NEW CONSTRUCTION FOR: DYKEMAN ASSOCIATES

NEPTUNE, NEW JERSEY

PROJECT INFORMATION

DESCRIPTION

NEW 2-STORY FRAMED DWELLING

SITE

522 SOUTH RIVERSIDE DRIVE NEPTUNE, NEW JERSEY

APPLICABLE BUILDING CODE **IRC 2018 - NEW JERSEY EDITION**

USE GROUP

CONSTRUCTION TYPE

BASEMENT AREA 8810 CF BASEMENT VOLUME GARAGE AREA 777 SF

SQUARE FOOTAGE CALCULATIONS

GARAGE VOLUME FIRST FLOOR AREA FIRST FLOOR VOLUME

SECOND FLOOR AREA SECOND FLOOR VOLUME ATTIC AREA @ 7' HT OR GREATER

ATTIC VOLUME TOTAL LIVING AREA TOTAL BUILDING VOLUME

CM.D.

Ø GFCI

ΦW₽

€ 50 CFM

PLUMB ITEMS - LIKE WHIRLPOOLS ETC.

VERIFY IF APPLIANCES ARE GAS OR ELECTRIC.

WIND LOAD

1. BASIC WIND SPEED (3 SECOND GUST) M/H WIND SPEED - 120 M.P.H.

2. WIND IMPORTANCE FACTOR, I, AND BUILDING CATEGORY IW = 1.00 BUILDING CATEGORY

3. WIND EXPOSURE: EXPOSURE C

4. APPLICABLE INTERNAL PRESSURE: PLYWOOD AS PER EXCEPTION R301.2.1.2

SNOW LOAD

GROUND SNOW LOAD: 20lbs/ft2

EXPOSURE FACTOR = .9 (EXPOSURE CATEGORY C)

THERMAL FACTOR: Ct = 1.0 (AS PER ASCE 7.95 TABLE 7-3)

1552 SF 13,968 CF

3561 SI 54,685 CF

AC/DC INTERCONNECTED CARBON MONOXCIDE DETECTOR

ELECTRICAL LEGEND

DUPLEX RECEPTACLE - 15" A.F.F.

WEATHERPROOF RECEPTACLE

20 - AMP 2-WAY SWITCH - 44" AFF.

20 - AMP SWITCH - 44" A.F.F.

RECESSED LIGHT

SYMBOLS SHOWN ARE TO SUGGEST THE TYPE OF FIXTURES TO BE INSTALLED.

VERIFY EXACT LOCATION OF ELECTRICAL DEVICES PRIOR TO INSTALLATION.

ALL LIGHT FIXTURES SHALL BE AS SELECTED AND/OR APPROVED BY THE OWNER.

PROVIDE WIRING FOR ITEMS NOT SHOWN SPECIFICALLY - AIR CONDITIONING UNITS, APPLIANCES,

AC/DC INTERCONNECTED SMOKE DETECTOR

DUPLEX RECEPTACLE WITH GROUND FAULT

INCANDESCANT DOWN LIGHT (RECESSED) WITH

INTEGRAL 50 CFM EXHAUST FAN TO EXTERIOR.

345 SF

7497 CF

7770 CF

1664 SF

16,640 CF

BUILDING CATEGORY: 1

IMPORTANCE FACTOR (SNOW LOAD) = 1.0

-GENERAL CONCRETE NOTES

I. CONCRETE HAS BEEN DESIGNED AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE

2. THE MATERIALS SHALL CONFORM TO THE FOLLOWING STANDARDS AND REQUIREMENTS: PORTLAND CEMENT ASTM CI5Ø

ASTM C33 DEFORMED BILLET STEEL BARS ASTM A615 ASTM AI85 WELDED WIRE MESH

3. PORTLAND CEMENT SHALL BE TYPE IA: MAXIMUM AGGREGATE SIZE SHALL BE 3/4". DEFORMED BILLET BARS FOR CONCRETE REINFORCEMENT SHALL BE GRADE 60. ADD MIXTURES SHALL NOT BE PERMITTED.

4. CONCRETE SHALL DEVELOP A COMPREHENSIVE STRENGTH OF 3000 PSI AFTER 28 DAYS AND HAVE A MAXIMUM SLUMP OF 3".

5. PROPORTIONING OF THE CONCRETE MIX SHALL BE BY THE SPECIFIC GRAVITY METHOD.

-GENERAL STAIR REQUIREMENTS (RESIDENTIAL)

1. RISER HEIGHT SHALL BE A MAX OF 8-1/4 INCHES. MINIMUM TREAD DEPTH SHALL BE 9 INCHES. THE WALKING SURFACE OF TREADS AND LANDINGS OF A STAIRWAY SHALL BE SLOPED NO STEEPER THAN I UNIT VERTICAL IN 48 UNITS HORIZONTAL.

2. STAIRWAYS SHALL NOT BE LESS THAN 36 INCHES IN WIDTH. (HANDRAIL TO HANDRAIL NO LESS THAN 27 INCHES \$ HANDRAIL TO WALL NO LESS THAN 31.5 INCHES)

3. LANDINGS: SHALL NOT BE LESS THAN 36 INCHES IN EITHER DIRECTION.

4. MINIMUM HEADROOM SHALL BE NO LESS THAN 80 INCHES AT ANY PART OF THE STAIRWAY.

5. THERE SHALL NOT BE VARIATION EXCEEDING 3/8" IN THE DEPTH OF ADJACENT TREADS OR IN THE HEIGHT OF ADJACENT RISERS. THE TOLERANCE BETWEEN THE LARGEST AND SMALLEST RISER OR BETWEEN THE LARGEST AND SMALLEST TREAD SHALL NOT EXCEED 3/8".

6. STAIRWAYS SHALL HAVE CONTINUOUS HANDRAIL ON A MINIMUM OF ONE SIDE. HANDRAILS SHALL BE CONTINUOUS, WITHOUT INTERRUPTION BY NEWEL POSTS, OTHER STRUCTURAL ELEMENTS OR OBSTRUCTIONS, A HANDRAIL AND ANY WALL OR OTHER SURFACE ADJACENT TO THE HANDRAIL SHALL BE FREE OF ANY SHARP OR ABRASIVE ELEMENTS.

1. THE CLEAR SPACE BETWEEN THE HANDRAIL AND THE ADJACENT WALL OR SURFACE SHALL NOT BE LESS THAN 2".

8. HANDRAILS SHALL NOT BE LESS THAN 36" NOR MORE THAN 38", MEASURED VERTICALLY, ABOVE THE LEADING EDGE OF THE TREADS OR ABOVE THE FINISHED FLOOR OF THE LANDING OR WALKING SURFACES.

9. HANDRAILS SHALL HAVE A CIRCULAR CROSS SECTION WITH AN OUTSIDE DIAMETER OF AT LEAST 1 1/4" AND NOT GREATER THAN 2".

-GENERAL NOTES

1. MODIFICATIONS TO THESE PLANS BY THE OWNER OR CONTRACTOR SHALL NOT BE MADE WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT. ANY MODIFICATIONS MADE WITHOUT THE ARCHITECT'S PERMISSION WILL BE THE SOLE RESPONSIBILITY OF THE PARTY ENACTING SUCH MODIFICATION.

2. ALL WORK OF THIS APPLICATION SHALL BE IN ACCORDANCE WITH THE NEW JERSEY UNIFORM CONSTRUCTION CODE, INTERNATIONAL RESIDENTIAL CODE/2018, INTERNATIONAL BUILDING CODE/2018, NEC 2017, NATIONAL STANDARD PLUMBING CODE 2018, AMERICAN FOREST AND PAPER ASSOCIATION WOOD FRAME CONSTRUCTION MANUAL FOR ONE AND TWO FAMILY DWELLINGS AND LATEST SUB CODE ADDITIONS, REVISIONS, AMENDMENT AND SUPPLEMENTS.

3. THE CONTRACTOR SHALL REFER TO DIMENSIONS AND NOT SCALE THESE DRAWINGS.

4. ALL DIMENSIONS ARE SHOWN TO FACE OF ROUGH EXCEPT WHERE OTHERWISE INDICATED.

5. THE CONTRACTOR IS RESPONSIBLE FOR AND SHALL VERIFY AND COORDINATE ALL DIMENSIONS AND DETAILS PRIOR TO PROCEEDING WITH ANY WORK. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING WORK DURING THE COURSE OF CONSTRUCTION. ANY DAMAGES RESULTING FROM CONSTRUCTION PROCEDURES SHALL BE THE RESPONSIBILITY OF THOSE CONTRACTORS CAUSING SUCH DAMAGE.

1. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, SUPERVISION, COORDINATES, BONDS, INSURANCE, PERMITS AND INSPECTIONS AS NECESSARY FOR THE COMPLETION OF THE WORK.

8. THE CONTRACTOR SHALL PERFORM ALL INDICATED WORK AND RELATED WORK EVEN IF NOT CLEARLY INDICATED ON THE DRAWINGS AS MAY BE REASONABLY CONSIDERED AS NECESSARY FOR COMPLETION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW THE WORK TO BE DONE PRIOR TO CONSTRUCTION AND INCLUDE SUCH WORK IN HIS BID ESTIMATE.

9. THE CONTRACTOR SHALL INSTALL ALL MATERIALS AND PRODUCTS IN ACCORDANCE WITH CODE REQUIREMENTS AND MANUFACTURER'S SPECIFICATIONS.

10. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SERVICES AND ASSOCIATED HOOK-

II. CONTRACTOR SHALL SECURE AND PAY FOR ALL NECESSARY PERMITS, APPROVALS AND INSPECTIONS NECESSARY FOR PERFORMANCE OF WORK DESCRIBED HEREIN. CONTRACTOR SHALL APPLY FOR AND SECURE A CERTIFICATE OF OCCUPANCY ON BEHALF OF THE OWNER AT THE CONCLUSION OF THE WORK.

12. TO AID IN MAINTAINING SITE SECURITY, CONTRACTOR SHALL COORDINATE THE ACTIVITIES OF HIS WORKERS AND THAT OF HIS SUBCONTRACTORS WITH SITE MANAGEMENT. CONTRACTOR SHALL PROVIDE NOTICE TO SITE MANAGEMENT OF PROPOSED ACTIVITIES, DURATION AND IDENTIFY PERSONNEL INVOLVED.

13. DEBRIS SHALL BE REMOVED FROM SITE TO LEGAL DISPOSAL BY CONTRACTOR.

14. ALL UTILITIES INCLUDING BUT NOT LIMITED TO DUCT WORK, ELECTRIC METER, BOILER/FURNACE, PUMPS, PLUMBING & ELECTRICAL WILL BE INSTALLED ABOVE THE DESIGN FLOOD ELEVATION.

AMERICAN CONCRETE INSTITUTE (ACI 318) BUILDING CODE FOR REINFORCED CONCRETE, LATEST AMENDMENTS.

READY MIX CONCRETE ASTM C34 CONCRETE AGGREGATE

6. ALL FOOTING DESIGNS ARE BASED ON A MINIMUM SOIL BEARING CAPACITY OF 3000 PSF. IF CONDITIONS ARE FOUND TO BE DIFFERENT, THE ARCHITECT IS TO BE NOTIFIED IN WRITING PRIOR TO CONSTRUCTION FOR NEW FOOTING DESIGN.

-GENERAL TIMBER NOTES

I. TIMBER SHALL BE DOUGLAS FIR LARCH *2 GRADE OR APPROVED EQUAL. MINIMUM ALLOWABLE STRESSES:

PARALLAMS FB = 1200 psi FC = 385 psi FB = 2800 psi FT = 850 psi FC'= 1150 psi FV = 285 psi FV = 95 psi E = 1600 ksi E = 2000 ksi

2. LUMBER SHALL CONFORM TO THE AMERICAN LUMBER STANDARDS SIMPLIFIED RECOMMENDATIONS 16-33 OF THE US DEPARTMENT OF COMMERCE BUREAU OF STANDARDS AND SHALL BE GRADE MARKED.

3. GRADES OF ALL LUMBER SHALL CONFORM TO THE GRADING RULES OF THE MANUFACTURER'S ASSOCIATION UNDER WHOSE RULES THE LUMBER IS PRODUCED AND EACH PIECE SHALL BEAR THE GRADE AND TRADEMARK OF THAT ASSOCIATION.

4. MOISTURE CONTENT SHALL OF ALL STRUCTURAL LUMBER SHALL BE 19% OR LESS AVERAGE WITH NO PIECE CONTAINING OVER 21% EXPRESSED AS A WEIGHT PERCENT OF OVEN-DRIED WOOD.

5. ROOF AND FLOOR DECKING SHALL BE IN ACCORDANCE WITH PS-1-83 STRUCTURAL GRADE II, STANDARD BUILDING CODE SUPPLEMENT OF CHAPTER XVII AND SHALL BEAR APA MARKING.

6. DESIGN LOAD CRITERIA: ROOF LOADS: 25 PSF LL FLOOR LOADS: 40 PSF LL PORCH LOADS: 40 PSF LL 15 PSF DL 15 PSF DL 15 PSF DL 40 PSF TL 55 PSF TL 55 PSF LT

7. SOLID BRIDGING SHALL BE PROVIDED AT ALL BEARING POINTS, BEARING WALLS AND OVER ALL GIRDERS. CROSS BRIDGING SHALL BE PROVIDED AT 8'-0" O.C. MAX.

8. PROVIDE DOUBLE JOISTS UNDER ALL PARTITIONS PARALLEL TO FRAMING DIRECTION.

9. ALL FRAMING IS TO BE DOUBLED UP SKYLIGHT OPENINGS.

10. ALL HEADERS AT DOORS AND WINDOWS ARE TO BE (2) 2X8 UNLESS OTHERWISE INDICATED.

NOTES FOR TABLE R602.3(1) FASTENING SCHEDULE:

A. NAILS ARE SMOOTH-COMMON, BOX OR DEFORMED SHANKS EXCEPT WHERE OTHERWISE STATED. NAILS USED FOR FRAMING AND SHEATHING CONNECTIONS SHALL HAVE A MINIMUM AVERAGE BENDING YIELD STRENGTHS AS SHOWN: 80 KSI FOR SHANK DIAMETER OF 0.192 INCH (2013 COMMON NAIL), 90 KSI FOR SHANK DIAMETERS LARGER THAN 0.142 INCH BUT NOT LARGER THAN Ø.171 INCH, AND 100 KSI FOR SHANK DIAMETERS OF Ø.142 INCH OR LESS.

B. STAPLES ARE 16 GAGE WIRE AND HAVE A MINIMUM 1/16-INCH ON DIAMETER CROWN WIDTH.

C. NAILS SHALL BE SPACED AT NOT MORE THAN 6-INCHES ON CENTER AT ALL SUPPORTS WHERE SPANS ARE

D. FOUR-FOOT BY 8-FOOT OR 4-FOOT BY 9-FOOT PANELS SHALL BE APPLIED VERTICALLY.

E. SPACING OF FASTENERS NOT INCLUDED IN THIS TABLE SHALL BE BASED ON TABLE R602.3(2)

F. WHERE THE ULTIMATE DESIGN WIND SPEED IS 130 MPH OR LESS, NAILS FOR ATTACHING WOOD STRUCTURAL PANEL ROOF SHEATHING TO GABLE END WALL FRAMING SHALL BE SPACED 6 INCHES ON CENTER. WHERE THE ULTIMATE SUPPORTS SHALL BE SPACED 6 INCHES ON CENTER FOR MINIMUM 48-INCH DISTANCE FROM RIDGES, EAVES, AND GABLE END WALLS: AND 4 INCHES ON CENTER TO GABLE END WALL FRAMING.

G. GYPSUM SHEATHING SHALL CONFORM TO ASTM C1396 AND SHALL BE INSTALLED IN ACCORDANCE WITH GA 253. FIBERBOARD SHEATHING SHALL CONFORM TO ASTM C208.

H. SPACING OF FASTENERS ON FLOOR SHEATHING PANEL EDGES APPLIES TO PANEL EDGES SUPPORTED BY FRAMING MEMBERS AND REQUIRED BLOCKING AND AT FLOOR PERIMETERS ONLY. SPACING OF FASTENERS ON ROOF SHEATHING PANEL EDGES APPLIES TO PANEL EDGES SUPPORTED BY FRAMING MEMBERS AND REQUIRED BLOCKING BLOCKING OF ROOF OR FLOOR SHEATHING PANEL EDGES PERPENDICULAR TO THE FRAMING MEMBERS NEED NOT BE SUPPORTED BY FRAMING MEMBERS OR SOLID BLOCKING.

PROVIDE TWO TOE NAILS ON ONE SIDE OF THE RAFTER AND TOE NAILS FROM THE CEILING JOIST TO TOP PLATE IN ACCORDANCE WITH THIS SCHEDULE. THE TOE NAIL ON THE OPPOSITE SIDE OF THE RAFTER SHALL NOT BE REQUIRED.

CONTINUOUS STRUCTURAL PANEL SHEATHING

BUILDING ELEMENT	FASTENER NUMBER & TYPE	FIELD SPACING	EDGE SPACING	
1/2" WALL SHEATHING	8d COMMON NAIL	6" O.C.	6" O.C.	
1/2" ROOF SHEATHING	8d DEFORMED NAIL	6" O.C.	4" O.C.	

-ENERGY CODE COMPLIANCE

1. WALL SECTION (R REQUIRED - 19 MIN.)	
OUTSIDE AIR FILM	דו.
SIDING	.92
BATT INSULATION	19.00
BUILDING PAPER	.12
1/2" GYPSUM BOARD	.45
INSIDE AIR FILM	.68
TOTAL R	21.34
TOTAL U = 1/21.34	Ø47
101AL u = 1/21.54	.2041

2. ROOF ASSEMBLY (R REQUIRED - 38 MIN.) OUTSIDE AIR FILM BATT INSULATION 38*.*ØØ 1/2" GYPSUM BOARD

INSIDE AIR FILM TOTAL R TOTAL U - 1/39.81

3. FLOORS OVER UNHEATED SPACES (R REQUIRED - 19 MIN.) PLYWOOD FLOOR BATT INSULATION 19.00 CARPET AND PAD 1.23 TOTAL R

TOTAL U - 1/21.16

4. WINDOWS TO HAVE U-FACTOR NO GREATER THAN 0.5 3/BTU / (HR FT F)/6/8

5. DOORS TO HAVE U-FACTOR NO GREATER THAN 0.6 3/BTU / (HR FT °F)%

6. ALL CONSTRUCTION TO CONFORM WITH IECC 2018 ENERGY MODEL CODE.

ROOFS AND FLOORS SHALL BE CAULKED & SEALED W/ AN APPROVED ELASTIC CAULKING COMPOUND. 8. RECESSED LIGHTING FIXTURES MUST BE IC RATED OR INSTALLED IN A SEALED BOX WHICH INSURES THAT INSULATION IS AT LEAST 3 INCHES FROM THE LIGHT FIXTURE. ALL RECESSED LIGHTS MUST BE TIGHTLY SEALED

1. ALL EXTERIOR JOINTS AROUND WINDOWS, DOORS, UTILITY PENETRATIONS AND INTERSECTIONS OF WALLS,

OR GASKETED TO PREVENT AIR LEAKAGE THROUGH THE FIXTURE INTO THE CEILING CAVITY OR ATTIC AREA. 9. IN ALL FRAMED WALLS, FLOORS, AND ROOF/CEILINGS COMPRISING ELEMENTS OF THE BUILDING THERMAL ENVELOPE, A VAPOR RETARDER SHALL BE INSTALLED ON THE WARM-IN-WINTER SIDE OF THE INSULATION IN ACCORDANCE WITH THE MANUFACTURES SPECIFICATIONS.

10. INSULATION MATERIALS, INCLUDING FACINGS, SUCH AS VAPOR BARRIERS OR BREATHER PAPERS INSTALLED WITHIN FLOOR-CEILING ASSEMBLIES, ROOF-CEILING ASSEMBLIES, WALL ASSEMBLIES, CRAWL SPACES AND ATTICS SHALL HAVE A FLAME-SPREAD INDEX NOT TO EXCEED 25 WITH AN ACCOMPANYING

SMOKE-DEVELOPED INDEX NOT TO EXCEED 450 WHEN TESTED IN ACCORDANCE WITH ASTM E 84. II. ALL EXPOSED INSULATION MATERIALS INSTALLED ON ATTIC FLOORS SHALL HAVE A CRITICAL RADIANT FLUX NOT LESS THAN Ø.12 WATT PER SQUARE CENTIMETER.

12. EXTERIOR WINDOWS AND GLASS DOOR SHALL BE TESTED BY AN APPROVED INDEPENDENT LABORATORY, AND BEAR A LABEL IDENTIFYING MANUFACTURER, PERFORMANCE CHARACTERISTICS AND APPROVED

13. THE INSTALLER SHALL PROVIDE SIGNED AND DATED STATEMENTS CERTIFYING THE PRODUCTS INSTALLED. FOR BLOWN OR SPRAYED INSULATION, THE INITIAL INSTALLED THICKNESS, THE SETTLED THICKNESS, COVERAGE AREA, AND THE NUMBER OF BAGS MUST BE POSTED IN A CONSPICUOUS LOCATION ON THE JOB SITE. IN ATTICS, THICKNESS MARKERS FACING THE ATTIC ACCESS MUST BE PLACED AT LEAST ONCE EVERY 300 SQUARE FEET.

14. JOINTS OF DUCT SYSTEMS SHALL BE MADE SUBSTANTIALLY AIRTIGHT BY MEANS OF TAPES, MASTICS, GASKETING OR OTHER APPROVED CLOSURE SYSTEMS AS REQUIRED. ALL DUCTS IN UNCONDITIONED SPACES

15. MANUFACTURER MANUALS FOR ALL INSTALLED HEATING AND COOLING EQUIPMENT MUST BE LEFT WITH THE HOME UPON COMPLETION OF CONSTRUCTION.

16. ENERGY SUBCODE MUST COMPLY WITH BULLETIN 11-1

II. HYAC DUCTING LOCATED IN THE BASEMENT SHALL BE INSULATED WITH MIN. R-6. DUCTING LOCATED IN THE ATTIC SHALL BE INSULATED TO A MIN. OF R-8. AS PER IECC 403.2.1

48-INCHES OR GREATER.

DESIGN WIND SPEED IS GREATER THAN 130 MPH, NAILS FOR ATTACHING PANEL ROOF SHEATHING TO INTERMEDIATE

PROVIDED EXCEPT AS REQUIRED BY OTHER PROVISIONS OF THIS CODE (2015 IRC-NJ). FLOOR PERIMETER SHALL BE

I. WHERE A RAFTER IS FASTENED TO AN ADJACENT PARALLEL CEILING JOIST IN ACCORDANCE WITH THIS SCHEDULE,

BUILDING ELEMENT	FASTENER NUMBER & TYPE	FIELD SPACING	EDGE SPACING	
1/2" WALL SHEATHING	8d COMMON NAIL	6" O.C.	6" O.C.	
1/2" ROOF SHEATHING	8d DEFORMED NAIL	6" O.C.	4" O.C.	

TABLE R602.3(1) FASTENING SCHEDULE NUMBER AND TYPE OF SPACING AND ITEM DESCRIPTION OF BUILDING ELEMENTS FASTENER (a,b,c) LOCATION 3-8d box (2 1/2" x Ø.113") or 3-8d common (2 1/2" x Ø.131") or BLOCKING BETWEEN CEILING JOISTS OR RAFTERS TO TOP PLATE TOE NAIL 3-10d box (3" x 0.128") or 3-3" x Ø.131" nails 4-8d box (2 1/2" x Ø.113") or 3-8d common (2 1/2" x Ø.131") or PER JOIST, TOE NAIL CEILING JOISTS TO TOP PLATE 3-10d box (3" x 0.128") or 5-3" x Ø.131" nails CEILING JOIST NOT ATTACHED TO PARALLEL RAFTER, LAPS OVER 4-10d box (3" x 0.128") or FACE NAIL PARTITIONS (SEE SECTIONS R802.3.1, R802.3.2 AND TABLE 3-16d common (3 1/2" x 0.162") or 4-3" x Ø.131" nails CEILING JOIST NOT ATTACHED TO PARALLEL RAFTER (HEEL JOINT) Table R802.5.1(9) FACE NAIL (SEE SECTIONS R802.3.1, R802.3.2 AND TABLE R802.5.1(9)) 4-10d box (3" x 0.128") or COLLAR TIE TO RAFTER, FACE NAIL OR 1 1/4" x 20 GA. RIDGE STARP TO 3-10d common (3 1/2" x 0.148") or | FACE NAIL EACH RAFTER |-16d box nails (3 1/2" x Ø.135") or | 2 TOE NAILS ON ONE SIDE ANI β-10d common (3" x 0.148") or | 1 TOE NAIL ON OPPOSITE 6 RAFTER OR ROOF TRUSS TO PLATE | 4-100d box (3" x 0.128") or | SIDE OF EACH RAFTER OR 4-3" x Ø.131" nails 4-16d box (3 1/2" x 0.135") or 3+10d common (3 1/2" x 0.148") or TOE NAIL 4-10d box (3" x 0.128") or ROOF RAFTER TO RIDGE, VALLEY OR HIP RAFTERS OR ROOF RAFTER 4-3" x Ø.131" nails TO MINIMUM 2" RIDGE BEAM 3-16d box (3 1/2" x 0.135") or 2-16d common (3 1/2" x Ø.162") or END NAIL | 3-10d box (3" x 0.128") or 3-3" x Ø.131" nails WALLSTUD TO STUD (NOT AT BRACED WALL PANELS) 3" x Ø.131" nails STUD TO STUD AND ABUTTING STUDS AT INTERSECTING WALL CORNERS 3" x Ø.131" nails (AT BRACED WALL PANELS)

d common (3 1/2" x Ø.162") | 24" O.C. FACE NA 10d box (3" x 0.135") or 16" O.C. FACE NAI' 16d box (3 1/2" x Ø.135") or 12" O.C. FACE NAIL od common (3 1/2" x 0.162") 16" O.C. FACE NAI 6d common (3 1/2" x Ø.162") | 16" O.C. EACH EDGE FACE NAI 10 BUILT-UP HEADER (2" TO 2" HEADER WITH 1/2" SPACER) 16d box (3 1/2" x Ø.135") | 12" O.C. EACH EDGE FACE NAI 5-8d box (2 1/2" x Ø.113") or CONTINUOUS HEADER TO STUD TOE NAIL \$4-8d common (2 1/2" x Ø.131") or 4-10d box (3" x 0.128") |6d common (3 1/2" x Ø.162") | 16" O.C. FACE NAIL 10d box (3" x 0.135") or | 12" O.C. FACE NAIL TOP PLATE TO TOP PLATE 3" x Ø.131" nails 8 | 16d common (3 1/2" x 0.162") or DOUBLE TOP PLATE SPLICE FOR SDCs A-D, WITH SEISMIC BRACED 12-16d box (3 1/2" x 0/135") or FACE NAIL ON EACH SIDE OF

WALL LINE SPACING < 25' 12-100d box (3" x 0.128") or END JOINT (MINIMUM 24" LAP , 12-3" × Ø.131 nails SPLICE LENGTH EACH SIDE OF DOUBLE TOP PLATE SPLICE SDCs D , D , OR D ; AND BRACED WALL 12-16d (3 1/2" x Ø.135") LINE SPACING ≥ 25' 6d common (3 1/2" x Ø.162") | 16" O.C. FACE NAIL BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST OR 16d box (3 1/2" x 0.135") or 12" O.C. FACE NAIL BLOCKING (NOT AT BRACED WALL PANELS) 3" x Ø.131" nails \$-16d box (3 1/2" x Ø.135") or | 3 EACH 16" O.C. FACE NAIL BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST OR 2-16d common (3 1/2" x Ø.162") or 2 EACH 16" O.C. FACE NAIL BLOCKING (AT BRACED WALL PANELS) 4-3" x Ø.131" nails 4 EACH 16" O.C. FACE NAIL 4-8d box (2 1/2" x Ø.113") or

3-16d box (3 1/2" x Ø.135") or TOE NAIL 4-8d common (2 1/2" x Ø.131") or 4-10d box (3" x 0.128") or 16 TOP OR BOTTOM PLATE TO STUD 4-3" x Ø.131" nails 3-10d box (3 1/2" x 0.135") o 2-16d box (3 1/2" x Ø.162") or END NAIL 3-10d box (3" x 0.128") or $3-3" \times \emptyset.|3|"$ nails

-10d box (2 1/2" x 0.128") or TOP PLATES, LAPS AT CORNERS AND INTERSECTIONS FACE NAIL 2-16d box (3 1/2" x Ø.162") or 3-3" x Ø.131" nails 3-8d box (2 1/2" x Ø.113") or 2-8d common (2 1/2" x Ø.131") or FACE NAIL 18 | I" BRACE TO EACH STUD AND PLATE 2-100d box (3" x 0.128") or 2 staples 1 3/4" B-8d box (2 1/2" x Ø.113") or 2-8d common (2 1/2" x Ø.131") or 19 | 1" × 6" SHEATHING TO EACH BEARING FACE NAIL 2-100d box (3" x 0.128") or 2 staples, 1" crown, 16 ga., 1 3/4" long 3-8d box (2 1/2" x Ø.113") or 3-Bd common (2 1/2" x Ø.131") or 2-100d box (3" x 0.128") or 3 staples, 1" crown, 16 ga., 1 3/4" long FACE NAIL

20 | 1" × 8" AND WIDER SHEATHING TO EACH BEARING | Wider than 1" x 8" | 4-8d box (2 1/2" x Ø.113") or 3-8d common (2 1/2" x Ø.131") or 3-10d box (3" x 0.128") or 4 staples, 1" crown, 16 ga., 1 3/4" long FLOOR

4-8d box (2 1/2" x Ø.113") or

2-8d common (2 1/2" x Ø.131") or

3-10d box (3" x 0.128") or

2 staples, 1" crown, 16 qa., 1 3/4" long

3-16d box (3 1/2" x 0.135") or

2-16d common (3 1/2" x Ø.162")

3-16d box (3" x Ø.135") or

-16d common (3 1/2" x Ø.162")

4-10d box (3" x 0.128") or

4-3" \times Ø.131 nails or

1-3" x 14 ga staples, 7/16" crown

20d common (4" x 0.192") or

3" x Ø.131" nails

2-20d common (4" x 0.192") or

3-10d box (3" x 0.128") or

3-3" x Ø.131" nails

4-16d box (3 1/2" x Ø.135") or

3-16d common (3" x Ø.162") or

4-10d box (3" x 0.128") or

4-3" x Ø.131" nails

3 | 16d common (3 1/2" x Ø.162") or

TOE NAIL

4" O.C. TOE NAIL

6" O.C. TOE NAIL

FACE NAIL

BLIND AND FACE NAIL

AT EACH BEARING, FACE NAI

END NAIL

NAIL EACH LAYER AS FOLLOWS: 32" O.C

AT TOP AND BOTTOM AND STAGGERED

STAGGERED ON OPPOSITE SIDES

FACE NAIL AT ENDS AND AT EACH SLICE

AT EACH JOIST OR RAFTER, FACE NAIL

10d box (3" x 0.128") or 24" OC. FACE NAIL AT TOP AND BOTTON

 $|2-100d(3" \times 0.128")|$ EACH END, TOE NAIL

3-8d common (2 1/2" x Ø.131") or JOIST TO SILL, TOP PLATE OR GIRDER 3-10d box (3" x 0.128") or 3-3" x Ø.131" nails 8d box (2 1/2" x Ø.113") RIM JOIST, BAND JOIST OR BLOCKING TO SILL OR TOP 8-8d common (2 1/2" x Ø.131") or PLATE (ROOF APPLICATIONS ALSO) 10d box (3" x 0.128") or 3" x Ø.131" nails β-8d box (2 1/2" x Ø.113") or

25 | 2" PLANKS (PLANK & BEAM -- FLOOR & ROOF)

BUILT-UP GIRDERS AND BEAMS, 2-INCH LUMBER

28 | LEDGER STRIP SUPPORTING JOISTS OR RAFTERS

26 BAND OR RIM JOIST TO JOIST

LAYERS

29 BRIDGING TO JOIST

23 | 1" × 6" SUBFLOOR OR LESS TO EACH JOIST 24 2" SUBFLOOR TO JOIST OR GIRDER

INSPECTION AGENCY TO INDICATE COMPLIANCE WITH THE REQUIREMENTS SET FORTH.

TO BE WRAPPED WITH R-8 INSULATION

PERMIT: 4-8-20

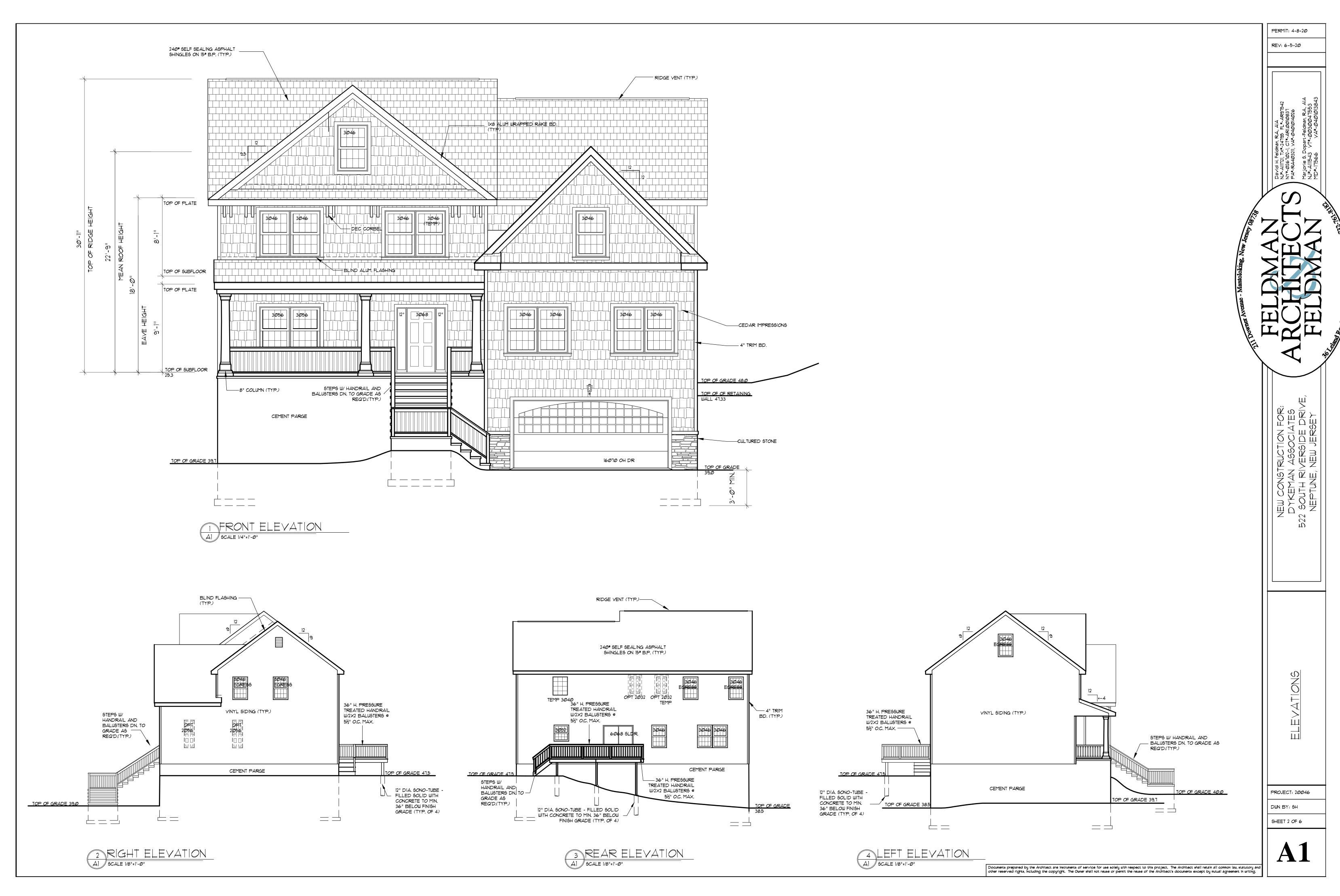
REV: 6-5-20

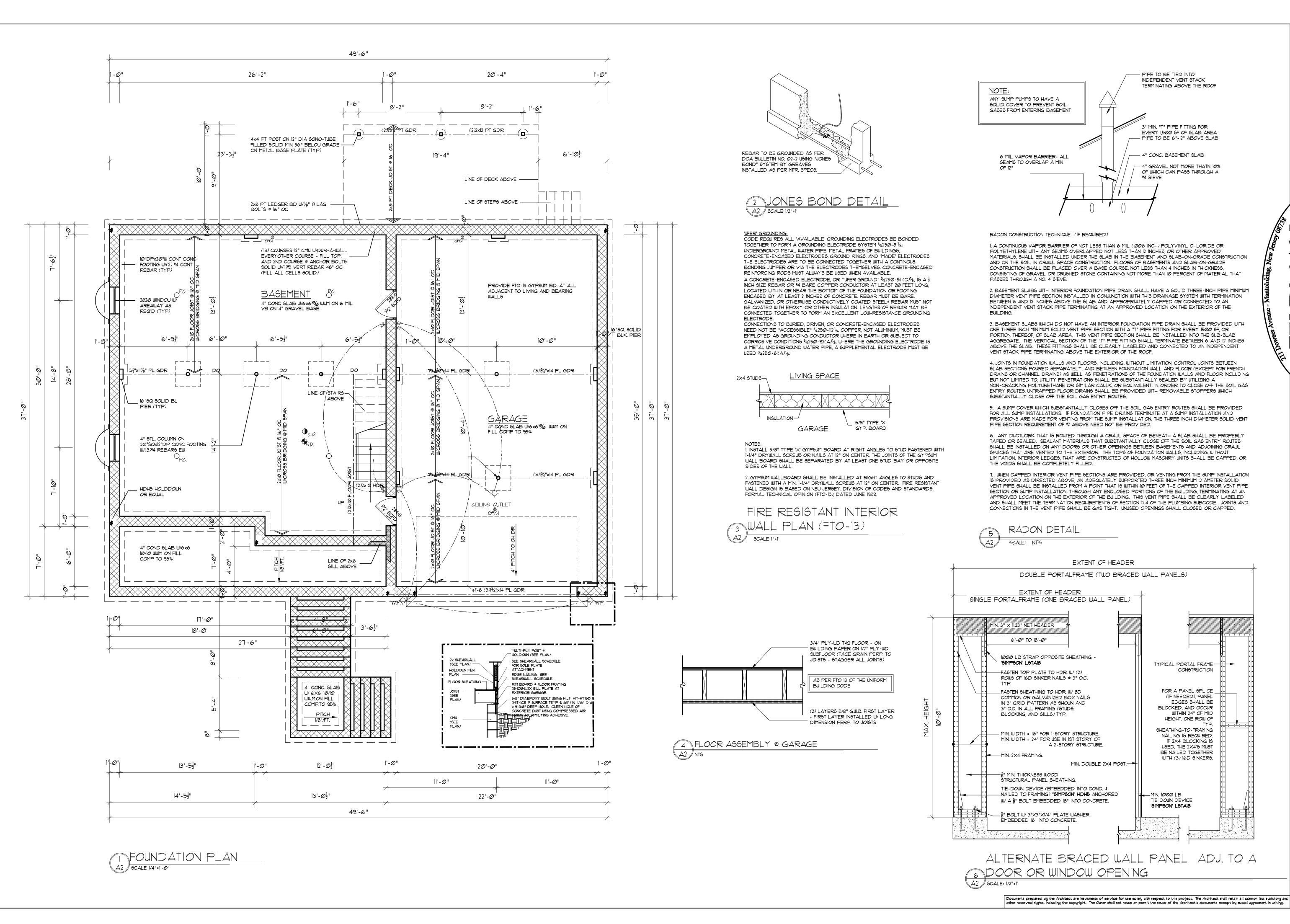
PROJECT: 20046

DWN BY: SH

SHEET 1 OF 6

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