

These construction plans were prepared to comply with Florida Building Code 7th Ed. (2020), 2017 NEC, & the Florida Fire Prevention Code 7th Ed. (2020).

Index Of Sheets

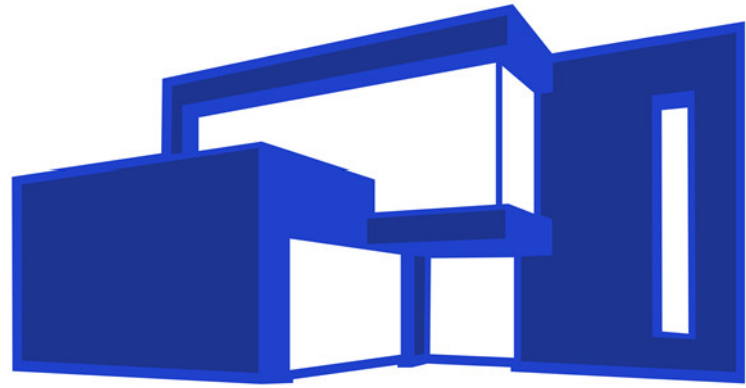
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11	Electrical Plan

Area Calculations

Entry:	268sf
Garage:	991sf
Living:	4077sf
Landi:	654sf
Total Square footage:	5990sf

General Structure Data:

Occupancy Type:	R-3
Construction Type:	V-B
Building Area:	5990sf



ARMISTEAD DESIGN INC

STRUCTURAL ONLY

625 Pen Drive  
Meritt Island, Florida 32992  
Phone: (321) 454-6409  
www.ArmisteadDesign.com  
Project Designer  
Chris Feddersen

REVISIONS

Description Date

Modern Custom Home

When it's all done  
YOU'RE GOING TO LOVE THIS HOUSE

Happy Homeowners  
456 Vacant Lot St  
Anytown, FL 32796

Project No.  
0000000

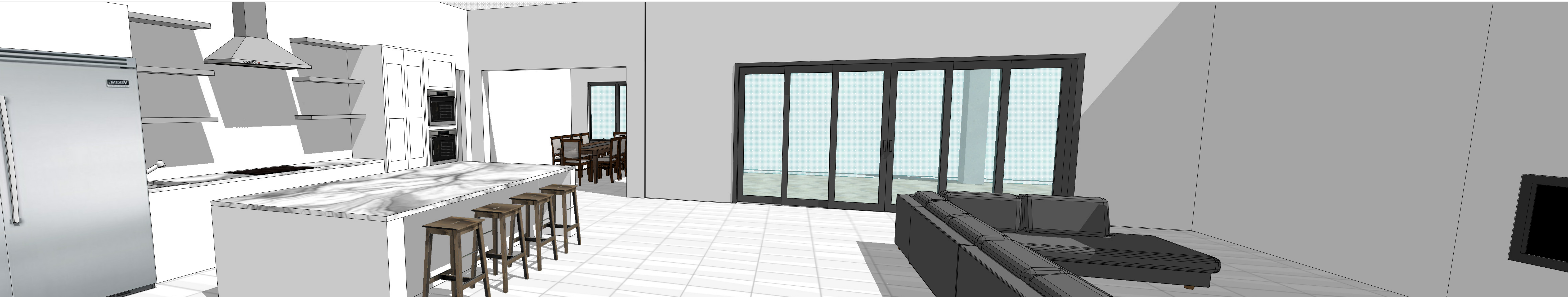
FIELD CONDITIONS, PRODUCTS, AND ASSEMBLIES MAY VARY FROM WHAT IS DEPICTED IN THESE PLANS. DESIGN INTENT IS PARAMOUNT. PLAN DIMENSIONS ARE WORK, ACCURATE TO 1/8" INCH. SCALE: 1/4" = 1'.

COVER PAGE I

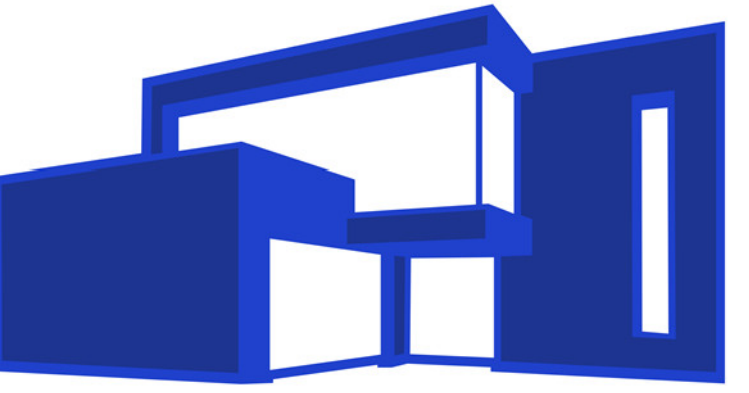
Scale 1/4" = 1'

PAGE NO.

01







ARMISTEAD DESIGN INC

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COVER PAGE II

Scale 1/4" = 1'

PAGE NO.

02





General Notes

1. The intent of these documents is to include all work and items necessary for the completion of the work. Therefore, it does not matter whether the item is shown or not, all items necessary for the intended result must be 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 trade.
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 job.
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

1. 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
3. 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.
6. Welded wire fabric shall conform to ASTM-185. 1.5#/yd fibermesh may be used with or in lieu of WVF or vice versa.
7. Minimum concrete protection for reinforcing bars:

structural part cover minimum clear footings, (concrete cast against and permanently exposed to earth)	3 inches
Footing and walls (concrete cast in forms permanently exposed to earth)	2 inches
slab (in contact with earth)	2 inches
beams (to stirrups)	2 inches
columns (to ties) above grade	2 inches

8. 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

1. 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.

8. Continuous bond beams shall be provided as shown on the wall section(s).
9. All reinforcing steel shall conform to ASTM A615 Grade 40.
10. 8" deep bond beam with (1) #5 continuous.
11. Install (1) #5 below window openings.
12. Control 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 Building 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

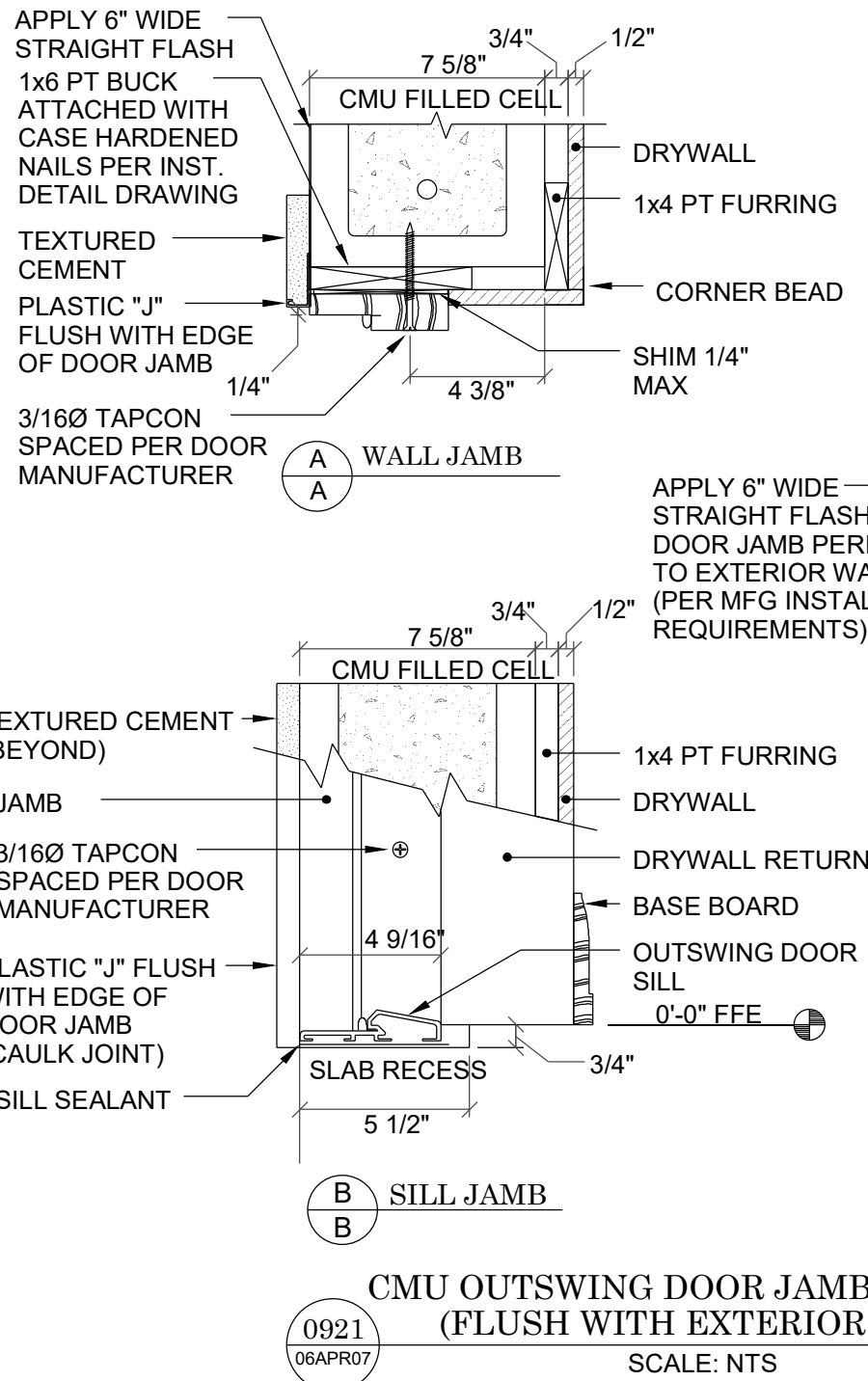
1. Structural lumber shall be 2X4 SPF Grade 2 minimum. Stud spacing on interior and exterior bearing walls shall be 16"oc UNO. Walls shall be anchored with 1/2" dia. anchor bolts, 10" long spaced 48"oc UNO.
2. 2X studs at 16" O.C. shall be used for interior partition walls. Stud spacing for all walls 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 Professional Engineer.

Precast Concrete Lintels

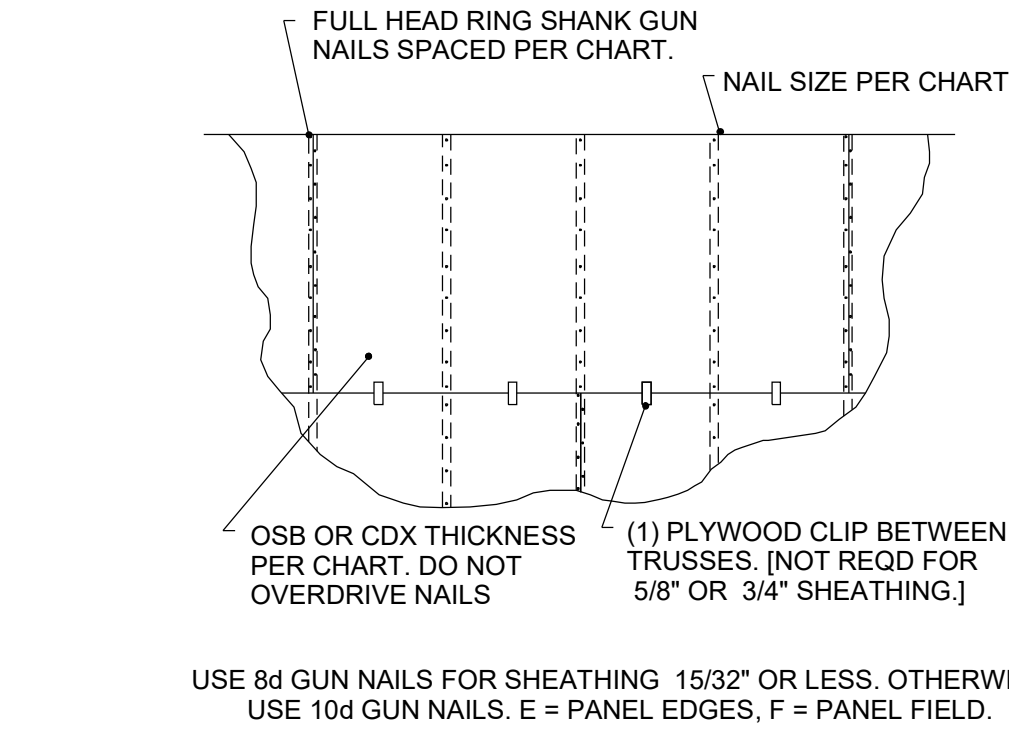
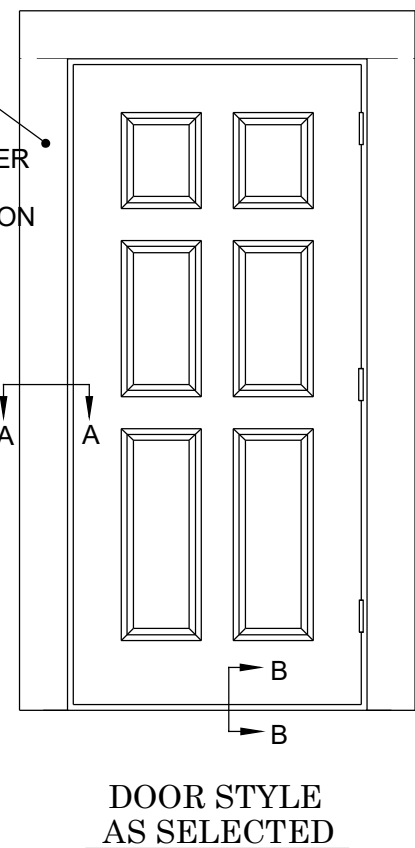
1. All precast concrete lintels shall have a minimum bearing of 8" on each side.
2. Lintels over openings larger than 14'-0" must be pre-stressed.
3. All lintels are to have 1 #5 bar (2 #5 bars for openings over 10'-0") and concrete poured in lintel cavity, unless noted otherwise.
4. Lintels to be Cast-Crete 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.

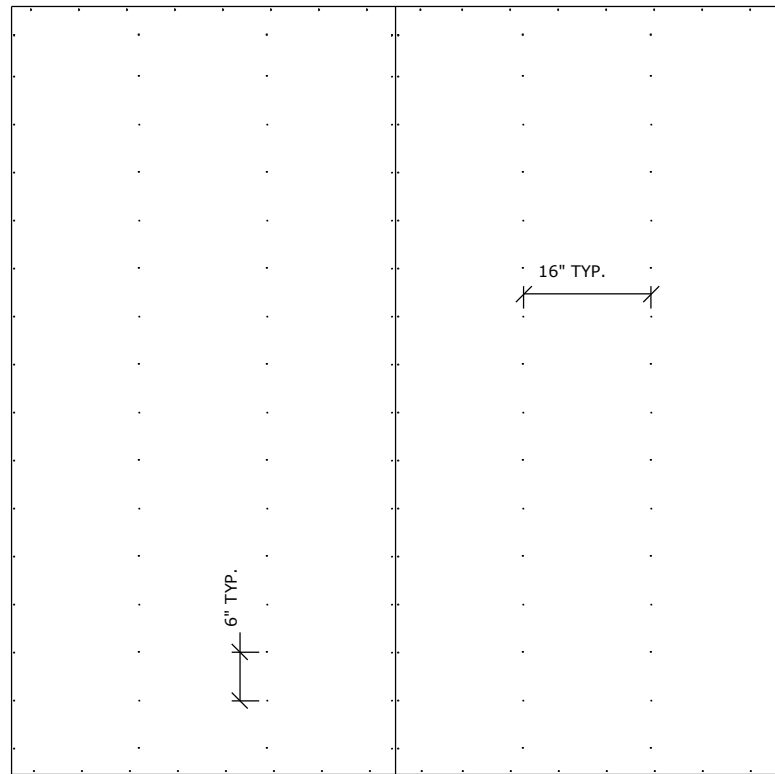
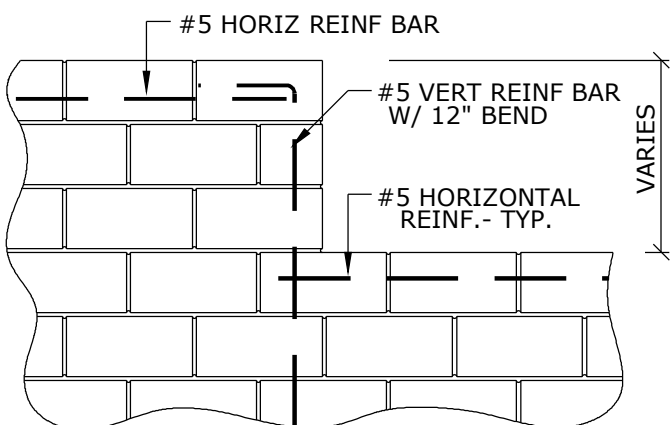


0902 DOOR/SLIDER BUCK AND REBAR DETAIL SCALE: NTS

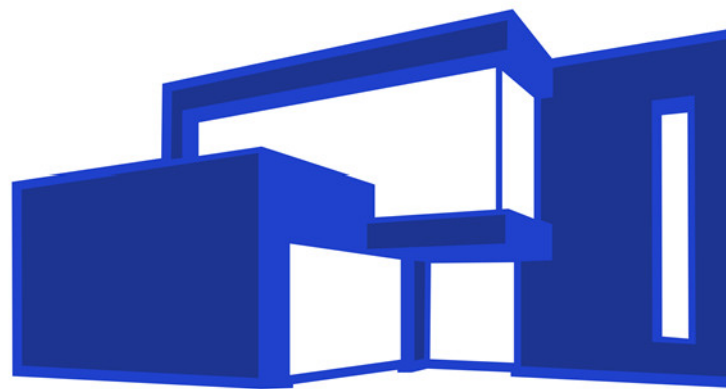


TYPICAL NAILING SCHEDULE

NAILSCHEDULE.dwg 13MAY21 SEK SCALE: NTS



#2	GRADE 2 DIMENSIONAL LUMBER	DEG.	DEGREES	INSUL.	INSULATION	R	RADIUS
A	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
A/I	AIRC FAULT CIRCUIT INTERRUPTER	E.A.	EACH	K-D	KNOCK DOWN	REF.	REFERENCE
ABS	ACRYLONITRILE-BUTADIENE-STYRENE	EL	ELEVATION	KD	KILN DRIED	REF.	REFERENCE
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	LFT.	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
AL. or ALUM.	ALUMINUM	EQUIP.	EQUIPMENT	LD.	LEAD	S.D.	SMOKE DETECTOR
ALT.	ALTERNATE	EST.	ESTIMATE	LDT	LARGE DIAMETER TAPCON	S.O.V.	SHUT OFF VALVE
ASPH.	ASPHALT	EVAP.	EVAPORATIVE COOLER	LN.	LINEAR	S/L	SKYLIGHT
AVG	AVERAGE	EXC.	EXCAVATE	UNO.	UNIQUE	S/S	STAINLESS STEEL
AWG	AMERICAN WIRE GAUGE	EXH.	EXHAUST	LT.	LIGHT	SC	SELF CLOSING
∠	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.L.	MALLEABLE IRON	SHTG.	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	MATL.	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 CLASS
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	FLOOR	MTL.	METAL	SYM	SYMMETRICAL
C.J.	CONTROL JOINT	FLG.	FLOORING	MUL	MULLION	SYF	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.J.	GALVANIZED IRON	N.R.	NAILER	T.O.B.	TOP OF BEAM
CA.	CEMENT	GA.	GAUGE	N.	NUMBER	T.O.C.	TOP OF CURB
CER	CERAMIC	GALV.	GALVANIZED	NOM.	NOMINAL	T.O.F.	TOP OF FOOTING
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	GILIE 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	GRADE VALVE	OH	OVER HEAD	TEL.	TELEPHONE
CLR.	CLEAR	GRC	GALVANIZED RIGID TUBING	OPNG.	OPENING	THD.	THREADED
CMU	CONCRETE MASONRY UNIT	GYP.	GYP. BOARD	OPPO.	OPPOSITE	THK.	THICKNESS
CONTRD.	CENTERED	GYP. BD.	GYP. BOARD	P.C.	PRECAST CONCRETE	THRU	THROUGH
COL.	COLUMN	H.B.	HOSE BIBB	P.L. or R	PROPERTY LINE	TLT.	TOILET
COMB.	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	UNO or UNO	UNLESS NOTED OTHERWISE
CONT.	CONTINUOUS	HDB.	HARDBOARD	PERP. or L	PERPENDICULAR	UR	URINAL
CONTR.	CONTRACTOR	HDW	HARDWARE	PH or Ø	PHASE	V.B.	VAPOR BARRIER
CU	COPPER	HGT.	HEIGHT	PL	PLASTER	V.F.	VERIFY IN FIELD
d	PENNY	HOR.	HORIZONTAL	PL. or R	PLATE	VA	VOLT AMPERE
D.F.	DRINKING FOUNTAIN	HTR	HEATER	PLAS.	PLASTIC	VCT	VINYL COMPOSITION TILE
D.G.	DECOMPOSED GRANITE	HVAC	HEATING, VENTILATING & AIR CONDITIONING	PLUMB.	PLUMBING	VERT.	VERTICAL
D.S.	DOWN SPOUT	HW	HOT WATER	PLYWD.	PLYWOOD	W.C.	WATER CLOSET
D/W	DISHWASHER	HYD.	HYDRAULIC	PORC.	PORCELAIN	WDW	WINDOW
DBL.	DOUBLE	I.C.	INTERCOM OUTLET	PREFAB.	PREFABRICATED	WCT	WAINSCOT
DEMO	DEMOLITION	I.D.	INSIDE DIAMETER	PSF	POUNDS PER SQUARE FOOT	WP	WEATHER PROOF
DIA. or Ø	DIAMETER	I.F.	INSIDE FACE	PSI	POUNDS PER SQUARE INCH	WT	WEIGHT
DIAG.	DIAGONAL	ID	IDENTIFICATION	PTNL	PARTITION	WJ	WITH
DIM.	DIMENSION	IG	ISOLATED GROUND	PVC	POLYVINYLCHLORIDE	W/O	WITHOUT
DL	DEAD LOAD	IMC	INTERMEDIATE METALLIC CONDUIT	PWR.	POWER	WD.	WOOD
DN.	DOWN	IMPG	IMPREGNATED	Q.T.	QUARRY TILE	W.I.	WROUGHT IRON
DR	DOOR	INCL.	"INCLUDE, INCLUSIVE"	QTY.	QUANTITY	YD.	YARD



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NOTES & DETAILS

Scale



1/4" = 1'





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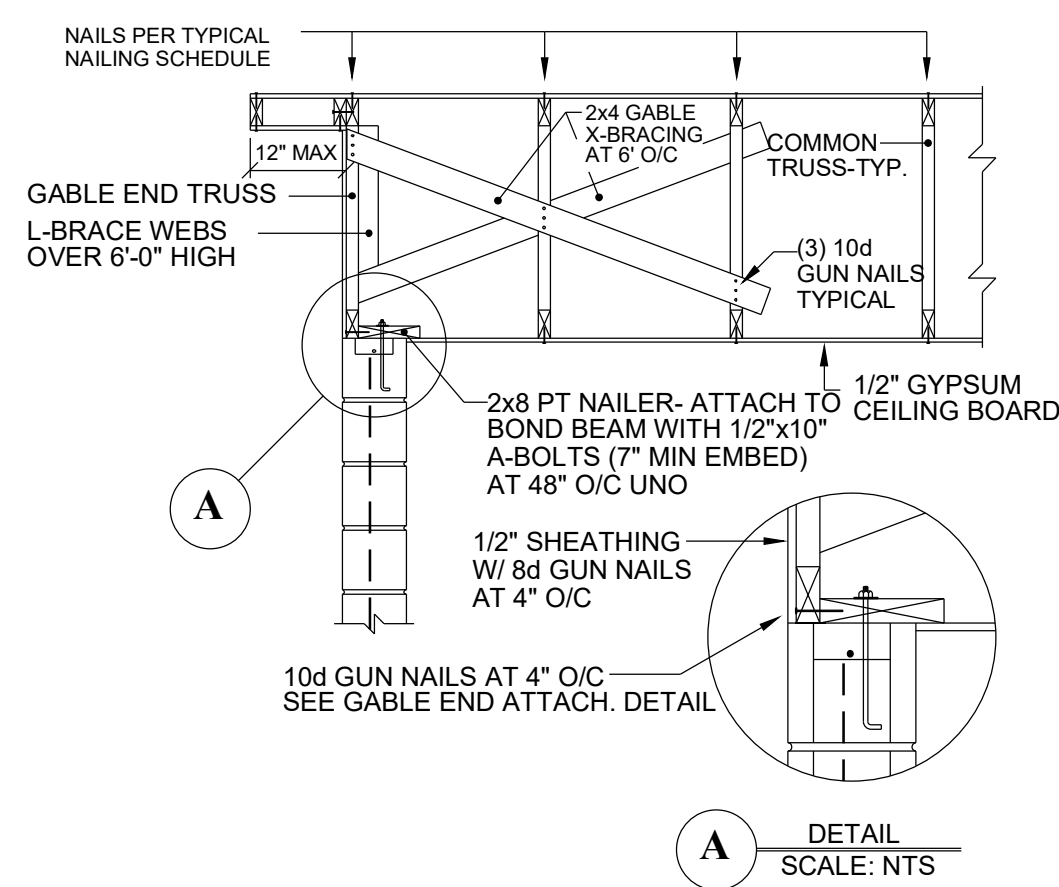
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ADDITIONAL NOTES & DETAILS

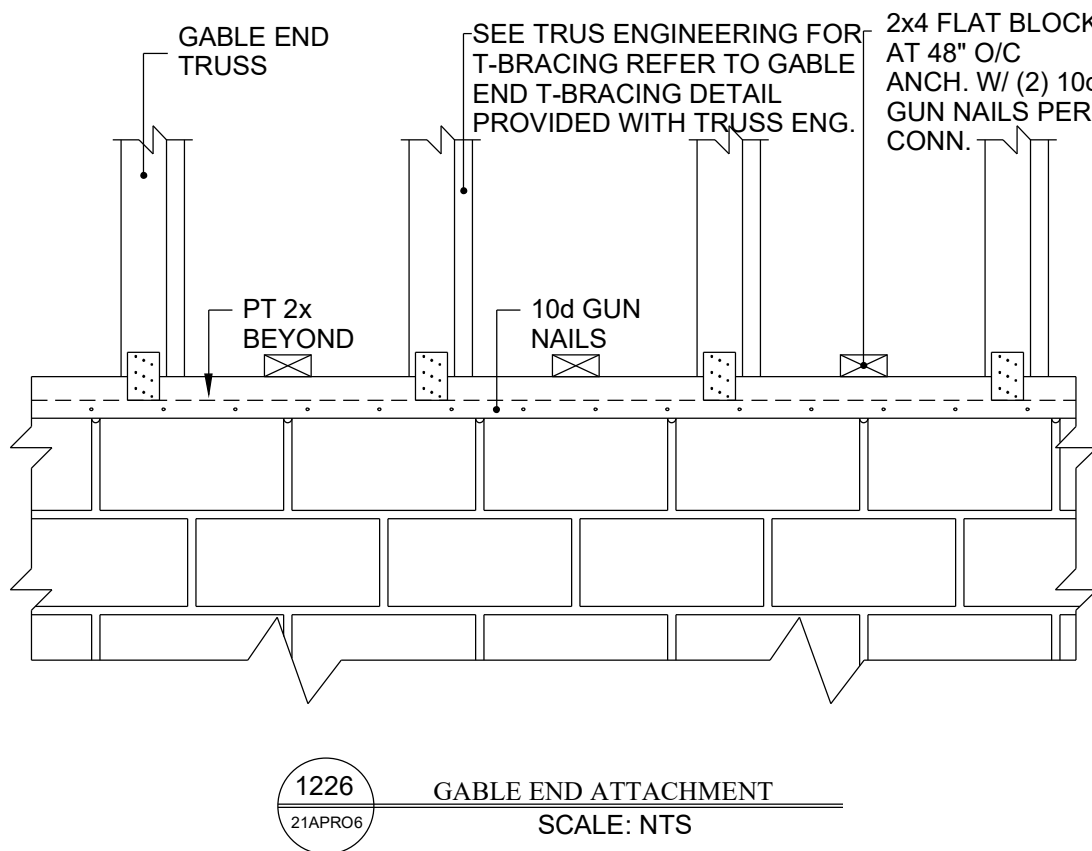
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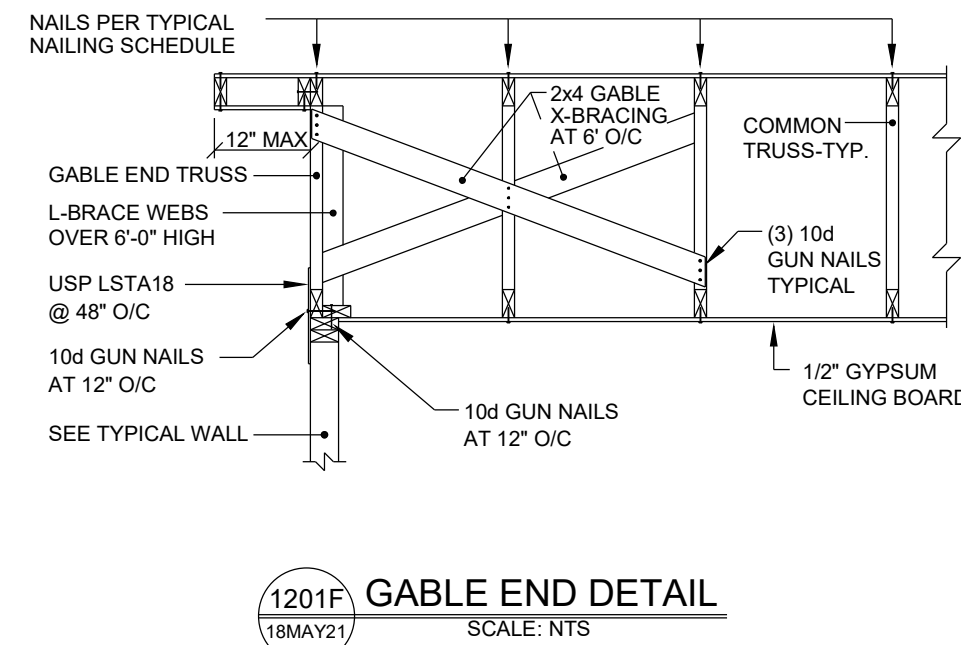
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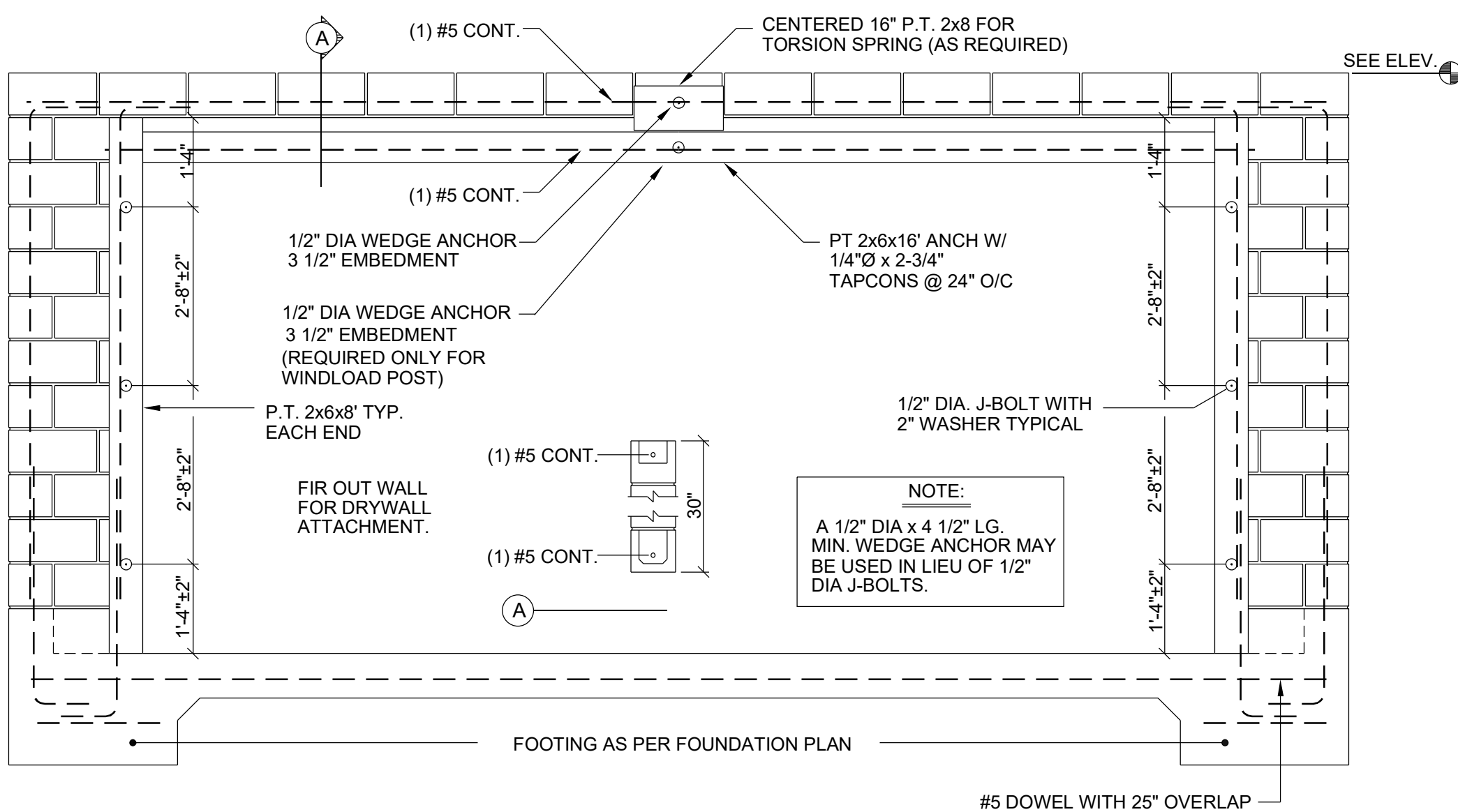
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21APR06  
GABLE END DETAIL  
SCALE: NTS



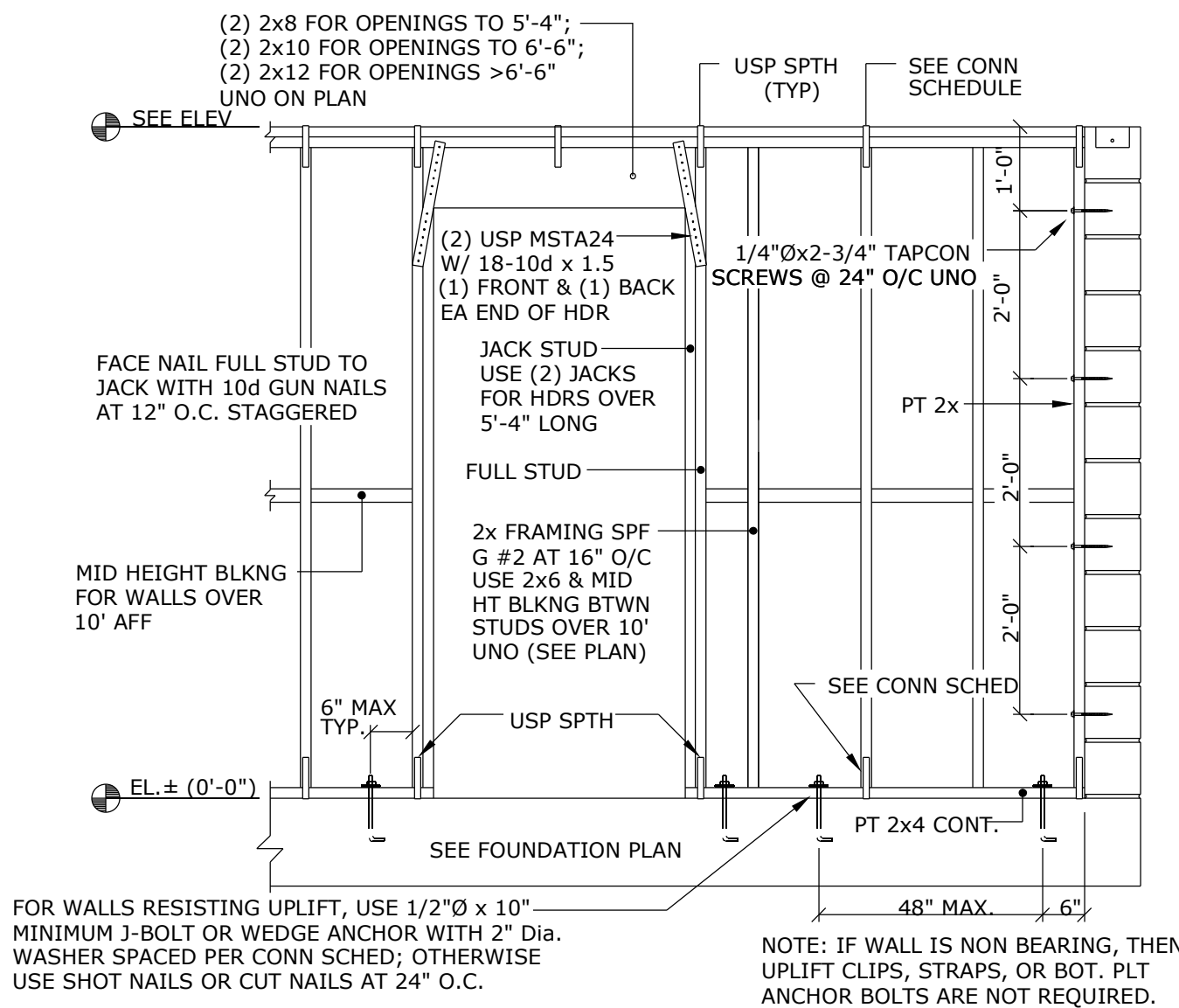
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21APR06  
GABLE END ATTACHMENT  
SCALE: NTS



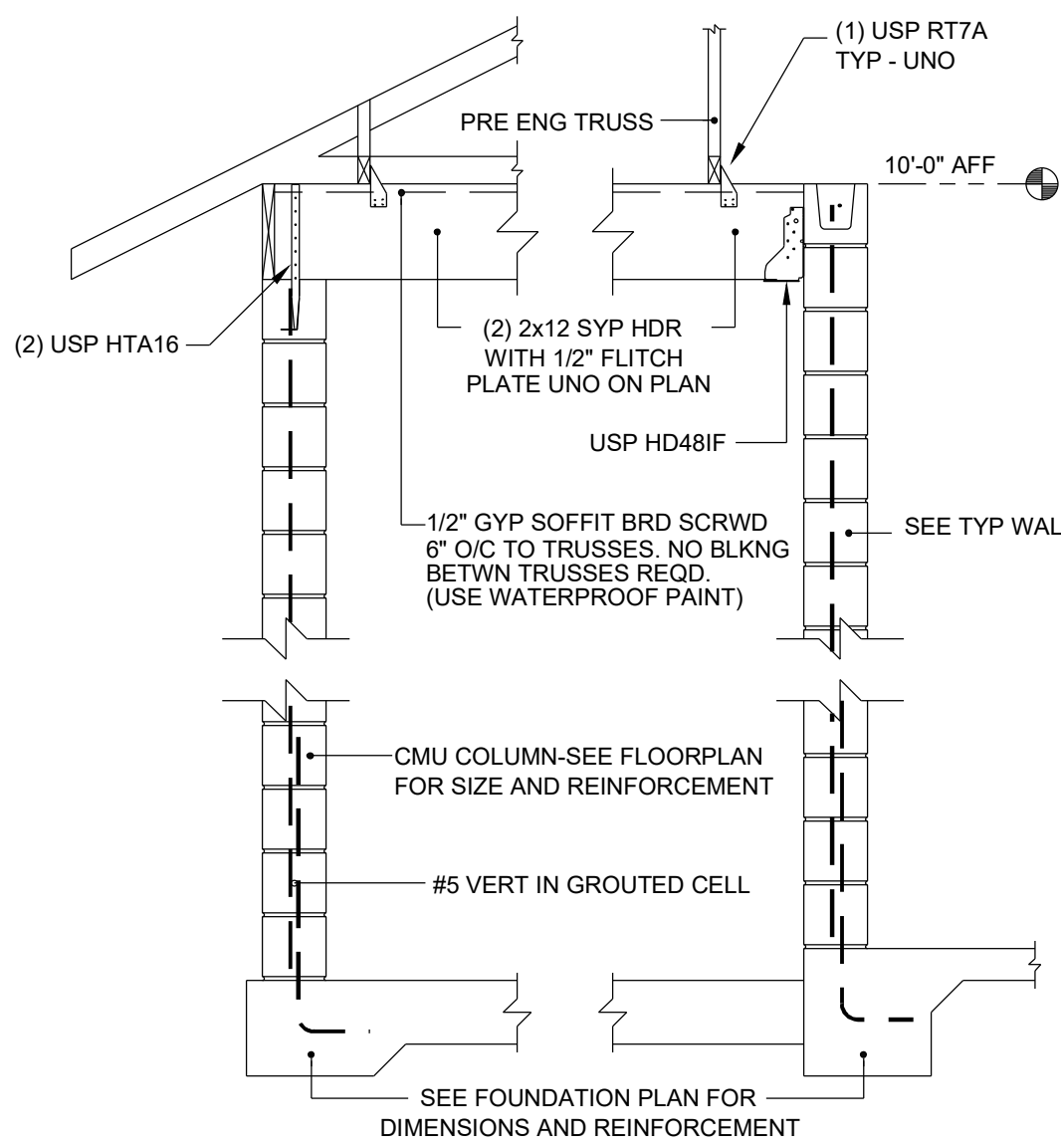
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18MAY21  
GABLE END DETAIL  
SCALE: NTS



1301  
21APR06  
GARAGE GOAL POST  
SCALE: NTS

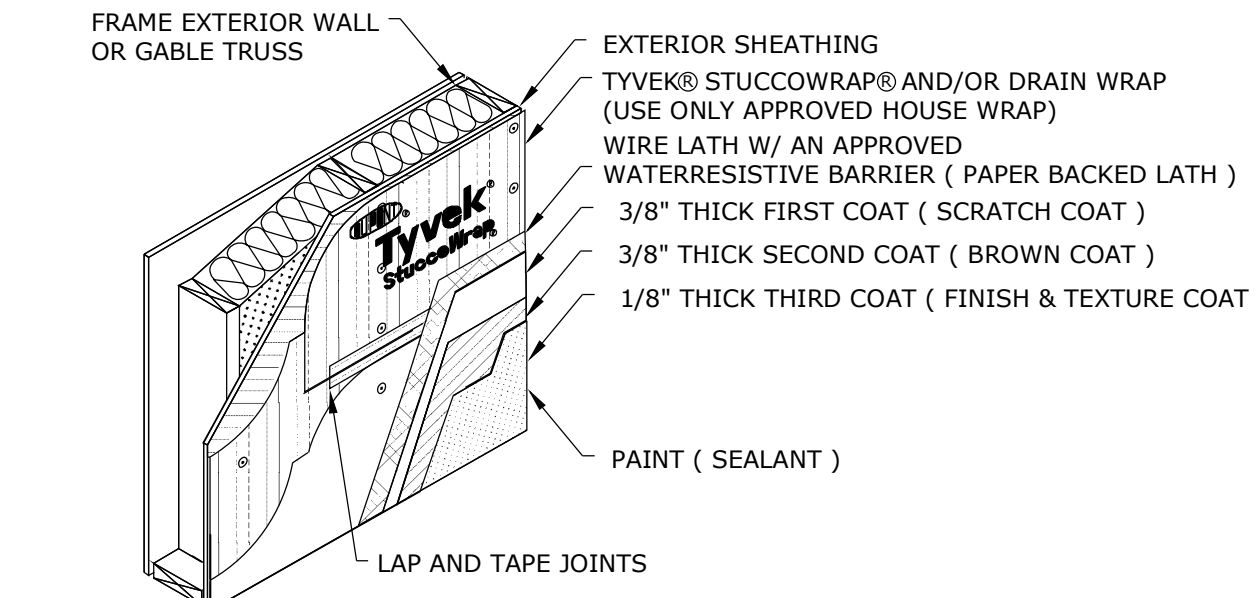


0801  
20APR06  
BEARING FRAME/BLOCK WALL DETAIL  
SCALE: NTS

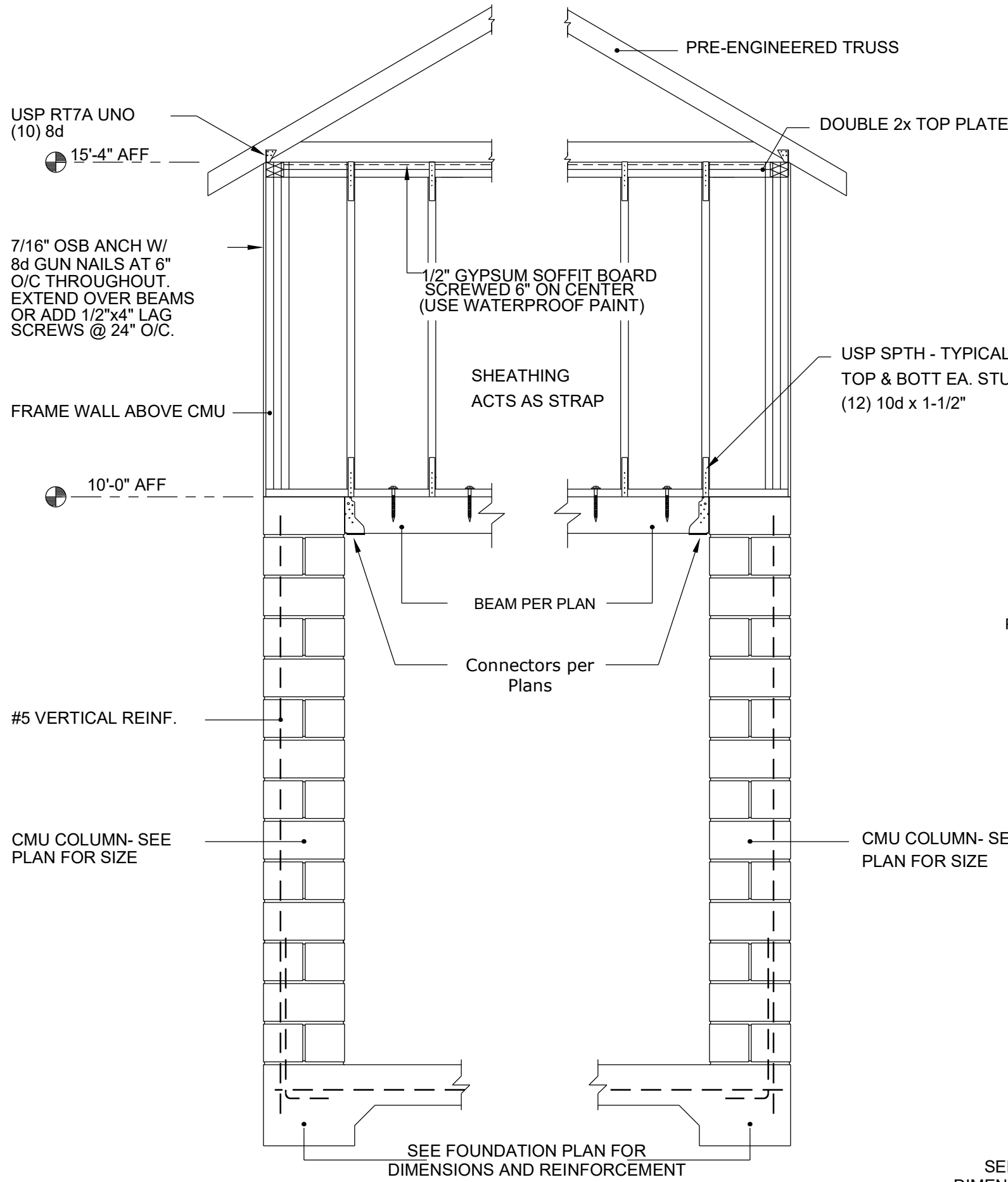


0314  
13FEB08  
PORCH DETAIL  
SCALE: NTS

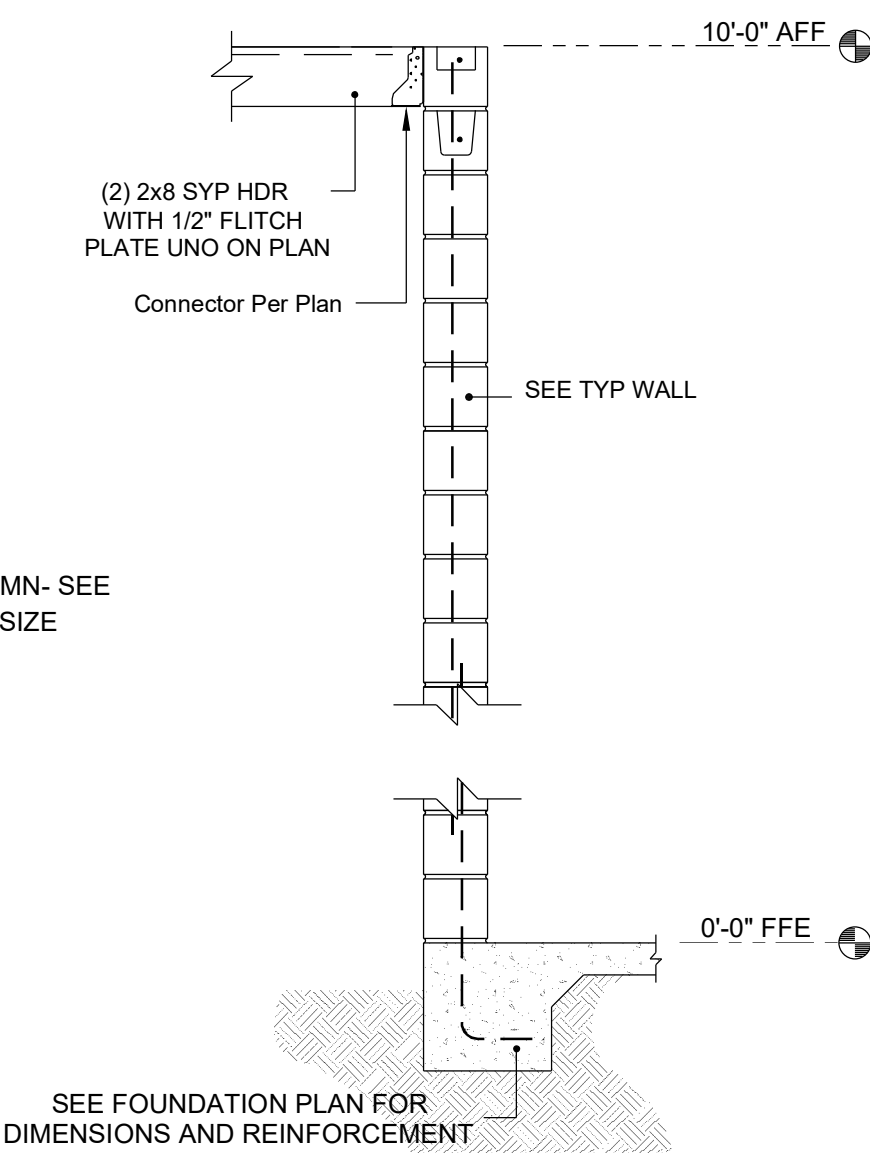
WOOD FRAME STRUCTURE w/STUCCO



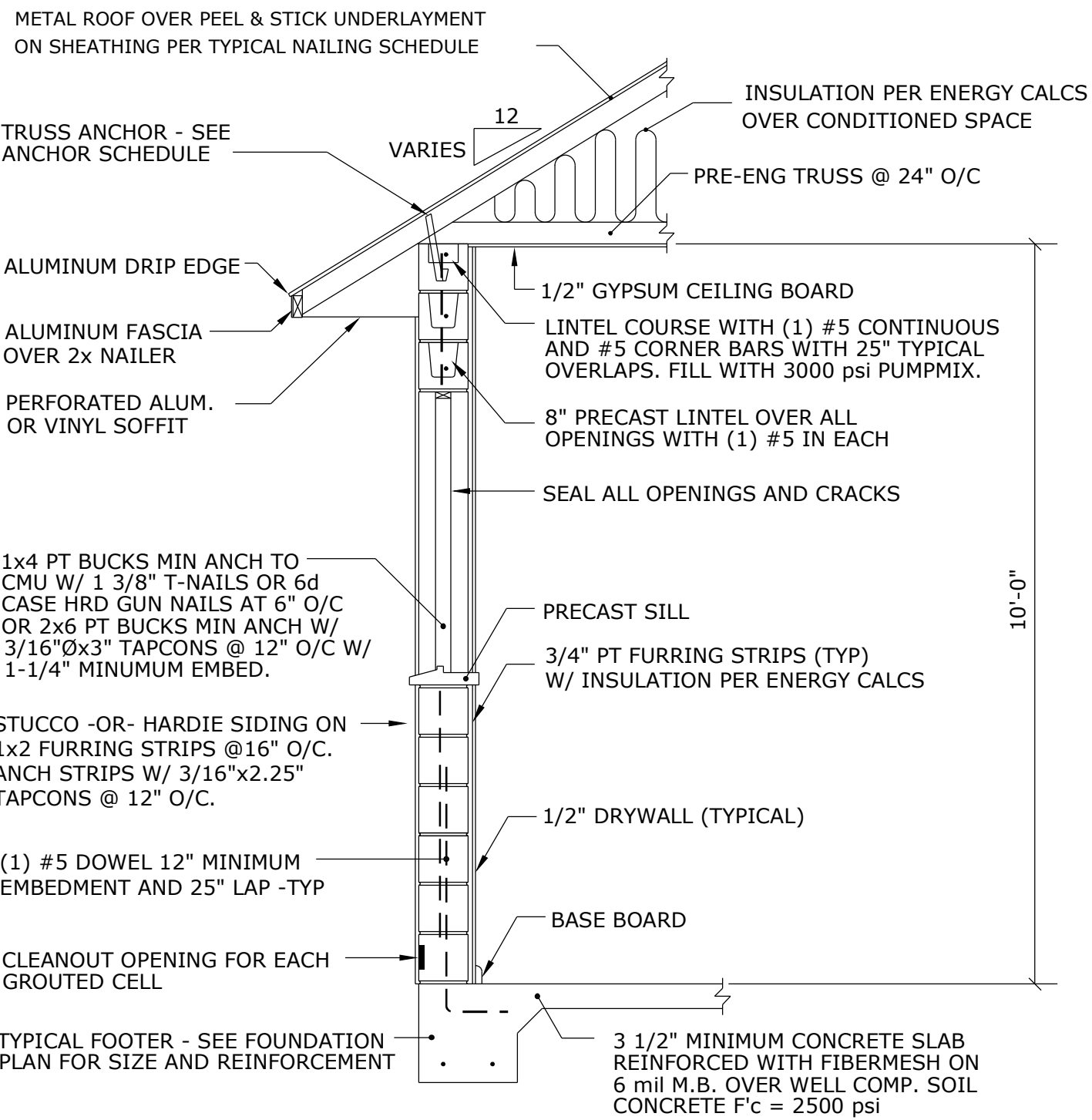
STUCCOED FRAME EXTERIOR WALLS & GABLE END TRUSSES ARE PER ASTM C 926 & ASTM C 1063. APPLY PAINT/SEALANT ON STUCCO APPLIED TO LATH OVER ONE LAYER OF A STATE APPROVED WATER RESISTANT BARRIER OVER AN APPROVED HOUSE WRAP PER FBC R703.7.3. USE OF WEEP SCREDS, CONTROL JOINTS, OR EXP. JOINTS SHALL BE USED TO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



0292  
17MAY22  
ENTRY PORCH DETAIL  
(FRONT VIEW)  
SCALE: NTS



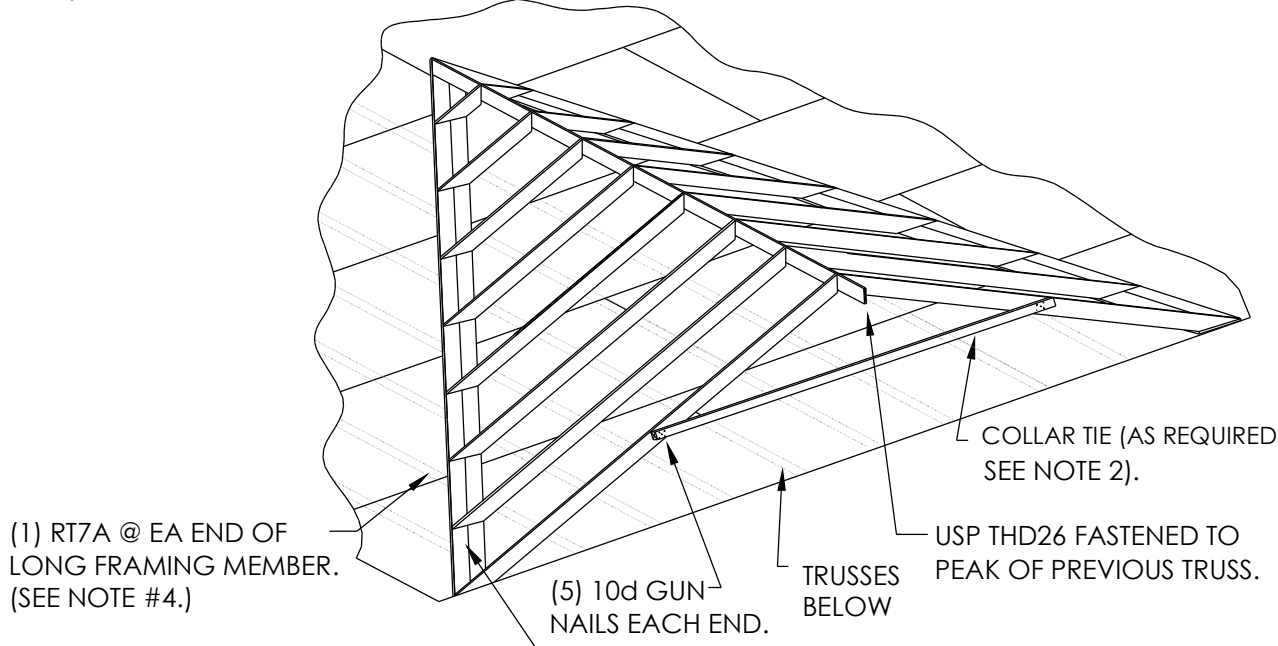
0292a  
17MAY22  
ENTRY PORCH BEAM  
CONNECTION DETAIL  
(SIDE VIEW)  
SCALE: NTS



0101  
20NOV09  
TYPICAL WALL SECTION  
SCALE: NTS

GENERAL VALLEY NOTES:

- 1) RAFTERS TO BE 2x4 SPACED 24" O.C. UP TO 8', USE 2x6 UP TO 12' LENGTH.
- 2) RAFTER LENGTHS (FROM RIDGE TO CLEAT) OVER 12'-0" TO HAVE (2x4) COLLAR TIE, OR VERTICAL KICKER. AT 1/2 RAFTER SPAN (UP TO 24'-0" MAX RAFTER LENGTH).
- 3) RIDGE BOARD SHALL BE 2x6 MIN. FOR 2x4 RAFTERS, & 2x8 MIN. FOR 2x6 RAFTERS.
- 4) ATTACH RAFTERS 4' OR LONGER TO RIDGE BOARD AND CLEAT USING (1) USP RT7A CONNECTOR, NAILED W/ (8) 8dx1-1/2" NAILS. ALL OTHERS TOE-NAIL W/ 0.131x3" GUN NAILS.
- 5) ALL CONVENTIONAL FRAMING LUMBER SHALL BE SPF STUD GRADE OR BETTER.

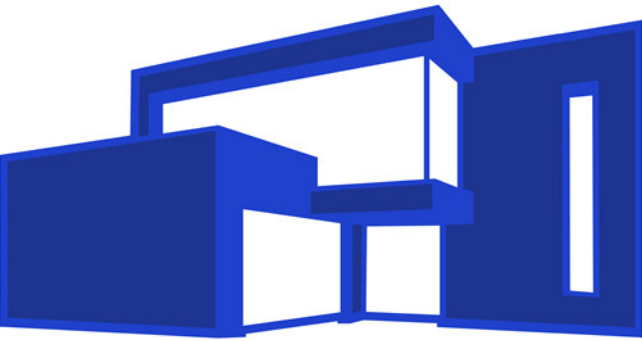


1501  
09FEB15  
VALLEY FRAMING DETAIL  
SCALE: NTS









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FIELD CONDITIONS, PRODUCTS, AND ASSEMBLIES MAY VARY FROM WHAT IS DEPICTED IN THESE PLANS. DESIGN INTENT IS PARAMOUNT. PLAN DIMENSIONS ARE WORKER ACCURATE UNLESS OTHERWISE NOTED. ALWAYS CONSULT CREATIVE.

# Modern Custom Home

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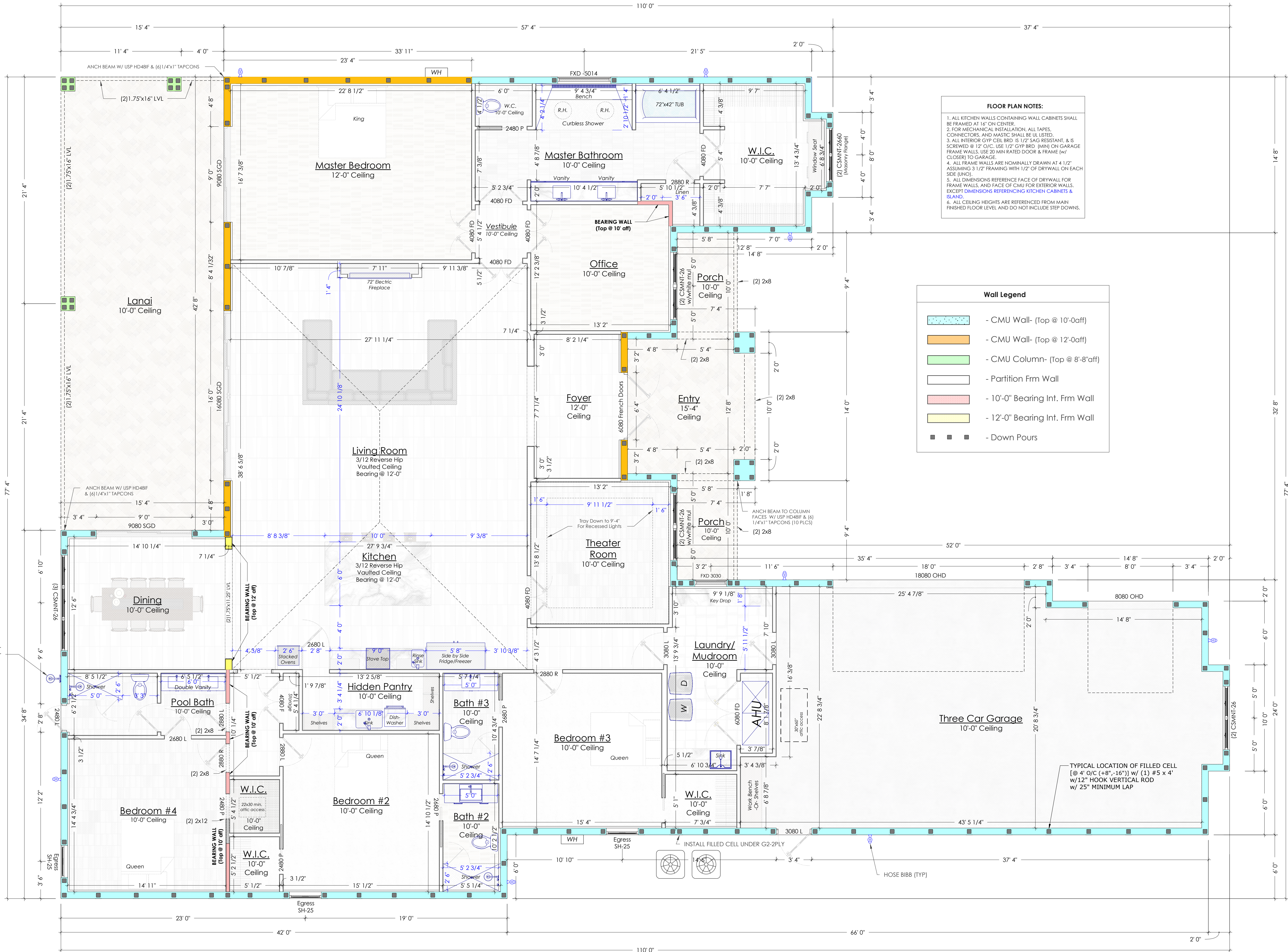
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FLOOR PLAN

Scale 1/4" = 1'

PAGE NO

06







**Project  
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A circular diagram showing a cross-section of a truss structure. A vertical truss member is labeled 'TRUSS'. A horizontal block is labeled 'BLOCK'. A strap is labeled 'STRAP'. The diagram shows the truss member passing through the block, which is supported by the strap.

## STANDARD REPAIRS FOR STRAP MISALIGNMENT

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

STRAPRPR.DWG

16DEC09

SCALE: NTS

[illegible]

ate

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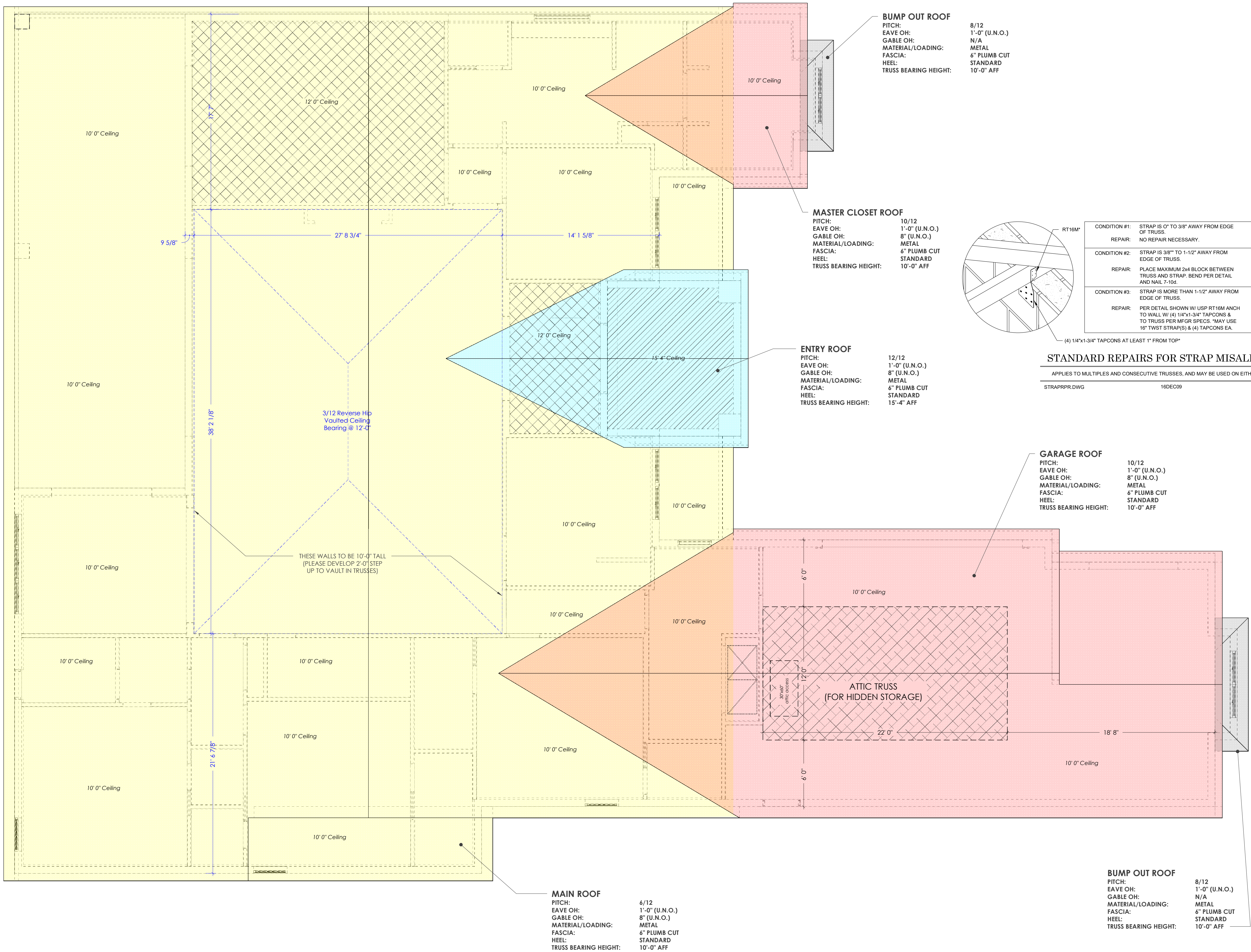
FIELD CONDITIONS, PRODUCTS, AND ASSEMBLIES MAY VARY FROM WHAT IS DEPICTED IN THESE PLANS. DESIGN INTENT IS PARAMOUNT. PLAN DIMENSIONS ARE MORE ACCURATE THAN SCALING. AVAILABLE BUDGET ALWAYS CONSTRAINS CREATIVITY.

## ROOF PLAN

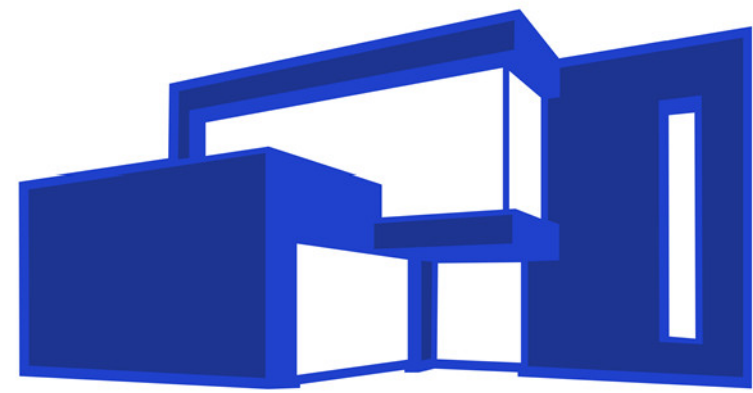
Scale        1/4" = 1'

PAGE №

07







ARMISTEAD DESIGN INC

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675 Fern Drive  
Meritt Island, Florida 32952  
Phone: (321) 454-6499  
www.ArmisteadDesign.com

Project  
DESIGNER  
Chris Feddersen

REVISIONS

Description

Date

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TRUSS & CONNECTOR SCHEDULE

Scale 1/4" = 1'

PAGE NO.

08

ANCHOR/CONNECTOR SCHEDULE						170CT05
MAD_CONN_SCHEDULE.dwg CONNECTOR REVISION DATE: 04JUL19						
NOTE: CONNECTOR ASSEMBLIES ARE INDICED BY LOAD PATH SYMBOL MFGR.: "U" = USP, "S" = SIMPSON, "G" = GENERIC						
NO.	MFGR.	QTY.	PART NO.	ATTACHMENT	CONNECTED ELEMENTS	RATED UPLIFT (IN LBS)
101	U	1	HTA16	(10)10d x 1.5	TRUSS TO BOND BEAM	1870
102	U	2	HTA16	(10)10d x 1.5 EA	TRUSS TO BOND BEAM	2430
114	U	1	HUGT	(2)-3/4"Ø ALL THREAD -14" EMBED & (8)-10d	GIRDER TO BOND BEAM	9790-2 PLY 9860-3 PLY 9860-4 PLY
201	U	1	RT7A	(10)8d x 1.5	TRUSS TO TOP PLATE	630
LOAD PATH	U	1	SPTH SERIES (48" OC)	(12)10d x 1.5	TOP PLATE TO STUD	
	U	1	SPTH SERIES (48" OC)	(12)10d x 1.5	SAME STUD TO BOTTOM PLATE	
	U	1	J-BOLT OR SCRW ANCH	1/2"Ø W/2" WSHR @ 48" OC-7" EMBED	BOTTOM PLATE TO BOND BEAM OR FOUNDATION	
202	U	2 { OR 1 }	RT7A { HTW20 }	(10)8d x 1.5 EA { (24)10d x 1.5 }	TRUSS TO TOP PLT { TRUSS LEG TO TOP PLT }	1260
LOAD PATH	U	1	SPTH SERIES (32" OC)	(12)10d x 1.5	TOP PLATE TO STUD	
	U	1	SPTH SERIES (32" OC)	(12)10d x 1.5	SAME STUD TO BOTTOM PLATE	
	U	1	J-BOLT OR SCRW ANCH	1/2"Ø W/2" WSHR @ 24" OC-7" EMBED	BOTTOM PLATE TO BOND BEAM OR FOUNDATION	
203	U	2	HTW20	(20)10d x 1.5 EA	TRUSS (OR BEAM) TO TOP PLATE AND STUDS	2280 *2710*
LOAD PATH	U	1	HTT45	(26)10d & 5/8"Ø ALL THREAD DRILL /EPOXY-10" EMBED	STUDS TO BOND BEAM OR FOUNDATION	
601	U	1	RT7A	(10)-8d x 1.5	TRUSS TO BEAM OR LEDGER	630
701	U	1	RT7A	(10)-8d x 1.5	TRUSS TO TOP PLATE	630
LOAD PATH	U	1	SPTH SERIES (48" OC)	(12)-10d x 1.5	TOP PLATE TO STUD	
	U	1	SPTH SERIES (48" OC)	(12)-10d x 1.5	SAME STUD TO BOTTOM PLATE	
	U	1	*LAG SCREWS	1/2"x4" W/ 2" WSHR @ 48" OC OR EA FLR TRUSS	BOTTOM PLATE TO TRUSSOR BEAM	
LOAD PATH				*ONLY REQD IF NO SHEATHING OR STOPS WIN 8" OF BOT PLT O/WISE NAIL SHTG @ 3" OC	*2JWS4 SCRWs MAY BE USED IN LIEU OF (1) LAG	
MAD_CONN_SCHEDULE2.dwg TRUSS AND BEAM ANCHOR SCHEDULE						26AUG05
NO.	MFGR.	QTY.	PART NO.	GIRDER/HEADER FASTENERS	TRUSS/JOIST FASTENERS	RATED CAPACITY (IN LBS)
O	U	1	HD48IF	(14)16d	(6)10d	1960-FLOOR 2450-ROOF 1135-UPLIFT
Q	U	1	UMH358	(2)3/4" SCR ANCH	(16)16d	3550 - CMU 6380 - CONC

HANGER TO MASONRY / CONCRETE CONNECTION NOTE:  
TO ANCHOR HANGER TO MASONRY/CONCRETE: FILL ALL HOLES W/ 1/4"Ø X 2 3/4" TAPCON SCREWS

FRAMER NOTE:  
FOR GIRDERS BEARING ON FRAMED WALLS, MINIMUM STUDS (SPF GR2) UNDER BEARING SHALL BE GIRDER PLYS PLUS 1 UNO. SHIFT STUDS AS REQUIRED TO ACCOMMODATE CONN.

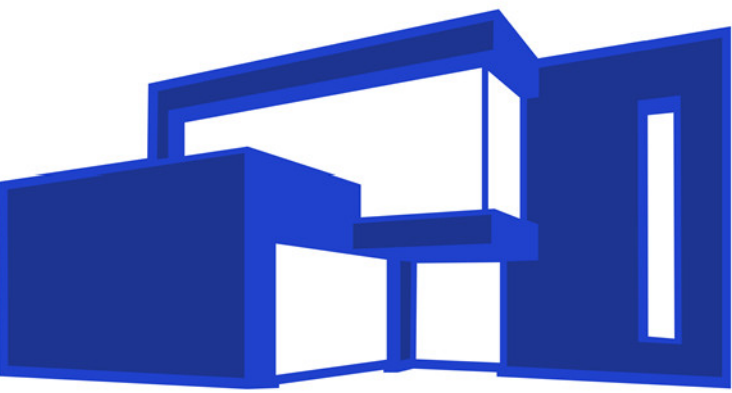
TRUSS CONNECTOR LEGEND  
INDICATES THE ENTIRE WALL TO THE CORNERS.  
INDICATES A SPECIFIC TRUSS TO TOP PLATE/ LINTEL CONNECTION.  
INDICATES ALL INCLUDED TRUSS TO TOP PLATE/ LINTEL CONNECTION.

TRUSS LAYOUT & REACTIONS RECEIVED (& INSERTED IN DRAWINGS) FROM:  
TRUSSWOOD  
321-383-0366  
STRUCTURE TO BE DESIGNED AT WIND SPEED & PRESSURES SHOWN IN THESE PLANS (MINIMUM). IT IS ACCEPTABLE TO ENGINEER OF RECORD TO HAVE ROOF SYSTEM & CONNECTORS DESIGNED AT HIGHER LIVE & DEAD LOADS, WIND SPEED, AND/OR WITH MORE CONSERVATIVE PRESSURE COEFFICIENTS.

NOTE: UNLESS NOTED OTHERWISE ON THESE DRAWINGS,

- TRUSS/LVL TO CMU/CONCRETE CONNECTIONS ARE W/ 101 (1870 LBS UPLIFT CAPACITY).
- TRUSS/LVL TO WOOD FRAME WALL CONNECTIONS ARE W/ 201 (630 LBS UPLIFT CAPACITY).
- TRUSS/LVL TO WOOD BEAMS/LEDGERS/TRUSSES CONNECTIONS ARE W/ 601 (630 LBS UPLIFT CAPACITY).





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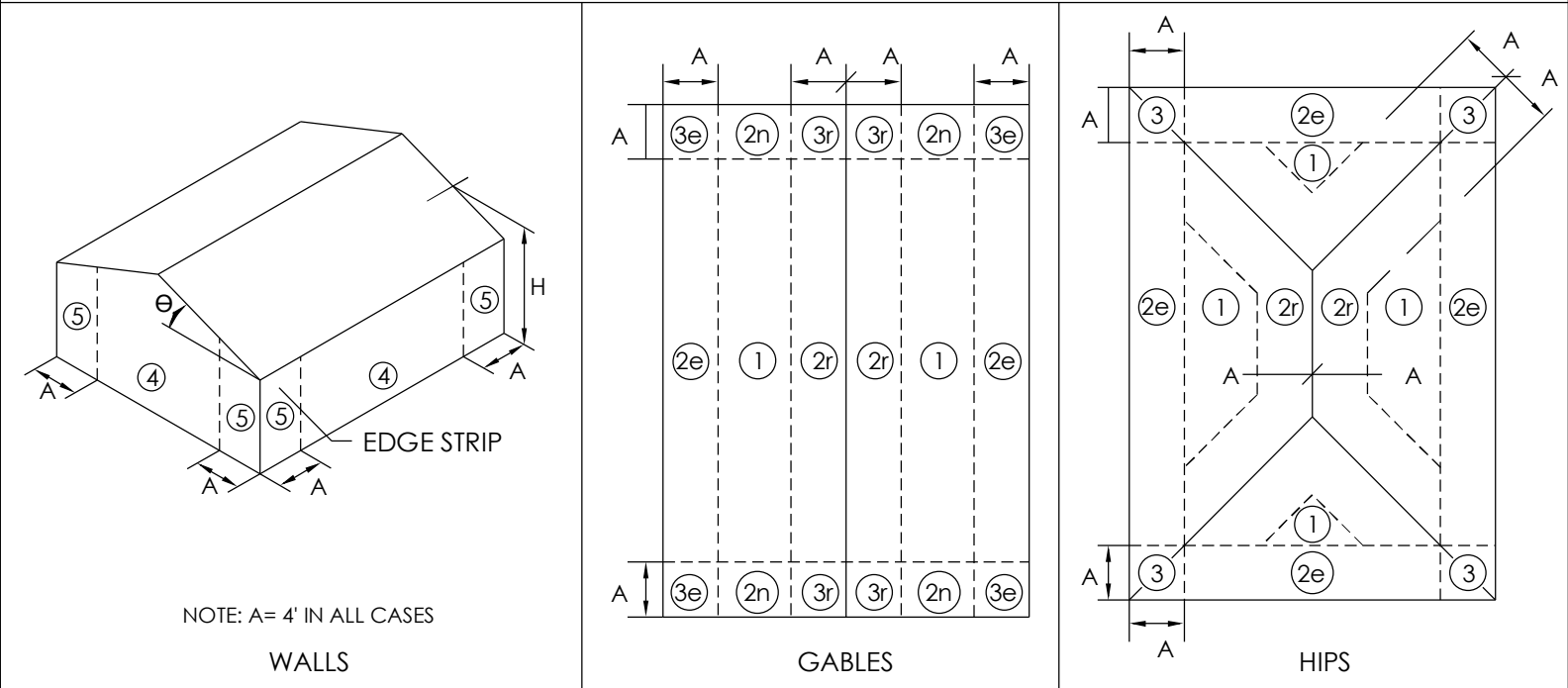
Project  
DESIGNER  
Chris Feddersen

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Front Elevation

COMPONENT AND CLADDING  
LOADING DIAGRAMS



COMPONENTS & CLADDING PRESSURES TABLE				
ALLOWABLE STRESS DESIGN - 150 MPH ULTIMATE				
EXP. D, GABLE ROOF ANGLE: 27°<φ<45° (6.1-12-12)				
MEAN ROOF HT H <= 15' INTERNAL PRESS COEFF: ±0.18				
ZONE	LOCATION	WIND AREA (ft2)	PRESSURE (psf)	
1	ROOF INTERIOR	SF <= 10	32.6	-59.9
		SF >= 20	29.1	-50.8
		SF >= 50	24.2	-38.6
		SF >= 100	20.5	-29.6
2	ROOF EDGE	SF <= 10	32.6	-66.0
		SF >= 20	29.1	-58.9
		SF >= 50	24.2	-49.6
		SF >= 100	20.5	-42.6
3	ROOF CORNER	SF <= 10	32.6	-81.1
		SF >= 20	29.1	-72.0
		SF >= 50	24.2	-59.9
		SF >= 100	20.5	-50.8
4	WALL	SF <= 10	35.7	-38.6
		SF >= 20	34.1	-37.1
		SF >= 50	31.8	-34.9
		SF >= 100	30.2	-33.3
		SF >= 500	26.6	-29.6
5	WALL CORNER	SF <= 10	35.7	-47.7
		SF >= 20	34.1	-44.5
		SF >= 50	31.8	-40.2
		SF >= 100	30.2	-37.1
		SF >= 500	26.6	-29.6
PRESSURES BASED UPON TABLE R301.2(2)				

REVISIONS

Description Date

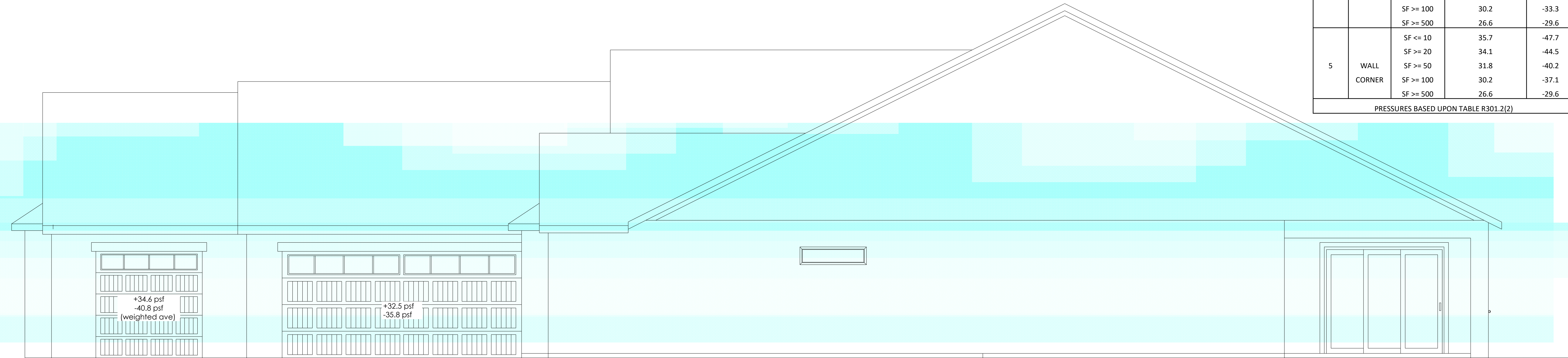
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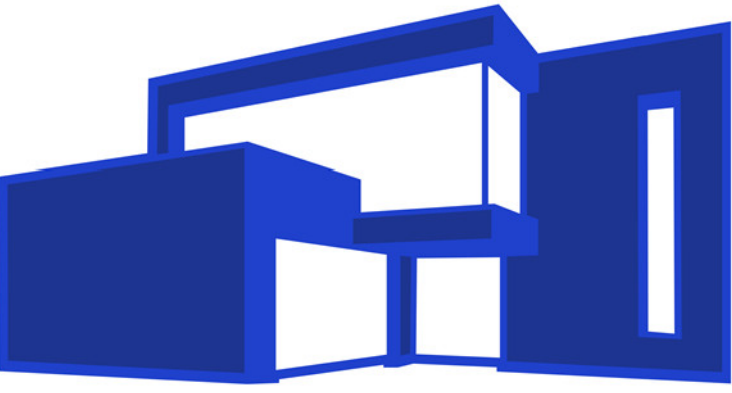


Right Elevation

ELEVATION VIEWS  
FRONT & RIGHT

Scale 1/4" = 1'





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Project Designer  
Chris Feddersen



15'-4" o.f.f.  
Entry Bearing Height

10'-0" o.f.f.  
Bearing Height

8'-0" o.f.f.  
Header Height

0'-0" o.f.f.  
Finished Floor

0'-1.5" b.f.f.  
Front Porch Level

0'-4" b.f.f.  
Garage Level

0'-0" b.f.f.  
Lanal Level

Rear Elevation

REVISIONS

Description Date

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15'-4" o.f.f.  
Entry Bearing Height

10'-0" o.f.f.  
Bearing Height

8'-0" o.f.f.  
Header Height

0'-0" o.f.f.  
Finished Floor

0'-1.5" b.f.f.  
Front Porch Level

0'-4" b.f.f.  
Garage Level

0'-0" b.f.f.  
Lanal Level

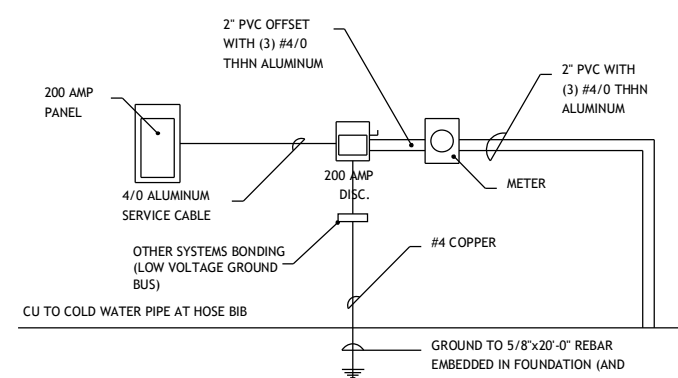
ELEVATION VIEWS  
REAR & LEFT

Scale 1/4" = 1'



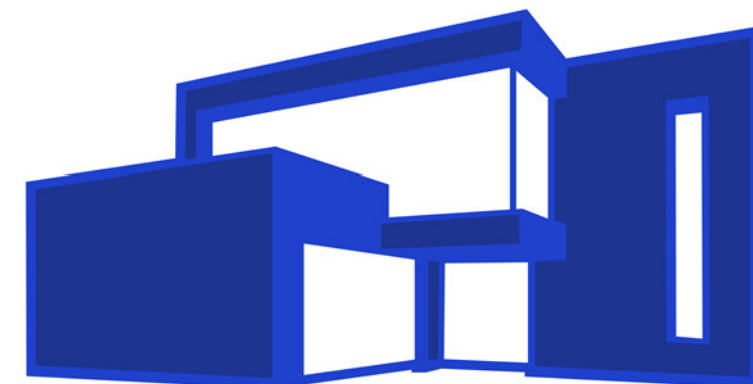
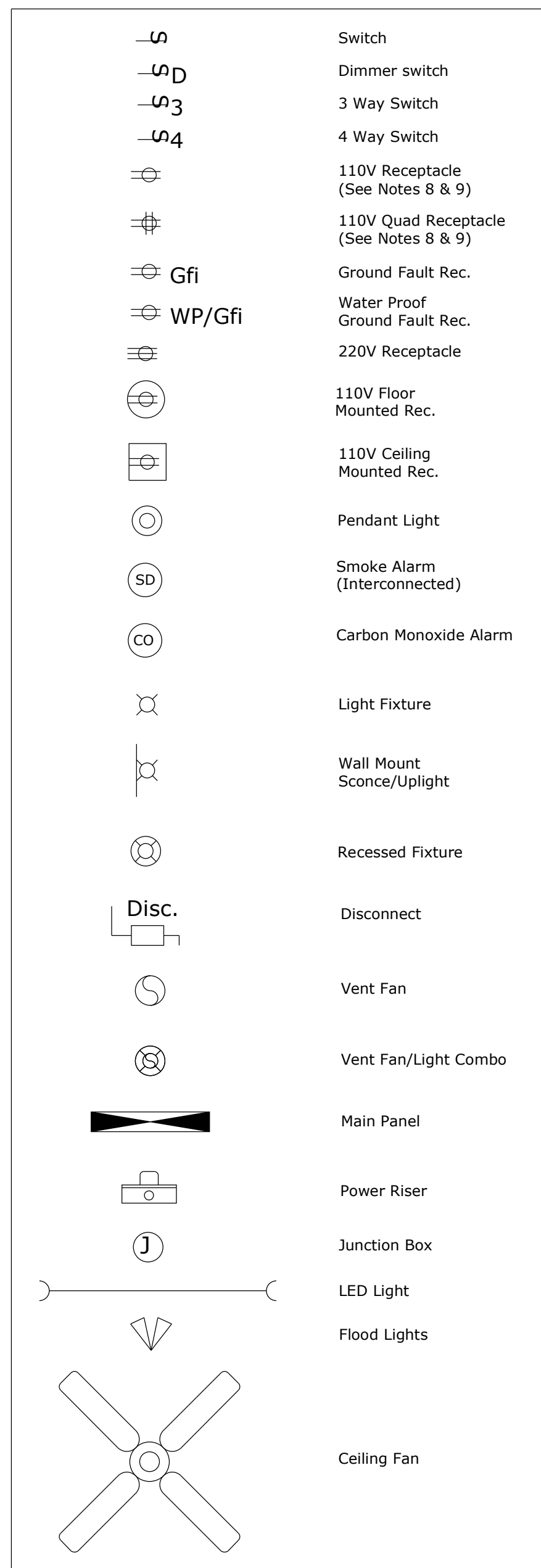
1. All work shall comply with the current National Electrical Code and must comply with local utility requirements for service connections.
2. Conduit that penetrates wall must be sealed. Wall surfaces that are disturbed shall be repaired and painted to match the existing surface.
3. All electrical equipment 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 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.
10. Smoke Alarms to be placed in accordance with FBC R314



## 200A - UNDERGROUND ELECTRICAL RISER

Electrical Load Calculation		
<u>General Load</u>		
4077sfl at 3VA	20A /12ga	12,231VA
Small Appliance (4 @ 1500VA)	20A /12ga	6,000VA
Washer	20A /12ga	1,500VA
Dryer	30A /10ga	5,000VA
Disposal	20A /12ga	500VA
Refrigerator	20A /12ga	1,600VA
Dishwasher	20A /12ga	1,200VA
Water Heater	30A /10ga	4,500VA
Range	50A/8ga	12,000VA
General Load		44,531VA
First 10kVA at 100%		10,000VA
Remainder at 40%		13,812VA
Sub-Total General Load		23,812VA
Air Conditioning (x2)		20,000VA
Rated Total		43,812VA
Calculated Load	Rated Total/240V=	
	183A	



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[www.ArmisteadDesign.com](http://www.ArmisteadDesign.com)

Project  
DESIGNER  
Chris Feddersen

Electrical Contractor: \_\_\_\_\_  
E.C. Address: \_\_\_\_\_  
\_\_\_\_\_  
E.C. License #: \_\_\_\_\_  
Add: \_\_\_\_\_

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)

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ELECTRICAL PLAN

Scale        1/4" = 1'

PAGE NO.