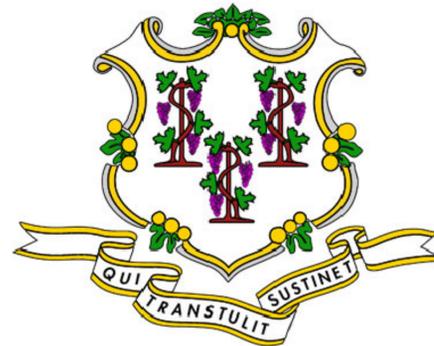


SUPER STORM SANDY *Response and Recovery*

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

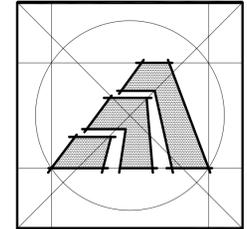
APPLICATION NO. 1275

**DILAURO RESIDENCE
10 EAST AVENUE
MILFORD, CONNECTICUT 06460**

NOVEMBER 28, 2014



ARCHITECT:



Amaya Architects

American Institute of Architects

284 RACEBROOK RD. TEL (203) 795 5656
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: 860-747-6822
An Employee Owned Company
email: info@loureiro.com
Comm No. 01MH4.08

GENERAL NOTES

- SCOPE OF WORK INCLUDES: ELEVATING EXISTING HOUSE, REPLACING EXISTING FOUNDATION SYSTEM AND PROVIDING NEW EXTERIOR STAIR.
- 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.

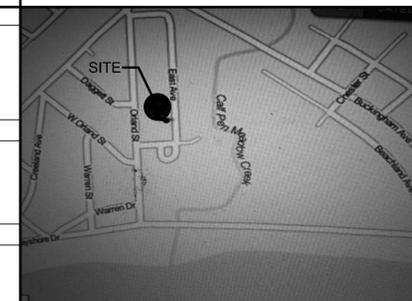
ABBREVIATIONS

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
OLL CONTRACT LIMIT LINE	MM MILLIMETER
OMU 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	PLAM PLASTIC LAMINATE
DIAG DIAGONAL	PLBG PLUMBING
DIAM DIAMETER	PLYWD PLYWOOD
DM DIMENSION	PNL PANEL
DN DOWN	PNT PAINT
DR DOOR	PT POINT
DS DOOR STOP	QT QUARRY TILE
DW DISH WASHER	R RISE(R)
DWG DRAWING	RA RETURN AIR
DWR DRAWER	RD ROOF DRAIN
EA EACH	REF REFERENCE
EF EXHAUST FAN	REINFORC 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	SHIT SHEET
EXT EXTERIOR	SIM SIMILAR
FACT FIN FACTORY FINISH	SP SPEAKER
FBO FURNISHED BY OTHERS	SPEC(S) SPECIFICATION(S)
FE FIRE EXTINGUISHER	SQ SQUARE
FEC FIRE EXTINGUISHER CABINET	SQ FT SQUARE FOOT (FEET)
FFE FINISH FLOOR ELEVATION	SS STAINLESS STEEL
FIN FINISH(ED)	ST STREET
FL FLUORESCENT	STL STEEL
FOF FACE OF FINISH	STD STANDARD
FP FIRE PROOFING	SUSP SUSPENDED
FPSC FIRE PROOF SOLID CORE	SYM SYMMETRY(ICAL)
FR FIRE RESISTANT	SYS SYSTEM
FS FULL SCALE	T & G TONGUE & GROOVE
FT FEET	TEL TELEPHONE
FTR FINNED TUBE RADIATION	TEMP TEMPERATURE
GA GAUGE	TERM THERMOSTAT
GC GENERAL CONTRACTOR	THK THICKNESS
GL GLASS	THRU THROUGH
GWB GYPSUM WALLBOARD	TOS TOP OF SLAB
HC HOLLOW CORE	TR TREAD
HD HEAVY DUTY	TST TOP OF STEEL
HDW HARDWARE	TV TELEVISION
HDWD HARDWOOD	TYP TYPICAL
HM HOLLOW METAL	UNLESS OTHERWISE NOTED
HOR HORIZONTAL	V VOLTS
HR HOUR	VAC VACUUM
HT HEIGHT	VCT VINYL COMPOSITE TILE
HTG HEATING	VERT VERTICAL
HVAC HEATING, VENT, AIR COND.	VIF VERIFY IN FIELD
HWH HOT WATER HEATER	W WIDTH
ID INSIDE DIAMETER	W/ WITH
IN INCH	W/O WITHOUT
INCL INCLUDE(ING)	WB WOOD BASE
INFO INFORMATION	WC WATER CLOSET
INSUL INSULATION	WO WOOD
INTR INTERIOR	WP WATERPROOF
INV INVERT	WPT WORKING POINT
IRC INTERNATIONAL RESIDENTIAL CODE	WR WATER RESISTANT
J-BOX JUNCTION BOX	WT WEIGHT
JT JOINT	YD YARD
KO KNOCK OUT	
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 PLANS	S-3 STRUCTURAL PLANS
Ex-2 EXISTING ELEVATIONS	S-4 STRUCTURAL DETAILS
D-1 DEMOLITION	
A-1 FLOOR PLANS	
A-2 EXTERIOR ELEVATIONS	
A-3 SECTION/DETAILS	

LOCATION MAP



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 FANLIGHT

BUILDING DESIGN DATA

GROUP R-3 FOR SINGLE FAMILY (2) STORY DWELLING
 BUILDING CATEGORY: II
 CONSTRUCTION TYPE: V
 WIND SPEED 100 MPH [PER IRC 2009 AND 2013 CT AMENDMENTS(AMD)]
 WIND IMPORTANCE FACTOR - (Iw)=1.49 - PER TABLE R301.2(3)
 WIND EXPOSURE - "C"

FLOOD ZONE - AE 11:
 REQUIRED: DFE = 11.0' x 1.25 + 1'-0" FREEBOARD (500-YEAR FLOOD ELEVATION)
 PROPOSED: DFE = 14.75' (TOP OF FOUNDATION)

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

APPLICABLE CODES

APPLICABLE CODES: 2009 INTERNATIONAL RESIDENTIAL CODE AND CT 2013 AMENDMENTS.

PER SECTION R301 DESIGN CRITERIA -
 R301.1 APPLICATION / MEETS REQUIREMENTS
 R301.2 CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA / MEETS REQUIREMENTS
 R301.2.1 (AMD) - WIND LIMITATIONS / MEETS REQUIREMENTS
 TABLE R301.2(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
 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)
 R301.2(3) - HEIGHT AND EXPOSURE COEFFICIENTS FOR TABLE R301.2(2):
 1.49 ADJUSTMENT PROVIDED
 R301.2.1.4 (AMD) - EXPOSURE CATEGORY / EXPOSURE C
 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
 R301.6 (AMD) - ROOF LOAD - EXISTING
 R301.7 - ALLOWABLE DEFLECTION / N/A

PER SECTION R302 - FIRE-RESISTANT CONSTRUCTION:
 R302.1 (AMD) - EXTERIOR WALLS - MINIMUM FIRE SEPERATION / EXISTING WALLS - NO RATING REQUIRED
 NEW DECKS AND STAIRS / MEET 9'-0" REQUIREMENTS - NO RATING REQUIRED

PER SECTION R303 - LIGHT, VENTILATION AND HEATING / MEETS REQUIREMENTS
 PER SECTION R304 - MINIMUM ROOM AREAS / MEETS REQUIREMENTS
 PER SECTION R305 - CEILING HEIGHTS / MEETS REQUIREMENTS
 PER SECTION R306 - SANITATION / MEETS REQUIREMENTS (BACKFLOW VALVE PROVIDED)
 PER SECTION R307 - TOILET, BATH AND SHOWER SPACES / MEETS REQUIREMENTS

PER SECTION R308 - GLAZING -
 R308.4 - HAZARDOUS LOCATIONS / TEMPERED WINDOWS PROVIDED

PER SECTION R309 - GARAGES -
 R309.1 - FLOOR SURFACE / MEETS REQUIREMENTS
 R309.3 - FLOOD HAZARD AREAS / MEETS REQUIREMENTS
 R309.4 - AUTOMATIC GARAGE DOOR OPENERS / MEETS REQUIREMENTS

PER SECTION R310 - EMERGENCY ESCAPE AND RESCUE OPENINGS -
 R310 - EMERGENCY ESCAPE AND RESCUE REQUIRED / N/A (EXISTING)
 R310.1.1 - MINIMUM OPENING AREA / PROVIDED IN EACH BEDROOM 5.7 REQ. D / N/A (EXISTING)

PER SECTION R311 - MEANS OF EGRESS -
 R311.1 - MEANS OF EGRESS / N/A (EXISTING)
 R311.2 - EGRESS DOOR / N/A (EXISTING)
 R311.3.1 - FLOOR ELEVATIONS AT THE REQUIRED EGRESS DOOR / N/A (EXISTING)

PER SECTION R312 - GUARDS -
 R312.1 - WHERE REQUIRED / PROVIDED
 R312.2 - HEIGHT / MEETS REQUIREMENTS
 R312.3 - OPENING LIMITATIONS / MEETS REQUIREMENTS

PER SECTION R313 - AUTOMATIC FIRE SPRINKLER SYSTEM -
 R313.2 (AMD) - ONE AND TWO FAMIL DWELLINGS AUTOMATIC FIRE SPRINKLER SYSTEM / N/A (EXISTING)

PER SECTION R314 - SMOKE ALARM:
 R314 - SMOKE ALARMS (PROVIDED)
 R314.4 (AMD) - POWER SOURCE (MEETS REQUIREMENTS)

PER SECTION R315 - CARBON MONOXIDE ALARM:
 R315.1 (AMD) - CARBON MONOXIDE ALARMS (PROVIDED)

PER SECTION R316 - FOAM PLASTIC:
 R316.4 - THERMAL BARRIER / N/A

PER SECTION R317 - PROTECTION OF WOOD AND WOOD BASED PRODUCTS AGAINST DECAY:
 R317.1 - LOCATION REQUIRED (MEETS REQUIREMENTS)

PER SECTION R318 - PROTECTION AGAINST SUBTERRANEAN TERMITES:
 R318.1 - SUBTERRANEAN TERMITE CONTROL METHODS (METHOD #3 PROVIDED)

PER SECTION R319 - SITE ADDRESS:
 R319.1 - ADDRESS NUMBERS (MEETS REQUIREMENTS)

PER SECTION R320 - ACCESSIBILITY:
 R320.1 - SCOPE (NOT REQUIRED / NOT PROVIDED)

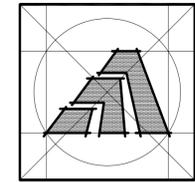
PER SECTION R321 - ELEVATORS AND PLATFORM LIFTS:
 (NOT REQUIRED / NOT PROVIDED)

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: DILAURO MELISSA
 10 EAST AVENUE
 MILFORD, CONNECTICUT 06480

SITE LOCATION: 10 EAST AVENUE
 MILFORD, CONNECTICUT 06480



Amaya Architects
 American Institute of Architects

284 RACEBROOK RD. TEL (203) 795 5656
 ORANGE, CT 06477 FAX (203) 799 3871

Sheet Title:
TITLE SHEET

APPLICATION # 1275
DILAURO RESIDENCE
 10 East Ave.
 Milford, Connecticut 06460

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

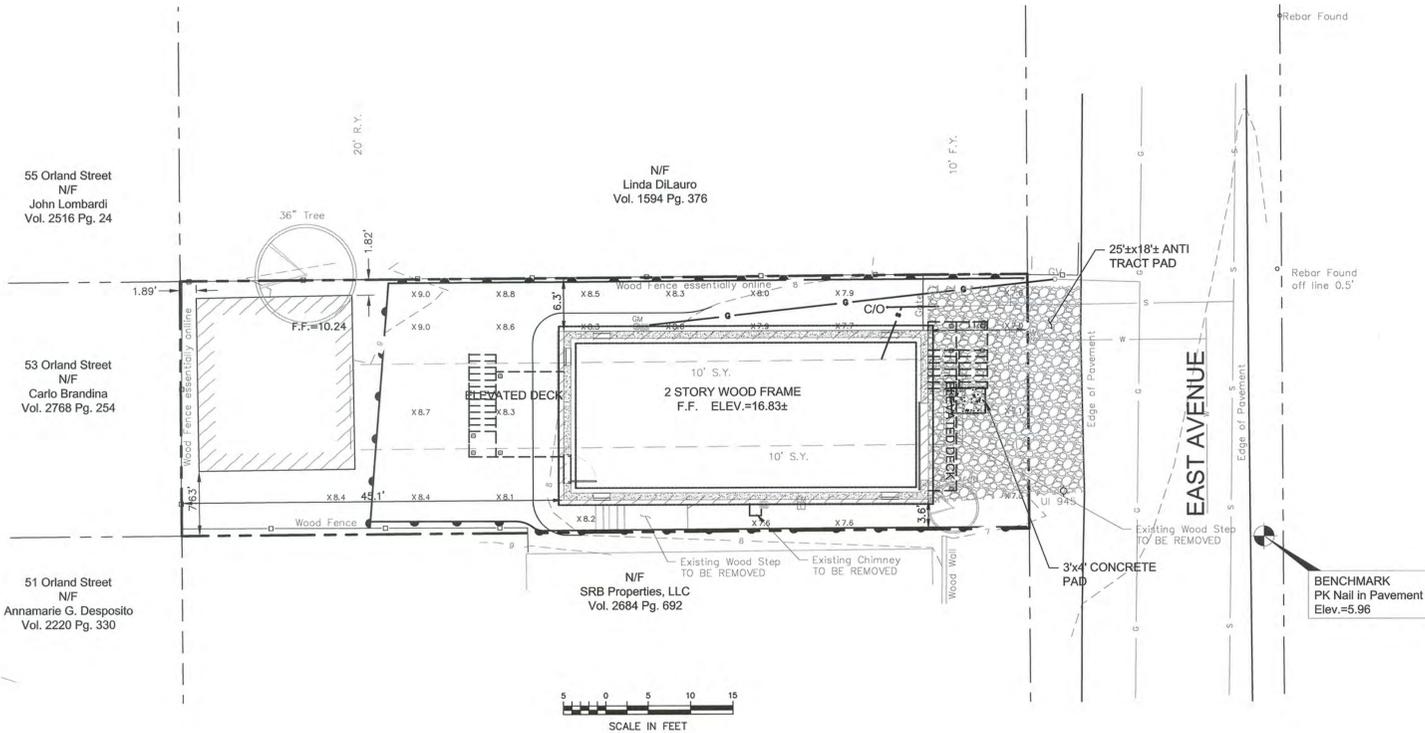
Date: 11/28/2014

Project Number: 1275
 Drawn By: J.V.L.

Sheet Number:
T1

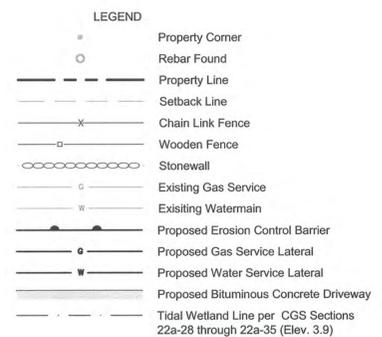
ZONING TABLE - R-5 ZONE			
Min. Lot Area	Required	Existing	Proposed
Min. Lot Area	5,000 S.F.	3,000± S.F.	No Change
Min. Setbacks			
Front Yard	10'	11.8'±	No Change
Side Yard	5' & 10'	1.82/8.3	No Change
Rear Yard	20'	1.89'	No Change
Max. Height (Stories)	3	1	2
Max. Height	35	12±	22.8'±
Building Floor Area	45%	42.1%±	40.9%
Lot Coverage	65%	42.1%±	40.9%

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



GENERAL NOTES:

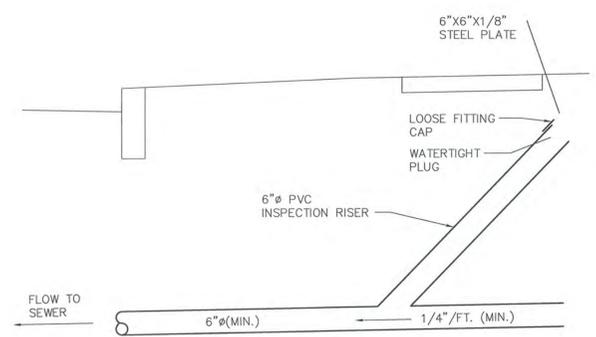
- Prior to demolition, all erosion control barriers shall be placed in accordance with the Town of Milford's requirements and shall be left in place and maintained until the work has been completed and surfaces stabilized.
- It shall be the responsibility of the contractor to monitor the condition of 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 contractor's 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 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.
- 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.



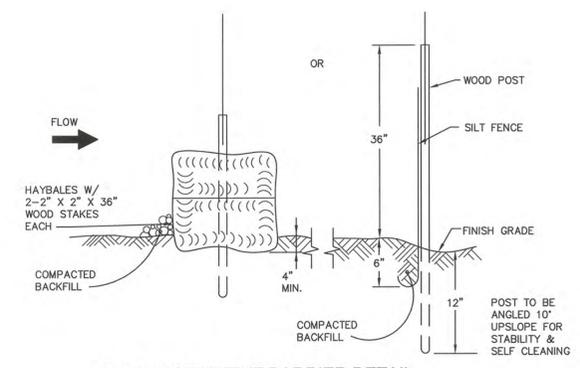
A CONDITION OF ALL SEWER PERMITS FOR INSTALLING RESIDENTIAL SEWER CONNECTIONS IS THE REQUIREMENT TO FURNISH AND INSTALL A SEWER INSPECTION RISER IN THAT AREA OF THE STREET RIGHT-OF-WAY BETWEEN THE CURB AND THE STREETLINE (FRONT PROPERTY LINE). THE INSPECTION RISER IS TO CONSIST OF A 45° WYE FITTING INSTALLED ON THE HOUSE CONNECTION SEWER APPROXIMATELY 4 FEET BEHIND THE STANDARD CURB LOCATION*. A 6" Ø PVC INSPECTION RISER PIPE IS TO BE INSTALLED TO WITHIN 12" OF THE FINISHED GROUND SURFACE AND FITTED WITH A WATERTIGHT PLUG. A 6"x6"x1/8" STEEL PLATE IS TO BE PLACED ABOVE THE END OF THE INSPECTION RISER WHEN BACKFILLING THE AREA TO GRADE TO ASSIST WITH FUTURE RECOVERY OF THE INSPECTION RISER BY MEANS OF A MAGNETIC DETECTOR.

*IN A SEWER EASEMENT THE INSPECTION RISER IS TO BE AT THE EDGE OF THE EASEMENT.

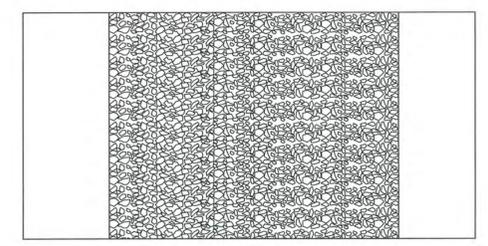
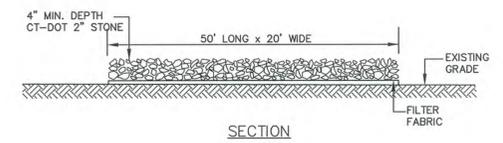
*IN LOCATIONS WHERE AN EXISTING LATERAL EXTENDS TO THE STREET LINE, THE "Y" CONNECTION SHALL BE PLACED AS CLOSE TO THE STREET LINE AS POSSIBLE, WITH THE INSPECTION RISER EXTENDING TO WITHIN 12" OF GRADE AND LOCATED ON PRIVATE PROPERTY.



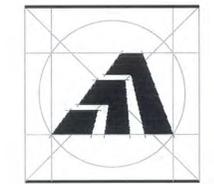
INSPECTION RISER DETAIL
N.T.S.



TYPICAL SEDIMENT BARRIER DETAIL
SCALE: NONE



TYPICAL ANTI-TRACKING PAD DETAIL
SCALE: NONE



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ORANGE, CT 06477 FAX (203) 799 3871

SMEP Consultant:



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100 Northwest Drive
Plainville, Connecticut 06062
Phone: 860-747-6181 / Fax: 860-747-8822
An Employee Owned Company
email : info@loureiro.com
Comm No. 01MH4.02

Sheet Title:
SITE PLAN & DETAILS

DILAURO RESIDENCE
10 East Avenue
Milford, Connecticut 06460

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

Date:
ISSUED FOR BIDDING 11/11/14

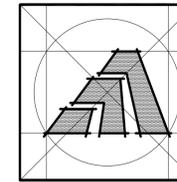
Job Number: 000
Drawn By: P.A.C.
Approved By: E.G.S.

Sheet Number:
C-1

To my knowledge and belief, this plan is substantially correct as noted hereon.
Edward G. Shelomis, P.E.
Edward G. Shelomis, P.E. PROFESSIONAL ENGINEER #9266



C:\AUTOCAD\PROJECTS\1144442.DWG TO EAST AVE.DWG\1144442-001 SITE PLAN.DWG Job: C-1 Sheet: 11/25/2014 1:27 PM Plotdate: 11/25/2014 1:28 PM



Amaya Architects
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Sheet Title:
EXISTING PLANS

APPLICATION # 1275

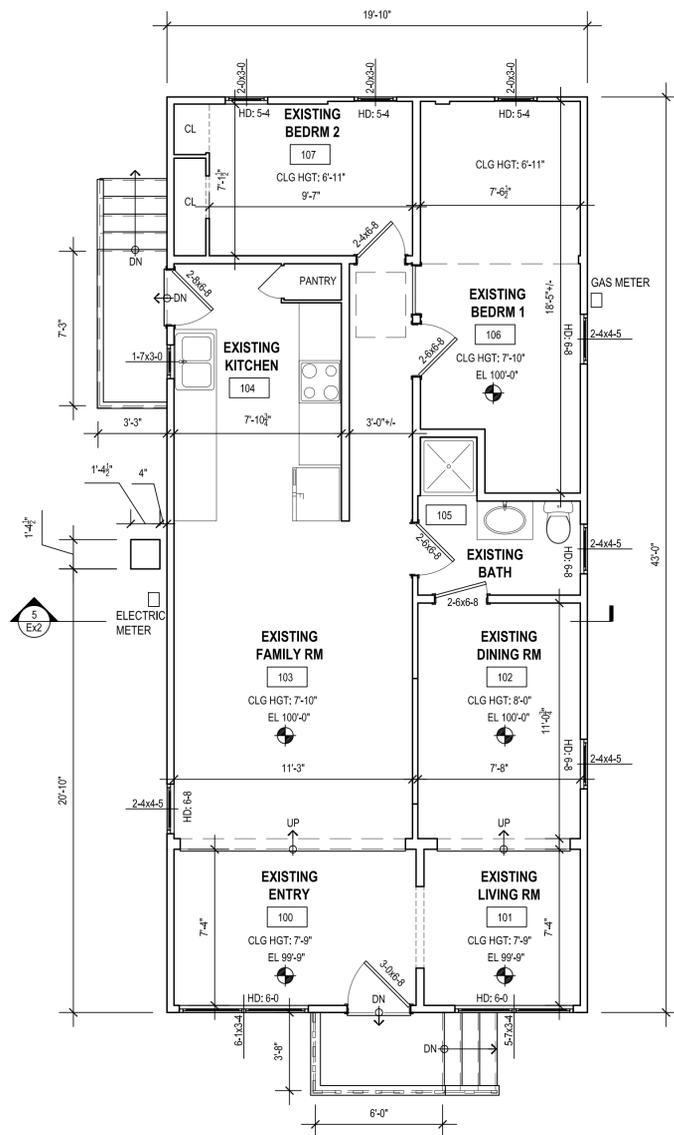
DILAURO RESIDENCE
10 East Avenue
Milford, Connecticut 06460

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

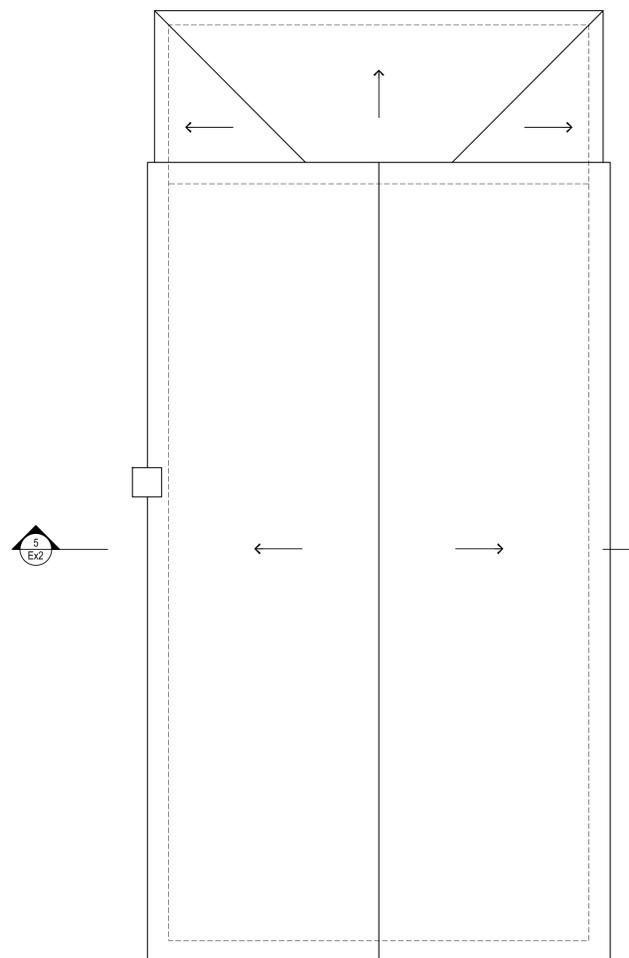
Date: ISSUED 11/24/2014

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

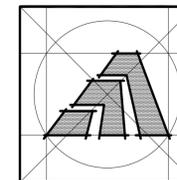
Sheet Number:
Ex1



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

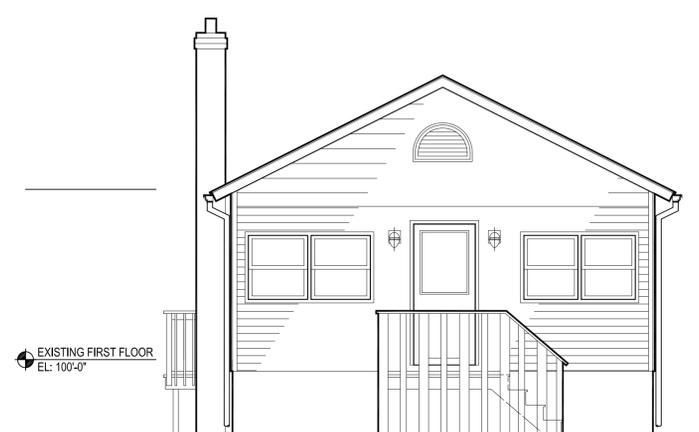


2 EXISTING ROOF PLAN
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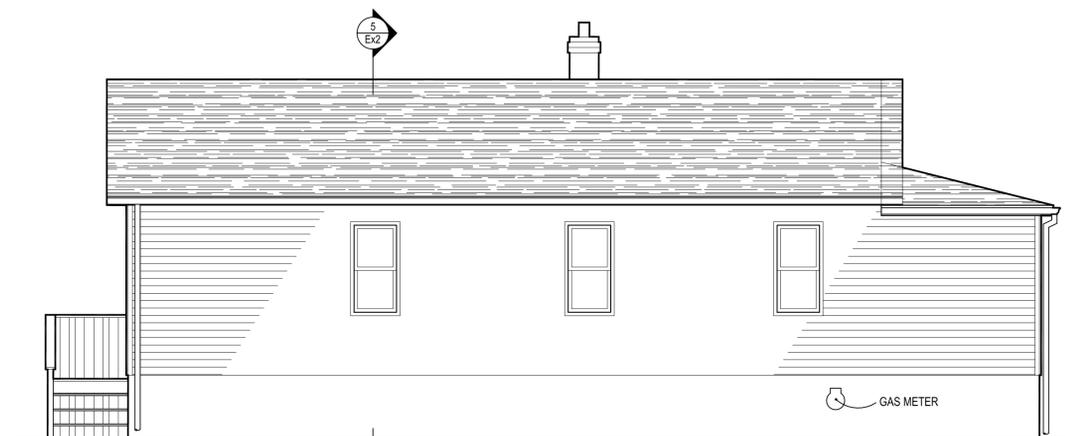


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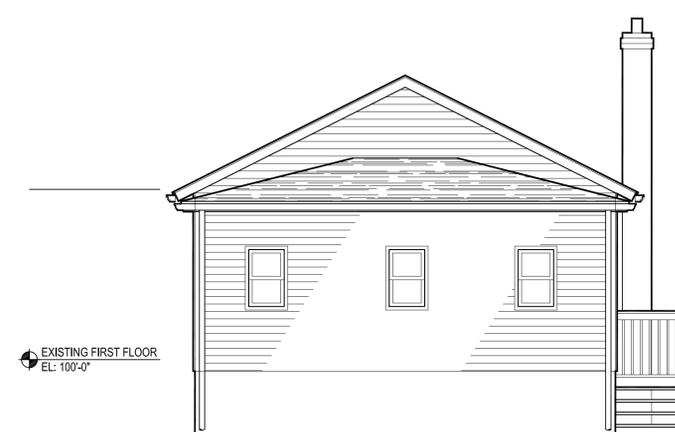
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1 EXISTING FRONT ELEVATION
SCALE: 1/4" = 1'-0"



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



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

Sheet Title:
ELEVATIONS - SECTION

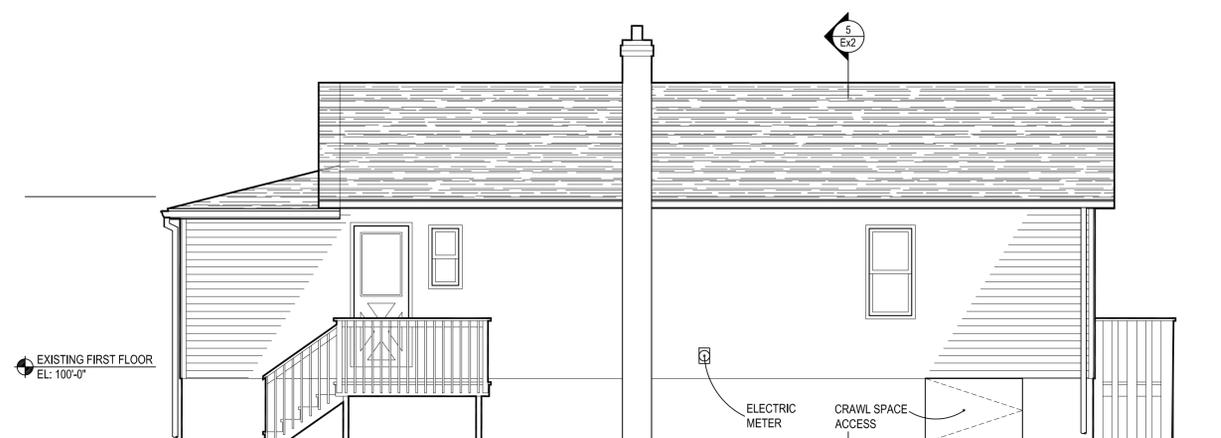
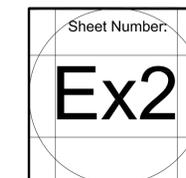
APPLICATION # 1275

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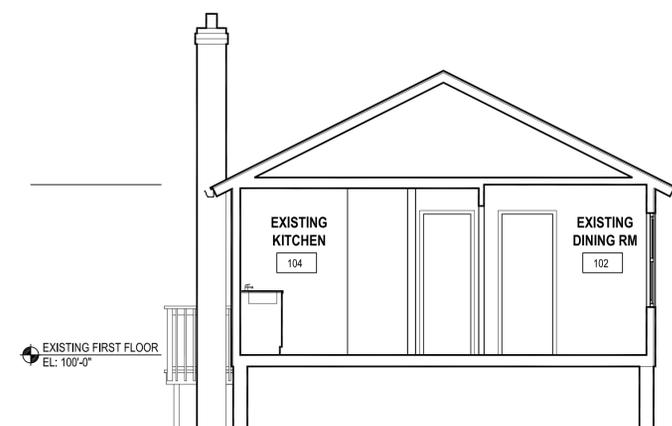
STATE OF CONNECTICUT
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DISASTER RECOVERY PROGRAM
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AND REBUILDING PROGRAM (OOR)

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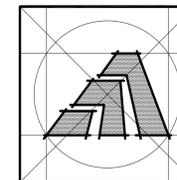
Job Number:
Drawn By: R.C.S.



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



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



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Sheet Title:
DEMO PLANS

APPLICATION # 1275

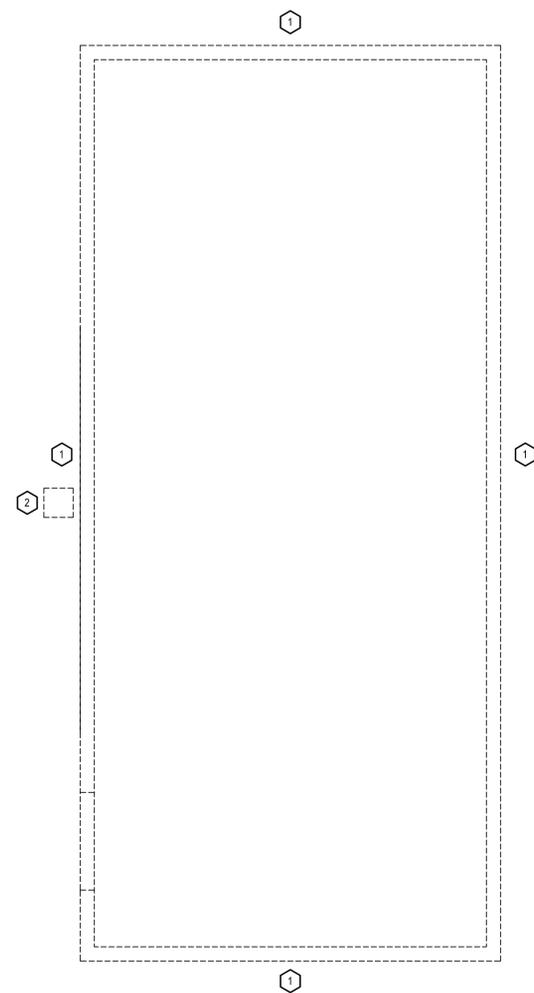
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DISASTER RECOVERY PROGRAM
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AND REBUILDING PROGRAM (OORR)

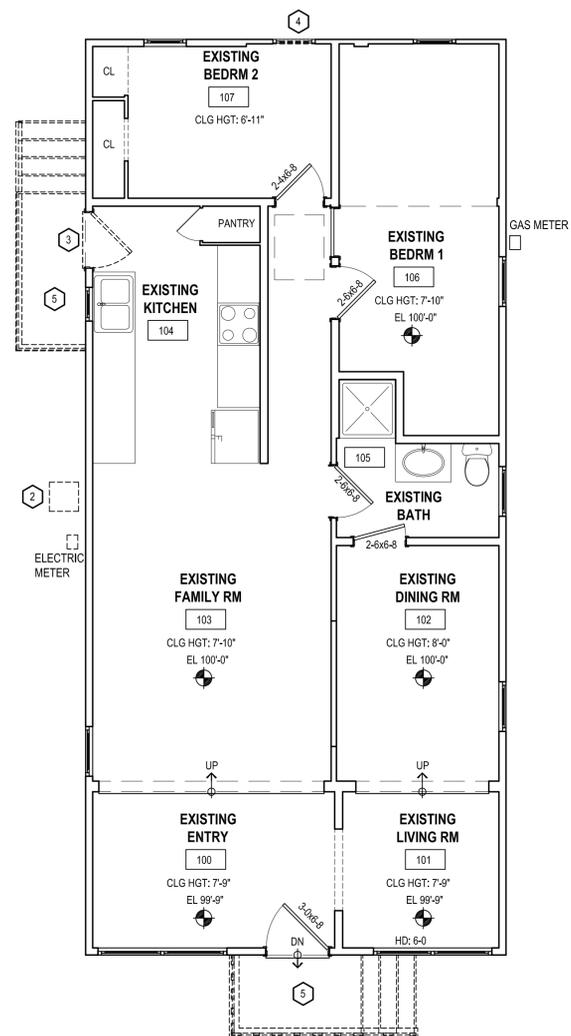
Date: ISSUED 12/04/2014

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

Sheet Number:
D1



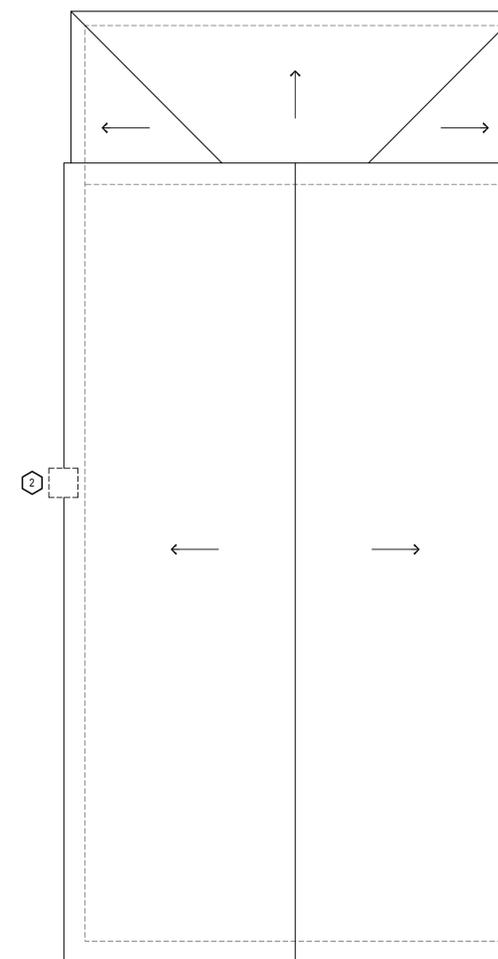
1 CRAWL SPACE DEMO PLAN
D1 SCALE: 1/4" = 1'-0"



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

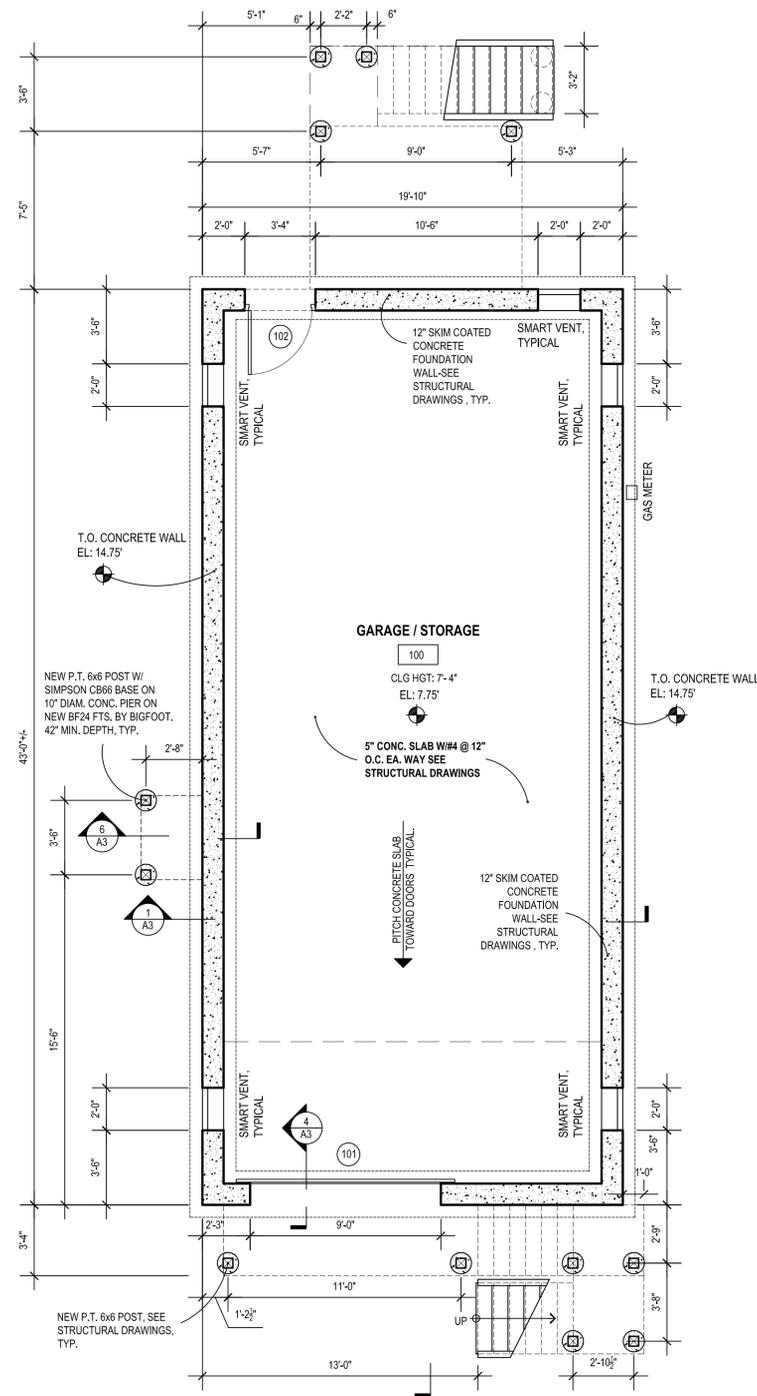
Wall Partition Legend

	EXISTING PARTITION TO REMAIN
	EXISTING WALLS TO BE REMOVED

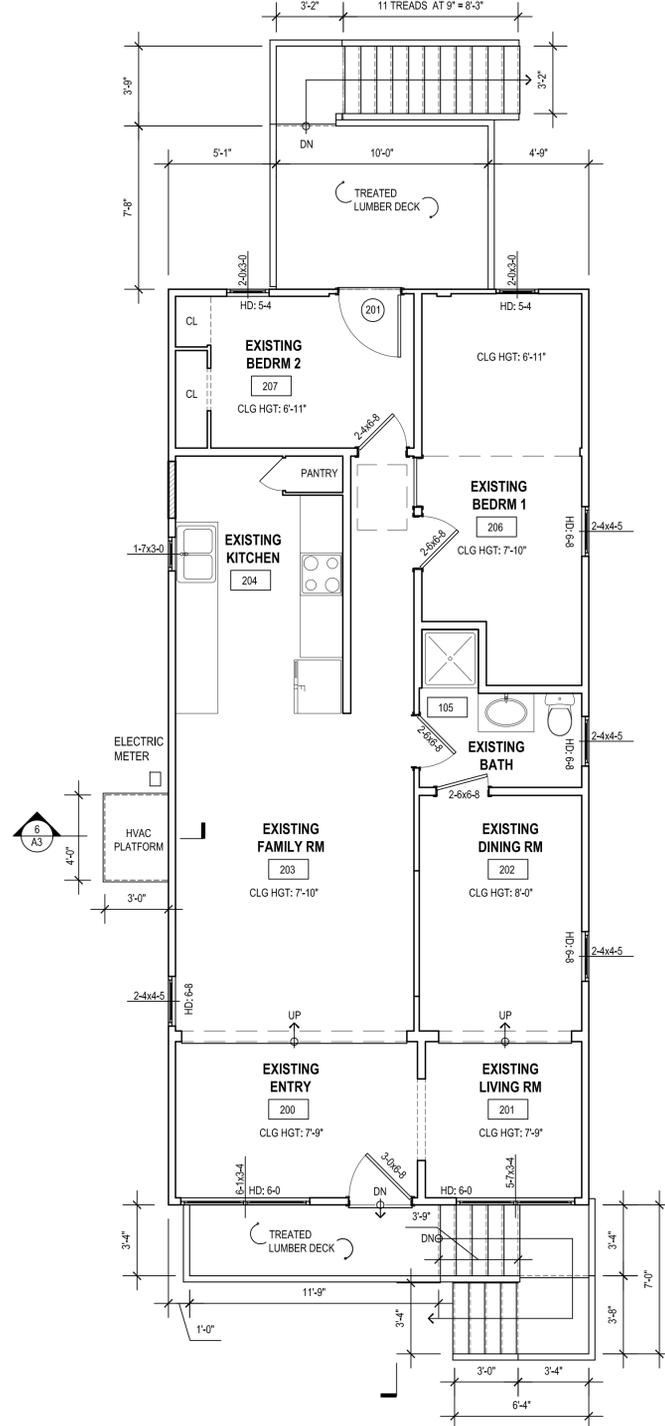


3 ROOF DEMO PLAN
D1 SCALE: 1/4" = 1'-0"

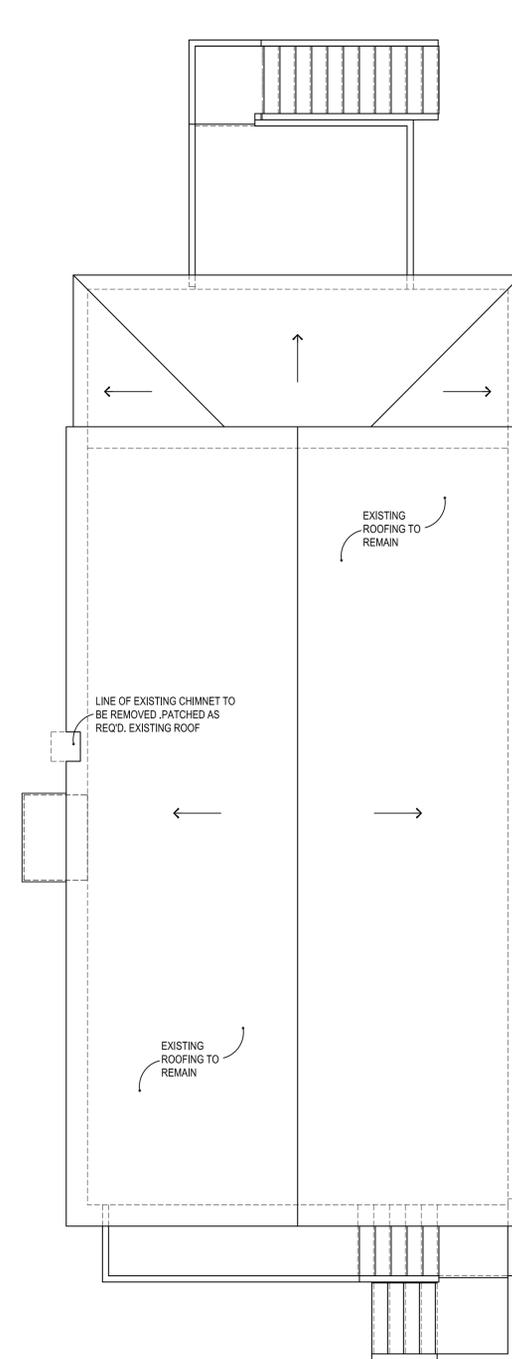
- Demolition Notes**
- REMOVE EXISTING FOUNDATION WALL AS REQUIRED - COORDINATE EXTENT OF DEMOLITION WITH NEW WORK AS DEPICTED IN ALL CONSTRUCTION DOCUMENTS
 - REMOVE EXISTING CHIMNEY
 - REMOVE EXISTING DOOR AND FRAME
 - REMOVE EXISTING WINDOW AND FRAME
 - REMOVE EXISTING DECK AND STAIR



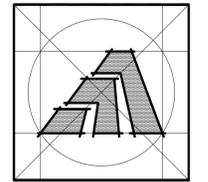
1 BASEMENT/ FOUNDATION PLAN
SCALE: 1/4" = 1'-0"



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



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



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Sheet Title:
FLOOR PLANS

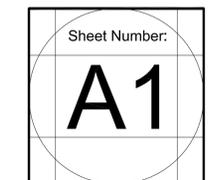
APPLICATION # 1275

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10 East Avenue
Milford, Connecticut 06460

STATE OF CONNECTICUT
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COMMUNITY DEVELOPMENT BLOCK GRANT
DISASTER RECOVERY PROGRAM
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Date: ISSUED 12/04/2014

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Drawn By: R.C.S.



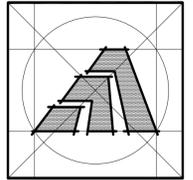
DOOR SCHEDULE

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 6-8	FIBERGLASS	SHOP PAINT						OVERHEAD DOOR UNIT - PANEL SELECTED BY OWNER
(102)	GARAGE 100	BROSCO	GENERIC	3-0 x 6-8	FIBERGLASS	SHOP PAINT						SINGLE DOOR UNIT - PANEL SELECTED BY OWNER
(201)	REAR DECK	BROSCO	GENERIC	2-6 x 6-8	FIBERGLASS	SHOP PAINT						INSWING PATIO DOOR-SELECTED BY OWNER

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 CONCRETE FOUNDATION WALL
	NEW PARTITION
	EXISTING PARTITION TO REMAIN



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Sheet Title:
EXTERIOR ELEVATIONS

APPLICATION # 1275

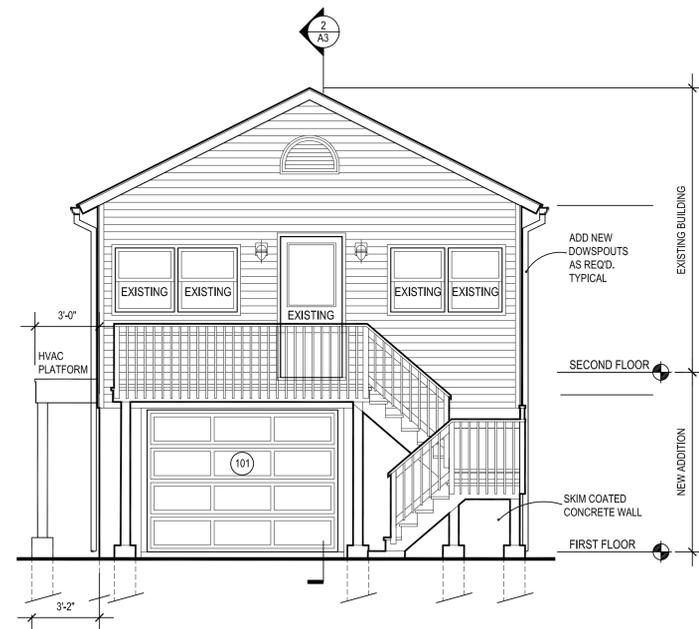
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DISASTER RECOVERY PROGRAM
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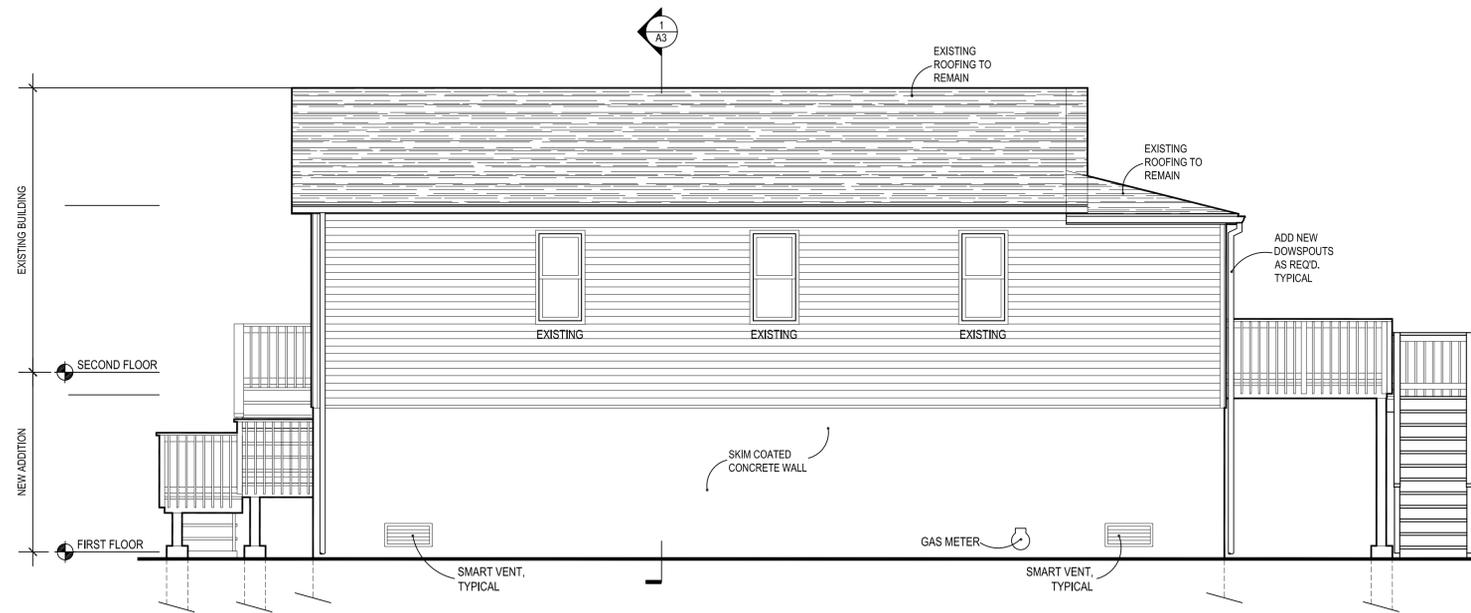
Date: ISSUED 12/04/2014

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

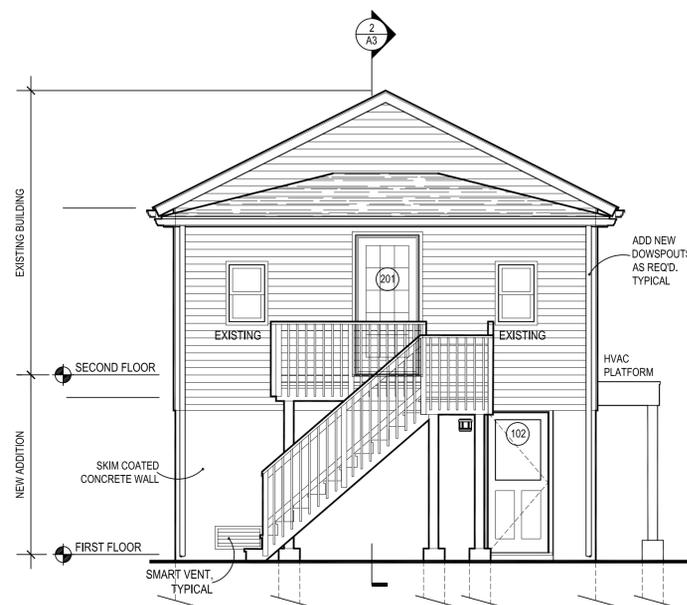
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A2



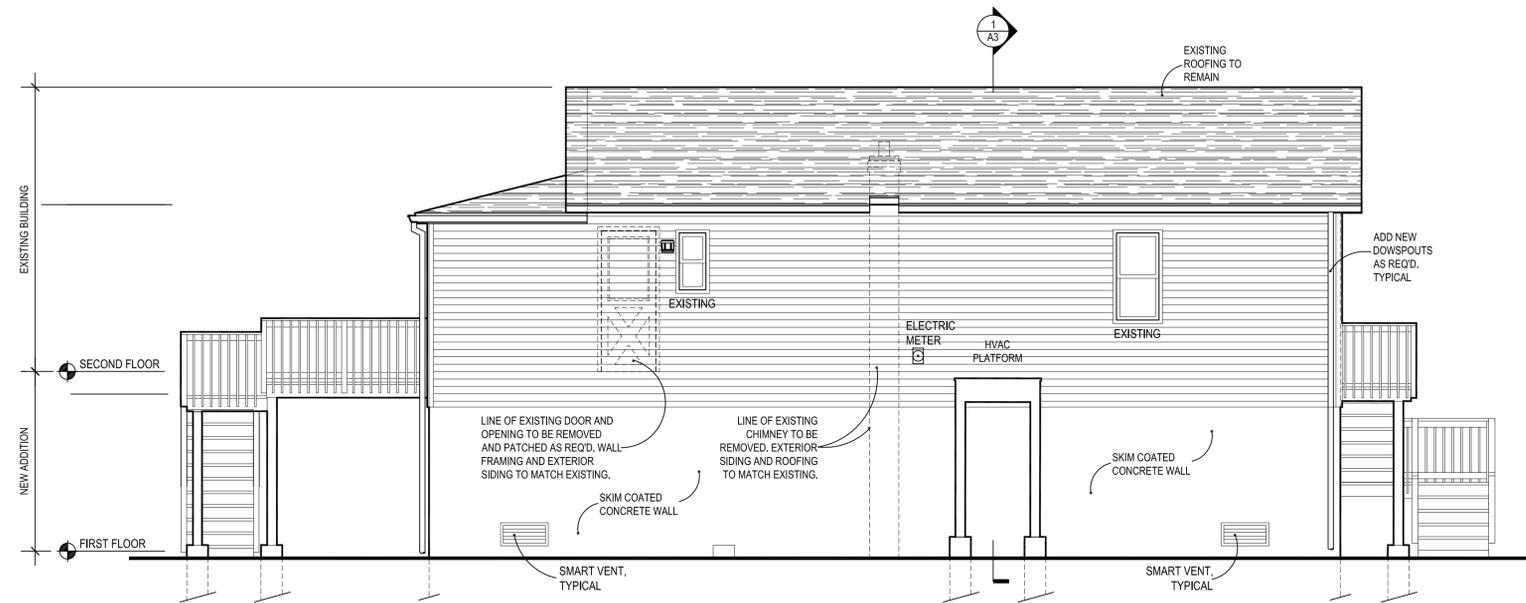
1 FRONT ELEVATION
A2 SCALE: 1/4" = 1'-0"



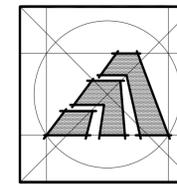
2 RIGHT SIDE ELEVATION
A2 SCALE: 1/4" = 1'-0"



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



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



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Sheet Title:
BUILDING SECTIONS

APPLICATION # 1275

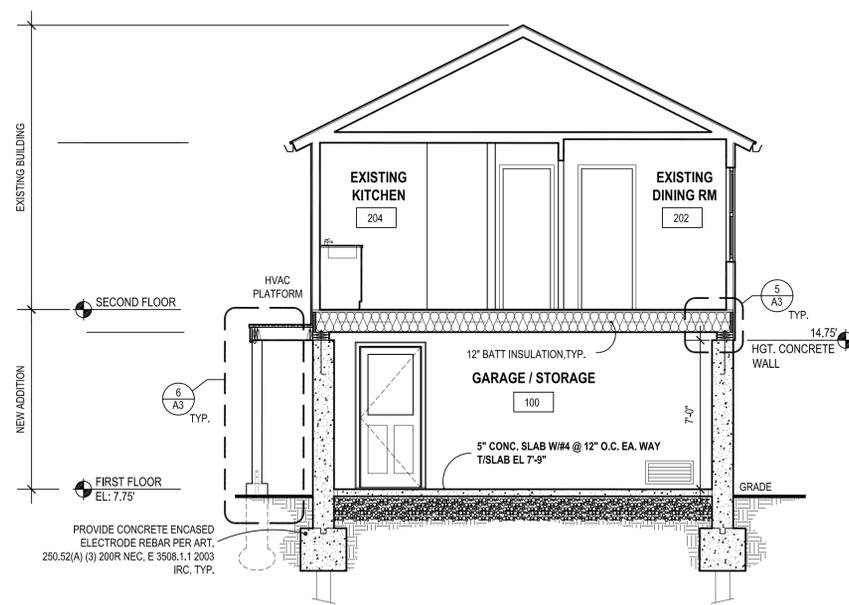
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**STATE OF CONNECTICUT
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DISASTER RECOVERY PROGRAM
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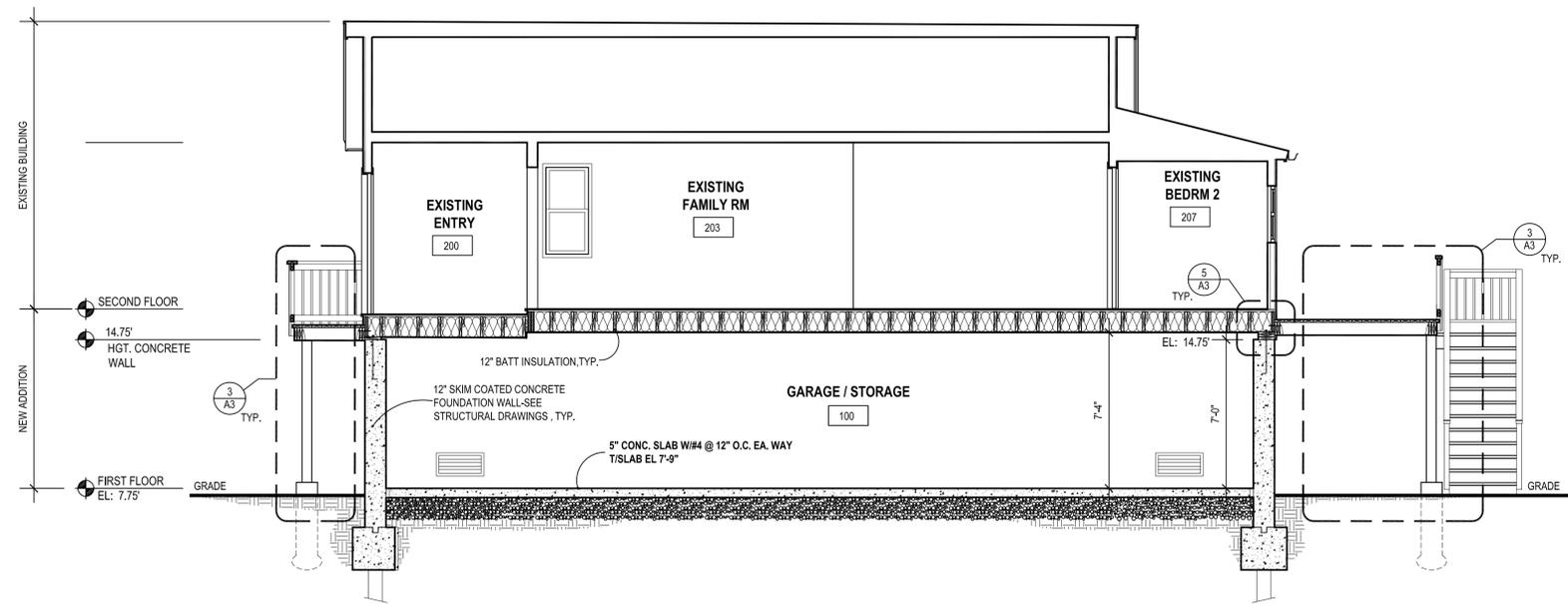
Date: ISSUED 12/04/2014

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

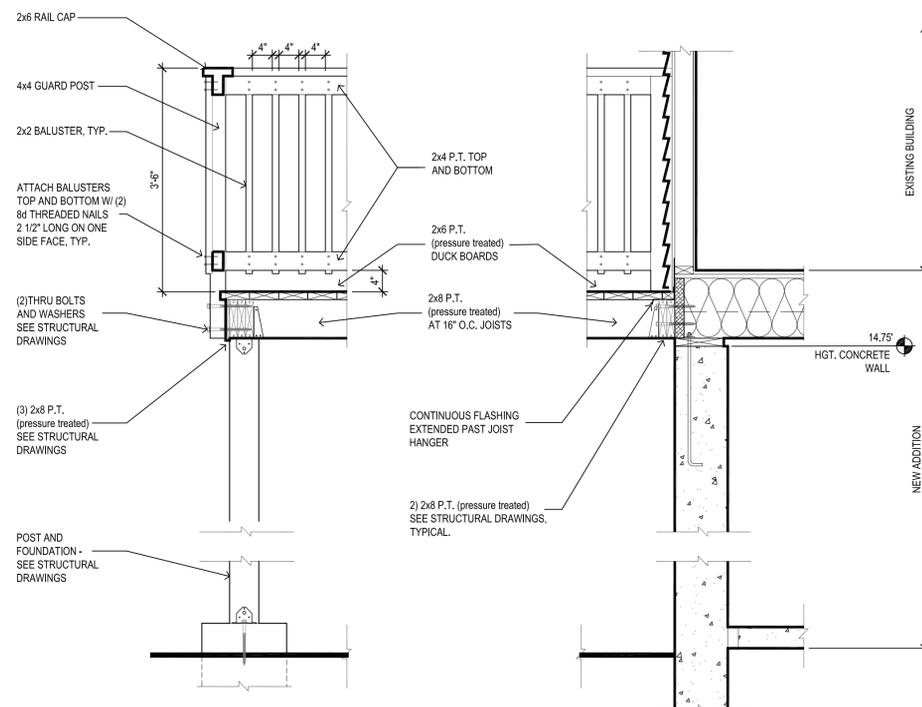
Sheet Number:
A3



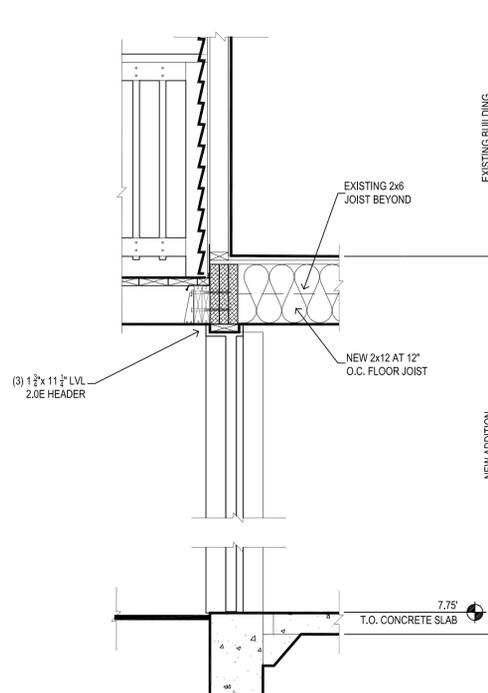
1 BUILDING SECTION
SCALE: 1/4" = 1'-0"



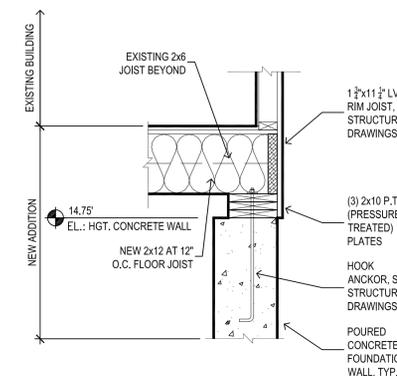
2 BUILDING SECTION
SCALE: 1/4" = 1'-0"



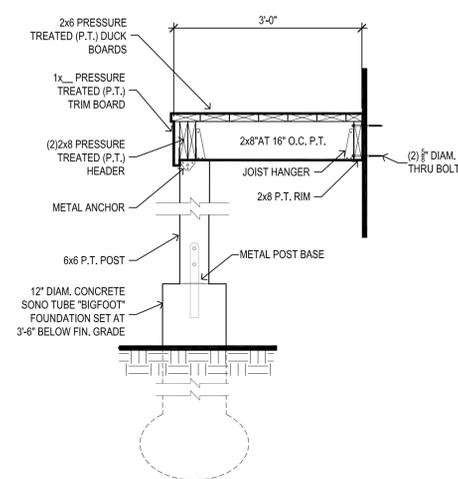
3 Typical Deck Section
SCALE: 3/4" = 1'-0"



4 Wall Section at Garage Door
SCALE: 3/4" = 1'-0"



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



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

GENERAL NOTES:

1. THE STRUCTURAL PLANS AND SPECIFICATIONS, TO THE BEST OF OUR KNOWLEDGE, COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE INTERNATIONAL RESIDENTIAL CODE AND THE 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 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.

REINFORCED CONCRETE NOTES:

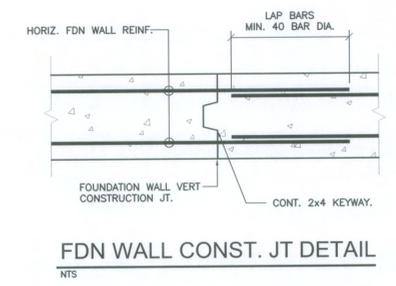
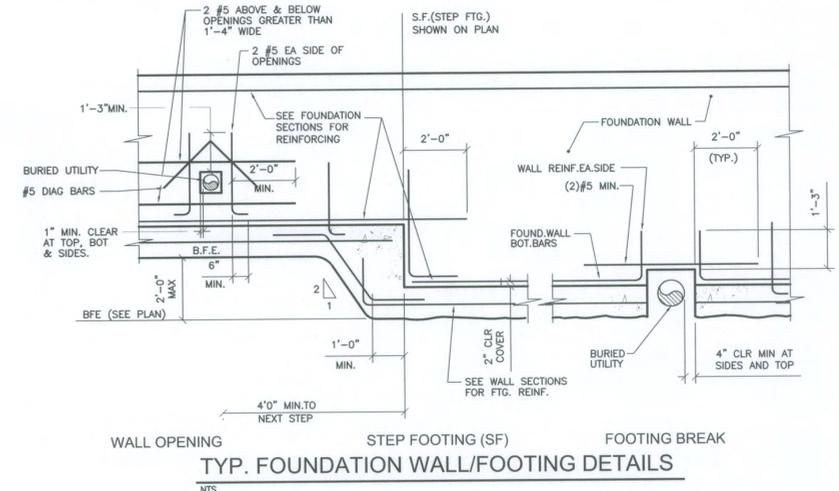
1. STRUCTURAL CONCRETE AND CONCRETING PRACTICES SHALL CONFORM WITH ACI-318-02, "AMERICAN CONCRETE INSTITUTE, BUILDING CODE FOR REINFORCED CONCRETE." DETAILS SHALL BE IN ACCORDANCE WITH ACI-135, "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" UNLESS OTHERWISE NOTED ON THE DRAWINGS.
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 STRIPPERS 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 SPICE 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 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 6.4. 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 50 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.

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 LTS 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.
5. 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.

STRUCTURAL STEEL NOTES:

1. FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, "MANUAL OF STEEL CONSTRUCTION" (LATEST EDITION) OR THE "MANUAL FOR STEEL CONSTRUCTION, LOAD AND RESISTANCE FACTOR DESIGN" (LATEST EDITION).
2. ALL STEEL DETAILS AND CONNECTIONS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE AISC "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS, ALLOWABLE STRESS DESIGN AND PLASTIC DESIGN", (LATEST EDITION) OR THE "MANUAL FOR STEEL CONSTRUCTION, LOAD AND RESISTANCE FACTOR DESIGN" (LATEST EDITION). BRACED FRAME CONNECTIONS SHALL BE DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AISC "SEISMIC PROVISIONS FOR STRUCTURAL BUILDINGS" 2002 EDITION.
3. ALL ROLLED SHAPES SHALL CONFORM TO ASTM STANDARD A572, GRADE 50 UNLESS SPECIFICALLY INDICATED ELSEWHERE ON OTHER DRAWINGS.
4. STEEL FOR TUBE SECTIONS SHALL COMPLY WITH ASTM A500 GRADE B, FY = 46 KSI, PIPE STEEL SHALL COMPLY WITH ASTM A 500 GR B, FY = 42 KSI.
5. ALL CONNECTION MATERIAL, BASE PLATES, ANGLES AND MISCELLANEOUS FRAMING SHALL CONFORM TO ASTM STANDARD A-36 UNLESS OTHERWISE NOTED.
6. SHOP AND FIELD CONNECTIONS NOT SPECIFICALLY DETAILED ON THE DRAWINGS MAY BE BOLTED OR WELDED.
7. WHEN NOT SPECIFICALLY DETAILED ELSEWHERE ON THE DRAWINGS, ALL BEAM TO BEAM AND BEAM TO COLUMN CONNECTIONS SHALL BE TWO SIDED WEB ANGLE CONNECTIONS.
8. ALTERNATE CONNECTIONS WILL BE ACCEPTED ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER. HOWEVER, THE ENGINEER SHALL BE THE SOLE JUDGE OF ACCEPTABILITY AND THE CONTRACTOR'S BID SHALL ANTICIPATE THE USE OF THOSE SPECIFIC DETAILS SHOWN ON THE DRAWINGS. IN ANY EVENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF SUCH ALTERNATE DETAILS WHICH HE PROPOSES.
9. WHEN INDICATED AS BOLTED ON THE DRAWINGS, ALL SHOP OR FIELD BOLTED BEAM TO BEAM CONNECTIONS SHALL BE BOLTED CONNECTIONS USING 3/4 INCH DIAMETER A325 BEARING BOLTS IN STANDARD HOLES UNLESS SPECIFICALLY NOTED OTHERWISE.
10. ALL BEAMS AND GIRDERS SHALL BE CONNECTED FOR 115% OF REACTION DENOTED BY THE SYMBOL V ON PLAN. IF NO REACTION IS GIVEN PROVIDE CONNECTIONS PER NOTE 12 BELOW.
11. ALL BEAM AND GIRDER CONNECTIONS SHALL BE A LEAST CAPABLE OF DEVELOPING THE UNIFORMLY DISTRIBUTED LOAD CAPACITY OF THE MEMBER USING THE REACTION FROM THE ALLOWABLE LOAD OF BEAM AS TABULATED IN THE MANUAL OF STEEL CONSTRUCTION PART 2, (LATEST EDITION) UNLESS NOTED OTHERWISE.
12. WHEN INDICATED AS BOLTED ON THE DRAWINGS, ALL SHOP OR FIELD BOLTED COLUMN SPLICES, COLUMN TO BEAM CONNECTIONS AND BRACING CONNECTIONS SHALL BE BEARING TYPE CONNECTIONS USING 3/4 INCH DIAMETER A325 BOLTS IN STANDARD HOLES.
13. SPLICES SHALL BE ALLOWED ONLY AT LOCATIONS SPECIFICALLY INDICATED ON THE STRUCTURAL DRAWINGS UNLESS APPROVED OTHERWISE BY THE ENGINEER IN WRITING.
14. OVERSIZED OR SLOTTED HOLES SHALL NOT BE USED FOR ANY CONNECTIONS UNLESS SPECIFICALLY INDICATED ON THE DRAWINGS OR APPROVED IN WRITING BY THE ENGINEER.
15. ALL ANCHOR RODS SHALL CONFORM TO F1554 UNLESS OTHERWISE NOTED.
16. THE STRUCTURAL STEEL CONTRACTOR SHALL COORDINATE THE BOTTOM OF BASE PLATE ELEVATION WITH THE TOP OF CONCRETE ELEVATION. IN CASE OF CONFLICT, THE CONTRACTOR SHALL MAKE ALLOWANCE IN HIS BID FOR THE MOST STRINGENT REQUIREMENTS.
17. ALL WELDS INDICATED SHALL MEET THE MINIMUM WELD SIZE SPECIFIED BY THE CURRENT AISC MANUAL OF STEEL DESIGN.
18. ALL WELDING SHALL BE PERFORMED BY QUALIFIED WELDERS IN ACCORDANCE WITH A.W.S. SPECIFICATIONS, (LATEST EDITIONS). ALL WELDING ELECTRODES SHALL CONFORM TO A.W.S. A5.1 GRADE E-70. BARE ELECTRODES AND GRANULAR FLUX SHALL CONFORM TO A.W.S. A5.17, F70 A.W.S. FLUX CLASSIFICATION.
19. PROVIDE WELDED STIFFENER PLATES ON BOTH SIDES OF THE WEB OF BEAMS AT POINTS OF CONCENTRATED LOAD.
20. THE FILLER BEAMS SHOULD BE SPACED EQUALLY BETWEEN THE SUPPORTS IF NOT OTHERWISE NOTED ON THE DRAWINGS.
21. CUTS, HOLES, COPING, ETC. REQUIRED FOR WORK OF OTHER TRADES SHALL BE SHOWN ON THE SHOP DRAWINGS AND MADE IN THE SHOP. CUTS OR BURNING OF HOLES IN STRUCTURAL STEEL MEMBERS IN THE FIELD WILL NOT BE PERMITTED.
22. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS AND DRAWINGS RELATED TO OTHER TRADES. THE GENERAL CONTRACTOR IS RESPONSIBLE TO CHECK AND COORDINATE DIMENSIONS, CLEARANCES, ETC., WITH THE WORK OF OTHER TRADES.
23. THE STRUCTURAL STEEL CONTRACTOR SHALL VERIFY AND COORDINATE THE LOCATIONS OF BEAMS AND GIRDERS AROUND ELEVATORS WITH THE ARCHITECTURAL AND MECHANICAL DRAWINGS.
24. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH SHOP DRAWINGS TO BE APPROVED PRIOR TO FABRICATING STEEL.

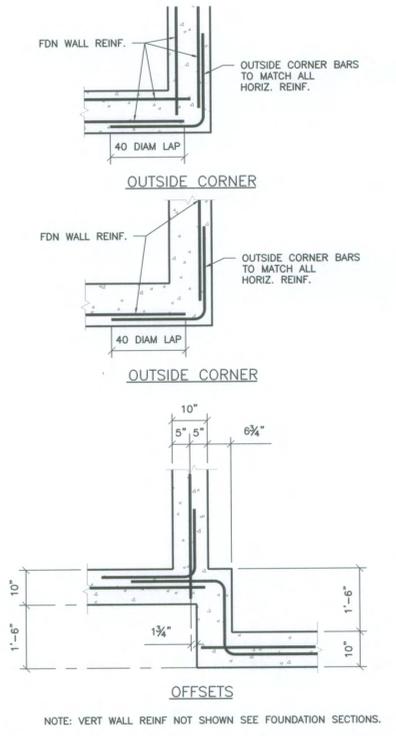


SCHEDULE OF SPlice LENGTH

BAR SIZE	COMPRESSION	TENSION (fc=4,000psi)			
		LAP SPlice LENGTH			
		TOP BARS		OTHER BARS	
LAP SPlice LENGTH	CATEGORY SEE NOTE 1 BELOW		CATEGORY SEE NOTE 1 BELOW		
	I	II	I	II	
#3	12"	24"	36"	19"	28"
#4	15"	36"	48"	25"	37"
#5	19"	40"	60"	31"	46"
#6	23"	48"	72"	37"	55"
#7	27"	70"	105"	54"	81"
#8	30"	80"	120"	62"	92"
#9	34"	90"	136"	70"	104"
#10	39"	102"	153"	78"	117"
#11	43"	113"	170"	87"	130"
NOT USED ON DWG.		• LCS		• LTS	

NOTES FOR SCHEDULES OF SPlice LENGTH:

1. THE SCHEDULES BELOW INCLUDE SPlice LENGTHS WHICH SATISFY THE PROJECT REQUIREMENTS AND THE FOLLOWING CRITERIA:
 - fy=60,000psi
 - CONCRETE WEIGHT = 150lb/cu.ft.
 TENSION SPlice LENGTHS ARE DIVIDED INTO TWO CATEGORIES WHICH SHALL BE APPLIED AS FOLLOWS:
 - CATEGORY I: CLEAR SPACING OF BARS BEING DEVELOPED OR SPliced NOT LESS THAN db, CLEAR COVER NOT LESS THAN db, AND BEAM STIRRUPS OF COLUMN TIES THROUGHOUT Ld NOT LESS THAN THE CODE MINIMUM OR CLEAR SPACING OF BARS BEING DEVELOPED OR SPliced NOT LESS THAN 2db & CLEAR COVER NOT LESS THAN db.
 - CATEGORY II: BARS NOT COVERED BY CATEGORY I.
2. USE COMPRESSION LAP SPlice LENGTH (LCS) AT ALL COLUMN SPlice LOCATIONS NOT SPECIFICALLY DETAILED AND UNLESS INDICATED OTHERWISE ON PLANS OR DETAIL. USE TENSION SPlice LENGTH FOR ALL OTHER SPlices (UNLESS OTHERWISE SHOWN ON DRAWINGS).
3. THE STANDARD LAP SPlice (0.0005 x fy x d) IS USED FOR COMPRESSION IN SPlices AND CLASS "B" SPlice IS USED FOR TENSION SPlices. THE CONTRACTOR MAY SUBMIT LESSER SPlice LENGTHS FOR REVIEW AND APPROVAL AT THE SAME TIME PROVIDING THE FOLLOWING INFORMATION:
 - A. DETAILS PREPARE AND SUBMITTED BY THE CONTRACTOR INDICATING LOCATION AND PROPOSED LAYOUT OF REBARS AND LENGTHS OF SPlices.
 - B. WHERE THE SIZE AND NUMBER OF TIES OR SPIRALS PERMITS THE REDUCTION OF LAP LENGTH, THOSE BARS SHALL BE INDICATED ON THE DETAILS.
 - C. WHERE COMPUTED STRESS VALUES PERMIT THE REDUCTION OF LAP LENGTH, COMPUTATIONS SHALL BE SUBMITTED FOR REVIEW.
 - D. THE APPLICABLE SECTION OF THE ACI-905 CODE PERMITTING THE LESSER SPlice LENGTH SHALL BE INDICATED IN THE SUBMITTED MATERIAL.
4. TOP BARS ARE HORIZONTAL BARS PLACED SO THAT MORE THAN 12 INCHES OF CONCRETE IS CAST IN THE MEMBER BELOW THE BAR.



Coastal Materials Testing Lab, LLC 10 Hart Street West Haven, CT 06516 Phone: 203-691-5966		CLIENT: Amaya Architects	SHEET 1 OF 1 HOLE NO. B-1							
FOREMAN - DRILLER TP/cm		PROJECT NO. G106-9734-14	BORING LOCATIONS per sketch							
INSPECTOR		PROJECT NAME 10 East Avenue	LOCATION Milford, CT							
GROUND WATER OBSERVATIONS AT 7 FT AFTER 0 HOURS AT FT AFTER HOURS		CASING TYPE HSA	SAMPLER SS	CORE BAR OFFSET						
		DATE START 6/16/14	DATE FINISH 6/16/14							
		SIZE I.D. 3 3/4"	1 3/8"	DATE FINISH 6/16/14						
		HAMMER WT 140#	BIT BIT	SURFACE ELEV. GROUND WATER ELEV.						
		HAMMER FALL 30"								
DEPTH	SAMPLE				BLOWS PER 6 IN ON SAMPLER (FORCE ON TUBE) 0-6 6-12 12-18	CORE TIME PER FT (MIN)	DENSITY OR CONSIST	STRATA CHANGE DEPTH	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.	
	NO	Type	PEN	REC					DEPTH @ BOT	MOIST
5	1	ss	24"	10"	20"	8	5	06"	brn MC SAND, lit F gravel, tr silt	
	2	ss	24"	12"	40"	3	4	20"	brn SILT, sm MC SAND, lit F gravel	
	3	ss	24"	18"	60"	11	12		brn FMC SAND, lit F gravel, sm cobbles	
	4	ss	24"	17"	80"	19	33		SAME	
	5	ss	24"	17"	80"	35	36		brn FM SAND, sm FC gravel, lit C sand	
	6	ss	24"	18"	100"	31	35		lit cobbles	
10	5	ss	24"	18"	100"	31	35		brn FMC SAND, sm F gravel, tr silt	
	6	ss	24"	16"	120"	8	16		brn FMC SAND, lit F gravel, silt	
15	7	ss	24"	18"	170"	4	7		150"	
						11	15		160"	
20	8	ss	24"	19"	220"	5	6		150"	
						11	19		160"	
25	9	ss	11"	11"	25 1/2"	39	60 1/2"		brn FM SAND, sm silt	
									brn FMC SAND, sm F gravel, lit silt little cobbles (230'-235')	
30	10	ss	5"	5"	30 5/8"	60 5/8"			brn gry FMC SAND, sm F gravel, lit silt, tr C gravel	
									300"	
35									316"	
									316"	
40									316"	
									316"	

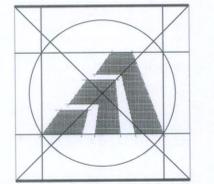
NOTE: Subsoil conditions revealed by this investigation represent conditions at specific locations and may not represent conditions at other locations or times.

GROUND SURFACE TO FT. USED CASING THEN CASING TO FT. HOLE NO. B-1

A = AUGER UP = UNDISTURBED PISTON T = THINWALL V = VANE TEST
 WOH = WEIGHT OF HAMMER & RODS C = COARSE
 SS = SPLIT TUBE SAMPLER H.S.A. = HOLLOW STEM AUGER M = MEDIUM
 PROPORTIONS USED: TRACE = 0 - 10% LITTLE = 10 - 20% SOME = 20 - 35% AND = 35 - 50% F = FINE

SOIL BORING LOG

NTS



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Comm No. 01M44.02

Sheet Title:
STR. NOTES & BORING

APPLICATION # 1275

DILAURO RESIDENCE
10 East Avenue
Milford, Connecticut 06460

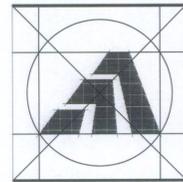
STATE OF CONNECTICUT
DEPARTMENT OF HOUSING
COMMUNITY DEVELOPMENT BLOCK GRANT
DISASTER RECOVERY PROGRAM
(CDBG-DR)

Date:
ISSUED FOR BIDDING 1/11/14

Job Number:
Drawn By: JRO
Approved By: EGS

Sheet Number:
S-1





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SMEP Consultant:



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Comm No. 01MH4.02

Sheet Title:
PLUMBING PLANS

APPLICATION # 1275

DILAURO RESIDENCE
10 East Avenue
Milford, Connecticut 06460

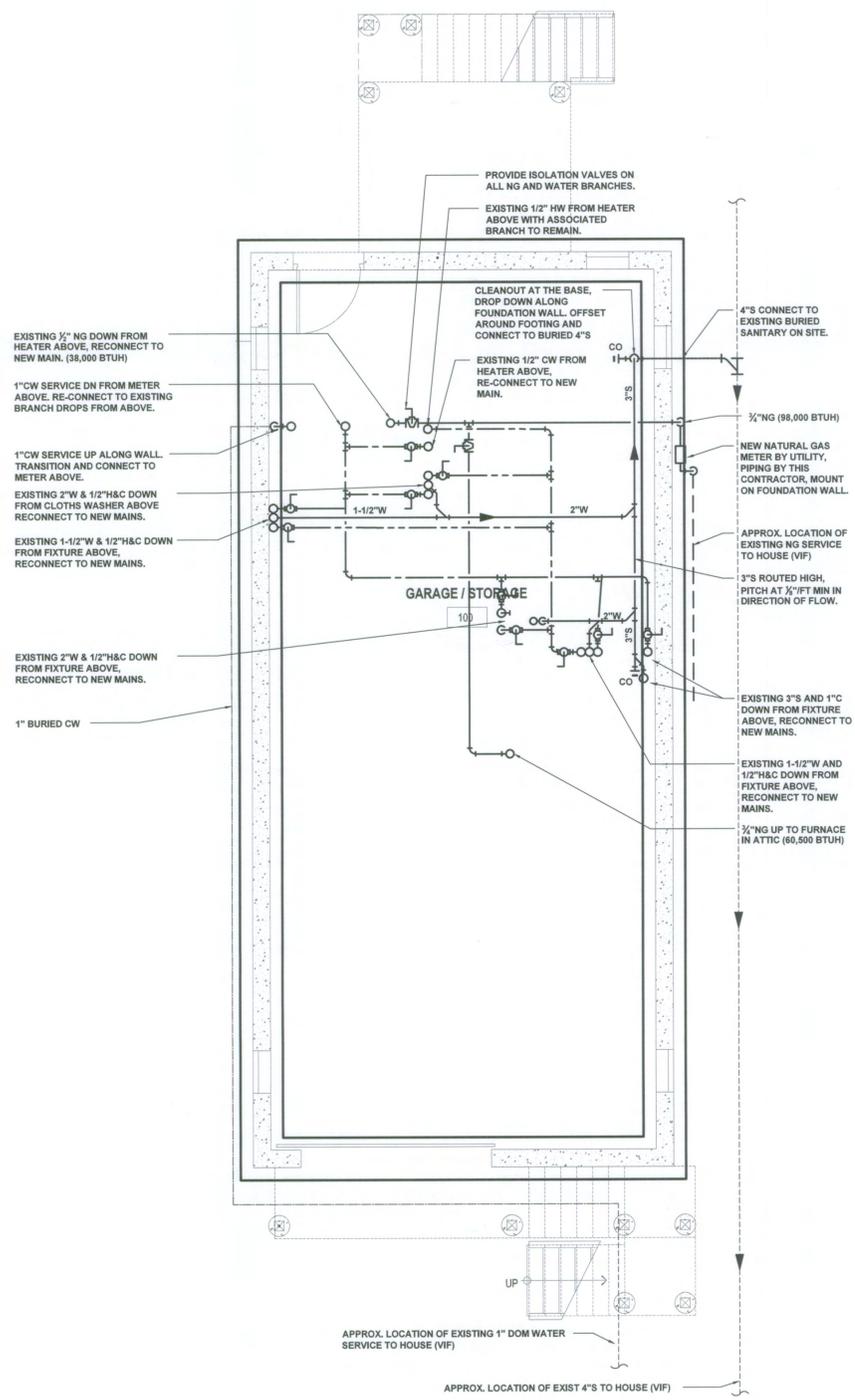
STATE OF CONNECTICUT
DEPARTMENT OF HOUSING
COMMUNITY DEVELOPMENT BLOCK GRANT
DISASTER RECOVERY PROGRAM
(CDBG-DR)

Date:
ISSUED FOR BIDDING 11/12/14

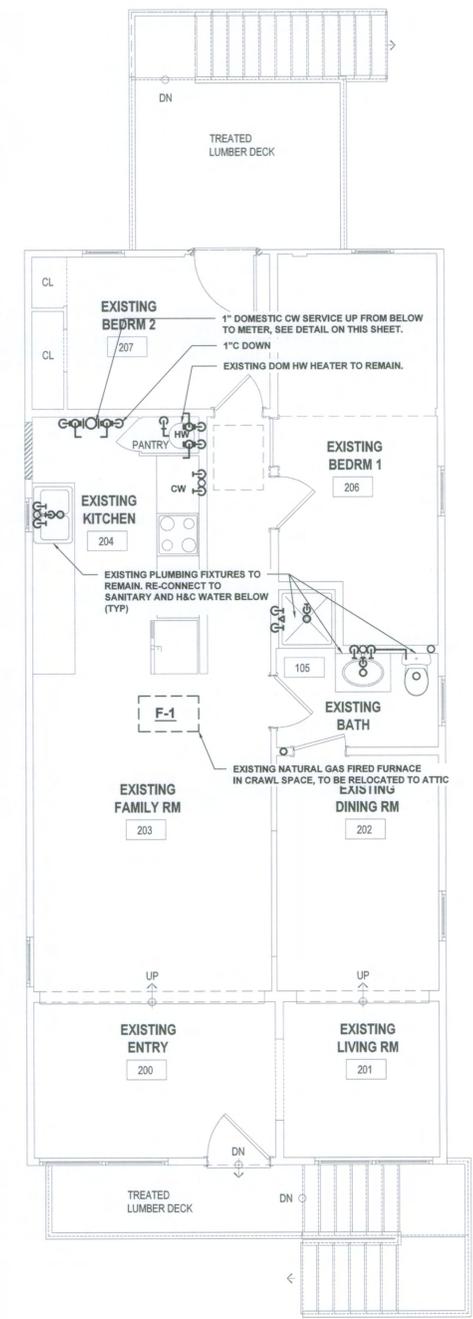
Job Number:
Drawn By: JTF
Approved By: RJS

Sheet Number:

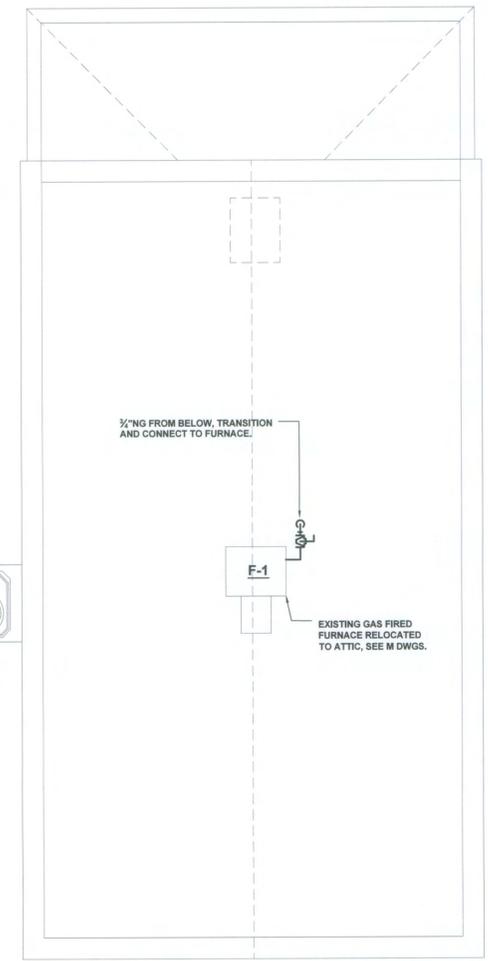
P-1



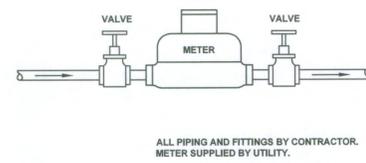
1 FIRST FLOOR PLAN
1/4"=1'-0"



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



3 ATTIC PLAN
1/4"=1'-0"



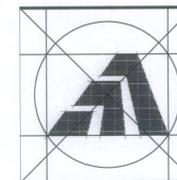
4 TYPICAL WATER METER PIPING DETAIL
NTS

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.

- NOTE:
- INFORMATION SHOWN IS BASED UPON CASUAL FIELD OBSERVATIONS. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO THE START OF WORK.
 - PIPE ROUTING SHOWN IS SCHEMATIC IN NATURE. ACTUAL ROUTING SHALL BE COORDINATED WITH EXISTING UTILITIES AND OTHER TRADES PRIOR TO THE START OF WORK.
 - CONTRACTOR SHALL DEMOLISH EXISTING BUILDING UTILITIES BACK TO SUIT INSTALLATION OF NEW UTILITIES SHOWN.
 - 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.
 - INSTALL ALL EQUIPMENT PER MANUFACTURERS RECOMMENDATIONS.
 - ROUTE ALL PIPING UP OUT OF THE FLOOD PLAN.
 - ALL WATER PIPING TO BE HEAT TRACED, REFER TO ELEC DWGS.
 - FASTEN UTILITIES TO STRUCTURE.

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Comm No. 01MH4.02

Sheet Title:
MECHANICAL PLANS

APPLICATION # 1275

DILAURO RESIDENCE
10 East Avenue
Milford, Connecticut 06460

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

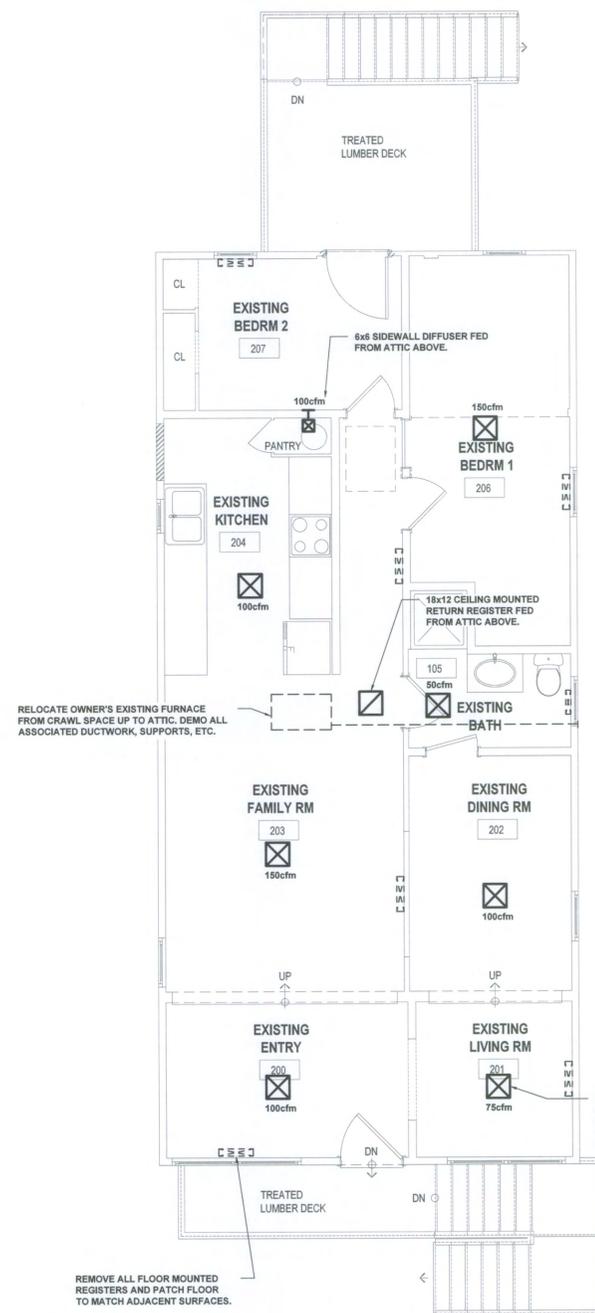
Date:
ISSUED FOR BIDDING 11/12/14

Job Number:
Drawn By: JTF
Approved By: RJS

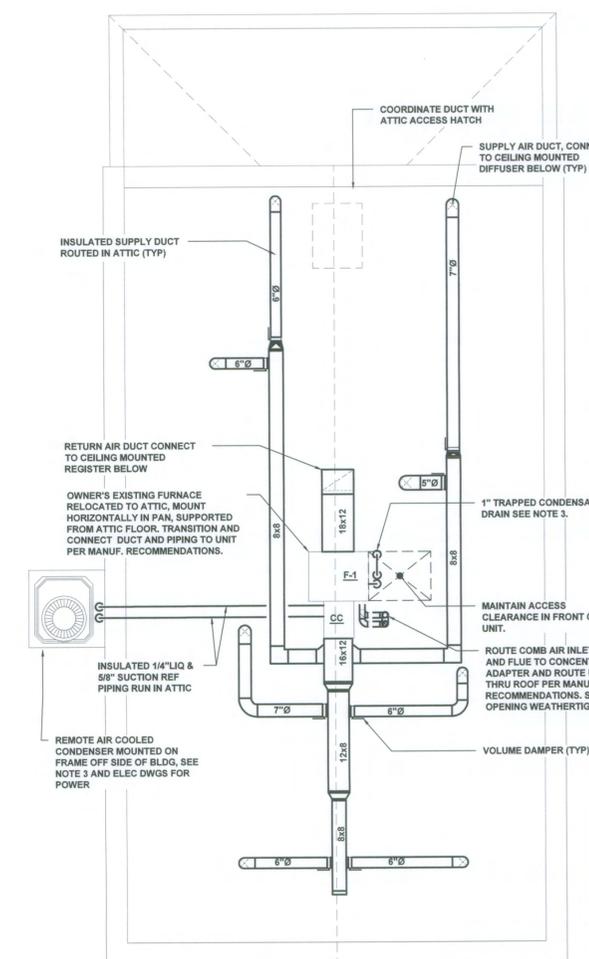
Sheet Number:
M-1



MECHANICAL SYMBOL LEGEND					
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
S/A	SUPPLY AIR	→	SUPPLY AIR OR OUTSIDE AIR FLOW	UD	UNDERCUT DOOR
R/A	RETURN AIR	←	RETURN AIR OR EXHAUST AIR FLOW	CUH	CABINET UNIT HEATER
O/A	OUTSIDE AIR	↓	VOLUME DAMPER (VD)	ESP	EXTERNAL STATIC PRESSURE
EXH	EXHAUST AIR	⊠	REGISTER OR GRILLE	→○	PIPE ELBOW TURNED UP
EF	EXHAUST FAN	⊠	DIFFUSER	→○	PIPE ELBOW TURNED DOWN
AFB	ABOVE FINISHED FLOOR	⊠	R/A RECTANGULAR DUCT RISER	— —	PIPE TEE UP
BOD	BOTTOM OF DUCT ELEVATION	⊠	S/A RECTANGULAR DUCT RISER	— —	PIPE TEE DN
HX	HEAT EXCHANGER	⊠	EXH RECTANGULAR DUCT RISER	— —	PIPE CAP
FD	FIRE DAMPER	⊠	R/A ROUND DUCT RISER	⊠	GATE VALVE
CFM	CUBIC FEET PER MINUTE	⊠	S/A ROUND DUCT RISER	⊠	BALL VALVE
C	COLD WATER (DOMESTIC)	⊠	EXH ROUND DUCT RISER	⊠	PRESSURE GAUGE W/SHUTOFF COCK
ACC	AIR-COOLED CONDENSER	⊠	THERMOSTAT	⊠	CHECK VALVE
RTU	PACKAGED ROOF TOP AC UNIT	⊠	MOTORIZED DAMPER	⊠	BLIND FLANGE
VD	VOLUME DAMPER	⊠	TEMPERATURE SENSOR	⊠	CONTROL VALVE
UH	UNIT HEATER	⊠	FLEXIBLE CONNECTOR	⊠	SOLENOID VALVE
PF	PADDLE TYPE FAN	⊠	BALANCE VALVE	⊠	STRAINER
AC	AIR CONDITIONING	⊠	DRAIN VALVE	⊠	MANUAL AIR VENT
MAU	MAKE-UP AIR UNIT	⊠	PIPE UNION	⊠	PIPE REDUCER
CP	CONTROL PANEL	⊠	STRAINER WITH BLOWDOWN	⊠	DIRECTION OF FLOW
HWS&R	HOT WATER SUPPLY & RETURN	⊠	THERMOMETER	⊠	2-WAY CONTROL VALVE
P	PUMP	⊠	LOUVERED DOOR	⊠	3-WAY CONTROL VALVE
UD	UNDERCUT DOOR	⊠			



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

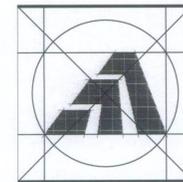


2 ATTIC PLAN
1/4"=1'-0"

NOTES:

- INFORMATION SHOWN IS BASED UPON CASUAL FIELD OBSERVATIONS. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO THE START OF WORK.
- CONTRACTOR TO COORDINATE WITH EXISTING UTILITIES AND OTHER TRADES PRIOR TO THE START OF WORK.
- ALL AIR CONDITIONING COMPONENTS PROVIDED WITH SYSTEM INCLUDING COOLING COIL, COND DRAIN, REF PIPING, REMOTE CONDENSER AND ALL ASSOCIATED ACCESSORIES ARE AN ADD ALTERNATE.
- INSTALL ALL EQUIPMENT PER MANUFACTURERS RECOMMENDATIONS.





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Sheet Title:
ELECTRICAL PLANS

APPLICATION # 1275

DILAURO RESIDENCE
10 East Avenue
Milford, Connecticut 06460

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

Date:
ISSUED FOR BIDDING 11/12/14

Job Number:
Drawn By: JTF
Approved By: JKH

Sheet Number:

E-1



ELECTRICAL FIXTURE KEY

- A, B PENDANT LIGHT FIXTURE
- C, G, L SURFACE MOUNTED LIGHT FIXTURE
- H1, H2 RECESSED CEILING LIGHT FIXTURE
- D WALL MOUNTED FLOOD LIGHT FIXTURE
- E EXTERIOR SURFACE LIGHT FIXTURE
- F EXTERIOR SURFACE LIGHT
- I EXHAUST FANLIGHT
- J WALL MOUNTED 2 LIGHT VANITY FIXTURE
- K RECESSED LED CEILING LIGHT FIXTURE

- S SINGLE POLE SWITCH
- S3 THREE WAY SWITCH
- S4 FOUR WAY SWITCH
- S5 PULL SWITCH

- DUPLEX RECEPTACLE
- DUPLEX WITH GROUND FAULT INTERRUPTER
- DUPLEX WATER PROOF GROUND FAULT INTERRUPTER
- ARC FAULT INTERRUPTED DUPLEX RECEPTACLE
- ARC FAULT INTERRUPTED DUPLEX RECEPTACLE TOP SWITCHED
- QUADROPLEX RECEPTACLE
- DEDICATED RECEPTACLE
- DRYER RECEPTACLE

- TELEPHONE OUTLET / INTERNET OUTLET
- COAXIAL CABLE FOR TELEVISION

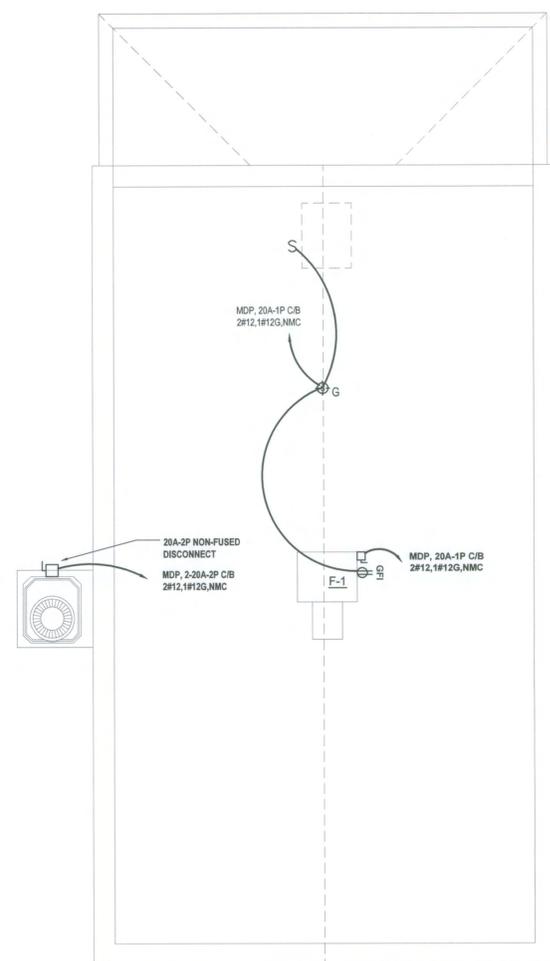
- EXHAUST FAN
- EXHAUST FANLIGHT
- CEILING FAN
- SMOKE DETECTOR
- CARBON MONOXIDE DETECTOR
- MDP MAIN DISTRIBUTION PANEL
- NMX ROMEX

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

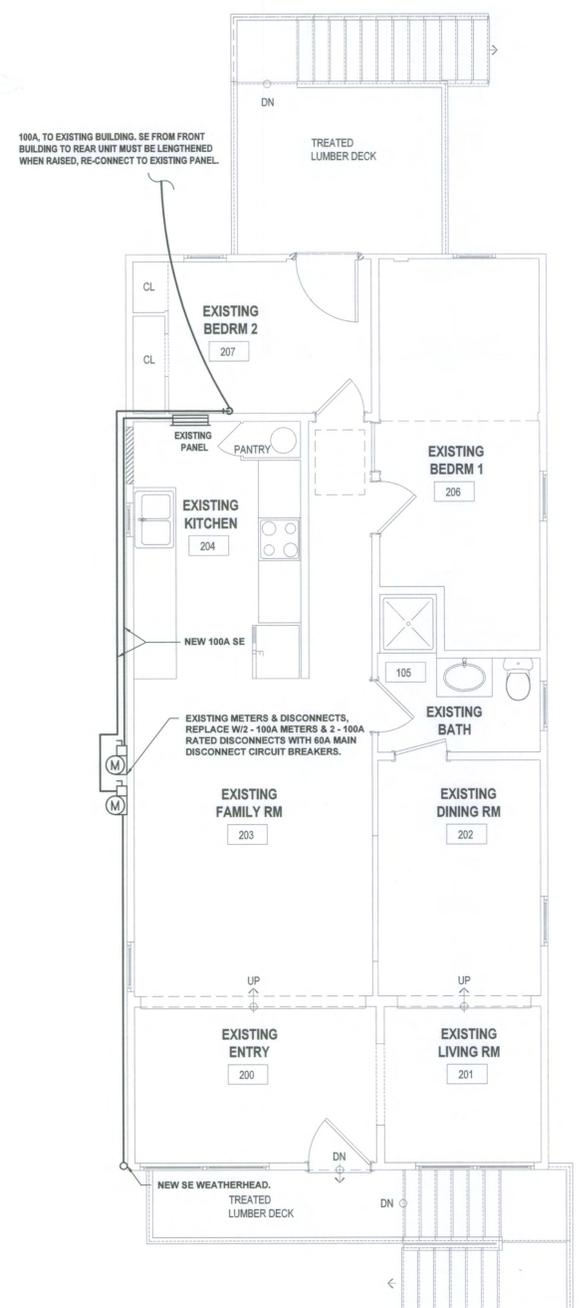
NOTE: COORDINATE FIXTURE LOCATION WITH FRAMING, HVAC PLANS AND INTERIOR DRAWINGS.

- NOTES:**
- A/C EQUIPMENT IS ADD ALTERNATE BY OWNER.
 - SMOKE, SMOKE/CARBON MONOXIDE DETECTORS TO BE WIRED IN TANDEM (TYPICAL).
 - METERS & DISCONNECTS FLOODED, REPLACE IN KIND WITH 100A RATED EQUIPMENT, SINCE EXISTING 60A MDP TO REMAIN USE 60A MAIN CIRCUIT BREAKER.
 - NEW LIGHTS, RECEPTACLES SMOKE AND CO DETECTORS IN GARAGE SPACE.
 - PROVIDE HEAT TRACE ON WATER PIPES & CONNECT TO GARAGE GFIC CKT.

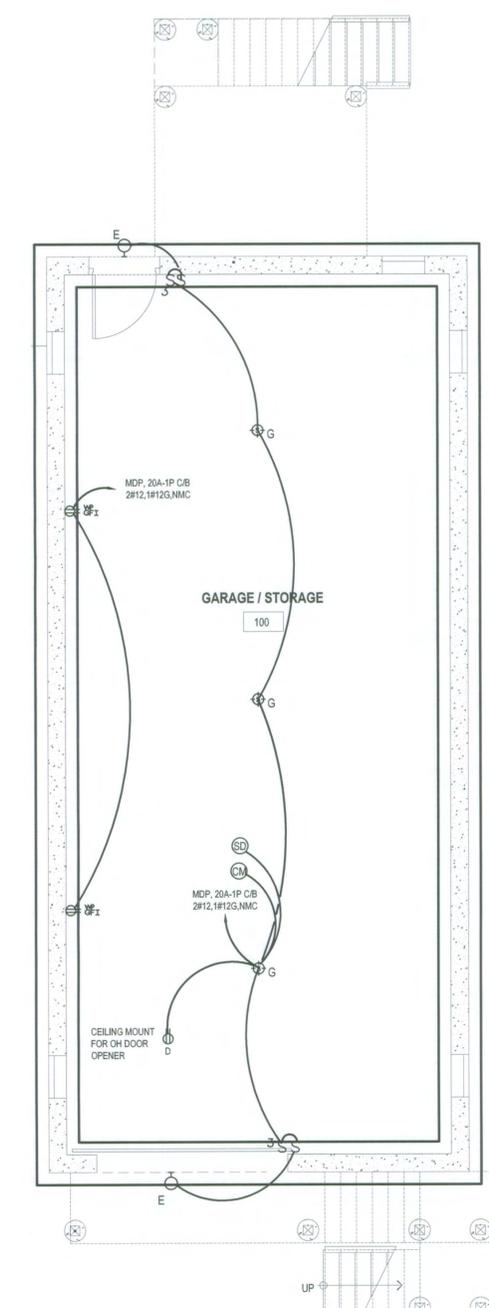
3 ATTIC PLAN
1/4"=1'-0"



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



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



LUMINAIRE SCHEDULE

SYMBOL	LABEL	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	LAMP
	A	PROGRESS LIGHTING	P5011-09	12"Ø INCANDESCENT PENDANT FIXTURE WITH BRUSHED NICKEL FINISH, PRE-WIRED WITH 1Ø OF WIRE UL-CUL LISTED	1 (m) 100w
	B	PROGRESS LIGHTING	P5012-09	20"Ø INCANDESCENT PENDANT FIXTURE WITH BRUSHED NICKEL FINISH, PRE-WIRED WITH 1Ø OF WIRE UL-CUL LISTED	1 (m) 100w
	C	KICHLER	8109	INCANDESCENT 2 LAMP FLUSH MOUNT INDOOR CEILING FIXTURE WITH BRUSHED NICKEL FINISH.	2 60W
	D	RAB LIGHTING	FF42QTP/CS	EXTERIOR FLUORESCENT FLOOD LIGHT, DIE CAST ALUMINUM HOUSING, TEMPERED GLASS.	42W TRIPLE
	E	LITHONIA LIGHTING	OSC 13F-120-P-LP-WH	EXTERIOR FLUORESCENT WALL LIGHT, ALUMINUM HOUSING, WITH WHITE ACRYLIC DIFFUSER, DISK-DOWN PHOTOCELL	13W GU24BASE
	F	QUORUM INTERNATIONAL	Q680-9	1 LIGHT OUTDOOR WALL SCONCE, BLACK OR WHITE FINISH, UL DAMP RATED	1 100W
	G	QUORUM INTERNATIONAL	3009-3-65	SATIN NICKEL MODERN SINGLE FLUSH MOUNT CEILING FIXTURE, GLASS COVER, DAMP LOCATION RATED	1 60W
	H1,2	PRESCOLITE	H1 - DBXQL H2 - LB6LEDA10L	RECESSED LED DOWN LIGHT MODULE WITH QUICKLINK LED DOWNLIGHT AIRSHIELD HOUSING	-
	I	BROAN	QTXE110FLT	ULTRA-QUIET HIGH PERFORMANCE BATH FANLIGHT FIXTURE WITH MODERN STYLED GRILLE.	2 18W GU24 W4W NIGHT LIGHT
	J	SEA GULL	44081-962	2 LIGHT BATH VANITY FIXTURE IN BRUSHED NICKEL, SATIN WHITE GLASS, UL DAMP RATED.	2 100W
	K	WAC LIGHTING	HR-LED331-WT-W HR-LED305-NC-W	RECESSED LED DOWN LIGHT WITH NEW CONSTRUCTION HOUSING	3 LEDS MAX 6W
	L	SEA GULL	5226-962	SINGLE LIGHT BRUSHED NICKEL CEILING FIXTURE WITH WHITE GLASS DIFFUSER	119 60W MAX.



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DIVISION 16000 - MECHANICAL

PART 1 - GENERAL

- 1.1 PIPE HANGERS AND SUPPORTS SHALL MEET THE REQUIREMENTS OF MSS SP-49 AND SP-49 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 GENERAL DUCTWORK REQUIREMENTS:
 - A. ALL DUCTWORK SHALL BE INSTALLED STRAIGHT AND PARALLEL TO LINE OF BUILDING AND SHALL BE SUBSTANTIALLY SUPPORTED AS REQUIRED BY SMACNA MANUALS.
 - B. DUCT SIZES SHOWN SHALL BE STRICTLY FOLLOWED AND NO CHANGES IN SHAPE OR DIMENSIONS SHALL BE MADE BY THE CONTRACTOR WITHOUT FIRST OBTAINING APPROVAL FROM THE ENGINEER. WHERE DUCTS MUST BE OFFSET TO CLEAR STRUCTURAL MEMBERS AND, IF NECESSARY TO ALTER DIMENSIONS OF THE DUCTS, THIS MAY BE DONE PROVIDED THE CROSS-SECTIONAL AREA IS IN NO CASE REDUCED.
 - C. ALL DUCT RUNS SHALL BE CHECKED FOR CLEARANCES BEFORE INSTALLATION OF ANY DUCTWORK. ABOVE HUNG CEILINGS, DUCT LOCATIONS AND ELEVATIONS MUST BE COORDINATED WITH WORK OF OTHER TRADES TO AVOID CONFLICTS WITH EXISTING DUCTWORK, PIPING, CONDUIT AND RECESSED FIXTURES. CLEARANCES BELOW DUCTS IN EQUIPMENT ROOMS AND AREAS WITHOUT HUNG CEILINGS MUST BE ADEQUATE FOR ACCESS AND MAINTENANCE OF EQUIPMENT.
 - D. INSTALL FLEXIBLE DUCT CONNECTIONS AT INLET AND DISCHARGE DUCT CONNECTIONS TO FANS.
 - E. INSTALL MINIMUM 10" X 12" ACCESS DOOR FOR INSPECTION IN DUCTS AT ALL DUCT MOUNTED ACCESSORIES, CONTROL COMPONENTS AND WHERE SHOWN ON THE DRAWINGS.

1.5 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.
 - 3. GAS PIPING SHALL BE TESTED IN ACCORDANCE WITH NFPA 54. TEST PRESSURE SHALL BE 3 PSIG. TEST MEDIUM SHALL BE AIR, NITROGEN OR CARBON DIOXIDE.
 - 4. REFRIGERATION PIPING SHALL BE TESTED TO 200 PSIG. TEST MEDIUM SHALL BE NITROGEN.
- 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 INSULATION FOR REFRIGERANT PIPING SHALL BE FLEXIBLE ELASTOMERIC CELLULAR, ARMSTRONG ARMAFLEX AP OR APPROVED EQUAL. SEAMS AND JOINTS SHALL BE SEALED WITH MANUFACTURERS ADHESIVE. ALL INSULATION SHALL BE FINISHED WITH MANUFACTURERS FINISH. INSULATION THICKNESS AT SUCTION LINE AND LIQUID LINE SHALL BE 1-1/2".
- 1.9 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" Z-TAPE, 10 MIL EXTERIOR INSULATED PIPES SHALL HAVE ALUMINUM JACKET. INSULATION THICKNESS AS FOLLOWS:

SYSTEM	INSULATION THICKNESS
A. DOMESTIC HOT & 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.

1.10 DUCT INSULATION:

- A. MATERIALS SHALL BE MANVILLE, OWENS/CORNING, CERTAINTEEED OR APPROVED EQUAL.
- B. INSULATION FOR SUPPLY AND RETURN AIR DUCTWORK SHALL BE 1-1/2", 1 LB. NOMINAL DENSITY FIBERGLASS BLANKET WITH FSK JACKET APPLIED AS RECOMMENDED BY THE MANUFACTURER.

PART 2 - PLUMBING

- 2.1 WATER PIPING: SHALL BE TYPE L HARD DRAWN COPPER TUBING CONFORMING TO ASTM B88, WITH ASME B16.22 WROUGHT COPPER FITTINGS, ASTM B32 SOLDER GRADE 95TA JOINTS, PEX PIPING WITH ASSOCIATED FITTINGS ALLOWED FOR INDIVIDUAL RUNOUTS FROM HEADER.
 - 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 4-4BAND STAINLESS STEEL SHEILD 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 - DEZURK SERIES 100.
- PART 3 - HVAC**
- 3.1 FURNACE
 - A. CONTRACTOR SHALL RELOCATE OWNER'S EXISTING FURNACE - RHEEM MODEL RGTM-06.
 - B. COOLING COIL: CONTRACTOR SHALL RELOCATE OWNERS EXISTING RHEEM MODEL RCFL-HM241CC.
 - C. REMOTE AIR-COOLED CONDENSER: R-410A BASED, MINIMUM 16 SEER, DESIGNED FOR USE WITH SPECIFIED GAS-FIRED FURNACE, RHEEM SERIES MODEL RARL-025JEZ.
 - 3.2 PIPING
 - A. REFRIGERANT PIPING SHALL BE TYPE L ACR COPPER TUBING WITH WROUGHT COPPER FITTINGS AND 95% SOLDERED JOINTS.
 - 3.3 DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED STEEL IN ACCORDANCE WITH ASHRAE AND SMACNA STANDARDS. PROVIDE TURNING VANES WHERE SQUARE ELBOWS ARE USED, ACCESS DOORS AT ALL DUCT MOUNTED CONTROL DEVICES AND VOLUME DAMPERS AS REQUIRED FOR PROPER BALANCING OF THE SYSTEM. FLEXIBLE DUCT SHALL BE THERMOFLEX MODEL MAF WITH 1 1/2" INSULATION, UL 181 LISTING AND MAXIMUM LENGTH OF 8'-0".
 - 3.4 DIFFUSER, REGISTERS AND GRILLES
 - A. SHALL BE EQUAL TO QUALITY AND PERFORMANCE OF MODELS MANUFACTURED BY TITUS.
 - 3.7 CONTROLS: ELECTRONIC CONTROLS SHALL INCLUDE THERMOSTATS, CONTROL PANELS, RELAYS, TRANSFORMERS, SENSORS AND ACCESSORIES AS REQUIRED TO PERFORM THE SEQUENCES AS DESCRIBED BELOW. INSTALLATION OF CONDUIT, CONDUCTORS AND ELECTRICAL DEVICES SHALL CONFORM TO DIVISION 16000 - ELECTRICAL.
 - CONTROLS, SEQUENCES-OF-OPERATION:
 - A. THERMOSTAT SHALL BE TOUCH SCREEN 7 DAY PROGRAMMABLE TYPE HONEYWELL MODEL RTH8500D.

PART 4 - EXECUTION

- 4.1 CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO THE START OF WORK INCLUDING SIZES OF PIPING TO BE RE-USED. 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 MANUFACTURERS 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, DELIVERED, 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 UNDERWRITERS 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 UNSURE 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 MANUFACTURERS' 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 UNDERWRITERS (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 THWN/THHN, 88% CONDUCTIVITY ANNEALED UNCOATED COPPER WITH PVC INSULATION COVERED WITH NYLON SHEATH JACKET. TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE UNDERWRITERS LABORATORIES STANDARD 83. WIRE SHALL BE IDENTIFIED BY SURFACE MARKING, INDICATING MANUFACTURERS 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, ROME CABLE, TRIANGLE CABLE OR GENERAL CABLE.

NON METALLIC SHEATHED CABLE - TYPE - NM-B CABLE SHALL BE OF MAXIMUM OPERATING VOLTAGE: 600 VOLTS, MAXIMUM CONDUCTOR OPERATION, 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 FERROALLOY WITH THREADED HUBS. PROVIDE GASKETED COVER AS REQUIRED.

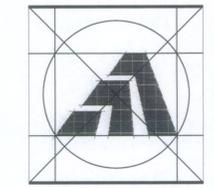
SWITCHES - SPECIFICATION GRADE, 120-277VAC 20 AMP, SINGLE POLE. COLOR SHALL BE (VORY) (GRAY) (WHITE) (BROWN) (RED). RECEPTACLE AND SWITCH COVER PLATES SHALL BE (SMOOTH THERMOPLASTIC) (STAINLESS STEEL 302) (VORY) (RED) (LABELED EMERGENCY) (WHERE INDICATED).

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 CONTRACTORS 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 # 1275

DILAURO RESIDENCE
10 East Avenue
Milford, Connecticut 06460

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

Date:
ISSUED FOR BIDDING 11/12/14

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

Sheet Number:
SP-1

