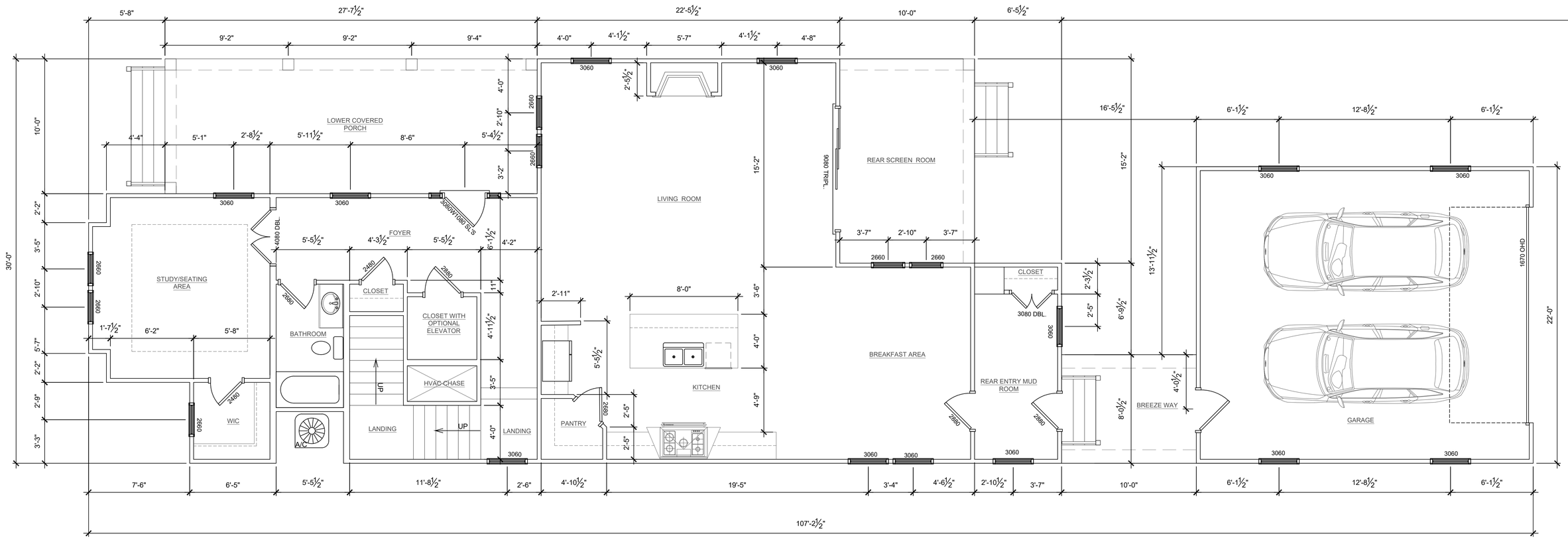
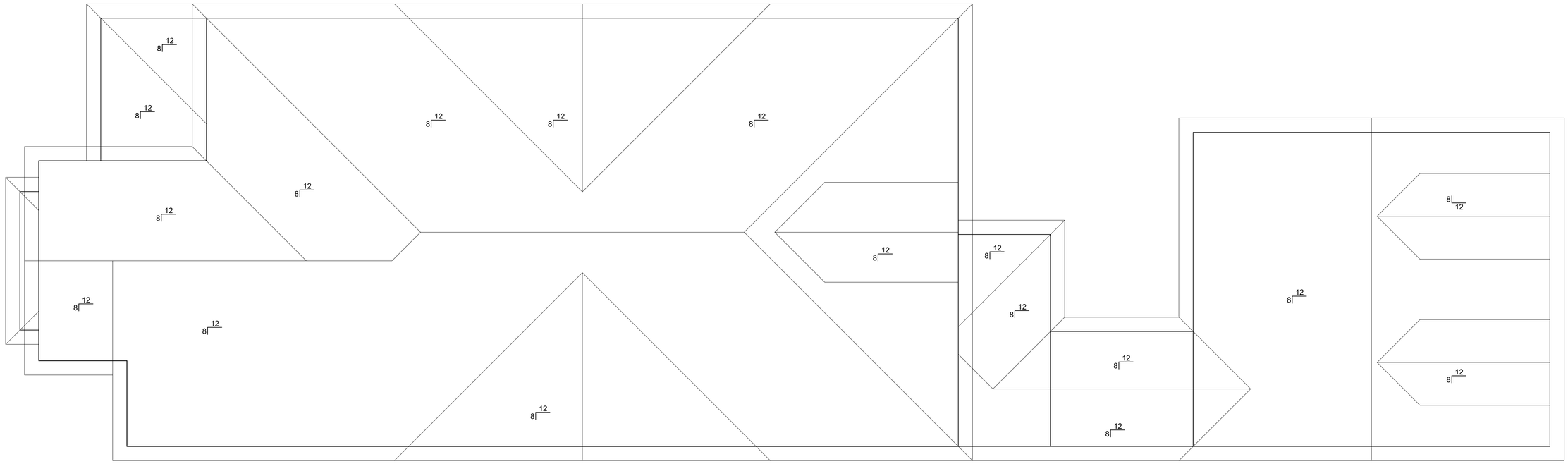


BUILDING AREA	
550	SF GARAGE
1533	SF FIRST FLOOR HEATED
1707	SF SECOND FLOOR HEATED
276	FRONT PORCH
152	REAR SCREEN ROOM
81	BREEZE WAY
4299	TOTAL UNDER ROOF

FIRST FLOOR PLAN

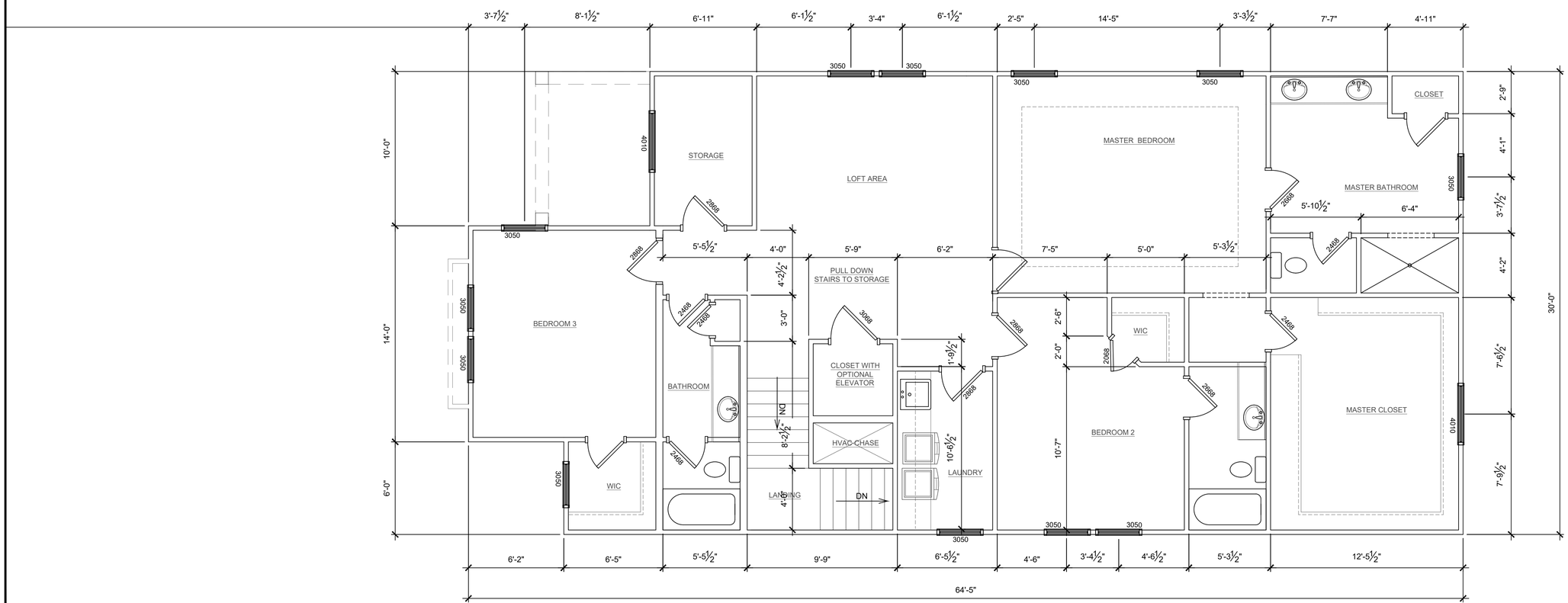
1/4" = 1'-0"

DRAWING NAME:



ROOF PLAN

1/4" = 1'-0"

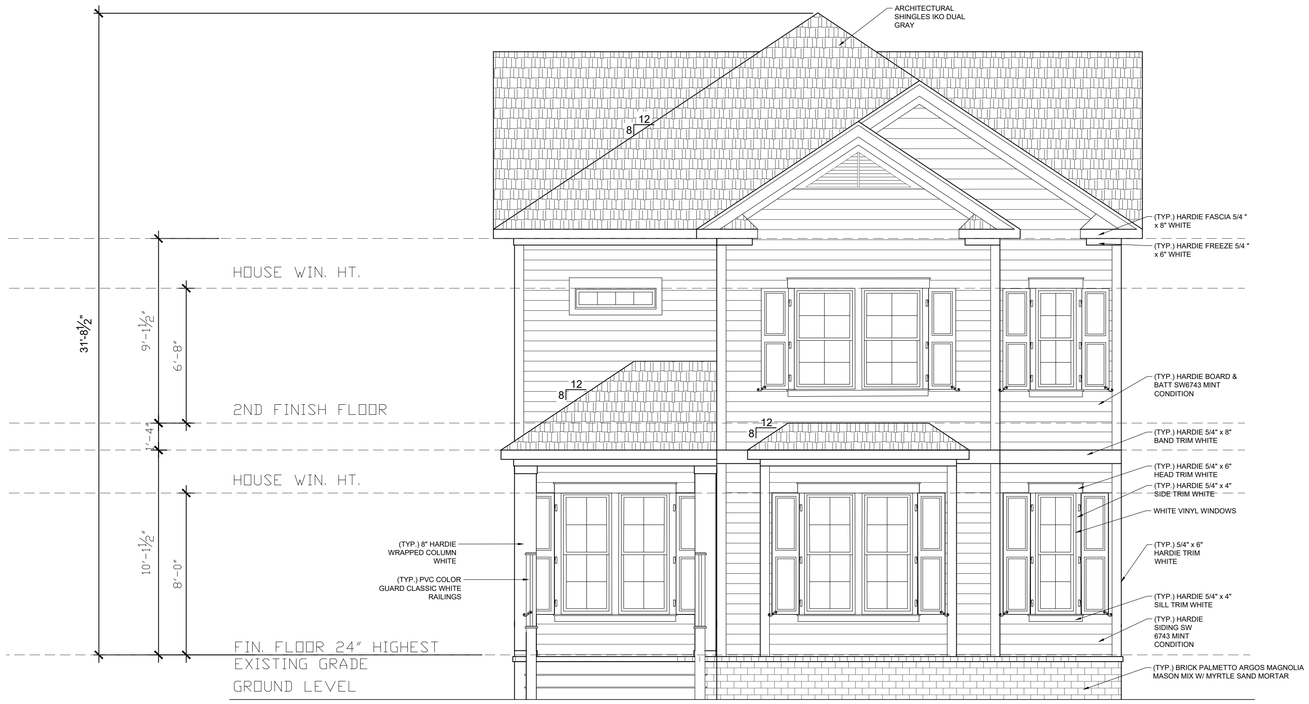


SECOND FLOOR PLAN

1/4" = 1'-0"

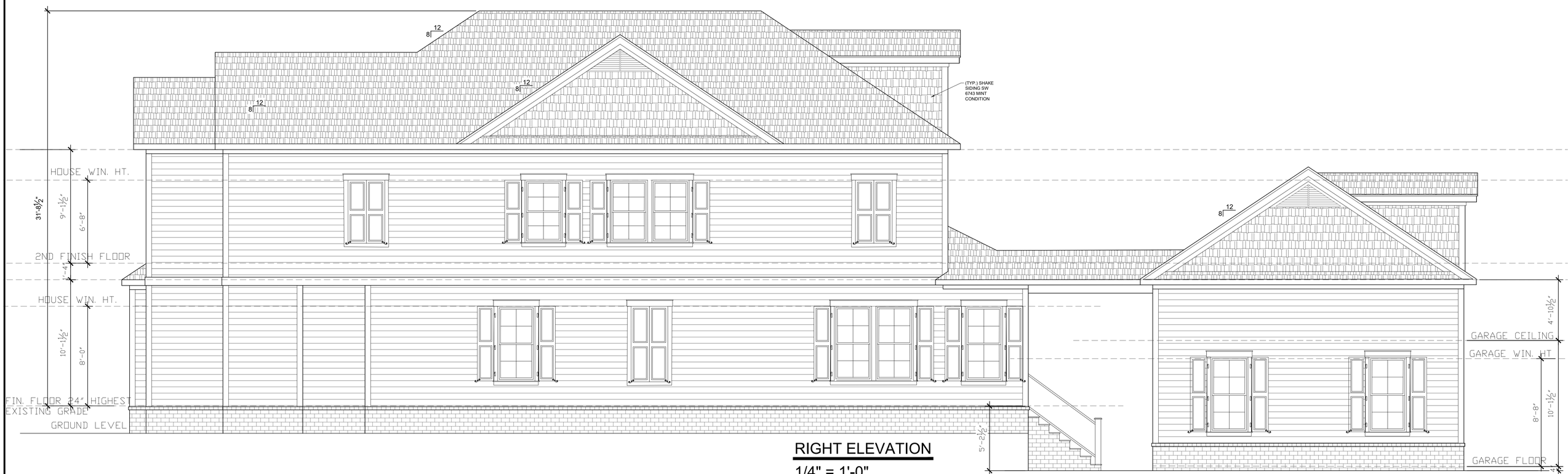
BUILDING AREA	
550	SF GARAGE
1533	SF FIRST FLOOR HEATED
1707	SF SECOND FLOOR HEATED
276	FRONT PORCH
152	REAR SCREEN ROOM
81	BREEZE WAY
4299	TOTAL UNDER ROOF

DRAWING NAME:



FRONT ELEVATION

1/4" = 1'-0"



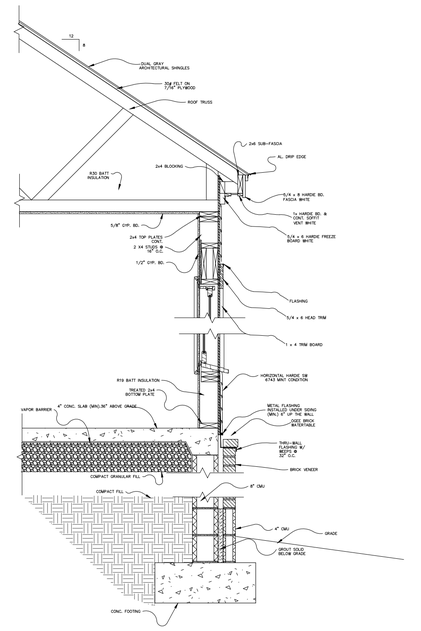
RIGHT ELEVATION

1/4" = 1'-0"

DRAWING NAME:

REAR ELEVATION

1/4" = 1'-0"



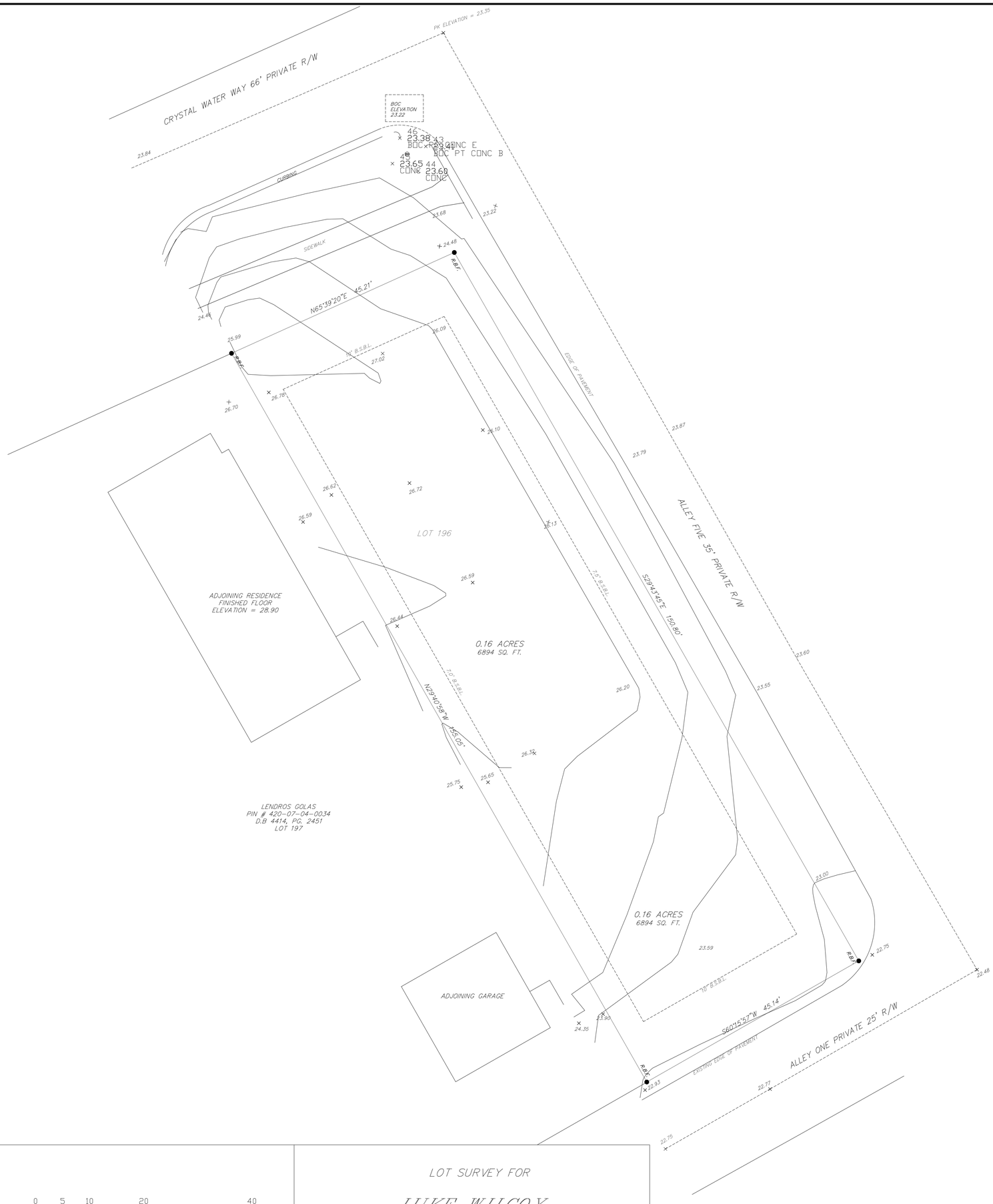
WALL SECTION

1/2" = 1'-0"

LEFT ELEVATION

1/4" = 1'-0"

DRAWING NAME:



	NEAR MYRTLE BEACH
	DOGWOOD NECK TOWNSHIP
	HORRY COUNTY
	SOUTH CAROLINA
	SCALE: 1" = 10'
	DATE: AUGUST 21, 2023
	JOB # TC-4
	SHEET 1 OF 1

SOUTH CAROLINA PROFESSIONAL LAND SURVEYOR PLS 27445 TIMOTHY L. DAVIS

10 0 5 10 20 40

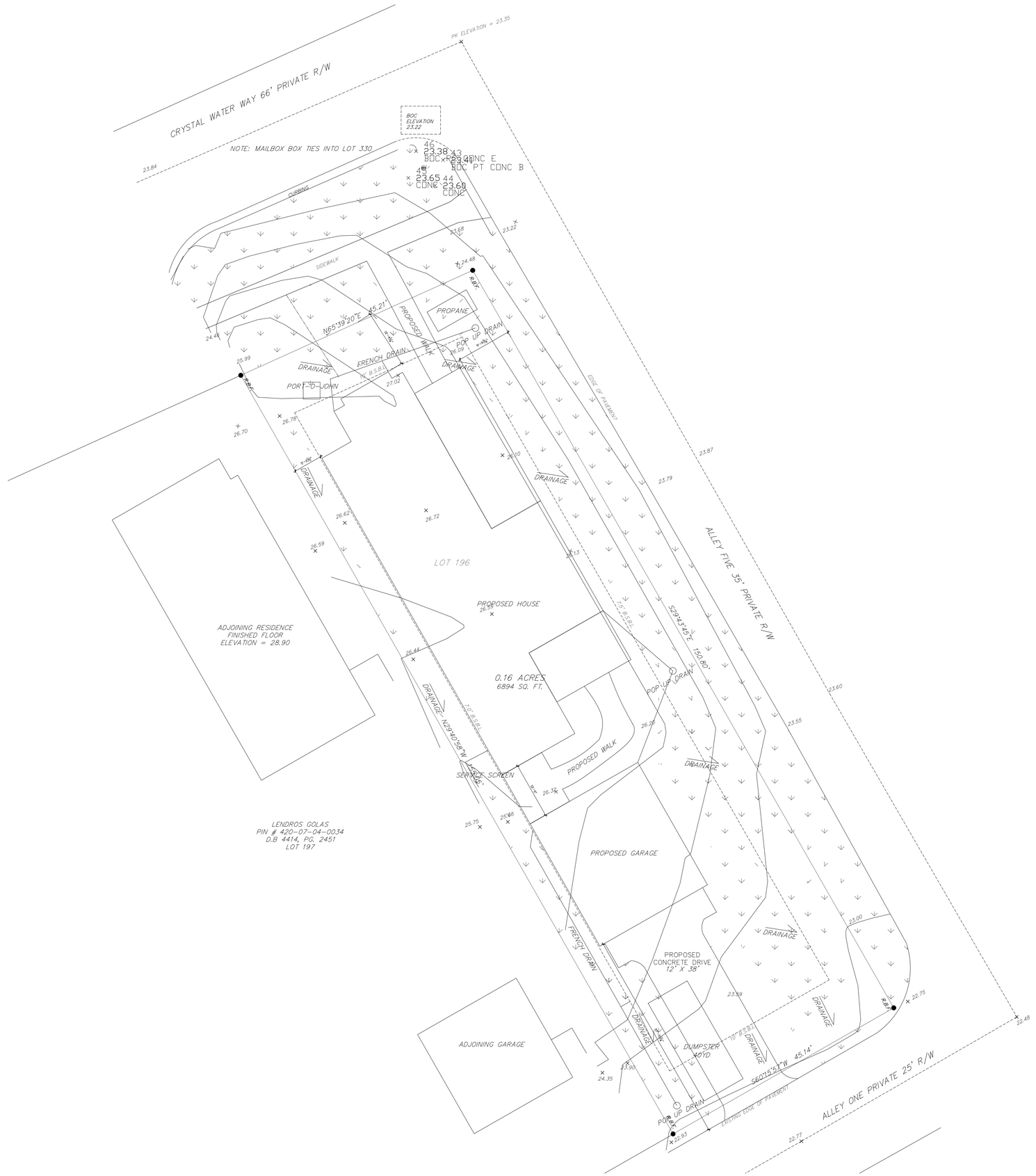
LOT SURVEY FOR

LUKE' WILCOX

EXISTING SITE PLAN

1" = 10'

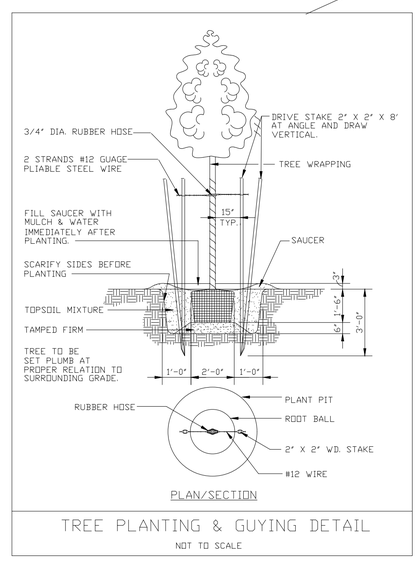
DRAWING NAME:



PROPOSED SITE PLAN

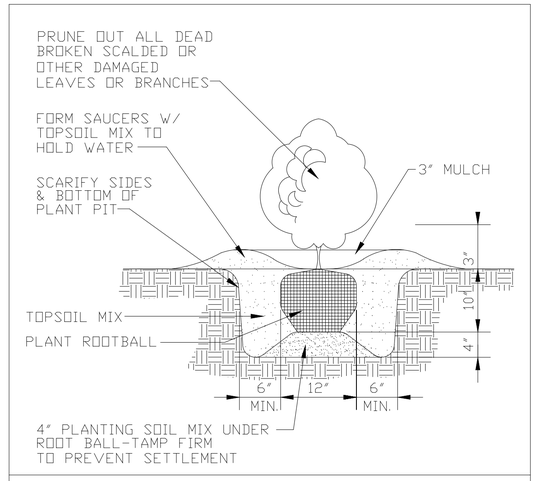
1" = 10'

DRAWING NAME:



TREE PLANTING & GUYING DETAIL

NOT TO SCALE



TYPICAL PLANTING DETAIL

NOT TO SCALE

NOTE: ALL PLANTINGS MUST BE 24" TALL (MIN.) AT PLANTING & 48" O.C.(MAX)

SYMBOL	COMMON NAME	SIZE
ILEVO	YAUPON HOLLY	7 GAL (MIN. 2' TALL)
LAGN	CRAPE MYRTLE	15 GAL (MIN. 2' TALL)
LIGJ	LIGUSTRUM	7 GAL (MIN. 2' TALL)
	SWEET GRASS	3 GAL (MIN. 2' TALL)
	SALVIA	FLATS
	EURO PALM	7 GAL (MIN. 2' TALL)
	LIVE OAK	30 GAL (MIN. 6' TALL)

NOTE: ALL PLANTINGS MUST BE 24" TALL (MIN.) AT PLANTING & 48" O.C.(MAX)

LEGEND:

IRRIGATION LINE

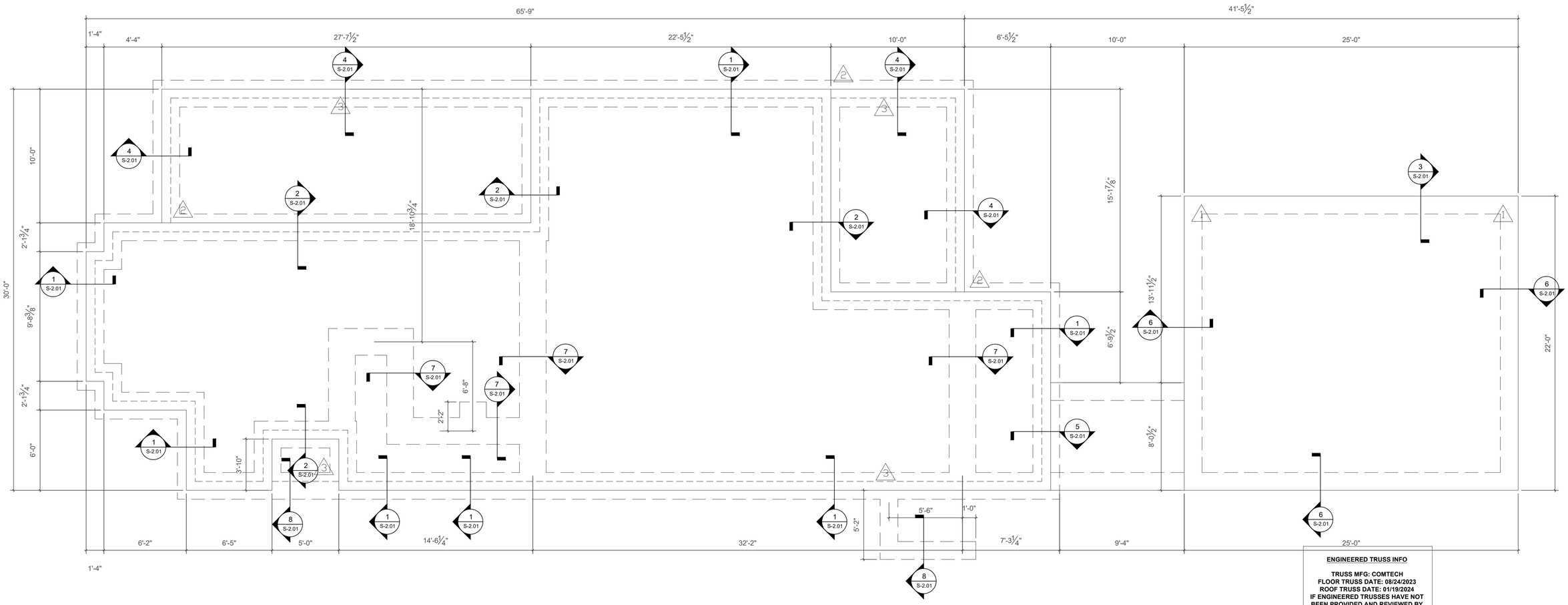
IRRIGATION HEAD

NOTE: CENTIPEDE SOD MUST BE INSTALLED TO THE STREET

PROPOSED LANDSCAPE PLAN

1" = 10'

DRAWING NAME:



ENGINEERED TRUSS INFO

TRUSS MFG: COMTECH
FLOOR TRUSS DATE: 08/24/2023
ROOF TRUSS DATE: 01/19/2024
IF ENGINEERED TRUSSES HAVE NOT BEEN PROVIDED AND REVIEWED BY ENGINEER OF RECORD, THEN ANY CONSTRUCTION WILL BE AT THE CONTRACTORS RISK.

1 HTT5 AT ENDS OF SHEAR WALL

2 INSTALL BEAM POCKET OR HUC410 SEE SECTION 4/S2.01 FOR BEAM SIZE

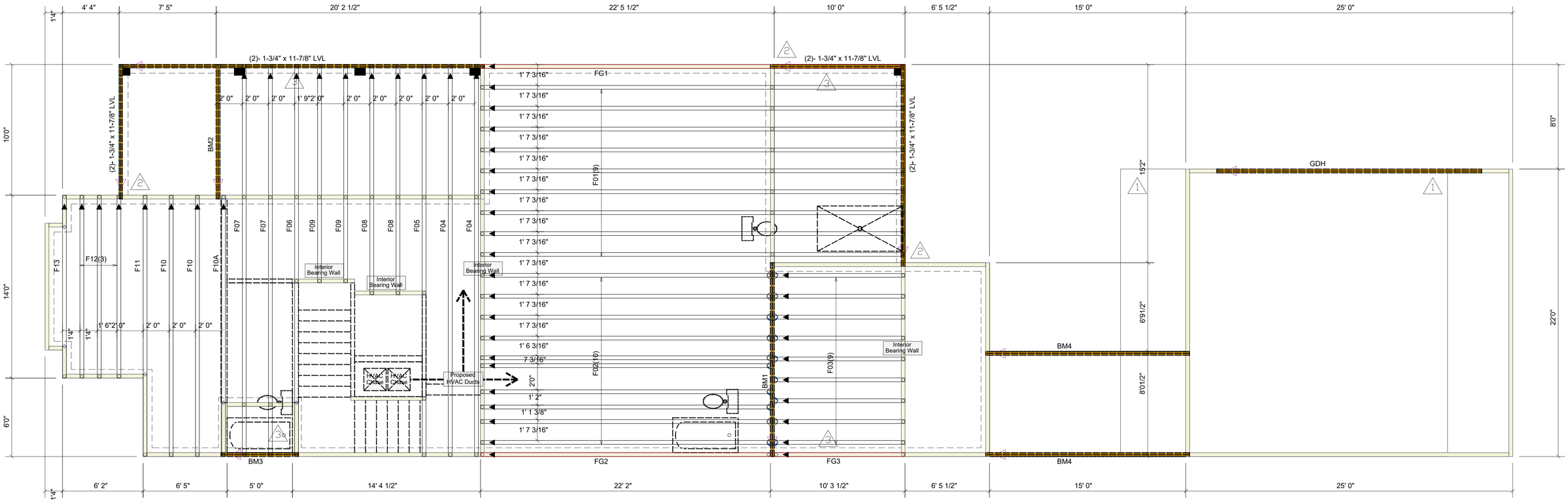
3 HTT5/(3)-2x/LTG2 @ GIRDER

CONTRACTOR SHALL VERIFY ROOF TRUSS BEARING LOCATIONS AND MODIFY THICKENED SLAB. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN FOUNDATIONS AND TRUSS PLANS PRIOR TO PLACEMENT OF CONCRETE.

ALL EXTERIOR UNBRACED WALLS OVER 10 FOOT SHALL BE BALLOON FRAMED WITH 2 X 6

CONTROL JOINTS SHALL BE INSTALLED IN ACCORDANCE WITH ACI 302.1 GUIDELINES, NO MORE THAN 10 FEET APART IN ANY DIRECTION.

FOUNDATION PLAN



PlumbingDropNotes
1.Plumbingdroplocationsshownare NOTexact. 2.ContractortoverifyALLplumbingdrop locationspriortosettingFloor Trusses. 3.Adjustspacingasneededsnottoexceed24"oc.

DimensionNotes
1.Allexteriorwalltowalldimensionsareto faceofstudunlessnotedotherwise 2.Allinteriorwalldimensionsaretofaceof studunlessnotedotherwise 3.Allexteriorwalltotrussdimensionsareto faceofstudunlessnotedotherwise

AllWallsShownAre ConsideredLoadBearing

ConnectorInformation				NailInformation	
Sym	Product	ManufQty	Supported Member	Header	Truss
	HUS410	USP 19	NA	16d/3-1/2"	16d/3-1/2"

▲ =IndicatesLeftEndofTruss (ReferenceEngineeredTrussDrawing) DoNotErectTrussesBackwards

Beam Schedule					
PlotID	Length	Product	Plies	Net Qty	Fab Type
GDH	21' 0"	1-3/4"x 11-7/8" LVL Kerto-S	2	2	FF
BM4	16' 0"	1-3/4"x 11-7/8" LVL Kerto-S	2	4	FF
BM3	6' 0"	1-3/4"x 14" LVL Kerto-S	2	2	FF
BM1	15' 0"	1-3/4"x 16" LVL Kerto-S	2	2	FF
BM2	11' 0"	1-3/4"x 16" LVL Kerto-S	2	2	FF

WALLSCHEDULE

- 1stFloorWalls
- 2ndFloorWalls
- Non-BearingWalls
- GarageWallsDropped

ENGINEERED TRUSS INFO

TRUSS MFG: COMTECH
FLOOR TRUSS DATE: 08/24/2023
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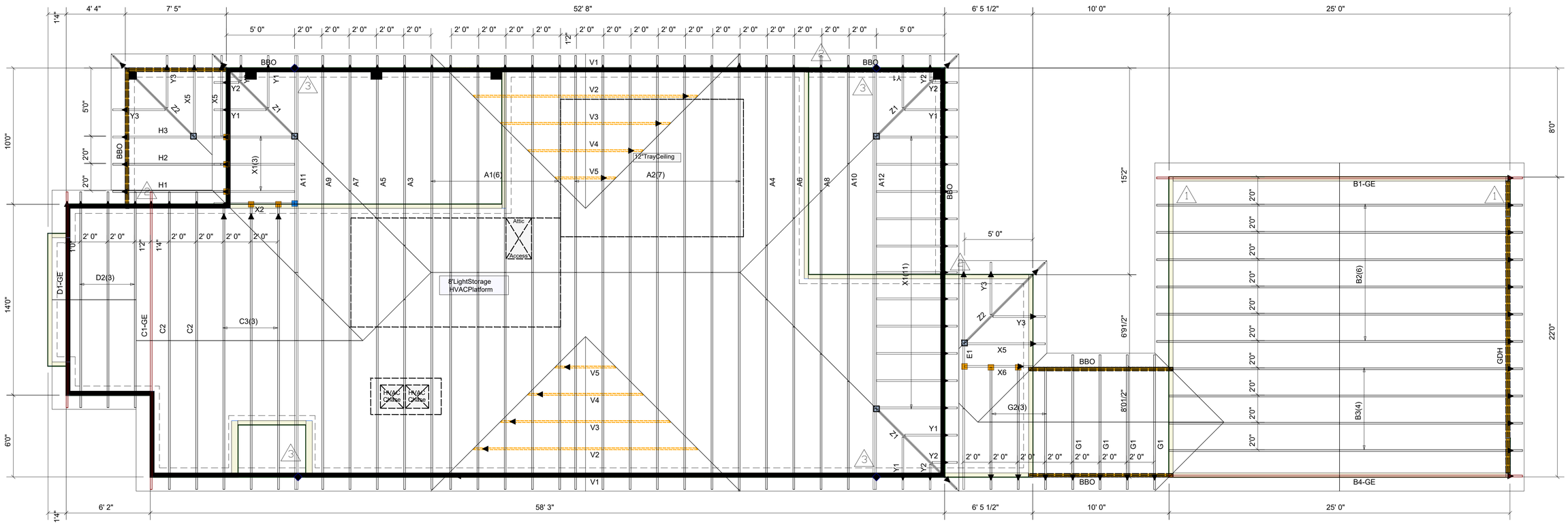
FLOOR FRAMING PLAN



RoofArea	=3479.21sq.ft.
RidgeLine	=87.58ft.
HipLine	=106.94ft.
Horiz.OH	=272.67ft.
RakedOH	=198.81ft.
Decking	=120sheets

DimensionNotes
1.Allexteriorwalltowalldimensionsareto faceofstudunlessnotedotherwise
2.Allinteriorwalldimensionsaretofaceof studunlessnotedotherwise
3.Allexteriorwalltotrussdimensionsareto faceofstudunlessnotedotherwise

AllWallsShownAre ConsideredLoadBearing

ConnectorInformation					NailInformation	
Sym	Product	ManufQty		Supported Member	Header	Truss
	HJC26	USP	5	Varies	16d/3-1/2"	10d/3"
	HUS26	USP	1	NA	16d/3-1/2"	16d/3-1/2"
	JUS26	USP	8	NA	10d/3"	10d/3"
	HTW20	USP	4	NA	10d/1-1/2"	10d/3"

Beam Schedule					
PlotID	Length	Product	Plies	Net Qty	Fab Type
BM3	6' 0"	1-3/4"x 14" LVL Kerto-S	2	2	FF
GDH	22' 0"	1-3/4"x 16" LVL Kerto-S	2	2	FF
BM1	15' 0"	1-3/4"x 16" LVL Kerto-S	2	2	FF
BM2	11' 0"	1-3/4"x 16" LVL Kerto-S	2	2	FF

▲ =IndicatesLeftEndofTruss (ReferenceEngineeredTrussDrawing) DoNotErectTrussesBackwards

WALLSCHEDULE

- 1stFloorWalls
- 2ndFloorWalls
- Non-BearingWalls
- GarageWallsDropped

ENGINEERED TRUSS INFO

TRUSS MFG: COMTECH
FLOOR TRUSS DATE: 08/24/2023
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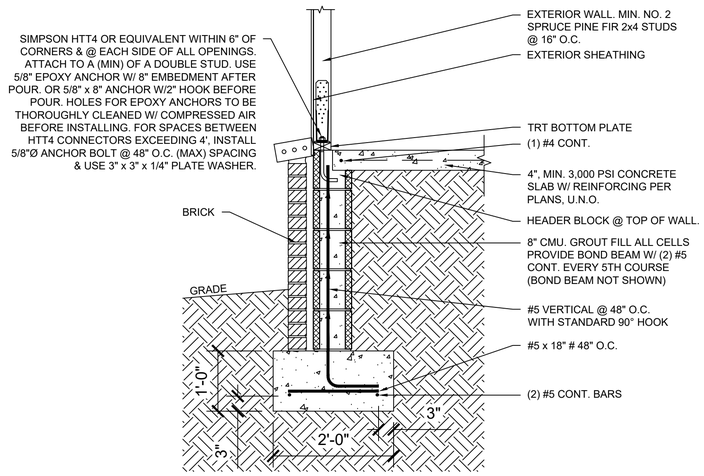
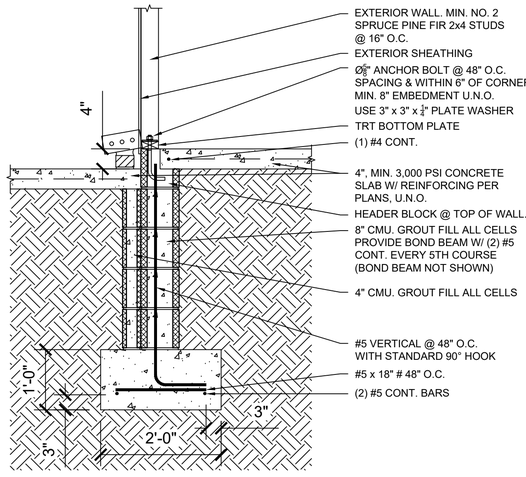
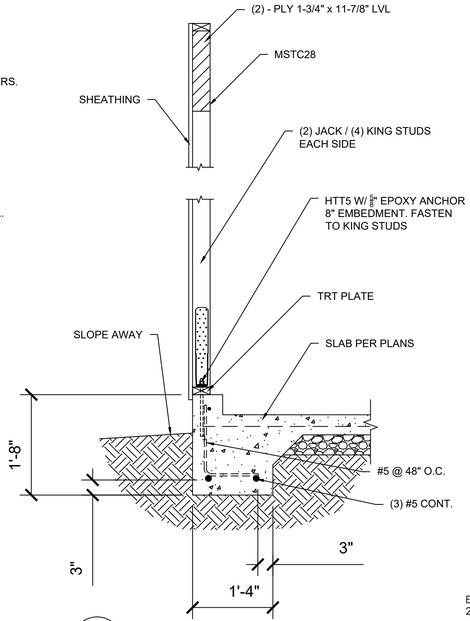
ROOF FRAMING PLAN



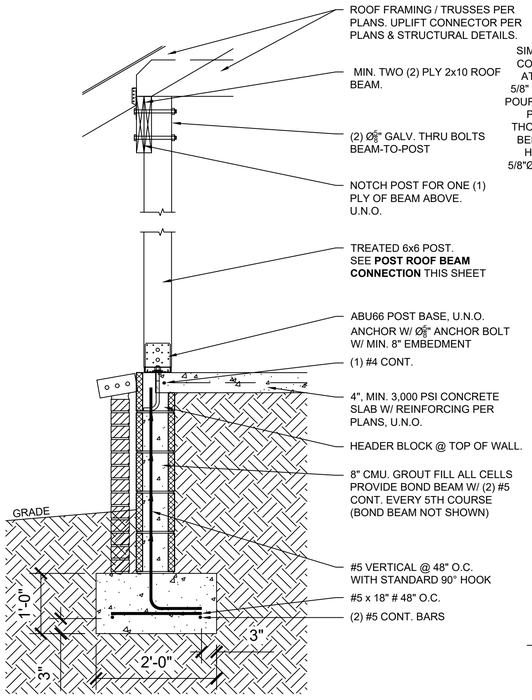
1 (TYP.) FOOTING SECTION
S2.01 SCALE: 3/4" = 1'-0"



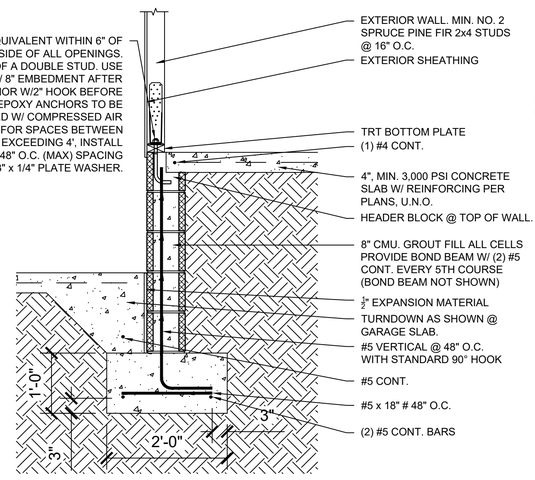
2 SECTION @ PORCH
S2.01 SCALE: 3/4" = 1'-0"



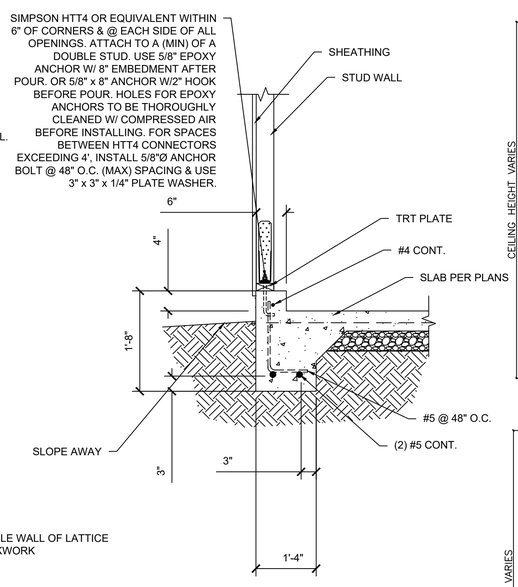
3 (TYP.) GARAGE PORTAL
S2.01 SCALE: 1/2" = 1'-0"



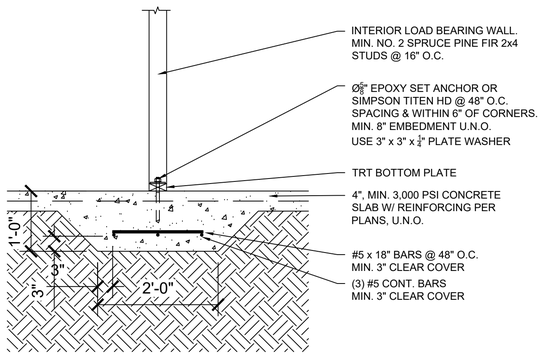
4 (TYP.) PORCH SECTION
S2.01 SCALE: 3/4" = 1'-0"



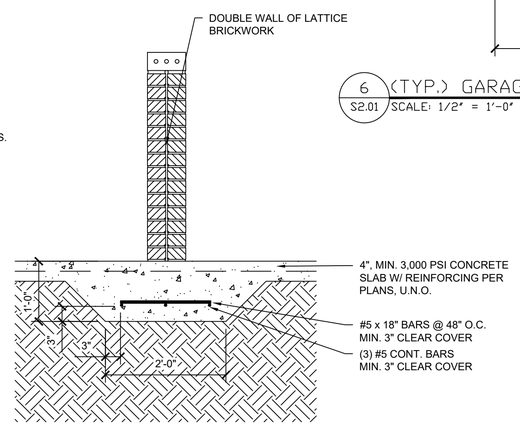
5 SECTION @ BREEZEWAY INTERIOR
S2.01 SCALE: 3/4" = 1'-0"



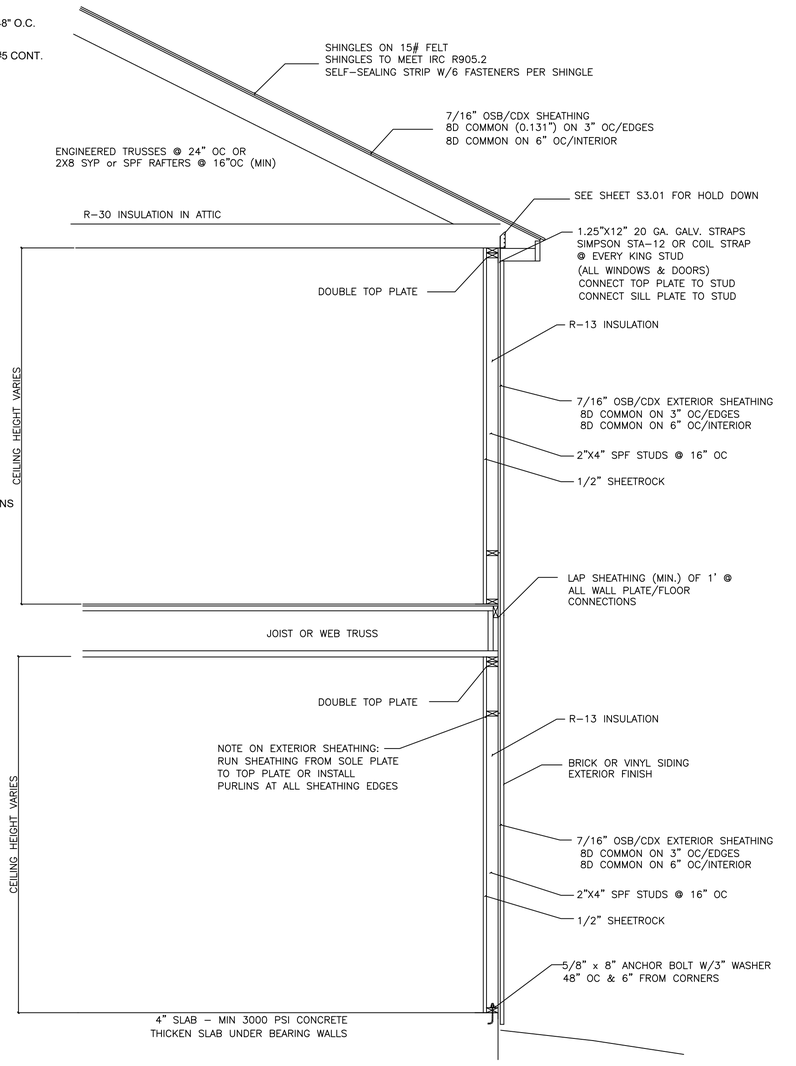
6 (TYP.) GARAGE SECTION
S2.01 SCALE: 1/2" = 1'-0"



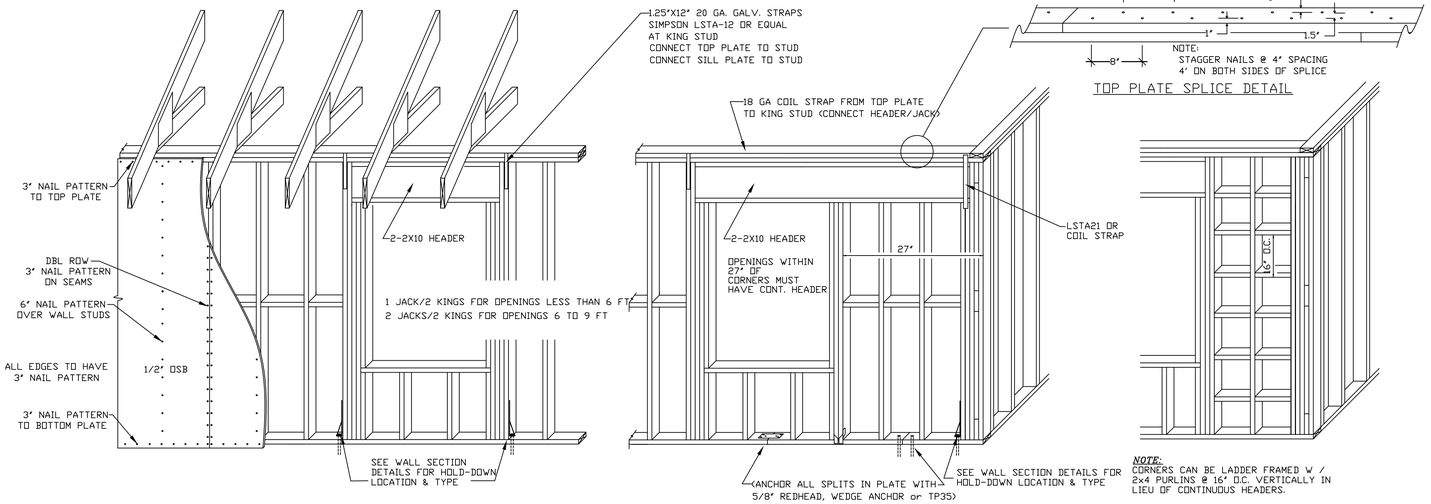
7 SECTION @ INTERIOR FOOTING
S2.01 SCALE: 3/4" = 1'-0"



8 SECTION @ HVAC SCREEN
S2.01 SCALE: 3/4" = 1'-0"



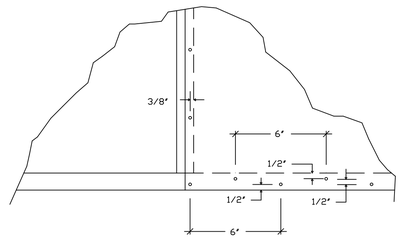
TYPICAL 2 STORY SECTION
SCALE: NONE



GENERAL CONSTRUCTION DETAILS
SCALE: NONE

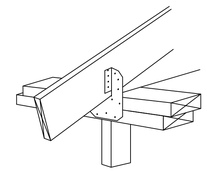
NOTE:
USE SIMPSON H10/H10-2 , H14 OR EQUAL TO CONNECT TOP PLATE (TOP AND BOTTOM OF DRAG STRUT) TOGETHER IF WALL SHEATHING DOES NOT REACH TOP OF TOP PLATE. SIMPSON LSTA12 OR EQUAL CAN BE USED TO CONNECT TOP PLATE TO WALL.

TOP PLATE SPLICE DETAIL



DBL. NAIL EDGE SPACING DETAIL
SCALE: NONE

NOTE:
CORNERS CAN BE LADDER FRAMED W / 2x4 PURLINS @ 16' O.C. VERTICALLY IN LIEU OF CONTINUOUS HEADERS.

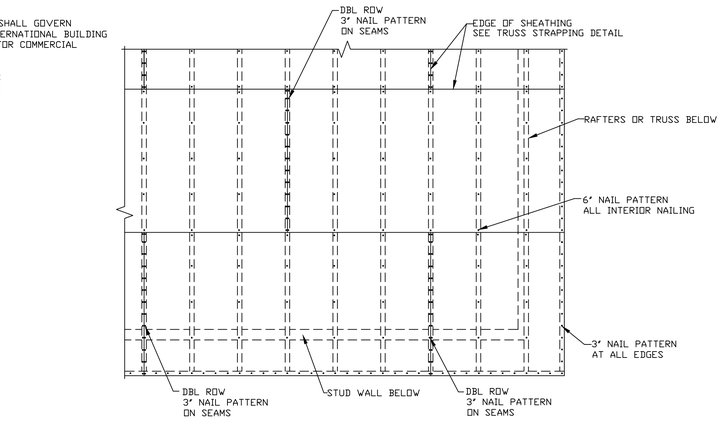


SIMPSON STRONG TIE OR EQUAL
H-10A FOR UPLIFT LOADS TO 780 LBS
H-14 FOR UPLIFT LOADS TO 1050 LBS
H-16 FOR UPLIFT LOADS TO 1256 LBS

NOTE:
CAN BE ON INSIDE OF WALL FOR ROOF TRUSSES.

TRUSS STRAPPING DETAIL
SCALE: NONE

SHEAR WALL CORNER DETAIL
SCALE: NONE



ROOF NAILING PATTERN
SCALE: NONE

STRUCTURAL NOTES: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS WITH ARCHITECTURAL FLOOR PLANS PRIOR TO CONSTRUCTION. ARCHITECTURAL FLOOR PLANS SHALL GOVERN DIMENSIONS, AND ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY. RESIDENTIAL PROJECTS ARE DESIGNED TO MEET REQUIREMENTS OF 2021 INTERNATIONAL BUILDING CODE FOR WIND AND SEISMIC LOADS. WIND DESIGN BASED ON 150 MPH LOADING, EXPOSURE 'B'. (BASED ON V3s, ASCE 7-16 AND 2021 INTERNATIONAL BUILDING CODE FOR COMMERCIAL PROJECTS). SEISMIC DESIGN CATEGORY D1. WINDOWS AND DOORS SHALL HAVE A RATING OF DP45.

SOIL: FOUNDATION DESIGN BASED ON MINIMUM BEARING CAPACITY OF 2000 PSF. CONTRACTOR TO VERIFY SOIL CONDITIONS PRIOR TO PLACEMENT OF CONCRETE. ORGANIC SOILS TO BE REMOVED AND STRUCTURAL FILL PLACED AND COMPACTED PRIOR TO CONCRETE PLACEMENT. CONTRACTOR TO NOTIFY OWNER IF SOIL CONDITIONS DO NOT HAVE ADEQUATE BEARING CAPACITY. INSTALL 10 MIL POLYETHYLENE VAPOR BARRIER BETWEEN SOIL & CONCRETE SLAB. TREAT SOIL FOR TERMITES PRIOR TO PLACEMENT OF CONCRETE. PREPARE BY REMOVING ORGANIC/EXPANSIVE SOILS AND COMPACTING TO 95% PROCTOR DRY DENSITY. ROOF DEAD LOAD = 10 PSF, ROOF LIVE LOAD = 20 PSF. 10 . ALL WOOD STUDS SHALL BE SOUTHERN YELLOW PINE OR SPF, GRADE 1 OR 2. . ALL METAL CONNECTIONS SHALL BE SIMPSON OR APPROVED EQUAL.

REINFORCING STEEL: ALL CONVENTIONAL REINFORCING STEEL SHALL HAVE A MINIMUM YIELD STRENGTH OF 60,000 PSI AND CONFORM TO ASTM A-615 GRADE 60. ALL REBAR SHALL MAINTAIN 3" CONCRETE COVER.

CONCRETE:
CONCRETE STRENGTH: ALL CONCRETE SHALL BE NORMAL WEIGHT UNLESS OTHERWISE NOTED AND SHALL ATTAIN A 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI.
MIXES: ALL CONCRETE MIXES SHALL BE DESIGNED BY THE SUPPLIER TO MEET THE REQUIREMENTS SET FORTH HEREIN.
SLUMP: MAXIMUM ALLOWABLE SLUMP FOR CONCRETE SHALL BE 4" UNLESS OTHERWISE NOTED OR APPROVED. IF HIGHER SLUMP IS DESIRED TO INCREASE WORKABILITY, CONTRACTOR SHALL CONSULT WITH CONCRETE SUPPLIER ABOUT USING A CONCRETE ADDITIVE THAT WILL INCREASE SLUMP WITHOUT INCREASING WATER/CEMENT RATIO OF THE CONCRETE. THE CONTRACTOR SHALL VERIFY THAT ANY CONCRETE ADDITIVES WILL NOT HAVE ANY DETRIMENTAL EFFECTS ON EMBEDDED ITEMS, FINISHES INDICATED ON PLANS OR LIKELY FUTURE FINISHES.
FINISHING: FINISHING OF CONCRETE SHALL BE IN ACCORDANCE WITH ACI 301 (LATEST EDITION).
CURING: BEGINNING IMMEDIATELY AFTER PLACEMENT, CONCRETE SHALL BE PROTECTED FROM PREMATURE DRYING, EXCESSIVELY HOT OR COLD TEMPERATURES, AND MECHANICAL INJURY AND SHALL BE MAINTAINED WITH MINIMAL MOISTURE LOSS AT A RELATIVELY CONSTANT TEMPERATURE FOR THE PERIOD NECESSARY FOR THE HYDRATION OF THE CEMENT AND HARDENING OF THE CONCRETE. THE MATERIALS AND METHODS OF CURING SHALL CONFORM TO ACI 301.

CONCRETE MASONRY UNITS: ALL HOLLOW CONCRETE MASONRY UNITS SHALL BE GRADE N-1 NORMAL WEIGHT UNITS THAT CONFORM TO ASTM C 90. MINIMUM COMPRESSIVE STRENGTH OF THE CMU AT 28 DAYS SHALL BE 2500 PSI (NET AREA) WITH A MINIMUM COMPRESSIVE STRENGTH OF THE MASONRY ASSEMBLY 1500 PSI.

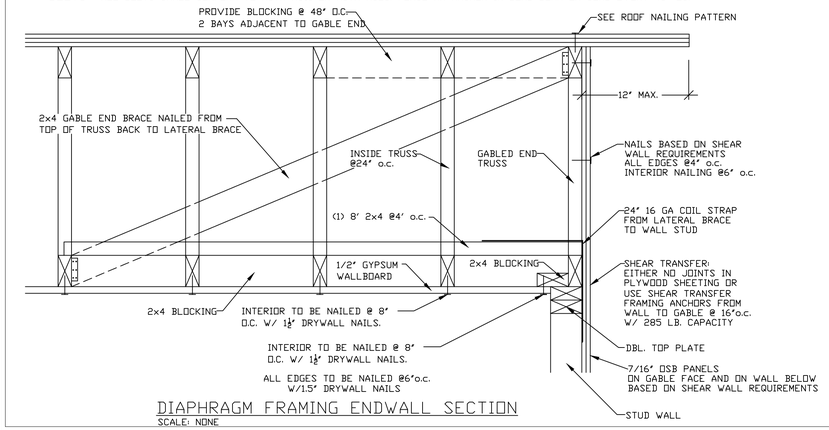
MORTAR: ALL MASONRY SHALL BE LAID WITH FULL MORTAR COVERAGE OF THE FACE CELLS AND WEBS AND FULL END JOINTS USING TYPE M OR TYPE S MORTAR. ALL MORTAR SHALL 20 CONFORM TO ASTM 270 (LATEST ED.).

CONCRETE GROUT: ALL FILLED CELLS OF MASONRY UNITS SHALL BE FILLED WITH CONCRETE GROUT (CMU BLOCKFILL) HAVING A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AND A 21 MAXIMUM SLUMP OF 9".

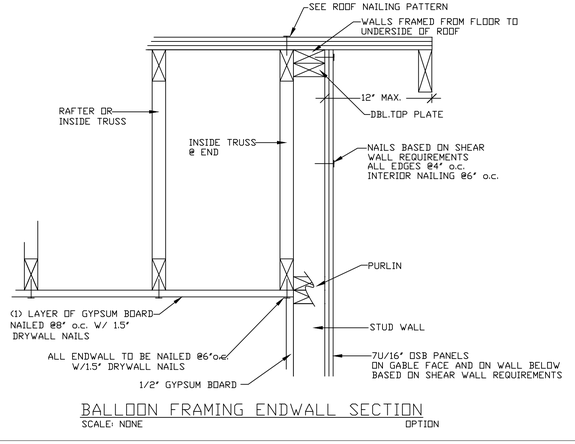
BLOCK PLACEMENT: ALL CELLS TO BE FILLED WITH CONCRETE SHALL BE AS STRAIGHT AS POSSIBLE. THE BLOCK SHOULD NOT BE STAGGERED SO AS TO CONSTRICT THE FLOW OF CONCRETE IN ANY WAY. THIS SHOULD BE ACCOMPLISHED BY PLACING PIECES OF BLOCK VERTICALLY BETWEEN FILLED CELLS IN NON-MODULAR SECTION OF WALL AND ABOVE AND BELOW NON-MODULAR MASONRY OPENINGS.

STRUCTURAL STEEL SHAPES: ALL STRUCTURAL STEEL HOT ROLLED SHAPES AND PLATES SHALL CONFORM TO ASTM A36 WITH A MINIMUM YIELD STRENGTH OF 36,000 PSI. ALL STEEL SHALL CONFORM TO AISC STANDARDS AND SPECIFICATIONS FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL.

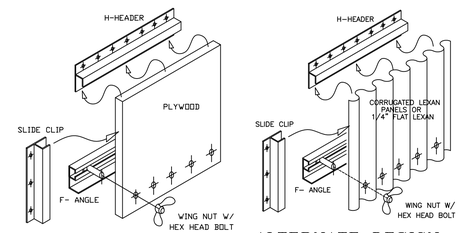
BOLTS: ALL BOLTS SHALL CONFORM TO ASTM A301 OR ASTM A325. PLACE AN ANCHOR IN BOND BEAM OR SLAB EVERY 48" OC.



DIAPHRAGM FRAMING ENDWALL SECTION
SCALE: NONE



BALLOON FRAMING ENDWALL SECTION
SCALE: NONE OPTION



ALTERNATE DESIGN

WINDOW TYPE	OPENING SIZE	HEADER & SILL REQ'D	SIDE CLIPS REQ'D
1	42X42	44"	2
1	42X90	44"	4
2	53X42	58"	2
3	42X90	58"	4
2	74X42	79"	2
3	74X90	79"	4
4	96X90	102"	4

OPENING SIZE	HEX FLANGE TAPCONS	HEX HEAD BOLTS	WIDE BASE WING NUTS
42X42	14	5	5
42X90	18	5	5
53X42	16	6	6
42X90	20	16	16
74X42	18	7	7
74X90	22	21	21
96X90	24	22	22

"FORTRESS" PLYWOOD STORM AND SECURITY PANEL (OR EQUAL)
ALUMINUM MOUNTING SYSTEM

NOTE:
1. SEE VENDOR INSTALLATION SPECIFICATIONS FOR ALL OTHER INFORMATION NOT PROVIDE HERE.
2. THIS SYSTEM IS DESIGN TO PROTECT AGAINST AIRBORNE DEBRIS AND COMPLY WITH IBC 1609.1.4.
3. ALL PLYWOOD PANEL SHALL BE MARKED WITH NUMBERS OR LETTERS FOR LOCATION FOR INSTALLING PANEL.
4. PLYWOOD PANEL AND INSTALLATION HARDWARE WILL BE STORED ON SITE IN A DRY AND UNOBSTRUCTED LOCATION.
5. WINDOWS SHALL BE PROTECTED BY PRECUT WOOD STRUCTURAL PANELS TO BE PROVIDED BY CONTRACTOR, IN ACCORDANCE WITH R.301.2.1.2 (IRC 2021 PANEL TO BE NUMBERED/ PREDRILLED FOR 2.5" WOOD SCREWS @ 16" OC (L.T. 8FT. SPAN). HARDWARE AND PANELS TO BE STORED ON SITE.

TYPICAL WINDOW PROTECTION DETAIL
SCALE: NONE

WINDOW DESIGN NOTE:
THIS DESIGN IS FOR ENCLOSED BUILDINGS. ALL OPENINGS SHALL BE PROTECTED AS SHOWN OR IMPACT GLASS SHALL BE INSTALLED.

MILLS R. EDWARDS JR.
Licensed Professional Engineer
413 Caspian Dr.
Myrtle Beach, South Carolina 29588
Phone: 843-855-4767

building & location is designed for this building only & shall not be copied, NOTE: The engineering applied to this altered or reproduced in anyway

Project Name
WILCOX STR
LOT 196
946 CRYSTAL WATER WAY
MYRTLE BEACH, SC

Drawn by: RDD

Revisions
DATE
10/27/2023
11/27/2023

Sheet
S3.01
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