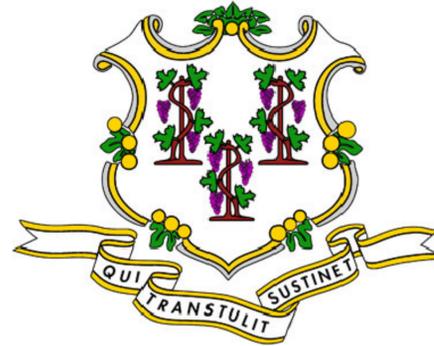


SUPER STORM SANDY *Response and Recovery*

STATE OF CONNECTICUT DEPARTMENT OF HOUSING COMMUNITY DEVELOPMENT BLOCK GRANT DISASTER RECOVERY PROGRAM

OWNER OCCUPIED REHABILITATION
AND REBUILDING PROGRAM (OORR)

GOVERNOR OF CONNECTICUT:
DANNEL P. MALLOY



COMMISSIONER OF HOUSING:
EVONNE M. KLEIN

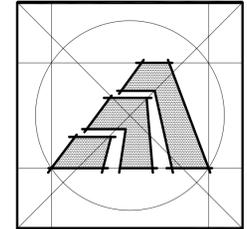
APPLICATION NO. 1198

DEGOURSEY RESIDENCE
11 CHETWOOD STREET
MILFORD, CONNECTICUT 06460

NOVEMBER 3, 2014



ARCHITECT:



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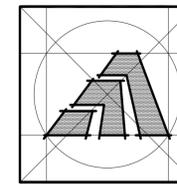
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ORANGE, CT 06477 FAX (203) 799 3871

S.M.E.P. ENGINEER:
LAND SURVEYOR:



Loureiro Engineering Associates, Inc.
100 Northwest Drive
Plainville, Connecticut 06062
Phone: 860-747-6181 / Fax: 860-747-8822
An Employee Owned Company
email : info@loureiro.com
Comm No. 01MH4.08



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Sheet Title:
FLOOR PLANS

APPLICATION # 1198

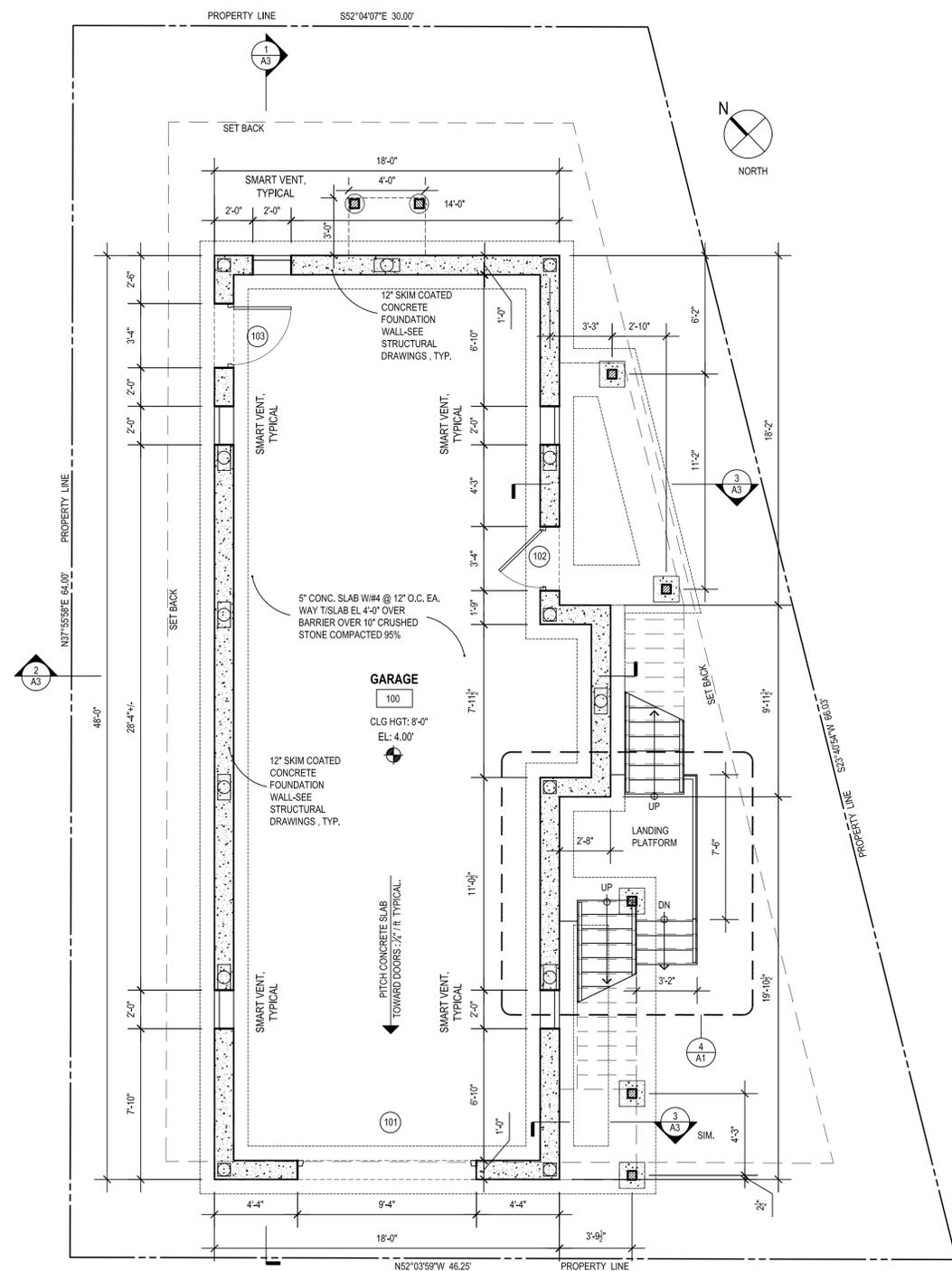
DEGOURSEY RESIDENCE
11 Chetwood Street
Milford, Connecticut 06460

**STATE OF CONNECTICUT
DEPARTMENT OF HOUSING
COMMUNITY DEVELOPMENT BLOCK GRANT
DISASTER RECOVERY PROGRAM
(CDBG-DR)**

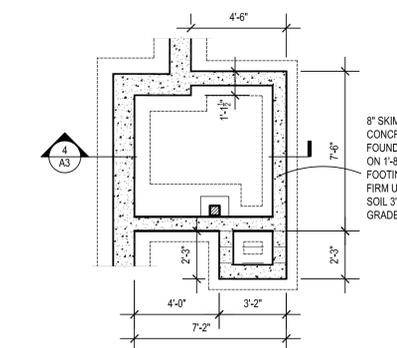
Date:
ISSUED 11/07/2014

Job Number:
Drawn By: R.C.S.

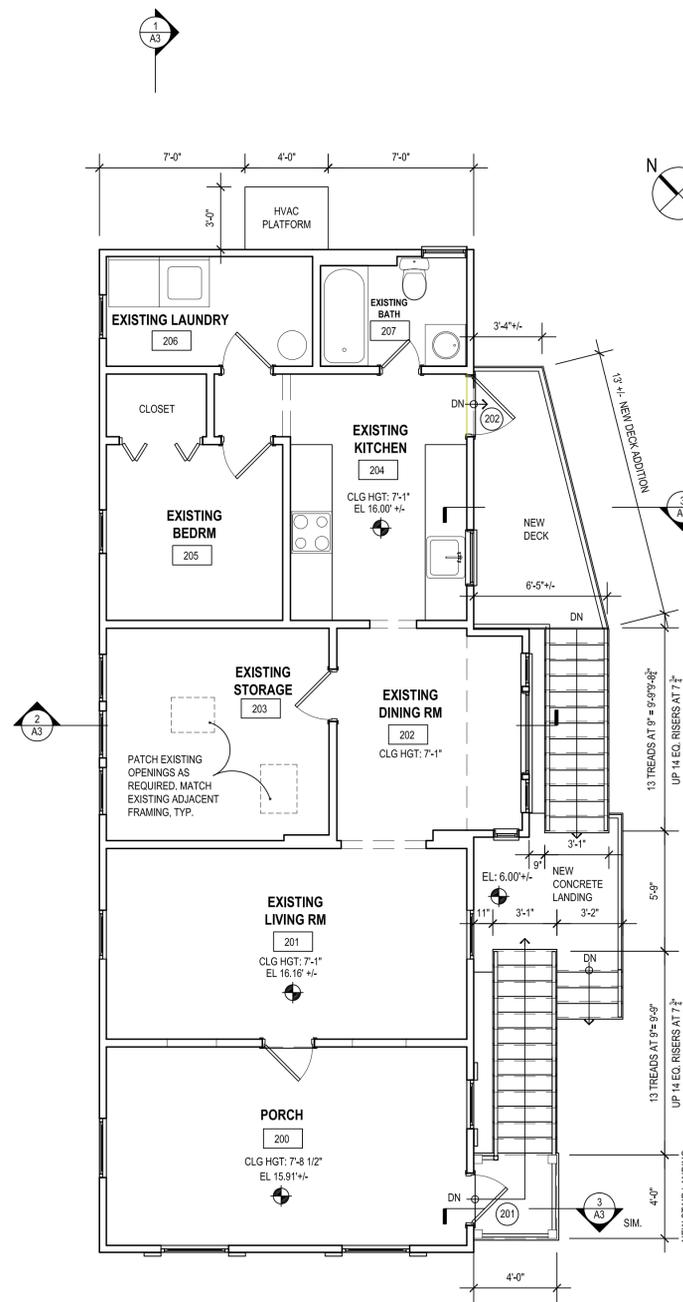
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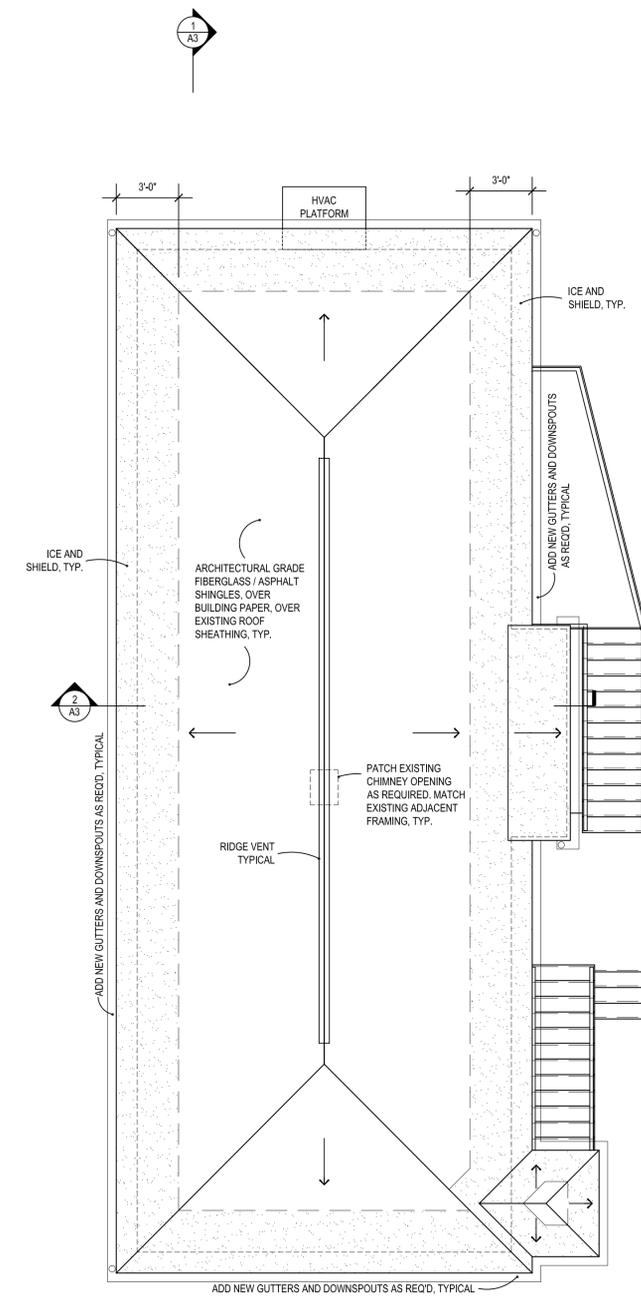
1 FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"



4 LANDING PLATFORM FOUNDATION PLAN
SCALE: 1/4" = 1'-0"



2 SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0"



3 ROOF PLAN
SCALE: 1/4" = 1'-0"

SYMBOL	ROOM	MANUF.	MODEL N.	SIZE WD x HGT	MATERIAL	FINISH	FRAME		DETAILS			REMARKS
							MATERIAL	FINISH	HEAD	JAMB	SILL	
(101)	GARAGE 100	CLOPAY	GENERIC	9-0 x 7-0	VINYL	SHOP PAINT						OVERHEAD DOOR UNIT - PANEL SELECTED BY OWNER
(102)	GARAGE 100	BROSCO	GENERIC	3-0 x 6-8	VINYL	SHOP PAINT						SINGLE DOOR UNIT - PANEL SELECTED BY OWNER
(103)	GARAGE 100	BROSCO	GENERIC	3-0 x 6-8	VINYL	SHOP PAINT						SINGLE DOOR UNIT - PANEL SELECTED BY OWNER
(201)	PORCH 200	BROSCO	GENERIC	2-6x 6-8	VINYL	SHOP PAINT						MATCH DIMENSIONS OF EXISTING DOOR
(202)	KITCHEN 204	BROSCO	GENERIC	3-0 x 6-8	VINYL	SHOP PAINT						MATCH DIMENSIONS OF EXISTING DOOR

1. ALL DOOR UNITS LABELED "GENERIC", MODEL NUMBER IS REFERRED TO DOOR PANEL STYLE TO BE SELECTED BY OWNER AND / OR TO MATCH EXISTING DOORS.

WALL PARTITION LEGEND	
	NEW SKIM COATED CONCRETE FOUNDATION WALL
	NEW PARTITION
	EXISTING PARTITION TO REMAIN
	EXISTING WALLS TO BE REMOVED

GENERAL NOTES

- SCOPE OF WORK INCLUDES: ELEVATE EXISTING HOUSE, ADD NEW REINF. CONC. FOUNDATION, ADD NEW DECK AND STAIRS, AND INTERIOR AND STRUCTURAL ALTERATIONS.
- THE WORK DESCRIBED IN THESE DOCUMENTS IS TO MEET HIGHEST QUALITY STANDARDS IN BOTH MATERIAL AND WORKMANSHIP. ANY SUBSTANDARD WORK WILL BE REJECTED.
- ALL WORK SHALL CONFORM TO THE MUNICIPALITY'S APPLICABLE BUILDING CODE, FIRE DEPT REGULATIONS, UTILITY COMPANY REQUIREMENTS, AND THE BEST TRADE PRACTICES.
- BEFORE COMMENCING WORK, THE CONTRACTOR SHALL FILE ALL REQUIRED CERTIFICATES OF INSURANCE WITH THE BUILDING DEPT, OBTAIN ALL REQUIRED PERMITS, AND PAY ALL FEES AS REQUIRED BY GOVERNING MUNICIPAL AGENCIES.
- THE CONTRACTOR SHALL VERIFY ALL DRAWING DIMENSIONS AND FIELD CONDITIONS, AND SHALL REPORT ANY DISCREPANCIES TO THE DESIGNER PRIOR TO COMMENCING WORK.
- MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED, BUT NECESSARY FOR PROPER CONSTRUCTION OF ANY PART OF THE WORK SHALL BE INCLUDED AS IF THEY WERE INDICATED IN THE DRAWING.
- THE CONTRACTOR SHALL COORDINATE ALL WORK PROCEDURES WITH THE REQUIREMENTS OF LOCAL AUTHORITIES.
- THE CONTRACTOR SHALL LAYOUT HIS OWN WORK, AND SHALL PROVIDE ALL DIMENSIONS REQUIRED FOR ALL OTHER TRADES (PLUMBING, ELECTRICAL, ETC.) IF APPLICABLE.
- PLUMBING AND ELECTRICAL WORK SHALL BE PERFORMED BY PERSONS LICENSED IN THEIR TRADES, WHO SHALL ARRANGE FOR AND OBTAIN INSPECTIONS AND REQUIRED SIGNING IF APPLICABLE.
- THE CONTRACTOR UPON COMPLETION OF JOB, SHALL APPLY FOR CERTIFICATE OF OCCUPANCY, AND SHALL ARRANGE FOR BUILDING DEPT INSPECTIONS AND SIGN-OFFS REQUIRED TO OBTAIN CERTIFICATE OF OCCUPANCY.
- MANUFACTURED ARTICLES ARE TO BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS IN ALL CASES. CONTRACTOR SHALL NOTIFY DESIGNER OF ANY CONDITIONS THAT IS IN CONFLICT WITH MANUFACTURER'S SPECIFICATIONS OR INSTRUCTIONS THAT MIGHT VOID A MANUFACTURER'S WARRANTY.
- THE CONTRACTOR SHALL ASSEMBLE IN A BINDER AND PASS ALONG TO THE OWNER ALL EQUIPMENT AND MATERIAL WARRANTIES THAT MAY EXTEND BEYOND THE BASE GUARANTEE PERIOD, AS WELL AS INSTALLATION AND MAINTENANCE INSTRUCTIONS IF APPLICABLE.
- NO SUBSTITUTIONS FOR MATERIALS SPECIFIED HEREIN SHALL BE PERMITTED WITHOUT PRIOR APPROVAL BY ARCHITECT.
- ARCHITECT AND ASSOCIATED CONSULTANTS DISCLAIMS ANY ACTUAL OR CONSEQUENTIAL DAMAGES ARISING FROM THIRD PARTY RELATIONSHIPS. THESE DRAWINGS DO NOT PROVIDE ALL OR ANY SPECIFIC DETAIL IN AREAS INCLUDING BUT NOT LIMITED TO NAILING, GLUING, CAULKING, FLASHING, PAINTING AND WATERPROOFING, OR CRAFTSMANSHIP. G.C. IS RESPONSIBLE TO PROVIDE PROPER SUPERVISED WORKMANSHIP.

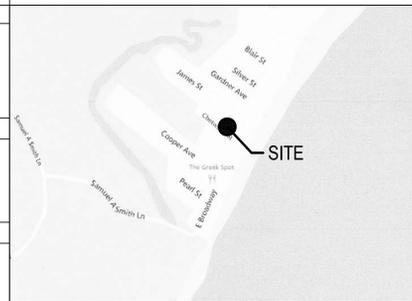
ABBREVIATIONS

AC AIR CONDITIONING	L LENGTH
ACU AIR CONDITIONING UNIT	LAM LAMINATE
AFF ABOVE FINISHED FLOOR	LAV LAVATORY
AHU AIR HANDLING UNIT	LBL LABEL
ALUM ALUMINUM	LBS POUNDS
ANOD ANODIZED	LH LEFT HAND
AT ACOUSTICAL TILE	LN FT LINEAR FEET
BD BOARD	LT LIGHT
BLDG BUILDING	LTG LIGHTING
BO BY OTHERS	MAS MASONRY
CAB CABINET	MAX MAXIMUM
CD CEILING DIFFUSER	MECH MECHANICAL
CFM CUBIC FEET PER MINUTE	MFR MANUFACTURE(R)
< CENTER LINE	MIN MINIMUM
CLG CEILING	MISC MISCELLANEOUS
CLL CONTRACT LIMIT LINE	MM MILLIMETER
CMU CONCRETE MASONRY UNIT	MO MASONRY OPENING
COL COLUMN	MTD MOUNTED
CONC CONCRETE	MTL METAL
CONST CONSTRUCTION	MULL MULLION
CONT CONTINUOUS	MW MILLWORK
CPT CARPET(ED)	NA NOT APPLICABLE
CS COUNTER SINK	NIC NOT IN CONTRACT
CT CERAMIC TILE	NO NUMBER
CTR COUNTER	NOM NOMINAL
CU FT CUBIC FEET	NTS NOT TO SCALE
CU IN CUBIC INCHES	OC ON CENTER
CW COLD WATER (CITY)	OD OUTSIDE DIAMETER
D DEPTH	OPNG OPENING
DEMO DEMOLITION	OPP OPPOSITE
DET DETAIL	PART PARTITION
DF DRINKING FOUNTAIN	PL PLATE
DHW DOMESTIC HOT WATER	PL LAM PLASTIC LAMINATE
DIAG DIAGONAL	PLBG PLUMBING
DIAM DIAMETER	PLYWD PLYWOOD
DIM DIMENSION	PNL PANEL
DN DOWN	PNT PAINT
DR DOOR	PT POINT
	QT QUARRY TILE
DS DOOR STOP	R RISE(R)
DW DISH WASHER	RA RETURN AIR
DWG DRAWING	RAD RADIUS
DWR DRAWER	RD ROOF DRAIN
EA EACH	REF REFERENCE
EF EXHAUST FAN	REINF REINFORCE
EH ELECTRIC HEATER	REM REMOVE
EL.ELEV. ELEVATION	REQD REQUIRED
ELEC ELECTRIC	REV REVISION
EMER EMERGENCY	RH RIGHT HAND
ENG ENGINEER	RM ROOM
EP ELECTRIC PANEL	RO ROUGH OPENING
EQ EQUAL	RPM REVOLUTIONS PER MINUTE
EQUIP EQUIPMENT	SA SUPPLY AIR
EXIST'G EXISTING	SC SOLID CORE
EXP EXPANSION	SHT SHEET
EXT EXTERIOR	SIM SIMILAR
FACT FIN FACTORY FINISH	SP SPEAKER
FBO FURNISHED BY OTHERS	
FE FIRE EXTINGUISHER	SPEC(S) SPECIFICATION(S)
FEC FIRE EXTINGUISHER CABINET	SQ SQUARE
FFE FINISH FLOOR ELEVATION	SQ FT SQUARE FOOT (FEET)
FIN FINISHED	SQ IN SQUARE INCH
FL FLUORESCENT	SS STAINLESS STEEL
FPF FACE OF FINISH	ST STREET
FP FIRE PROOFING	STL STEEL
FPSC FIRE PROOF SOLID CORE	STD STANDARD
FR FIRE RESISTANT	SUSP SUSPENDED
FS FULL SCALE	SYM SYMMETRY(ICAL)
FT FEET	SYS SYSTEM
FTF FINNED TUBE RADIATION	T & G TONGUE & GROOVE
GA GALISE	TEL TELEPHONE
GC GENERAL CONTRACTOR	TEMP TEMPERATURE
GL GLASS	THERM THERMOSTAT
GWB GYPSUM WALLBOARD	THK THICKNESS
HC HOLLOW CORE	THRU THROUGH
HD HEAVY DUTY	TOS TOP OF SLAB
HDW HARDWARE	TR TREAD
HDWD HARDWOOD	TST TOP OF STEEL
HM HOLLOW METAL	TV TELEVISION
HOR HORIZONTAL	TYP TYPICAL
HR HOUR	UON UNLESS OTHERWISE NOTED
HT HEIGHT	V VOLTS
HTG HEATING	VAC VACUUM
HVAC HEATING, VENT, AIR COND.	VCT VINYL COMPOSITE TILE
HWH HOT WATER HEATER	VERT VERTICAL
ID INSIDE DIAMETER	VIF VERIFY IN FIELD
IN INCH	W WIDTH
INCL INCLUDE(ING)	W/O WITHOUT
INFO INFORMATION	WB WOOD BASE
INSUL INSULATION	WC WATER CLOSET
INTR INTERIOR	WD WOOD
INV INVERT	WP WATERPROOF
IRC INTERNATIONAL RESIDENTIAL CODE	WPT WORKING POINT
J-BOX JUNCTION BOX	WR WATER RESISTANT
JT JOINT	WT WEIGHT
KO KNOCK OUT	YD YARD
KPL KICKPLATE	

LIST OF DRAWINGS

ARCHITECTURAL DRAWINGS	STRUCTURAL DRAWINGS
CS COVERSHEET	S-1 STRUCTURAL DETAILS
T-1 TITLE SHEET: GENERAL NOTES, DRAWING LIST, APPLICABLE CODES, SITE MAP, SYMBOL LEGEND, ETC.	S-2 STRUCTURAL DETAILS
Ex-1 EXISTING FLOOR PLANS	S-3 STRUCTURAL PLANS
Ex-2 EXISTING ELEVATIONS	S-4 STRUCTURAL DETAILS
D-1 DEMOLITION	
A-1 FOUNDATION, FIRST FLOOR PLANS	

LOCATION MAP



BUILDING DESIGN DATA

GROUP R-3 FOR SINGLE FAMILY (3) STORY DWELLING	FLOOD ZONE - AE 11:
BUILDING CATEGORY: II	REQUIRED: DFE = 11.00' x 1.25 + 1'-0" FREEBOARD (500-YEAR FLOOD ELEVATION)
CONSTRUCTION TYPE: V	PROPOSED: DFE = 14.75' (TOP OF FOUNDATION)
WIND SPEED 100 MPH [PER IRC 2009 AND 2013 CT AMENDMENTS(AMD)]	DESIGNED FOR 500-YEAR FLOOD BASED ON SHPO & NFIP REGULATORY REQUIREMENTS: FLOOD PLAIN MANAGEMENT REGULATIONS BY LOCAL JURISDICTION AND PER LATEST FIRM FLOOD MAPS & CONSENSUS STANDARDS
WIND IMPORTANCE FACTOR - (Iw)=1.49 - PER TABLE R301.2(3)	
WIND EXPOSURE - "C"	

APPLICABLE CODES

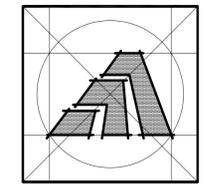
APPLICABLE CODES: 2009 INTERNATIONAL RESIDENTIAL CODE AND CT 2013 AMENDMENTS.	
PER SECTION R301 - DESIGN CRITERIA -	PER SECTION R311 - MEANS OF EGRESS -
R301.1 APPLICATION / MEETS REQUIREMENTS	R311.1 - MEANS OF EGRESS / N/A (EXISTING)
R301.2 - CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA / MEETS REQUIREMENTS	R311.2 - EGRESS DOOR / N/A (EXISTING)
R301.2.1 (AMD) - WIND LIMITATIONS / MEETS REQUIREMENTS	R311.3.1 - FLOOR ELEVATIONS AT THE REQUIRED EGRESS DOOR / N/A (EXISTING)
TABLE R301.2.1(1) (AMD) - CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA: (AMD) - GROUND SNOW LOAD - 30 LBS PSF / PROVIDED (AMD) - WIND SPEED (MPH) - 100 MPH PER APPENDIX R / MEETS REQUIREMENTS (AMD) - SEISMIC DESIGN CATEGORY - CATEGORY B - (N/A) (AMD) - FLOOD HAZARD - AE (AMD) - SUBJECT TO DAMAGE - FROST LINE DEPTH - 42 INCHES / PROVIDED	PER SECTION R312 - GUARDS -
R301.2(2) - COMPONENT AND CLADDING LOADS: Roof Zone 1,2, & 3 - W/ 100 MPH - WIND = 24.59 / -31.29 PRESSURE MAX. (50 D.P. PROVIDED) Wall Zone 4 - W/ 100 MPH - WIND = +26.82 / -29.05 PRESSURE MAX. (50 D.P. PROVIDED) Wall Zone 5 - W/ 100 MPH - WIND = 26.82 / -35.9 PRESSURE MAX. (50 D.P. PROVIDED)	R312.1 - WHERE REQUIRED / PROVIDED
R301.2(3) - HEIGHT AND EXPOSURE COEFFICIENTS FOR TABLE R301.2(2): 1.49 ADJUSTMENT PROVIDED	R312.2 - HEIGHT / MEETS REQUIREMENTS
R301.2.1.4 (AMD) - EXPOSURE CATEGORY / EXPOSURE C	R312.3 - OPENING LIMITATIONS / MEETS REQUIREMENTS
R301.4 - DEAD LOADS & R301.5 - LIVE LOADS - ATTIC FLOOR: 10 PSF DL / 20 PSF SL / PROVIDED ONLY FOR NEW MECH. AREA. SECOND / MAIN FLOOR: 10 PSF DL / 40 PSF LL / NEW FLOOR BEAMS PROVIDED DECK FLOOR: 10 PSF DL / 40 PSF LL / PROVIDED	PER SECTION R313 - AUTOMATIC FIRE SPRINKLER SYSTEM -
R301.6 (AMD) - ROOF LOAD - EXISTING	R313.2 (AMD) - ONE AND TWO FAMILY DWELLINGS AUTOMATIC FIRE SPRINKLER SYSTEM / N/A (EXISTING)
R301.7 - ALLOWABLE DEFLECTION / N/A	PER SECTION R314 - SMOKE ALARM:
PER SECTION R302 - FIRE-RESISTANT CONSTRUCTION:	R314 - SMOKE ALARMS (PROVIDED)
R302.1 (AMD) - EXTERIOR WALLS - MINIMUM FIRE SEPERATION / EXISTING WALLS - NO RATING REQUIRED NEW DECKS AND STAIRS / MEET 5'-0" REQUIREMENTS - NO RATING REQUIRED	R314.4 (AMD) - POWER SOURCE (MEETS REQUIREMENTS)
PER SECTION R303 - LIGHT, VENTILATION AND HEATING / MEETS REQUIREMENTS	PER SECTION R315 - CARBON MONOXIDE ALARM:
PER SECTION R304 - MINIMUM ROOM AREAS / MEETS REQUIREMENTS	R315.1 (AMD) - CARBON MONOXIDE ALARMS (PROVIDED)
PER SECTION R305 - CEILING HEIGHTS / MEETS REQUIREMENTS	PER SECTION R316 - FOAM PLASTIC:
PER SECTION R306 - SANITATION / MEETS REQUIREMENTS (BACKFLOW VALVE PROVIDED)	R316.4 - THERMAL BARRIER / N/A
PER SECTION R307 - TOILET, BATH AND SHOWER SPACES / MEETS REQUIREMENTS	PER SECTION R317 - PROTECTION OF WOOD AND WOOD BASED PRODUCTS AGAINST DECAY:
PER SECTION R308 - GLAZING -	R317.1 - LOCATION REQUIRED (MEETS REQUIREMENTS)
R308.4 - HAZARDOUS LOCATIONS / TEMPERED WINDOWS PROVIDED	PER SECTION R318 - PROTECTION AGAINST SUBTERRANEAN TERMITES:
PER SECTION R309 - GARAGES -	R318.1 - SUBTERRANEAN TERMITE CONTROL METHODS (METHOD #3 PROVIDED)
R309.1 - FLOOR SURFACE / MEETS REQUIREMENTS	PER SECTION R319 - SITE ADDRESS:
R309.3 - FLOOD HAZARD AREAS / MEETS REQUIREMENTS	R319.1 - ADDRESS NUMBERS (MEETS REQUIREMENTS)
R309.4 - AUTOMATIC GARAGE DOOR OPENERS / MEETS REQUIREMENTS	PER SECTION R320 - ACCESSIBILITY:
PER SECTION R310 - EMERGENCY ESCAPE AND RESCUE OPENINGS -	R320.1 - SCOPE (NOT REQUIRED / NOT PROVIDED)
R310.1 - EMERGENCY ESCAPE AND RESCUE REQUIRED / N/A (EXISTING)	PER SECTION R321 - ELEVATORS AND PLATFORM LIFTS: (NOT REQUIRED / NOT PROVIDED)
R310.1.1 - MINIMUM OPENING AREA / PROVIDED IN EACH BEDROOM 5.7 REQ'D / N/A (EXISTING)	PER SECTION R322 - FLOOD-RESISTANT CONSTRUCTION:
	R322.1 - GENERAL (COMPLIES)
	R322.1.2 - STRUCTURAL SYSTEM (PROVIDED)
	R322.1.3 - FLOOD-RESISTANT CONSTRUCTION (MEETS REQUIREMENTS)
	R322.1.4 - ESTABLISHING THE DESIGN FLOOD ELEVATION - 100-YEAR REQUIRED (AE 11' + 1'-0" FREEBOARD)
	R322.1.4.1 - DETERMINATION OF THE DESIGN FLOOD ELEVATION (500-YEAR FLOOD PROVIDED)
	R322.1.5 - LOWEST FLOOR (EXCEEDS MIN. REQUIREMENTS)
	R322.1.6 - PROTECTION OF MECHANICAL AND ELECTRICAL (PROVIDED)
	R322.1.7 - PROTECTION OF WATER SUPPLY AND SANITARY SEWAGE SYSTEMS (PROVIDED)
	R322.1.8 - FLOOD RESISTANT MATERIALS (PROVIDED)
	R322.1.10 - AS-BUILT ELEVATION DOCUMENTATION (PROVIDED)
	R322.2.1 - ELEVATION REQUIREMENTS (PROVIDED)
	R322.2.2 - ENCLOSED AREA BELOW DESIGN FLOOD ELEVATION (MEETS #1 REQUIREMENTS)
	R322.2.3 - FOUNDATION DESIGN AND CONSTRUCTION (MEETS REQUIREMENTS)
	R322.3.4 - WALLS BELOW DESIGN FLOOD ELEVATION (MEETS REQUIREMENTS)
	R322.3.5 - ENCLOSED AREAS BELOW DESIGN FLOOD ELEVATION (MEETS REQUIREMENTS)
	R322.3.6 - CONSTRUCTION DOCUMENTS (MEETS REQUIREMENTS)

PROJECT DATA

OWNER:	CHARLES & BARBARA DEGOURSEY 11 CHETWOOD STREET MILFORD, CONNECTICUT 06460
SITE LOCATION:	11 CHETWOOD STREET MILFORD, CONNECTICUT 06460

LEGEND

	GRAVEL
	CONCRETE
	MORTAR, GROUT
	STEEL
	FRAMING LUMBER
	HARDWOOD
	PLYWOOD
	BATT INSULATION
	GYPSUM WALLBOARD
	KEY NOTE
	DETAIL DRAWING NO.
	BUILDING SECTION
	WALL SECTION
	SECTION DETAIL
	COLUMN GRID
	PLAN / WALL DETAIL
	INTERIOR ELEVATION DRAWING NO.
	DATUM POINT (ELEVATION)
	DOOR NUMBER
	WINDOW NUMBER
	PARTITION TYPE
	REVISION FLAG
	REFERENCE KEY
	REMOVAL NOTE
	ROOM NUMBER
	EQUIPMENT TYPE
	CABINET TYPE
	CARBON MONOXIDE DETECTOR
	SMOKE DETECTOR (HARD WIRE)
	HEAT DETECTOR (HARD WIRE)
	CEILING FAN/LIGHT



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Sheet Title:

TITLE SHEET

APPLICATION # 1198

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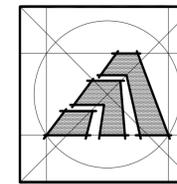
**STATE OF CONNECTICUT
DEPARTMENT OF HOUSING
COMMUNITY DEVELOPMENT BLOCK GRANT
DISASTER RECOVERY PROGRAM
OWNER OCCUPIED REHABILITATION
AND REBUILDING PROGRAM (OORR)**

Date: 11/03/2014

Project Number: 1198
Drawn By: R.A.A.

Sheet Number:

T1



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Sheet Title:
EXTERIOR ELEVATIONS

APPLICATION # 1198

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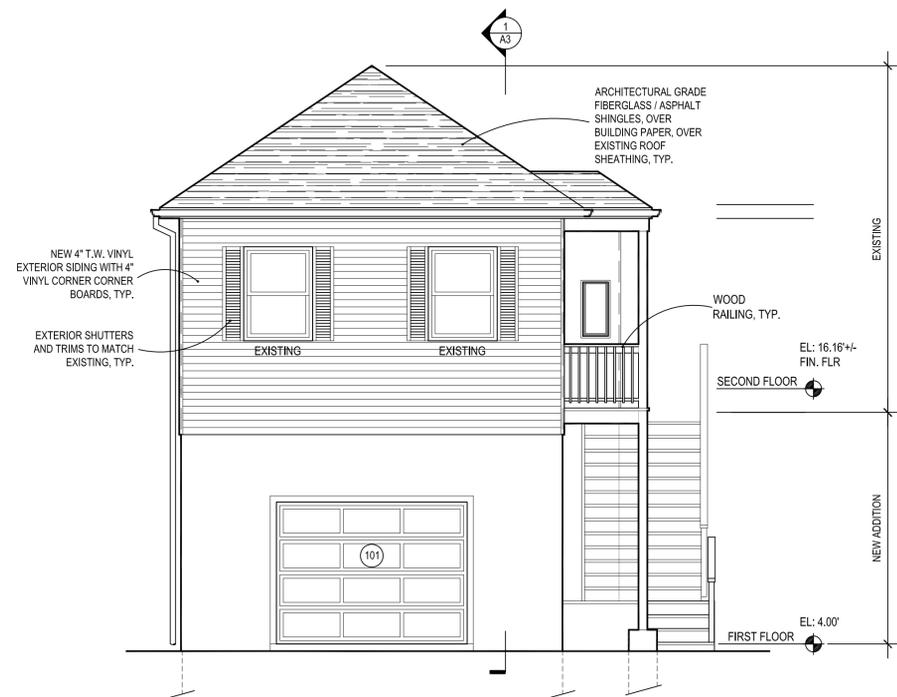
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STATE OF CONNECTICUT
DEPARTMENT OF HOUSING
COMMUNITY DEVELOPMENT BLOCK GRANT
DISASTER RECOVERY PROGRAM
(CDBG-DR)

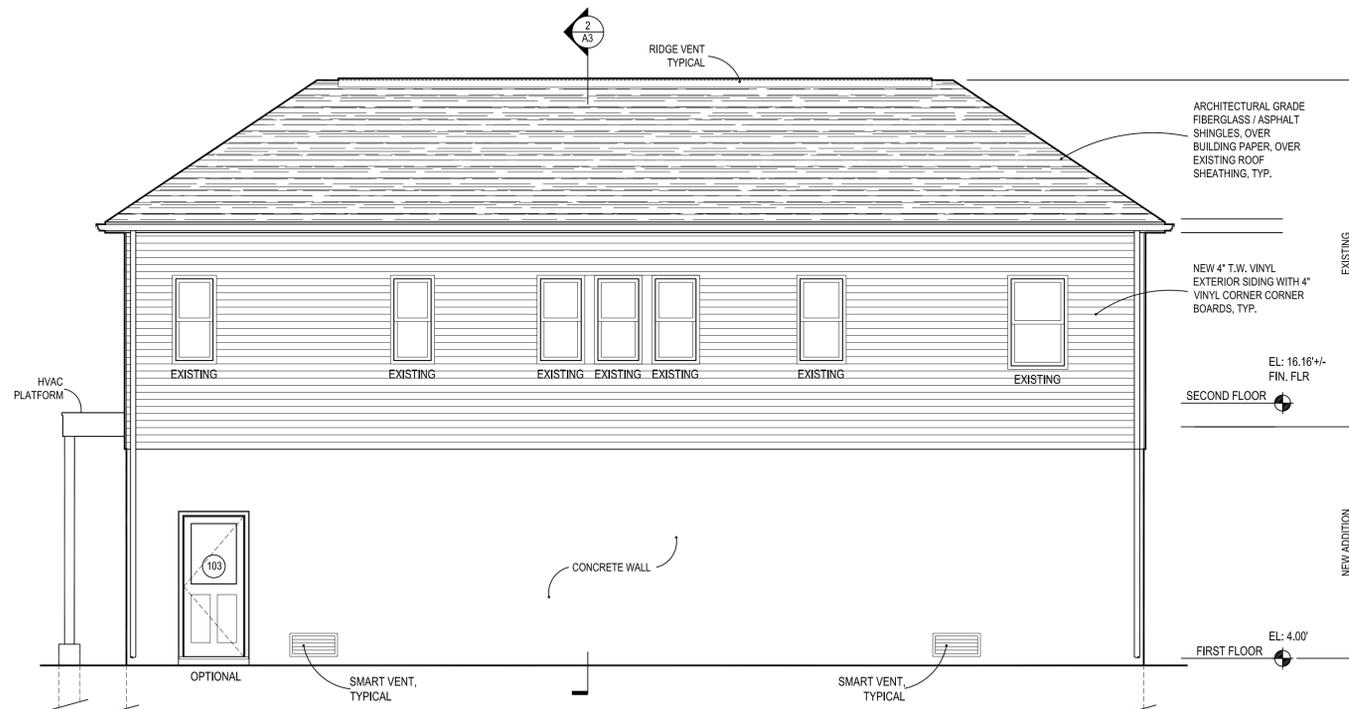
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ISSUED 11/07/2014

Job Number:
Drawn By: R.C.S.

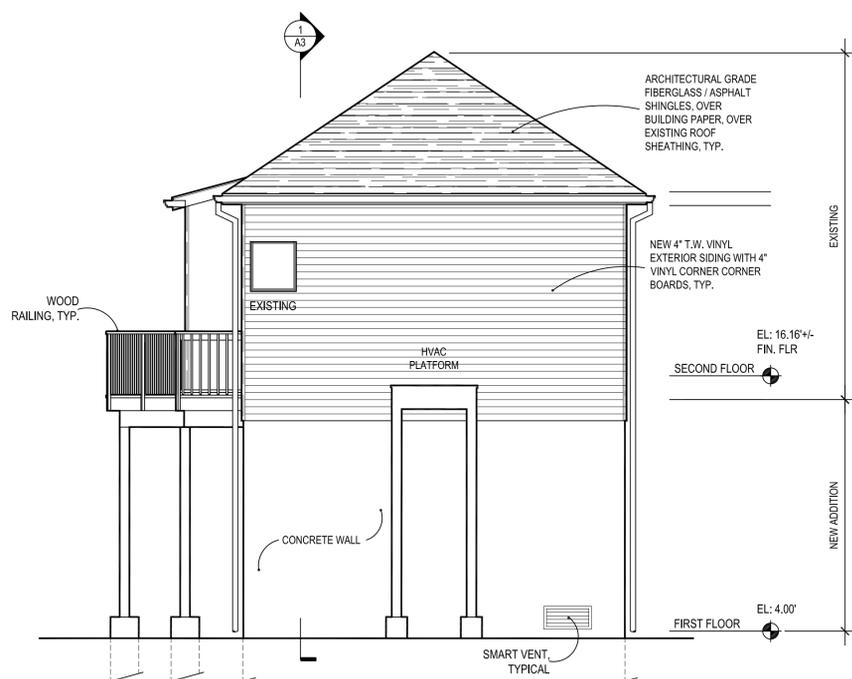
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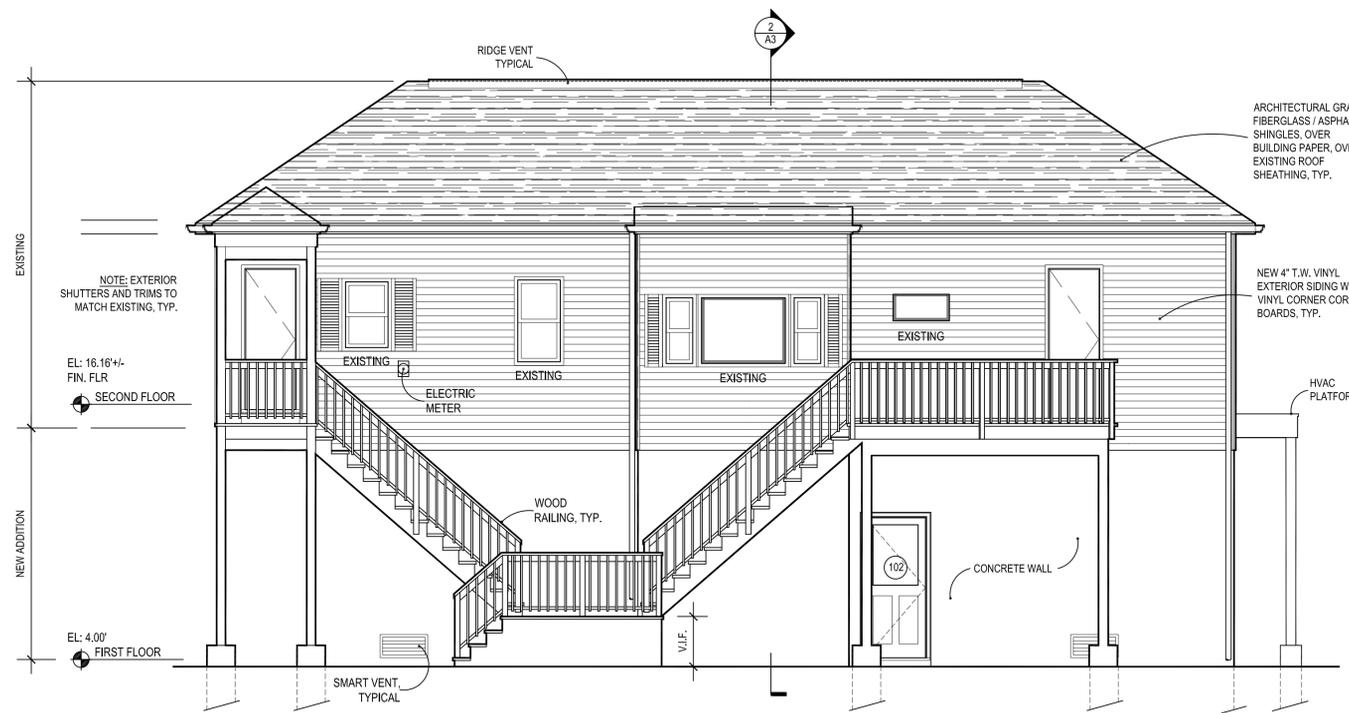
1 FRONT ELEVATION
A2 SCALE: 1/4" = 1'-0"



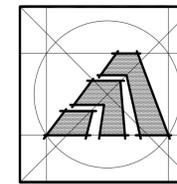
2 LEFT SIDE ELEVATION
A2 SCALE: 1/4" = 1'-0"



3 REAR ELEVATION
A2 SCALE: 1/4" = 1'-0"



4 RIGHT SIDE ELEVATION
A2 SCALE: 1/4" = 1'-0"



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Sheet Title:
SECTIONS / DETAILS

APPLICATION # 1198

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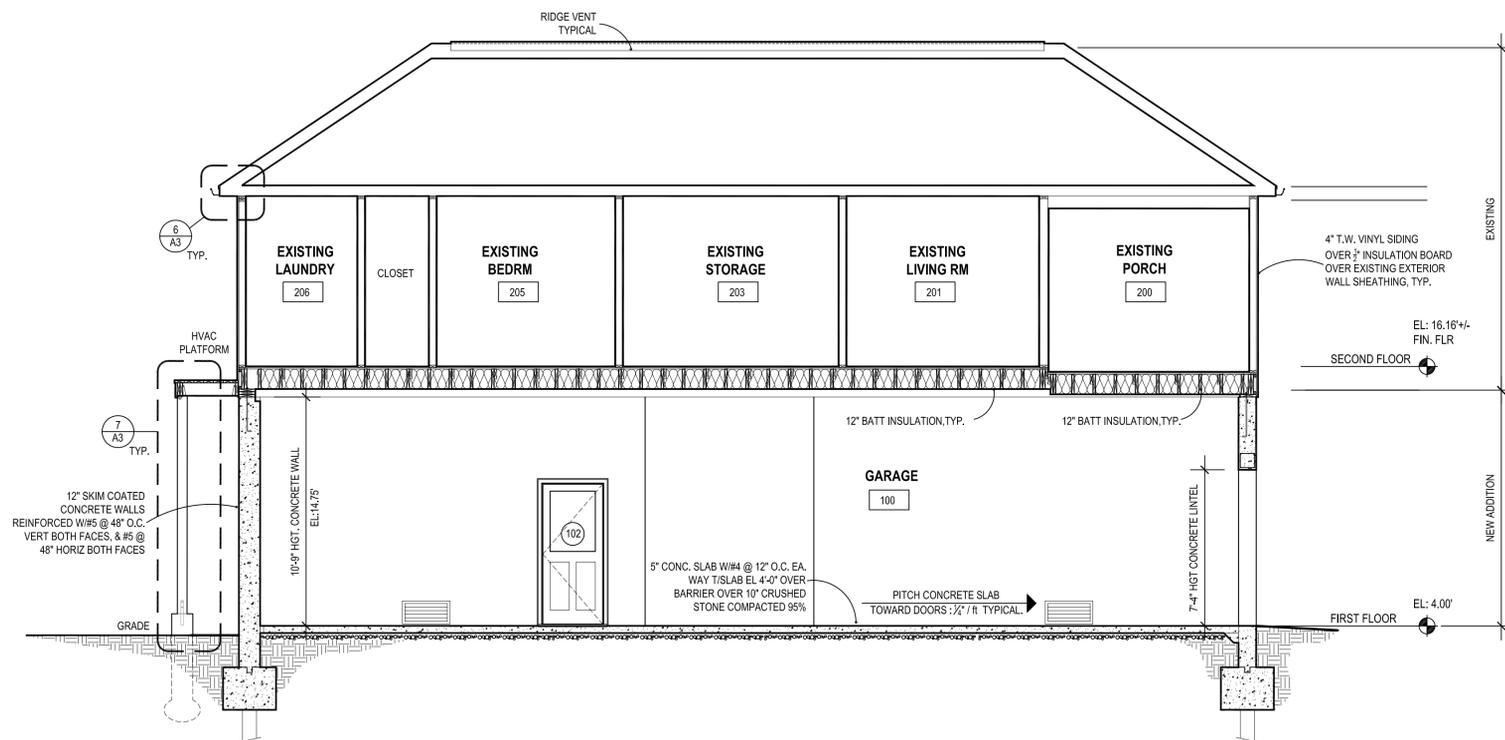
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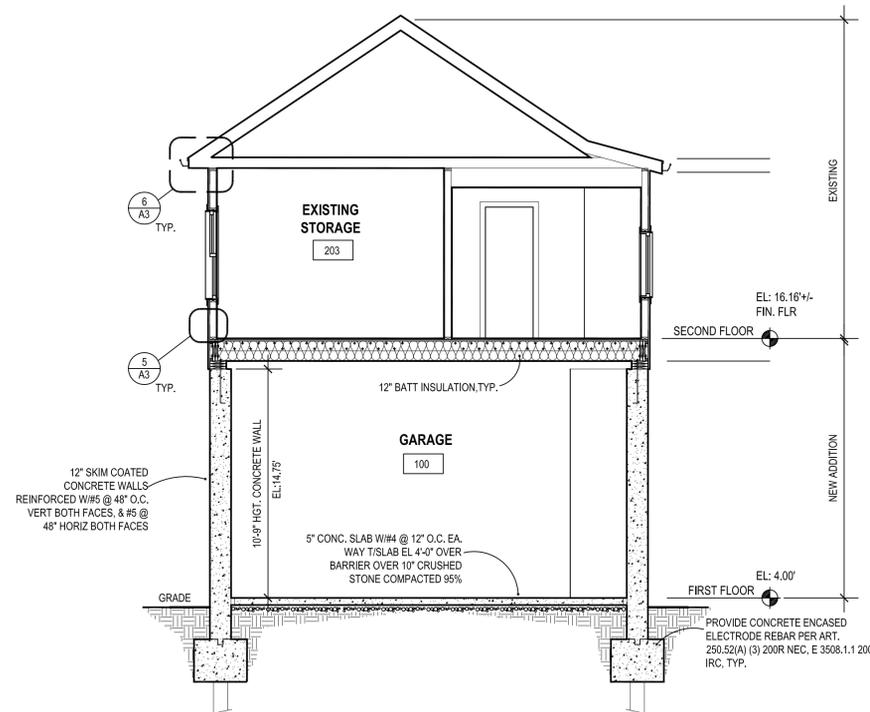
Date:
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Drawn By: R.C.S.

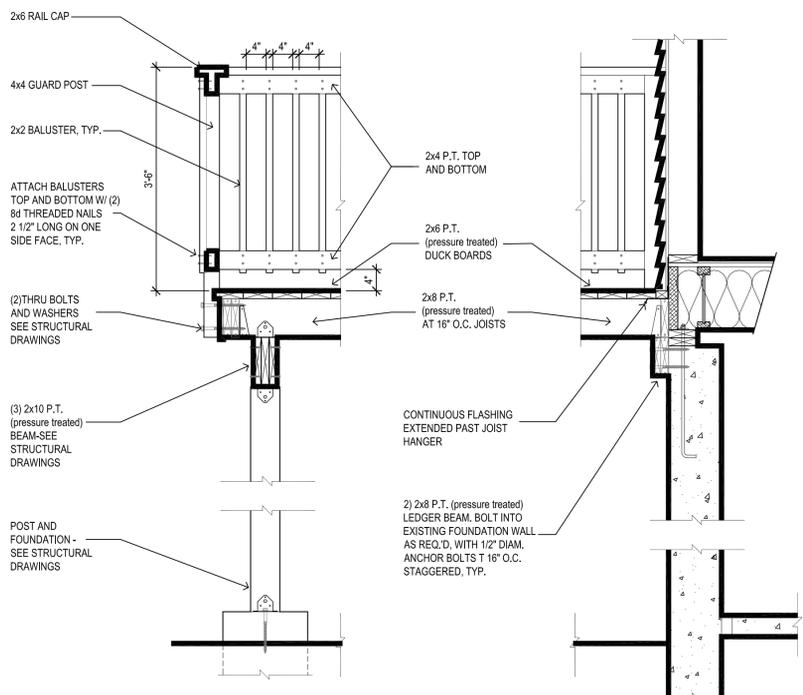
Sheet Number:
A3



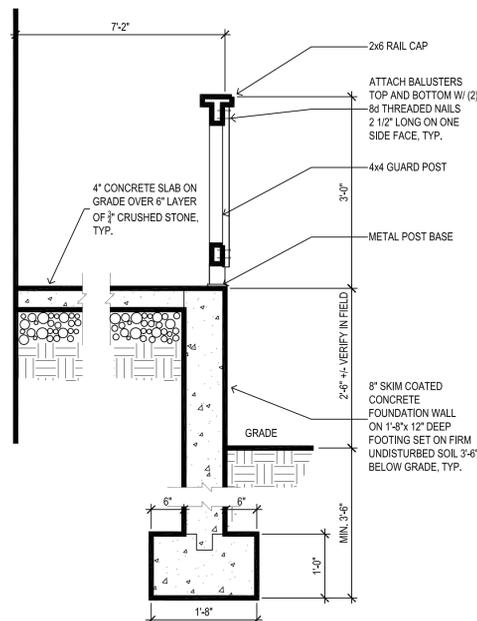
1 BUILDING SECTION
SCALE: 1/4" = 1'-0"



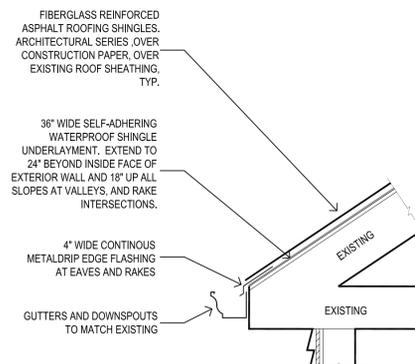
2 BUILDING SECTION
SCALE: 1/4" = 1'-0"



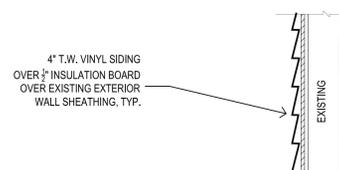
3 Typical Deck Section
SCALE: 3/4" = 1'-0"



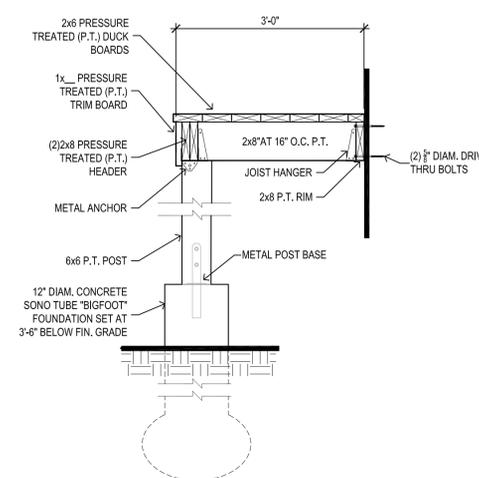
4 Landing Platform Section
SCALE: 3/4" = 1'-0"



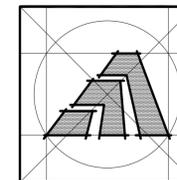
6 Typical Eave Detail
SCALE: 1" = 1'-0"



5 Typical Wall Section
SCALE: 1" = 1'-0"



7 HVAC Platform Section
SCALE: 3/4" = 1'-0"



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ORANGE, CT 06477 FAX: (203) 799 3871

Sheet Title:
DEMOLITION PLANS

APPLICATION # 1198

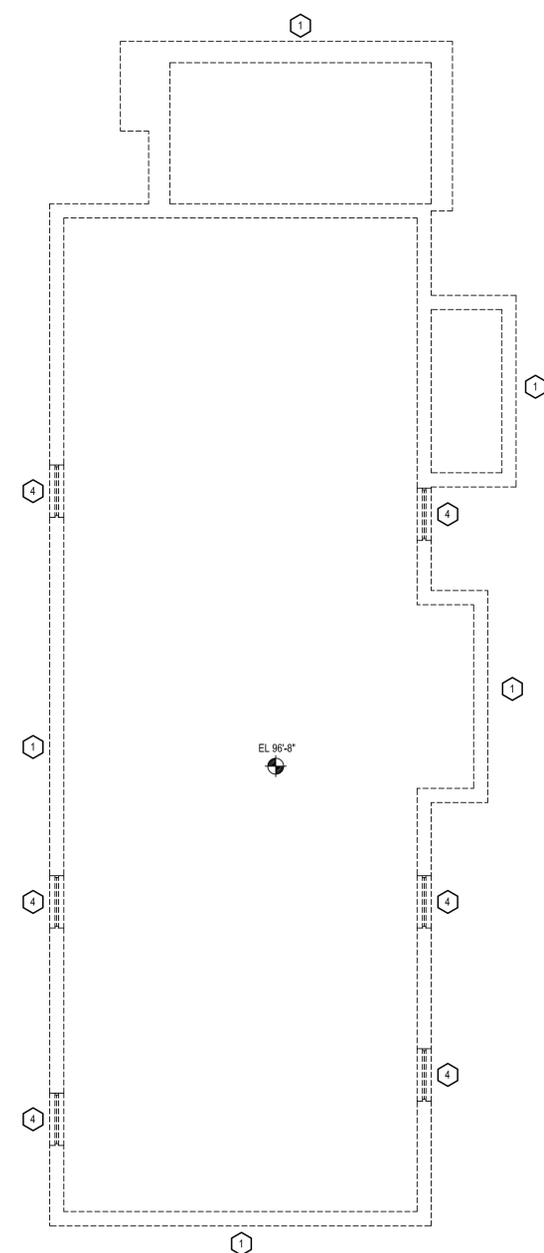
DEGOURSEY RESIDENCE
11 Chetwood Street
Milford, Connecticut 06460

STATE OF CONNECTICUT
DEPARTMENT OF HOUSING
COMMUNITY DEVELOPMENT BLOCK GRANT
DISASTER RECOVERY PROGRAM
(CDBG-DR)

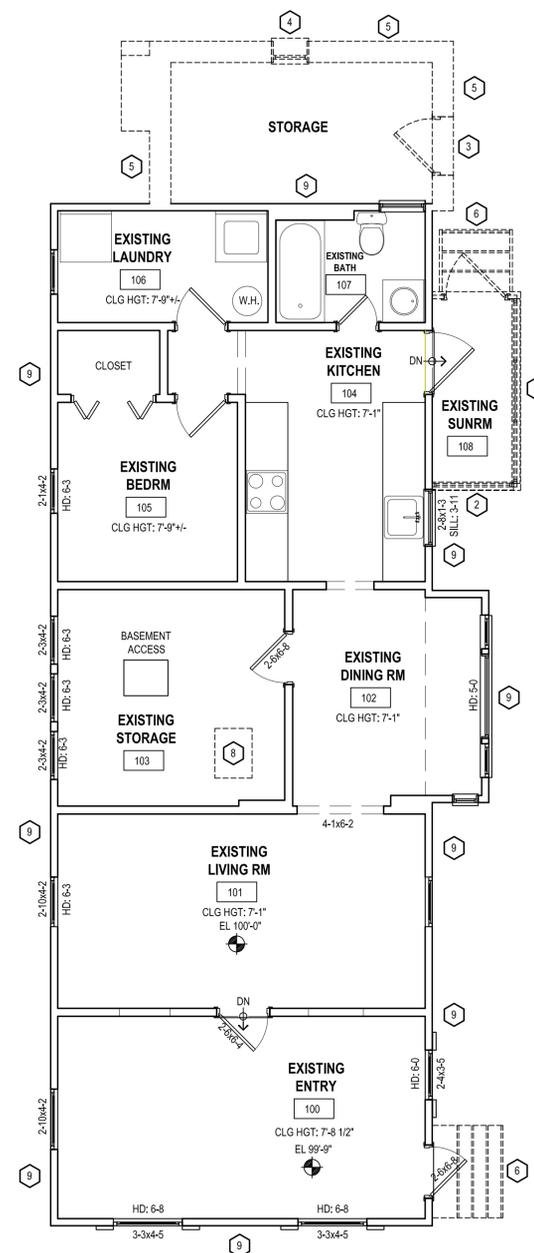
Date:
ISSUED 11/07/2014

Job Number:
Drawn By: R.C.S.

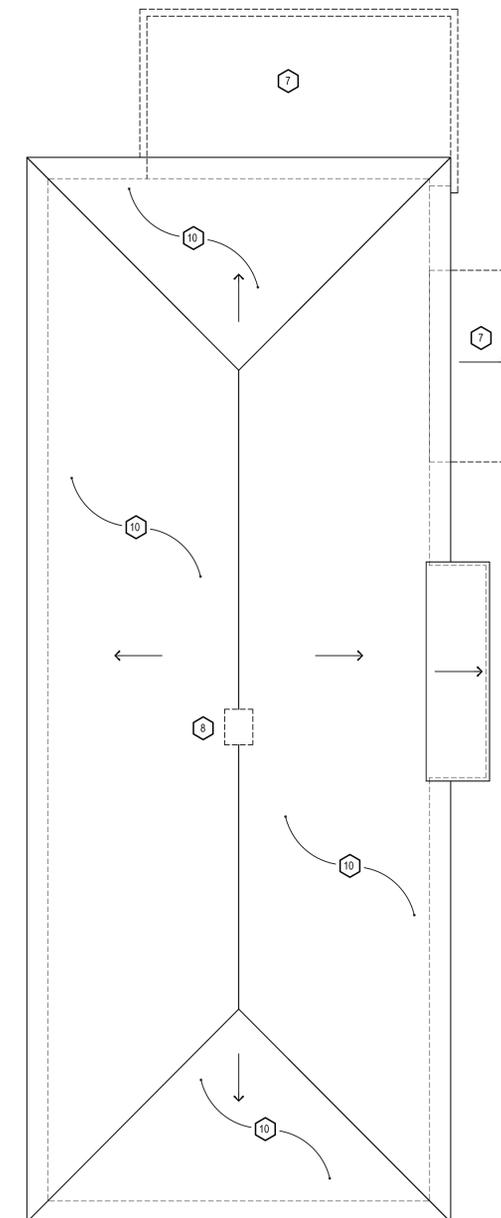
Sheet Number:
D1



1 FOUNDATION DEMO PLAN
D1 SCALE: 1/4" = 1'-0"



2 FIRST FLOOR DEMO PLAN
D1 SCALE: 1/4" = 1'-0"

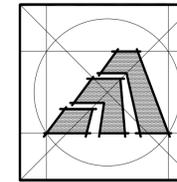


3 ROOF DEMO PLAN
D1 SCALE: 1/4" = 1'-0"

Wall Partition Legend

—	EXISTING PARTITION TO REMAIN
- - - - -	EXISTING WALLS TO BE REMOVED

- Demolition Notes
- 1 REMOVE EXISTING FOUNDATION WALL AS REQUIRED - COORDINATE EXTENT OF DEMOLITION WITH NEW WORK AS DEPICTED IN ALL CONSTRUCTION DOCUMENTS
 - 2 REMOVE EXISTING FRAME CONSTRUCTION PARTITION
 - 3 REMOVE EXISTING DOOR AND FRAME
 - 4 REMOVE EXISTING WINDOW AND FRAME
 - 5 REMOVE EXISTING MASONRY WALL PARTITION
 - 6 REMOVE EXISTING STAIRCASE
 - 7 REMOVE EXISTING ROOF
 - 8 REMOVE EXISTING CHIMNEY
 - 9 REMOVE EXISTING SIDING
 - 10 REMOVE EXISTING ROOFING



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Sheet Title:
EXISTING PLANS

APPLICATION # 1198

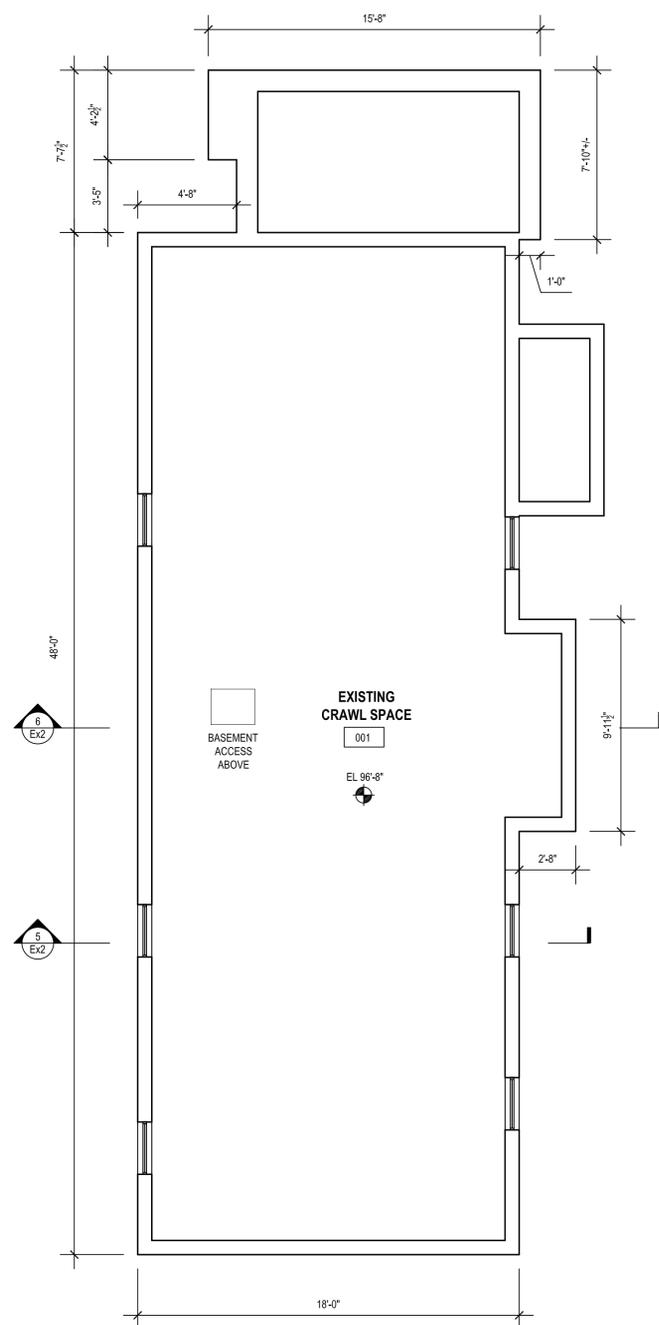
DEGOURSEY RESIDENCE
11 Chetwood Street
Milford, Connecticut 06460

STATE OF CONNECTICUT
DEPARTMENT OF HOUSING
COMMUNITY DEVELOPMENT BLOCK GRANT
DISASTER RECOVERY PROGRAM
(CDBG-DR)

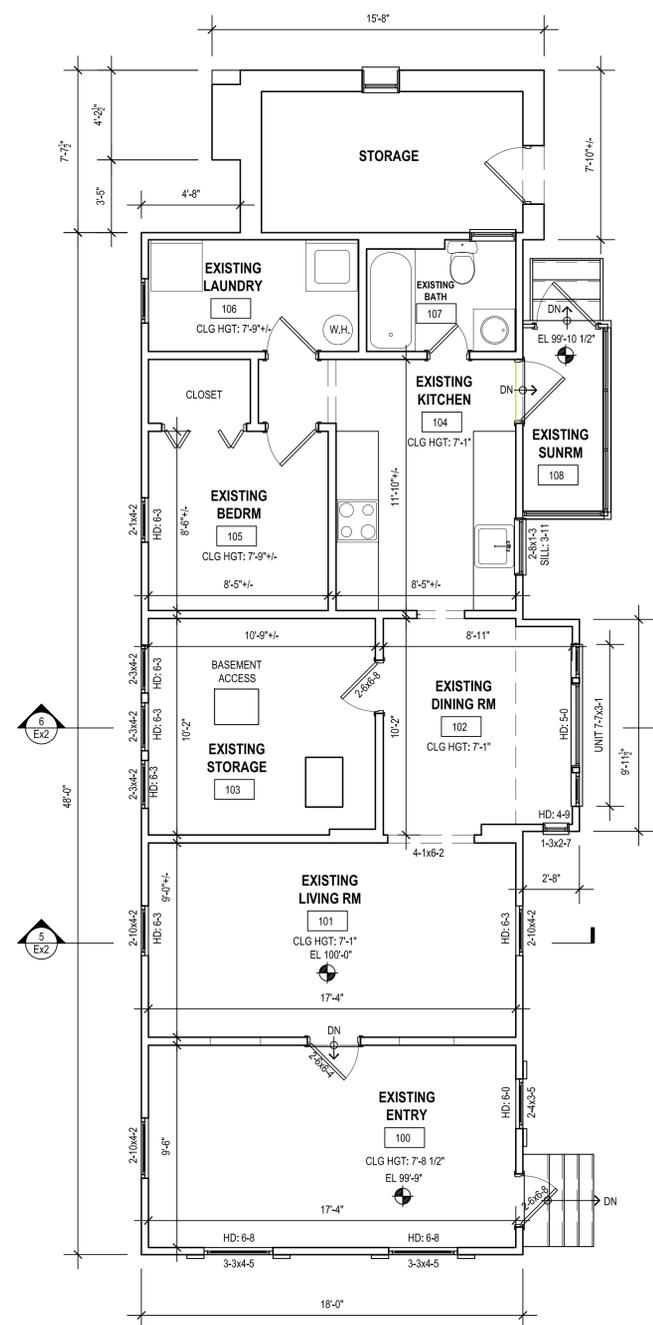
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ISSUED 11/07/2014

Job Number:
Drawn By: R.C.S.

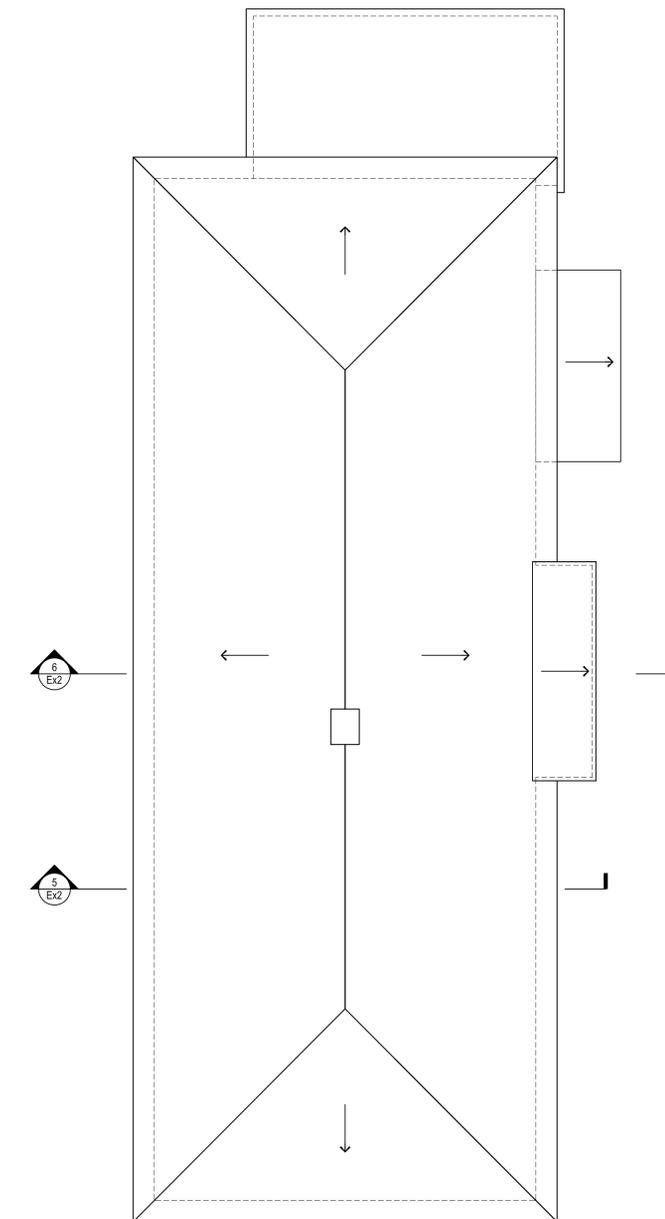
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Ex1



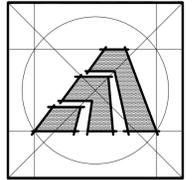
1 EXISTING FOUNDATION PLAN
SCALE: 1/4" = 1'-0"



2 EXISTING FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"



3 EXISTING ROOF PLAN
SCALE: 1/4" = 1'-0"



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Sheet Title:
EXISTING ELEVATIONS

APPLICATION # 1198

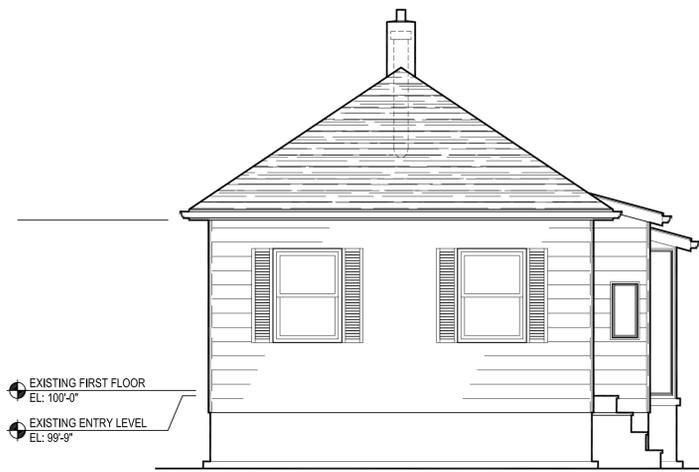
DEGOURSEY RESIDENCE
11 Chetwood Street
Milford, Connecticut 06460

STATE OF CONNECTICUT
DEPARTMENT OF HOUSING
COMMUNITY DEVELOPMENT BLOCK GRANT
DISASTER RECOVERY PROGRAM
(CDBG-DR)

Date:
ISSUED 11/07/2014

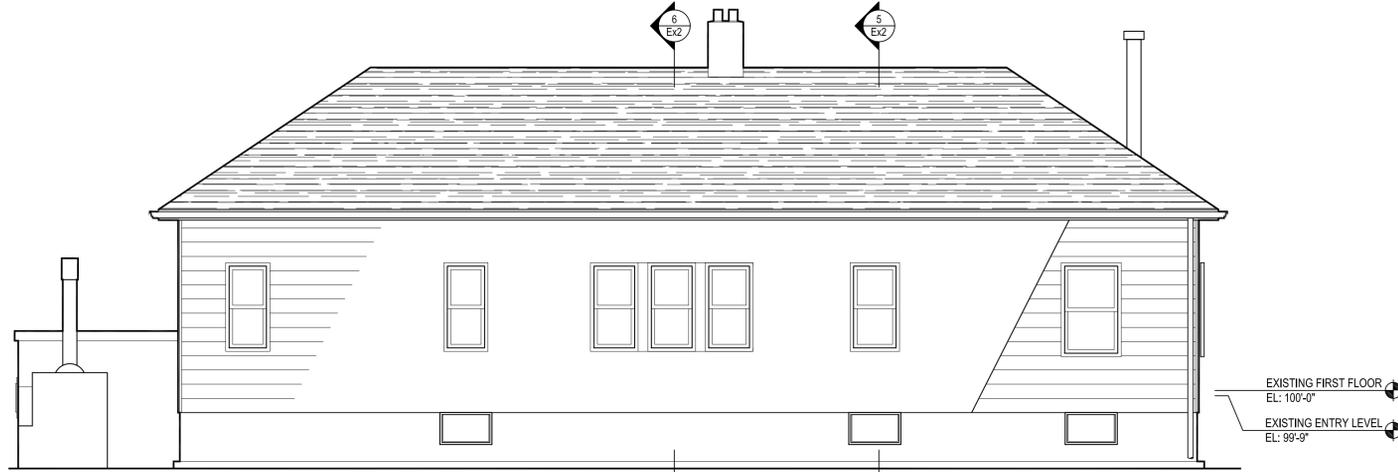
Job Number:
Drawn By: R.C.S.

Sheet Number:
Ex2



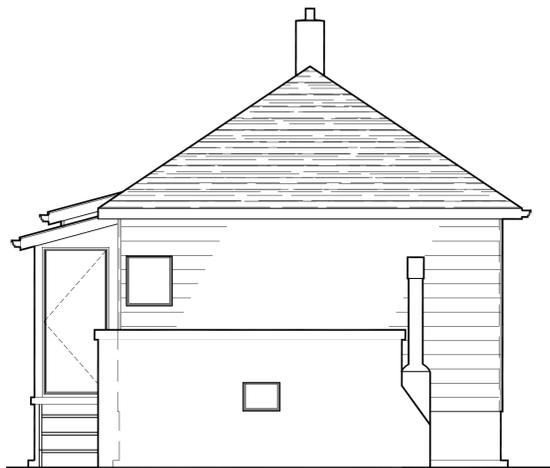
EXISTING FIRST FLOOR
EL: 100'-0"
EXISTING ENTRY LEVEL
EL: 99'-9"

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



EXISTING FIRST FLOOR
EL: 100'-0"
EXISTING ENTRY LEVEL
EL: 99'-9"

2 EXISTING LEFT SIDE ELEVATION
SCALE: 1/4" = 1'-0"



3 EXISTING REAR ELEVATION
SCALE: 1/4" = 1'-0"



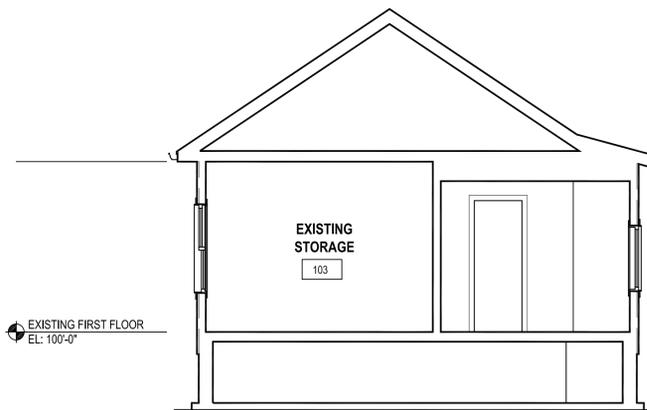
EXISTING FIRST FLOOR
EL: 100'-0"
EXISTING ENTRY LEVEL
EL: 99'-9"

4 EXISTING RIGHT SIDE ELEVATION
SCALE: 1/4" = 1'-0"



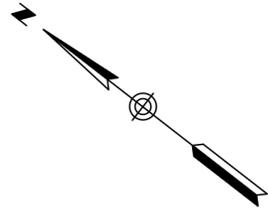
EXISTING FIRST FLOOR
EL: 100'-0"

5 BUILDING SECTION
SCALE: 1/4" = 1'-0"



EXISTING FIRST FLOOR
EL: 100'-0"

6 BUILDING SECTION
SCALE: 1/4" = 1'-0"



Granite Mon. Found

NOTES:

- This map and survey have been prepared pursuant to the Regulations of Connecticut State Agencies Sections 20-300b-1 through 20-300b-20 and "The Minimum Standards for Surveys and Maps in the State of Connecticut" as adopted by the Connecticut Association of Land Surveyors on September 26, 1996.
- The type of survey performed and the mapped features depicted hereon are in accordance with the requirements of a Property/Boundary and Topographic Survey.
- The boundary determination / opinion is based upon a Resurvey of map reference 6A.
- This map conforms to Class A-2 horizontal accuracy, Class T-2 Topographic accuracy and V-2 Vertical accuracy.
- The north arrow, bearings and elevations are based upon the Connecticut State Coordinate System N.A.D. 1983 (2011)(EPOCH 2010.00) and N.A.V.D 1988 respectively holding Town of Milford's benchmarks BM 88-24 with published coordinates N635262.371, E914018.377, elevation 6.34 and BM 88-25 with published coordinates N633802.623, E913249.752, elevation 17.03.
- Map References:
 - "Map of Lots 70-104, Silver Beach owned by George E. Haskins, Milford, Conn.," dated March 16, 1910 prepared by V. B. Clarke; map on file in the Town of Milford Land Records as map A-5.
 - "Map of Lots 70-227, Silver Beach for sale by George E. Haskins, Milford, Conn.," dated June 29, 1910 prepared by V.B. Clarke; map on file in the Town of Milford Land Records as map A-36.
 - "Map of Shore Property, Milford, Conn. owned by C.A. Tomlinson and E.L. James," scale: 1"=30' dated April 12, 1909; map on file in the Town of Milford Land Records as map E-311.
 - "Modified Subdivision, Cluffo Estates, #23 Chetwood Street, Milford, Connecticut," scale: 1"=20' dated June 28, 1994 revised 1/13/1995 prepared by Ronald W. Wassmer, C.C.G./H.C. Tedford Associates; map of file in the Town of Milford Land Records as map AB-2189.
- Parcel is located in Flood Zone AE (base flood elevation determined to be 11) as depicted on "FIRM, Flood Rate Insurance Map, New Haven County, Connecticut, (all jurisdictions), Panel 529 of 635, Milford, City of," Map Number 09003C0529J, map revised July 8, 2013.
- Parcel is depicted on the City of Milford Tax Assessor's Map 22, Block 456 as Lot 53.
- The underground utilities depicted hereon have been compile from observable evidence, such as manholes, catch basins and water gates. These location must be considered as approximate in nature. Additionally, other such features may exist on the sites, the existence of which is unknown to Loureiro Engineering Associates, Inc. (LEA). The size, location and existence of all such features must be field determined and verified by the appropriate authorities prior to construction. Call Be-For-You-Dig at 1-800-922-4455 or 811.

GENERAL NOTES:

- Prior to demolition, all erosion control barriers shall be placed in accordance with the Town of Milford's requirements and shall be left in place and maintained until the work has been completed and surfaces stabilized.
- It shall be the responsibility of the contractor to monitor the condition of the erosion control structures. If the effectiveness or integrity of the structures is found to be insufficient or if the structures are damaged in any way, the contractor shall make whatever repairs are necessary to ensure that proper erosion control is maintained.
- If additional erosion and sedimentation control structures are necessary to minimize erosion and sedimentation as determined in the field, the contractor shall install structures as required at the contractors expense.
- All debris from the demolition and any required environmental mitigation such as asbestos abatement or other hazardous building material shall be immediately removed from the site at the contractor's expense. All materials shall be disposed of off site at an approved facility.
- Contractor to contact all utility companies to shut-off or disconnects existing services prior to construction.
- Removal existing overhead and re-attachment to be in accordance with United Illuminating Company specifications.
- Shut-off/disconnection of existing gas service and installation of new gas meter and service lateral per Southern Connecticut Gas Company Specifications.
- Disconnect existing sanitary sewer lateral. Protect end from debris and construction activities. Reconnect with new service lateral.
- No stockpile of any material will be permitted to the rear of the site.
- The agent or or agents responsible for and implementing the erosion control measures to be determined upon selection of a contractor. Contact information to be provided to the City of Milford prior to construction.
- Prior to issuance of a Building Permit, details of the apron, sidewalk and residential inspection riser shall be presented to City of Milford Planning and Zoning for approval.
- Permits from the City of Milford Engineering department required for driveway apron, sidewalk, and for sanitary work prior to construction.

To my knowledge and belief, this map is substantially correct as noted hereon.

Edward G. Shelomis, P.E., L.S. #9266

8 James Street
N/F
Jerry C. Bencivenga
Vol. 981 Pg. 68

766 East Broadway
N/F
Lisa Campbell Klemenz
Vol. 3258 Pg. 307

764 East Broadway
N/F
Sharon Warner
Vol. 3290 Pg. 23

762 East Broadway
N/F
Maggilator LLC
Vol. 3169 Pg. 563

15 Chetwood Street
N/F
Valerie R. Carter
Vol. 2749 Pg. 169

EXISTING STRUCTURE RAISED
SLAB ELEV.=4.0
T.W. ELEV.=14.75

CHETWOOD STREET

LEGEND

- Property Corner
- Rebar Found
- Property Line
- - - Setback Line
- x- Chain Link Fence
- Wooden Fence
- G Existing Gas Service
- w Existing Watermain
- Existing Concrete Surface
- Proposed Erosion Control Barrier
- // Proposed Aerial Electric Service
- w Proposed Water Service Lateral
- s Proposed Sanitary Sewer Service

ZONING TABLE - R-5 ZONE

	Required	Existing	Proposed
Min. Lot Area	5,000 S.F.	2,440± S.F.	No Change
Min. Setbacks			
Front Yard	10'	3.3'	4.1'
Side Yard	5' & 10'	6.7'	7.4'
Rear Yard	20'-0"	11.9'	11.9'
Max. Height (Stories)	3	1	2
Max. Height	35	12±	19.2'±
Building Floor Area	45%	43.2%±	36.6%
Lot Coverage	65%	54.9%±	48.2%

- * Including Projections Per 4.1.4)
- ** At Stairs Or Deck (Meets Projection Requirements)
- *** At House

Existing House Living Space = 1,185 S.F.
Proposed House Living Space = 1,176 S.F. (1,144 S.F. 2ND FLOOR, 32 S.F. 1ST FLOOR)



Loureiro Engineering Associates, Inc.
 100 North Main Street • Milford, Connecticut 06460
 Phone: 860-347-6181 • Fax: 860-377-8822
 An Employee Owned Company • www.loureiro.com

DEGOUSEY RESIDENCE
 11 CHETWOOD STREET, MILFORD, CONNECTICUT
 SITE PLAN

SHEET NO. 1 NO. OF SHEETS 1
 DATE 10/22/14
 REV. 1
 DESCRIPTION OF REVISION
 CHANGE TO BLDG ELEVATION

SCALE 1" = 10'
 DATE 01/14/09
 APPROVED BY P.M.C.
 DATE 6/4/2014
 E.G.S.

Edward G. Shelomis, P.E., L.S. #9266

GENERAL NOTES:

1. THE STRUCTURAL PLANS AND SPECIFICATIONS, TO THE BEST OF OUR KNOWLEDGE, COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE 2009 INTERNATIONAL RESIDENTIAL CODE AND THE 2003 INTERNATIONAL BUILDING CODE, LATEST EDITION AS SUPPLEMENTED, AMENDED, AND ADOPTED BY THE STATE OF CONNECTICUT.
2. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE INTERNATIONAL INTERNATIONAL RESIDENTIAL CODE AND THE INTERNATIONAL BUILDING CODE, LATEST EDITION AND ALL APPLICABLE FEDERAL AND STATE CODES, STANDARDS, REGULATIONS, AND LAWS.
3. ALL REFERENCED STANDARDS REFER TO THE EDITION IN FORCE AT THE TIME THESE PLANS AND SPECIFICATIONS ARE ISSUED FOR PERMIT.
4. WORK NOT INDICATED ON A PART OF THE DRAWINGS BUT REASONABLY IMPLIED TO BE SIMILAR TO THAT SHOWN AT CORRESPONDING PLACES SHALL BE REPEATED.
5. IN ANY CASE OF CONFLICT BETWEEN THE NOTES, DETAILS AND SPECIFICATIONS, THE MOST RIGID REQUIREMENTS SHALL GOVERN. CONTRACTOR SHALL MAKE NO DEVIATION FROM DESIGN DRAWINGS WITHOUT WRITTEN APPROVAL OF THE ARCHITECT.
6. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AND COORDINATE WITH ARCHITECTURAL DRAWINGS, DRAWINGS FROM OTHER CONSULTANTS, PROJECT SHOP DRAWINGS AND FIELD CONDITIONS.
7. THE CONTRACTOR SHALL PROTECT EXISTING FACILITIES, STRUCTURES, AND UTILITY LINES FROM ALL DAMAGE.
8. JOB SAFETY AND CONSTRUCTION PROCEDURES ARE THE RESPONSIBILITY OF THE CONTRACTOR.
9. THE BUILDING IS DESIGNED FOR THE FOLLOWING UNIFORMLY DISTRIBUTED LIVE LOADS:
 - (A) SNOW LOAD - BASIC GROUND SNOW LOAD IS 30 PSF WITH APPLICABLE SNOW SHADOWING FACTORS.
 - (B) WIND LOADS - DESIGN WIND SPEED: 100 MPH, EXPOSURE "C" AND IMPORTANCE FACTOR: 1.0.
 - (C) SEISMIC LOADS - NOT APPLICABLE.
10. ALLOWABLE PRESUMPTIVE SOIL BEARING PRESSURE: LESS THAN 1000 PSF.
11. DESIGN STRESSES AND MATERIALS:
 - a. CONCRETE (MINIMUM 28-DAY STRENGTH, NW) FOUNDATION WALLS AND FOOTINGS 3,000 PSI SLABS ON GRADE (INTERIOR) 3,500 PSI
 - b. REINFORCED STEEL - ASTM A615, A616, & A617 Fy = 60 KSI.
 - c. WELDED WIRE FABRIC- ASTM A185 Fy = 60 KSI.
 - d. STRUCTURAL STEEL ROLLED SHAPES - ASTM A572 Fy = 50 KSI.
 - e. STEEL ANGLES & PLATES - ASTM A36 Fy = 36 KSI.
 - f. BOLTS - ASTM A325.
 - g. BRG WALL STUDS No. 2 DOUGLAS FIR W/Fc=1300PSI & Fb=825PSI
 - h. LUMBER NO. 2 DOUGLAS FIR w/Fb = 825 PSI Fv = 90 PSI
 - i. ENGINEERED LUMBER LVL E= 2,000KSI Fb=2600PSI
 - j. ENGINEERED LUMBER LSL E= 1,500KSI Fb=2250PSI
 - k. PLYWOOD WALL & ROOF SHEATHING - APA RATED SHEATHING 32/16

FOUNDATION NOTES:

1. DOWELS FROM FOOTINGS INTO PIERS AND WALLS ABOVE, SHALL BE THE SAME SIZE AND NUMBER AS VERTICAL REINFORCEMENT IN PIERS AND WALLS, AND SHALL BE EXTENDED LITE INTO FOOTINGS AND LITS INTO PIERS AND WALLS UNLESS OTHERWISE SHOWN.
2. DROP BOTTOM OF WALLS AND PIERS TO TOP OF FOOTINGS, TO OBTAIN FULL EXTENT OF CONTACT, UNLESS OTHERWISE SHOWN.
3. CENTERLINE OF FOOTINGS AND CENTERLINE OF WALLS, PIERS, COLUMNS, AND BEAMS SHALL BE THE SAME UNLESS OTHERWISE NOTED.
4. NO BACK FILLING SHALL BE DONE AGAINST FOUNDATION AND RETAINING WALLS UNTIL CONCRETE HAS ATTAINED AT LEAST 75% OF ITS 28 DAY STRENGTH. BEFORE BACK FILLING, PROVIDE BRACING FOR WALLS SUSTAINING MORE THAN 3 FEET OF EARTH PRESSURE. THIS BRACING SHALL REMAIN IN PLACE UNTIL ALL SLABS AND BEAMS FRAMING INTO WALL (INCLUDING SLAB ON GRADE) HAVE BEEN PLACED AND SET.
6. CONTRACTOR SHALL BE RESPONSIBLE TO ADEQUATELY PROTECT ALL EXCAVATION SLOPES. WHERE NECESSARY SHEETING AND SHORING OF EXCAVATION SHALL BE PROVIDED WITH ALL REQUIRED TIE BACKS AND BRACING.
7. THE MAXIMUM SLOPE BETWEEN TWO ADJACENT FOOTINGS SHALL NOT EXCEED 2 HORIZONTAL TO 1 VERTICAL.
8. COMPACTION SHALL BE CONTROLLED BY A QUALIFIED TESTING LABORATORY OR GEO-TECHNICAL ENGINEER. TAKE A MINIMUM OF ONE FIELD DENSITY TEST (ASTM D-1557 OR D-2922) FOR EACH LAYER. LOCATION OF TEST SHALL BE RANDOMLY SELECTED BY TESTING AGENCY.
9. FOOTINGS ADJACENT TO EXISTING BUILDING FOUNDATIONS SHALL BE DROPPED TO MATCH BOTTOM OF NEW FOOTING TO BOTTOM OF EXISTING.

REINFORCED CONCRETE NOTES:

1. STRUCTURAL CONCRETE AND CONCRETING PRACTICES SHALL CONFORM WITH ACI-318- 02, "AMERICAN CONCRETE INSTITUTE, BUILDING CODE FOR REINFORCED CONCRETE." DETAILS SHALL BE IN ACCORDANCE WITH ACI-135, "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" UNLESS OTHERWISE NOTED ON THE DRAWINGS.
2. ALL STRUCTURAL CONCRETE SHALL BE NORMAL WEIGHT STONE CONCRETE. CONCRETE FOR FOOTINGS, PIERS, GRADE BEAMS, FOUNDATION WALLS, PILE CAPS, SLABS ON GRADE, AND RETAINING WALLS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS UNLESS OTHERWISE NOTED ON THE DRAWINGS.
3. ALL EXPOSED CONCRETE SHALL HAVE AN AIR ENTRAINING AGENT.
4. ALL REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60.
5. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185. CHAIR OR LIFT WIRE FABRIC DURING CONCRETE PLACEMENT TO INSURE PROPER POSITION IN SLAB.
6. ALL REINFORCEMENT SHALL BE SECURELY HELD IN PLACE WHILE PLACING CONCRETE. IF REQUIRED ADDITIONAL BARS OR STIRRUPS SHALL BE PROVIDED BY THE CONTRACTOR TO FURNISH SUPPORT OR ALL BARS.
7. ALL REINFORCING BARS, SHALL BE LAPPED AS SPECIFICALLY DETAILED ON DRAWINGS. WHERE NOT SPECIFICALLY INDICATED ON THE DRAWINGS, ALL REINFORCING BARS SHALL BE LAPPED USING THE TENSION SPLICE LENGTHS IN THE SCHEDULE ON DRAWINGS. LAP WALL TOP HORIZONTAL REINFORCEMENT AT CENTER OF SPAN. LAP WALL BOTTOM HORIZONTAL REINFORCEMENT AT SUPPORT. LAP INSIDE FACE WALL VERTICAL REINFORCEMENT AT SUPPORT. LAP OUTSIDE FACE VERTICAL WALL REINFORCEMENT AT MID-HEIGHT OF WALL. UNLESS OTHERWISE NOTED TERMINATE CONTINUOUS BARS AT DISCONTINUOUS ENDS WITH STANDARD HOOKS.

8. MINIMUM CONCRETE COVER SHALL BE 3/4 INCH FOR SLABS, 1 INCH FOR WALLS AND 1-1/2 INCHES FOR COLUMNS. MINIMUM CONCRETE COVER FOR REINFORCING STEEL SHALL BE 1 INCH FOR SLABS ON GRADE AND WALLS. ALL CONCRETE EXPOSED TO WEATHER OR EARTH SHALL HAVE MINIMUM CONCRETE COVER OF 2 INCHES FOR BARS LARGER THAN #5, 1-1/2 INCHES FOR #5 BARS OR SMALLER. FOR ALL CONCRETE CAST AGAINST EARTH PROVIDE 3 INCHES COVER. ALL CONCRETE PLACED AGAINST PERMANENT SHEETING SHALL HAVE 4 INCHES COVER.
9. PROVIDE CONSTRUCTION JOINTS IN ACCORDANCE WITH ACI-318, CHAPTER 8.4. SUBMIT SHOP DRAWINGS SHOWING CONSTRUCTION JOINT LOCATIONS ALONG WITH THE SEQUENCE OF POURS FOR THE STRUCTURAL ENGINEER'S REVIEW. WALL (CONTINUOUS FOOTING) CONSTRUCTION JOINTS SHALL BE PLACED SO AS TO PROVIDE A 60 FOOT MAXIMUM LENGTH OF CONCRETE PLACEMENT.
10. NO CONCRETE TEST WILL BE ACCEPTED IF CONCRETE IS TAMPERED WITH IN ANY WAY AFTER SAID TEST IS PERFORMED. REPEAT TEST IF WATER IS ADDED AFTER INITIAL SAMPLING.
11. VERTICAL CONSTRUCTION JOINTS IN WALLS SHALL BE USED ONLY WITH PRIOR APPROVAL OF THE ENGINEER AND SHALL BE LOCATED AT LEAST EIGHT FEET FROM ANY WALL OPENING FOR FOUNDATION WALLS.
12. NO HORIZONTAL CONSTRUCTION JOINTS WILL BE PERMITTED IN BEAMS, WALLS AND SLABS UNLESS SPECIFICALLY SHOWN ON THE DRAWINGS OR APPROVED IN WRITING BY THE ENGINEER.
13. THE GENERAL CONTRACTOR SHALL PROVIDE REINFORCING STEEL ERECTOR WITH A SET OF STRUCTURAL PLANS FOR FIELD USE.
14. ALL ADJOINING SURFACES NOT CAST MONOLITHICALLY SHALL BE ROUGHENED TO 1/4 INCH AMPLITUDE FOR THE ENTIRE INTERSECTING SURFACE ACCORDING TO ACI RECOMMENDATIONS.
15. CONTRACTOR SHALL VERIFY DIMENSIONS AND LOCATIONS OF ALL OPENINGS, PIPE SLEEVES, CURBS ETC. AS REQUIRED BY OTHER TRADES BEFORE CONCRETE IS PLACED.
16. FOR LOCATION OF FLOOR DRAINS, CURBS, CONCRETE PADS AND FLOOR DEPRESSIONS SEE ARCHITECTURAL AND MECHANICAL DRAWINGS.
17. COORDINATE LOCATION OF SLOTTED INSERTS, WELDED PLATES, AND OTHER ITEMS TO BE EMBEDDED IN CONCRETE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
18. CONTRACTOR SHALL USE RIGID TEMPLATES TO INSTALL ANCHOR BOLTS.
19. PIPES OR CONDUITS ARE NOT PERMITTED TO BE PLACED IN SLAB.
20. TYPICAL SLAB ON-GRADE REINFORCING SHALL BE AS FOLLOWS: TEMPERATURE REINFORCING 6 X 6 - W2.9 X W2.9 WELDED WIRE FABRIC.

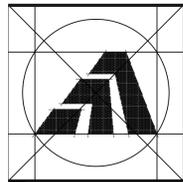
ROUGH CARPENTRY (AS APPLICABLE)

1. WOOD FRAMING SHALL CONFORM TO AND BE ERECTED IN ACCORDANCE WITH THE LATEST RECOMMENDATIONS OF THE NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION AND THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION.
2. ALL WOOD FRAMING IN CONTACT WITH CONCRETE, MASONRY AND/OR SUBJECT TO EXTERIOR EXPOSURE SHALL BE ACQ PRESERVATIVE TREATED IN ACCORDANCE WITH AWPA STANDARDS C2.
3. JOIST HANGERS, FRAMING ANGLES AND CLIPS SHALL BE EQUAL TO THOSE MANUFACTURED BY THE SIMPSON STRONG-TIE COMPANY.
4. FRAMING MEMBERS SHALL BE SECURELY FASTENED TOGETHER AND TO SUPPORTING CONSTRUCTION; NAILED, SPIKED, LAG SCREWED OR BOLTED AS REQUIRED.
5. ALL WOOD FRAMING EXPOSED TO WEATHER, IN CONTACT WITH THE GROUND OR IN AREAS WITH HIGH RELATIVE HUMIDITY: PROVIDE FASTENERS AND ANCHORS WITH A HOT-DIP ZINC COATING (ASTM A153)
6. DOUBLE STUD WALL OPENINGS, DOOR AND WINDOW JAMBS. USE THREE STUDS AT CORNERS.
7. ALL NAILED CONNECTIONS SHALL BE SECURED IN ACCORDANCE WITH STATE OF CONNECTICUT BASIC BUILDING CODE NAILING SCHEDULE.
8. FOR BOLTED CONNECTIONS, DRILL HOLES 1/16" LARGER IN DIAMETER THAN THE BOLTS BEING USED. USE WASHERS UNDER ALL NUTS.
9. FOR LAG-SCREWS AND WOOD SCREWS, PRE-BORE HOLES SAME DIAMETER AS ROOT OF THREADS; ENLARGE HOLES TO SHANK DIAMETER FOR LENGTH OF SHANK. SCREW, DO NOT DRIVE, ALL LAG SCREWS AND WOOD SCREWS.
10. ROOF SHEATHING SHALL BE INSTALLED WITH LONG DIMENSION (FACE GRAIN)PERPENDICULAR TO SUPPORTING MEMBER AND ATTACHED WITH 8d COMMON NAILS AT 6"O.C. AT EDGES AND 12"O.C. AT INTERMEDIATE SUPPORT. REDUCE INTERMEDIATE NAIL SPACING TO 6"O.C. WITHIN 8'-0" OF ROOF RIDGES, EAVES, HIPS AND GABLE ENDS. PROVIDE & INSTALL 20 GA. GALV SHEATHING CLIPS AT MID SPAN OF PLYWOOD SHEATHING BET SUPPORTING MEMBERS.
11. WALL SHEATHING SHALL ATTACHED WITH 10d COMMON NAILS AT 6" O.C. AT PERIMETER & EDGES & ENDS, AND 12" O.C. AT INTERMEDIATE SUPPORTS.

HELICAL STEEL PILES

- 1) DESCRIPTION
HELICAL PILES SHALL BE FURNISHED AND INSTALLED TO ACHIEVE AN ULTIMATE BEARING CAPACITY OF 70 KIPS COMPRESSION. THE DESIGN CAPACITY OF THE PILES IS 35 KIPS PROVIDING A FACTOR OF SAFETY OF 2.
PILES SHALL BE CAPABLE OF PROVIDING A LATERAL RESISTANCE OF 3 KIP EACH. THE PILE CONTRACTOR SHALL SUBMIT FOR REVIEW CALCULATIONS INDICATING THE MINIMUM PILE DEPTH, HELIX DIAMETER AND REQUIRED TORQUE TO ACHIEVE THE REQUIRED LOAD BASED UPON THE SOIL BORING.
- 2) QUALITY ASSURANCE
 - a. INSTALLATION CONTRACTOR'S QUALIFICATIONS: INSTALLATION SHALL BE BY A HELICAL FOUNDATION SYSTEMS AUTHORIZED INSTALLATION CONTRACTOR.PROOF OF CURRENT CERTIFICATION BY MACLEAN-DIXIE ANCHORING SYSTEMS SHALL BE SUBMITTED TO THE OWNER OR THEIR REPRESENTATIVE PRIOR TO STARTING INSTALLATION UPON REQUEST OF THE OWNER OR THEIR REPRESENTATIVE.
 - b. ALL HELICAL PILES SHALL BE INSTALLED IN THE PRESENCE OF A DESIGNATED REPRESENTATIVE OF THE OWNER UNLESS THE OWNER OR THEIR REPRESENTATIVE INFORMS THE INSTALLATION CONTRACTOR OTHERWISE.
 - c. WELDING: PROCEDURES SHALL MEET THE REQUIREMENTS OF AWS "STRUCTURAL WELDING CODE," D1.1, LATEST EDITION. ALL WELDERS SHALL BE AWS CERTIFIED.
 - d. HELICAL PILE SYSTEM SHALL BE ICC-ES LISTED. THE INSTALLATION CONTRACTOR SHALL FURNISH EVIDENCE TO THE OWNER OR THEIR REPRESENTATIVE BY MEANS OF THE ICC-ES EVALUATION REPORT NUMBER PFC-5551 IF REQUIRED.
 - e. THE COUPLING MATERIAL SHALL CONFIRM TO AISI 8620 OR SC1045 PER ASTM A-958.
- 3) ALLOWABLE TOLERANCES
 - a. THE FOLLOWING TOLERANCES ARE SUGGESTED MAXIMUMS. THE FINAL TOLERANCES FOR A GIVEN PROJECT WILL BE ESTABLISHED PRIOR TO THE COMMENCEMENT OF THE INSTALLATION OF THE HELICAL PILES AND WILL DEPEND ON THE SPECIFIC REQUIREMENTS OF THE PROJECT.
 - b. THE CENTERLINE OF THE HELICAL PILES SHALL BE WITHIN 2 INCHES OF THE LOCATION AS SHOWN ON THE PLANS.
 - c. HELICAL PILES SHALL BE WITHIN 2 DEGREES OF DESIGN ALIGNMENT.
 - d. THE TOP ELEVATION OF THE HELICAL PILE SHALL BE WITHIN +1 INCH TO -1 INCH OF PLAN ELEVATION.
- 4) CONSTRUCTION SUBMITTALS
 - a. THE CONTRACTOR SHALL SUBMIT WORKING DRAWINGS FOR THE HELICAL PILES TO THE OWNER OR THEIR REPRESENTATIVE PRIOR TO THE START OF CONSTRUCTION FOR REVIEW AND APPROVAL IF REQUIRED.
 - b. THE CONTRACTOR SHALL SUBMIT DETAILED CONSTRUCTION PROCEDURES PROPOSED FOR USE ALONG WITH A LIST OF THE MAJOR INSTALLATION EQUIPMENT TO THE OWNER OR THEIR REPRESENTATIVE IF REQUIRED.
 - c. THE WORKING DRAWINGS SHALL INCLUDE THE FOLLOWING ITEMS:
 - a. HELICAL PILE NUMBER AND LOCATION
 - b. HELICAL PILE DESIGN LOAD
 - c. TYPE AND SIZE OF SHAFT
 - d. HELICAL CONFIGURATION AND DIAMETER OF HELICAL PLATES
 - e. MINIMUM EFFECTIVE INSTALLATION TORQUE
 - f. MINIMUM OVERALL LENGTH
 - g. ANGLE OF INSTALLATION OF THE PILE, IF OTHER THAN VERTICAL
 - h. PILE HEAD ELEVATION
 - i. HELICAL PILE ATTACHMENT TO THE STRUCTURE
 - d. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR THE HELICAL PILE COMPONENTS, INCLUDING THE CORROSION PROTECTION AND PILE TOP TERMINATION DEVICE TO THE OWNER OR THEIR REPRESENTATIVE FOR REVIEW AND APPROVAL.
 - e. WORK SHALL NOT COMMENCE UNTIL ALL SUBMITTALS HAVE BEEN RECEIVED AND APPROVED BY THE OWNER OR THEIR REPRESENTATIVE. THE CONTRACTOR SHALL PROVIDE THE OWNER OR THEIR REPRESENTATIVE A REASONABLE AMOUNT OF TIME TO REVIEW, COMMENT, AND RETURN THE SUBMITTAL DOCUMENTS AFTER A COMPLETE SET HAS BEEN RECEIVED.
- 5) TERMINATION CRITERIA
 - a. THE TORQUE AS MEASURED DURING THE INSTALLATION SHALL NOT EXCEED THE TORQUE RATING (TORSIONAL STRENGTH) OF THE STEEL HELICAL LEAD AND EXTENSION SHAFT SECTIONS.
 - b. THE MINIMUM INSTALLATION TORQUE AND MINIMUM OVERALL LENGTH CRITERIA AS SHOWN ON THE WORKING DRAWINGS SHALL BE SATISFIED PRIOR TO TERMINATING THE INSTALLATION OF THE HELICAL PILE.
 - c. IF THE MINIMUM INSTALLATION TORQUE AS SHOWN ON THE WORKING DRAWINGS IS NOT ACHIEVED AT THE MINIMUM OVERALL LENGTH AND THERE IS NO MAXIMUM OVERALL LENGTH CONSTRAINT, THE INSTALLATION CONTRACTOR SHALL HAVE THE FOLLOWING OPTIONS:
 - d. INSTALL THE HELICAL PILE DEEPER USING ADDITIONAL EXTENSION SECTIONS, OR
 - e. REMOVE THE EXISTING HELICAL PILE AND INSTALL A NEW PILE WITH ADDITIONAL AND/OR LARGER DIAMETER HELICAL PLATES. THIS NEW PILE CONFIGURATION SHALL BE SUBJECT TO REVIEW BY AND ACCEPTANCE OF THE OWNER OR THEIR REPRESENTATIVE. IF THE NEW PILE IS INSTALLED AT THE SAME LOCATION AS THE ORIGINAL PILE, THEN THE TOP MOST HELIX OF THE NEW HELICAL PILE SHALL BE TERMINATED AT LEAST THREE TIMES THE DIAMETER OF TOP MOST HELIX OF THE NEW PILE BEYOND THE TERMINATION DEPTH OF THE ORIGINAL PILE, OR
 - f. DERATE THE LOAD CAPACITY OF THE HELICAL PILE AND INSTALL ADDITIONAL HELICAL PILE(S). THE DERATED CAPACITY AND ADDITIONAL HELICAL PILE LOCATION(S) SHALL BE SUBJECT TO THE REVIEW BY AND ACCEPTANCE OF THE OWNER OR THEIR REPRESENTATIVE.
 - g. IF THE HELICAL PILE REACHES REFUSAL OR IS DEFLECTED BY A SUBSURFACE OBSTRUCTION, THE INSTALLATION SHALL BE TERMINATED AND THE HELICAL PILE REMOVED. THE OBSTRUCTION SHALL BE REMOVED, IF FEASIBLE, AND THE HELICAL PILE SHALL BE REINSTALLED. IF THE OBSTRUCTION CANNOT BE REMOVED, THE HELICAL PILE SHALL BE INSTALLED AT AN ADJACENT LOCATION SUBJECT TO REVIEW BY AND ACCEPTANCE OF THE OWNER OR THEIR REPRESENTATIVE.
 - h. THE CONTRACTOR SHALL MAINTAIN A WRITTEN INSTALLATION RECORD FOR EACH HELICAL PILE. THIS RECORD SHALL INCLUDE INFORMATION AS NOTED IN SECTION 2.2 INSTALLATION RECORDS.

END OF SPECIFICATION



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Comm No. 01MH4.09

Sheet Title:
STRUCTURAL DETAILS

APPLICATION # 1198

DEGOURSEY RESIDENCE
11 Chetwood Street
Milford, Connecticut 06460

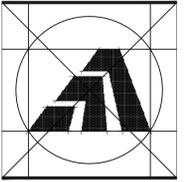
STATE OF CONNECTICUT
DEPARTMENT OF HOUSING
COMMUNITY DEVELOPMENT BLOCK GRANT
DISASTER RECOVERY PROGRAM
(CDBG-DR)

Date:
10/22/14
REV 01 10/31/14

Job Number:
Drawn By: JRO
Approved By: EGS

Sheet Number:

S-1



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Sheet Title:
STRUCTURAL PLANS

APPLICATION # 1198

DEGOURSEY RESIDENCE
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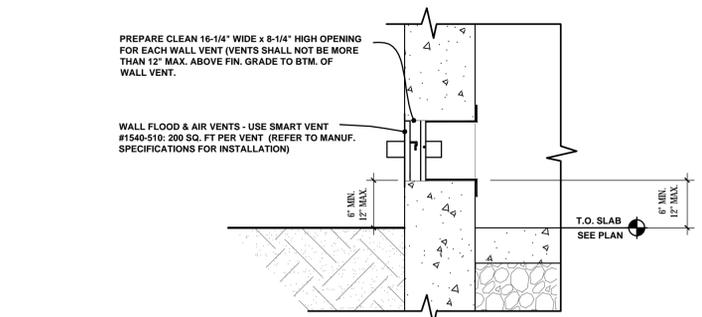
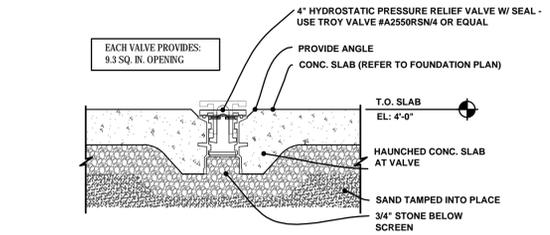
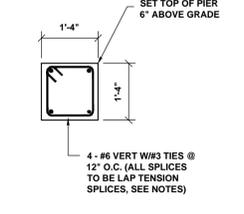
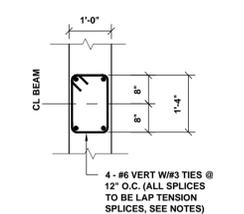
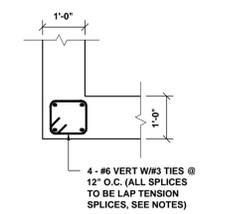
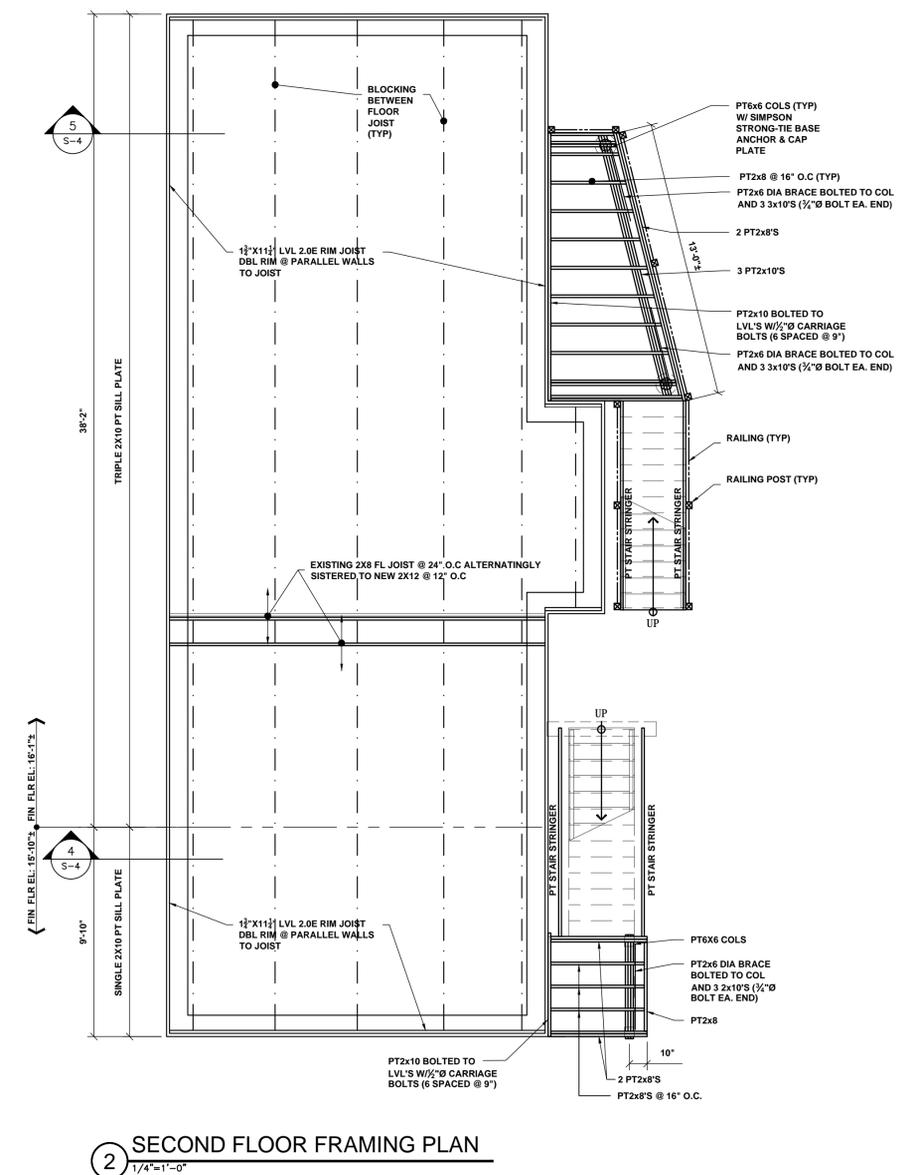
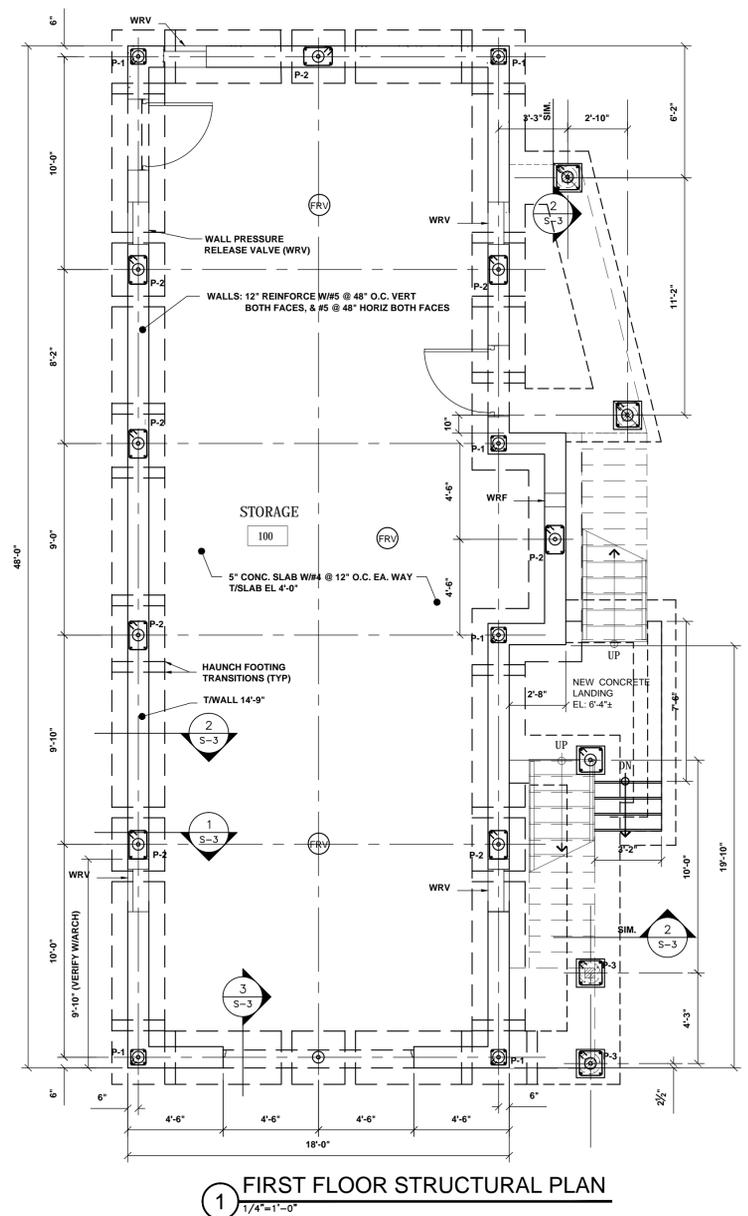
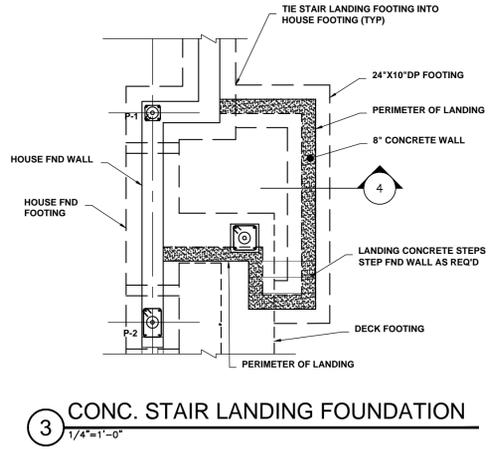
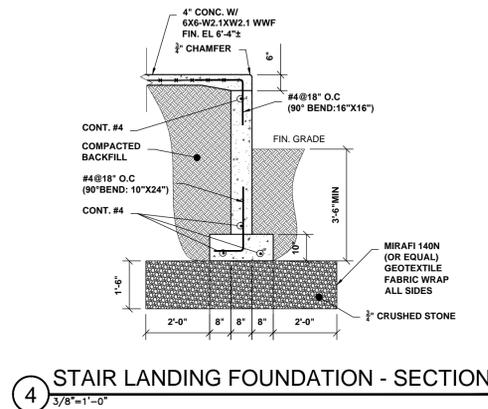
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DISASTER RECOVERY PROGRAM
(CDBG-DR)

Date:
10/22/14
REV 01 10/31/14
REV 02 11/12/14

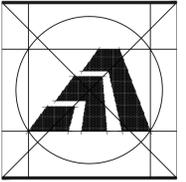
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Drawn By: JRO
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Sheet Title:
STRUCTURAL DETAILS

APPLICATION # 1198

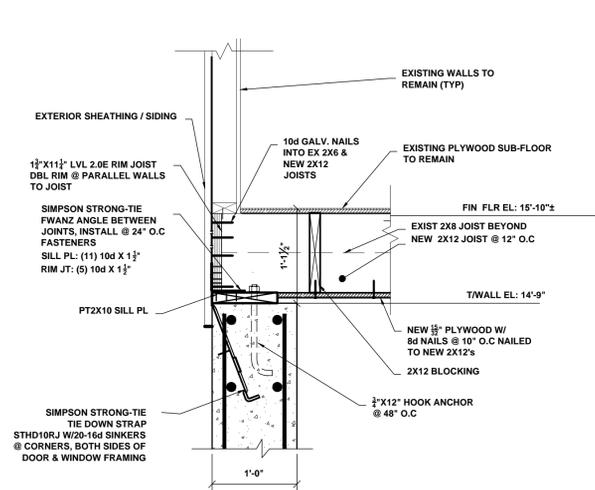
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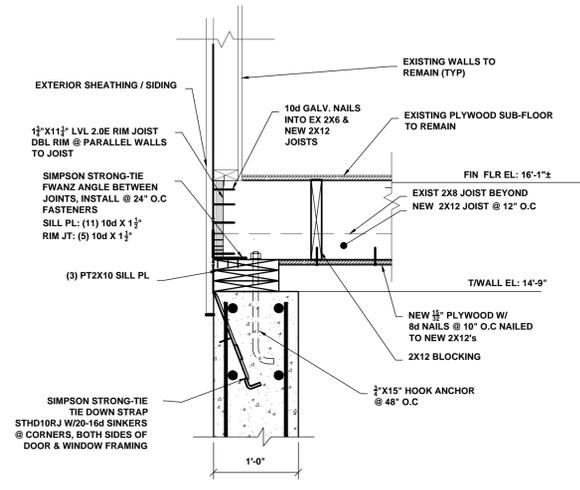
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Job Number:
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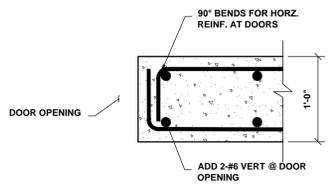
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S-4



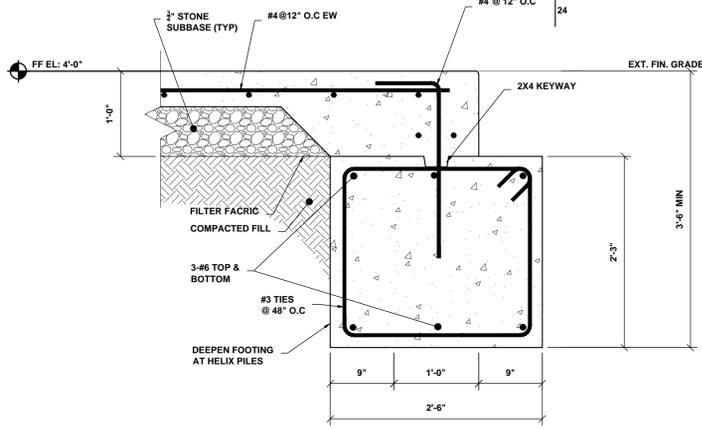
4 TYPICAL ANCHOR DETAIL
1"=1'-0"



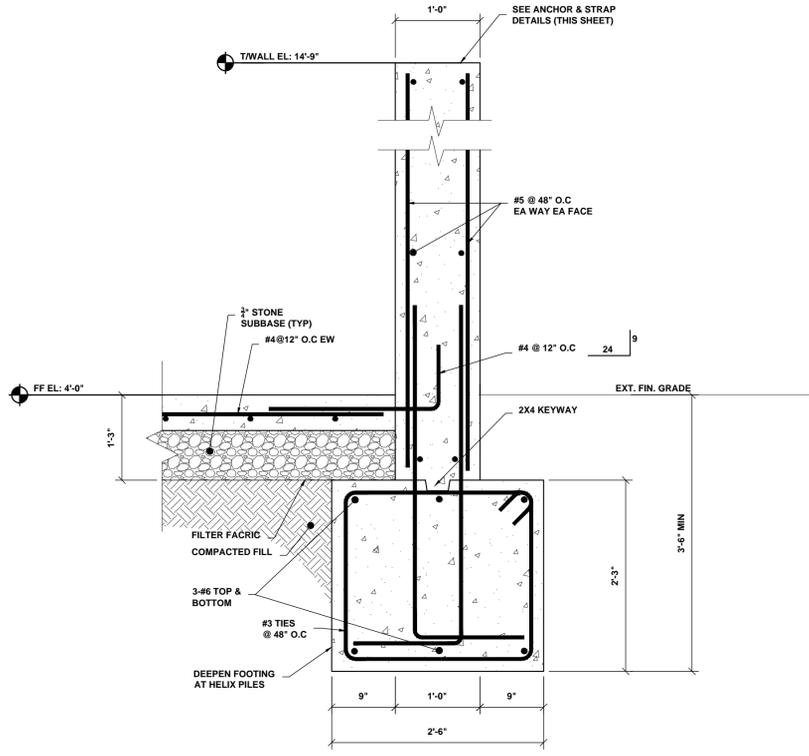
5 TYPICAL ANCHOR DETAIL
1"=1'-0"



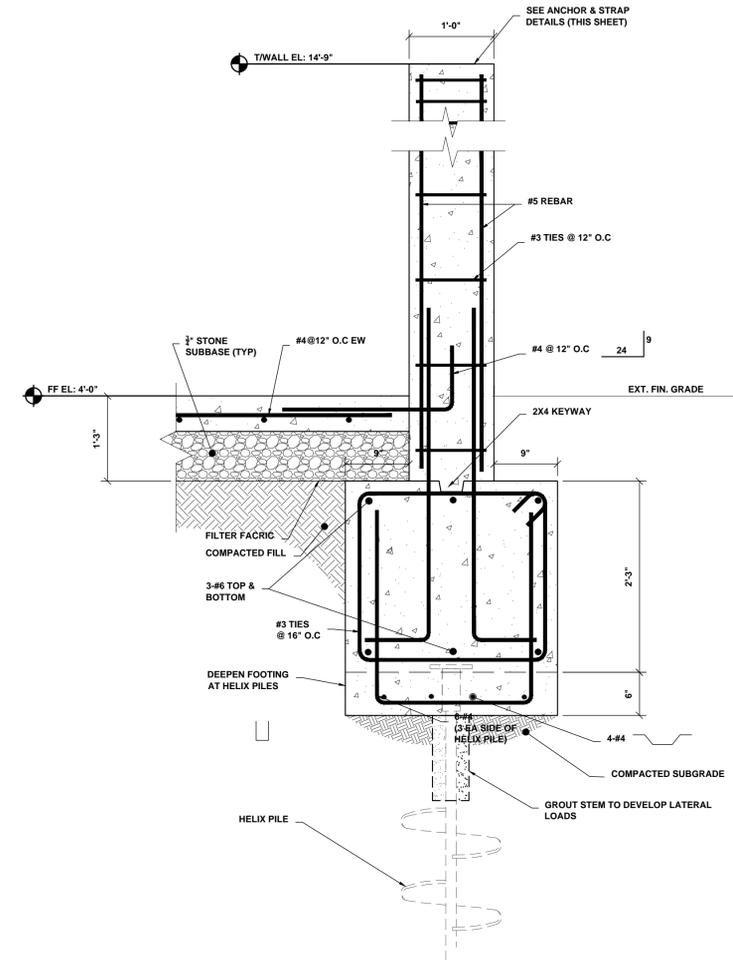
6 REINF. DETAIL @ DOOR OPENINGS
1"=1'-0"



3 HAUNCH SLAB AT GARAGE OPENING
1"=1'-0"

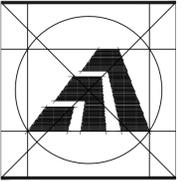


2 CONCRETE WALL & FOOT SECTION
1"=1'-0"



1 CONCRETE PIER, FOOTING AND HELIX PILE SECTION
1"=1'-0"

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Sheet Title:
PLUMBING PLANS

APPLICATION # 1198

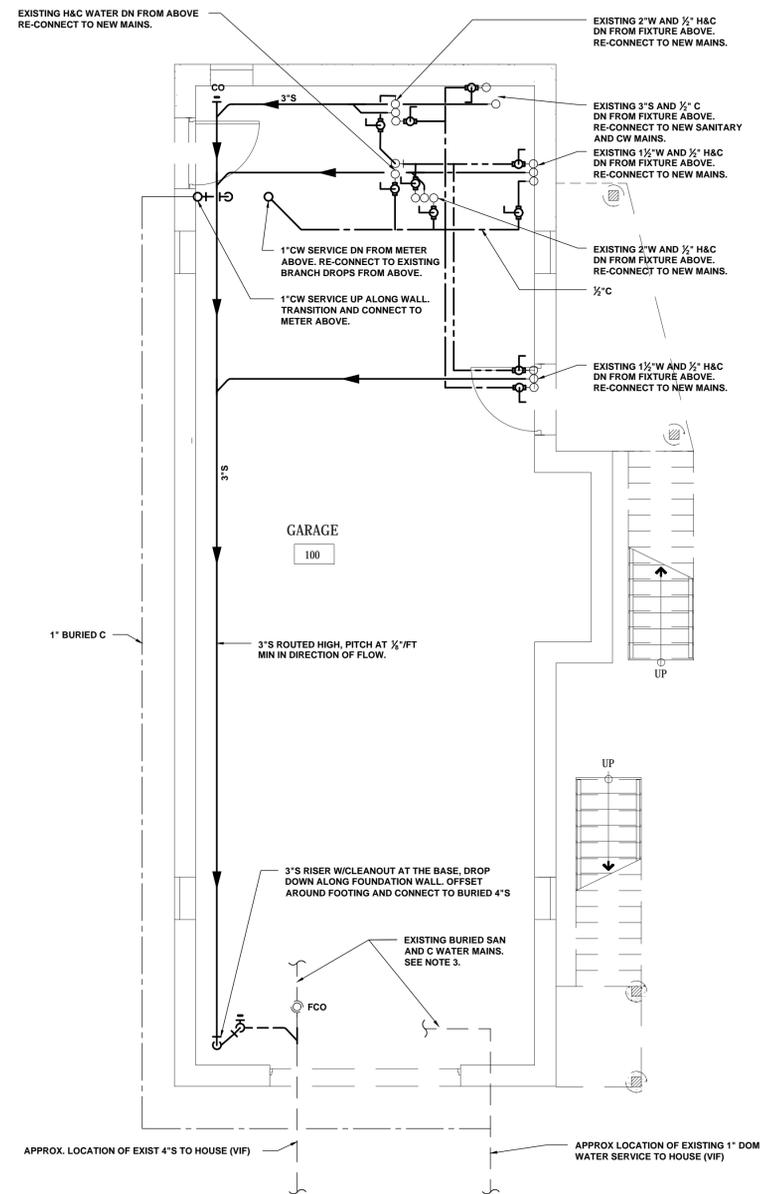
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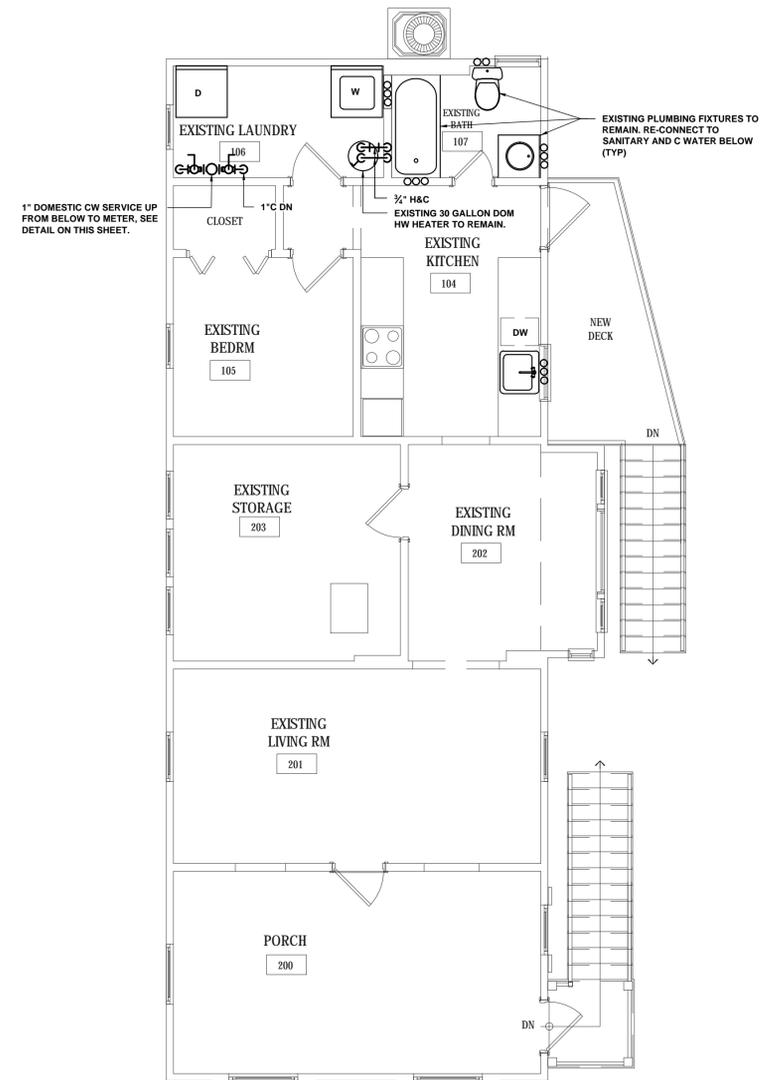
Date:
10/22/14

Job Number:
Drawn By: RJS
Approved By:

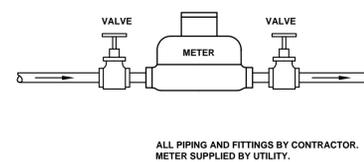
Sheet Number:
P-1



1 FIRST FLOOR PLUMBING PLAN
1/4" = 1'-0"



2 SECOND FLOOR PLUMBING PLAN
1/4" = 1'-0"



4 TYPICAL WATER METER PIPING DETAIL
NTS

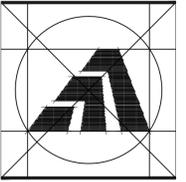
NOTE:

1. INFORMATION SHOWN IS BASED UPON CASUAL FIELD OBSERVATIONS. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO THE START OF WORK.
2. PIPE ROUTING SHOWN IS SCHEMATIC IN NATURE, ACTUAL ROUTING SHALL BE COORDINATED WITH EXISTING UTILITIES AND OTHER TRADES PRIOR TO THE START OF WORK.
3. REMOVE ALL H, C & DRAIN PIPING SERVING BLDG AND RE-PIPE AS SHOWN.
4. DOMESTIC COLD WATER, SANITARY AND NATURAL GAS SERVICES TO BE ELEVATED ABOVE FLOOD LEVEL AND INSTALLED PER UTILITY REQUIREMENTS. A BACKFLOW VALVE SHALL BE INSTALLED IN THE SANITARY MAIN.
5. INSTALL ALL EQUIPMENT PER MANUFACTURES RECOMMENDATIONS.
6. ROUTE ALL PIPING UP OUT OF THE FLOOD PLAIN.
7. ALL WATER PIPING TO BE HEAT TRACED, REFER TO ELEC DWGS.

PLUMBING SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
---	WASTE, SOIL AND STORM	⊥	BUTTERFLY VALVE	⊕	UNION
---	BURIED PIPE	⊥	CHECK VALVE	⊕	CIRCULATING PUMP
---	COLD	⊥	PRESSURE REDUCING VALVE	⊕	FLOOR DRAIN
---	HOT	⊥	BACKFLOW PREVENTER	⊕	ROOF DRAIN
---	RECIRCULATION	⊥	PLUG VALVE	⊕	CLEAN OUT
---	VENT	⊥	CONTROL VALVE	⊕	THERMOMETER
⊥	BALL VALVE	⊥	HOSE BIBB	⊕	PIPE ELBOW UP
⊥	GATE VALVE	⊥	PRESSURE RELIEF VALVE	⊕	PIPE ELBOW DN
⊥	OS&Y GATE VALVE	⊥	STRAINER	⊕	CAP

NOTE: ABOVE LEGEND IS GENERAL IN NATURE. NOT ALL SYMBOLS ARE ASSOCIATED WITH THIS PROJECT.



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Sheet Title:
MECHANICAL PLANS

APPLICATION # 1198

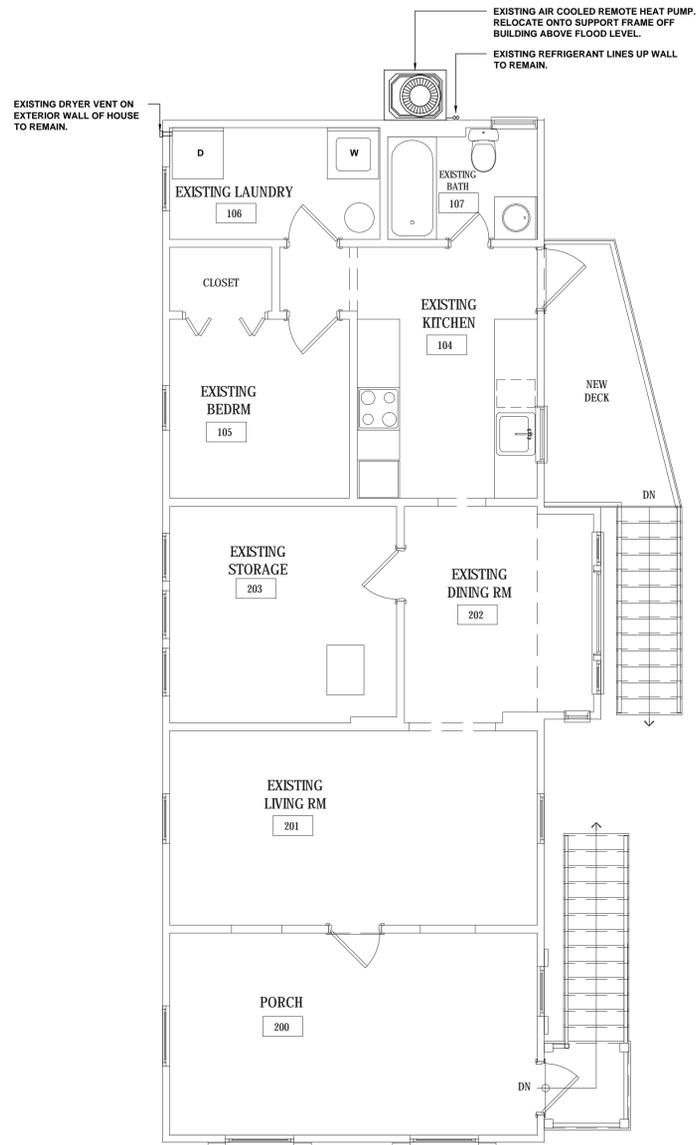
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**STATE OF CONNECTICUT
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COMMUNITY DEVELOPMENT BLOCK GRANT
DISASTER RECOVERY PROGRAM
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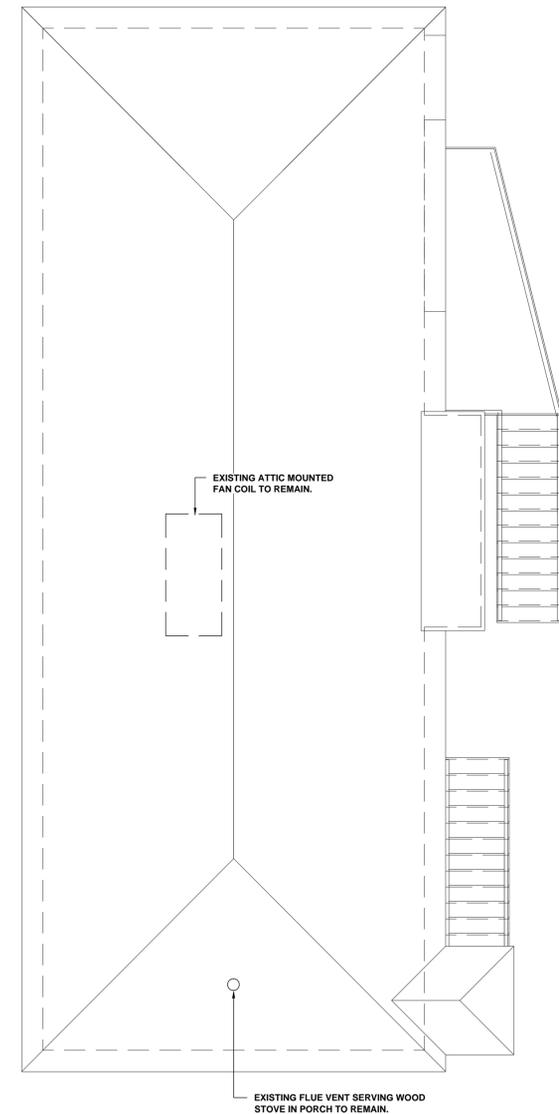
Date:
10/22/14

Job Number:
Drawn By:
Approved By: RJS

Sheet Number:
M-1



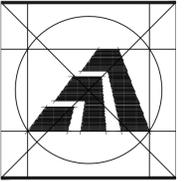
1 SECOND FLOOR MECHANICAL PLAN
1/4"=1'-0"



2 THIRD FLOOR MECHANICAL PLAN
1/4"=1'-0"

NOTES:

1. INFORMATION SHOWN IS BASED UPON CASUAL FIELD OBSERVATIONS. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO THE START OF WORK.
2. CONTRACTOR TO COORDINATE WITH EXISTING UTILITIES AND OTHER TRADES PRIOR TO THE START OF WORK.



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Sheet Title:

ELECTRICAL PLANS

APPLICATION # 1198

DEGOURSEY RESIDENCE

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STATE OF CONNECTICUT
DEPARTMENT OF HOUSING
COMMUNITY DEVELOPMENT BLOCK GRANT
DISASTER RECOVERY PROGRAM
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Date:
10/22/14

Job Number:
Drawn By: JTF
Approved By: JKH

Sheet Number:

E-1

ELECTRICAL FIXTURE KEY

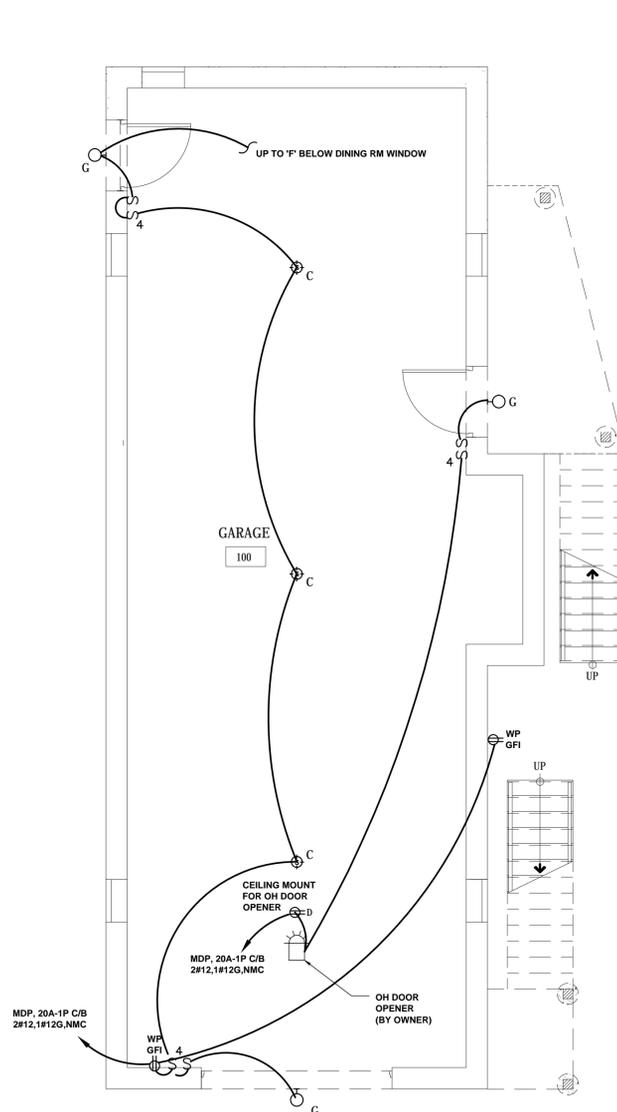
- PENDANT LIGHT FIXTURE
- SURFACE MOUNTED LIGHT FIXTURE
- RECESSED CEILING LIGHT FIXTURE
- WALL MOUNTED LIGHT FIXTURE
- EXTERIOR SURFACE LIGHT
- SINGLE POLE SWITCH
- THREE WAY SWITCH
- DUPLEX RECEPTACLE
- DUPLEX WITH GROUND FAULT INTERRUPTER
- DUPLEX WATER PROOF GROUND FAULT INTERRUPTER
- WP GFI
- ARC FAULT INTERRUPTED DUPLEX RECEPTACLE
- DEDICATED RECEPTACLE
- DRYER RECEPTACLE
- TELEPHONE OUTLET / INTERNET OUTLET
- COAXIAL CABLE FOR TELEVISION
- EXHAUST FAN
- EXHAUST FANLIGHT
- CEILING FAN
- SMOKE DETECTOR
- CARBON MONOXIDE DETECTOR
- MDP
- NMX

NOTE: WHERE OUTLETS ARE NOT SPECIFICALLY LOCATED ON THE DRAWINGS, PROVIDE MINIMUM NUMBER TO SATISFY LOCAL AND ALL GOVERNING CODES. LOCATE AS DETERMINED IN THE FIELD WITH THE ARCHITECT. WHERE OUTLETS ARE REQUIRED BY CODE AND INSTALLED WITHOUT SUCH SPECIFIC DIRECTION, LOCATE AS DIRECTED BY THE ARCHITECT

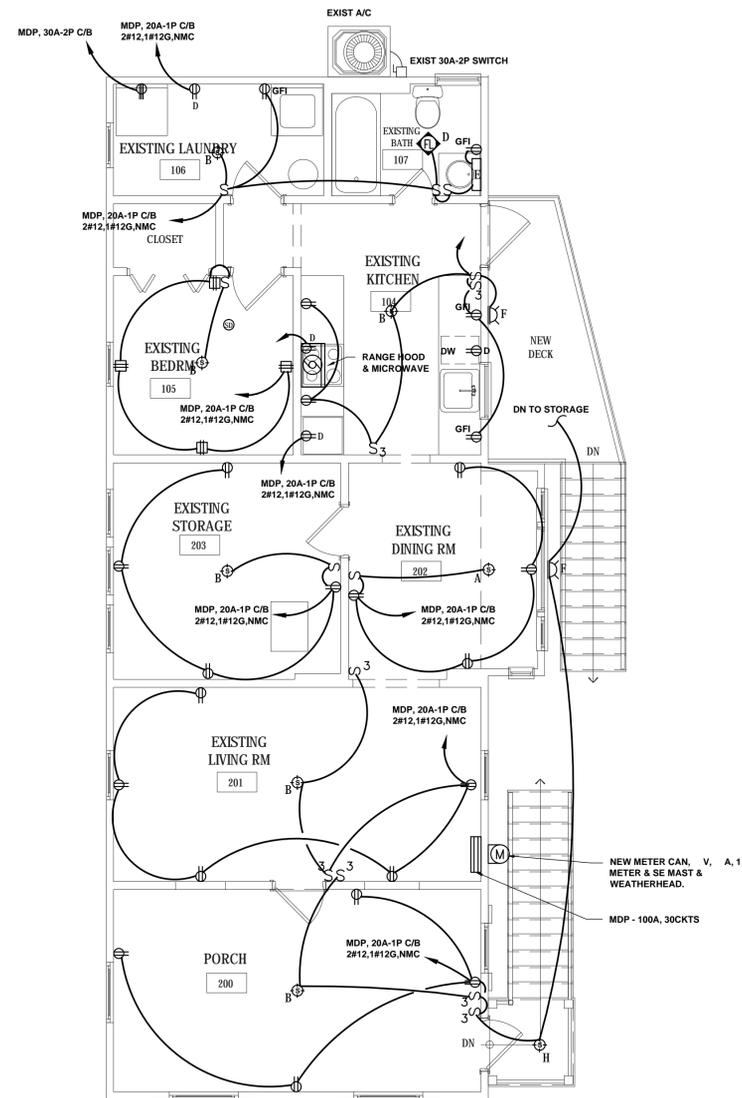
NOTE: COORDINATE FIXTURE LOCATION WITH FRAMING, HVAC PLANS AND INTERIOR DRAWINGS.

NOTES:

1. A/C EQUIPMENT IS ADD ALTERNATE BY OWNER.
2. IF A/C IS INSTALLED - ALL SE EQUIP. AND MAIN PANEL MUST BE UPSIZED TO A 240/120V, 1 , 100A SYSTEM. MUST ALSO BE ADD ALTERNATE BY OWNER. SE CABLE 3-#20, 114G, COPPER CABLE.
3. SMOKE, SMOKE/CARBON MONOXIDE DETECTORS TO BE WIRED IN TANDEM (TYPICAL).



1 FIRST FLOOR ELECTRICAL PLAN
1/4"=1'-0"



2 SECOND FLOOR ELECTRICAL PLAN
1/4"=1'-0"

LUMINAIRE SCHEDULE

SYMBOL	LABEL	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	LAMP
	A	PROGRESS LIGHTING	P5011-09	INCANDESCENT PENDANT FIXTURE WITH BRUSHED NICKEL FINISH. PRE WIRED WITH 10' OF WIRE UL-CUL LISTED	1 (m) 100w
	B	KICHLER	8109NT	INCANDESCENT 2 LAMP FLUSH MOUNT INDOOR CEILING FIXTURE WITH BRUSHED NICKEL FINISH.	2 60W
	C	QUORUM INTERNATIONAL	3308-6-6	WHITE CEILING MOUNT 6"W x 7 1/2"H UL DAMP LOCATION RATED FIXTURE	1 60W
	D	BROAN	QTXE110FLT	ULTRA QUIET HIGH PERFORMANCE BATH FANLIGHT FIXTURE WITH MODERN STYLED GRILLE.	2 18W G24 W/W NIGHT LIGHT
	E	SEA GULL	44061-962	2 LIGHT BATH VANITY FIXTURE IN BRUSHED NICKEL SATIN WHITE GLASS. UL DAMP RATED.	2 100W
	F	QUORUM INTERNATIONAL	681-8-15	1/2" DEEP 11" W x 9 1/2" H UL DAMP RATED	1 60W
	G	QUORUM INTERNATIONAL	7360-34	BALTIC GRANITE OUTDOOR WALL MOUNT UL DAMP LOCATION RATED FIXTURE	1 100W
	H	QUORUM INTERNATIONAL	3043-11-86	ORLED BRONZE CEILING MOUNT 11"W x 9 1/2"H UL DAMP LOCATION RATED FIXTURE	2 60W

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DIVISION 15000 - MECHANICAL

PART 1 - GENERAL

- 1.1 PIPE HANGERS AND SUPPORTS SHALL MEET THE REQUIREMENTS OF MSS SP-69 AND SP-89 DEVELOPED BY THE MANUFACTURERS STANDARDIZATION SOCIETY OF THE VALVES AND FITTINGS INDUSTRY INC.
- 1.2 SEISMIC SUPPORTS AND RESTRAINTS FOR EQUIPMENT, DUCTWORK AND PIPING SHALL MEET STATE BUILDING CODE REQUIREMENTS AND SMACNA SEISMIC RESTRAINT MANUAL GUIDELINES.

1.3 GENERAL PIPING REQUIREMENTS:

- A. ALL PIPING SHALL BE RUN PARALLEL TO THE LINE OF THE BUILDING.
- B. PITCH OF LINES SHALL BE UNIFORM AND TRUE WITH NO SAGS, POCKETS OR TRAPS. ECCENTRIC FITTINGS SHALL BE USED WHERE NECESSARY TO PROVIDE COMPLETE DRAINAGE.
- C. PROVIDE ISOLATION VALVES AT ALL CONNECTIONS TO FIXTURES AND ALL BRANCH TAKE-OFFS.
- D. PROVIDE MANUAL VENT VALVES AT ALL HIGH POINTS AND DRAIN VALVES AT ALL LOW POINTS.
- E. SCREWED PIPE JOINTS SHALL BE MADE WITH TEFLON PIPE THREAD TAPE OR APPROVED PIPE JOINT COMPOUND.

1.4 TESTING:

- A. ALL PIPING SYSTEMS INSTALLED UNDER THIS CONTRACT SHALL BE PRESSURE TESTED WITH CLEAN WATER, UNLESS NOTED OTHERWISE, TO INSURE TIGHTNESS.
 - 1. HOT AND COLD WATER SUPPLY PIPING SHALL BE TESTED TO 150 PSIG
 - 2. DRAINAGE AND VENT PIPING SHALL BE TESTED TO 10 FOOT HEAD OF WATER.
- B. CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL PLUGS, PIPING, VALVES, HOSES, AND PUMPS NECESSARY FOR THE REQUIRED TESTS AND FOR PROPER DISPOSAL OF THE TEST MEDIUM UPON COMPLETION OF THE TESTS.

1.6 CLEANING OF THE PIPING SYSTEMS:

- A. UPON COMPLETION OF ALL WORK AND SATISFACTORY TESTING, ALL PIPING SYSTEMS (EXCEPT REFRIGERATION AND GAS PIPING) SHALL BE FLUSHED WITH WATER TO REMOVE DIRT, GRIT, CHIPS AND FOREIGN MATTER. GAS PIPING SHALL BE PURGED OF AIR IN ACCORDANCE WITH NFPA 54.
- B. WATER FOR FLUSHING SHALL BE USED IN SUFFICIENT QUANTITY TO PRODUCE A VELOCITY OF AT LEAST 2.5 FEET PER SECOND. FLUSHING SHALL CONTINUE UNTIL DISCHARGE WATER SHOWS NO DISCOLORATION OR EVIDENCE OF FOREIGN MATERIALS.
- C. DURING FLUSHING OPERATION, ALL VALVES SHALL BE OPERATED SEVERAL TIMES, BYPASSES OPENED AND EQUIPMENT FLUSHED.
- D. UPON COMPLETION OF FLUSHING OPERATIONS, ALL STRAINERS, FILTERS AND BLOWDOWNS SHALL BE REMOVED AND CLEANED OF ACCUMULATED WASTE.
- E. CARE SHOULD BE TAKEN TO INSURE THE COMPLETE REMOVAL OF ALL WATER FROM THE LINE OR SYSTEM AFTER TESTING. IF THERE IS ANY DANGER OF CONTAMINATION OR FREEZING, BLOW OUT THE FLUID WITH DRY, OIL-FREE AIR.

- 1.7 CLEANING AND STERILIZATION OF POTABLE WATER SYSTEM: PURGE OF DELETERIOUS MATTER AND DISINFECT PRIOR TO USE. THE METHOD TO BE FOLLOWED SHALL BE THAT PRESCRIBED BY THE HEALTH AUTHORITY HAVING JURISDICTION. OR, IN THE ABSENCE OF A PRESCRIBED METHOD, THE PROCEDURE DESCRIBED IN EITHER AWWA C652 OR AWWA C5186.

- 1.8 PIPE INSULATION SHALL BE RIGID, HEAVY DENSITY, PREFORMED GLASS FIBER, WITH ALL SERVICE JACKET. JACKET SHALL HAVE PRESSURE SENSITIVE TAPE CLOSURE. BUTT JOINTS SHALL HAVE 3" WIDE TAPE OF SAME MATERIAL. VALVES AND FITTINGS SHALL BE INSULATED WITH ZESTON, OR APPROVED EQUAL, INSULATED PVC. ONE PIECE, SNAP-TYPE COVERS AND ZESTON 1 1/2" 2-TAPE, 10 MIL. EXTERIOR INSULATED PIPES SHALL HAVE ALUMINUM JACKET. INSULATION THICKNESS AS FOLLOWS:

SYSTEM	INSULATION THICKNESS
A. DOMESTIC COLD WATER EXTERIOR TO BLDG ENVELOPE	2"
B. DOMESTIC COLD WATER	1-1/2"
C. DOMESTIC HOT WATER AND TEMPERED HW	1-1/2"

1.10 PIPE IDENTIFICATION:

- A. ALL PIPING SHALL BE IDENTIFIED WITH NAME AND FLOW DIRECTION ARROWS. MARKERS SHALL BE PLACED EVERY 40 LINEAL FEET ON STRAIGHT RUNS, AT CHANGES IN DIRECTION, AND AT WALL PENETRATIONS (BOTH SIDES).
- B. PIPE MARKERS SHALL BE EQUAL TO SETMARK, AS MANUFACTURED BY SETON NAMEPLATE CO.
 - 1. TEXT AND BACKGROUND COLORS SHALL FOLLOW ANSI A13.1.

PART 2 - PLUMBING

- 2.1 WATER PIPING: SHALL BE TYPE I HARD DRAWN COPPER TUBING CONFORMING TO ASTM B88, WITH ASME B16.22 WROUGHT COPPER FITTINGS, ASTM B32 SOLDER GRADE 95TA JOINTS.
- 2.2 BURIED DRAINAGE PIPING: SANITARY AND VENT PIPING SHALL BE CENTRIFUGALLY SPUN, BELL AND SPIGOT, SERVICE WEIGHT, CAST IRON PIPE, TAR COATED CONFORMING TO ASTM A74. FITTINGS SHALL BE MADE OF SAME MATERIAL AS PIPE AND SHALL BE COMPATIBLE WITH IT. JOINTS SHALL BE MADE USING NEOPRENE RUBBER GASKET FOR PUSH-ON JOINTING.
- 2.3 ABOVE GROUND DRAINAGE PIPING: SANITARY AND VENT PIPING SHALL BE CENTRIFUGALLY SPUN, BELL AND SPIGOT, SERVICE WEIGHT, "NO HUB" CAST IRON PIPE, TAR COATED, CONFORMING TO ASTM A74. FITTINGS SHALL BE MADE OF SAME MATERIAL AS PIPE AND SHALL BE COMPATIBLE WITH IT. JOINTS SHALL BE MADE USING NEOPRENE SEALING SLEEVE AND A 4-BAND STAINLESS STEEL SHIELD WITH TIGHTENING DEVICE.
- 2.4 NATURAL GAS PIPING: NATURAL GAS PIPING SHALL BE SCHEDULE 40 BLACK STEEL CONFORMING TO ASTM A53. FITTINGS SHALL BE 150 LB MALLEABLE IRON SCREWED CONFORMING TO ASTM B16.3. JOINTS SHALL BE THREADED OR WELDED IN ACCORDANCE WITH ANSI B31.2 AND NFPA 54.

2.5 VALVES SHALL BE AS FOLLOWS:

- A. BALL VALVES: 2" AND SMALLER - JAMESBURY CLINCHER SERIES 2000.
- B. PLUG VALVES: 2" AND SMALLER - DEZURIK SERIES 100.
- 2.6 WATER HAMMER ARRESTERS: TYPE "K" HARD DRAWN COPPER BARREL, BRASS PISTON AND THREADED ADAPTER, NORMAL OPERATING PRESSURE 35 TO 250 PSIG. WATER HAMMER ARRESTERS SHALL BE PRECISION PLUMBING PRODUCTS INC., SC SERIES, MODEL SC500 OR EQUAL.

PART 4 - EXECUTION

- 4.1 CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO THE START OF WORK INCLUDING SIZES OF PIPING TO BE REUSED. CONTRACTOR SHALL NOTIFY THE OWNER IF ANY DIFFERENCES FROM THE DESIGN DOCUMENTS ARE NOTED.
- 4.2 CONTRACTOR SHALL COORDINATE WITH ALL TRADES PRIOR TO THE START OF WORK.
- 4.3 ALL EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
- 4.4 CONTRACTOR SHALL INSTRUCT HOMEOWNER ON THE PROPER OPERATION AND MAINTENANCE OF ALL EQUIPMENT AT THE COMPLETION OF CONSTRUCTION AT A TIME CONVENIENT TO THE OWNER.
- 4.5 CONTRACTOR SHALL PROVIDE TWO COPIES OF PROJECT O&M MANUALS TO THE OWNER AT COMPLETION OF PROJECT.

DIVISION 1600 - ELECTRICAL

WORK INCLUDED - THE WORK TO BE PROVIDED UNDER THIS DIVISION INCLUDES:

- A. FEEDERS AND PANELS.
- B. POWER WIRING FOR MECHANICAL AND PLUMBING EQUIPMENT.

SCOPE - THIS WORK SHALL CONSIST OF THE FURNISHING OF ALL LABOR, MATERIALS AND SERVICES REQUIRED COMPLETE, READY FOR CORRECTION OPERATION, ALL ELECTRICAL WORK CALLED FOR BY THE ACCOMPANYING DRAWINGS AND SPECIFICATIONS. ALL ELECTRICAL SHALL BE PERFORMED IN ACCORDANCE WITH THE 2011 NATIONAL ELECTRICAL CODE, STATE AND LOCAL CODES.

PERMITS, FEES AND INSPECTIONS - THE CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES, OBTAIN ALL PERMITS, PAY ALL GOVERNMENTAL AND STATE SALES TAXES AND FEES APPLICABLE. THE CONTRACTOR SHALL FILE ALL DRAWINGS, AND OBTAIN ALL NECESSARY APPROVAL FROM PROPER AUTHORITY OR AGENCY HAVING JURISDICTION, OBTAIN ALL REQUIRED CERTIFICATES OF INSPECTION COVERING HIS WORK. THE CONTRACTOR SHALL SEE THAT ALL REQUIRED INSPECTIONS AND TESTS ARE MADE AND SHALL COOPERATE TO MAKE THESE TESTS AS THOROUGH AND AS READILY MADE AS POSSIBLE.

COORDINATION - ALL WORK SHALL BE CARRIED OUT IN CONJUNCTION WITH OTHER TRADES AND FULL COOPERATION SHALL BE GIVEN IN ORDER THAT ALL WORK MAY PROCEED WITH A MINIMUM OF DELAY AND INTERFERENCE.

GUARANTEES - ALL WORKMANSHIP AND MATERIALS SHALL BE FULLY GUARANTEED FOR A PERIOD OF ONE YEAR AFTER FINAL COMPLETION OF THE ENTIRE INSTALLATION COVERED BY THIS CONTRACT. SHOULD ANY DEFECTS OCCUR DURING THIS GUARANTEE PERIOD, THE CONTRACTOR SHALL REPAIR AND/OR REPLACE ALL DEFECTIVE EQUIPMENT, MATERIALS AND/OR WORK WITHOUT COST TO THE OWNER.

TEMPORARY LIGHT AND POWER - FURNISH AND INSTALL TEMPORARY ELECTRICAL POWER AND LIGHTING FOR USE BY ALL CONTRACTORS DURING THE COURSE OF CONSTRUCTION. ALL TEMPORARY WORK SHALL BE IN COMPLIANCE WITH ALL APPLICABLE ARTICLES IN THE NATIONAL ELECTRICAL CODE, O.S.H.A. AND WITH ALL REQUIREMENTS OF ANY AUTHORITIES HAVING JURISDICTION OVER WORK.

MATERIALS AND WORKMANSHIP - ALL MATERIALS AND APPARATUS REQUIRED FOR THE WORK EXCEPT AS OTHERWISE SPECIFIED, SHALL BE NEW AND OF FIRST-CLASS QUALITY AND SHALL BE FURNISHED, ERECTED, CONNECTED AND FINISHED IN EVERY DETAIL AND SO SELECTED AND ARRANGED AS TO FIT PROPERLY INTO THE BUILDING SPACES. WHERE NO SPECIFIC KIND OR QUALITY OF MATERIAL IS GIVEN, A FIRST-CLASS STANDARD ARTICLE AS ACCEPTED BY THE ARCHITECT SHALL BE FURNISHED. ALL EQUIPMENT AND MATERIALS SHALL BE SPECIFICATION GRADE AND BEAR THE UNDERWRITER'S LABEL. ALL WORK SHALL BE OF A QUALITY CONSISTENT WITH GOOD TRADE PRACTICE AND SHALL BE INSTALLED IN A NEAT, WORKMANLIKE MANNER. THE ARCHITECT RESERVES THE RIGHT TO REJECT ANY WORK WHICH, IN HER OPINION, HAS BEEN INSTALLED IN A SUB-STANDARD, DANGEROUS OR UNSERVICEABLE MANNER. THE CONTRACTOR SHALL REPLACE SAID WORK IN A SATISFACTORY MANNER AT NO EXTRA CHARGE TO THE OWNER.

PENETRATION SEALANT - ALL PENETRATIONS SHALL BE SEALED WITH 3M INTUMESCENT FIRE BARRIER PENETRATION SEALANT, APPLIED PER MANUFACTURER'S AND U.L. GUIDELINES.

MATERIALS:

GENERAL - ALL MATERIALS AND EQUIPMENT PROVIDED UNDER THIS SECTION SHALL BE NEW, FIRST GRADE, BEST OF THEIR SECTION AND SHALL MEET THE REQUIREMENTS OF ALL STANDARDS SET UP TO GOVERN THE MANUFACTURE OF ELECTRICAL MATERIALS AND COMPLY WITH ALL APPLICABLE CODES AND STANDARDS. ALL EQUIPMENT AND MATERIALS SHALL BE SPECIFICATION GRADE AND BEAR UNDERWRITER'S (U.L.) LABEL.

POWER - FROM UTILITY AT 240/120V, 1 PHASE, 3 WIRE IS AVAILABLE FROM EXISTING UTILITY METER AND METER CAN AS SHOWN ON THE DRAWINGS

WIRE - CONDUCTORS SHALL BE U.L. LISTED, 600 VOLTS, 90 DEG. C., SINGLE CONDUCTOR TYPE THINWTHIN. 89% CONDUCTIVITY ANNEALED UNCOATED COPPER WITH PVC INSULATION COVERED WITH NYLON SHEATH JACKET. TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE UNDERWRITER'S LABORATORIES STANDARD 83. WIRE SHALL BE IDENTIFIED BY SURFACE MARKING, INDICATING MANUFACTURER'S IDENTIFICATION, CONDUCTOR SIZE AND METAL, VOLTAGE RATING, U.L. SYMBOL AND TYPE DESIGNATION. CONDUCTORS SHALL BE STRANDED. MINIMUM SIZE SHALL BE #12AWG UNLESS OTHERWISE INDICATED. MANUFACTURED BY ESSEX, ROMEX CABLE, TRIANGLE CABLE OR GENERAL CABLE.

NON METALLIC SHEATHED CABLE - TYPE - NM-B CABLE SHALL BE OF MAXIMUM OPERATING VOLTAGE: 600 VOLTS, MAXIMUM CONDUCTOR OPERATING TEMPERATURE: 90°C DRY (CONDUCTOR AMPACITY IS LIMITED TO 60°C, IN ACCORDANCE WITH NEC)

ARMORED CABLE (AC) - ARMORED CABLE SHALL BE OF GALVANIZED STEEL INTERLOCKING ARMOR CONSTRUCTION. COLOR CODED THERMOPLASTIC INSULATED COPPER CONDUCTORS, 90 DEG. C, 600 VOLTS. CONDUCTOR SIZES SHALL BE AS INDICATED ON THE DRAWINGS. IF NOT INDICATED, THE SIZES OF POWER AND LIGHTING CONDUCTORS SHALL NOT BE LESS THAN SIZE #12AWG. MANUFACTURED BY AMERICAN FLEXIBLE CONDUIT, TRIANGLE OR SOUTHWIRE. CONNECTORS SHALL BE SQUEEZE TYPE, DIE CAST ZINC, OR MALLEABLE IRON - CADMIUM PLATED, MANUFACTURED BY O-Z GEDNEY, APPLETON OR THOMAS-BETTS.

FITTINGS - CONDUIT STRAPS SHALL BE SNAP-TYPE, DOUBLE RIBBED STEEL - ZINC PLATED. METAL CLAD CABLE AND FLEXIBLE METALLIC CONDUIT CONNECTORS SHALL BE MALLEABLE IRON-ZINC PLATED, MALE HUB THREADS WITH LOCKNUT.

BOXES - RECESSED OUTLET BOXES SHALL BE DRAWN STEEL, GALVANIZED WITH A MINIMUM DEPTH OF 1-1/2 INCHES. MINIMUM SIZE SHALL BE 4 INCH X 4 INCH SQUARE. PROVIDE AND INSTALL PLASTER RINGS AS REQUIRED. OUTLET BOXES FOR SURFACE MOUNTED SWITCHES AND RECEPTACLES SHALL BE TYPE FD, CAST FERRALLOY WITH THREADED HUBS. PROVIDE GASKETED COVER AS REQUIRED.

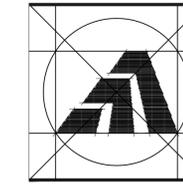
SWITCHES - SPECIFICATION GRADE, 120-277VAC 20 AMP, SINGLE POLE. COLOR SHALL BE (IVORY) (GRAY) (WHITE) (BROWN) (RED). RECEPTACLE AND SWITCH COVER PLATES SHALL BE (SMOOTH THERMOPLASTIC) (STAINLESS STEEL 302) (IVORY) (RED) (LABELED EMERGENCY) (WHERE INDICATED).

PANELBOARDS - PANELBOARDS: NEMA PB 1, CIRCUIT BREAKER TYPE, USE EXISTING PANEL AND EXISTING CIRCUIT BREAKER NOTED IN PANEL FOR BOILER CIRCUIT.

IDENTIFICATION - PROVIDE AND INSTALL MARKERS FOR ALL CONDUITS. MARKERS SHALL BE "BRADY" TYPE ADHESIVE-BACKED, PLASTIC-FACED OF SUITABLE COLOR. MARKER SHALL IDENTIFY SYSTEM AND ELECTRICAL CHARACTERISTICS. INSTALL MARKERS AT POINT OF ORIGIN, TERMINATION, ADJACENT TO EACH INTERMEDIATE SPLICE, AND ALL BOXES IN RUN. IDENTIFY ALL CONDUCTORS AT ORIGIN, TERMINATION AND AT INTERMEDIATE BOXES BY MEANS OF BRADY TYPE, PRESSURE SENSITIVE, PLASTIC COATED FACE, STICK-ON LABELS EXCEPT FEEDERS SHALL HAVE PHENOLIC TAGS ENGRAVED WITH CIRCUIT DESIGNATIONS AND ATTACHED WITH PLASTIC TIE-WRAPS.

TESTING - UPON COMPLETION OF HIS WORK, CONTRACTOR SHALL CONDUCT (WITH OTHER RELATED CONTRACTORS) OPERATING TESTS OF ALL ELECTRICALLY OPERATED OR CONTROLLED EQUIPMENT FOR APPROVAL AT SUCH TIME AS THE OWNER MAY DIRECT. EQUIPMENT SHALL OPERATE IN ACCORDANCE WITH THE REQUIREMENTS OF DRAWINGS AND SPECIFICATIONS. TESTS SHALL BE PERFORMED IN THE PRESENCE OF OWNER. THE CONTRACTOR SHALL PROVIDE LABOR, MATERIALS, AND INSTRUMENTS REQUIRED FOR ELECTRICAL PORTION OF TESTS. DEFECTIVE MATERIALS AND WORKMANSHIP DISCLOSED BY TEST SHALL BE CORRECTED AT CONTRACTOR'S EXPENSE.

PROTECTIVE PAINTING - TOUCH-UP FACTORY PAINTED EQUIPMENT THAT HAS BEEN DAMAGED DURING HANDLING OR INSTALLATION. FEATHER DAMAGED AREA AND APPLY PRIMER PLUS TWO FRESH COATS TO MATCH EXISTING FINISH.



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Sheet Title:
MEP SPECIFICATIONS

APPLICATION # 1198

DEGOURSEY RESIDENCE
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**STATE OF CONNECTICUT
DEPARTMENT OF HOUSING
COMMUNITY DEVELOPMENT BLOCK GRANT
DISASTER RECOVERY PROGRAM
(CDBG-DR)**

Date:
10/22/14

Job Number:
Drawn By: RJS/JKH
Approved By:

Sheet Number:
SP-1