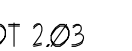
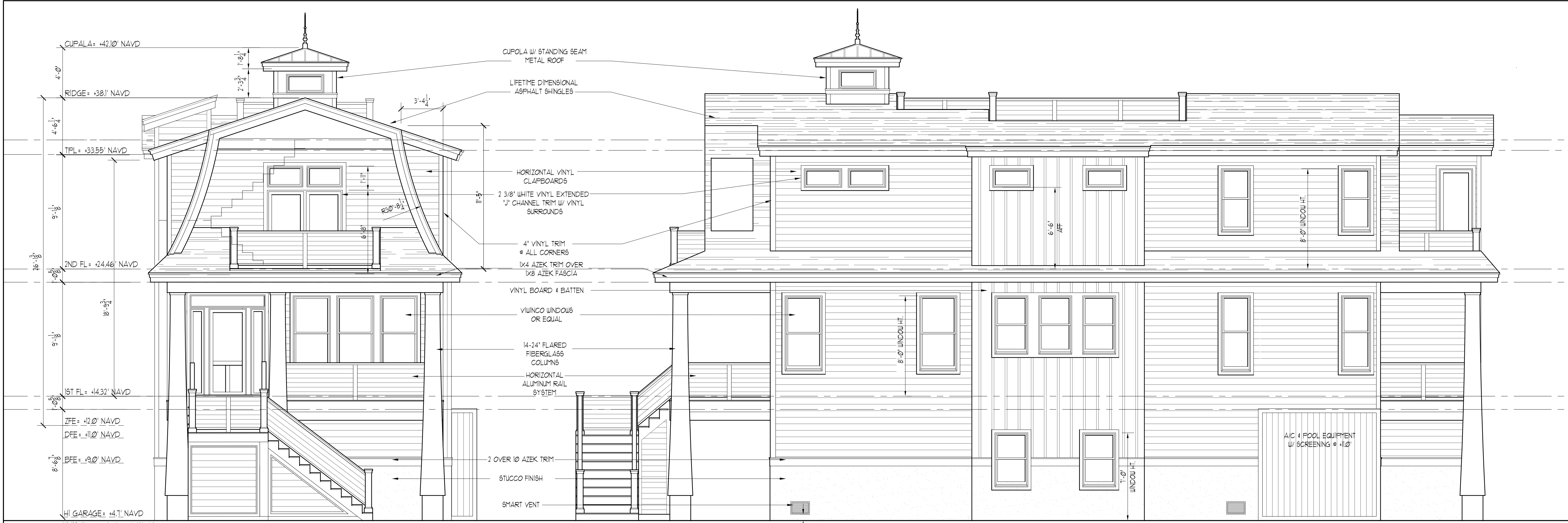


A detailed line drawing of a two-story house. The house features a gambrel roof with a small cupola on top. The second floor has a balcony with a railing and a window with four panes. The first floor has a porch with a railing and a set of stairs leading up to it. The house is surrounded by a fence.

Working Drawings

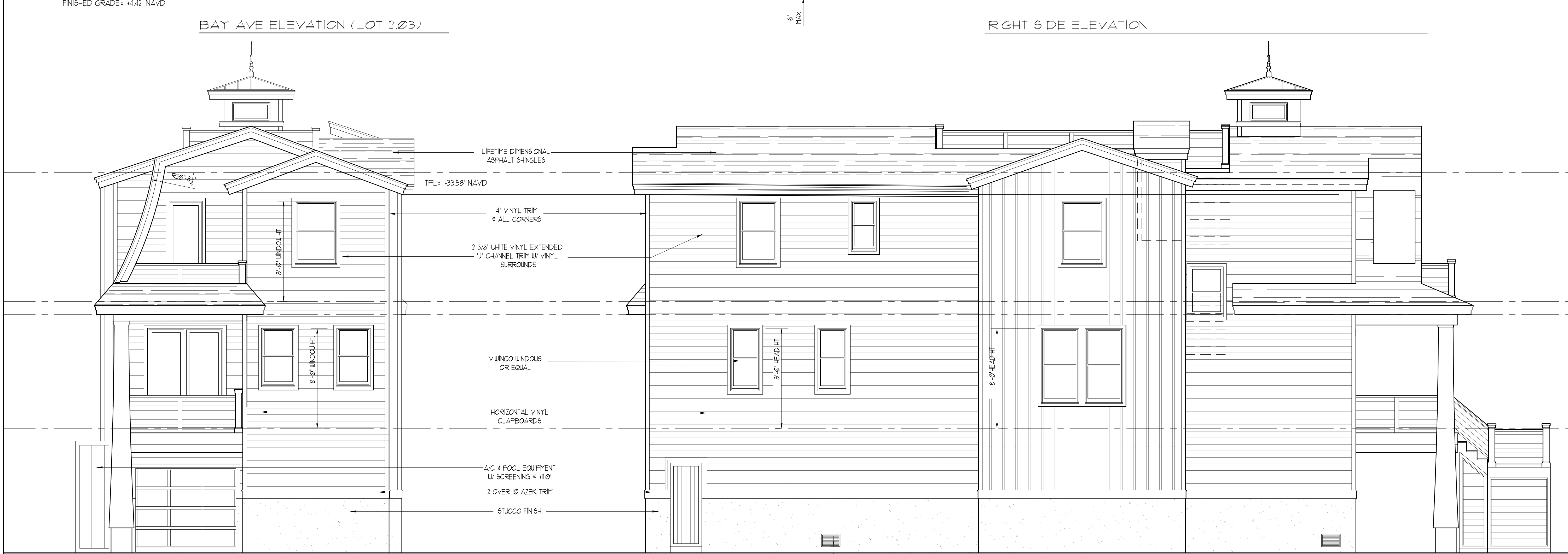
August 04, 2022





BAY AVE ELEVATION (LOT 2.03)

RIGHT SIDE ELEVATION



REAR ELEVATION

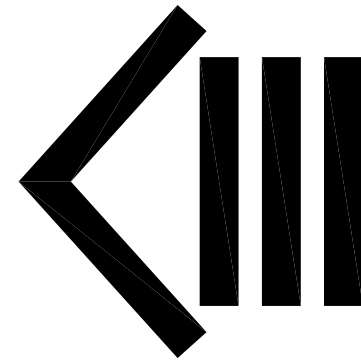
LEFT SIDE ELEVATION

GEORGE WRAY THOMAS PE, PP, RA

Registered Architect
Professional Engineer

P. (609) 927-5050 F. (609) 927-3330
WWW.GWTHOMAS.NET
599 SHORE ROAD SOMERS POINT NEW JERSEY

G.W. Thomas
A 0 9 5 6 8



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Revisions:

Date:
8-4-22

Scale:
1/8" = 1'-0"

Drawn:
DJR, AMB,SLM

Checked:
GWT

File No:

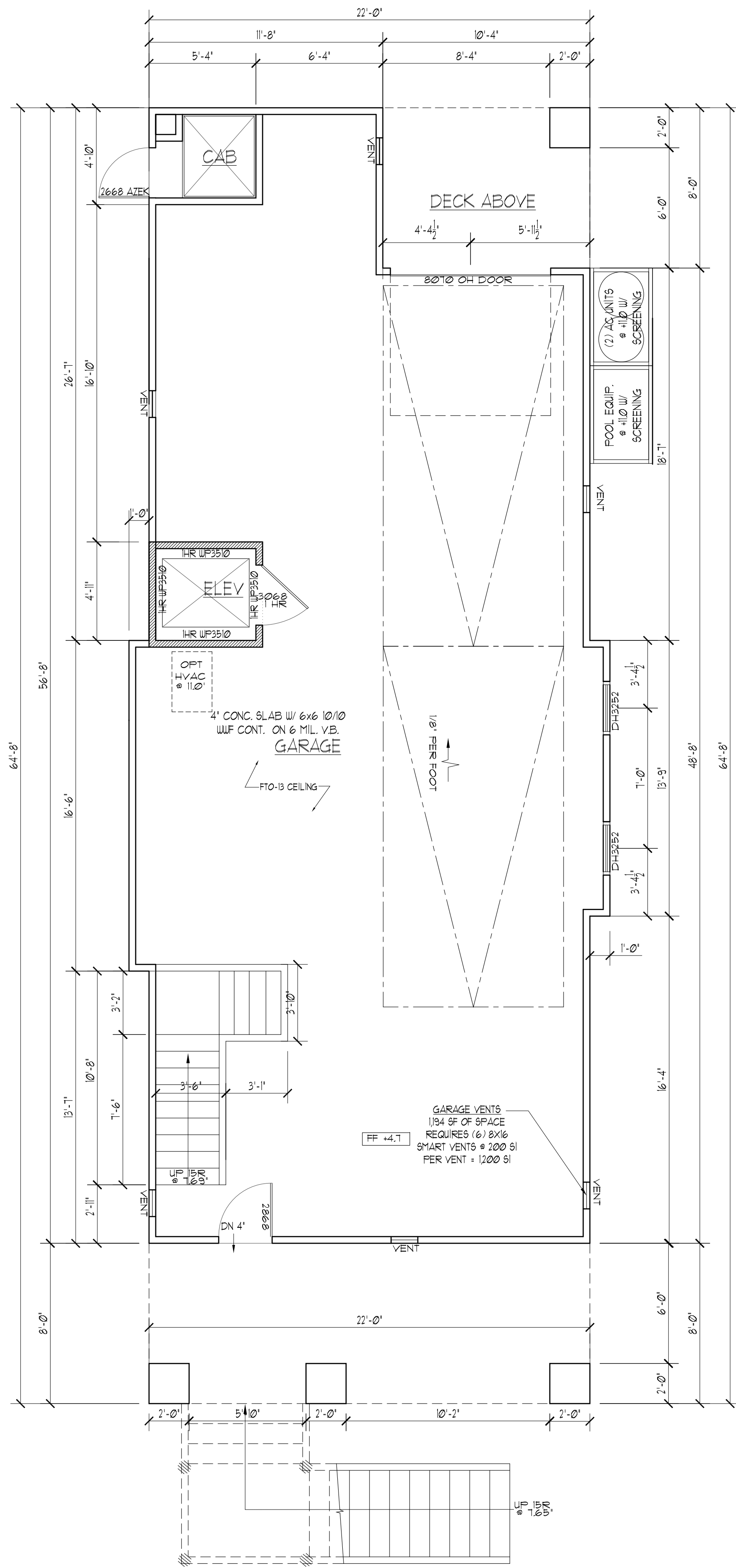
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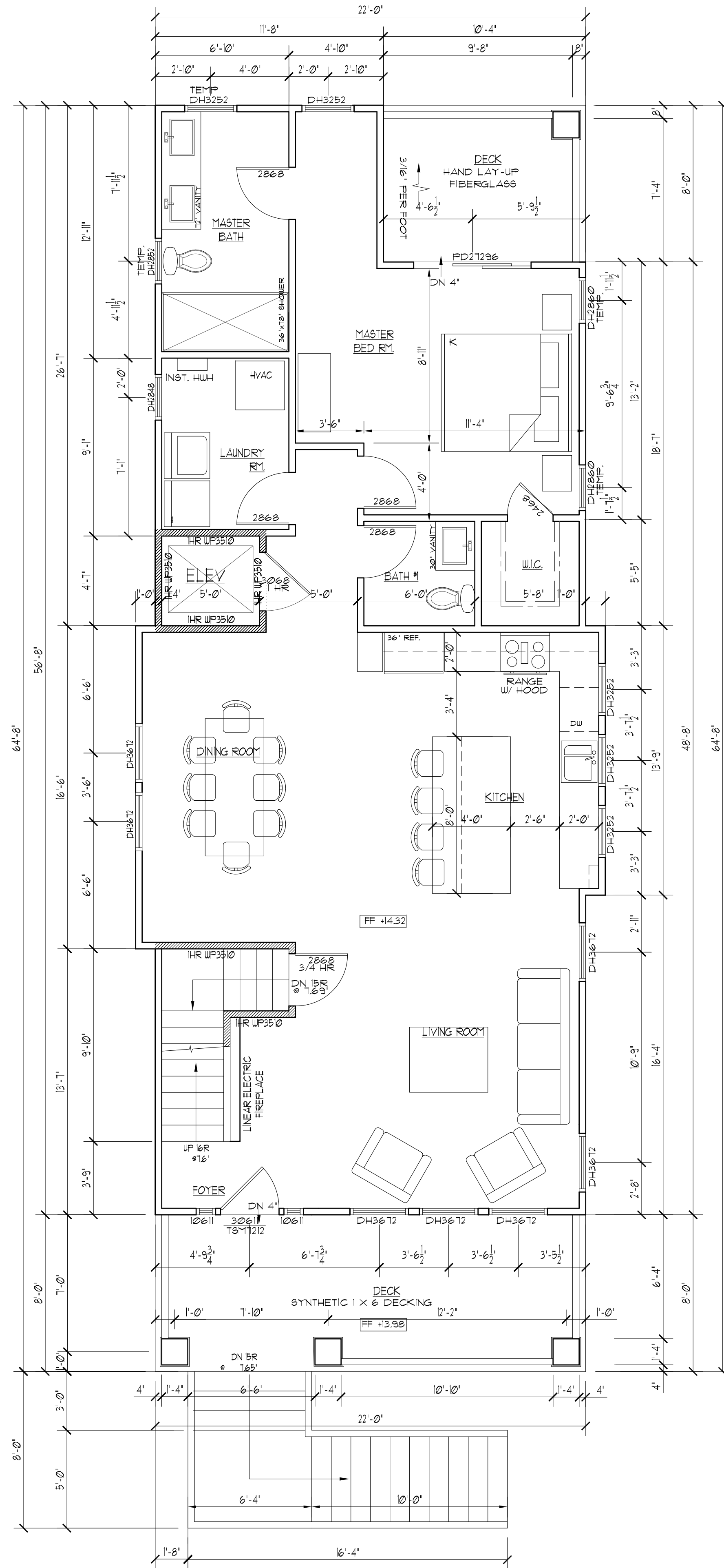
A-1

625 BAY AVE, LLC
621 BAY AVE
LOT: 2.03 BLOCK: 608
OCEAN CITY, NJ

ELEVATIONS

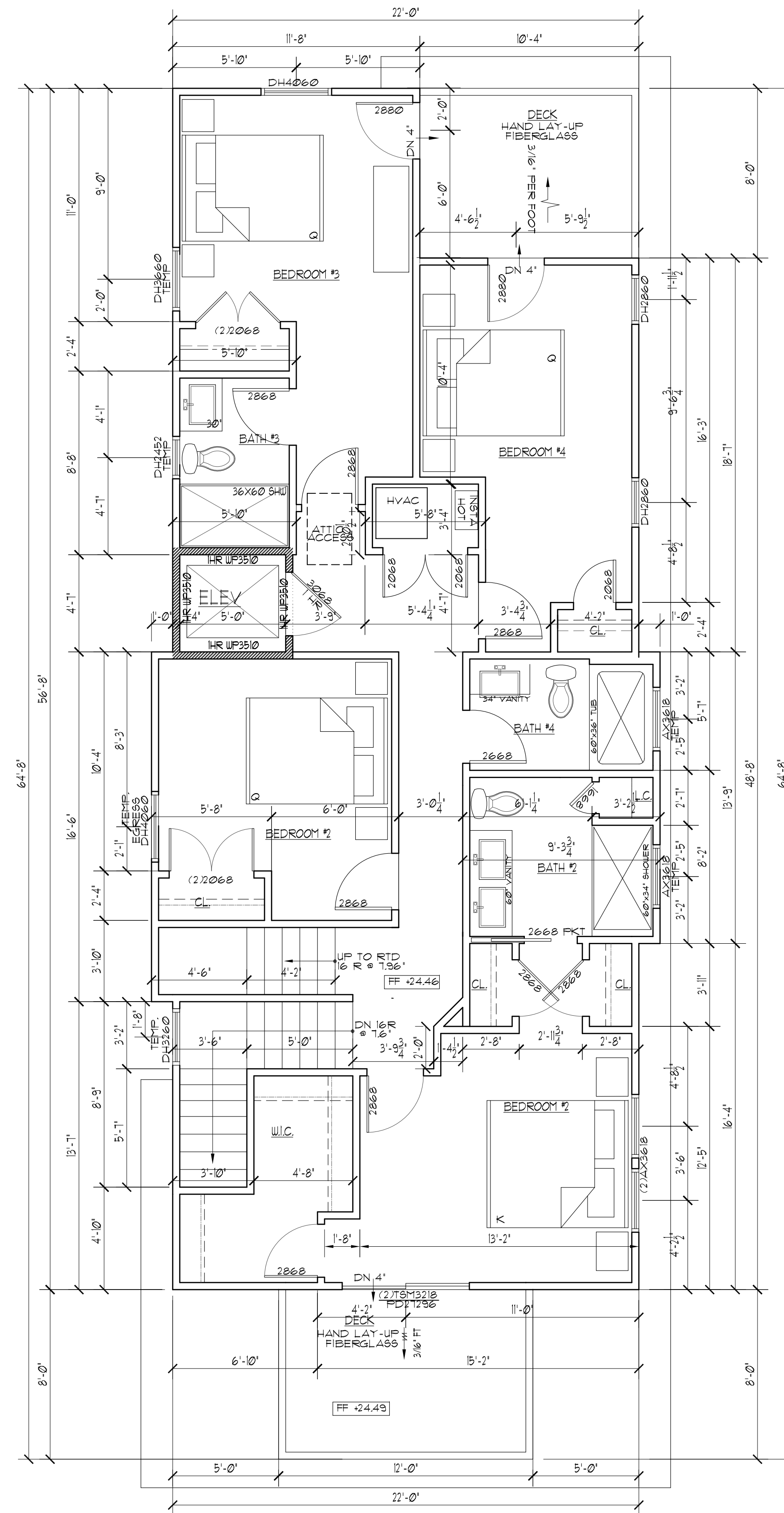


GROUND FLOOR PLAN



FIRST FLOOR PLAN

NOTE: ALL WINDOWS MORE THAN 6'-0" ABOVE GRADE, DECKS OR PORCHES MUST HAVE SILLS 24 IN. AFF



SECOND FLOOR PLAN

GEORGE WRAY THOMAS PE, PP, RA

Registered Architect
Professional Engineer

P: (609) 927-5050 F: (609) 927-3330
WWW.GWTHOMAS.NET

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A-2

GROUND, FIRST, & SECOND
FLOOR PLANS

625 BAY AVE, LLC
621 BAY AVE
LOT: 203 BLOCK: 608
OCEAN CITY, NJ

GROUND FLOOR PLAN

NOTE: ELEVATION OF GRADE IN CRAWL SPACE MUST BE EQUAL TO OR GREATER THAN ADJ. GRADE @ EXTERIOR WALLS

FIRST FLOOR PLAN

NOTE: ALL WINDOWS MORE THAN 6'-0" ABOVE GRADE,
DECKS OR PORCHES MUST HAVE SILLS 24 IN. AFF

SECOND FLOOR PLAN

200 SF (13.6%) OF ROOF AREA LESS THAN 4:12
0% OF ATTIC AREA W/ 5' HEAD ROOM
1554 SF/300=5.18 SF X 144 = 745.92/65 = 11.47 = (12) GAF EACH 8'X16' SOFFIT VENTS
TOTAL = 12 VENTS X 12 = 1536 SF/144 = 10.67 SF/660 = 16% OF SOFFITS TO BE VENTED

GEORGE WRAY THOMAS PE, PP, RA

WRAY THOM

Registered Architect
Professional Engineer

P. (609) 927-5050 F. (609) 927-3330

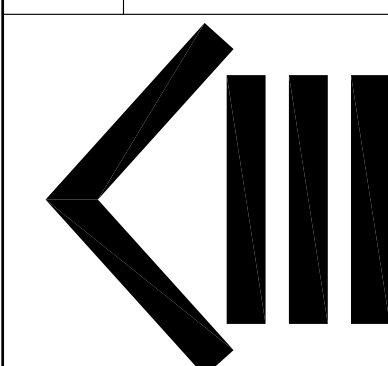
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GEORGE

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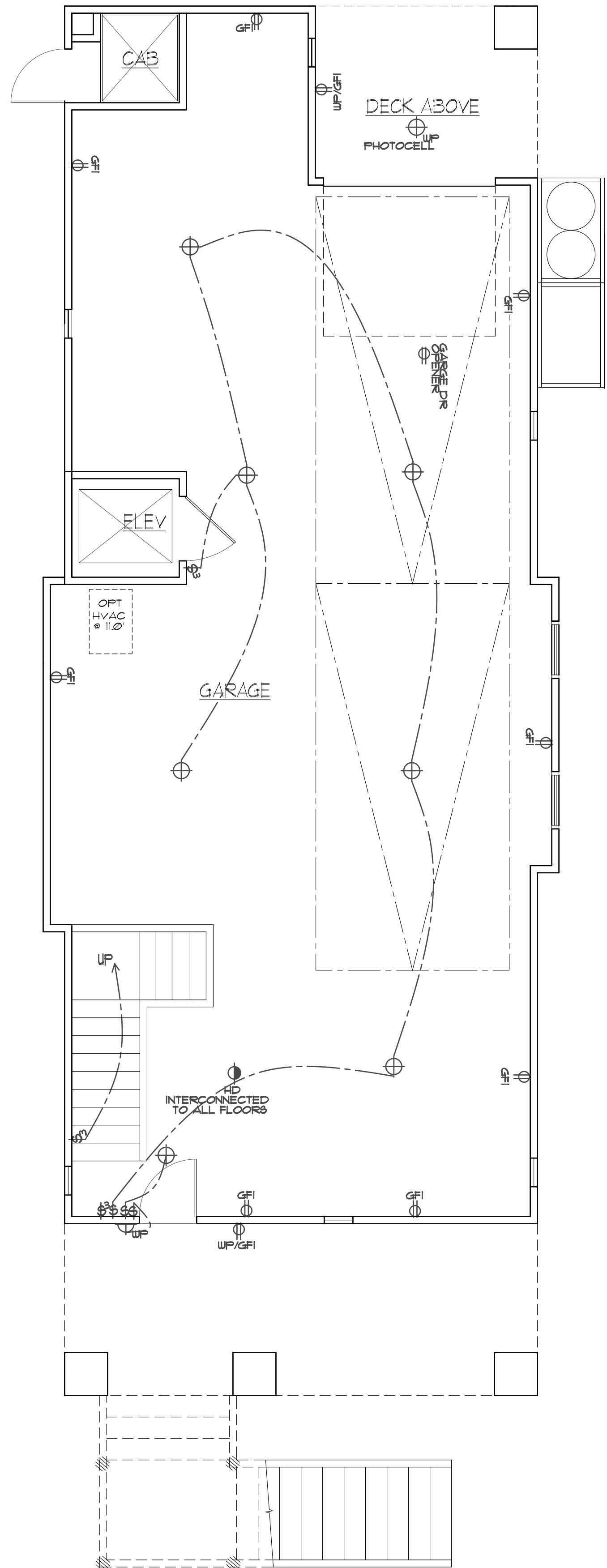
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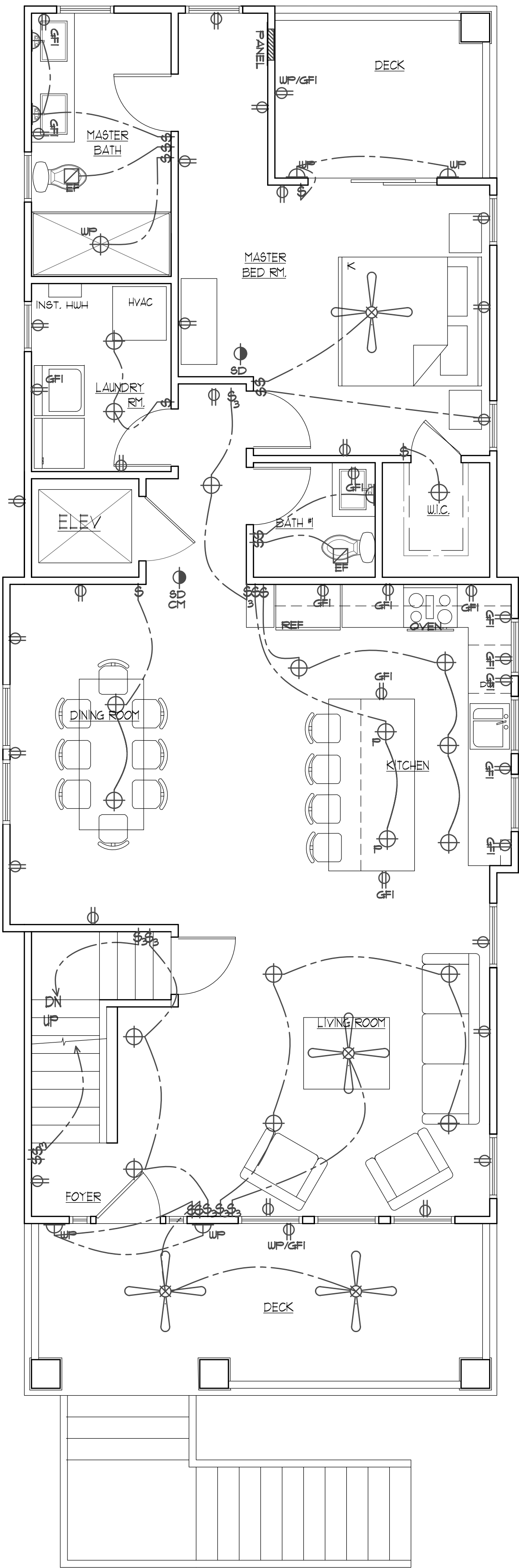
LOT: 2.03

PILE PLAN

625 BAY AVE, LLC
621 BAY AVE
LOT: 203 BLOCK: 608
OCEAN CITY, NJ

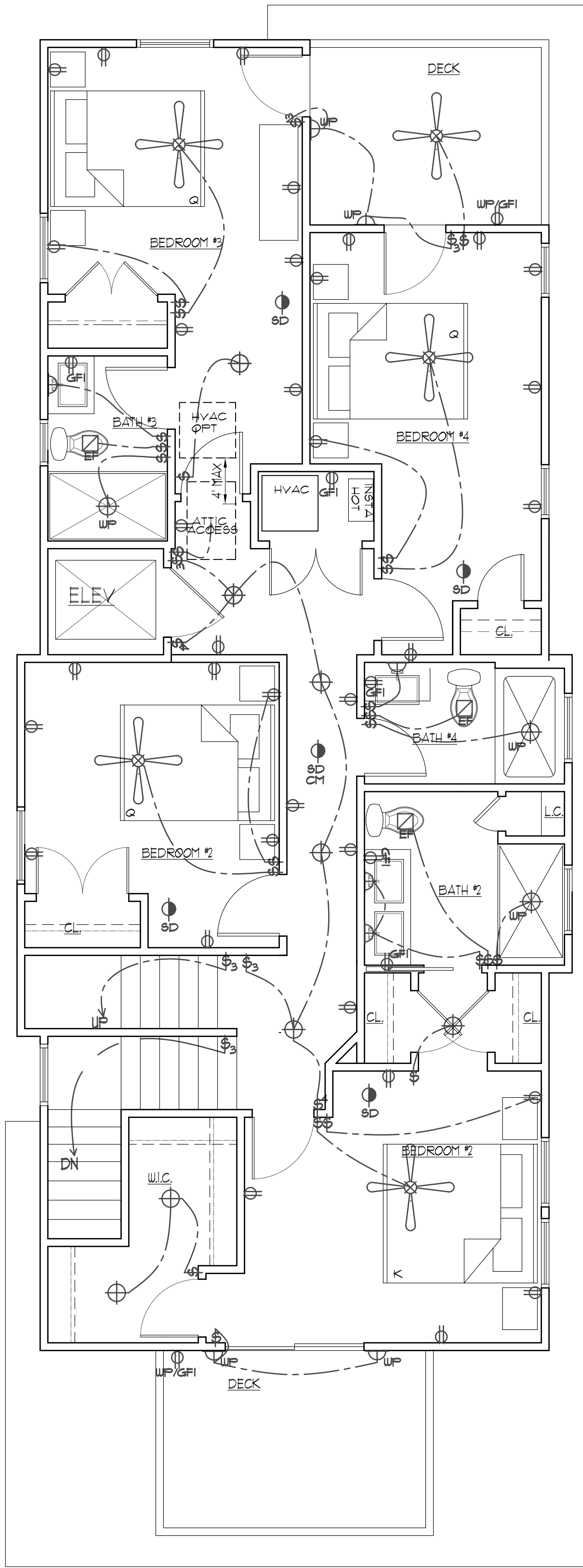


GROUND FLOOR PLAN



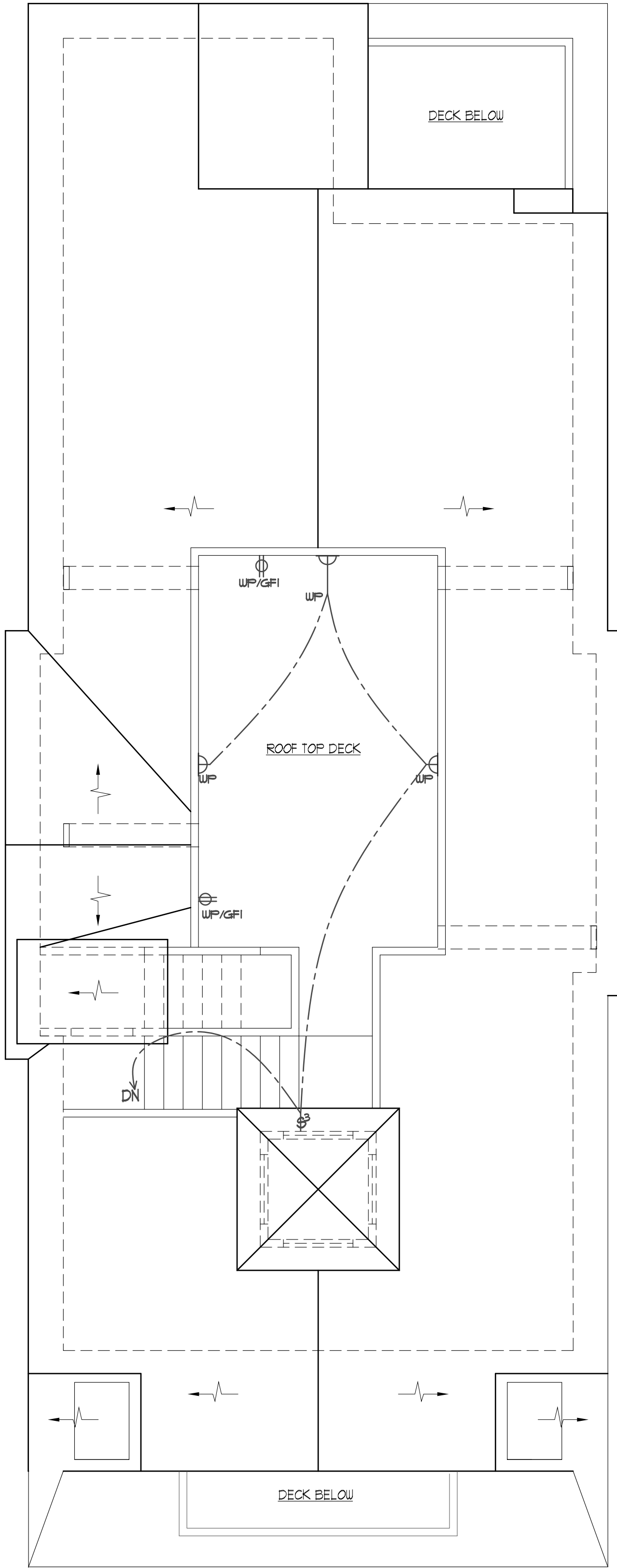
NOTE:
- SD's MUST BE LOCATED MIN OF 36" AWAY FROM TIPS OF FAN BLADES,
BATHROOM DOORS W/ TUB / SHOWER, & HVAC SUPPLY OUTLETS, TYP.
- CARBON MONOXIDE ALARMS / DETECTORS, WHERE REQUIRED, SHALL BE
INSTALLED NO MORE THAN 10'-0" FROM ALL SLEEPING ROOMS

FIRST FLOOR PLAN



SECOND FLOOR PLAN

ELECTRICAL LEGEND			
	ELECTRIC FAN		OUTLET
	CABLE		GFI OUTLET
	SMOKE DETECTOR		WATERPROOF GFI OUTLET
	SMOKE DETECTOR / CARBON MONOXIDE		LIGHT
	ELECTRIC SWITCH		PENDANT LIGHT
	ELECTRICAL PANEL		WATERPROOF LIGHT
			FAN WITH LIGHT



ROOF PLAN

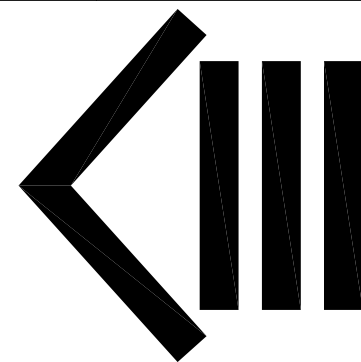
GEORGE WRAY THOMAS PE, PP, RA

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P. (609) 927-5050 F. (609) 927-3330
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A-4

625 BAY AVE, LLC
621 BAY AVE
LOT: 2.03 BLOCK: 608
OCEAN CITY, NJ

GROUND, FIRST, & SECOND
FLOOR PLANS

General Notes and Specifications

All Construction shall conform to the current: Uniform Construction Code 2018 International Residential Code New Jersey Edition, 2018 International Plumbing Code 2018 International Mechanical Code 2017 NEC, UCM for One and Two Family Dwellings, Local Ordinances and FEMA Flood Regulations.

Drawings and Design are the property of the architect and shall not be reproduced without expressed written consent of the architect.

Contractor shall check all dimensions and verify all existing conditions before proceeding with the work. The contractor is responsible to, immediately upon discovery, report to the Architect any omissions, inadvertent exclusions and inconsistencies within these documents. The Architect is not responsible for any changes to the plans as specified. Any deviations from these plans as specified is strictly prohibited and must be coordinated through the Architect. DO NOT SCALE DRAWINGS.

Shop Drawing Submittal
The contractor is required to submit to the Architect for approval all shop drawings related to the design. Fabrication and installation of any material and equipment prior to the approval of shop drawings not permitted.

Dimensions
All dimensions are to be confirmed by the builder prior to commencing work. Any deviations or discrepancies are to be reported to the architect before proceeding. The builder's attention is specifically addressed to the height limitation established by the drawing. The overall height is to be measured from the centerline of the street in front.

Windows and Door Glazing
(a) Type and Manufacture - Vitroco 9-Series or equal.
(b) All exterior windows shall be complete with insulating glass and insect screens.
(c) At least one bedroom window shall exceed 5.1 sf net at egress area per code with maximum height of 44" above finished floor, net clear height opening of 24" and net clear width opening of 20". All egress windows must maintain a minimum 24" height to the sill from the interior finish floor. For all windows that exceed a height of 84" from the window sill to the exterior grade or deck below.

Doors
(a) All exterior doors shall be finished top and bottom, caulked, and weather-stripped and emit thresholds provided.
(b) All interior doors to 1" undercut.
(c) Safety glass shall be used in all doors as required in the 2015 IRC section 308.4 and as noted on the drawings.
(d) All doors between garage and dwelling shall be 3/4 hour minimum.
(e) All doors shall have a max. 12" high threshold from finish floor.
(f) All garage doors must withstand 30 dp wind loads.

Flashing
Flashing provided 26 ga Economy stainless steel (ss) flashing over all windows and doors in exterior walls. Provide 26 ga ss per flashing at thresholds and sills of all exterior doors. Provide 26 ga ss flashing at ridges, valleys, and drip edges of roof. Provide terminal seal on top of all foundation walls. Provide wall flashing, base, cap, thru-sill and counter flashing, etc., as required to prevent entrance of moisture and water. Provide caulking at head, joint and sill. Caulk all vertical and horizontal joints at trim, openings and penetrations, joints, etc.

Stair Railings
Railings shall be constructed so that a 4" diameter ball cannot pass through.

Guard rails shall be capable of resisting a concentrated load of 200 lbs/lin along the top railing and a uniform load of 50 plf. Intermediate rails shall be capable of a horizontal concentrated load of 100 lbs.

Stairs
(a) All risers shall be 8 1/4" max.
(b) All treads shall be 9" min.
(c) Tread width of stairs shall be 36".
(d) Landing depth shall be min 36".
(e) Min head room clearance 6'-8".
(f) Guard rails shall be 36" high min.
(g) Handrails shall be min. 1 1/2" diameter to 2" diameter max. and shall be mounted at 34" to 38" above tread nosing.
(h) All exterior stair lumber shall be pressure treated.
(i) All risers shall be closed.

Closets
Clothes closets shall have one shelf and pole (closets over 4'0" shall have shelf support). All linen closets shall have a minimum of 5 shelves.

Fireplaces
Fireplace hearth shall be constructed of noncombustible material and shall extend 18" in front and 8" on sides of openings less than 6' and 20" in front and 12" on sides for openings 6' or larger.

Gypsum Wallboard
(a) Minimum 1/2" thickness.
(b) All gypsum wallboard in bedrooms and wet areas shall be water-resistant type.
(c) Wall finishes below BFE. Exterior wall finish shall be stucco. Interior fire rated walls shall be Dur-O-Rock. Interior non-fire rated walls may be plaster, under board, or dur-o-rock.

Materials Below Base Flood Elevation
Exterior wall finishes shall be stucco. Interior fire rated walls shall be Dur-O-Rock or Hardiplank. Interior non-rated fire walls shall be plaster, under board, Dur-O-Rock or Hardiplank up to 1" above BFE. Fining below BFE shall be PT. Insulation below BFE shall be rigid polystyrene type insulation.

Access
(a) Provide 22" x 30" minimum access to attic.
(b) Provide crawl space access 8" x 24".
(c) Provide access to plumbing fixture control valves.

Vents
(a) Attic and soffit vents shall be screened.
(b) Flood vents shall be 8" x 16" Sawn Vents as per NAC103-15(n).
(c) All sills to Crawl Space vents must be mounted maximum 6" above adjacent grade.
(d) All ridges shall be supplied with continuous ridge vents.

Air Leakage
(a) Building must meet air leakage requirements of 2015 IECC.

Anchors
(a) All sill plates are not allowed in flood zone.
(b) Anchor bolts galv. shall be 5/8" diameter, 8" long, 12" from all corners and end cuts of sill plates, then at 2'-8" on center. Each sill plate shall have a minimum 2 anchors per board. All Anchor Bolts must have 3" galvanized washers.
(c) Breathing to lap floor bolt horizontally and shall extend perpendicular on wall above as to wall below.
(d) On barrier islands, use specified hurricane clips and anchors to hold down joists and roof rafters at all levels. Simpson GB5 (2"x6") or equal for interior areas and stainless steel for ALL exterior applications. NO EXCEPTIONS.
(e) All anchors that are in contact with any pressure treated wood shall be stainless steel - NO EXCEPTIONS.
(f) All nails used in galvanized hardware must be galvanized and all all nails used in stainless steel hardware must be stainless steel - NO EXCEPTIONS.
(g) All specified hangers, clips, ties, hold downs, etc. are "Simpson Strong-Tie" brand. Before substituting another brand, confirm load capacities based on reliable published testing data or calculations. All substitutions from the specified hangers, clips, ties, hold downs, etc. must be submitted the Architect for evaluation and written approval prior to installation.

DESIGN LIVING LOADS
Living Areas 40psf
Sleeping Areas 30psf tread
Attic Storage 20psf
Deck Areas Same as floor served
Balcony Area Same as floor served
Wind Load 15 MPH Ultimate Load / 91 MPH Design Load
The contractor shall perform work in a safe and non-hazardous manner. Shoring and structural supports shall be securely in place prior to any demolition of walls.

Contractor is responsible to keep site and structure free from miscellaneous debris and equipment and shall maintain the same to a clean, non hazardous, workable environment.

DWELLING UNIT RATED PENETRATIONS THROUGH A FIRE RATED WALL OR FLOOR ASSEMBLY SHALL BE PROTECTED. PROTECTIONS SHALL BE WITH A DEVICE OR FIRE STOPPING WHICH HAS A MINIMUM FIRE RESISTANCE RATING WHICH IS EQUAL TO THE FIRE RATED WALL OR FLOOR ASSEMBLY BEING PENETRATED.

Trimer Piling Foundation
(a) Trimer piles shall be of Southern Yellow Pine and shall comply with the requirements of the standard specifications for round under piles, AIA P 11. Minimum allowable bending strength Fo = 2400 psi.
(b) Two test piles shall be driven at opposite ends of the structure to determine final length of piles. All piles shall be natural taper shall be full length and unspliced and shall have a minimum butt diameter of 10" (315") measured 36" from the end of the butt.
(c) Piles shall be CCA 0.8 PCF pressure treated as per ASTM use Category UC4C. The tops of all cut-off piles shall be field treated with a PF preservative in accordance with AIA P 14.
(d) Piles shall be driven through all fill and organic layers until the design bearing capacity is reached as determined by the Davidson 1' Turned Formula, Min depth 10' Below MSL.
(e) All piles shall be installed plumb and in their design location.
(f) If any pile is installed out of plumb more than 2 percent of the pile length the pile length shall be rejected unless the design of the foundation can be modified to adequately resist the resulting lateral forces as determined by the Engineer.
(g) A tolerance of 3 inches from the designated location will be permitted in the installation of individual piles.
(h) Should any piles be damaged during driving or be driven outside its specified tolerance for position or tilted, then, otherwise not conform with requirements, it shall be abandoned and additional piles or piles shall be furnished and installed at locations designated by the Architect at no additional cost to the Owner.
(i) All unacceptable piles shall be cut off below grade as shown on the Drawing at the location.
(j) The Contractor shall establish and locate all lines and levels and shall be responsible for the correct location and cutoffs of all piles.
(k) All hardware to be not dipped galvanized.
(l) All bolts in piling stringer connections after tightening bolts over washers, to be secured with a chisel in a manner not to allow removal or loosening of nuts.
(m) All piles should be driven to 12 ton capacity unless otherwise noted.
(n) Architect/Engineer of record's office or representative is required to inspect the installation of all piles and shall be present during the installation of all piles. All pile logs shall be provided to the Architect/Engineer of record's office within 5 days of completion of driving piles.
(o) The pile contractor is responsible for protecting structures in the area from vibrations caused by the driving of all piles.

Electrical
(a) All electrical work to conform with the 2017 National Electrical Code, latest revisions.
(b) Electrical contractor shall verify and check all conditions and equipment prior to proceeding with work. Any discrepancies shall be brought to the attention of the Architect. See other drawings for applicable information.
(c) Electrical contractor shall coordinate his work with the Atlantic Electric Co. and shall cooperate with them in determining loads, hookups, temporary service, etc.
(d) Contractor shall provide smoke detector of approved design in each level in locations as recommended by manufacturer and/or as shown on plans. Wire smoke detectors so that alarm signal can be relayed to all locations.
(e) All wire shall be a minimum No. 12 AWG Type THW Type THW copper rated at 75 degrees C and 60 degrees F to all kitchens, baths, appliances and equipment. Provide conduit where required by NEC (min. 1/2" conduit) home run circuits more than 75' from panel board shall be No. 10 AWG or larger as required. Remaining wiring shall be 14 AWG Type THW copper, increased to 3" AWG or more, greater than 75'.
(f) All bath and powder room convenience outlets shall be ground fault circuit interrupt type. Exterior outlets shall be wired to a ground fault circuit breaker and weatherproof. No more than 2 GFI outlets per 20 amp circuit.
(g) Where switches, receptacles and other outlets are shown back-to-back in interior partitions, they shall be staggered to prevent the transmission of sound through partition when in the rated wall assembly. Locate each outlet in a separate and adjacent stud space to avoid openings in both faces of fire rated wall in a single stud space.
(h) Do not scale drawings. Verify location of equipment and fixtures with other trades and at the job site.
(i) Circuit the lighting and receptacles on different circuits so that each space contains parts of at least two circuits.
(j) Provide a maximum of 8 convenience outlets on any one 20 amp circuit, maximum 6 on any one 15 amp circuit, and maximum 1 kitchen appliance receptacles on any one 20 amp circuit.
(k) See panel summary for individual outlet circuits.
(l) Telephone and computer outlets shall be provided during construction with all outlets.
(m) All lighting fixture selections and their locations to be by Owner.
(n) All recessed lights shall be rated for insulation contact.
(o) All recessed light fixture housings in fire rated floor framing shall be UL rated to match the required fire rating within said floor.

PANEL SUMMARY
208/240 volt, 200 amp, single phase, 3 wire

Description	Poles
Main Breaker	200/2
Range	60/2
A/C Condensing Unit	30/2
Dryer	30/2
Microwave	20/1
Washer	20/1
Dishwasher	20/1
Refrigerator	20/1
Freezer	20/1
Waterheater (Optional)	20/1
General Lighting outlets, etc.	20/1
Spikes (2)	20/1
Total	30

HVAC
(a) All mechanical work and systems shall conform to 2018 IMC Code and to all other applicable codes and standards, latest revisions.
(b) Mechanical contractor shall verify and check all conditions, dimensions, and equipment installation prior to proceeding with the work.
(c) Mechanical contractor shall coordinate his work with all other trades.
(d) See other drawings for applicable information.
(e) Mechanical contractor shall balance entire system for proper and adequate heating/cooling of each space and provide all testing and adjustments.
(f) All piping ducts, etc. shall be run between joists, and/or between floor structure and ceiling in furred out spaces.
(g) Provide minimum 1" thick insulation around all pipes and/or ducts in unheated spaces.
(h) Provide flexible connections between duct work and air handling unit.
(i) Provide turning vanes at all 90 degree bends in duct work.
(j) All joints in duct work shall be made air tight.
(k) All registers shall have dampers and be fully adjustable.
(l) All natural gas piping shall be in accordance with ASGA Standards and all applicable codes and standards.
(m) All breeching shall be of type and manufacture approved by heating unit manufacturer for specific unit provided.
(n) Fire damper approved by applicable codes shall be provided in all ducts penetrating fire-rated assemblies and/or required by codes.
(o) No duct shall be located below Base Flood Elevation.
(p) HVAC CONTRACTOR SHALL PROVIDE DUCT PLANS FOR PERMIT SUBMISSION. PLANS TO INCLUDE EQUIPMENT, DISTRIBUTION LOCATION, SIZE AND FLOW LOCATION OF DAMPERS AND ALL MATERIALS.
(q) HVAC Equipment condensate drains shall be min. 3/4" pvc and shall drain to exterior of building.

Plumbing
(a) All plumbing work shall conform with the 2018 National Standard Plumbing Code, latest revisions.
(b) Plumbing contractor shall verify all conditions, equipment and fixture installations prior to proceeding with work. No cutting or notching of wood joists, beams, or trusses shall be permitted. Any discrepancies report to architect prior to construction.
(c) Plumbing work shall be coordinated with all other trades.
(d) See also floor plans for applicable information.
(e) All water piping shall be copper or approved plastic.
(f) Provide shock absorbers at clothes washers and as required.
(g) Water piping shall be sloped to allow the entire system to be drained through drain valves.
(h) Soil lines, vents, branch lines and stacks shall be PVC or cast iron (No. 18).
(i) All penetrations through fire rated assemblies shall be tightly packed fire stopped in accordance with NFPA.
(j) All water piping in unheated areas shall be insulated.
(k) Each fixture shall be valved separately.
(l) All exterior hose bibbs shall be freezeproof type.
(m) All fixtures and colors shall be selected by Owner.
(n) Do not scale drawings. (drawings are schematic only)
(o) Minimum slope on soil/waste pipe 1/4" per foot.
(p) All water piping shall be sloped to allow the entire system to be drained thru drain valves which shall be placed at all low points in system. All utility lines into building and all soil/waste lines out of building shall be sleeved with proper caulking to prevent the seepage into the building of gas or other fumes.
(q) All piping in unheated areas shall be protected from freezing. The stud cavity shall be filled fully with foam (closed cell, 3lb/ft³, R factor is 1 per inch) where possible 2nd study shall be utilized to accommodate a minimum R-19. Incorporation of a heat source is preferred by placing adjacent ductwork or furnaces. Absent that, heat tracing tape should be applied to all water supply lines.
(r) All drain piping installed in exterior walls, attics, and other areas exposed to outdoor temperatures shall be protected from freezing with pipe wrap by Reflectix R3 or equal.
(s) All condensate piping shall drain to a sump pit or to the exterior of the building above DFE.

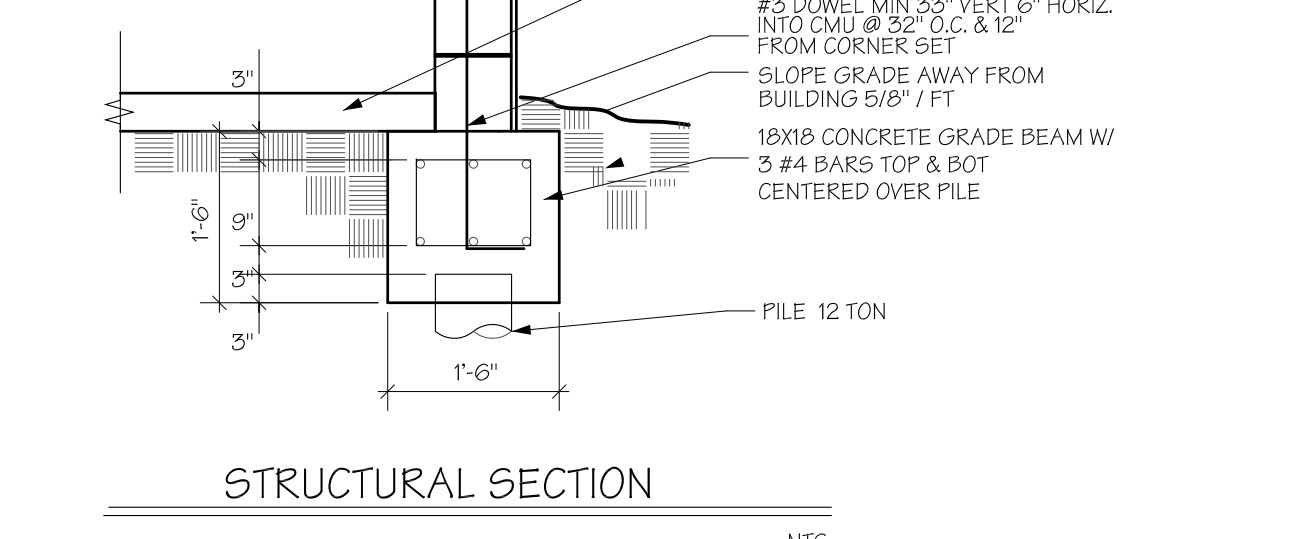
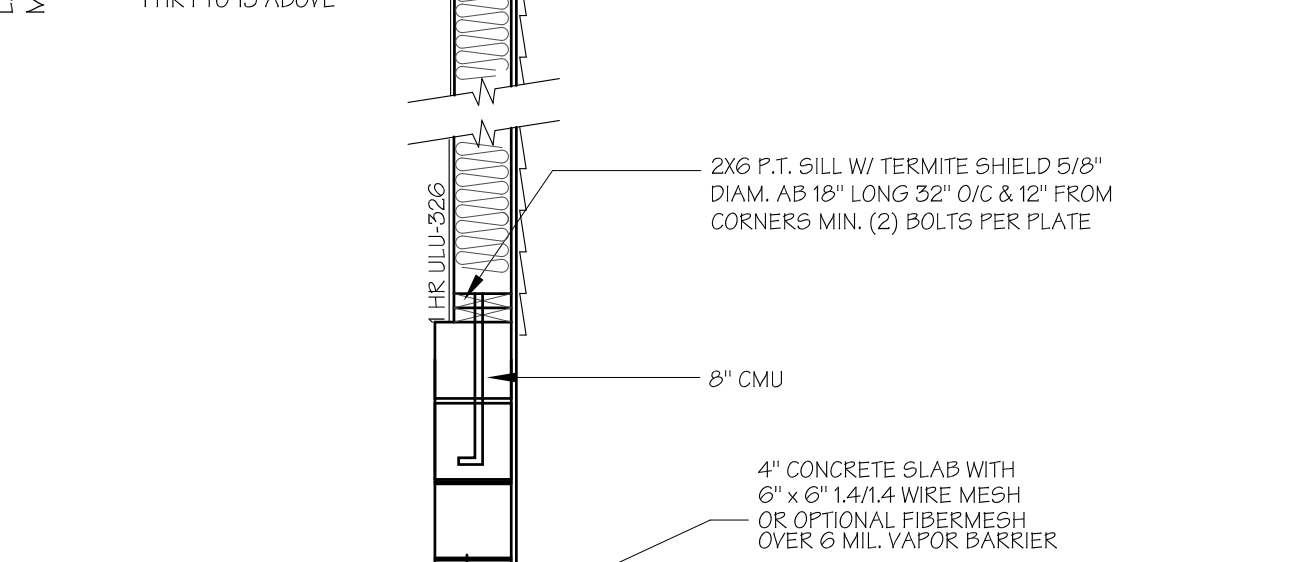
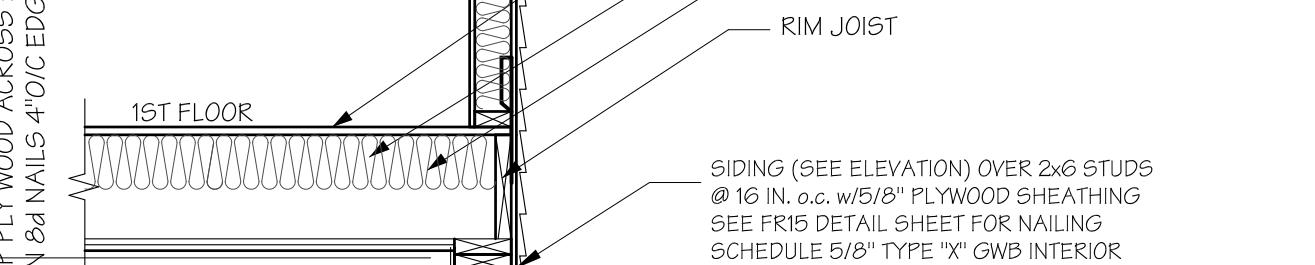
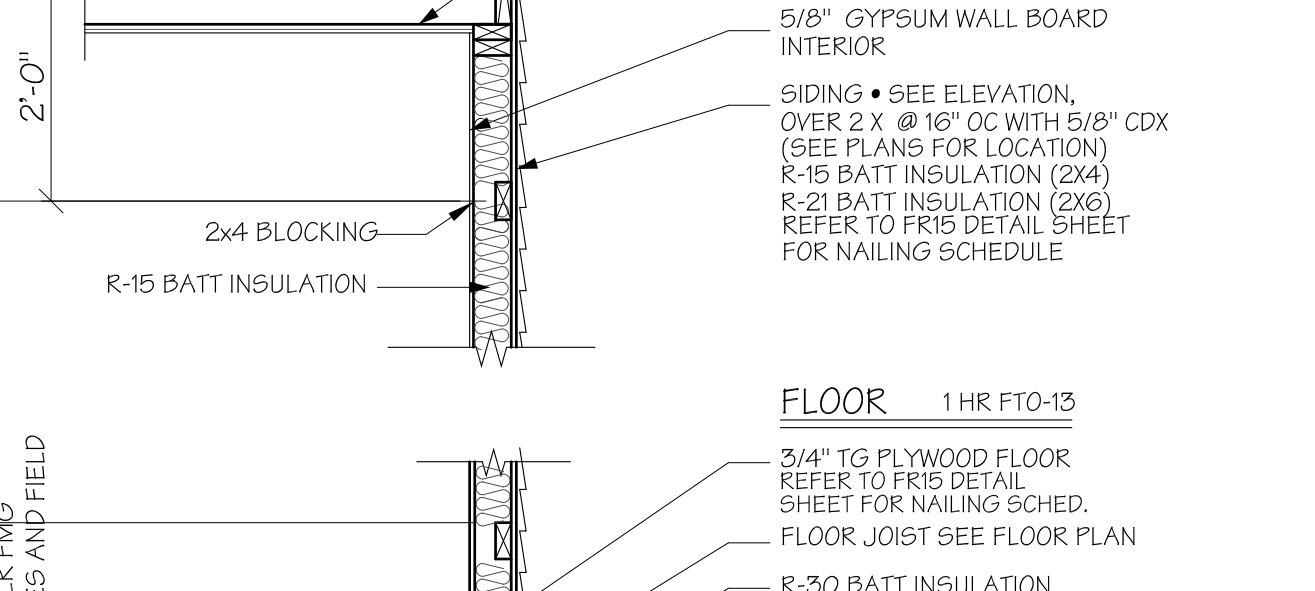
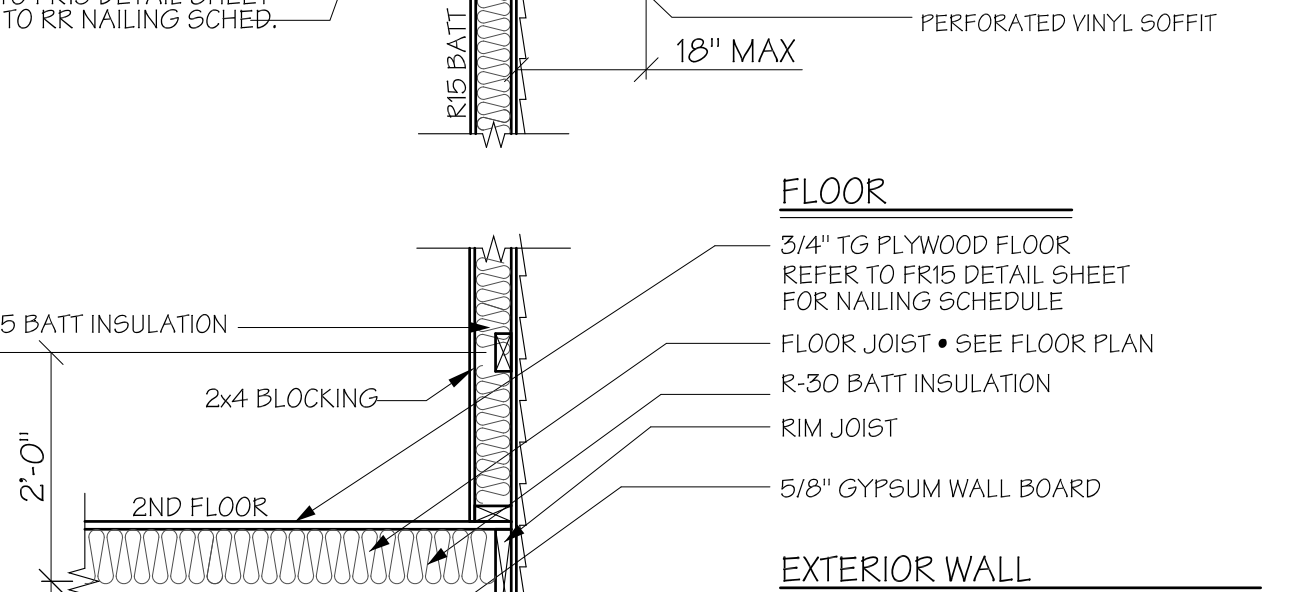
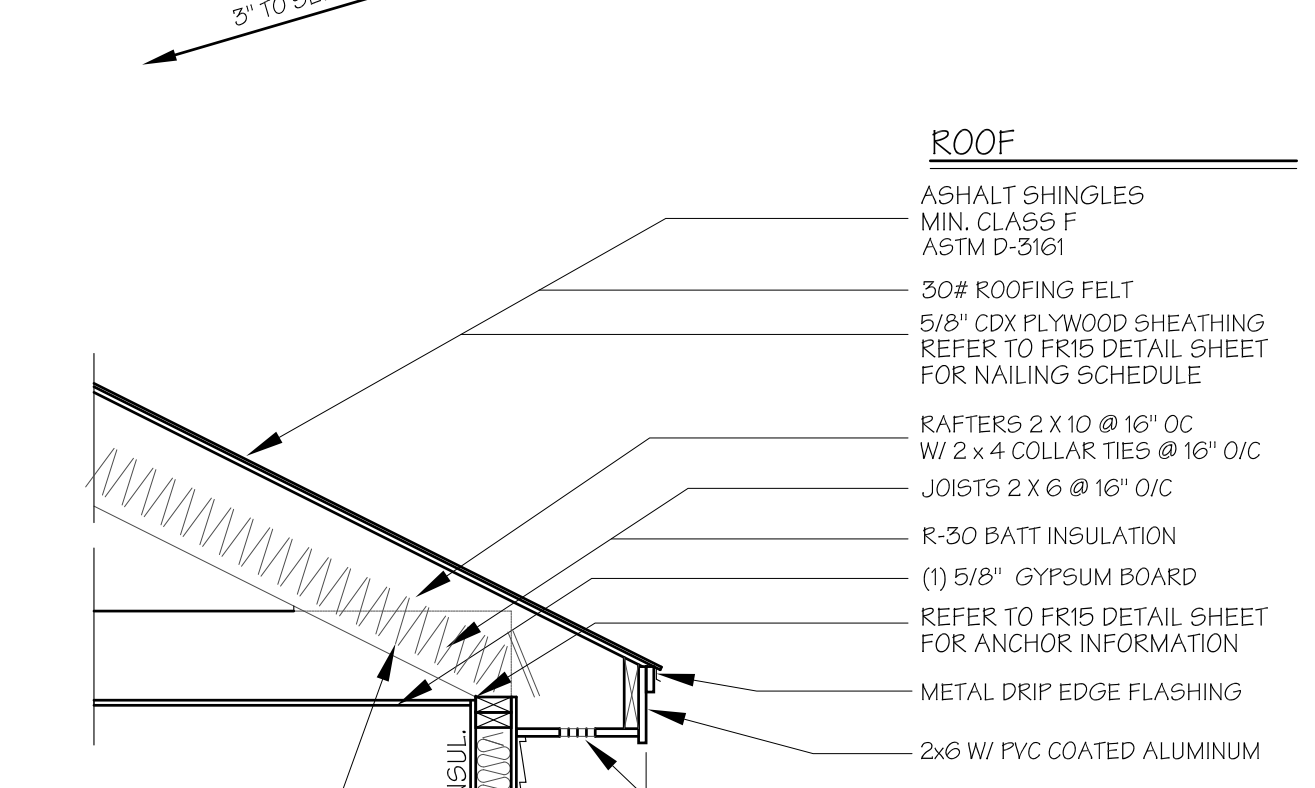
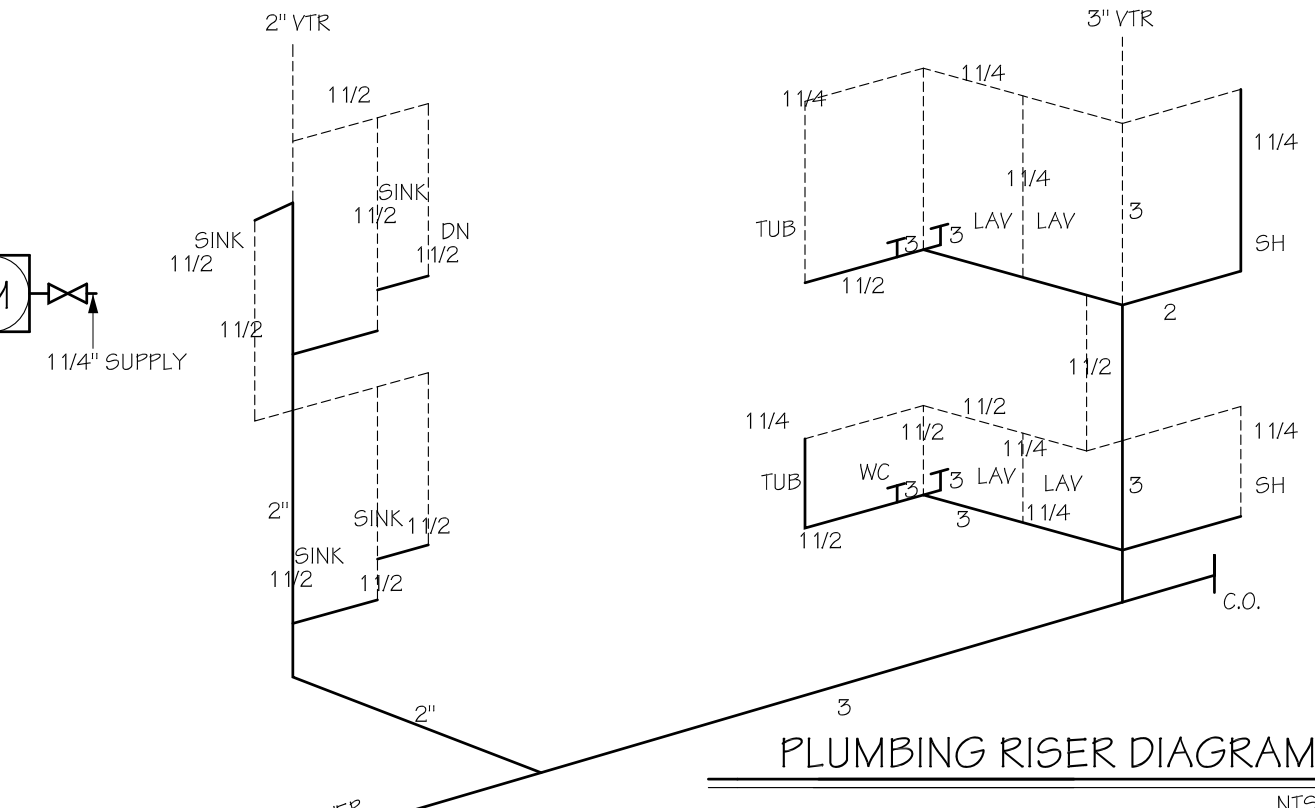
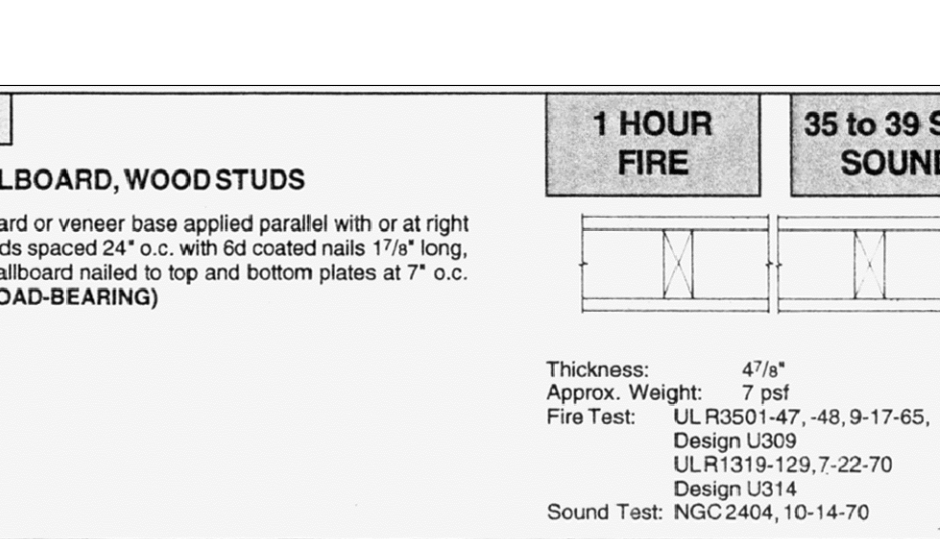
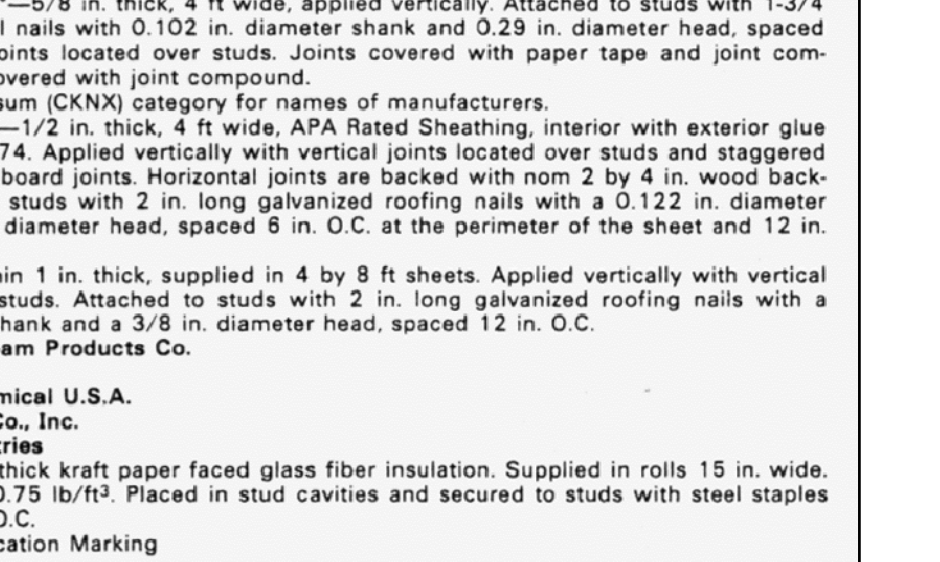
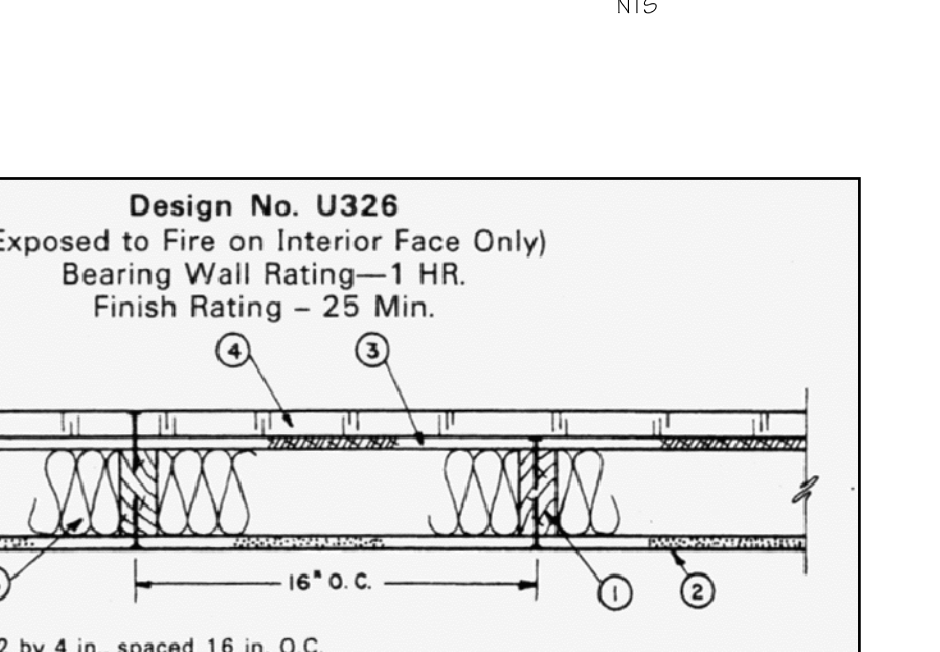
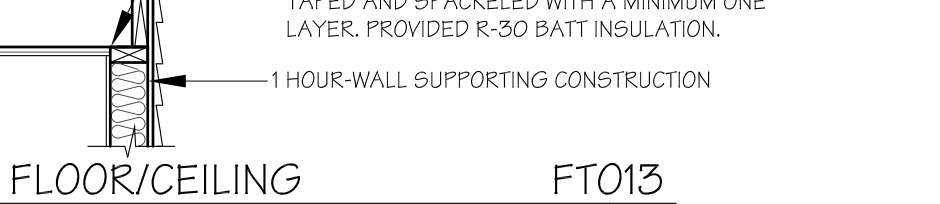
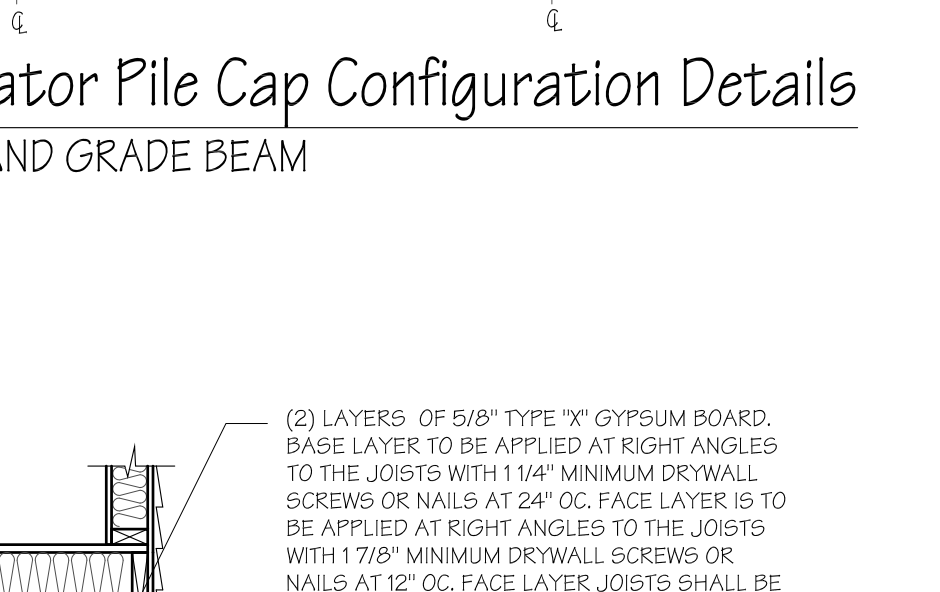
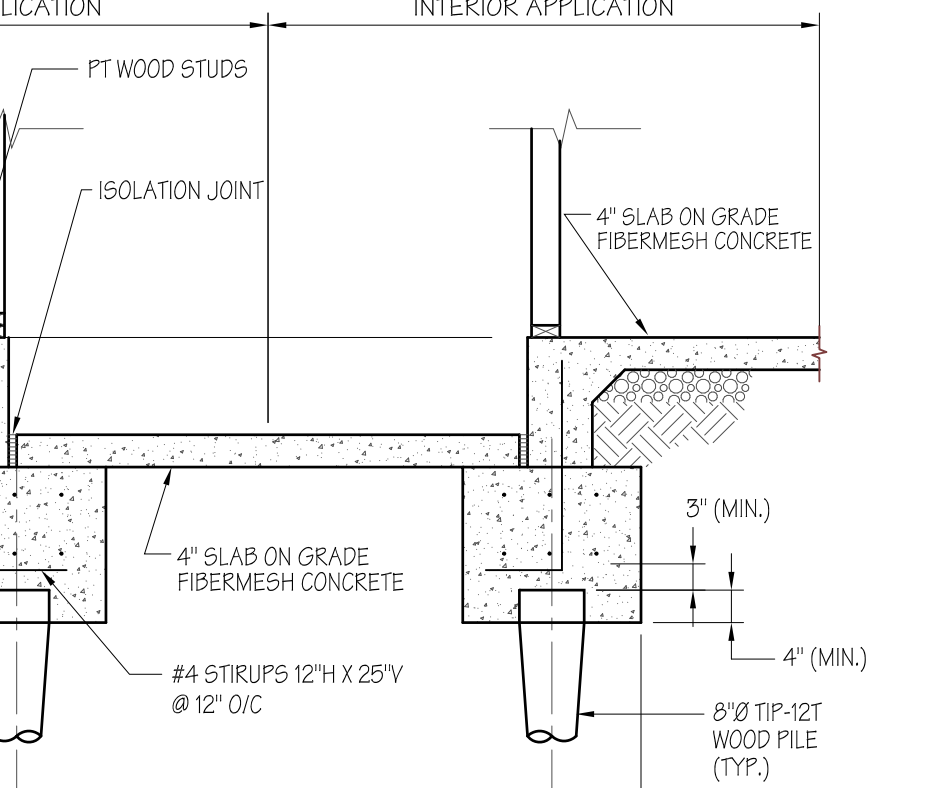
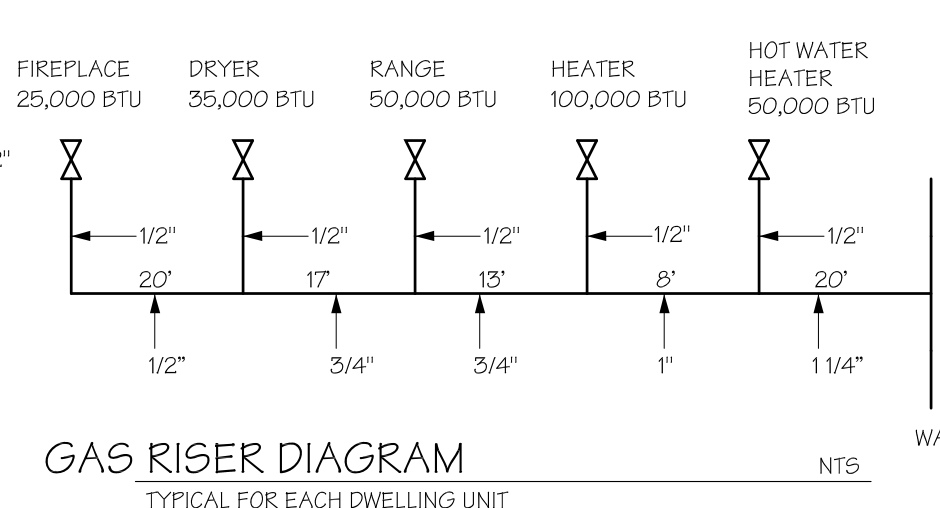
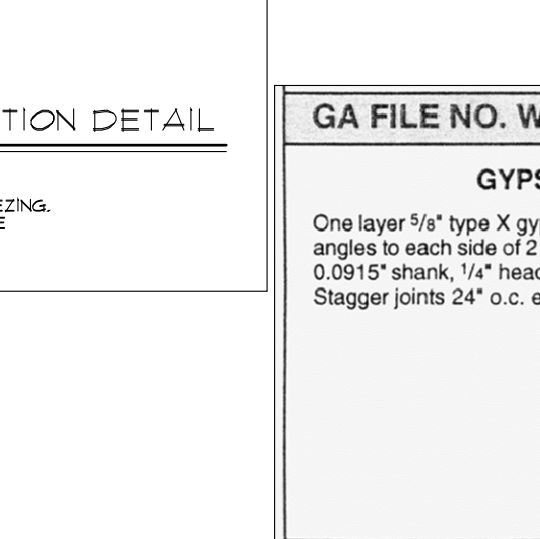
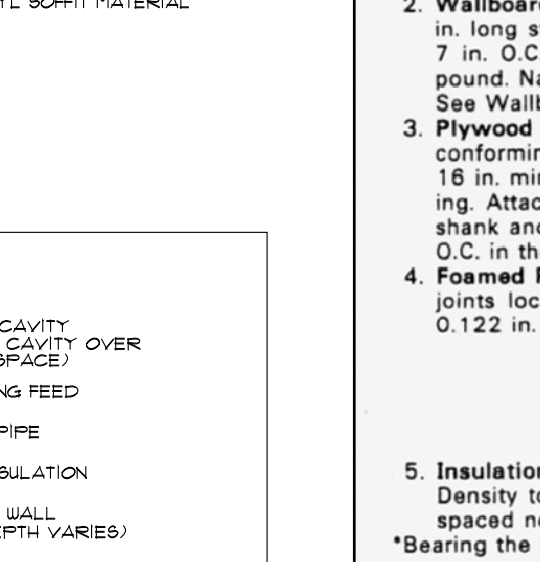
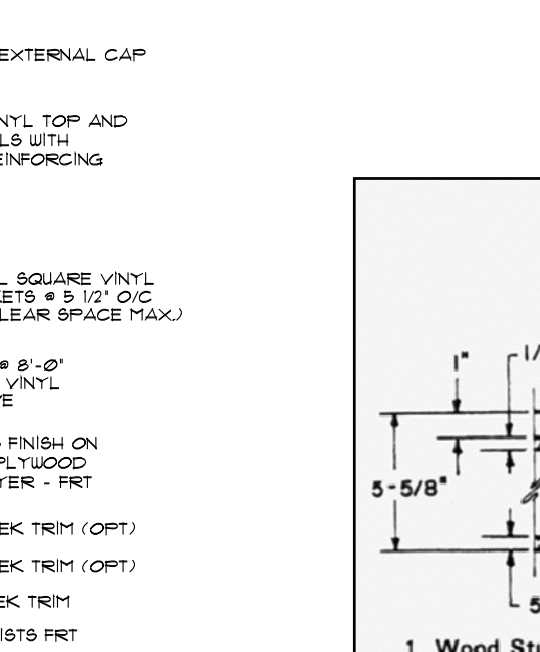
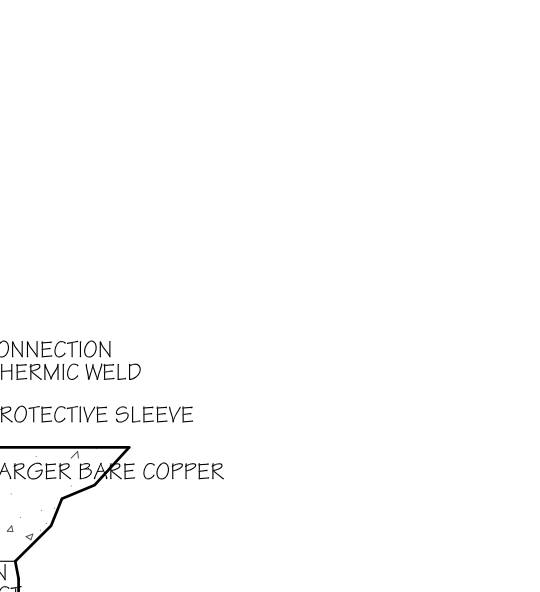
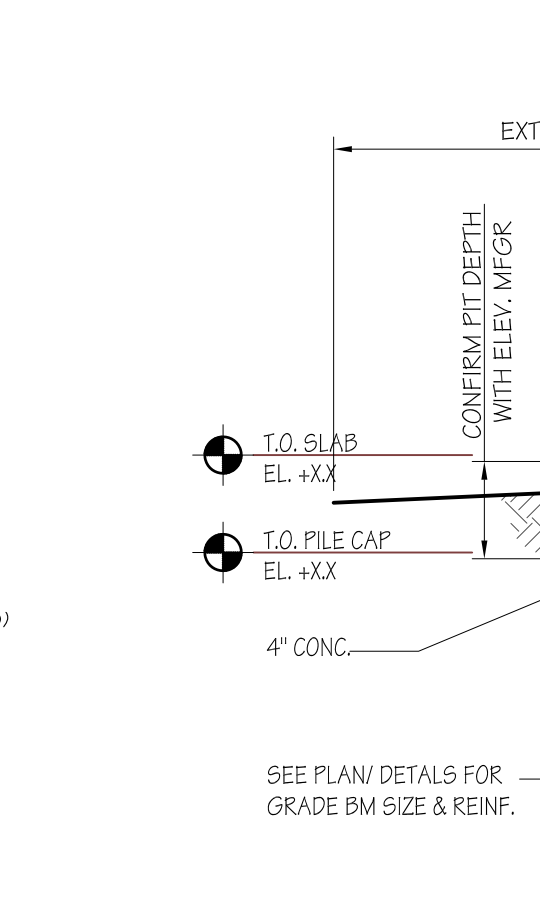
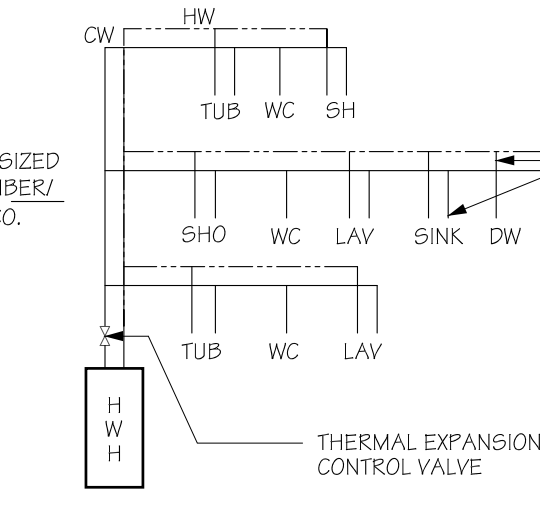
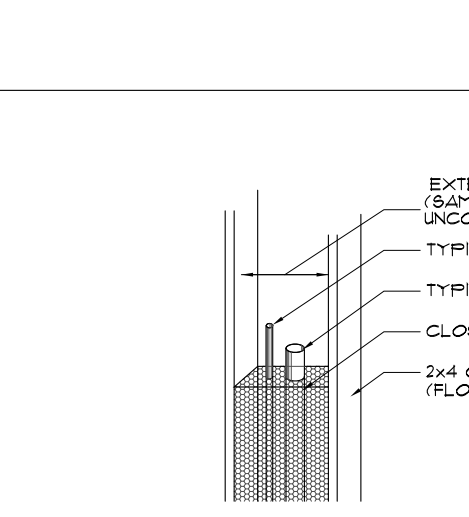
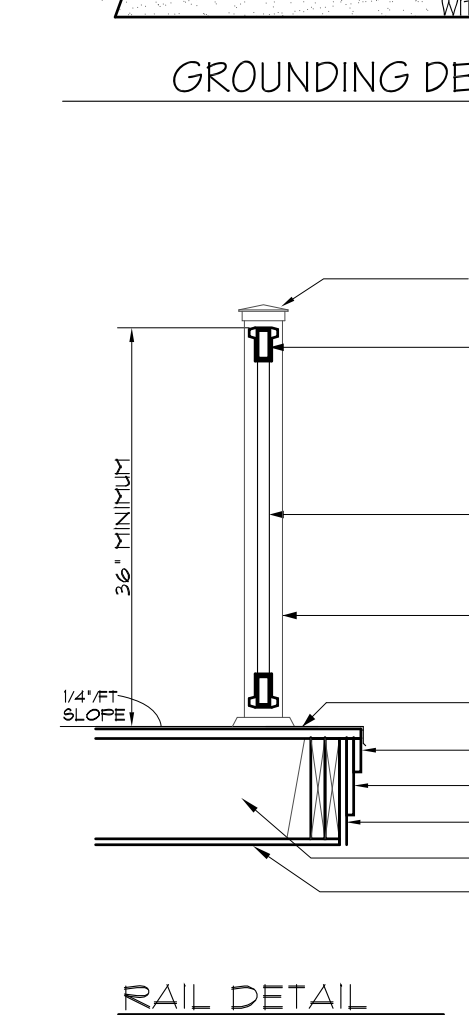
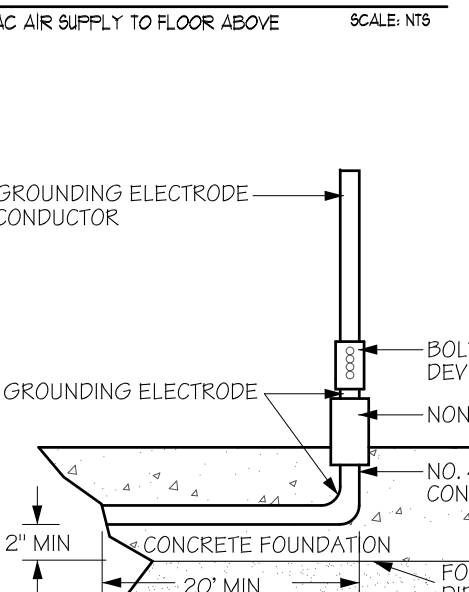
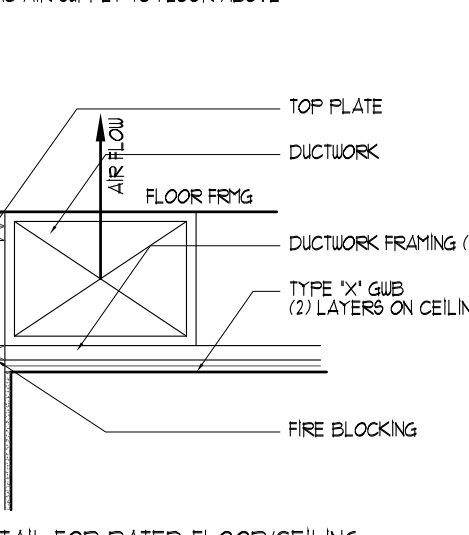
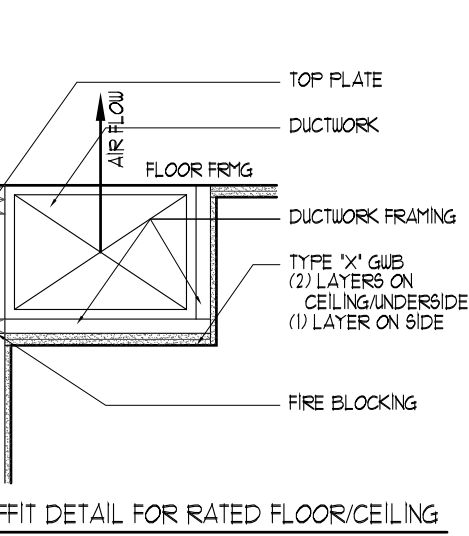
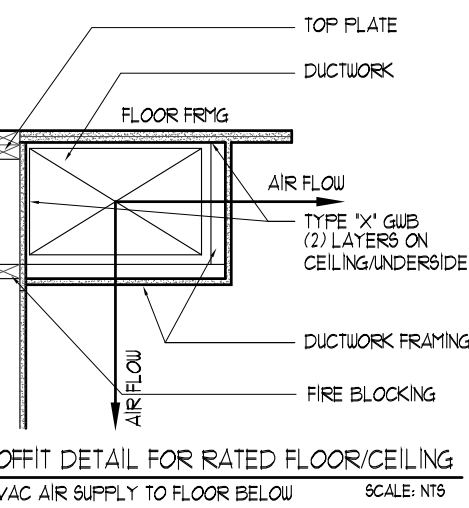
Plumbing Schedule

Fixture	HU	GW	Waste	Remarks
Water Closet.....	1/2"	1/2"	3"	
Lavatory.....	1/2"	1/2"	1 1/4"	
Tub.....	1/2"	1/2"	1 1/2"	
Shower.....	1/2"	1/2"	2"	
Sink.....	1/2"	1/2"	1 1/2"	
Dishwasher.....	1/2"	--	--	Connect drain to sink drain
Washer.....	1/2"	1/2"	--	
Hose Bibbs.....	--	1/2"	--	Vacuum break and frost-free

Concrete
(a) Concrete shall conform to ASTM 639469 with a minimum 28-day comprehensive strength of 3000 PSI.
(b) Reinforced Concrete shall be done in accordance with ACI Publication 318-11, all reinforcing steel shall conform to ASTM A-63 grade 60.
(c) Concrete slab on grade reinforcing can be eliminated in lieu of utilizing fiberglass reinforced concrete (fiberglass).
(d) All concrete masonry units shall conform to ASTM C90 (Hollow Load Bearing) / C129 (Hollow Non-Load Bearing) or C48 (Solid Load Bearing) / All mortar grade M.
(e) All concrete masonry units shall conform to ASTM C90 (Hollow Load Bearing) / C129 (Hollow Non-Load Bearing) or C48 (Solid Load Bearing) / All mortar grade M.

Wood Framing
Wood spans of structural wood members are based on a minimum fiber stress of 675 - lb and a minimum elastic modulus of 130000 (E) such as Hem-Fir No. 2 or better. No utility grade or non stress grade lumber may be used structurally. Kiln Dried framing to be used through out.
(a) Headers shall be 12"x12" unless otherwise noted.
(b) Bridging joists shall have one row of bridging (1"x3" metal or solid) for every 8'0" of span. Ceiling joists may have strong backs in lieu of bridging.
(c) All Lumber and sill plates along with stud studs and framing lumber in contact with CWU and/or concrete shall be pressure treated in accordance with AIA P 14.
(d) Collar ties shall be 3" on center.
(e) Framing shall be 4" but not limited to kitchen cabinets, walls, rafter roofs, soffits and any concealed space.
(f) All roof rafters shall be fastened with metal tie-downs by Simpson as specified.
(g) All full board, eaves, eaves and drill holes in all PT lumber shall be field treated with a wood preservative in accordance with AIA P 14.
(h) All posts upon support beams loads shall be continuous through all floor framing. Solid wood piling of equal or larger size and size of supported posts shall be installed within the floor framing cavity. All post locations, including windows and doors.
(i) All FRT lumber may have factory applied coating or may have field applied coating by No-Burn.

NOTE: ALL DRAIN PIPING AND WATER PIPING INSTALLED IN EXTERIOR WALLS, ATTICS, AND OTHER AREAS EXPOSED TO OUTDOOR TEMPERATURES SHALL BE PROTECTED FROM FREEZING. IN HEATED SPACES, THE PIPING SHALL BE INSTALLED ON THE HEATED SIDE OF THE BUILDING INSULATION.
NOTE: INSULATION IS TO PROTECT PIPES FROM FREEZING.



DETAILS & NOTES

ASPHALT SHINGLES
MIN. CLASS F
ASTM D-3161
30# ROOFING FELT
5/8" CDX PLYWOOD SHEATHING
REFER TO FR15 DETAIL SHEET FOR NAILING SCHEDULE
RAFTERS 2 X 10 @ 16" OC
W/ 2 X 4 COLLAR TIES @ 16" O/C
JOISTS 2 X 6 @ 16" O/C
R-30 BATT INSULATION
(1) 5/8" GYPSUM BOARD
REFER TO FR15 DETAIL SHEET FOR ANCHOR INFORMATION
METAL DRIP EDGE FLASHING
2x6 W/ PVC COATED ALUMINUM
PERFORATED VINYL SOFFIT

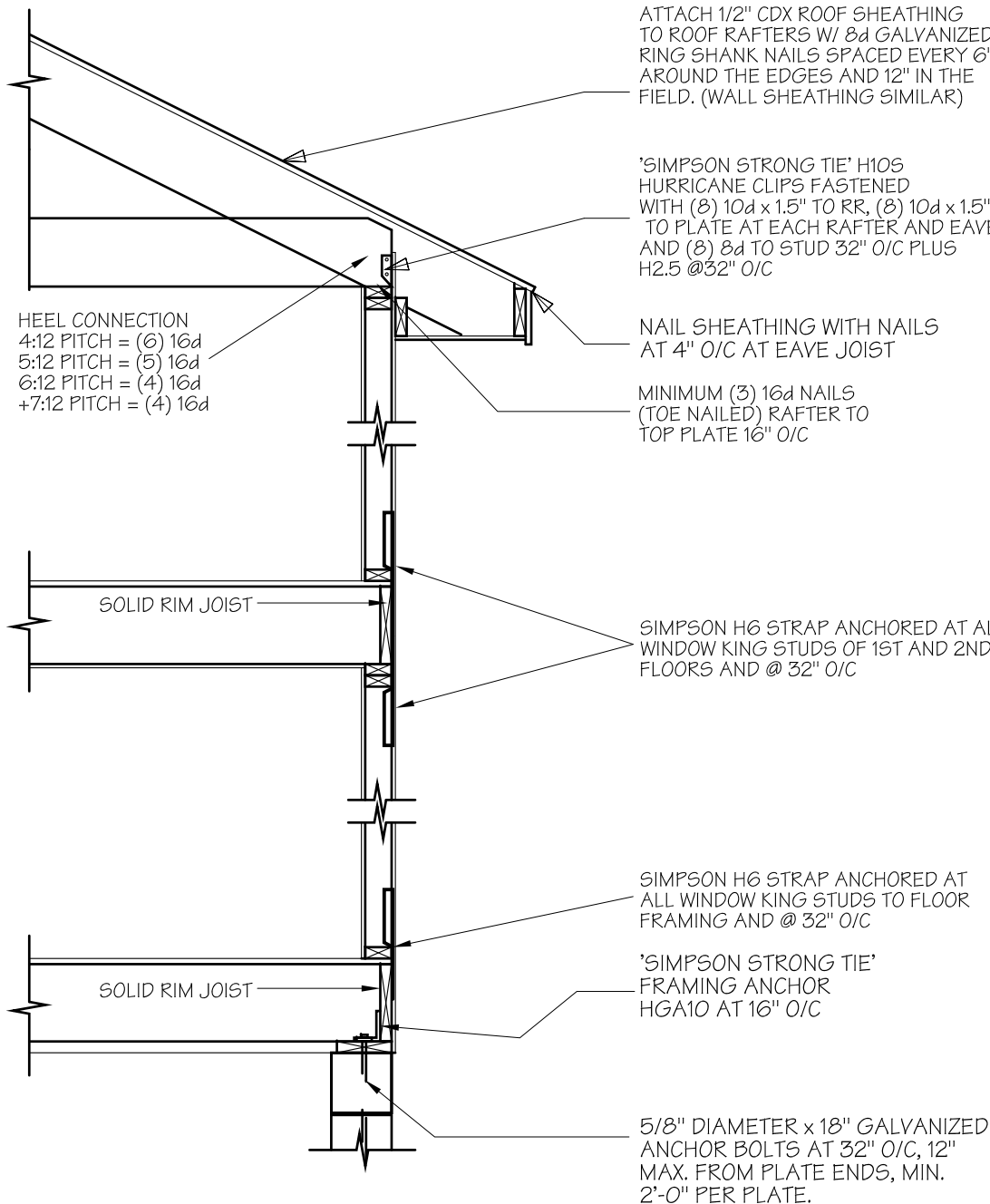
ROOF
FLOOR
EXTERIOR WALL
INTERIOR
SIDING (SEE ELEVATION)
OVER 2" X 4 @ 16" OC WITH 5/8" CDX
(SEE PLANS FOR LOCATION)
R-15 BATT INSULATION (2x4)
R-21 BATT INSULATION (2x6)
REFER TO FR15 DETAIL SHEET FOR NAILING SCHEDULE
FLOOR
1 HR FTO-13
3/4" TG PLYWOOD FLOOR
REFER TO FR15 DETAIL SHEET FOR NAILING SCHEDULE
FLOOR JOIST SEE FLOOR PLAN
R-30 BATT INSULATION
RIM JOIST
SIDING (SEE ELEVATION) OVER 2x6 STUDS
@ 16 IN. o.c. w/5/8" PLYWOOD SHEATHING
SEE FR15 DETAIL SHEET FOR NAILING
SCHEDULE 5/8" TYPE "X" GWB INTERIOR
2x6 P.T. SILL W/ TERMITE SHIELD 5/8"
DIAM. AB 18" LONG 32" O/C & 12" FROM
CORNERS MIN. (2) BOLTS PER PLATE
4" CONCRETE SLAB WITH
6" X 6" 147/4 WIRE MESH
OR OPTIONAL FIBERMESH
OVER 6 MIL. VAPOR BARRIER
#3 COWEL MIN 33" VERT 6" HORIZ.
W/ 10' MIN 32" VERT 6" HORIZ.
FROM CORNER SET
SLOPE GRADE AWAY FROM
BUILDING 8/8" FT
18X18 CONCRETE GRADE BEAM W/
3 #4 BARS TOP & BOT
CENTERED OVER PILE
PILE 12 TON

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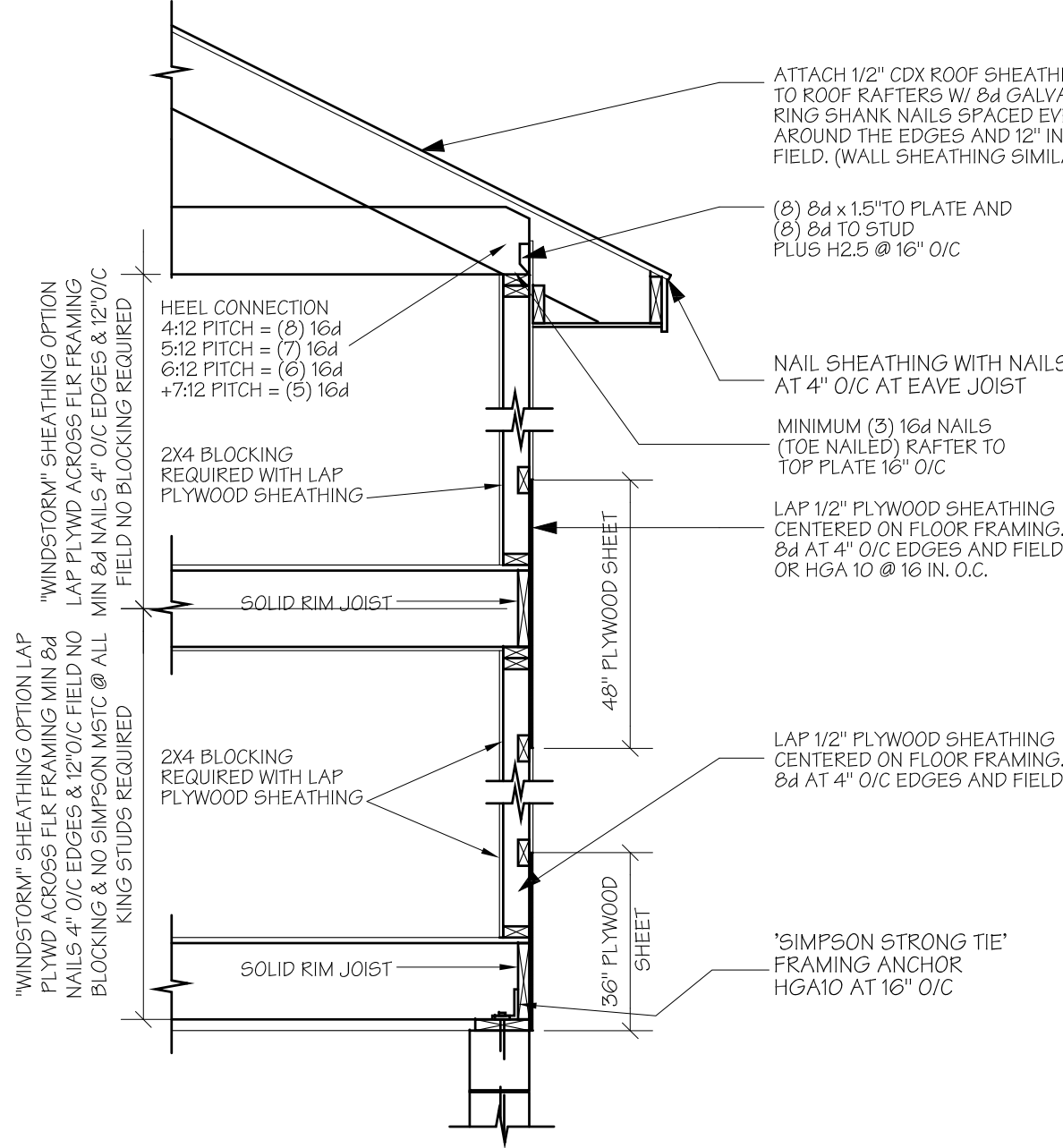
Revisions:
Date: 9-10-20
Scale: NOTED
Drawn: RMB
Checked: GWT

File No:
Dwg. No.
D-106

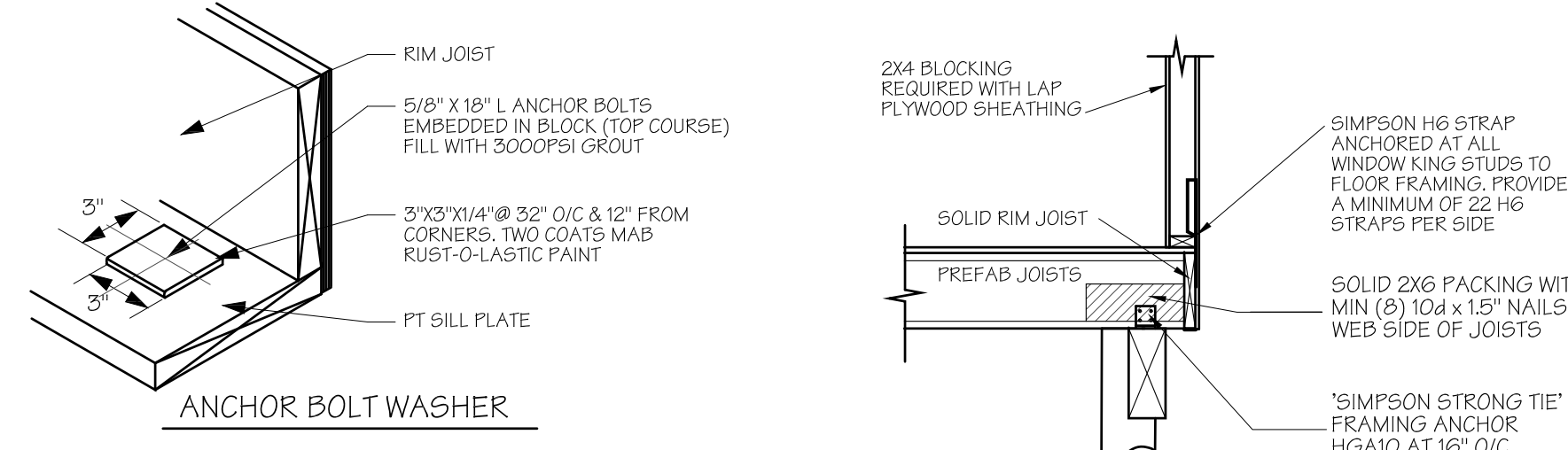
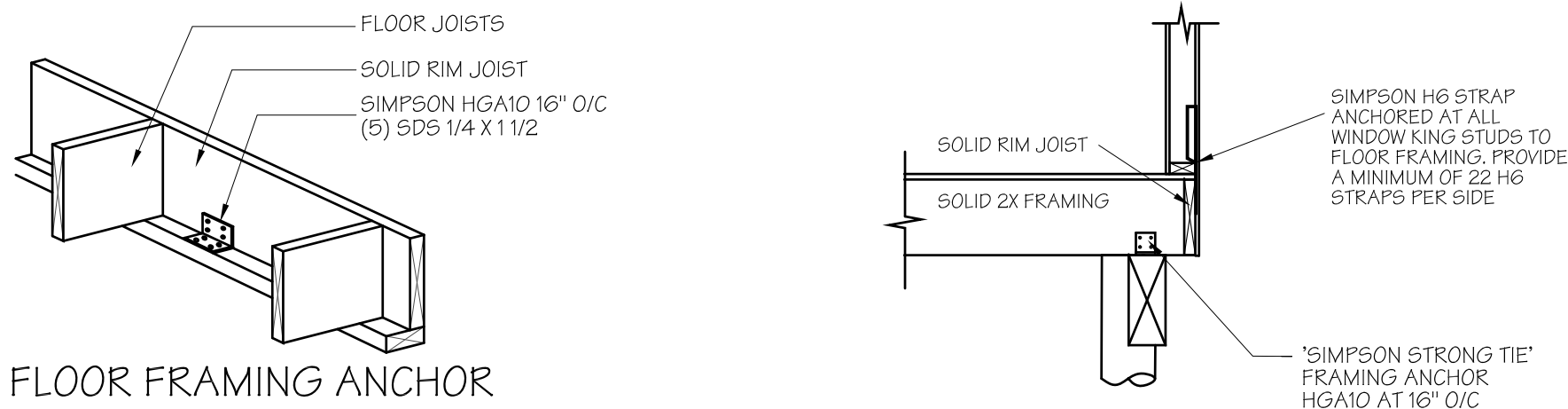
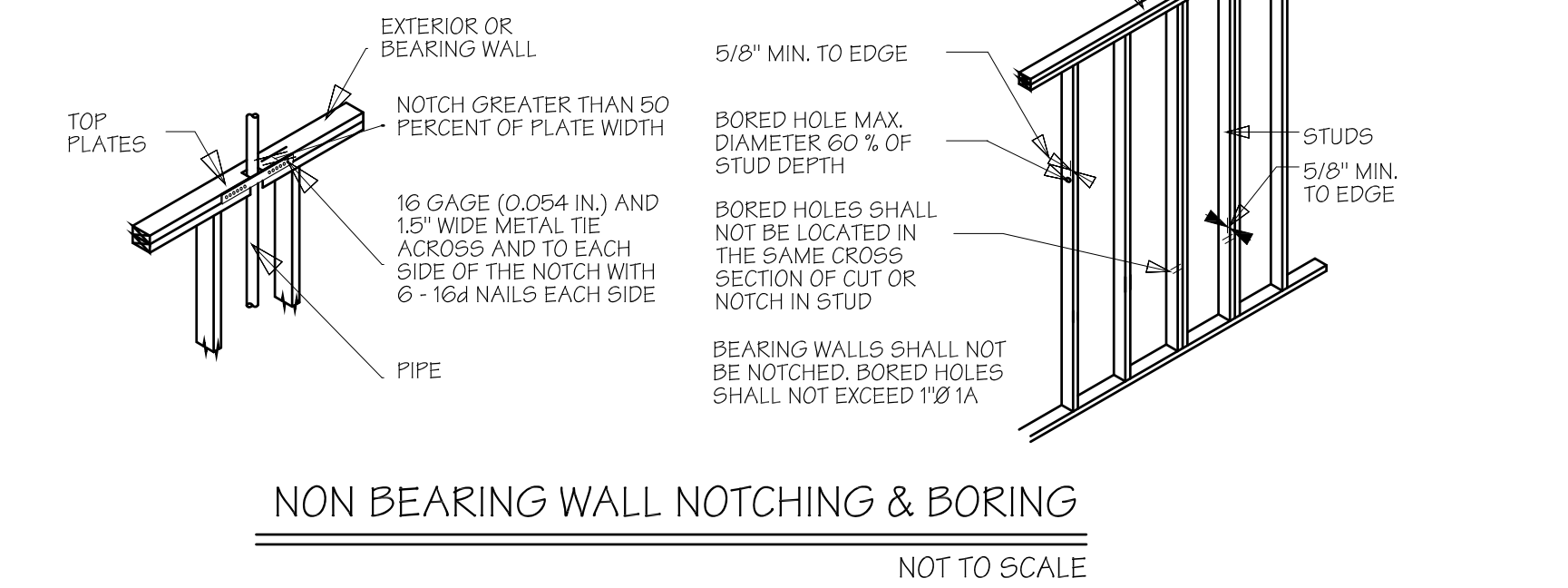
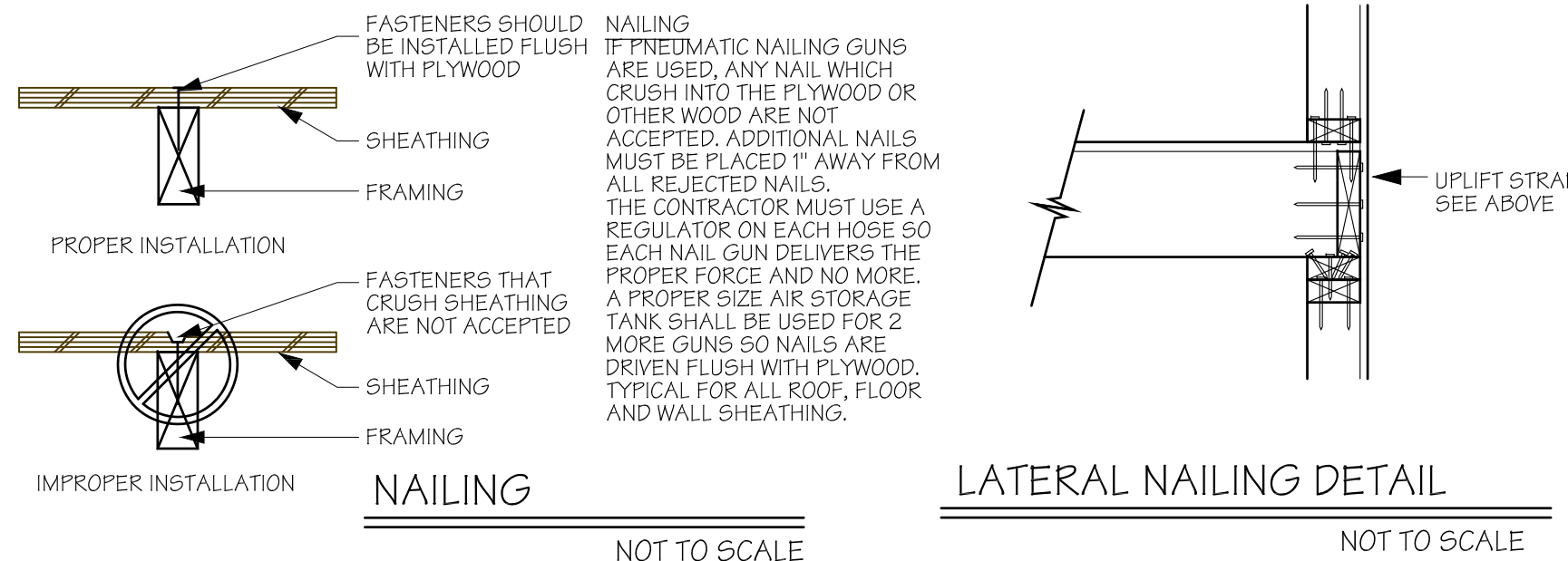
GA FILE NO. WP 3510
GYPSUM WALLBOARD, WOOD STUDS
One layer 5/8" type X gypsum wallboard or veneer base applied parallel with or at right angles to each side of 2 x 4 wood studs spaced 24" o.c. with 6d coated nails 1 1/4" long. Stagger joints 24" o.c. each side. Wallboard nailed to top and bottom plates at 7" o.c.
Thickness: 47/8"
Approx. Weight: 7 psf
Fire Test: UL R3501-47, -48, 9-17-65, Design U309
UL R319-129, 7-22-70
Design U314
Sound Test: NGC 2404, 10-14-70



TYP. DENSGLASS SHEATHED WALL SECTION
WALLS 5'-0" OR LESS FROM THE PROPERTY LINE NOT TO SCALE

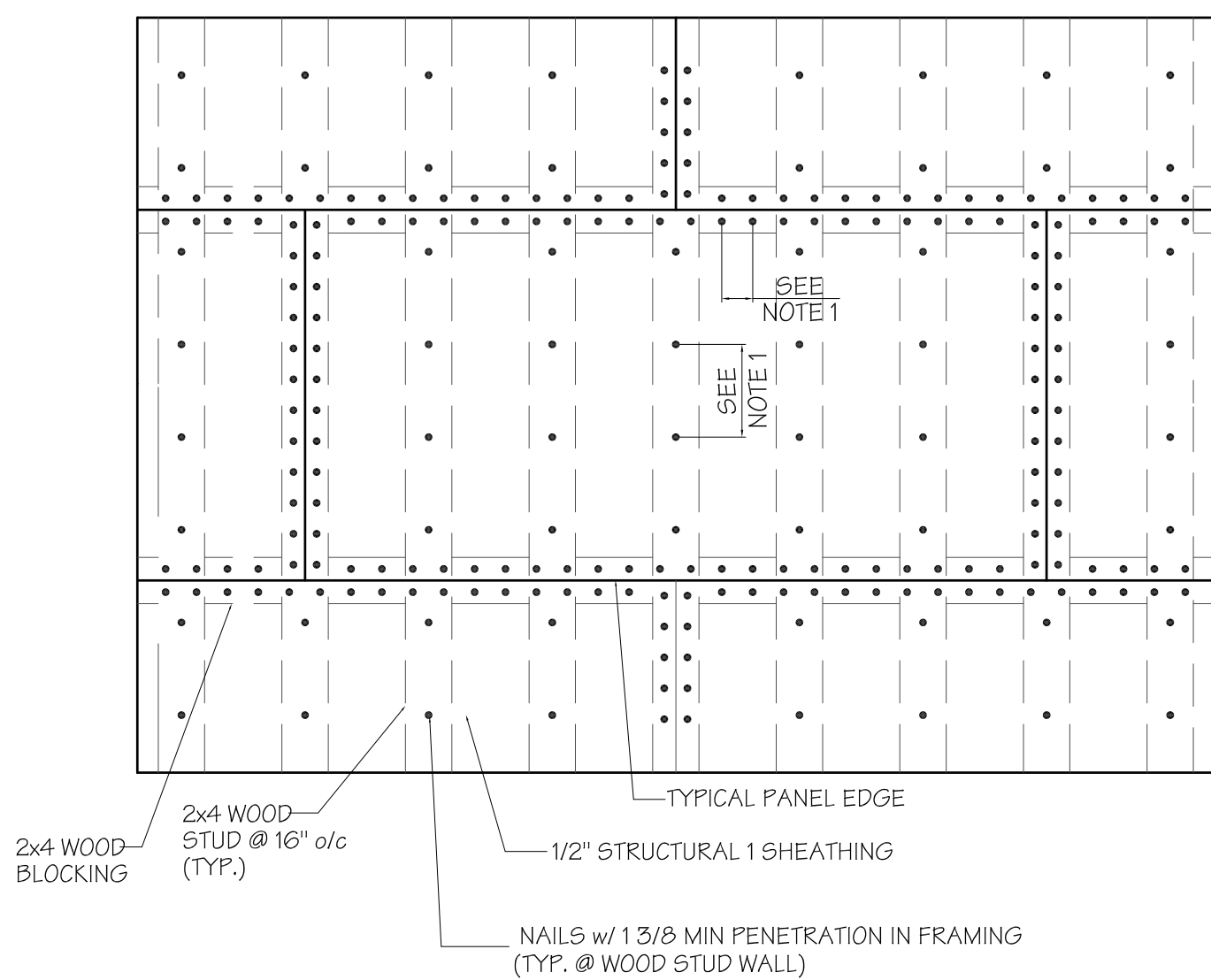


TYP. PLYWOOD SHEATHED WALL SECTION
WALLS 5'-0" OR GREATER FROM THE PROPERTY LINE NOT TO SCALE



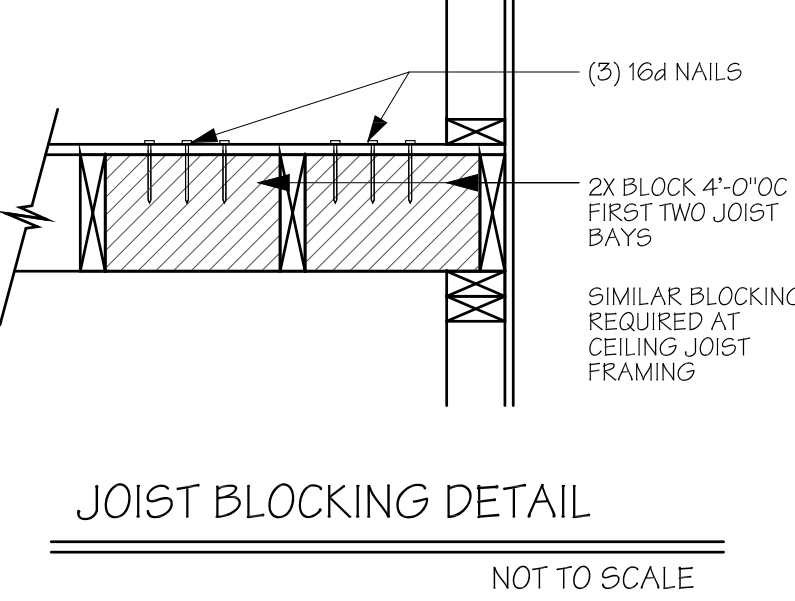
TYPICAL HIGH WIND CONSTRUCTION NOT TO SCALE

FLOOR FRAMING ANCHOR / PILE STRINGERS

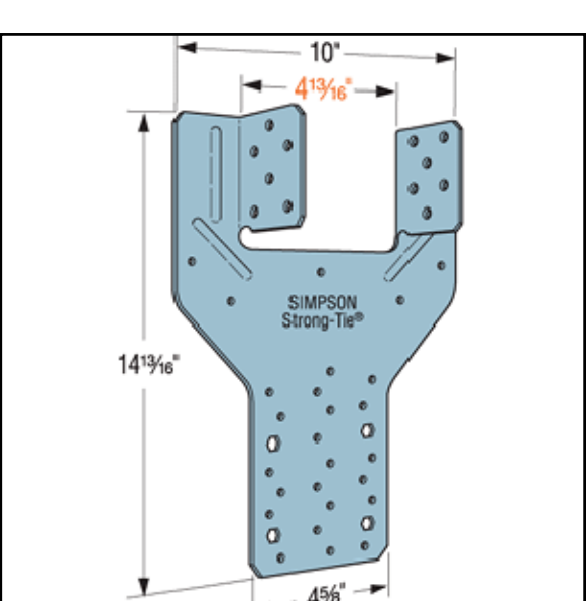


TYPICAL SHEAR WALL PANEL NAILING PATTERN

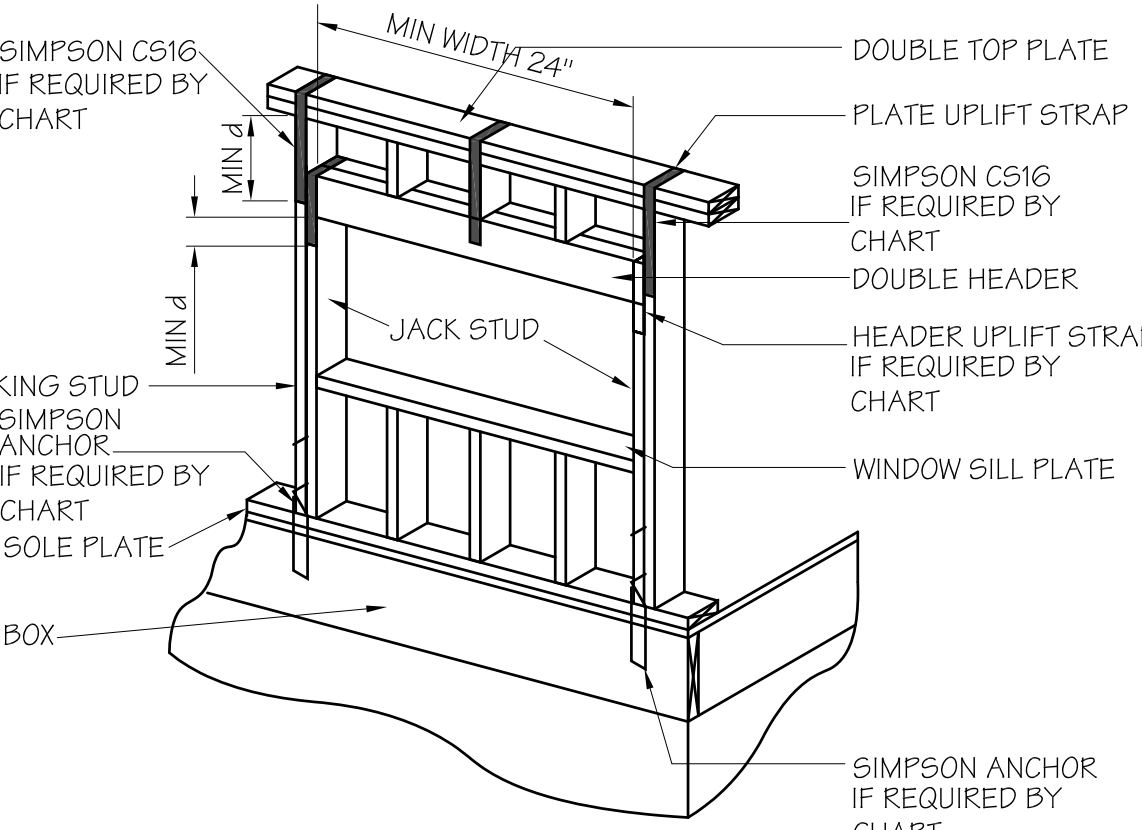
- NOTES:
- 1) FASTENER SPACING @ PANEL EDGES ON ALL SHEAR WALLS AS PER SCHEDULE MINIMUM EMBEDMENT OF NAILS = 1 3/8"
 - 2) SHEATHING SHALL BE NAILED DIRECTLY TO WALL STUDS AND BLOCKING
 - 3) PANEL EDGES INCLUDE EDGES OF SHEATHING AROUND WINDOW AND DOOR OPENINGS



JOIST BLOCKING DETAIL
NOT TO SCALE



Simpson LGT3-SDS2.5
TO BE USED ONLY AT DOOR OPENINGS GREATER THAN 73"

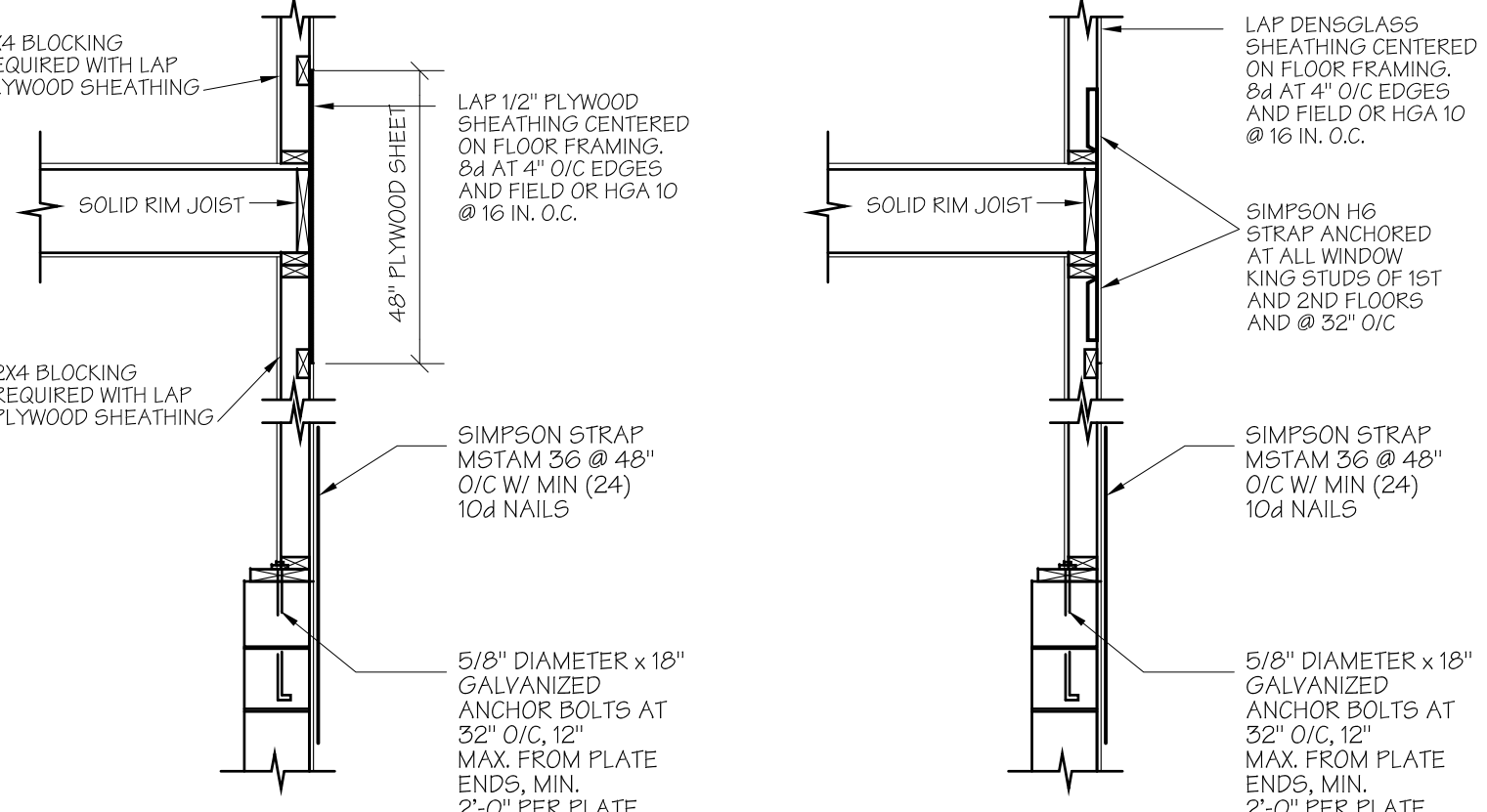


WINDOW STRAPPING DETAIL
NOT TO SCALE

WINDOW AND DOOR HEADER STRAPPING NAILING REQUIREMENTS						
OPENING WIDTH	REQUIRED STRAP	MIN d	TOTAL NAILS REQ'D	KING & JACK STUD ANCHOR TO FLOOR		
				ANCHOR	STUD FASTENERS	RIM JOIST FASTENERS
UP TO 72"	N/A	N/A	N/A	N/A	N/A	N/A
73" TO 96"	SIMPSON CS16	26"	(40) 8d @ 2" O/C	LGT3-SDS2.5	(12) SDS 1/4 X 2 1/2	(26) 16d NAILS
97" TO 120"	SIMPSON CS16	30"	(50) 8d @ 2" O/C	LGT3-SDS2.5	(12) SDS 1/4 X 2 1/2	(26) 16d NAILS
121" TO 144"	SIMPSON CS16	36"	(60) 8d @ 2" O/C	LGT3-SDS2.5	(12) SDS 1/4 X 2 1/2	(26) 16d NAILS

ALL STRAPS SHALL BE CONTINUOUS AND SHALL WRAP OVER HEADER AND TOP PLATES. STRAPS SHALL BE MOUNTED EQUIDISTANT DOWN EACH SIDE OF EACH STUD. ONE HALF (1/2) OF THE TOTAL NAIL COUNT SHALL BE PROVIDED ON EACH SIDE OF EACH STUD.

GENERAL NAILING SCHEDULE				
JOINT DESCRIPTION	NUMBER OF COMMON NAILS	NUMBER OF BOX NAILS	NAIL SPACING	
ROOF FRAMING				
BLOCKING TO RAFTER (TOE-NAILED)	2-8d	2-10d	EACH END	
RIM BOARD TO RAFTER (END-NAILED)	2-16d	3-16d	EACH END	
WALL FRAMING				
TOP PLATES AT INTERSECTIONS (FACE-NAILED)	4-16d	5-16d	AT JOINTS	
STUD TO STUD (FACE-NAILED)	2-16d	2-16d	24" O/C	
HEADER TO HEADER (FACE-NAILED)	16d	16d	16" O/C ALONG EDGES	
FLOOR FRAMING				
JOIST TO SILL, TOP PLATE OR GIRDER (TOE-NAILED)	4-8d	4-10d	PER JOIST	
BLOCKING TO JOIST (TOE-NAILED)	2-8d	2-10d	EACH END	
BLOCKING TO SILL OR TOP PLATE (TOE-NAILED)	3-16d	4-16d	EACH BLOCK	
LEDGER STRIP TO BEAM OR GIRDER (FACE-NAILED)	3-16d	4-16d	EACH JOIST	
JOIST ON LEDGER TO BEAM (TOE-NAILED)	3-8d	3-10d	PER JOIST	
BAND JOIST TO JOIST (END-NAILED)	3-16d	4-16d	PER JOIST	
BAND JOIST TO SILL OR TOP PLATE (TOE-NAILED)	2-16d	3-16d	PER FOOT	
ROOF SHEATHING				
WOOD STRUCTURAL PANELS			4' PERIMETER ZONE	INTERIOR ZONE
RAFTERS OR TRUSSES SPACED UP TO 16" O/C	8d	10d	6" EDGE / 6" FIELD	6" EDGE / 12" FIELD
RAFTERS OR TRUSSES SPACED OVER 16" O/C	8d	10d	4" EDGE / 4" FIELD	4" EDGE / 8" FIELD
GABLE ENDWALL RAKE OR RAKE TRUSS W/O GABLE OVERHANG	8d	10d	6" EDGE / 6" FIELD	6" EDGE / 12" FIELD
GABLE ENDWALL RAKE OR RAKE TRUSS W/ STRUCTURAL OUTLOOKERS	8d	10d	6" EDGE / 6" FIELD	6" EDGE / 12" FIELD
GABLE ENDWALL RAKE OR RAKE TRUSS W/ LOOKOUT BLOCKS	8d	10d	4" EDGE / 4" FIELD	4" EDGE / 8" FIELD
CEILING SHEATHING				
GYPSUM WALLBOARD	5d COOLERS	--	4" EDGE / 7" FIELD	7" EDGE / 10" FIELD
WALL SHEATHING				
WOOD STRUCTURAL PANELS				
STUDS SPACED UP TO 24" O/C	8d	10d	6" EDGE / 6" FIELD	6" EDGE / 12" FIELD
1/2" AND 25/32" FIBERBOARD PANELS	8d	--	3" EDGE / 6" FIELD	3" EDGE / 6" FIELD
1/2" GYPSUM WALLBOARD	5d COOLERS	--	4" EDGE / 7" FIELD	7" EDGE / 10" FIELD
FLOOR SHEATHING				
WOOD STRUCTURAL PANELS				
1" OR LESS	8d	10d	6" EDGE / 6" FIELD	6" EDGE / 12" FIELD
GREATER THAN 1"	10d	16d	6" EDGE / 6" FIELD	6" EDGE / 12" FIELD



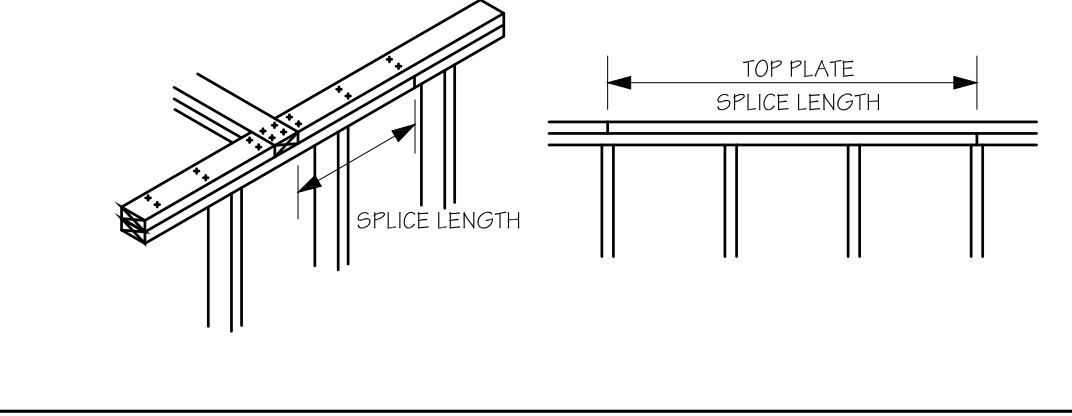
STEM WALL STRAPPING

PLYWOOD SHEATHING
WALLS 5'-0" OR GREATER FROM THE PROPERTY LINE

STEM WALL STRAPPING

DENSGLASS SHEATHING
WALLS 5'-0" OR LESS FROM THE PROPERTY LINE

TOP PLATE SPLICE													
	BUILDING DIMENSION OF WALL CONTAINING TOP PLATE SPLICE (FT)												
	12	16	20	24	28	32	36	40	50	60	70	80	
SPLICE LENGTH (FT)	1'	1'	2'	2'	3'	3'	3'	4'	5'	6'	7	8	8'
SPLICE LENGTH (FT)	NUMBER OF 16d COMMON NAILS PER EACH SIDE OF SPLICE												
2	4	6	8	8	NP	NP	NP	NP	NP	NP	NP	NP	NP
4	4	6	7	8	10	12	14	16	NP	NP	NP	NP	NP
6	4	6	7	8	10	12	14	16	20	24	NP	NP	NP
8	4	6	7	8	10	12	14	16	20	24	28	32	32



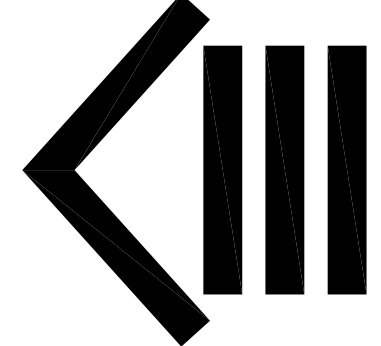
2015 FRAMING DETAILS

GEORGE WRAY THOMAS PE, PP, RA

Registered Architect
Professional Engineer

P: (609) 927-5050 F: (609) 927-3330
WWW.GWTHOMAS.NET

599 SHORE ROAD SOMERS POINT NEW JERSEY



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Revisions:

Date:

5-17-18

Scale:

NONE

Drawn:

RMB

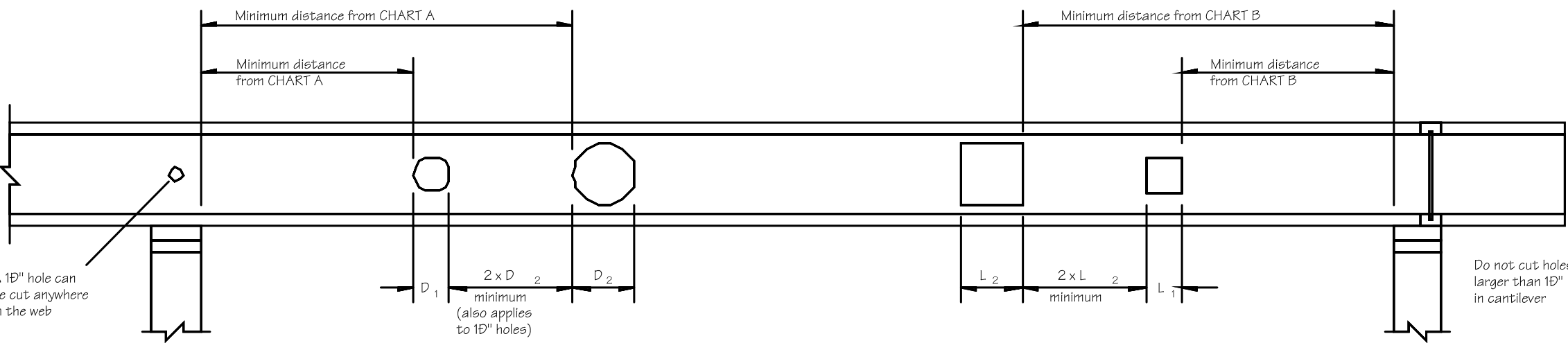
Checked:

DWS

File No:

Dwg. No.

FR15



HOW TO USE THESE CHARTS
 1. Determine the hole shape (round, square or rectangular) and select the appropriate chart - A or B.
 2. Under HOLE SIZE, locate the column which meets or exceeds the size of hole you require.
 3. Use the first two columns to identify the TJI joist series and depth being used in your floor or roof system.
 4. Scan right across the row until you intersect the column which contains the hole size you selected.
 The value shown is the required minimum distance from edge of the hole to the inside face of the nearest support.

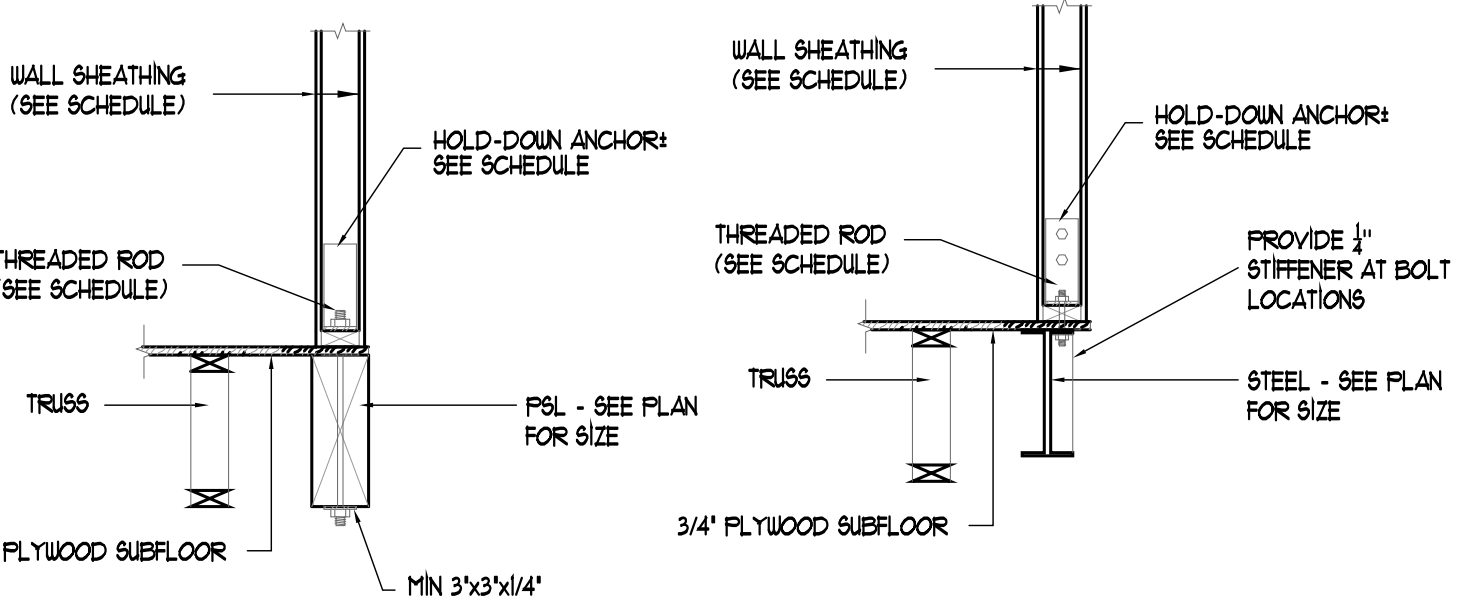
CHART A - ROUND HOLES

MINIMUM DISTANCE FROM INSIDE FACE OF ANY SUPPORT TO NEAREST EDGE OF HOLE

Depth	TJI/Pro™	ROUND HOLE SIZE															
		2"	3"	4"	5"	6"	6 1/2"	7"	8"	8 1/2"	9"	10"	10 1/2"	12"	12 1/2"		
90°	150	1'-0"	1'-6"	3'-0"	5'-0"	6'-6"	7'-6"										
	250	1'-0"	2'-6"	4'-0"	5'-6"	7'-6"	8'-0"										
100°	150	1'-0"	1'-0"	1'-0"	2'-0"	3'-0"	3'-6"	5'-0"	7'-0"	8'-6"							
	250	1'-0"	1'-0"	2'-0"	3'-0"	4'-6"	5'-0"	6'-0"	8'-0"	9'-0"							
	350	1'-0"	2'-0"	3'-0"	4'-6"	5'-6"	6'-0"	7'-0"	9'-0"	10'-0"							
	550	1'-0"	1'-6"	3'-0"	4'-6"	6'-0"	6'-6"	7'-6"	9'-0"	10'-6"							
14"	250	1'-0"	1'-0"	1'-0"	1'-0"	1'-6"	2'-0"	3'-0"	5'-0"	6'-6"	8'-6"	10'-0"					
	350	1'-0"	1'-0"	1'-0"	1'-6"	3'-0"	3'-6"	4'-6"	6'-0"	7'-0"	8'-6"	9'-6"					
	550	1'-0"	1'-0"	1'-0"	2'-6"	4'-0"	4'-6"	5'-6"	7'-6"	9'-0"	10'-6"	12'-0"					
16"	250	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-6"	2'-6"	3'-0"	5'-0"	6'-6"	9'-0"	11'-0"			
	350	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-6"	3'-0"	4'-0"	5'-0"	6'-6"	8'-0"	10'-6"	12'-6"			
	550	1'-0"	1'-0"	1'-0"	1'-0"	2'-0"	2'-6"	3'-6"	5'-0"	6'-0"	7'-0"	8'-6"	10'-0"	12'-0"	13'-6"		

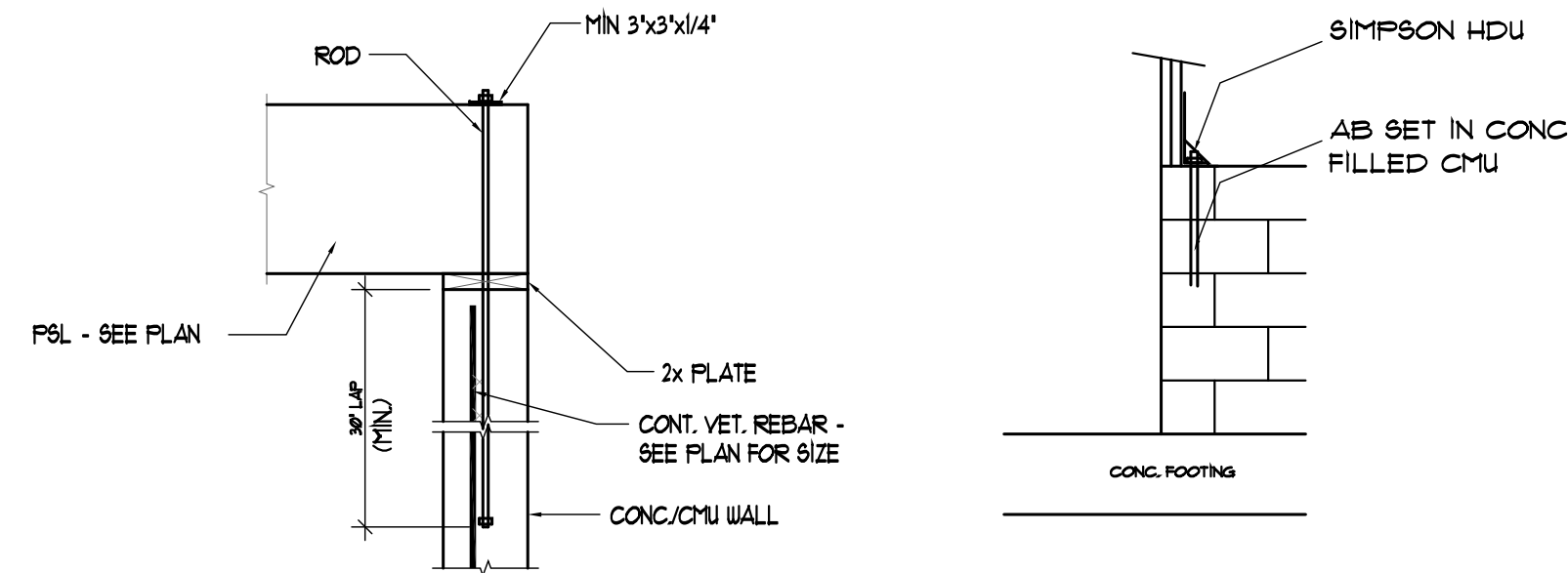
CHART B - SQUARE OR RECTANGULAR HOLES																
MINIMUM DISTANCE FROM INSIDE FACE OF ANY SUPPORT TO NEAREST EDGE OF HOLE																
Depth	TJI/Pro [™]	SQUARE OR RECTANGULAR HOLE SIZE														
		2"	3"	4"	5"	6"	6 1/2"	7"	8"	8 1/2"	9"	10"	10 1/2"	12"	12 1/2"	
90°	150	1'-0"	2'-0"	4'-0"	6'-0"	6'-6"	6'-6"									
	250	1'-0"	2'-6"	4'-6"	6'-6"	6'-6"	7'-0"	7'-0"								
110°	150	1'-0"	1'-0"	2'-0"	4'-0"	6'-6"	7'-6"	8'-0"	8'-6"	9'-0"						
	250	1'-0"	1'-6"	3'-6"	5'-0"	7'-6"	8'-0"	8'-6"	9'-0"	9'-6"						
	350	1'-0"	2'-6"	4'-0"	5'-6"	7'-6"	8'-6"	9'-0"	9'-6"	9'-6"						
	550	3'-0"	4'-6"	6'-0"	7'-6"	9'-0"	9'-6"	9'-6"	10'-0"	10'-6"						
141°	250	1'-0"	1'-0"	1'-6"	3'-6"	6'-0"	6'-6"	8'-0"	10'-0"	10'-6"	11'-0"	11'-0"	12'-0"			
	350	1'-0"	1'-0"	2'-6"	4'-6"	6'-6"	7'-0"	9'-0"	10'-6"	11'-6"	11'-6"	12'-0"	12'-0"			
	550	1'-6"	3'-0"	4'-6"	6'-6"	8'-0"	8'-6"	10'-0"	11'-6"	11'-6"	12'-0"	13'-0"	13'-0"			
161°	250	1'-0"	1'-0"	1'-0"	1'-0"	1'-6"	2'-0"	4'-0"	6'-6"	8'-6"	9'-6"	10'-0"	11'-0"	11'-6"		
	350	1'-0"	1'-0"	1'-0"	1'-0"	3'-0"	3'-6"	5'-6"	8'-0"	10'-0"	10'-0"	11'-0"	11'-6"	12'-6"	13'-0"	
	550	1'-0"	1'-6"	3'-6"	5'-0"	7'-6"	8'-0"	9'-6"	11'-6"	13'-0"	13'-0"	14'-0"	14'-0"	15'-0"	15'-6"	

*Rectangular holes based on measurement of longest side.



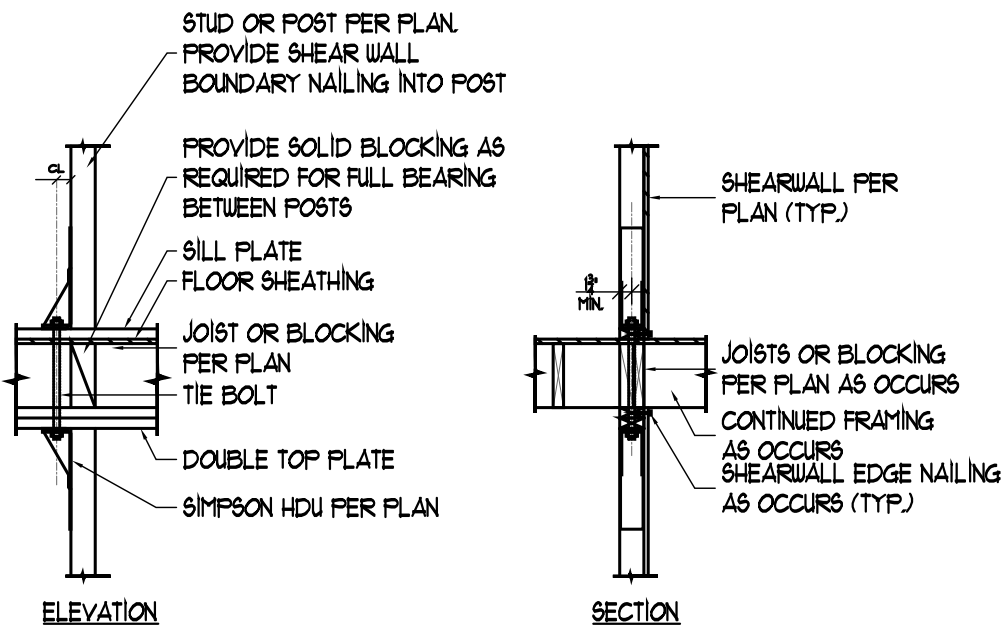
HOLD-DOWN ANCHOR DETAIL AT PSL

HOLD-DOWN ANCHOR DETAIL AT STEEL

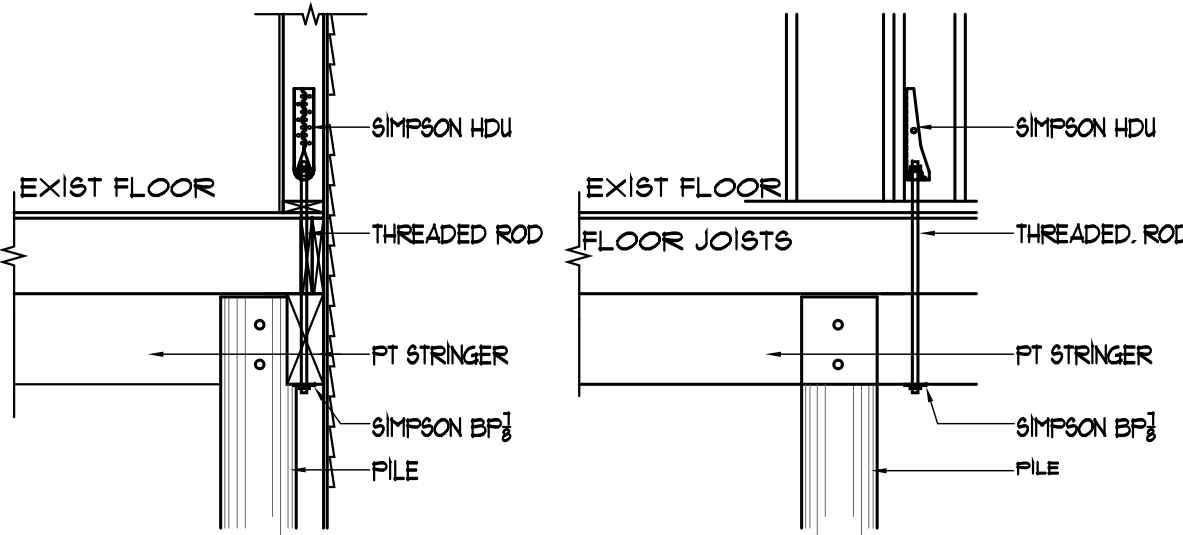


HOLD-DOWN ANCHOR DETAIL

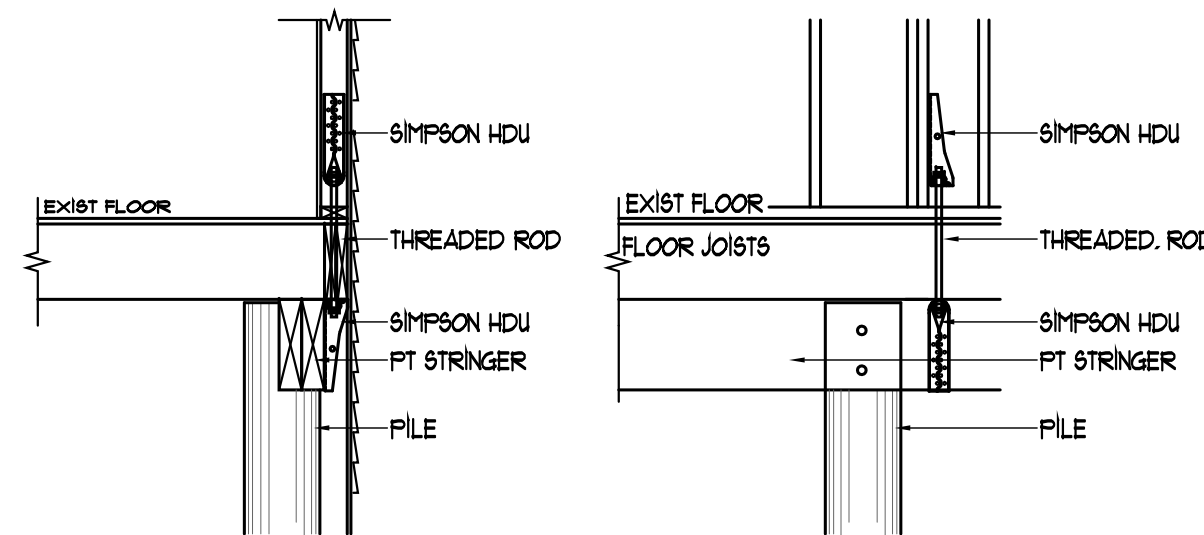
HOLD-DOWN ANCHOR DETAIL AT GARAGE



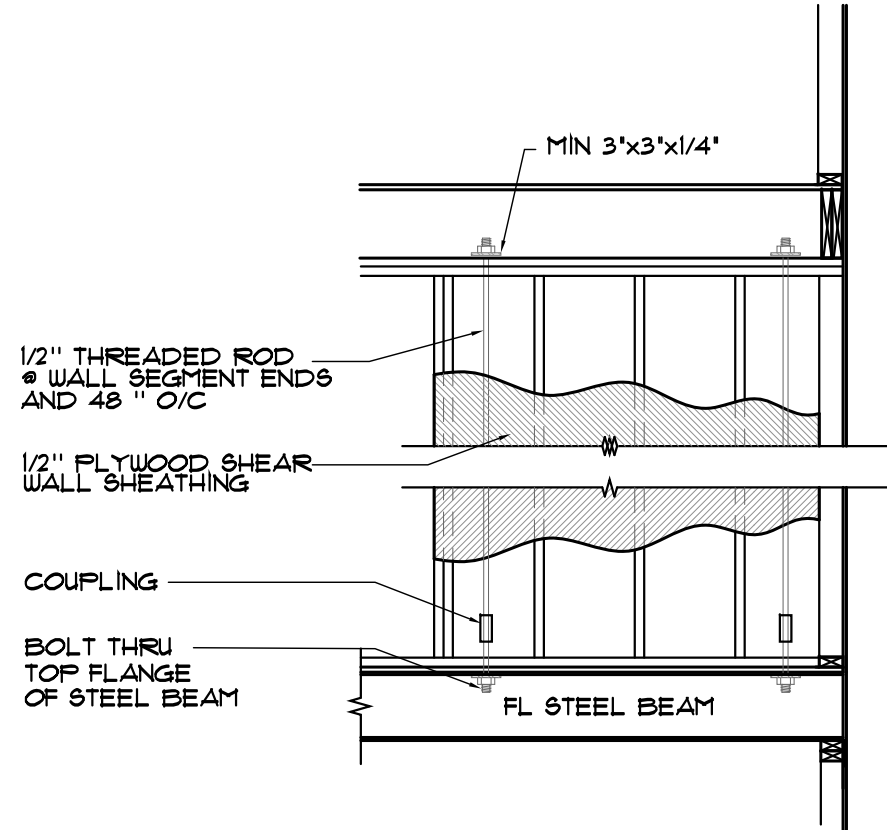
HOLD-DOWN ANCHOR DETAIL AT FLOOR



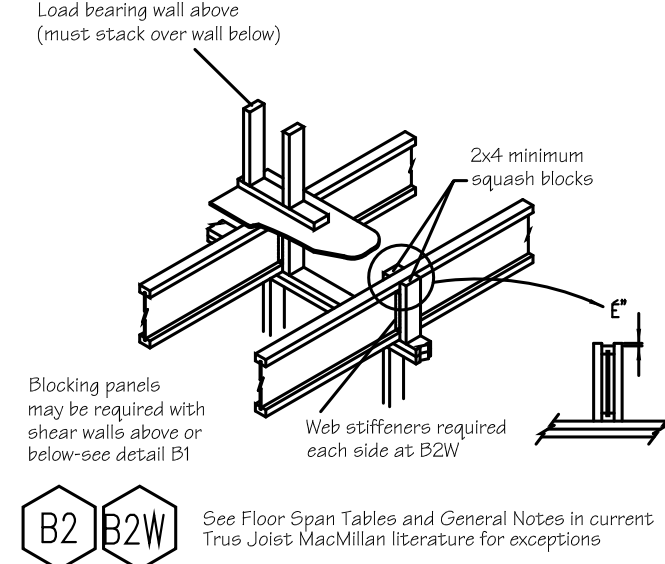
HOLD-DOWN ANCHOR DETAIL / PILE STRINGER ANCHOR TO THROUGH BEAM



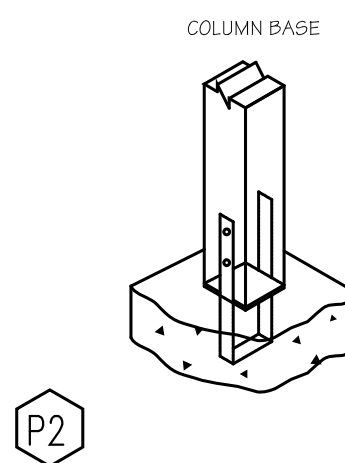
HOLD-DOWN ANCHOR DETAIL / PILE STRINGER ANCHOR TO STRINGER



HOLD-DOWN ANCHOR DETAIL AT STEEL (ALL THREAD)

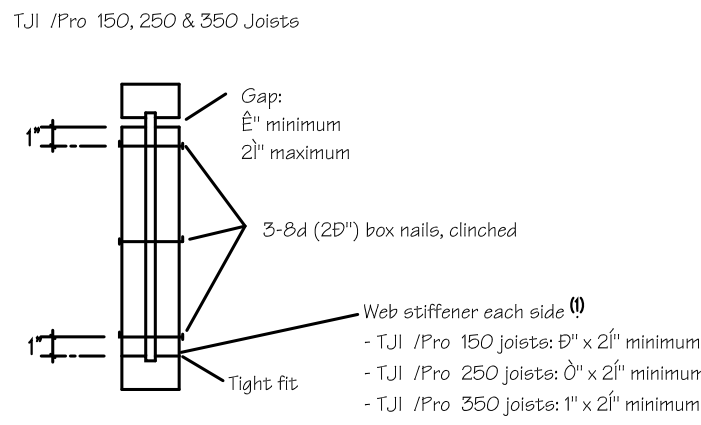


See Floor Span Tables and General Notes in current True Joist MacMillan literature for exceptions



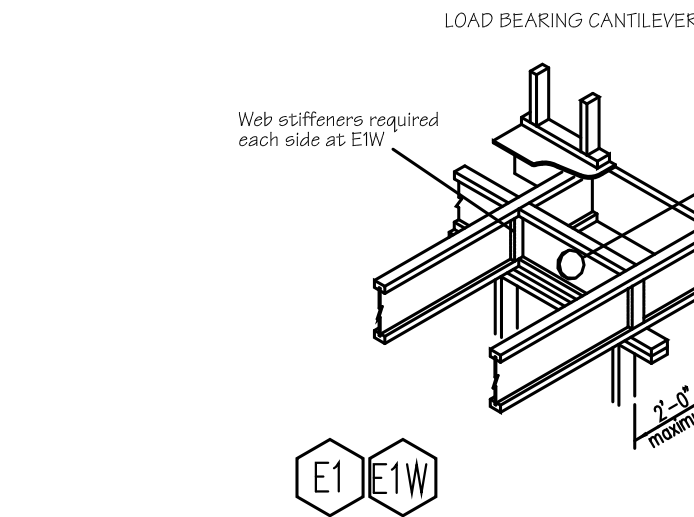
P2

WEB STIFFENER ATTACHMENT

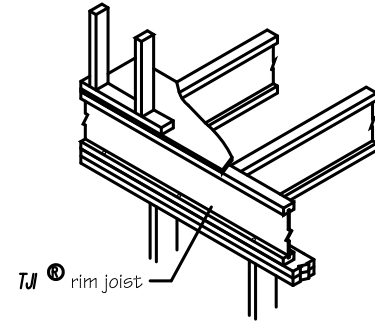


W

(1) Web stiffener material shall be sheathing meeting the requirements of PS 1 or PS 2 with face grain vertical.
 (2) 2x4 construction grade or better.

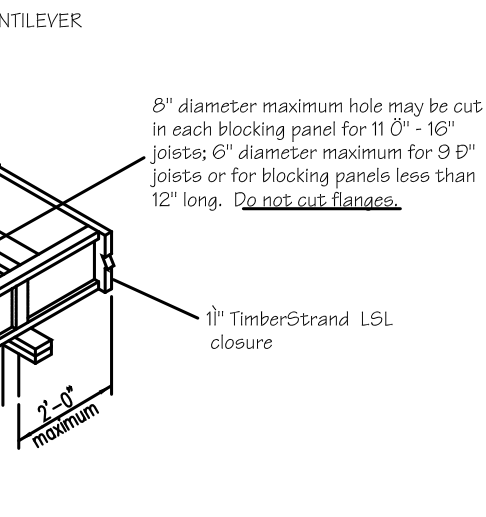


LOAD BEARING CANTILEVER

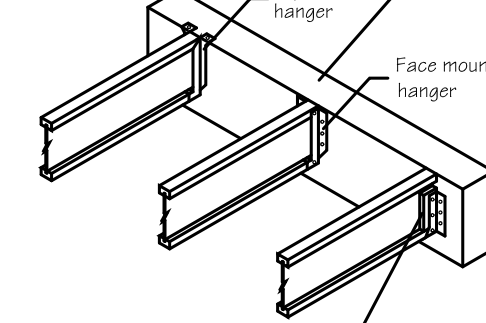


A2

Must have 10" minimum joist bearing at ends



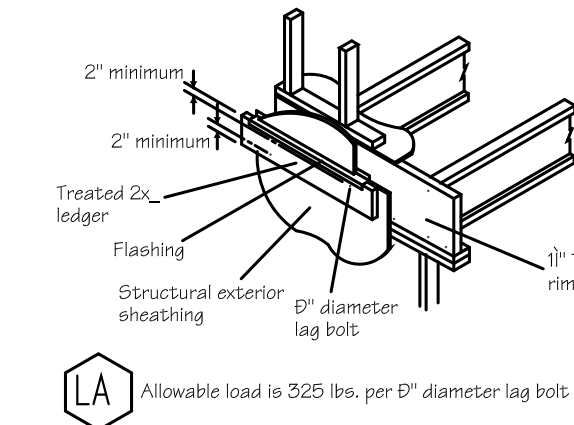
LOAD BEARING CANTILEVER



H1

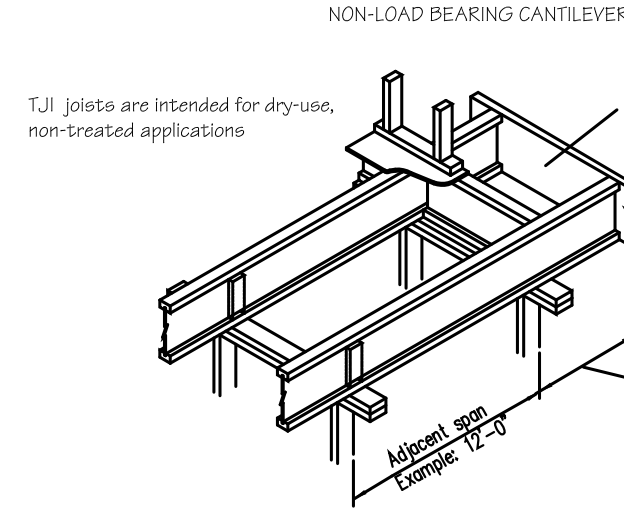
Web stiffeners are required if the sides of the hanger do not laterally support the TJI joist top flange and per current True Joist MacMillan literature

EXTERIOR DECK ATTACHMENT



LA

Allowable load is 325 lbs. per 6" diameter lag bolt



F2

TJI joists may be cantilevered up to 1/3 the adjacent span if not supporting concentrated loads on the cantilever. Cantilevers exceeding 4 feet may require special consideration. Refer to our TJI-Beam or TJI-Apert software or contact your True Joist MacMillan representative for assistance.

CONNECTION OF MULTIPLE PIECES OF TOP-LOADED BEAMS

MICROLLAM LVL

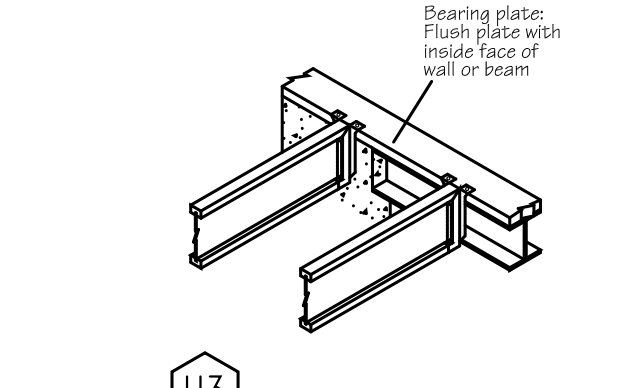
- Minimum of 2 rows 16d (36") nails at 12" o.c.
- Minimum of 3 rows 16d (36") nails at 12" o.c.
- Multiple pieces of Microllam LVL can be nailed or bolted together to form a header or beam of the required size up to a maximum width of 7 inches.

PARALLAM PSL

- Minimum of 2 rows 16d (36") nails at 12" o.c.
- Minimum of 3 rows 16d (36") nails at 12" o.c. for 14", 16", and 18" beams
- 36" Width Pieces: Minimum of 2 rows 16d (36") nails at 12" o.c.
- Minimum of 2 rows 9" bolts at 24" o.c. staggered

L6

For side-loaded multiple member beams, additional nailing or bolting may be required. See current True Joist MacMillan literature.



H3

SHEARWALL SCHEDULE

SHEARWALL #	PLYWOOD	SIDES OF WALL	NAILS	EMBEDMENT	SHEAR WALL ANCHORS		REMARKS
					CMU	FILE / STGR	
1	1/2"	1X	8d @ 4" O/C	1 3/8"	HDU 4	CMSTC16 MSTCABB3 TO RIM JOIST H6 AT ALL FLOOR JSTS TO STGR	CONTRACTOR TO PROVIDE A MIN OF 2 SHEAR WALL ANCHORS / 1 AT EACH END OF EACH WALL SEGMENT LOCATED AT THE BOTTOM OF THE WALL. ALL SHEAR WALL ANCHORS MUST BE ANCHORED TO WALL BELOW WITH THE SAME ANCHOR OR TO THE FOUNDATION WITH BOLTS AS SPECIFIED BY THE MANUFACTURER
2	1/2"	1X	8d @ 3" O/C	1 3/8"	HDU 5	CMSTC16 MSTCABB3 TO RIM JOIST H6 AT ALL FLOOR JSTS TO STGR	
3	1/2"	2X	8d @ 4" O/C	1 3/8"	HDU 8	CMSTC14 MSTCABB3 TO RIM JOIST H6 AT ALL FLOOR JSTS TO STGR	
4	1/2"	2X	8d @ 3" O/C	1 3/8"	HDU 11	CMSTC12 MSTCABB3 TO RIM JOIST H6 AT ALL FLOOR JSTS TO STGR	
5	FULL HEIGHT 8" MASONRY WITH #4 VERTICAL IN CONCRETE FILLED CORES @ 48" O/C						
6	FULL HEIGHT 8" MASONRY WITH #4 VERTICAL IN CONCRETE FILLED CORES @ 8" O/C						

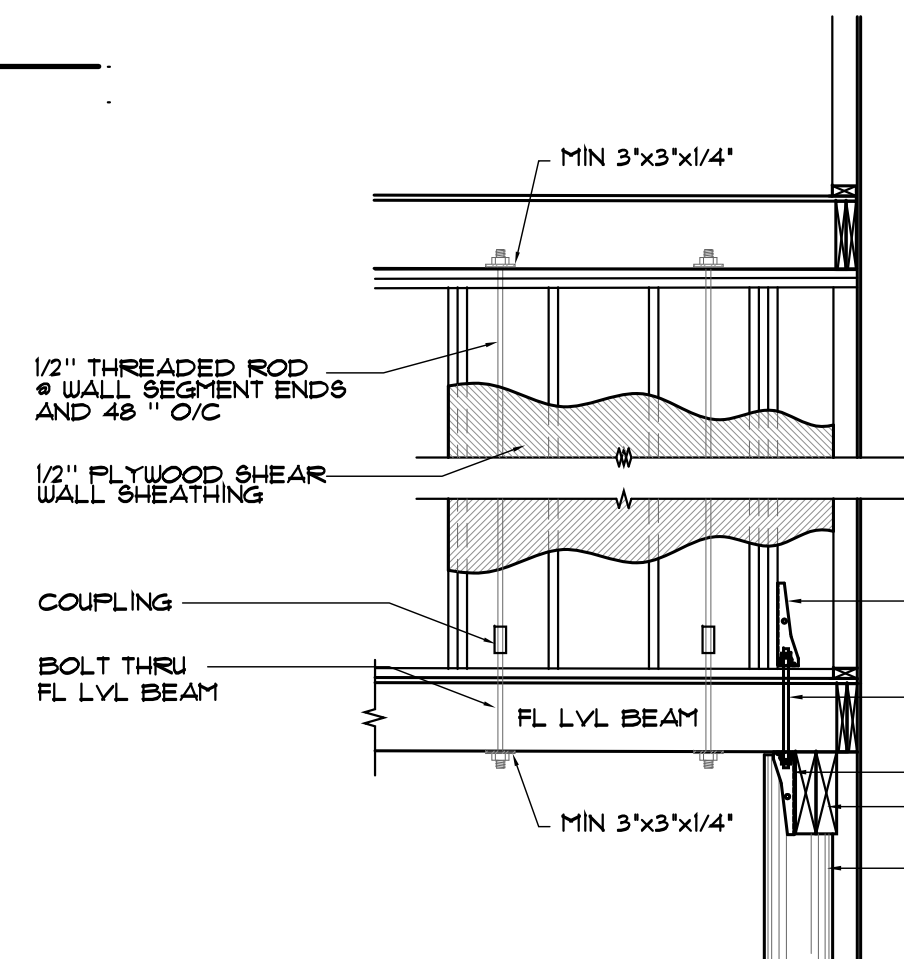
* INDICATES AREAS WHERE SHEATHING IS TO BE PLACED ON THE INTERIOR FACE OF STUD WALL

HOLD DOWN ANCHOR SCHEDULE

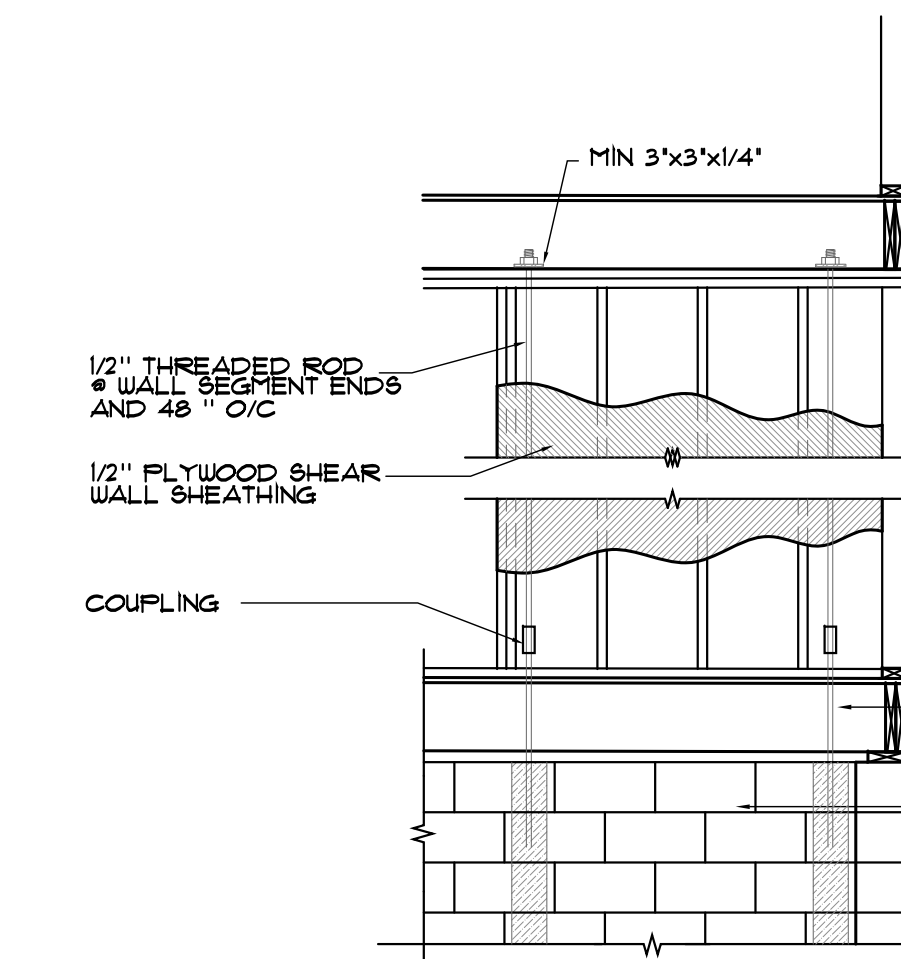
HOLD DOWN MARK	MODEL	MIN WOOD MEMBER THKNGS	SCREWS	BOLT MODEL	ANCHOR BOLT DIA.	MINIMUM EMBEDMENT
HDU4	HDU4-SDS2.5	4.5"	10 SDS 1/4 x 2 1/2"	SSTB16	5/8"	12 1/2"
HDU5	HDU5-SDS2.5	4.5"	14 SDS 1/4 x 2 1/2"	SSTB16	5/8"	12 1/2"
HDU8	HDU8-SDS2.5	4.5"	20 SDS 1/4 x 2 1/2"	SSTB28	7/8"	24 7/8"
HDU11	HDU11-SDS2.5	5.5"	30 SDS 1/4 x 2 1/2"	SSTB28	7/8"	24 7/8"

STRAP ANCHOR SCHEDULE

STRAP MARK	MODEL	MIN WOOD POST MEMBER THKNGS	NAILS	MIN LENGTH OF STRAP ON WOOD POST
ST16	CMSTC16	4.5"	(58) 16d	25"
ST14	CMSTC14	4.5"	(66) 16d	30"
ST12	CMSTC12	4.5"	(84) 16d	38"



HOLD-DOWN ANCHOR DETAIL / PILE STRINGER ANCHOR TO STRINGER (ALLTHREAD)



HOLD-DOWN ANCHOR DETAIL / MASONRY ANCHOR TO MASONRY (ALLTHREAD)

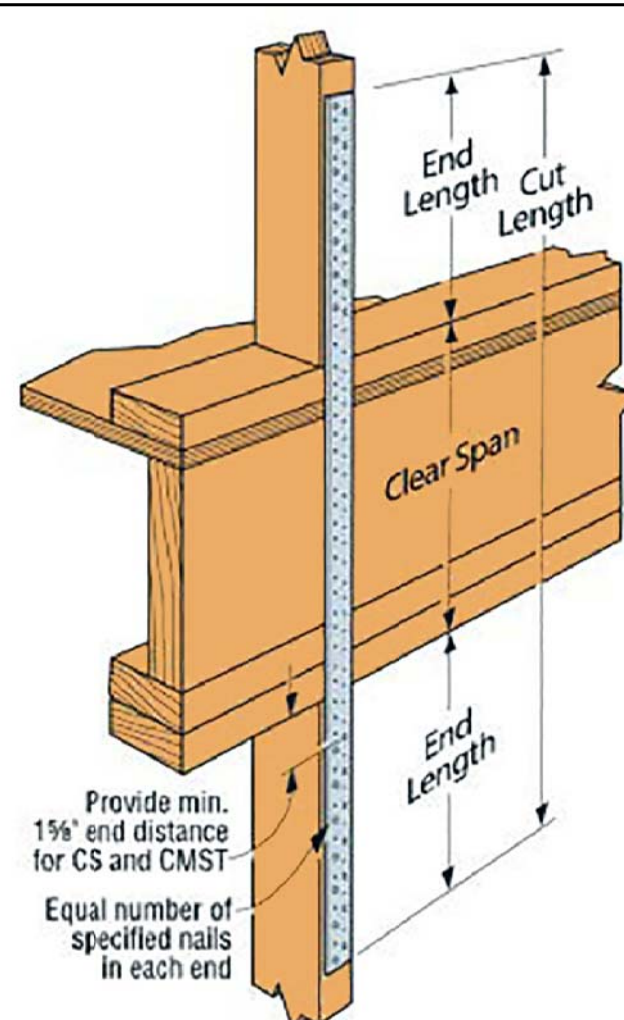


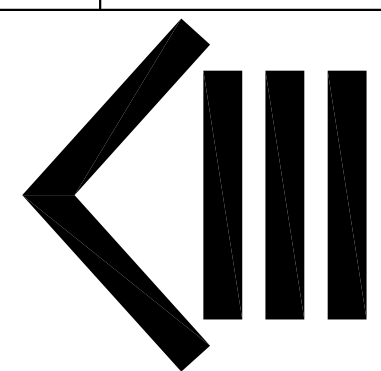
FIGURE 14—TYPICAL INSTALLATION OF CS, CMST, AND CMSTC16 TIE STRAP

PREFABRICATED JOIST & HOLD DOWN AND STRAPPING DETAILS

GEORGE WRAY THOMAS PE, PP, RA

Registered Architect
 Professional Engineer

P: (609) 927-3530
 F: (609) 927-3330
 WWW.GWTHOMAS.NET



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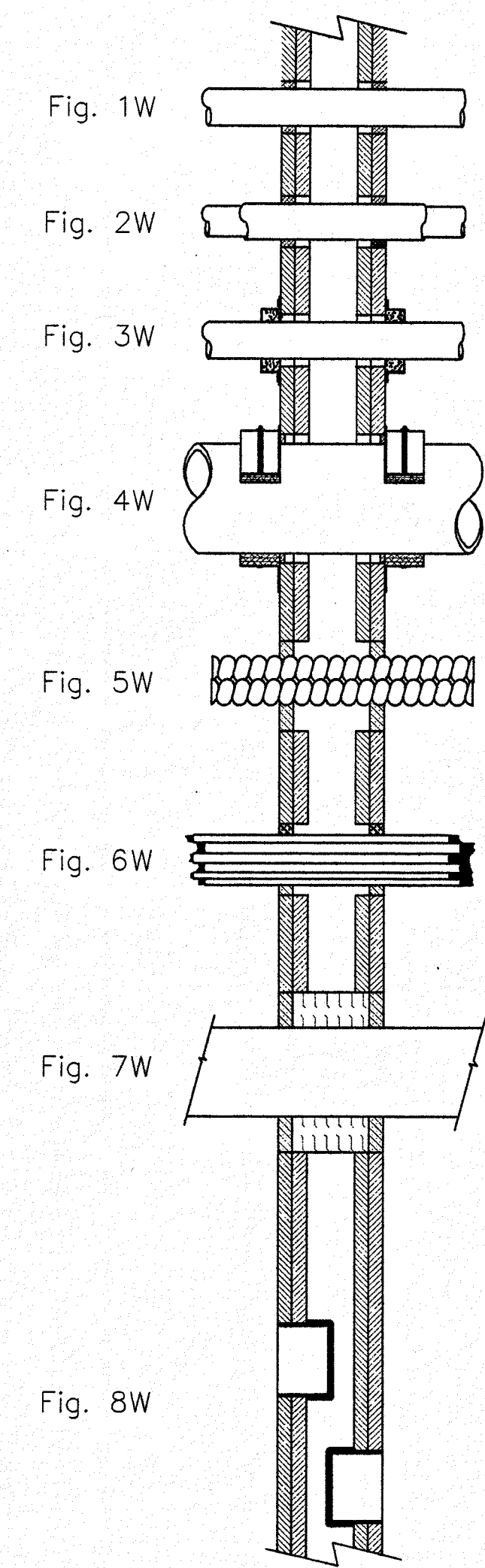
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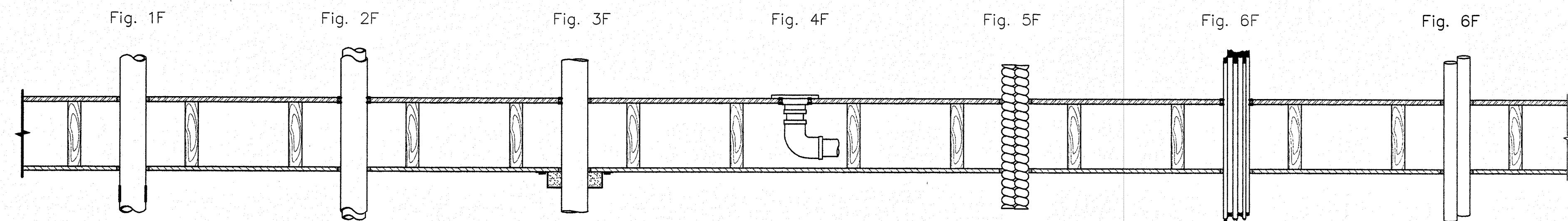
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TJI / HD

WALL PENETRATIONS



FLOOR PENETRATIONS (L500 SERIES)



PENETRATING ITEM	NELSON PRODUCT	CONSTRUCTION TYPE					
		FIG NO.	L500 SERIES WOOD FLOOR ASSY	FIG NO.	G500 SERIES CONCRETE & MEMBRANE	FIG NO.	GYPSUM WALL
STEEL, CAST IRON, COPPER PIPE OR STEEL CONDUIT	ES1399	1F	F-C-1100/FS-0486	1F	F-E-1007/FS-0409	1W	W-L-1276/FS-0348
	LB63		F-C-1116/FS-0548		—		W-L-1334/FS-0590
FIBERGLASS INSULATED STEEL, CAST IRON, COPPER	ES1399	2F	F-C-5061/FS-0478	2F	—	2W	—
	LB63		F-C-5070/FS-0560		F-E-5007/FS-0566		W-L-5215/FS-0607
AB/PVC INSULATED STEEL, CAST IRON, COPPER	LB63	2F	—	2F	F-E-5007/FS-0566	2W	W-L-5214/FS-0606
	LB63/WR63		F-C-5071/FS-0625		—		—
NON-METALLIC PIPE OR CONDUIT	LB63	1F	F-C-2276/FS-0551		—	1W	W-L-2381/FS-0594
	LB63/WR63	1F	F-C-2293/FS-0623	3F	F-E-2025/FS-0628	4W	W-L-2388/FS-0632
	PCS	3F	F-C-2031/FS-0137		—	3W	W-L-2071/FS-0110
NON-METALLIC PIPE CLOSET, FLANGHE	ES1399	4F	F-C-2278/FS-0553		—		—
	LB63		F-C-2278/FS-0553		—		—
NON-METALLIC TUBING SDR9 (PEX) MULTIPLE	ES1399	4F	F-C-2282/FS-0557		—		—
	LB63		F-C-2282/FS-0557		—		W-L-2383/FS-0596
FLEXIBLE METALLIC CONDUIT (multiple)	ES1399	5F	F-C-1129/FS-0521	5F	—	5W	W-L-1429/FS-0670
	LB63		F-C-1118/FS-0550		F-E-1013/FS-0564		W-L-1429/FS-0670
SERVICE ENTRANCE CABLE ROMEX CABLE	ES1399	6F	F-C-3078/FS-0558	6F	F-E-3007/FS-0410	6W	W-L-3270/FS-0649
	ES1399		F-C-3073/FS-0488		F-E-3007/FS-0410		W-L-3270/FS-0649
COMMUNICATIONS CABLE	ES1399		F-C-3073/FS-0488		F-E-3007/FS-0410		W-L-3270/FS-0649
STEEL DUCT	ES1399	1F	F-C-7020/FS-0408	1F	F-E-7004/FS-0411	7W	W-L-7092/FS-0466
ELECTRICAL OUTLET BOX WALL PROTECTION WHERE NEEDED	F&P PADS		—		—	8W	R10764(CLIV)/FS-0671

- Notes:
1. This drawing provides a condensed list of firestop systems for a variety of through penetration applications. Additional systems are offered by Nelson Firestop Products. These may be accessed on the "Products/Systems" tab at our website at www.nelsonfirestop.com. See the "Applications/Systems Index".
 2. Underwriters Laboratories systems may be accessed at the UL website www.ul.com under "Certifications" or more specifically <http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/gothornbr.html>
 3. All systems shown are rated minimum 2 hour "F" rating.
 4. Nelson Firestop Engineering Tech Support - 800-331-7325

UL System No./Nelson Dwg. No.

FIRESTOP SYSTEM SELECTION
WOOD FRAME CONSTRUCTION
NELSON FIRESTOP PRODUCTS

EGS PROPRIETARY INFORMATION OF
Nelson Firestop
EGS Electrical Group
TULSA, OKLAHOMA U.S.A.

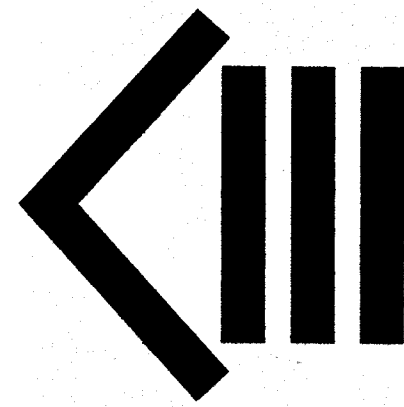
FIRE STOPPING
DETAILS

GEORGE WRAY THOMAS PE, PP, RA

Registered Architect
Professional Engineer

P. (609) 927-5050 F. (609) 927-3330
WWW.GWTHOMAS.NET

599 SHORE ROAD SOMERS POINT NEW JERSEY



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