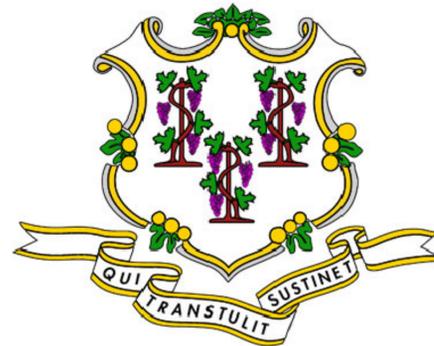


SUPER STORM SANDY *Response and Recovery*

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

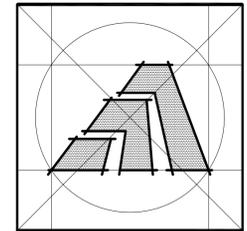
APPLICATION NO. 1060

SAFYRE RESIDENCE
7 CAROLINE STREET
MILFORD, CONNECTICUT 06460

OCTOBER 03, 2014



ARCHITECT:



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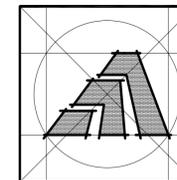
284 RACEBROOK RD. TEL (203) 795 5656
ORANGE, CT 06477 FAX (203) 799 3871

S.M.E.P. ENGINEER:

Loureiro

Engineering • Construction • EHS • Energy • Waste

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:
FIRST FLOOR PLAN

APPLICATION # 1060

SAFYRE RESIDENCE
7 Caroline Street
Milford, Connecticut 06460

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

Date: 10-03-14

Project Number: 1060
Drawn By: J.V.L.

Sheet Number:
A1

WALL LEGEND

PRESERVATIVE 2x6 STUD WALL - SEE WALL TYPES SHEET #A2

12" REINF. CONC. FOUNDATION WALL - SEE STRUCTURAL DRAWINGS

GENERAL NOTES:

1. USE SIMPSON STRAPS AND TIE DOWNS AS SPECIFIED - SEE STR'L DRAWINGS.
2. CONCRETE ENCASED ELECTRODES - FOLLOW ARTICLE 250.52 (a) (3) NEC 2005-E3508.1.2 IRC 2003

FLOOD VENTS

FLOOD / AIR VENT - USE SMART VENT #1540-510
(EA. VENT PROVIDES FLOOD OPENING FOR 200 S.F.)

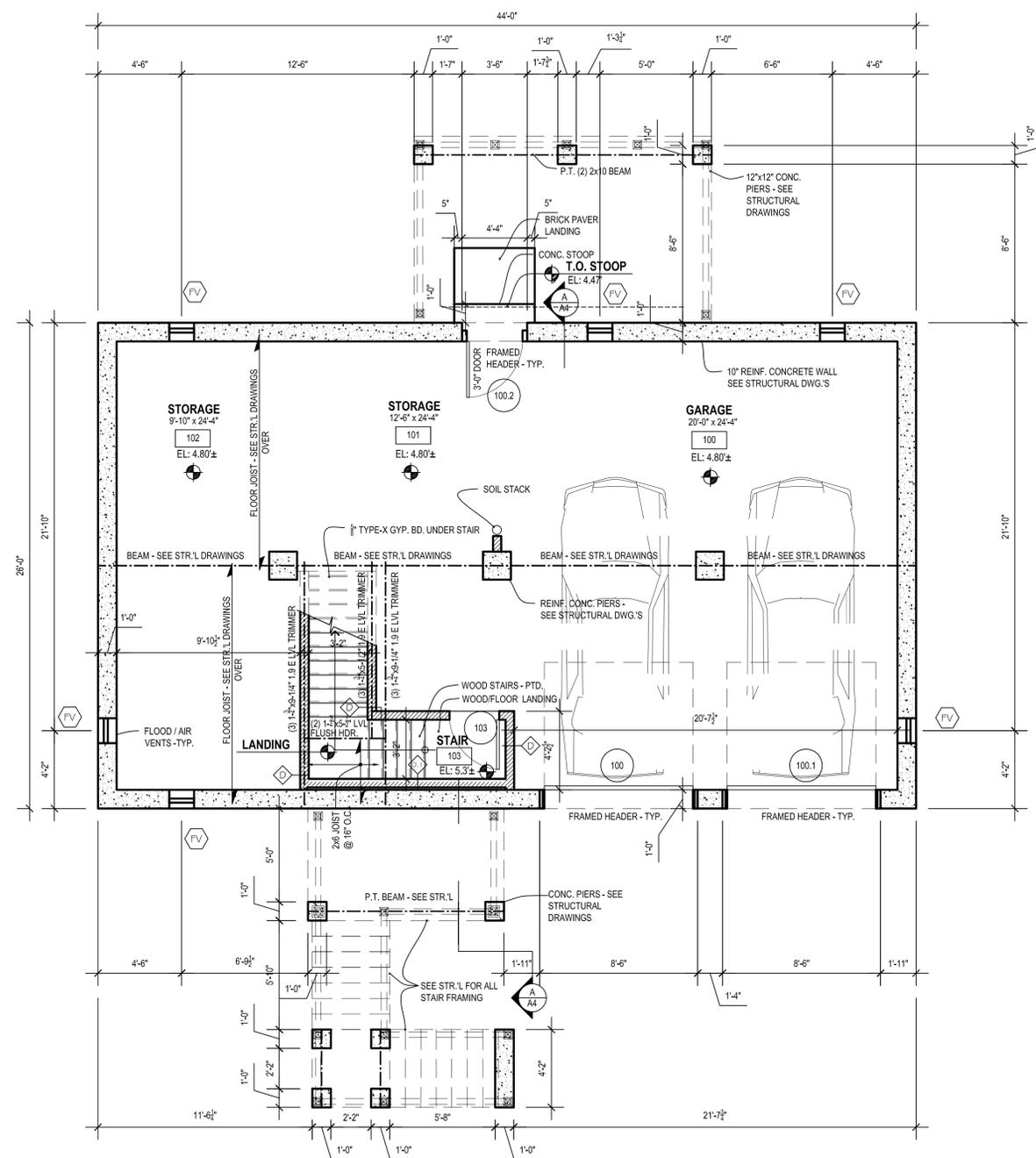
1. PROVIDE (6) FLOOD / AIR VENT COMBINATION - FOR 1144 S.F. FIRST FLOOR AREA.

SMART VENT FOR FLOOD AND AIR VENTILATION

PROTECTING UTILITIES

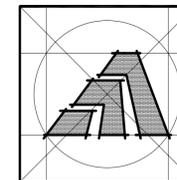
ALL WORK TO MEET THE NFIP REGULATIONS (SECTION 60.3a(3)).

1. COMPONENT PROTECTION - EXISTING (PROVIDED)
2. ELECTRICAL - REFER TO ELECTRICAL DRAWINGS
3. PLUMBING - SHALL HAVE BACKUP PREVENTION VALVES. SEE PLUMBING DWG.'S



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





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Sheet Title:
**SECOND FLOOR PLAN
PARTITION TYPES
AND ROOF PLAN**

APPLICATION # 1060

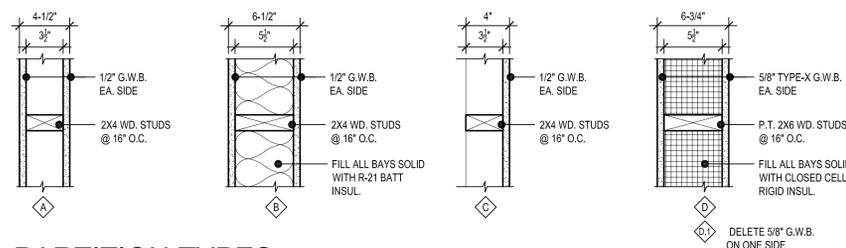
SAFYRE RESIDENCE
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**STATE OF CONNECTICUT
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DISASTER RECOVERY PROGRAM
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AND REBUILDING PROGRAM (OOR)**

Date: 10-03-14

Project Number: 1060
Drawn By: J.V.L.

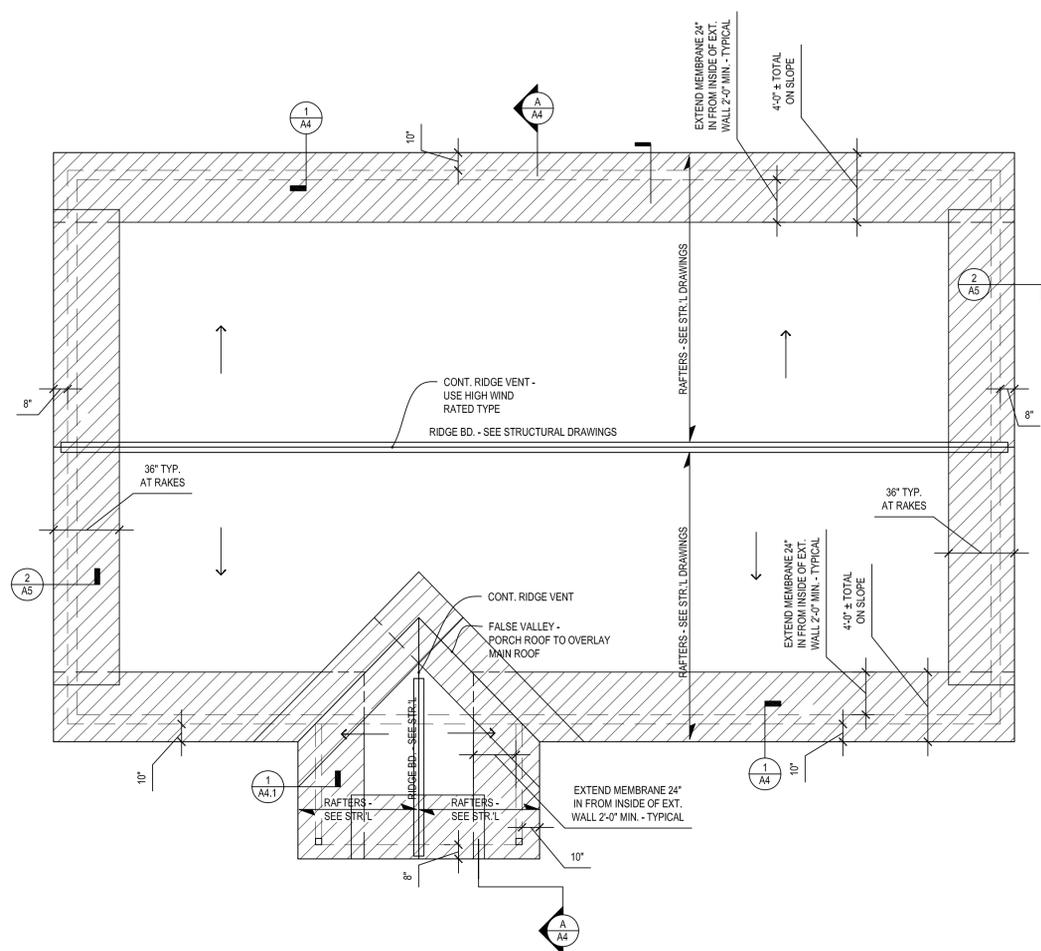
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A2



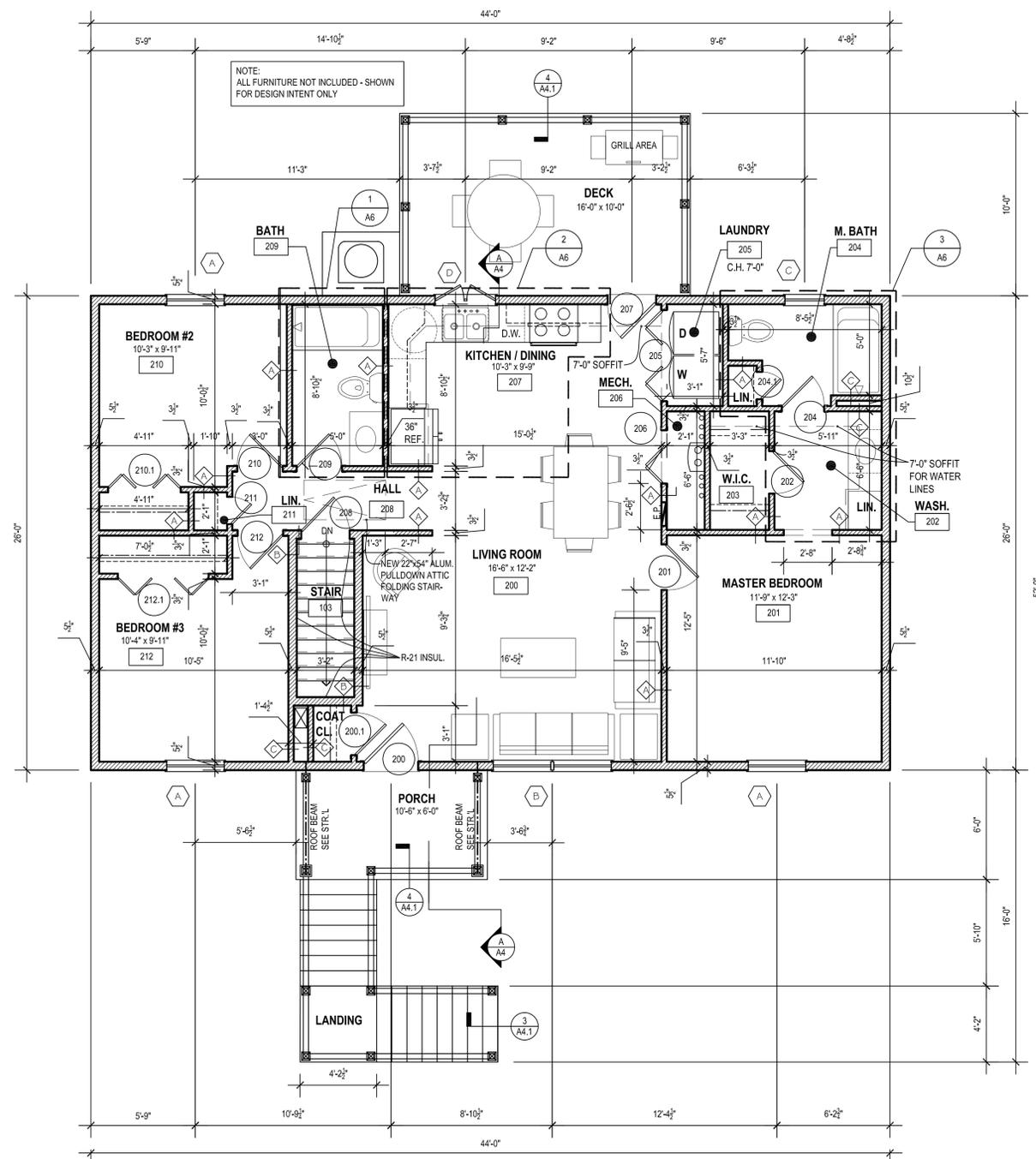
PARTITION TYPES

SCALE: 1/12" = 1'-0"

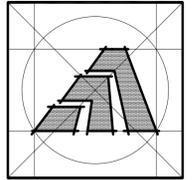
NOTES: 1. PROVIDE BLOCKING AS REQ'D. FOR SHELVING, ETC.
2. ALL GYP. BD. TO BE TAPED AND COMPOUNDED (3) COATS.
3. ALL GYP. BD. TO BE PRIMED (1) COAT AND PTD. (1) COAT.



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



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



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Sheet Title:
DETAILS

APPLICATION # 1060

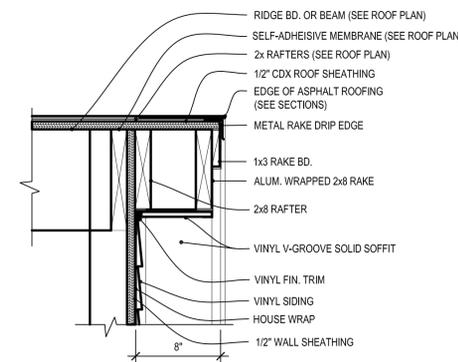
SAFYRE RESIDENCE
7 Caroline Street
Milford, Connecticut 06460

STATE OF CONNECTICUT
DEPARTMENT OF HOUSING
COMMUNITY DEVELOPMENT BLOCK GRANT
DISASTER RECOVERY PROGRAM
OWNER OCCUPIED REHABILITATION
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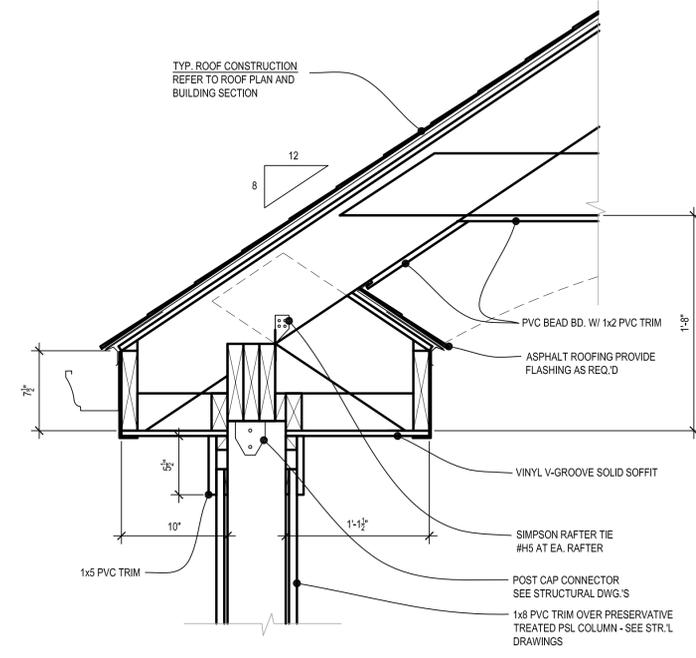
Date: 10-03-14

Project Number: 1060
Drawn By: J.V.L.

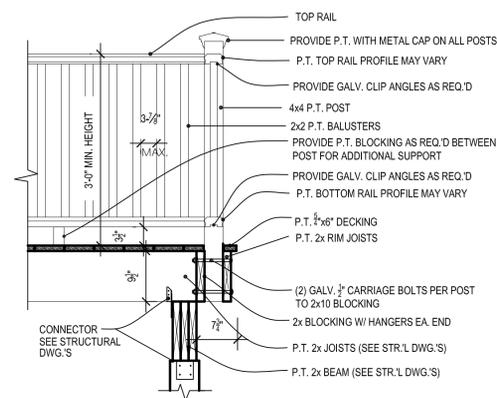
Sheet Number:
A4.1



2 TYPICAL GABLE OVERHANG DETAIL
A4.1 SCALE: 1-1/2" = 1'-0"

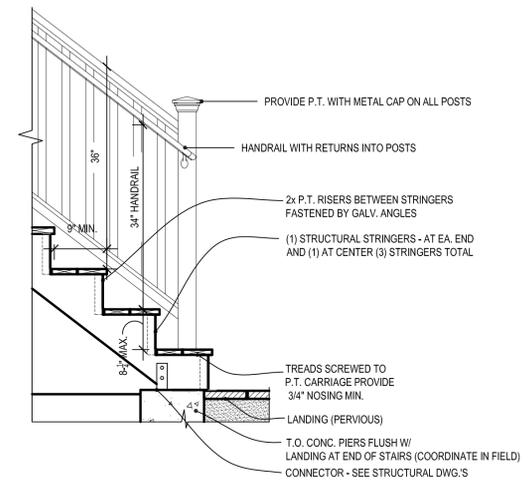


1 TYPICAL PORCH EAVE DETAIL
A4.1 SCALE: 1-1/2" = 1'-0"

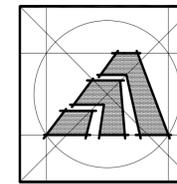


4 TYP. DECK RAIL DETAIL
A4.1 SCALE: 3/4" = 1'-0"

DECK & RAIL NOTES:
1. RAILING / GUARDRAIL TO BE TREATED LUMBER
2. ALL FLOOR DECKING TO BE TREATED 2x6
3. DECKING SHALL BE PICTURE FRAMED SO THAT BD. ENDS ARE NOT EXPOSED.
4. ALL STRUCTURAL FRAMING TO BE P.T. LUMBER
5. ALL FASTENERS SHALL BE HOT DIPPED GALVANIZED



3 DECK STAIR DETAIL
A4.1 SCALE: 3/4" = 1'-0"



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Sheet Title:
BUILDING SECTION & DETAILS

APPLICATION # 1060

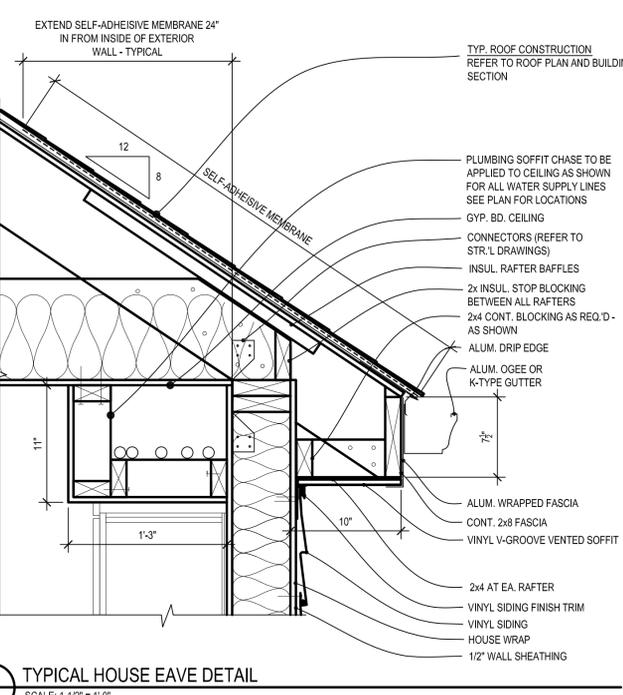
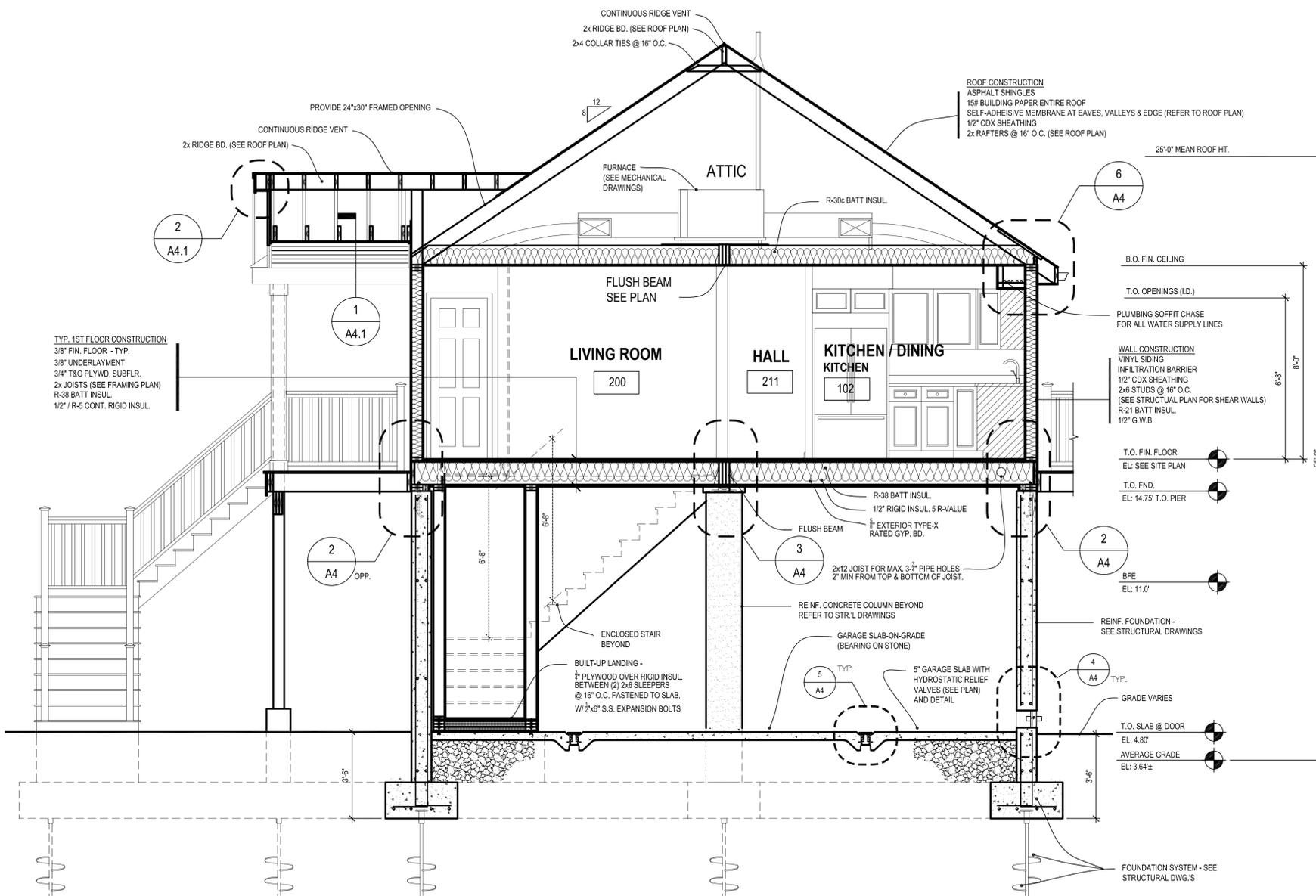
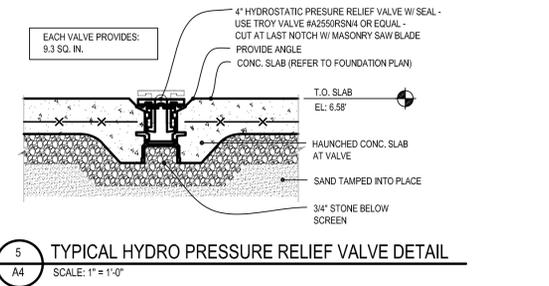
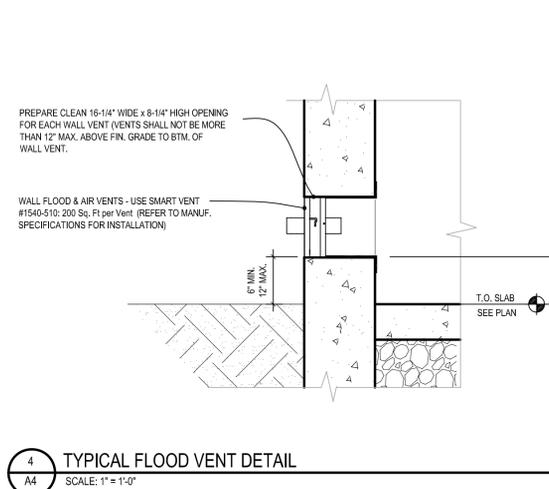
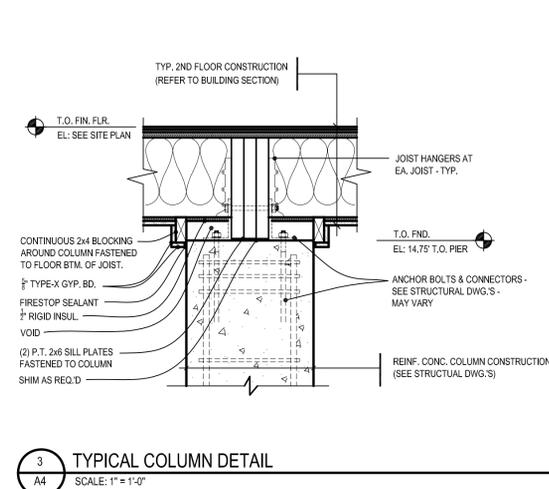
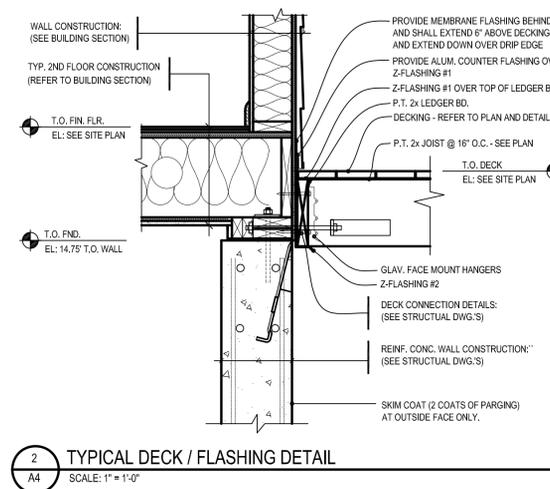
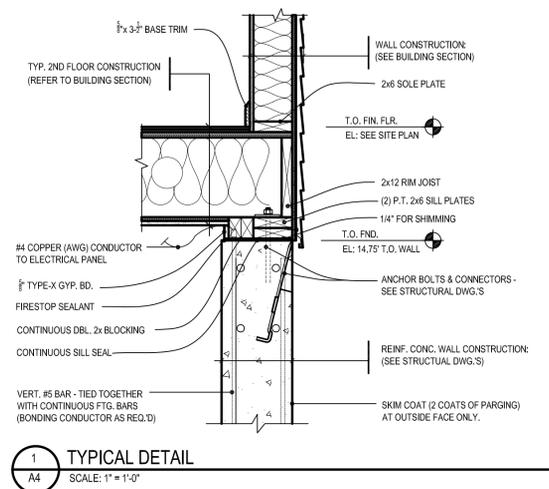
SAFYRE RESIDENCE
7 Caroline Street
Milford, Connecticut 06460

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

Date: 10-03-14

Project Number: 1060
Drawn By: J.V.L.

Sheet Number:
A4



A-A BUILDING SECTION
SCALE: 3/8" = 1'-0"

FINISH SCHEDULE

REV.#	NUM.	ROOM NAME	FLOOR		BASE		NORTH WALL		EAST WALL		SOUTH WALL		WEST WALL		CEILING HEIGHT	CEILING MAT'L	REMARKS			
			SUBSTRATE	FINISH	COLOR	MAT'L	FINISH	COLOR	MAT'L	FINISH	COLOR	MAT'L	FINISH	COLOR				MAT'L	FINISH	COLOR
	100	GARAGE	CONC.	N/A	N/A	N/A	N/A	G.W.B.	PTD.	**	CONC.	N/A	N/A	CONC.	N/A	N/A	10'-1"	G.W.B.	USE 5/8" TYPE-X GYP. BD.	
	101	STORAGE	CONC.	N/A	N/A	N/A	N/A	G.W.B.	PTD.	**	CONC.	N/A	N/A	CONC.	N/A	N/A	10'-1"	G.W.B.	USE 5/8" TYPE-X GYP. BD.	
	102	STORAGE	CONC.	N/A	N/A	N/A	N/A	G.W.B.	PTD.	**	CONC.	N/A	N/A	CONC.	N/A	N/A	10'-1"	G.W.B.	USE 5/8" TYPE-X GYP. BD.	
	103	STAR	CMT. BD.	CT	F.B.D.	CT	STD	WHITE	GWB	PTD	**	GWB	PTD	**	GWB	PTD	**	8'-0"	G.W.B.	USE 5/8" TYPE-X GYP. BD. AT WALLS (SEE WALL TYPES)
	200	LIVING ROOM	WD	LWD	F.B.D.	WOOD	PTD	WHITE	GWB	PTD	**	GWB	PTD	**	GWB	PTD	**	8'-0"	G.W.B.	
	201	MASTER BEDROOM	WD	LWD	F.B.D.	WOOD	PTD	WHITE	GWB	PTD	**	GWB	PTD	**	GWB	PTD	**	8'-0"	G.W.B.	
	202	BEDROOM	CMT. BD.	CT	F.B.D.	CT	STD	WHITE	GWB	PTD	**	GWB	PTD	**	GWB	PTD	**	8'-0"	G.W.B.	
	203	W.I.C.	WD	LWD	F.B.D.	WOOD	PTD	WHITE	GWB	PTD	**	GWB	PTD	**	GWB	PTD	**	8'-0"	G.W.B.	
	204	M. BATH	CMT. BD.	CT	F.B.D.	CT	STD	WHITE	GWB	PTD	**	GWB	PTD	**	GWB	PTD	**	8'-0"	G.W.B.	
	205	LAUNDRY	CMT. BD.	CT	F.B.D.	CT	STD	WHITE	GWB	PTD	**	GWB	PTD	**	GWB	PTD	**	8'-0"	G.W.B.	
	206	MECHANICAL	CMT. BD.	CT	F.B.D.	CT	STD	WHITE	GWB	PTD	**	GWB	PTD	**	GWB	PTD	**	8'-0"	G.W.B.	
	207	KITCHEN	WD	LWD	F.B.D.	WOOD	PTD	WHITE	GWB	PTD	**	GWB	PTD	**	GWB	PTD	**	8'-0"	G.W.B.	
	208	HALL	WD	LWD	F.B.D.	WOOD	PTD	WHITE	GWB	PTD	**	GWB	PTD	**	GWB	PTD	**	8'-0"	G.W.B.	
	209	BATH	CMT. BD.	CT	F.B.D.	CT	STD	WHITE	GWB	PTD	**	GWB	PTD	**	GWB	PTD	**	8'-0"	G.W.B.	
	210	BEDROOM #2	WD	LWD	F.B.D.	WOOD	PTD	WHITE	GWB	PTD	**	GWB	PTD	**	GWB	PTD	**	8'-0"	G.W.B.	
	211	LINE	WD	LWD	F.B.D.	WOOD	PTD	WHITE	GWB	PTD	**	GWB	PTD	**	GWB	PTD	**	8'-0"	G.W.B.	
	212	BEDROOM #3	WD	LWD	F.B.D.	WOOD	PTD	WHITE	GWB	PTD	**	GWB	PTD	**	GWB	PTD	**	8'-0"	G.W.B.	

WINDOW SCHEDULE

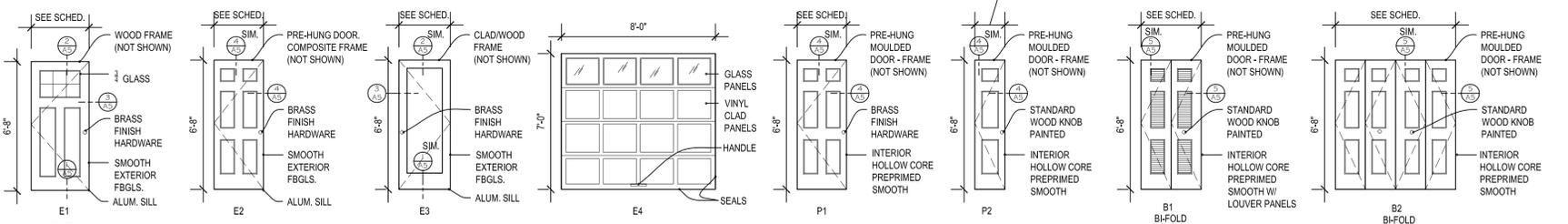
REV.#	NO.	TYPE & FRAME SIZE (WIDTH x HEIGHT)	UNIT #	GRILLE	QTY / SETS	TYPE	DETAILS	REMARKS
	A	3'-2" x 4'-0"			1	D.H.		EGRESS
	B	2'-1" x 2'-6" x 9"			1	D.H.		
	C	2'-0" x 3'-0"			1	CSM		
	D	2'-0" x 2'-6"			1	CSM		

ALL WINDOWS AND EXTERIOR DOORS SHALL HAVE VINYL OR ALUM. CLAD EXT. WITH PAINTED WOOD INTERIOR - ALL WINDOWS SHALL BE 0.31 ALL DEL. HUNGS SHALL BE TILT-WASH AND ALL WINDOWS AND DOORS SHALL HAVE DESIGN PRESSURE 50 (DP50). PROVIDE SCREENS AND HARDWARE. ALL SOLID INSULATED EXTERIOR DOORS ARE TO BE SMOOTH FIBERGLASS UNLESS NOTED OTHERWISE. VERIFY PRIOR TO ORDERING UNITS.

DOOR SCHEDULE

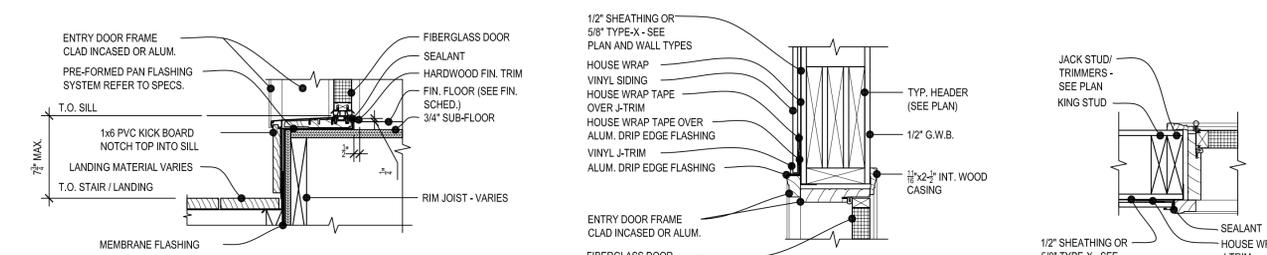
REV.#	DR. NUM.	ROOM NUMBER	DOOR SIZE OR UNIT NUMBER (WIDTH x HEIGHT)	DOOR TYPE	FRAME	FINISH	HEAD	JAMB	SILL	HARDWARE SET	REMARKS
	100	100	8'-0" x 7'-0" (OVERHEAD DOOR)	E4	VINYL	STD	WD	PTD	2/AS	2/AS	2
	100.1	100	8'-0" x 7'-0" (OVERHEAD DOOR)	E4	VINYL	STD	WD	PTD	2/AS	2/AS	2
	100.2	100	8'-0" x 7'-0" (OVERHEAD DOOR)	E2	FGLS	STD	WD	PTD	2/AS	2/AS	1
	103	103	2'-8" x 8'-8" (SINGLE DOOR)	E2	FGLS	STD	WD	PTD	2/AS	2/AS	1
	200	200	1'-0" x 8'-8" (SINGLE DOOR)	E1	FGLS	STD	WD	PTD	2/AS	2/AS	1
	200.1	200	2'-4" x 8'-8" (SINGLE DOOR)	P1	WD	PTD	WD	PTD	4/AS	4/AS	7
	201	201	2'-8" x 8'-8" (SINGLE DOOR)	P1	WD	PTD	WD	PTD	4/AS	4/AS	5
	202	202	2'-4" x 8'-8" (SINGLE DOOR)	P1	WD	PTD	WD	PTD	4/AS	4/AS	7
	204	204	2'-4" x 8'-8" (SINGLE DOOR)	P1	WD	PTD	WD	PTD	4/AS	4/AS	5
	204.1	204	1'-8" x 8'-8" (SINGLE DOOR)	P2	WD	PTD	WD	PTD	4/AS	4/AS	7
	205	205	1'-0" x 8'-8" (BI-FOLD DOOR)	B1	WD	PTD	WD	PTD	4/AS	4/AS	8
	206	206	3'-0" x 8'-8" (BI-FOLD DOOR)	B1	WD	PTD	WD	PTD	4/AS	4/AS	8
	207	207	2'-8" x 8'-8" (SINGLE DOOR)	E3	FGLS	STD	WD	PTD	2/AS	2/AS	1
	208	208	2'-8" x 8'-8" (SINGLE DOOR)	P1	WD	PTD	WD	PTD	4/AS	4/AS	7
	209	209	2'-8" x 8'-8" (SINGLE DOOR)	P1	WD	PTD	WD	PTD	4/AS	4/AS	5
	210	210	2'-8" x 8'-8" (SINGLE DOOR)	P1	WD	PTD	WD	PTD	4/AS	4/AS	5
	210.1	210	4'-0" x 8'-8" (BI-FOLD DOOR)	B2	WD	PTD	WD	PTD	4/AS	4/AS	8
	211	211	1'-8" x 8'-8" (SINGLE DOOR)	P1	WD	PTD	WD	PTD	4/AS	4/AS	7
	212	212	2'-8" x 8'-8" (SINGLE DOOR)	P1	WD	PTD	WD	PTD	4/AS	4/AS	5
	212.1	212	4'-0" x 8'-8" (BI-FOLD DOOR)	B2	WD	PTD	WD	PTD	4/AS	4/AS	8

HARDWARE:
 1# KEYS ENTRY KNOB SET - SINGLE CYLINDER - BRASS
 2# GARAGE DOOR OPENER
 3# NOT USED
 4# NOT USED
 5# INTERIOR PRIVACY KNOB SET - BRASS
 6# NOT USED
 7# INTERIOR PASSAGE KNOB SET - BRASS
 8# INTERIOR BI-FOLD KIT W/ WOOD DUMMY DOOR KNOB

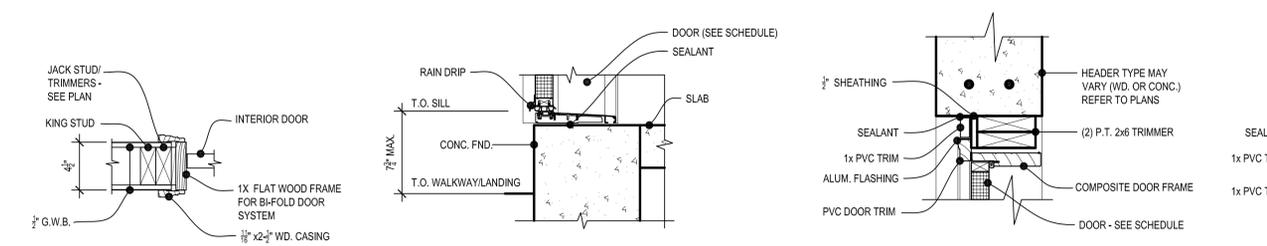


DOOR TYPES

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

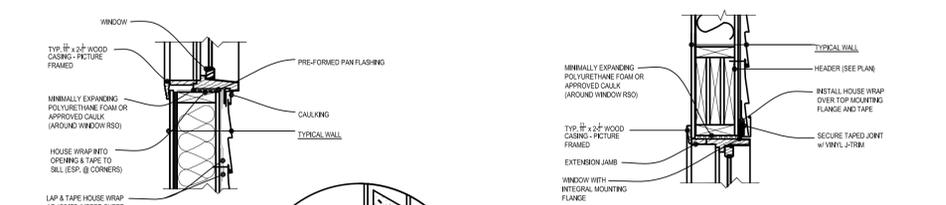


1 EXT. DOOR SILL DETAIL SCALE: 1-1/2" = 1'-0"
 2 EXT. HEAD DETAIL SCALE: 1-1/2" = 1'-0"
 3 EXT. JAMB DETAIL SCALE: 1-1/2" = 1'-0"
 4 INT. JAMB DETAIL SCALE: 1-1/2" = 1'-0" (HEAD SIM.)

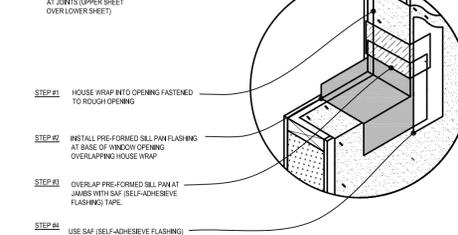


5 INT. JAMB DETAIL SCALE: 1-1/2" = 1'-0" (HEAD SIM.)
 6 EXT. DOOR SILL DETAIL SCALE: 1-1/2" = 1'-0"
 7 EXT. HEAD DETAIL SCALE: 1-1/2" = 1'-0" (HEAD SIM.)
 8 O.H.D. HEAD DETAIL SCALE: 1-1/2" = 1'-0" (HEAD SIM.)

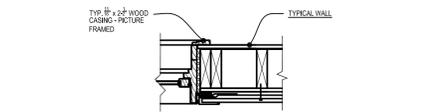
NOTE:
 1. ALL CEILINGS SHALL BE PRIMED AND PAINTED FLAT WHITE.
 2. ALL WINDOW AND DOOR CASING SHALL BE PRIMED & PAINTED (MATCH COLOR)



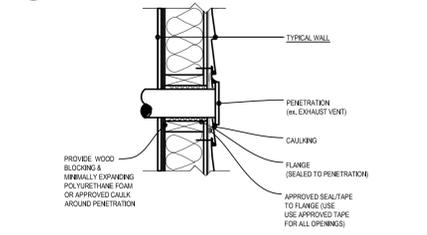
6 WINDOW HEAD DETAIL SCALE: 1" = 1'-0"



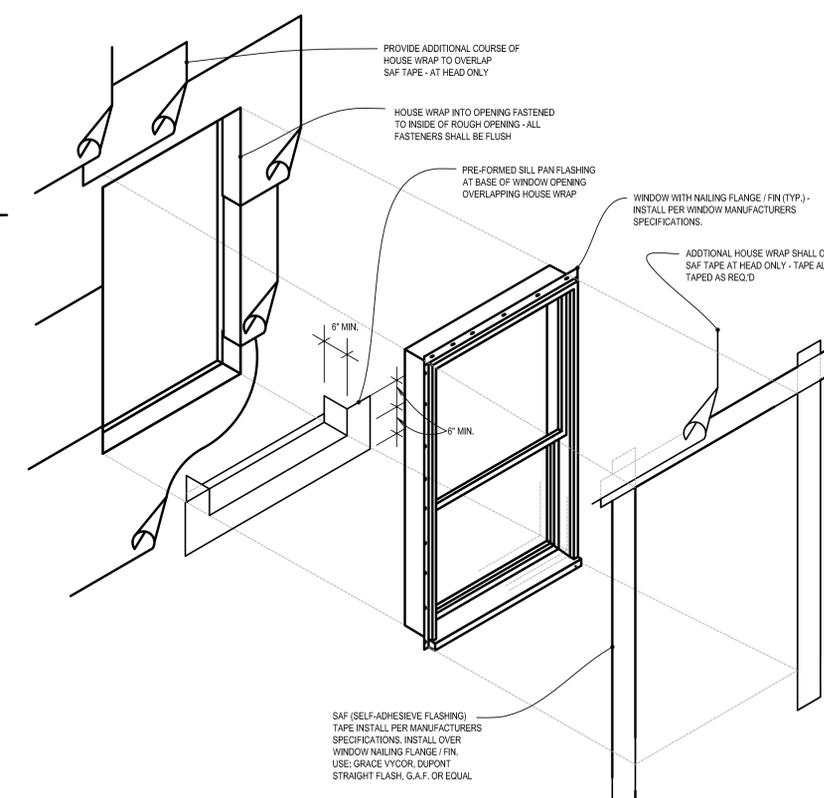
5 WINDOW SILL DETAIL SCALE: 1" = 1'-0"



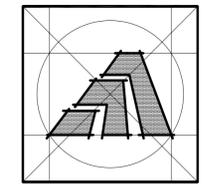
7 WINDOW JAMB DETAIL SCALE: 1" = 1'-0"



8 WALL PENETRATION DETAIL SCALE: 1" = 1'-0"



9 WINDOW SILL DETAIL SCALE: N.T.S.



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 TEL (203) 795 5656 FAX (203) 799 3871

Sheet Title:
 WINDOW & DOOR SCHEDULES AND DETAILS. FINISH SCHED.

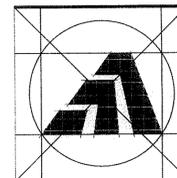
APPLICATION # 1060

SAFYRE RESIDENCE
 7 Caroline Street
 Milford, Connecticut 06460

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

Date: 10-03-14
 Project Number: 1060
 Drawn By: J.V.L.

Sheet Number:
A5



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American Institute of Architects

284 RACEBROOK RD. TEL (203) 795 5556
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SMEP Consultant:



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
Conn No. 01MH4.05

Sheet Title:

PLUMBING PLANS

APPLICATION # 1060

SAFYRE RESIDENCE

7 Caroline Street
Milford, Connecticut 06460

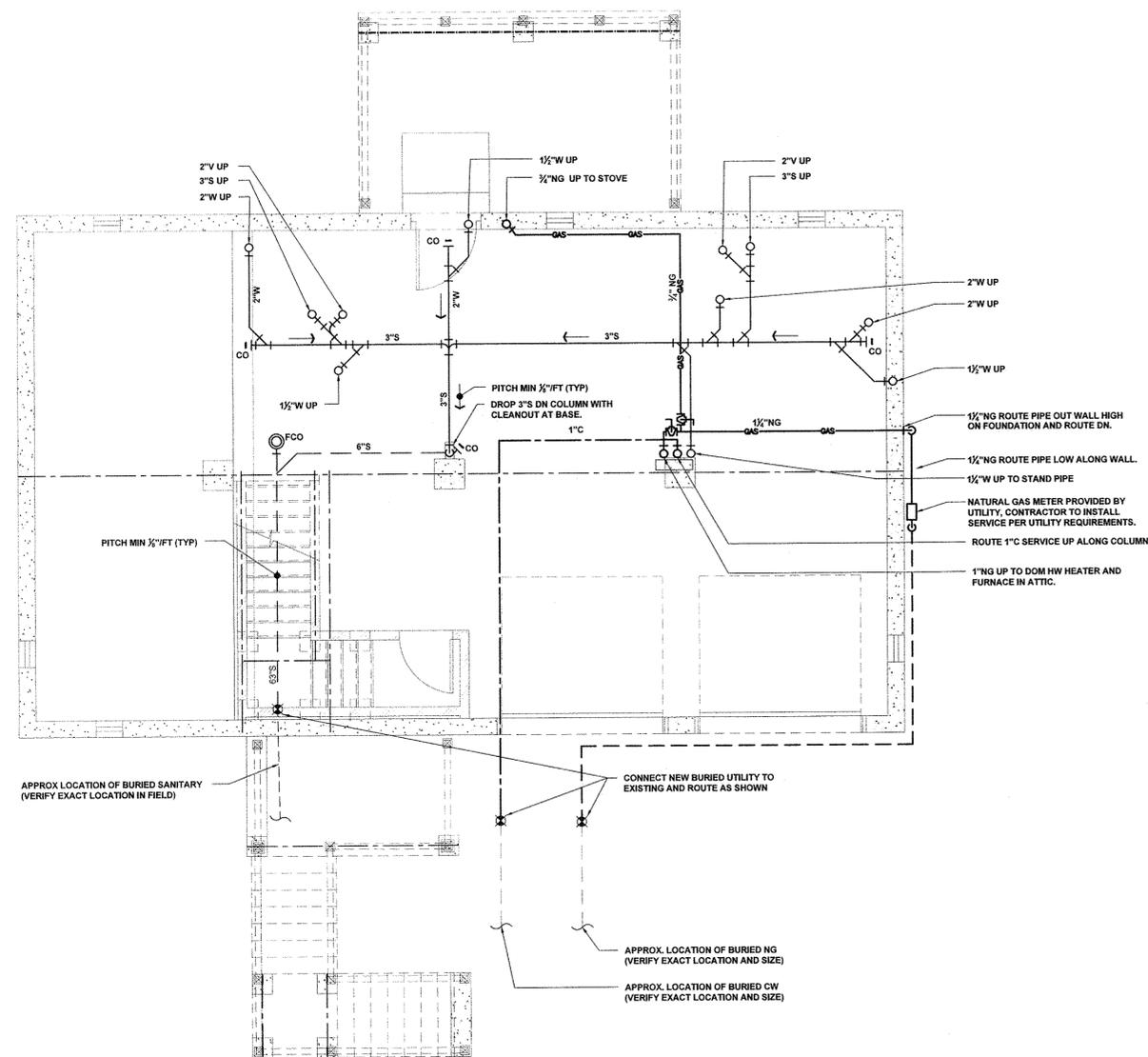
STATE OF CONNECTICUT
DEPARTMENT OF HOUSING
COMMUNITY DEVELOPMENT BLOCK GRANT
DISASTER RECOVERY PROGRAM
OWNER OCCUPIED REHABILITATION
AND REBUILDING PROGRAM (OORR)

Date:
ISSUED FOR BIDDING 10/31/14

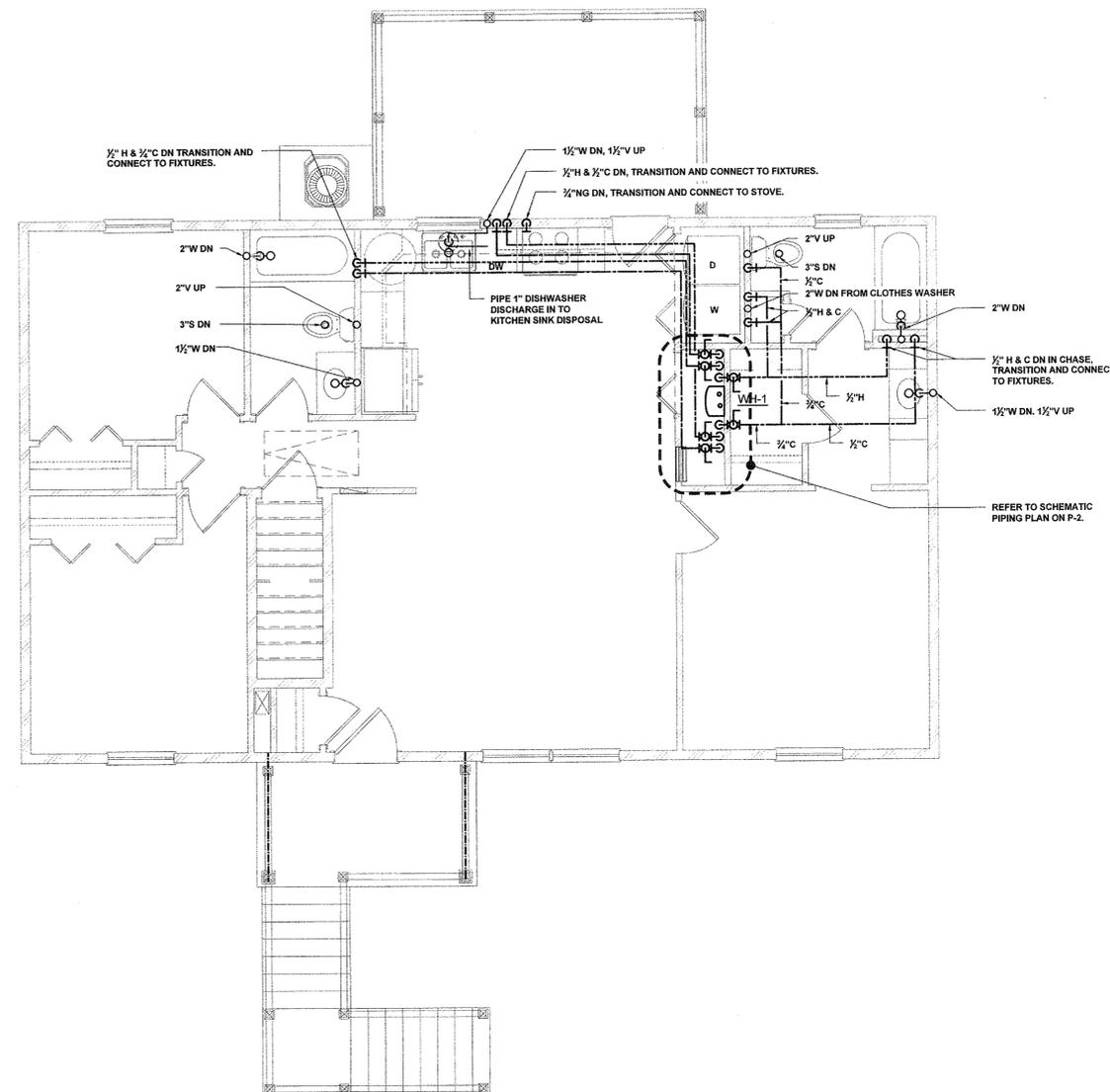
Job Number: 1060
Drawn By: JTF
Approved By: RJS

Sheet Number:

P-1



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



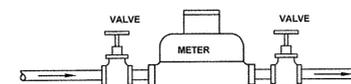
2 SECOND FLOOR PLAN
1/4"=1'-0"

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.

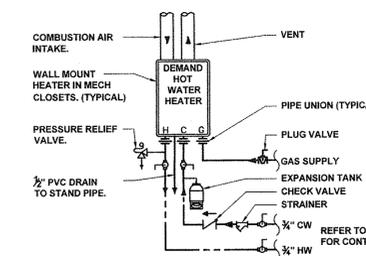
NOTE:

- 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.
- DOMESTIC COLD WATER, SANITARY AND NATURAL GAS SERVICES TO BE ELEVATED ABOVE FLOOD LEVEL AND INSTALLED PER UTILITY AND LOCAL TOWN REQUIREMENTS, INCLUDING INSTALLATION OF A BACK FLOW VALVE IN THE SANITARY SEWER.
- CONTRACTOR SHALL DEMOLISH EXISTING BUILDING UTILITIES BACK TO SUIT INSTALLATION OF NEW UTILITIES SHOWN.
- PIPE 1/2" H&C VALVED BRANCHES TO EACH FIXTURE.



ALL PIPING AND FITTINGS BY CONTRACTOR.
METER SUPPLIED BY UTILITY.

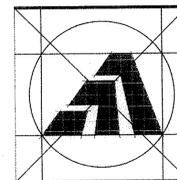
3 TYPICAL WATER METER PIPING DETAIL
NTS



NOTE: INSTALL WATER HEATER PER
MANUFACTURERS RECOMMENDATIONS.

4 WATER HEATER PIPING
SCHEMATIC DIAGRAM





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Comm No. 01MH4.05

Sheet Title:

MECHANICAL PLANS

APPLICATION # 1060

SAFYRE RESIDENCE

7 Caroline Street
Milford, Connecticut 06460

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

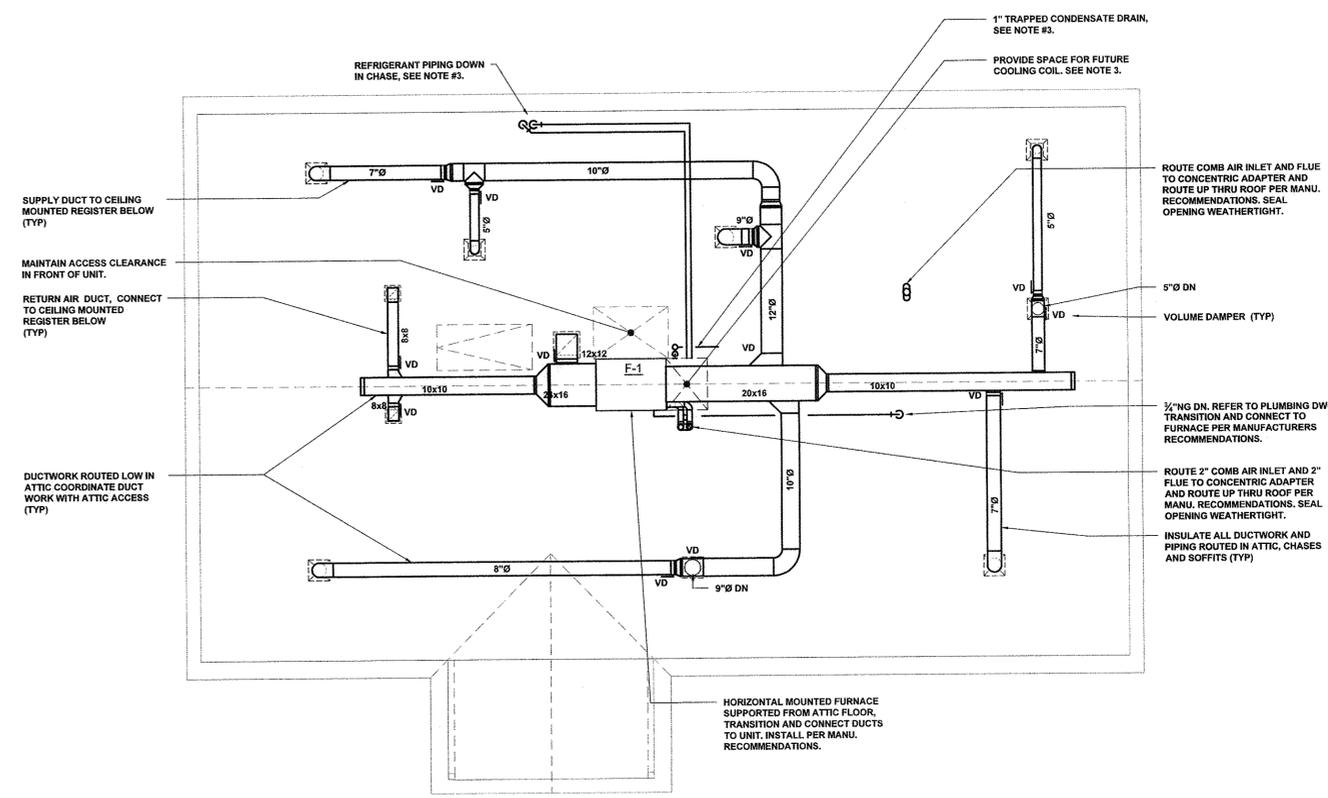
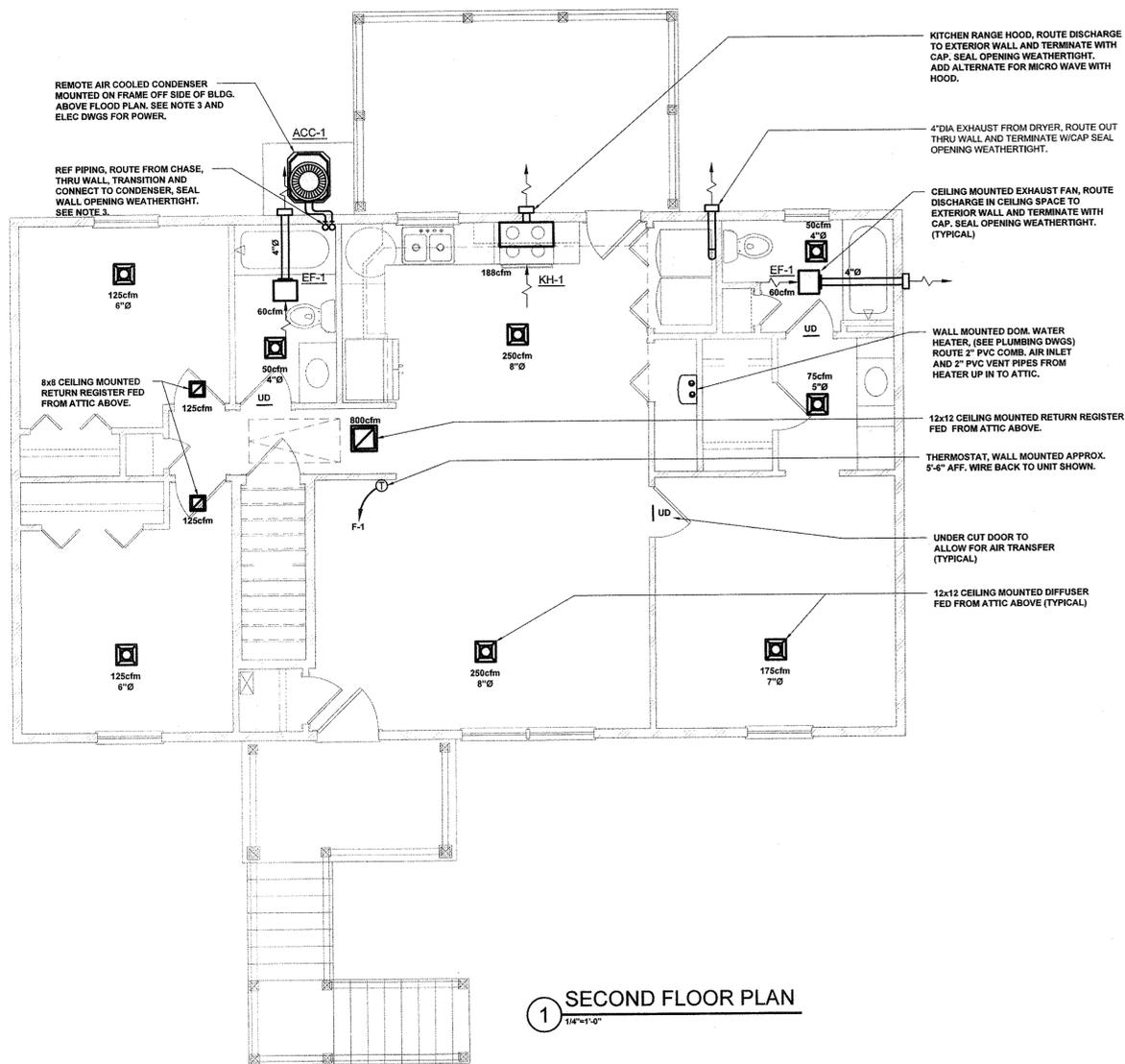
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M-1



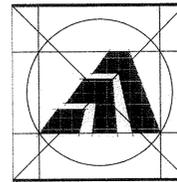
NOTE: COORDINATE LOCATION OF FURNACE, REFRIGERANT PIPING AND DUCTWORK ROUTING WITH LOCATION OF ATTIC ACCESS HATCH. REFER TO ARCH DWGS FOR HATCH LOCATION.

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
AFF	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	⊠			

EXHAUST FAN SCHEDULE											
NUMBER	AIR FLOW (CFM)	STATIC PRESSURE	MOTOR SPEED	FAN SPEED	HP	ELEC	AREA SERVING	TYPE	SONES	MANU/MODEL	REMARKS
EF-1	60	0.25"W.G.	-	1166RPM	25W	120V/1PH	BATHROOMS	CEILING	0.3	PANASONIC MODEL FV-08VQL4	SEE NOTES 1, 2, & 3
KH-1	188	0.25"W.G.	-	1653RPM	73W	120V/1PH	KITCHEN	HOOD	3.5	AIR KING MODEL ESDQ	SEE NOTES 1, 2, & 3

NOTES:
 1) MANU/MODEL LISTED ARE ONLY USED AS THE BASIS FOR DESIGN. REFER TO SPECIFICATIONS FOR LIST OF ACCEPTABLE MANU/MODELS.
 2) PROVIDE ALL FANS WITH DISCONNECT SWITCHES, AND BACKDRAFT DAMPERS.
 3) ALL FANS TO BE ENERGY STAR RATED.

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.
 3. ALL AIR CONDITIONING COMPONENTS PROVIDED WITH SYSTEM INCLUDING COOLING COIL, COND DRAIN, REF PIPING, REMOTE CONDENSER AND ALL ASSOCIATED ACCESSORIES ARE AN ADD ALTERNATE.



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Comm No. 01MH1.05

Sheet Title:

ELECTRICAL PLANS

APPLICATION # 1060

SAFYRE RESIDENCE

7 Caroline Street
Milford, Connecticut 06460

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

Date:
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Drawn By: JTF
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E-1

ELECTRICAL FIXTURE KEY

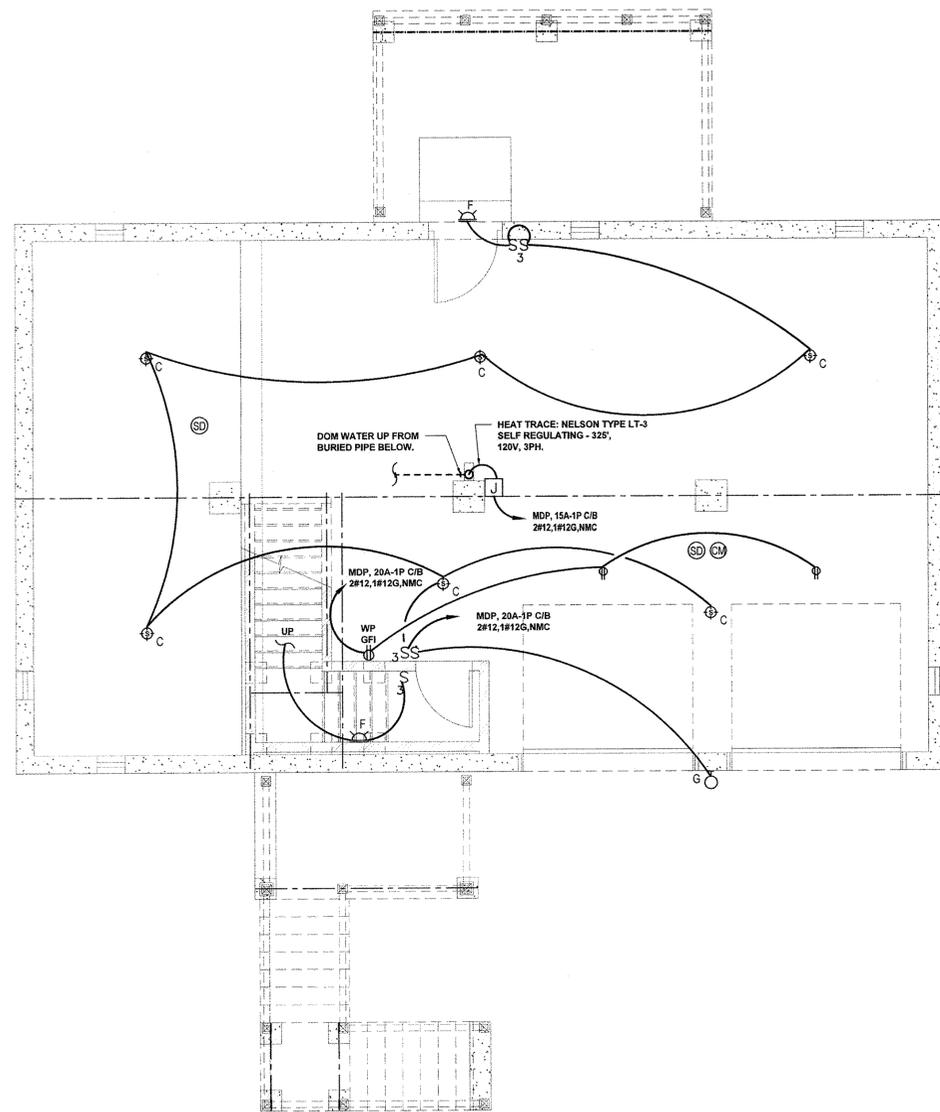
- PENDANT LIGHT FIXTURE
- SURFACE MOUNTED LIGHT FIXTURE
- RECESSED CEILING LIGHT FIXTURE
- WALL MOUNTED LIGHT FIXTURE
- EXTERIOR SURFACE LIGHT
- SINGLE POLE SWITCH
- THREE WAY SWITCH
- DUPLEX RECEPTACLE
- DUPLEX WITH GROUND FAULT INTERRUPTER
- DUPLEX WATER PROOF GROUND FAULT INTERRUPTER
- WP GFI
- ARC 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
- HEAT DETECTOR
- MAIN DISTRIBUTION PANEL
- 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.

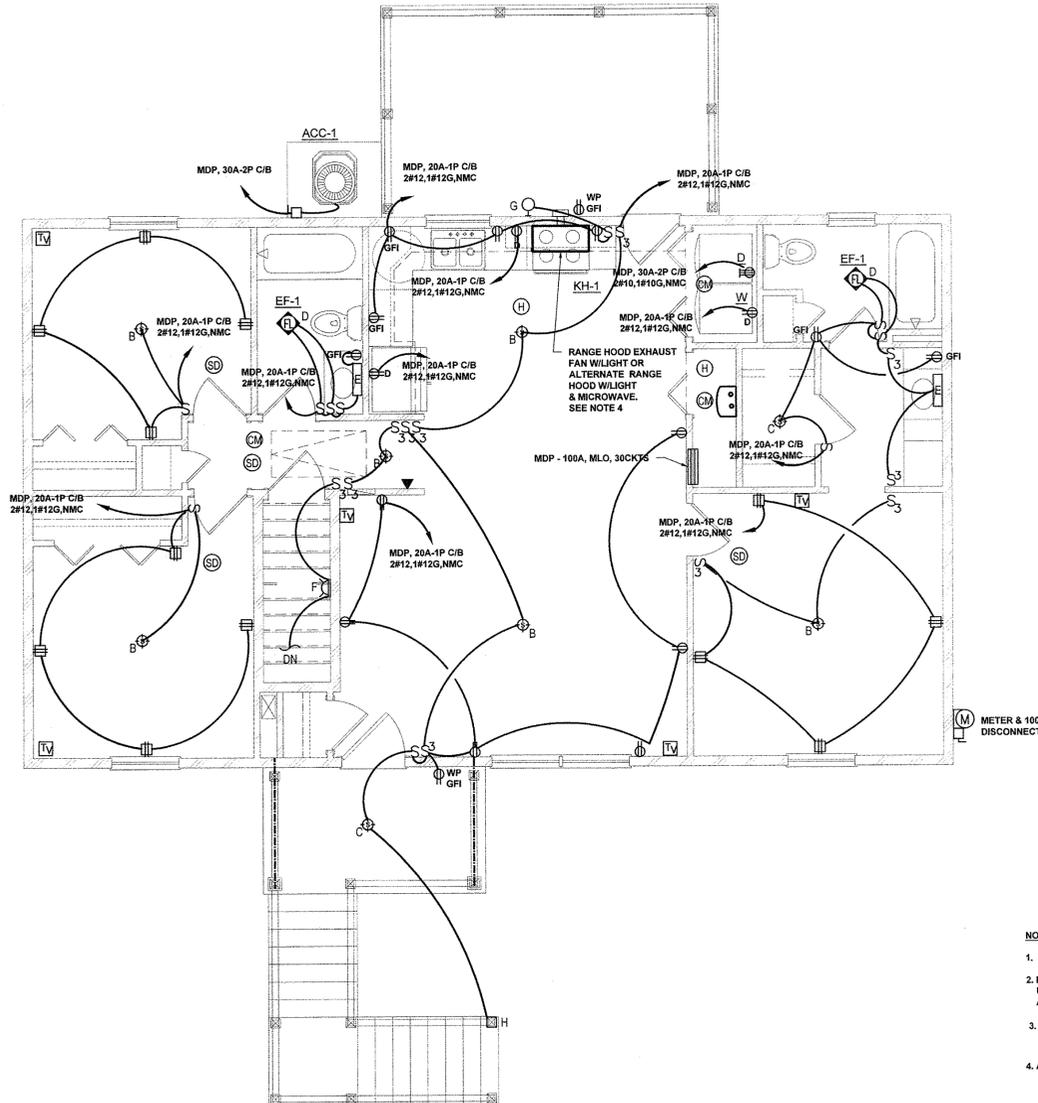
NOTE: COORDINATE FIXTURE LOCATION WITH FRAMING, HVAC PLANS AND INTERIOR DRAWINGS.

NOTES:

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, 1φ, 100A SYSTEM. MUST ALSO BE ADD ALTERNATE BY OWNER. SEE CABLE 3-9/16, 144G, COPPER CABLE.
3. SMOKE, SMOKE/CARBON MONOXIDE DETECTORS TO BE WIRED IN TANDEM (TYPICAL).
4. ALTERNATE ITEM FOR MICROWAVE, RANGE HOOD FANLIGHT COMBINATION, REQUIRES SEPARATE 20A, 1P C/B WITH RECEPTACLE WIRED WITH 2_W, X₁ GND, NMC. ADDITIONAL SEPARATE CIRCUIT TO MDP.



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

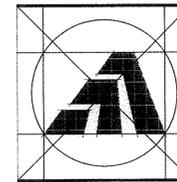


2 SECOND FLOOR ELECTRICAL PLAN
1/4"=1'-0"

LUMINAIRE SCHEDULE

SYMBOL	LABEL	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	LAMP
	A	PROGRESS LIGHTING	P9011-09	INCANDESCENT PENDANT FIXTURE WITH BRUSHED NICKEL FINISH, PRE-WIRED WITH 1/2" OF WIRE UL-CUL LISTED	1-23W CFL
	B	KICHLER	8109	INCANDESCENT 2 LAMP FLUSH MOUNT INDOOR CEILING FIXTURE WITH BRUSHED NICKEL FINISH.	2-15W CFL
	C	PROGRESS LIGHTING	P5744	BLACK MODERN SINGLE FLUSH MOUNT CEILING FIXTURE, ACRYLIC COVER, DAMP LOCATION RATED	1-15W CFL
	D	BROAN	QTXE110FLT	ULTRA-QUIET HIGH PERFORMANCE BATH FANLIGHT FIXTURE WITH MODERN STYLED GRILLE.	2 18W GU24 W44W NIGHT LIGHT
	E	SEA GULL	44081-962	2 LIGHT BATH VANITY FIXTURE IN BRUSHED NICKEL, SATIN WHITE GLASS, UL DAMP RATED.	2-23W CFL
	F	QUORUM INTERNATIONAL	Q681-8	1 LIGHT OUTDOOR WALL SCONCE, BLACK OR WHITE FINISH, UL DAMP RATED	1-23W CFL
	G	QUORUM INTERNATIONAL	7360-45 DENMARK	EXTERIOR WALL OUTDOOR MOUNT LED	1-23W CFL
	H	QUORUM INTERNATIONAL	7364-45	POST MOUNTED OUTDOOR LIGHT	1-23W CFL





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ELECTRICAL PLANS

APPLICATION # 1060

SAFYRE RESIDENCE

7 Caroline Street
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STATE OF CONNECTICUT
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DISASTER RECOVERY PROGRAM
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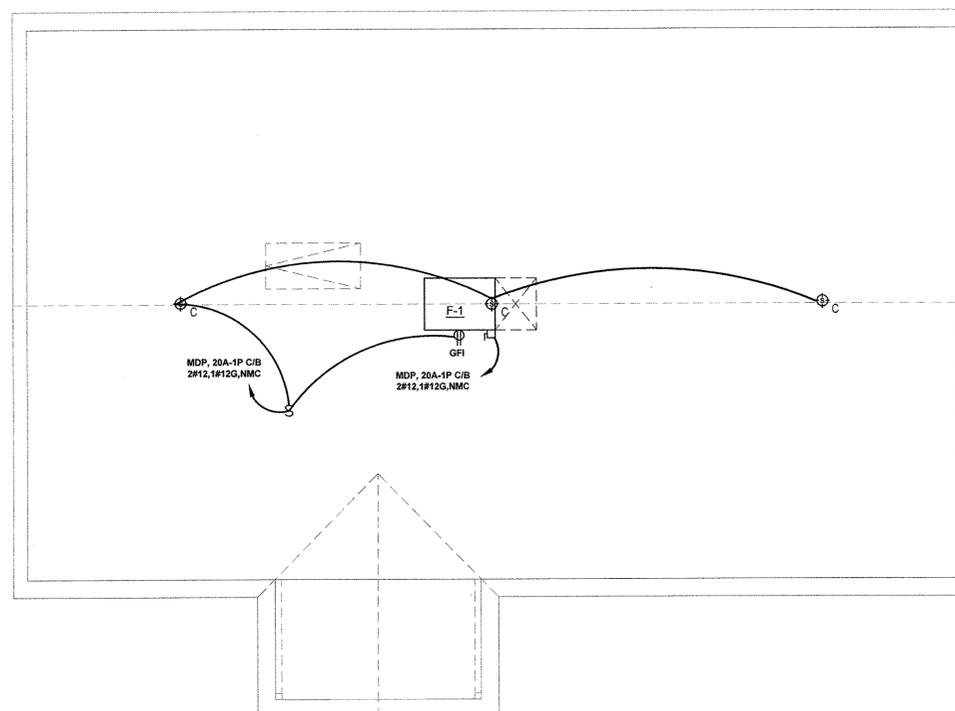
E-2

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
	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
	HEAT DETECTOR
	MAIN DISTRIBUTION PANEL
	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.



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

- NOTES:**
- A/C EQUIPMENT IS ADD ALTERNATE BY OWNER.
 - IF A/C IS INSTALLED - ALL SE EQUIP. AND MAIN PANEL MUST BE UPSIZED TO A 240/120V, 1φ, 100A SYSTEM. MUST ALSO BE ADD ALTERNATE BY OWNER. SE CABLE 3-#20, 1#4G, COPPER CABLE.
 - SMOKE, SMOKE/CARBON MONOXIDE DETECTORS TO BE WIRED IN TANDEM (TYPICAL).

LUMINAIRE SCHEDULE

SYMBOL	LABEL	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	LAMP
	A	PROGRESS LIGHTING	P5011-09	INCANDESCENT PENDANT FIXTURE WITH BRUSHED NICKEL FINISH, PRE-WIRED WITH 12' OF WIRE UL-CUL LISTED	1-23W CFL
	B	KICHLER	8109	INCANDESCENT 2 LAMP FLUSH MOUNT INDOOR CEILING FIXTURE WITH BRUSHED NICKEL FINISH.	2-13W CFL
	C	QUORUM INTERNATIONAL	3308-6-6	WHITE SINGLE FLUSH MOUNT CEILING FIXTURE, GLASS GLOBE, DAMP LOCATION RATED	1-13W CFL
	D	BROAN	QTXE110FLT	ULTRA-QUIET HIGH PERFORMANCE BATH FANLIGHT FIXTURE WITH MODERN STYLED GRILLE.	2 18W GU24 W4W NIGHT LIGHT
	E	SEA GULL	44001-962	2 LIGHT BATH VANITY FIXTURE IN BRUSHED NICKEL, SATIN WHITE GLASS, UL DAMP RATED.	2-23W CFL
	F	QUORUM INTERNATIONAL	Q681-8	1 LIGHT OUTDOOR WALL SCONCE, BLACK OR WHITE FINISH, UL DAMP RATED	1-23W CFL
	G	QUORUM INTERNATIONAL	7360-45 DENMARK	EXTERIOR WALL OUTDOOR MOUNT LED	1-23W CFL
	H	QUORUM INTERNATIONAL	7364-45	POST MOUNTED OUTDOOR LIGHT	1-23W CFL
	I	QUORUM INTERNATIONAL	82025-2-6	2 LIGHT FLUSH MOUNT FIXTURE IN WHITE, SATIN WHITE, CLEAR PRISMATIC LENS.	2-20W, T-8
	J	QUORUM INTERNATIONAL	3043-11-86	CEILING MOUNTED OUTDOOR LIGHT, OILED BRONZE	2-13W CFL



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 SACS, 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 SIZES OR DIMENSIONS SHALL BE MADE BY THE CONTRACTOR WITHOUT FIRST OBTAINING APPROVAL FROM THE ENGINEER.
C. ALL DUCT RUNS SHALL BE CHECKED FOR CLEARANCES BEFORE INSTALLATION OF ANY DUCTWORK.
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.
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.
B. WATER FOR FLUSHING SHALL BE USED IN SUFFICIENT QUANTITY TO PRODUCE A VELOCITY OF AT LEAST 2.5 FEET PER SECOND.
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.

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, ARMSTRONGS THERMOFLEX 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 FIBRE 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:

Table with 2 columns: SYSTEM INSULATION THICKNESS and values for Domestic Cold Water, Domestic Hot Water, and Domestic Cold Water exterior to cold envelope.

1.10 DUCT INSULATION:

- A. MATERIALS SHALL BE AMNIVLE, OWENS/CORNING, CERTAINEED 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.

1.11 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 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 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.

2.7 PLUMBING FIXTURES (OR APPROVED EQUAL):

- A. WATER CLOSET: VITREOUS CHINA, FLOOR MOUNTED, ELONGATED BOWL, WHITE, LOW CONSUMPTION 1.6 GPF, AMERICAN STANDARD MODEL 221AB.004 WITH AMERICAN STANDARD MODEL 5324.019 WHITE SEAT.
B. LAVATORY: ENAMEL STEEL, WHITE, 4" CENTERS, AMERICAN STANDARD MODEL 3004.207. PROVIDE CHROME FINISHED SINGLE LEVER HANDLE FAUCET, AMERICAN STANDARD MODEL 2175.502 WITH 1.5 GPM AERATOR, SUPPLIES AND 1-1/4" TAILPIECE WITH POP-UP DRAIN.
C. SHOWER/TUB: 60"x32"x72.5", ONE-PIECE, WHITE, SOLID SURFACE, AQUARIUS MODEL G-6004-TS. PROVIDE CHROME FINISHED SYMMONS ALLURA MODEL S-4702 TUB/SHOWER SYSTEM WITH SYMMONS TEMPOROL PRESSURE BALANCING DIAPHRAGM TYPE MIXING VALVE WITH 2.0 GPM FLOW RESTRICTOR, OVERTER/VOLUME CONTROL AND TUB SPOUT.
D. KITCHEN SINK: COUNTER MOUNTED, SELF-RIMMING, 18 GA. STAINLESS STEEL, SINGLE HOLE, JUST MODEL SLX-2225-A-GR. PROVIDE SINGLE HANDLE, PULL OUT SPRAY, CHROME FINISHED FAUCET, JUST MODEL JFD-1500 WITH 2.2 GPM AERATOR, JUST MODEL JB-99 DRAIN WITH STRAINER AND 1-1/2" TAILPIECE.
E. CLOTHES WASHER CONNECTION: SYMMONS MODEL W-602 WITH BRASS WATER CONTROL VALVES AND DRAIN.

2.8 PLUMBING EQUIPMENT

- A. DOMESTIC WATER HEATER SHALL BE ENERGY STAR RATED, PACKAGED, WALL MOUNTED, NATURAL GAS-FIRED, TANKLESS, ULTRA HIGH EFFICIENCY (0.98 ENERGY FACTOR), CONDENSING TYPE, NAVIEN MODEL NPE-180S OR APPROVED EQUAL, PROVIDE WITH INTEGRAL DDC CONTROLS, FULLY MODULATING BURNER WITH DIRECT SPARK IGNITION, DUAL STAINLESS STEEL HEAT EXCHANGERS, GAS VALVE WITH SAFETIES, PLUMB EASY VALVE SET, DIRECT VENT WITH OUTDOOR VENT KIT AND CONDENSATION NEUTRALIZATION KIT. HEATER SHALL BE DESIGNED FOR USE WITH 115V/1-PHASE POWER. CAPACITY SHALL BE 15,000 TO 150,000 BTUH WITH AN ENERGY FACTOR OF 0.98.
B. WATER HEATER FLUE AND COMBUSTION AIR INTAKE SHALL BE SCHEDULE 40 PVC WITH SOLVENT WELD FITTINGS.

PART 3 - HVAC

3.1 FURNACE

- A. HORIZONTAL (UPFLOW), 96% AFUE, ENERGY STAR RATED, TWO-STAGE, NATURAL GAS-FIRED, DIRECT VENTED, MULTI-SPEED ECM BLOWER MOTOR, AMERICAN STANDARD GOLD ZM SERIES, MODEL AUH22020A03V9 MAXIMUM CAPACITY 58,200 BTUH. PROVIDE WITH CONCENTRIC VENT ADAPTER KIT MODEL BAYAR30AVENTA.
B. COOLING COIL (ALTERNATE): HIGH EFFICIENCY, CASED HORIZONTAL, SPLIT SYSTEM, MATCHED TO FURNACE, AMERICAN STANDARD 4TXX SERIES.
C. REMOTE AIR-COOLED CONDENSER (ALTERNATE): R-410A BASED, MINIMUM 16 SEER, DESIGNED FOR USE WITH SPECIFIED GAS-FIRED FURNACE. PLATINUM XM SERIES, AMERICAN STANDARD MODEL 4A7A6024E.

3.2 EXHAUST FANS

- A. EF-1: ENERGY STAR RATED, LOW NOISE, CEILING MOUNT TYPE, FAN SPEED BE VARIABLE SPEED, DIRECT DRIVE, BRUSHLESS DC MOTOR, ACOUSTICALLY INSULATED AND AMCA CERTIFIED. PROVIDE FAN WITH CEILING GRILLE, 32-WATT FLUORESCENT LIGHT AND 4-WATT NIGHT LIGHT. NOISE LEVEL SHALL BE LESS THAN 1 SONE AT HIGH SPEED. FAN SHALL BE PANASONIC WHISPER-LITE SERIES MODEL FV-08VQL4.
B. KH-1: ENERGY STAR RATED, LOW NOISE, OVER RANGE KITCHEN HOOD, HOOD SHALL BE DIRECT DRIVEN, ACOUSTICALLY INSULATED AND AMCA CERTIFIED. PROVIDE HOOD WITH LIGHT AND GREASE FILTER. HOOD SHALL BE DESIGNED FOR HORIZONTAL OR VERTICAL DUCTING. NOISE LEVEL SHALL BE LESS THAN 4 SONES AT HIGH SPEED. HOOD SHALL BE AIR KING ESQQ SERIES/ESADA ACCESSIBLE SERIES OR EQUAL.

3.3 KITCHEN HOOD (ALTERNATE)

A. MICROWAVE VENTED KITCHEN HOOD BE PROVIDED BY OWNER FOR INSTALLATION BY THIS CONTRACTOR.

3.4 PIPING

A. REFRIGERANT PIPING SHALL BE TYPE L ACR COPPER TUBING WITH WROUGHT COPPER FITTINGS AND 95/5 SOLDERED JOINTS.

3.5 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 THERMAFLEX MODEL M-KF WITH 1 1/2" INSULATION, UL 181 LISTING AND MAXIMUM LENGTH OF 8'-0".

3.6 DIFFUSERS, REGISTERS AND GRILLES:

- A. SUPPLY DIFFUSERS SHALL BE TITUS MODEL TMSA OF STEEL CONSTRUCTION WITH MODEL AC-75 OPPOSED BLADE DAMPER AND ADJUSTABLE LOUVER VANES. SIZE AND CAPACITY AS NOTED ON THE DRAWINGS.
B. SUPPLY REGISTERS SHALL BE TITUS MODEL 272RS OF STEEL CONSTRUCTION WITH MODEL AC-35 OPPOSED BLADE DAMPER AND ADJUSTABLE VANES IN THE HORIZONTAL AND VERTICAL DIRECTIONS. SIZE AND CAPACITY AS NOTED ON THE DRAWINGS.
C. RETURN AIR GRILLES SHALL BE TITUS MODEL 50F EG-CRATE TYPE WITH 1/2" ALUMINUM GRID AND OPPOSED BLADE DAMPER. SIZE AND CAPACITY AS NOTED ON THE DRAWINGS.

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.

- A. THERMOSTAT SHALL BE TOUCH SCREEN, 7-DAY PROGRAMMABLE TYPE, HONEYWELL MODEL RTH8500D.
B. SEQUENCES-OF-OPERATION:
1. BATHROOM EXHAUST FAN SHALL OPERATE UPON ACTIVATION OF ROOM LIGHT SWITCH, FAN SHALL OPERATE ON HIGH SPEED SUBJECT TO A (ADJ.) TIME DELAY.
2. KITCHEN EXHAUST FAN SHALL OPERATE UPON ACTIVATION OF ROOM SWITCH.
3. FURNACE SHALL START AND MODULATE THE GAS-FIRED BURNER OR COMPRESSOR TO MAINTAIN SETPOINT (70 DEG HEATING/75 DEG F COOLING, ADJUSTABLE) AS MEASURED AT THE ROOM THERMOSTAT.

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 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 OBTAIN 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 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 THWN/THHN, 98% 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 RATINGS, 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: 90C DRY (CONDUCTOR AMPACITY IS LIMITED TO 60C, 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 (IVORY) (GRAY) (WHITE) (BROWN) (RED).

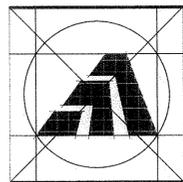
RECEPTACLE AND SWITCH COVER PLATES SHALL BE (SMOOTH THERMOPLASTIC) (STAINLESS STEEL 302) (IVORY) (RED) (LABELED EMERGENCY) (WHERE INDICATED).

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.



Amaya Architects
American Institute of Architects

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TEL (203) 795 5656
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SMEP Consultant:



Loureiro Engineering Associates, Inc.
100 Northwest Drive
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An Employee Owned Company
email: info@loureiro.com
Comm No. 01MH4.05

Sheet Title:

SPECIFICATIONS

APPLICATION # 1060

SAFYRE RESIDENCE

7 Caroline Street
Milford, Connecticut 06460

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

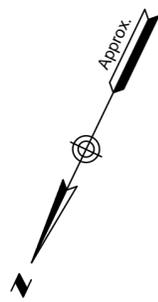
Date:
ISSUED FOR BIDDING 10/31/14

Job Number: 1060
Drawn By: RJSJKH
Approved By: RJSJKH

Sheet Number:

SP-1





ZONING TABLE - R-5 ZONE			
	Required	Existing	Proposed
Min. Lot Area	5,000 S.F.	7,109± S.F.	No Change
Min. Setbacks			
Front Yard	10'	19.2'	24'
Side Yard	5' & 10'	5.2'/10.4'	14.5'/13.9'
Rear Yard	20'-0"	44.9'	44.7'
Max. Height (Stories)	3	1	2
Max. Height	35	12±	23.8'
Building Floor Area	45%	20.9%±	16.1%
Lot Coverage	65%	26.6%±	22.9%

* 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)

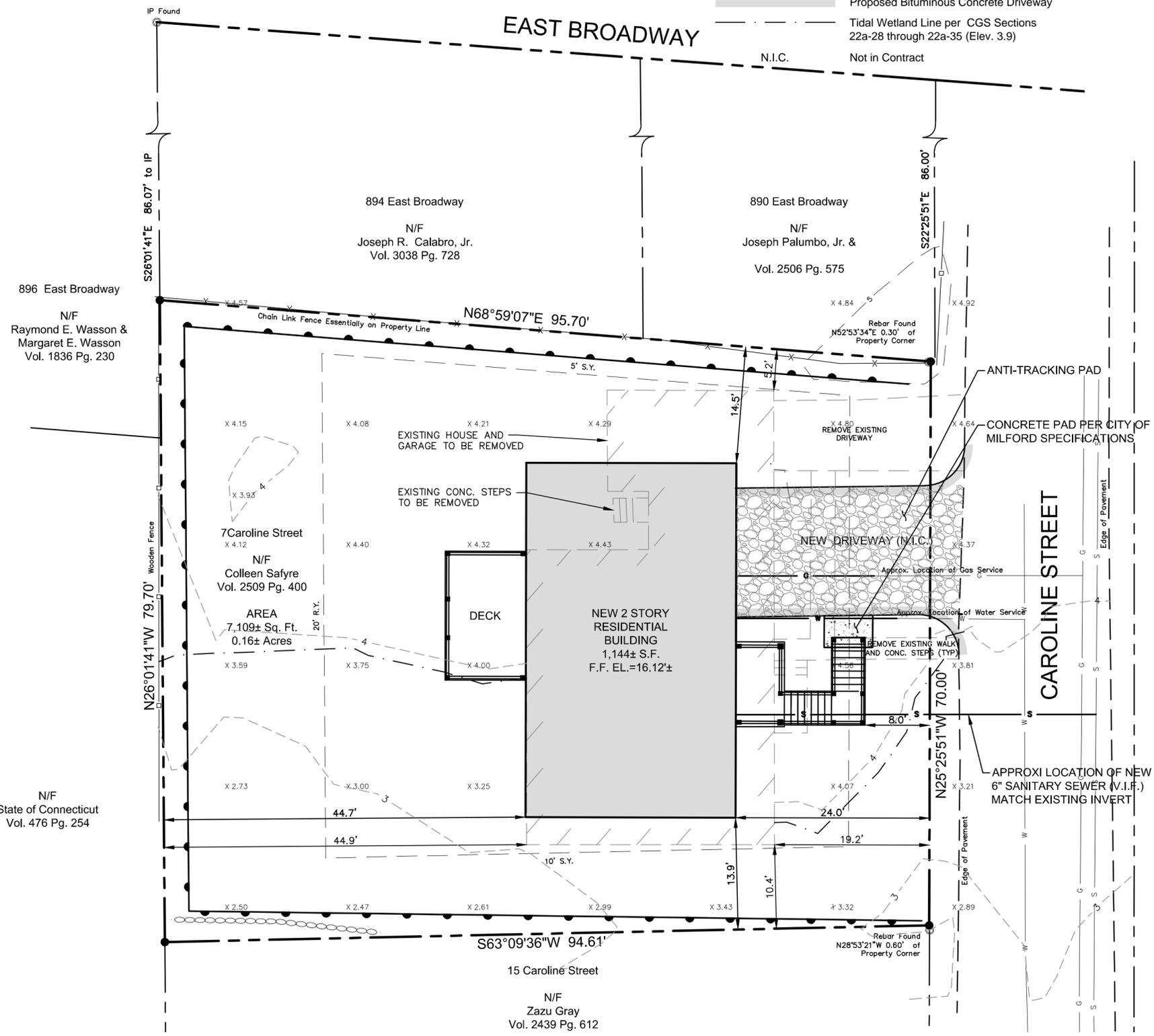
LEGEND	
•	Property Corner
○	Rebar Found
---	Property Line
- - -	Setback Line
X	Chain Link Fence
□	Wooden Fence
○ ○ ○ ○ ○	Stonewall
G	Existing Gas Service
W	Existing Watermain
—●—	Proposed Erosion Control Barrier
—G—	Proposed Gas Service Lateral
—W—	Proposed Water Service Lateral
—	Proposed Bituminous Concrete Driveway
---	Tidal Wetland Line per CGS Sections 22a-28 through 22a-35 (Elev. 3.9)
N.I.C.	Not in Contract

GENERAL NOTES:

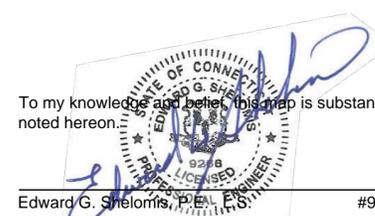
- Prior to demolition, all erosion control barriers shall be placed in accordance with the Town of Milford's requirements and shall be left in place and maintained until the work has been completed and surfaces stabilized.
- It shall be the responsibility of the contractor to monitor the condition of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

SURVEY 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 7A.
- This map conforms to Class A-2 horizontal accuracy, Class T-2 Topographic accuracy and V-2 Vertical accuracy.
- The bearings are based upon the assumed datum. The north arrow is an approximate magnetic north.
- Elevations are referenced to North American Vertical Datum of 1988 (NAVD88) holding City of Milford Benchmark 88-24 with a published elevation of 6.34.
- Map References:
 A. "Map of Lots, Ft. Trumbull Beach, owned by Clark & Haskins, Milford, Conn.," dated July 3, 1909 prepared by V.B. Clark; map on file in the City of Milford Land Records as map A-60.
 B. "Plot Plan for Dorothy H. VonHacht, #884 East Broadway being Lot 26 on Map of Lots in Fort Trumbull Beach dated July 3, 1909 in Milford, Connecticut," scale: 1"=40' date 30 Aug, 2007 prepared by Gioacchino Nicolò; map on file in the City of Milford Land Records as map AB3250.
- 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 533 of 635, Milford, City of," Map Number 09003C0533J, map revised July 8, 2013.
- Parcel is depicted on the City of Milford Tax Assessor's Map 27, Block 448 as Lot 15.
- 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.



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



Edward G. Sheiornis, P.E. #9266

Loureiro Engineering Associates, Inc. 100 North Main Street, Milford, Connecticut 06460 Phone: 860-747-6181 • Fax: 860-747-8832 An Employee Owned Company • www.Loureiro.com	
SCALE 1"=10' DATE 01/14/05	DRAWN BY P.M.C.
DATE 8/15/2014	APPROVED BY E.G.S.
PROPERTY/BOUNDARY & TOPOGRAPHIC SURVEY 7 CAROLINE STREET, MILFORD, CONNECTICUT	
SITE PLAN	
SHEET NO. 1 NO. OF SHEETS 1	

Coastal Materials Testing Lab, LLC 10 Hart Street West Haven, CT 06516 Phone: 203-691-5966		CLIENT: Amaya Architects		SHEET 1 OF 2 HOLE NO. B-1						
PROJECT NO. G109-9737-14		PROJECT NAME 7 Caroline Street		BORING LOCATIONS per sketch						
FOREMAN - DRILLER TP/cm		LOCATION Milford, CT								
INSPECTOR		CASING	SAMPLER	CORE BAR	OFFSET					
GROUND WATER OBSERVATIONS AT 4 FT AFTER 0 HOURS		TYPE HSA	SS	DATE START 8/17/14						
AT FT AFTER HOURS		SIZE I.D. 3 1/4"	1 3/8"	DATE FINISH 8/17/14						
		HAMMER WT. 140#	BIT	SURFACE ELEV.						
		HAMMER FALL 30"		GROUND WATER ELEV.						
DEPTH	CASING BLOWS PER FOOT	NO	Type	PEN REC	DEPTH @ BOT	BLOWS PER 6 IN ON SAMPLER (FORCE ON TUBE) 0-8 8-12 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.
1	1	ss	24"	12"	20"	1	2	dry	6" TOPSOIL: fm FM SAND, sm organic silt, roots, tr F gravel	
2	2	ss	24"	4"	40"	4	13	loose	small BOULDER @ 20"	
3	3	ss	24"	17"	60"	2	1	stiff	dk brn organic SILT, roots, FM sand, F gravel	
4	4	ss	24"	20"	80"	2	1	stiff	dk brn organic silt, peat	
5	5	ss	24"	21"	100"	2	1	stiff	gry F SAND & organic SILT, peat	
6	6	ss	24"	24"	120"	2	2	loose	gry VF SAND, sm organic silt, peat	
7	7	ss	24"	24"	170"	2	1	loose	gry FM SAND, lt organic peat roots	
8	8	ss	24"	22"	220"	5	8	stiff	gry organic SILT, sm peat, tr VF sand	
9	9	ss	24"	18"	270"	9	11	stiff	gry F SAND & organic SILT, peat	
10	10	ss	24"	18"	320"	6	8	stiff	gry organic SILT, lt F sand	
11	11	ss	24"	20"	370"	8	12	stiff	gry red brn SILT, lt lenses, clay, kansas VF sand	
12	12	ss	24"	20"	420"	10	12	stiff	gry SILT, lt clay, tr VF sand	

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
 WOR = WEIGHT OF RODS 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

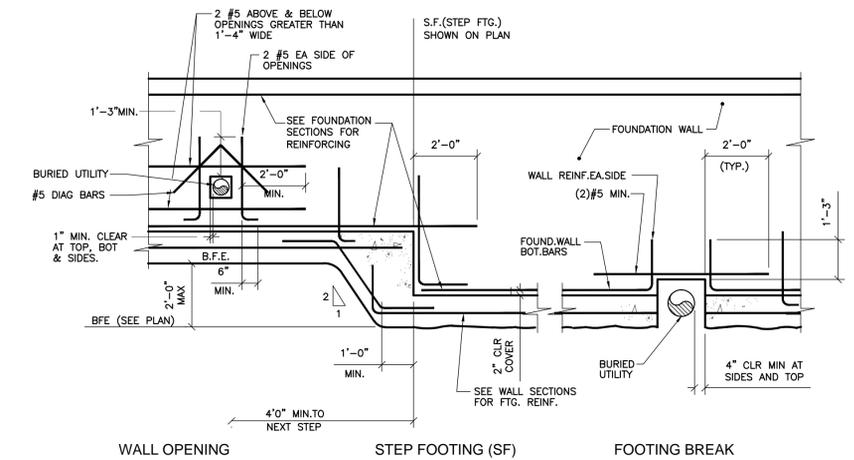
Coastal Materials Testing Lab, LLC 10 Hart Street West Haven, CT 06516 Phone: 203-691-5966		CLIENT: Amaya Architects		SHEET 2 OF 2 HOLE NO. B-1						
PROJECT NO. G109-9737-14		PROJECT NAME 7 Caroline Street		BORING LOCATIONS per sketch						
FOREMAN - DRILLER TP/cm		LOCATION Milford, CT								
INSPECTOR		CASING	SAMPLER	CORE BAR	OFFSET					
GROUND WATER OBSERVATIONS AT 4 FT AFTER 0 HOURS		TYPE HSA	SS	DATE START 8/17/14						
AT FT AFTER HOURS		SIZE I.D. 3 1/4"	1 3/8"	DATE FINISH 8/17/14						
		HAMMER WT. 140#	BIT	SURFACE ELEV.						
		HAMMER FALL 30"		GROUND WATER ELEV.						
DEPTH	CASING BLOWS PER FOOT	NO	Type	PEN REC	DEPTH @ BOT	BLOWS PER 6 IN ON SAMPLER (FORCE ON TUBE) 0-8 8-12 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.
12	12	ss	24"	20"	420"	10	12	stiff		gry red brn SILT, sm clay, tr VF sand lenses
13	13	ss	24"	22"	470"	4	6	stiff		gry red brn SILT, sm clay
14	14	ss	24"	20"	520"	4	5	stiff		SAME
15	15	ss	24"	170"				stiff		E.O.B. 520"

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

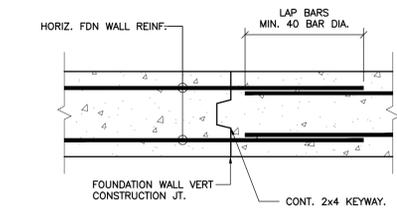
GROUND SURFACE TO FT. USED CASING THEN CASING TO FT. HOLE NO. B-1

A = AUGER UP = UNDISTURBED PISTON T = THINWALL V = VANE TEST
 WOR = WEIGHT OF RODS 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



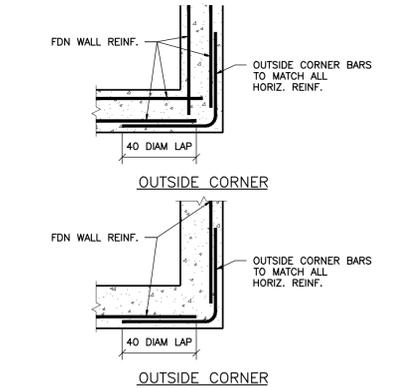
TYP. FOUNDATION WALL/FOOTING DETAILS
NTS



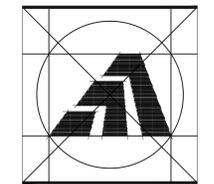
FDN WALL CONST. JT. DETAIL
NTS

BAR SIZE	COMPRESSION LAP SPlice LENGTH	TENSION (fc=4,000psi) LAP SPlice LENGTH			
		TOP BARS		OTHER BARS	
		Category I	Category II	Category I	Category 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	38"	102"	153"	78"	117"
#11	43"	113"	170"	87"	130"

- NOTES FOR SCHEDULES OF SPlice LENGTH:
- THE SCHEDULES BELOW INCLUDES SPlice LENGTHS WHICH SATISFY THE PROJECT REQUIREMENTS AND THE FOLLOWING CRITERIA:
 $f_y = 60,000 \text{ psi}$
 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.
 - 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 FOR ALL OTHER SPlices (UNLESS OTHERWISE SHOWN ON DRAWINGS).
 - THE STANDARD LAP SPlice ($0.0005 \times f_y \times d$) 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-95 CODE PERMITTING THE LESSER SPlice LENGTH SHALL BE INDICATED IN THE SUBMITTED MATERIAL.
 - TOP BARS ARE HORIZONTAL BARS PLACED SO THAT MORE THAN 12 INCHES OF CONCRETE IS CAST IN THE MEMBER BELOW THE BAR.



DETAIL - TYPICAL FND WALL CORNER REINF.
NTS



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An Employee Owned Company
email: info@loureiro.com
Comm No. 01MH4.05

Sheet Title:
BORING LOGS & REINF. NOTES

APPLICATION # 1060

SAFYRE RESIDENCE
7 Caroline Street
Milford, Connecticut 06460

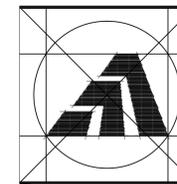
STATE OF CONNECTICUT
DEPARTMENT OF HOUSING
COMMUNITY DEVELOPMENT BLOCK GRANT
DISASTER RECOVERY PROGRAM
OWNER OCCUPIED REHABILITATION
AND REBUILDING PROGRAM (OOR)

Date:
ISSUED FOR BIDDING 10/31/14

Job Number: 1060
Drawn By: JTF
Approved By: EGS

Sheet Number:
S-2





Amaya Architects
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Comm No. 01MH4.05

Sheet Title:
FOUNDATION
DETAILS

APPLICATION # 1060

SAFYRE RESIDENCE
7 Caroline Street
Milford, Connecticut 06460

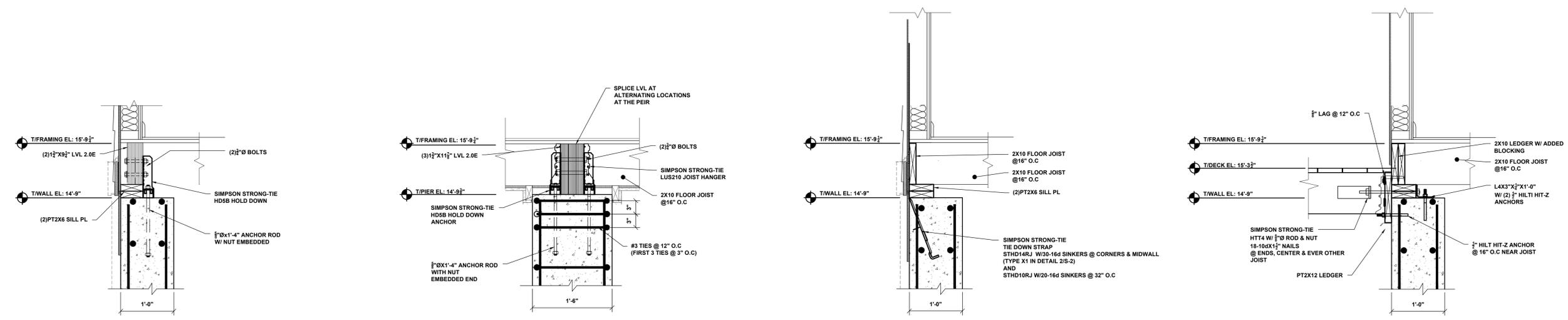
STATE OF CONNECTICUT
DEPARTMENT OF HOUSING
COMMUNITY DEVELOPMENT BLOCK GRANT
DISASTER RECOVERY PROGRAM
OWNER OCCUPIED REHABILITATION
AND REBUILDING PROGRAM (OOR)

Date:
ISSUED FOR BIDDING 10/31/14

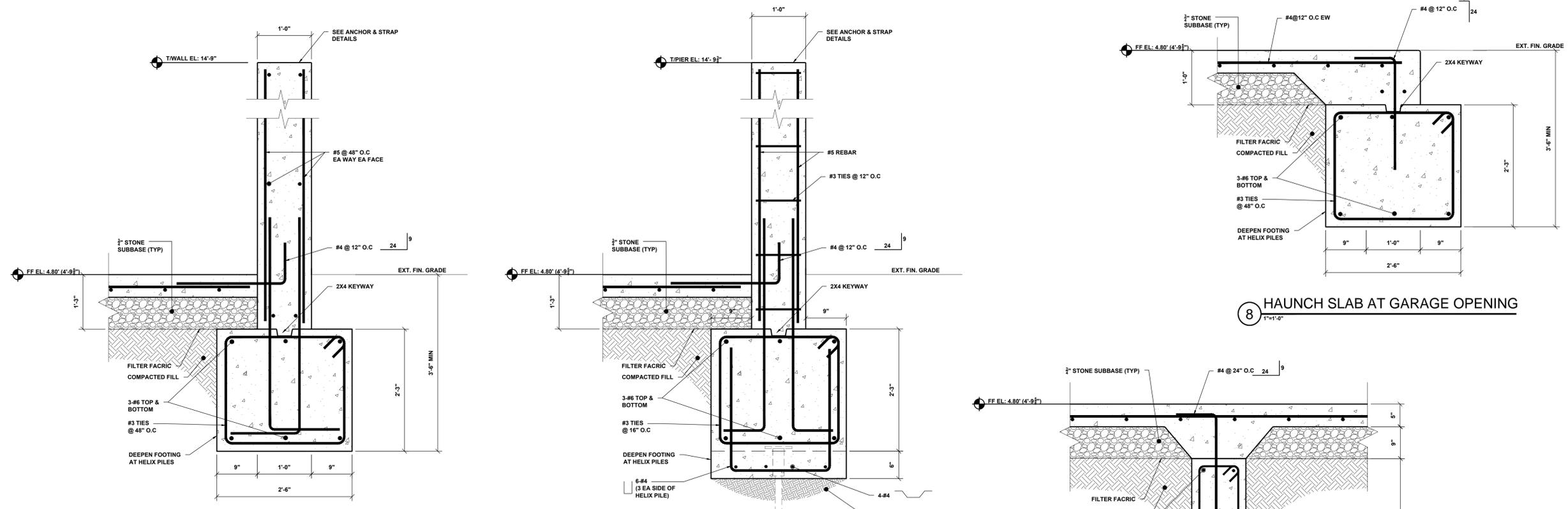
Job Number: 1060 JRO
Drawn By: EGS
Approved By:

Sheet Number:

S-4

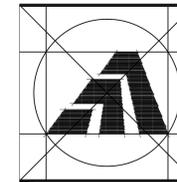


1 ANCHOR DETAIL 1"=1'-0"
2 ANCHOR DETAIL 1"=1'-0"
3 STRAP TIE DOWN DETAIL 1"=1'-0"
4 DECK TIE BACK STRAP DETAIL 1"=1'-0"



5 CONCRETE WALL & FOOT SECTION 1"=1'-0"
6 CONCRETE PIER, FOOTING AND HELIX PILE SECTION 1"=1'-0"
7 CONCRETE GRADE BEAM SECTION 1"=1'-0"
8 HAUNCH SLAB AT GARAGE OPENING 1"=1'-0"

G:\UTD\00\PROJECTS\1060\1060_05_23_14\DWG Tab: S-4_Sheet: 10/31/2014 8:42 AM Plotter: 10/7/2014 1:59 PM



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Comm No. 01MH4.05

Sheet Title:
**ROOF FRAMING
PLAN AND DETAILS**

APPLICATION # 1060

SAFYRE RESIDENCE
7 Caroline Street
Milford, Connecticut 06460

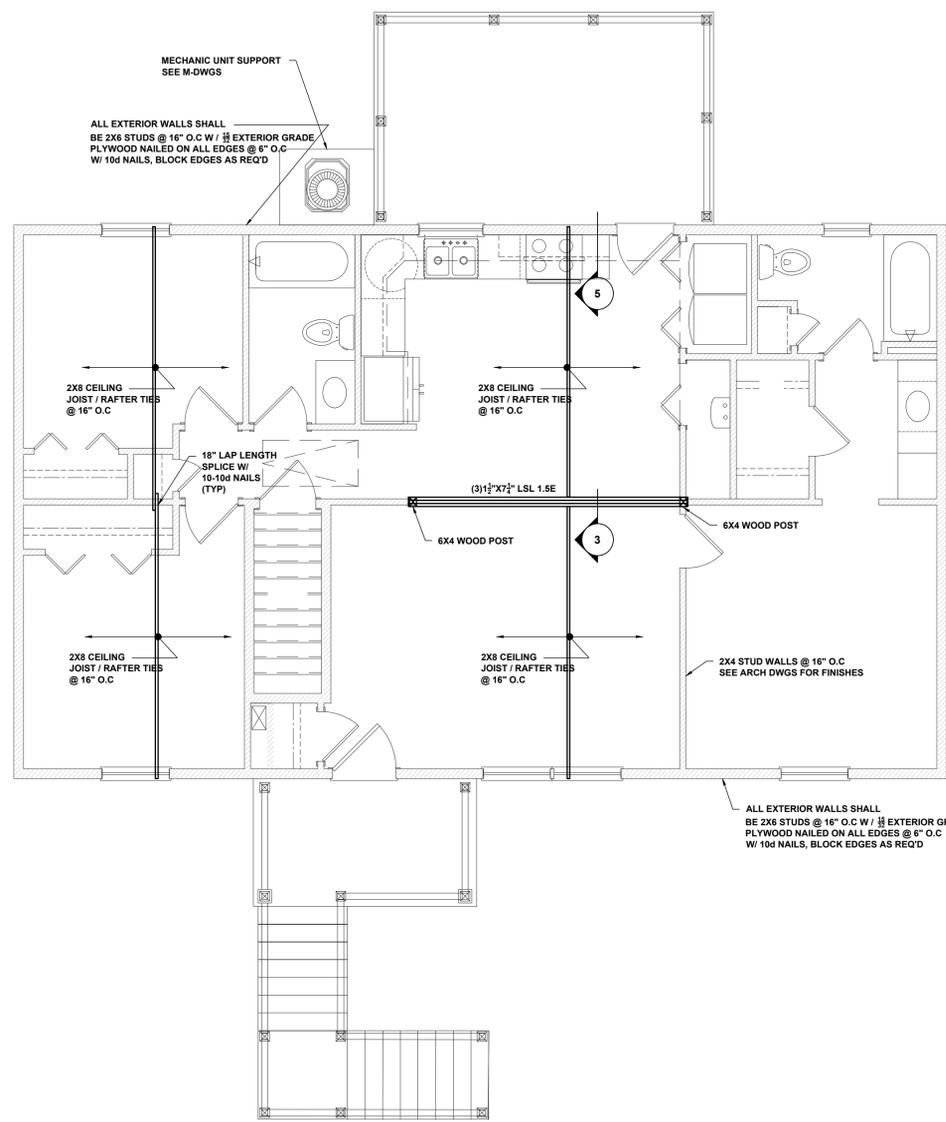
STATE OF CONNECTICUT
DEPARTMENT OF HOUSING
COMMUNITY DEVELOPMENT BLOCK GRANT
DISASTER RECOVERY PROGRAM
OWNER OCCUPIED REHABILITATION
AND REBUILDING PROGRAM (OORR)

Date:
ISSUED FOR BIDDING 10/3/14

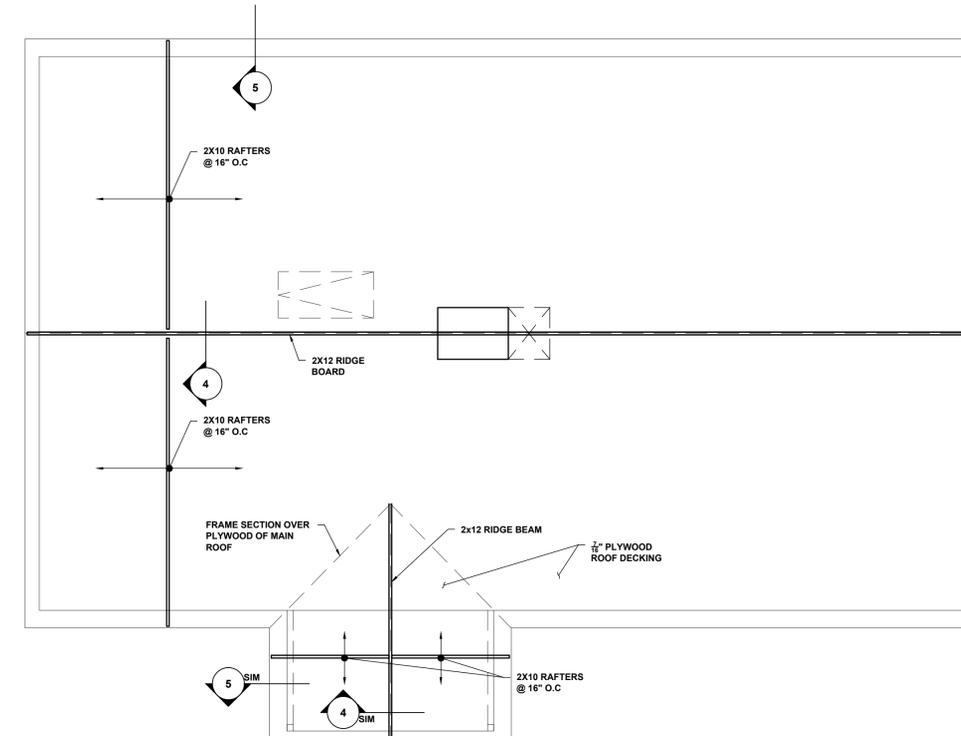
Job Number: 1060 JRO
Drawn By: EGS
Approved By:

Sheet Number:

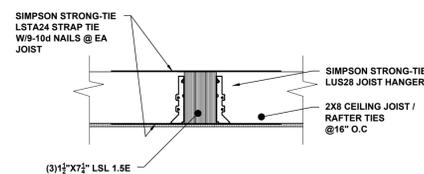
S-5



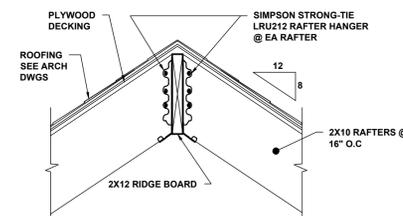
1 SECOND FLOOR & CEILING FRAMING PLAN
1/4"=1'-0"



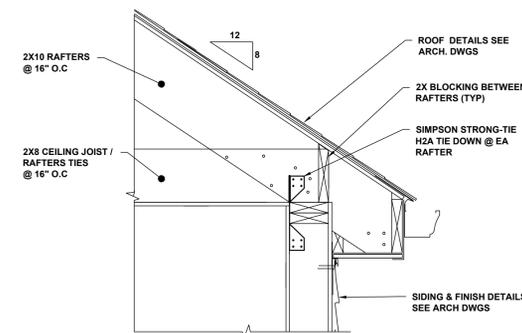
2 ROOF FRAMING PLAN
1/4"=1'-0"



3 CEILING JOIST GIRDER SECTION
1"=1'-0"



4 ROOF RIDGE FRAMING DETAIL
1"=1'-0"



5 ROOF EAVE FRAMING DETAIL
1"=1'-0"

GENERAL NOTES

- SCOPE OF WORK INCLUDES: NEW CONSTRUCTION OF (2) STORY RESIDENCE IN AE-1 FLOOD ZONE.
- 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	PLB'G 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
EXISTG EXISTING	SC SOLID CORE
EXP EXPANSION	SHT 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	SQ IN SQUARE INCH
FIN FINISHED	SS STAINLESS STEEL
FL FLUORESCENT	ST STREET
FOF FACE OF FINISH	STD STANDARD
FP FIRE PROOFING	SUSP SUSPENDED
FPSC FIRE PROOF SOLID CORE	SYM SYMMETRICAL
FR FIRE RESISTANT	SYS SYSTEM
FS FULL SCALE	T & G TONGUE & GROOVE
FT FEET	TEL TELEPHONE
FTR FINNED TUBE RADIATION	TEMP TEMPERATURE
GA GAUGE	THERM 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	UON 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 NOTES
T-1 TITLE SHEET: GENERAL NOTES, DRAWING LIST, APPLICABLE CODES, SITE MAP, SYMBOL LEGEND, ETC.	S-2 BORING LOGS & REINF. NOTES
A-1 FIRST FLOOR PLAN	S-3 FOUNDATION & 2ND FLR. FRAMING PLAN
A-2 SECOND FLOOR PLAN, AND ROOF PLAN	S-4 FOUNDATION DETAILS
A-3 ELEVATIONS	S-5 ROOF FRAMING PLAN & DETAILS
A-4 BUILDING SECTION AND DETAILS	
A-4.1 DETAILS	
A-5 DOOR & WINDOW SCHEDULES AND DETAILS	
A-6 ENLARGED PLANS AND INT. ELEVATIONS & 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

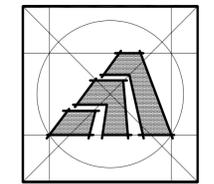
GROUP R-3 FOR SINGLE FAMILY (2) STORY DWELLING	FLOOD ZONE - AE 11:
BUILDING CATEGORY: II	REQUIRED: DFE = 11.00' x 1.25 (500-YEAR FLOOD ELEVATION) + 1'-0" FREEBOARD = 14.75
CONSTRUCTION TYPE: V	PROPOSED: DFE = 14.75' (TOP OF FOUNDATION)
PROPOSED BUILDING MEAN HEIGHT 25'-0" +/-	PROPOSED: DFE = SEE SITE PLAN (TOP OF FINISH FLOOR)
WIND SPEED 100 MPH [PER IRC 2009 AND 2013 CT AMENDMENTS(AMD)]	DESIGNED FOR 500-YEAR FLOOD BASED ON SHPO & NFIP REGULATORY REQUIREMENTS:
WIND IMPORTANCE FACTOR - (Iw)=1.49 - PER TABLE R301.2(3)	FLOOD PLAIN MANAGEMENT REGULATIONS BY LOCAL JURISDICTION AND PER
WIND EXPOSURE - "C"	LATEST FIRM FLOOD MAPS & CONSENSUS STANDARDS

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

PROJECT DATA

OWNER:	COLLEEN N. SAFYRE 7 CAROLINE STREET MILFORD, CONNECTICUT 06460
SITE LOCATION:	7 CAROLINE STREET MILFORD, CONNECTICUT 06460



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Sheet Title:
TITLE SHEET

APPLICATION # 1060
SAFYRE RESIDENCE
7 Caroline Street
Milford, Connecticut 06460

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

Date: 10/03/2014

Project Number: 1060
Drawn By: J.V.L.

Sheet Number:
T1