## STRUCTURAL NOTES THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE 1TH EDITION, FBCR 2020 (WIND LOAD @ 140 MPH.) 2. WINDOWS, DOORS, AND GARAGE DOORS TO BE DESIGNED TO MEET FBCR SECTION R3ØI 3. ALL FLOOR SLABS TO BE OF 2,500 PSI CONC. PLANT MIX MIN. 4" THICK WITH 6x6 10/10 WIRE MESH 6 MIL. POLY, VAPOR-BARRIER OVER TERMITE TREATED COMPACTED CLEAN FILL ALTERNATE REINFORCING FIBER MESH REINFORCEMENT 4. CONCRETE MASONRY UNITS SHALL MEET: CH. 1-3 OF ACI 530/ ASCE 5/TMS 402 OR BIA BUILDING CODE REQUIREMENTS. MORTAR TO BE TYPE "M" OR "S" GROUT - 2500 PSI @ 28 DAYS 6. MASONRY CLEAN OUTS REQUIRED @ GROUT GREATER THAN FIVE (5) FEET IN HEIGHT AND ALL VERTICALS.

REBAR TO BE # 5'S GRADE 60. W/ MIN. LAP OF 25", USE "L" BARS

@ CORNERS AND USE STANDARD HOOKS @ CHANGE IN DIRECTION

8. GYP. BD. CEILING SHALL BE INSTALLED PERP. TO FRAMING & NAILED

9. UPLIET CONNECTOR'S TO PROVIDE CONTINUITY FROM ROOF TRUSSES

THRU PLATES TO SLAB AND FOUNDATION PER ENCLOSED DETAILS.

THREADED ANCHOR ROD MAY BE USED IN LIEU OF ANCHOR BOLTS

CONC. HOLE SIZE

AFTER HOLE IS DRILLED ALL CONCRETE DUST MUST BE REMOVED

PRIOR TO EPOXY INSTALLATION. THREADED ROD TO BE MIN. A36

STEEL AND FREE OF DIRT OR GREASE. LOAD ON ROD CANNOT BE

ALL WOOD TO BE SPECIES, GROUP, AND GRADE AS NOTED BELOW.

2. ALL STRUCTURAL LUMBER SHALL BE **SPF** (SPRUCE-PINE-FIR) #2 OR

3. END JOINT IN STRUCTURAL DOUBLE TOP PLATE TO BE OFFSET AT

4. PLYWOOD OR OSB. WALL SHEATHING NAIL PATTERN TO BE 100 (

5. NUMBER OF HEADER STUDS AND ADJACENT FULL LENGTH STUDS

8. WHEN ANCHORING MULTIPLE WD. ITEMS TOGETHER, THE LENGTH OF

9. NAIL PATTERN --DOUBLE PLATE 12" O.C., OUTSIDE SPLICE ZONE

-DOUBLE OR TRIPLE HEADER @ 6" O.C., @ EDGE

-HEADER TO STUD @ 4" O.C., EA, HEADER MEMBER

-STUD TO TOP OR BOTTOM PLATE : (2) 16d THRU

PLT. OR (2) 16d EA. SIDE TOE NAILED TO PLT.

-DOUBLE STUDS @ 12" OC

@ 12" O.C., INTERMEDIATE.

Ø. -ROOF SHEATHING SHALL BE FASTENED TO ROOF FRAMING IN

ACCORDANCE WITH TABLE R803.2.3.1. FOR SHINGLE ROOF TO

BE MIN. 7/16" OSB, NAILED TO ROOF TRUSSES SPACED @ 24"

-ROOF SHEATHING FOR TILE ROOF TO BE MIN. 19/32" OSB

( SEE NOTE 4 )

PER WALL AND HEADER STUD REQUIREMENT SCHEDULE.

6. MAX. 1" HOLE DRILLED INTO EXTERIOR STRUCTURAL STUDS

LEAST 4". STRUCTURAL DOUBLE PLATES TO BE NAILED @ 6" OK.

BETTER UNLESS OTHERWISE NOTED. (PRE ENG. TRUSSES EXCLUDED)

APPLIED UNTIL 12 HOURS AFTER INSTALLATION. 2 COMPONENT

EPOXY RESIN MATERIAL TO BE MIXED PER MFG. DIRECTIONS

MIN. HOLE DEPTH

FOR USE AS PLATE ANCHORS OR HURRICANE ANCHORS.

@ 7" O.C. WITH 5d NAILS, GYP, BD, WALLS SHALL BE NAILED @8" O.C.

WITH MIN. LAP 12

WITH 5d NAILS

ANCHOR SIZE

Ø. EPOXY ANCHOR ALTERNATIVE:

THE FOLLOWING CRITERIA MUST BE MET

SOIL BEARING CAPACITY 2000 PSF MINIMUM

WOOD STRUCTURAL NOTES

DAMAGED WOOD NOT TO BE USED.

6" O.C., UNLESS OTHERWISE NOTED.

7. DBL. STUDS @ EA. END OF SHEAR WALL

O.C. (MAX) WITHOUT BLOCKING.

SHANK RSRS-ØI NAILS.

HURRICANE STRAP MUST BE CENTERED.

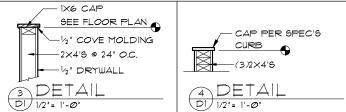
MISSED LINTEL STRAPS FOR MASONRY CONSTRUCTION MAY BE SUBSTITUTED W/ (1) USP MTWI6 OR HCIØ OR SIMPSON MTSMI6 W/ (4) 1/4" × 21/4" TAPCONS TO BOND BEAM AND (7) 10/2 NAILS TO TRUSS FOR UPLIFTS LESS THAN 860 LBS (USE (2) MTSMIG FOR UPLIFTS LESS THAN 1720#), NO MORE THAN 10 STRAPS MAY BE SUBSTITUTED OR NO MORE THAN 3 IN A ROW. IF GIRGER TRUSS CONNECTIONS ARE MISSED CONTACT ENGINEER FOR SUBTITUTION

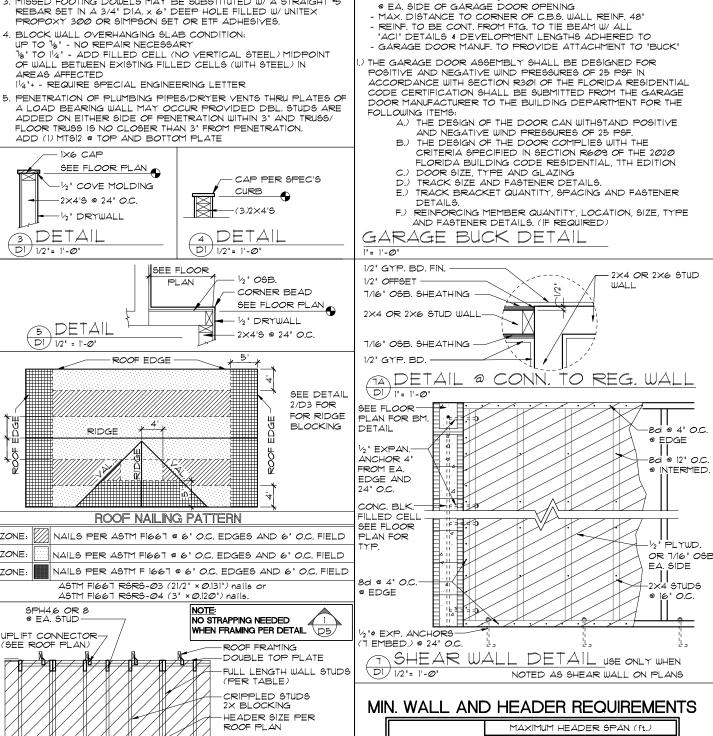
FIELD REPAIR NOTES

- MISSED J-BOLTS FOR FRAMED EXTERIOR/ BEARING WALLS MAY BE SUBSTITUTED W/ 1/2" DIA. x 7" LONG WEDGE ANCHORS (REDHEADS).
- MISSED FOOTING DOWELS MAY BE SUBSTITUTED W/ A STRAIGHT #5 REBAR SET IN A 3/4" DIA. x 6" DEEP HOLE FILLED W/ UNITEX PROPOXY 300 OR SIMPSON SET OR ETF ADHESIVES
- BLOCK WALL OVERHANGING SLAB CONDITION:
- る" TO 14" ADD FILLED CELL (NO VERTICAL STEEL) MIDPOINT OF WALL BETWEEN EXISTING FILLED CELLS (WITH STEEL) IN AREAS AFFECTED

14 + - REQUIRE SPECIAL ENGINEERING LETTER

PENETRATION OF PLUMBING PIPES/DRYER VENTS THRU PLATES OF A LOAD BEARING WALL MAY OCCUR PROVIDED DBL. STUDS ARE ADDED ON EITHER SIDE OF PENETRATION WITHIN 3" AND TRUSS/ FLOOR TRUSS IS NO CLOSER THAN 3" FROM PENETRATION.





ゟ"X6" (4%" EMB.) HILTI KWK

BOLT WITH 2" WASHERS LOCATED

@ 1',4',\$7' (WITHIN 6" OF SUPPORT

BRACKET FOR GARAGE DOOR)

FROM THE BOTTOM & MIN. EDGE

DETAIL TO SATISFY 140 MPH WIND LOAD

- MASONRY FRAME SHALL BE MIN 8X16 ASTM C-9D GROUT FILLED CELL W/1/2" ASTM 2 #5 REBAR (GRADE 60)

DISTANCE.

-2×6 P.T. WOOD "BUCK"

8" MASONRY WALL

(TOP AND SIDES)

-GARAGE DOOR

# MID WALL BLOCKS 3' 6' 9' 12' 15' CONT STIS @ EA SIDE

HEADER STUDS

P.T. SILL PLATE

SPH4,6 OR 8 @ EA. STUD

TYP. FRAMING FOR OPNGS

(PER TABLE)

PC EXPANSION STRIPS (BOTTOM): NUMBER OF HEADER STUDS SUPPORTING END OF HEADER 2 NUMBER OF FULL-LENGTH STUDS @ EACH END OF HEADER 10' OR LESS GREATER THAN 10' 3

RAFTER REVISIONS **04-13-1**2 -2×4 V#RT 2x8 RIDGE ä ROOF DECKING -H2.50 EA. RETR -2×6 RAFTERS @ TO RDG. BM. 24" O.C -2×4 VERT. @ 48" O.C. ABY, TRUSSES BELOW NAIL TO RAFTER @ TOP Š & PLATE AT BITM III/ (2) 12d NAILS PRE ENG. WD. TRUSSES BELOW 유민물 STIS OR LSTA24 RAFTER TO PLATE TO TRUSSES BELOW BBL. 2×4 PLATE SIDE BY SIDE ALONG VALLEY- SGL. 2X4 PLATE ABOVE TOP CHORD OF TRUSSES - ATTACH W/ (2) 120 NAILS @ EA. INTERSECTION OR 6" O.C. VALLE' IF RIDGE BEAM IS UNDERSIZED-CUT 1 1/2" FROM Ø DETĀĪI END OF RAFTERS ON ONE SIDE AND ADD 2X8 NEXT TO FIRST ONE W/12d'S . 6' O.C. DI) 34" = 1'-0' CONCRETE BLOCK HEADER OR STEEL LINTEL NOTES DETAIL PC EXP. STRIP PC ANCHOR STRIP GLS. BLK. PER PLAN PC PANEL GENERAL REINFOR IYPICAL SEAL ANT PC ANCHOR STRIP 1/4" EXP. BOLT (2) PER ANCHOR MORTAR ASPHAL. EMULSION CONC. BLOCK WALL EXTERIOR FINISH M PANEL ANCHOR CONSTRUCTION  $\triangleleft$ PC PANEL REINFORCING (TOP) USED IN PANELS OVER 25"S.F. IN AREA,IS EMBEDDED HORIZONTALL IN THE MORTAR JOINTS BETWEEN EVERY OTHER COURSE. PANEL REINFORCING IS FORMED OF TWO PARALLEL WIRES, EITHER 15/8" O.C. (FOR USE WITH "THINLINE" SERIES GLS. BLK.) OR 2" O.C. (FOR USE W/ "PREMIERE" SERIES GLS BLK ) W/ BUTT WELDED CROSSWIRES AT M <u>Ö</u>Z4

REGULAR INTERVALS, 4' AND 10' LENGTHS AVAILABLE. PC PANEL ANCHORS (MIDDLE): ARE USED TO TIE PITTSBURGH CORNING GLASS BLOCK PANELS INT

THE SURROUNDING FRAMEWORK WHEN CHANNELS ARE NOT USED. FORMED FROM 20 GAUGE PERFORATED- THEN GALVANIZED STEEL STRIPS, PANEL ANCHORS ARE AVAIL. IN 134" WIDTHS X 24" LENGTHS. 10-01-0

SCALE AS NOTE

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MADE OF WHITE POLYETHYLENE, ARE INSERTED AT THE HEAD AND THE STRIPS REPLACE MORTAR AT THESE POINTS TO CUSHION THE GLASS BLOCK AND ALLOW THE PANEL TO EXPAND & CONTRACT FREELY. FOR METAL CHANNEL OR MASONRY CHASE CONSTRUCTION PC EXPANSION STRIPS ARE AVAILABLE 36 THICK X 4" WIDE X 24" LONG. FOR PANEL ANCHOR CONSTRUCTION, STD. 4" WIDE STRIPS ARE EASILY CUT TO 3" WIDTH, FOR 31/2" "PREMIERE" SERIES BLK., AND TO 214" WIDTH, FOR 31/8" "THINLINE" SERIES BLOCK.

GLASS BLOCK DETAIL

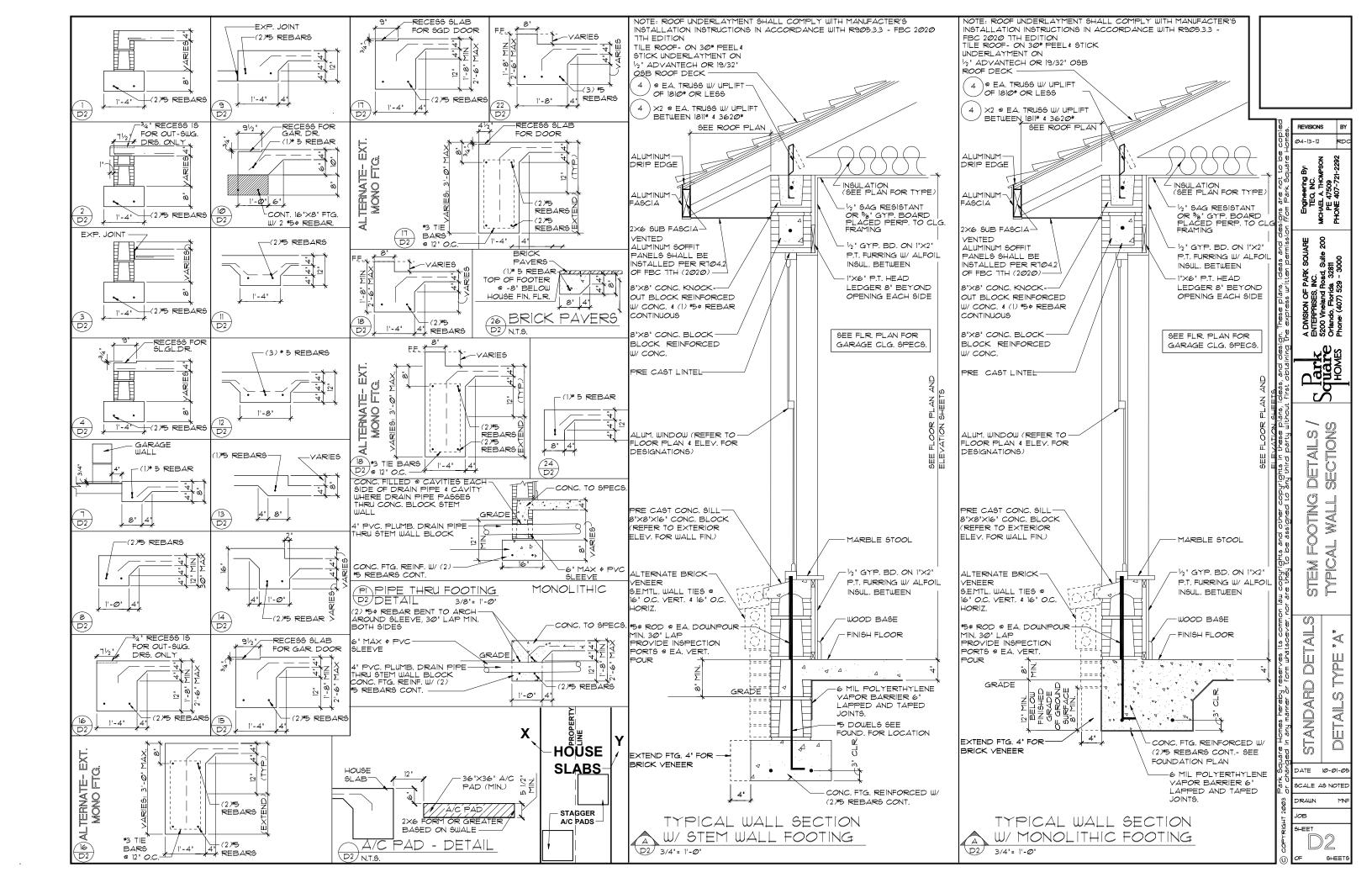
\*8 RING SHANK NAILS AND LIQUID NAIL ADHESIVE. 12. ALL FLOOR TRUSSES TO BE END BLOCKED @ BEARING LOCATIONS

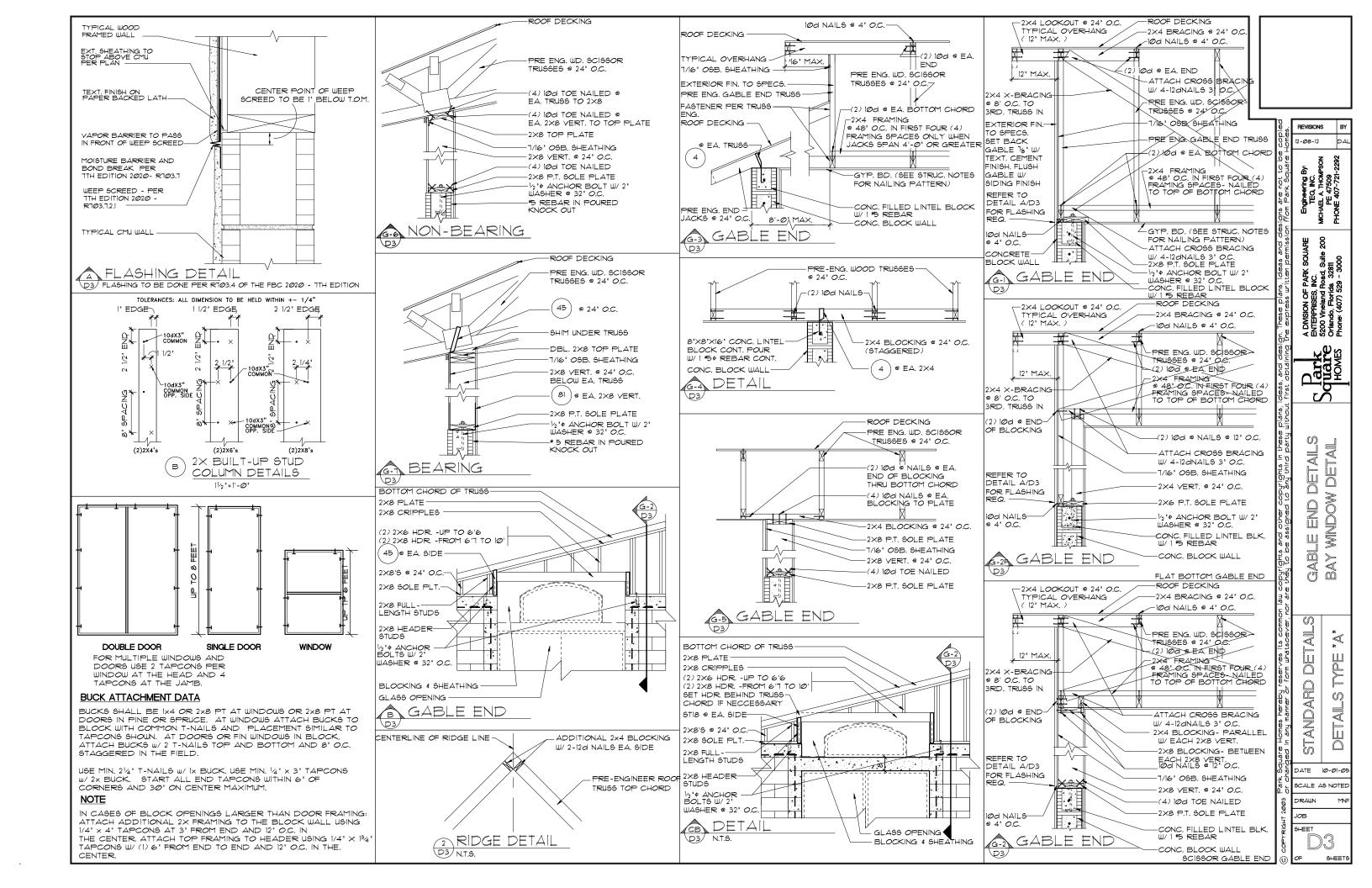
FLOOR SHEATHING TO BE MIN. 23/32" PLYWOOD NAILED @ 6" O.C. W/

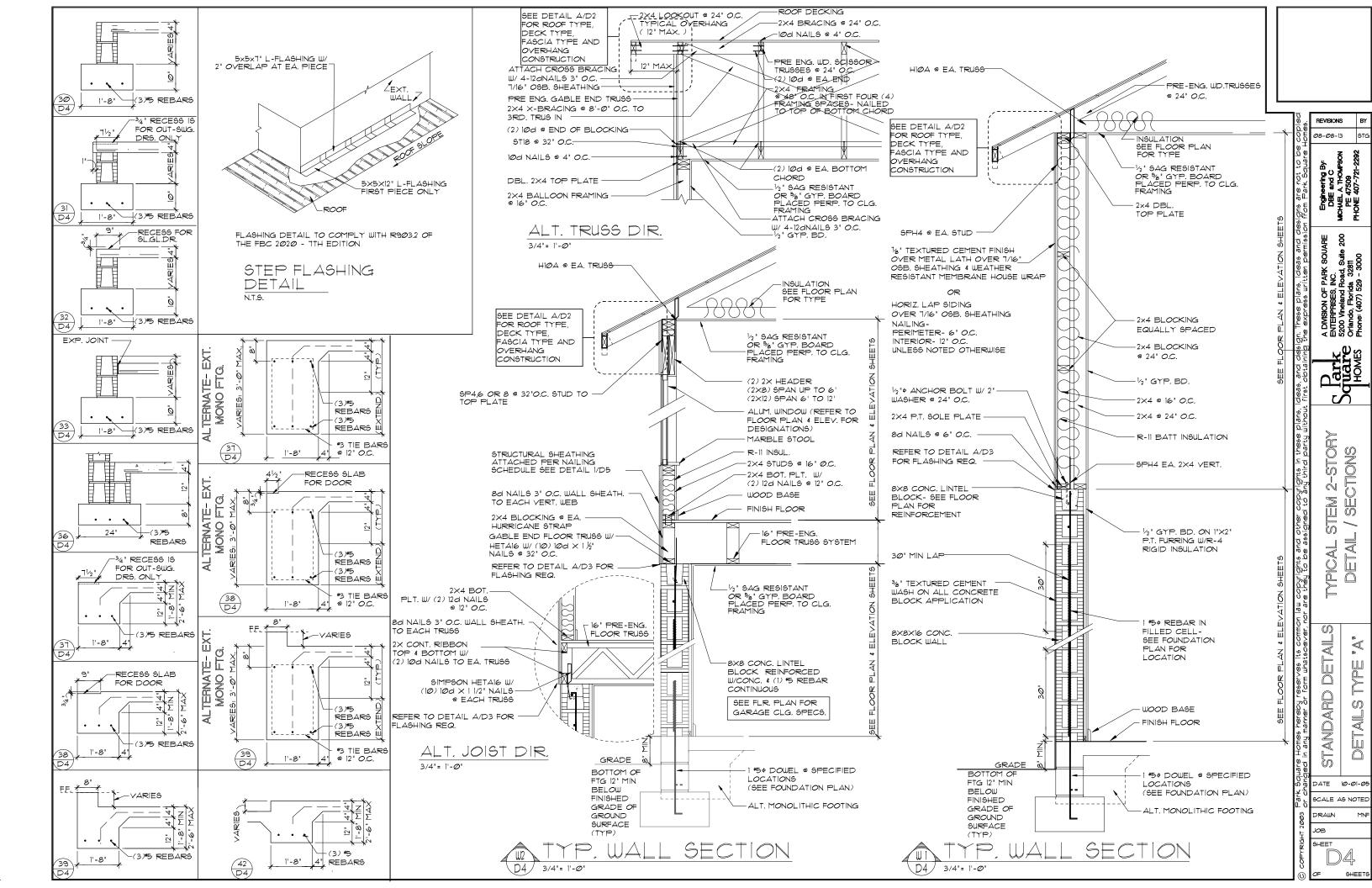
1/2" CDX PLYWOOD OR 1/2" ADVANTECH. NAILED TO ROOF TO ROOF

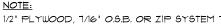
TRUSS SPACED @ 24" O.C. (MAX) WITHOUT BLOCKING, USE RING

- 13. TRUSS BRACING PER TRUSS MANUFACTURE'S DRAWINGS.
- 14. ALL NAILING SPECIFIED TO BE APPLIED BY NAIL GUN OR MANUALLY 5. ALL WOOD IN DIRECT CONTACT WITH MASONRY SHALL BE
- 2000 PSF MINIMUM SOIL BEARING CAPACITY





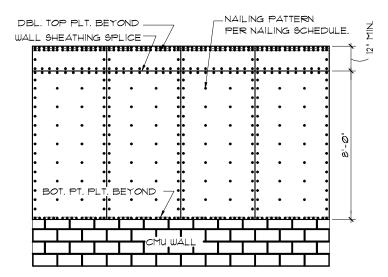




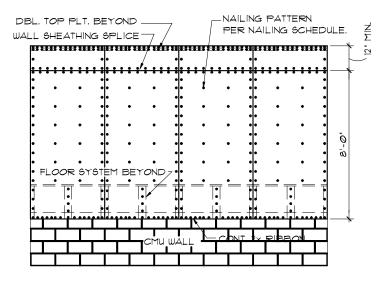
1/2" PLYWOOD, 7/16" O.S.B. OR ZIP SYSTEM TO BE USED AS UPLIFT RESISTANCE NO OTHER FASTENERS REQ'D, EXCEPT AS NOTED ON PLANS IN TWO STORY FRAME APPLICATIONS. SHEATHING SHALL EXTEND MIN. 1'-0" W/O BREAK ABY, 2nd FLOOR BOTTOM PLT. TO T.O.M.

# NAILING SCHEDULE:

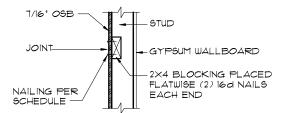
(2)ROWS @ 3" O.C. AT TOP AND (1)ROW AT BOTTOM OF WALL, 6" O.C. ALL OTHER EDGES AND 12" IN FIELD. BLOCKING SHALL BE PLACED AT ALL SHEATHING JOINTS.







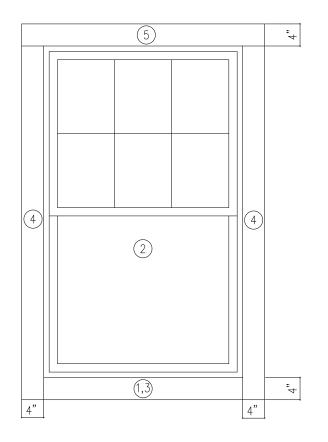
SHEATHING ELEV. N.T.S. 2-STORY FRAMING



SHEATHING BLOCKING C @HORIZONTAL JOINTS

N.T.S





INSTALLATION NOTES:

1. THROUGHOUT INSTALLATION, KEEP THE WINDOW JAMBS PLUMB AND SQUARE. KEEP HEAD ANS SILL LEVEL AND SQUARE. MAKE SURE HEAD AND SILL ARE NOT CROWNED UP OR DOWN. 2. CONSTANTLY CHECK WIDTH AT MEETING RAILS (i.e. DOUBLE HUNGS) TO AVOID "BOWED OUT" INSTALLATION.
3. APPLY GENEROUS BEAD OF CAULK ALONG INTERIOR SURFACE

OF NAILING FIN ON ALL SIDES PRIOR TO SETTING WINDOW INTO

4. PLACE 1/4" SHIMS AT SILL CORNERS AND SET WINDOW INTO 4. PLACE 1/4 SHIMS AT SILL COUNTRY AND SET MINES HITS.
SHIMS. CENTER THE WINDOW IN THE OPENING ALLOWING A 1/4"
GAP BETWEEN WINDOW AND FRAMING MATERIAL ON EACH SIDE. WHEN INSTALLATION IS COMPLETE, THESE SHIMS MAY BE REMOVED.

THE WINDOW. FASTENERS (STRAIGHT, NOT ANGLED) IN EVERY OTHER FASTENER SLOT STARTING AT THE MIDDLE OF THE WINDOW. FASTENER MUST BE EMBEDDED INTO SOLID WOOD A MINIMUM OF 1". KEEP WINDOW LOCKED UNITL ALL SIDES ARE

6. CAULK OVER FASTENERS AND ANY FASTENER SLOTS NOT USED.

7. CAULK OUTSIDE PERIMETER OF INSTALLED WINDOW 8. INSULATE AROUND PERIMETER WITH BATT TYPE INSUALTION.

DO NOT USE EXPANDABLE FOAM.

THE USE OF EXPANDABLE FOAM WILL VOID WARRANTY.

9. FOR ANY INSTALLATION FINISHED WITH BRICK OR STONE, ALLOW 1/4" GAP AT SILL BETWEEN STRUCTURE AND WINDOW. THEN, CAULK THIS GAP.

10. CAULK GAP BETWEEN INSTALLED WINDOW EXTERIOR PERIMETER AND J-CHANNEL (OR BRICK OR OTHER EXTERIOR FINISHING MATERIAL WHICH SURROUNDS WINDOW).

### FLASHING SEQUENCING:

1. APPLY BOTTOM PIECE OF SELF-ADHESIVE TYPE FLASHING OVER ALL OF ROUGH OPENING.

OVER ALL OF ROUGH OPENING.

2. SET WINDOW UNIT.

3. APPLY 2ND BOTTOM PIECE OF SELF-ADHESIVE TYPE FLASHING OVER NAILING FIN AND BLDG PAPER.

4. APPLY SIDE STRIPS OF SELF-ADHESIVE TYPE FLASHING.

5. APPLY TOP PIECE OF SELF-ADHESIVE TYPE FLASHING.

NOTE: SELF-ADHESIVE TYPE FLASHING IS A GENERIC TERM. SEE SPECIFICATIONS FOR MATERIAL TO BE USED.

IMPORTANT:
IT IS THE RESPONSIBILITY OF THE OWNER OR BUILDER TO SELECT PRODUCTS IN COMPLIANCE WITH APPLICABLE LAWS AND BUILDING CODES.

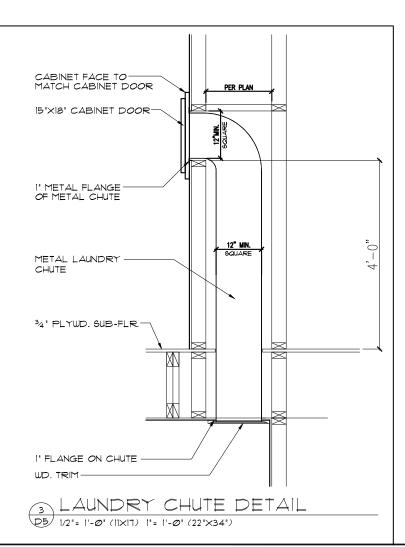
DO NOT USE MURIATIC ACID ON HOMES AFTER INSTALLING THIS

WINDOW. THE ACID MAY DESTROY THE COIL SPRING BALANCE SYSTEM. WINDOWS WILL NOT BE UNDER WARRANTY IF EXPOSED TO MURIATIC ACID.

DO NOT LAY WINDOWS FLAT OR STORE IN SUN BEFORE

INSTALLING.
ALL WARRANTIES NULL AND VOID IF ANY VERTICAL HOLES ARE PUT INTO WINDOW SILL AREA OF ANY WINDOW.





Ø4-13-12

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SHEATHING DETAIL

DETAIL \* DETAILS TYPE

STANDARD

DATE 10-01-05 SCALE AS NOTED DBSS

RAWN JOB

SHEET

SHEETS