160 UPPER A STREET RESIDENCE

PEAKS ISLAND, MAINE

OWNER

ENGINEER

ABBREVIATIONS

SUSAN BERRY 3222 DeSoto Street New Orleans, LA 70119

PAUL NELSON 422 Island Ave Peaks Island, ME 04108

DESIGNER

CASCO BAY ENGINEERING 424 Fore Street Portland, ME 04101



AFF ABOVE FINISHED FLOOR

BLDG BUILDING
BO BOTTOM OF
CHM CHIMNEY
CLG CEILING
CLST CLOSET

DR DOOR
D/W DISHWASHER

FFE FINISHED FLOOR ELEVATION

DRAWING

FL FLOOR

DWG

FND FOUNDATION

GC GENERAL CONTRACTOR
GWB GYPSUM WALL BOARD

INSUL INSULATION
MFGR MANUFACTURER

MAX MAXIMUM MINIMUM

MISC MISCELLANEOUS
M.O. MASONRY OPENING

OC ON CENTER PAINTED

PT PRESSURE TREATED
REF REFRIGERATOR
REQ REQUIRED

RM ROOM

R.O. ROUGH OPENING

SIM SIMILAR
STRL STRUCTURAL
TO TOP OF
TYP TYPICAL

UNO UNLESS NOTED OTHERWISE

U.D. UNIT DIMENSIONVIF VERIFY IN FIELD

WD WOOD

DRAWINGS

BOUNDARY SURVEY

ARCHITECTURAL DRAWINGS

A1 BASEMENT PLAN, FIRST FLOOR PLAN,

NOTES, MATERIALS, ALLOWANCES
A2 SECOND FLOOR PLAN, ROOF

PLAN, DOOR SCHEDULE

A3 REFLECTED CEILING PLANS/POWER PLANS
A4 EXTERIOR ELEVATIONS, SCHEDULES, NOTES

A5 SECTIONS, SECTION DETAILS, NOTES

A6 SECTIONS

A7 STAIR SECTIONS

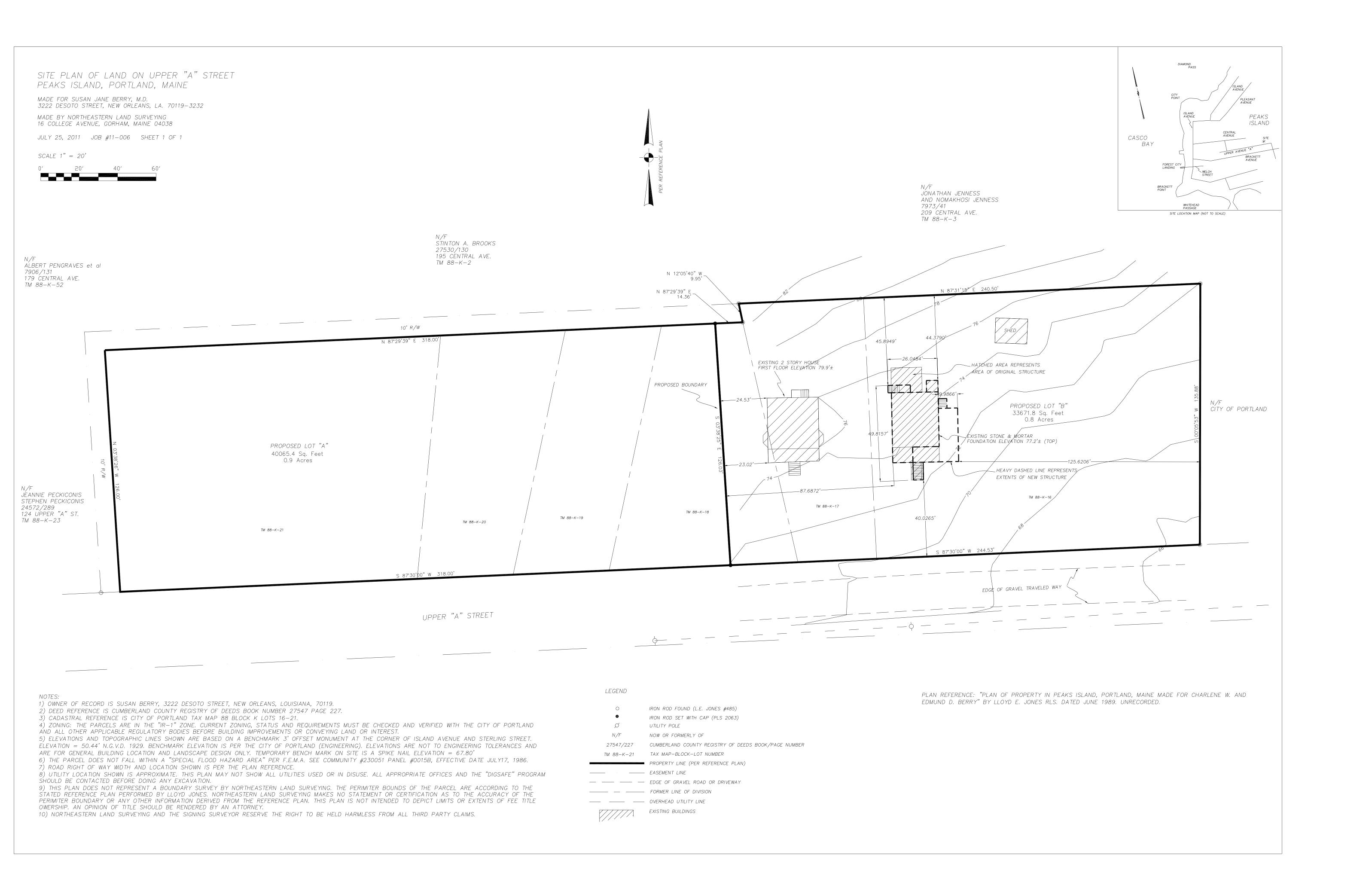
STRUCTURAL DRAWINGS

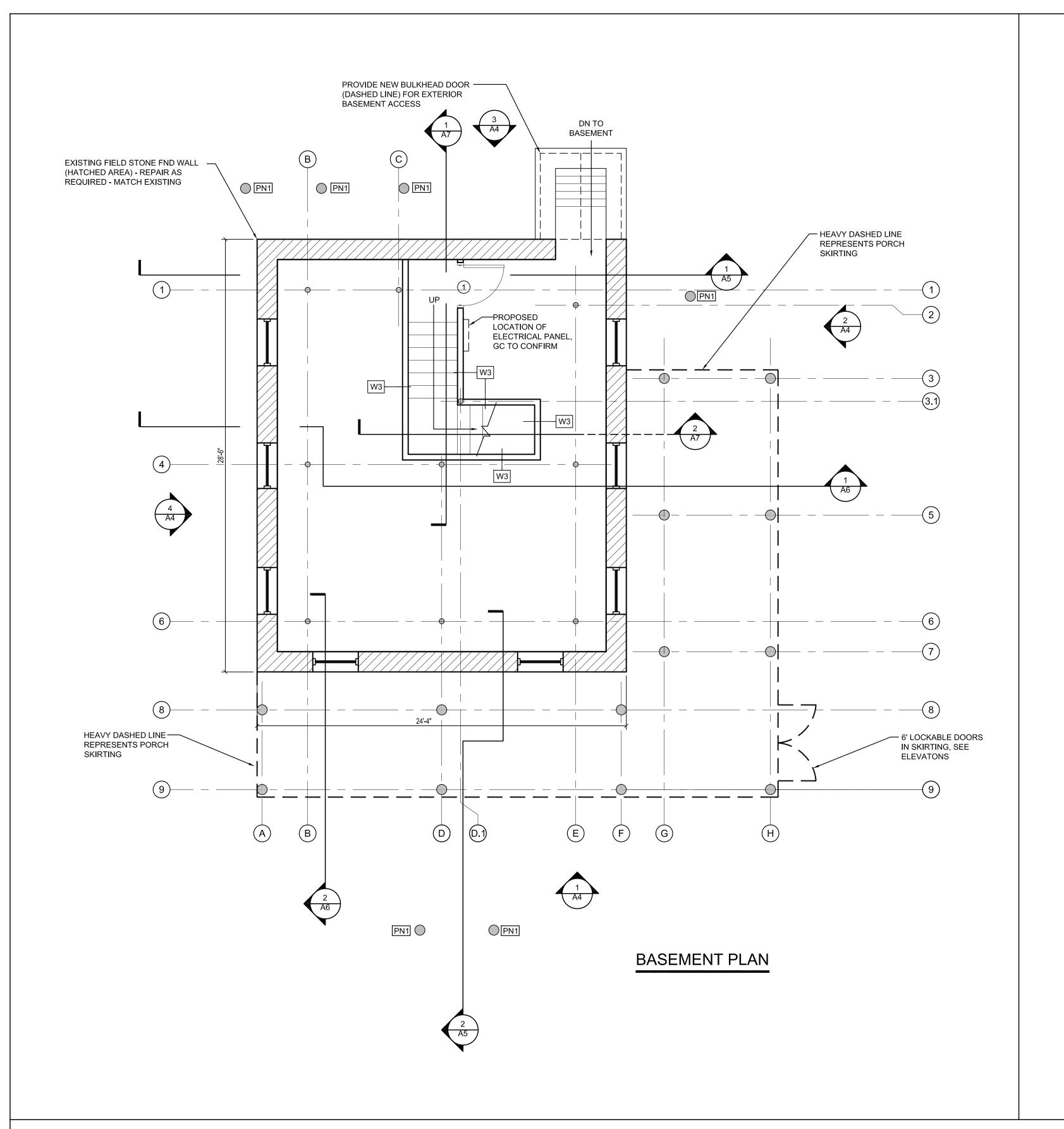
S0 STRUCTURAL NOTES

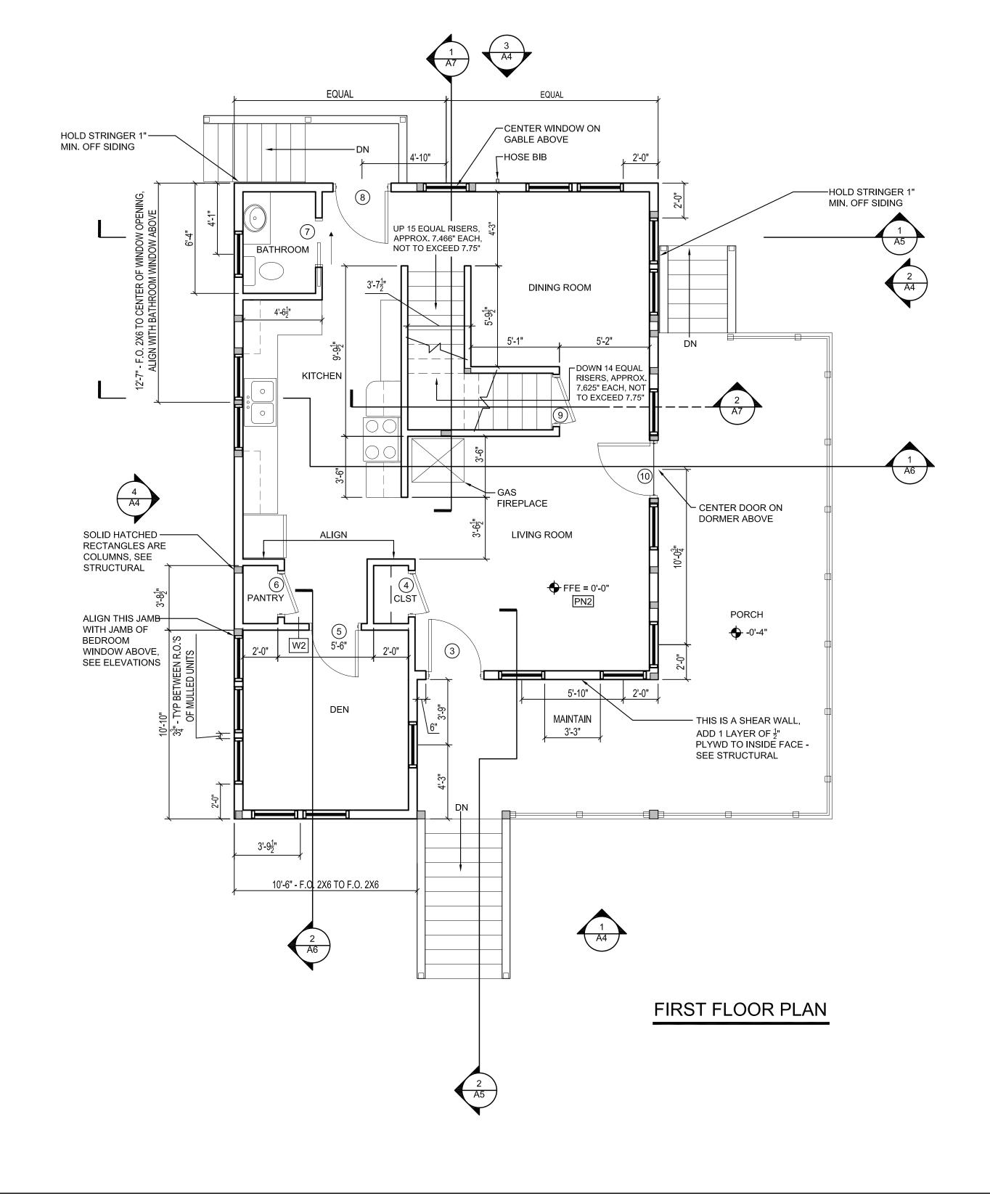
S100 FOUNDATION AND FIRST FLOOR FRAMING PLAN
S101 SECOND FLOOR AND ROOF FRAMING PLAN

S200 FRAMING DETAILSS201 FRAMING DETAILS

PERMIT DRAWINGS AUGUST 18, 2011







160 Upper A Stree Peaks Island, Maine

PERMIT DRAWINGS

August 18, 2011

WALL TYPES

- W1 2X4 WD STUD, ½" GWB BOTH SIDES

- NOTE: UNI ESS TASSED DIFFERENTLY

NOTE: UNLESS TAGGED DIFFERENTLY, ASSUME W1 FOR INTERIOR PARTITIONS

PLAN NOTES

PN1 - SONOTUBES WITH SOLID HATCH AND NOT DIRECTLY ON A COLUMN LINE ARE FOR EXTERIOR STAIR, STAIR LANDINGS, AND BACK PORCH SUPPRT. GC TO COORDINATE FINAL LOCATIONS.

PN2 - THE BOUNDARY/GRADING SURVEY PROVIDES A TOP OF EXISTING FOUNDATION ELEVATION OF 77.2'. THIS YIELDS A FIRST FLOOR FINISHED FLOOR ELEVATION OF 80' 1-7/8" THIS ELEVATION IS SET TO 0'-0" FOR THE PURPOSE OF DIMENSIONAL CLARITY IN THESE DRAWINGS.

DIMENSION NOTES

OUTSIDE OF EXTERIOR 6" STUD WALL REPRESENTS FACE OF STUD. INSIDE FACE OF THIS 6" STUD, AND BOTH FACES OF ALL INTERIOR STUDS IS THE FACE OF FINISH. DIMENSIONS TO INSIDE PARTITIONS ARE TO FACE OF FINISH.

DIMENSIONS TO WINDOWS AND DOORS ARE TO CENTER OF OPENING. DIMENSIONS SHOWN TO JAMBS ARE TO ROUGH OPENING.

WHERE WINDOWS, OR WINDOWS AND DOORS (AS AT DOOR #10), ARE SHOWN IMMEDIATELY ADJACENT TO EACH OTHER, THE DIMENSION BETWEEN ROUGH OPENINGS SHALL BE 3-3/4".

PROVIDE SUFFICIENT CLEARANCE BETWEEN DOORS AND INTERIOR CORNERS TO ALLOW TRIM TO BE INSTALLED.

MATERIALS

FLOORING - WIDE PLANK PINE WITH CLEAR FINISH EXCEPT IN BATHROOMS - USE TILE IN BATHROOMS

BASE - 4" PRE-PRIMED PINE, PAINTED

WALLS - PRIMED AND PAINTED DRYWALL (LEVEL 3 FINISH). USE MOISTURE RESISTANT DRYWALL IN BATHROOMS, KITCHENS, BASEMENT.

INTERIOR STAIRS - TREADS TO MATCH FLOORING, RISERS ARE PAINTED DINE

DECKS AND EXTERIOR STAIRS - PRESSURE TREATED

PORCH SKIRTING - PRESSURE TREATED

EXTERIOR TRIM BOARDS - PRE-PRIMED, NON FINGER JOINTED PINE,

SEE ELEVATIONS AND SECTIONS FOR OTHER NOTES PERTAINING TO MATERIALS.

USE PT COMPATIBLE FASTENERS AND HANGERS WITH ALL CONSTRUCTION USING PRESSURE TREATED LUMBER.

ALLOWANCES

ALLOWANCES INCLUDE COST OF MATERIAL ONLY, NOT DELIVERY OR INSTALLATION - ITEMIZED ALLOWANCES TO BE INCLUDED IN ESTIMATE.

KITCHEN - \$10,000 FOR CABINETS, COUNTERTOPS, AND APPLIANCES.

FOOT TUB, 3'-0" X 4'-0" SHOWER UNIT, TOILET, AND ACCESSORIES.

BATHROOM (DOWNSTAIRS) - \$500.00 FOR FIXTURES AND ACCESSORIES.

BATHROOM (UPSTAIRS) - \$2,600.00 TOTAL FOR A 3'-0" VANITY, 5'-7" CLAW

DOORS (PREHUNG) - \$300.00 PER DOOR, INCLUDES HARDWARE BUT NOT THRESHOLDS AND TRANSITIONS. FRENCH DOORS IN CLOSETS TO BE COUNTED AS TWO DOORS. INTERIOR DOORS TO BE WOOD, EXTERIOR

DOORS AND BASEMENT DOOR TO BE FIBERGLASS.

HEAT - \$5,000 FOR GAS STOVE AND METAL CHIMNEY

LAUNDR\Y ROOM - \$1,000 FOR APPLIANCES AND ANY CABINETRY OR COUNTERTOP.

LIGHTING FIXTURES - \$1,500 TOTAL FOR INTERIOR AND EXTERIOR FIXTURES - SEE POWER PLANS.

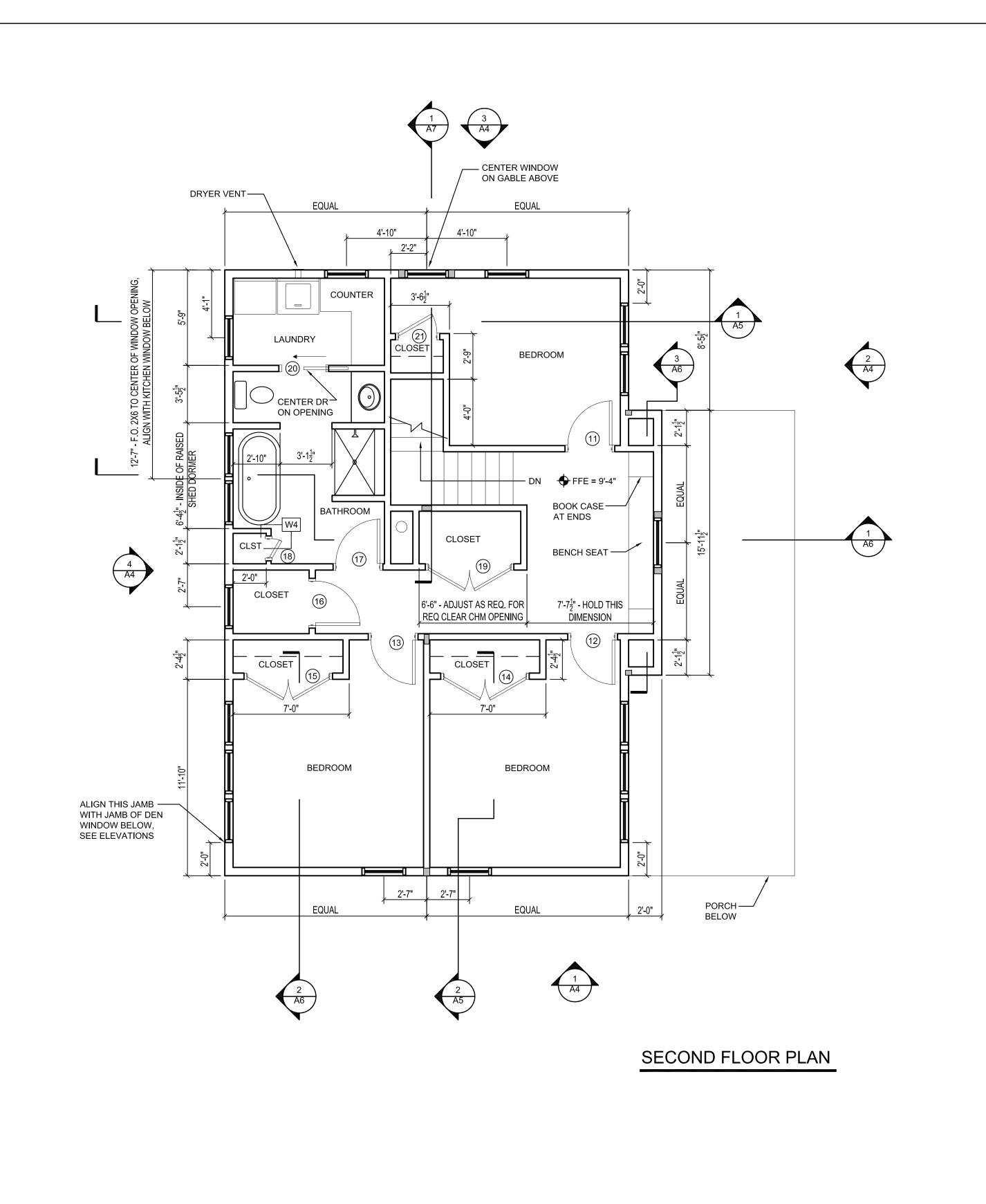
SPRINKLER ALLOWANCE

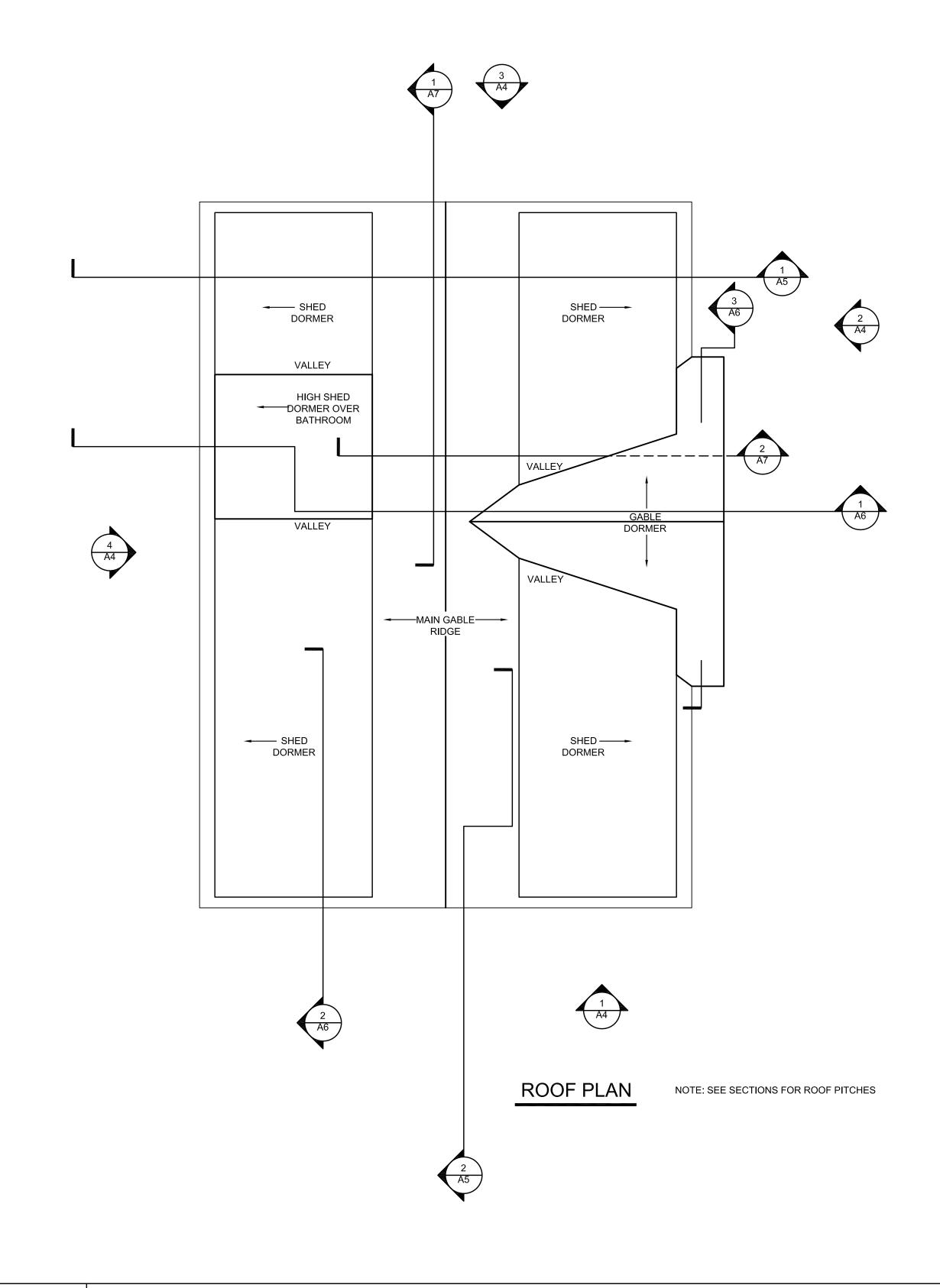
A TYPE 13D RESIDENTIAL SPRINKLER SYSTEM IS REQUIRED. CONTRACTOR TO INCLUDE ESTIMATE FOR INSTALLED COST OF THIS SYSTEM. BOOSTER PUMP AND CISTERN MAY BE REQUIRED, GC TO CONFIRM.

SCALE: \frac{1}{4}" = 1'-0"

FIRST FLOOR
PLAN, WALL
TYPES,
MATERIALS,
ALLOWANCES,
AND NOTES

A1





PERMIT **DRAWINGS**

> SCALE: $\frac{1}{4}$ " = 1'-0"

SECOND

FLOOR PLAN, ROOF PLAN, AND DOOR SCHEDULE

August 18, 2011

Street

Peak

09

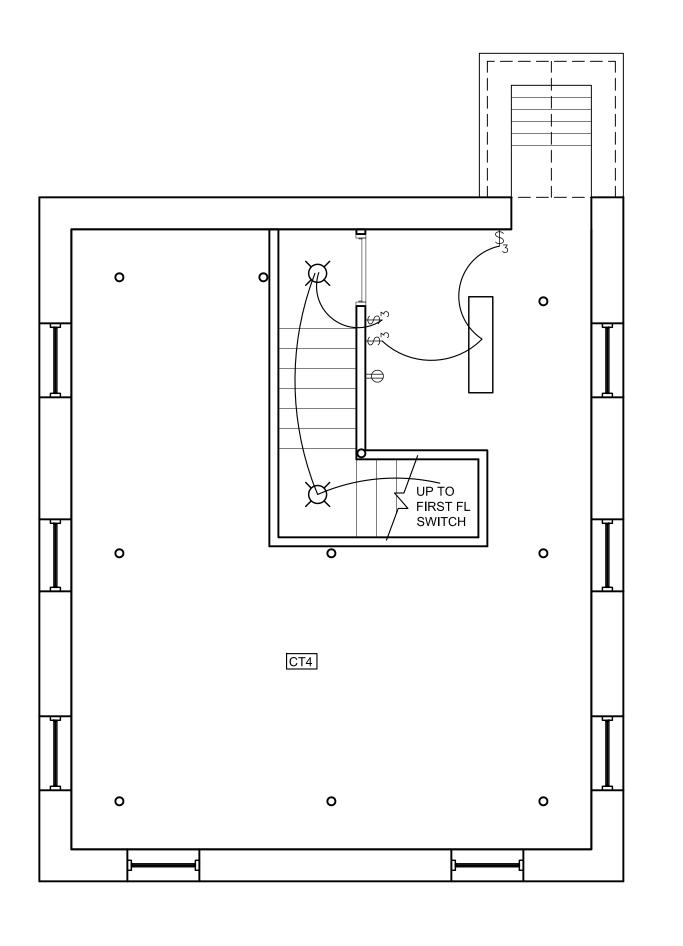
DOOR SCHEDULE

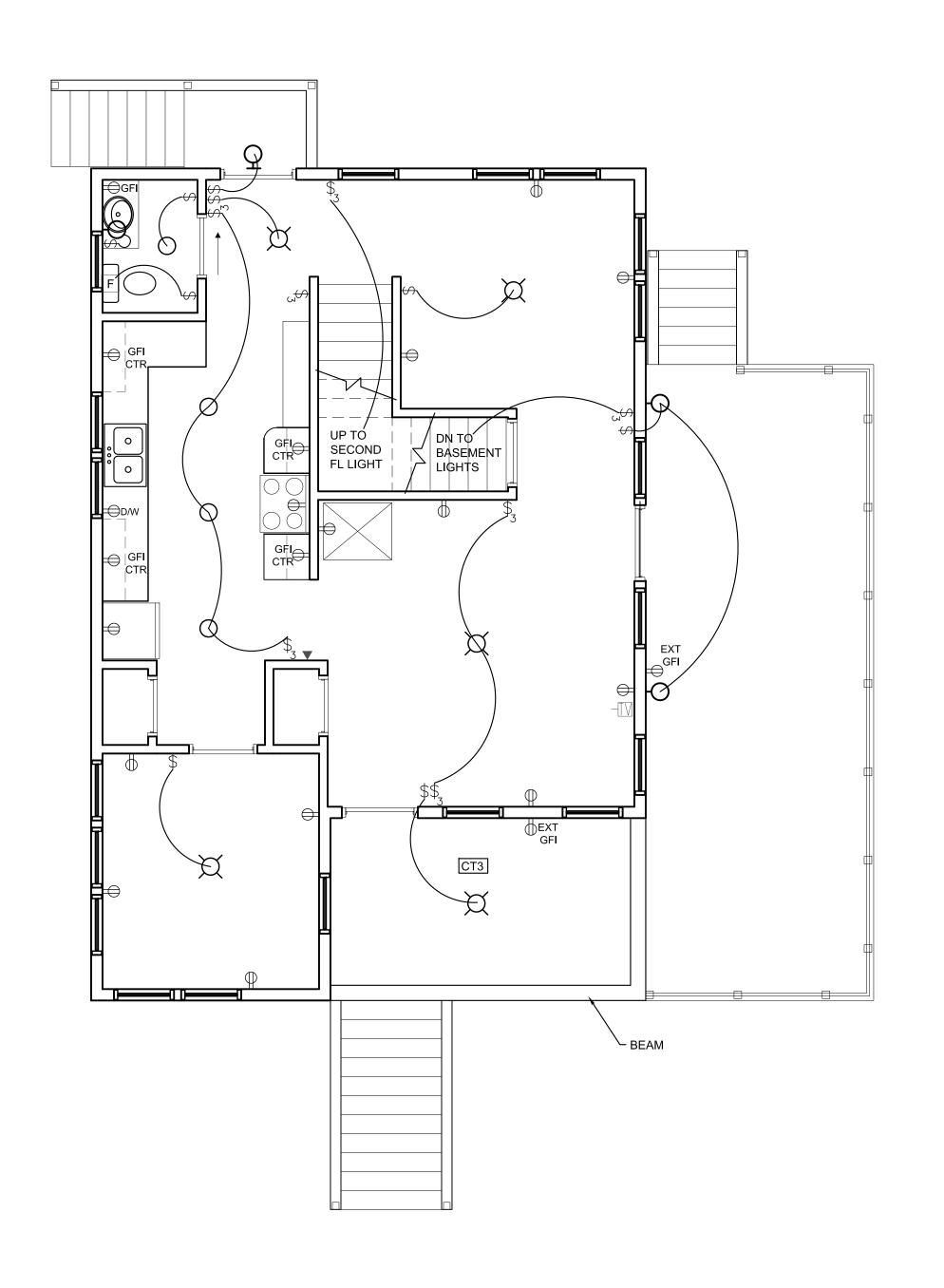
NUMBER	WIDTH	HEIGHT	HARDWARE	NOTE
1	2'-8"	6'-8"	CL	
2				GC TO COORDINATE BULKHEAD DOOR
3	3'-0"	6'-8"	CL	
4	2'-4"	6'-8"	PS	
5	2'-8"	6'-8"	PS	
6	2'-4"	6'-8"	PS	
7	2'-6"	6'-8"	PDPL	
8	3'-0"	6'-8"	CL	
9	2'-8"	6'-8"	CL	
10	3'-0"	6'-8"	CL	
11	2'-8"	6'-8"	PL	
12	2'-8"	6'-8"	PL	
13	2'-8"	6'-8"	PL	

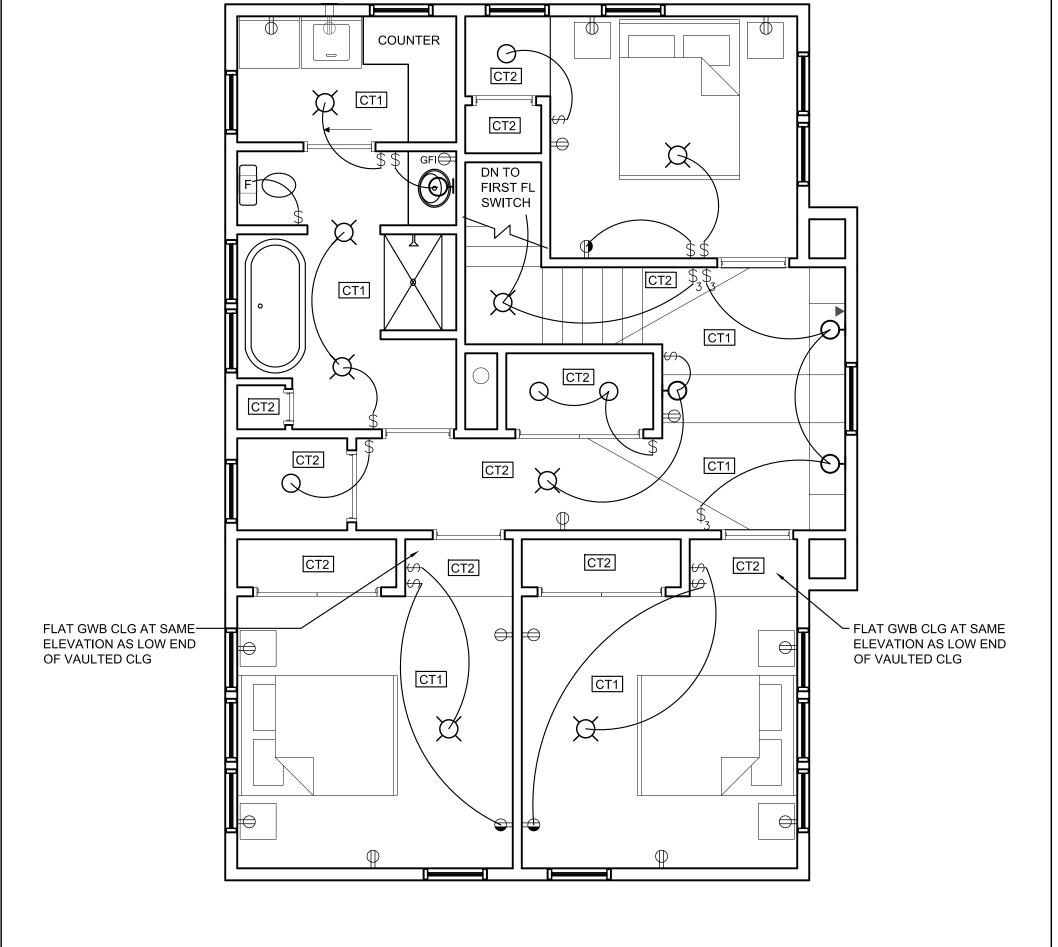
NUMBER	WIDTH	HEIGHT	HARDWARE	NOTE
14	5'-0"	6'-8"	PS	
15	5'-0"	6'-8"	PS	
16	2'-8"	6'-8"	PL	
17	2'-8"	6'-8"	PL	
18	1'-2"	6'-8"	PS	
19	5'-0"	6'-8"	PS	
20	2'-8"	6'-8"	PDPS	
15	2'-4"	6'-8"	PS	
	•		•	

HARDWARE KEY
CL CYLINDER LOCKSET
PL PRIVACY LOCKSET PASSAGE SET
POCKET DOOR PRIVACY LOCKSET
POCKET DOOR PASSAGE SET

DOOR TYPES ARE EITHER SINGLE LEAF, DOUBLE LEAF, OR POCKET, AS INDICATED ON THE PLAN. OWNER TO SELECT STYLE.







BASEMENT REFLECTED CEILING AND POWER PLAN

FIRST FLOOR REFLECTED CEILING AND POWER PLAN

SECOND FLOOR REFLECTED CEILING AND POWER PLAN

PERMIT **DRAWINGS**

Street

Peak

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August 18, 2011

POWER PLAN NOTES

ALL WORK TO CONFORM TO N.E.C. AND OTHER GOVERNING CODES.

MOUNT SWITCHES AT 4'-0" TO TOP OF PLATE.

MULTIPLE SWITCHES SHOWN IN SAME LOCATION SHALL BE GANGED UNDER COMMON PLATE.

SWITCHES SHOWN ADJACENT TO DOORS ARE TO BE LOCATED CLOSE TO FRAME ON LOCK

FIXTURES SHOWN ON THE DRAWING ARE TO BE SELECTED BY THE OWNER. SEE ALLOWANCES.

CEILING TYPES

CT1 - VAULTED GWB CEILING TO FOLLOW SLOPE OF ROOF/STRUCTURE. TURN HORIZONTAL AT BOTTOM OF MAIN SUPPORT/RIDGE BEAMS.

CT2 - FLAT GWB CEILING AT 8'-0" UNLESS NOTED OTHERWISE ON DRAWING. ALL FIRST FLOOR CEILINGS ARE TYPE CT2 AT 8'-0".

CT3 BEAD BOARD

CT4 EXPOSED FRAMING

LEGEND

▼ PHONE JACK

SINGLE WALL SWITCH

3-WAY WALL SWITCH

DIMMER SWITCH

220 VOLT OUTLET

DUPLEX WALL OUTLET

SWITCHED DUPLEX OUTLET

GFI GFI DUPLEX OUTLET

⊕ GFI GFI DUPLEX OUTLET - COUNTER HEIGHT

⇒ EXTERIOR GFI DUPLEX OUTLET

WALL SCONCE PENDANT LIGHT

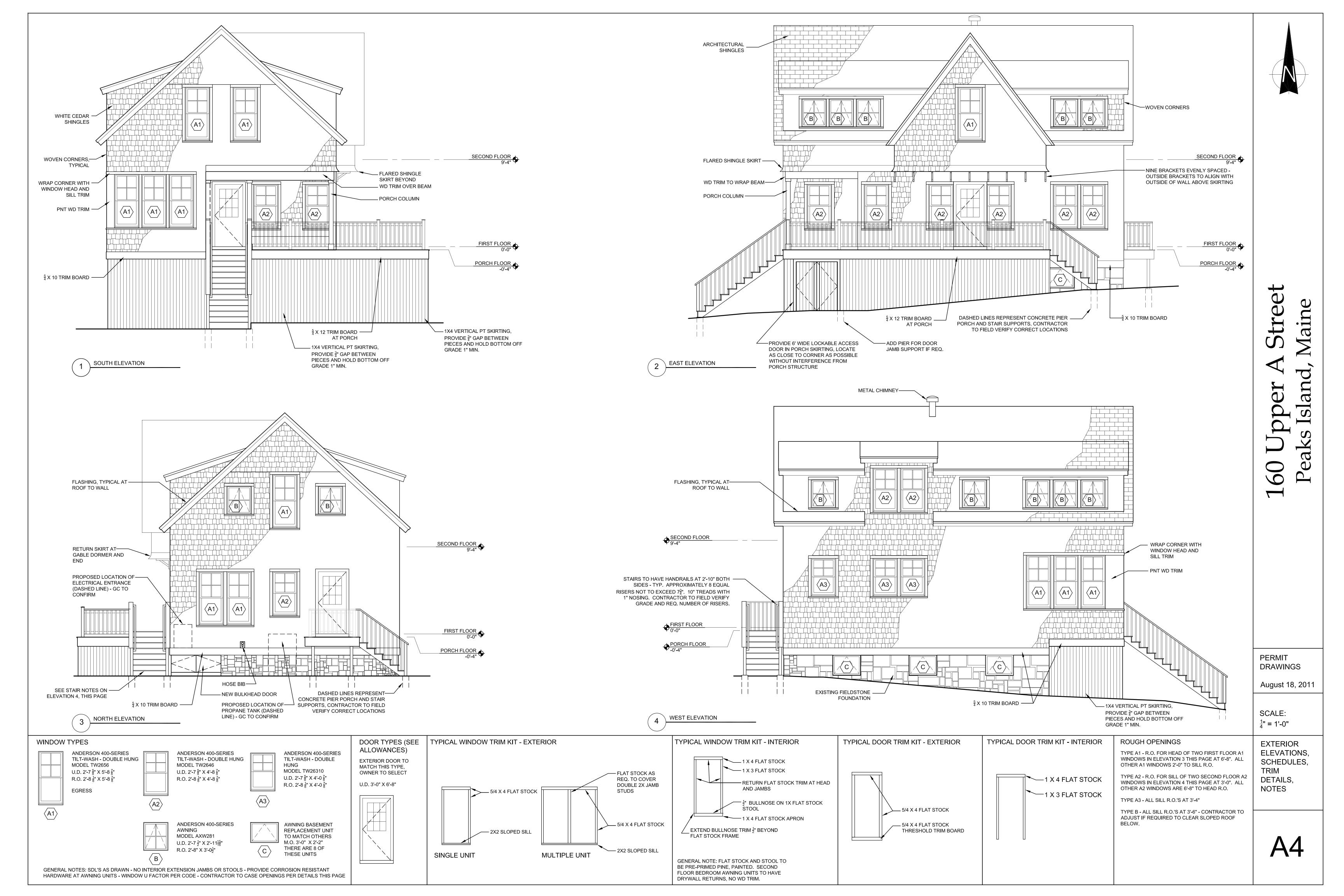
1' X 4' BASEMENT LIGHT

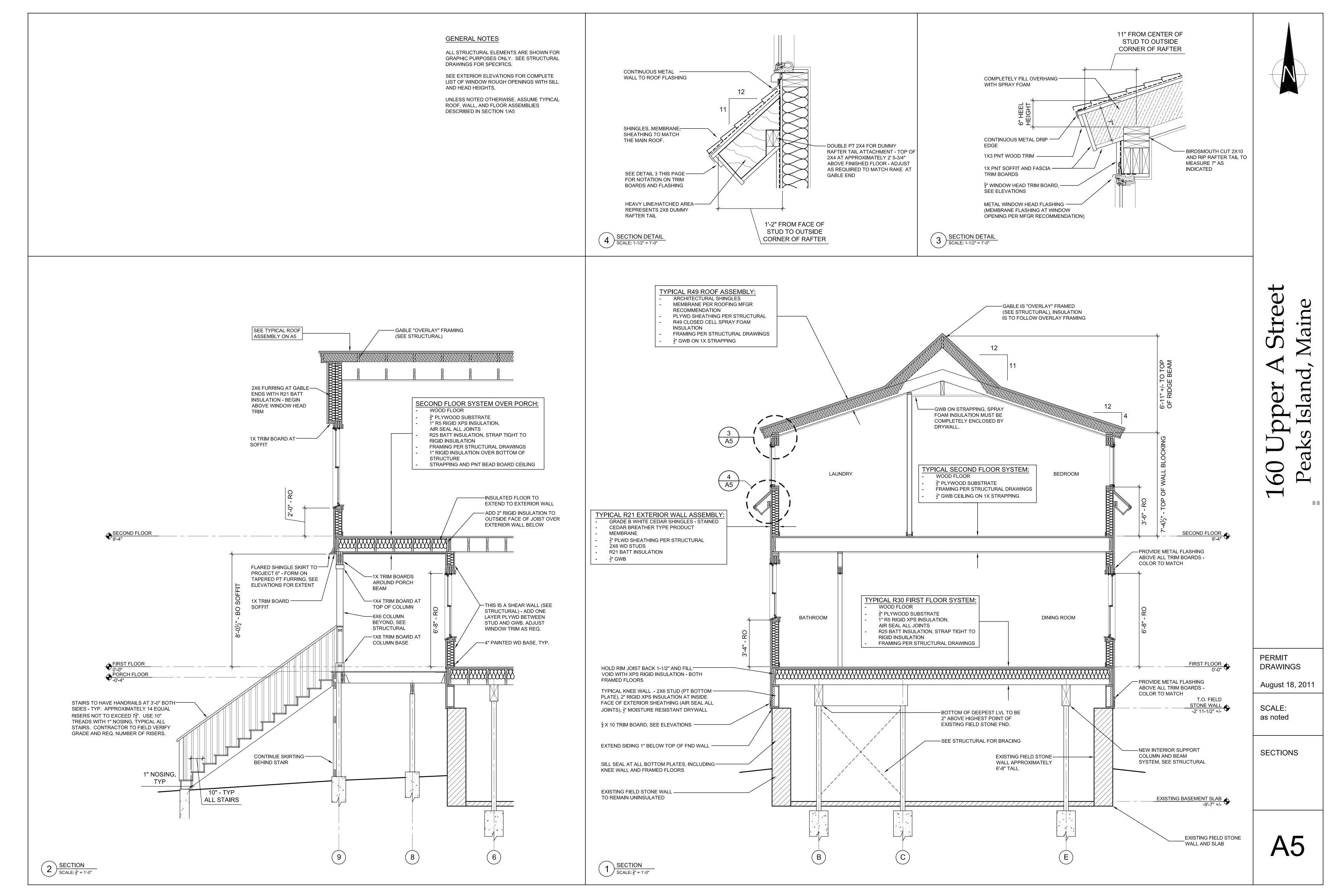
F FAN

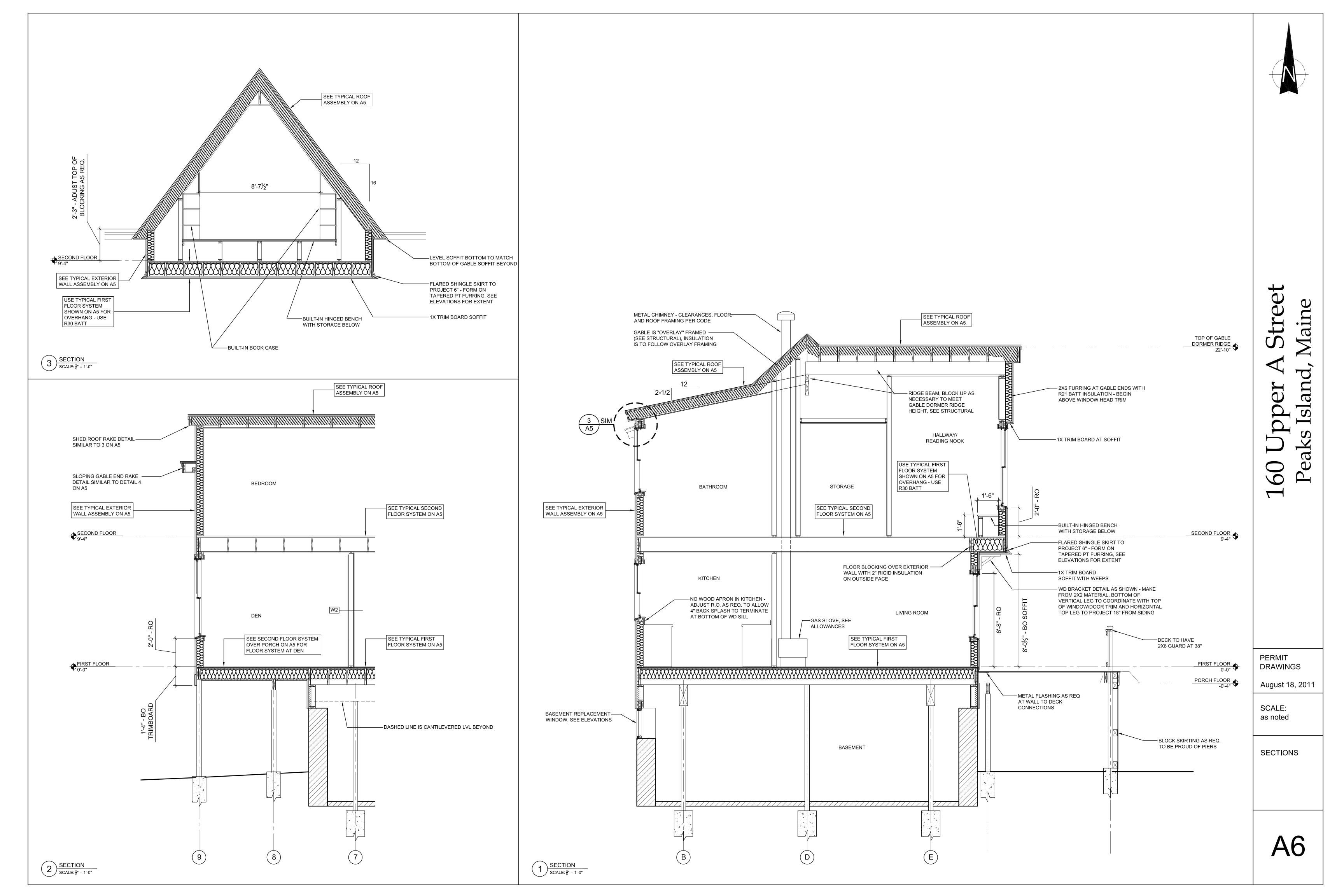
─∭ CABLE TV

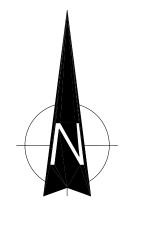
SCALE: $\frac{1}{4}$ " = 1'-0" RECESSED CEILING LIGHT

> REFLECTED **CEILING AND POWER PLANS**





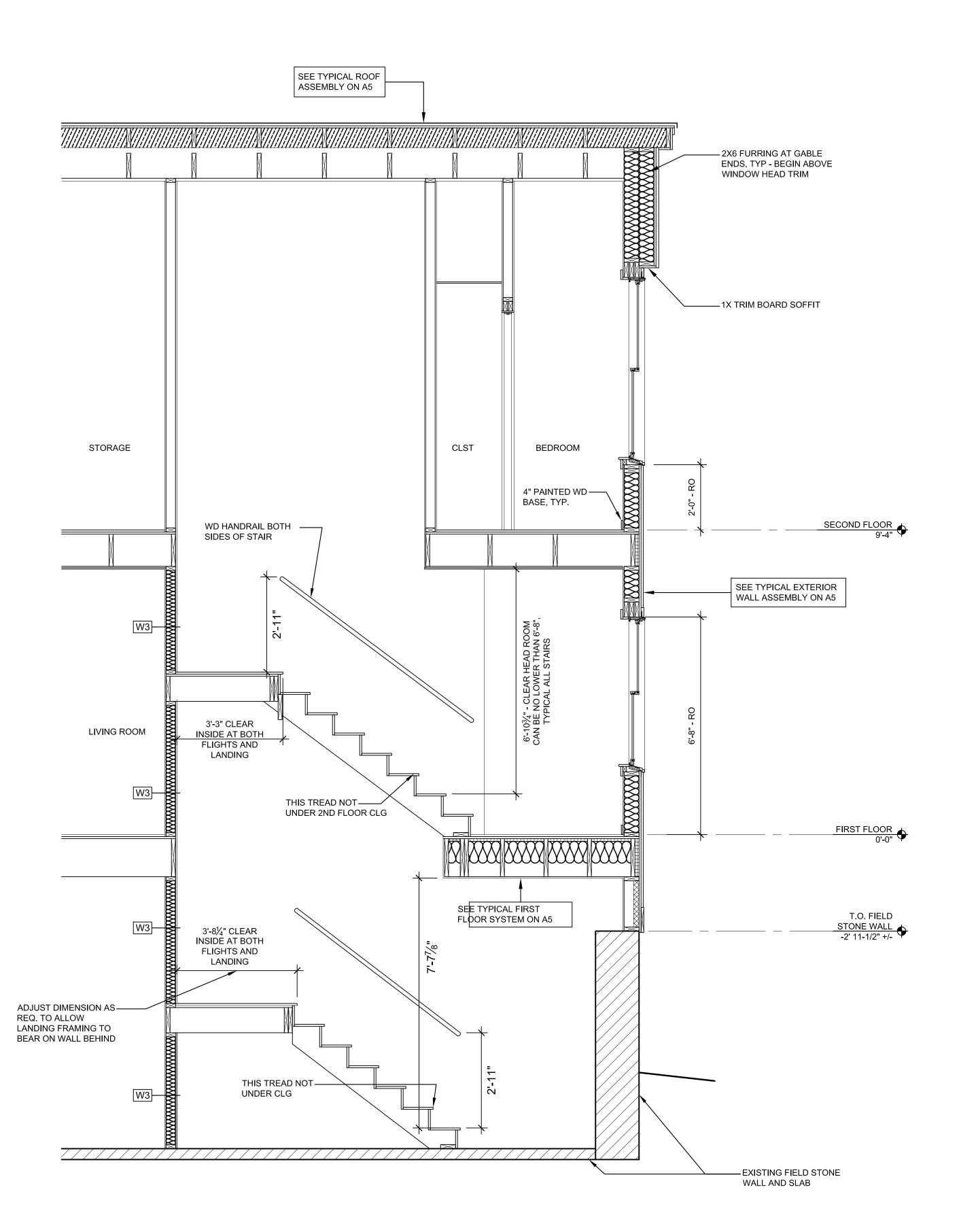




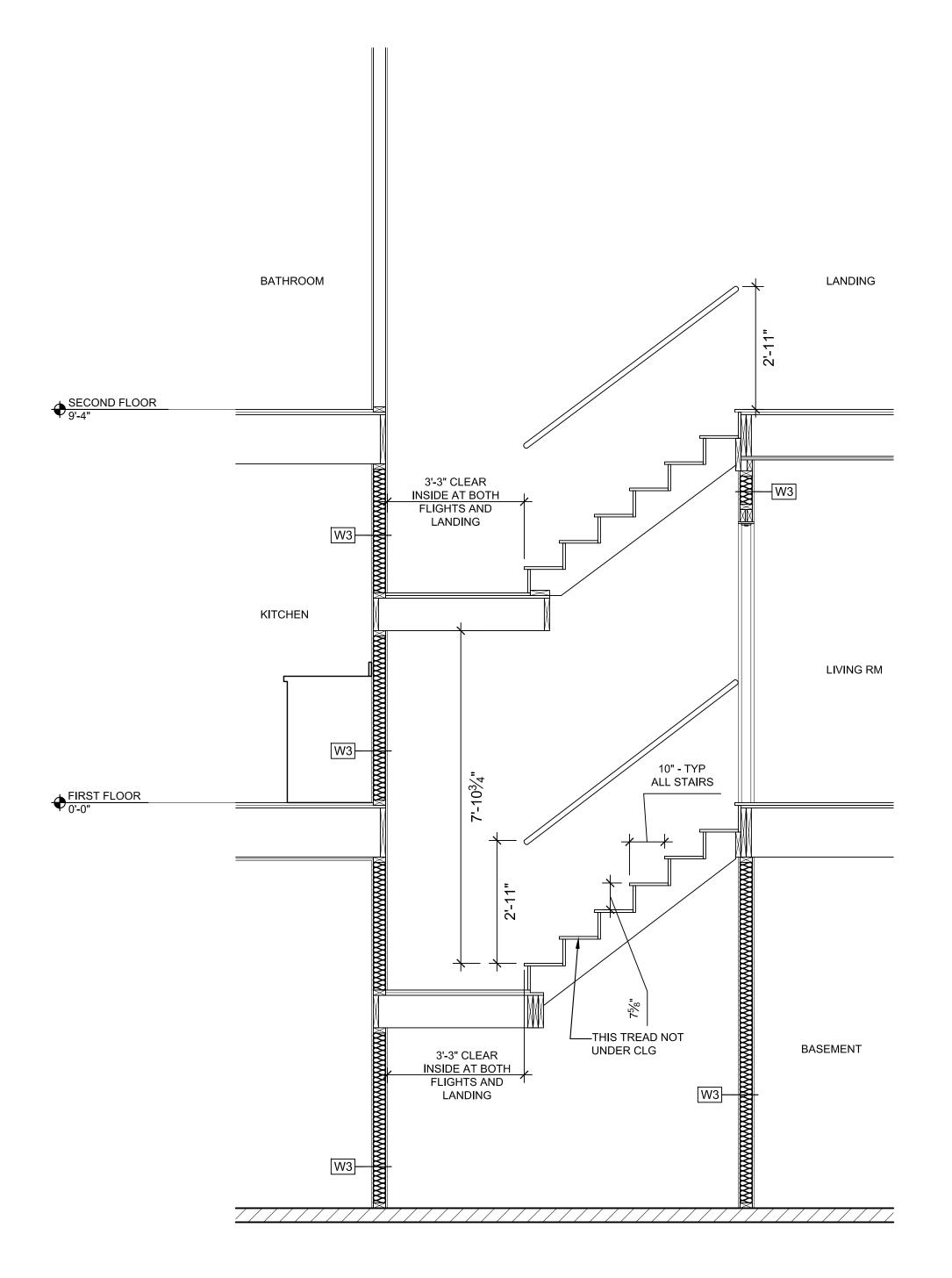
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 $P\epsilon$

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STAIR NOTES: ALL STAIRS TO HAVE MAXIMUM 7-3/4" RISER, 10" TREADS, AND 1" NOSING. PROVIDE HANDRAILS ON BOTH SIDES OF ALL STAIRS AT 2'-10". RETURN HANDRAILS AT BOTH TOP AND BOTTOM. MINIMUM HEAD HEIGHT CLEARANCE ABOVE TREADS IS 6'-8". DECK STAIRS TO HAVE BALUSTERS THAT ARE FULL HEIGHT AND SPACED TO PREVENT THE PASSAGE OF A SPHERE 4" IN DIAMETER. DECK STAIRS TO HAVE A 2X6 GUARD AT 38".



STAIR SECTION
SCALE: ½" = 1'-0"

STAIR SECTION

SCALE: ½" = 1'-0"

PERMIT DRAWINGS

August 18, 2011

SCALE: as noted

SECTIONS, STAIRS

۸ 7

EDITION OF THE IBC INTERNATIONAL BUILDING CODE IBC 2009

AMERICAN SOCIETY OF CIVIL ENGINEERS. MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES

THE FOLLOWING BUILDING CODES AND STANDARDS SHALL BE REFERENCED DURING CONSTRUCTION:

ACI 301 AMERICAN CONCRETE INSTITUTE SPECIFICATION FOR STRUCTURAL CONCRETE AMERICAN INSTITUTE OF STEEL CONSTRUCTION AISC ACI 318 AMERICAN CONCRETE INSTITUTE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE

AMERICAN SOCIETY OF TESTING AND MATERIALS NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION BY NATIONAL FOREST PRODUCTS ASSOCIATION, 2005.

REFERENCE ARCHITECTURAL PLANS FOR DIMENSIONS NOT SHOWN. REFERENCE MECHANICAL, ELECTRICAL, AND ARCHITECTURAL PLANS FOR SIZES AND LOCATIONS OF WALL AND SLAB OPENINGS, DUCTS, PIPING, CURBS, AND EQUIPMENT PADS. IN THE EVENT OF A CONFLICT BETWEEN THE DRAWINGS. SPECIFICATIONS, OR NOTES ON THE DRAWINGS, THE ENGINEER SHALL BE NOTIFIED PRIOR TO CONSTRUCTION.

EXISTING DIMENSIONS AND CONDITIONS ARE FOR REFERENCE ONLY. CONTRACTOR SHALL VERIFY ALL EXISTING CONSTRUCTION AND DIMENSIONS IN THE FIELD PRIOR TO CONSTRUCTION OR FABRICATION. ALL DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER PRIOR TO COMMENCING WORK.

THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF DEVIATIONS OR CHANGES ARE REQUIRED TO THE CONTRACT DOCUMENTS OR APPROVED SHOP DRAWINGS DUE TO INTERFERENCES, FABRICATION ERRORS, OR OTHER CAUSES.

THE STRUCTURE IS SELF-SUPPORTING AND STABLE AFTER THE ENTIRE BUILDING IS COMPLETELY CONSTRUCTED. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ERECTION PROCEDURES AND SEQUENCING DURING CONSTRUCTION AND ERECTION TO PROVIDE AND ENSURE LOCAL AND OVERALL STABILITY OF THE BUILDING AND ITS COMPONENTS DURING CONSTRUCTION AND ERECTION. THE CONTRACTOR SHALL RETAIN A LICENSED STRUCTURAL ENGINEER TO DESIGN TEMPORARY BRACING/SHORING AND DETERMINE WHERE THE TEMPORARY BRACING/SHORING IS NEEDED.

GENERAL NOTES SCALE: NTS

LIVE LOAD: SLEEPING AREAS = 30 PSF LIVING AREAS = 40 PSF EXTERIOR DECK = 50 PSF

ASTM

NDS

GROUND SNOW LOAD, Pg = 35 PSF SNOW EXPOSURE FACTOR, Ce = 1.0SNOW LOAD IMPORTANCE FACTOR, I = 1.0THERMAL FACTOR. Ct = 1.1FLAT ROOF SNOW LOAD, Pf = 38.5 PSF + DRIFT

WIND LOADS: BASIC WIND SPEED = 100 MPH IMPORTANCE FACTOR, Iw = 1.0WIND EXPOSURE C

MAIN WINDFORCE-RESISTING SYSTEM (INCLUDES WINDWARD + LEEWARD) = 20 PSF

SEISMIC CRITERIA: SOIL SITE CLASSIFICATION = D DESIGN SPECTRAL RESPONSE ACCELERATION: Sds = .37Sd1 = .16SEISMIC USE GROUP I SEISMIC DESIGN CATEGORY C RESPONSE MODIFICATION COEFFICIENT.....R = 6.5OCCUPANCY IMPORTANCE FACTOR......I_E= 1.0 BASE SHEAR..... ...V = Cs * W = 0.06 * W

DESIGN CRITERIA

SCALE: NTS

SCALE: NTS

ALL CONCRETE WORK, INCLUDING MATERIAL SELECTION, ADMIXTURES, MIXING, AND PLACEMENT OF CONCRETE SHALL BE IN CONFORMANCE WITH APPLICABLE BUILDING CODES. IN ADDITION, REFERENCE THE FOLLOWING CONCRETE STANDARDS AND SPECIFICATIONS

(W = SEISMIC WEIGHT)

- ACI 318 AMERICAN CONCRETE INSTITUTE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE
- ACI 301 AMERICAN CONCRETE INSTITUTE SPECIFICATIONS FOR STRUCTURAL CONCRETE ACI 305 STANDARD SPECIFICATION FOR HOT WEATHER CONCRETING
- ACI 306 STANDARD SPECIFICATION FOR COLD WEATHER CONCRETING ACI 308 STANDARD PRACTICE FOR CURING CONCRETE

REQUIRED CONCRETE PARAMETERS ARE AS FOLLOWS:

LOCATION	MAX W/C RATIO	ť c	AIR-ENTRAINMENT
INT. CONC./WALLS/SLABS	.52	3,000 PSI	2% ± 1½%
FOUNDATIONS, FOOTINGS, & FOUNDATION WALLS	.52	3,000 PSI	5-7%
INT. SLAB-ON-GRADE	.47	4,000 PSI	2% ± 1½%
EXT. SLAB-ON-GRADE	.45	4,000 PSI	6% ± 1½%

WHERE: W/C = WATER TO CEMENT RATIO AND f'c = COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS

MAXIMUM AGGREGATE SIZE SHALL BE 34", IN CONFORMANCE WITH ASTM C33. USE PORTLAND CEMENT TYPE II, IN CONFORMANCE WITH ASTM 150. AIR ENTRAINING ADMIXTURES SHALL CONFORM TO ASTM C 260. ADMIXTURES SHALL CONFORM TO "SPECIFICATION FOR CHEMICAL ADMIXTURES FOR CONCRETE" ASTM C 494. FLY ASH USED AS ADMIXTURES SHALL CONFORM TO ASTM C 618.

CALCIUM CHLORIDE OR ADMIXTURES CONTAINING CALCIUM CHLORIDE IS NOT PERMITTED. MAXIMUM SLUMP AFTER THE ADDITION OF A WATER-REDUCING ADMIXTURE IS 8 INCHES.

CONCRETE EXPOSED TO FREEZING AND THAWING, INCLUDING FOUNDATIONS, FOOTINGS, FOUNDATION WALLS, AND EXTERIOR WALKWAYS SHALL BE AIR ENTRAINED WITH AIR CONTENT BETWEEN 5% AND 6%. CONTRACTOR SHALL NOT PLACE CONCRETE ON FROZEN GROUND OR IN WATER. ADEQUATE EQUIPMENT SHALL BE PROVIDED FOR HEATING CONCRETE MATERIALS AND PROTECTING CONCRETE DURING NEAR-FREEZING OR FREEZING WEATHER. REFERENCE ACI 306, AS NOTED ABOVE, FOR RECOMMENDATIONS FOR COLD WEATHER CONCRETING.

CONTRACTOR SHALL SUBMIT PROPOSED CONCRETE MIX DESIGN AND LABORATORY TESTS OF FABRICATED CYLINDERS VERIFYING CONCRETE STRENGTH OR PERFORMANCE HISTORY OF MIX TO ENGINEER FOR ACCEPTANCE PRIOR TO PLACEMENT OF CONCRETE. CONCRETE USED ON SITE SHALL BE FIELD TESTED IN ACCORDANCE WITH AND IN THE PRESENCE OF AN APPROVED TESTING AGENCY. FIELD TESTING INFORMATION SHALL INDICATE SLUMP, AIR CONTENT, AND TEMPERATURE. COMPRESSION TEST 1 CYLINDER AT 7 DAYS AND 2 AT 28 DAYS. HOLD AN ADDITIONAL CYLINDER FOR A 56 DAY BREAK, IF NECESSARY. PROVIDE A SET OF 4 CYLINDERS FOR EACH PLACEMENT AND PER 50 CUBIC YARDS OF CONCRETE PLACED. THE OWNER SHALL PAY FOR ALL CONCRETE TESTING.

CONSTRUCTION JOINTS IN WALLS SHALL BE PERMITTED AS DETAILED ON THE STRUCTURAL DRAWINGS. SURFACES OF CONCRETE CONSTRUCTION JOINTS SHALL BE CLEANED AND LAITANCE REMOVED. IMMEDIATELY BEFORE NEW CONCRETE IS PLACED, CONSTRUCTION JOINTS SHALL BE WETTED AND STANDING WATER REMOVED. VERTICAL CONSTRUCTION JOINTS IN WALLS SHALL NOT EXCEED A SPACING OF 40 FEET.

WHERE ELECTRICAL CONDUIT/ RADIANT HEATING TUBES RUN IN THE SLAB, THEY SHALL BE LOCATED AT MID-DEPTH OF THE SLAB. ALUMINUM CONDUIT AND SLEEVES ARE NOT PERMITTED.

ANCHOR BOLTS SHALL CONFORM TO ASTM F1554. ANCHOR BOLTS SHALL HAVE HEAVY HEX NUTS AND LOCK WASHERS.

CONCRETE NOTES

USE DEFORMED BILLET-STEEL REINFORCING BARS, GRADE 60, IN CONFORMANCE WITH ASTM A615. REINFORCEMENT SHALL BE ACCURATELY PLACED AND SUPPORTED PRIOR TO CONCRETE PLACEMENT, AND SHALL BE SECURED AGAINST DISPLACEMENT.

THE CONTRACTOR SHALL SUBMIT REINFORCING SHOP DRAWINGS TO THE ENGINEER FOR REVIEW AND ACCEPTANCE PRIOR TO COMMENCING FABRICATION. REINFORCEMENT SHALL BE DETAILED IN ACCORDANCE WITH ACI "MANUAL OF STANDARD PRACTICE FOR DETAILING OF REINFORCED CONCRETE STRUCTURES". SHOP DRAWINGS SHALL SHOW REINFORCING STEEL PLACEMENT DETAILS AND SECTIONS.

MINIMUM CONCRETE COVER FOR REINFORCEMENT	
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3 INCHES
CONCRETE EXPOSED TO EARTH OR WEATHER	2 INCHES
CONCRETE NOT EXPOSED TO EARTH OR WEATHER IN SLABS AND WALLS (FOR PRIMARY REINFORCEMENT, TIES, AND STIRRUPS)	1⅓ INCHES
CONCRETE NOT EXPOSED TO EARTH OF WEATHER IN COLUMNS AND BEAMS	1½ INCHES

CONTINUOUS REINFORCEMENT SHALL BE TENSION LAP SPLICED PER LAP SPLICE LENGTH TABLE, U.N.O..

LAP SPI	JCE LI	ENGTH	TABL	E			
BAR SIZE	#3	#4	# 5	#6	# 7	#8	#9
MIN LAP SPLICE (INCHES)	18	24	30	36	48	64	81

REINFORCEMENT HOOKS SHALL CONFORM TO STANDARD HOOKS ACCORDING TO ACI 318.

WELDING OF REINFORCEMENT IS NOT PERMITTED, U.N.O.

CONCRETE REINFORCING NOTES

SCALE: NTS

SCALE: NTS

SCALE: NTS

SUBGRADE PREPARATION AND DETERMINATION (INCLUDING ALLOWABLE BEARING PRESSURE, STRUCTURAL FILL GRADATION REQUIREMENTS, COMPACTION REQUIREMENTS AND POST—CONSTRUCTION SETTLEMENT ANALYSIS) BENEATH FOOTINGS AND SLABS-ON-GRADE AND BEHIND FOUNDATION WALLS SHALL BE PROVIDED BY A GEOTECHNICAL ENGINEER. ALL FILL USED TO SUPPORT FOUNDATIONS AND SLABS-ON-GRADE SHALL CONSIST OF A WELL-GRADED, GRANULAR MATERIAL PER THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER. STRUCTURAL SLABS SHALL BE CONSTRUCTED ON A MINIMUM 12" THICK LAYER OF STRUCTURAL FILL SOIL WITH PROPERTIES PER THE GEOTECHNICAL ENGINEER.

PRESUMED ALLOWABLE SOIL BEARING PRESSURE USED IN DESIGN = 2,000 PSF. BEARING CAPACITIES SHALL BE VERIFIED BY GEOTECHNICAL ENGINEER.

MINIMUM FROST DEPTH COVER = 4'-0" FOR EXTERIOR FOOTINGS BELOW FINAL EXTERIOR GRADE. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES.

FOUNDATIONS SHALL BEAR ON UNDISTURBED NATIVE SOIL, UNLESS NOTED OTHERWISE. BEARING ELEVATIONS SHALL BE LOWERED WHERE SUITABLE SOILS ARE NOT ENCOUNTERED. WHERE OVEREXCAVATION HAS OCCURRED, CONTRACTOR MAY PLACE LEAN CONCRETE ON TOP OF NATIVE SOIL. THE CONTRACTOR SHALL NOTIFY THE GEOTECHNICAL AND STRUCTURAL ENGINEER IF ANY UNSUITABLE SOILS ARE ENCOUNTERED PRIOR TO PLACING FOUNDATIONS.

FOUNDATION WALLS SHALL BE BACKFILLED SIMULTANEOUSLY ON BOTH SIDES OF THE WALL. FOUNDATION WALLS AND SLAB-ON-GRADES SHALL REACH THEIR FULL 28 DAY COMPRESSIVE STRENGTH PRIOR TO BACKFILLING. THE CONTRACTOR SHALL PROVIDE TEMPORARY SHORING /BRACING FOR WALLS WHEN BACKFILL IS PLACED PRIOR TO CONCRETE ACHIEVING ITS FULL 28 DAY STRENGTH. BACKFILL FOR FOUNDATION WALLS IS BASED ON DRAINED CONDITIONS. SEE ARCHITECTURAL, CIVIL, AND MECHANICAL DRAWINGS FOR FOUNDATION DRAINAGE SYSTEM.

PROTECT FOUNDATIONS FROM FROST AND KEEP BOTTOM OF TRENCH DRY DURING CONSTRUCTION. IF GROUNDWATER IS ENCOUNTERED NEAR OR ABOVE THE BASE OF THE FOOTINGS, EXCAVATIONS SHALL BE DEWATERED DURING CONSTRUCTION. SURFACE WATER SHALL BE DIVERTED AWAY FROM EXCAVATIONS.

CONTRACTOR SHALL BE RESPONSIBLE FOR THE SHORING AND BRACING OF EXISTING STRUCTURES DURING EXCAVATION, BACKFILLING, AND CONSTRUCTION. CONTRACTOR SHALL SLOPE EXCAVATIONS TO ACHIEVE SOIL STABILITY.

ALL STRUCTURAL STEEL WORK SHALL CONFORM TO:

AMERICAN INSTITUTE OF STEEL CONSTRUCTION, MANUAL OF STEEL CONSTRUCTION, NINTH EDITION CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES

STRUCTURAL STEEL MEMBERS SHALL BE IN CONFORMANCE WITH THE FOLLOWING:

ALL STEEL, U.N.O. ASTM A992, GRADE 50 ASTM A36, Fy=36 KSI ANGLES, PLATES STRUCTURAL TUBING ASTM A500, GRADE B, Fy=46 KSI ASTM A53, TYPE E OR S, GRADE B, Fy=35 KSI STEEL PIPE

SHOP DRAWINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW PRIOR TO COMMENCING FABRICATION.

- SHOP DRAWINGS SUBMITTALS SHALL INCLUDE: 1. CERTIFIED MILL TEST REPORTS OF STRUCTURAL STEEL (INCLUDING NAMES AND LOCATIONS OF MILLS
- 2. CERTIFIED MILL TEST REPORTS OF BOLTS, NUTS AND WASHERS (INCLUDING NAMES AND LOCATIONS OF MILLS
- AND SHOPS). 3. STRUCTURAL STEEL FABRICATION AND ERECTION DRAWINGS WHICH INCLUDE BOLTED CONNECTIONS (SHOP AND
- FIELD) AND WELDED CONNECTIONS (SHOP AND FIELD) DEPICTING AWS WELDING SYMBOLS. 4. METAL DECK SHOP DRAWINGS DEPICTING SHEAR STUD LAYOUT ON BEAMS AND GIRDERS.
- OWNER SHALL RETAIN A QUALIFIED TESTING AGENCY TO PERFORM AND VERIFY THE FOLLOWING: 1. VISUAL INSPECTION OF ALL WELDS.
- 2. ULTRASONIC TESTING, IN ACCORDANCE WITH ASTM E-164, ON 100% OF ALL FIELD FULL PENETRATION WELDS. 3. PROVIDE RANDOM VERIFICATION VIA ULTRASONIC TESTING OF SHOP FULL PENETRATION WELDS.
- 4. FIELD BOLTED CONNECTIONS, INCLUDING VERIFICATION OF BOLT GRADES. 5. SHEAR STUD QUANTITY, PROPER INSTALLATION, SIZE, AND SPACING. SHEAR STUDS SHALL CONFORM TO AWS D1.1.

BOLTED CONNECTIONS:

- 1. FIELD CONNECTIONS SHALL UTILIZE MINIMUM ¾" DIAMETER A325 HIGH STRENGTH BOLTS, U.N.O.. BOLTED CONNECTION SHALL BE SLIP CRITICAL (SC) AT ALL MOMENT FRAMES, BRACED FRAMES, AND AT ADDITIONAL LOCATIONS INDICATED IN THE DRAWINGS. SLIP CRITICAL CONNECTIONS SHALL UTILIZE LOAD INDICATOR WASHERS OR TENSION CONTROL BOLTS. BOLT HOLES SHALL BE STANDARD SIZE, U.N.O..
- JOINTS USING ASTM A325 BOLTS. 3. ANCHOR BOLTS SHALL CONFORM TO ASTM F1554, GRADE 36, STANDARD HEX HEAD FURNISHED WITH HEAVY HEX NUTS AND LOCK WASHERS.

2. HIGH STRENGTH BOLTS SHALL BE INSTALLED AND TIGHTENED PER AISC SPECIFICATION FOR STRUCTURAL

4. CONTRACTOR SHALL DESIGN CONNECTIONS NOT ALREADY DETAILED ON STRUCTURAL DRAWINGS. DESIGN SHALL BE STAMPED BY A LICENSED STRUCTURAL ENGINEER AND SUBMITTED PRIOR TO COMMENCING

WELDED CONNECTIONS: 1. WELDING SHALL CONFORM TO AWS D1.1. USE LOW-HYDROGEN SMAW ELECTRODES WITH MINIMUM TENSILE

STRENGTH OF 70 KSI. STRUCTURAL STEEL SHALL RECEIVE THE FOLLOWING PROTECTIVE COATINGS:

- 1. DO NOT PAINT SURFACES TO RECEIVE METAL DECK AND/ OR SHEAR CONNECTORS FASTENED BY WELDING, CONTACT SURFACES OF HIGH STRENGTH BOLTED CONNECTIONS, FINISHED BEARING SURFACES, AND SURFACES TO BE WELDED IN THE FIELD. IF REQUIRED, PROTECT THESE SURFACES BY RUST-INHIBITING COATING THAT CAN BE REMOVED EASILY PRIOR TO ERECTION.
- 2. UNEXPOSED STRUCTURAL STEEL SHALL BE CLEANED IN ACCORDANCE WITH SSPC-SP3 AND PAINTED WITH PRIMER PAINT, TNEMEC 10-99, OR EQUIVALENT, U.N.O..
- 3. EXPOSED STRUCTURAL STEEL TO RECEIVE ZINC-RICH EPOXY PAINT SHALL BE FIRST CLEANED IN ACCORDANCE WITH SSPC-SP6 , COMMERCIAL BLAST CLEANING. USE TNEMEC ZIN-RICH EPOXY PAINT, OR EQUIVALENT. APPLY FINISH COAT PER ARCHITECT.
- 4. EXPOSED STRUCTURAL STEEL TO BE HOT-DIPPED GALVANIZED SHALL BE IN ACCORDANCE WITH ASTM A123.

SHEAR CONNECTOR STUDS:

- 1. SHEAR CONNECTOR STUDS SHALL BE NELSON, OR EQUIVALENT, 3/4" DIAMETER, U.N.O.. WELD STUDS PER STUD MANUFACTURER'S RECOMMENDATIONS THROUGH METAL DECKING. STUD LENGTH SHALL BE 1" BELOW TOP OF CONCRETE SLAB-ON-DECK.
- 2. SHEAR STUDS, WHERE REQUIRED, ARE INDICATED ON THE DRAWINGS AS [XX], WHERE XX IS THE NUMBER OF STUDS EQUALLY SPACED BETWEEN SUPPORTS ON A BEAM OR GIRDER.

SIRUCIURAL SIEEL NOIES SCALE: NTS

ALL LUMBER SHALL BE VISUALLY GRADED AND STAMPED WITH GRADE DESIGNATION, SPECIES, AND ADDITIONAL INSPECTION INFORMATION, U.N.O..

CARE SHALL BE TAKEN TO PROTECT TIMBER FROM WEATHER AND DAMPNESS. DO NOT STACK IN SUCH A WAY AS TO CAUSE WARPING OR PREVENT ADEQUATE AIR CIRCULATION.

WOOD GRADES AND SPECIES:

FOUNDATION NOTES

- 1. SPRUCE-PINE-FIR, No.1/No.2 OR BETTER FOR TYPICAL LUMBER (JOISTS, WALLS, ETC) U.N.O. 2. USE SOUTHERN YELLOW PINE FOR EXTERIOR EXPOSURE APPLICATIONS AND WHERE SHOWN ON DRAWINGS
- AS PRESERVATIVE PRESSURE TREATED LUMBER (PT OR PPT).
- 3. WHERE NOTED LVL ON DRAWINGS. PROVIDE VERSA LAM 3100 BY BOISE CASCADE. OR EQUIVALENT. WHICH HAS THE FOLLOWING MINIMUM ALLOWABLE STRESSES:

A. LVL PROPERTIES: Fb = 3100 PSIFc = 2510 PSI (PARALLEL TO GRAIN) Fc = 750 PSI (PERPENDICULAR TO GRAIN) Fv = 285 PSI

Ft = 1555 PSI E = 2,000,000 PSI

STRUCTURAL LUMBER SHALL HAVE A MAXIMUM MOISTURE CONTENT OF 19%.

PROVIDE PRESSURE TREATED OR WOLVANIZED LUMBER FOR ALL LUMBER IN CONTACT WITH MASONRY OR CONCRETE. ALL CONNECTORS THAT ARE IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE HOT-DIP GALVANIZED. U.N.O.

NOMINAL SIZES ARE TYPICALLY REFERENCED ON THE DRAWINGS. PROVIDE ACTUAL SIZES AS SET FORTH IN U.S. DEPARTMENT OF COMMERCE VOLUNTARY PRODUCT STANDARD PS20-99.

ALL PLYWOOD SHALL BE APA RATED CDX SHEATHING:

- 1. USE "", PLYWOOD WALL SHEATHING. ATTACH PLYWOOD WITH LONG SIDE PERPENDICULAR TO WALL STUDS. STAGGER PANEL ENDS AND BLOCK ALL PANEL EDGES.
- 2. USE 5/8" PLYWOOD ROOF SHEATHING. ATTACH PLYWOOD WITH LONG SIDE PERPENDICULAR TO FRAMING. STAGGER PANEL ENDS. USE SHEATHING CLIPS BETWEEN SHEETS WHERE BLOCKING IS NOT REQUIRED. 3. USE 34" PLYWOOD FLOOR SHEATHING. ATTACH PLYWOOD WITH LONG SIDE PERPENDICULAR TO FRAMING. STAGGER PANEL ENDS.

PROVIDE FULL DEPTH BLOCKING AT ENDS AND INTERIOR SUPPORTS OF ALL JOISTS AND RAFTERS WHERE JOISTS AND RAFTERS FRAME OVER SUPPORTS. PROVIDE 1x3 DIAGONAL BRIDGING OR FULL DEPTH SOLID BLOCKING FOR EACH 8'-0" OF SPAN FOR ALL JOISTS AND RAFTERS.

WHERE BEAMS ARE LABELED ON PLAN, DO NOT SPLICE BEAM NOR ANY PLY OF BEAM BETWEEN SUPPORTS.

FASTENERS SHALL COMPLY WITH RECOMMENDED FASTENING SCHEDULE OF REFERENCED BUILDING CODE, U.N.O. ON DRAWINGS, SPIKE TOGETHER ALL FRAMING MEMBERS WHICH ARE BUILT-UP USING A MINIMUM OF 2-ROWS OF 16d NAILS AT 12" O.C. STAGGERED, UNLESS OTHERWISE NOTED IN BOCA OR ON THE DRAWINGS. NAIL MULTIPLE LVL'S TOGETHER AS RECOMMENDED BY THE MANUFACTURER USING A MINIMUM OF 2-ROWS OF 16d NAILS AT 12" o.c. STAGGERED. ALL FASTENERS, NUTS, AND WASHERS SHALL BE HOT-DIPPED GALVANIZED.

ALIGN COLUMNS SUCH THAT COLUMNS BEAR CONTINUOUSLY TO FOUNDATION SUPPORT.

PROVIDE HORIZONTAL BLOCKING FOR ALL LOAD BEARING WALLS AT 4'-0" O.C. VERTICAL, MAXIMUM.

SUBMIT SHOP DRAWINGS FOR ALL PREFABRICATED WOOD JOISTS AND WALL PANELS TO ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION.

WOOD NOTES

STEEL JOIST NOTES

SCALE: NTS

LEGEND

BUILDING MAX MAXIMUM BEAM MECH MECHANICAL BOTTOM MFR MANUFACTURER **BEARING** MINIMUM BETWEEN MISC **MISCELLANEOUS** STRUCTURAL STEEL CHANNEL NEAR FACE CANT CANTILEVER CAST-IN-PLACE CONCRETE NUMBER NEAR SIDE CONTROL JOINT NOT TO SCALE CENTERLINE CLEAR ON CENTER CONCRETE MASONRY UNIT OUTSIDE FACE CONSTRUCTION JOINT OPNG OPENING COL COLUMN OPP OPPOSITE CONC CONCRETE CONN CONNECTION PIER DESIGNATION CONT CONTINUOUS PLATE CONTR CONTRACTOR PARTIAL PENETRATION WELD COMPLETE PENETRATION WELD CP PREFAB PREFABRICATED CUBIC YARD PSF POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH PSI DIA DIAMETER DIMENSION **REINF** REINFORCING STEEL DISCONT DISCONTINUOUS REQ, REQD REQUIRED DWG DRAWING ROOF DRAIN EXISTING SLIP CRITICAL **SECT** SECTION EACH FACE SHEATH SHEATHING EL, ELEV ELEVATION SIMILAR EQUAL SOG SLAB-ON-GRADE EQUIP EQUIPMENT SPAC SPACING EACH SIDE SPECS **SPECIFICATIONS** EACH WAY STAINLESS STEEL EXPANSION STD STANDARD EXTERIOR STIFF STIFFENER STL STEEL FOOTING DESIGNATION STR STRAIGHT FDN FOUNDATION STRUCT STRUCTURAL FINISH FLOOR FI G FLANGE FLR FLOOR T&B TOP AND BOTTOM F00T TOC, T/CONC TOP OF CONCRETE FOOTING FTG F۷ FIELD VERIFY T/FTG, TOF TOP OF FOOTING TEMPERATURE T/SHELF TOP OF SHELF GALV GALVANIZED T/SLAB TOP OF SLAB TOP OF STEEL HOR, HORE HORIZONTAL T/WALL TOP OF WALL HSS HOLLOW STRUCTURAL SHAPE STRUCTURAL TUBING HEIGHT TYPICAL INSIDE FACE UNO UNLESS NOTED OTHERWISE INFORMATION VER. VERT VERTICAL VERIFY IN FIELD STRUCTURAL STEEL WIDE FLANGE KIP (1 KIP = 1,000 LBS)WITH KSI KIPS PER SQUARE INCH WITHOUT WORK POINT WFIGHT WELDED WIRE FABRIC

ANGLE

POUND

LLV

DOUBLE ANGLE

LINEAR FOOT

LONG LEG HORIZONTAL

LONG LEG VERTICAL

ANCHOR BOLT

BOTTOM OF FOOTING

ADDITIONAL

ARCHITECT

ADDL

ARCH

ABBREVIATIONS SCALE: NTS SLOPE DESIGNATION SLOPE _ UNDISTURBED EARTH ELEVATION MARK LEDGE ROOF PITCH COMPACTED STRUCTURAL FILL SPAN DIRECTION CONCRETE SECTION MARK GROUT SECTION No. —— DWG. WHERE SHOWN-BRICK CMU

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SHEET TITLE: STRUCTURAL

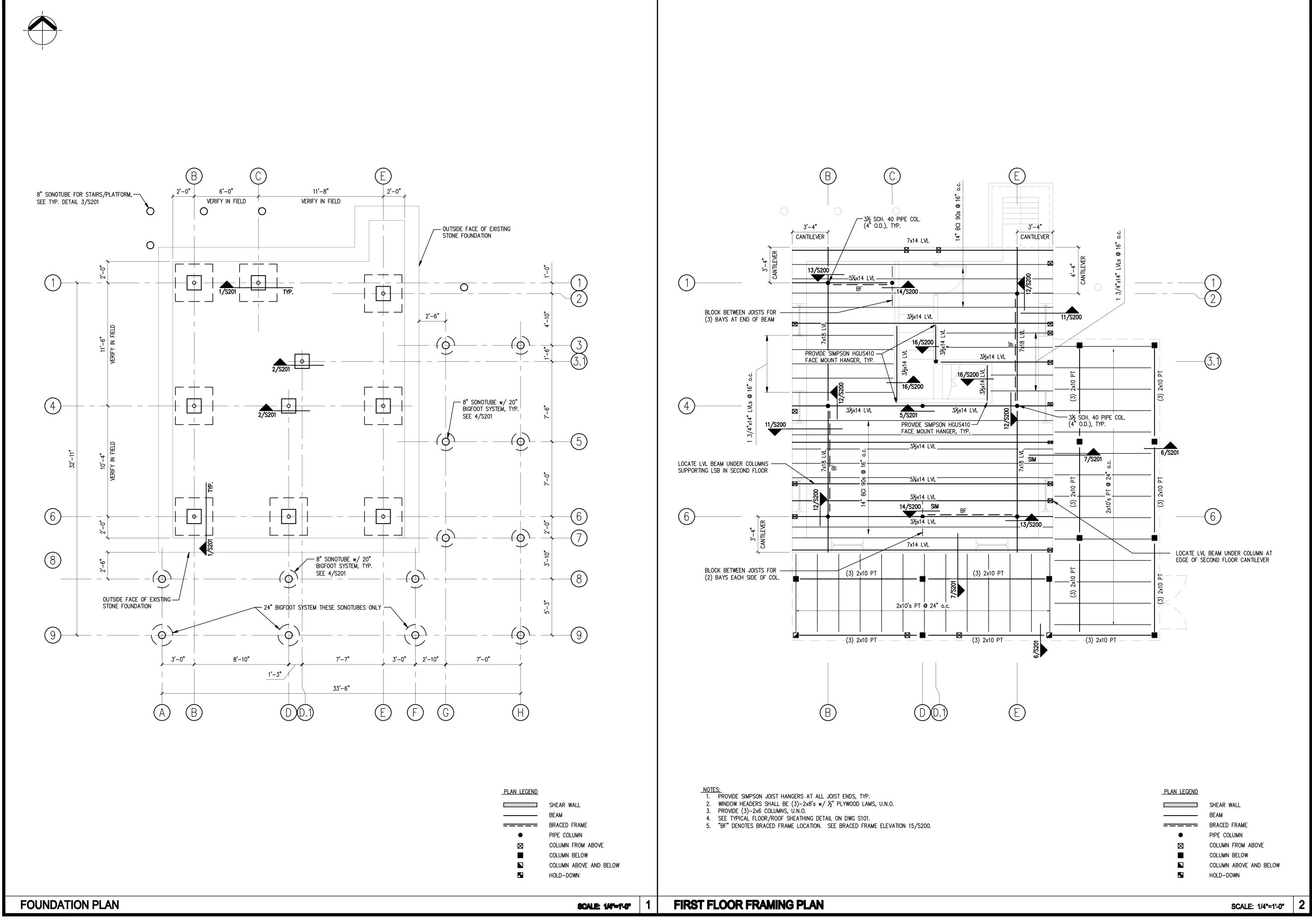
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NOTES

DESIGNED: PROJECT NUMBER: 11-053

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SCALE: NTS



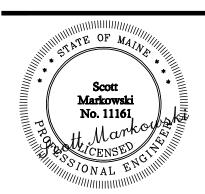
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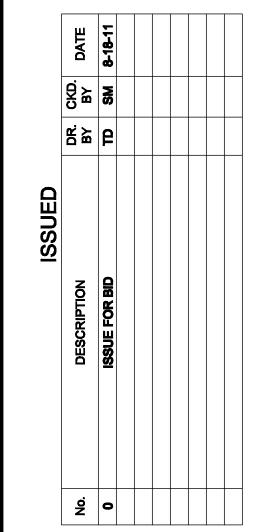
CLIENT:

SUSAN BERRY 3222 DESOTO STREET NEW ORLEANS, LA 70119



STREET UPPER,

160 PEAKS



SHEET TITLE: **FOUNDATION &** FIRST FLOOR FRAMING PLAN

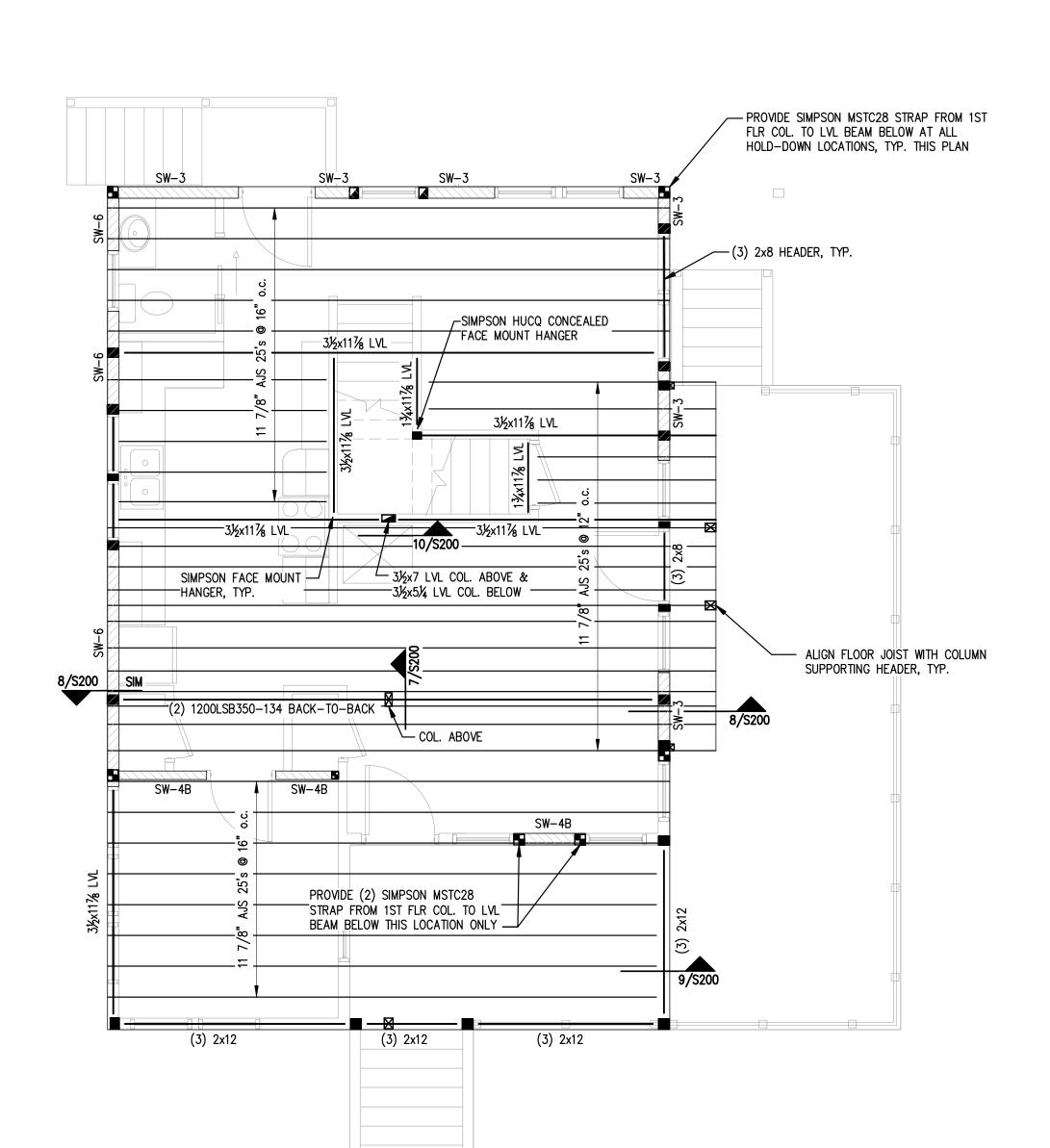
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DATE:	8-2-11
PROJECT NUMBER:	11-053

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	SHEAR WALL SCHEDULE BETWEEN FLOOR/ROOF DIAPHRAGMS				
GRID	SHEATHING REQUIREMENTS	NAILING AT PANEL EDGES	REMARKS		
SW-3	ONE SIDE	3" o.c.			
SW-4B	BOTH SIDES	4" o.c.			
SW-6	ONE SIDE	6" o.c.			

NOTES FOR SHEAR WALL SCHEDULES:

- 1. PLYWOOD SHEATHING SHALL BE ½" APA RATED SHEATHING.
 2. DO NOT COUNTERSINK NAILS INTO PLYWOOD SHEATHING.
- 3. BLOCK ALL PANEL EDGES
- 4. SPACE NAILS 12" o.c. AT INTERMEDIATE SUPPORTS. 5. SHEAR WALLS SHALL EXTEND UP TO DIAPHRAGM ABOVE.



NOTES: 1. PROVIDE SIMPSON JOIST HANGERS AT ALL JOIST ENDS, TYP. 1. PROVIDE SIMPSON JOIST HANGERS AT ALL JOIST ENDS, TYP. 2. WINDOW HEADERS SHALL BE (3)-2x8's w/ ½" PLYWOOD LAMS, U.N.O. 3. PROVIDE (3)-2x6's AT ALL COLUMNS CORNERS AND HOLD-DOWN LOCATIONS, U.N.O. 4. SW-"X" DENOTES SHEAR WALL BETWEEN 2ND AND FIRST FLOOR DIAPHRAGMS, SEE SHEAR WALL SCHEDULE THIS DWG FOR NAILING REQUIREMENTS AND ADD'L INFO. 5. SEE TYPICAL FLOOR/ROOF SHEATHING DETAIL THIS DWG.

BRACED FRAME PIPE COLUMN COLUMN FROM ABOVE COLUMN BELOW COLUMN ABOVE AND BELOW

HOLD-DOWN

PLAN LEGEND

NOTES:

1. PROVIDE SIMPSON JOIST HANGERS AT ALL JOIST ENDS, TYP.

2.48's w / ½" PI YWOOD LAM' WINDOW HEADERS SHALL BE (3)-2x8's w/ $\frac{1}{2}$ " PLYWOOD LAMS, U.N.O. 3. PROVIDE (3)-2x6's AT ALL COLUMNS AND CORNERS, U.N.O. 4. SW-"X" DENOTES SHEAR WALL BETWEEN ROOF AND SECOND FLOOR DIAPHRAGM, 5. SEE TYPICAL FLOOR/ROOF SHEATHING DETAIL THIS DWG.

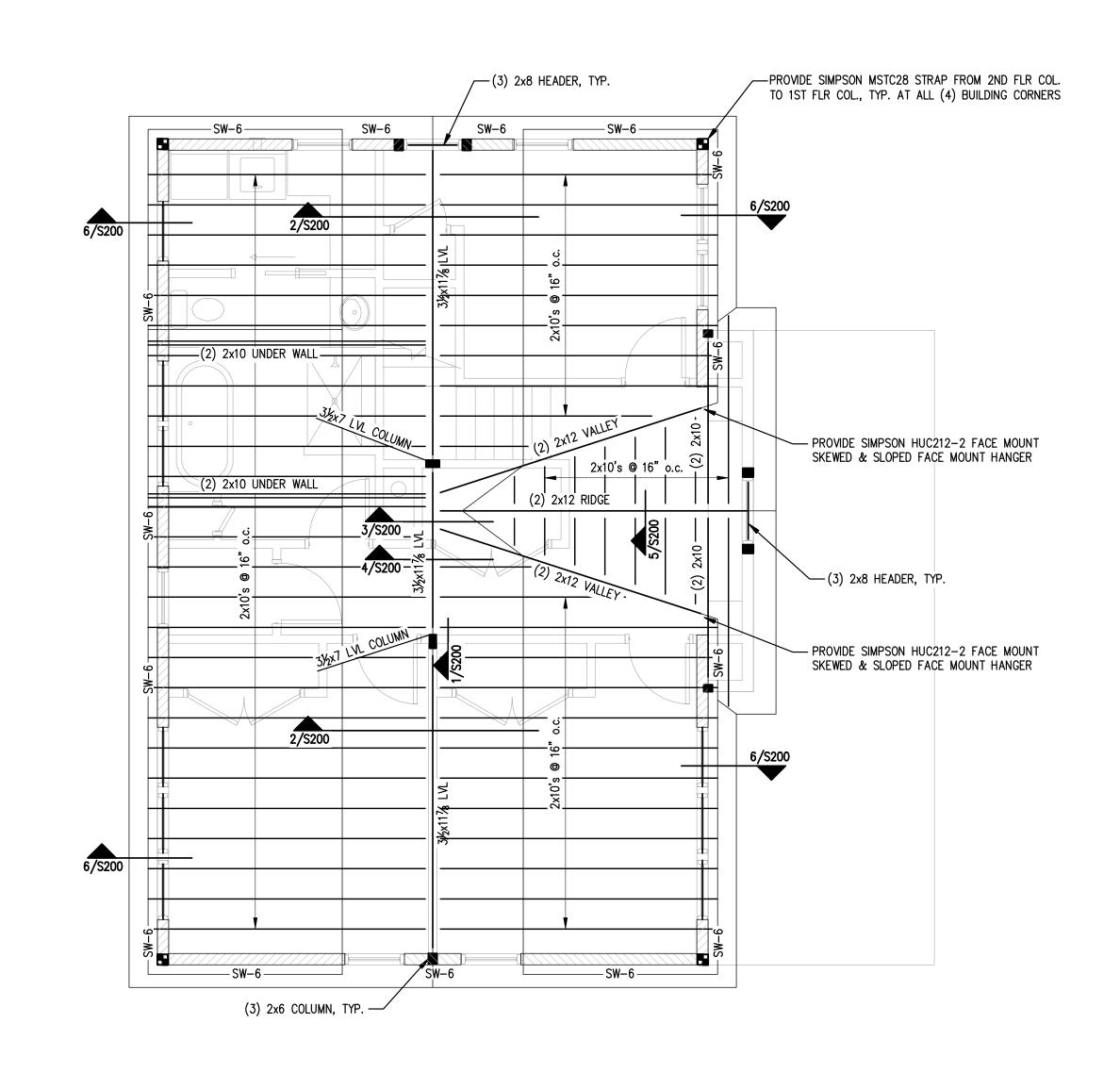
SEE SHEAR WALL SCHEDULE THIS DWG FOR NAILING REQUIREMENTS AND ADD'L INFO.

CONTINUOUS PANEL JOINT — - BLOCKING, IF USED

NOTES FOR TYPICAL FLOOR/ROOF SHEATHING DETAIL: 1. SEE SOOO FOR WOOD NOTES FOR SHEATHING REQUIREMENTS. 2. USE APA RATED %-INCH CDX PLYWOOD SHEATHING ON ROOF. USE APA RATED 3/4-INCH PLYWOOD SHEATHING ON FLOOR.

- 3. ATTACH ROOF AND FLOOR DIAPHRAGMS W/8d NAILS SPACED 12" o.c. ALONG INTERMEDIATE FRAMING MEMBERS AND 6" o.c. AT SUPPORTED EDGES.
- 4. FLOOR AND ROOF DIAPHRAGMS ARE UNBLOCKED, EXCEPT AS NOTED ON ROOF FRAMING PLAN. 5. USE SHEATHING CLIPS BETWEEN SHEETS ON ROOF WHERE BLOCKING IS NOT REQUIRED.

TYPICAL FLOOR/ROOF SHEATHING DETAIL



PLAN LEGEND BRACED FRAME PIPE COLUMN COLUMN FROM ABOVE COLUMN BELOW

COLUMN ABOVE AND BELOW

HOLD-DOWN

SCALE: 1/4"=1'-0" 2

S101

ROOF FRAMING PLAN

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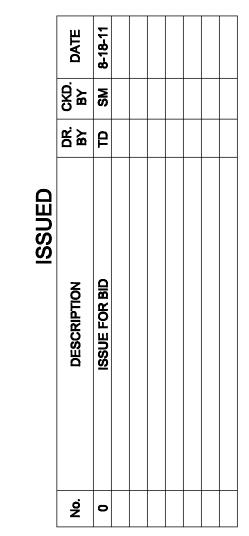
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160 PEAKS



SHEET TITLE: SECOND FLOOR & ROOF FRAMING PLAN

DESIGNED:	TD
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DATE:	8-2-11
PROJECT NUMBER:	11-053

SECOND FLOOR FRAMING PLAN

SCALE: 147-1'-0"

