

UPLIFT CONNECTIONS - 130MPH WINDS EXPOSURE "C"

CONNECTION	FRAMING SPACING (in)	ROOF SPAN (ft)	U	L	S	NUM OF B4 COM NAILS OR 10d BOX NAILS IN EA END OF 1'-1/4" X 20 GA STRAP
ROOF ASSEMBLY TO WALL ASSEMBLY	16" O.C.	11	396	246	108R	4
WALL ASSEMBLY TO WALL ASSEMBLY	16" O.C.	11	396	246	108R	4
WALL ASSEMBLY TO FOUNDATION	16" O.C.	11	170	185	436	4

THERMAL COMPONENT CRITERIA (U-FACTOR AND R-VALUE)

MAX GLAZING U-FACTOR	MINIMUM INSULATION R-VALUE			
	CEILING	WALLS	FLOORS	BASEMENT WALLS
.75	R-26	R-13	R-11	R-5
				GRAVEL SPACE WALLS R-5

WINDBORNE DEBRIS PROTECTION FASTENING SCHEDULE FOR WOOD STRUCTURAL PANELS

FASTENER TYPE	FASTENER SPACING		
	PANEL SPAN 5.4 FOOT	4 FOOT PANEL SPAN 5	6 FOOT PANEL SPAN 5.8 FOOT
2-1/2" #6 WOOD SCREWS	16"	12"	12"
2-1/2" #8 WOOD SCREWS	16"	12"	12"

WINDBORNE DEBRIS PROTECTION LOCATED IN WINDBORNE DEBRIS REGIONS SHALL HAVE GLAZED OPENINGS PROTECTED FROM WINDBORNE DEBRIS. WOOD STRUCTURAL PANELS WITH A MIN THICKNESS OF 7/16" AND A MAX SPAN OF 6 FEET SHALL BE PERMITTED FOR OPENING PROTECTION IN ONE AND TWO STORY BUILDINGS. PANELS SHALL BE REDUCED TO COVER THE GLAZED OPENINGS WITH ATTACHMENT HARDWARE PROVIDED.

HEADER NAILING SCHEDULE

DESCRIPTION	NUM OF COM NAILS	NUM OF BOX NAILS	SPACING
HEAD TO HEAD (FACE NAILED)	B4	10d	6" O.C. EDGE/12" O.C. FIELD

NOTE: ALL HEADERS SHALL HAVE SOLID BLOCKING

WALL SHEATH OR CLAD REQ FOR WIND LOAD EXPOSURE "C"

SHEATHING LOCATION	STUD SPACING	MAX NAIL SPACING FOR B4 COM NAIL OR 10d BOX NAIL (INCHES, O.C.)	
		E	F
INTERIOR ZONE	12" O.C.	6	12
	16" O.C.	6	12
	24" O.C.	6	12
PERIMETER EDGE ZONE	12" O.C.	6	12
	16" O.C.	6	12
	24" O.C.	6	12

ROOF UNDERLAYMENT APPLICATION

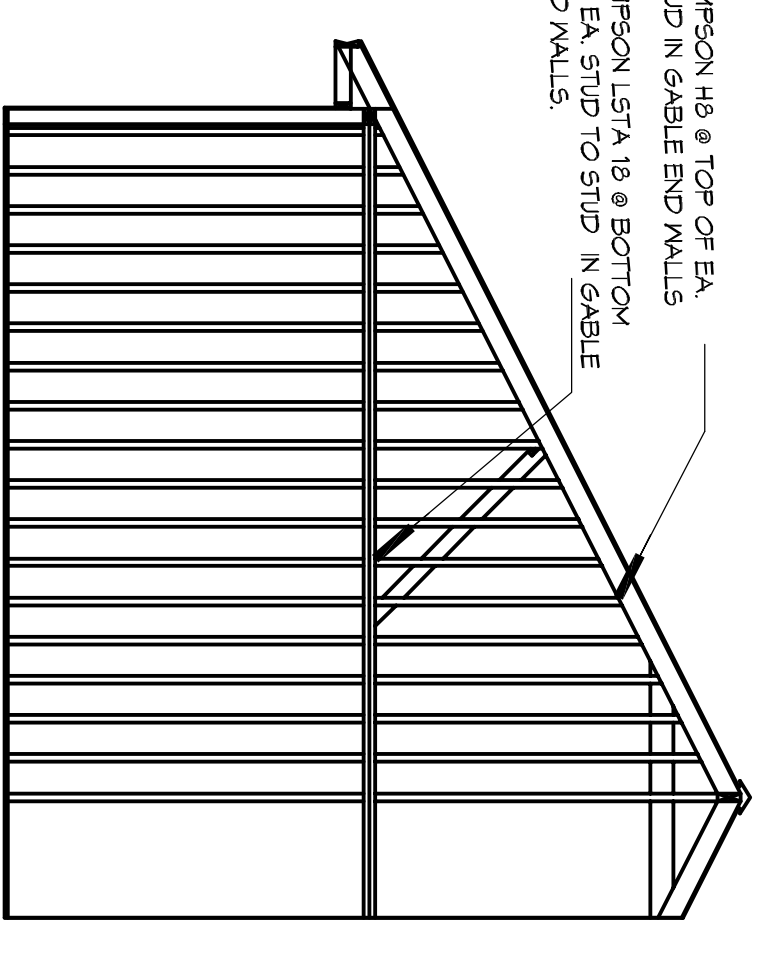
-FOR ROOF SLOPES FROM TWO UNITS VERTICAL IN 12 UNITS HORIZONTAL (17 PERCENT SLOPE) UP TO FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (33 PERCENT SLOPE), UNDERLAYMENT SHALL BE TWO LAYERS APPLIED IN THE FOLLOWING MANNER:
 -APPLY A 1/4 INCH STRIP OF UNDERLAYMENT FELT PARALLEL WITH AND STARTING AT THE EAVES, FASTENED SUFFICIENTLY TO HOLD IN PLACE STARTING AT THE EAVE, APPLY 36 NCH WIDE SHEETS OF UNDERLAYMENT OVERLAPPING SUCCESSIVE SHEETS 19 INCHES, AND FASTENED SUFFICIENTLY TO HOLD IN PLACE.
 -FOR ROOF SLOPES OF FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (33 PERCENT SLOPE) OR GREATER, UNDERLAYMENT SHALL BE ONE LAYER APPLIED IN THE FOLLOWING MANNER:
 -UNDERLAYMENT SHALL BE APPLIED SINGLE PLY, PARALLEL TO AND STARTING FROM THE EAVE AND LAPPED 2 INCHES, FASTENED SUFFICIENTLY TO HOLD IN PLACE. END LAPS SHALL BE OFFSET BY 6 FEET.

SINGLE APPLICATION/FASTENING

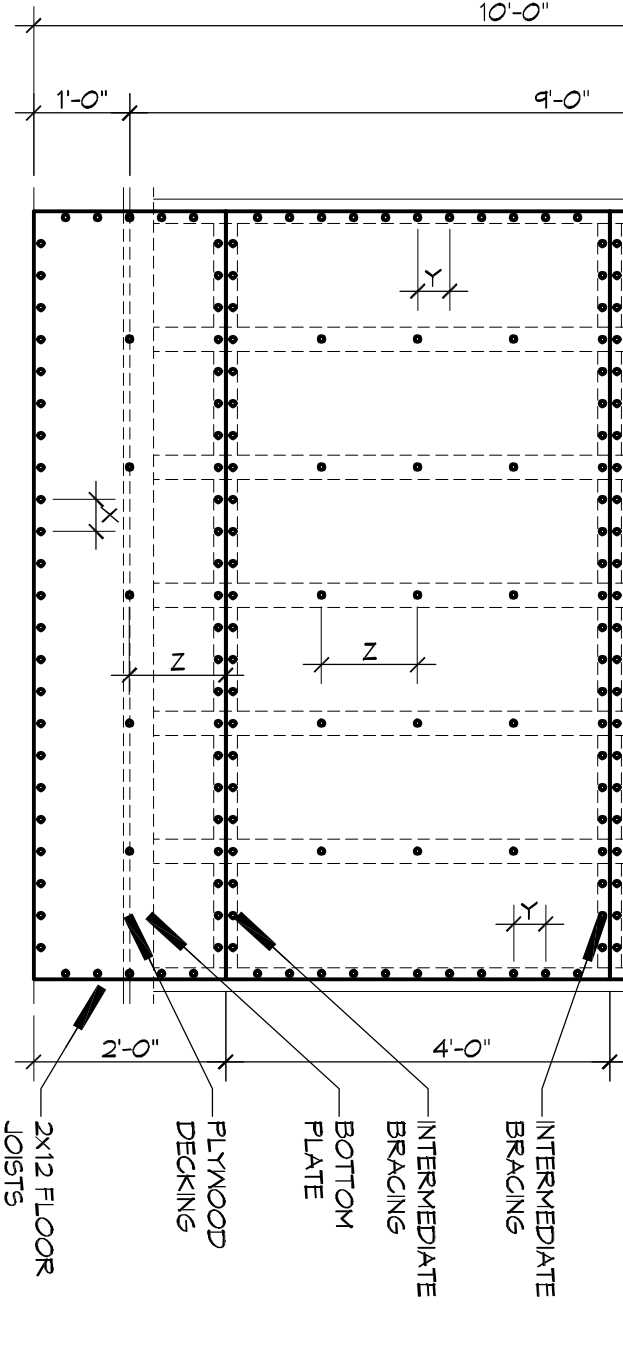
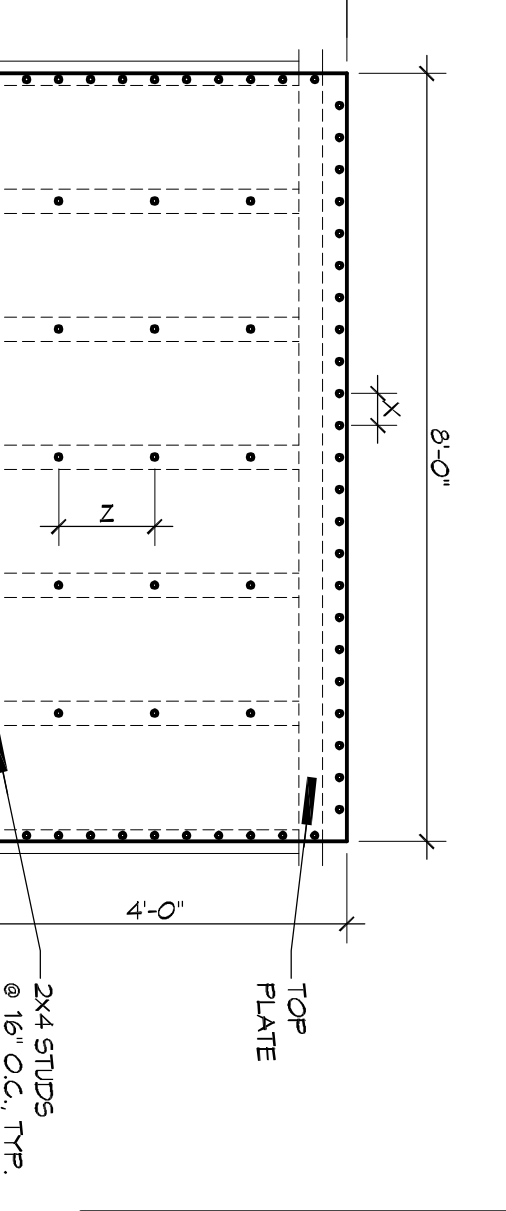
ASPHALT STRIP SHINGLES SHALL HAVE A MINIMUM OF SIX FASTENERS PER SHINGLE WHERE THE ROOF IS IN ONE OF THE FOLLOWING CATEGORIES:
 1. THE BASIC WIND SPEED IS 110 MPH OR GREATER AND THE EAVE IS 20 FEET OR MORE FROM THE FOUNDATION.
 2. THE BASIC WIND SPEED IS 130 MPH OR GREATER.
 3. SPECIAL WIND ZONES.

UPLIFT CONNECTIONS

ROOF ASSEMBLY TO WALL ASSEMBLY:
 UPLIFT CONNECTIONS SHALL BE FROM RAFTER OR TRUSS TO WALL STUD. WHEN RAFTERS OR TRUSSES ARE NOT LOCATED DIRECTLY ABOVE STUDS, RAFTERS SHALL BE ATTACHED TO THE WALL PLATE AND THE WALL TOP PLATE SHALL BE ATTACHED TO THE WALL STUD WITH UPLIFT CONNECTIONS. UPLIFT CONNECTIONS SHALL BE IN ACCORDANCE WITH TABLE.
 WALL ASSEMBLY TO WALL ASSEMBLY:
 UPLIFT CONNECTIONS FROM UPPER STORY WALL STUD TO LOWER STORY WALL STUD. WHEN UPPER STORY WALL STUDS ARE NOT LOCATED DIRECTLY ABOVE LOWER WALL STUDS, THE STUDS SHALL BE ATTACHED TO A COMMON MEMBER IN THE FLOOR ASSEMBLY BY UPLIFT CONNECTIONS. UPLIFT CONNECTIONS SHALL BE IN ACCORDANCE WITH TABLE.
 WALL ASSEMBLY TO FOUNDATION:
 FIRST FLOOR WALL STUDS SHALL BE CONNECTED TO THE FOUNDATION SILL, PLATE OR BOTTOM PLATE. A MINIMUM OF A 1-1/4" X 20 GA ASTM A693 GRADE 33 STEEL STRAP SHALL BE NAILED TO THE WALL STUDS AND HAVE A MINIMUM EMBEDMENT OF 1 INCHES IN CONCRETE FOUNDATIONS AND BLAG-ON-GRACE. 15 ANCHOR BOLTS SHALL BE INSTALLED THROUGH THE STRAP AND WALL STUDS INTO THE FOUNDATION. 3 NAIL SPACERS SHALL BE USED ON THE ANCHOR BOLTS AND ANCHOR BOLT SPACERS SHALL NOT EXCEED THE REQUIREMENTS. STEEL STRAPS EMBEDDED IN OR IN CONTACT WITH BLAG-ON-GRACE OR MASONRY BLOCK FOUNDATIONS SHALL BE HOT-DIPPED GALV. AFTER FABRICATION OR PAINT. FROM 6/16S OR 2/80 GALV. STL. CONNECTIONS SHALL BE IN ACCORDANCE WITH TABLE.



END WALL STRAPPING



JACK STUD BEARING WALLS

HEADER SPACING	ROOF SPAN (ft)					
	12 FEET	24 FEET	36 FEET	48 FEET	60 FEET	72 FEET
2	1	1	1	1	1	1
4	1	1	1	1	1	1
6	1	1	1	1	1	1
8	1	1	1	1	1	1
10	1	1	1	1	1	1
12	1	1	1	1	1	1
14	2	2	2	2	2	2
16	2	2	2	2	2	2
18	3	3	3	3	3	3
20	4	4	4	4	4	4
22	5	5	5	5	5	5
24	6	6	6	6	6	6

ROOF CEILING AND 1 CENTER BEARING FLR
 2 FLOORS ONLY (CENTER BEARING)
 16" 4 3 2 2 2 5 4 4 4 3 9 4 6 5 5 5

SILL OR BOTTOM PLATE TO RID CONNECTIONS RESISTING UPLIFT LOADS - 130MPH WINDS EXP "B"

BOTTOM PLATE TO RID ANCHOR BOLT CONNECTION RESISTING UPLIFT LOADS	MAX ANCHOR BOLT SPACING (in)	
	FOUNDATION SUPPORTINGS	INTERIOR ZONES
1-3 STORES	8 END ZONES	28
1-3 STORES	INTERIOR ZONES	38

SILL OR BOTTOM PLATE TO RID CONNECTIONS RESISTING SHEAR LOADS - 130MPH WINDS EXP "B"

BOTTOM PLATE TO RID ANCHOR BOLT CONNECTION RESISTING SHEAR LOADS	MAX ANCHOR BOLT SPACING (in)	
	FOUNDATION SUPPORTINGS	INTERIOR ZONES
1-3 STORES	8 END ZONES	28
1-3 STORES	INTERIOR ZONES	38

ROOF SHEATH OR CLAD REQ - WIND LOAD EXP "C"

SHEATHING LOCATION	RAFTER/FRUSS SPAC (INCHES, O.C.)	MAX NAIL SPAC FOR B4 COM NAILS OR 10d BOX NAILS (INCHES, O.C.)	
		E	F
INTERIOR ZONE	12" O.C.	6	12
	16" O.C.	6	12
	24" O.C.	6	12
PERIMETER EDGE ZONE	12" O.C.	6	12
	16" O.C.	6	12
	24" O.C.	6	12

NOTE: ALL HEADERS SHALL HAVE SOLID BLOCKING

HEADER SPANS - INTERIOR LOADBEARING WALLS

HEADER SPACING	BLDG WIDTH (ft)		
	12	24	36
(2)2x4S	4'-4"	5'-6"	7'-0"
(2)2x6S	6'-3"	8'-0"	9'-6"
(2)2x8S	8'-1"	10'-0"	12'-0"
(2)2x10S	10'-1"	12'-0"	14'-0"
(2)2x12S	12'-5"	14'-4"	16'-4"
(2)2x10S	10'-2"	12'-2"	14'-2"
(2)2x12S	12'-5"	14'-4"	16'-4"
(2)2x10S	10'-2"	12'-2"	14'-2"
(2)2x12S	12'-5"	14'-4"	16'-4"
(2)2x10S	10'-2"	12'-2"	14'-2"
(2)2x12S	12'-5"	14'-4"	16'-4"
(2)2x10S	10'-2"	12'-2"	14'-2"
(2)2x12S	12'-5"	14'-4"	16'-4"

NOTE: 1. BLDG WIDTH IS MEASURED PERPENDICULAR TO THE RIDGE FOR WIDTHS BETWEEN THOSE SHOWN SPANS ARE PERMITTED TO BE INTERPOLATED
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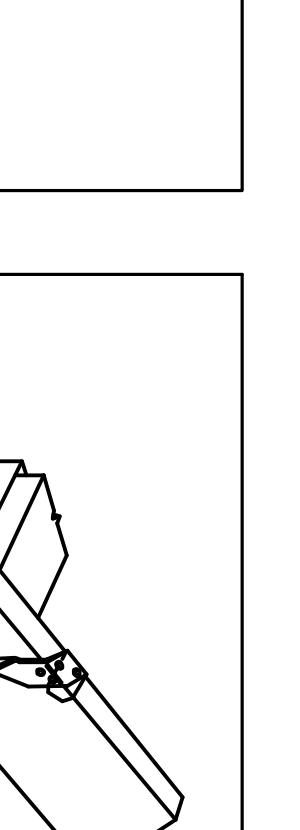
JACK STUD REQ - EXP "C" FOR EXT LOADBEARING WALLS

HEADER SPACING	HEADER WIDTH		
	3"	4.5"	6.5"
2	1	1	1
4	1	1	1
6	2	2	2
8	2	2	2
10	3	3	3
12	4	4	4
14	4	4	4
16	4	4	4
18	5	5	5
20	5	5	5
22	5	5	5
24	5	5	5

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2	1	1	1
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6	2	2	2
8	2	2	2
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12	4	4	4
14	4	4	4
16	4	4	4
18	5	5	5
20	5	5	5
22	5	5	5
24	5	5	5



ROOF UNDERLAYMENT APPLICATION

-FOR ROOF SLOPES FROM TWO UNITS VERTICAL IN 12 UNITS HORIZONTAL (17 PERCENT SLOPE) UP TO FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (33 PERCENT SLOPE), UNDERLAYMENT SHALL BE TWO LAYERS APPLIED IN THE FOLLOWING MANNER:
 -APPLY A 1/4 INCH STRIP OF UNDERLAYMENT FELT PARALLEL WITH AND STARTING AT THE EAVES, FASTENED SUFFICIENTLY TO HOLD IN PLACE STARTING AT THE EAVE, APPLY 36 NCH WIDE SHEETS OF UNDERLAYMENT OVERLAPPING SUCCESSIVE SHEETS 19 INCHES, AND FASTENED SUFFICIENTLY TO HOLD IN PLACE.
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SINGLE APPLICATION/FASTENING

ASPHALT STRIP SHINGLES SHALL HAVE A MINIMUM OF SIX FASTENERS PER SHINGLE WHERE THE ROOF IS IN ONE OF THE FOLLOWING CATEGORIES:
 1. THE BASIC WIND SPEED IS 110 MPH OR GREATER AND THE EAVE IS 20 FEET OR MORE FROM THE FOUNDATION.
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 3. SPECIAL WIND ZONES.

UPLIFT CONNECTIONS

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HEADER SPANS - EXPOSURE C FOR EXTERIOR LOADBEARING WALLS

HEADER SIZE	SPAN	NUMBER FULL HEIGHT STUDS REQ IN EA END	
		3"	4.5"
(2)2x4S	4'-1"	2	2
(2)2x6S	5'-6"	3	3
(2)2x8S	6'-1"	3	3
(2)2x10S	6'-8"	3	3
(2)2x12S	7'-1"	3	3
(2)2x10S	7'-5"	3	3
(2)2x12S	8'-3"	3	3
(2)2x10S	8'-6"	3	3
(2)2x12S	9'-1"	3	3
(2)2x10S	9'-6"	3	3
(2)2x12S	10'-0"	3	3
(2)2x10S	10'-0"	3	3

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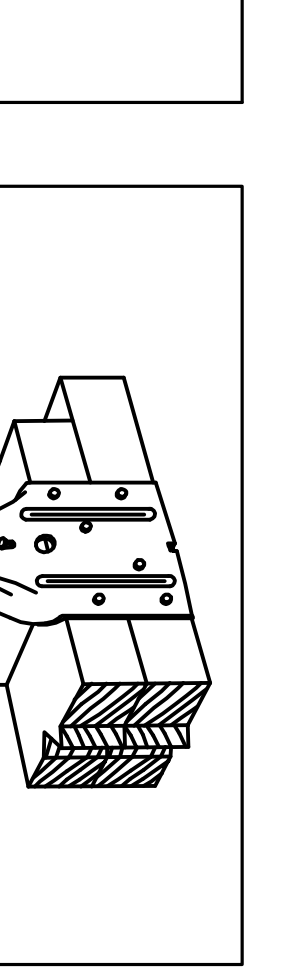
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10	3	3	3
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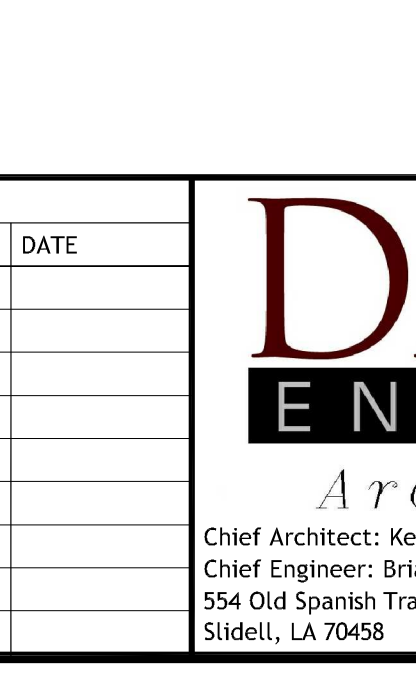
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UPLIFT CONNECTIONS

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 UPLIFT CONNECTIONS SHALL BE FROM RAFTER OR TRUSS TO WALL STUD. WHEN RAFTERS OR TRUSSES ARE NOT LOCATED DIRECTLY ABOVE STUDS, RAFTERS SHALL BE ATTACHED TO THE WALL PLATE AND THE WALL TOP PLATE SHALL BE ATTACHED TO THE WALL STUD WITH UPLIFT CONNECTIONS. UPLIFT CONNECTIONS SHALL BE IN ACCORDANCE WITH TABLE.
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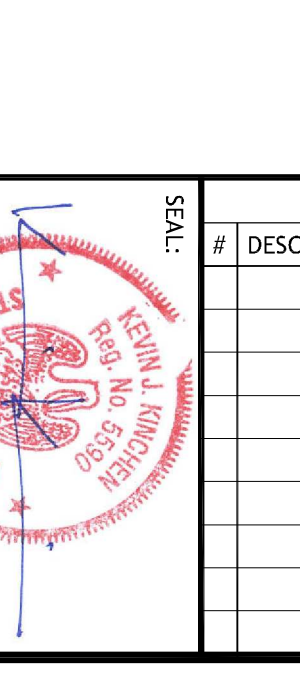
DESIGN CRITERIA:

THE CONSTRUCTION FOR SAND RESISTANCE WHERE BASIC WIND SPEED IS 130 MPH PER HOUR AND EXPOSURE ZONE C, IS DESIGNED IN ACCORDANCE WITH AMERICAN INSTITUTE OF STEEL CONSTRUCTION MANUAL FOR STEEL AND TWO FAMILY DWELLING (AISC) (1989) (2001 EDITION) AS WELL AS THE INTERNATIONAL RESIDENTIAL CODE (IRC) (2012 EDITION).



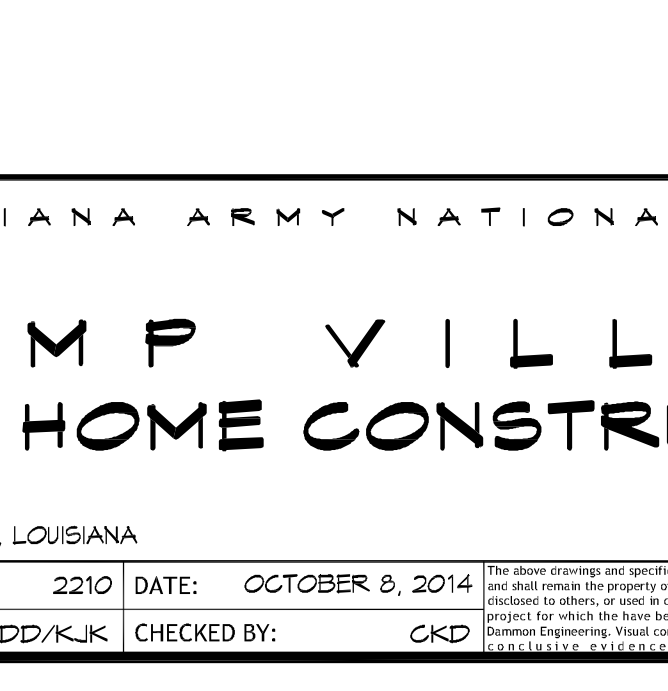
NAIL SPACING

X = PLATE EDGE NAIL SPACING
 Y = FLOOR NAIL SPACING
 Z = FIELD NAIL SPACING

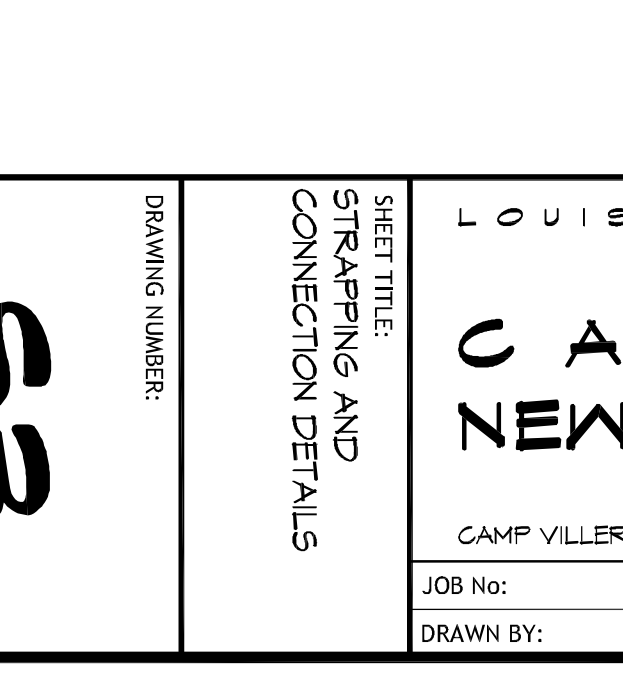


POST TO BEAM

1. BLDG WIDTH IS MEASURED PERPENDICULAR TO THE RIDGE FOR WIDTHS BETWEEN THOSE SHOWN SPANS ARE PERMITTED TO BE INTERPOLATED
 2. ALL HEADERS SHALL HAVE SOLID BLOCKING



STUD TO SOLE PLATE



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CAMP VILLERE NEW HOME CONSTRUCTION
 CAMP VILLERE, LOUISIANA LA 14-A-031
 JOB No: 2210 DATE: OCTOBER 8, 2014
 DRAWN BY: DD/KJK CHECKED BY: CKD

SB