FLOOR FRAMING NOTES

1. DO NOT SCALE DRAWINGS. USE ONLY DIMENSIONS SHOWN ON DRAWINGS. IT DIMENSIONS ARE IN QUESTION, THE BUILDER SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATIONS BEFORE CONTINUING WITH CONSTRUCTION. BUILDER SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT JOBSITE.
2. JOIST BEARING ELEVATION IS HEIGHT ABOVE SUBFLOOR OR FLOOR SLAB. SEE SECTIONS FOR CLARIFICATION.
3. INSTALL ALL BRIDGING AND PERMANENTLY FASTEN TRUSSES INTO PLACE BEFORE APPLYING ANY LOADS EXCEPT THE WEIGHT OF THE ERECTORS.
4. DECKS SHALL BEAR UNIFORMLY ALONG THE TOP CHORDS OF THE TRUSSES.
5. FLOOR DECK SHALL BE 23/32" EXPOSURE 1 T&G STURDI-FLOOR PLYWOOD.
6. HOLD FLOOR DECKING PANELS APART AS RECOMMENDED BY DECKING MANUF.
7. HOLD FLOOR DECK PANELS AWAY FROM ITEMS PENETRATING FLOOR DECK AS RECOMMENDED BY FLOOR DECK MANUF. TO ALLOW FOR EXPANSION AND CONTRACTION OF FLOOR DECK.

ROOF FRAMING NOTES:

1. ALL DIMENSIONS ARE TO CENTER OF BEAM, RAFTER, TRUSS OR JOIST UNLESS NOTED OTHERWISE.
2. RAFTER, TRUSS, OR JOIST BEARING ELEVATION IS HEIGHT ABOVE SUBFLOOR OR FLOOR SLAB. SEE WALL SECTIONS FOR CLARIFICATION.
3. INSTALL ALL BRIDGING AND PERMANENTLY FASTEN JOISTS INTO PLACE BEFORE APPLYING ANY LOADS EXCEPT THE WEIGHT OF THE ERECTORS.
4. ROOF DECK SHALL BE 5/8" EXPOSURE 1 PLYWOOD.
5. HOLD ROOF DECKING PANELS APART AS RECOMMENDED BY DECKING MANUFACTURER.
6. HOLD ROOF DECK PANELS AWAY FROM ITEMS PENETRATING ROOF DECK AS RECOMMENDED BY ROOF DECK MANUFACTURER TO ALLOW FOR EXPANSION AND CONTRACTION OF ROOF DECK.
7. HIP RAFTERS, RIDGE BOARDS AND VALLEY RAFTERS SHALL BE ONE SIZE LARGER THAN RAFTERS, UNLESS NOTED OTHERWISE. ANY HIP OR VALLEY RAFTER OVER 28' LONG SHALL BE LAMINATED VENEER LUMBER.

ROOF PLAN NOTES

1. DO NOT SCALE DRAWINGS. USE ONLY DIM. SHOWN ON DRAWINGS. IF DIMS. ARE IN QUESTION, THE BUILDER SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATIONS BEFORE CONT. WITH CONSTRUCTION. BUILDER SHALL VERIFY ALL DIMS. AND CONDITIONS AT JOBSITE.
2. SEE FLOOR PLAN FOR BUILDING DIMENSIONS.
3. BEGIN SHINGLE ROOFING WITH FULL SHINGLE AT EDGE OF ROOF.
4. ROUTE ALL VENTS, EXHAUSTS, FLUES, AND OTHER PENETRATIONS TO THESE AREAS AND TERMINATE AS PER CODE.
5. ALL ROOFING AND ROOFING DETAILS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH INDUSTRY STANDARDS AND MANUF. INSTRUCTIONS. NO WORK SHALL CONFLICT WITH THE MANUF. GUARANTEE OR WARRANTY.
6. PROVIDE FLASHING AS PER DETAILS OR AS PER SMACNA IF NO DETAILS ARE SHOWN WHERE THE PITCH CHANGES OR WHERE ROOFING INTERSECTS WITH VERTICAL SURFACES.
7. THE INSTALLATION SUBCONTRACTORS SHALL BE FULLY RESPONSIBLE FOR ALL ROOF WORK.

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 HORIZ. (33-PERCENT SLOPE), UNDERLAYMENT SHALL BE TWO LAYERS APPLIED IN THE FOLLOWING MANNER:

APPLY A 19 INCH STRIP OF UNDERLAYMENT FELT PARALLEL WITH AND STARTING AT THE EAVES, FASTENED SUFFICIENTLY TO HOLD IN PLACE. STARTING AT THE EAVE, APPLY 36 INCH 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 SHINGLE FASHION, PARELLEL TO AND STARTING FROM THE EAVE AND LAPPED 2 INCHES, FASTENED SUFFICIENTLY TO HOLD IN PLACE. END LAPS SHALL BE OFFSET BY 6 FEET.

VENTILATION NOTES:

1. ALL ATTICS, CRAWL SPACES AND OTHER CONCEALED AREAS SHALL BE VENTILATED AS PER LOCAL BUILDING CODES.
2. SOFFIT VENT SHALL BE EQUAL TO AIR VENT 2" CONT. ALUM. SOFFIT VENT.
3. RIDGE VENTS SHALL BE AIR VENT RIDGE UNIVENT. TERMINATE RIDGE VENTS WITH MANUFACTURER'S STANDARD END CAP. CUT ROOF DECK BACK TO PROVIDE AIR PASSAGE AS RECOMMENDED BY MANUFACTURER. OWNER OR BUILDER SHALL SELECT COLOR.
4. WHERE EAVE OR CORNICE VENTS ARE INSTALLED, INSULATION SHALL NOT BLOCK THE FREE FLOW OF AIR. A MIN. OF 1" SPACE SHALL BE PROVIDED BETWEEN INSULATION AND THE ROOF SHEATHING.
5. THE UNDER-FLOOR SPACE BETWEEN THE BOTTOM OF THE FLOOR JOISTS AND THE EARTH UNDER ANY BUILDING (EXCEPT SPACE OCCUPIED BY A BASEMENT OR CELLAR) SHALL BE PROVIDED WITH VENTILATION OPENINGS THROUGH FOUNDATION WALL OR EXTERIOR WALL. THE MINIMUM NET AREA OF VENTILATION OPENINGS SHALL NOT BE LESS THAN 1 SQUARE FOOT FOR EACH 150 SQUARE FEET OF UNDER FLOOR SPACE AREA. ONE SUCH VENTILATING OPENING SHALL BE 3 FEET OF EACH CORNER OF SAID BUILDING.
6. CRAWL SPACE VENTILATION SHALL BE DECORATIVE GRILLES AS SHOWN ON ELEVATION IF SHOWN WITH INSECT SCREEN ON INSIDE OR SHALL BE MANUALLY OPERATED VENTS.
7. THE TOTAL NET FREE VENTILATION AREA SHALL NOT BE LESS THAN 1 TO 150 OF THE SPACE VENTILATED EXCEPT THAT THE TOTAL AREA IS PERMITTED TO BE REDUCED TO 1 TO 300, PROVIDED AT LEAST 50% AND NOT MORE THAN 80% OF THE REQUIRED VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE SPACE TO BE VENTILATED AND AT LEAST 3 FEET ABOVE EAVE OR CORNICE VENTS WITH THE BALANCE OF THE REQUIRED VENTILATION PROVIDED BY EAVE OR CORNICE VENTS.

SHINGLE 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 HIGHER ABOVE GRADE.
2. THE BASIC WIND SPEED IS 120 MPH OR GREATER.
3. SPECIAL WIND ZONES.

WALL SHEATH. OR CLAD. REQ. FOR WIND LOAD-EXP. B

SHEATHING LOCATION	STUD SPAC.	E	F
		MAX. NAIL SPAC. FOR 8d COM. NAILS OR 10d BOX NAILS (INCHES, O.C.)	
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

130 MPH WINDS-EXPOSURE "B" (TYP.)

ROOF SHEATH. OR CLAD. REQ. FOR WIND LOAD-EXP. B

SHEATHING LOCATION	RAFTER/TRUSS SPAC.	E	F
		MAX. NAIL SPAC. FOR 8d COM. NAILS OR 10d BOX NAILS (INCHES, O.C.)	
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	6
	24" O.C.	6	6

130 MPH WINDS-EXPOSURE "B" (TYP.)

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 BELOW.

WALL ASSEMBLY TO WALL ASSEMBLY:

STORY TO STORY 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 BELOW.

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 A653 GRADE 33 STEEL STRAP SHALL BE NAILED TO THE WALL STUDS AND HAVE A MINIMUM EMBEDMENT OF 7 INCHES IN CONCRETE FOUNDATIONS AND SLABS-ON-GRADE, 15 INCHES IN MASONRY BLOCK FOUNDATIONS, OR BE LAPPED UNDER THE BOTTOM PLATE, 3 INCH SQUARE WASHERS SHALL BE USED ON THE ANCHOR BOLTS AND ANCHOR BOLT SPACINGS SHALL NOT EXCEED THE REQUIREMENTS. STEEL STRAPS EMBEDDED IN OR IN CONTACT WITH SLAB-ON-GRADE OR MASONRY BLOCK FOUNDATIONS SHALL BE HOT-DIPPED GALV. AFTER FABRICATION, OR MANUF. FROM G185 OR 2450 GALV. STL. CONNECTIONS SHALL BE IN ACCORDANCE WITH TABLE BELOW.

HEADER SPANS-FOR INT. LOADBEARING WALLS

HEADER SUPPORTING	SIZE	BLDG. WIDTH (ft.) 12	24	36
		SPANS (ft-in.)		
ONE FLOOR (CENTER BEARING)	(2)2x4'S	4'-4"	3'-1"	2'-8"
	(2)2x6'S	6'-5"	4'-8"	3'-9"
	(2)2x8'S	8'-1"	5'-9"	4'-8"
	(2)2x10'S	9'-11"	7'-0"	5'-9"
	(2)2x12'S	11'-6"	8'-1"	6'-7"
	(3)2x6'S	10'-2"	7'-2"	5'-10"
	(3)2x10'S	12'-5"	8'-9"	7'-2"
	(3)2x12'S	14'-4"	10'-2"	8'-3"
	(4)2x6'S	11'-6"	8'-3"	6'-9"
	(4)2x10'S	14'-4"	10'-1"	8'-3"
	(4)2x12'S	*	11'-9"	9'-7"

* MAX. SPAN EXCEEDS 16' (SPANS LIM. TO 16')
EACH W/ 1/2" PLYWD. SPACER BETWEEN

HEADER SPANS-EXPOSURE B FOR EXTERIOR LOADBEARING WALLS

HEADER SIZE	SPAN	NO. FULL HGT. STUDS REQ. AT EA. END
(2)2x4'S	4'-7"	2
(2)2x6'S	5'-6"	2
(2)2x8'S	6'-1"	3
(2)2x10'S	6'-8"	3
(2)2x12'S	7'-1"	3
(3)2x8'S	7'-5"	3
(3)2x10'S	8'-3"	3
(3)2x12'S	8'-8"	3
(4)2x8'S	8'-7"	3
(4)2x10'S	9'-6"	3
(4)2x12'S	10'-0"	4

130 MPH WINDS-EXPOSURE "B" (TYP.)
EACH W/ 1/2" PLYWD. SPACER BETWEEN

JACK STUD REQ.-FOR INT. LOADBEARING WALLS

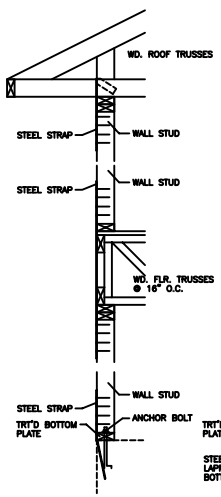
HEADER SUPPORTING	HEADER SPAN (ft.)	ROOF SPAN (ft.) 36 FEET 3"	4.5"	5"	6.5"
ROOF AND CEILING	2	1	1	1	1
	4	1	1	1	1
	6	2	1	1	1
	8	2	2	2	1
	10	3	2	2	2
	12	3	2	2	2
	14	4	3	3	2
	16	4	3	3	2
ROOF, CEILING, AND 1 CENTER BEARING FLR.	2	2	1	1	1
	4	3	2	2	2
	6	4	3	3	2
	8	5	3	3	3
	10	6	4	4	3
	12	7	5	4	4
	14	8	5	5	4
	16	9	6	5	5

HEADER WIDTH-3" (2-2x), 4.5" (3-2x), 5", 6.5" (4-2x)
EACH W/ 1/2" PLYWD. SPACER BETWEEN

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	1
	4	1	1	1	1
	6	2	1	1	2
	8	2	2	2	2
	10	3	2	2	2
	12	3	2	2	2
	14	4	3	2	2
	16	4	3	3	2
ROOF, CEILING, AND 1 CENTER BEARING FLR.	2	1	1	1	1
	4	2	1	1	1
	6	2	2	2	1
	8	3	2	2	3
	10	4	3	2	2
	12	4	3	3	2
	14	5	3	3	3
	16	5	4	3	3

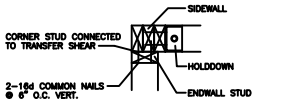
HEADER WIDTH-3" (2-2x), 4.5" (3-2x), 5", 6.5" (4-2x)
EACH W/ 1/2" PLYWD. SPACER BETWEEN



2 A-6 UPLIFT CONNECTIONS
NTS

HOLDDOWNS

HOLDDOWNS ARE REQUIRED AT THE END OF EACH SEGMENTED SHEARWALL SEGMENT OR AT THE EACH END OF A PERFORATED SHEARWALL. WHEN FULL HEIGHT SHEARWALL SEGMENTS MEET AT A CORNER, A SINGLE HOLDDOWN SHALL BE PERMITTED TO BE USED TO RESIST THE OVERTURNING FORCES IN BOTH DIRECTIONS WHEN THE CORNER FRAMING IN THE ADJOINING WALLS IS FASTENED TOGETHER TO TRANSFER THE UPLIFT LOAD. SEE TYP. HOLDDOWN DETAIL 3/A-7.



3 A-7 CORNER HOLDDOWN
NTS

UPLIFT CONNECTIONS-130MPH WINDS EXP. "B"

CONNECTION	FRAMING SPACING (in.)	ROOF SPAN (ft.)	U	L	S	NUM. OF 8d COM. NAILS OR 10d BOX NAILS IN EA. END OF 1-1/4"x20 GA. STRAP
ROOF ASSEMBLY TO WALL ASSEMBLY	16" O.C.	17	386	246	109R	4
WALL ASSEMBLY TO WALL ASSEMBLY	16" O.C.	17	386	246	109R	4
WALL ASSEMBLY TO FOUNDATION	16" O.C.	17	170	185	436	4

SILL or BOTTOM PLATE TO FND. CONNECTIONS RESISTING UPLIFT LOADS-130MPH WINDS EXP. "B"

BOTTOM PLATE TO FND. ANCHOR BOLT CONNECTION RESISTING	FOUNDATION SUPPORTING	MAX. ANCHOR BOLT SPACING (in.) 8' END ZONES	INTERIOR ZONES
UPLIFT LOADS	1-3 STORIES	28	33

SILL or BOTTOM PLATE TO FND. CONNECTIONS RESISTING SHEAR LOADS-130MPH WINDS EXP. "B"

BOTTOM PLATE TO FND. ANCHOR BOLT CONNECTION RESISTING	FOUNDATION SUPPORTING	MAX. ANCHOR BOLT SPACING (in.) 1/2" ANC. BOLTS	5/8" ANC. BOLTS
SHEAR LOADS	1-3 STORIES	30	45

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

DETAILS AND NOTES

BRIAN RIENE
JOSEPH STREET
SLIDELL, LOUISIANA

SUN VALLEY APARTMENTS PHASE 2

DAMMON ENGINEERING. INC.
1065 FLORIDA AVENUE 985-649-5532 SLIDELL, LA. 70458
DAMMONENGINEERING.COM

SCALE:AS NOTED
FILE:
JOB NO. 1697
DATE:01-06-06
SHEET 21
A-12
OF 27