

Framing Notes

1. Structural lumber shall be 2X4 SPF Grade 2 minimum. Stud spacing on interior and exterior bearing walls shall be 16"oc UNO. Walls shall be anchored with 1/2" dia. anchor bolts, 10" long spaced 48"oc UNO. 2. 2X studs at 16" O.C. shall be used for interior partition walls. Stud spacing for all walls shall not exceed 16"oc.

3. When manufactured wood connectors are used, framing contractor is to follow manufacturer's recommendations as to quantity and size of nails. If engineer specified connector will not work in field, please contact engineer for substitution. 4. Supplier of pre-engineered trusses shall provide roof truss plans sealed by a Florida Registered

Precast Concrete Lintels

Professional Engineer.

1. All precast concrete lintels shall have a minimum bearing of 8" on each side.

2. Lintels over openings larger than 14'-0" must be pre-stressed.

3. All lintels are to have 1 #5 bar (2 #5 bars for openings over 10'-0") and concrete poured in lintel cavity, unless noted otherwise.

4. Lintels to be Cast-Crete or equivalent.

Moisture Mitigation & Water Leaks

1. Moisture and leaks are major concerns. Contractor shall ensure all ventilation including but not limited to roof & any crawl space (as applicable) are installed per current Code requirement.

2. Contractor shall ensure all roof, wall, door, window, deck, and balcony flashings & waterproofings are installed correctly & meet all current code requirements. 3. Ventilation and waterproofing shall be addressed by the contractor even if any of these were omitted in these drawings.

#5 dowel 12"

embedment and

minimum

Wind Load Notes

These plans prepared to comply with FBC latest edition (see SH1).

1. Ultimate Design Wind Speed: 150mph

2. Exposure Category: B

3. All new structures and openings on this plan are designed as fully enclosed.

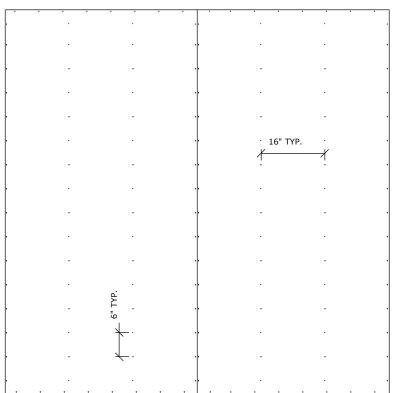
4. According to ASCE 7-16, this structure occurs within the wind-bourne debris region. Protection of openings is required.

5. All new exterior doors and windows must be installed per manufacturer's specifications to ensure that it will meet design wind load requirements.

6. Exterior doors and windows shall comply with testing and labeling requirements of FBC.

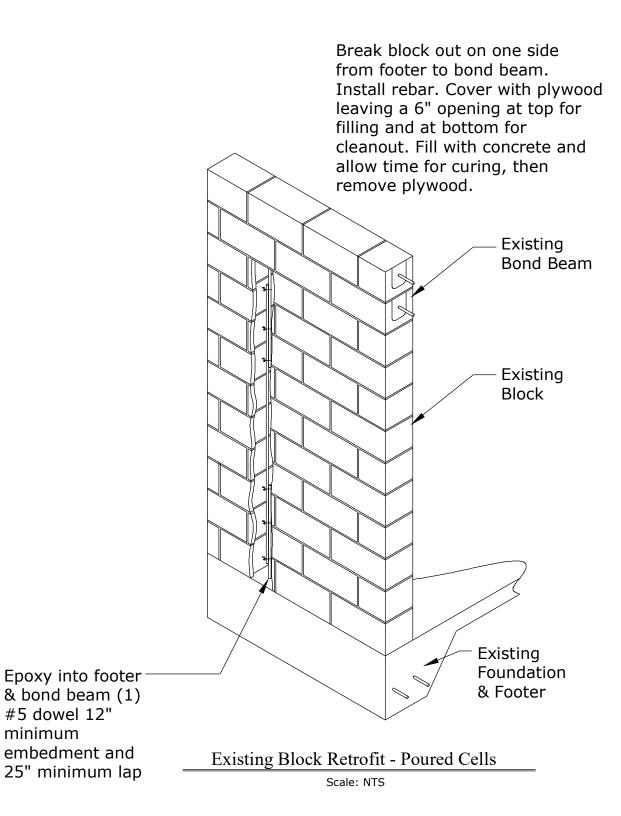
7. 7. ROOF LIVE LOAD (LL)=20 PSF; ROOF DEAD LOAD (DL) (SHINGLE)=7 PSF; ROOF DL (TILE)=15 PSF; BOTTOM CHORD DL=10 PSF FLOOR LL=40 PSF (BALCONY LL=60 PSF). FLOOR TOP CHORD DL=10 PSF, FLOOR BOTTOM CHORD DL=5 PSF. 8. Internal Pressure Coefficient: +/-0.18

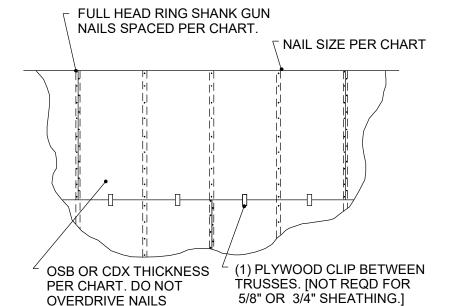
9. Risk Category II



USE 8d GUN NAILS (2" x .113"Ø MIN.) SPACED 6" O/C. PLACE NAILS 3/8" MIN. FROM EDGES & 2" MIN FROM CORNERS. PROVIDES 200 plf OF SHEAR STRENGTH.

/1101\ 7/16" OSB SHEAR SPECIFICATIONS





USE 8d GUN NAILS FOR SHEATHING 15/32" OR LESS. OTHERWISE USE 10d GUN NAILS. E = PANEL EDGES, F = PANEL FIELD.

	EXPOSURE B				EXPOSURE C				EXPOSURE D			
MPH	SHEATHING THICKNESS (IN)	SPAN RATING (IN)	NAIL SPACING (IN)		SHEATHING THICKNESS (IN)	SPAN RATING (IN)	NAIL SPACING (IN)		SHEATHING THICKNESS (IN)	SPAN RATING (IN)	NAIL SPACING (IN)	
			E F			Е	F	, ,		Е	F	
140	7/16	24/16	6	6	19/32	40/20	6	6	19/32	40/20	6	6
150	15/32	32/16	6	6	19/32	40/20	6	6	19/32	40/20	4	4
160	19/32	40/20	6	6	19/32	40/20	6	6	19/32	40/20	4	4
170	19/32	40/20	6	6	19/32	40/20	4	4	23/32	48/24	4	4
180	19/32	40/20	6	6	23/32	48/24	4	4	23/32	48/24	4	4

TYPICAL NAILING SCHEDULE NAILSCHEDULE.dwg 13MAY21 SEK SCALE: NTS

ABBREVIATIONS

INSUL.

INSULATION

RADIUS

GRADE 2 DIMENSIONAL LUMBER

DEG.

DEGREES

#2	GRADE 2 DIMENSIONAL LUMBER	DEG.	DEGREES	INSUL.	INSULATION	R	RADIUS
Α	AMPERES	E.A.	EXPANSION ANCHOR	INT.	INTERIOR	R.D.L.	ROOF DRAIN LEADER
A.B.	ANCHOR BOLT	E.F.	EXHAUST FAN	J-BOX	JUNCTION BOX	R.D.O.	ROOF DRAIN OVERFLOW
A.F.F.	ABOVE FINISHED FLOOR	E.J.	EXPANSION JOINT	JCT	JUNCTION	R.O.	ROUGH OPENING
A.F.G.	ABOVE FINISHED GRADE	E.N.	END NAILING	JST.	JOIST	R.O.W. or R/W	RIGHT OF WAY
A/C	AIR CONDITIONING	E.W.	EACH WAY	JT.	JOINT	REF	REFRIGERATOR
AFI	ARC FAULT CIRCUIT INTERRUPTER	EA.	EACH	K-D	KNOCK DOWN	REF.	REFERENCE
ABS	ACRYLONITRILE-BUTADIENE-STYRENE	EL	ELEVATION	KD	KILN DRIED	REINF.	REINFORCED
ABV.	ABOVE	ELECT.	"ELECTRIC, ELECTRICAL"	KO	KNOCK OUT	REQ'D.	REQUIRED
ACOU.	ACOUSTIC	ELEV.	ELEVATOR	L.E.D.	LIGHT EMITTING DIODE	RET.	RETURN
ACT	ACOUSTICAL CEILING TILE	EMC	ELECTRICAL METALLIC CONDUIT	L.FT.	LINEAR FEET	REV.	REVISION
ADD.	ADDITION or ADDENDUM	EMT	ELECTRICAL METALLIC TUBING	LAM	LAMINATE	RM	ROOM
AG	ABOVE GRADE	ENT	ELECTRICAL NON-METALLIC TUBING	LAT.	LATERAL	RMV.	REMOVE
AHU	AIR HANDLER UNIT	EQ.	EQUAL	LAV	LAVATORY	S.C.	SOLID CORE
	-				-	S.D.	
AL. or ALUM.	ALUMINUM	EQUIP.	EQUIPMENT	LD.	LEAD		SMOKE DETECTOR
ALT.	ALTERNATE	EST.	ESTIMATE	LDT	LARGE DIAMETER TAPCON	S.O.V.	SHUT OFF VALVE
ASPH.	ASPHALT	EVAP.	EVAPORATIVE COOLER	LIN.	LINEAR	S/L	SKYLIGHT
AVG	AVERAGE	EXC	EXCAVATE	LINO.	LINOLEUM	S/S	STAINLESS STEEL
AWG	AMERICAN WIRE GAUGE	EXH.	EXHAUST	LT.	LIGHT	SC	SELF CLOSING
<u> </u>	ANGLE	EXIST. or E	EXISTING	LTG.	LIGHTING	SCHED.	SCHEDULE
B.F.F.	BELOW FINISHED FLOOR	EXT.	EXTERIOR	LVL	LAMINATED VENEER LUMBER	SECT.	SECTION
B.M.	BENCH MARK	F.A.	FIRE ALARM	M.B.	MACHINE BOLT	SES	SERVICE ENTRANCE SECTION
B.N.	BOUNDARY NAILING	F.C.	FAN COIL	M.H.	MANHOLE	SH	SHEET
B.O.	BOTTOM OF	F.C.O.	FLOOR CLEAN OUT	M.I.	MALLEABLE IRON	SHT'G.	SHEATHING
B.O.F.	BOTTOM OF FOOTING	F.D.	FLOOR DRAIN	M.O.	MASONRY OPENING	SIM.	SIMILAR
B.U.	BUILT UP	F.E.	FIRE EXTINGUISHER	MAR.	MARBLE	SPA.	SPACE
B/C	BACK OF CURB	F.N.	FIELD NAILING	MAS.	MASONRY	SPECS	SPECIFICATIONS
BD.	BOARD	F.O.	FACE OF	MAT'L	MATERIAL	SPKR.	SPEAKER
BLDG	BUILDING	F.S.	FLOOR SINK	MAX.	MAXIMUM	SPF	SPRUCE PINE FIR
		_					
BLK.	BLOCK	F/G	FIBERGLASS	MECH.	MECHANICAL	SQ. FT.	SQUARE FEET
BLKG.	BLOCKING	FAB.	FABRICATE	MED.	MEDIUM	SQ. IN.	SQUARE INCHES
BM.	BEAM	FACP	FIRE ALARM CONTROL PANEL	MFG.	MANUFACTURING	STC	SOUND TRANSMISSION CLAS
BR	BRASS	FDC	FIRE DEPARTMENT CONNECTION	MFR.	MANUFACTURER	STD.	STANDARD
BRG.	BEARING	FDN.	FOUNDATION	MIN.	MINIMUM	STL.	STEEL
BRZ	BRONZE	F.F.E.	FINISHED FLOOR ELEVATION	MISC.	MISCELLANEOUS	SUSP.	SUSPENDED
C.D.	CONSTRUCTION DOCUMENTS	FIN.	FINISH	MOD	MODULAR	SW	SWITCH
C.I.P.	CAST IN PLACE	FL FL	FLOOR	MTL.	METAL	SYM	SYMMETRICAL
		_					
C.J.	CONTROL JOINT	FLG.	FLOORING	MUL	MULLION	SYP	SOUTHERN YELLOW PINE
C.O.	CLEAN OUT	FLUOR.	FLUORESCENT	N.I.C.	NOT IN CONTRACT	SYS.	SYSTEM
C.T.	CERAMIC TILE	FP	FIRE PROOF	N.T.S.	NOT TO SCALE	T&G	TONGUE AND GROOVE
CAB	CABINET	FTG.	FOOTING	NCM	NON-CORROSIVE METAL	T.B.	THROUGH BOLT
CAM.	CAMBER	FURN.	FURNISH	NFC	NOT FOR CONSTRUCTION	T.O.	TOP OF
CCTV	CLOSED CIRCUIT TELEVISION	G.I.	GALVANIZED IRON	NLR.	NAILER	T.O.B.	TOP OF BEAM
CEM.	CEMENT	GA.	GAUGE	NO.	NUMBER	T.O.C.	TOP OF CURB
CER	CERAMIC		GALVANIZED		NOMINAL	T.O.F.	TOP OF FOOTING
		GALV.		NOM.			
CFM	CUBIC FEET PER MINUTE	GAR.	GARAGE	O.C.	ON CENTER	T.O.J.	TOP OF JOIST
CH or C	CHANNEL	GFCI	GROUND FAULT CIRCUIT INTERRUPTER	O.D.	OUTSIDE DIAMETER	T.O.M.	TOP OF MASONRY
CKT. BKR.	CIRCUIT BREAKER	GFI	GROUND FAULT INTERRUPTER	O.H.	OVER HANG	T.O.S.	TOP OF SLAB
CL or Q or C/L	CENTERLINE	GL	GLASS	O.I.	ORNAMENTAL IRON	T.O.W.	TOP OF WALL
CLG.	CEILING	GLB	GLUE LAMINATED BEAM	O.R.	OUTSIDE RADIUS	T.S.	TUBE STEEL
CLKG.	CAULKING	GM	GRADE MARK	OAI	OUTSIDE AIR INTAKE	T.V.	TELEVISION OUTLET
CLO.	CLOSET	GM	GATE VALVE	OH	OVER HEAD	TEL.	TELEPHONE
CLR.	CLEAR	GRC	GALVANIZED RIGID TUBING	OPNG.	OPENING	THD.	THREADED
CMU	CONCRETE MASONRY UNIT	GYP.	GYPSUM	OPPO.	OPPOSITE	THK.	THICK
CNTRD.	CENTERED	GYP. BD.	GYPSUM BOARD	P.C.	PRECAST CONCRETE	THRU	THROUGH
COL.	COLUMN	H.B.	HOSE BIBB	P.L. or P	PROPERTY LINE	TLT.	TOILET
СОМВ.	COMBINATION	H.C.	HOLLOW CORE	P.LAM.	PLASTIC LAMINATE	TYP.	TYPICAL
CONC.	CONCRETE	H.M.	HOLLOW METAL	P.O.C.	POINT OF CONNECTION	UNF.	UNFINISHED
CONST.	CONSTRUCTION	H/C	HANDICAPPED	PERF.	PERFORATED		UNLESS NOTED OTHERWISE
CONT.	CONTINUOUS	HDBD.	HARDBOARD	PERP. or 1	PERPENDICULAR	UR	URINAL
CONTR.	CONTRACTOR	HDW	HARDWARE	PH or Ø	PHASE	V.B.	VAPOR BARRIER
CU	COPPER	HGT.	HEIGHT	PL.	PLASTER	V.I.F.	VERIFY IN FIELD
al.	L DEVINIO	HOR.	HORIZONTAL	PL. or P2	PLATE	VA	VOLT AMPERE
	PENNY	HOK.		PLAS.	PLASTIC	VCT	VINYL COMPOSITION TILE
	DRINKING FOUNTAIN	HTR	HEATER	1 L/ 10.			
D.F.	DRINKING FOUNTAIN	HTR				VERT.	VERTICAL
D.F. D.G.	DRINKING FOUNTAIN DECOMPOSED GRANITE	HTR HVAC	HEATING, VENTILATING & AIR CONDITIONING	PLUMB.	PLUMBING	VERT.	VERTICAL WATER CLOSET
D.F. D.G. D.S.	DRINKING FOUNTAIN DECOMPOSED GRANITE DOWN SPOUT	HTR HVAC HW	HEATING, VENTILATING & AIR CONDITIONING HOT WATER	PLUMB. PLYWD.	PLUMBING PLYWOOD	W/C	WATER CLOSET
D.F. D.G. D.S. D/W	DRINKING FOUNTAIN DECOMPOSED GRANITE DOWN SPOUT DISHWASHER	HTR HVAC HW HYD.	HEATING, VENTILATING & AIR CONDITIONING HOT WATER HYDRAULIC	PLUMB. PLYWD. PORC.	PLUMBING PLYWOOD PORCELAIN	W/C WDW	WATER CLOSET WINDOW
D.F. D.G. D.S. D/W DBL.	DRINKING FOUNTAIN DECOMPOSED GRANITE DOWN SPOUT DISHWASHER DOUBLE	HTR HVAC HW HYD.	HEATING, VENTILATING & AIR CONDITIONING HOT WATER HYDRAULIC INTERCOM OUTLET	PLUMB. PLYWD. PORC. PREFAB.	PLUMBING PLYWOOD PORCELAIN PREFABRICATED	W/C WDW WCT	WATER CLOSET WINDOW WAINSCOT
D.F. D.G. D.S. D/W DBL.	DRINKING FOUNTAIN DECOMPOSED GRANITE DOWN SPOUT DISHWASHER	HTR HVAC HW HYD. I.C. I.D.	HEATING, VENTILATING & AIR CONDITIONING HOT WATER HYDRAULIC	PLUMB. PLYWD. PORC. PREFAB. PSF	PLUMBING PLYWOOD PORCELAIN	W/C WDW	WATER CLOSET WINDOW
D.F. D.G. D.S. D/W DBL. DEMO	DRINKING FOUNTAIN DECOMPOSED GRANITE DOWN SPOUT DISHWASHER DOUBLE	HTR HVAC HW HYD.	HEATING, VENTILATING & AIR CONDITIONING HOT WATER HYDRAULIC INTERCOM OUTLET	PLUMB. PLYWD. PORC. PREFAB.	PLUMBING PLYWOOD PORCELAIN PREFABRICATED	W/C WDW WCT	WATER CLOSET WINDOW WAINSCOT
D.F. D.G. D.S. D/W DBL. DEMO DIA. or Ø	DRINKING FOUNTAIN DECOMPOSED GRANITE DOWN SPOUT DISHWASHER DOUBLE DEMOLITION DIAMETER	HTR HVAC HW HYD. I.C. I.D. I.F.	HEATING, VENTILATING & AIR CONDITIONING HOT WATER HYDRAULIC INTERCOM OUTLET INSIDE DIAMETER INSIDE FACE	PLUMB. PLYWD. PORC. PREFAB. PSF PSI	PLUMBING PLYWOOD PORCELAIN PREFABRICATED POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH	W/C WDW WCT WP WT.	WATER CLOSET WINDOW WAINSCOT WEATHER PROOF WEIGHT
D.F. D.G. D.S. D/W DBL. DEMO DIA. or Ø DIAG.	DRINKING FOUNTAIN DECOMPOSED GRANITE DOWN SPOUT DISHWASHER DOUBLE DEMOLITION DIAMETER DIAGONAL	HTR HVAC HW HYD. I.C. I.D. I.F.	HEATING, VENTILATING & AIR CONDITIONING HOT WATER HYDRAULIC INTERCOM OUTLET INSIDE DIAMETER INSIDE FACE IDENTIFICATION	PLUMB. PLYWD. PORC. PREFAB. PSF PSI PTN.	PLUMBING PLYWOOD PORCELAIN PREFABRICATED POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH PARTITION	W/C WDW WCT WP WT. W/	WATER CLOSET WINDOW WAINSCOT WEATHER PROOF WEIGHT WITH
D.F. D.G. D.S. D/W DBL. DEMO DIA. or Ø DIAG. DIM.	DRINKING FOUNTAIN DECOMPOSED GRANITE DOWN SPOUT DISHWASHER DOUBLE DEMOLITION DIAMETER DIAGONAL DIMENSION	HTR HVAC HW HYD. I.C. I.D. I.F. ID	HEATING, VENTILATING & AIR CONDITIONING HOT WATER HYDRAULIC INTERCOM OUTLET INSIDE DIAMETER INSIDE FACE IDENTIFICATION ISOLATED GROUND	PLUMB. PLYWD. PORC. PREFAB. PSF PSI PTN. PVC	PLUMBING PLYWOOD PORCELAIN PREFABRICATED POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH PARTITION POLYVINYLCLORIDE	W/C WDW WCT WP WT. W/ W/O	WATER CLOSET WINDOW WAINSCOT WEATHER PROOF WEIGHT WITH WITHOUT
d D.F. D.G. D.S. D/W DBL. DEMO DIA. or Ø DIAG. DIM. DL DN.	DRINKING FOUNTAIN DECOMPOSED GRANITE DOWN SPOUT DISHWASHER DOUBLE DEMOLITION DIAMETER DIAGONAL	HTR HVAC HW HYD. I.C. I.D. I.F.	HEATING, VENTILATING & AIR CONDITIONING HOT WATER HYDRAULIC INTERCOM OUTLET INSIDE DIAMETER INSIDE FACE IDENTIFICATION	PLUMB. PLYWD. PORC. PREFAB. PSF PSI PTN.	PLUMBING PLYWOOD PORCELAIN PREFABRICATED POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH PARTITION	W/C WDW WCT WP WT. W/	WATER CLOSET WINDOW WAINSCOT WEATHER PROOF WEIGHT WITH



STRUCTURAL ONLY

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Description

<u>REVISIONS</u>

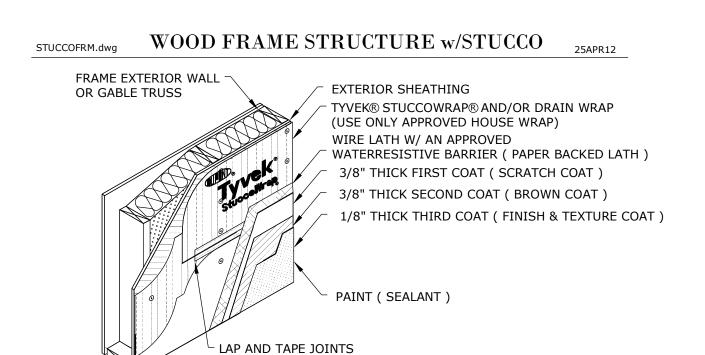
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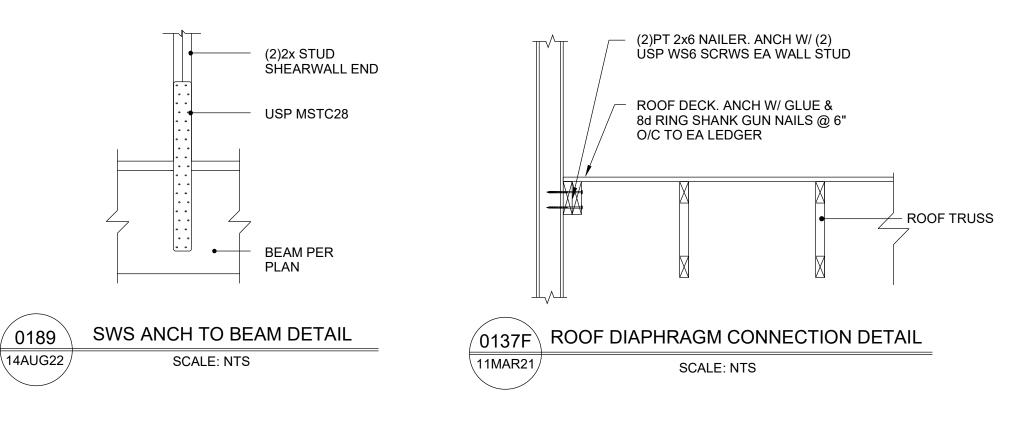
NOTES & DETAILS

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Scale



STUCCOED FRAME EXTERIOR WALLS & GABLE END TRUSSES ARE PER ASTM C 926 & ASTM C 1063. APPLY PAINT/SEALANT ON STUCCO APPLIED TO LATH OVER ONE LAYER OF A STATE APPROVED WATER RESISTANT BARRIER OVER AN APROVED HOUSE WRAP PER FBC R703.7.3. USE OF WEEP SCREDS, CONTROL JOINTS, OR EXP. JOINTS SHALL BE USED TO DRAIN MOISTURE. ONLY WORKERS WHO UNDERSTAND PROPER INSTALLATIONS OF ANY WATER BARRIERS INCLUDING FLASHINGS & SEALANTS SHALL BE USED.



STRAP IS O" TO 3/8" AWAY FROM EDGE

STRAP IS 3/8"" TO 1-1/2" AWAY FROM

REPAIR: PER DETAIL SHOWN USING SIMPSON HTSM16 ANCHORED TO WALL WITH (4) 1/4"x2-1/4"

> (MIN.) TAP-CONS AND NAILED TO TRUSS WITH 8-10d. MAXIMUM 1260 LBS. UPLIFT.

TRUSS AND STRAP. BEND PER DETAIL

REPAIR: PLACE MAXIMUM 2x4 BLOCK BETWEEN

BLOCK

DRAWN BY ROBERT DUSZYNSKI

SCALE: NTS

OF TRUSS. REPAIR: NO REPAIR NECESSARY

EDGE OF TRUSS.

AND NAIL 7-10d.

EDGE OF TRUSS.

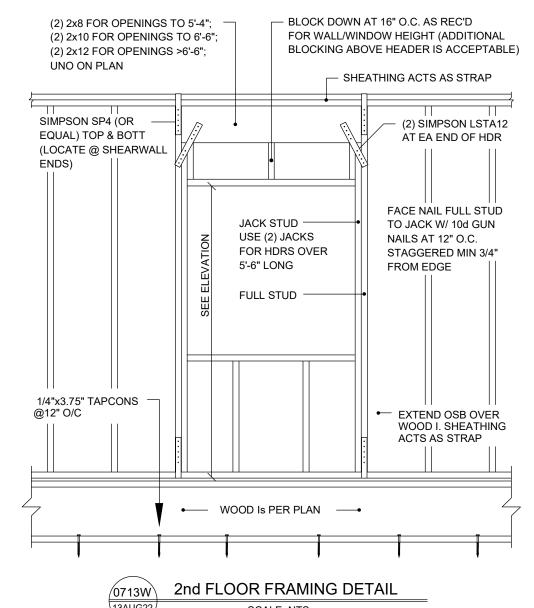
(4) 1/4" X 2-1/4" TAP-CONS SPACED EVENLY & AT LEAST 2" FROM TOP

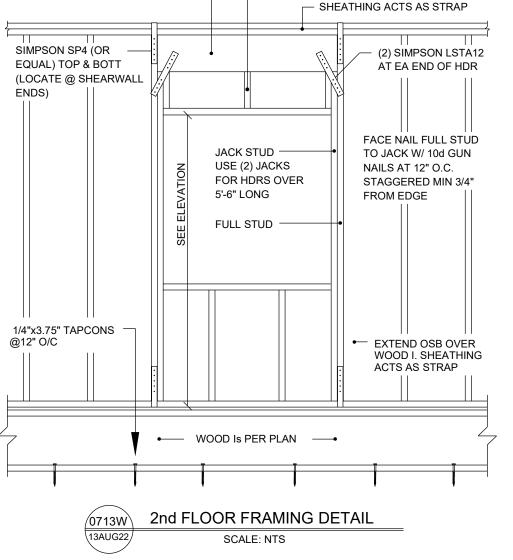
CONDITION #3: STRAP IS MORE THAN 1-1/2" AWAY FROM

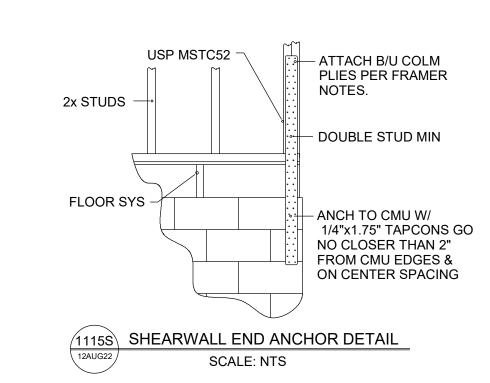
STANDARD REPAIRS FOR STRAP MISALIGNMENT

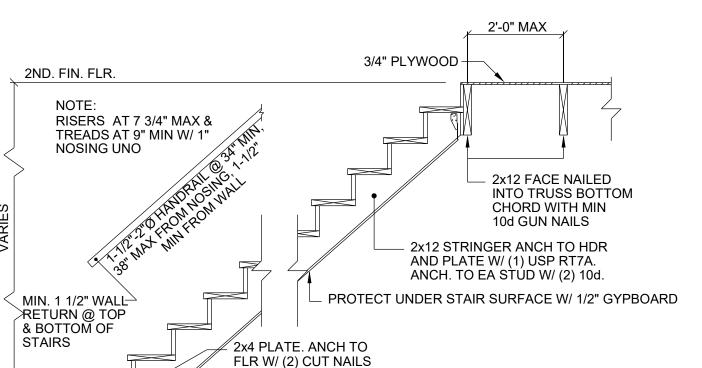
APPLIES TO MULTIPLES AND CONSECUTIVE TRUSSES, AND MAY BE USED ON EITHER SIDE OF WALL

24APR06









OR 1/4"Ø x 3" TAPCONS

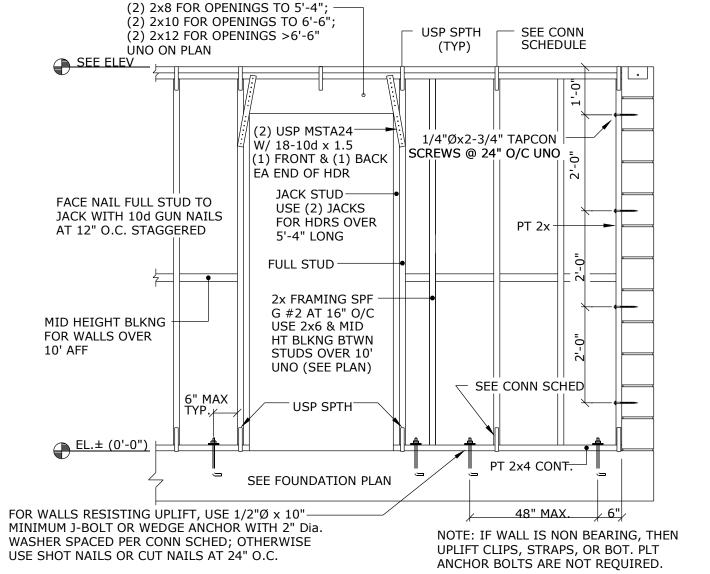
ASCOTT BONUS STAIR DETAIL

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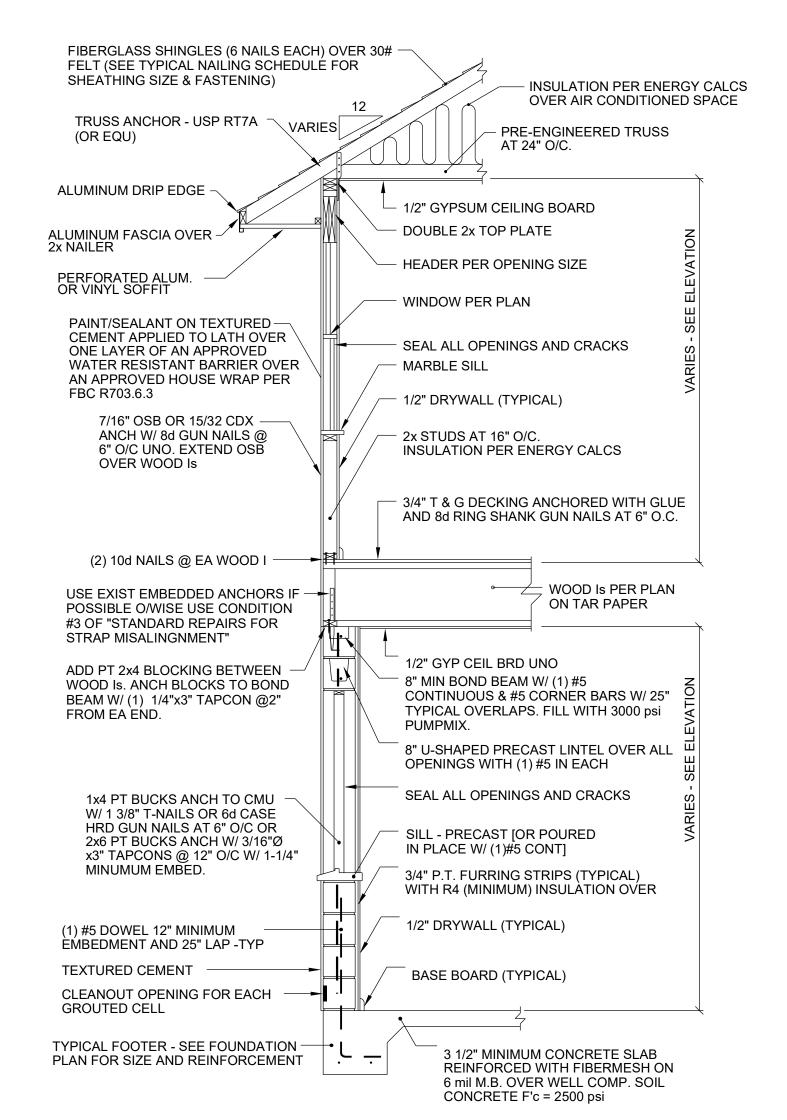
SIMPSON CONDITION #1:

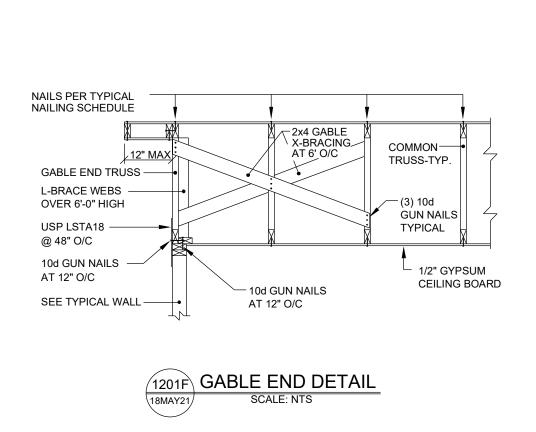
STRAPRPRS.DWG

CONDITION #2:

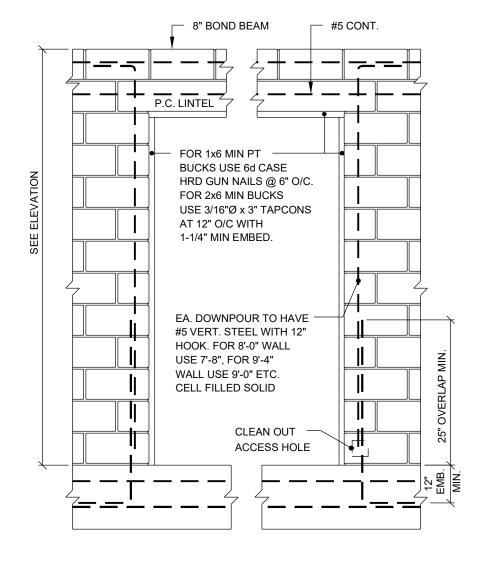


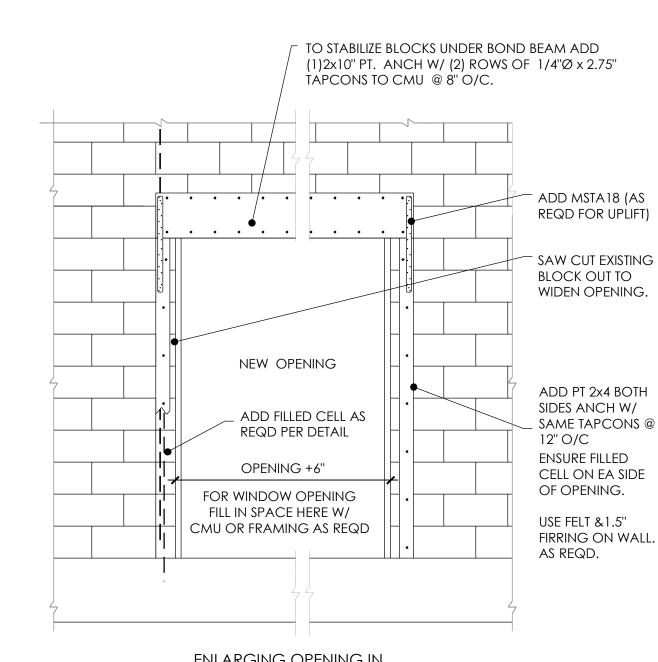


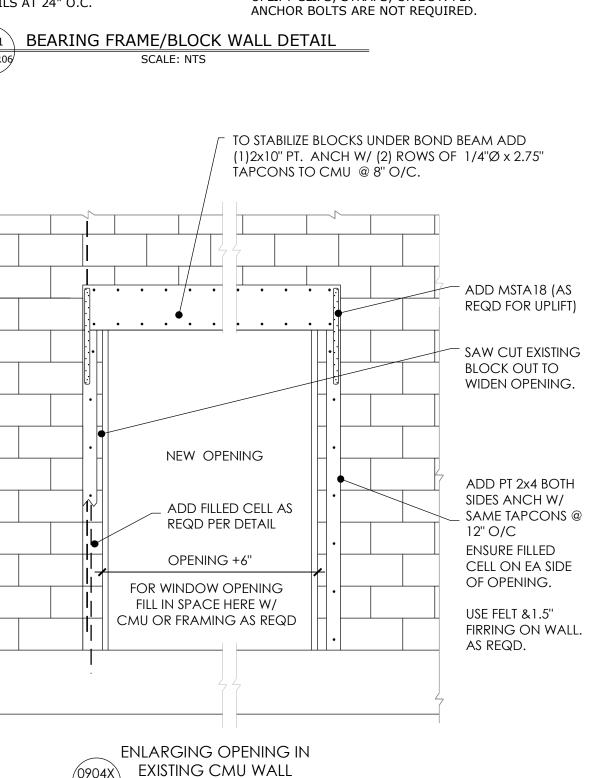




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STRUCTURAL ONLY

Date

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Description

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ADDITIONAL NOTES & DETAILS

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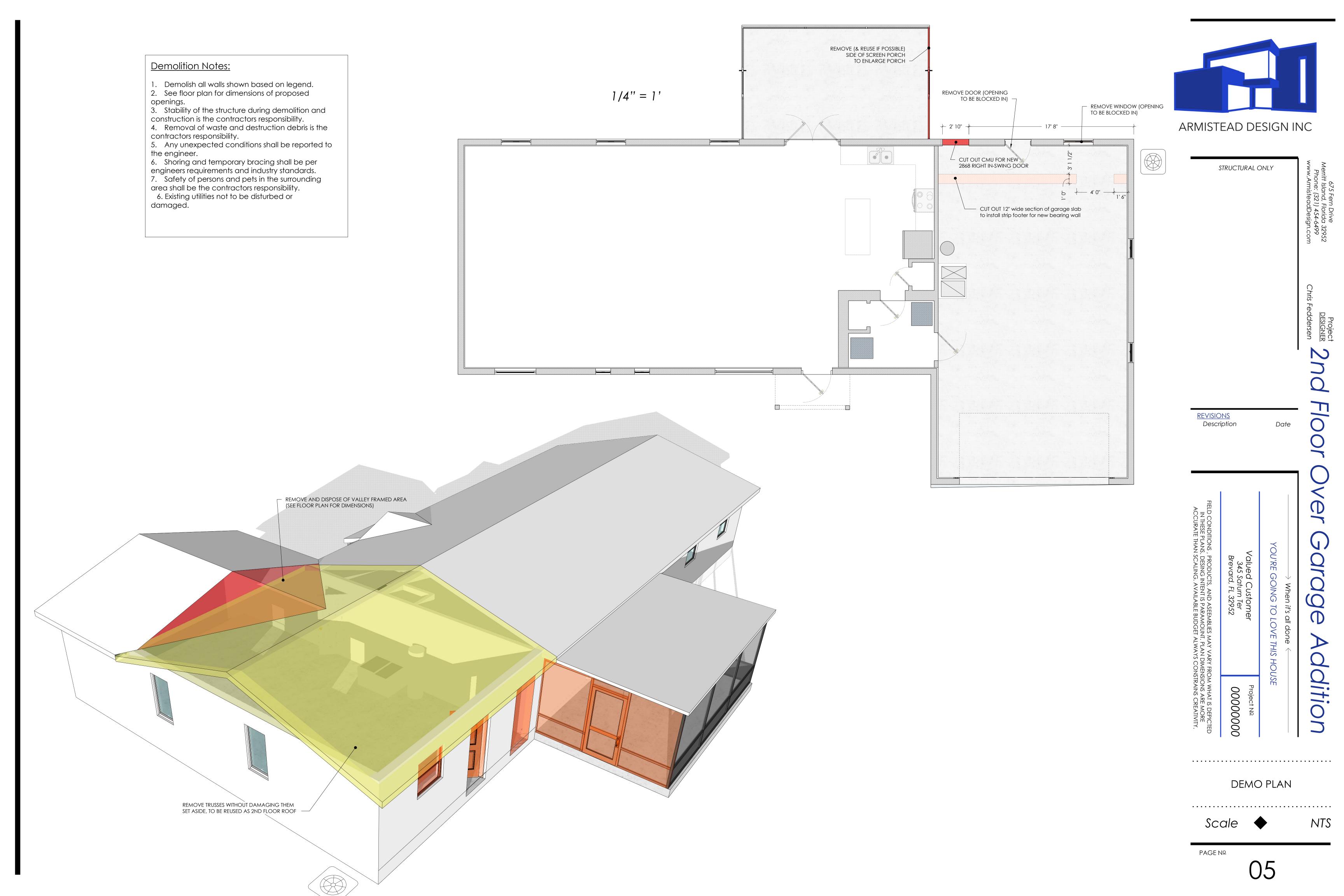
PAGE Nº

√0111W TYPICAL WALL SECTION SCALE: NTS

10APR22

SCALE: NTS

10902 DOOR/SLIDER BUCK AND REBAR DETAIL





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REVISIONS Description

Date

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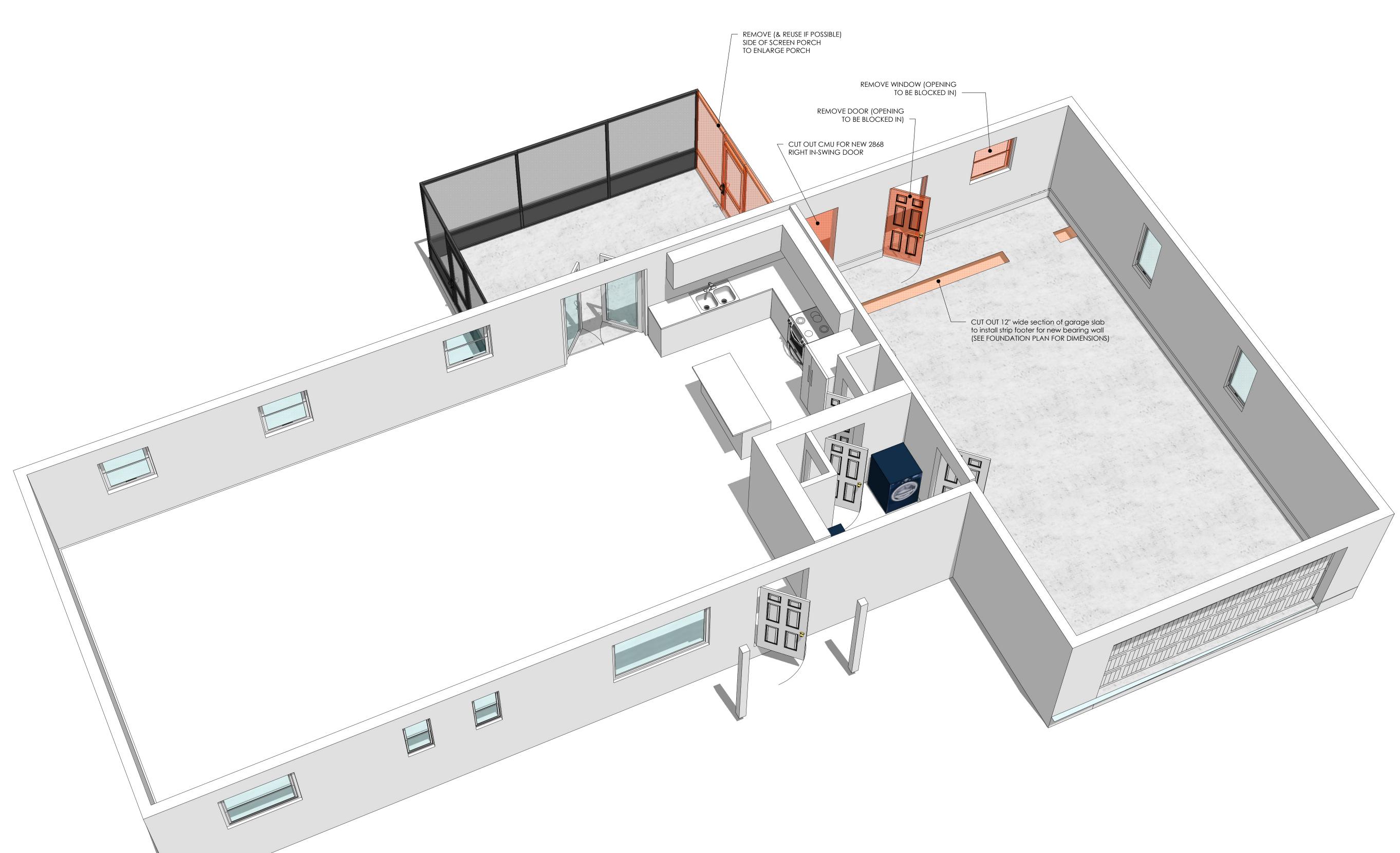
DEMO PLAN II

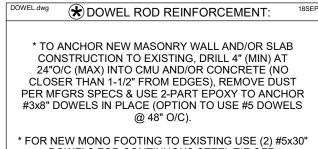
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* FOR NEW MONO FOOTING TO EXISTING USE (2) #5x30" DOWELS FOR CONTINUOUS STEEL TIE OFF.

* FOR NEW BOND BEAM USE #5x30" DOWELS FOR EACH LINTEL COURSE AS APPLICABLE.

* ADD FILLED CELL TO EXISTING BLOCK WALL AT CONNECTION TO NEW CMU CONSTRUCTION WHERE ONE IS NOT ALREADY PRESENT.

Footer Notes:

All footers will be placed over 6 mil moisture barrier on well compacted, termite treated soil. All concrete used for slab and footers must be

15' 2 1/2"

for siab and footers must be f'c=2500psi @ 28 days. All footings must extend 12" below grade and a minimum of 4" above grade

SOILS.DWG 120CT21 SOIL NOTES: SOIL CONDITIONS ENGINEER HAS NOT BEEN ON SITE NOR HAS RECEIVED ANY SOIL INFORMATION OR REPORTS YET. REPORT SHALL BE PROVIDED TO EOR ASAP. IT IS ASSUMED THE SOIL CONDITIONS ARE CONSIDERED NORMAL AND NO PROBLEMATIC SOILS (INCLUDING BUT NOT LIMITED TO MUCK)
ARE PRESENT. OWNER IS RESPONSIBLE FOR ANY KNOWN OR UNKNOWN SOIL CONDITIONS AND ANY SOIL BORINGS DEEMED NECESSARY. NOTIFY ENGINEER IMMEDIATELY OF ANY UNUSUAL SITE SUB-SURFACE CONDITION WHICH VARIES FROM TEST BORINGS, SUCH AS DIFFERENT SOILS ENCOUNTERED, SEEPAGE OR PRESENCE OF WATER, OR WHEN THERE IS A CONCERN REGARDING BEARING CAPACITY OR IF IT HAS NOT BEEN ATTAINED. DEWATER EXCAVATIONS BEFORE PLACING CONCRETE. REMOVE & DISPOSE OF ALL ORGANIC & UNSATISFACTORY SOIL. BACKFILL SHALL BE FREE DRAINING AND RESTRICTED TO GW, GP, SW, OR SP PER ASTM D2487. COMPACT ALL BACKFILL MATERIAL TO 95% OF

GW, GP, SW, OR SP PER ASTM D2487.
COMPACT ALL BACKFILL MATERIAL TO 95% OF
MAX DENSITY PER ASTM D698. CONTRACTOR IS
RESPONSIBLE FOR DESIGN, INSTALLATION &
FINAL CLEARANCE OF TEMPORARY BRACING. A
CERTIFIED TESTING LAB SHALL BE ENGAGED BY
THE OWNER TO VERIFY THAT THE REQUIRED
COMPACTION REQUIREMENTS WERE OBTAINED.

VERIFY EXISTING MONO FOOTER
 IS 12x16 MIN. IF NOT ADD 6' LONG
 (OR EQUIV) RETRO BEARING FOOTER (NE8)

COMPRESSOR

VERIFY EXISTING MONO FOOTER IS 12x16 MIN. IF NOT ADD 6' LONG (OR EQUIV) RETRO BEARING FOOTER (NE8) - 8" #3 Dowels @ 4' OC **Epoxied into Existing** Footer Min. 4" Embed New Footer Contractor to ensure Dowel Rods See - Dowel Rods See new foundation is - Dowel Rods See Note on Details Page – Note on this Page level with existing FFE Note on This Page Existing Footer-— (1) #5 Bar Cont. - (2) #5 Bars Cont. (2) #5 CONT / 12" 3" MIN. COV. NEW INT. BEARING FOOTER NE2 NEW TO EXISTING FOOTER

SCALF. NITS TO EXISTING SLAB SCALE: NTS

CONC SLAB

- (1) #5 CONT

THICKENED EDGE

SCALE: NTS

___ VARIES

1/4" = 1'

- 20' 1 1/2" -

NE2

EXISTING FRIDGE (NE2)

EXIST WH

14' 10"

RIBBON 1.dwg

NEW FOOTER NEXT TO
EXISTING SLAB OR
UNDERSIZED FOOTER DRILL
& EPOXY #3x8" LONG
DOWELS AT 24" O/C W/

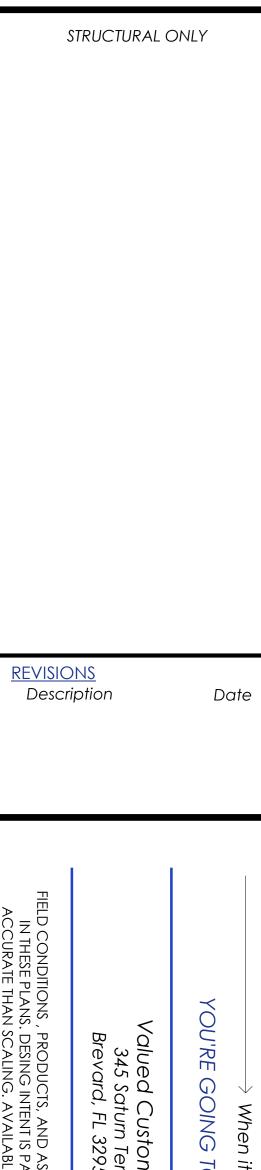
4" MIN EMBEDMENT.

NE8 RETRO BEARING FOOTER

SCALE: NTS

Scale

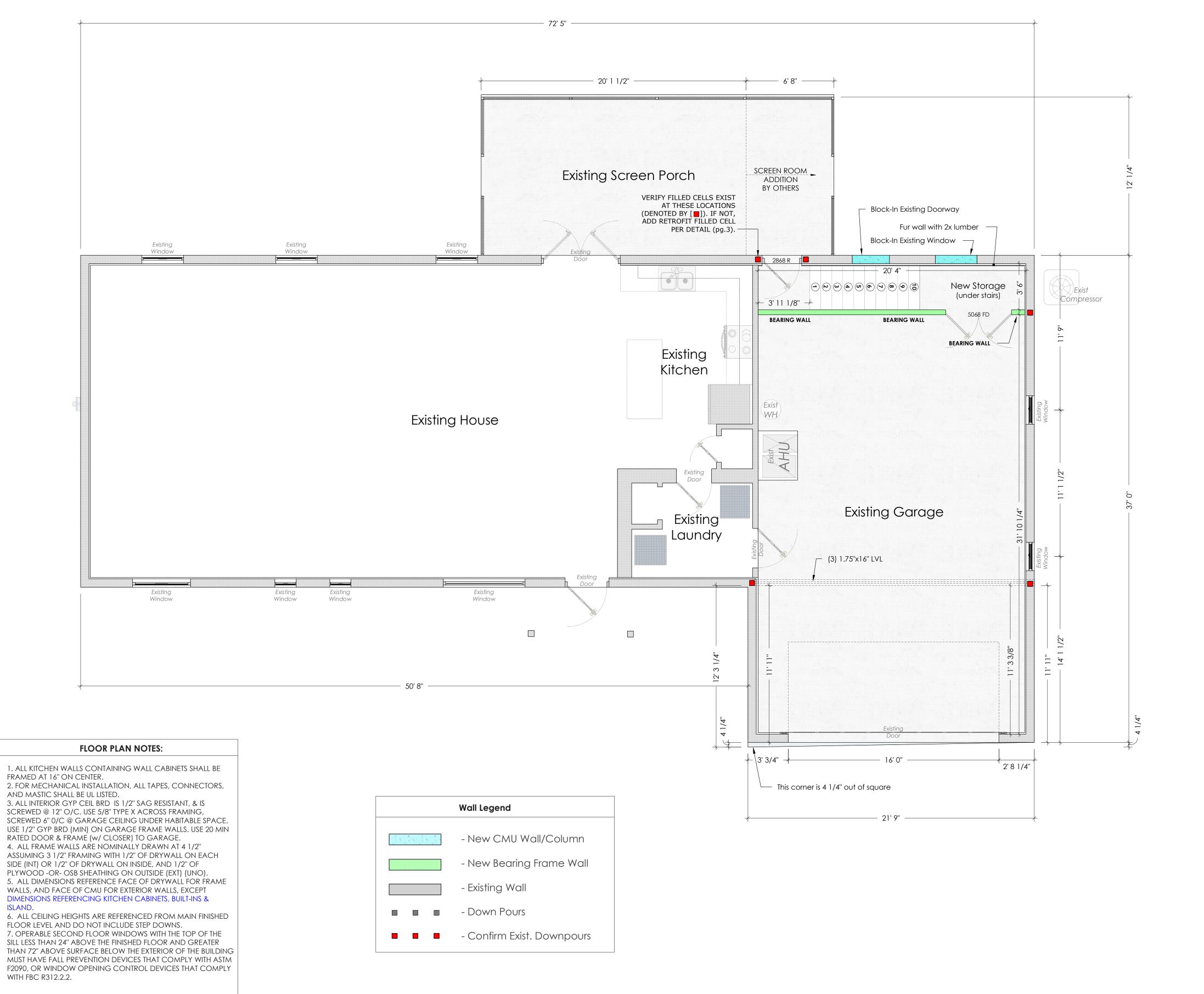
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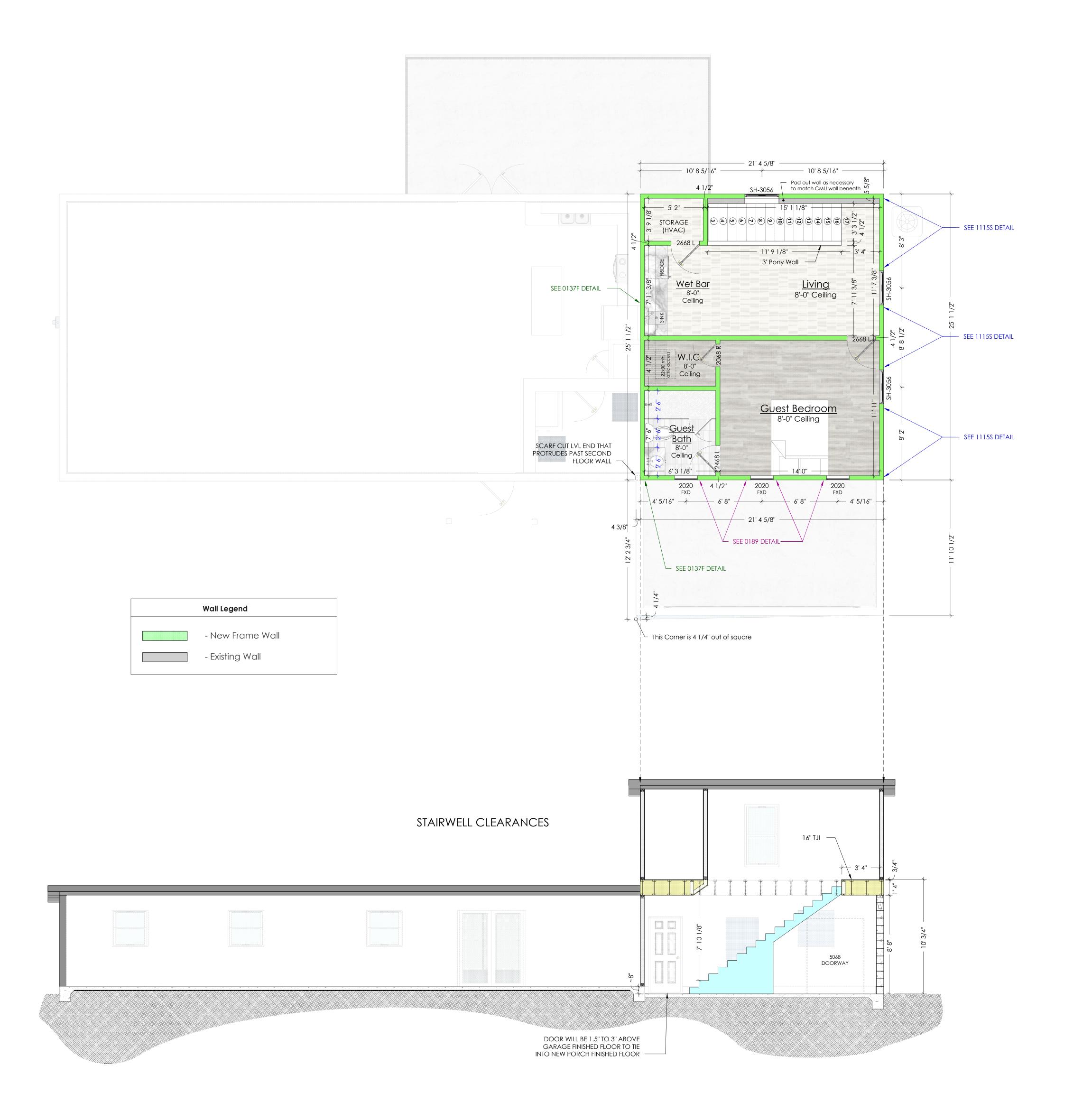
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FLOOR PLAN FIRST FLOOR

PAGE Nº



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<u>DESIGNER</u> : Feddersen

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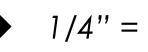
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FLOOR PLAN SECOND FLOOR

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Scale





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REVISIONS Description

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Brevard, FL 32

U'RE GOING TO LOVE THIS

'alued Customer

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Brevard El 32052

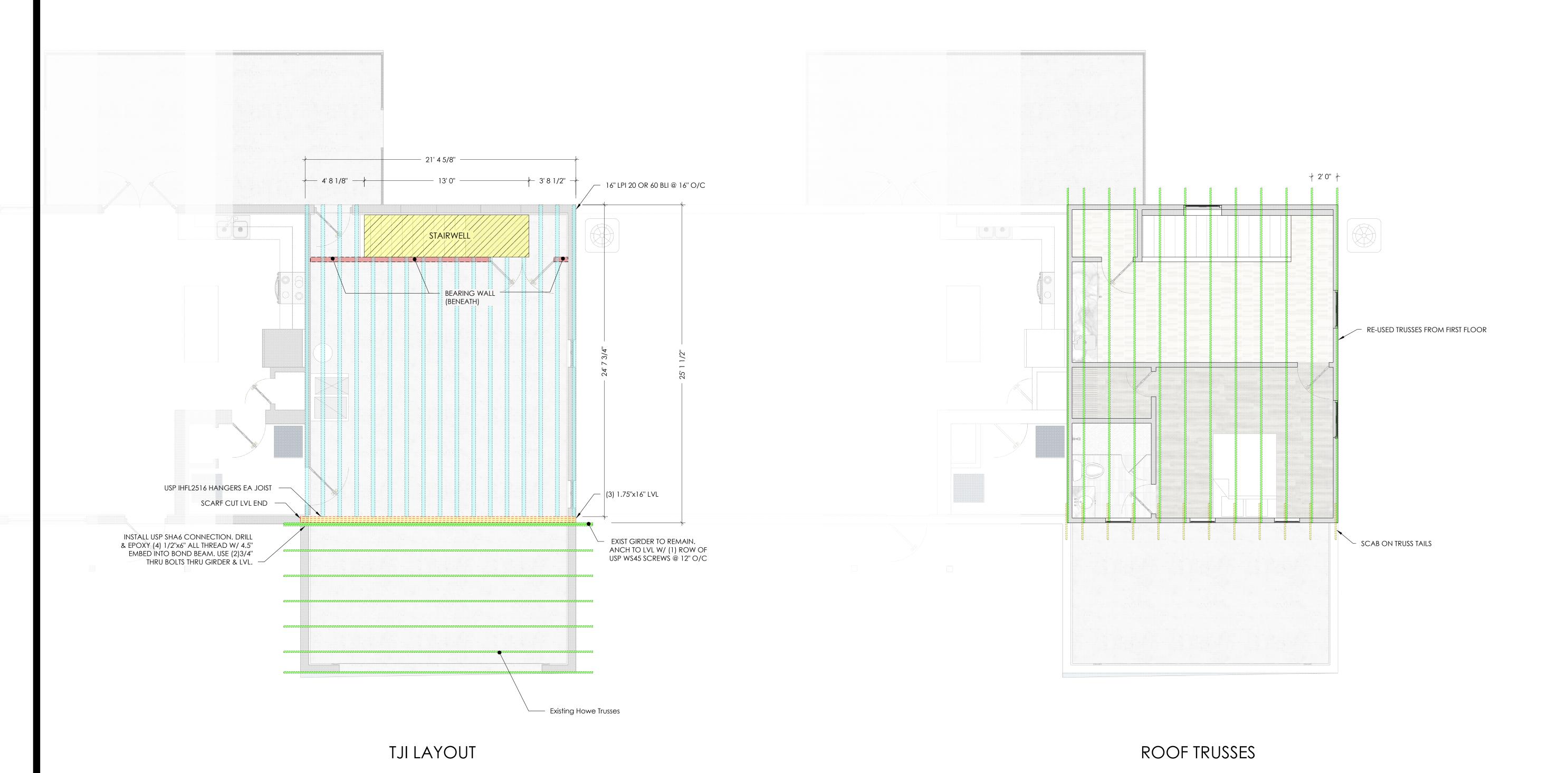
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TJI LAYOUT &
ROOF TRUSSES

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Scale

1/4'' =





952 9 30m

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YOU'

Valued Customer 345 Saturn Ter Brevard, FL 32952

Customer Projecturn Ter PC 132952 OC

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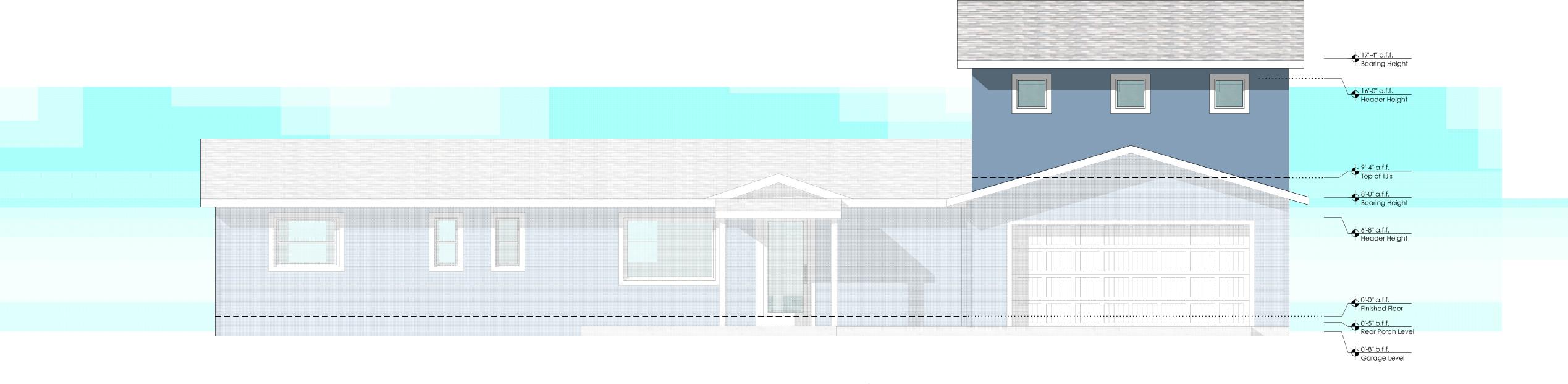
ELEVATION VIEWS FRONT & RIGHT

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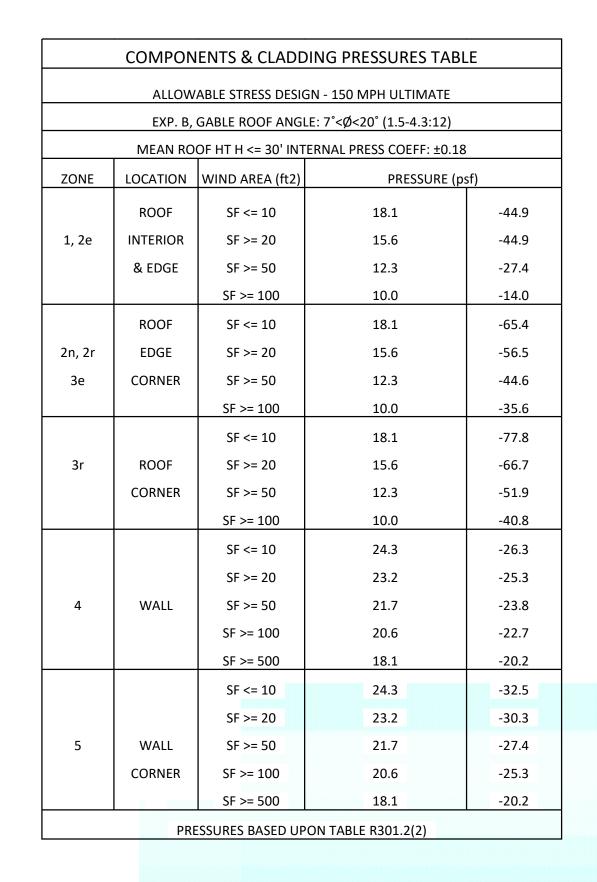
Scale

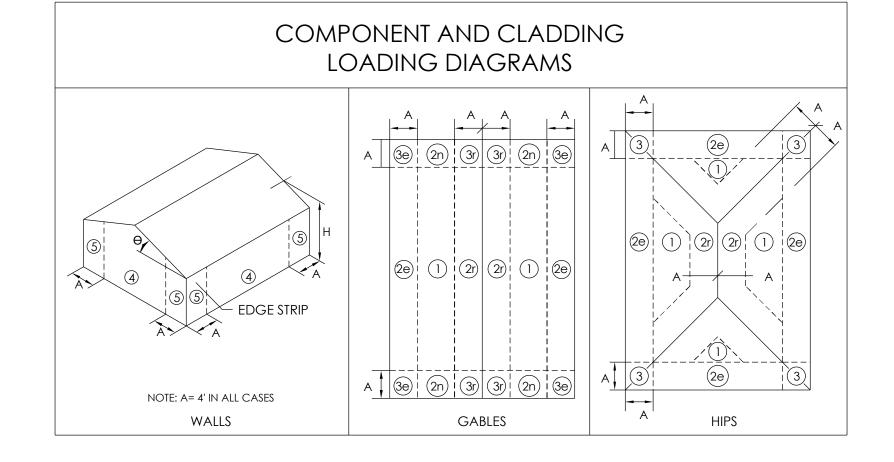
1/4'' =

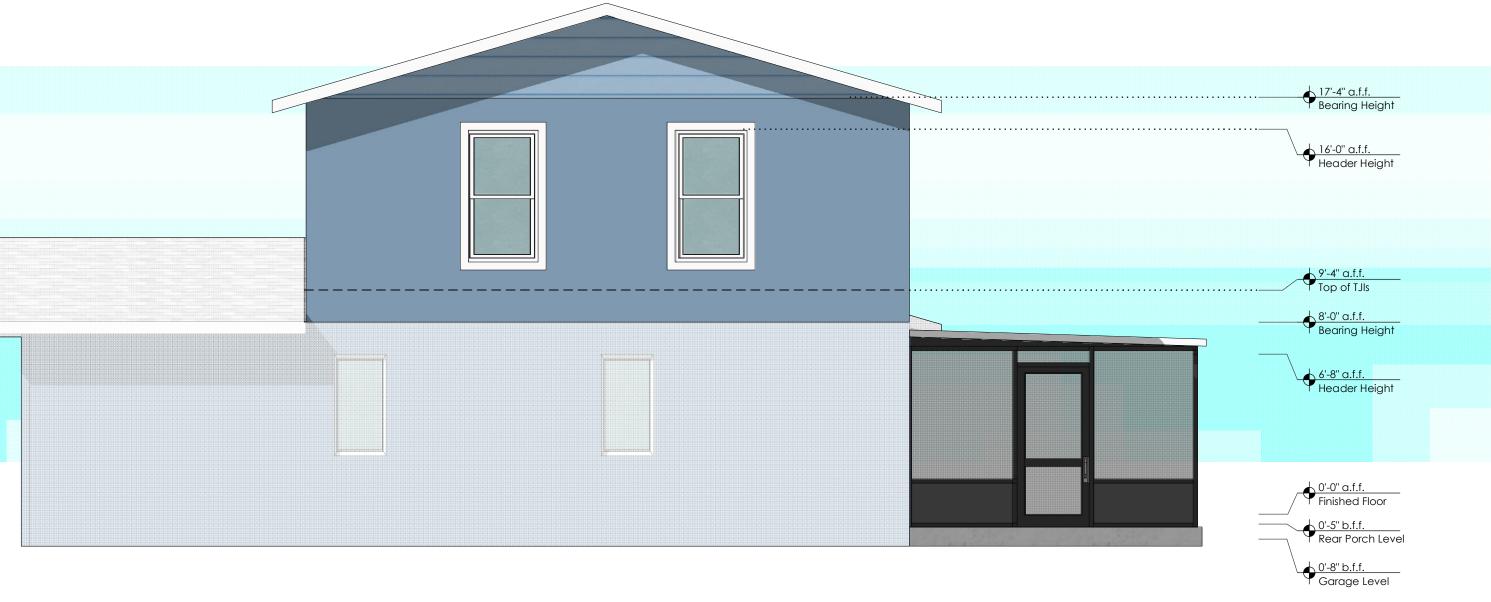
PAGE Nº



Front Elevation





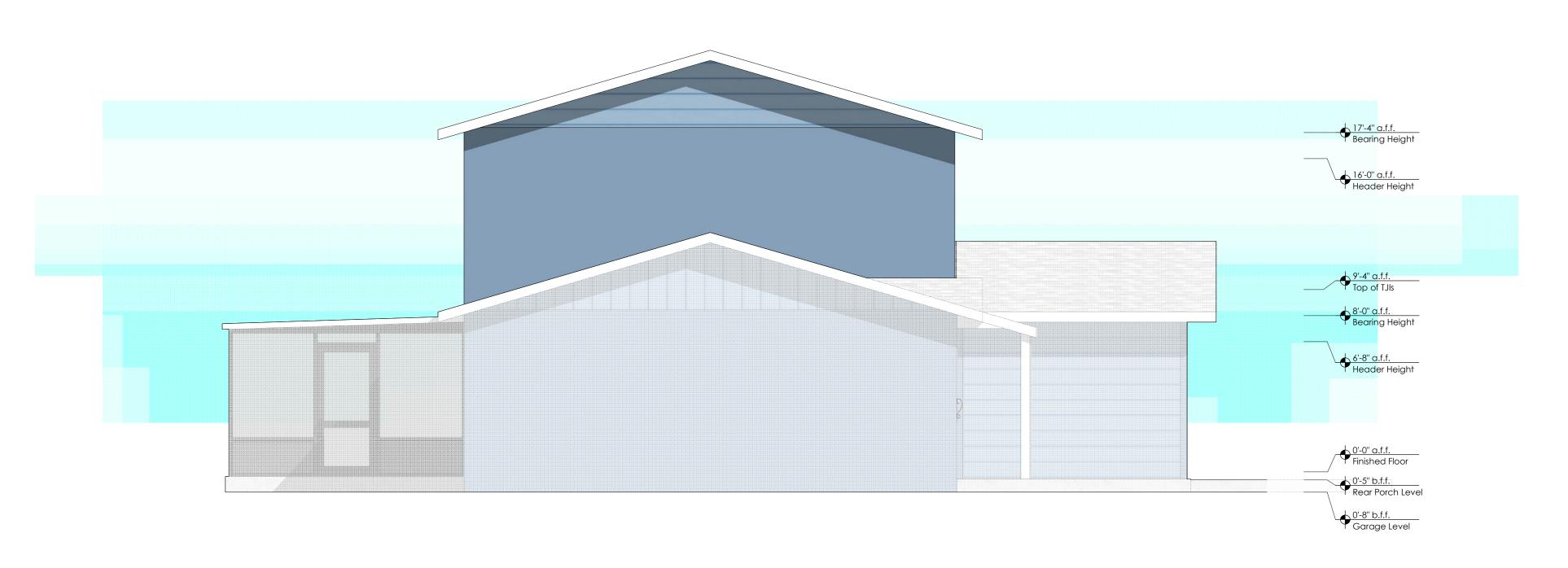


Right Elevation





Rear Elevation



Left Elevation

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ELEVATION VIEWS

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REAR & LEFT

DRAWINGS DO NOT REQUIRE ENGINEERING SEAL IF SYSTEM IS UNDER \$125K & 600A (ELEC-RESIDENTIAL); 15 TONS OR LESS THAN 100 PEOPLE (HVAC); & 250 FIXTURE UNITS (PLUMBING), & DESIGNED BY A STATE LICENSED CONTRACTOR. [F.S. 471.003,(2),(h)1&2]. (THIS DRAWING SHEET IS NOT SIGNED AND SEALED)

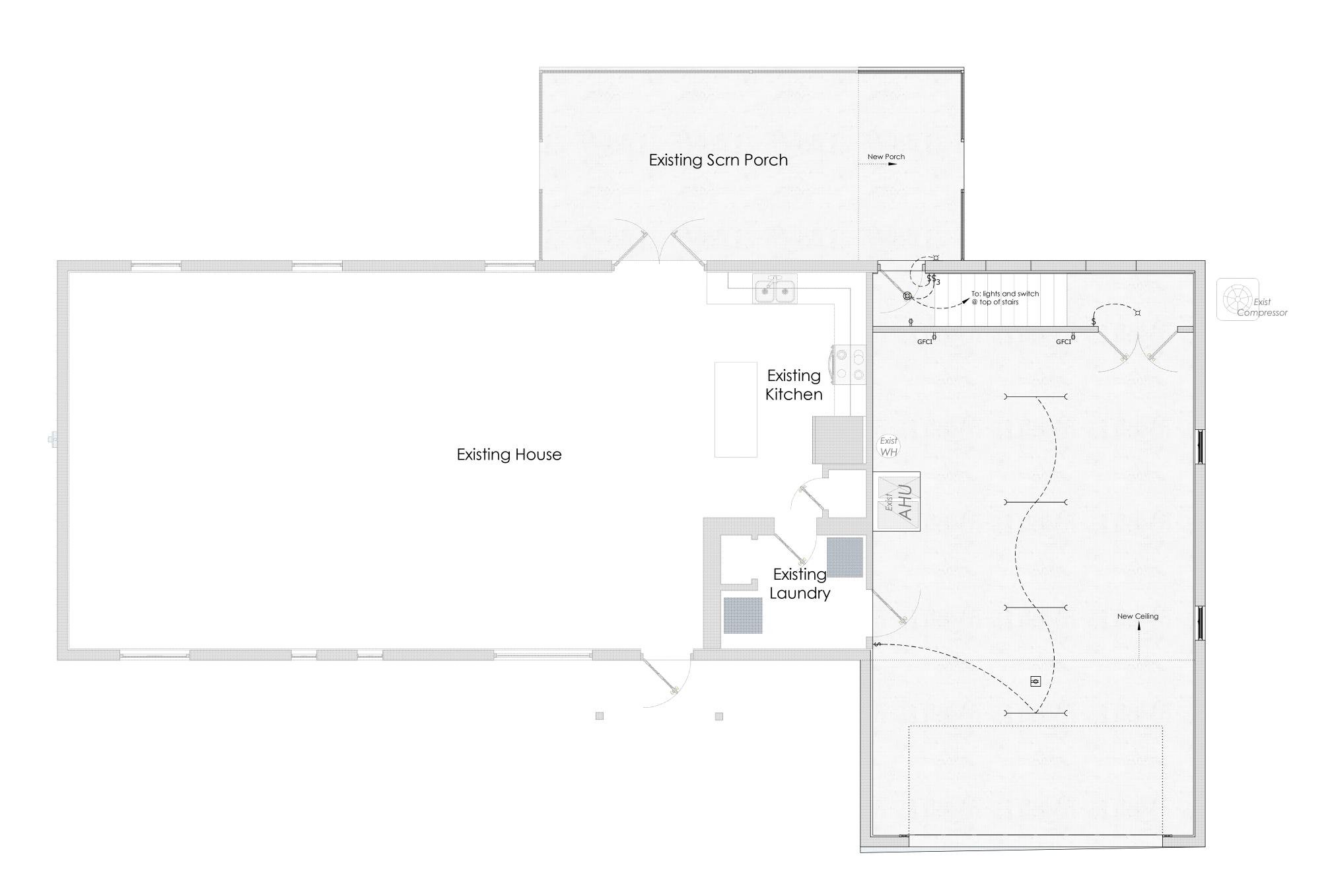
> <u>REVISIONS</u> Description

Date

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ELECTRICAL PLAN FIRST FLOOR

PAGE Nº



Electrical Load Calculation General Load 1814sf at 3VA 20A /12ga 20A /12ga 5,442VA 6,000VA 1,500VA Small Appliance (4 @ 1500VA) 20A /12ga 30A /10ga Dryer Disposal Refridgerator 5,000VA 20A /12ga 20A /12ga 500VA 1,600VA Dishwasher 20A /12ga 1,200VA 30A /10ga 50A/8ga 4,500VA Water Heater 12,000VA Range 37,742VA General Load First 10kVA at 100% 10,000VA Remainder at 40% 11,097VA Sub-Total General Load 21,097VA Air Conditioning (x2)
Rated Total 20,000VA 41,097VA Calculated Load Rated Total/240V= 171A

Electrical General Notes

- 1. All work shall comply with the current National Electrical Code and must comply with local utility requirements for service connections.
- 2. Conduit that penetrates wall must be sealed. Wall surfaces that are disturbed shall be repaired and painted to match the existing surface.
- 3. All electrical equipment and equipment with electrical circuits shall be grounded in accordance with NFPA 70 Article 250.
- 4. All electrical equipment and enclosures, raceways, and HVAC equipment shall be effectively grounded to ensure personal safety.
- 5. All non-current carrying metallic parts shall be grounded. The equipment grounding the conductor shall be bonded to all enclosures and boxes which it terminates in

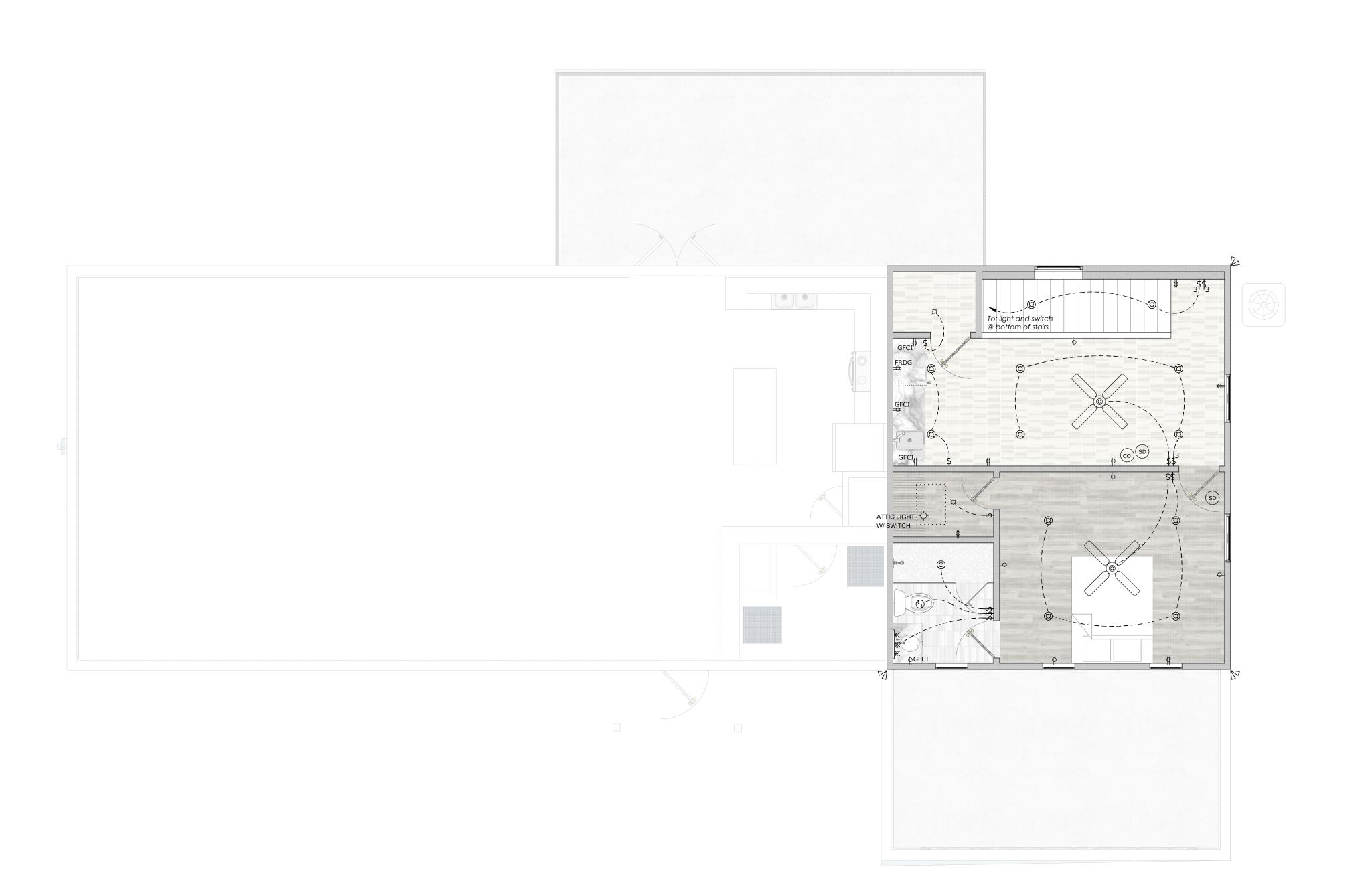
10. Smoke Alarms to be placed in accordance with FBC R314

- or passes through.

 6. Water pipes or metal structures entering the building from the outside shall be grounded.

 7. Provide telephone outlets & Cable TV outlets at client
- specified locations. 8. All 15a and 20a, 120v branch circuits must be protected by a listed AFCI device per NEC Article 210.12.
- 9. Install tamper resistant receptacles where required by NEC Article 406.12.

Electrical Leg	end					
-8	Switch		110V Receptacle (See Notes 8 & 9)			Main Panel
– α 3 – α D	Dimmer switch 3 Way Switch	-	110V Quad Receptacle (See Notes 8 & 9)	(co)	Carbon Monoxide Alarm	Power Riser
 6 4	4 Way Switch	─ Gfi	Ground Fault Rec.	\bowtie	Light Fixture	. ewe. ruse.
	Pendant Light	→ WP/Gfi	Water Proof Ground Fault Rec.		Wall Mount Sconce/Uplight	Vent Fan/Light Combo LED Light
SD	Smoke Alarm (Interconnected)		220V Receptacle		Recessed Fixture	3
	110V Floor Mounted Rec.		110V Ceiling Mounted Rec.	Disc.	Disconnect	Ceiling Fan
S	Vent Fan	XXX.	Light Bar		Flood Lights	-



- 0	Switch		110V Receptacle				Main Panel
_ αD	Dimmer switch		(See Notes 8 & 9)	CO	Carbon Monoxide Alarm		
_0 3	3 Way Switch		110V Quad Receptacle (See Notes 8 & 9)			0	Power Riser
-6 4	4 Way Switch	─ Gfi	Ground Fault Rec.	X	Light Fixture		
	Pendant Light		w	, ,			Vent Fan/Light Com
	J	→ WP/Gfi	Water Proof Ground Fault Rec.		Wall Mount Sconce/Uplight		_(LED Light
SD	Smoke Alarm				Sconce/ oplight		CED LIGHT
	(Interconnected)		220V Receptacle			\wedge	
			110V Ceiling		Recessed Fixture		
	110V Floor		Mounted Rec.	Disc.	Disconnect		
	Mounted Rec.				Disconnect		Ceiling Fan
\bigcirc	Vent Fan	M M M	Light Bar		Flood Lights		



Electrical E.C. Addr	Contractor:ess:
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	S DO NOT REQUIRE ENGINEERING SEAL IF

SYSTEM IS UNDER \$125K & 600A (ELEC-RESIDENTIAL); 15 TONS OR LESS THAN 100 PEOPLE (HVAC); & 250 FIXTURE UNITS (PLUMBING), & DESIGNED BY A STATE LICENSED CONTRACTOR. [F.S. 471.003,(2),(h)1&2]. (THIS DRAWING SHEET IS NOT SIGNED AND SEALED)

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..... ELECTRICAL PLAN SECOND FLOOR

