### STRUCTURAL NOTES

- THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE W/ FBRC SECT. R301, 1TH EDITION, FBCR2020 (WIND LOAD @ 150 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. 5' THICK WITH 6X6 10/10 WIRE MESH 6 MIL. POLY, VAPOR-BARRIER OVER TERMITE TREATED COMPACTED CLEAN FILL
- 4. CONCRETE MASONRY UNITS SHALL MEET: CH. 1-3 OF ACI 530-02/ ASCE 5-02/TMS 402-02 OR BIA BUILDING CODE REQUIREMENTS.
- 5. MORTAR TO BE TYPE "M" OR "S". GROUT 2*500* 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 WITH MIN. LAP 12
- 8. GYP. BD. CEILING SHALL BE INSTALLED PERP. TO FRAMING & NAILED @ 7" O.C. WITH 5d NAILS, GYP. BD. WALLS SHALL BE NAILED @8" O.C.
- 9. UPLIFT CONNECTOR'S TO PROVIDE CONTINUITY FROM ROOF TRUSSES THRU PLATES TO SLAB AND FOUNDATION PER ENCLOSED DETAILS.
- Ø. EPOXY ANCHOR ALTERNATIVE: THREADED ANCHOR ROD MAY BE USED IN LIEU OF ANCHOR BOLTS FOR USE AS PLATE ANCHORS OR HURRICANE ANCHORS.

MIN. HOLE DEPTH ANCHOR SIZE 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 APPLIED UNTIL 12 HOURS AFTER INSTALLATION. 2 COMPONENT EPOXY RESIN MATERIAL TO BE MIXED PER MFG. DIRECTIONS

SOIL BEARING CAPACITY 2000 PSF MINIMUM

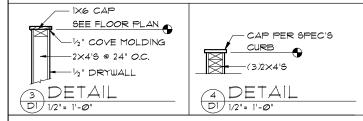
THE FOLLOWING CRITERIA MUST BE MET

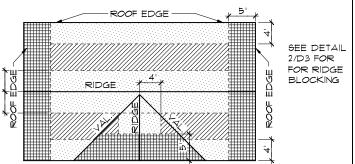
## WOOD STRUCTURAL NOTES

- ALL WOOD TO BE SPECIES, GROUP, AND GRADE AS NOTED BELOW. DAMAGED WOOD NOT TO BE USED.
- 2. ALL STRUCTURAL LUMBER SHALL BE **SPF** (SPRUCE-PINE-FIR) #2 OR BETTER UNLESS OTHERWISE NOTED. (PRE ENG. TRUSSES EXCLUDED)
- 3. END JOINT IN STRUCTURAL DOUBLE TOP PLATE TO BE OFFSET AT LEAST 4". STRUCTURAL DOUBLE PLATES TO BE NAILED @ 6" OK.
- 4. PLYWOOD OR OSB. WALL SHEATHING NAIL PATTERN TO BE IØD : 6" O.C., UNLESS OTHERWISE NOTED.
- 5. NUMBER OF HEADER STUDS AND ADJACENT FULL LENGTH STUDS PER WALL AND HEADER STUD REQUIREMENT SCHEDULE.
- 6. MAX. 1" HOLE DRILLED INTO EXTERIOR STRUCTURAL STUDS.
- 7. DBL. STUDS @ EA. END OF SHEAR WALL
- 8 WHEN ANCHORING MULTIPLE WD. ITEMS TOGETHER THE LENGTH OF HURRICANE STRAP MUST BE CENTERED.
- 9. NAIL PATTERN -DOUBLE PLATE 12" O.C., OUTSIDE SPLICE ZONE SEE NOTE 4
  - -DOUBLE STUDS @ 12" OC -DOUBLE OR TRIPLE HEADER @ 6" O.C., @ EDGE @ 12" O.C., INTERMEDIATE.
  - -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.
- 10. -ROOF SHEATHING SHALL BE FASTENED TO ROOF FRAMING IN ACCORDANCE WITH TABLE R803.2.3.1. FOR SHINGLE ROOF TO BE MIN. 1/16" OSB, NAILED TO ROOF TRUSSES SPACED @ 24 (MAX) WITHOUT BLOCKING. -ROOF SHEATHING FOR TILE ROOF TO BE MIN. 19/32" OSB
- 1/2" CDX PLYWOOD OR 1/2" ADVANTECH . NAILED TO ROOF TO ROOF TRUSS SPACED @ 24" O.C. (MAX) WITHOUT BLOCKING, USE RING SHANK RSRS-ØI NAILS. FLOOR SHEATHING TO BE MIN. 23/32" PLYWOOD NAILED @ 6" O.C. W/
- #8 RING SHANK NAILS AND LIQUID NAIL ADHESIVE.
- ALL FLOOR TRUSSES TO BE END BLOCKED @ BEARING LOCATIONS
- 13. TRUSS BRACING PER TRUSS MANUFACTURE'S DRAWINGS.
- 14. ALL NAILING SPECIFIED TO BE APPLIED BY NAIL GUN OR MANUALLY
- 15. ALL WOOD IN DIRECT CONTACT WITH MASONRY SHALL BE
- 2000 PSF MINIMUM SOIL BEARING CAPACITY

## FIELD REPAIR NOTES

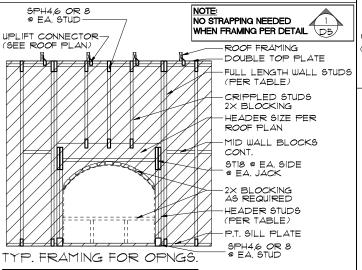
- MISSED LINTEL STRAPS FOR MASONRY CONSTRUCTION MAY BE SUBSTITUTED W/ (1) USP MTWI6 OR HCIØ OR SIMPSON MTSMI6 W/ (4) 1/4" × 21/4" TAPCONS TO BOND BEAM AND (7) 10/2 NAILS TO TRUSS FOR UPLIFTS LESS THAN 860 LBS (USE (2) MTSMIG FOR UPLIFTS LESS THAN 1720#). NO MORE THAN 10 STRAPS MAY BE SUBSTITUTED OR NO MORE THAN 3 IN A ROW. IF GIRGER TRUSS CONNECTIONS ARE MISSED CONTACT ENGINEER FOR SUBTITUTION
- 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 UP TO 1/2" - NO REPAIR NECESSARY な" to 1½" - ADD FILLED CELL (NO VERTICAL STEEL) MIDPOINT OF WALL BETWEEN EXISTING FILLED CELLS (WITH STEEL) IN AREAS AFFECTED 11/4"+ - 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. ADD (1) MTS12 @ TOP AND BOTTOM PLATE

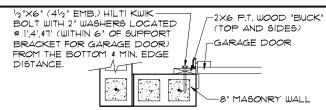




ROOF NAILING PATTERN NAILS PER ASTM F1667 @ 6" O.C. EDGES AND 6" O.C. FIELD ZONE: ZONE: NAILS PER ASTM FI667 @ 6" O.C. EDGES AND 6" O.C. FIELD NAILS PRE ASTMIFIGGT @ 6" OC EDGES AND 6" OC FIELD

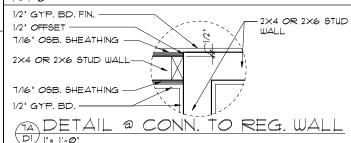
ASTM FI667 RSRS-ØI (23/8" × Ø.II3")

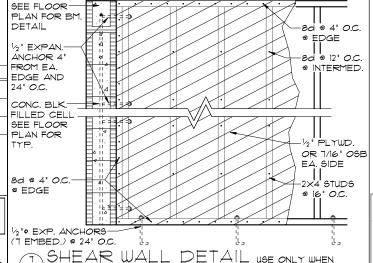




- DETAIL TO SATISFY 140 MPH WIND LOAD
- MASONRY FRAME SHALL BE MIN 8X16 ASTM C-9D
- GROUT FILLED CELL W/1/2" ASTM 2 #5 REBAR (GRADE 60) @ EA SIDE OF GARAGE DOOR OPENING
- MAX. DISTANCE TO CORNER OF C.B.S. WALL REINF. 48'
- REINF, TO BE CONT, FROM FTG, TO TIE BEAM W/ ALL "ACI" DETAILS & DEVELOPMENT LENGTHS ADHERED TO
- GARAGE DOOR MANUE TO PROVIDE ATTACHMENT TO "BUCK
- THE GARAGE DOOR ASSEMBLY SHALL BE DESIGNED FOR POSITIVE AND NEGATIVE WIND PRESSURES OF 25 PSF IN ACCORDANCE WITH SECTION R301 OF THE FLORIDA RESIDENTIAL CODE CERTIFICATION SHALL BE SUBMITTED FROM THE GARAGE DOOR MANUFACTURER TO THE BUILDING DEPARTMENT FOR THE FOLLOWING ITEMS:
  - A.) THE DESIGN OF THE DOOR CAN WITHSTAND POSITIVE AND NEGATIVE WIND PRESSURES OF 25 PSF.
  - THE DESIGN OF THE DOOR COMPLIES WITH THE CRITERIA SPECIFIED IN SECTION R609 OF THE 2017 FLORIDA BUILDING CODE RESIDENTIAL, 6TH EDITION
  - C) DOOR SIZE TYPE AND GLAZING TRACK SIZE AND FASTENER DETAILS.
  - TRACK BRACKET QUANTITY, SPACING AND FASTENER
  - REINFORCING MEMBER QUANTITY, LOCATION, SIZE, TYPE AND FASTENER DETAILS. (IF REQUIRED)

## GARAGE BUCK DETAIL 1"= 1'-0"



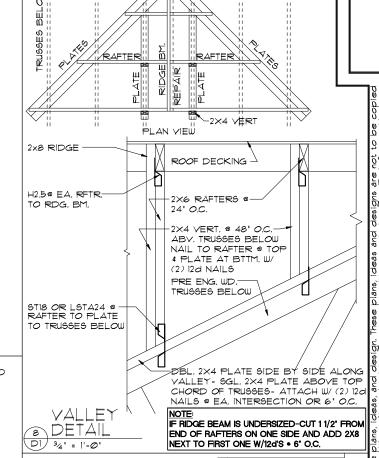


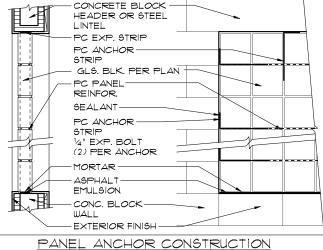
# MIN. WALL AND HEADER REQUIREMENTS

NOTED AS SHEAR WALL ON PLANS

DI) 1/2"= 1'-0"

		MAXIMUM HEADER SPAN (ft.)					
		ā'	6	Ō	12'	Ē	18'
UNSUPPORTED WALL HEIGHT	STUD SPACING	NUMBER OF HEADER STUDS SUPPORTING END OF HEADER					
		1	1	2	2	2	2
		NUMBER OF FULL-LENGTH STUDS © EACH END OF HEADER					
10' OR LESS		2	2	3	3	3	3
GREATER THAN 10'		2	2	3	4	5	5





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 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.

PC EXPANSION STRIPS (BOTTOM):

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 OUT TO 3" WIDTH, FOR 31/2" "PREMIERE" SERIES BLK., AND TO 214" WIDTH, FOR 31/8" "THINLINE" SERIES BLOCK.



SCALE AS NOTE RAUN OB SHEET

REVISIONS

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DETAIL

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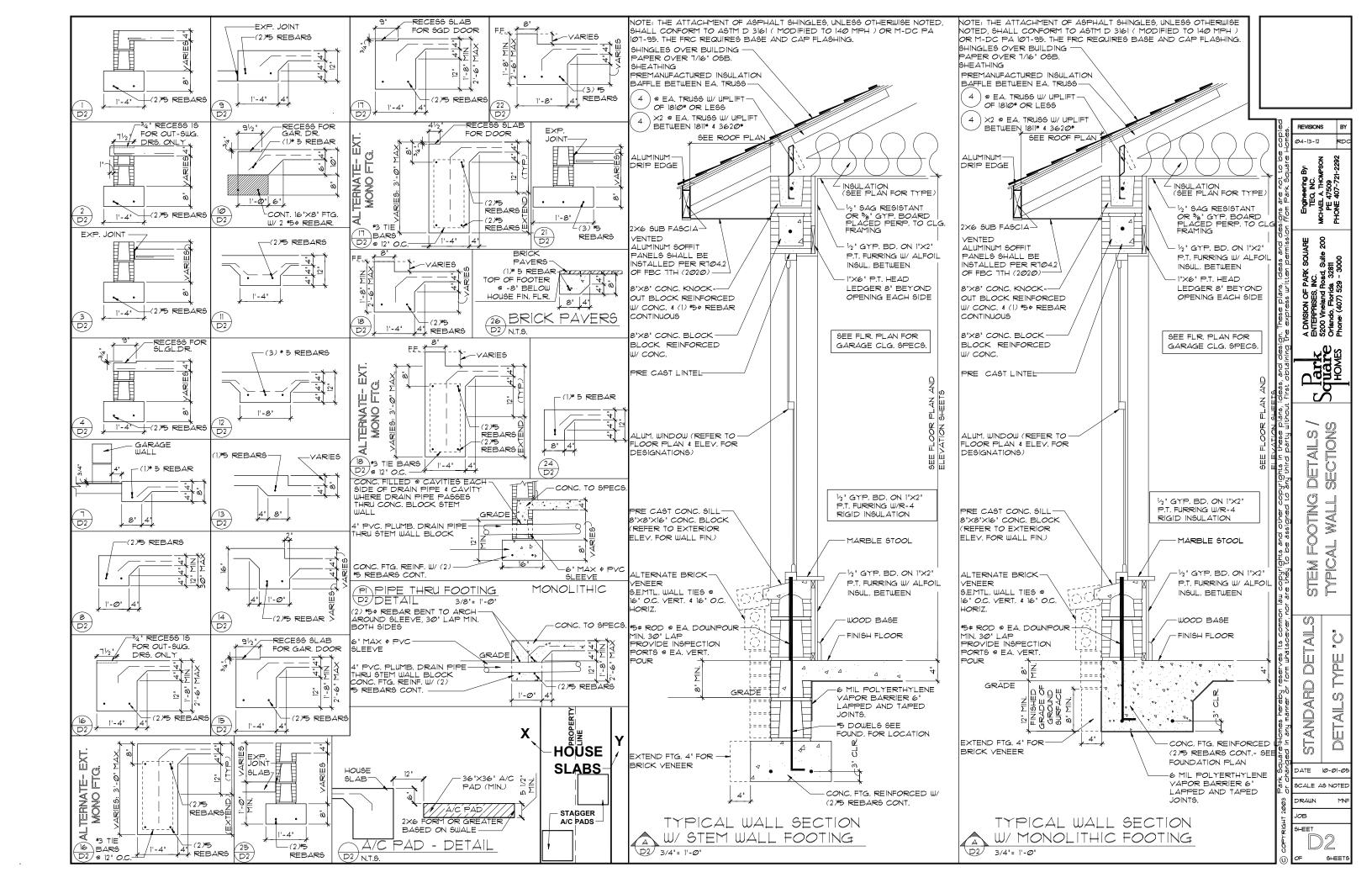
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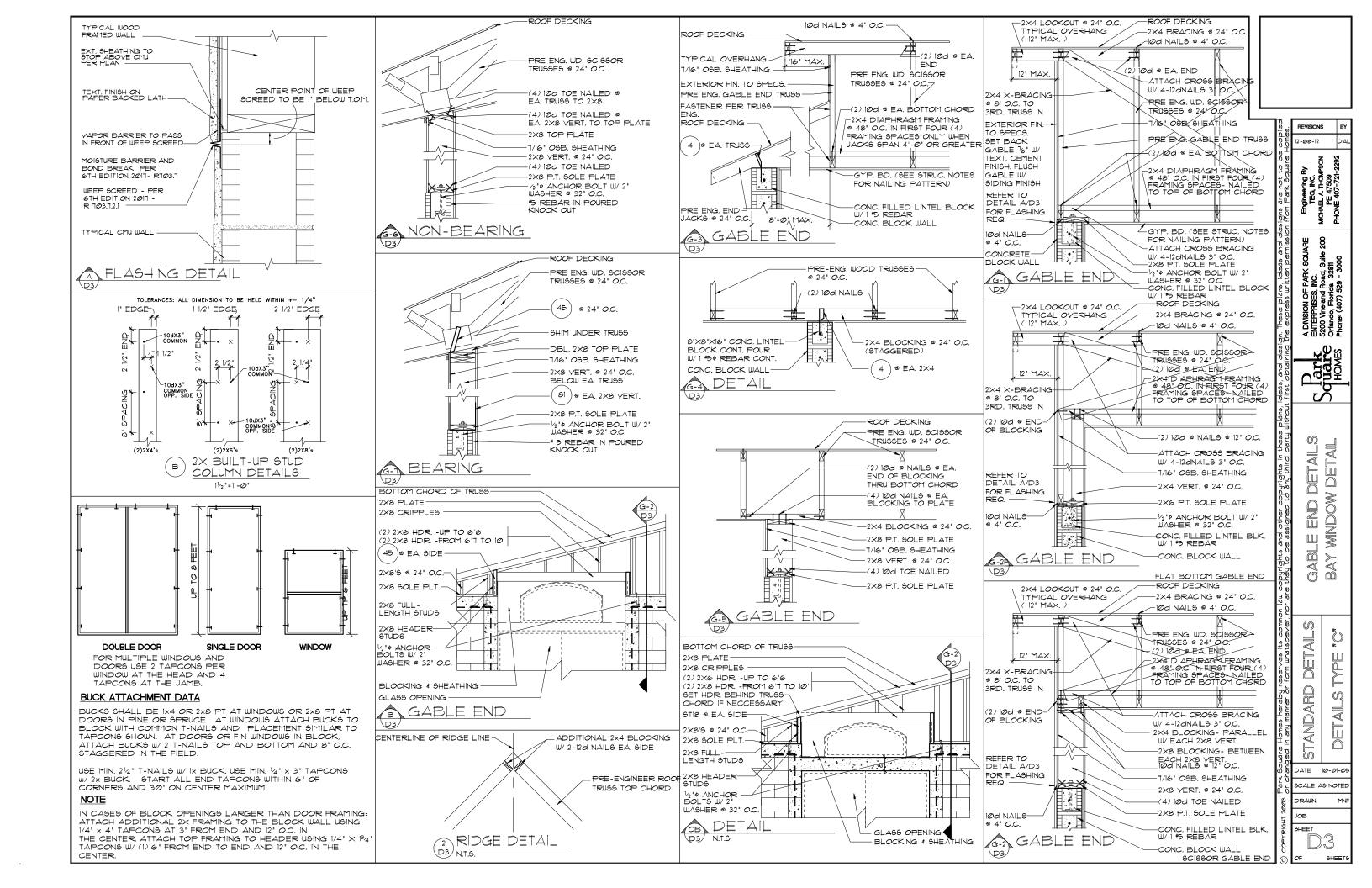
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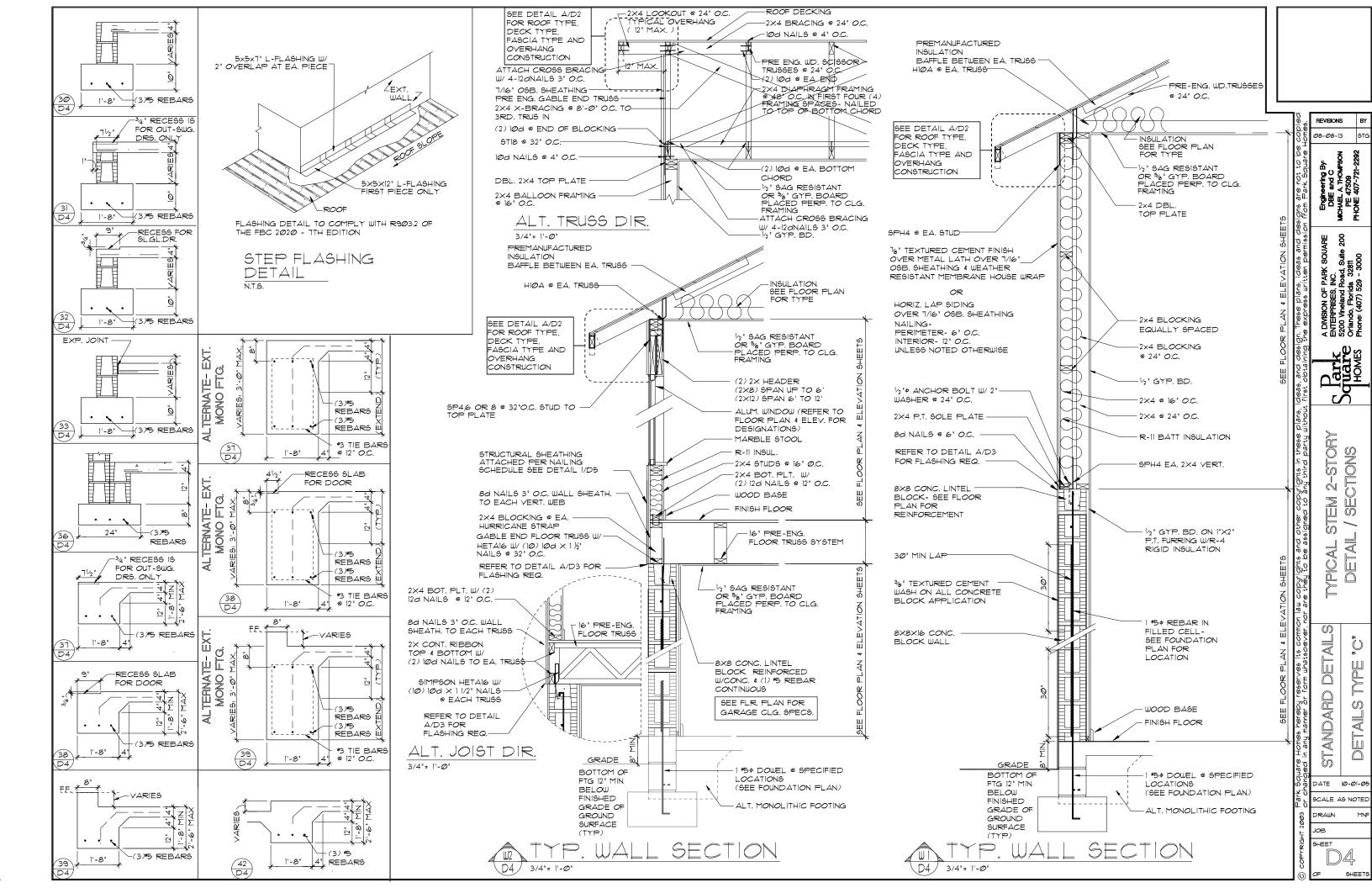
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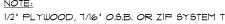
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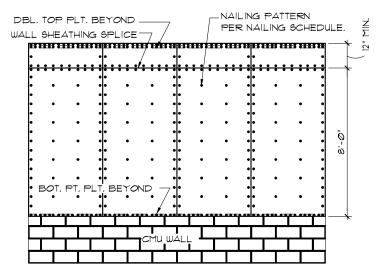




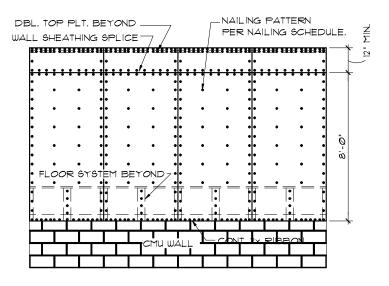
1/2" PLYWOOD, 7/16" O.S.B. OR ZIP SYSTEM TO BE USED AS UPLIFT RESISTANCE NO OTHER FASTENERS REQ'D, EXCEPT AS NOTED ON PLANS IN TWO STORY FRAME APPLICATIONS. SHEATHING SHALL EXTEND MIN. 1'-0" W/O BREAK ABY. 2nd FLOOR BOTTOM PLT. TO T.O.M.

## NAILING SCHEDULE:

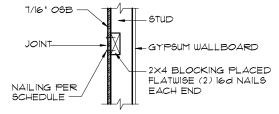
(2)ROWS @ 3" O.C. AT TOP AND (1)ROW AT BOTTOM OF WALL, 6" O.C. ALL OTHER EDGES AND 12" IN FIELD. BLOCKING SHALL BE PLACED AT ALL SHEATHING JOINTS.



SHEATHING ELEV. N.T.S. BALLOON FRAMING



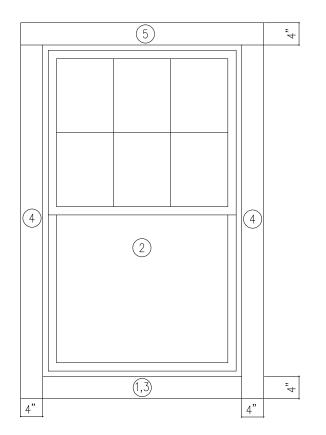
SHEATHING ELEV. N.T.S. 2-STORY FRAMING



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 WINDOW). 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 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 SECURED.

6. CAULK OVER FASTENERS AND ANY FASTENER SLOTS NOT

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.

2. SET WINDOW UNIT.
3. APPLY 2ND BOTTOM PIECE OF SELF-ADHESIVE TYPE
FISHING OVER NAILING FIN AND BLDG PAPER.
4. APPLY SIDE STRIPS OF SELF-ADHESIVE TYPE FLASHING.

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.

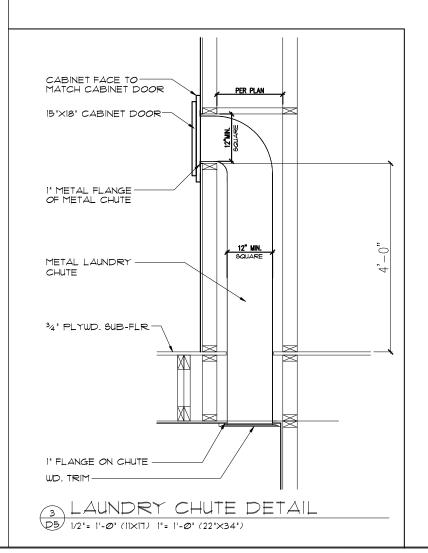
DO NOT USE MURIATIC ACID ON HOMES AFTER INSTALLING THIS

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.

WINDOW FLASHING DETAIL



Ø4-13-12

Engineering By: TEG, INC. MICHAEL A. THOMPSON PE 47509 PHONE 407-721-2292

A DIVISION OF PARK SOUARE ENTERPRISES, INC. 5200 Vineland Road, Suite 200 Orlando, Florida, 3281 Phone: (407) 529 - 3000

SHEATHING DETAIL

DETAIL STANDARD DETAILS

DATE 10-01-05

SCALE AS NOTED RAWN DBSS

JOB SHEET

SHEETS