

# PLOT PLAN

201,234 sq. ft. 4.620 acres 1330 Na



# SITE PLAN NOTES:

OUNER/CONTRACTOR SHALL FIELD VERIFY THE LOT DIMENSIONS, SETBACKS, AND ALL EASEMENTS.

DIMENSIONS ON ANGLED LOT LINES ARE SHOWN PERPENDICULAR TO THE HOME.

DRAINAGE - OWNER/CONTRACTOR SHALL PROVIDE 5% SLOPE (6" IN 10'-0") AWAY FROM THE BUILDING TO INSURE PROPER DRAINAGE.

BERMS OR SWALES MAY BE REQUIRED ALONG THE PROPERTY LINES TO PREVENT STORM WATER FROM FLOWING TO ADJACENT PROPERTIES AND OR

ALL STORM WATER AND DIRT WILL BE KEPT ON SITE DURING CONSTRUCTION UNTIL FINAL LANDSCAPING IS DONE. OWNER/CONSTRUCTOR SHALL BE RESPONSIBLE FOR KEEPING DIRTMUD ON SITE DURING BAD WEATHER AND FOR CLEANING UP AFTER SUBCONTRACTORS.

STREET, CURB, AND GUTTERS WILL BE INSPECTED AND CLEANED OF MUD AND DIRT EACH DAY PER CITY ORDINANCE.

GRAVEL BAGS TO BE PLACED AND MAINTAINED AROUND ANY STORM DRAIN INLET ADJACENT TO OR IMMEDIATELY DOUNSTREAM FROM SITE DURING CONSTRUCTION.

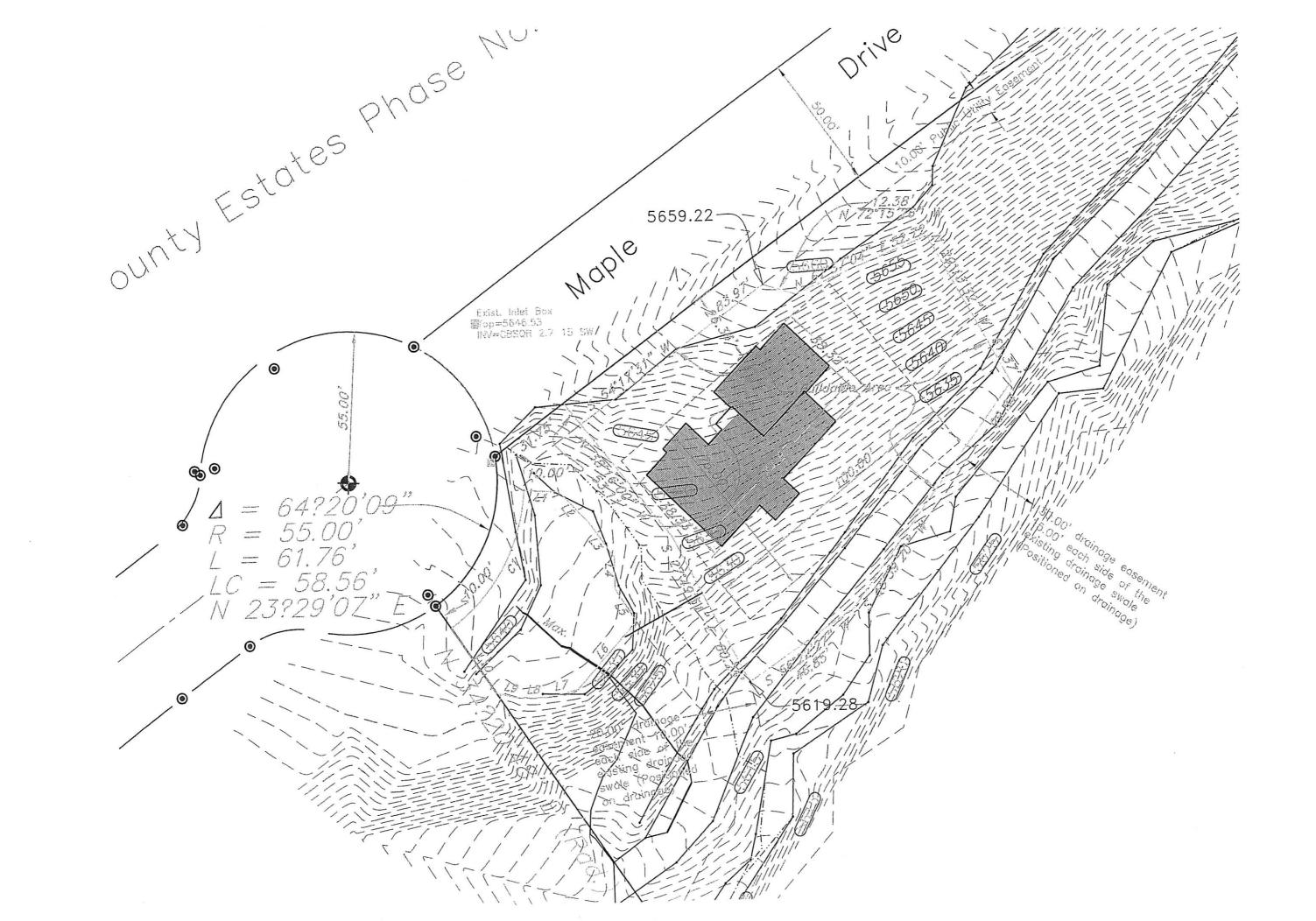
SURFACE DRAINAGE SHALL BE DIVERTED TO A STORM SEWER CONVEYANCE OR OTHER APPROVED POINT OF COLLECTION SO AS TO NOT CREATE A HAZARD.

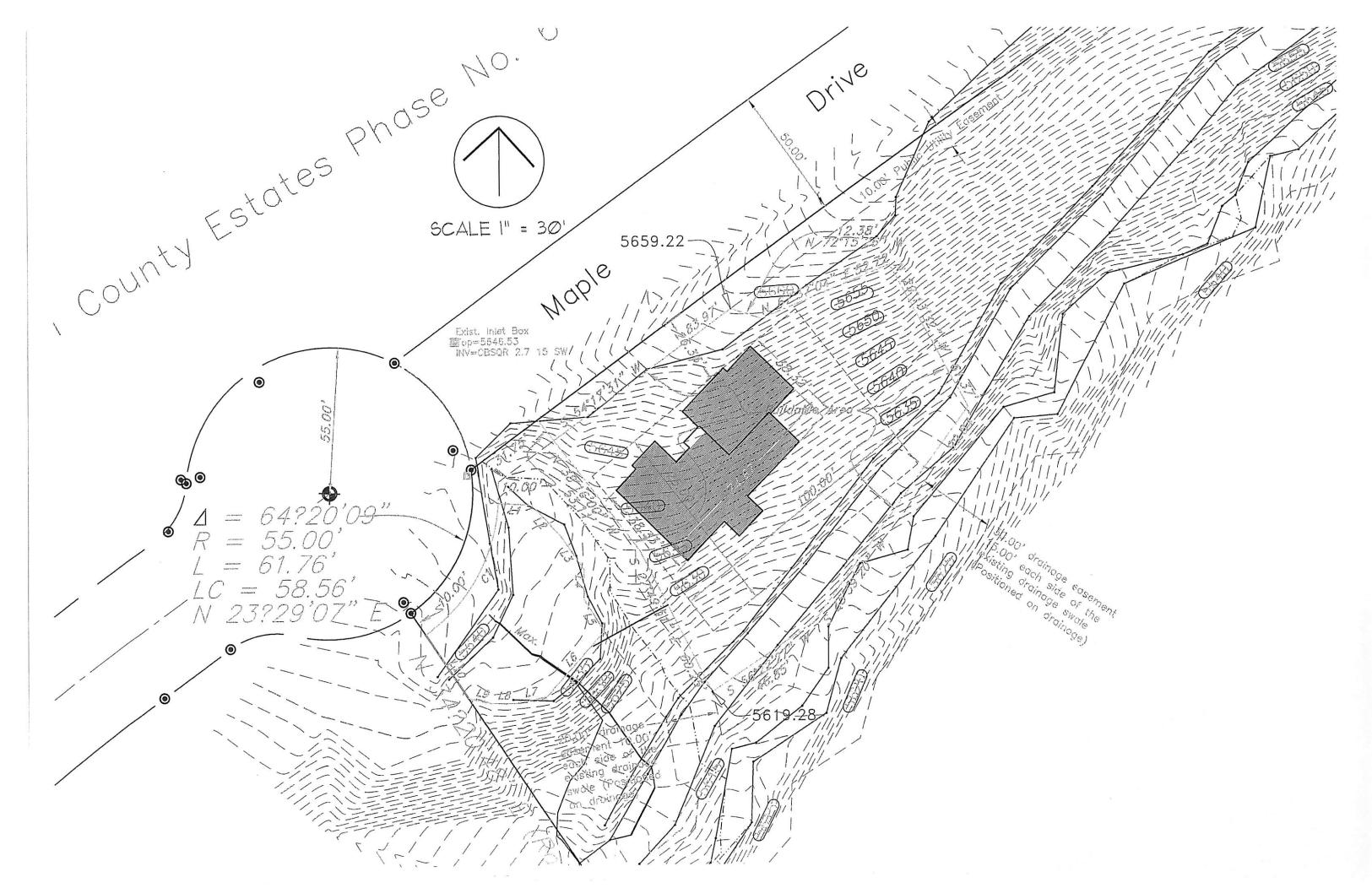
LAND DRAIN - IF A LAND DRAIN IS AVAILABLE IN THE SUBDIVISION. THE LAND DRAIN SHALL BE EXTENDED TO AND CONNECTED TO A FOOTING DRAIN SYSTEM.

CURB AND GUTTER ARE NOT SHOWN FOR CLARITY. PROPERTY LINE GENERALLY STARTS  $10^{\circ}$ - $0^{\circ}$  FROM BACK OF CURB. FIELD YERIFY.

OUNER/CONTRACTOR TO FIELD LOCATE AND IDENTIFY POWER, SEWER AND WATER CONNECTION LOCATIONS.

ELEVATIONS INDICATED ON PLANS ARE APPROXIMATED. OWNER/CONTRACTOR SHALL BE REQUIRED TO FIELD VERIFY EXACT ELEVATION.





AMOND CONTRACTORS

Plans

House

ustom

SCALE 1/8" = 1'-0" 11x17 1/4" = 1'-0" 24x3/

PLAN NUMBER

HILL ESTATES GREEN 1 100 BL,

MAIN FLOOR TF.C.B.- LAP CEILING HEIGHT MAIN FLOOR ELEV. 5653 BSMT. FLOOR ELEV. 5642.33

> FRONT ELEY. YIEW SCALE 1/8" = 1'-0"

WARNING - Signature must be in red or plans and calculations are void. Plans and Calculations submitted 30 days after date in red are void Plans and Calculations are for home and lot list above.



# BRICK VENEER

CORROSION RESISTANT ACHOR TIES EMBEDDED IN MORTAR OR GROUT AND EXTENDING INTO THE VENEER A MINIMUM OF 1-1. INCH, WITH NOT LESS THAN \$" MORTAR OR GROUT COVER TO CUTSIDE FACE.

CORROSION RESISTANT 22 GAGE X 1/8" OR NO, 9 GAGE WIRE SPACED NO MORE THAN 24" O.C. HORIZ, AND VERTICALLY AND SHALL BUPPORT NOT MORE THAN 2.9 SQUARE FEET OF WALL AREA.

STEEL ANGLE - MIN. 6"X4"X2" WITH THE LONG LEG VERTICAL. COMPLY WITH SECTION R103.12.1

ALL STONE AND MASONRY VENEER SHALL COMPLY WITH SECTION R703.1

EXISTING GRADE ELEV. 5655

TOP GARAGE FOUND, 5652 GARAGE FLOOR ELEV. 5651.33

#### ATTIC VENTILATION

**R806** 

R103.7

ATTIC VENTILATION SHALL COMPLY WITH SECTION RBOG.

THE NET FREE VENTILATION SHALL NOT BE LESS THAN INSOIN OF THE AREA OF THE SPACE VENTILATED, EXCEPT THAT THE AREA MAY BE VADOUN FROVIDED THAT AT LEAST 50% OF THE REQUIRED VENTILATING AREA IS LOCATED IN THE UPPER SPACE PORTION OF THE SPACE TO BE VENTILATED AND THE REMAINDER IS PROVIDED BY EAVES OR CORNICE VENTS. IRC

#### EXTERIOR WALL COVERING

ALL EXTERIOR COVERINGS SHALL COMPLY WITH SECTION RT03 STUCCO/(EIFS) - INSTALLATION SHALL COMPLY WITH ASTM E 2568 FIBER CEMENT SIDING - PANEL AND LAP SIDING INSTALLATION SHALL COMPLY WITH ASTM CIIBS. VINTL SIDING - INSTALLATION SHALL COMPLY PER ASTM D 3679

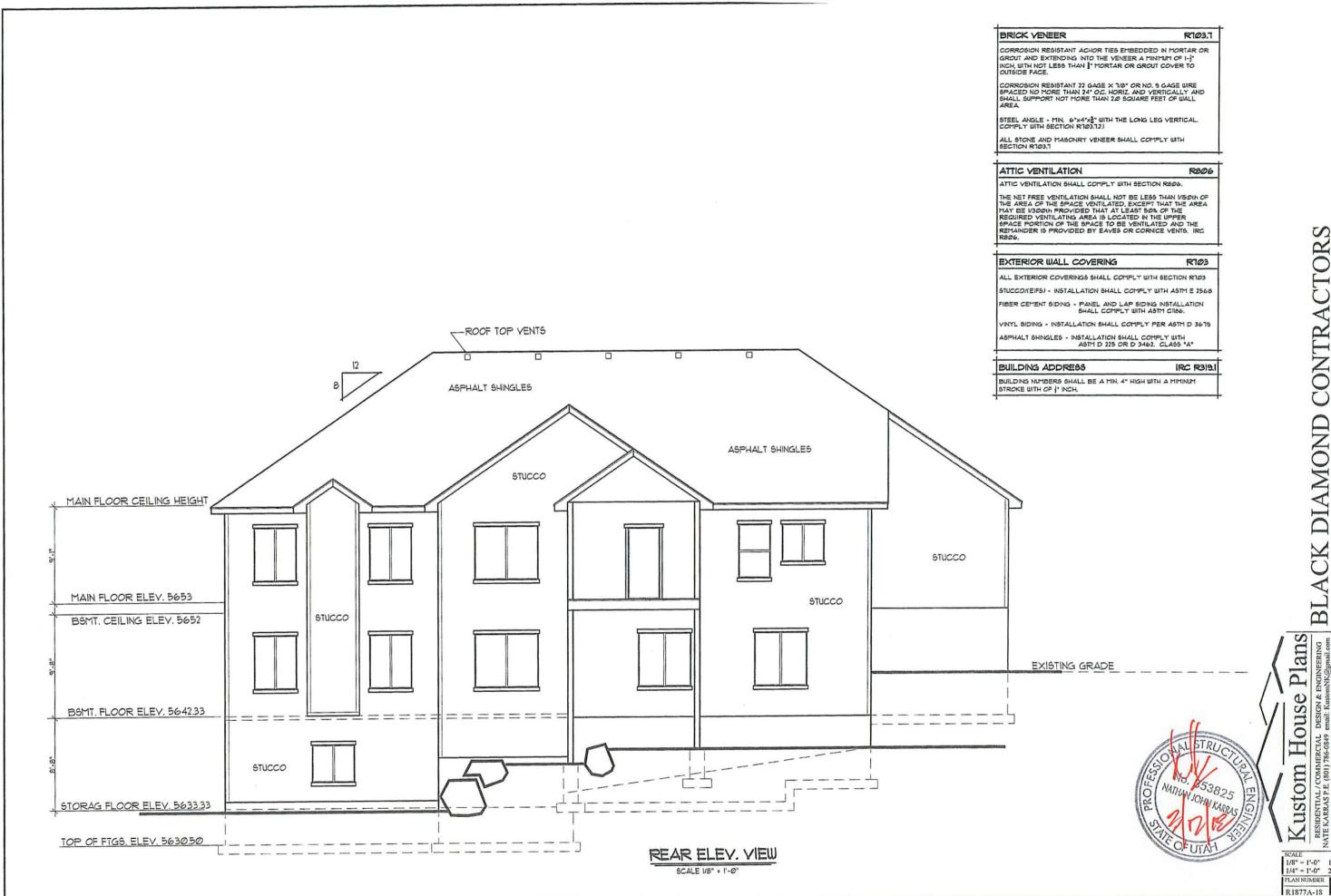
ASPHALT SHINGLES - INSTALLATION SHALL COMPLY WITH ASTM D 225 OR D 3462, CLASS "A"

#### BUILDING ADDRESS

IRC R319.1

BUILDING NUMBERS SHALL BE A MIN. 4" HIGH WITH A MIMINUM STROKE WITH OF ! INCH.

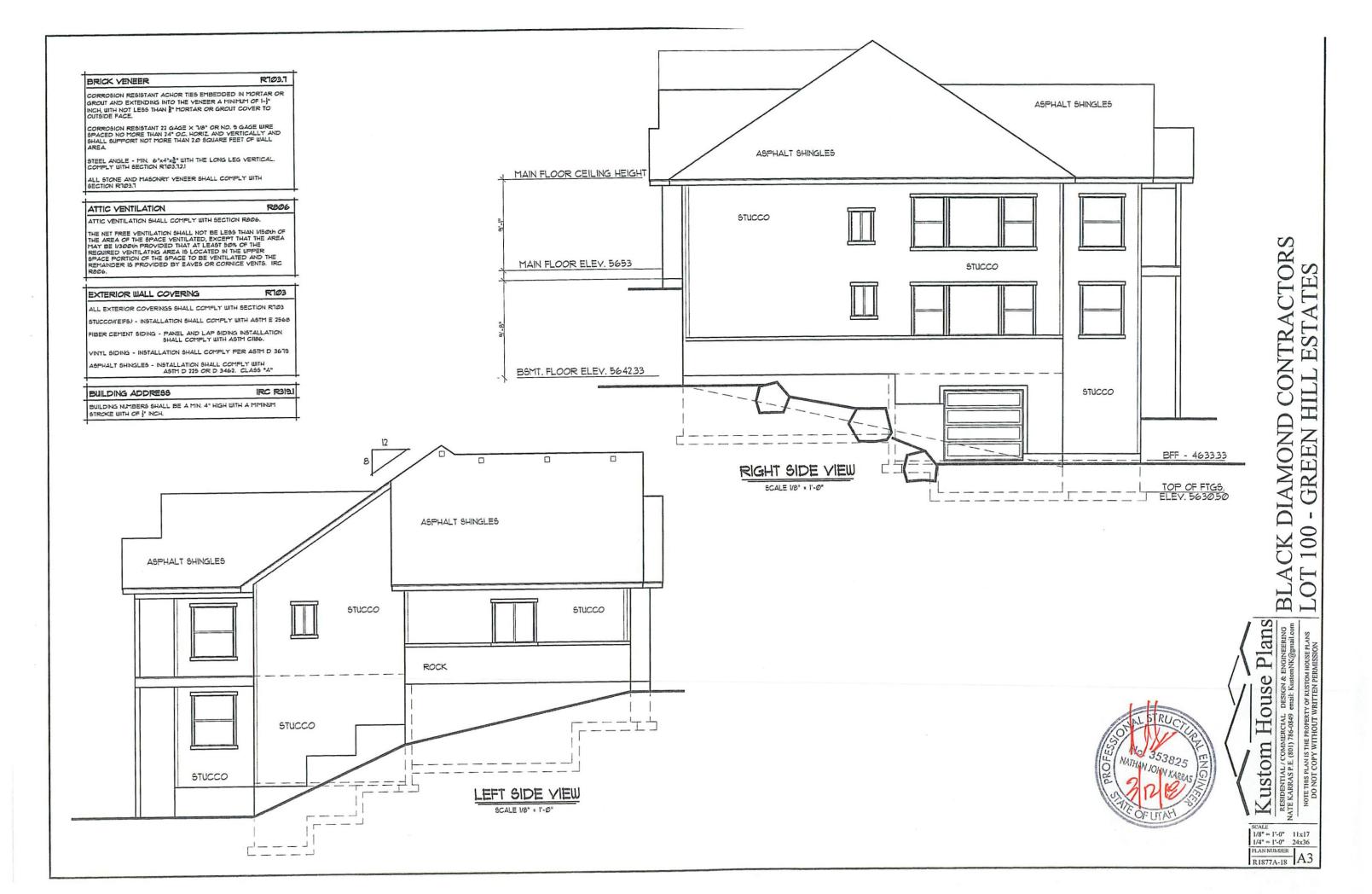
RT03

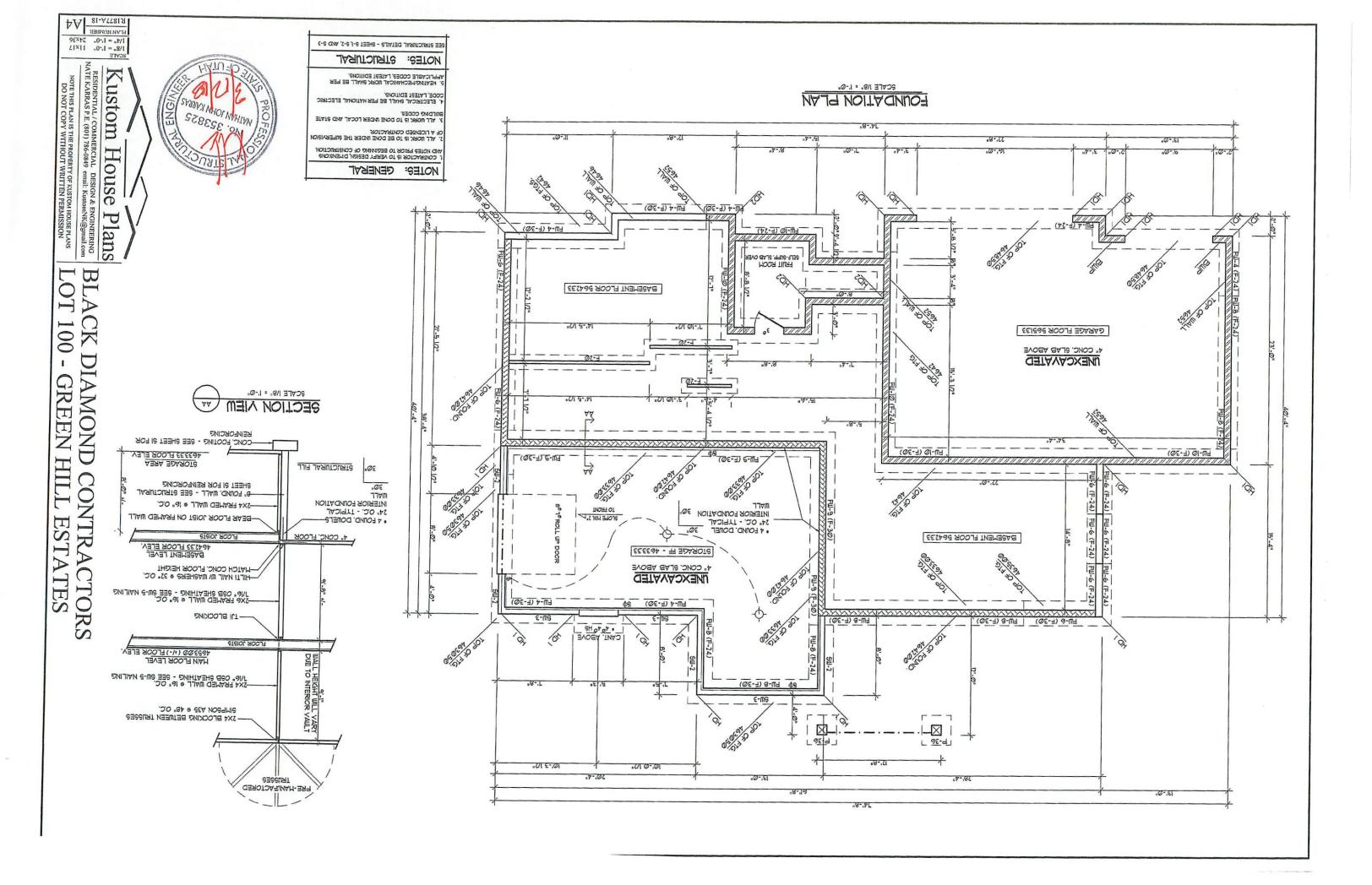


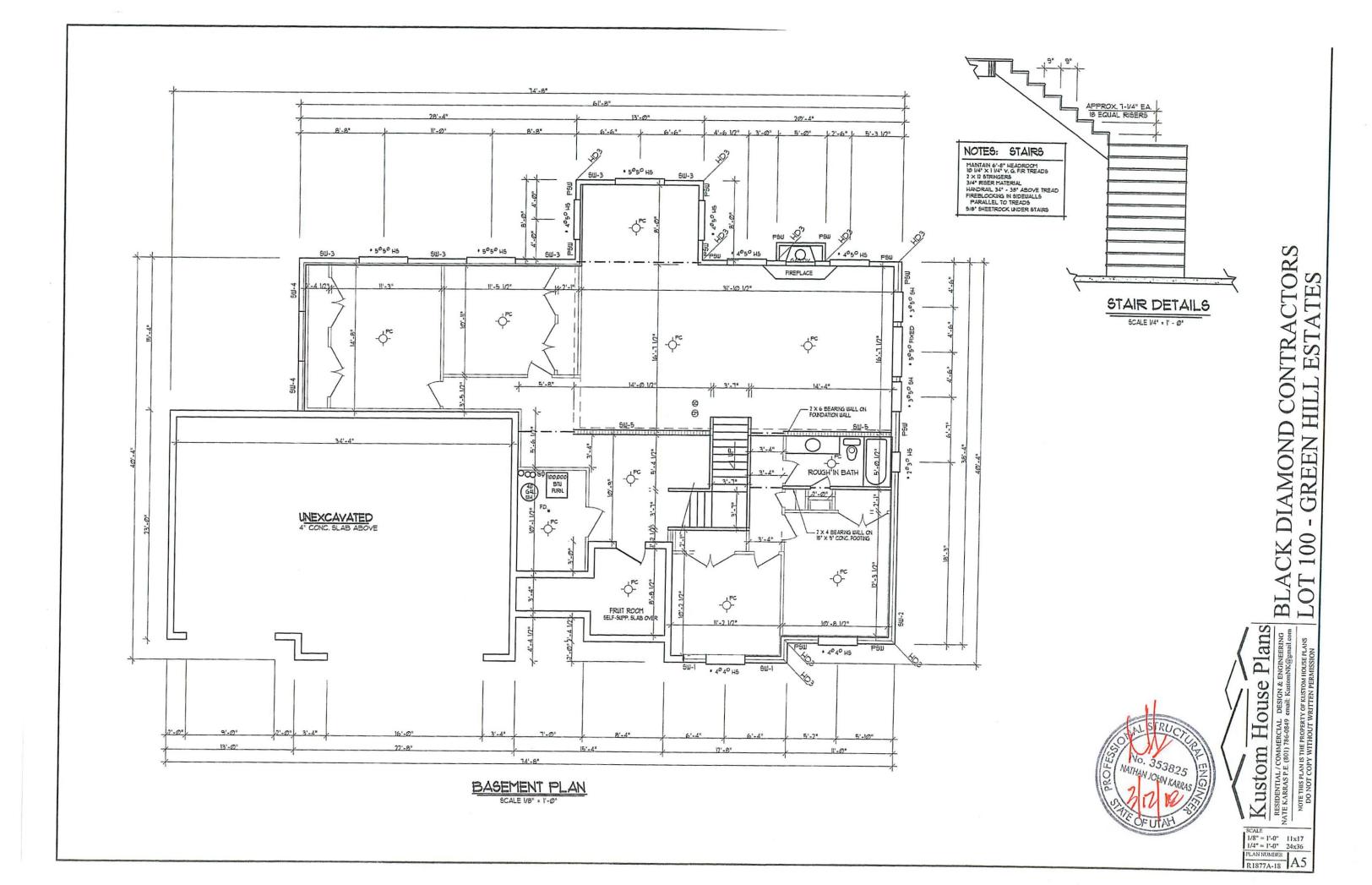
# CONTRACTORS ESTATES DIAMOND GREEN 00

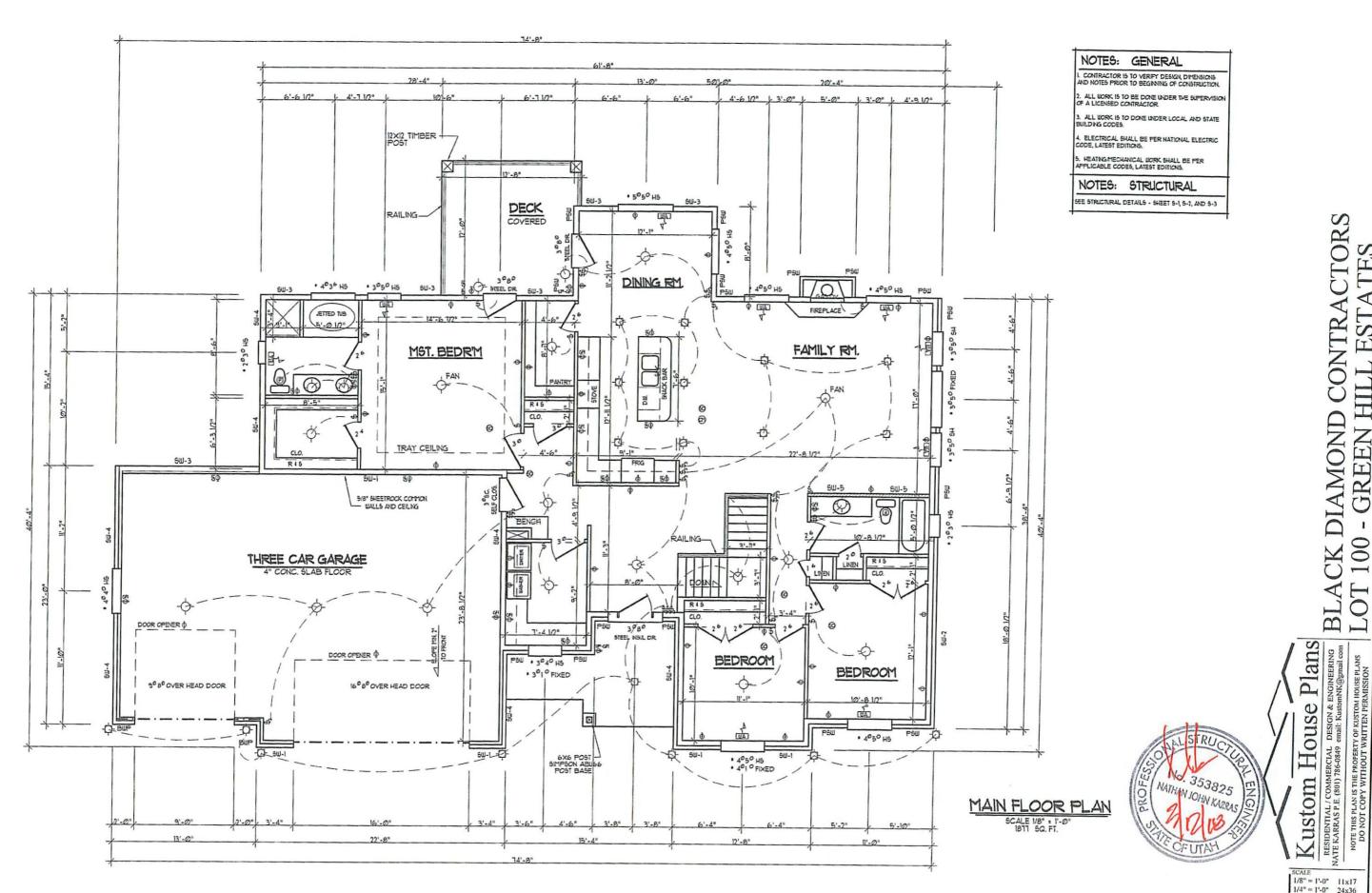
1/8" = 1'-0" 11x17 1/4" = 1'-0" 24x36

LAN NUMBER R1877A-18 A2









ATES EST GREEN 100

1/8" = 1'-0" 11x17 1/4" = 1'-0" 24x36 PLAN NUMBER R1629A-17 A6

# NOTES: GENERAL

L CONTRACTOR IS TO VERFY DESIGN, DIMENSIONS AND NOTES PRIOR TO BEGINNING OF CONSTRUCTION

2. ALL WORK IS TO BE DONE UNDER THE SUPERVISION OF A LICENSED CONTRACTOR.

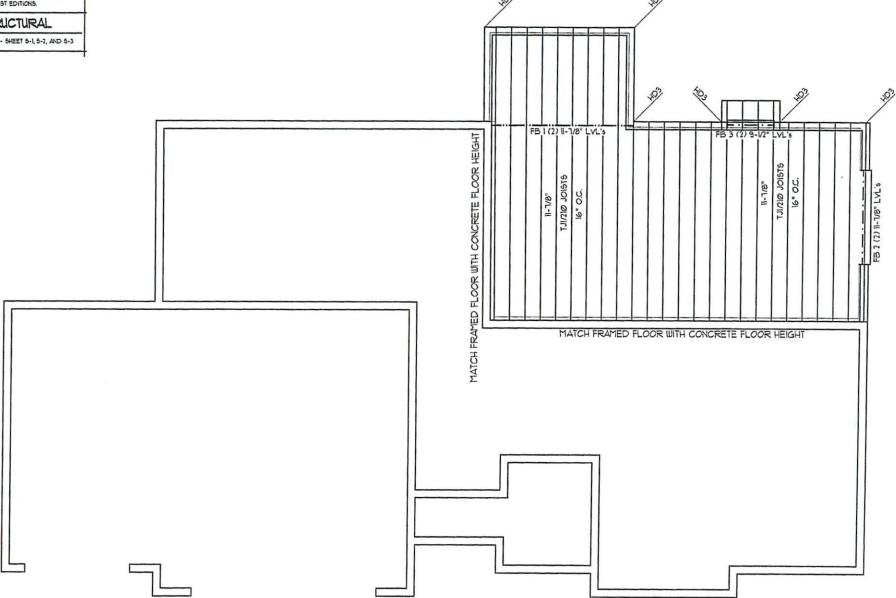
3. ALL WORK IS TO DONE UNDER LOCAL AND STATE BUILDING CODES.

4. ELECTRICAL SHALL BE PER NATIONAL ELECTRIC CODE, LATEST EDITIONS.

5. HEATINGMECHANICAL WORK SHALL BE PER APPLICABLE CODES, LATEST EDITIONS.

# NOTES: STRUCTURAL

SEE STRUCTURAL DETAILS - SHEET 5-1, 5-2, AND 5-3



BASEMENT STORAGE PLAN

SCALE 1/8" : 1'-0"



Kustom House Plans
RESIDENTIAL/COMMERCIAL DESIGN & ENGINEERING
NATE KARRAS P.E. (801) 786-0849 email: Kustomingmail.com
NOTE THIS PLANIS THE ROPERTY OF KUSTOM HOUSE PLANS
DO NOTE CORN WITH THE PLANIS THE ROPERTY OF KUSTOM HOUSE PLANS

SCALE
1/8" = 1'-0" 11x17
1/4" = 1'-0" 24x36

PLAN NUMBER
R1877A-18
A7

353825



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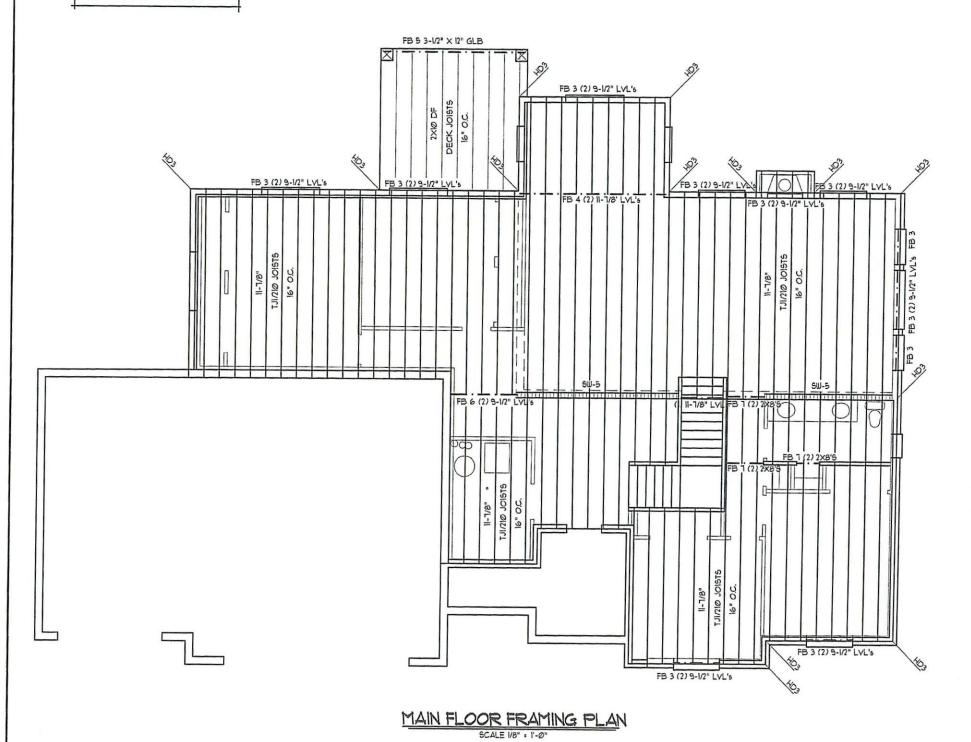
3. ALL WORK IS TO DONE UNDER LOCAL AND STATE BUILDING CODES.

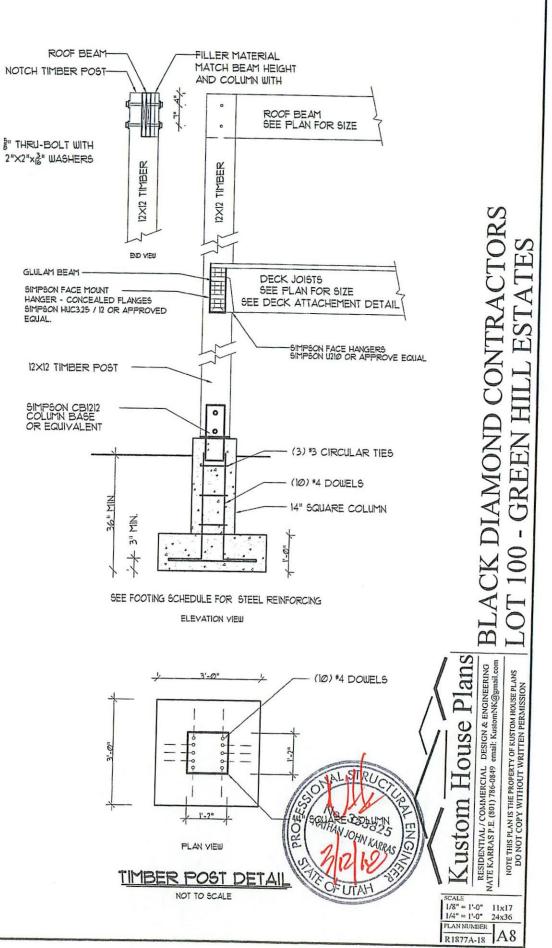
4. ELECTRICAL SHALL BE PER NATIONAL ELECTRIC CODE, LATEST EDITIONS.

5. HEATING/MECHANICAL WORK SHALL BE PER APPLICABLE CODES, LATEST EDITIONS.

#### NOTES: STRUCTURAL

SEE STRUCTURAL DETAILS - SHEET S-1, S-2, AND S-3







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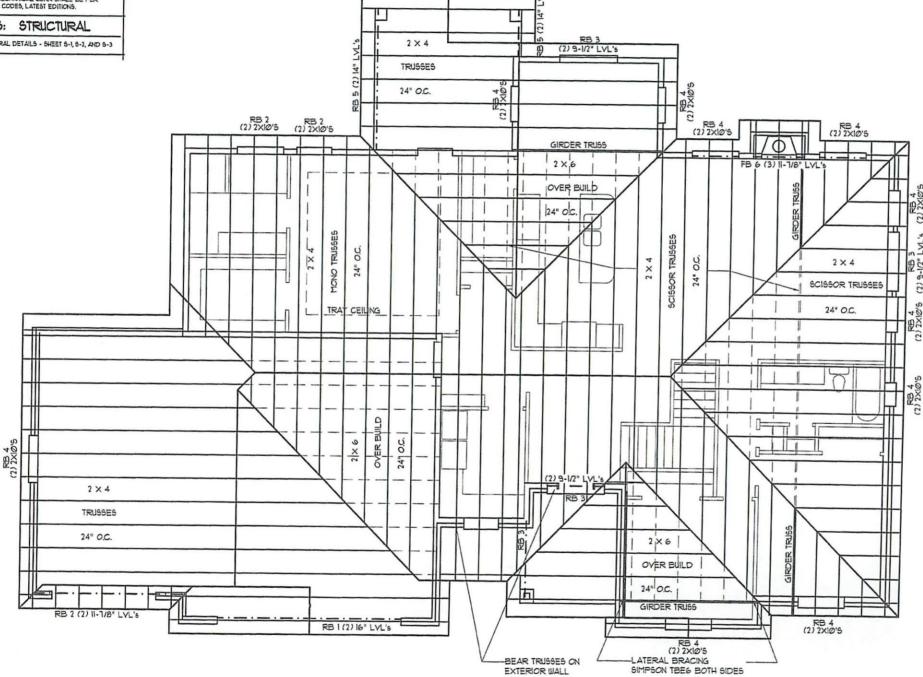
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# NOTES: STRUCTURAL

SEE STRUCTURAL DETAILS - SHEET S-1, S-2, AND S-3



ROOF FRAMING PLAN SCALE 1/8" : 1'-0"

# NOTES: PRE-MANUFACTOR TRUSSES

PRE-MANUFACTORED TRUSSES SHALL CONFORM WITH SECTION RE00300 AND

TRUSS MANUFACTURE SHALL PROVIDE DETAILS AND INSTRUCTION FOR HANDLING, INSTALLING, RESTRAINING, AND BRACING OF TRUSSES BEFORE AND AFTER CONSTRUCTION.

TRUSS DESIGN DRAWNGS SHALL BE PREPARED BY A REGISTERED PROFESSIONAL WHERE REQUIRED BY THE STATUES OF THE JURISDICTION IN WHICH THE PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH SECTION 1994.

NO ALTERATIONS SHALL BE MADE TO THE TRUSSES OR THE TRUSS LAYOUT.

ANY CHANGES TO THE ROOF FRAMING PLAN SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER PROR TO MANUFACTURING AND OR CONSTRUCTION OF SAID TRUSSES.

RUSS DESIGN DRAWINGS SHALL COMPLY WITH SECTION REQUIRE 1 REQUIRE.

NOTES: 65 LB SNOW LOAD





CONTRACTORS

ESTATES

GREEN HILL

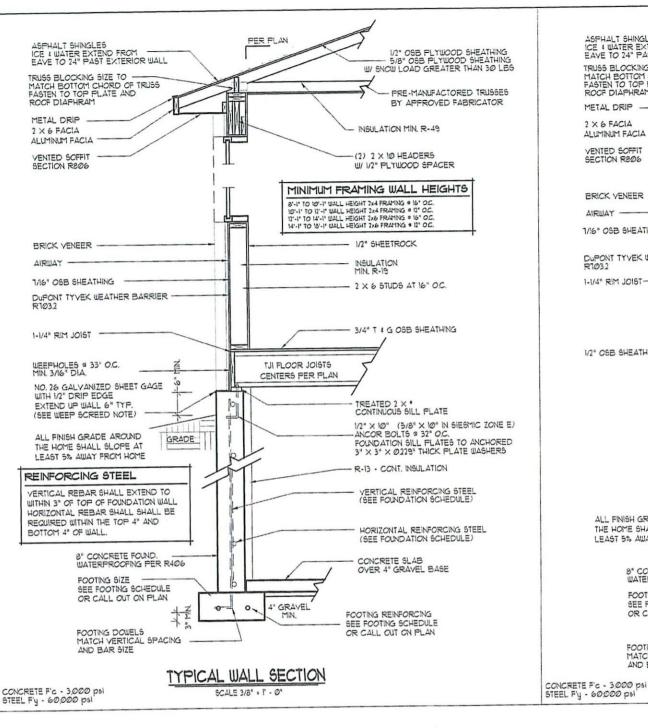
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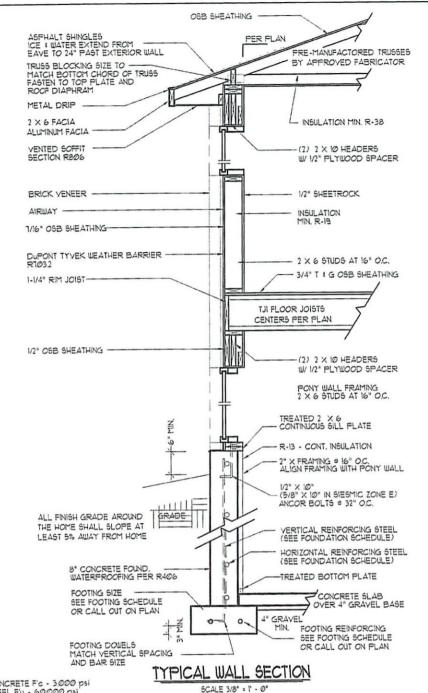
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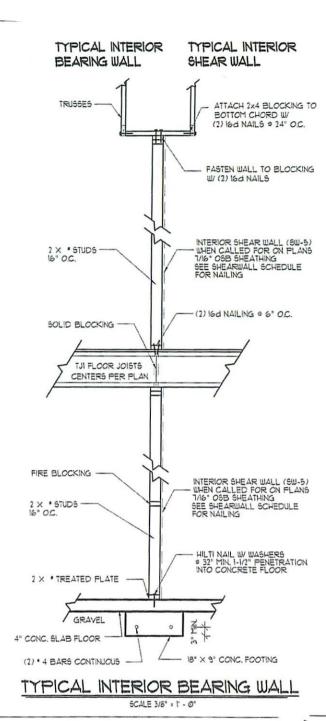
DIAMOND

C

SCALE 1/8" = 1'-0" 11x17 1/4" = 1'-0" 24x36 PLAN NUMBER R1877A-18 A9







FOU	NDATION	I WAL	L SCHEDUL	E		CONCRETE Fo - 3000 psi STEEL Fy - 60000 psi
			REINFORCING	STEEL	SPACING	NOTES
MARK	WALL HEIGHT	HTGW	HORIZONTAL BAR	BARS	VERTICAL BAR	NOTES
FW-3	3'-0"	8"	. 4 BARS . 9' O.C.	3	* 4 BARS 4 32" O.C.	PER STATE AMENDMENT (SHE WALL SECTION)
FW-4	3'-6"	8"	* 4 BAR5 * 13" O.C.	4	* 4 BARS # 24" OC.	PER STATE AMENDMENT (SEE WALL SECTION)
FW-6	6'-0"	8"	* 4 BAR5 * 18" O.C.	5	. 4 BARS # 24" OC.	(SEE WALL SECTION)
FW-8	8'-0"	8"	* 4 BAR5 . 16' OC.	6	* 4 BARS * 74" OC.	(SEE WALL SECTION)
FW-9	9'-0"	8"	. 4 BARS . 15" OC.	٦	* 4 BAR5 * 16" OC.	(SEE WALL SECTION)

MARK	NOMINA	L BIZES	LENGTH	REIN		ING STEEL		NOTES
	WIDTH	THICK -NESS		LENGTHUSE	BARS	CROSSUSE	64R5	NOTES
F-18	18"	9"	CONT.	· 4 BARS	2			(SEE WALL TYPICAL WALL SECTION)
F-20	20"	10"	CONT.	* 4 BARS	2			(SEE WALL TYPICAL WALL SECTION)
F-24	24"	10"	CONT.	• 4 BARS	2			(SEE WALL TYPICAL WALL SECTION)
F-30	30"	12"	CONT.	* 4 BARS	3			(SEE WALL TYPICAL WALL SECTION)
F-36	36"	12"	CONT.	• 4 BARS	4			(SEE WALL TYPICAL WALL SECTION)
P-24	24"	10"	24"	* 4 BARS	3	* 4 BARS	3	(SEE POST DETAIL)
P-30	30"	10"	30"	· 4 BARS	3	• 4 BARS	3	(SEE POST DETAIL)
P-36	36"	12"	36"	* 4 BARS	4	* 4 BARS	4	(SEE POST DETAIL)

# GENERAL NOTES

CONTRACTOR IS TO VERIFY DESIGN, DIMENSIONS AND NOTES PRIOR TO BEGINNING OF CONSTRUCTION.

ALL WORK IS TO BE DONE UNDER THE SUPERVISION OF A ICENSED CONTRACTOR

B. ALL WORK IS TO DONE UNDER LOCAL AND STATE BUILDING

LELECTRICAL SHALL BE PER NATIONAL ELECTRIC CODE, LATEST EDITIONS.

HEATING/MECHANICAL WORK SHALL BE PER APPLICABLE CODES, LATEST EDITIONS.

#### FOUNDATION WALL NOTES

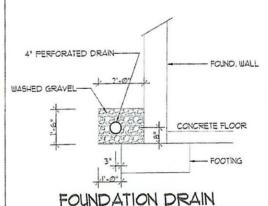
WALLS GREATER THAN 10'-0" SEE ENGINEERING 2. REINFORCING STEEL SHALL BE PLACED IN CENTER OF

3. FOOTING DOWELS SHALL MATCH VERTICAL STEEL AND EXTEND A MIN. OF 18" INTO FOUNDATION WALL.
4. MIN. SPLICE LENGTH \* 4 BAR 24" INCHES - \* 5 BAR 30"

1. NIN. SPLICE LENGTH BAY "MORES"

5. CORNER REINFORCING - LAP 24" INCHES

6. OFENINGS - BARS SHALL BE PLACED WITHIN TWO
INCHES OF OPENINGS AND EXTEND 24" BEYOND THE
EDGE OPENING.



SCALE - NOT TO SCALE

# NOTES: FOUNDATION DRAINAGE - R405

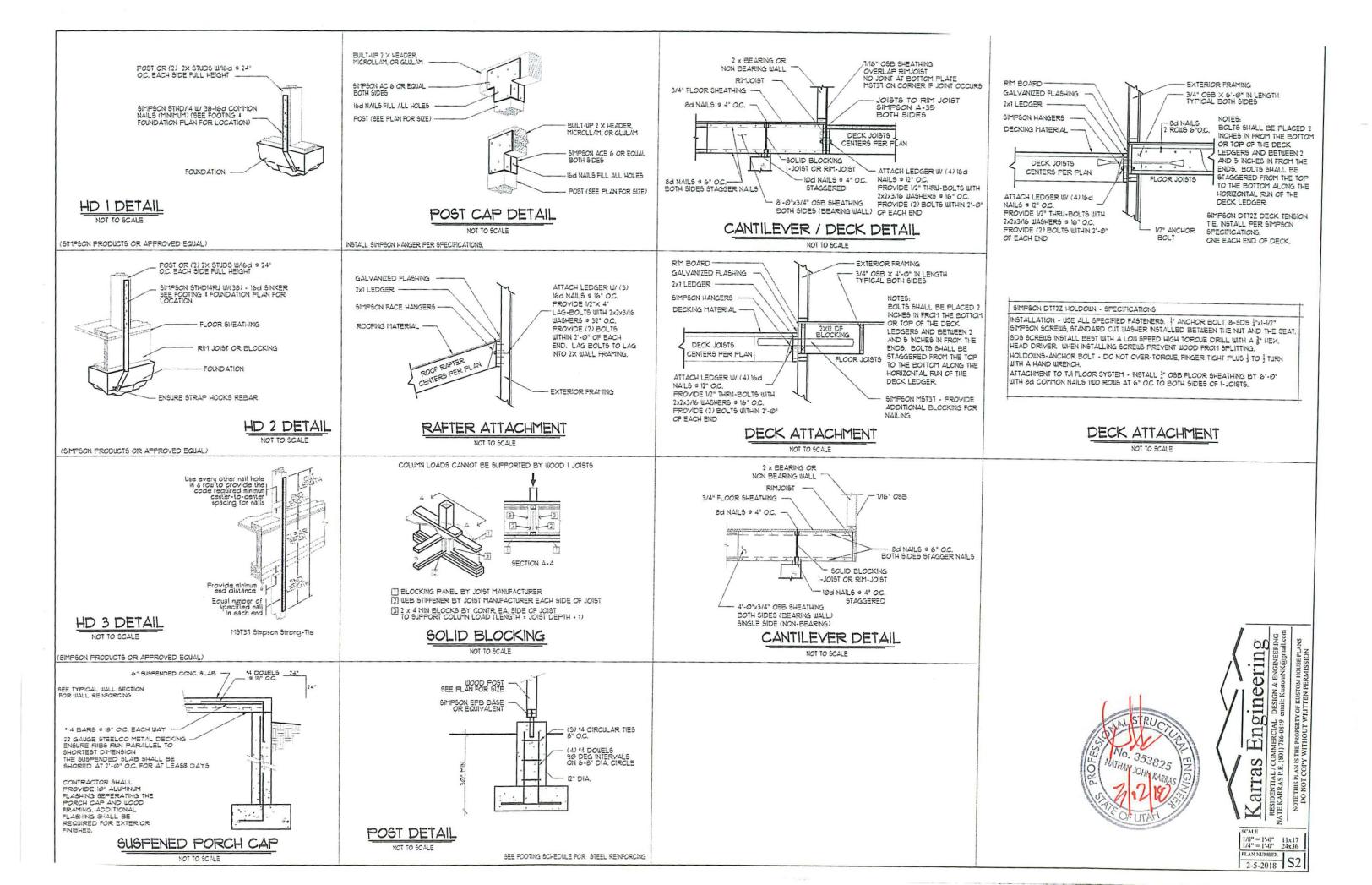
AND DRAIN - IF A LAND DRAIN IS AVAILABLE THE FOUNDATION DRAIN YSTEM SHALL BE EXTENDED AND CONNECTED TO THE LAND DRAIN.

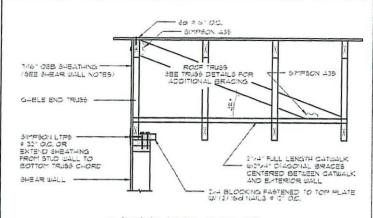
SUMP SHALL BE PROVIDED TO DRAIN THE POROUS LAYER AND FOOTINGS THE SUMP SHALL BE AT LEAST 24 INCHES IN DIAMETER OR 20 INCHES SQUARE, SHALL EXTEND AT LEAST 24 INCHES BELOW THE BOTTOM OF THE BASEMENT FLOOR AND SHALL BE CAPABLE OF POSITIVE GRAVITY OR MECHANICAL DRAMAGE TO REMOVE ANY ACCUMULATED WATER. THE DRAMAGE SYSTEM SHALL DISCHARGE INTO AN APPROVED SEVER SYSTEM OR TO DAYLIGHT.

EXCEPTION - A DRAINAGE SYSTEM IS NOT REQUIRED WHEN THE FOUNDATION IS INSTALLED ON WELL-DRAINED GROUND OR SAND GRAVEL MIXTURE SOILS ACCORDING TO THE UNITED SOIL CLASSIFICATION SYSTEM, GROUP I SOILS, AS DETAILED IN TABLE R4051.

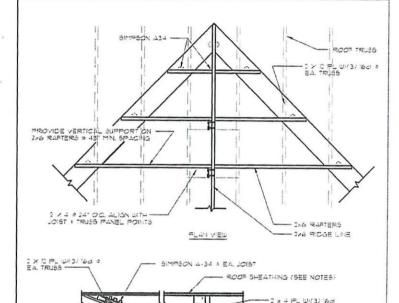


PLAN NUMBER 2-5-2018 S1





# GABLE END DETAIL NOT TO SCALE



# OVERBUILD DETAIL

SIDE ELEVATION VIEW

ROOF TRUSS

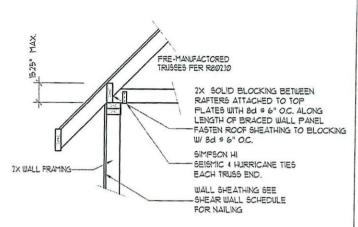
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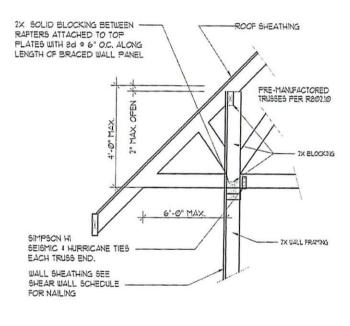
SIMPRON A-14

O X 4 9 24" O.C. ALIGN WITH JOIST 4 TRUSS PANEL POINTS

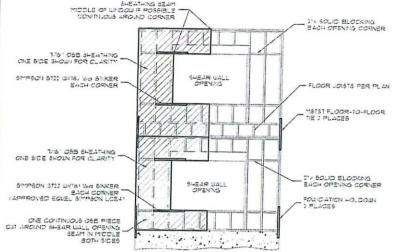
9HAPED PL 배(3) 16d 호 EA. TRU35

PROVIDE VENTING PER SECTION R806. CONTRACTOR SHALL PROVIDE I"XI" NOTCH IN BLOCKING OR SHALL BE ALLOWED TO REMOVE 2X BLOCKING EVER THIRD TRUSS.





# WALL TO ROOF TRUSS CONNECTION

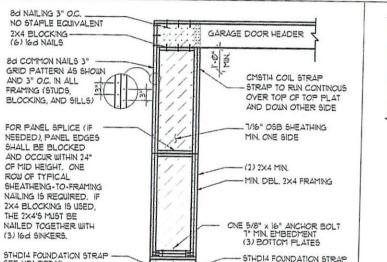


# PERFORATED SHEAR WALL FRAMING DETAIL

#### SHEAR WALL SCHEDULE WIND IIS MPH SEISMIC IONE . D2, R . 6 OSB MARK NOTES SIZE EDGE FIELD 10" 32" 32" SW-2 SW-3 12" 12" 12" 12" 7/16" 7/16" 32" 32" SW-4 SW-5 NTERIOR SHEARWAL

FOUNDATION SILL PLATES TO ANCHORED WITH 3" X 3" X 0229" THICK PLATE WASHERS

COMMON NAIL	97.2	PLE SPAC	T-NAIL SPACING				
O STABLE	16.	15.	14.	113*	131-		
6	3 1/2" 5'	6"	5*	7"	7.1/211		
5d = 31	5' & 1/2" & 1/2"	2" 100"	7" 9 1/2" 12"	4" 8" 9"	1 t/2"		
6d 9 81 10"	5' & 1/2" 8 1/2" 10'	2"	7"	4 10 10 10			
,O,,	5' & 1/2" & 1/2"	2" 100"	7" 9 1/2" 12"	10.	12"		



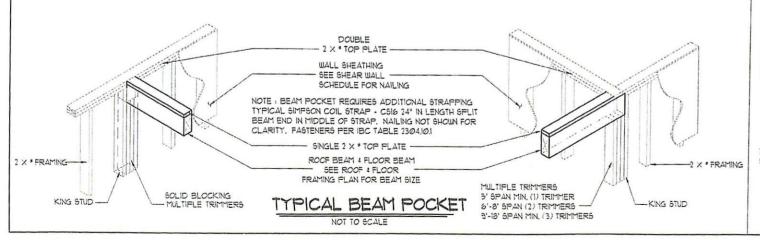
# BRACED WALL PANEL DETAIL (BWP)

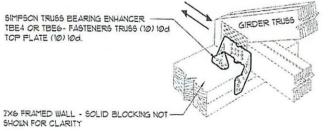
SEE HOI DETAIL

SEE FOUND, SCHEDULE

INSTALL SIMPSON HANGER PER SPECIFICATIONS.

SEE HOI DETAIL





LATERAL BRACING - SIMPSON TBE4/6

#### NOTES: TRUSSES

PRE-MANUFACTORED TRUSSES - TRUSS PACKAGE MUST BE SUB-HITTED TO THE BUILDING OFFICAL AS A DEFERRED SUB-HITTAL. PER IBC 23/03.4

FRIOR TO SUBMITTING TO THE CITY THE PACKAGE MUST BE REVIEWED BY THE ENGINEER OF RECORD AND STAMFED FOR GENERAL CONFORMANCE.

NO TRUSSES ARE TO BE INSTALLED UNTIL APPROVED BY THE CITY, FER IBC 1013.42.





#### 2015 INTERNATIONAL BUILDING/RESIDENTIAL CODE

CONTRACTOR/OWNER SHALL COMPLY WITH BOTH IBC AND IRC BUILDING CODE

CONTRACTOR/OUNER SHALL COMPLY WITH UTAH ADMINISTRATIVE CODE RULE

#### DESIGN CRITERIA

GOVERNING CODE											2015	IRC
SEISMIC								٠			55	E DI :116.7 1.03
WIND LOADS												
ULTIMATE WIND S	PEEC	)								E	li5 XPOSU	MPH RE C
ROOF LOADS												
DEAD .									-		15	PSF
ROOF SNOW	100										30	PSF
FLOOR LOADS												
DEAD												PSF
LIVE				*		4					40	PSF
DECK LOADS												
DEAD			*									PSF
LIVE											40	PSF
SOIL BEARING PRESSUR	E										1500	PSF

#### STRUCTURAL STEEL

- 1. FABRICATION AND CONSTRUCTION SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING CODES AND STANDARDS
  - A AMERICAN INSTITUTE OF STEEL CONSTRUCTION "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS, "WITH " COMMENTARY.
  - B. AISC "CODE OF STANDARD PRACTICE" EXCLUDING THE FOLLOWING: SECTION 3.4 , SECTION 4.4, SECTION 4.41
  - C. AISC "SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR 4490 BOLTS"
  - D. AMERICAN WELDING SOCIETY (AWS), STRUCTURAL WELDING CODE (SPECIFIC ITEMS DO NOT APPLY WHEN THEY CONFLICT WITH AISC
  - E. AISC "SEISMIC PROVISION FOR STRUCTURAL STEEL BUILDINGS"

#### CONCRETE

CONCRETE

- ALL CONCRETE SHALL BE 3,000 PSI CONCRETE
  TYPE I/II CEMENT COMPLYING WITH ASTM C-150 SHALL BE USED FOR ALL CONCRETE
- THE WATER/CEMENT RATIOS AND AIR ENTRAINMENT SHALL MEET THE REQUIREMENTS OF ACI 318.
- REINFORCEMENT SHALL HAVE THE FOLLOWING CONCRETE COVER:
- ... CLEAR COVER
- "6 THRU "8 BARS. 2"
  "5 AND SMALLER BARS. 1-1 D. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:
- SLABS, WALLS, JOISTS: "II BARS AND SMALLER.......3/4" BEAMS, COLUMNS: PRIMARY REINF, TIES, STIRRUPS,

#### FOOTING & FOUNDATION

R403 \$ R404

FOOTINGS AND FOUNDATION SHALL BE CONSTRUCTED IN ACCORDANCE TO SECTIONS R403 AND R404.

- I. FOOTINGS HAVE BEEN DESIGNED TO THE SOIL BEARING PRESSURE SPECIFIED IN THE DESIGN CRITERIA. IT IS THE RESPONSIBILITY OF THE OWNER TO VERIFY THE BEARING PRESSURE. ANY ANOMALOUS SOIL BEARING CONDITION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE CONSTRUCTION
- 2. ALL FOOTINGS ARE TO REST ON UNDISTURBED SOIL AND SHALL BE A MINIMUM OF 30", OR LOCAL FROST DEPTH, BELOW THE FINISH GRADE
- 3. THE CONTRACTOR SHALL ENSURE THAT THE FOOTINGS ARE PROPERLY DRAINED AND THAT THE SOIL MOISTURE CONTENT MEETS THE IBC REQUIREMENTS.
- ANY ANOMALOUS SOIL CONDITION ENCOUNTERED DURING EXCAVATION, SUCH AS SLIPPAGE, HIGH MOISTURE CONTENT, IMPROPER DRAINAGE, ETC., SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING
- 5. COMPACT BACKFILL AGAINST FOUNDATION WALL TO 85% OF MODIFIED PROCTOR DRY DENSITY TO REDUCE SETTING OF FILL
- 6. FOUNDATION ANCHOR BOLTS SHALL BE EMBEDDED IN AT LEAST T" OF CONCRETE AND PLACED WITHIN 12" OF SILL PLATE END. IF MULTIPLE PLATES ARE USED, THE ANCHOR BOLTS SHALL EXTEND THROUGH ALL PLATES. THERE SHALL BE A MINIMUM OF 2 ANCHOR BOLT PER WALL SECTION 3"X3"X3/IS WASHERS SHALL BE USED BETWEEN ANCHOR BOLT AND PLATE. SEE CROSS SECTION FOR SIZE AND SPACING.
- GRADE 60 REBAR SHALL BE USED FOR BOTH VERTICAL AND HORIZONTAL INSTALLATIONS.
- HOLDOWNS SHALL BE EMBEDDED IN THE FOUNDATION PER MANUFACTURERS REQUIREMENTS. THE CONTRACTOR SHALL ENSURE THAT THE FASTENERS HOOK THE REBAR AND MEETS THE MINIMUM EDGE DISTANCE.

#### STRUCTURAL FILL

STRUCTURAL FILL SHALL BE IMPORTED FILL MATERIAL.

IMPORTED FILL MATERIAL SHALL CONSISTS OF WELL-GRADED SANDY GRAVELS TO SILTY SANDS WITH A MAXIMUM SIZE OF 4" AND 5 TO 20 PERCENT FINES (MATERIALS PASSING NO. 200 SIEVE), THE LIQUID LIMIT OF THE FINES SHALL NOT EXCEED 35% AND THE PLASTICITY INDEX SHALL BE BELOW IS

CLEAN GRAVEL RANGING FROM PEA GRAVEL TO 4" WITH LESS THAN 5 PERCENT FINES AND SAND COMBINED MAY ALSO BE USED AS STRUCTURAL FILL

ALL FILL SOILS SHALL BE FREE FROM TOPSOIL HIGHLY ORGANIC MATERIAL FROZEN SOIL, AND OTHER DELETERIOUS MATERIALS.

THE THICKNESS OF EACH LIFT SHALL BE APPROPRIATE FOR THE COMPACTION EQUIPMENT BEING USED, MAX, 6" LIFT FOR HAND COMPACTION, MAX, 8" FOR TRENCH COMPACTORS.

THE FULL THICKNESS OF EACH LIFT OF STRUCTURAL FILL SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-1557.

CLEAN GRAVEL FILL MAY BE PLACED IN MAX, 24" LIFTS. THE GRAVEL WILL NEED TO BE COMPACTED WITH AT LEAST 4 PASSES OF A VIBRATORY FLATE

#### WOOD - GENERAL FRAMING NOTES

R602

- I. FRAMING LUMBER SHALL BE 2 DOUGLAS FIR-LARCH OR BETTER UNLESS NOTED OTHER WISE.
- 2. ALL WOOD IN CONTACT WITH CONCRETE, MASONRY OR SOIL SHALL BE PRESSURE TREATED OR BE REDWOOD.
- ALL FRAMING ANCHORS, POST CAPS, HOLD DOWNS, COLUMN BASES, ETC. SHALL BE PROVIDED BY SIMPSON STRONG-TIE OR APPROVED EQUAL
- ALL WALLS SHALL HAVE A MINIMUM OF TWO TOP PLATES . SPLICES IN TOP FLATES SHALL BE STAGGERED A MINIMUM OF FOUR FEET FROM THE NEAREST SPLICE IN ADJOINING TOP PLATE.
- 5. ALL CONSTRUCTION SHALL CONFORM TO IBC & IRC SPECIFICATIONS
- ALL EXTERIOR AND LOAD BEARING WINDOW AND DOOR HEADERS SHALL HAVE (2) 2x10 DF No. 2 W/FILLER UNLESS NOTED OTHERWISE ON DRAWING.
- ALL HEADERS SUPPORTING A GIRDER TRUSS SHALL BE A MIN. OF (2) 1-3/4"x9-1/2" LVLs UNLESS NOTED OTHERWISE ON DRAWING.
- 8. ALL MULTIPLE BEAMS AND HEADERS SHALL BE NAILED USING 3 ROWS OF 16d
- 9. ALL POINT LOADS SHALL BE SOLID BLOCKED TO THE FOUNDATION.
- 10. USE DOUBLE TRIMMERS TO SUPPORT BEAMS AND HEADERS GREATER THAN 6
- II. USE SIMPSON OR EQUIVALENT HARDWARE TO CONNECT BEAMS 6' AND
- 12. FASTENERS SCHEDULE FOR STRUCTURAL MEMBERS PER TABLE R6023(1).

## FLOOR SHEATHING NOTES

R503

- TYPICAL FLOOR SHEATHING SHALL BE 3/4" T4G WAFER BOARD NAILED W 8d NAILS & 6" O.C. ON ALL EDGES, AND 4 12" O.C. ALONG INTERMEDIATE FRAMING MEMBERS.
  2. SOLID JOIST BLOCKING REQUIRED AT ALL BEARING POINTS. INSTALL FLOOR SHEATHING WITH FACE GRAIN AT RIGHT ANGLES TO FRAMING WITH END JOINTS STAGGERED
- JONTS STAGGERED.

  4. USE DOUBLE FLOOR JOISTS UNDER ALL LOAD BEARING WALLS RINNING PARALLEL WITH FLOOR JOISTS.

  5. USE DOUBLE FLOOR JOISTS WIDER ALL SHEAR WALLS RINNING PARALLEL WITH FLOOR JOISTS. NAIL BOTTOM PLATE TO JOISTS W ISO NAILS @ 3" OC.

  6. USE DOUBLE JOISTS TO SOLID BLOCK WIDER ALL SHEAR WALLS RINNING PERFENDICULAR TO FLOOR JOISTS. NAIL BOTTOM PLATE TO BLOCKING W/ ISO NAILS @ 3" OC.
- 1. FLOOR JOIST INTSTALL ATION PER MANUFACTORS SPECIFICATIONS

#### SHEAR WALL NOTES

- L AS A MINIMUM, ALL EXTERIOR WALL SHALL BE SHEATHED WITH 1/16" APA RATED C-D OR C-C SHEATHING AND NAILED WITH 8d's 4" O.C. EDGE AND 12" O.C. FIELD. IF NOT INDICATED ON FLANS. SEE SHEARWALL SCHEDULE:
  2. SHEATHING SHALL EXTEND CONTINUOUS FROM MUD SILL TO TOP FLATE AND NAILED AT LEAST 1" O.C. ALONG SILL FLATE. SHEATHING SHALL EXTEND FROM FLOOR FRAMING TO HIGH
- ROOF FRAMING ON UPPER LEVEL EXTERIOR WALLS. 3. NAILS SHALL BE PLACED NOT LESS THAN 1/2" FROM EDGE OF PANEL AND DRIVEN FLUSH,

# WOOD TRUSS NOTES

NAIL SHALL NOT FRACTURE THE SURFACE OF THE SHEATHING.

- L CONTRACTOR SHALL PROVIDE MINIMUM 22" X 30" ATTIC ACCESS. FIELD LOCATE PROVIDE WEATHER STRIPPING AROUND OPENING, RAWILL
- THE CONTRACTOR SHALL BLOCK BETWEEN TRUSSES AND CONNECT EACH TRUSS TO WALL TOP PLATE WITH SIMPSON HI CONNECTORS. 3. GABLE ENDS SHALL HAVE SIMPSON STRONGTIE STRAPS # 32" OC CONNECTING
- GARLE TRUSS TO WALL FRAMING 4. ANY CHANGES TO THE TRUSS CONFIGURATION SHOUN ON THE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION.
- ALL ENGINEERING TRUSS SUBMITTALS SHALL BE STAMPED BY A ENGINEER LICENSED IN THE STATE OF UTAH
- TRUSSES TO BE INSTALLED PER MANUFACTURES SPECIFICATIONS
- BLOCKING BETWEEN TRUSSES SHALL MATCH BOTTOM CHORD OF TRUSS,
   BRACING TRUSSES SHALL BE BRACED TO PREVENT ROTATION AND FROVIDE LATERL STABILITY.

#### ROOF SHEATHING NOTES

R803

I SHEATHING SHALL BE 1/16", 24/16, APA RATED SHEATHING, NAIL W 8d's 9 6" OC 3/8" FROM EDGE OF PANEL AT ALL PANEL ENDS, SUPPORTED EDGES, SHEARWALL TOPS, AND ALL BLOCKING, NAIL # 12" OC. ALONG INTERMEDIATE FRAMING MEMBERS, (5/8" SHEATHING WITH SNOW LOADS GREATER THAN 30 LBS)

LAY SHEATHING WITH FACE GRAIN AT RIGHT ANGLES TO FRAMING WITH STAGGERED END

#### BRICK YENEER SUPPORT / LINTELS

RTØ3.7.2.1

A MINIMUM 6 INCHES BY 4 INCHES BY \$ INCH STEEL ANGLE, WITH THE LONG LEG PLACED VERTICALLY, SHALL BE ANCHORED TO DOUBLE? INCHES BY 4 INCHES WOOD STUDS AT A MAXIMUM ON-CENTER SPACING OF 16 INCHES. ANCHORAGE OF THE STEEL ANGLE AT EVERY DOUBLE STUD SPACING SHALL BE A MINIMUM OF TWO & DIAMETER BY 4 INCH LAG SCREUS,

STEEL LINTELS SHALL BE SHOP COATED WITH RUST INHIBITIVE PAINT, EXCEPT FOR LINTELS

#### FASTENERS

FASTENERS AND CONNECTORS IN CONTACT WITH PRESERVATIVE - TREATED WOOD SHALL BE HOT DIPPEED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COFFER THE COATING WEIGHTS FOR ZINC-COATED FASTENERS SHALL BE IN ACCORDANCE WITH ASTM A 153. EXCEPTIONS !" DIAMETER OR GREATER STEEL BOLTS.

#### DWELLING/GARAGE SEPERATION

STRUCTURAL MEMBERS SUPPORTING THE SEPARATION SHALL BE PROTECTED BY FIRE-RESISTIVE CONSTRUCTION. IT-INCH GYPSUM BOARD TYPICAL. IT-INCH TYPE X GYPSUM BOARD FOR HABITABLE ROOMS ABOVE THE GARAGE.

#### CEILING HEIGHT

R305

HABITABLE SPACE, HALLWAYS, BATHROOMS, TOILET ROOMS, LAUNDRY ROOMS AND PORTIONS OF BASEMENTS CONTAINING THESE SPACES SHALL HAVE A CEILING HEIGHT OF NOT LESS THAN 1 FEET. BASEMENTS 6'-8" MIN. EXCEPTIONS UNDER BEAMS, GIRDERS, DUCTS OR OTHER OBSTRUCTIONS MAY PROJECT TO WITHIN 6'-4" OF THE FINISHED FLOOR.

#### WINDOWS

NII@2.1.4

U-FACTOR ON WINDOWS SHALL BE A MIN. OF Ø35. U-FACTOR SHALL BE DETERMINED BY TESTING IN ACCORDANCE WITH NFRC 100 AND LABELED AS SUCH BY MANUFACTURE. SECTION 102.13 OF THE 2012 IECC.

#### WINDOW WELLS

R3102

WINDOW WELLS REQUIRED FOR EMERGENCY ESCAPE AND RESCUE SHALL HAVE HORZ. DIMENSIONS THAT ALLOW THE DOOR OR WINDOW OF THE EMERGENCY ESCAPE AND RESCUE OPENING TO BE FULLY OPENED. THE HORIZONTAL DIMENSIONS OF THE WINDOW WELL SHALL PROVIDE A MINIMUM NET CLEAR AREA OF 3 SQUARE FEET MITH A MINIMUM HORIZONTAL PROJECTION AND MIDTH OF 36".
MINDOW WELLS WITH A VERTICAL DEPTH GREATER THAN 44 INCHES SHALL BE EQUIPPED WITH A PERMANENTLY AFFIXED LADDER COMPLY WITH SECTION R31021

#### BASEMENT - WINDOW SILL HEIGHT

R31022

BASEMENT WINDOWS SHALL HAVE A SILL HEIGHT OF NO MORE THAN 44-INCHES ABOVE THE FLOOR. WHERE THE SILL HEIGHT IS BELOW GRADE THE WINDOW SHALL BE FROVIDED WITH A WINDOW WELL IN ACCORDANCE WITH R31023.

# WINDOW SILL HEIGHTS

IN DWELLING UNITS, WHERE THE OPENING OF AN OPERABLE WINDOW IS LOCATED MORE THAN 12 INCHES ABOVE THE FINISH GRADE OR SURFACE BELOW, THE LOWEST PART OF THE OPENING OF THE WINDOW SHALL BE A MINIMUM OF 24" INCHES ABOVE THE FINISHED FLOOR OF THE ROOM IN WHICH THE WINDOW IS LOCATED. OPERABLE SECTIONS OF WINDOWS SHALL NOT FERMIT OPENINGS THAT ALLOW PASSAGE OF A 4 INCH DIA, SPHERE WHERE SUCH OPENINGS ARE LOCATED WITHIN 24 INCHES OF THE FINISHED FLOOR.

# MEANS OF EGRESS

SMOKE ALARMS

THERE SHALL BE A LANDING OR FLOOR ON EACH SIDE OF EACH EXTERIOR DOOR. THE WIDTH OF EACH LANDING SHALL NOT BE LESS THAN THE DOOR SERVED.

EVERY LANDING SHALL HAVE A MINIMUM DIMENSION OF 36 INCHES MEASURED IN
THE DIRECTION OF TRAVEL. EXTERIOR LANDINGS SHALL BE PERMITTED TO HAVE A SLOPE NOT TO EXCEED 0.25 UNIT VERTICAL IN 12 UNITS. (2%)

# GUARDS AND WINDOW FALL PROTECTION

R314

GUARDS SHALL BE LOCATED ALONG OPEN-SIDED WALKING SURFACES, INCLUDING STAIRS, RAMPS AND LANDINGS, THAT ARE LOCATED MORE THAN 30 INCHES MEASURED VERTICALLY TO THE FLOOR OR GRADE BELOW AT ANY POINT 36 INCHES HORIZONTALLY TO THE EDGE OF THE OPEN SIDE.

# OPENING LIMITATIONS - REQUIRED GUARDS SHALL NOT HAVE OPENINGS FROM THE WALKING SURFACE TO THE REQUIRED GUARD HEIGHT THAT ALLOW PASSAGE OF A SPHERE 4 INCHES IN DIAMETER

SMOKE ALARMS SHALL BE IN ACCORDANCE WITH SECTION R314.

ALL SMOKE ALARMS SHALL BE LISTED IN ACCORDANCE WITH UL 217 AND INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF THIS CODE AND THE HOUSEHOLD FIRE WARNING EQUIPMENT FROVISIONS OF NFPA 12.

SMOKE ALARMS SHALL BE INSTALLED IN THE FOLLOWING LOCATIONS: IN EACH STEEPING ROOM, OUTSIDE EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS, ON EACH ADDITIONAL STORY OF THE DUELLING. NCLUDING BASEMENTS AND UNINHABITABLE ATTICS.

WHEN MORE THAN ONE SMOKE ALARM IS REQUIRED TO BE INSTALLED WITHIN AN NDIVIDUAL DUELLING UNIT THE ALARM DEVICES SHALL BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTUATION OF ONE ALARM WILL ACTIVATE ALL OF THE

# CARBON MONOXIDE ALARMS

R315

CARBON MONOXIDE ALARMS SHALL BE IN ACCORDANCE WITH SECTION R315.

AN APPROVED CARBON MONOXIDE ALARMS SHALL BE INSTALLED ON EACH HABITABLE LEVEL WITHIN WHICH FUEL-FIRED APPLIANCES ARE INSTALLED AND IN DWELLINGS UNITS THAT HAVE ATTACHED GARAGES

SINGLE STATION CARBON MONOXIDE ALARMS SHALL BE LISTED AS COMPLYING WITH UL 2004 AND SHALL BE INSTALLED IN ACCORDANCE WITH THIS CODE AND

#### GLAZING

R308

GLAZING IN DOORS AND ENCLOSURES FOR HOT TUBS, WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATHTUBS AND SHOUERS, GLAING IN ANY PART OF A BUILDING WALL ENCLOSING THESE COMPARIMENTS WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60 INCHES MEASURED VERTICALLY ABOVE ANY STANDING OR WALKING SURFACE.

- 2. GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL EDGE IS WITHIN A 24-INCH ARC OF THE DOOR IN A CLOSED POSITION AND WHOSE BOTTOM EDGE IS LESS THAN 60 INCHES ABOVE THE FLOOR OR WALKING SURFACE.
- 3. GLAZING IN WALLS ENCLOSING STAIRWAY LANDING OR WITHIN 60 INCHES OF THE TOP AND BOTTOM OF STAIRWAYS WHERE THE BOTTOM EDGE OF THE GLASS IS LESS THAN 60 INCHES ABOVE THE WALKING SURFACE.

# WEATHER-RESISTANT BARRIER

RT03.6.3

WEATHER-RESISTANT BARRIERS SHALL BE INSTALLED AS REQUIRED IN SECTION RT032 AND, WHERE APPLIED OVER WOOD-BASED SHEATHING, SHALL INCLUDE A WEATHER-RESISTANT VAPOR PERMEABLE BARRIER WITH A PERFORMANCE AT LEAST EQUIVALENT TO TWO LAYERS OF GRADE D PAPER.

#### WEEP SCREEDS

R703.62.1

A MINIMUM 0.019-INCH (NO. 26 GALVANIZED SHEET GAGE), CORROSION-RESISTANT WEEP SCREED OR PLASTIC WEEP SCREED, WITH A MINIMUM VERTICAL ATTACHMENT FLANGE OF 3-1" INCHES SHALL BE PROVIDED AT OR BELOW THE FOUNDATION PLATE LINE ON EXTERIOR STUD WALLS IN ACCORDANCE WITH ASTM C 926. THE WEEP SCREED SHALL BE PLACED A MINIMUM OF 4 INCHES ABOVE THE EARTH OR 2" ABOVE PAVED AREAS AND SHALL BE OF TYPE THAT WILL ALLOW TRAPFED WATER TO DRAIN TO THE EXITERIOR OF THE BUILDING. THE WEATHER, RESISTANT BARRIER SHALL LAP THE ATTACHMENT FLANGE. THE EXTERIOR LATH SHALL COVER AND TERMINATE ON THE ATTACHMENT FLANGE OF THE WEET SCREED.

# CONCRETE-ENCASED ELECTRODE

E3608.1.2

AN ELECTRODE ENCASED BY AT LEAST 2 INCHES OF CONCRETE, LOCATED WITHIN AND NEAR THE BOTTOM OF A CONCRETE FOUNDATION OR FOOTING THAT IS IN DIRECT CONTACT WITH THE EARTH, CONSISTING OF AT LEAST 20 FEET OF ONE OR MORE BARE OR ZINC-GALVANIZED OR OTHER ELECTRICALLY CONDUCTIVE MORE BARE OR LING-GALVARILED ON OTHER ELECTRICALLY CONTROL OF NOT LESS THAN 1/2 INCH DIAMETER, OR CONSISTING OF AT LEAST 20 FEET OF BARE COPPER CONDUCTOR NOT SMALLER THAN 4 AUG SHALL BE CONSIDERED AS A GROUNDING ELECTRODE. REINFORCING BARS SHALL BE PERMITTED TO BE BONDED TOGETHER BY THE USUAL STEEL TIE WIRE OR OTHER EFFECTIVE MEANS.

# ARC-FAULT PROTECTION

E39@2.12

ALL BRANCH CIRCUITS THAT SUPPLY 120-VOLT, SINGLE PHASE, 15- AND 20-AMPERE OUTLETS IN FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIVING ROOMS, PARLORS, LIVING ROOMS, PARLORS, LIVING ROOMS, CLOSETS, HALLUAYS, OR SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY A COMBINATION TYPE ARC-FAULT CIRCUIT INTERRUPTER INSTALLED TO PROVIDE PROTECTION OF THE ENTIRE BRANCH CIRCUIT.

# TUB AND SHOWER

R307

BATHTUB AND SHOUER SPACES - R3012 BATHTUB ND SHOUER FLOORS AND WALLS ABOVE BATHTUBS WITH INSTALLED SHOUER HEADS AND IN SHOUER COMPARIMENTS SHALL BE FINSHED WITH A NONABOSORBANT SURFACE, SUCH WALL SURFACES SHALL EXTEND TO HEIGHT OF NOT LESS THAN 6 FEET ABOVE THE FLOOR.

LIMIT WATER TEMPERATURE TO A MAX, 120° F. PER SECTION P27083 AND P27133.

JETTED TUB ACCESS - 17"X12" ACCESS PER IRC P2120.

# GENERAL NOTES

CONTRACTOR IS TO VERIFY DESIGN, DIMENSIONS AND NOTES PRIOR TO BEGINNING OF CONSTRUCTION.

2. ALL WORK IS TO BE DONE UNDER THE SUPERVISION OF A LICENSED CONTRACTOR

3. ALL WORK IS TO DONE UNDER LOCAL AND STATE BUILDING CODES.

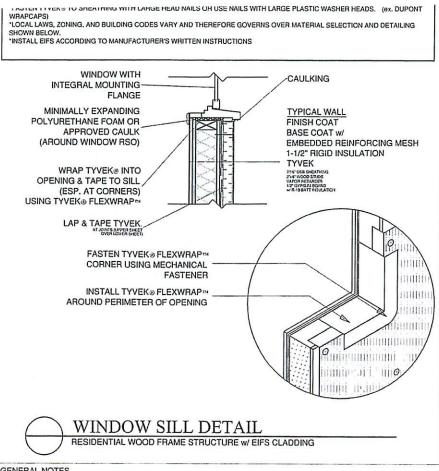
LATEST EDITIONS.





SCALE 1/8" = 1'-0" 11x17 1/4" = 1'-0" 24x36 LAN NUMBER

2-5-2018 S4





\*SEAL ALL TYVEK 

JOINTS AND PENETRATIONS WITH APPROVED TAPE. (ex. DUPONT CONTRACTOR TAPE)

\*FASTEN TYVEK 

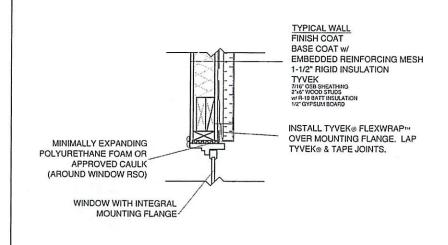
TO SHEATHING WITH LARGE HEAD NAILS OR USE NAILS WITH LARGE PLASTIC WASHER HEADS. (ex. DUPONT WRAPCAPS)

WRAPCAPS)

\*\*LOCAL LAWS, ZONING, AND BUILDING CODES VARY AND THEREFORE GOVERNS OVER MATERIAL SELECTION AND DETAILING

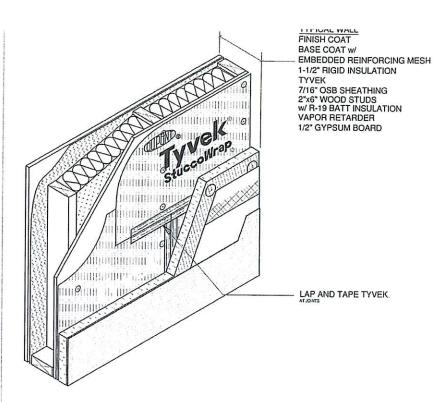
SHOWN BELOW.

\*INSTALL EIFS ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS

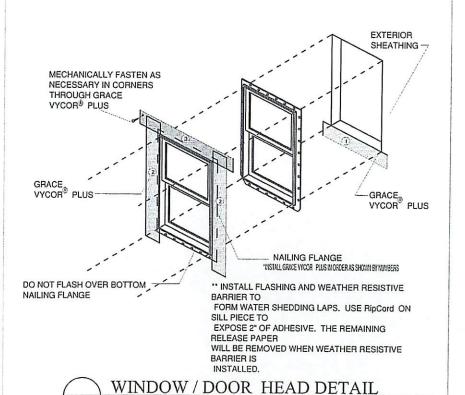


WINDOW / DOOR HEAD DETAIL

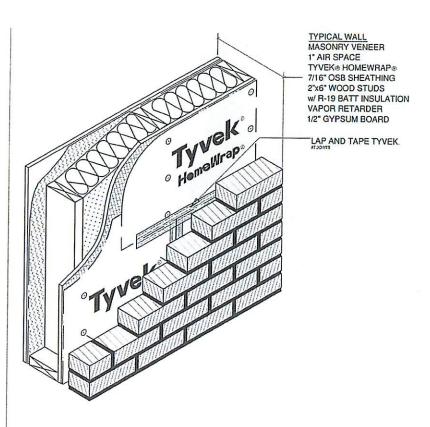
RESIDENTIAL WOOD FRAME STRUCTURE W/ EIFS CLADDING







RESIDENTIAL WOOD FRAME STRUCTURE W/ EIFS CLADDING



TYPICAL WALL ISOMETRIC

RESIDENTIAL WOOD FRAME STRUCTURE W/ MASONRY VENEER





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