SOLAR ENERGY HOUSE

RIDDLE - URSACHE RESIDENCE

16 EUCLID AVE., MAYNARD MA

SCHEDULE OF DRAWINGS

COVER SHEET AND NOTES

SITE PLAN

FIRST FLOOR PLAN

ROOF PLAN - DOOR TYPES AND SCHEDULE

FOUNDATION PLAN - WINDOW TYPES AND SCHEDULE

A-3

SHALLOW FOUNDATION DETAIL

TRUSS SECTIONS AND EAVE DETAIL

NORTH AND SOUTH ELEVATIONS ムーコ

EAST AND WEST ELEVATIONS

GENERAL NOTES TO CONTRACTOR

- I. CONTRACTOR TO VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD AND SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
- 2. UNDER NO CIRCUMSTANCES SHALL CONTRACTOR DETERMINE DIMENSIONS BY SCALING THE DRAWINGS.
- 3. CONTRACTOR SHALL REVIEW PRODUCTS SPECIFIED IN THESE DRAWINGS WITH ARCHITECT PRIOR TO THEIR PURCHASE.
- 4. CONTRACTOR TO COORDINATE THE WORK OF ALL SUBCONTRACTORS AND SHALL IDENTIFY AND RESOLVE WITH THEM ANY POTENTIAL CONFLICTS IN FIXTURE/OUTLET/PIPING LOCATIONS PRIOR TO INSTALLATION.
- 5. ALL CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE BUILDING CODES AND STANDARDS. CONTRACTOR IS RESPONSIBLE FOR KNOWING THESE CODES AND SHALL INFORM ARCHITECT IMMEDIATELY IF HE FINDS ANY POTENTIAL CODE VIOLATIONS. IN THIS INSTANCE, WORK SHALL NOT PROCEED UNTIL THE ISSUE HAS BEEN RESOLVED.
- 6. CONTRACTOR AND ALL SUBCONTRACTORS SHALL SHOW EYIDENCE OF APPROPRIATE LIABILITY AND WORKMAN'S COMPENSATION INSURANCE AT THE OUTSET OF CONSTRUCTION AND SHALL MAINTAIN THESE POLICIES FOR THE DURATION OF CONSTRUCTION. CONTRACTOR SHALL ALSO SHOW EYIDENCE OF APPLICABLE LOCAL AND STATE LICENSING REQUIREMENTS.
- CONTRACTOR TO PROVIDE LOCKS AS REQUIRED TO PROVIDE SECURITY TO THE BUILDINGS WHEN REQUIRED DURING CONSTRUCTION.
- 8. CONTRACTOR SHALL LEAVE THE JOB SITE AS NEAT AND ORDERLY AS POSSIBLE AT THE END OF EACH DAY OF CONSTRUCTION. 9. ALL CLOSETS IN UNITS TO BE $2^\prime - 0^{\prime\prime}$ CLEAR DEPTH UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- IO. ALL DIMENSIONS ARE TO FACE OF STUD OR FACE OF CONCRETE UNLESS OTHERWISE NOTED.

SPECIFICATION OUTLINE

THE FOLLOWING COMMENTS ARE INTENDED TO DIRECT THE CONTRACTOR'S ATTENTION TO CERTAIN CONSTRUCTION DETAILS AND DO NOT REPRESENT A COMPLETE LIST OF SPECIFICATIONS. IT IS ASSUMED THAT IN ALL CASES THE CONTRACTOR WILL ADHERE TO ACCEPTED CONSTRUCTION STANDARDS AND PRACTICES AND WILL INSTALL ALL ELEMENTS IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND WITH STANDARD INDUSTRY PRACTICES.

. ALL CONCRETE WORK SHALL CONFORM TO THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE.

2. ALL CONCRETE WALLS AND FOOTINGS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000PSI AT 21 DAYS, WITH AA 4%-4% AIR ENTRAINMENT.

3. NO CONCRETE SHALL BE CASYT IN WATER OR ON FROZEN GROUND.

4. ALL REINFORCEMENT SHALL BE CONTINUOUS AND SHALL CONFORM TO THE FOLLOWING: ASTM 415 GRADE 40 FOR DEFORMED BASS (FY = 40000PS); WELDED WIRE FABRIC (WWF) REINFORCEMENT, ASTM A182 WITH MINIMUM 8" LAP TYPICAL.

ROUGH CARPENTRY

I. ALL STRUCTURAL LUMBER SHALL CONFORM TO THE NFPA "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" AND SUPPLEMENT "DESIGN VALUES FOR WOOD CONSTRUCTION" LATEST EDITION. MAXIMUM MOISTURE CONTENT SHALL BE 19%. 2. ALL WOOD FRAMING AND BLOCKING SHALL BE SPRUCE PINE FIR (SPF) NO. 2 OR BETTER. 3. ALL FOUNDATION SILLS SHALL BE PRESERVATIVE PRESSURE TREATED SOUTHERN PINE NO. 2 OR BETTER.

4. ALL WOOD FRAMING EXPOSED TO WEATHER SHALL BE PRESERVATIVE PRESSURE TREATED SOUTHERN PINE OR BETTER.

- 5. ALL LAMINATED VENEER LUMBER (LYL) SHALL BE MICROLAM, PARALLAM OR BETTER.
- 6. ALL ENGINEERED LUMBER JOISTS SHALL BE TRUSS JOIST MACMILLAN OR EQUAL. T. ALL FLUSH FRAMING CONNECTIONS SHALL HAVE BEAM OR JOIST HANGERS, USE GALVANIZED AT EXTERIOR.

8. ROOF SHEATHING SHALL BE 5/8" EXTERIOR APA PLYWOOD FASTENED TO TRUSSES WITH IOD RING SHANK NAILS 96" O.C. AT EDGES AND 12" O.C. AT INTERIOR SUPPORTS.

- 9. EXTERIOR WALL SHEATHING TO BE 1/2" APA PLYWOOD FASTENED TO FRAMING WITH 8D RING SHANK NAILS * 4" O.C. AT EDGES AND 12" O.C. AT INTERIOR SUPPORTS. IO. FLOOR SHEATHING SHALL BE 3/4" EXTERNAL APA PLYWOOD TONGUE AND GROOVE GLUED AND NAILED WITH IOD RING SHANK NAILS & 4" O.C. AT EDGES AND 12" O.C. AT INTERIOR
- II. ALL PLYWOOD SHEATHING TO HAVE STAGGERED JOINTS. 12. PROVIDE AND INSTALL SOLID 2X BLOCKING AT ALL LOCATIONS REQUIRING SUPPORT FOR FIXTURES, EQUIPMENT, SOFFITS, DRYWALL, INTERIOR CORNERS AND SIMILAR LOCATIONS WHETHER INDICATED OR NOT.

13. CONTRACTOR SHALL EVALUATE ALL THE DRAWINGS TO DETERMINE A FULL SCOPE OF WORK FOR BLOCKING REQUIREMENTS REQUIRED FOR A COMPLETE JOB. I4. CONTRACT PRICE SHALL INCLUDE ALL BLOCKING, WHETHER INDICATED OR IMPLIED AT NO ADDITIONAL COST TO THE OWNER.

15. ALL DIMENSIONS ARE TO ROUGH FRAMING TYPICAL OR TO FACE OF CONCRETE UNLESS OTHERWISE NOTED.

THERMAL AND MOISTURE PROTECTION

- I. PROVIDE CAULKING AT ALL OUTLETS AND AT JOINT BETWEEN WALL BOARD AND FLOOR, PRIOR TO INSTALLATION OF BASEBOARD.
- 2. CONTRACTOR SHALL USE AN ASPHALT SHINGLE ROOFING THAT CARRIES A 30 YEAR MANUFACTURER'S WARRANTY. INSTALL OVER 15# ROOFING PAPER HALF LAPPED. SHINGLE COLOR TO BE SUBJECT TO ARCHITECT'S APPROVAL PRIOR TO INSTALLATION.

EXTERIOR SIDING & TRIM:

- EXTERIOR SIDING TO BE 8" CEDAR VERTICAL BARN BOARD AS NOTED WALL TYPES. PROVIDE SOLID WOOD BLOCKING AT 14" O.C. VERTICAL
- EXTERIOR TRIM SHALL BE #2 PINE, PREPRIMED.

2. EXTERIOR TRIM SHALL BE SECURED WITH HOT DIPPED GALVANIZED RING SHANK NAILS. NAILS SHALL PENETRATE SHEATHING AND FRAMING BY AT LEAST 1.5". ALL NAIL/SCREW HEADS SHALL BE COUNTERSUNK AND COVERED WITH WOOD FILLER APPLIED WITH PUTTY KNIFE (NOT WITH THUMB AND FINGERS), SANDED FOR A PAINTED FINISH.

INTERIOR TRIM:

I. ALL LUMBER TO BE USED FOR DOORS, STAIR TRIM, FLOORING AND INTERIOR TRIM SHALL HAVE A MOISTURE CONTENT OF NOT MORE THAN 8% WHEN DELIVERED TO THE SITE AND SHALL BE STORED INSIDE THE HOUSE FOR AT LEAST 5 DAYS PRIOR TO INSTALLATION.

2. ALL INTERIOR WOOD TRIM SHALL BE PREPRIMED POPLAR

WALL & CEILING FINISHES:

I. ALL WALLS AND CEILINGS SHALL BE FINISHED WITH I/2" BLUEBOARD & SKIM COAT EXCEPT WHERE NOTED OTHERWISE, BLUEBOARD SHEETS TO BE SCREWED TO FRAMING MEMBERS, CONTRACTOR SHALL NOT FASTEN GWB TO WINDOW OR DOOR HEADERS.

2. CONTRACTOR SHALL PROVIDE AND INSTALL "DURAROCK" (OR EQUAL) BACKING BEHIND ALL TILED WALL SURFACES.

EXTERIOR PAINTING:

- I. EXTERIOR TRIM SHALL BE PRE-PRIMED PRIOR TO INSTALLATION.
- 2. ALL NAILS SHALL BE COUNTERSUNK AND ALL NAIL HOLES AND OTHER HOLES IN THE TRIM AND SIDING SHALL BE COVERED WITH WOOD FILLER APPLIED WITH A PUTTY KNIFE (NOT THUMB AND FINGERS) AND SANDED PRIOR TO PAINTING.
- 3. ALL KNOTS AND OTHER AREAS THAT APPEAR PRONE TO "BLEEDING" SHALL BE COVERED WITH A THINNED SHELLAC SEALANT PRIOR TO PAINTING.
- 4. TRIM SHALL BE PAINTED, COLOR AS SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD COLORS. PROVIDE TWO COATS OF FINISH PAINT. MANUFACTURER TO BE BENJAMIN MOORE EXTERIOR LATEX.

INTERIOR PAINTING:

- ALL NAILS SHALL BE COUNTERSUNK AND ALL NAIL HOLES AND OTHER MARKS WOOD TRIM SHALL BE FILLED WITH WOOD FILLER APPLIED WITH A TTY KNIFE (NOT THUMB AND FINGERS) AND SANDED PRIOR TO PAINTING.
- 2. ALL JOINTS BETWEEN TRIM AND WALL/CEILING SURFACES SHALL BE CAULKED PRIOR TO PAINTING.
- 3. CONTRACTOR SHALL PROVIDE AND APPLY PRIMER PLUS MIN. 2 FINISH COATS, AS REQUIRED TO COVER. USE BENJAMIN MOORE ACRYLIC INTERIOR PAINT FOR ALL INTERIOR SURFACES.
- 4. PROVIDE SEMI-GLOSS ALKYD PAINT FINISH AT ALL INTERIOR WOODWORK, COLOR AS SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD COLORS. ALSO $^{\circ}$ ALL BATHROOM WALLS AND CEILINGS.
- 5. PROVIDE EGGSHELL PAINT FINISH AT ALL SKIM COAT WALL SURFACES, COLOR AS SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD COLORS.
- 4. PROVIDE FLAT PAINT FINISH AT ALL CEILING SURFACES, COLOR AS SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD COLORS

SYMBOLS

COLUMN & BM ALIGMENTS (CL, UNO)



BUILDING SECTION





DRAWING NUMBER

DOOR DESIGNATION



DOOR NUMBER (TYPE-REFER TO SCHEDULE) DETAIL KEY OR PLAN ENLARGEMENT



DETAIL NUMBER

SHEET NUMBER

SHEET NUMBER

DETAIL NUMBER

WINDOW DESIGNATION

ROOM DESIGNATION

INTERIOR WALL



WINDOW NUMBER (TYPE-REFER TO SCHEDULE)

REFER TO WALL TYPE

CEILING HEIGHT INDICATOR

CONSTRUCTION SECTION



8'-O"

DRAWING NUMBER

LIVING ROOM < ROOM NAME

INTERNAL ELEVATION KEY

SHEET NUMBER

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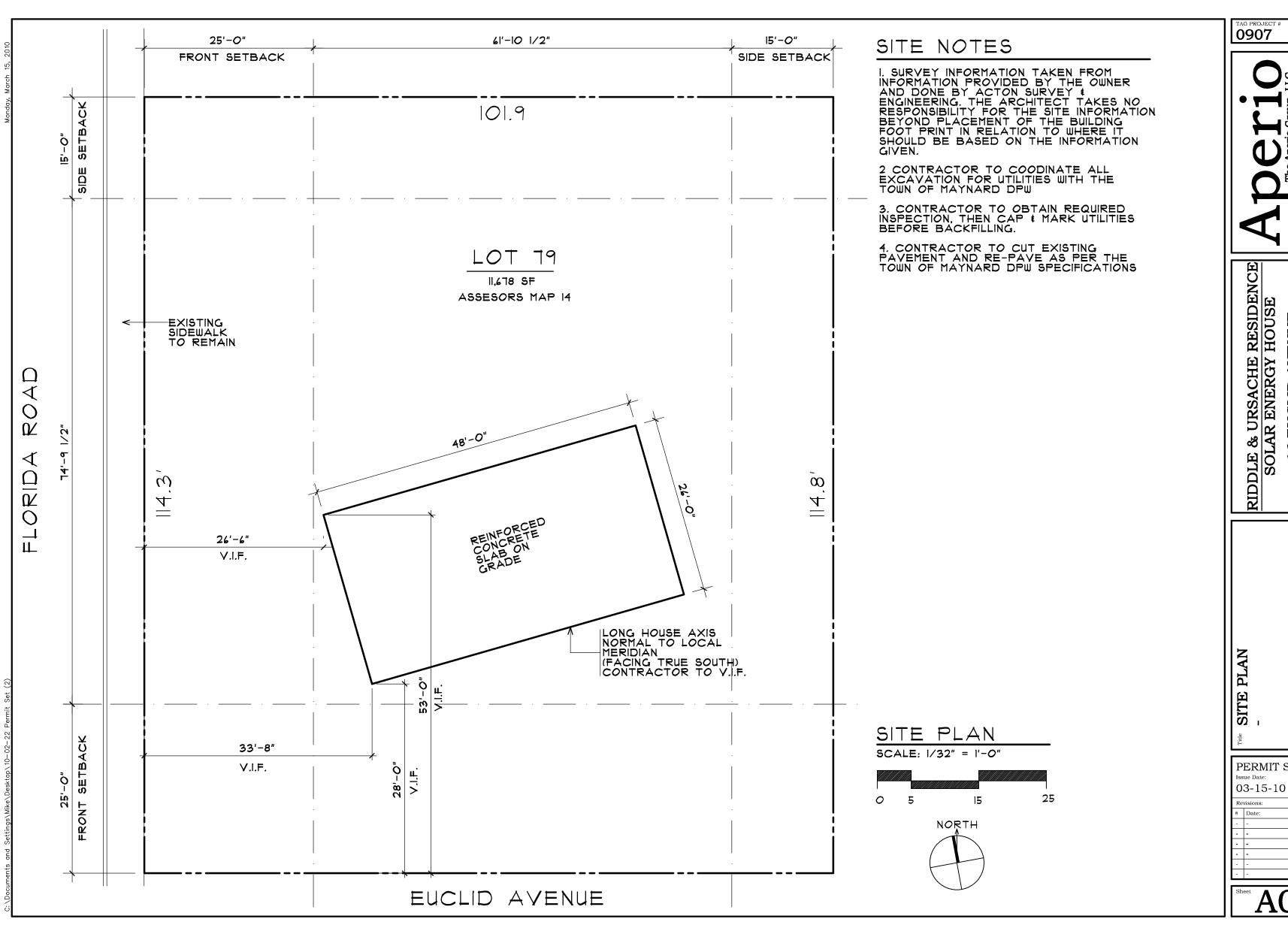
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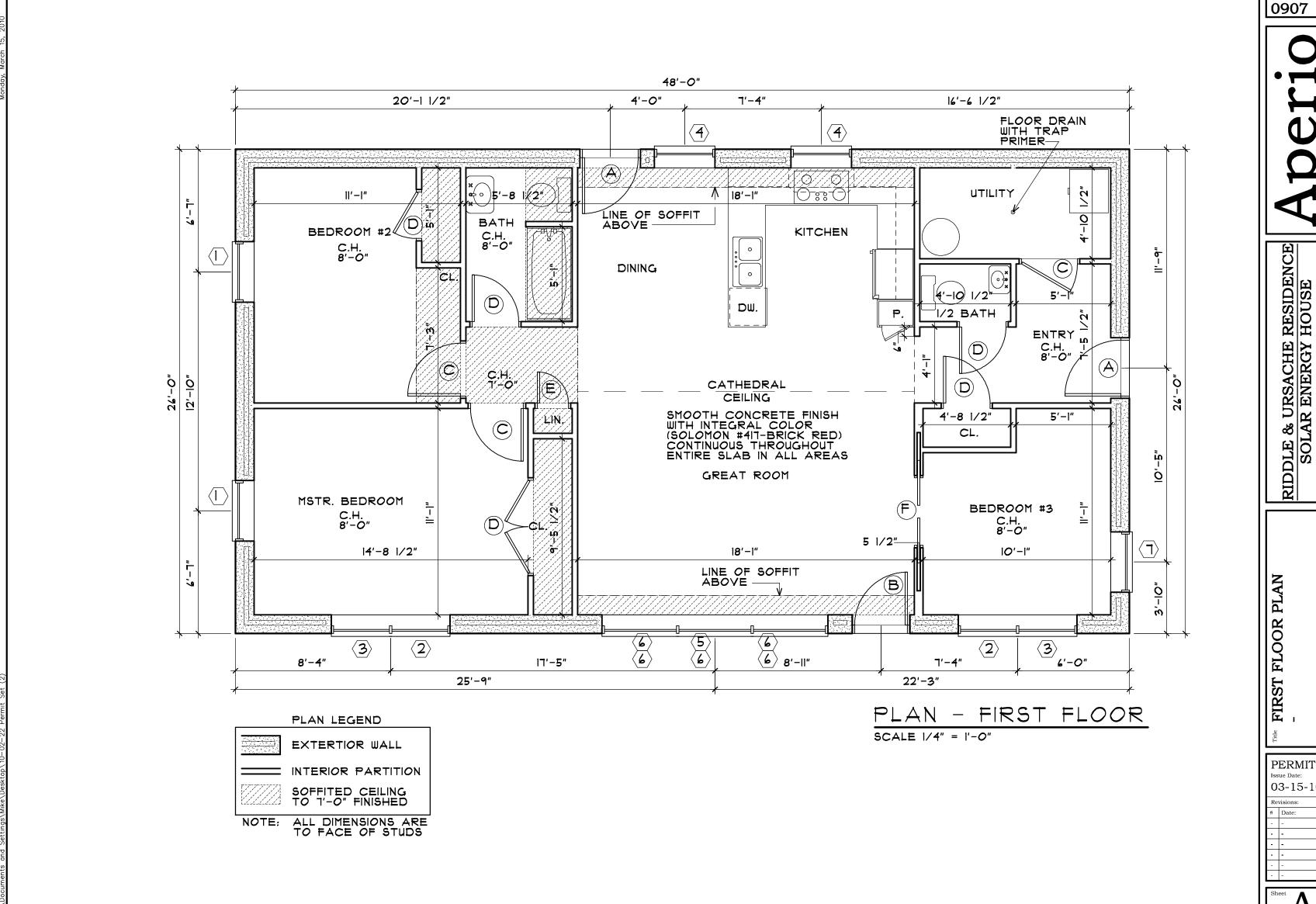
PERMIT SET 03-15-10 # Date:



16 EUCLID AVENUE MAYNARD, MA 01754

AS NOTED

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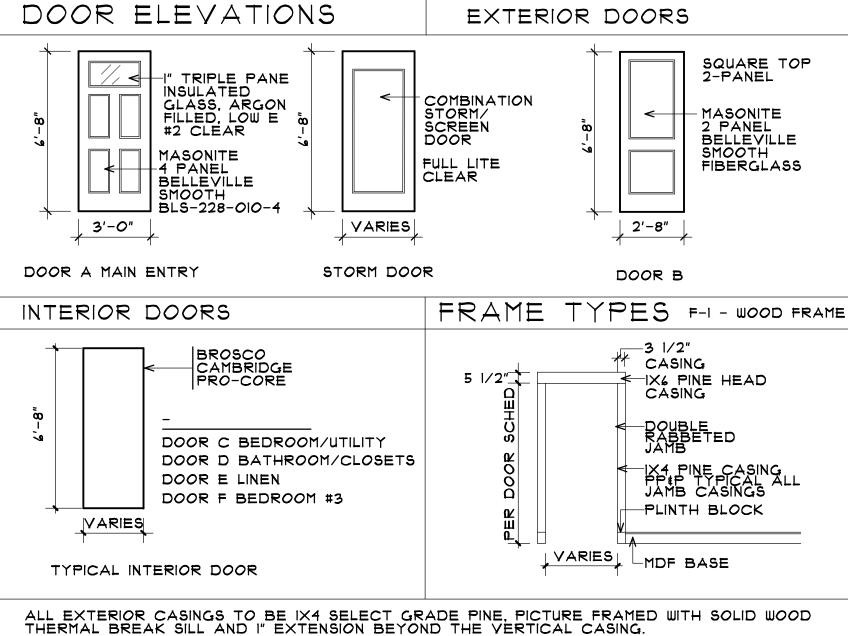


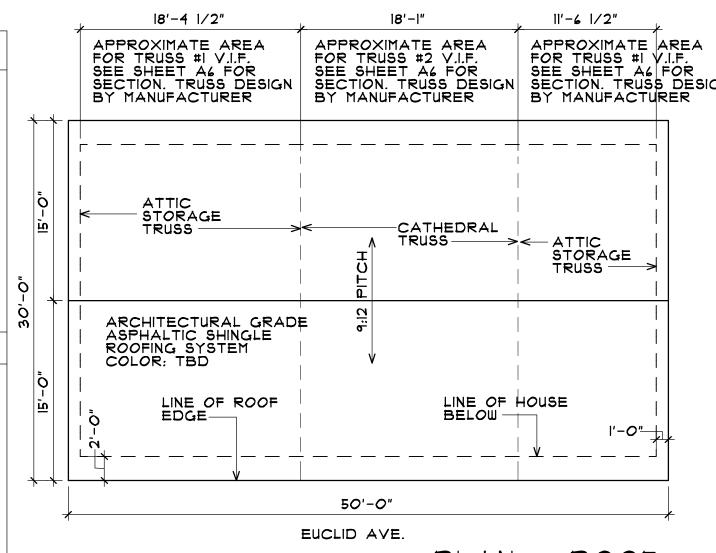
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DOOR SCHEDULE - ALL DOORS AND HARDWARE TO BE APPROVED BY OWNER PRIOR TO ORDERING

DOC	PR - EQUIVALENT MAY	BE SUBSTITUTED WITH APP	TUTED WITH APPROVAL OF OWNER			FRA	YME	THRESHOLD
KEY	TYPICAL LOCATION	(MANUFACTURER) ¢ MANUFACTURER #	NOMINAL SIZE	TYPE	FINISH	KEY	FINISH	
A	ENTRY DOOR	MASONITE FIBERGLASS BLS-228-OIO-4	3'-0"X6'-8"XI 3/4"	SWING	PAINTED	F-1	PAINTED	SOLID OAK/THERMAL
В	SOUTH DOOR	MASONITE FIBERGLASS BELLEVILLE SMOOTH	2'-8"X6'-8"X1 3/4"	SWING	PAINTED	F-I	PAINTED	NONE
С	BEDROOM DOOR	JELD-WEN FLUSH, PRO-CORE, HARDWOOD VENEER, ROTARY CUT BIRCH, 2-PLY	2'-10"X6'-8"X1 3/4"	SWING	STAINED	F-I	PAINTED	NONE
D	CLOSET/BATHROOM		2'-6"X6'-8"X1 3/4"	SWING	STAINED	F-I	PAINTED	NONE
E	LINEN		1'-8"X6'-8"X1 3/4"	SWING	STAINED	F-I	PAINTED	NONE
F	BEDROOM #3		2'-6"X6'-8"X1 3/4"	SLIDE	STAINED	F-I	PAINTED	NONE

GENERAL NOTES:

- CONTRACTOR SHALL MAKE DETERMINATION OF PROPER SWING ORIENTATION WHEN ORDERING FROM SUPPLIER. REFER TO PLANS FOR HAND.
- 2. ALL EXTERIOR DOOR PARTS, INCLUDING FRAME, WHICH ARE NOT CLAD, ARE TO BE PAINTED AND SHALL RECEIVE ONE COAT PRIME, TWO COATS FINISH PAINT. POLY'D DOORS ARE TO RECEIVE 3 COATS. INTERIOR DOORS TO BE STAINED. COLOR TO BE DETERMINED BY OWNER.
- 3. CONTRACTOR TO VERIFY ALL WALL TYPES AT DOOR LOCATIONS AND PROVIDE THE NECESSARY EXTENSION JAMB MATERIAL REQUIRED.
- 4. CONTRACTOR TO SET ROUGH OPENING OF ALL DOORS 3" OFF WALL ON HINGE SIDE UNLESS OTHERWISE NOTED. DBL DOORS CENTERED ON CLOSET.

HARDWARE NOTES:

- I. ALL SWINGING DOORS TO HAVE DOOR STOPS.
- 2. ALL HINGE PINS TO BE REMOVABLE, EXCEPT OUTSWINGING ENTRY DOORS.
- 3. CONTRACTOR TO DETERMINE LOCKSET SETBACK.
- 4. CONTRACTOR TO VERIFY ALL HARDWARE AND LOCKSETS WITH OWNER PRIOR TO ORDERING.
- 5. CONTRACTOR TO PROVIDE FULL HARDWARE SCHEDULE FOR REVIEW PRIOR TO ODERING.

SECTION. TRUSS DESIGN BY MANUFACTURER

PLAN - ROOF

0907

RIDDLE & URSACHE RESIDENCE SOLAR ENERGY HOUSE 16 EUCLID AVENUE MAYNARD, MA 01754

TYPE ROOF PLAN - DOOR DOOR SCHEDULE NOTED AS

PERMIT SET Issue Date: 03-15-10						
Re	Revisions:					
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WINDOW SCHEDULE									
พเา	REMARKS								
KEY	UNIT SIZE W × H	WINDOW SERIES	GLAZING PERFORMANCE	LOCATION	TYPE	INT'R COLOR	EXT'R COLOR		
1	2'-10" X 4'-10"	925	SERIOUSGLASS	BEDROOM	CASEMENT	WHITE	WHITE	KRYPTON GAS FILL	
2	2'-10" X 4'-10"	925	SERIOUSGLASS	BEDROOM	FIXED	WHITE	WHITE	KRYPTON GAS FILL	
3	2'-10" X 4'-10"	925	SERIOUSGLASS	BEDROOM	CASEMENT	WHITE	WHITE	KRYPTON GAS FILL	
4	3'-0" X l'-10"	925	SERIOUSGLASS	KITCHED/DINING	AWNING	WHITE	WHITE	KRYPTON GAS FILL	
5	4'-0" × 3'-0"	925	SERIOUSGLASS	GREAT ROOM	AWNING	WHITE	WHITE	KRYPTON GAS FILL	
6	4'-0" × 3'-0"	925	SERIOUSGLASS	GREAT ROOM	FIXED	WHITE	WHITE	KRYPTON GAS FILL	
-	0. 10. 7. 4. 10.	925	SERIOUSGLASS	DEDDOOM	FIVED	IIILITE	IIILITE	KRYPTON GAS FILL	

FIXED

WINDOW SCHEDULE NOTE:

7 2'-10" X 4'-10"

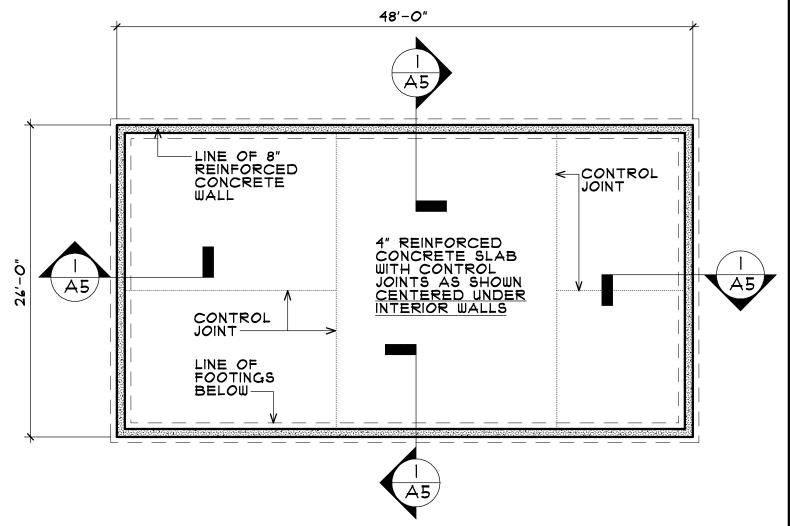
ALL WINDOWS TO BE "SERIOUS WINDOW" MANUFACTURER ALL FIBERGLASS CONSTRUCTION WITH CLEAR GLAZING.

BEDROOM

COLOR TO BE DETERMINED BY ARCHITECT.

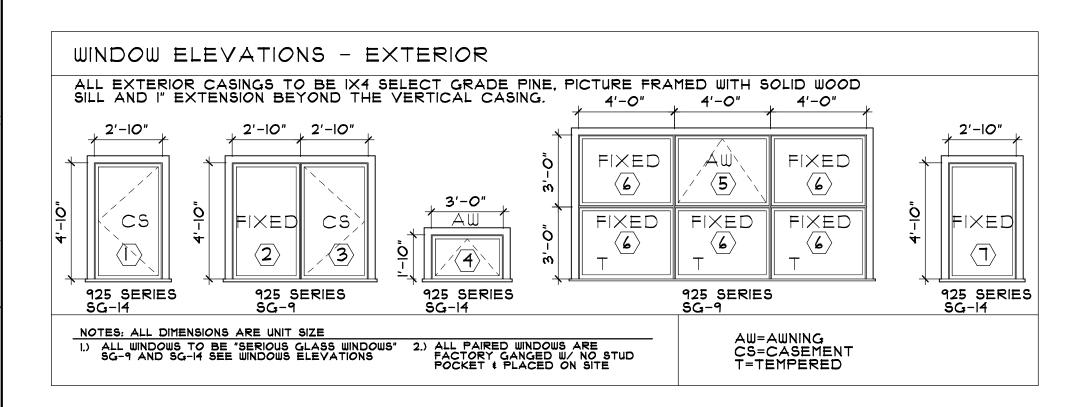
925

- GLAZING TO BE SERIOUS GLASS PACKAGE AS STATED IN SCHEDULE.
- SUPPLY ALL OPERABLE UNITS WITH STANDARD SCREEN, FRAME TO MATCH CLAD COLOR.
- SUPPLY ALL UNITS WITH STANDARD LOCKING AND LIFT HANDLE HARDWARE, COLOR WHITE.
- ALL UNITS SHOWN AS PAIRS ARE FACTORY MULLED WITH NO STUD POCKET, UNLESS NOTED OTHERWISE.
- PROVIDE EXTENSION JAMBS PER SITE CONDITIONS. CONTRACTOR TO VERIFY IN THE FIELD.
- REFER TO WINDOW TYPES FOR TEMPERED WINDOW LOCATIONS MARKED BY A "T".
- CONTRACTOR TO CONFIRM ALL ROUGH OPENINGS AND UNIT SIZES TO ALIGN HEADERS AS SHOWN ON ELEVATIONS.
- 10. CONTRACTOR SHALL MAKE DETERMINATION OF INDICATED SWING ORIENTATION WHEN ORDERING FROM SUPPLIER.



EUCLID AVE

FOUNDATION PLAN



WHITE

KRYPTON GAS FILL

WHITE

0907

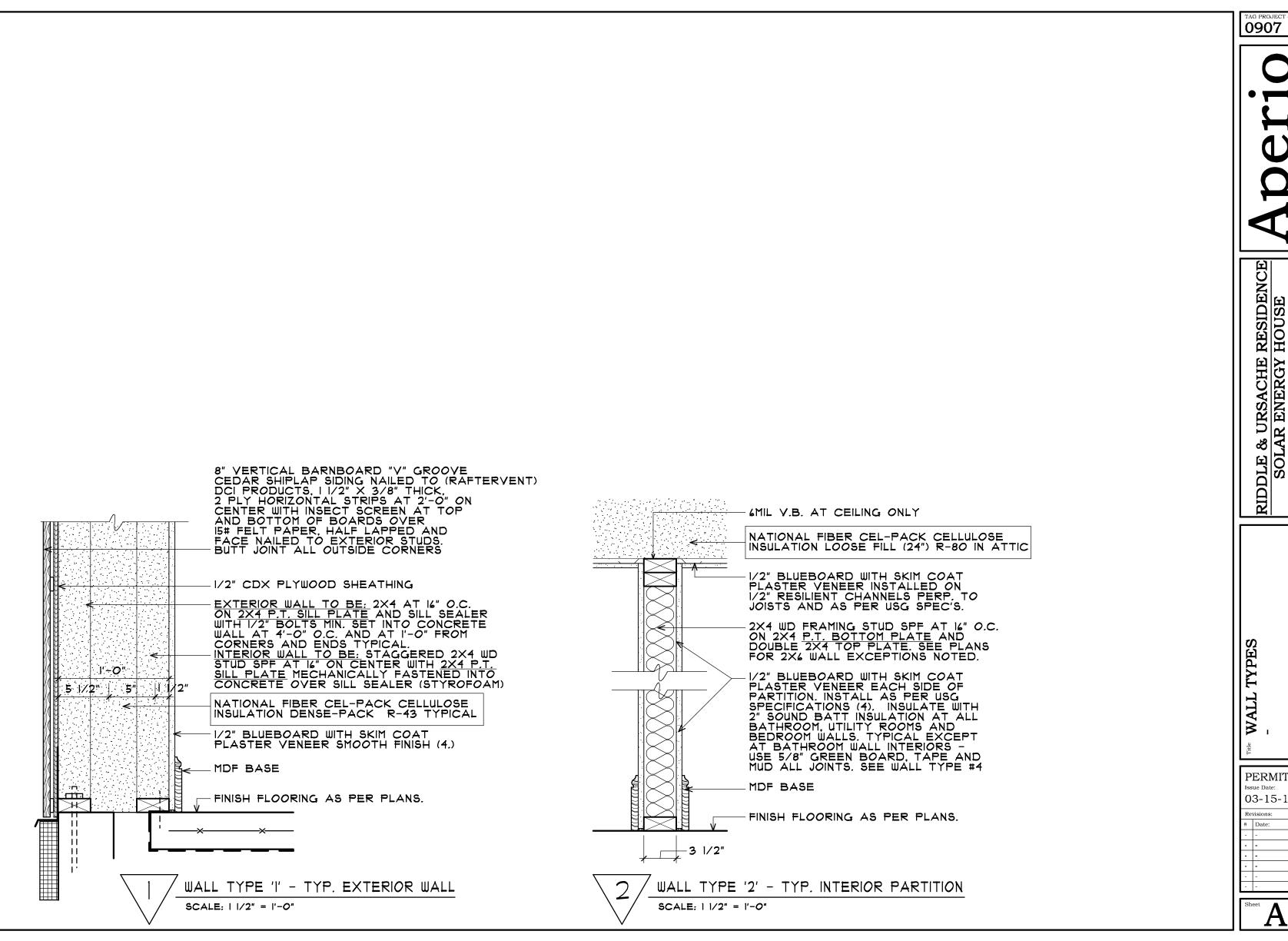
RIDDLE & URSACHE RESIDENCE SOLAR ENERGY HOUSE 16 EUCLID AVENUE MAYNARD, MA 01754

FOUNDATION PLAN -WINDOW SCHEDULE WINDOW TYPES

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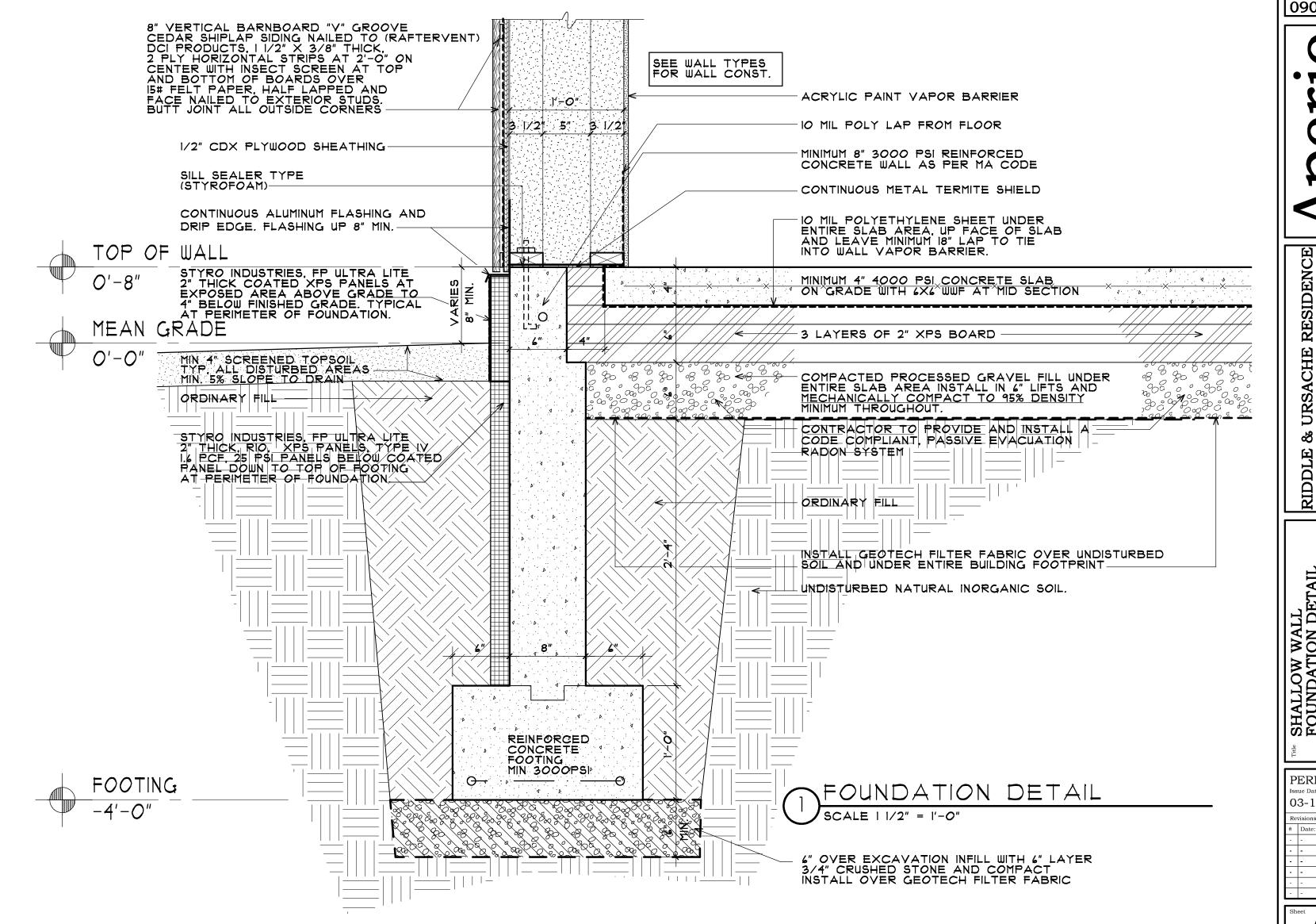
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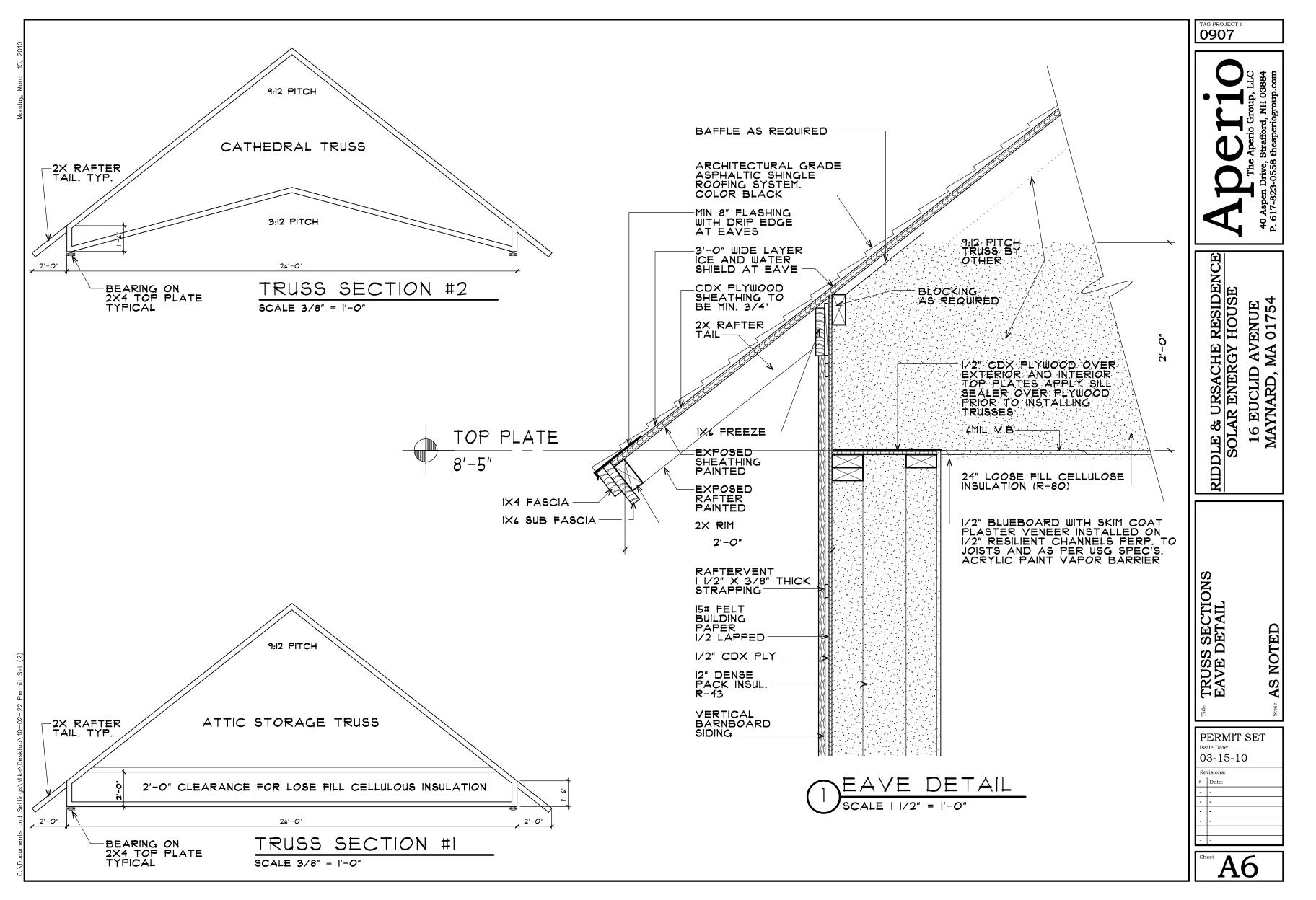
SHALLOW WALL FOUNDATION DETAIL

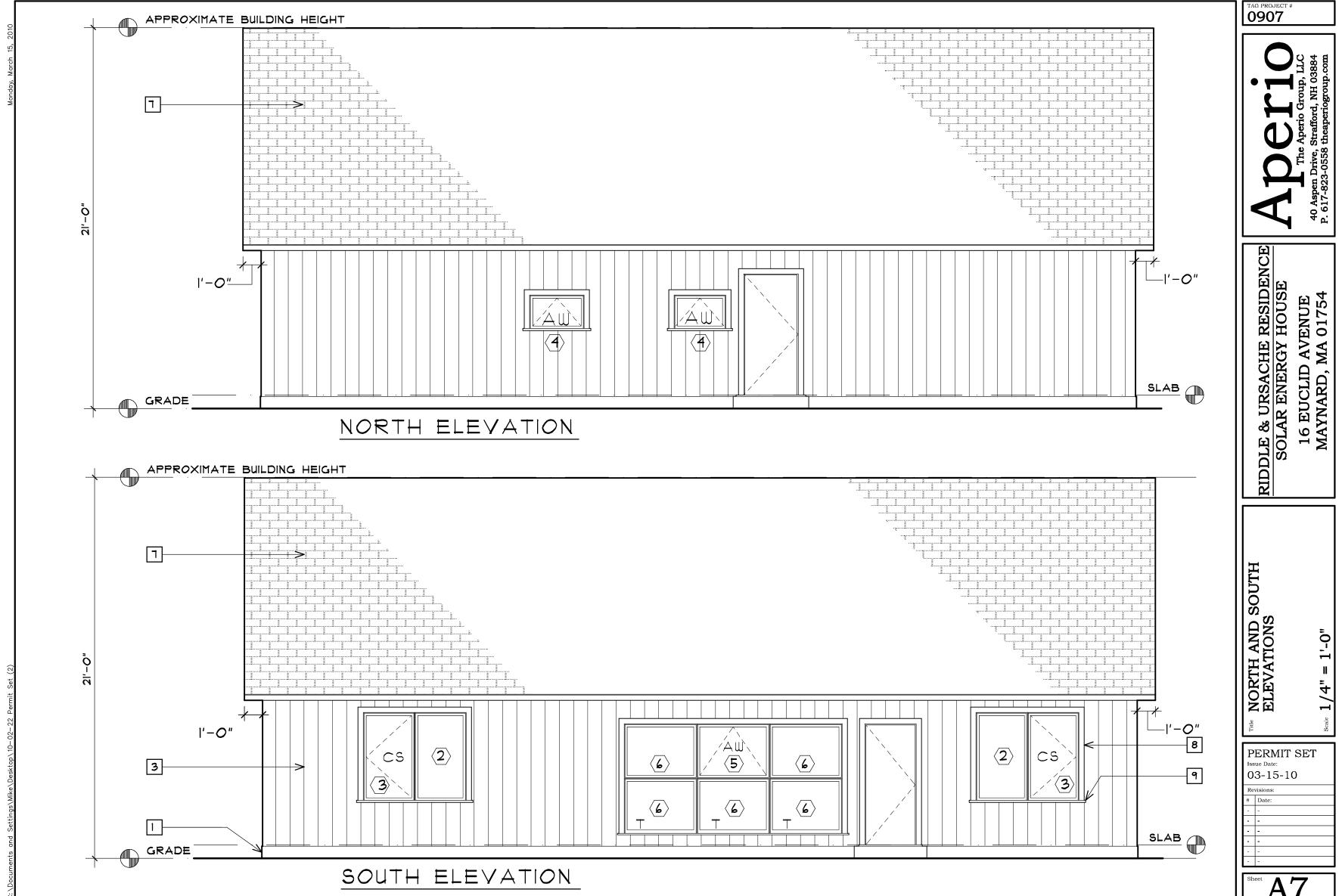
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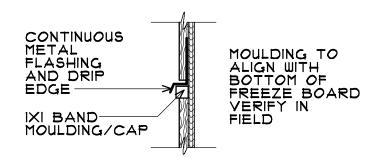
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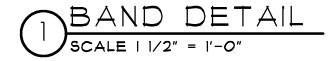




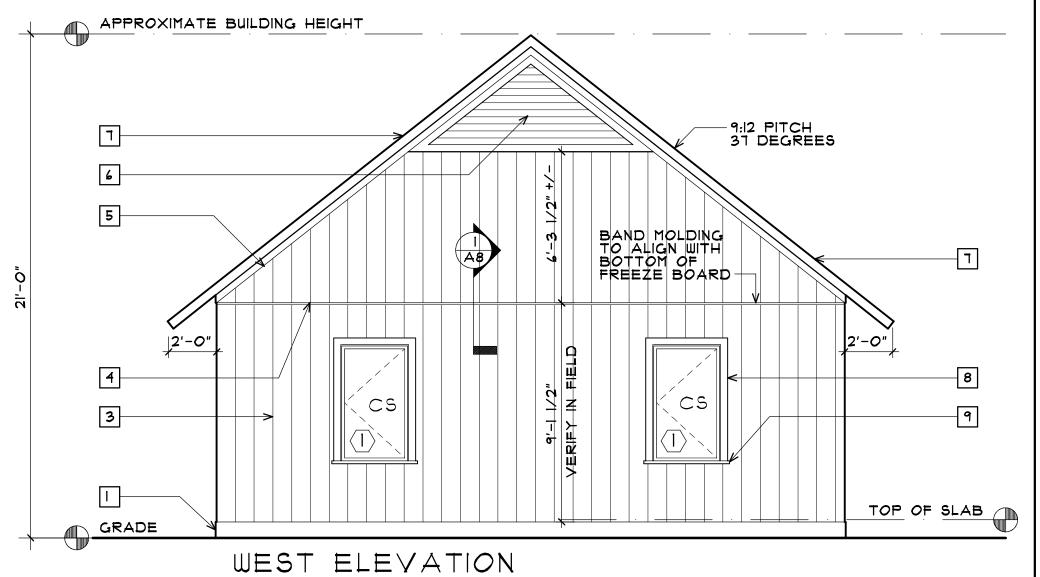
TYPICAL MATERIALS LIST

- PRECOATED 2" RIGID INSL. STRYO INDUSTRY PANELS
- 2 LEFT BLANK
- YERTICAL BARNBOARD SIDING. STAINED
- LINE OF METAL DRIP EDGE SEE DETAIL
- 5 IX4 RAKE, PAINTED
- WOOD LOUVERED GABLE YENT (CUSTOM) WITH INSECT SCREEN
- ARCHITECTURAL GRADE ASPHALTIC SHINGLE ROOFING SYSTEM COLOR TBD
- IX4 WOOD TRIM. PAINTED TYPICAL AT ALL DOORS AND WINDOWS.
- 9 SOLID WOOD SILL









0907

RIDDLE & URSACHE RESIDENCE SOLAR ENERGY HOUSE 16 EUCLID AVENUE MAYNARD, MA 01754

EAST AND WEST ELEVATIONS = 1'-0"1/4"

PERMIT SET 03-15-10

A8