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 IDPR DESIGN FIRM REG. # 184005933



THE COMMUNITY OF TRAMORE OF NAPERVILLE THE "HOBSON"

**2015 IECC INTERNATIONAL ENERGY CONSERVATION CODE REQUIREMENTS
 MECHANICAL (HVAC) SYSTEM NOTES AND SPECIFICATIONS**

FOR BLOW-IN OR SPRAYED INSULATION (FIBERGLASS AND CELLULOSE)
 INSTALLERS CERTIFICATION SHALL INCLUDE INSTALLED THICKNESS, SETTLED R-VALUE,
 INSTALLED DENSITY, COVERAGE AREA AND NUMBER OF BAGS SHALL BE LISTED
 ON CERTIFICATION FOR SPRAYED POLYURETHANE FOAM INSULATION THE INSTALLED
 THICKNESS ON THE AREAS COVERED AND R-VALUE OF INSTALLED THICKNESS SHALL
 BE POSTED ON THE CERTIFICATION. THE INSULATION INSTALLER SHALL SIGN AND DATE
 AND POST THE CERTIFICATION ON THE JOB SITE.

BLOW-IN OR SPRAYED ROOF/CEILING INSULATION SHALL BE WRITTEN IN INCHES
 ON MARKERS THAT ARE INSTALLED AT LEAST ONE EVERY 500 SQUARE FEET THROUGHOUT
 THE ATTIC SPACE. THESE MARKERS SHALL BE AFFIXED TO TRUSSES OR JOISTS.

A PERMANENT CERTIFICATE SHALL BE COMPLETED AND POSTED ON OR IN THE ELECTRICAL
 DISTRIBUTION PANEL BY THE BUILDER OR REGISTERED DESIGN PROFESSIONAL. IT SHALL
 LIST THE FOLLOWING:

PRE-IGNITANT R-VALUES OF INSULATION INSTALLED N/ON ON CEILING/ROOF, WALLS,
 FOUNDATION WALLS, BLS, BASEMENT WALL, CRACKSPACE WALL, AND/OR FLOOR DUCTS
 OUTSIDE CONDITIONED SPACES.
 FACTORS OF PENETRATION

RESULTS OF ANY REQUIRED DUCT SYSTEM, AND BUILDING ENVELOPE AIR LEAKAGE TEST
 LIST TYPES AND EFFICIENCIES OF HEATING / COOLING AND SERVICE WATER HEATING EQUIPMENT.

AIR BARRIERS SHALL BE PROVIDED AT THE FOLLOWING LOCATIONS:
 EXTERIOR WALLS ADJACENT TO A SHOWER OR BATHUB, SEE DETAIL 414AS
 BEHIND ELECTRICAL AND/OR COMMUNICATION BOXES (UNLESS A AIR SEALED BOX IS INSTALLED)
 AIR BARRIER MATERIAL SHALL BE 1/4" - 1/2" THERMOPLASTIC AIR BARRIER MATERIAL OR EQUIVALENT

PENETRATION SHALL BE LISTED AND LABELED BY MANUFACTURER THE MAXIMUM AIR INFILTRATION
 OF WINDOW, SKYLIGHTS AND SLIDING GLASS DOORS IS 0.3 CFM PER SQUARE FOOT.
 MAXIMUM AIR INFILTRATION OF SLIDING DOORS IS 0.3 CFM PER SQUARE FOOT.

RECESSED LIGHTING SHALL BE LABELED BY MANUFACTURER AS HAVING AIR LEAKAGE
 AT NO MORE THAN 2 CFM

HOT WATER PIPING SHALL BE INSULATED WITH R-3 INSULATION IF:
 THE PIPE DIAMETER IS LARGER THAN 3/4"
 IF THE PIPE IS SERVING MORE THAN ONE DWELLING UNIT
 THE ENTIRE ROUTE FROM WATER HEATER TO KITCHEN OUTLETS
 THE PIPE IS OUTSIDE CONDITIONED SPACE
 THE ENTIRE ROUTE FROM WATER HEATER TO DISTRIBUTION MANIFOLD
 THE PIPE IS UNDER THE FLOOR SLAB OR CRAWL
 THE PIPE RUN EXCEEDS 30 FEET IF LARGEST PIPE IS 3/4" DIA.
 THE PIPE RUN EXCEEDS 40 FEET IF LARGEST PIPE IS 1/2" DIA.
 THE PIPE RUN EXCEEDS 40 FEET WHEN LARGEST PIPE IS 3/4" DIA.
 THE PIPE RUN EXCEEDS 5 FEET IF LARGEST PIPE EXCEEDS 3/4"

THE BUILDING OR DWELLING UNIT SHALL BE TESTED AND VERIFIED AS HAVING AN AIR LEAKAGE
 RATE NOT EXCEEDING 3.0 CFS AIR CHANGES PER HOUR (ACH) IN CLIMATE ZONES 1 - 8.
 THE BUILDING OR DWELLING UNIT SHALL BE PROVIDED WITH A WHOLE HOUSE MECHANICAL
 VENTILATION SYSTEM AS DEFINED IN SECTION 9.0.3. TESTING SHALL BE
 CONDUCTED WITH A BLOWER DOOR AT A PRESSURE OF 0.2 INCHES W.G. WHERE
 REQUIRED BY THE CODE OFFICIAL. A TEST REPORT SHALL BE CONDUCTED BY AN APPROVED
 THIRD PARTY. A WRITTEN REPORT OF THE RESULTS OF THE TEST INDICATING THE ACH SHALL
 BE SIGNED BY THE PARTY CONDUCTING THE TEST AND PROVIDED TO THE CODE OFFICIAL.
 TESTING SHALL BE PERFORMED AT ANY TIME AFTER ALL PENETRATIONS OF THE BUILDING
 THERMAL ENVELOPE HAVE BEEN SEALED.

ALL DUCTWORK JOINTS AND SEAMS SHALL BE FULLY SEALED WITH FOIL TAPE.

AIR HANDLING UNITS SHALL BE PROVIDED WITH MANUFACTURER'S CONFIRMATION THAT
 AIR LEAKAGE IS NOT MORE THAN 2% (TWO PERCENT).

ALL DUCTWORK RUNNING THROUGH THE GARAGE CEILING BELOW THE SECOND FLOOR MUST BE SEPARATED
 FROM THE GARAGE SPACE WITH 1/2" (TWO) INCHES (FOPTIFIED) AND INSULATED (SEE DETAIL 914AS)
 THE 1/2" VALUE FOR EXTERIOR WINDOW / DOORS IS 0.32 (MAXIMUM VALUE REQUIRED IS 0.34)

**2015 IECC INTERNATIONAL ENERGY CONSERVATION CODE (CHAPTER FOUR (4))
 MECHANICAL SYSTEM REQUIREMENTS**

ACCESS HATCHES AND DOORS:
 ATTIC ACCESS DOORS / PANELS FROM A CONDITIONED SPACE TO A NON-CONDITIONED SPACE
 SHALL BE WEATHERSTRIPPED AND INSULATED TO A LEVEL EQUIVALENT TO THE INSULATION OF
 SURROUNDING SURFACES

BUILDING THERMAL ENVELOPE:
 THE FOLLOWING SHALL BE CALKED, GASKETED, WEATHERSTRIPPED OR OTHERWISE SEALED WITH
 AN AIR BARRIER MATERIAL, SUITABLE FLY OR SOLID MATERIAL:
 BREAKS IN JOINTS IN THE AIR BARRIER
 ACCESS OPENINGS AND/OR KNEE WALL DOORS TO UNCONDITIONED ATTIC SPACE
 JUNCTION OF TOP PLATE AND THE TOP OF THE EXTERIOR WALL
 JUNCTION OF FOUNDATION AND BILL PLATE

ONE WALLS
 SPACE BETWEEN WINDOW/DOOR JAMBES AND FRAMING
 DUCT SHAFTS, UTILITY PENETRATIONS AND FLE SHAFTS OPENING TO THE EXTERIOR OR UNCONDITIONED SPACE
 RECESSED LIGHT FIXTURES (AIRTIGHT, IC RATED)
 HVAC REGISTER BOOTHS THAT PENETRATE ENVELOPE
 DUCTS, AIR HANDLERS AND FILTER BOXES
 JOINTS AND SEAMS IN HVAC DUCTWORK
 WALL, CEILING AND DOOR BETWEEN GARAGE AND CONDITIONED SPACE

MECHANICAL SYSTEM PIPING:
 MECHANICAL SYSTEM PIPING CAPABLE OF CARRYING FLUIDS GREATER THE 105 DEGREES F
 OR BELOW 50 DEGREES F (10% R-3)

MECHANICAL VENTILATION:
 OUTDOOR AIR INTAKES AND EXHAUSTS SHALL HAVE AUTOMATIC OR GRAVITY DAMPERS
 THAT CLOSE WHEN THE VENTILATION SYSTEM IS NOT OPERATING

ELECTRICAL POWER AND LIGHTING SYSTEMS:
 A MINIMUM OF 5% (FIFTEEN) PERCENT OF THE LAMPS IN PERMANENTLY INSTALLED LIGHTING
 FIXTURES SHALL HAVE HIGH-EFFICACY BULBS

MECHANICAL SYSTEMS:
 ALL SUPPLY AND RETURN DUCTS NOT COMPLETELY INSIDE THE BUILDING THERMAL ENVELOPE
 SHALL BE INSULATED PER THE PERFORMANCE METHOD

GENERAL NOTES:
 THE FOLLOWING GENERAL NOTES APPLY TO THE WORK INDICATED ON THE
 FOLLOWING CONSTRUCTION DOCUMENTS PREPARED BY:
 DESIGN HOUSE ARCHITECTURAL SERVICES, DATED 04/05/2017

ALL WORK ON THIS PROJECT SHALL CONFORM TO THE FOLLOWING ADOPTED CODES OF THE CITY OF NAPERVILLE, ILLINOIS

- 2015 INTERNATIONAL RESIDENTIAL CODE
- 2015 INTERNATIONAL ENERGY CONSERVATION CODE
- 2015 INTERNATIONAL FIRE ALARM CODE
- 2015 INTERNATIONAL MECHANICAL CODE
- 2015 INTERNATIONAL PLUMBING CODE
- 2006 INTERNATIONAL ELECTRIC CODE (ADMINISTRATIVE SECTION)
- 2015 NATIONAL ELECTRICAL CODE (NEC)
- ILLINOIS STATE PLUMBING CODE (CURRENT EDITION)
- NAPERVILLE BUILDING CODE AMENDMENTS TITLE V

OUR OFFICE WILL HANDLE ANY (REQUIRED) SPECIAL INSPECTIONS, IF REQUESTED
 BY CITY OF NAPERVILLE, ILLINOIS OR THE OWNER

INTERIOR FINISH FLAME SPREAD RATINGS AND SMOKE DEVELOPED SPECIFICATIONS SHALL
 BE IN ACCORDANCE WITH THE APPLICABLE CODE AND ASTM E84 REQUIREMENTS. THE BUILDING OWNER
 SHALL SUBMIT THE APPROPRIATE DATA AND TESTINGS INDICATING COMPLIANCE
 TO THE CITY OF NAPERVILLE, ILLINOIS.

THE OWNER SHALL PROVIDE FOR SOLA TESTINGS AND ANY REQUIRED ON-SITE INSPECTIONS
 OF FOOTINGS AND FILL / COMPACTON THAT MAY BE NECESSARY OR REQUIRED. ANY REQUIRED
 WRITTEN REPORTS TO SHOW COMPLIANCE WITH DESIGN PARAMETERS INDICATED ON THESE
 PLANS SHALL BE PROVIDED BY THE OWNER.

THERE ARE NO SPECIAL INSPECTIONS REQUIRED ASSOCIATED WITH THE CONSTRUCTION OF THIS BUILDING.

DRAWING INDEX:

THE "HOBSON" -- 814

- CS.1 COVER SHEET
- A1.2 EXTERIOR ELEVATIONS
- LOOK-OUT / WALK-OUT CONDITIONS
- A2.1 FOUNDATION / BASEMENT PLAN
- A2.2 FOUNDATION PLANS -- LOOK-OUT / WALK-OUT CONDITIONS
- A2.3 OPTIONAL FINISHED BASEMENT PLAN
- A3.1 FIRST / SECOND FLOOR PLANS
- A3.2 FIRST / SECOND FLOOR PLAN OPTIONS
- A4.1 FIRST / SECOND FLOOR FRAMING PLANS
- A4.2 FRAMING PLANS -- PLAN OPTIONS
- A5.1 BASEMENT ELECTRICAL PLANS
- A5.2 FIRST / SECOND FLOOR ELECTRICAL PLANS
- A6.1 WALL SECTIONS
- A6.2 GENERAL SPECIFICATIONS
- A6.3 STANDARD CONSTRUCTION DETAILS
- A6.4 STANDARD CONSTRUCTION DETAILS
- A7 PLUMBING DIAGRAMS
- LB-1 LATERAL WALL BRACING (BY OTHERS)
- LB-2 LATERAL WALL BRACING (BY OTHERS)
- S1.1 STRUCTURAL CONCRETE DETAILS
- S1.2 STRUCTURAL CONCRETE DETAILS
- AS REVISION LOG



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 IDMS Project No. - 181215

COMMUNITY NAME:
 TRAMORE OF NAPERVILLE
 PLAN NAME / # NUMBER:
 HOBSON - 814



NO BEST FRONT STREET
 10 WEST FRONT STREET
 NAPERVILLE, ILLINOIS 60563
 630-385-2492

REVISION DATE: 02/05/2017
 RELEASE DATE: 02/05/2017
 DRAWN BY: CHAS JAC (L)
 CHECKED BY: DICK (L)
 DATE: 02/05/2017

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 CHECKED BY: DICK (L)
 DATE: 02/05/2017

DESIGN HOUSE ARCHITECTURAL SERVICES
 ILLINOIS LICENSED PROFESSIONAL DESIGN FIRM
 IDPH # 184.005933 / EXPIRES 04/30/2019
 THIS IS TO CERTIFY THAT THESE PLANS AND/OR REPORTS WERE
 PREPARED UNDER MY DIRECT SUPERVISION AND TO THE BEST OF MY KNOWLEDGE
 CONFORM TO THE BUILDING CODE OF THE CITY OF NAPERVILLE, ILLINOIS

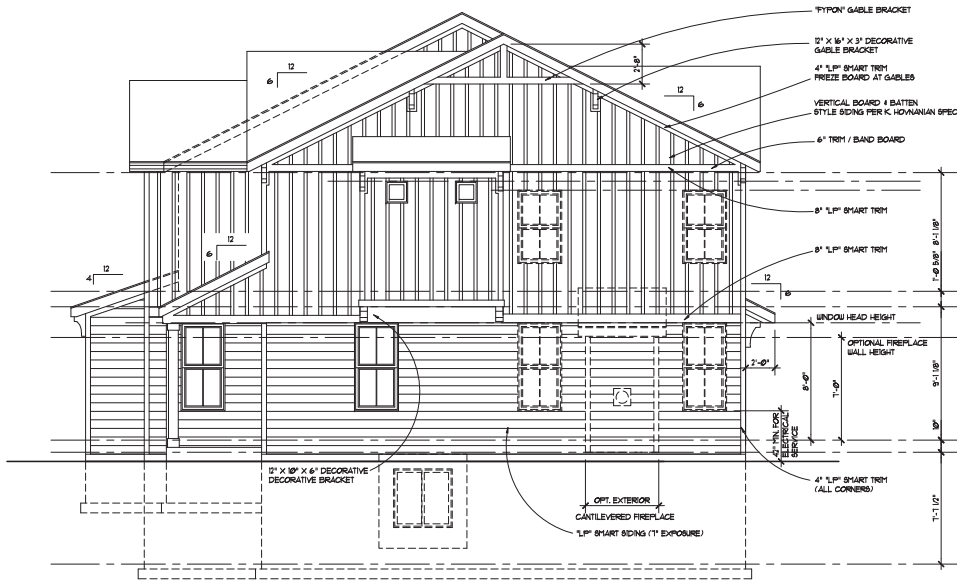
William L. Hutchings
 William L. Hutchings
 LICENSED PROFESSIONAL DESIGNER
 STATE OF ILLINOIS

LICENSE EXPIRES 11/30/2026

NOBEL HOBSON - 814
 PROJECT NO.
 COVER SHEET

SHEET NO.
 CS.1

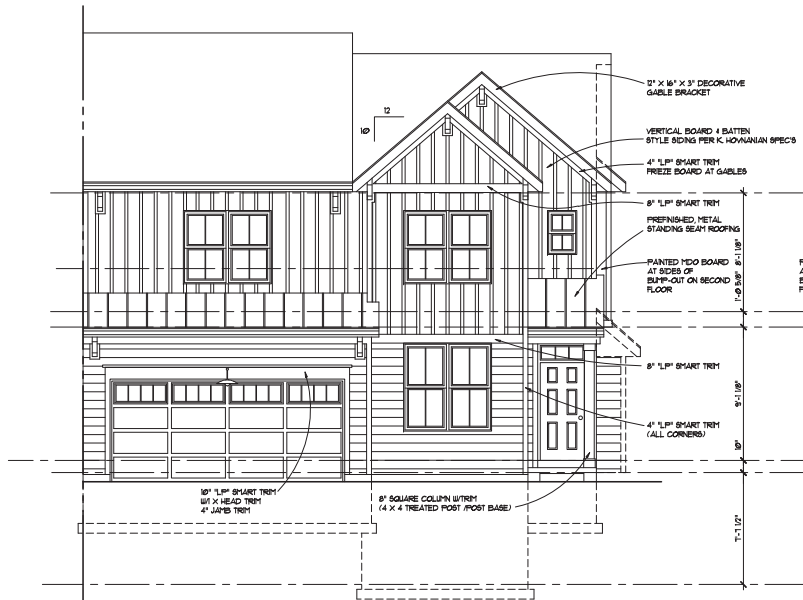
COPYRIGHT © 2017 K. HOVNIANIAN COMPANIES, LLC. ALL REVISIONS AND CORRECTIONS TO THESE PLANS SHALL BE MADE BY DESIGN HOUSE ARCHITECTURAL SERVICES.



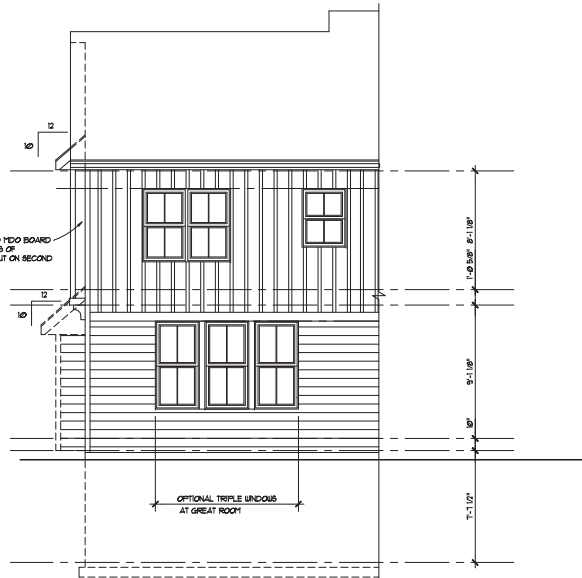
SIDE ELEVATION - THE HOBSON
SCALE: 1/4" = 1'-0"



REAR ELEVATION - THE HOBSON
SCALE: 1/4" = 1'-0"



FRONT ELEVATION - THE HOBSON
SCALE: 1/4" = 1'-0"



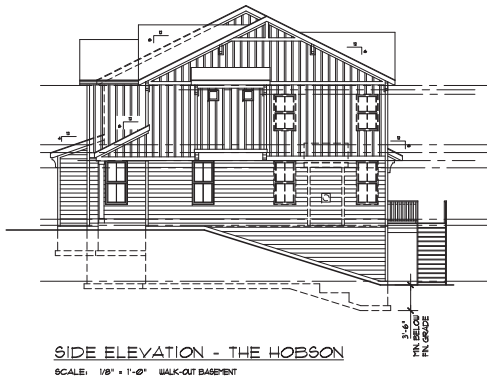
OPTIONAL REAR ELEVATION - THE HOBSON
SCALE: 1/4" = 1'-0"



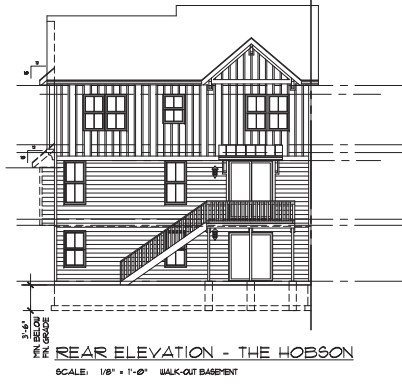
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COMPANY NAME: TRAMORE OF NAPERVILLE PLAN NAME / NUMBER: HOBSON - 814	
 K. HOVANIAN SPECS, L.L.C. 100 WEST FRONT STREET NAPERVILLE, ILLINOIS 60563 TEL: 630-385-7000	
REVISION DATE: 09/29/2017	VERSION: 1
RELEASE DATE: 09/29/2017	RELEASE DATE: 09/29/2017
DRAWN BY: DMS / JAC / EL	SCALE: 1/4" = 1'-0"
SENDER ARCHITECT: DK / GP	PROJECT TITLE: EXTERIOR ELEVATIONS
DWG. DATE: 09/29/2017	SHEET NO.: A.11

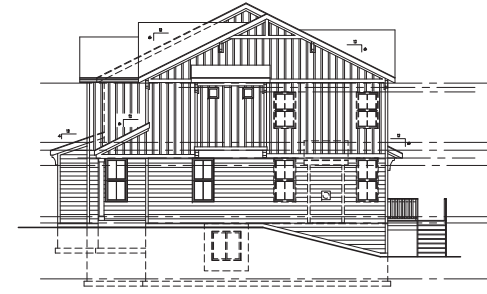
CONSULTANT: DR. K. L. HANAHAN ARCHITECTS, L.L.C. - REPRODUCTION OF THIS DRAWING FOR ANY OTHER PROJECT IS STRICTLY PROHIBITED WITHOUT WRITTEN PERMISSION FROM DR. K. L. HANAHAN ARCHITECTS, L.L.C. OR THEIR ASSOCIATES. ALL DRAWINGS BY DR. K. L. HANAHAN ARCHITECTS, L.L.C.



SIDE ELEVATION - THE HOBSON
 SCALE: 1/8" = 1'-0" WALK-OUT BASEMENT



REAR ELEVATION - THE HOBSON
 SCALE: 1/8" = 1'-0" WALK-OUT BASEMENT



SIDE ELEVATION - THE HOBSON
 SCALE: 1/8" = 1'-0" LOOK-OUT BASEMENT



REAR ELEVATION - THE HOBSON
 SCALE: 1/8" = 1'-0" LOOK-OUT BASEMENT

William L. Hutchings
 William L. Hutchings
 REGISTERED ARCHITECT
 STATE OF ILLINOIS
 NO. 02194

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COMMUNITY NAME:
 TRAMORE OF NAPERVILLE
 PLAN NAME / # / NUMBER:
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KH Hanahan
 REGISTERED ARCHITECT
 STATE OF ILLINOIS
 NO. 02194

REVISION DATE	RELEASE #	VERSION #
02/02/2011		

RELEASE DATE:
 DRAWN BY: DHAS / JAC/ELU
 SENIOR ARCHITECT: DK / GP
 DATE: 02/02/2011

HOBSON - 814 (A - UNIT)
 PROJECT TITLE:
 EXTERIOR ELEVATIONS
 LOOK-OUT / WALK-OUT ELEVATIONS
 ROOF PLAN

SHEET NO.
A12

OWNER:
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THE COMMUNITY OF TRAMORE OF NAPERVILLE THE "KNOCH"

**2018 IECC INTERNATIONAL ENERGY CONSERVATION CODE REQUIREMENTS
 MECHANICAL (HVAC) SYSTEM NOTES AND SPECIFICATIONS**

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 FACTORS OF PENETRATION
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 SHALL BE INSULATED PER THE PERFORMANCE METHOD

GENERAL NOTES:
 THE FOLLOWING GENERAL NOTES APPLY TO THE WORK INDICATED ON THE
 FOLLOWING CONSTRUCTION DOCUMENTS PREPARED BY:
 DESIGN HOUSE ARCHITECTURAL SERVICES, DATED 09/05/2017

ALL WORK ON THIS PROJECT SHALL CONFORM TO THE FOLLOWING ADOPTED CODES OF THE CITY OF NAPERVILLE, ILLINOIS

2018 INTERNATIONAL RESIDENTIAL CODE
 2018 INTERNATIONAL ENERGY CONSERVATION CODE
 2018 INTERNATIONAL FIRE, GAS CODE
 2018 INTERNATIONAL MECHANICAL CODE
 2018 INTERNATIONAL PLUMBING CODE
 2006 INTERNATIONAL ELECTRIC CODE (ADMINISTRATIVE SECTION)
 2017 NATIONAL ELECTRICAL CODE (NEC)
 ILLINOIS STATE PLUMBING CODE (CURRENT EDITION)
 NAPERVILLE BUILDING CODE AMENDMENTS TITLE V

OUR OFFICE WILL HANDLE ANY (REQUIRED) SPECIAL INSPECTIONS, IF REQUESTED
 BY CITY OF NAPERVILLE, ILLINOIS OR THE OWNER

INTERIOR FINISH FLAME SPREAD RATINGS AND SMOKE DEVELOPED SPECIFICATIONS SHALL
 BE IN ACCORDANCE WITH THE APPLICABLE CODE AND 2017 IFM REQUIREMENTS. THE BUILDING OWNER
 SHALL VERIFY THE APPROPRIATE DATA AND TESTINGS INDICATING COMPLIANCE
 TO THE CITY OF NAPERVILLE, ILLINOIS.

THE OWNER SHALL PROVIDE FOR SOLA TESTINGS AND ANY REQUIRED ON-SITE INSPECTIONS
 OF FOOTINGS AND FILL / COMPACTON THAT MAY BE NECESSARY OR REQUIRED. ANY REQUIRED
 WRITTEN REPORTS TO SHOW COMPLIANCE WITH DESIGN PARAMETERS INDICATED ON THESE
 PLANS SHALL BE PROVIDED BY THE OWNER.

THERE ARE NO SPECIAL INSPECTIONS REQUIRED ASSOCIATED WITH THE CONSTRUCTION OF THIS BUILDING.

DRAWING INDEX:

THE "KNOCH" - 816

- CS.1 COVER SHEET
- A1.1 EXTERIOR ELEVATIONS
- A1.2 EXTERIOR ELEVATIONS
- LOOK-OUT / WALK-OUT CONDITIONS
- A2.1 FOUNDATION / BASEMENT PLAN
- A2.2 FOUNDATION PLANS - LOOK-OUT / WALK-OUT CONDITIONS
- A2.3 OPTIONAL FINISHED BASEMENT PLAN
- A3.1 FIRST / SECOND FLOOR PLANS
- A3.2 FIRST / SECOND FLOOR PLAN OPTIONS
- A4 FIRST / SECOND FLOOR FRAMING & ROOF PLANS
- A5.1 BASEMENT ELECTRICAL PLANS
- A5.2 FIRST / SECOND FLOOR ELECTRICAL PLANS
- A6.1 WALL SECTIONS
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- A6.3 STANDARD CONSTRUCTION DETAILS
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- A7 PLUMBING DIAGRAMS
- LB-1 LATERAL WALL BRACING (BY OTHERS)
- LB-2 LATERAL WALL BRACING (BY OTHERS)
- ST.1 STRUCTURAL CONCRETE DETAILS
- ST.2 STRUCTURAL CONCRETE DETAILS
- AS REVISION LOG



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 IDPR License No. 184005933
 DMS Project No. - 181215

COMMUNITY NAME:
 TRAMORE OF NAPERVILLE
 PLAN NAME / NUMBER:
 KNOCH - 816



REVISION DATE	RELEASE #	VERSION #
09/05/2017		
RELEASE DATE:	09/05/2017	
DRAWN BY:	CHAS JAC LL	DL
SENDER ARCHITECT:	DK	GP
DWG. DATE:	09/05/2017	

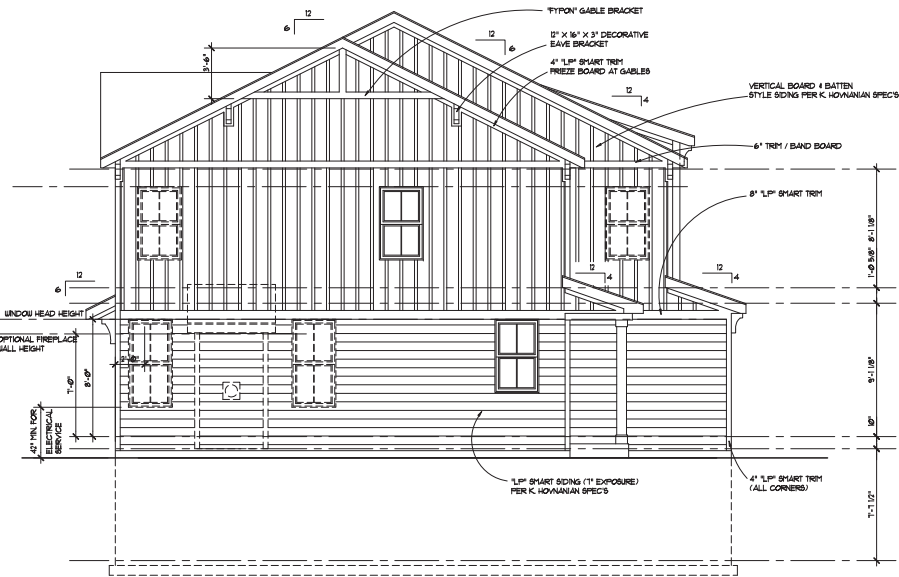
DESIGN HOUSE ARCHITECTURAL SERVICES
 ILLINOIS LICENSED PROFESSIONAL DESIGN FIRM
 IDPH # 184.005933 / EXPIRES 04/30/2019
 THIS IS TO CERTIFY THAT THESE PLANS AND/OR REPORTS WERE
 PREPARED UNDER MY DIRECT SUPERVISION AND TO THE BEST OF MY KNOWLEDGE
 CONFORM TO THE BUILDING CODE OF THE CITY OF NAPERVILLE, ILLINOIS



PROJECT: TRAMORE OF NAPERVILLE
 PROJECT TITLE: COVER SHEET
 SHEET NO. CS.1

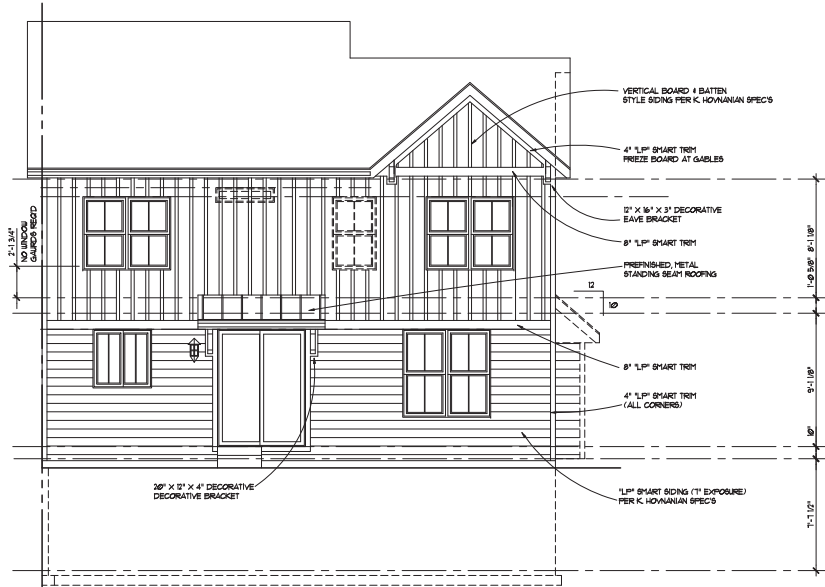
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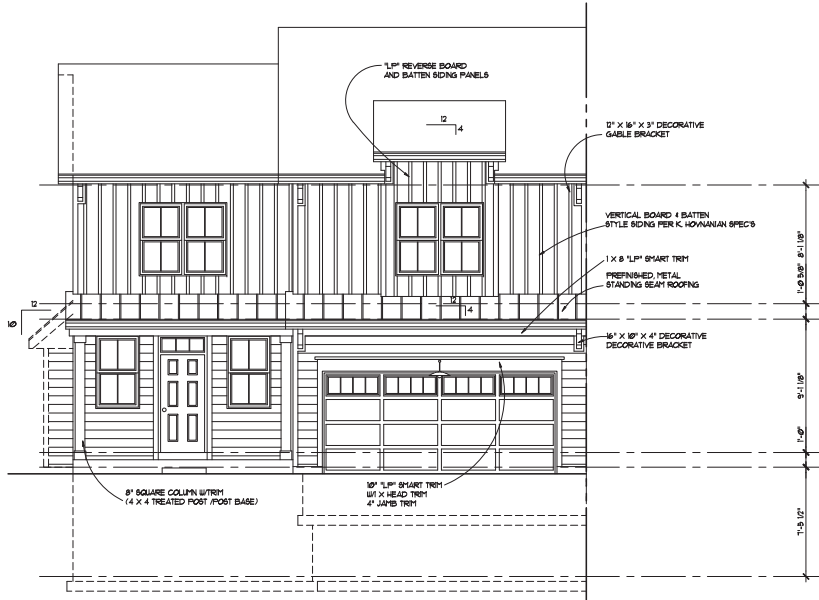
SIDE ELEVATION - THE KNOCH

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



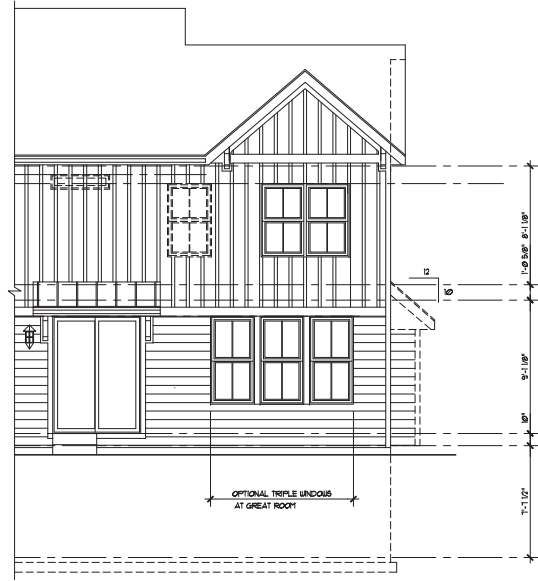
REAR ELEVATION - THE KNOCH

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



FRONT ELEVATION - THE KNOCH

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



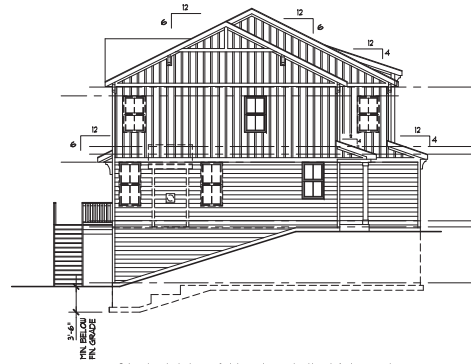
OPTIONAL REAR ELEVATION - THE KNOCH

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

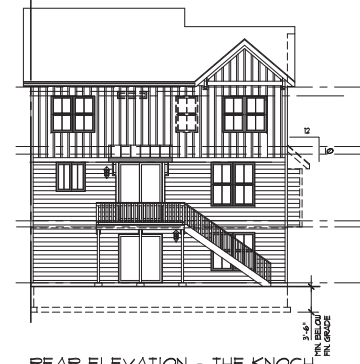


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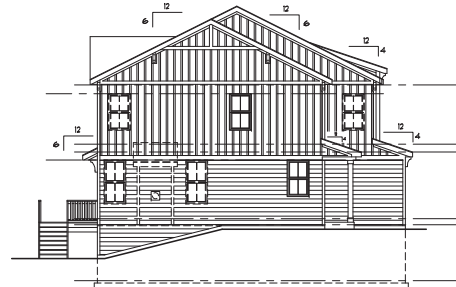
CONSULTING ARCHITECT DESIGN HOUSE ARCHITECTURAL SERVICES <small>An Illinois Licensed Professional Design Firm 4000 Gortiano St. Unit 1 Yorkville, Illinois 60550 phone 630-385-2482 fax 630-385-2863 mobile 630-399-5394 email: DESIGN@DH-AI.com PFI License No. 190705313 IAMS Project No. - 161215</small>	
COMMUNITY NAME: TRAMORE OF NAPERVILLE PLAN NAME / NUMBER: KNOCH - 016	
	
	
REVISION DATE: RELEASE # VERSION #	RELEASE DATE: 09/09/2017 DRAWN BY: CHAS JAC LLJ SENIOR ARCHITECT: DK / GD D.T.O. DATE: 09/09/2017
MODEL: KNOCH - 016 PROJECT TITLE: EXTERIOR ELEVATIONS	
SHEET NO. A.11	



SIDE ELEVATION - THE KNOCH
SCALE: 1/8" = 1'-0" WALK-OUT BASEMENT



REAR ELEVATION - THE KNOCH
SCALE: 1/8" = 1'-0" WALK-OUT BASEMENT



SIDE ELEVATION - THE KNOCH
SCALE: 1/8" = 1'-0" LOOK-OUT BASEMENT



REAR ELEVATION - THE KNOCH
SCALE: 1/8" = 1'-0" LOOK-OUT BASEMENT

William L. Hutchings
WILLIAM L. HUTCHINGS
REGISTERED ARCHITECT
ILLINOIS

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COMMUNITY NAME:
 TRAMORE OF NAPERVILLE
 PLAN NAME / E NUMBER:
 KNOCH - 816



REVISION DATE	RELEASE #	VERSION #
		02/09/2017
		02/09/2017
		02/09/2017

RELEASE DATE: 02/09/2017
 DRAWN BY: CHAS JAC ELI
 SENIOR ARCHITECT: DK / GP
 DATE: 02/09/2017

MODEL: KNOCH - 816
 PROJECT TITLE:
 EXTERIOR ELEVATIONS
 LOOK-OUT / WALK-OUT ELEVATIONS

SHEET NO.
A12

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 RAY BLANKENSHIP
 AREA VICE PRESIDENT
 630-210-8888
 630-946-6629 (FAX)
 RBlankenship@KHOV.COM

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 designhs@aol.com
 IDPR DESIGN FIRM REG. # 184005933



THE COMMUNITY OF TRAMORE OF NAPERVILLE THE "NAPER"

**2018 IECC INTERNATIONAL ENERGY CONSERVATION CODE REQUIREMENTS
 MECHANICAL (HVAC) SYSTEM NOTES AND SPECIFICATIONS**

FOR BLOW-IN OR SPRAYED INSULATION (FIBERGLASS AND CELLULOSE)
 INSTALLERS CERTIFICATION SHALL INCLUDE INSTALLED THICKNESS, SETTLED R-VALUE,
 INSTALLED DENSITY, COVERAGE AREA AND NUMBER OF BAGS. SHALL BE LISTED
 ON CERTIFICATION FOR SPRAYED POLYURETHANE FOAM INSULATION THE INSTALLED
 THICKNESS ON THE AREAS COVERED AND R-VALUE OF INSTALLED THICKNESS SHALL
 BE POSTED ON THE CERTIFICATION. THE INSULATION INSTALLER SHALL SIGN AND DATE
 AND POST THE CERTIFICATION ON THE JOB SITE.

BLOW-IN OR SPRAYED ROOF/CEILING INSULATION SHALL BE WRITTEN IN NOTES
 ON MARKERS THAT ARE INSTALLED AT LEAST ONE EVERY 500 SQUARE FEET THROUGHOUT
 THE ATTIC SPACE. THESE MARKERS SHALL BE AFFIXED TO TRUSSES OR JOISTS.

A PERMANENT CERTIFICATE SHALL BE COMPLETED AND POSTED ON OR IN THE ELECTRICAL
 DISTRIBUTION PANEL. BY THE BUILDER OR REGISTERED DESIGN PROFESSIONAL. IT SHALL
 LIST THE FOLLOWING:

PRE-IGNITANT R-VALUES OF INSULATION INSTALLED N/ON ON CEILING/ROOF, WALLS,
 FOUNDATION WALLS, BLS, BASEMENT WALL, CRAWLSPACE WALL, AND/OR FLOOR DUCTS
 OUTSIDE CONDITIONED SPACES.

FACTORS OF PENETRATION
 RESULTS OF ANY REQUIRED DUCT SYSTEM, AND BUILDING ENVELOPE AIR LEAKAGE TEST
 LIST TYPES AND EFFICIENCIES OF HEATING / COOLING AND SERVICE WATER HEATING EQUIPMENT.

AIR BARRIERS SHALL BE PROVIDED AT THE FOLLOWING LOCATIONS:
 EXTERIOR WALLS ADJACENT TO A SHOWER OR BATHUB, SEE DETAIL 414AS
 BEHIND ELECTRICAL AND/OR COMMUNICATION BOXES (UNLESS A AIR SEALED BOX IS INSTALLED)
 AIR BARRIER MATERIAL SHALL BE 1/4" - 1/2" "THERMOPLASTIC" AIR BARRIER MATERIAL OR EQUIVALENT

PENETRATION SHALL BE LISTED AND LABELED BY MANUFACTURER. THE MAXIMUM AIR INFILTRATION
 OF WINDOW, SKYLIGHTS AND SLIDING GLASS DOORS IS 0.3 CFM PER SQUARE FOOT.
 MAXIMUM AIR INFILTRATION OF SLIDING DOORS IS 0.3 CFM PER SQUARE FOOT.

RECESSED LIGHTING SHALL BE LABELED BY MANUFACTURER AS HAVING AIR LEAKAGE
 AT NO MORE THAN 2 CFM

HOT WATER PIPING SHALL BE INSULATED WITH R-3 INSULATION IF:
 THE PIPE DIAMETER IS LARGER THAN 3/4"
 IF THE PIPE IS SERVING MORE THAN ONE DWELLING UNIT
 THE ENTIRE ROUTE FROM WATER HEATER TO KITCHEN OUTLETS
 THE PIPE IS OUTSIDE CONDITIONED SPACE

THE ENTIRE ROUTE FROM WATER HEATER TO DISTRIBUTION MANIFOLD
 THE PIPE IS UNDER THE FLOOR SLAB OR CRAWL
 THE PIPE RUN EXCEEDS 30 FEET IF LARGEST PIPE IS 3/4" DIA.
 THE PIPE RUN EXCEEDS 50 FEET IF LARGEST PIPE IS 1/2" DIA.
 THE PIPE RUN EXCEEDS 40 FEET WHEN LARGEST PIPE IS 3/4" DIA.
 THE PIPE RUN EXCEEDS 5 FEET IF LARGEST PIPE EXCEEDS 3/4"

THE BUILDING OR DWELLING UNIT SHALL BE TESTED AND VERIFIED AS HAVING AN AIR LEAKAGE
 RATE NOT EXCEEDING 3.0 DUES AIR CHANGES PER HOUR (ACH) IN CLIMATE ZONES 1 - 8

THE BUILDING OR DWELLING UNIT SHALL BE PROVIDED WITH A WHOLE HOUSE MECHANICAL
 VENTILATION SYSTEM AS DEFINED IN ACCORDANCE WITH SECTION 9.1. TESTING SHALL BE
 CONDUCTED WITH A BLOWER DOOR AT A PRESSURE OF 0.2 INCHES W.G. WHERE
 REQUIRED BY THE CODE OFFICIAL. A TESTING SHALL BE CONDUCTED BY AN APPROVED
 THIRD PARTY. A WRITTEN REPORT OF THE RESULTS OF THE TEST INDICATING THE ACH SHALL
 BE SIGNED BY THE PARTY CONDUCTING THE TEST AND PROVIDED TO THE CODE OFFICIAL.
 TESTING SHALL BE PERFORMED AT ANY TIME AFTER ALL PENETRATIONS OF THE BUILDING
 THERMAL ENVELOPE HAVE BEEN SEALED.

ALL DUCTWORK JOINTS AND SEAMS SHALL BE FULLY SEALED WITH FOIL TAPE.

ALL AIR HANDLING UNITS SHALL BE PROVIDED WITH MANUFACTURER'S CONFIRMATION THAT
 AIR LEAKAGE IS NOT MORE THAN 2% (TWO PERCENT).

ALL DUCTWORK RUNNING THROUGH THE GARAGE CEILING BELOW THE SECOND FLOOR MUST BE SEPARATED
 FROM THE GARAGE SPACE WITH 1/2" (TWO) INCH (FOPTIFIED) AND INSULATED. SEE DETAIL 914AS

THE 1/2" VALUE FOR EXTERIOR WINDOWS / DOORS IS 0.32 (MAXIMUM VALUE REQUIRED IS 0.34)

**2018 IECC INTERNATIONAL ENERGY CONSERVATION CODE/ CHAPTER FOUR (4)
 MECHANICAL SYSTEMS REQUIREMENTS**

ACCESS HATCHES AND DOORS:
 ATTIC ACCESS DOORS / PANELS FROM A CONDITIONED SPACE TO A NON-CONDITIONED SPACE
 SHALL BE WEATHERSTRIPPED AND INSULATED TO A LEVEL EQUIVALENT TO THE INSULATION OF
 SURROUNDING SURFACES

BUILDING THERMAL ENVELOPE:
 THE FOLLOWING SHALL BE CALKED, GASKETED, WEATHERSTRIPPED OR OTHERWISE SEALED WITH
 AN AIR BARRIER MATERIAL, SUITABLE FILL OR SOLID MATERIAL:

BREAKS IN JOINTS IN THE AIR BARRIER
 ACCESS OPENINGS AND/OR KNEE WALL DOORS TO UNCONDITIONED ATTIC SPACE
 JUNCTION OF TOP PLATE AND THE TOP OF THE EXTERIOR WALL
 JUNCTION OF FOUNDATION AND BILL PLATE

ONE WALLS
 SPACE BETWEEN WINDOW/DOOR JAMBES AND FRAMING
 DUCT SHAFTS, UTILITY PENETRATIONS AND FLEE SHAFTS OPENING TO THE EXTERIOR OR UNCONDITIONED SPACE

RECESSED LIGHT FIXTURES (AIRTIGHT, IC RATED)
 HVAC REGISTER BOOTHS THAT PENETRATE ENVELOPE
 DUCTS, AIR HANDLERS AND FILTER BOXES

JOINTS AND SEAMS IN HVAC DUCTWORK
 WALL, CEILING AND DOOR BETWEEN GARAGE AND CONDITIONED SPACE

MECHANICAL SYSTEM PIPING:
 MECHANICAL SYSTEM PIPING CAPABLE OF CARRYING FLUIDS GREATER THE 120 DEGREES F
 OR BELOW 50 DEGREES F (10% R-3)

MECHANICAL VENTILATION:
 OUTDOOR AIR INTAKES AND EXHAUSTS SHALL HAVE AUTOMATIC OR GRAVITY DAMPERS
 THAT CLOSE WHEN THE VENTILATION SYSTEM IS NOT OPERATING

ELECTRICAL POWER AND LIGHTING SYSTEMS:
 A MINIMUM OF 5% (FIFTEEN) PERCENT OF THE LAMPS IN PERMANENTLY INSTALLED LIGHTING
 FIXTURES SHALL HAVE HIGH-EFFICACY BULBS

MECHANICAL SYSTEMS:
 ALL SUPPLY AND RETURN DUCTS NOT COMPLETELY INSIDE THE BUILDING THERMAL ENVELOPE
 SHALL BE INSULATED PER THE PERFORMANCE METHOD

GENERAL NOTES:
 THE FOLLOWING GENERAL NOTES APPLY TO THE WORK INDICATED ON THE
 FOLLOWING CONSTRUCTION DOCUMENTS PREPARED BY:
 DESIGN HOUSE ARCHITECTURAL SERVICES, DATED 04/05/2017

ALL WORK ON THIS PROJECT SHALL CONFORM TO THE FOLLOWING ADOPTED CODES OF THE CITY OF NAPERVILLE, ILLINOIS

2018 INTERNATIONAL RESIDENTIAL CODE
 2018 INTERNATIONAL ENERGY CONSERVATION CODE
 2018 INTERNATIONAL FIRE, GAS CODE
 2018 INTERNATIONAL MECHANICAL CODE
 2018 INTERNATIONAL PLUMBING CODE
 2006 INTERNATIONAL ELECTRIC CODE (ADMINISTRATIVE SECTION)
 2017 NATIONAL ELECTRICAL CODE (NEC)
 ILLINOIS STATE PLUMBING CODE (CURRENT EDITION)
 NAPERVILLE BUILDING CODE AMENDMENTS TITLE V

OUR OFFICE WILL HANDLE ANY (REQUIRED) SPECIAL INSPECTIONS, IF REQUESTED
 BY CITY OF NAPERVILLE, ILLINOIS OR THE OWNER

INTERIOR FINISH FLAME SPREAD RATINGS AND SMOKE DEVELOPED SPECIFICATIONS SHALL
 BE IN ACCORDANCE WITH THE APPLICABLE CODE AND ASTM E84 REQUIREMENTS. THE BUILDING OWNER
 SHALL SUBMIT THE APPROPRIATE DATA AND TESTINGS INDICATING COMPLIANCE
 TO THE CITY OF NAPERVILLE, ILLINOIS.

THE OWNER SHALL PROVIDE FOR SOLA TESTINGS AND ANY REQUIRED ON-SITE INSPECTIONS
 OF ROOFINGS AND FILL / COMPACTON THAT MAY BE NECESSARY OR REQUIRED. ANY REQUIRED
 WRITTEN REPORTS TO SHOW COMPLIANCE WITH DESIGN PARAMETERS INDICATED ON THESE
 PLANS SHALL BE PROVIDED BY THE OWNER.

THERE ARE NO SPECIAL INSPECTIONS REQUIRED ASSOCIATED WITH THE CONSTRUCTION OF THIS BUILDING.

DRAWING INDEX:

THE "NAPER" - 815

- CS.1 COVER SHEET
- A1.1 EXTERIOR ELEVATIONS
- A1.2 EXTERIOR ELEVATIONS
- LOOK-OUT / WALK-OUT CONDITIONS
- A2.1 FOUNDATION / BASEMENT PLAN
- A2.2 FOUNDATION PLANS - LOOK-OUT / WALK-OUT CONDITIONS
- A2.3 OPTIONAL FINISHED BASEMENT PLAN
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- A4.1 FIRST / SECOND FLOOR FRAMING PLANS
- A4.2 FRAMING PLANS - PLAN OPTIONS
- A5.1 BASEMENT ELECTRICAL PLANS
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- AB.1 WALL SECTIONS
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 IDMS Project No. - 181215

COMMUNITY NAME:
 TRAMORE OF NAPERVILLE
 PLAN NAME / NUMBER:
 NAPER - 015



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 4562 GARRITANO STREET, UNIT F
 YORKVILLE, ILLINOIS 60560
 IDPR LICENSE # 184005933
 IDMS PROJECT # 181215

REG. NO. 02/07/2017
 REG. DATE 02/07/2017
 REG. EXPIRES 02/07/2021

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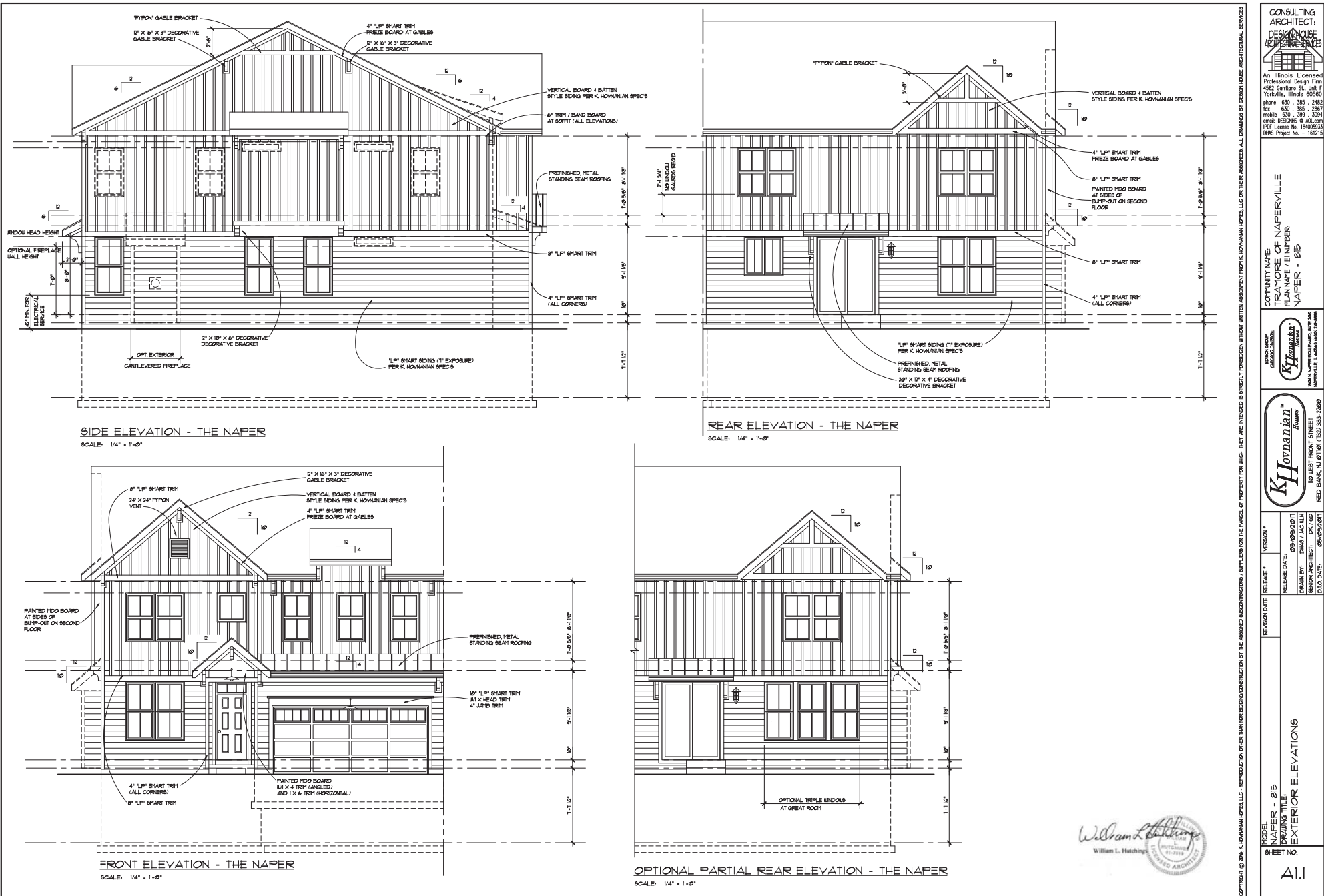
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 IDPH # 184.005933 / EXPIRES 04/30/2019
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 PREPARED UNDER MY DIRECT SUPERVISION AND TO THE BEST OF MY KNOWLEDGE
 CONFORM TO THE BUILDING CODE OF THE CITY OF NAPERVILLE, ILLINOIS

William L. Hutchings
 William L. Hutchings
 ILLINOIS ARCHITECT
 LICENSE # 020000000

LICENSE EXPIRES 11/30/2028

CS.1

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COMMUNITY NAME:
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 PLAN NAME / NUMBER:
NAAPER - 015

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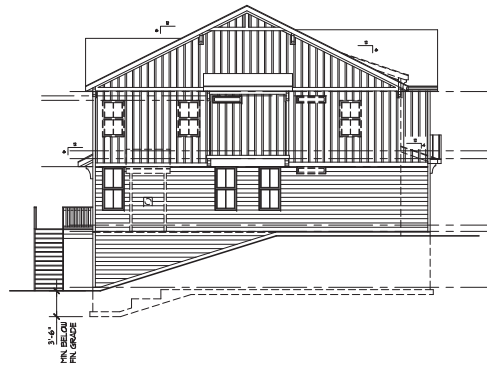
REVISION DATE	RELEASE #	VERSION #
08/09/2011	01	01

RELEASE DATE: 08/09/2011
 DRAWN BY: CHAS JAC LLJ
 SENIOR ARCHITECT: DK (G)
 D.T.O. DATE: 09/07/2011

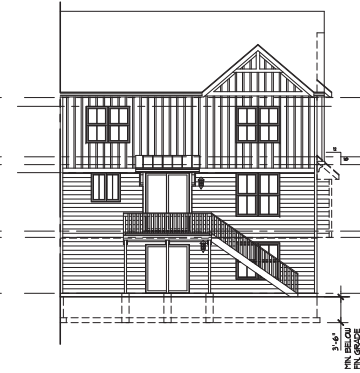
MODEL: 015
 DRAWING TITLE:
EXTERIOR ELEVATIONS
 SHEET NO.

William L. Hutchings
 William L. Hutchings
 ARCHITECT
 LICENSED ARCHITECT

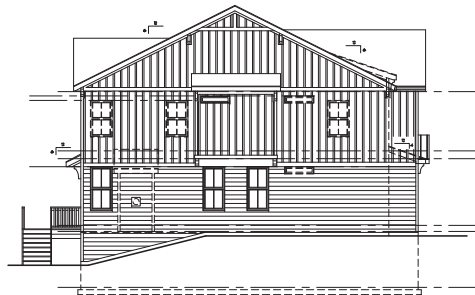
A11



SIDE ELEVATION - THE NAPER
SCALE: 1/8" = 1'-0" WALK-OUT BASEMENT



REAR ELEVATION - THE NAPER
SCALE: 1/8" = 1'-0" WALK-OUT BASEMENT



SIDE ELEVATION - THE NAPER
SCALE: 1/8" = 1'-0" LOOK-OUT BASEMENT



REAR ELEVATION - THE NAPER
SCALE: 1/8" = 1'-0" LOOK-OUT BASEMENT

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William L. Hutchings
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 PLAN NAME / E / NUMBER:
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REVISION DATE	RELEASE #	VERSION #
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MODEL NUMBER: 015
 PROJECT TITLE:
 EXTERIOR ELEVATIONS
 LOOK-OUT / WALK-OUT ELEVATIONS

SHEET NO:
A12