



ROOF PLAN
SCALE: 1/4"=1'-0"

JACK STUD REQUIREMENTS-FOR INTERIOR
LOADBEARING WALLS

HEADER SUPPORTING	HEADER SPAN (ft.)	ROOF SPAN (ft.)											
		12 FEET		24 FEET				36 FEET					
		3" 4.5"	5" 6.5"	3" 4.5"	5" 6.5"	3" 4.5"	5" 6.5"	3" 4.5"	5" 6.5"	3" 4.5"	5" 6.5"		
ROOF AND CEILING	2	1	1	1	1	1	1	1	1	1	1	1	1
	4	1	1	1	1	1	1	1	1	1	1	1	1
	6	1	1	1	1	1	1	1	1	2	1	1	1
	8	1	1	1	1	2	1	1	2	2	2	1	1
	10	1	1	1	1	2	2	1	1	3	2	2	2
	12	1	1	1	1	2	2	2	1	3	2	2	2
	14	2	1	1	1	3	2	2	2	4	3	3	2
	16	2	1	1	1	3	2	2	2	4	3	3	2
ROOF, CEILING, AND 1 CENTER BEARING FLR.	2	1	1	1	1	1	1	1	1	2	1	1	1
	4	1	1	1	1	1	2	1	1	3	2	2	2
	6	2	1	1	1	3	2	2	2	4	3	3	2
	8	2	2	1	1	3	2	2	2	5	3	3	3
	10	2	2	2	1	4	3	3	3	2	6	4	4
	12	3	2	2	2	5	3	3	3	7	5	4	4
	14	3	2	2	2	5	4	4	3	8	5	4	4
	16	4	3	2	2	6	4	4	3	9	6	5	5
NO. JACK STUDS REQ.													
HEADER WIDTH-3" (2-2x), 4.5" (3-2x), 5", 6.5" (4-2x)													

HEADER NAILING SCHEDULE			
DESCRIPTION	NUM. OF COM. NAILS	NUM. OF BOX NAILS	SPACING
HEAD, TO HEAD, (FACE-NAILED)	8d	10d	6" O.C. EDGES/ 12" O.C. FIELD

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

MINIMUM INSULATION R-VALUE				
MAX. GLAZING U-FACTOR	CEILINGS	WALLS	FLOORS	CRAWL SPACE
7/5	R-26	R-13	R-11	R-5

WALL SHEATH. OR CLAD. REQ. FOR WIND LOAD-EXP. B		
SHEATHING LOCATION	STUD SPAC.	MAX. NAIL SPAC. FOR BG COM. NAILS OR 10d BOX NAILS (INCHES, O.C.)
INTERIOR ZONE	12" O.C.	6
	16" O.C.	6
PERIMETER EDGE ZONE	12" O.C.	6
	16" O.C.	6
120 MPH WINDS-EXPOSURE "B" (TYP.)		

ROOF SHEATH. OR CLAD. REQ. FOR WIND LOAD-EXP. B		
SHEATHING LOCATION	RATIER/ TRUSS SPAC.	MAX. NAIL SPAC. FOR BG COM. NAILS OR 10d BOX NAILS (INCHES, O.C.)
INTERIOR ZONE	12" O.C.	6
	16" O.C.	6
PERIMETER EDGE ZONE	12" O.C.	6
	16" O.C.	6
120 MPH WINDS-EXPOSURE "B" (TYP.)		

HEADER SPANS-EXPOSURE B FOR EXTERIOR LOADBEARING WALLS		
HEADER SIZE	SPAN	NO. FULL HGT. STUDS REQ. AT EA. END
(2)2x4S	4'-7"	2
(2)2x6S	5'-5"	2
(2)2x8S	6'-1"	3
(2)2x10S	6'-8"	3
(2)2x12S	7'-1"	3
(3)2x6S	7'-5"	3
(3)2x10S	8'-3"	3
(3)2x12S	8'-8"	3
(4)2x6S	8'-7"	3
(4)2x10S	9'-5"	4
(4)2x12S	10'-0"	4

JACK STUD REQ.-EXP. B FOR EXT. LOADBEARING WALLS				
HEADER SUPPORTING	HEADER SPAN (ft.)	HEADER WIDTH		
		3" 4.5"	5" 6.5"	NO. JACK STUDS REQ
ROOF AND CEILING	2	1	1	1
	4	1	1	1
	6	2	1	2
	8	2	2	2
	10	3	2	2
	12	3	2	2
	14	4	3	2
	16	4	3	2
ROOF, CEILING AND 1 CENTER BEARING FLR.	2	1	1	1
	4	2	1	1
	6	2	2	2
	8	3	2	3
	10	4	3	2
	12	4	3	2
	14	5	3	3
	16	5	4	3
HEADER WIDTH-3" (2-2x), 4.5" (3-2x), 5", 6.5" (4-2x)				

HEADER SPANS-FOR INT. LOADBEARING WALLS				
HEADER SUPPORTING	SIZE	BLDG. WIDTH (ft.)		
		12	24	36
ONE FLOOR (CENTER BEARING)	(2)2x4S	4'-4"	3'-1"	2'-6"
	(2)2x6S	6'-5"	4'-6"	3'-8"
	(2)2x8S	8'-1"	5'-9"	4'-8"
	(2)2x10S	9'-11"	7'-0"	5'-9"
	(2)2x12S	11'-6"	8'-1"	6'-7"
	(3)2x6S	10'-2"	7'-2"	5'-10"
	(3)2x10S	12'-5"	8'-9"	7'-2"
	(3)2x12S	14'-4"	10'-2"	8'-3"
	(4)2x6S	11'-6"	8'-3"	6'-9"
	(4)2x10S	14'-4"	10'-1"	8'-3"
	(4)2x12S	16'-4"	11'-9"	9'-7"
	(2)2x4S	2'-10"	2'-1"	1'-8"
2 FLOORS ONLY (CENTER BEARING)	(2)2x6S	4'-2"	3'-1"	2'-6"
	(2)2x8S	5'-4"	3'-11"	3'-3"
	(2)2x10S	6'-6"	4'-9"	3'-11"
	(2)2x12S	7'-6"	5'-6"	4'-7"
	(3)2x6S	6'-8"	4'-10"	4'-0"
	(3)2x10S	8'-1"	6'-0"	4'-11"
	(3)2x12S	9'-5"	6'-11"	5'-9"
	(4)2x6S	7'-8"	5'-8"	4'-8"
	(4)2x10S	9'-4"	6'-10"	5'-8"
	(4)2x12S	10'-10"	8'-0"	6'-7"
* MAX. SPAN EXCEEDS 16" (SPANS LIM. TO 16")				

NOTE: BLDG. WIDTH IS MEASURED PERPENDICULAR TO THE RIDGE FOR WALLS BETWEEN THOSE SHOWN, SPANS ARE PERMITTED TO BE INTER-POLATED.

- NOTES:
1. PROVIDE DOUBLE JOISTS BELOW ALL BEARING WALLS PARALLEL TO JOIST SPAN, PERPENDICULAR TO JOIST SPAN, SHALL PROVIDE SOLID BLOCKING.

ROOF PLAN

TEXTRON MARINE & LAND
2582 FRONT STREET
SLIDELL, LOUISIANA

TEXTRON OFFICE/WAREHOUSE RENOVATION



DAMMON ENGINEERING, INC.
1095 FLORIDA AVENUE 985-649-5832 SLIDELL, LA. 70458
DAMMONENGINEERING.COM

SCALE:AS NOTED

FILE:

JOB NO. 1641

DATE:12-02-04

SHEET

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OF