PRODUCT DESIGN PRESSURE REQUIREMENTS ROOFS WITH MEAN ROOF HEIGHT OF 20'

	140 MPH	145 MPH	150 MPH
PRODUCT	EXP C	EXP C	EXP C
WINDOWS	36.12 psf	38.7 psf	41.28 psf
DOORS	33.54 psf	36.12 psf	38.7 psf
GARAGE DOOR (16x7)	28.38 psf	30.32 psf	32.25 psf
SIDING	36.12 psf	38.7 psf	41.28 psf

PRODUCT DESIGN PRESSURE REQUIREMENTS ROOFS WITH MEAN ROOF HEIGHT OF 30'

	140 MPH	145 MPH	150 MPH
PRODUCT	EXP C	EXP C	EXP C
WINDOWS	39.2 psf	42 psf	44.8 psf
DOORS	36.4 psf	39.2 psf	42 psf
GARAGE DOOR (16x7)	30.8 psf	32.9 psf	35 psf
SIDING	39.2 psf	42 psf	44.8 psf

PRODUCT DESIGN PRESSURE REQUIREMENTS ROOFS WITH MEAN ROOF HEIGHT OF 40'

	140 MPH	145 MPH	150 MPH
PRODUCT	EXP C	EXP C	EXP C
WINDOWS	41.7 psf	44.7 psf	47.7 psf
DOORS	38.74 psf	41.7 psf	44.7 psf
GARAGE DOOR (16x7)	32.8 psf	35 psf	37.25 psf
SIDING	41.7 psf	44.7 psf	47.7 psf

SHEARWALL LEGEND

Wall Type		Sheathing [in]		Fasteners		Spcg [in]		Framing Members [in]				Apply
Grp	Surf	Material	Thick	Size	Type	Edg	Fld	Blkg	Species	G	Spc	Notes
SW6	Ext	OSB/PLYWOOD	7/16	10d	Nail	6	12	yes	S-P-F	0.50	1'-4"	1,3
SW4	Ext	OSB/PLYWOOD	7/16	10d	Nail	4	12	yes	S-P-F	0.50	1'-4"	1,3
SW3	Ext	OSB/PLYWOOD	7/16	10d	Nail	3	12	yes	S-P-F	0.50	1'-4"	1,3
SW2	Ext	OSB/PLYWOOD	7/16	10d	Nail	2	12	yes	S-P-F	0.50	1'-4"	1,2*,3

Grp – Wall Design Group; **Surf** – Exterior or interior surface of exterior wall; **Spcg** – Edge or field nail spacing; **Blkg** – Blocked; **G** – Specific gravity; **Spc** – Wall stud spacing
Notes: (1.) Capacity has been reduced according to IBC specific gravity adjustment. (2)* Framing at adjoining panel edges shall be 3-inch nominal or wider, and nails shall be staggered where nails are 2" o.c. (3). Shear capacity for current design has been increased to the value for 15/32" sheathing with same nailing because stud spacing is 16" max. or panel orientation is horizontal.

EXTERIOR SHEARWALLS
ALL EXTERIOR WALLS SHALL BE FULLY SHEATHED USING WALL TYPE SW4 SHEARWALLS AND SHALL EXTEND TO THE ROOF FRAMING UNLESS NOTED OTHERWISE.

** INTERIOR SHEARWALLS
ALL INTERIOR SHEARWALLS SHALL EXTEND TO THE ROOF FRAMING ABOVE WITH A DOUBLE RAFTER DRAG STRUT AT THE TOP SEE DETAIL M1 WS2-2

ALL SHEARWALLS SHALL BE FULL HEIGHT FROM THE SOLE PLATE TO THE ROOF DIAPHRAGM.

CORROSION RESISTANT FASTENERS

GALVANIZED STEEL, STAINLESS STEEL, ALUMINUM OR COPPER

2x6 RAFTER SPAN FOR WIND LOADING 16"o.c. (FT) (IRC 2018)

		140 MPH	145 MPH	150 MPH
SPACING	ROOF SLOPE	EXP. C	EXP. C	EXP. C
SYP#2, 16" O.C.	0-3:12	9'-1"	8'-8"	8'-4"
SYP#2, 16" O.C.	4:12	9'-0"	8'-6"	8'-2"
SYP#2, 16" O.C.	5:12	8'-9"	8'-4"	7'-11"
SYP#2, 16" O.C.	6:12	8'-6"	8'-1"	7'-9"
SYP#2, 16" O.C.	7:12	10'-0"	9'-7"	9'-2"
SYP#2, 16" O.C.	8:12	9'-9"	9'-3"	8'-10"
SYP#2, 16" O.C.	9:12	9'-4"	8'-10"	8'-6"
SYP#2, 16" O.C.	10:12	9'-0"	8'-6"	8'-2"
SYP#2, 16" O.C.	11:12	8'-7"	8'-2"	7'-10"
SYP#2, 16" O.C.	12:12	8'-3"	7'-10"	7'-6"

HORIZONTAL RAFTER SPAN SHALL NOT EXCEED THE SPECIFIED RAFTER SPAN FOR WIND LOADING. RAFTERS SHALL BE BRACED TO A LOAD BEARING WALL OR MIN. 2-2x12 BEAM AND ANCHORED TO RESIST 400# PER RAFTER BRACE

2x8 RAFTER SPAN FOR WIND LOADING 16" o.c. (FT) (IRC 2018)

		140 MPH	145 MPH	150 MPH
SPACING	ROOF SLOPE	EXP. C	EXP. C	EXP. C
SYP#2, 16" O.C.	0-3:12	12'-5"	11'-11"	11'-4"
SYP#2, 16" O.C.	4:12	12'-2"	11'-8"	11'-2"
SYP#2, 16" O.C.	5:12	11'-10"	11'-4"	10'-10"
SYP#2, 16" O.C.	6:12	11'-6"	11'-0"	10'-7"
SYP#2, 16" O.C.	7:12	13'-7"	13'-1"	12'-6"
SYP#2, 16" O.C.	8:12	13'-2"	12'-8"	12'-1"
SYP#2, 16" O.C.	9:12	12'-7"	12'-1"	11'-7"
SYP#2, 16" O.C.	10:12	12'-2"	11'-8"	11'-2"
SYP#2, 16" O.C.	11:12	11'-7"	11'-2"	10'-8"
SYP#2, 16" O.C.	12:12	11'-2"	10'-9"	10'-3"

HOLDDOWN CONNECTOR LEGEND AND FOUNDATION NOTES

1. SIMPSON STHD14 CONNECTOR OR EQUIV. PLACED PRIOR TO FOUNDATION POUR ACCORDING TO DETAIL A1, OR SIMPSON HTT4 CONNECTOR OR EQUIV. PLACED AFTER POUR ACCORDING TO DETAIL A2,WINDSTORM DETAIL SHEET WS 1-2 4800#
2. SIMPSON HTT5KT CONNECTOR OR EQUIV. SET AFTER POUR ACCORDING TO DETAIL A2, WINDSTORM DETAIL SHEET WS 1-2 5500#
3. SIMPSON HDQ8-SDS3 CONNECTOR OR EQUIV. SET TO 4X4 POST AFTER POUR ACCORDING TO DETAIL A3, WINDSTORM DETAIL SHEET WS 1-2 7600#

ANCHOR BOLT NOTES:

- ANCHOR BOLTS SHALL BE 5/8" DIAMETER X 10" BOLTS PLACE 32" O.C. EMBEDDED 7" INTO SLAB.
- RETRO FIT BOLTS SHALL BE 5/8" DIA. AND HAVE A TENSION CAPACITY OF 1,300 LBS.

UPLIFT REQUIREMENTS

UPLIFT LOAD PATH MUST BE CONTINUOUS FROM THE ROOF TO THE FOUNDATION. ANCHORAGE POINTS AND ACCEPTABLE HURRICANE CONNECTORS PER TABLE 3, CS 1-1

-RAFTER AND STUD ANCHORAGE (PER MEMBER)-

	ANCHORAGE
RAFTER TO TOP PLATE:	600 LBS
TOP PLATE TO STUD:	600 LBS
STUD TO SOLE PLATE:	420 LBS

-HEADER ANCHORAGE-

HEADER STUDS TO HEADER AND SOLE PLATE:

OPENING SIZE	ANCHORAGE
3'	600 LBS
6'	1125 LBS

-OVERHANG ANCHORAGE-

	ANCHORAGE
RAFTER TO BEAM:	600 LBS
POST TO BEAM/ POST TO SLAB:	4,000 LBS

REVISED: 2018 IRC/IBC

HOLDDOWN CONNECTOR LEGEND FOR SECOND FLOOR

- HD 1 ▶ INDICATES 1-36" CS14 COIL STRAPS FROM DBL STUD PACK ABV TO STRINGER/PERP. BEAM/DBL STUD PACK BELOW SHEET WS2-2 (2,490#)
- HD 2 ▶ INDICATES 2-36" CS14 COIL STRAPS FROM DBL STUD PACK ABV TO STRINGER/ PERP. BEAM/ DBL STUD PACK BELOW SHEET WS2-2 (4,980#)
- HD 3 ▶ INDICATES 3-36" CS14 COIL STRAPS FROM DBL STUD PACK ABV TO STRINGER/ PERP. BEAM/ DBL STUD PACK BELOW SHEET WS2-2 (7,470#)
- HD 4 ▶ INDICATES MSTC52 (48 NAILS) STRAP FROM DBL STUD PACK ABV TO STRINGER/ PERP. BEAM/ DBL STUD PACK BELOW SHEET WS2-2 (4,610#)
- HD 5 ▶ INDICATES MSTC66 (68 NAILS) FROM DBL STUDS TO STRINGER/PERP. BEAM/DBL STUD PACK BELOW SHEET WS2-2 (5,850#)
- HD P ▶ INDICATES 2-LSTA12 FROM POST DIRECTLY TO STRINGER/ PERP. BEAM/ DBL STUD PACK BELOW

PROJECT INFORMATION:

TYPE OF PROJECT:
CLIMATE CONTROLLED STORAGE
BUILDER/ HOME OWNER:
ALLSIDES/WORRELL
PROJECT ADDRESS:
301 PECAN STREET
SWEENY, TEXAS

THE 2018 IRC WILL MEET OR EXCEED THE 2009/2012/2015 IRC CODE.

DESIGN CRITERIA/STANDARD:
2018 WOOD FRAME CONSTRUCTION MANUAL, CHAPTER 2 AND ASCE 7-16
ULTIMATE WIND SPEED: **145** MPH
EXPOSURE CATEGORY: C
DESIGN MEAN ROOF HEIGHT: **20'**

OTHER DESIGN CRITERIA:
ALL OTHER CONSTRUCTION SHALL BE PER CONSTRUCTION STANDARD SHEET CS 1-1, AND WINDSTORM DETAIL SHEETS WS 1-2 AND WS 2-2. WHERE THE CONSTRUCTION STANDARD AND THIS DOCUMENT VARY, THIS TEMPLATE SHALL TAKE PRECEDENCE. THIS DESIGN IS FOR WIND ONLY.

OTHER OR NON SPECIFIED CONSTRUCTION DETAILS, MATERIAL REQUIREMENTS AND LOADS SHALL BE PER THE 2018 INTERNATIONAL RESIDENTIAL CODE.

STATE OF TEXAS
BRUCE ANDERSON LEWIS
68721
REGISTERED
PROFESSIONAL ENGINEER
Bruce Anderson Lewis
5/24/24

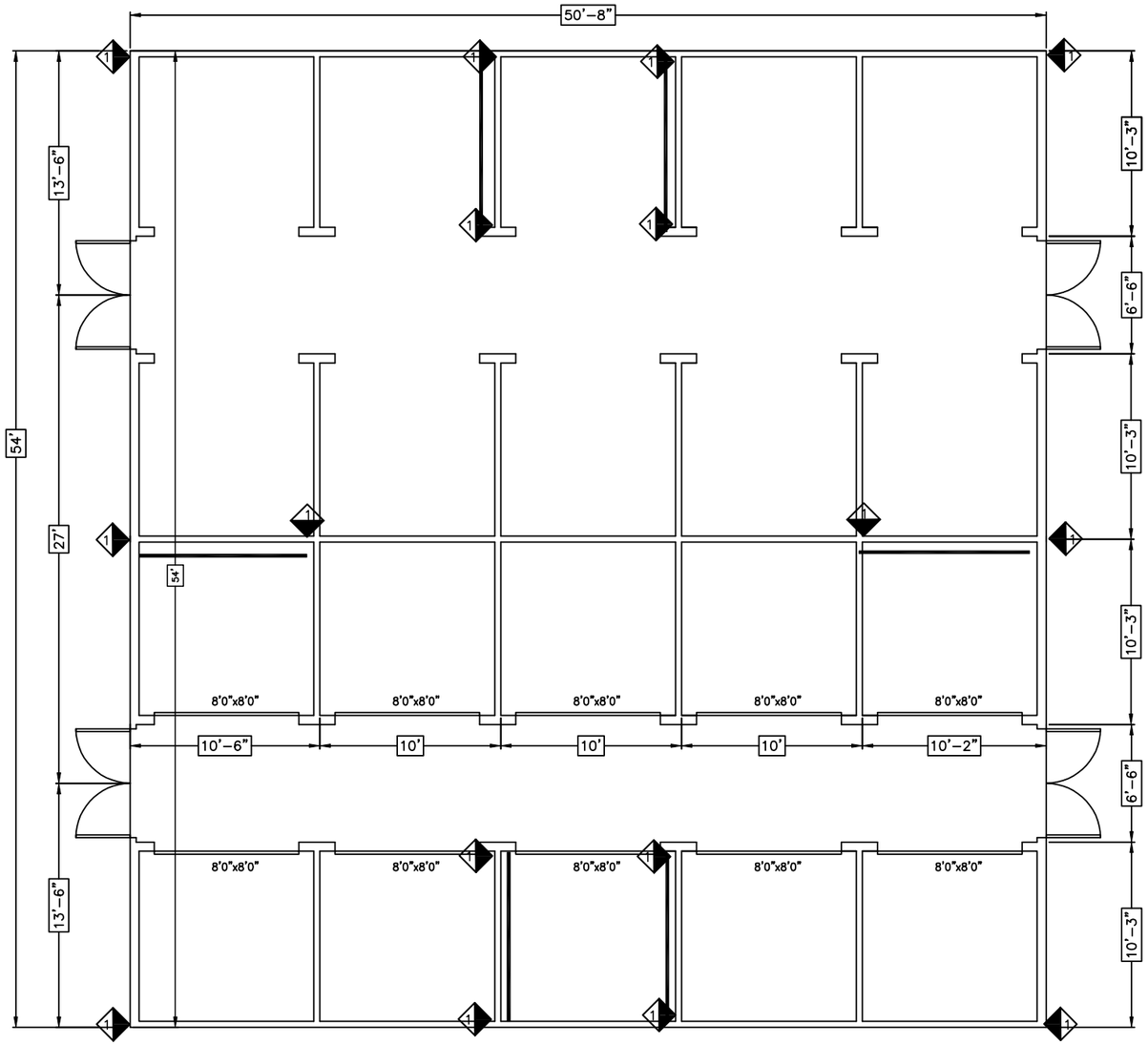
****THIS SHEET MUST REMAIN ATTACHED TO THE WINDSTORM DESIGN****

WWW.CBIWINDSTORM.COM
798 FM 517
ALVIN, TEXAS 77511
(281) 331-0788
REG# F-003193

COASTAL BUILDING INSPECTIONS
Coastal Building Inspections Engineering WINDSTORM
F-003193

COVER SHEET

PLEASE NOTE THAT ANY CHANGE TO THE DESIGN AFTER ENGINEERING HAS BEEN COMPLETED WILL RESULT IN A MINIMUM REVISION FEE OF $500.00



FLOOR PLAN

WWW.CBIWINDSTORM.COM
798 FM 517
ALVIN, TEXAS 77511
(281) 331-0788
REG# F-003193

COASTAL BUILDING INSPECTIONS

Coastal Building Inspections
Engineering WINDSTORM
F-003193

WINDSTORM DESIGN PLANS

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STATE OF TEXAS
BRUCE ANDERSON LEWIS
68721
REGISTERED
PROFESSIONAL ENGINEER

5/24/24

CUSTOMER INFORMATION

ALLSIDES INSPECTIONS
CLIMATE CONTROLLED STORAGE

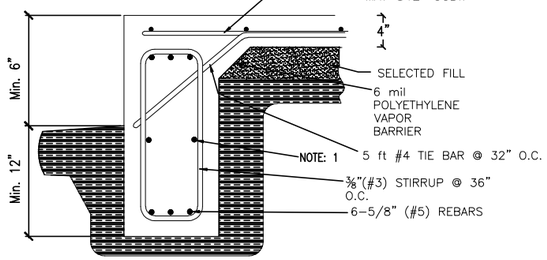
PROJECT INFORMATION

WINDSTORM DESIGN PLAN – 145C
301 PECAN STREET
SWEENY
05/13/2024

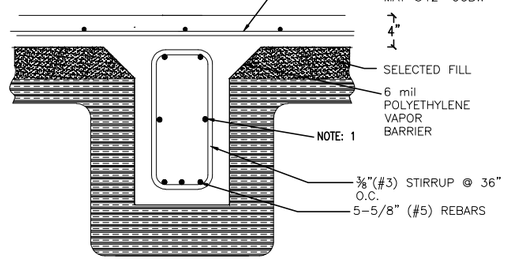
PLAN NO:
STORAGE

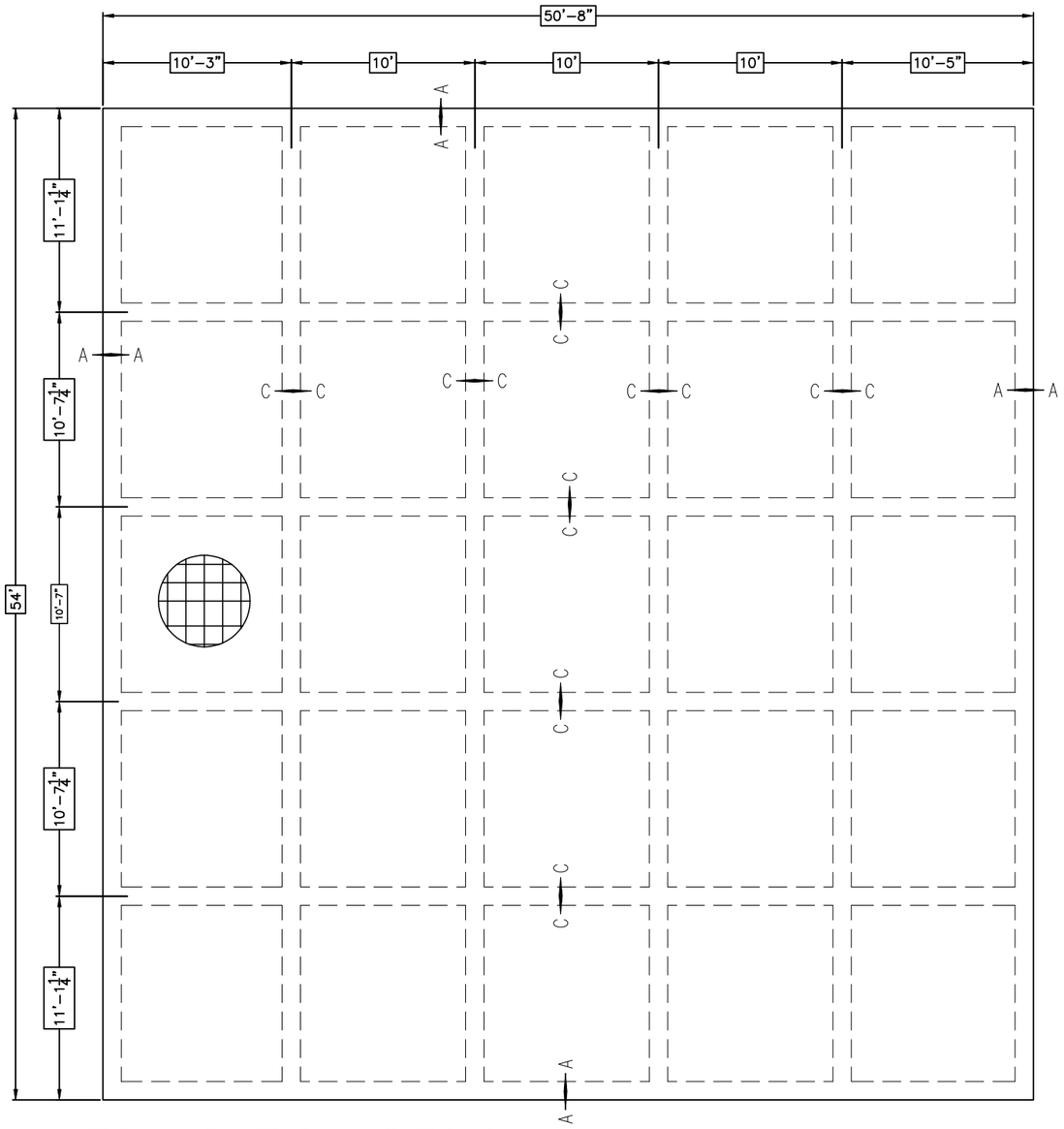
SHEET NO:
1-1

A — A PERIMETER BEAM



C — C INTERIOR BEAM





FOUNDATION DESIGN

All dimensions are to be verified for accuracy by Builder in the Field before placement of steel and concrete

- 4" 3,000 PSI CONCRETE SLAB REINFORCED WITH #3 ROD AT 12" O.C.E.W. SET ON SAND CHAIRS AT 36" O.C.E.W., OVER 6 MIL. POLY VAPOR BARRIER.

- 2" SELECT SAND CUSHION COMPACTED TO 95% PROCTOR OVER VEGETATION FREE SOIL.

- VERIFY ALL UNDER SLAB PLUMBING, ELECT. AND MECHANICAL REQUIREMENTS BEFORE POURING SLAB

- LOCATE HOLDOWNS AS SHOWN ON WINDSTORM PLAN.

- 5/8" X 10" ANCHOR BOLTS @ 32" O.C. MAX. AND 12" MAX. FROM END OF PLATE.

-4-#4 CORNER BARS @ EXTERIOR CORNERS

Beams: 12" min. x 28" deep with min. of 12" in undisturbed or 95% PI compacted soil unless otherwise specified

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COASTAL BUILDING INSPECTIONS

Coastal Building Inspections Engineering WINDSTORM

F-003193

WINDSTORM DESIGN PLANS

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CUSTOMER INFORMATION

ALLSIDES INSPECTIONS
CLIMATE CONTROLLED STORAGE

PROJECT INFORMATION

WINDSTORM DESIGN PLAN – 145C
301 PECAN STREET
SWEENY
05/13/2024

PLAN NO: STORAGE

SHEET NO: FDN

WINDSTORM FRAMING AND CONSTRUCTION REQUIREMENTS,

FOUNDATION NOTES:
1. CONCRETE SLAB SHALL HAVE A MIN. COMPRESSIVE STRENGTH OF 3,000 psi.
2. ANCHOR BOLTS SHALL BE MIN. 5/8" X 10" HEX HEAD OR J-BOLT WITH MIN. 2" x 2" x 1/8" OR 2" DIAMETER WASHER.
3. ANCHOR BOLTS SHALL HAVE A MINIMUM 7" EMBEDMENT
4. ANCHOR BOLT SPACING SHALL BE 32" O.C. FOR ALL EXTERIOR WALL SUPPORTING RAFTERS
5. ANCHOR BOLT SHALL BE PLACED 4-3/8 to 12" FROM CORNERS, ENDS OF PLATES AND DOORS OPENINGS WITH A MINIMUM OF 2 ANCHOR BOLTS PER SEGMENT.
6. 5/8" DIA. ANCHOR BOLTS SHALL BE SPACED 5' O.C. FOR INTERIOR SHEARWALLS.
7. RETROFIT ANCHOR BOLTS (NON-HOLDDOWN LOCATIONS) SHALL BE MIN. 5/8" DIA. AND PROVIDE A MIN. PULL OUT CAPACITY OF 1,300 LB..
8. WHERE SPECIFIED BY THE WINDSTORM DESIGN PLAN, PRE-MANUFACTURED SHEAR PANELS SHALL BE INSTALLED ACCORDING TO THE MANUFACTURES INSTALLATION INSTRUCTION AND THE WINDSTORM DESIGN PLAN. FOUNDATION FOOTING SIZE AND TEMPLATE INSTALLATION SHALL BE INSPECTED PRIOR TO PLACEMENT OF CONCRETE.

HOLDDOWN INSTALLATION NOTES:
1. HOLDDOWN CONNECTORS SHALL BE INSTALLED AT ALL CORNERS, GARAGE DOOR OPENINGS, INTERIOR SHEARWALLS AND AS REQUIRED BY THE WINDSTORM DESIGN PLAN.
2. ACCEPTABLE HOLDDOWN CONNECTORS SHALL BE PER W/S DESIGN PLANS
3. HOLDDOWN CONNECTORS MAY BE INSTALLED ONTO ANY FACE OF THE CORNER AS LONG AS THE VERTICAL LOAD PATH IS CONTINUOUS.
4. HOLDDOWN CONNECTORS SHALL BE INSTALLED ACCORDING TO DETAIL A1, A2 & A3 AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
5. WHERE HD1 CONNECTORS ARE MISSING OR MISS-INSTALLED, IT SHALL BE ACCEPTABLE TO INSTALL A RETROFIT CONNECTOR ACCORDING TO DETAIL A2
6. ANCHOR BOLTS FOR HOLDDOWN CONNECTORS SHALL BE INSTALLED WITH EPOXY ANCHORS ACCORDING TO CONNECTORS CAPACITY SEE DETAILS A2 & A3.
7. HOLDDOWN CONNECTOR UPLIFT LOAD PATH SHALL BE CONTINUOUS FROM 2ND FLOOR TO FOUNDATION.
8. SEE **DETAIL E5** FOR HD1 WHERE HOLDDOWNS ARE ALIGNED VERTICALLY. SEE **DETAIL E6**. FOR OFFSET CONDITION

STRAPS AND CLIPS:
1. METAL FRAMING CONNECTOR SUCH AS STRAPS, CLIPS AND HANGERS SHALL BE INSTALLED ACCORDING TO THE MANUFACTURERS INSTALLATION INSTRUCTIONS USING THE SPECIFIED NUMBER AND TYPE OF FASTENERS
2. CLIPS AND STRAPS SHALL FORM A CONTINUOUS LOAD PATH FROM THE RAFTER TO THE FOUNDATION.
3. FOR TYPICAL UPLIFT CONNECTIONS SEE **DETAIL B1**
4. REQUIRED CONNECTION CAPACITY AND ACCEPTABLE FRAMING ANCHORS SHALL BE AS PER TABLE 3, OR AS SPECIFIED BY THE WINDSTORM DESIGN PLANS.
5. ANCHOR EACH RAFTER WHERE IT BEARS ON A WALL TO THE DOUBLE TOP PLATE ACCORDING TO TABLE 3.
6. ANCHOR EACH FULL HEIGHT EXTERIOR WALL STUD TO THE TOP PLATE ACCORDING TO TABLE 3.
7. ANCHOR INTERIOR WALL STUDS CARRYING RAFTER BRACING TO THE TOP PLATE TO RESIST 400# UPLIFT.
8. ANCHOR 2ND FLOOR STUDS AND HEADER STUDS TO 1ST FLOOR STUDS WITH A MINIMUM OF 5 NAILS PER STUD ACCORDING TO TABLE 3.
9. FOR OFFSET 1ST AND 2ND FLOOR, ANCHOR STUDS AND HEADER STUDS ACCORDING TO **DETAIL B2**. WHERE FRAMING DOES NOT COMPLY WITH DETAIL, ANCHORAGE SHALL MAY BE PROVIDED BY CUTTING FLOOR AND ANCHORING TO PLATE BELOW.
10. ANCHOR TOP PLATE TO HEADER 16" O.C. ALONG HEADER ACCORDING TO TABLE 3.
11. ANCHOR HEADER TO HEADER STUDS ACCORDING TO TABLE 3. SEE **DETAIL B1**.
12. ANCHOR EACH FULL HEIGHT EXTERIOR WALL STUD, INTERIOR WALL STUD CARRYING RAFTER BRACING AND HEADER STUDS TO THE SOLE PLATE ACCORDING TO TABLE 3.
13. ANCHOR EACH GABLE STUD TO END RAFTER AT THE TOP AND BOTTOM. SEE **DETAIL F1,F2**
14. ANCHOR CEILING JOISTS TO TOP PLATE AND BEAMS AT PORCH/OVERHANG ACCORDING TO **DETAIL B3**.
15. OVERHANG SUPPORT BEAMS SHALL BE STRAPPED TO POSTS WITH 4 STRAPS (2 INSIDE/2 OUTSIDE) ACCORDING TO TABLE 3.
16. OVERHANG SUPPORT BEAMS SHALL BE ANCHORED TO THE STRUCTURE WITH 2 STRAPS ACCORDING TO TABLE 3. SEE **DETAIL B4**.
17. RIDGE STRAPS SHALL BE PROVIDED OVER RIDGES WITH 5 NAILS PER SIDE, SEE TABLE 3 FOR ANCHORAGE.
18. IN LIEU OF RIDGE STRAPS, COLLAR TIES MAY BE USED AT EACH RAFTER. SEE **DETAIL B5**.
19. STRAP HIP RAFTERS TO HIP OR OPPOSING HIP RAFTER AT ALL HIPS, SEE TABLE 3 FOR ANCHORAGE. OPPOSING RAFTERS MAY BE ANCHORED TO THE HIP RAFTER WITH 5 NAILS INTO EACH MEMBER.
20. BEAMS AND DOUBLE JOISTS CARRYING RAFTER BRACING SHALL BE STRAPPED AT EACH END TO RESIST 200 LBS UPLIFT FOR EACH BRACE SUPPORTED. LOAD PATH CONTINUOUS TO FOUNDATION.
21. PURLIN BRACES SHALL BE ANCHORED TO THE TOP PLATES, DOUBLE JOISTS OR 2-2x12 BEAM SUPPORTING THE BRACE.
22. WHERE A RAFTER CAN NOT BE FACE NAILED TO THE BRACE, AN LSTA STRAP SHALL BE USED TO ANCHOR THE RAFTER TO THE BRACE TO RESIST 400# UPLIFT.
23. CHIMNEY STUDS SHALL BE ANCHORED TO RAFTERS AND/ OR WALL STUDS BELOW TO RESIST 600 LBS. UPLIFT ACCORDING TO **DETAIL B6**.
24. DORMERS STUDS SHALL BE ANCHORED TOP DOUBLE RAFTERS ACCORDING TO **DETAIL B7**. LIVE DORMER WALL STUD SHALL BE STRAPPED AS FULL HEIGHT STUDS.
25. HORIZONTAL STRAPPING AT HEADERS AND SILLS SPECIFIED BY THE WINDSTORM DESIGN PLAN SHALL BE INSTALLED ACCORDING TO DETAIL **DETAIL B8 & B9**

PLYWOOD USED FOR SHEAR AND UPLIFT REQUIREMENT
26. WHERE SPECIFIED IN THE WINDSTORM DESIGN PLAN, FULL HEIGHT PLYWOOD/OSB MAY BE USED TO REPLACE STUD-TO-PLATE AND TOP PLATE-TO-HEADER STRAPPING WHEN INSTALLED ACCORDING TO **DETAIL C1**.
27. EACH RAFTERS AND RAFTER BRACING SHALL BE ANCHORED TO THE DOUBLE TOP PLATE ACCORDING TO TABLE 3.
28. STRAPPING SHALL BE PROVIDED ACCORDING TO TABLE 3 FOR ALL WINDOW AND DOOR HEADER STUDS
29. WHERE SPECIFIED BY THE WINDSTORM DESIGN TEMPLATE, PLYWOOD/OSB USED TO RESIST SHEAR AND UPLIFT SHALL BE FASTENED 3" O.C. @ PANEL EDGES AND 3"O.C. ALONG HEADERS AND THE LOWER MEMBER OF THE DOUBLE TOP PLATE. SEE **DETAIL C1**
30. PLYWOOD/OSB PANELS USED TO RESIST SHEAR AND UPLIFT SHALL BE CONTINUOUS FROM THE SOLE PLATE TO THE UPPER MEMBER OF THE DOUBLE TOP PLATE
31. PLYWOOD/OSB PANELS USED FOR UPLIFT RESISTANCE SHALL BE NORDBORD WINDSTORM OSB PANELS OR EQUIVALENT, AND HAVE THE FOLLOWING MINIMUM LENGTHS.

WALL HEIGHT	PANEL LENGTH
8'	97 1/8"
9'	109 1/8"
10'	121 1/8"

32. STANDARD LENGTH PLYWOOD/OSB SHALL NOT BE USED TO RESIST UPLIFT LOADS.
33. PLYWOOD SHALL BE USED TO RESIST SHEAR AND UPLIFT ONLY WHERE SPECIFIED. WHERE NOT SPECIFIED, CLIPS AND STRAPS SHALL BE USED PER THE UPLIFT REQUIREMENTS.

FRAMING NOTES AND LIMITATIONS:

GENERAL
1. FRAMING FASTENER SIZE AND SPACING SHALL BE PER TABLE 4 FOR ALL CONNECTIONS
2. FASTENERS SHALL BE CORROSION RESISTANT WHERE REQUIRED BY MUNICIPALITY OR TDI CODE AMENDMENT.

RAFTERS
3. RAFTERS SHALL BE MIN. 2x6 SYP. #3 MATERIAL OR EQUIV.
4. RAFTERS SHALL BE BRACED BY A PURLIN AND RAFTER BRACING TO MEET THE RAFTER SPANS SPECIFIED IN THE WINDSTORM DESIGN PLAN.
5. RAFTER BRACING AND PURLINS SHALL BE FRAMED ACCORDING TO **DETAIL D1**.
6. A RAFTER BRACE SHALL BE PROVIDED FOR EVERY OTHER RAFTER WHERE A BRACING LINE IS REQUIRED, AND AT LAPS OR SPLICES.
7. RAFTER SHALL BE BRACED TO INTERIOR WALLS OR A MIN 2-2X12 BEAM WHICH IS ANCHORED TO FRAMING BELOW
8. RAFTER BRACES SHALL BE NAILED IN SHEAR TO RAFTERS WITH 5 FRAMING FASTENERS.
9. LAPS IN RAFTERS SHALL BE MIN. 4' LONG FACE NAILED TOGETHER WITH 21 NAIL (3 ROWS OF 7 FASTENERS) ACCORDING TO **DETAIL D1**.
10. RAFTERS SHALL BE DOUBLED UNDER DORMER FRAMING.

COLLAR TIES:
11. MIN. 1x6 COLLAR TIES SHALL BE PROVIDED FOR EVERY OTHER SET OF RAFTERS LOCATED IN UPPER THIRD OF THE RAFTER FASTENED WITH 4 NAILS AT EACH END PER **DETAIL B5**

TOP PLATE
12. EXTERIOR WALLS AND INTERIOR SHEARWALLS SHALL HAVE A CONTINUOUS DOUBLE TOP PLATE OR THE PLATE SHALL BE SPLICED ACCORDING TO THIS SECTION.
13. TOP PLATES SHALL BE LAPPED A MINIMUM OF 4' AND FASTENED TOGETHER ACCORDING TO TABLE 4.
14. WHERE TOP PLATES ARE NOT CONTINUOUS, NOTCHED OR DO NOT MEET THE REQUIRED LAP LENGTH, AN LSTA STRAP OR CS16 COIL STRAP SHALL BE CENTERED IN EACH PLATE WITH 7 NAILS IN THE STRAP ON EACH SIDE OF THE JOINT.

WALL FRAMING
15. TYPICAL WALL FRAMING SHALL BE PER **DETAIL B1**
16. BALLOON FRAMING- WALL STUDS EXPOSED TO WIND LOADS SHALL BE CONTINUOUS FROM HORIZONTAL SUPPORT TO HORIZONTAL SUPPORT (FOUNDATION TO CEILING/ ROOF/FLOOR, OR FLOOR TO ROOF/CEILING)
17. LOAD BEARING STUDS WITH HEIGHT GREATER THAN 12' SHALL BE MINIMUM 2X6 SYP. # 2 LUMBER SPACED 12" O.C. OR AS SPECIFIED IN THE WINDSTORM DESIGN TEMPLATE
18. LOAD BEARING STUDS WITH HEIGHT GREATER THAN 10' SHALL BE SYP NO. 2 LUMBER.
19. 2X4 LOAD BEARING STUDS OF SPECIES OTHER THAN SYP SHALL BE LIMITED IN HEIGHT ACCORDING TO TABLE 3.20B OF THE WOOD FRAMED CONSTRUCTION MANUAL.
20. LATERALLY UNSUPPORTED PONY WALLS SHALL NOT BE USED FOR EXTERIOR WALLS.
21. DOUBLE STUDS SHALL BE PROVIDED WHERE HOLDDOWN CONNECTORS ARE SPECIFIED BY THE WINDSTORM DESIGN TEMPLATE
22. DOUBLE STUDS SHALL BE FASTENED TOGETHER ACCORDING TO TABLE 4 AND **DETAILS E2, E3 & E4**
23. STUDS CARRYING HOLDDOWN LOADS SHALL FORM A LINE FROM 1ST FLOOR HOLDDOWN CONNECTOR TO 2ND FLOOR HOLDDOWN CONNECTOR, OR AN ADDITIONAL HOLDDOWN CONNECTOR SHALL BE PROVIDED BELOW THE 2ND FLOOR HOLDDOWN. **SEE DETAILS E5 & E6.**
24. STUDS CARRYING HOLDDOWN LOADS SHALL NOT BE NOTCHED, OR CUT
25. BOX OUT WINDOWS SHALL BE FULLY SHEATHED AND ANCHORED TO THE HEADER STUD PER **DETAIL E7**
26. TYPICAL GARAGE DOOR JAMB FRAMING PER **DETAIL E8** U.N.O
27. SPECIAL RETURN DETAILS SHALL BE FRAMED ACCORDING TO **DETAIL E9**.
28. HEADER/TRIMMER STUDS SHALL BE DOUBLED FOR OPENINGS 6' OR LARGER.

GABLE END WALL FRAMING
29. GABLE END WALLS AND OFFSET GABLE ENDWALLS SHALL BE FRAMED ACCORDING TO **DETAIL F1 & F2**.
30. STRONG BACKS SHALL BE PROVIDED AT ALL GABLE END WALLS SPACED 4' O.C. AND FACE NAILED TO GABLE STUDS ACCORDING TO TABLE 4

FLOOR FRAMING
31. 2ND FLOOR SOLE PLATE SHALL BE FASTENED TO RIM/DECK ACCORDING TO TABLE 4
32. FLOOR SHEATHING SHALL BE MIN. 5/8" WOOD SHEATHING.
33. FLOOR SHEATHING PANEL COURSES SHALL BE STAGGERED 4'.
34. FLOOR SHEATHING SHALL BE FASTENED 6" O.C. ALONG PANEL EDGES AND 12" O.C. IN THE FIELD. FOR OFFSET FLOOR CONDITIONS, BLOCKING AT 1ST FLOOR PLATE SHALL BE CONSIDERED AND EDGE.
35. BAND/RIM JOIST SHALL BE MINIMUM 1" THICK BETWEEN 1ST STORY AND 2ND STORY PLATES (SOLID 2x BAND JOIST SHALL BE USED FOR NON-ENGINEERED FLOOR JOISTS).
36. OFFSET FLOOR FRAMING (BRICK POCKET) SHALL BE FRAMED ACCORDING TO **DETAIL E1 AND/OR B2**.
37. PROVIDE BLOCKING BETWEEN ALL FLOOR JOISTS OVER TOP PLATES @ OFFSET FRAMING AND ABOVE INTERIOR SHEARWALLS. ANCHOR BLOCKING TO 1ST FLOOR TOP PLATE W/ LTP4 CONNECTOR 12" O.C. OR EQUIV.
38. MODIFICATIONS TO THE FLOOR FRAMING INVOLVING THE WINDSTORM DESIGN SHALL BE AS SPECIFIED IN THE WINDSTORM DESIGN TEMPLATE.

SOFFIT FRAMING
39. SOFFIT OVERHANG TYPICAL FRAMING SHALL BE ACCORDING TO **DETAIL H1**.
40. LOOKOUT BLOCKS SHALL BE FRAMED ACCORDING TO **DETAIL H3**.
41. OUTLOOKERS SHALL BE FRAMED ACCORDING TO **DETAIL H2**

PORCH/OVERHANG FRAMING
42. OVERHANG SUPPORT POSTS SHALL BE MIN 4X4 SYP NO. 2 LUMBER (NO CEDAR).
43. HOLDDOWN CONNECTORS AT COLUMN BASES MAY BE NOTCHED INTO THE COLUMNS IN ORDER TO COVER WITH A MIN. 4" OF MATERIAL REMAINING TO FASTEN CONNECTOR
44. BUILT UP COLUMNS SHALL BE FRAMED ACCORDING TO **DETAIL I1**.
45. HOLLOW COLUMNS SHALL BE ANCHORED ACCORDING TO **DETAILS I2**.
46. OVERHANG SUPPORT POST MAXIMUM SPACING OF 12' U.N.O.
47. LOAD BEARING PORCH BEAMS SHALL BE MIN. 2-2X12's SYP NO. 2 LUMBER. U.N.O
48. PORCH BEAMS SHALL ANCHORED TO INTERSECTING WALLS ACCORDING TO **DETAIL B4**

SHEAR WALLS:
49. EXTERIOR WALLS AND GABLE END WALLS SHALL BE SHEARWALLS U.N.O.
50. INTERIOR SHEARWALLS SHALL BE LOCATED AS INDICATED BY THE WINDSTORM DESIGN PLAN.
51. ALL SHEARWALLS SHALL BE FULLY SHEATHED WITH MIN. APA RATED PLYWOOD/OSB SHEATHING WITH A MIN. THICKNESS OF 7/16"
52. SHEATHING MAY BE ORIENTED VERTICALLY OR HORIZONTALLY.
53. WALL SHEATHING SHALL BE CONTINUOUS FROM THE TOE PLATE TO THE UPPER MEMBER OF THE DOUBLE TOP PLATE WITH UNSUPPORTED HORIZONTAL PANEL EDGES BLOCKED.
54. WHERE SHEATHING IS NOT CONTINUOUS TO THE DOUBLE TOP PLATE, THE BOTTOM MEMBER OF THE TOP PLATE SHALL BE FACE NAILED FROM UNDERNEATH TO THE TOP MEMBER WITH 2-8D COMMON NAILS 6" O.C.
55. SHEARWALL FASTENERS SHALL BE MINIMUM 8D COMMON NAILS (0.131 X 2.5") OR AS SPECIFIED IN THE TABLE 3
56. SHEARWALLS SHALL BE FASTENED 4" O.C. ALONG ALL PANEL EDGES AND ALONG PANEL EDGES AND BLOCKING U.N.O.
57. SHEARWALLS SHALL BE FASTENED 12" O.C. IN THE FIELD U.N.O
58. SPECIAL RETURN DETAILS SPECIFIED BY THE WINDSTORM DESIGN PLAN SHALL BE CONSTRUCTED ACCORDING **DETAIL E9**. SPECIAL RETURN DETAILS SHALL PROVIDE THE MIN. WIDTH SPECIFIED BY THE WINDSTORM DESIGN PLAN.
59. FOR OFFSET FLOOR CONDITIONS (BRICK POCKET), WALL SHEATHING SHALL BE APPLIED ACCORDING TO **DETAIL E1**.
60. FOR STACKED FLOOR CONDITIONS, WALL SHEATHING SHALL BE APPLIED ACCORDING TO **DETAIL J1**.
61. SHEAR SHALL BE TRANSFERRED FROM ROOF AND FLOOR DIAPHRAGMS TO THE SHEARWALL BELOW.
62. EXTERIOR SHEARWALLS AND INTERIOR SHEARWALLS SHALL BE FASTENED TO A STRUT (FLOOR JOIST OR
63. BLOCKING) WITH A SIMPSON LTP4 OR EQUIVALENT EVERY 12" O.C. U.N.O. ACCORDING TO **DETAIL J2, J3 OR J4**.

ROOF DECK NOTES:
1. ALL ROOF SURFACES SHALL BE FULLY SHEATHED WITH APA RATED PLYWOOD/OSB SHEATHING WITH A MIN. THICKNESS OF 7/16".
2. PANEL COURSES SHALL BE STAGGERED 4'
3. EACH PANEL SHALL BE NAILED 4" O.C. TO RAFTERS AT PANEL EDGES AND 6" O.C. IN THE FIELD (FOR GABLE ENDS, THE GABLE RAFTER AND FLY BARG SHALL BE CONSIDERED AN EDGE).
4. FASTENERS SHALL BE MINIMUM 8D COMMON (0.131 X 2.5") OR AS SPECIFIED IN TABLE 4.

CHIMNEYS AND DORMERS:
1. CHIMNEYS AND DORMERS FRAMING SHALL BE FULLY SHEATHED WITH WOOD STRUCTURAL PANELS FROM THE TOP TO THE ROOF LINE.
2. WHERE DORMER WALL SHEATHING INTERSECTS THE ROOF LINE, THE JOINT SHALL BE BLOCKED ACCORDING TO DETAIL K1.

ROOF FELT NOTES:
1. ROOF FELT SHALL BE INSTALLED ACCORDING TO SECTION R905.1 OF THE 2018 IRC.
2. FOR ROOF SLOPES > 4:12 PROVIDE ONE LAYER OF FELT
3. LAPS SHALL BE PROVIDED ACCORDING TO SECTION R905 OF THE 2018 IRC.
4. SLOPES >2:12 AND < 4:12 SHALL BE DOUBLE FELTED WITH A 19" LAP.
5. ROOF FELT SHALL BE FASTENED WITH CORROSION RESISTANT FASTENERS SPACED A MAXIMUM OF 12" O.C. ALONG OVERLAPS

ASPHALT SHINGLES:
1. ASPHALT SHINGLE ROOF COVERINGS SHALL BE TESTED IN ACCORDANCE WITH ASTM D 3161, CLASS F ASTM D 7158 CLASS H&G AND INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. ASPHALT SHINGLE WRAPPERS SHALL BEAR A LABEL INDICATING COMPLIANCE WITH ASTM D3161, CLASS F OR ASTM D7158 CLASS H&G
3. ASPHALT SHINGLES SHALL BE FASTENED PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS ON THE SPECIFIED NAIL LINE.
4. FASTENERS SHALL NOT BE OVERDRIVEN OR CROOKED.
5. STARTER COURSE SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

BRICK TIES:
1. BRICK TIES SHALL BE PROVIDED 16" O.C. ALONG EACH STUD
2. BRICK TIES SHALL BE ANCHORED TO WALL STUDS WITH 1- 8D CORROSION RESISTANT NAIL.
3. BRICK TIES SHALL BE SPACED 6" O.C. AROUND WINDOW AND DOOR OPENINGS WHERE WINDBORNE DEBRIS PROTECTION IS TO BE ANCHORED TO BRICK VENEER.

DOORS AND WINDOWS:
1. WINDOW, DOOR GARAGE DOOR AND SKYLIGHT PRODUCTS SHALL HAVE A MINIMUM DESIGN PRESSURE AS SPECIFIED IN THE WINDSTORM DESIGN PLAN..
2. SEE WS DESIGN PLAN FOR DESIGN PRESSURES
3. WINDOWS AND GLASS DOOR PRODUCTS SHALL MEET THE REQUIREMENTS OF THE 2018 IRC.
4. IN LIEU OF THE INSTALLATION REQUIRED BY A PRODUCT EVALUATION,
   - ALUMINUM WINDOWS MAY BE INSTALLED WITH 10D BOX NAILS (0.131 X 3"), SPACED 4" O.C. AROUND PERIMETER AND PLACED IN PRE-DRILLED HOLES WHERE PROVIDED.
   - VINYL FRAMED WINDOWS SHALL BE INSTALLED WITH 1½" ROOFING NAILS (11 GAUGE SHANK DIAMETER, 7/16" HEAD DIAMETER) SPACED 3" ON CENTER.
4. 1x6 BUILD OUT MATERIAL FOR WINDOW INSTALLATION SHALL BE INSTALLED TO WALL FRAMING WITH SAME FASTENER SIZE AND SPACING AS WINDOWS.
5. IN LIEU OF THE INSTALLATION REQUIRED BY A PRODUCT EVALUATION, ENTRY DOORS MAY BE INSTALLED WITH EITHER:
   - NO. 8 X 3" WOOD SCREWS, SPACED A MAXIMUM OF 4" FROM THE CORNERS AND 10" O.C. THEREAFTER, OR
   - NO. 10 X 2 ½" WOOD SCREWS SPACED 6" FROM THE CORNERS AND 23" O.C. THEREAFTER.
6. IN ADDITION TO THE AFORE MENTIONED FASTENERS, EACH DOOR HINGE AND STRIKER PLATE SHALL BE INSTALLED W/ MIN. 1- NO. 8 x 3" WOOD SCREW.
7. GARAGE DOOR PRODUCTS SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S SHOP DRAWINGS. SHOP DRAWINGS SHALL BE PROVIDED BE THE INSTALLER FOR EACH STRUCTURE FOR FINAL INSPECTION.
8. IT SHALL BE THE RESPONSIBILITY OF THE BUILDER TO OBTAIN AND MAINTAIN RECORDS OF PRODUCT EVALUATION OR TESTING INFORMATION THAT VERIFIED THE DESIGN PRESSURE PERFORMANCE OF WINDOW AND DOOR PRODUCTS. AN EVALUATION REPORT OR TESTING INFORMATION FOR WIDOW AND DOOR PRODUCTS SHALL BE AVAILABLE UPON REQUEST.

WINDBORNE DEBRIS PROTECTION:
1. STRUCTURES LOCATED IN AREAS WHERE THE DESIGN WIND SPEED IS 140 MPH OR GREATER SHALL HAVE GLAZED EXTERIOR OPENINGS PROTECTED FROM WINDBORNE DEBRIS BY AN APPROVED PROTECTION METHOD AS SPECIFIED IN THE 2018 IRC.
2. WINDBORNE DEBRIS PROTECTION METHOD SHALL MEET THE IMPACT AND CYCLIC WIND PRESSURE TESTING REQUIREMENTS OF ASTM E1886 AND 1996, OR BE AN APPROVED WOOD STRUCTURAL PANEL APPLICATION SPECIFIED IN THE 2018 IRC EVIDENCE OF PROTECTION METHOD SHALL BE PROVIDED PRIOR TO CERTIFICATION AND THE PROTECTION MATERIALS AND FASTENERS SHALL BE AT THE SITE AT THE TIME OF THE FINAL INSPECTION.
3. DOORS AND GARAGE DOOR OPENINGS WITH GLAZING SHALL BE PROTECTED FROM WINDBORNE DEBRIS. DOOR AND GARAGE DOOR OPENINGS WITHOUT GLAZING DO NOT REQUIRE PROTECTION AGAINST WINDBORNE DEBRIS.

CORROSION RESISTANT FASTENERS

GALVANIZED STEEL, STAINLESS STEEL, ALUMINUM OR COPPER

TABLE 3- UPLIFT ANCHORAGE REQUIREMENTS

CONNECTION	REQUIRED CAPACITY	SIMPSON	USP	TAMLYN
Rafter to Double Top Plate (each rafter)	600 lbs.	H-8	RT7A	HTB
Overhang ceiling joists to Double Top Plate (each joist)	600 lbs.	H-8	RT7A	HTB
Double top plate to studs (each stud)	600 lbs.	H-8	RT7A	HTB
2nd floor studs to band joist or 1st floor studs (each stud)	600 lbs.	LSTA36	LSTA40	LTSA40
Stud to bottom plate (each stud)	420 lbs.	SSP	RSPT4	SPTR
Header end to king/trimmer stud	600 lbs.	LSTA12	MP4F	FAL
Trimmer/king stud to sole/bottom plate	420 lbs.	SSP	RSPT4	SPTR
Top plate to header (16"o.c. along header)	450 lbs.	LSTA (4 nails per side)	RSPT4 (4 nails per side)	LSTA (4 nails per side)
Ridge strap (each rafter)	970 lbs.	LSTA12	LSTA-12	SS-12
Overhang beam to post	4,000 lbs.	(4) LSTA12	(4) MP4F	(4) FAL
Overhang beam to structure	2,000 lbs.	(2) LSTA12	(2) MP4F	(2) FAL
Support post to foundation	4,000 lbs.	HTT16, HTT22	STAD14, HTT22	SSAD14, HAH22

TABLE 4- FASTENING REQUIREMENTS

FASTENING SCHEDULE		
CONNECTION	FASTENING	LOCATION
1. Sole plate to joist or blocking	16D (3 1/2" X 0.135") @ 16" O.C. 3" X 0.131" NAILS @ 8" O.C.	typical face nail
2. SOLE PLATE TO JOIST OR BLOCKING @ BRACED WALL PANEL	3 - 16D (3 1/2" X 0.135") @ 16" 4 - 3" X 0.131" NAILS @ 16"	shearwall locations
3. Top plate to stud	2 - 16D (3 1/2" X 0.162") 3 - 3" X 0.131" NAILS	end nail
4. Stud to sole plate	4 - 8D (2 1/2" X 0.131") 4 - 3" X 0.131" NAIL	toenail
	2 - 16D (3 1/2" X 0.162") 3 - 3" X 0.131" NAILS	end nail
5. Double Studs	16D (3 1/2" X 0.135") @ 24" O.C. 3" X 0.131" NAILS @ 8" O.C.	face nail
6. Double top plates	16D (3 1/2" X 0.135") @ 16" O.C. 3" X 0.131" NAILS @ 12" O.C.	typical face nail
7. Double top plates	8 - 16D (3 1/2" X 0.162")	lap splice
8. Blocking between joists or rafters to top plate	3 - 8D (2 1/2" X 0.131")	toenail
9. Rim joist to top plate	8D (2 1/2" X 0.131") @ 6" O.C. 3" X 0.131" NAILS @ 6" O.C.	toenail
10. Top plates, laps and intersections	2- 16D (3 1/2" X 0.162") @ 16" O.C. 2 - 3" X 0.131" NAILS @ 10" O.C.	face nail
11. Continuous header, two pieces	16D (3 1/2 " X 0.162")	16" o.c. along edge
12. Ceiling joists to plate	3 - 8D (2 1/2" X 0.131") 5 - 3" X 0.131" NAILS	toenail
13. Continuous header to stud	4 - 8D (2 1/2" X 0.131")	toenail
14. Ceiling joists, laps over partitions	3 - 16d (3 1/2" x 0.162") 4 - 3" x 0.131" nail	face nail
15. Ceiling joists to parallel rafters	3 - 16D (3 1/2" X 0.162") 4 - 3" X 0.131" NAIL	face nail
16. Rafters to plate	3 - 8D (2 1/2" X 0.131") 3 - 3" X 0.131" NAILS	toenail
17. Build- up corner studs	16D (3 1/2" X 0.162") 3" X 0.131" NAILS	12" o.c. 6" o.c.
18. Built-up girder and beams	20D (4" X 0.192") 32" O.C. 3" X 0.131" NAILS @ 24" O.C.	FACE NAIL @ TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES
	2 - 20D (4" X 0.192") 3 - 3" X 0.131" NAILS	FACE NAIL @ ENDS AND @ EACH SPLICE
19. Collar tie to rafter	3 - 10D (3" X 0.148") 5 - 3" X 0.131" NAILS	face nail
20. Jack rafter to hip	3 - 10D (3" X 0.148") 4 - 3" X 0.131" NAILS	toenail
	2- 16D (3 1/2" X 0.162") 3 - 3" X 0.131" NAILS	face nail
21. Roof rafter to 2-by ridge beam	2 - 16D (3 1/2" X 0.162") 3 - 3" X 0.131" NAILS	toenail
	2 - 16D (3 1/2" X 0.162") 3 - 3" X 0.131" NAILS	
22. Joist to band joist	3 - 16d (3 1/2" x 0.162") 4 - 3" x 0.131" nails	face nail

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Coastal Building Inspections Engineering WINDSTORM

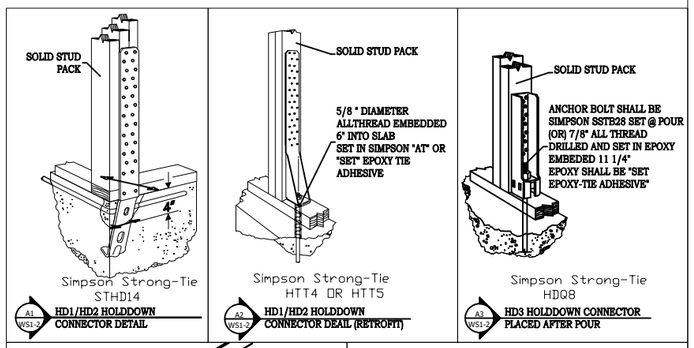
WINDSTORM FRAMING AND CONSTRUCTION REQUIREMENTS

STATE OF TEXAS
BRUCE ANDERSON LEWIS
68721
REGISTERED
PROFESSIONAL ENGINEER

Bruce Anderson Lewis

5/22/24

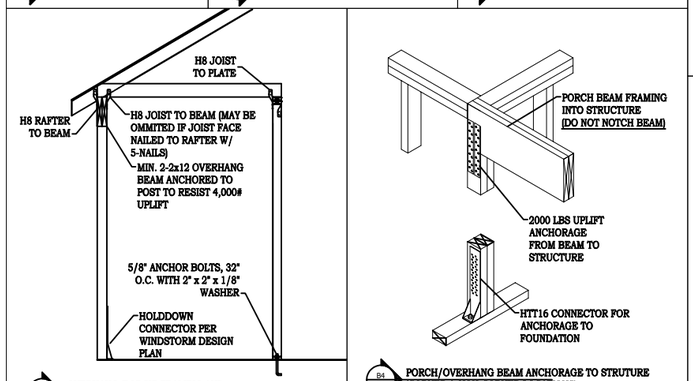
SHEET NO:
CS 1-1



A1 WS1-2 HD1/HD2 HOLDDOWN CONNECTOR DETAIL

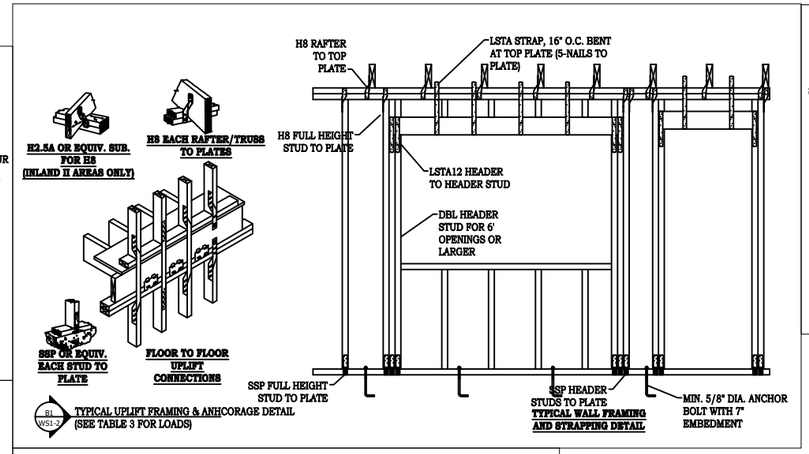
A2 WS1-2 HD1/HD2 HOLDDOWN CONNECTOR DEAIL (RETROFIT)

A3 WS1-2 HD3 HOLDDOWN CONNECTOR PLACED AFTER POUR

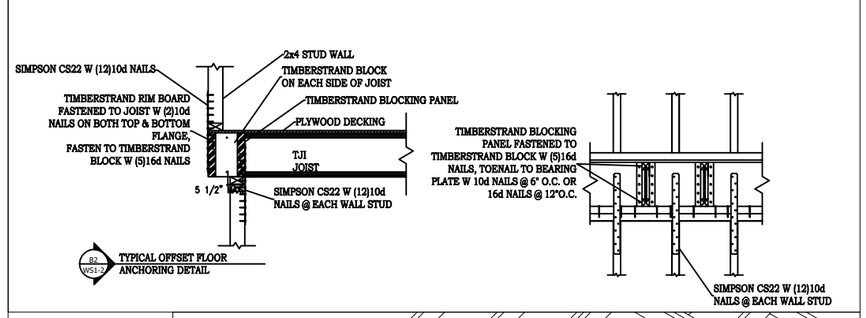


B3 WS1-2 OVERHANG (PORCH) FRAMING AND STRAPPING DETAIL

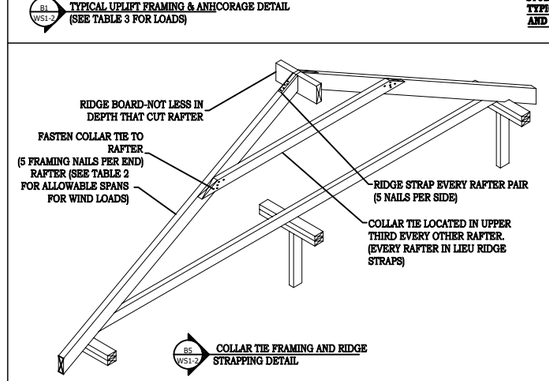
B4 WS1-2 PORCH/OVERHANG BEAM ANCHORAGE TO STRUTURE (CORNER & NON-CORNER LOCATIONS)



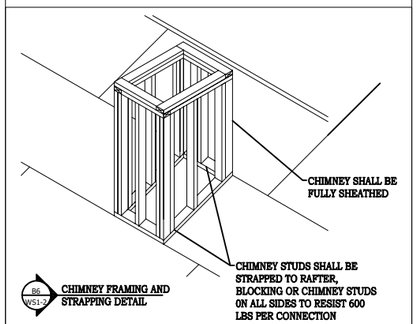
B1 WS1-2 TYPICAL UPLIFT FRAMING & ANHCORAGE DETAIL (SEE TABLE 3 FOR LOADS)



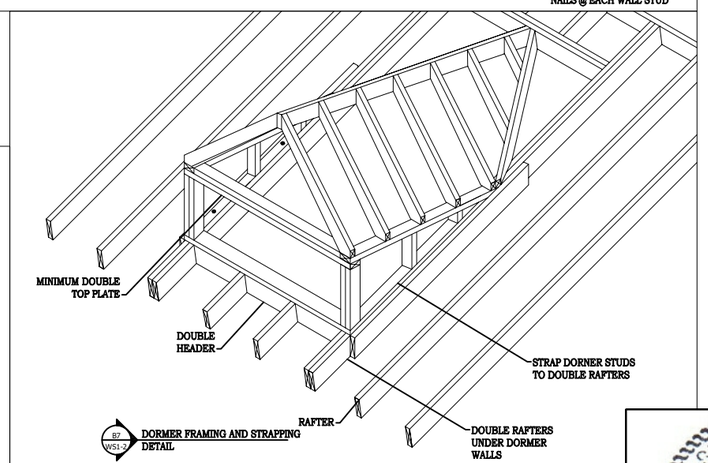
B2 WS1-2 TYPICAL OFFSET FLOOR ANCHORING DETAIL



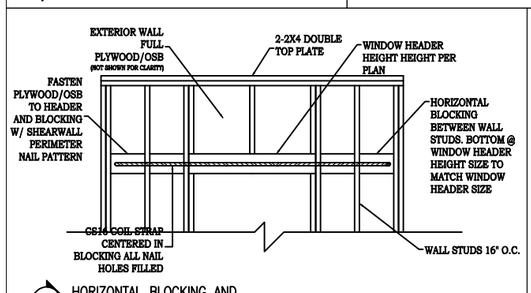
B5 WS1-2 COLLAR TIE FRAMING AND RIDGE STRAPPING DETAIL



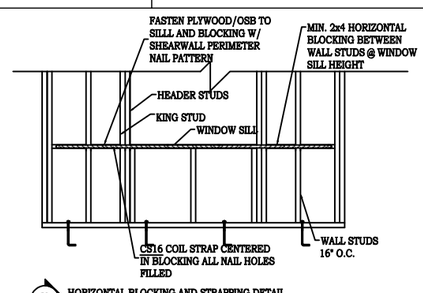
B6 WS1-2 CHIMNEY FRAMING AND STRAPPING DETAIL



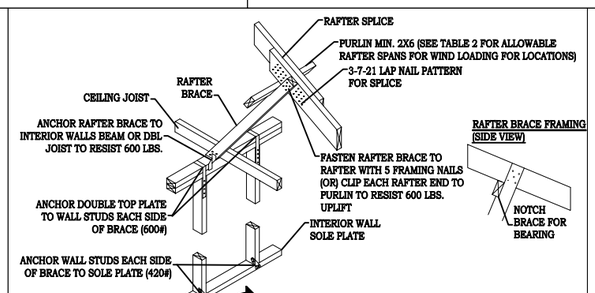
B7 WS1-2 DORMER FRAMING AND STRAPPING DETAIL



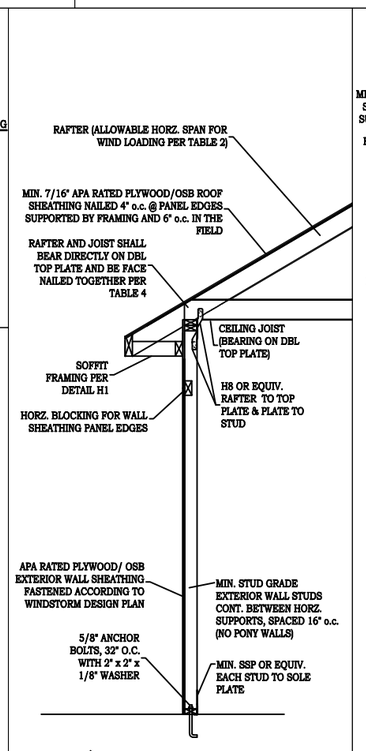
B8 WS1-2 HORIZONTAL BLOCKING AND STRAPPING DETAIL @ HEADER



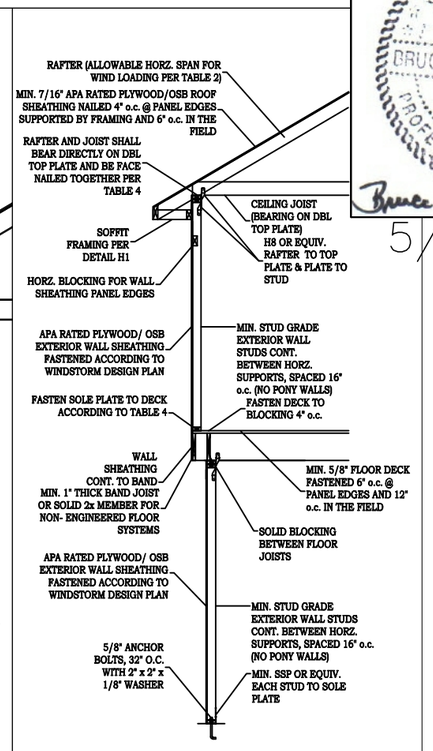
B9 WS1-2 HORIZONTAL BLOCKING AND STRAPPING DETAIL @ SILL



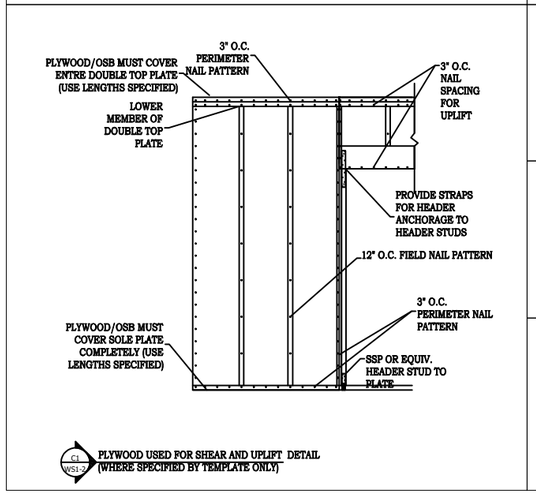
D1 WS1-2 RAFTER BRACE FRAMING AND STRAPPING DETAILS W/ 3-7-21 NAIL PATTERN



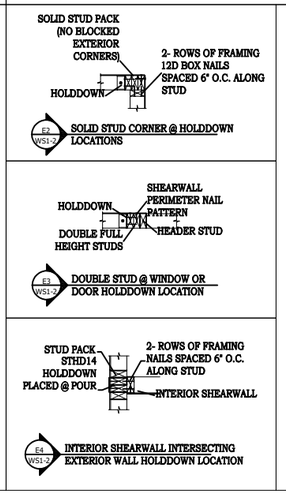
E1 WS1-2 TYPICAL WALL FRAMING DETAIL (1-STORY)



E1 WS1-2 TYPICAL WALL FRAMING DETAIL (2-STORY/BRICK POCKET)



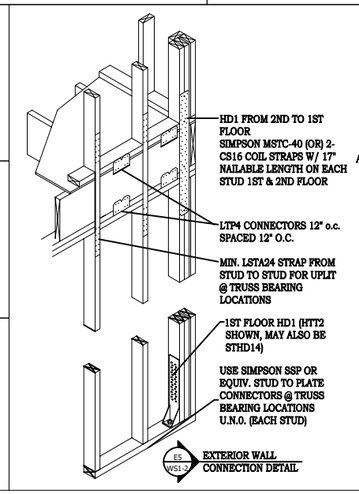
C1 WS1-2 PLYWOOD USED FOR SHEAR AND UPLIFT DETAIL (WHERE SPECIFIED BY TEMPLATE ONLY)



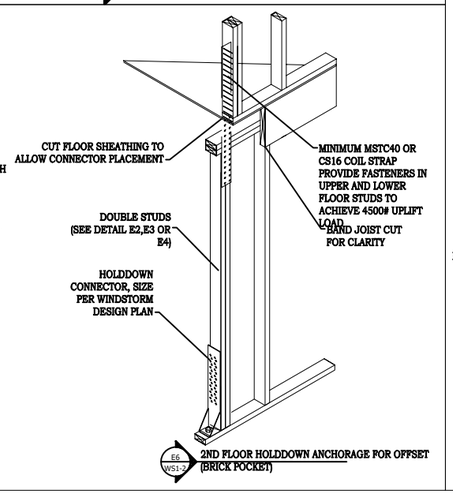
E2 WS1-2 SOLID STUD CORNER @ HOLDDOWN LOCATIONS

E3 WS1-2 DOUBLE STUD @ WINDOW OR DOOR HOLDDOWN LOCATION

E4 WS1-2 INTERIOR SHEARWALL INTERSECTING EXTERIOR WALL HOLDDOWN LOCATION



E5 WS1-2 EXTERIOR WALL CONNECTION DETAIL



E6 WS1-2 2ND FLOOR HOLDDOWN ANCHORAGE FOR OFFSET (BRICK POCKET)

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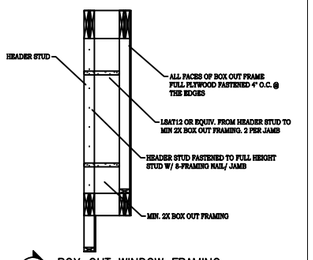
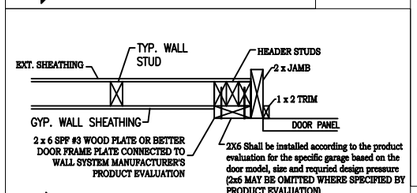
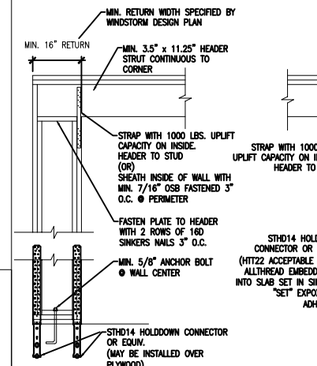
SHEET NO:
WS 1-2



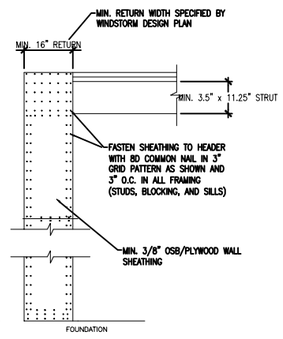
E7 WS 2-2 BOX OUT WINDOW FRAMING ANCHORAGE



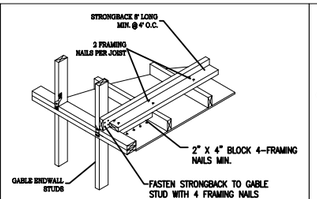
E8 WS 2-2 GARAGE DOOR FRAMING DETAIL



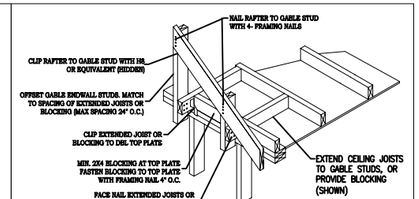
E9 WS 2-2 SPECIAL RETURN DETAIL FRAMING



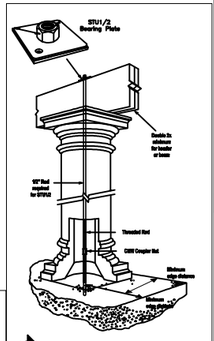
E9 WS 2-2 SPECIAL RETURN DETAIL SHEATHING APPLICATION



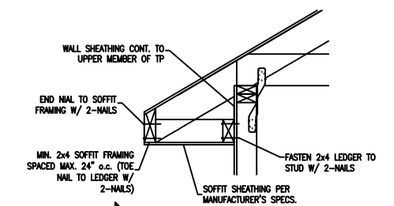
F1 WS 2-2 GABLE ENDWALL BRACING FRAMING DETAIL STRONGBACKS



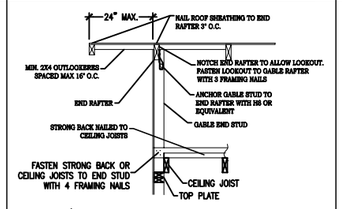
F2 WS 2-2 OFFSET GABLE ENDWALL FRAMING DETAIL



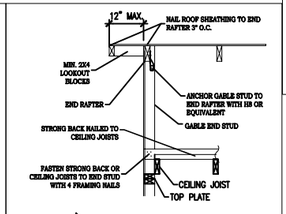
F3 WS 2-2 HOLLOW PORCH COLUMN ANCHORAGE DETAIL



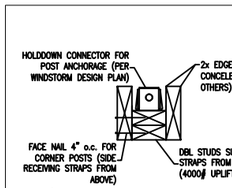
H1 WS 2-2 TYPICAL SOFFIT FRAMING DETAIL FOR WIND LOADING



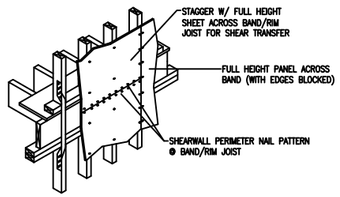
H2 WS 2-2 GABLE OVERHANG FRAMING DETAIL SECTION VIEW (OUTLOOKERS)



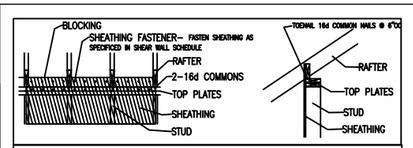
H3 WS 2-2 GABLE OVERHANG DETAIL SECTION VIEW (LOOKOUT BLOCKS OR RIP RAKE)

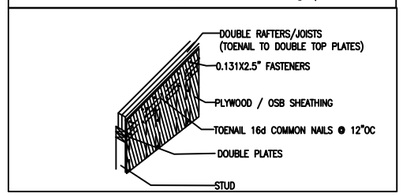


J1 WS 2-2 BUILT UP PORCH COLUMN FRAMING DETAIL

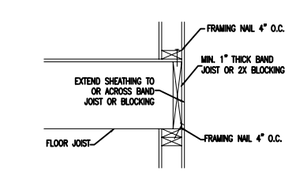


J1 WS 2-2 STACKED WALL SHEATHING APPLICATION DETAIL

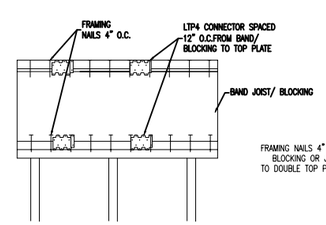




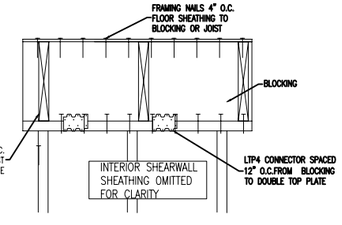
M1 WS 2-2 ROOF/EXTENDED SHEARWALL CONNECTION DETAIL



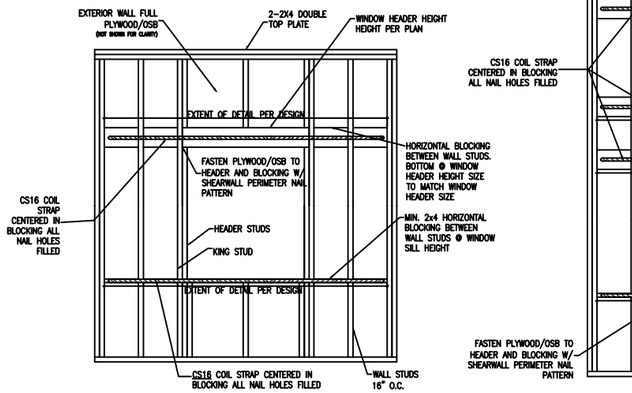
J2 WS 2-2 SHEAR TRANSFER EXTERIOR WALL OR INTERIOR WALL W/ BLOCKING (SHEATHING EXTENDS ACROSS BAND OR BLOCKING)



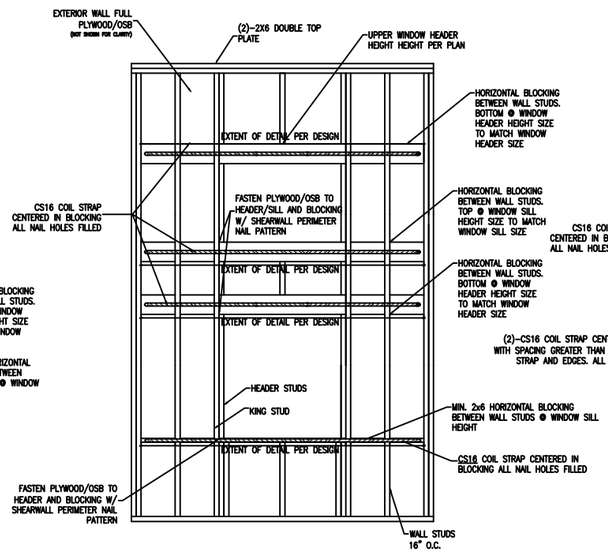
J3 WS 2-2 SHEAR TRANSFER EXTERIOR WALL OR INTERIOR SHEARWALL W/ BLOCKING (SHEATHING DOES NOT EXTEND ACROSS BAND OR BLOCKING)



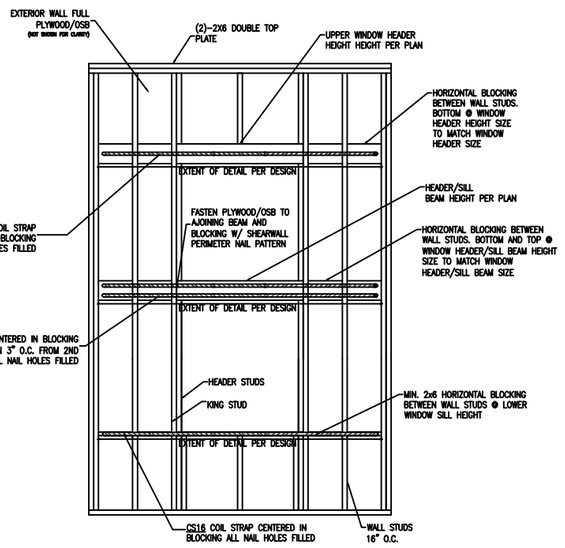
J4 WS 2-2 SHEAR TRANSFER TO INTERIOR SHEARWALL W/ BLOCKING (SHEATHING DOES NOT EXTEND ACROSS BAND OR BLOCKING)



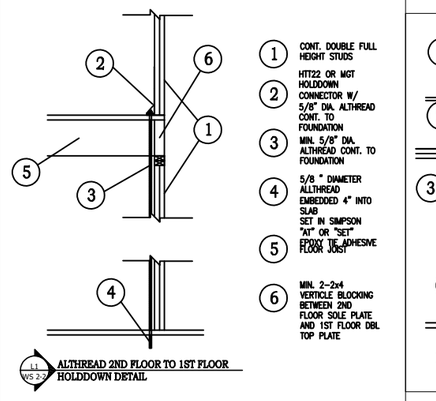
K1 WS 2-2 HORIZONTAL BLOCKING AND STRAPPING DETAIL WITH ONE OPENING FOR WALLS LESS THAN 12' IN HEIGHT



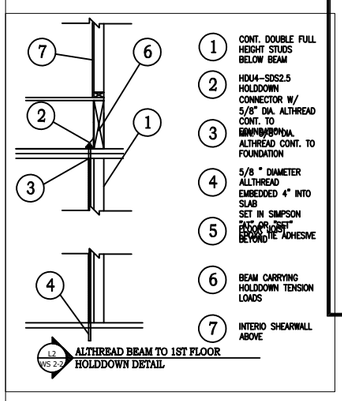
K2 WS 2-2 BALLOON-FRAMED HORIZONTAL BLOCKING AND STRAPPING DETAIL WITH WALL SPACE BTW OPENINGS



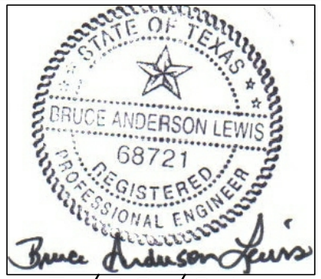
K3 WS 2-2 BALLOON-FRAMED HORIZONTAL BLOCKING AND STRAPPING DETAIL WITH HEADER/SILL BEAM BTW OPENINGS



L1 WS 2-2 ALTHREAD 2ND FLOOR TO 1ST FLOOR HOLDDOWN DETAIL



L2 WS 2-2 ALTHREAD BEAM TO 1ST FLOOR HOLDDOWN DETAIL



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WS 2-2