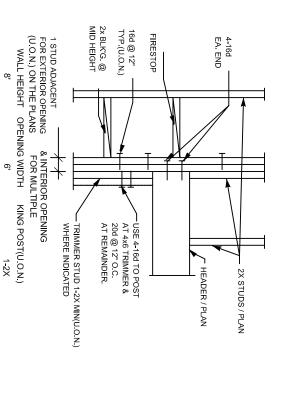
1. JOIST TO SILL OR GIRDER, TOENAIL
2. BRIDGING TO JOIST, TOENAIL EACH END
3. 1" X 6" SUBFLOOR OR LESS TO EACH JOIST, FACE NAIL
4. WIDER THAN 1" X 6" SUBFLOOR TO EACH JOIST, FACE NAIL
5. 2" SUBFLOOR TO JOIST OR GIRDER, BLIND AND FACE NAIL
6. SOLE PLATE TO JOIST OR BLOCKING, TYPICAL FACE NAIL
7. TOP PLATE TO JOIST OR BLOCKING, AT BRACED WALL PANELS
7. TOP PLATE TO STUD, END NAIL
8. STUD TO SOLE PLATE
9. DOUBLE STUD, FACE NAIL
10. DOUBLE TOP PLATES, LAP SPILCE
11. BLOCKING BETWEEN JOIST OR RAFTERS TO TOP PLATE, TOENAIL
12. RIM JOIST TO TOP PLATE, TOENAIL
13. TOP PLATES, LAPS AND INTERSECTION, FACE NAIL
14. CONTINUOUS HEADER, TWO PICCES
15. CEILING JOIST TO PARALLEL RAFTERS, FACE NAIL
16. CONTINUOUS HEADER TO STUD, TOENAIL
17. CEILING JOIST TO PARALLEL RAFTERS, FACE NAIL
18. RAFTER TO PLATE, TOENAIL
19. RAFTER TO PLATE, TOENAIL
20. 1" 8" SHEATHING OR LESS TO EACH BEARING, FACE NAIL
21. 1" x 8" SHEATHING OR LESS TO EACH BEARING, FACE NAIL
22. 1" x 8" SHEATHING OR LESS TO EACH BEARING, FACE NAIL
23. BUILT-UP CORNER STUDS
24. BUILT UP GIRDER BEAMS
24. BUILT UP GIRDER BEAMS
25. 2" PLANKS
26. WOOD STRUCTURAL PANELS AND PARTICLE BOARD: (2)
27. AND LESS
112" AND LESS 9. INTERIOR PANELING 5/8" FIBERBOARD SHEATING: (7) 1/2" PANEL SIDING (TO FRAMING) (2) 1/2" OR LESS TTOMAND STAGGERED 2-20d@ ENDS AND AT EACH SPLICE
2-16d@EACH
BEARING 8d@6"o.c. 2-16d .. ALONG EACH EDGE 6d (3) 8d (4) or 6d (5) 8d (3) 10d (4) or 8d (5) 6d (5) 8d (5) 10d (4) or 8d (5) NO. 11 ga. (8)
6d (4)
NO. 16 ga. (9)
NO. 11 ga. (8)
8d (4)
NO. 16 ga. (9) NAILING

(1) COMMON OR BOX NAILS MAY BE USED EXCEPT WHERE OTHERWISE STATED.
(2) NAILS SPACED AT 6 INCHES ON CENTER AT EDGES, 12 INCHES AT INTERMEDIATE SUPPORTS EXCEPT 6 INCHES AT ALL SUPPORTS WHERE SPANS ARE 48 INCHES OR MORE. FOR NAILING OF WOOD STRUCTURAL PANEL AND PARTICLEBOARD DIAPHRAGMS AND SHEAR WALLS, REFER TO SECTIONS 2315.3.3 AND 2315.4. NAILS FOR WALL SHEATHING MAY BE COMMON, BOX OR CASING
(3) COMMON OR DEFORMED SHANK
(4) COMMON OR DEFORMED SHANK
(5) DEFORMED SHANK
(6) CORROSION-RESISTANT SIDING OR CASING NAILS CONFORMING TO THE REQUIREMENTS OF SECTION 2304.3
(7) FASTENERS SPACED 3 INCHES ON CENTER AT EXTERIOR EDGES AND 6 INCHES ON CENTER AT INTERMEDIATE SUPPORTS.
(8) CORROSION-RESISTANT ROOFING NAILS WITH 7/16" DIAMETER HEAD AND A 1 1/2" LENGTH FOR 13/4" LENGTH FOR 25/32" SHEATHING CONFORMING TO THE REQUIREMENTS OF SECTION 2304.3
(9) CORROSION-RESISTANT STAPLES WITH NOMINAL 7/16" CROWN AND 1 1/8" LENGTH FOR 1/2" SHEATHING AND 1 1/2" LENGTH FOR 25/32" SHEATHING CONFORMING TO THE REQUIREMENTS OF SECTION 2304.3
(10) PANEL SUPPORTS AT 16"[20" IF STRENGTH AXIS IN THE LONG DIRECTION OF THE PANEL, UNLESS OTHERWISE MARKED]. CASING OR FINISH NAILS SPACED 6 INCHES ON PANEL EDGES, 12" AT INTERMEDIATE SUPPORTS.

(11) PANEL SUPPORTS AT 24". CASING OR FINISH NAILS SPACED 6" ON PANEL EDGES, 12" AT INTERMEDIATE SUPPORTS.

| | | | | | | ZD | ROOF FASTENING ZONES | |
|-------------------------|------------|---|---------------------------------------|---------------------|-------------------|------------|--|-------------------------------------|
| WOOD STRUCT | URAL PAN | WOOD STRUCTURAL PANEL FOOR SHEATHING NAILING SCHEDULE | NG NAILING | SCHEDULE | | 7 | | |
| | | 1 | RO | ROOF FASTENING ZONE | ZONE | T | | / |
| | | TANEL [| 1 (2) | 2 | ω | _ | | _ |
| WIND REGION | NAILS | LOCATION | FASTENING SCHEDULE (INCHES ON CENTER) | | x25.4 FOR MM | | Θ | $\stackrel{\downarrow}{\downarrow}$ |
| NTER THAN 90 | | PANEL EDGES (3) | 6 | 6 | 4 (4) | | | |
| WEH | COMMON | PANEL FIELD | 6 | 6 | 4 | | | ** |
| TER THAN 80 MPH | 8d | PANEL EDGES (3) | 6 | 6 | 6 (4) | | ROOF RIDGE | |
| 090 | COMMON | PANEL FIELD | 12 | 6 | 6 | | € | |
| 80 MPH OR LESS | 8d | PANEL EDGES (3) | o | 6 | 0 | | (| |
| | COMMON | PANEL FIELD | 12 | 12 | 12 | | | |
| 1) APPLIES ONLY TO MEAN | N ROOF HEI | SHTS UP TO 35 FEET. FO | R MEAN ROOF H | HEIGHTS OVER 3 | 5 FEET, THE NAILI | NG SHALL B | APPLIES ONLY TO MEAN ROOF HEIGHTS UP TO 35 FEET. FOR MEAN ROOF HEIGHTS OVER 35 FEET, THE NAILING SHALL BE DESIGNED. (2) THE ROOF FASTENING | TENING |

.S ARE SHOWN ABOVE. NGE SPACING ALSO APPLIES OVERROOF FRAMING AT GABLE-END WALLS. SE 8d RING-SHANK NAILS IN THIS ZONE IF MEAN ROOF HEIGHT IS GREATER THAN



TYP. HEADER DETAIL

(U.N.O.)

NOTE:
ALL WALL OPENINGS REQUIRE HEADERS. A
TYPICAL HEADER INSTALLATION IS SHOWN
HERE. TYPICAL HEADER SIZES FOR 4',6',AND 8'
OPENINGS ARE 4"X4",4"X6", OR 4"X8"
RESPECTIVELY. SPECIAL CONSIDERATION,
WHEN REQUIRED, ARE CALLED FOR IN THE

COOLER NAILS
BLOCKED
BOTH SIDES
FOUNDATION
PLATE
ANCHOR BOLTS
LAG BOLTS
STAGGERED
REFERENCE
GAUGE
MINIMUM
BLOCK
ON CENTER
PLYWOOD ABBREVATIONS
GYP
BD.
CONN.
T.N.
(U.O.N)
SCHED.
STR 1
CDX
BLK'G
REQ'D.
SH. W
U.N.O.
CONT. GYPSUM
BOARD
CONNECTION
TOE NAIL
UNLESS OTHERWISE NOTED
SHEAR WALL SCHEDULE
STRUCTURAL 1
EXTERIOR GRADE PLYWOOD
BLOCKING
REQUIRED
SHEAR WALL
UNLESS NOTED OTHERWISE

WHERE SILL PLATE IS DRILLED OR NOTCHED MORE THAN 1/3 OF THE PLATE WIDTH, INSTALL ONE BOLT EACH SIDE OF NOTCH

BREAK IN PLATE

DBL TOP PLATES

STRAPS / PLAN

SILL PLATE BOLTING
USE 12" LONG A. BOLTS@ 3x SILL PLATES

BEAM TO TOP PLATE CONN. (TYP.)

ALT.: 4x / 6x PLATES - USE BUTT SPLICE W/ STRAP AT SIDES / PLAN

BEAM/P

OST/PLAN

C.N. BLKD (BS) FND FND PL (ST) (ST) GA MIN. BLK O.C. PLY

1. NOTES AND DETAILS ON THE STRUCTURAL DRAWINGS TAKE PRECEDENCE OVER THESE STANDARD STRUCTURAL NOTES. TYPICAL DETAILS SHALL BE USED WHENEVER APPLICABLE.

2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, AND SITE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, AND SITE CONTRACTOR SHALL DIMENSIONS BE SCALED FROM PLANS, SECTIONS, OR DETAILS ON THE STRUCTURAL DIMENSIONS BE SCALED FROM PLANS, SECTIONS, OR DETAILS ON THE STRUCTURAL DIMENSIONS BE SCALED FROM PLANS, SECTIONS, OR DETAILS ON THE STRUCTURAL DRAWINGS.

3. ALL OMISSIONS AND CONFLICTS BETWEEN THE VAROUS ELEMENTS OF THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF, AND RESOLVED WITH THE BENGINEER BEFORE PROCEEDING WITH ANY WORK SO INVOLVED.

4. WHERE A CONSTRUCTION DETAIL IS NOT SHOWN OR NOTED, THE DETAIL SHALL BE THE SAME AS FOR OTHER SIMILAR WORK.

5. THE CONTRACTOR SHALL DETERMINE THE LOCATION OF UTILITY SERVICES IN THE AREA TO BE EXCANATED, BEFORE BEGINNING EXCAVATION.

6. NO PIPES, DUCTS, SLEEVES, CHASES, ETC., SHALL BE PLACED IN SLABS BEAMS, OR WALLS, NOR SHALL AHY STRUCTURAL MEMBER BE CUT FOR PIPES DUCTS, ETC. THE CONTRACTOR SHALL AHY STRUCTURAL MEMBER BE CUT FOR PIPES DUCTS, ETC. THE CONTRACTOR SHALL AHY STRUCTURAL MEMBER BE CUT FOR PIPES DUCTS, ETC. THE CONTRACTOR SHALL CONFORM TO THE REQUIREMENTS OF THE STALL ARBUTY OF ALL PERSONS AND PROERTY. THIS ROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMINIFY, AND HOLD ENGINEER REEE AND HARMLESS FROM ALL CLAIMS, DEMANDS AND ALL LABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT FOR LABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE ENGINEERS HORNOLESS FROM ALL CLAIMS, DEMANDS AND ALL LABILITY, REAL OR FEES, BURGINEER TO DESIGN ALL TEMPORARY BRACING, SHORING, AND SUPPORT REQUIRED DURING CONSTRUCTION.

10. INCLUDIES CONTRACTOR, AND STRUCTION. SHALL DEFEND, AND SHALL DEFEND, AND SHALL DEFEND, AND SHALL DEFEND. THE SOLE DURING CONSTR

1. CEMENT SHALL CONFORM TO ASTM C150, TYPEII.
2. AGGREGATES FOR NORMAL WEIGHT CONCRETE SHALL CONFORM TO ASTM C33.
3. READY-MIX CONCRETE SHALL BE MIXED AND DELIVERED IN ACCORDANCE WITH ASTM C94.
4. CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACI301, SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS, EXCEPT AS FOLLOWS:
FOOTINGS & STEM WALLS 2500 PSI, ELEVATOR PIT 3000 PSI SLAB ON GRADE 2500 PSI, ELEVATOR PIT 3000 PSI SLAB ON GRADE 2500 PSI, ELEVATOR PIT 3000 PSI SLAB ON GRADE 2500 PSI, ELEVATOR PIT 3000 PSI SLAB ON GRADE 2500 PSI, ELEVATOR PIT 3000 PSI SLAB ON GRADE USED WITH PRIOR APPROVAL OF THE ENGINEER. ADMIXTURES MAY BE USED WITH PRIOR APPROVAL OF THE ENGINEER.
ADMIXTURES SHALL COMPLY WITH ASTM C494 AND BE OF A TYPE THAT INCREASES THE WORKABILITY OF THE CONCRETE, BUT SHALL NOT BE CONSIDERED TO REDUCE THE SPECIFIED MINIMUM CEMENT CONTENT (CALCIUM CHLORIDE SHALL NOT BE USED).

7. NO CONDUIT PLACED IN A CONCRETE SLAB SHALL HAVE AN OUTSIDE DIAMETER GREATER THAN 1/3 THE THICKNESS OF THE SLAB. NO CONDUIT SHALL BE EMBEDDED IN A SLAB THAT IS LESS THAN 3-1/2" THICK.
EXCEPT FOR LOCAL OFFSETS, MINIMUM CLEAR DISTANCE BETWEEN CONDUITS SHALL BE EMBEDDED IN A SLAB THAT IS LESS THAN 3-1/2" THICK.
EXCEPT FOR LOCAL OFFSETS, MINIMUM CLEAR DISTANCE BETWEEN CONDUITS SHALL BE GOONERS, OR GROUNDS REQUIRED TO BE CAST INTO CONCRETE.

9. REFER TO DRAWINGS OF OTHER DISCIPLINES FOR MOLDS, GROOVES, CLIPS, ORNAMENTS, OR GROUNDS REQUIRED TO BE CAST INTO CONCRETE.

10. CONTRACTOR SHALL SUBMIT MIX DESIGNS FOR REVIEW BEFORE FABRICATION AND INSTALLATION.

11. ALL HOLDOWNS SHALL BE TIED IN F 12. ALL HOLDOWNS SHALL BE BOLTED PLACE PRIOR TO FOUNDATION INSPECTION. TO AT LEAST A 4X MEMBER U.O.N.

FOUNDATION

SECURED IN PLACE PRIOR TO FOUNDATION INSPECTION.
DUNDATIONS SHALL BE NEAT & TRUE TO LINE.
ALL BE KEPT FREE OF LOOSE MATERIAL AND
E PLACEMENT OF ANY CONCRETE.
INCLUDING BACKFILL BEHIND RETAINING
TO AT LEAST 90% OF MAXIMUM DRY DENSITY.
ALLS SHALL BE NON-EXPANSIVE PERVIOUS
ALL NOT BE PLACED UNTIL MASONRY OR
RS HAVE BEEN IN PLACE A MINIMUM OF 14 DAYS
IE DESIGN STRENGTH.
FOR ALL WALLS RETAINING EARTH, PRIOR TO

STRUCTURAL WOOD)UGLAS FIR (DF) OR LARCH GRADE MARKED NCY (WCLIB OR WWPA)

1. ALL WOOD MEMBERS SHALL BE DOUGI BY A RECOGNIZED GRADING AGENCY 2. WOOD GRADES: A) FOR HORIZONTAL MEMBERS: JOISTS & RAFTERS: GRADE #2 BEAMS: GRADE #1 LEDGERS AND NAILERS: GRADE #2 HEADERS: GRADE #2 TOP PLATES: MATCH VERTICAL ME

FOR VERTICAL MEMBERS:

2X4 STUDS: STUD GRADE OR BETTER

2X6 & LARGER STUDS: STUD GRADE OR BETTER

2X6 & LARGER STUDS: STUD GRADE OR BETTER

POSTS: GRADE #2

PLYWOOD SHALL BE APA RATED SHEATHING AND SHALL CONFORM TO

COMMERCIAL PRODUCTS STANDARD PS 2-92 WHERE REQUIRED.

CUTTING, NOTCHING, OR DRILLING OF BEAMS OR JOISTS SHALL BE PERMITTED

ONLY AS DETAILED OR APPROVED BY THE ENGINEER AND/OR PER UBC SECTION

MENT SHALL BE: ASTM A615, GRADE 60 FOR #5 AND LARGER FOR #4 AND SMALLER. FIRM SHALL CONFORM TO ASTM A185 AND SHALL BE LAPPED

REINFORCING STEEL

NCHES MINIMUM.

WICHES MINIMUM.

WIUM LAP SPLICES OF REINFORCING BANCE

CRETE: CLASS B AS DEFINED IN ACI318-89. B) MASONK 1. TO SELECT THE CLASS B AS DEFINED IN ACI318-89. B) MASONK 1. TO SELECT THE CONCRETE WALL SHALL BE ACCURATELY POSITIONED THAT CENTER OF THE WALL UNLES NOTED OTHERWISE.

THE CENTER OF THE WALL UNLES NOTED OTHERWISE.

THE CENTER OF THE WALL UNLES NOTED OTHERWISE.

THE CONCRETE REINFORCING, AND PLACING SHALL BE IN ACCORDANCE OF THE CONCRETE REINFORCING STEEL INSTITUTE "MANUAL OF STANDARD ACTICE", LATEST EDITION.

ACTICE", LATEST EDITION.

ACTICE", LATEST EDITION.

TO STEEL SHALL BE PROVIDED WITH THE FOLLOWING AMOUNTS OF ACTICE SHALL BE PROVIDED WITH THE FOLLOWING AMOUNTS OF ACTICE.

2

3/8" CDX PLYWOOD w/ 8d AT 4" O/C E.N. / 12" O/C F.N.

5/8" DIA A.B. AT 24" O/C

16d AT 4" O/C

A35 AT 12" O/C

16d AT 3" O/C

A35 AT 10" O/C

5/8" DIA A.B. AT 36" O/C

MINIMUM BOTTOM PLATE NAILING

SHEAR TRANSFER RIM JOIST/ BLKG (SEE NOTE 13)

A35 AT 16" O/C

(1,2,3,4,5,6,7,8,9,10,11,12 & 13)

16d AT 6" O/C

3/8" CDX PLYWOOD w/ 8d AT 6" O/C E.N. / 12" O/C F.N.

3

3/8" CDX PLYWOOD w/ 8d AT 3" O/C E.N. / 12" O/C F.N. ON 3x FRAMING (SEE NOTE 15)

 \Box

SYMBOL (PLF)

SHEAR WALL SCHEDULE - CBC 2001

6. REINFORCING STEEL SHALL BE PROVIDED WITH THE FOLLOWING AMOUNTS OF COVER FOR CAST-IN-PLACE CONCRETE:

A) CONCETE DEPOSITED AGAINST EARTH: 3"

B) CONCRETE SURFACE (FORMED) EXPOSED TO EARTH OR WEATHER:

#5 BAR & SMALLER: 1-1/2"

7. ALL REINFORCING STEEL, ANCHOR BOLTS, DOWELS, AND INSERTS SHALL BE WELL SECURED IN POSITION WITH WIRE POSITIONERS BEFORE PLACING CONCRETE OR GROUT.

8. DOWELS BETWEEN FOOTINGS AND WALLS SHALL BE THE SAME GRADE, SIZE, AND SPACING AS VERTICAL WALL REINFORCING.

9. FURNISH #3 SPACER TIES AT APPROXIMATELY 2'-6" O/C IN ALL BEAMS AND FOOTINGS TO SECURE REINFORCING IN PLACE.

5

1/2" CDX PLYWOOD w/ 10d AT 2" O/C E.N. / 12" O/C F.N. ON 3x FRAMING (SEE NOTE 15)

4

1/2" CDX PLYWOOD w/ 10d AT 3" O/C E.N. / 12" O/C F.N. ON 3x FRAMING (SEE NOTE 15)

5/8" DIA A.B. AT 9" O/C w/ 2x SILL AT 18" OC w 3x SILL

16d AT 2" O/C STGRD INTO 4× RIM JOIST/ BLOCKING

5/8" DIA A.B. AT 16" O/C w/ 3× SILL

STRUCTURAL STEEL

STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED, AND ERECTED BY AN APPROVED AND LICENSED FABRICATOR IN ACCORDANCE WITH THE AISC SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS LATEST EDITION (EXCLUDING SECTION A7).

ALL STRUCTURAL STEEL SHALL CONFIRM TO THE ASTM DESIGNATION AS INDICATED BELOW (U.N.O.):

ALL WF SHAPES, U.N.O.

BASE PLATES, CONNECTIONS

STRUCTURAL TUBES-HSS A500, GRADE B, Fy = 46 KS;
PLATES AND MISC.

PIPE COLUMNS

A-307

 \bigcirc

3/8" CDX STRUCTURAL 1 PLYWD B.S w/ 8d AT 3" O/C E.N. / 12" O/C F.N. ON 3x FRAMING (SEE NOTES 16, 17)

3/4" DIA A.B. AT 16" O/C w/ 3x SILL

1/2" DIA × 6" LAGS AT 6" O/C INTO 4× RIM JOIST/ BLOCKING

WHEN AN ASTERIX ACOMPANIES THE SHEAR WALL SYMBOL, SHEATHING IS TO BE CONTINUOUS THROUGH ADJACENT

AR WALL SCHEDULE FOOTNOTES:

6

1/2" CDX STRUCTURAL 1 PLYWOOD w/ 10d AT 2" O/C E.N. / 12" O/C F.N. ON 3x FRAMING (SEE NOTE 15)

3/4" DIA A.B. AT 16" O/C w/ 3× SILL

1/2" DIA × 6" LAGS AT 8" O/C INTO 4× RIM JOIST/ BLOCKING

BOLTS AND ANCHOR BOLTS
THE STRUCTURAL STEEL FABRICATOR SHALL FURNISH SHOP DRAWINGS TO THE ENGINEER OF ALL STEEL FOR ARCHITECT'S AND STRUCTURAL ENGINEER'S REVIEW AND APPROVAL BEFORE FABRICATION.
HOLES IN STEEL SHALL BE 1/16" LARGER DIAMETER THAN NORMAL SIZE OF BOLT USED, EXCEPT AS NOTED.
ALL STRUCTURAL STEEL SURFACES THAT ARE ENCASED IN CONCRETE, MASONRY, OR SPRAY ON FIREPROOFING, OR ARE ENCASED BY BUILD. FINISH, SHALL BE LEFT UNPAINTED.
ALL WELDING TO BE DONE BY CERTIFIED WELDERS USING E70XX ELECTRODES (U.N.O.).
ALL WELDING IN BUILDING CONSTRUCTION (AWS D1.1 LATEST REVISION) OF THE AMERICAN AND WELDING SOCIETY. SEE SPECIAL INSPECTION SECTION STEEL DETAIL DRAWINGS FOR WELDING INSPECTION REQUIREMENTS.
WELD INSPECTION REQUIREMENTS.
WELD SYMBOL IS GIVEN WITHOUT INDICATION OF SIZE, USE MINIMUM SIZE WELDS AS SPECIFIED IN AISC MANUAL OF STEEL CONSTRUCTION, LATEST EDITION.
ALL EXPOSED STRUCTURAL STEEL AND MISCELLANEOUS METAL SHALL BE HOT DIP GALLVANIZED AFTER FABRICATION.

6

12. STUCCO AND/ OR EXTERIOR VENEER OVER PLYWOOD SHEARWALL SHALL BE WATERPROOFED W/ A MIN OF (2) LAYERS OF 15 LB FELT PAPER
13. USE 8d COMMON NAILS FOR ALL SHEAR TRANSFER HARDWARE OR THE HARDWARE MUST BE INSTALLED UNDER THE PLYWOOD SHEATHING
14. APPLIES TO NAILING AT ALL STUDS, TOP AND BOTTOM PLATES AND BLOCKINGS
15. FRAMING ATFOUNDATIONSILL PLATES AND ALL FRAMING MEMBERS RECEIVING EDGE NAILING FROM ABUTTING PANELS SHALL BE 3" NOMINAL OR THICKER A 2x FOUNDATIONSILL PLATE CAN BE USED PER THE ANCHOR BOLT SCHEDULE ABOVE, ALL 3x SILL PLATES, 2x DBL PLATES AND PLYWOOD JOINT NAILING SHALL BE STAGGERED

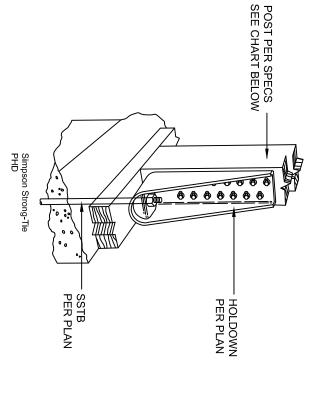
16. FRAMING AT ALL SILL PLATES AND ALL FRAMING MEMBERS RECEIVING EDGE NAILING FROM ABUTTING PANELS SHALL BE 3" NOMINAL OR THICKER, ALL 3x SILL PLATES, 2x DBL PLATES, AND PLYWOOD JOINT NAILING SHALL BE STAGGERED

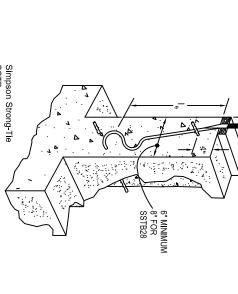
WHERE PLYWOOD PANELS ARE APPLIED ON BOTH FACES OF A WALL, PLYWOOD PANEL JOINTS SHALL OCCUR AT 3× NOMINAL OR THICKER FRAMING MEMBERS, PANEL JOINTS ON EACH SIDE OF WALL SHALL BE STAGGERED

11. FOUNDATION ANCHOR BOLTS IN ALL SHEAR WALLS HAVE SIMPSON BP 5/8" PLATE WASHERS UNDER EACH NUT, THE NUTS SHALL BE TIGHTENED JUST PRIOR TO COVERING THE WALL FRAMING

ANCHOR BOLTS MUST BE EMBEDDED 7" MIN INTO NEW CONCRETE , WHERE SHEAR WALLS ARE TO BE ATTACHED TO EXISTING FOOTING , EPOXY 5/8" DIA, THREADED ROD ANCHORS w/ 5" MIN EMBEDMENT INSTALLED AT THE SPACING INDICATED IN ABOVE SHEAR WALL SCHEDULE USING SIMPSON "SET" HIGH STRENGTH ADHESIVE (ICBO ER-5279) <u>SPECIAL INSPECTION</u>S REQUIRED FOR RETROFIT ANCHORS

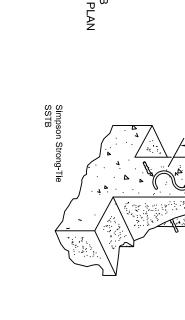
SHEAR PANELS SHALL BE APPLIED DIRECTLY TO STUD FRAMING
PLYWOOD MAY BE INSTALLED EITHER HORIZONTALLY OR VERTICALLY
ALL PLYWOOD PANEL EDGES SHALL BE BLOCKED w/ 2x BLOCKING MIN
SHEAR WALLS MORE THAN ONE VERTICAL PANEL IN HEIGHT SHALL HAVE EITHER VERTICAL OR HORIZONTAL STAGGERED SPLICED JOINTS
PROVIDE 1/2" MIN EDGE DISTANCE FOR ALL PLYWOOD EDGE NAILING
ONLY COMMON NAILS ARE TO BE USED FOR ALL PLYWOOD SHEATHING ATTACHEMENT
NAIL GUNS USING "CLIPPED HEAD" OR "SINKER" NAILS ARE NOT ACCEPTABLE
ALL BOLT HOLES TO BE DRILLED 1/32" MIN TO 1/16" MAX OVERSIZED
USE DOUGLAS FIR #2 PRESSURE TREATED SILL PLATES, ENGINEER TO BE NOTIFIED FOR REDESIGN IF OTHER SPECIES SILL PLATES ARE USED
OR ARE PART OF EXISTING BUILDING

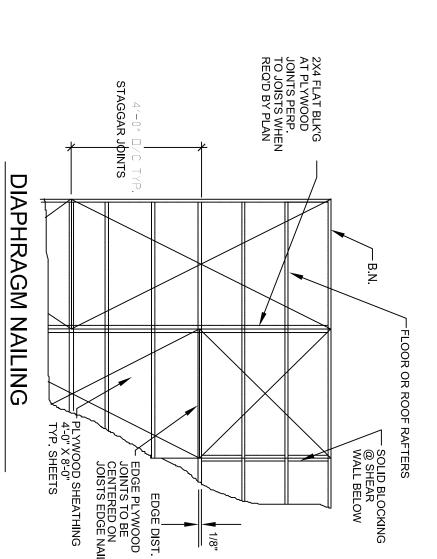




| 4X | 4x | 4X | 4x | STUD SIZE | POST OR | | |
|--------|--------|--------|--------|-----------|-----------------------------|-----------|--|
| 1 3/8 | 1 3/8 | 1 3/8 | 1 3/8 | 'CL' | DIM FOR BOLT | | |
| 7/8 | 7/8 | 5/8 | 5/8 | DIA | HOLDOWN | | |
| SSTB28 | SSTB28 | SSTB20 | SSTB16 | MONO POUR | APPLICABLE SI | FASTENERS | |
| SSTB34 | SSTB34 | SSTB24 | SSTB20 | DUAL POUR | APPLICABLE SIMPSON SSTB (1) | | |
| 24 | 18 | 14 | 10 | QTY | SDS 1/4 X 3 | | |

HOLDOWN ANCHORS AND ANCHOR BOLTS





| <u> </u> | 2X4 FLAT BLK'G AT PLYWOOD JOINTS PERP. TO JOISTS WHEN REQ'D BY PLAN 4'-0" D/C TYP. STAGGAR JOINTS |
|-------------------|--|
| DIAPHRAGM NAILING | B.N. SOLID BLOCKING @ SHEAR WALL BELOW WALL BELOW FLYWOOD SHEATHING B.N. PLYWOOD SHEATHING |

SHEAR WALL NAILING

-SILL PL (ANCHORS PER SHEAR WALL SCHEDULE)

- PLYWOOD SHEAR
PANEL PER SHEAR
WALL SCHEDULE
- PANEL JOINTS TO
BE CENTERED

FIELD NAILING (FN)

- BLK 'G CENTER ON HORIZ. PANEL JOINTS

EDGE NAILING (EN) STAGGER

BOUNDARY NAILING

DBL TOP PLATES

| CIVIL ENGINEERING DESIGN GROUP CIVIL & STRUCTURAL ENGINEERS 1057 SYCAMORE AVENUE VISTA, CA 92083 WWW.CDGENGINEERING.COM (760) 599 8566 | |
|---|---|
| BLUM RESIDENCE XXXXX LANCASHIRE WAY | MIN 2 BOLTS IN EACH SILL SECTION 5/8"Ø X 10" A.BOLTS @ 48" O/C TYP; SEE SHEARWALL SCHED. FOR OTHER SPACINGS AT SHEARWALLS ONE A. BOLT WITHIN 12" OF THE ENDS OF A SILL PLATE. |

- POST CAP/PLAN

| | CIVIL ENGINEERING DESIGN GROUP CIVIL & STRUCTURAL ENGINEERS 1057 SYCAMORE AVENUE VISTA, CA 92083 | BLUM RESIDENCE | |
|-------------|--|--|----------|
| 1 | www.cdgengineering.com (760) 599 8566 | XXXXX LANCASHIRE WAY | |
| | (/6U) 377 8901 | SAN DIEGO CA. SZ IZO | |
| DRAWN: M.L. | DATE: 12- 20-07 | DATE: 12-20-07 TITLE: NOTES, NAILING AND SHEAR WALL SCHEDULE | Ш |
| DESIGN - MA | DATE: | PROJECT NIJMBER: | <u>.</u> |

| CIVIL ENGIN | CIVIL ENGINEERING DESIGN GROUP | | |
|---|---------------------------------------|--|-------|
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| www.cdgenginee [760] 599 8566 | WWW.CDGENGINEERING.COM [760] 599 8566 | XXXXX LANCASHIRE WAY | |
| [8] (760) 599 8901 | 9 8901 | SAN DIEGO CA. 92128 | |
| DRAWN: M.L. | DATE: 12 -20-07 | DATE: 12-20-07 TITLE: NOTES, NAILING AND SHEAR WALL SCHEDULE | П |
| DESIGN: M.A. | DATE: | PROJECT NUMBER : | SHEET |
| CHECKED: | DATE: | SCALE: NOT TO SCALE | SN-1 |