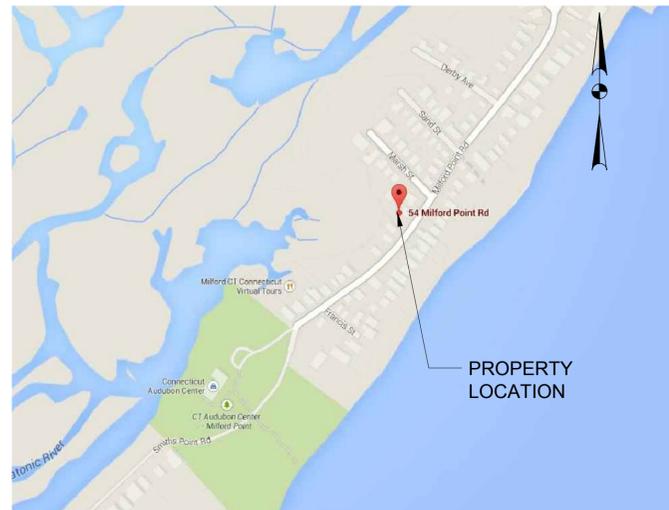


**THE STATE OF CONNECTICUT
DEPARTMENT OF HOUSING (DOH)
COMMUNITY DEVELOPMENT BLOCK GRANT-DISASTER RECOVERY PROGRAM
(CDBG-DR)**

OWNER-OCCUPIED REHABILITATION AND REBUILDING PROGRAM (OORR)

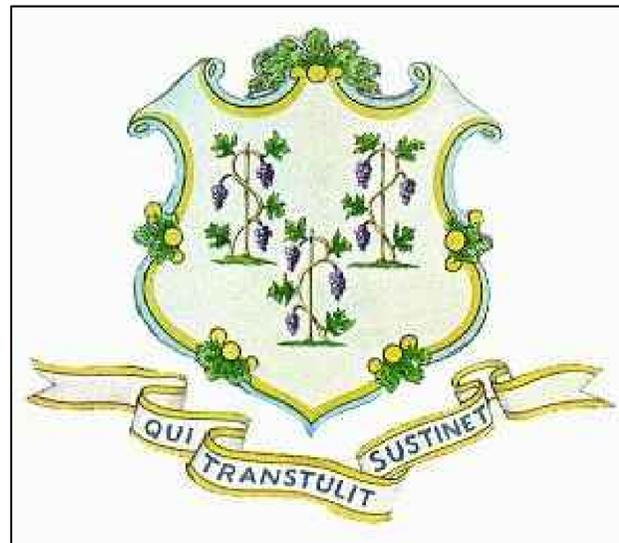


PROJECT LOCATION MAP
NTS

**STORM SANDY RELIEF
GOVERNOR DANIEL P. MALLOY**

**APPLICATION NO. 1383
54 MILFORD POINT ROAD
MILFORD, CT 06460**

8/27/2014



SHEET NO.	DRAWING INDEX DRAWING TITLE
G-100	COVER SHEET
ST-100	SITE AND DEMOLITION PLAN, EROSION CONTROLS
C-101	TEST BORINGS
S-100	NEW FOUNDATION, & FIRST FLOOR FRAMING
S-101	2ND FL. FRAMING, ROOF FRAMING
S-102	DETAILS, SECTIONS & GENERAL NOTES
A-001	GENERAL NOTES, DEMOLITION NOTES, ABBREVIATIONS, SYMBOL LEGEND
D-100	DEMOLITION, FOUNDATION, & ELEVATIONS
D-101	DEMOLITION PLAN 1ST FLOOR AND 2ND FLOOR
A-100	FIRST FLOOR PLAN
A-101	SECOND FLOOR PLAN, WALL SECTION AA
A-200	SOUTH ELEVATION, WEST ELEVATION
A-201	NORTH ELEVATION, EAST ELEVATION
A-500	DOOR AND WINDOW DETAILS
MP-001	MECHANICAL & PLUMBING NOTES, LEGENDS, ABBREVIATIONS, & DETAILS
MPD-100	MECHANICAL & PLUMBING DEMOLITION PLAN
MP-100	MECHANICAL & PLUMBING GROUND FLOOR PLAN
MP-101	MECHANICAL & PLUMBING FIRST, & SECOND FLOOR PLANS
MP-300	MECHANICAL & PLUMBING SCHEDULES
MP-301	MECHANICAL & PLUMBING DETAILS
E-001	ELECTRICAL NOTES, LEGENDS, ABBREVIATIONS, DETAILS, & SCHEDULES
E-100	ELECTRICAL GROUND, & FIRST FLOOR PLANS
E-101	ELECTRICAL SECOND FLOOR PLAN

NOTES:

REVISIONS

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203 239 4200 203 234 7376 FAX

RoCer ToLin
Architect

115 Elm St. Suite 200, Stamford, CT 06904
203 386-8100
Boiler Architect

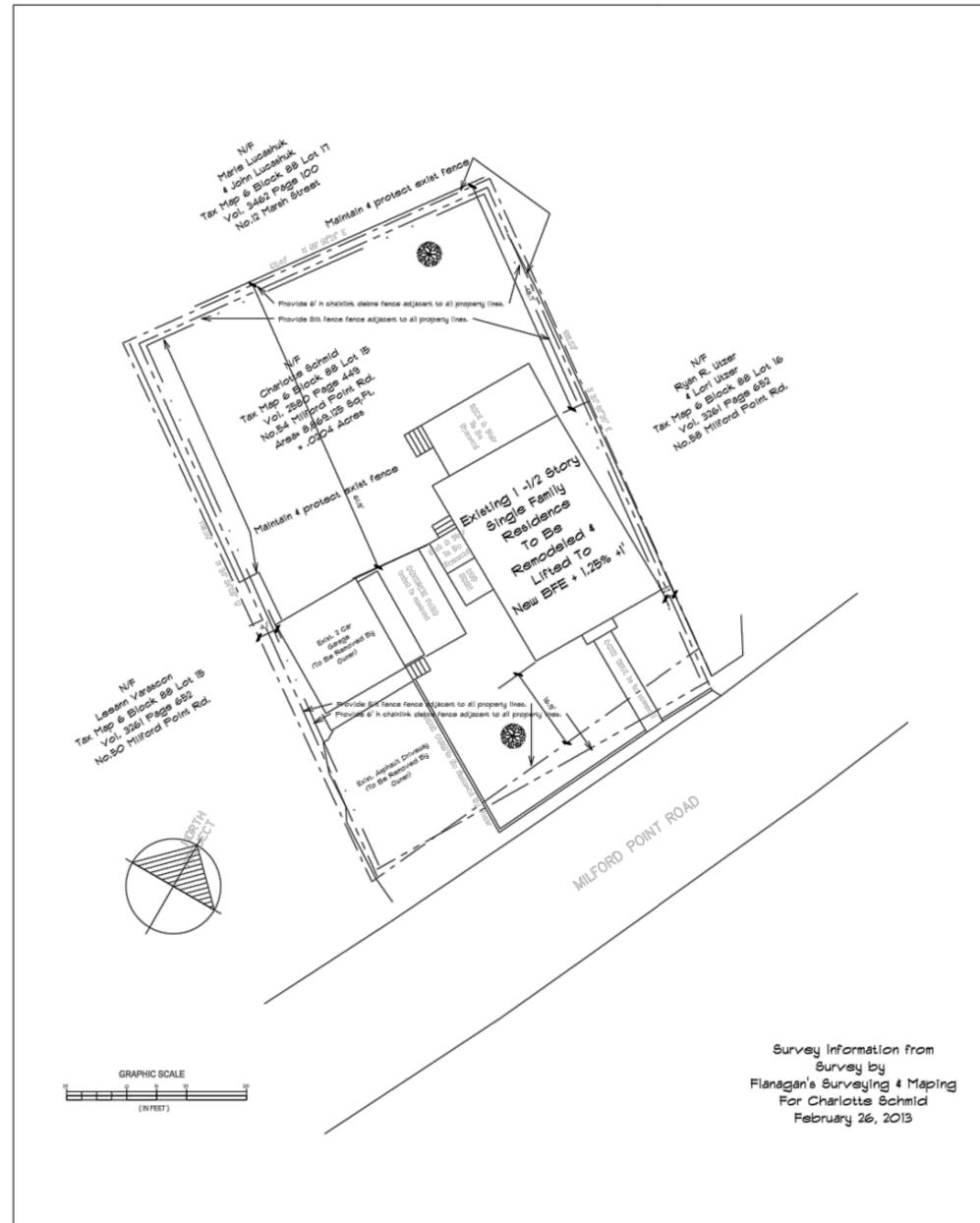
Cmars Engineering, LLC
STRUCTURES FOUNDATIONS INVESTIGATIONS
58 Orchard Hill Road, Branford, CT 06405
Tel 203-483-8789 Fax 203-483-8285

OORR
APPLICATION NO. 1383
SCHMID RESIDENCE
54 MILFORD POINT RD.
MILFORD, CT

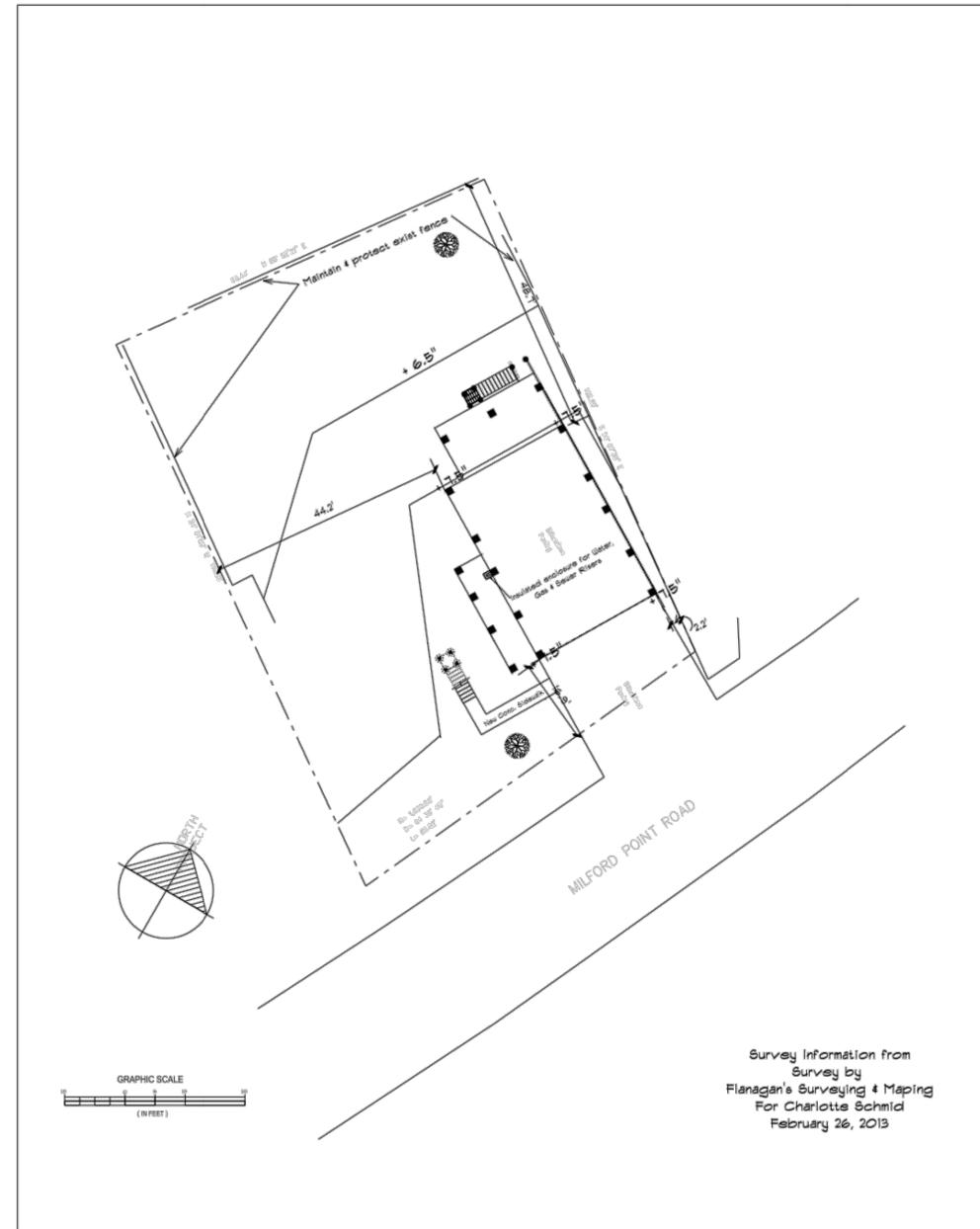
COVER SHEET

DTC PROJECT NUMBER: 13-449-010	
DTC DRAWING FILE:	
SCALE: NA	DRAWN BY:
DATE: 9/1/2014	CHECKED BY:

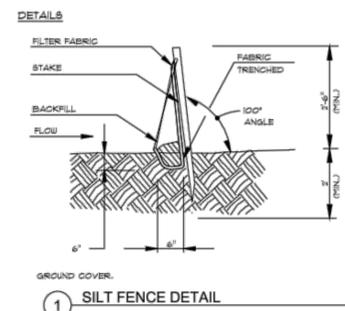
SHEET:
G-100



Site Plan Demo & Erosion Control



Site Plan New Construction



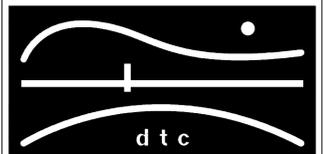
- A. MINIMUM LENGTH OF SILT FENCE IS 15 FT.
- B. MAXIMUM POST SPACING IS 8 FT.
- C. JOINTS ONLY AT SUPPORT POST WITH MINIMUM 2 FT. OVERLAP, SECURELY SEALED.
- D. SEDIMENTATION DEPOSITS SHALL BE REMOVED WHEN THEY REACH 1/2 THE HEIGHT OF THE SILT FENCE.
- E. SILT FENCE SHALL NOT BE USED IN A WATER COURSE.
- F. UPON ESTABLISHMENT OF GROUND COVER ON DISTURBED AREAS, AND WHEN DIRECTED BY THE ENGINEER, FENCE SHALL BE REMOVED AND ANY SEDIMENTATION SHALL BE THINLY SPREAD UPON EXISTING

Zoning:

Lot Area	8,859 sq.ft.	
Building Area	1,586 sq.ft.	Allowed 3543 sq.ft 40%
Deck Area	706.0 sq.ft.	
Drive	476.0 sq.ft.	
Lot Coverage	2768 sq.ft.	Allowed 5758 sq.ft 65%

NOTES:

REVISIONS



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OORR
APPLICATION NO. 1383
SCHMID RESIDENCE
54 MILFORD POINT RD
MILFORD, CT

SITE &
DEMOLITION PLAN
EROSION CONTROLS

DTC PROJECT NUMBER: 13-449-028

DTC DRAWING FILE:

SCALE: AS NOTED

DRAWN BY:

DATE: 9/1/2014

CHECKED BY:

SHEET:

ST-100

HARDIMAN CO. & ASSOC., INC. 10 Fox Hunt Road Shelton, CT 06484		CLIENT: CHARLOTTE SCHMID		SHEET 1 OF 2									
CONTRACTOR		PROJECT NO. S-297		HOLE NO. B-1									
FOREMAN-DRILLER TH III		PROJECT NAME EXISTING HOUSE		STATION									
INSPECTOR		LOCATION 54 MILFORD POINT RD, MILFORD, CT.		OFFSET									
GROUND WATER OBSERVATIONS		Casing EJ 3"		Sampler SS 1.38"									
AT 5.0 FT. AFTER 0 HOURS		Type Size I.D. Hammer Wt. Hammer Fall		Core Bar 30"									
AT 5.0 FT. AFTER 0 HOURS		Date Start 5/28/13 Date Fin 5/28/13		Surface Elev. Existing Ground									
		Ground Water Elev. - 5.0'											
Depth Feet	Casing Blows per Foot	Sample				Blows Per Foot on Sampler (Force on Tube)				Strata Change Depth	Field Identification of Soil, Remarks Incl. Color, Loss of Wash Water, Seams in Rock, Etc.		
		No.	Type	Pen.	Rec.	0-6	6-12	12-18	18-24				
		1	ss	2.0	0.5	2.0	1	1	1	1	0.3	Topsoil Brown silt & fine sand.	
											3.0	Brown f/c sand, some gravel.	
5		2	ss	2.0	1.0	7.0	3	2	5	6			
10		3	ss	2.0	0.0	12.0	7	8	8	8	13.0	(Soft - possible organic silt & sand, no recovery)	
15		4	ss	2.0	0.0	17.0	4	1	1	1			
20		5	ss	2.0	1.5	22.0	1	0	1	0		Gray organic silt, some sand, trace shells.	
25		6	ss	2.0	1.5	27.0	1	0	2	3	25.0	Gray fine sand & organic silt, trace shells.	
30		7	ss	2.0	1.5	32.0	1	0	2	3	34.0	Gray f/m sand & gravel, some silt (organic odor)	
35		8	ss	0.9	0.9	35.9	16	100			35.5 35.9	Gray f/m sand & weathered rock E.O.B. Spoon Refusal Ground water may be tidal.	
Ground Surface To		Used		Casing		Then		Casing		To		Feet	
D = Dry		W = Washed		C = CoreDP = Pit		A = Auger		UP = Undisturbed Piston				HOLE 1	
Proportions Used:		Trace = 0-10%, little = 10-20%, Some = 20-35%, and = 35-5%											

HARDIMAN CO. & ASSOC., INC. 10 Fox Hunt Road Shelton, CT 06484		CLIENT: CHARLOTTE SCHMID		SHEET 2 OF 2									
CONTRACTOR		PROJECT NO. S-297		HOLE NO. B-2									
FOREMAN-DRILLER TH III		PROJECT NAME EXISTING HOUSE		STATION									
INSPECTOR		LOCATION 54 MILFORD POINT RD, MILFORD, CT.		OFFSET									
GROUND WATER OBSERVATIONS		Casing EJ 3"		Sampler SS 1.38"									
AT 5.0 FT. AFTER 0 HOURS		Type Size I.D. Hammer Wt. Hammer Fall		Core Bar 30"									
AT 5.0 FT. AFTER 0 HOURS		Date Start 5/28/13 Date Fin 5/28/13		Surface Elev. Existing Ground									
		Ground Water Elev. - 5.0'											
Depth Feet	Casing Blows per Foot	Sample				Blows Per Foot on Sampler (Force on Tube)				Strata Change Depth	Field Identification of Soil, Remarks Incl. Color, Loss of Wash Water, Seams in Rock, Etc.		
		No.	Type	Pen.	Rec.	0-6	6-12	12-18	18-24				
		8	ss	2.0	1.5	42.0	3	4	3	6	44.0	Gray f/m sand, some shells, little silt.	
45												E.O.B. Casing Refusal (Ground water may be tidal)	
50													
Ground Surface To		Used		Casing		Then		Casing		To		Feet	
D = Dry		W = Washed		C = CoreDP = Pit		A = Auger		UP = Undisturbed Piston				HOLE NO. B-2	
Proportions Used:		Trace = 0-10%, little = 10-20%, Some = 20-35%, and = 35-5%											

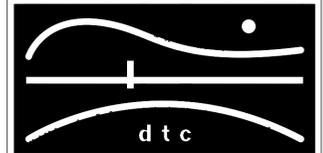
B-2
#54
B-1
M.T.S. Milford Point Rd

HARDIMAN CO. & ASSOC., INC. 10 Fox Hunt Road Shelton, CT 06484		CLIENT: CHARLOTTE SCHMID		SHEET 1 OF 2									
CONTRACTOR		PROJECT NO. S-297		HOLE NO. B-2									
FOREMAN-DRILLER TH III		PROJECT NAME EXISTING HOUSE		STATION									
INSPECTOR		LOCATION 54 MILFORD POINT RD, MILFORD, CT.		OFFSET									
GROUND WATER OBSERVATIONS		Casing EJ 3"		Sampler SS 1.38"									
AT 5.0 FT. AFTER 0 HOURS		Type Size I.D. Hammer Wt. Hammer Fall		Core Bar 30"									
AT 5.0 FT. AFTER 0 HOURS		Date Start 5/28/13 Date Fin 5/28/13		Surface Elev. Existing Ground									
		Ground Water Elev. - 5.0'											
Depth Feet	Casing Blows per Foot	Sample				Blows Per Foot on Sampler (Force on Tube)				Strata Change Depth	Field Identification of Soil, Remarks Incl. Color, Loss of Wash Water, Seams in Rock, Etc.		
		No.	Type	Pen.	Rec.	0-6	6-12	12-18	18-24				
		1	ss	2.0	1.5	7.0	6	5	4	4		Brown f/c sand, some gravel.	
5		2	ss	2.0	1.5	12.0	4	5	4	4			
10		3	ss	2.0	1.5	17.0	1	0	3	2	16.0	Brown f/c sand, gravel & shells.	
15		4	ss	2.0	1.5	22.0	2	1	1	1		Gray organic silt, some fine sand, trace shells.	
20		5	ss	2.0	1.5	27.0	1	1	1	1			
25		6	ss	2.0	1.5	32.0	1	0	1	0			
30		7	ss	2.0	1.5	37.0	1	0	1	3	37.0	Gray f/m sand, some shells, little silt.	
Ground Surface To		Used		Casing		Then		Casing		To		Feet	
D = Dry		W = Washed		C = CoreDP = Pit		A = Auger		UP = Undisturbed Piston				HOLE NO. B-2	
Proportions Used:		Trace = 0-10%, little = 10-20%, Some = 20-35%, and = 35-5%											

HARDIMAN CO. & ASSOC., INC. 10 Fox Hunt Road Shelton, CT 06484		CLIENT: CHARLOTTE SCHMID		SHEET 2 OF 2									
CONTRACTOR		PROJECT NO. S-297		HOLE NO. B-2									
FOREMAN-DRILLER TH III		PROJECT NAME EXISTING HOUSE		STATION									
INSPECTOR		LOCATION 54 MILFORD POINT RD, MILFORD, CT.		OFFSET									
GROUND WATER OBSERVATIONS		Casing EJ 3"		Sampler SS 1.38"									
AT 5.0 FT. AFTER 0 HOURS		Type Size I.D. Hammer Wt. Hammer Fall		Core Bar 30"									
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Depth Feet	Casing Blows per Foot	Sample				Blows Per Foot on Sampler (Force on Tube)				Strata Change Depth	Field Identification of Soil, Remarks Incl. Color, Loss of Wash Water, Seams in Rock, Etc.		
		No.	Type	Pen.	Rec.	0-6	6-12	12-18	18-24				
		1	ss	2.0	1.5	7.0	6	5	4	4		Brown f/c sand, some gravel.	
5		2	ss	2.0	1.5	12.0	4	5	4	4			
10		3	ss	2.0	1.5	17.0	1	0	3	2	16.0	Brown f/c sand, gravel & shells.	
15		4	ss	2.0	1.5	22.0	2	1	1	1		Gray organic silt, some fine sand, trace shells.	
20		5	ss	2.0	1.5	27.0	1	1	1	1			
25		6	ss	2.0	1.5	32.0	1	0	1	0			
30		7	ss	2.0	1.5	37.0	1	0	1	3	37.0	Gray f/m sand, some shells, little silt.	
Ground Surface To		Used		Casing		Then		Casing		To		Feet	
D = Dry		W = Washed		C = CoreDP = Pit		A = Auger		UP = Undisturbed Piston				HOLE NO. B-2	
Proportions Used:		Trace = 0-10%, little = 10-20%, Some = 20-35%, and = 35-5%											

NOTES:

REVISIONS



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OORR
APPLICATION NO. 1383
SCHMID RESIDENCE
54 MILFORD POINT RD
MILFORD, CT

Test Borings

DTC PROJECT NUMBER: 13-449-028

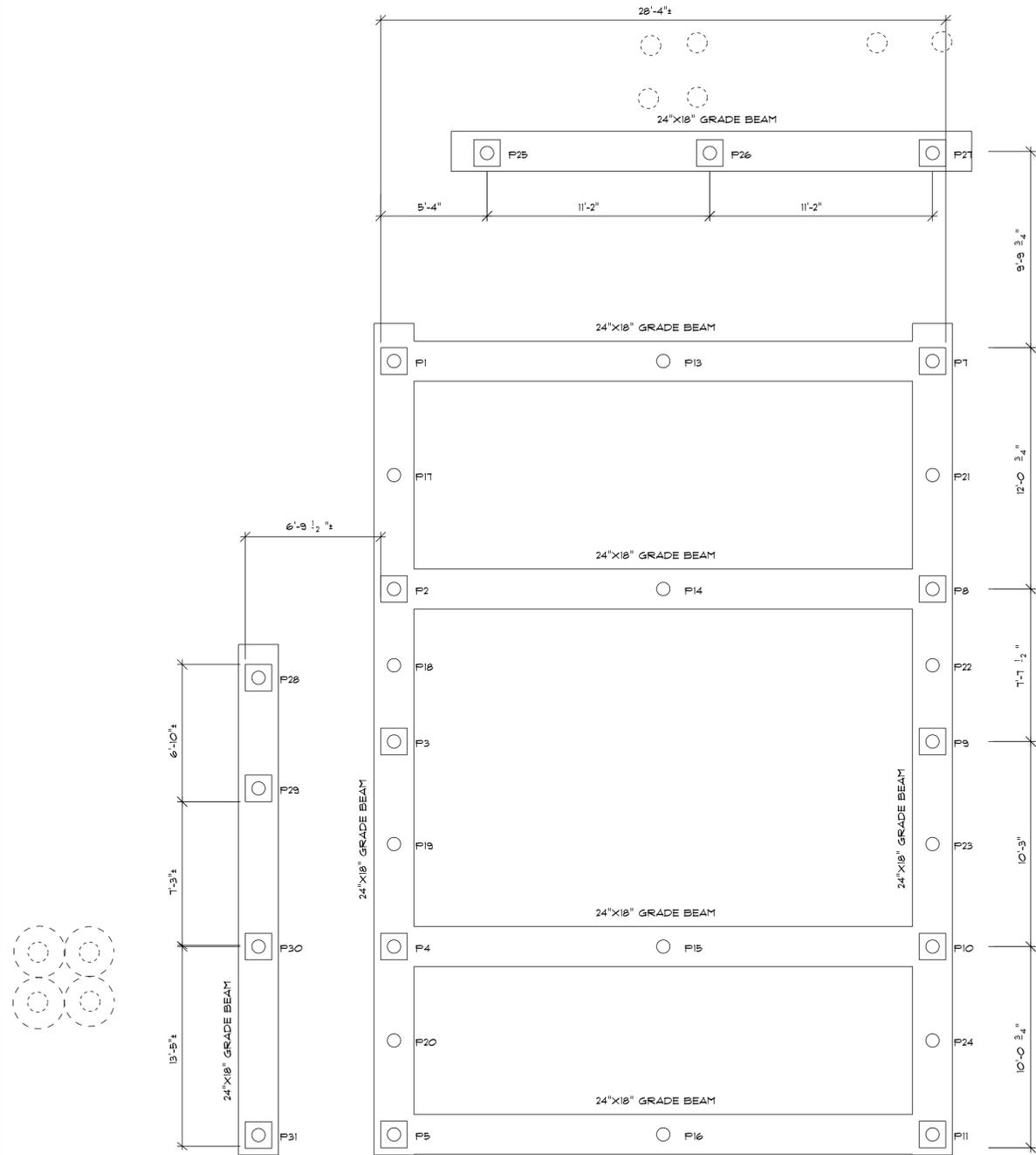
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DATE: 9/1/2014 CHECKED BY:

SHEET:

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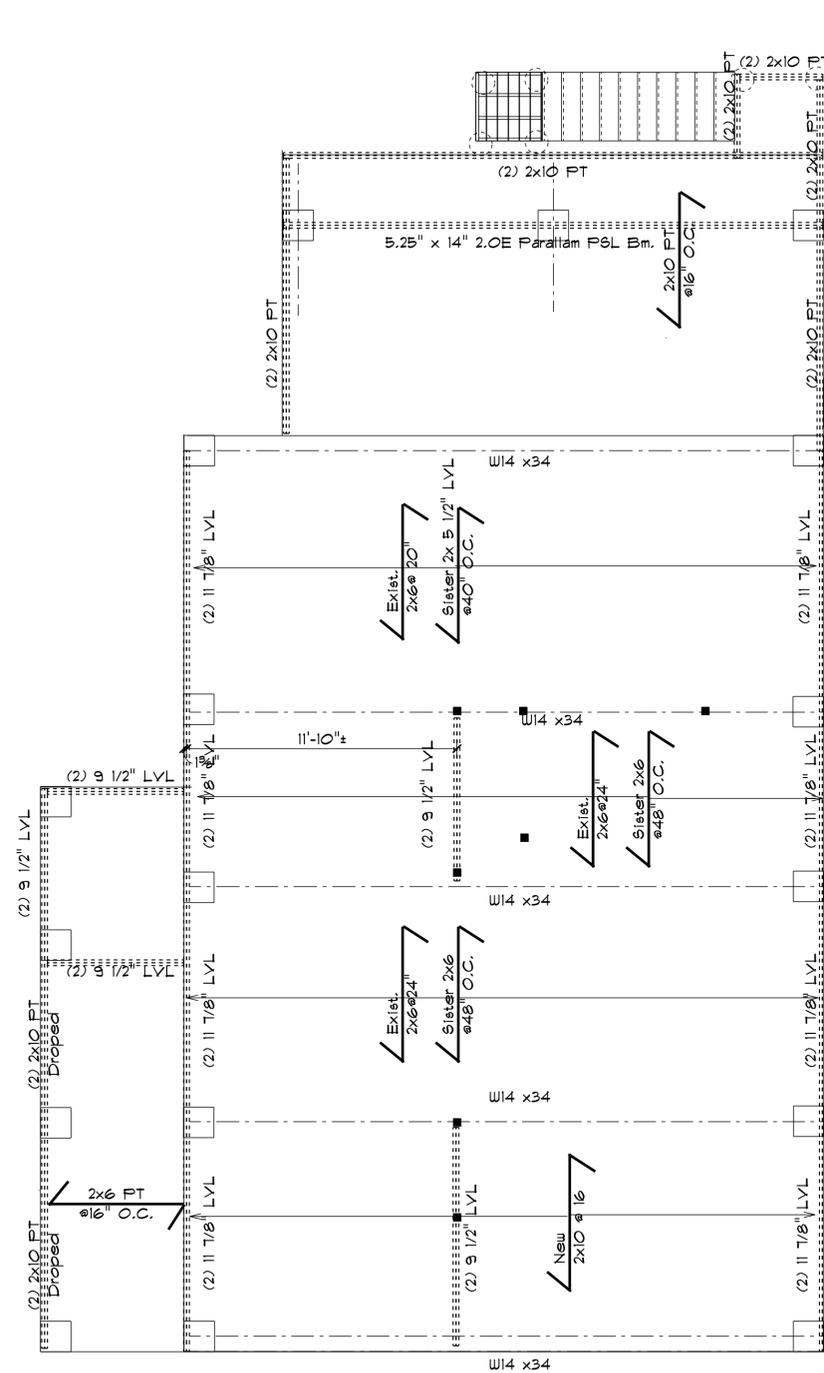
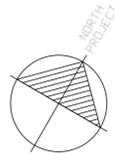
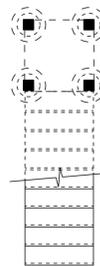


Foundation

1/4" = 1'-0"

FOUNDATION NOTES:

1. THE FOUNDATION DIMENSIONS MUST BE COORDINATED WITH THE EXISTING HOUSE STRUCTURE. VERIFY THE OVERALL DIMENSIONS, ELEVATIONS AND THE ALIGNMENT OF THE HOUSE PRIOR TO FORMING THE FOOTINGS AND PIERS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS.
2. REFER TO ARCHITECTURAL DRAWINGS FOR PORCH AND STAIR PLANS AND DETAILS, TYP.
3. IF GROUNDWATER IS ENCOUNTERED IN THE EXCAVATION PUMP OUT AND DISCHARGE LEGALLY. PLACE A CRUSHED STONE LAYER BELOW THE BOTTOM OF THE FOOTINGS TO PROVIDE STABLE DRY SUBSTRATE TO PLACE THE FOOTINGS.
4. PRIOR TO ESTABLISHING THE FINAL TOP OF PIER ELEVATIONS, COORDINATE WITH THE EXISTING AND NEW FIRST FLOOR FRAMING CONDITIONS.
5. CJ DENOTES SLAB CONSTRUCTION OR CONTROL JOINT. SEE TYPICAL DETAILS.
6. II DENOTES PIER NUMBER FOR REFERENCE.



First Floor Framing

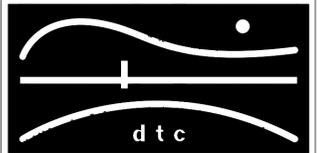
1/4" = 1'-0"

FIRST FLOOR FRAMING NOTES:

1. THE EXISTING FIRST FLOOR FRAMING CONDITIONS (SIZES, SUPPORT CONDITIONS, ELEVATIONS, ETC.) MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO SETTING TOP OF PIER ELEVATIONS AND INSTALLING NEW FRAMING. NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES THAT WILL PREVENT THE EXECUTION OF THE PLAN.
2. DUE TO THE VARYING EXISTING FLOOR ELEVATIONS AND AND FRAMING CONDITIONS SHIMMING BETWEEN THE EXISTING FRAMING AND NEW BEAMS AND/OR BETWEEN THE PIERS AND NEW BEAMS WILL BE REQUIRED. ALL SHIMS IN CONTACT WITH CONCRETE ARE TO BE PRESERVATIVE TREATED WOOD.
3. DETAILS ARE APPLICABLE TO SIMILAR CONDITIONS WHETHER CALLED OUT OR NOT. ALL NEW AND EXISTING BEAMS MUST BE ANCHORED TO THE NEW PIERS AND ALL NEW FRAMING MEMBERS ARE TO BE FASTENED TO THE EXISTING FRAMING. REFER TO SECTIONS AND DETAILS.

NOTES:

REVISIONS



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OOR
APPLICATION NO. 1383
SCHMID RESIDENCE
54 MILFORD POINT RD
MILFORD, CT

New Foundation
First Floor Framing

DTC PROJECT NUMBER: 13-449-028

DTC DRAWING FILE:

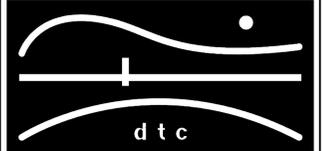
SCALE:	DRAWN BY:
DATE: 9/1/2014	CHECKED BY:

SHEET:

S-100

NOTES:

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OORR
APPLICATION NO. 1383
SCHIMID RESIDENCE
54 MILFORD POINT RD
MILFORD, CT

DETAILS, SECTIONS &
GENERAL NOTES

DTC PROJECT NUMBER: 13-449-028

DTC DRAWING FILE:

SCALE: AS NOTED DRAWN BY: CMM

DATE: 9/1/2014 CHECKED BY: CM

SHEET:

S-102

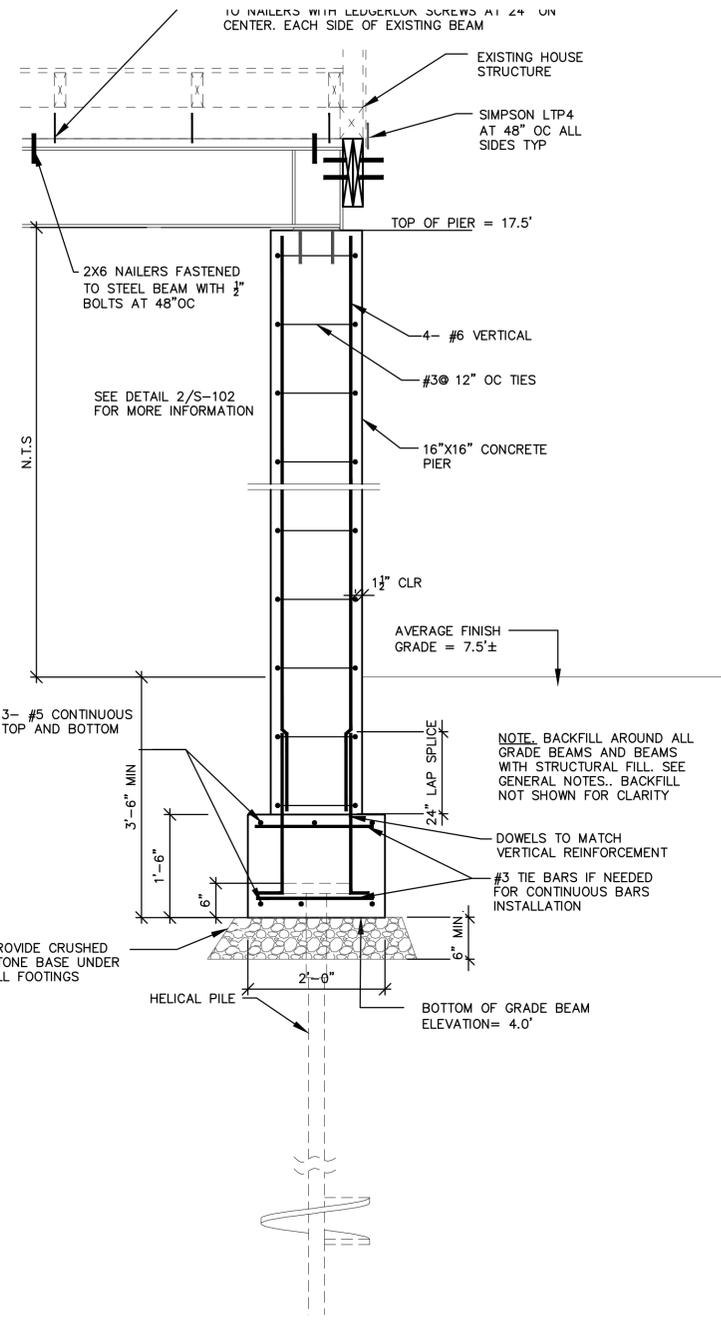
DESIGN BASIS

- A. ALL WORK SHALL CONFORM TO THE STATE BUILDING CODE, 2013 AMENDMENT TO THE 2005 CONNECTICUT SUPPLEMENT.
- B. THE INTENT OF THE STRUCTURAL DRAWINGS IS ONLY TO DEPICT THE REQUIREMENTS OF A NEW FOUNDATION FOR THE EXISTING STRUCTURE AND NEW DECKS. NEW SUPPORT BEAMS ADDED TO SUPPORT THE EXISTING STRUCTURE.
- C. NEW STRUCTURAL WORK COMPLIES WITH THE CURRENT BUILDING CODE BUT THE ENTIRE EXISTING HOUSE STRUCTURE IS NOT BEING RETRO-FITTED TO COMPLY WITH THE CURRENT CODE REQUIREMENTS.
- D. SOIL BORINGS DATED 5/28/2013 BY HARDIMAN COMPANY & ASSOCIATES, INC.
- E. WIND LOADS: BASIC WIND SPEED 3 SECOND GUST 100 MPH EXPOSURE CATEGORY: C
- F. THE FOUNDATION HAS BEEN DESIGNED TO COMPLY WITH THE FLOOD ZONE REGULATIONS WITH A VE-13 DESIGNATION. BASE FLOOD ELEVATION 13.0' (NAVD 88). DESIGN FLOOD ELEVATION =16.25' + 1' FREEBOARD. BOTTOM OF THE LOWEST HORIZONTAL MEMBER SHALL BE AT ELEVATION 17.25' OR HIGHER. REFER TO THE DETAILS
- G. LIVE LOAD: NEW DECKS HAVE BEEN DESIGNED FOR A 40 PSF
- H. SNOW LOAD: NEW ROOF HAS BEEN DESIGNED FOR 30 PSF SNOW.

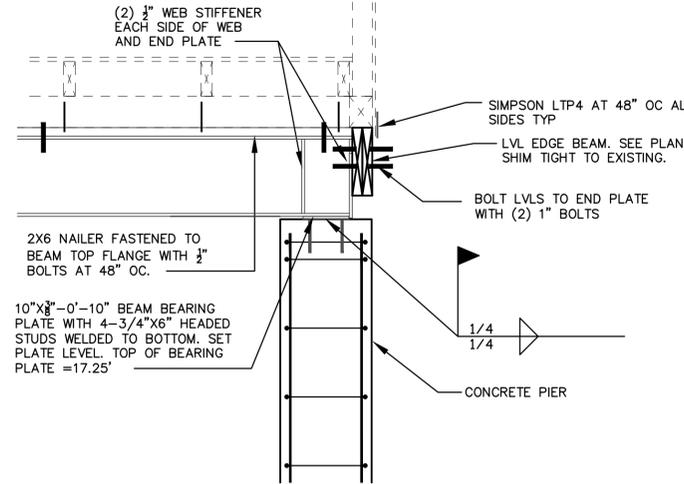
GENERAL NOTES

1. THE CONTRACTOR MUST VERIFY ALL EXISTING CONSTRUCTION DIMENSIONS AND ELEVATIONS PRIOR TO CONSTRUCTING THE FOUNDATION.
2. IF GROUNDWATER IS ENCOUNTERED IN THE EXCAVATION, PUMP AND DISCHARGE LEGALLY. SEE SPECIFICATIONS.
3. NEW CONCRETE SHALL HAVE THE FOLLOWING 28 DAY COMPRESSIVE STRENGTHS:
FOOTINGS: 3000 PSI
GRADE BEAMS: 4000 PSI
PIERS: 4000 PSI
SLABS ON GRADE: 3500 PSI
4. STEEL REINFORCEMENT BARS: ASTM A615 GRADE 60
5. CONCRETE COLUMNS SURFACES EXPOSED TO VIEW SHALL BE SMOOTH RUBBED FINISH.
6. BOTTOMS OF ALL FOOTINGS AND GRADE BEAMS SHALL BE A MINIMUM OF 3'-6" BELOW FINISH GRADE.
7. FOUNDATION SHALL BEAR HELICAL PILES WITH THE ALLOWABLE CAPACITY AS INDICATED ON THE FOUNDATION PLAN. THE ULTIMATE CAPACITY OF THE PILES SHALL BE THE ALLOWABLE X 2.
8. REFER TO THE FOUNDATION PLAN FOR HELICAL PILE DESIGNATIONS. THE MINIMUM ALLOWABLE PILE CAPACITIES ARE:
8.1. P1 THROUGH P12- 18 TONS
8.2. P13 THROUGH P16- 8 TONS
8.3. P17 THROUGH P24- 5 TONS
8.4. P25 THROUGH P31- 10 TONS
9. HELICAL PILE DESIGN AND INSTALLATION MUST COMPLY WITH THESE NOTES AND THE HELICAL PILE SPECIFICATIONS. IN THE EVENT THAT THERE IS A CONFLICT BETWEEN THE NOTES AND THE SPECIFICATION, THE SPECIFICATION WILL GOVERN.
10. THE HELICAL PILE CONTRACTOR SHALL HAVE A MINIMUM OF 5 YEARS EXPERIENCE IN THE DESIGN AND CONSTRUCTION OF HELICAL PILES. THE HELICAL PILE CONTRACTOR SHALL RETAIN THE SERVICES OF AN ENGINEER REGISTERED IN THE STATE OF CONNECTICUT TO DESIGN THE HELICAL PILES.
11. THE HELICAL PILE CONTRACTOR IS RESPONSIBLE FOR THE SELECTION AND MEANS OF CONSTRUCTION, METHODS, SEQUENCING AND VERIFYING ALL DIMENSIONS AND PILE LOCATIONS PRIOR TO CONSTRUCTION.
12. HELICAL PILES SHALL BE WITHIN 2" OF CENTER OF ANY OF THE CONCRETE PIERS.
13. THE EXISTING SOIL BORINGS INDICATED IN THE DESIGN BASIS ARE CONSIDERED TO BE REPRESENTATIVE OF THE SOILS THAT MAY BE ENCOUNTERED.
14. HELICAL PILES SHALL TERMINATE 6" ABOVE THE BOTTOM OF THE GRADE BEAMS AND SHALL HAVE A 6"x6" STEEL CAP.
15. ALL HELICAL PILE COMPONENTS SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A153/A123.
16. IN THE EVENT OF OVER EXCAVATION, FILL WITH LEAN CONCRETE OR 1/2" CRUSHED STONE PRIOR TO FORMING AND PLACING GRADE BEAMS. DO NOT THICKEN OR WIDEN ANY CONCRETE MEMBERS.
17. ANY NEW WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESERVATIVE TREATED. ANY EXISTING WOOD IN DIRECT CONTACT WITH CONCRETE SHALL BE ISOLATED FROM THE CONCRETE BY PRESERVATIVE TREATED WOOD.
18. ALL FASTENERS (SIZE AND NUMBER) FOR METAL CONNECTORS (I.E. JOIST HANGERS, STRAPS, ETC.) SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S LITERATURE.
19. ALL METAL CONNECTORS SHALL BE HOT DIPPED GALVANIZED TO THE MANUFACTURER'S MAXIMUM TREATMENT
20. STRUCTURAL AROUND THE GRADE BEAMS AND PIERS SHALL BE PLACED IN 12" LIFTS AND COMPACTED TO 95% OF THE MODIFIED PROCTOR (ASTM D1557). FILL SHALL MEET THE FOLLOWING GRADATION:

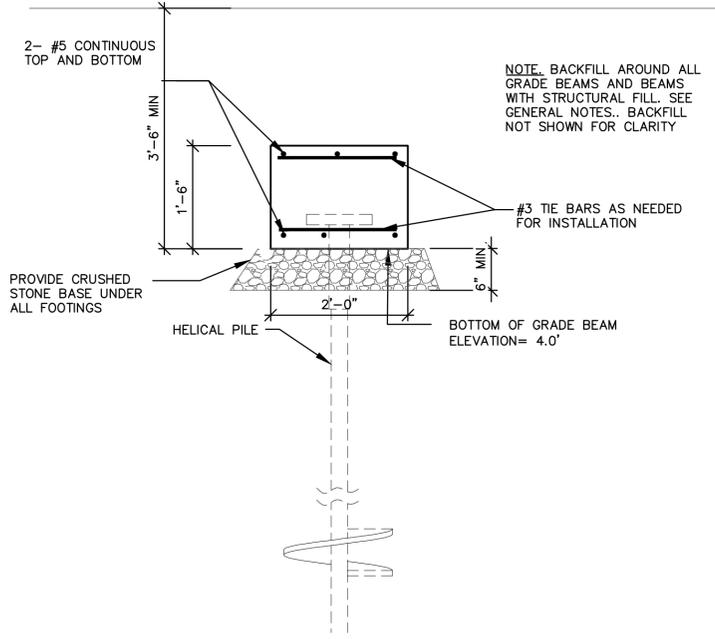
SIEVE SIZE	PERCENT PASSING
3.5	100%
3/4"	50 TO 100%
#4	25 TO 80%
#200	LESS THAN 15% OF #4
21. IN LIEU OF THE NOTE #12 ABOVE, STRUCTURAL FILL MAY BE 3/4" CRUSHED STONE.
22. LAMINATED VENEER LUMBER IS BASED Fb=2600 PSI, E= 2,000,000 PSI
23. SAWN LUMBER TO BE DOUGLAS FIR #2.
24. METAL CONNECTORS ARE BASED ON SIMPSON STRONG-TIE.
25. WHEREVER NEW BEAMS OR JOISTS FRAME INTO EXISTING OR NEW CONSTRUCTION PROVIDE TOP FLANGE OR FACE MOUNTED HANGERS COMPATIBLE WITH THE SIZE OF THE MEMBER BEING SUPPORTED. PROVIDE ALL BLOCKING AND NAILERS REQUIRED FOR A COMPLETE INSTALLATION.
26. PROVIDE (2) PT 2X10 LEDGERS FOR NEW DECK SUPPORTS. FASTEN TO NEW LVL'S OR STEEL BEAMS WITH 3/4" THROUGH BOLTS AT 16" OC.



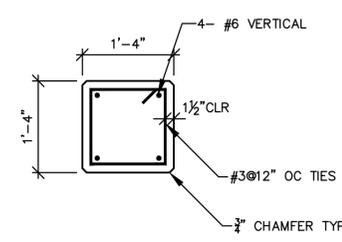
1 TYP SECTION Scale: 3/4"=1'-0"



2 TYP DETAIL Scale: 3/4"=1'-0"



3 TYP GRADE BEAM Scale: 3/4"=1'-0"



A TYP PIER PLAN Scale: 3/4"=1'-0"

ABBREVIATIONS

@	AT	I.D.	INSIDE DIAMETER
A.C.	AIR CONDITIONING	IN.	INCH
ACOUST.	ACOUSTIC(AL)	INCL.	INCLUDE/ INCLUDING
A.D.	AREA DRAIN	INFO.	INFORMATION
ADDTL.	ADDITIONAL	INS.	INSULATION
A.F.C.	ABOVE FINISHED CEILING	INT.	INTERIOR
A.F.F.	ABOVE FINISHED FLOOR		
A.I.A.	AMERICAN INSTITUTE OF ARCHITECTS	L.	LENGTH
A.I.E.E.	AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS	LAM.	LAMINATE
A.I.S.C.	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	LAV.	LAVATORY
AL.	ALUMINUM	LB.	POUND
ALT.	ALTERNATE	L.F.	LINEAL FOOT
APPR.	APPROXIMATELY	L.H.	LEFT HAND
APT.	APARTMENT	L.L.	LOT LINE
ARCH.	ARCHITECT	L.P.	LOW POINT
A.S.	ALUMINUM SADDLE	LT.	LIGHT
A.S.H.R.A.E.	AMERICAN SOCIETY OF HEATING, REFRIGERATION & AIR CONDITIONING ENGINEERS	MANUF.	MANUFACTURER
A.S.M.E.	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	MAT'L.	MATERIAL
A.S.T.M.	AMERICAN SOCIETY FOR TESTING MATERIALS	MAX.	MAXIMUM
A.W.G.	AMERICAN WIRE GAUGE	MECH.	MECHANICAL
		MED.	MEDIUM
		MIN.	MINIMUM
		MISC.	MISCELLANEOUS
		M.O.	MASONRY OPENING
		M.S.	MARBLE SADDLE
		MTL.	METAL
BD.	BOARD	N.	NORTH
BLDG.	BUILDING	NO.	NUMBER
BLK.	BLOCK	N.T.S.	NOT TO SCALE
BM.	BENCH MARK		
B.O.	BY OTHERS		
B.T.U.	BRITISH THERMAL UNIT	O.A.	OUTSIDE AIR
Ⓢ	CHANNEL	O.A.D.	OVERALL DIMENSION
CAB.	CABINET	O.C.	ON CENTER
C.B.	CONCRETE BLOCK	O.D.	OUTSIDE DIAMETER
C.H.	CEILING HEIGHT	OP'G.	OPENING
C.J.	CONTROL JOINT	P.C.F.	POUNDS PER CUBIC FOOT
CL.	CLOSET	PERF.	PERFORATED
CLG.	CENTERLINE	PERM.	PERMANENT
CLR.	CLEAR	PERP.	PERPENDICULAR
C.O.	CLEAN OUT	PH.	PHASE
COL.	COLUMN	P.L.	PROPERTY LINE
CONC.	CONCRETE	PL. LAM.	PLASTIC LAMINATE
CONN.	CONNECTION	PLMB'G.	PLUMBING
CONST.	CONSTRUCTION	PLYWD.	PLYWOOD
CONT.	CONTINUOUS	PNL.	PANEL
CONTR.	CONTRACTOR	POL.	POLISHED
CPT.	CARPET	P.S.F.	POUNDS PER SQUARE FOOT
CSK.	COUNTERSINK	P.S.I.	POUNDS PER SQUARE INCH
C.T.	CERAMIC TILE	PTN.	PARTITION
C.W.	COLD WATER	PT.	PAINT
		PTG.	PAINTING
		PR.	PAIR
D.	DEPTH	Q.T.	QUARRY TILE
DBL.	DOUBLE	QUAL.	QUALITY
DET.	DETAIL		
DIA.	DIAMETER	R.	RADIUS
DIAG.	DIAGONAL	R.D.	ROOF DRAIN
DIM.	DIMENSION	RECP.	RECEPTACLE
DIV.	DIVISION	RECV'D.	RECEIVED
D.L.	DEAD LOAD	REF.	REFRIGERATOR
DN.	DOWN	REINF.	REINFORCED/REINFORCEMENT
DR.	DOOR	REQ'D.	REQUIRED
D.S.	DOWNSPOUT	R.H.	RIGHT HAND
D.W.	DISHWASHER	RLG.	RAILING
DWG.	DRAWING	RM.	ROOM
		R.O.	ROUGH OPENING
E.J.	EXPANSION JOINT	S.	SINK
E.L.	EMERGENCY LIGHT	SAD.	SADDLE
ELEC.	ELECTRICAL	S.C.	SOLID CORE
ELEV.	ELEVATION	SCHED.	SCHEDULE
ENG..	ENGINEER	SECT.	SECTION
EQ.	EQUAL	SEPAR.	SEPARATE
EQUIP.	EQUIPMENT	S.F.	SQUARE FEET
EWH.	ELECTRICAL WALL HEATER	SIM.	SIMILAR
EXT.	EXTERIOR	SPEC.	SPECIFICATION
EXSTG.	EXISTING	SQ.	SQUARE
F.D.	FLOOR DRAIN	SRV.S.	SERVICE SINK
F.E.	FIRE EXTINGUISHER	S/S.	STAINLESS STEEL
F.H.C.	FIRE HOSE CABINET	STD.	STANDARD
F.H.R.	FIRE HOSE RACK	STL.	STEEL
FIN.	FINISH(ES)	STRUC.	STRUCTURAL
FIXT.	FIXTURE	T.	TREAD(S)
FL.	FLASHING	TEL.	TELEPHONE
FLR.	FLOOR	THK.	THICK/ THICKNESS
F.P.	FIREPROOF	T.O.C.	TOP OF CONCRETE
FT.	FOOT	TYP.	TYPICAL
FTG.	FOOTING	U.O.N.	UNLESS OTHERWISE NOTED
		UNDERSIDE	
GA.	GAUGE	V.C.T.	VINYL COMPOSITION TILE
GAL.	GALLON	VERT.	VERTICAL
GALV.	GALVANIZED	VEST.	VESTIBULE
G.C.	GENERAL CONTRACTOR	V.I.F.	VERIFY IN FIELD
GL.	GLASS TYPE	VOL.	VOLUME
GYP. BD.	GYP-SUM BOARD	W.	WIDTH
H.B.	HOSE BIB	W/.	WITH
HDW.	HARDWARE	W.C.	WATER CLOSET
H.M.	HOLLOW METAL	WD.	WOOD
HOR.	HORIZONTAL	W/O.	WITHOUT
H.P.	HIGH POINT	W.P.	WATERPROOFING
HR.	HOUR	W.S.	WOOD SADDLE
HT.	HEIGHT	WT.	WEIGHT
HTG.	HEATING	W.W.M.	WELOED WIRE MESH
H.W.	HOT WATER	YD.	YARD

GENERAL NOTES

- 1.0 SCOPE OF WORK
- 1.1 RAISE EXISTING 2 STORY HOUSE 1 ADDITIONAL STORY, ABOVE THE 500 YEAR FLOOD ELEVATION. ALSO INTERIOR REPAIRS TO STORM DAMAGED AREAS AND MINOR INTERIOR RENOVATION.
 - 1.2 THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LABOR, EQUIPMENT, MATERIALS AND THEIR SECURITY ON THE SITE.
 - 1.3 ALL WORK SHALL FULLY CONFORM WITH THE REQUIREMENTS OF THE BUILDING AND ELECTRICAL CODES OF THE STATE OF CONNECTICUT, O.S.H.A., ALL OTHER AUTHORITIES AND CODES HAVING JURISDICTION OVER THE WORK, AND THE BEST TRADE PRACTICES.
 - 1.4 THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS REQUIRED TO PERFORM THE WORK BEFORE COMMENCEMENT OF THE WORK. THE CONTRACTOR SHALL SECURE ALL CERTIFICATES OF INSPECTION AS REQUIRED BY ALL AUTHORITIES HAVING JURISDICTION OVER THE WORK AND SHALL DELIVER SAME TO OWNER. THE CONTRACTOR SHALL FILE REQUIRED CERTIFICATES OF INSURANCE WITH THE DEPARTMENT OF BUILDINGS.
 - 1.5 ALL USE TAX, SALES TAX AND ANY OTHER CHARGES RELATIVE TO THE CONSTRUCTION OF THE PROJECT AND PAYMENT OF SAME ARE THE RESPONSIBILITY OF THE CONTRACTOR. AT THE COMPLETION OF THE WORK, DELIVER TO THE OWNER ALL REQUIRED PERMITS, CERTIFICATES OF APPROVAL, AND WARRANTIES CALLED FOR IN THIS SPECIFICATION.
 - 1.6 THE CONTRACTOR SHALL VISIT THE SITE AND AQUANT HIM OR HERSELF WITH ALL EXISTING CONDITIONS. FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY IN PERFORMANCE OF THE CONTRACT.
 - 1.7 ALL DIMENSIONS SHOWN ON THE DRAWINGS OR MENTIONED IN THE SPECIFICATIONS ARE DESIGN DIMENSIONS FOR PURPOSES OF PLANNING ONLY AND SHALL BE VERIFIED WITH THE CONTRACTOR'S MEASUREMENT OF ACTUAL DIMENSIONS IN THE FIELD.
 - 1.8 ALL REQUIREMENTS SPECIFIED IN THE STATE OF CONNECTICUT BUILDING CODE AND ALL OTHER APPLICABLE CODES SHALL BE ADHERED TO AS IF THEY WERE EXACTLY REPRESENTED ON THE DRAWINGS. THIS SHALL NOT BE CONSTRUED TO MEAN THAT ANY OF THE REQUIREMENTS SET FORTH IN THE DRAWINGS MAY BE MODIFIED BECAUSE THEY ARE MORE STRINGENT THAN THE CODE REQUIREMENTS OR ARE NOT SPECIFICALLY REQUIRED BY CODE.
 - 1.9 THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD PRIOR TO COMMENCING THE WORK, AND SHALL REPORT ANY DISCREPANCIES BETWEEN THE DRAWINGS AND FIELD CONDITIONS TO THE ARCHITECT IN A TIMELY MANNER.
 - 1.10 MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED, BUT NECESSARY FOR PROPER CONSTRUCTION OF THE WORK SHALL BE INCLUDED AS IF THEY WERE INDICATED IN THE DRAWINGS.
 - 1.11 THE CONTRACTOR SHALL COORDINATE ALL WORK PROCEDURES WITH REQUIREMENTS OF LOCAL AUTHORITIES.
 - 1.12 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL CONDITIONS AND MATERIALS WITHIN THE PROPOSED CONSTRUCTION AREA. THE CONTRACTOR SHALL DESIGN AND INSTALL ADEQUATE SHORING AND BRACING FOR ALL STRUCTURAL OR REMOVAL TASKS. THE CONTRACTOR SHALL HAVE SOLE RESPONSIBILITY FOR ANY DAMAGE OR INJURIES CAUSED BY OR DURING THE EXECUTION OF THE WORK.
 - 1.13 THE CONTRACTOR SHALL LAYOUT THEIR OWN WORK AND SHALL PROVIDE ALL DIMENSIONS REQUIRED FOR OTHER TRADES (PLUMBING, ELECTRICAL, ETC.)
 - 1.14 PLUMBING AND ELECTRICAL WORK SHALL BE PERFORMED BY PERSONS LICENSED IN THEIR TRADES, WHO SHALL ARRANGE FOR AND OBTAIN INSPECTIONS AND REQUIRED SIGN-OFFS.
 - 1.15 THE CONTRACTOR SHALL PERFORM ALL CUTTING, PATCHING AND REPAIRING AS REQUIRED TO PERFORM ALL THE WORK AS INDICATED ON THE DRAWINGS, AND ALL OTHER WORK THAT MAY BE REQUIRED TO COMPLETE THE JOB.
- 2.0 EXISTING CONDITIONS
- 2.1 AT THE APPEARANCE OF A DISCREPANCY OR CONFLICT BETWEEN THE INFORMATION INDICATED ON THE DRAWINGS AND THE CONDITIONS IN THE FIELD, OR A DISCREPANCY OR CONFLICT BETWEEN DRAWINGS, AND / OR DRAWINGS AND SPECIFICATIONS, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROMPTLY REPORT THE MATTER TO THE ARCHITECT FOR INTERPRETATION. THE ARCHITECT SHALL MAKE A TIMELY DETERMINATION TO CLARIFY ANY SUCH DISCREPANCY.
 - 2.2 ALL EXISTING MATERIALS AND EQUIPMENT TO REMAIN SHALL BE THOROUGHLY PROTECTED BY THE CONTRACTOR. ANY SUCH MATERIALS OR EQUIPMENT DAMAGED OR DESTROYED BY THE CONTRACTOR OR SUBCONTRACTORS DURING THE COURSE OF THE WORK SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.
- 3.0 DIMENSIONS AND LAYOUT
- 3.1 NECESSARY DIMENSIONS AND RELATIONSHIPS ARE INDICATED ON THE DRAWINGS AND SHALL BE STRICTLY COMPLIED WITH. DRAWINGS SHALL NOT BE SCALED. USE WRITTEN DIMENSIONS OR WRITTEN INDICATIONS OF RELATIONSHIP ONLY.

DEMOLITION NOTES

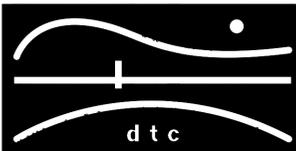
1. CONTRACTOR SHALL PERFORM ALL OPERATIONS AS DEMOLITION AND REMOVAL INDICATED ON THE DRAWINGS AND AS MAY BE REQUIRED BY THE WORK. ALL WORK SHALL BE DONE CAREFULLY AND NEATLY, IN A SYSTEMATIC MANNER.
2. THE CONTRACTOR SHALL FILE ALL NECESSARY CERTIFICATES OF INSURANCE WITH THE DEPARTMENT OF BUILDINGS, PAY ALL FEES, OBTAIN ALL PERMITS AND PROVIDE ANY AND ALL BONDS REQUIRED BY ANY CITY AGENCY IN ORDER TO DO THE WORK HEREIN DESCRIBED.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DEMOLITION AND CARTING AWAY FROM THE BUILDING SITE OF ALL MATERIALS THAT MUST BE REMOVED TO COMPLETE THE PROJECT, IN THE PROCESS OF CONSTRUCTION, DEMOLITION, AND CARTING OF MATERIALS, DEBRIS, AND EQUIPMENT IN AND OUT OF THE CONSTRUCTION SITE. CARE SHALL BE TAKEN TO PROTECT ALL EXISTING AREAS, BEAMS, PIPES, DUCTS, AND FINISHES THAT ARE NOT TO BE AFFECTED BY CONSTRUCTION OR DEMOLITION. SHOULD ANY OF THESE AREAS, BEAMS, PIPES, ETC. OF THE BUILDING BE DAMAGED, THEY SHALL BE REPAIRED OR REPLACED BY CONTRACTOR AT NO EXPENSE TO THE OWNER.
4. CONTRACTOR SHALL TAKE ADEQUATE PRECAUTIONS DURING THE COURSE OF THE DEMOLITION AND CONSTRUCTION TO MAINTAIN AND PROTECT INTERIOR EXISTING PARTITIONS, WALLS, CEILINGS, FLOORS, FIXTURES, ETC., TO REMAIN. THESE PRECAUTIONS SHALL INCLUDE BUT MAY NOT BE LIMITED TO ERECTION AND MAINTENANCE OF PROTECTIVE COVERINGS AND SHORING AND BRACING AS REQUIRED.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY INCIDENTAL DAMAGE TO EXISTING WORK.
6. ALL ADJOINING PROPERTY AFFECTED BY ANY OPERATIONS OF DEMOLITION SHALL BE PROTECTED.
7. CONTRACTOR SHALL REMOVE AND STORE ALL EXISTING FIXTURES, FITTINGS AND MATERIALS TO BE SALVAGED IN A DESIGNATED "CLEAN ROOM" WHICH SHALL BE LOCKED AT ALL TIMES AND KEPT CLEAN, DRY AND DUST FREE. EXISTING FIXTURES, FITTINGS, MATERIALS, ETC....., TO BE SALVAGED SHALL BE DETERMINED BY CLIENT AND ARCHITECT IN THE FIELD.
8. REMOVE DEMOLISHED MATERIALS FROM THE SITE IN A TIMELY MANNER. LEAVE SITE CLEAN AND FREE OF DANGEROUS CONDITIONS. NO DEBRIS SHALL BE ALLOWED TO ACCUMULATE ON THE SITE. DEBRIS SHALL BE REMOVED BY THE CONTRACTOR AS THE JOB PROCEEDS. THE SITE SHALL BE LEFT BROOM CLEAN AT THE COMPLETION OF DEMOLITION.
9. CONTRACTOR SHALL PERFORM ALL DEMOLITION REQUIRED FOR THE COMPLETION OF THE PROJECT. THE DRAWINGS SHOULD NOT BE CONSTRUED TO INDICATE FULL EXTENT OR PRECISE NATURE OF REQUIRED DEMOLITION. ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND AS DRAWN CONDITIONS SHALL BE REPORTED TO THE ARCHITECT PRIOR TO DEMOLITION.

DRAWING SYMBOLS LIST

- DOOR NUMBER
- WALL TYPE - REFER TO WALL TYPE LEGENDS ON A-100, A-101 & A-102
- REVISION NUMBER
- DATUM ELEVATION REFERENCE
- ALIGN
- SECTION/ ELEVATION DETAIL REFERENCE
- DETAIL REFERENCE
- ALTERNATE SCOPE OF WORK REFERENCE - REFER TO SPECIFICATION FOR DESCRIPTION OF SCOPE INCLUDED.

NOTES:

REVISIONS



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 Bob@rltarchitect.com

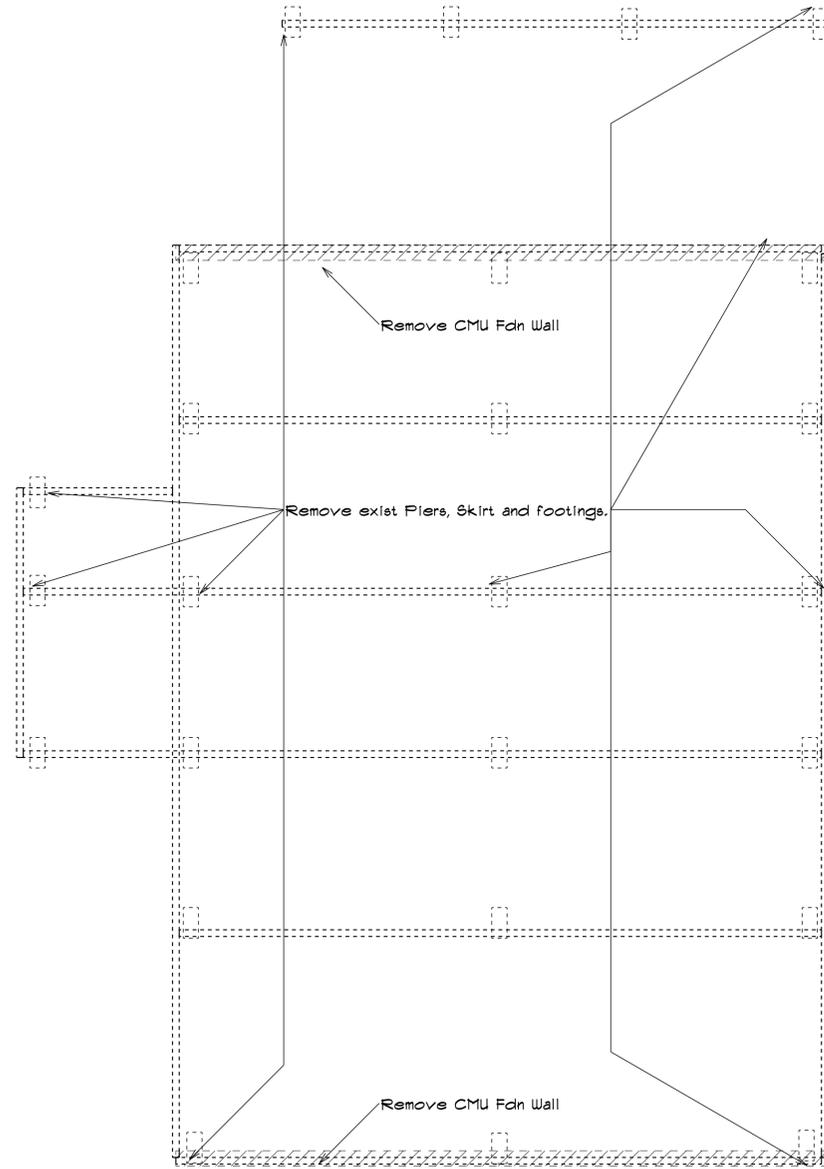
Cnars Engineering, LLC
 STRUCTURES FOUNDATIONS INVESTIGATIONS
 58 Orchard Hill Road, Branford, CT 06405
 Tel 203-483-8789 Fax 203-483-8285

OORR
 APPLICATION NO. 1383
 SCHMID RESIDENCE
 54 MILFORD POINT RD
 MILFORD, CT

General Notes
 Demolition Notes
 Abbreviations
 Symbol Legend

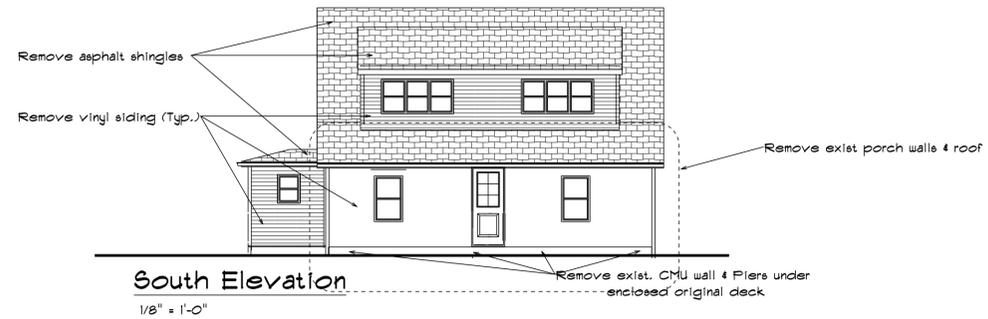
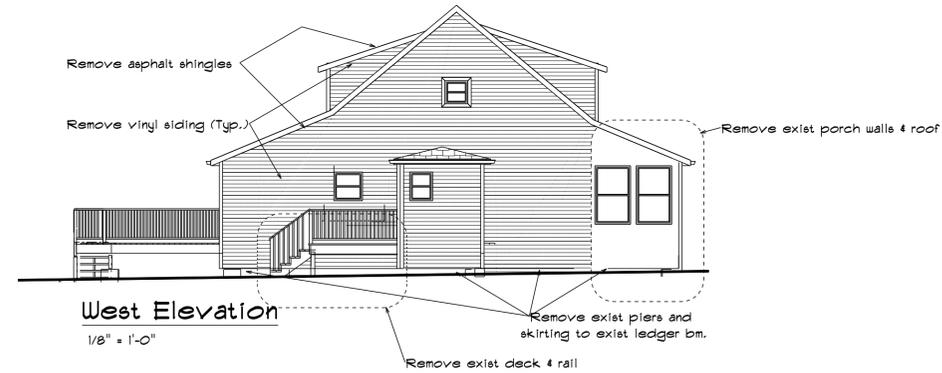
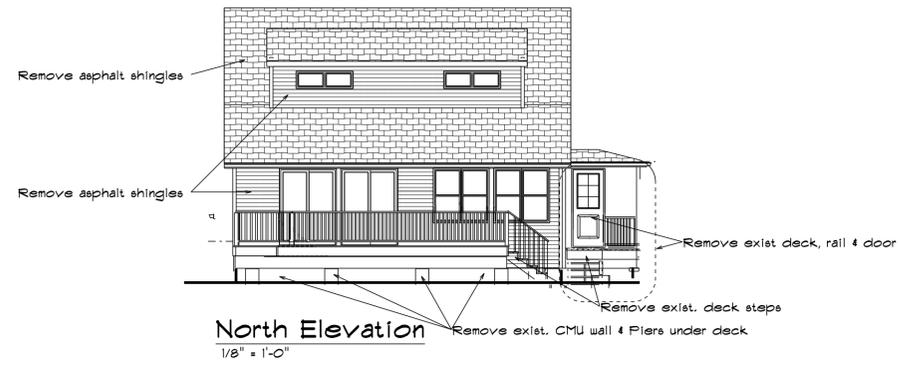
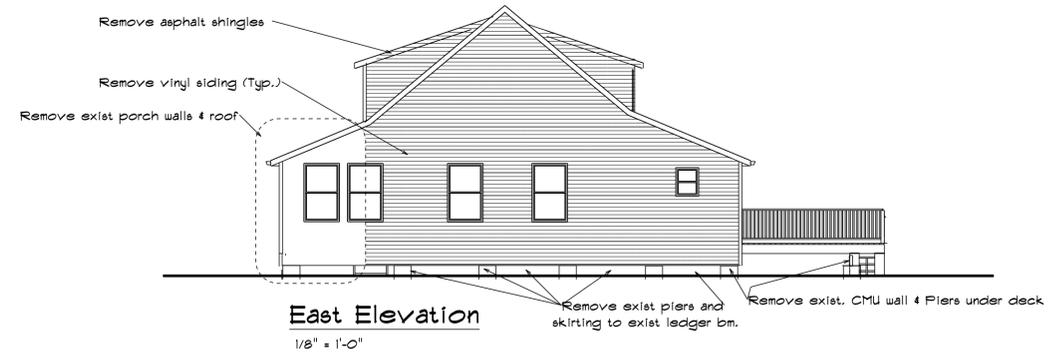
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DATE: 9/1/2014	CHECKED BY:
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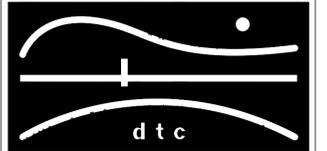
Existing Foundation

- FOUNDATION DEMOLITION NOTES:**
1. THE EXISTING FOUNDATION IS SHOWN FOR REFERENCE ONLY, THE CONTRACTOR MUST VERIFY THE EXISTING DIMENSIONS, CONDITIONS AND ELEVATIONS IN THE FIELD.
 2. THE INTENT IS TO REMOVE THE ENTIRE FOUNDATION AND TO REPLACE IT WITH THE NEW FOUNDATION SHOWN.



NOTES:

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OORR
APPLICATION NO. 1383
SCHMID RESIDENCE
54 MILFORD POINT RD
MILFORD, CT

**Demolition
Foundation &
Elevations**

DTC PROJECT NUMBER: 13-449-028

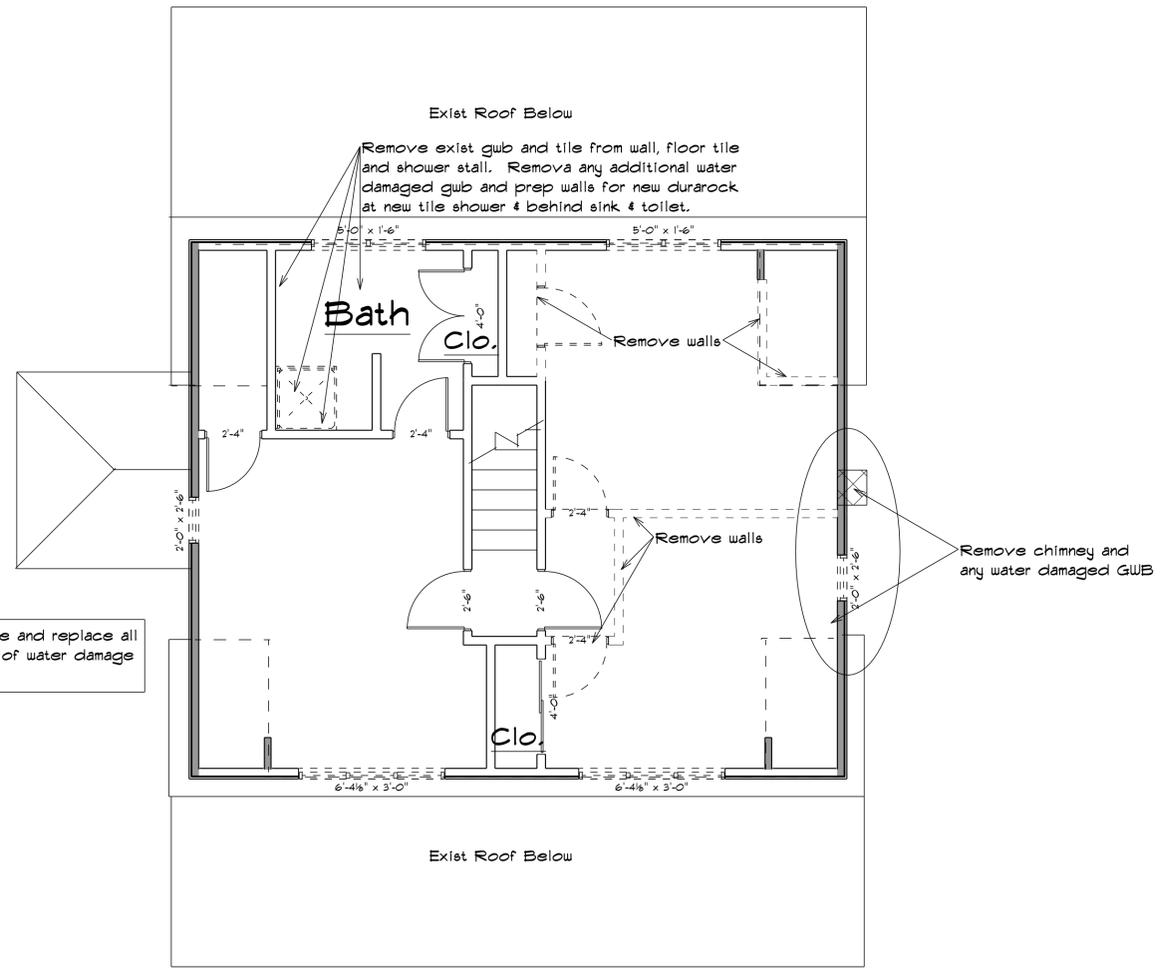
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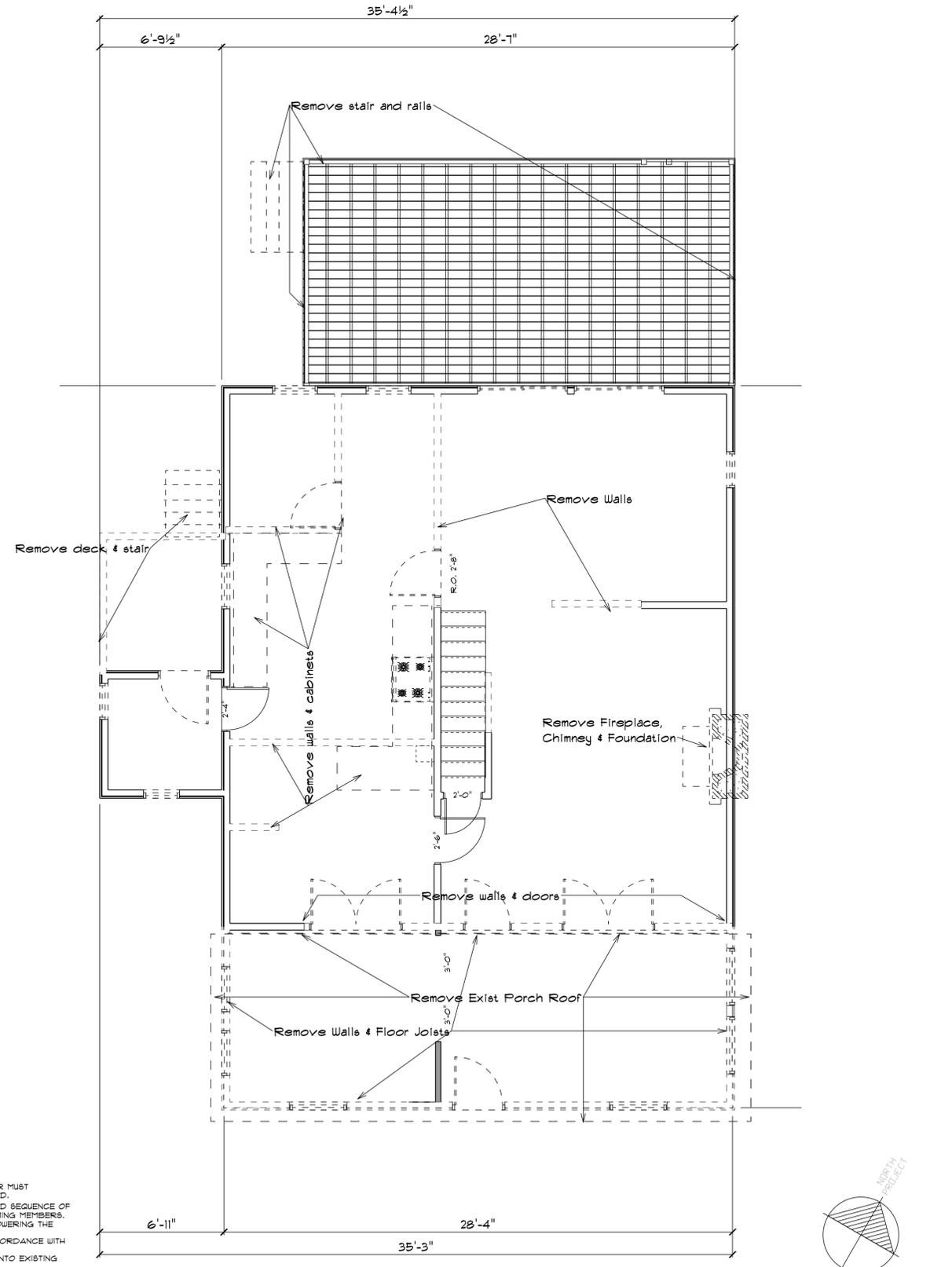
D-100



Second Floor Plan
1/4" = 1'-0"

General note remove and replace all gub showings signs of water damage or mold.

- FIRST FLOOR FRAMING DEMOLITION NOTES:**
1. THE EXISTING FRAMING IS SHOWN FOR REFERENCE ONLY. THE CONTRACTOR MUST VERIFY THE EXISTING DIMENSIONS, CONDITIONS AND ELEVATIONS IN THE FIELD.
 2. COORDINATE THE INSTALLATION OF THE HOUSE RAISING BEAMS, RIGGING AND SEQUENCE OF LIFTING/LOWERING THE STRUCTURE WITH THE EXISTING AND PROPOSED FRAMING MEMBERS. PROVIDE ALL TEMPORARY SUPPORTS OR OTHER MEANS TO ALLOW FOR LOWERING THE HOUSE ONTO THE NEW FOUNDATION.
 3. PROVIDE SOLID BLOCKING FOR DECK RAILING SYSTEM AND POSTS IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
 4. FASTEN DECK SUPPORT LEDGERS WITH (2) LEDGERLOK SCREWS AT 16" OC INTO EXISTING STUDS OR RIM JOISTS. VERIFY CONDITIONS IN THE FIELD.
 5. ALL JOIST OR BEAMS CONNECTING TO FLUSH FRAMED BEAMS ARE TO HAVE JOIST OR BEAM HANGERS SELECTED TO SUIT THE SUPPORTED MEMBER UNLESS OTHERWISE DETAILED.

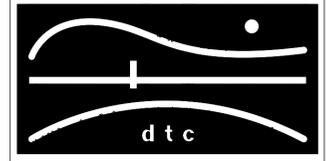


First Floor Plan
1/4" = 1'-0"



NOTES:

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Demolition
1st. Fl. & 2nd. Fl.

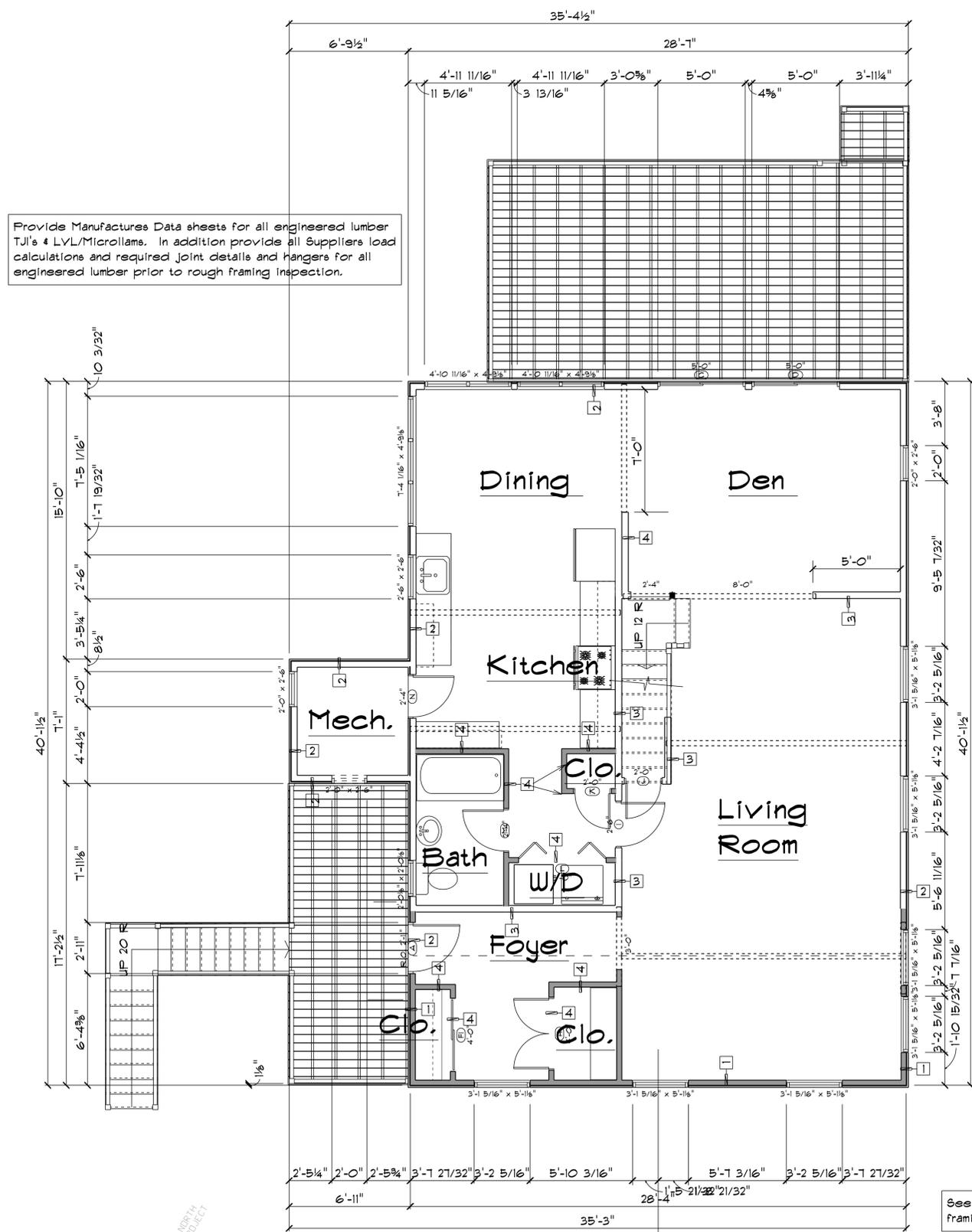
DTC PROJECT NUMBER: 13-449-028

DTC DRAWING FILE:

SCALE:	DRAWN BY:
DATE: 9/1/2014	CHECKED BY:

SHEET:

D-101



Provide Manufactures Data sheets for all engineered lumber TJI's & LVL/Microlams. In addition provide all Suppliers load calculations and required joint details and hangers for all engineered lumber prior to rough framing inspection.

WALL LEGEND	
1	New Exterior Wall Vinyl siding Air Barrier 1/2" OSB sheathing 2x6 Wd. Studs @ 16" O.C. R-21 Batt Insul. 4 Mil Poly Vapor Barrier 1/2" GUB Painted 1 coat primer 2 coats finish
2	Exist Exterior Wall FIRST FLOOR New Vinyl siding Air Barrier Existing sheathing Repaired or replaced Exist 2x4 Wd. Studs @ 16" O.C. R-21 Spray Foam Insulation 4 Mil Poly Vapor Barrier 1/2" GUB Painted 1 coat primer 2 coats finish
3	Exist Interior Wall New GUB both sides Exist 2x4 Wd. Studs @ 16" O.C. 1/2" GUB Painted 1 coat primer 2 coats finish
4	New Interior Wall New 1/2" GUB both sides New 2x4 Wd. Studs @ 16" O.C. GUB Painted 1 coat primer 2 coats finish

1st Floor Door Schedule							
OPENING ID	PRODUCT CODE	SIZE	HINGE DIRECTION	REVERSED	TEMPERED GLASS	HDW Type	
A	32X80 COUNTRY	2'-8"	L	NO	YES	1	
B	32X80 COUNTRY	2'-8"	L	NO	YES	1	
C	60X80 SLIDING GLASS	5'-0"	NN	YES	YES	2	
D	60X80 SLIDING GLASS	5'-0"	NN	YES	YES	2	
H	48X80 COLONIAL	4'-0"	LR	NO	No	3	
I	30X80 COLONIAL	2'-6"	L	NO	No	3	
J	24X80 COLONIAL	2'-0"	R	NO	No	3	
K	24X80 COLONIAL	2'-0"	L	NO	No	3	
L	60X80 BIFOLD COLONIAL	5'-0"	LR	NO	No	5	
M	28X80 COLONIAL	2'-4"	R	NO	No	4	
N	28X80 COLONIAL	2'-4"	L	NO	No	3	
FI	48X80 SLIDING COLONIAL 2	4'-0"	NN	NO	No	5	

Windows
Remove & Replace all windows and doors. Field measure all existing openings and new openings in field for New windows, Low E glass & Screens.

DOOR TYPES

HARDWARE TYPES
1 - EXTERIOR HARDWARE
2 - UNIT ENTRY HARDWARE
3 - PASSAGE
4 - PRIVACY HARDWARE
5 - CLOSET

NOTE:
GLAZING TO HAVE
A MINIMUM U-VALUE=.35

Fiberglass/ Tempered Low E/ Insulated
LOW E/ Tempered

ROOM FINISH SCHEDULE					
ROOM NAME	FLOORING	CEILING FINISH	WALLCOVERING	BASEBOARD	CEILING MATERIAL
LIVING ROOM	Tile 1	By owner	By owner	By owner	Drywall
DEN	Tile 1	By owner	By owner	By owner	Drywall
BATH	Vinyl 1	By owner	By owner	By owner	Drywall
MECHANICAL ROOM	Vinyl 2	By owner	By owner	By owner	Drywall
KITCHEN	Tile 2	By owner	By owner	By owner	Drywall
FOYER	Ceramic 1	By owner	By owner	By owner	Drywall
FOYER - CLOSET	Ceramic 1	By owner	By owner	By owner	Drywall
STORAGE	NA	By owner	By owner	By owner	Drywall
LAUNDRY	Vinyl 2	By owner	By owner	By owner	Drywall
CLOSET	Vinyl 2	By owner	By owner	By owner	Drywall
STAIR	Hardwood 1	By owner	By owner	By owner	Drywall

See S-100, S-101 & S-102 for additional framing and anchoring information

Windows:
DP 35 required all windows and doors, wind pressure calculated to be 28-30 for windows and doors.

Insulation:
Walls R-21
Floors R-30
Roof R-38

Wind Loading Zone:
100 mph.
Exposure Category 'C'

Code Notes:
2009 IRC with 2005 CT Supplement And 2013 Amendments
2009 IECC
2001 WFCM

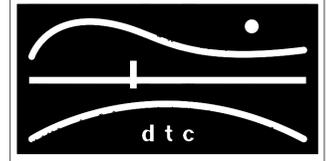
First Floor Plan

1/8" = 1'-0"



NOTES:

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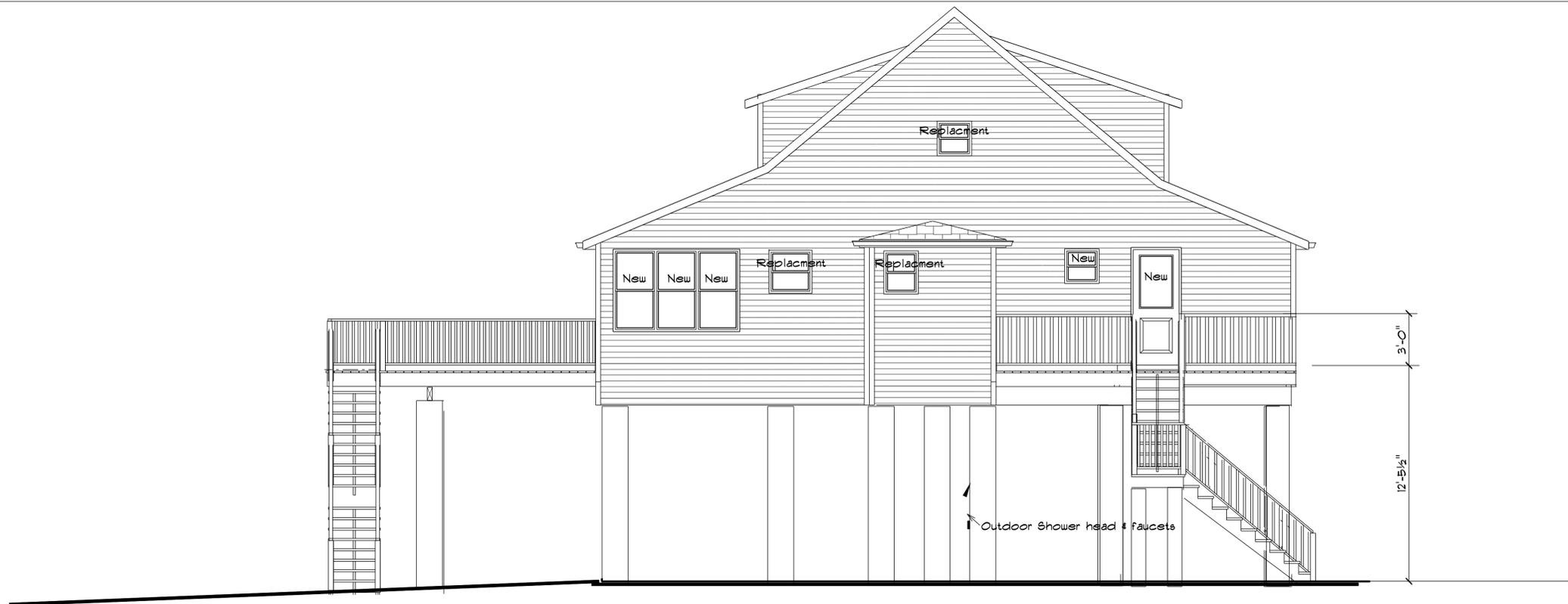
Cmars Engineering, LLC
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OORR
APPLICATION NO. 1383
SCHMID RESIDENCE
54 MILFORD POINT RD
MILFORD, CT

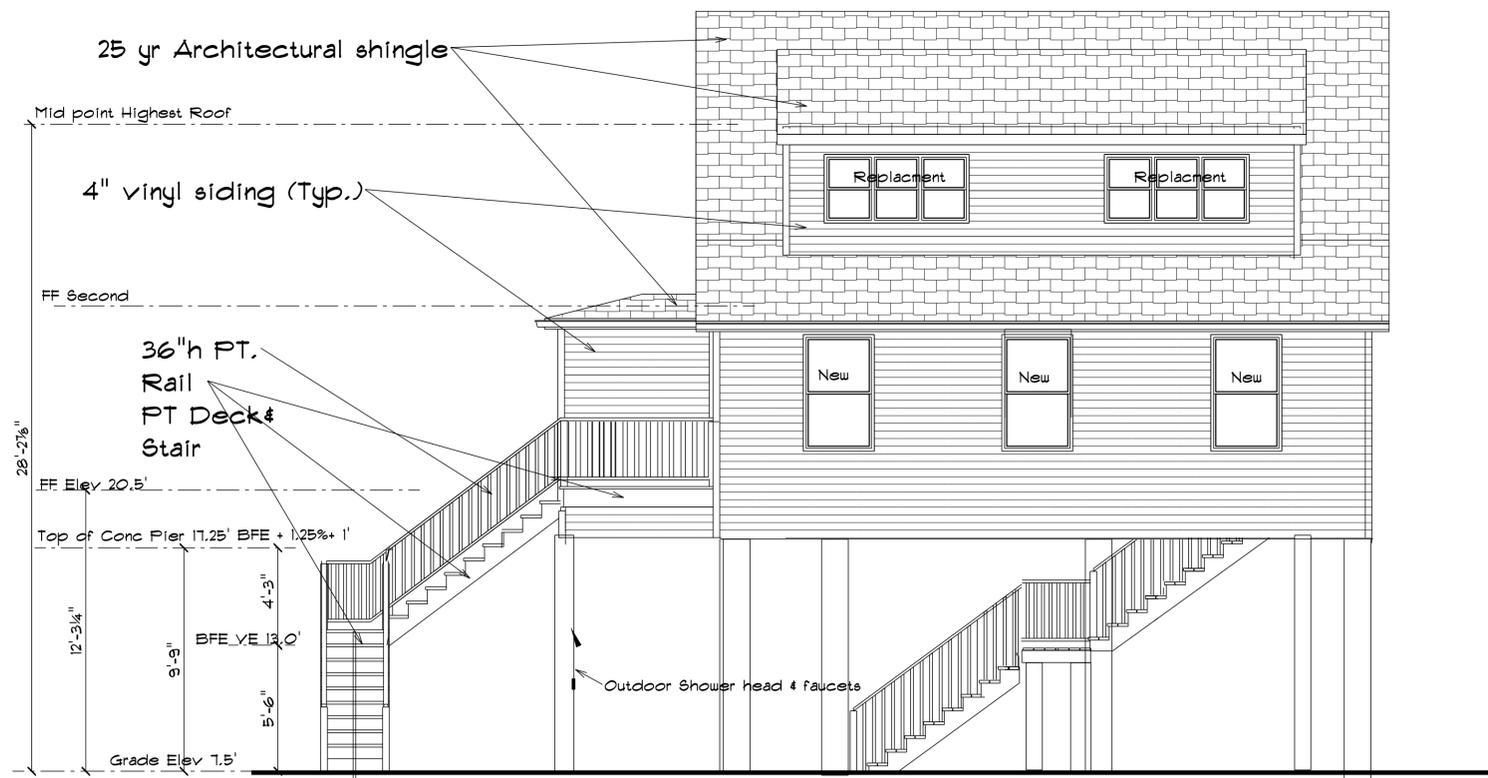
First Floor Plan

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SCALE: DRAWN BY:
DATE: 9/1/2014 CHECKED BY:

SHEET:
A-100



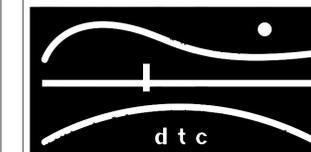
West Elevation
1/4" = 1'-0"



South Elevation
1/4" = 1'-0"

NOTES:

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South Elevation
West Elevation

DTC PROJECT NUMBER: 13-449-028

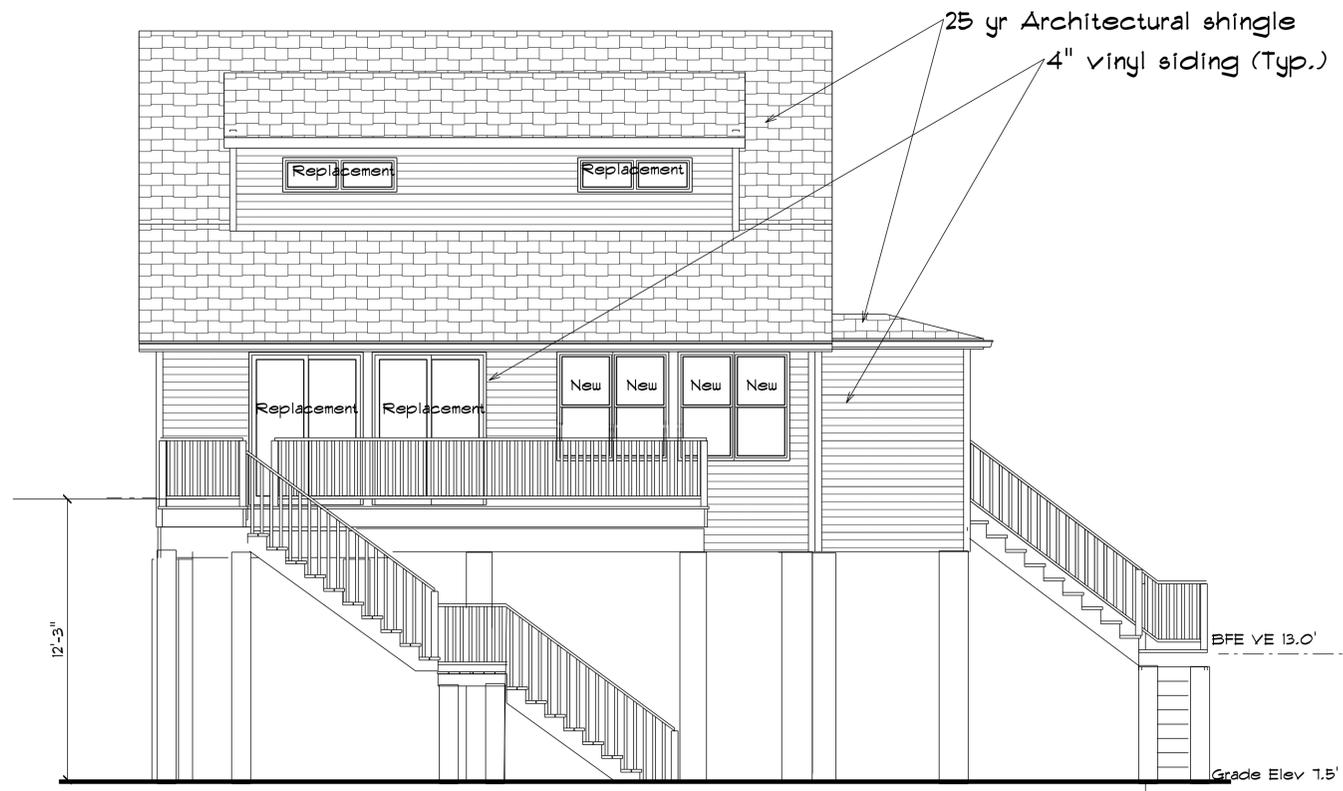
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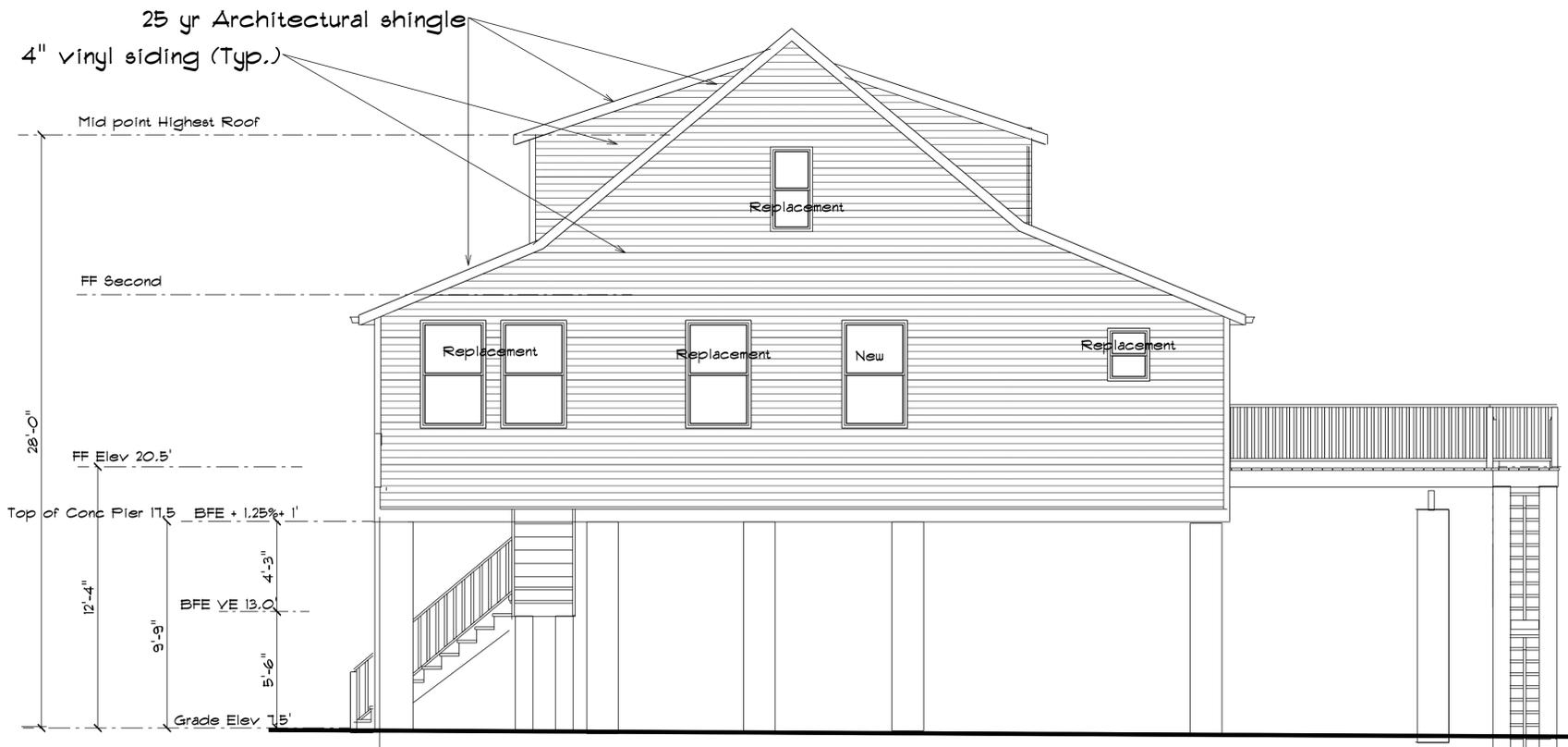
SHEET:

A-200



North Elevation

1/4" = 1'-0"

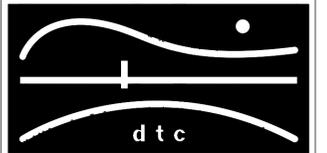


East Elevation

1/4" = 1'-0"

NOTES:

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North Elevation
East Elevation

DTC PROJECT NUMBER: 13-449-028

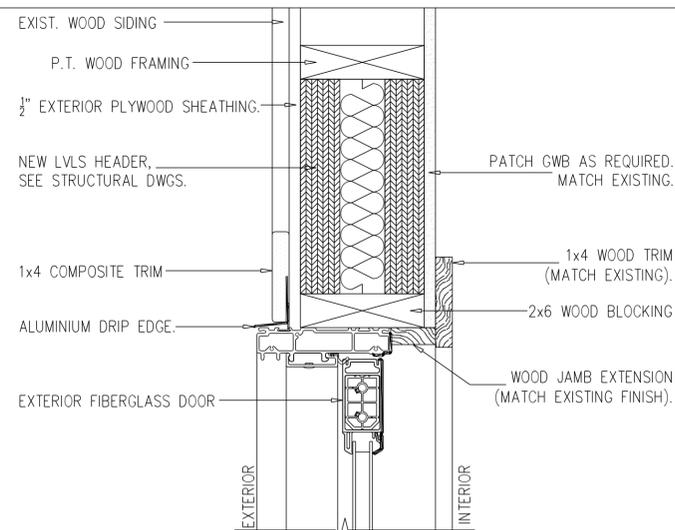
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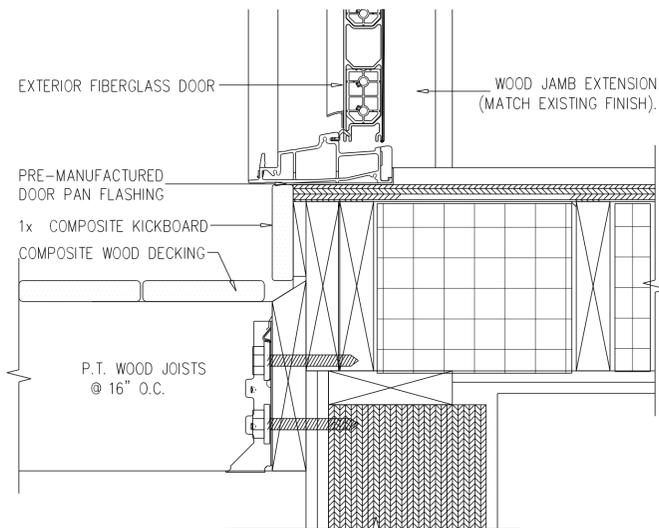
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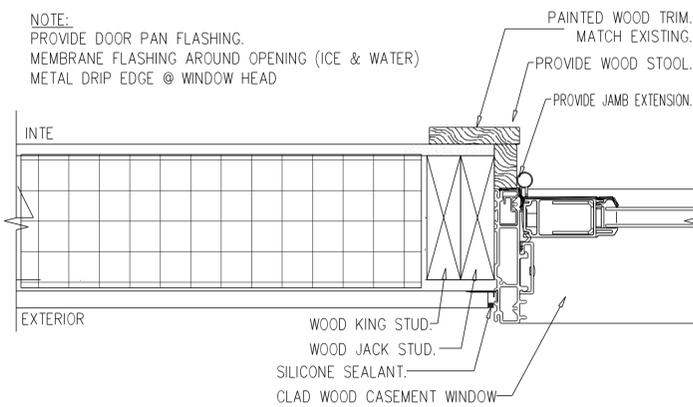
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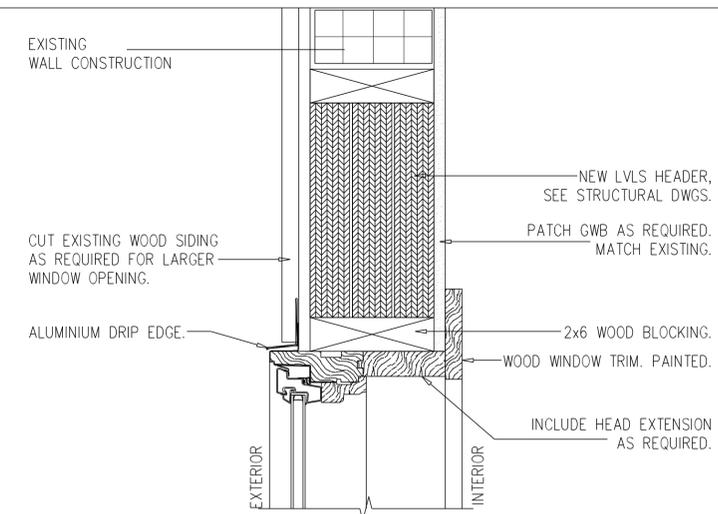
6 Ext. Fiberglass Door Head Detail
A-500 SCALE: 3/8" = 1'-0"



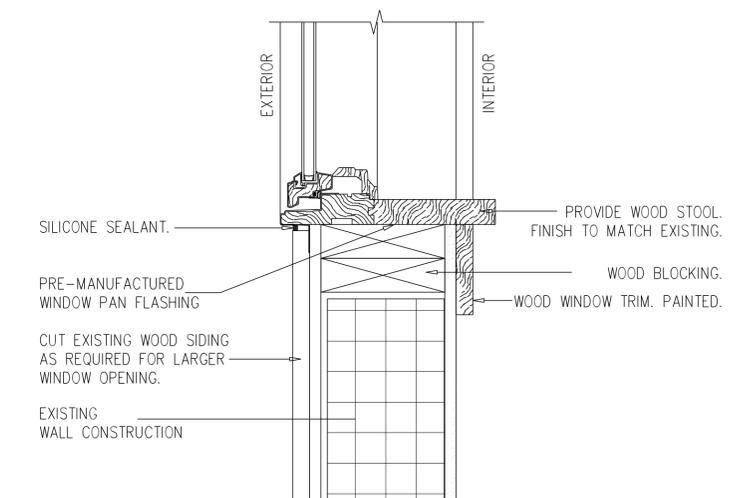
5 Ext. Fiberglass Door Sill Detail
A-500 SCALE: 3/8" = 1'-0"



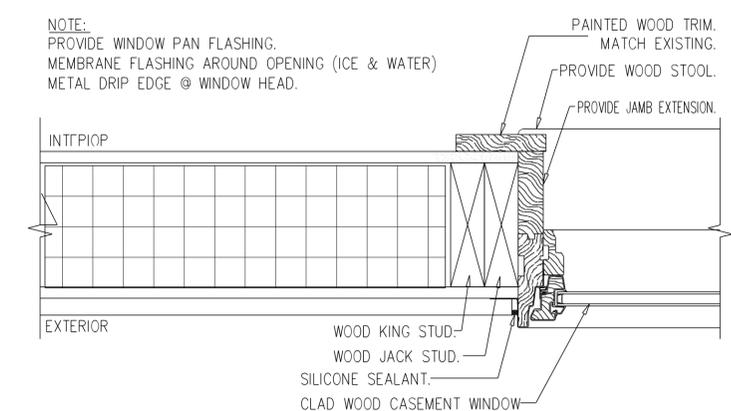
4 Ext. Fiberglass Door Jamb Detail
A-500 SCALE: 3/8" = 1'-0"



3 Wood Window Head Detail
A-500 SCALE: 3/8" = 1'-0"



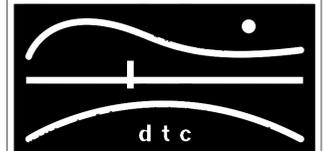
2 Wood Window Sill
A-500 SCALE: 3/8" = 1'-0"



1 Wood Window Jamb Detail
A-500 SCALE: 3/8" = 1'-0"

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OORR
APPLICATION NO. 1383
SCHMID RESIDENCE
54 MILFORD POINT RD
MILFORD, CT

Door & Window Details

DTC PROJECT NUMBER: 13-449-028

DTC DRAWING FILE:

SCALE: DRAWN BY:

DATE: 9/1/2014 CHECKED BY:

SHEET:

A-500

PLUMBING GENERAL NOTES

- THE CONTRACTOR SHALL BECOME THOROUGHLY FAMILIAR WITH THE PROJECT DOCUMENTS OF ALL TRADES. THE DRAWINGS ARE DIAGRAMMATIC AND SHOW THE GENERAL ARRANGEMENT OF EQUIPMENT AND PIPING. THE CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF EQUIPMENT AND PIPING INSTALLATION WITH ALL TRADES BEFORE COMMENCING WORK.
- THIS CONTRACT SHALL INCLUDE ALL THE NECESSARY PIPING, FITTINGS, TRANSITIONS, ETC., AS NECESSARY TO INSTALL PLUMBING SYSTEM, AND TO AVOID ANY CONFLICTS WITH OTHER TRADES AND THE BUILDING STRUCTURE.
- IT IS NOT THE INTENT OF THE DRAWINGS TO SHOW INDIVIDUAL BRANCH PIPING TO EACH PLUMBING FIXTURE. ONLY THE BRANCH PIPING TO GROUPS OF FIXTURES IS INDICATED. THE ENTIRE PLUMBING SYSTEM SHALL BE FULLY OPERATIONAL AND READY FOR BENEFICIAL USE BEFORE THE JOB IS CONSIDERED COMPLETE.
- REFER TO LATEST ARCHITECTURAL PLANS FOR ELEVATIONS, SECTIONS, DETAILS, MOUNTING HEIGHTS, LOCATION OF PLUMBING FIXTURES. ALL HANDICAPPED DESIGNATED FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH ANSI AND ADA STANDARDS.
- DO NOT SCALE DRAWINGS. CONTRACTOR SHALL VERIFY ALL DIMENSIONS & CONDITIONS IN THE FIELD AND SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY & ALL DISCREPANCIES.
- IT IS NOT INTENDED THAT THE DRAWINGS SHOW EVERY PIPE, FITTING, RISE/DROP OR DETAIL. SYSTEM & COMPONENTS SHALL BE INSTALLED ACCORDING TO THE INTENT AND MEANING OF CONTRACT DOCUMENTS AND IN ACCORDANCE WITH GOOD PRACTICE.
- CONTRACTOR IS RESPONSIBLE TO PROVIDE COMPLETE AND OPERATIONAL SYSTEMS WITH FACILITIES AND SERVICES TO MEET REQUIREMENTS INDICATED AND IN ACCORDANCE WITH APPLICABLE CODES AND ORDINANCES.
- EQUIPMENT AND COMPONENTS HAVING EQUAL PERFORMANCE CHARACTERISTICS BY OTHER MANUFACTURERS MAY BE CONSIDERED, PROVIDED DEVIATIONS IN DIMENSIONS, OPERATION AND OTHER CHARACTERISTICS DO NOT CHANGE DESIGN CONCEPT OR INTENDED PERFORMANCE AS JUDGED BY THE ENGINEER. BURDEN OF PROOF OF EQUALITY OF PRODUCTS IS ON THE CONTRACTOR.
- CONTRACTOR IS RESPONSIBLE FOR THE SAFEKEEPING OF HIS OWN PROPERTY ON THE JOB SITE. OWNER ASSUMES NO RESPONSIBILITY FOR THE PROTECTION OF PROPERTIES AGAINST FIRE, THEFT AND ENVIRONMENTAL CONDITIONS.
- CONTRACTOR IS RESPONSIBLE FOR PROPERLY PROTECTING OWNER'S PROPERTY AND EQUIPMENT FROM INJURY, AND DAMAGE TO SAME SHALL BE REPLACED BY CONTRACTOR.
- CONTRACTOR IS TO CLEAN JOB SITE DAILY AND REMOVE FROM THE PREMISES ANY DIRT AND DEBRIS CAUSED BY THE PERFORMANCE OF THE WORK INCLUDED IN THIS CONTRACT.
- ALL WORK TO BE PERFORMED IN A CLEAN AND WORKMANLIKE MANNER. CARE SHALL BE EXERCISED TO MINIMIZE ANY INCONVENIENCE OR DISTURBANCE TO OTHER AREAS OF THE BUILDING WHICH ARE TO REMAIN IN OPERATION. ISOLATE CONSTRUCTION AREAS BY MEANS OF TEMPORARY PARTITIONS AND/OR TARPS TO KEEP DUST AND DIRT WITHIN WORK AREA.
- CONTRACTOR IS RESPONSIBLE TO PROPERLY SECURE AREAS OF CONSTRUCTION AT THE END OF EACH WORKING DAY.
- EQUIPMENT AND PIPING TO BE INSTALLED IN ACCORDANCE WITH SEISMIC REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE.
- CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH ALL OTHER TRADES.
- ALL EQUIPMENT SUPPORTS AND PIPE HANGERS TO BE CONNECTED FROM THE BUILDING STRUCTURE.
- PROVIDE ACCESS PANELS/DOORS FOR ALL CONCEALED PLUMBING ITEMS REQUIRING ACCESS, COORDINATE WITH DIVISION 8.
- PROVIDE SHUTOFF VALVES AT ALL BRANCH PIPING TAKEOFFS.
- ALL BRANCH WATER PIPES TO HAVE STOP VALVES AT EACH PLUMBING FIXTURE.
- INSULATE EXPOSED WASTE, HOT AND COLD WATER PIPING UNDER HANDICAP LAVATORIES.
- INSULATE COLD WATER, HOT WATER AND RECIRCULATION PIPING, CONDENSATE DRAIN, STORM PIPING AND ROOF DRAIN BODIES.
- EVERY FIXTURE SHALL BE PROPERLY PIPED TO WATER, SANITARY, WASTE, AND VENT SYSTEMS. REFER TO THE PLUMBING SCHEDULES ON MEP DRAWINGS FOR INDIVIDUAL PIPE SIZES TO EACH FIXTURE.
- WHERE AN INACCESSIBLE CEILING IS INSTALLED (GYP BOARD OR UNIVALENT), THE CONTRACTOR SHALL COORDINATE THE LOCATIONS OF ACCESS PANELS FOR ALL VALVES, CLEANOUTS, ETC., REQUIRING ACCESS, WITH THE ARCHITECT, PRIOR TO INSTALLATION OF SUCH DEVICES AND OTHER APPURTENANCES.
- ALL PIPING IS TO BE RUN CONCEALED IN CEILINGS OR WALLS. PIPING IS TO BE EXPOSED ONLY WHERE NOTED ON DRAWINGS. IF CONTRACTOR CANNOT RUN PIPING CONCEALED, NOTIFY ENGINEER IMMEDIATELY TO RESOLVE CONFLICT.
- COORDINATE EXACT LOCATION OF ALL UNDERGROUND UTILITIES (WATER, GAS, SANITARY, ETC.) EXITING OR ENTERING THE BUILDING WITH THE CONTRACTOR AND UTILITY DRAWINGS. COORDINATE ALL FOUNDATION WALL PENETRATIONS AND INVERT ELEVATIONS WITH THE GENERAL CONTRACTOR AND OR OWNERS REPRESENTATIVE.
- DOMESTIC WATER DROPS OR RISERS INSTALLED IN EXTERIOR WALLS, SHALL BE INSTALLED ON THE WARM SIDE OF THE BUILDING INSULATION, AND THE LOCATION SHALL BE MADE INFILTRATION FREE.
- INSTALL TRAP PRIMERS FOR EACH INDIVIDUAL FLOOR DRAIN OR, AS A OPTION, CONTRACTOR MAY UTILIZED UTILITY DISTRIBUTION UNIT FOR MULTIPLE DRAIN. CONNECT TRAP PRIMER TO NEAREST ACTIVE COLD WATER MAIN. PROVIDE ISOLATION VALVES AND EXTEND TO FLOOR DRAIN.
- INSTALL FLOOR MOUNTED EQUIPMENT, SUCH AS WATER HEATERS, STORAGE TANKS, ETC. ON A 4" HIGH CONCRETE HOUSEKEEPING PAD. COORDINATE SIZE AND FINAL LOCATION OF ALL CONCRETE PADS WITH THE STRUCTURAL ENGINEER. PADS SHALL BE MINIMUM 6" LARGER THAN THE EQUIPMENT IN BOTH HORIZONTAL DIRECTIONS.
- COORDINATE ALL PLUMBING EQUIPMENT REQUIRING POWER, FOR EXACT LOCATION AND POWER REQUIREMENTS WITH THE ELECTRICAL CONTRACTOR.
- ALL INDIRECT WASTE DRAINS SHALL BE PIPED TO FLOOR DRAINS, FUNNELS OR FIXED AIR GAP FITTINGS, THROUGH AIR GAP OR TO A SINK DRAIN TAILPIECE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELBOWS, TEES, DROPS, AND MISCELLANEOUS PIPING DUE TO ELEVATION CHANGES, OBSTRUCTIONS, COORDINATION WITH OTHER TRADES, ETC. TO INSTALL A COMPLETE, FUNCTIONING, PLUMBING SYSTEM.

FIXTURE CONNECTION SCHEDULE

MARK	DESCRIPTION	MINIMUM PIPE SIZES (INCHES)			
		CW	HW	W	V
WC	WATER CLOSET	3/8	-	3	2
LAV	LAVATORY	3/8	1/2	1-1/2	1-1/2
KS	KITCHEN SINK	1/2	1/2	1-1/2	1-1/2
BT	BATH TUB WITH SHOWER	1/2	1/2	1-1/2	1-1/2
HB	HOSE BIBB	1/2	-	-	-
WM	WASHING MACHINE	1/2	1/2	2	1-1/2
HWH	HOT WATER HEATER	1/2	1/2	1-1/2	1-1/2
SH	SHOWER	3/4	3/4	2	1-1/2
D	DISHWASHER	1/2	-	-	-

PORTIONS OF THE AREAS TO BE RETROFITTED WERE NOT ACCESSIBLE AND/OR NOT DEMOLISHED UNTIL AFTER THE DESIGN PERIOD. WITHOUT THE SPACE BEING COMPLETELY ACCESSIBLE AND/OR DEMOLISHED DURING THE DESIGN PERIOD, WE WERE NOT ABLE TO SURVEY THE EXTENT OF THE EXISTING CONDITIONS AND ALL OF THE SERVICES AND CONDITIONS THAT MAY EXIST FOR CONFLICTS WITH THE INTENDED PROGRAM. THERE MAY BE COORDINATION ITEMS THAT WILL NEED TO BE ADDRESSED AFTER DEMOLITION DURING THE CONSTRUCTION PERIOD. IT SHOULD BE NOTED THAT A FINAL REVIEW AND COORDINATION WILL BE REQUIRED AFTER DEMOLITION TO VERIFY ALL FIELD CONDITIONS WITH THE DESIGN DOCUMENTS. THIS MAY RESULT IN CONSTRUCTION COST CHANGES.

NOTE: SOME SYMBOLS AND ABBREVIATIONS MAY OR MAY NOT APPEAR ON THE DRAWINGS.

PLUMBING LEGEND

SYMBOL	DESCRIPTION
	SAN SOIL OR WASTE ABOVE FLOOR OR GRADE
	SAN SOIL OR WASTE BELOW FLOOR OR GRADE
	V VENT PIPING
	COLD WATER PIPING
	HW HOT WATER PIPING
	HWR HOT WATER RECIRCULATION PIPING
	G GAS PIPING
	PIPING DIRECTION OF FLOW
	INSULATED AND HEAT TRACED PIPE
	PIPING RISER UP
	PIPING RISER DOWN
	BRANCH/BOTTOM CONNECTION
	TRAP
	BALL VALVE
	CHECK VALVE
	UNION
	CAP ON END OF PIPE
	GAS COCK
	GAS PRESSURE REGULATOR
	GAS SOLENOID VALVE
	POINT OF CONNECTION
	HOT WATER RECIRCULATING PUMP
	BACKFLOW PREVENTER
	BALANCING VALVE
	TEMPERING VALVE
	ACTIVE FEET OF BASEBOARD
	GATE VALVE
	PRESSURE REDUCING VALVE

PIPING SYMBOLS

- HWS HOT WATER SUPPLY
 HWR HOT WATER RETURN
 D DRAIN

ABBREVIATIONS

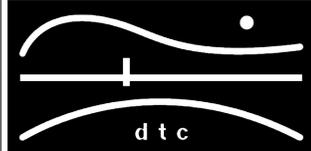
- AFF ABOVE FINISH FLOOR
 BB BASEBOARD
 BFE BASE FLOOD ELEVATION
 CO CLEANOUT
 CV CONTROL VALVE
 CTE CONNECT TO EXISTING
 D DRAIN
 DN DOWN
 E EXISTING TO REMAIN
 ER EXISTING TO BE REMOVED
 EX EXISTING TO BE RELOCATED
 GPM GALLONS PER MINUTE
 H: HERTZ
 IN INCH
 MAX MAXIMUM
 MIN MINIMUM
 N NEW
 PH PHASE
 PSI POUNDS PER SQUARE INCH
 TEMP TEMPERATURE
 TYP TYPICAL
 W WASTE

HVAC GENERAL NOTES

- NOTES BELOW ARE NOT INTENDED TO REPLACE SPECIFICATIONS. SEE SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO GENERAL NOTES.
- CONTRACTOR SHALL VISIT THE SITE AND BECOME INFORMED AS TO THE NATURE AND SCOPE OF WORK REQUIRED BY CONTRACT DOCUMENTS PRIOR TO BIDDING PROJECT.
- PROVIDE ALL REQUIRED MATERIALS, LABOR, EQUIPMENT, AND SERVICES NECESSARY FOR THE INSTALLATION OF THE WORK AS SHOWN ON THESE DRAWINGS OR SPECIFIED BY THE BASE BUILDING DRAWING AND SPECIFICATIONS.
- REFER TO AND CAREFULLY CHECK ARCHITECTURAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS AND DETAILS. NOTES LOCATIONS WHERE WALLS, PARTITIONS, CEILINGS, AND OTHER SURFACES ARE FURRED, LOCATIONS OF SHAFTS, SOFFITS, AND CONFLICTS WITH WORK OF OTHER TRADES, AND ARRANGE WORK ACCORDINGLY. FURNISH ALL OFFSETS, DAMPERS, CONNECTORS, ETC., REQUIRED TO MEET SUCH CONDITIONS.
- DUE TO SCALE OF DRAWINGS, ALL REQUIRED OFFSETS, DAMPERS, ETC., MAY NOT BE INDICATED.
- CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND ARRANGE FOR ALL REQUIRED INSPECTIONS IN ACCORDANCE WITH STATE AND LOCAL GOVERNING CODES.
- THE TERM "PROVIDE" SHALL MEAN TO FURNISH, INSTALL, AND CONNECT COMPLETELY.
- TURN OVER TO THE OWNER ALL MANUFACTURER'S WARRANTIES FOR EQUIPMENT AND MATERIALS PROVIDED.
- WHERE THE CONTRACTOR PROPOSES TO USE AN ITEM OF EQUIPMENT OTHER THAN THAT SPECIFIED OR DETAILED ON THE DRAWINGS WHICH REQUIRES ANY REDESIGN OF THE STRUCTURE, PARTITIONS, FOUNDATIONS, PIPING, WIRING OR ANY OTHER PART OF THE MECHANICAL, ELECTRICAL OR ARCHITECTURAL LAYOUT, ALL SUCH REDESIGN AND ALL NEW DRAWINGS AND DETAILS REQUIRED THEREFORE, SHALL BE PREPARED AT THE CONTRACTOR'S EXPENSE AND ARE SUBJECT TO THE REVIEW AND APPROVAL OF THE OWNER OR HIS AUTHORIZED REPRESENTATIVE. OWNER RESERVES THE RIGHT TO HAVE THE ARCHITECT OR ENGINEER OF HIS CHOICE PREPARE ANY REDESIGN WORK.
- CONTRACTOR SHALL COORDINATE ELECTRICAL REQUIREMENTS OF MECHANICAL EQUIPMENT WITH DIVISION 26.
- ALL WORK SHALL BE DONE WITH LICENSED WORKMEN IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES.
- BEFORE SELECTING MATERIAL AND EQUIPMENT, AND PROCESSING THE WORK, INSPECT AREAS WHERE MATERIAL AND EQUIPMENT ARE TO BE INSTALLED TO INSURE SUITABILITY AND CHECK NEEDED SPACE FOR PLACEMENT AND CLEARANCES.
- BEFORE CUTTING AND DRILLING INTO BUILDING ELEMENTS, INSPECT AND LAYOUT WORK TO AVOID DAMAGING STRUCTURAL ELEMENTS AND BUILDING UTILITIES.
- CONTRACTOR RESPONSIBLE FOR REPAIR AND PAYMENT FOR ALL UTILITIES DAMAGE DURING CONSTRUCTION.
- FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION OF PROVIDED EQUIPMENT.
- ALL SHOP DRAWINGS OF INDIVIDUAL COMPONENTS ARE TO BE SUBMITTED AS A COMPLETE PACKAGE.
- HVAC DRAWINGS DO NOT NECESSARY SHOW ALL CONDITIONS OF BUILDING. CONTRACTOR TO USE ALL DRAWINGS AND SPECIFICATIONS OF CONTRACT DOCUMENTS AND INSPECTION OF FIELD CONDITIONS FOR DIVISION 23.
- HVAC PLANS, DETAILS AND ONE LINE DIAGRAMS SHOW THE GENERAL LOCATION AND ARRANGEMENT OF THE SYSTEM. THESE ARE DIAGRAMMATIC AND DO NOT SHOW ALL OFFSETS, HANGERS, ACCESS DOORS, ETC. WHICH THE CONTRACTOR MUST PROVIDE TO COMPLETE THE SYSTEM.
- ALL WORK IN INTERIOR FINISHED SPACES EXCEPT INDICATED IS TO BE CONCEALED ABOVE CEILING. PROVIDE ALL NECESSARY CUTTING, PATCHING, REPAINTING AND/OR REPLACEMENT OF FINISHES AS REQUIRED TO PERFORM COORDINATE WITH OTHER DIVISIONS.
- IF MANUFACTURER OF EQUIPMENT REQUIRES LARGER CAPACITY CIRCUITRY AND/OR EQUIPMENT THE CONTRACTOR SHALL PROVIDE SUCH CAPACITY AND/OR EQUIPMENT UNDER THIS CONTRACT AT NO COST TO THE OWNER.
- DO NOT SCALE DRAWINGS. CHECK EXISTING SPACE CONDITIONS AT THE JOB SITE.
- DO NOT PENETRATE STAIR WALLS WITH ANY UTILITIES OR CONDUIT EXCEPT FOR UTILITIES SPECIFICALLY SERVING THAT STAIR.
- CONTROL CONTRACTOR PROVIDE ALL CONTROL DEVICES, EQUIPMENT, ACCESSORIES, OTHER APPARATUS, CONTROL VALVES AND DAMPERS, ACTUATORS, SENSORS, ETC. AND ALL CONTROL WIRING.
- PROVIDE FLEXIBLE CONNECTIONS BETWEEN MECHANICAL EQUIPMENT AND DUCTWORK AND PIPING.
- ALL PENETRATIONS THRU WALLS, ROOF, AND FLOORS TO BE COORDINATED BEFORE SITE WORK EXECUTION WITH STRUCTURAL ENGINEERS.
- THERMOSTAT AND TEMPERATURE SENSOR LOCATIONS TO BE COORDINATED WITH INTERIOR WALL LAYOUT, REFER TO ARCHITECTURAL PLANS.
- NO THREADED FITTINGS 2-1/2" AND LARGER ALLOWED FOR HYDRONIC HVAC PIPING.
- CONTRACTOR SHALL SELECT AND PROVIDE EXPANSION JOINTS OR EXPANSION LOOPS AND ANCHORS AS REQUIRED TO PREVENT TEMPERATURE EXPANSION STRESSES OF HYDRONIC PIPES BASED ON ACTUAL INSTALLATION CONDITIONS.
- ELECTRICAL CHARACTERISTICS FOR MECHANICAL EQUIPMENT: EQUIPMENT OF HIGHER ELECTRICAL CHARACTERISTICS MAY BE FURNISHED PROVIDED SUCH PROPOSED EQUIPMENT IS APPROVED IN WRITING AND CONNECTING ELECTRICAL SERVICES, CIRCUIT BREAKERS, AND CONDUIT SIZES ARE APPROPRIATELY MODIFIED. IF MINIMUM ENERGY RATINGS OR EFFICIENCIES ARE SPECIFIED, EQUIPMENT SHALL COMPLY WITH REQUIREMENTS.
- WINGS: DETAIL MAJOR ELEMENTS, COMPONENTS, AND SYSTEM PER MECHANICAL EQUIPMENT AND MATERIALS IN RELATIONSHIPS WITH OTHER SYSTEMS, INSTALLATIONS, AND BUILDING COMPONENTS. SHOW SPACE REQUIREMENTS FOR INSTALLATION AND ACCESS. INDICATE IF SEQUENCE AND COORDINATION ARE IMPORTANT TO EFFICIENT FLOW OF THE WORK. INCLUDE THE FOLLOWING.
 - PLANNED PIPING LAYOUT, INCLUDING VALVE AND SPECIALTY LOCATIONS AND VALVE-STEM MOVEMENT.
 - CLEARANCES FOR INSTALLING AND MAINTAINING INSULATION.
 - CLEARANCES FOR SERVING AND MAINTAINING EQUIPMENT, ACCESSORIES, AND SPECIALTIES, INCLUDING SPACE FOR DISASSEMBLY REQUIRED BY PERIODIC MAINTENANCE.
 - EQUIPMENT AND ACCESSORY SERVICE CONNECTIONS AND SUPPORT DETAILS.
 - EXTERIOR WALL AND FOUNDATION PENETRATIONS.
 - SIZES AND LOCATION OF REQUIRED CONCRETE PADS AND BASES.
 - FLOOR PLANS, ELEVATIONS, AND DETAILS TO INDICATE PENETRATIONS, FLOORS, WALLS, AND CEILINGS AND THEIR RELATIONSHIP TO OTHER PENETRATIONS AND INSTALLATIONS.
 - SCALE: MINIMUM 1/4"=1'-0" FOR FLOOR PLAN, 3/8"=1'-0" FOR MECHANICAL ROOMS.
- ALL PENETRATIONS FOR THE INSTALLATION OF THE MECHANICAL SYSTEMS SHALL BE CAULKED AND SEALED FOR SMOKE AND FIRE AS REQUIRED.

NOTES:

REVISIONS



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54 MILFORD POINT RD
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MECHANICAL & PLUMBING
NOTES, LEGENDS,
ABBREVIATIONS & DETAILS

DTC PROJECT NUMBER: 13-449-028

DTC DRAWING FILE:

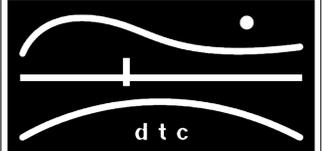
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DATE: 9/1/2014 CHECKED BY: RCN

SHEET:

MP-001

NOTES:

REVISIONS



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OORR
APPLICATION NO. 1383
SCHMID RESIDENCE
54 MILFORD POINT RD
MILFORD, CT

MECHANICAL &
PLUMBING DEMOLITION
PLANS

DTC PROJECT NUMBER: 13-449-028

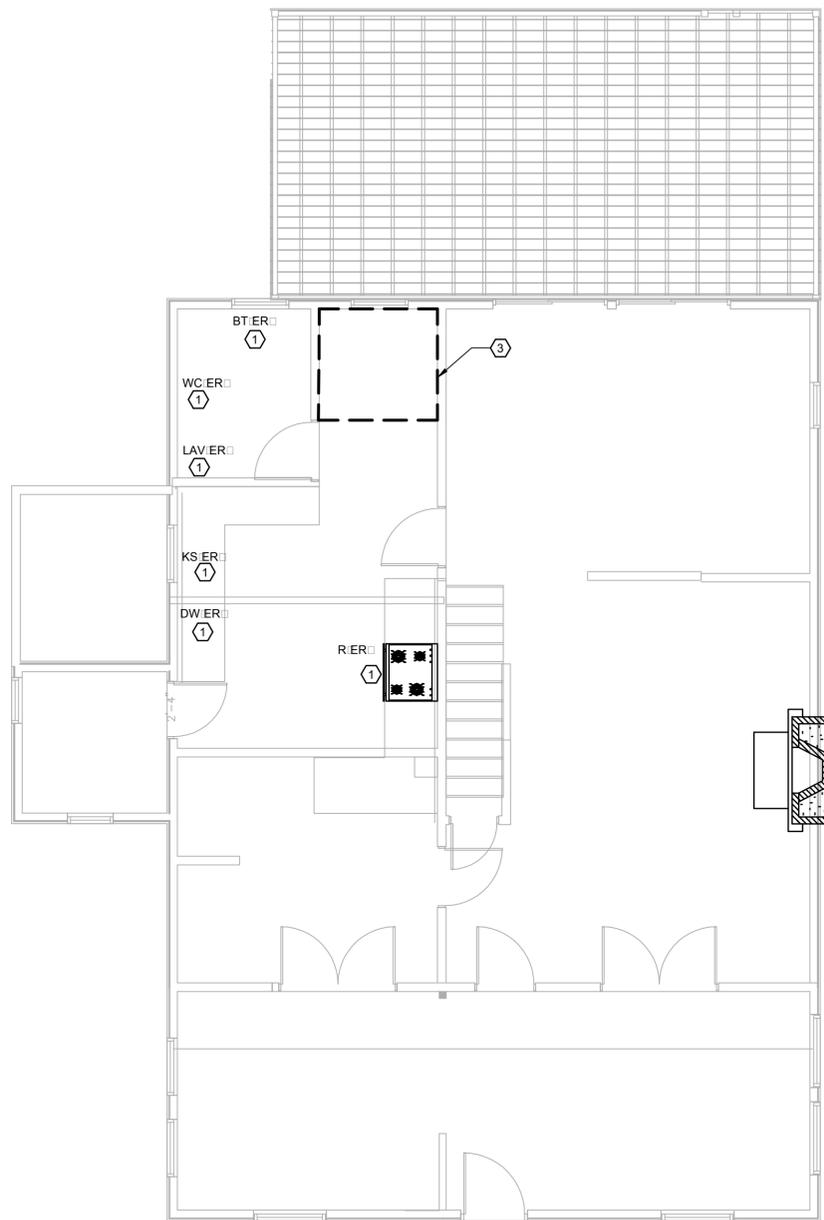
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DATE: 9/1/2014 CHECKED BY: RCN

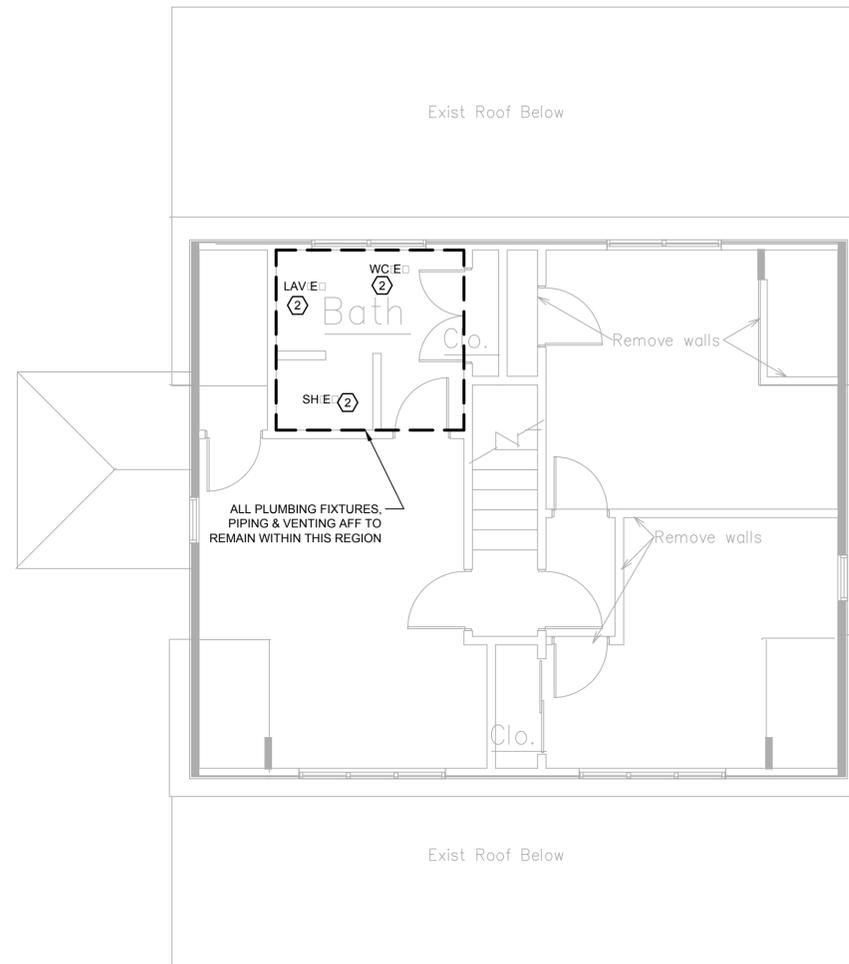
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MPD-100



1 FIRST FLOOR PLAN

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



2 SECOND FLOOR PLAN

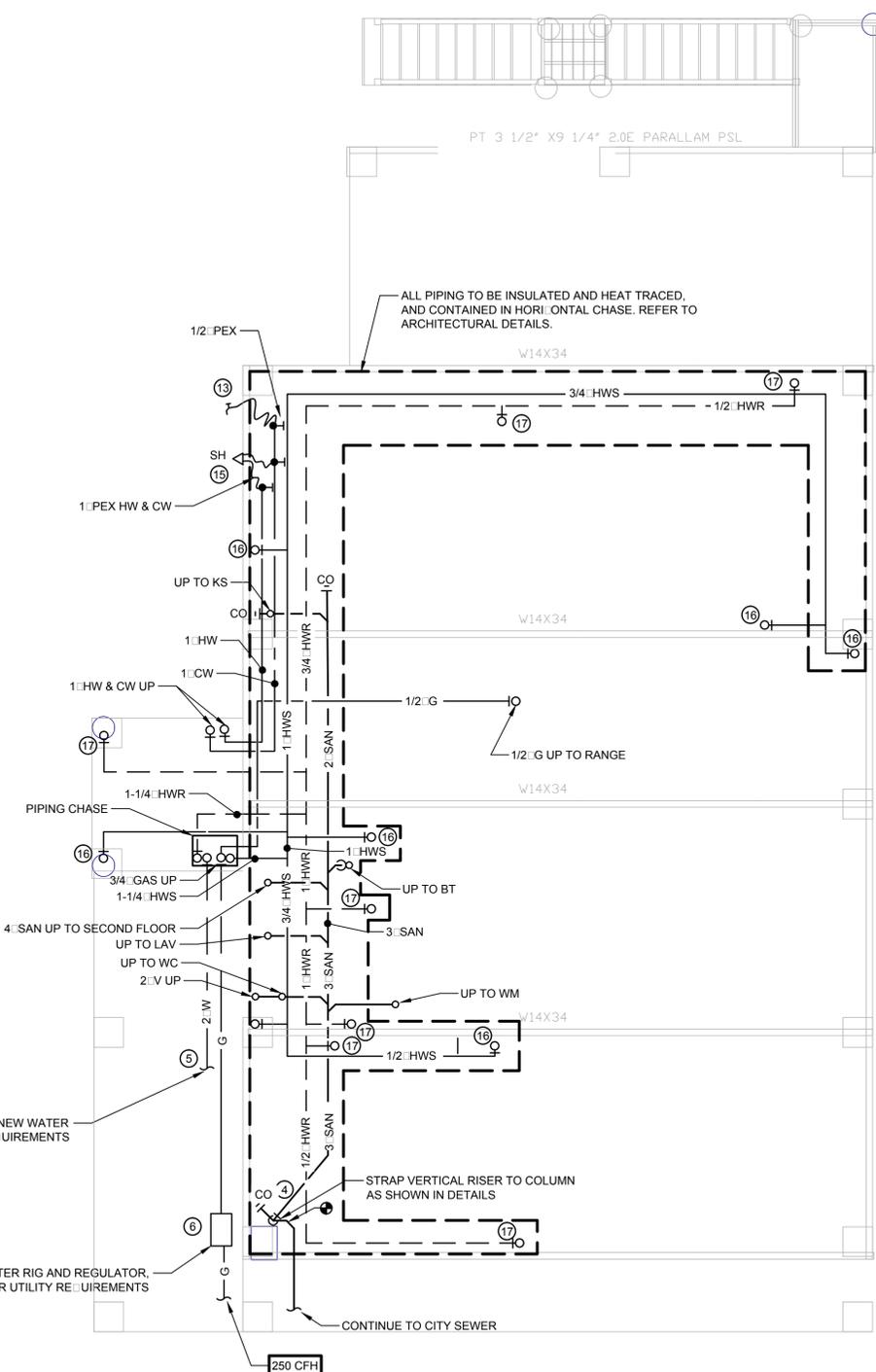
SCALE: 1/4" = 1'-0"



GENERAL DEMOLITION NOTES:

- ① REMOVE FIXTURE, PIPING, VALVES FIXTURES, FITTINGS, AND OTHER APPURTENANCES.
- ② REMOVE PIPING FOR EXISTING EQUIPMENT TO BE TERMINATED IN FIRST FLOOR CEILING.
- ③ MECHANICAL EQUIPMENT TO BE REMOVED, INCLUDING EQUIPMENT, DUCTWORK, PIPING, & ASSOCIATED APPURTENANCES.

GENERAL NOTE:
ALL ABANDONED PIPING, DUCTWORK, VALVES PUMPS, AND EQUIPMENT ARE TO BE REMOVED.

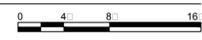


CONTINUE TO WATER MAIN. INSTALL NEW WATER METER AS PER UTILITY REQUIREMENTS

RELOCATE GAS METER RIG AND REGULATOR, INSTALL AS PER UTILITY REQUIREMENTS

250 CFH

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

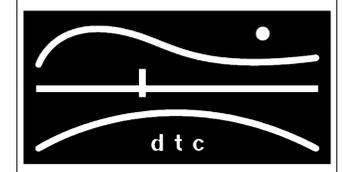


GENERAL WORK NOTES:

- ① CONNECT BASEBOARD
- ② REFER TO DETAILS FOR BOILER PIPING
- ③ INSTALL EXPANSION TANK, REFER TO DETAIL
- ④ CONNECT SANITARY PIPE
- ⑤ CONNECT DOMESTIC WATER LINE TO WATER MAIN
- ⑥ CONNECT GAS PIPE TO NEW GAS METER.
- ⑦ KS: PROVIDE 3/4" H&CW, 1-1/2" SAN, 1-1/2" V TO NEW SINK
- ⑧ DW: PROVIDE 3/4" H&CW, 1" DRAIN TO KS
- ⑨ WM: PROVIDE 3/4" H&CW, 2" SAN, 1-1/2" V TO NEW WASHING MACHINE BOX
- ⑩ WC: PROVIDE 3/4" CW/EI, 4" SAN, 2" V TO WATER CLOSET.
- ⑪ LAV: PROVIDE 3/4" H&CW, 1-1/2" SAN, 1-1/2" V TO BATHROOM LAVATORY.
- ⑫ BT: PROVIDE 1" H&CW, 4" SAN, AND 4" V TO BATHTUB.
- ⑬ HB: PROVIDE 1/2" CW PEX PIPE TO HOSE BIBB.
- ⑭ HWH: PROVIDE 3/4" CW, VENT WITH CONCENTRIC VENT KIT, REFER TO DETAILS.
- ⑮ OSH: PROVIDE 1" H&CW AND TMV TO OUTDOOR SHOWER
- ⑯ 3/4" HWS UP TO BASEBOARD ABOVE. INCLUDE ISOLATION VALVES AT START AND END OF BASEBOARD LOCATED WITHIN BASEBOARD HOUSING
- ⑰ 3/4" HWS UP TO BASEBOARD ABOVE. INCLUDE ISOLATION VALVES AT START AND END OF BASEBOARD LOCATED WITHIN BASEBOARD HOUSING

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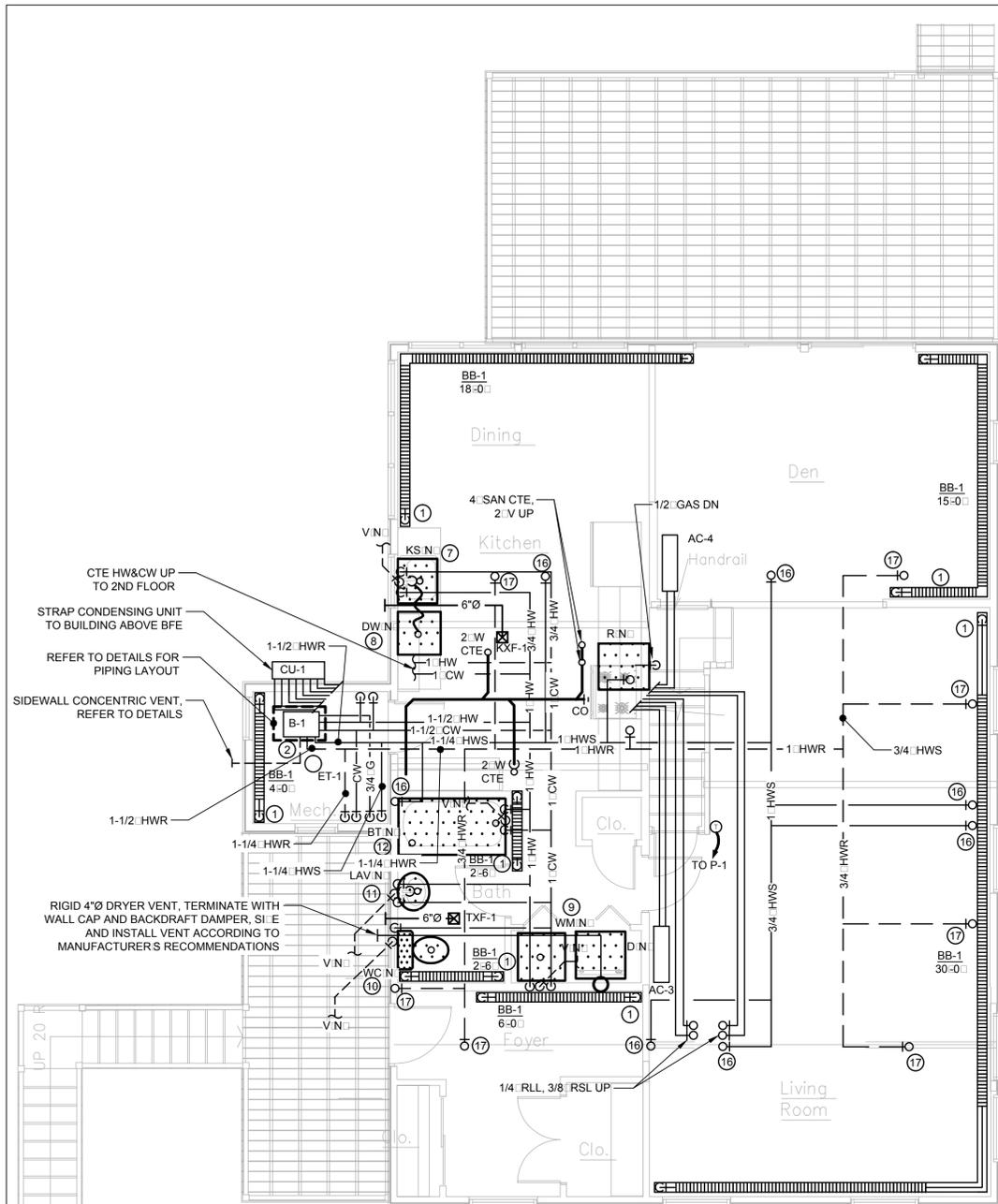
MECHANICAL & PLUMBING GROUND FLOOR PLAN

DTC PROJECT NUMBER: 13-449-028
DTC DRAWING FILE:

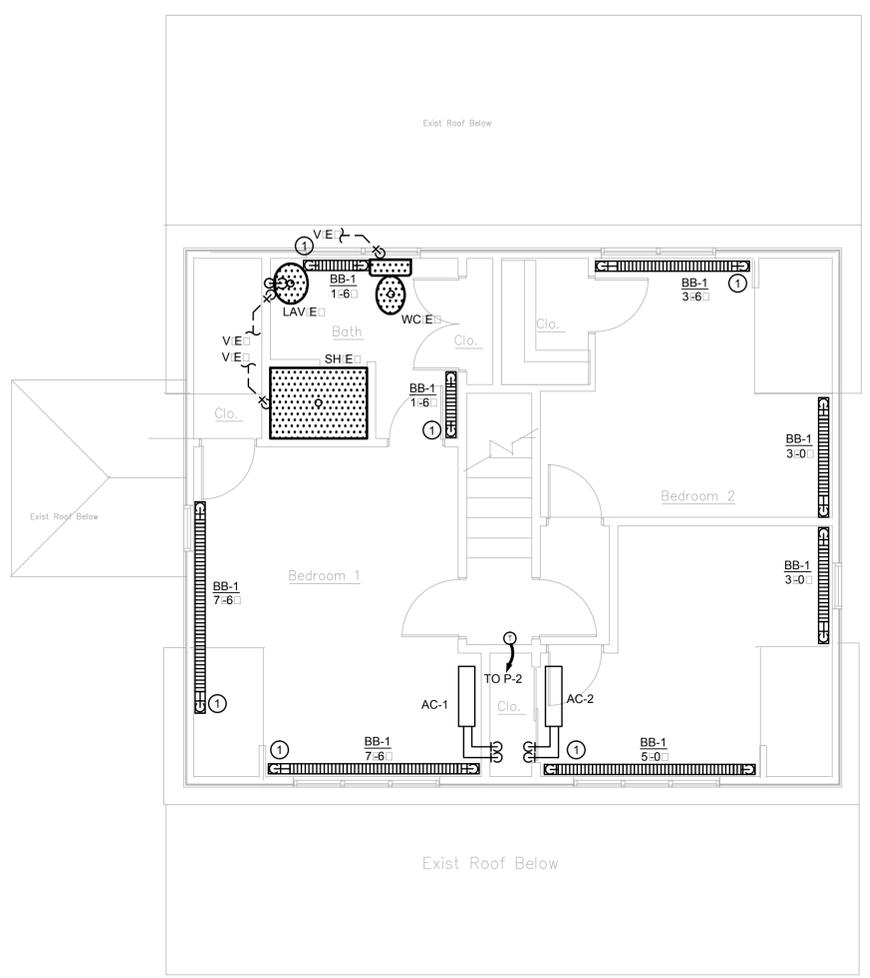
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DATE: 9/1/2014 CHECKED BY: RCN

SHEET:

MP-100



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



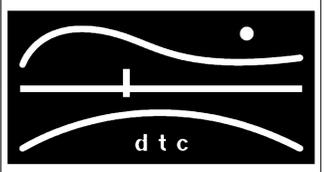
2 SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0"



- GENERAL WORK NOTES:
- ① CONNECT BASEBOARD
 - ② REFER TO DETAILS FOR BOILER PIPING
 - ③ INSTALL EXPANSION TANK, REFER TO DETAIL
 - ④ CONNECT SANITARY PIPE
 - ⑤ CONNECT DOMESTIC WATER LINE TO WATER MAIN
 - ⑥ CONNECT GAS PIPE TO NEW GAS METER.
 - ⑦ KS: PROVIDE 3/4" H&CW, 1-1/2" SAN, 1-1/2" V TO NEW SINK
 - ⑧ DW: PROVIDE 3/4" H&CW, 1" DRAIN TO KS
 - ⑨ WM: PROVIDE 3/4" H&CW, 2" SAN, 1-1/2" V TO NEW WASHING MACHINE BOX
 - ⑩ WC: PROVIDE 3/4" CW/E; 4" SAN, 2" V TO WATER CLOSET.
 - ⑪ LAV: PROVIDE 3/4" H&CW, 1-1/2" SAN, 1-1/2" V TO BATHROOM LAVATORY.
 - ⑫ BT: PROVIDE 1" H&CW, 4" SAN, AND 4" V TO BATHTUB.
 - ⑬ HB: PROVIDE 1/2" CW PEX PIPE TO HOSE BIBB.
 - ⑭ HWH: PROVIDE 3/4" CW, VENT WITH CONCENTRIC VENT KIT, REFER TO DETAILS.
 - ⑮ OSH: PROVIDE 1" H&CW AND TMV TO OUTDOOR SHOWER
 - ⑯ 3/4" HWS UP TO BASEBOARD ABOVE, INCLUDE ISOLATION VALVES AT START AND END OF BASEBOARD LOCATED WITHIN BASEBOARD HOUSING
 - ⑰ 3/4" HWS UP TO BASEBOARD ABOVE, INCLUDE ISOLATION VALVES AT START AND END OF BASEBOARD LOCATED WITHIN BASEBOARD HOUSING

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MECHANICAL & PLUMBING FIRST & SECOND FLOOR PLANS

DTC PROJECT NUMBER: 13-449-028
DTC DRAWING FILE:

SCALE: 1/4" = 1'-0" DRAWN BY: RWF
DATE: 9/1/2014 CHECKED BY: RCN

SHEET:
MP-101

Sep 05, 2014 - 5:45pm
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1383.dwg

FINNED TUBE RADIATION SCHEDULE

UNIT	MANUFACTURER	MODEL	FIN SIZE IN	FINS / LF	ROWS	TUBE SIZE	BTUH / LF	COVER DEPTH / HEIGHT IN	REMARKS
BB	SLANT FIN	MULTIPAK 80 H-5X	3.3.25	48	1	1.25	390	3.5/6.875	

NOTES: BASEBOARD IS DERATED TO 120F-160F.

EXPANSION TANKS SCHEDULE

SYMBOL	SERVICE	MANUFACTURER	MODEL	TYPE	VOLUME GALS.	ACCEPTANCE GALS.	REMARKS
ET-1	B-1	AMTROL	EX-30	DIAPHRAGM	4.4	2.5	

COMBINATION HOT WATER BOILER & WATER HEATER SCHEDULE

UNIT	MANUFACTURER	MODEL	BOILER DATA					EWT (F)	LWT (F)	VENT	FUEL	ELECTRICAL		DIMENSIONS (IN)	REMARKS
			TYPE	INPUT (MBH)	GAS VALVE CONNECTION	GAS INPUT (CFH)	GAS PRESSURE MIN/MAX (IN. WC)					VOLT/PH/H	WATTS		
B-1	NAVIENT	CH-240 ASME	CONDENSING	200	3/4	200	5.5/10.5	120	160	3	NATURAL GAS	120/1/60	200	17.28.12	CONCENTRIC VENT KIT, WALL MOUNTING BRACKETS

NOTES: BOILER TO HAVE OUTDOOR AIR RESET AS PER MANUFACTURER.

CONDENSING UNIT SCHEDULE

UNIT	MANUFACTURER	MODEL	ASSOCIATED UNIT	TONS	REFRIG. TYPE	OUTDOOR AMBIENT	ELECTRICAL		LOCATION	REMARKS
							VOLTAGE/PH/H	MIN CA		
CU-1	LG	LMU369HV	AC-1, 2, 3, 4	3	R410A	95	208/60/1	16.8	WALL HUNG	INCLUDE MOUNTING BRACKETS

FAN SCHEDULE

MARK	MANUFACTURER	MODEL	CFM	SP	WATTS	REMARKS
TXF-1	BROAN	XB-50	50	1.1	4.9	INTERLOCK WITH BATHROOM LIGHT SWITCH
KXF-1	BROAN	XB110	110	1.1	7.7	INTERLOCK WITH SWITCH

PLUMBING VALVES SCHEDULE

TYPE	VALVE SPECIFICATION							MATERIAL							PRESSURE							LOCATIONS													
	FIG. NO. MILWAUKEE	FIG. NO. HOMESTEAD	SIZE	O.S.&Y.	N.R.S.	FLANGED	SCREWED	SOLDER	BRASS	BRONZE	I.B.M.	ALL IRON	CAST STEEL	HOSE END	175# WWP	200# WWP	250# WWP	300# WWP	400# WWP	500# WWP	600# WWP	900# WWP	GAS	C.W. 4" & UP	C.W. 3" & DN	C.W. 2" & DN	HW HWC 4" & UP	HW HWC 3" & DN	HW HWC 2" & DN	REQ. AT EQUIP	SUMP DISCH.	EJECT. DISCH.	D.W. D.W.C.		
BALL VALVES	BA-100	-	1/4"-2"																																
	BA-150	-	1/4"-2"																																
GLOBE & ANGLE VALVES	502	-	1/8"-3"																																
	1590T	-	3/8"-3"																																
	595T	-	1/8"-3"																																
CHECK VALVES	F-2981	-	2"-10"																																
	F-2974	-	2"-12"																																
	2974	-	2"-12"																																
	510T	-	1/4"-2"																																
PLUG VALVES	-	611	1/2"-6"																																
	-	611	1"-4"																																
	-	612	1"-8"																																

AIR CONDITIONING UNIT SCHEDULE

UNIT	MANUFACTURER	MODEL	ASSOCIATED UNIT	SUPPLY AIR CFM	NOMINAL COOLING CAP. TONS	ELECTRICAL		AREA BEING SERVED	REMARKS
						VOLT/PH/H	MIN. AMPS		
AC-1	LG	LMN097HVT	CU-1	212	9000	208/60/1	0.2	BEDROOM 1	
AC-2	LG	LMN097HVT	CU-1	212	9000	208/60/1	0.2	BEDROOM 2	
AC-3	LG	LMN127HVT	CU-1	300	12000	208/60/1	0.2	LIVING ROOM	
AC-4	LG	LMN097HVT	CU-1	212	9000	208/60/1	0.2	DEN	

NOTES: DO NOT EXCEED REFRIGERANT PIPING LENGTH AS SPECIFIED BY THE MANUFACTURER.

PUMP SCHEDULE

UNIT	MANUFACTURER	SERIES	SERVICE	TYPE	GPM	HEAD FT.	RPM	MAX WORKING PRESSURE (PSI)	MOTOR		REMARKS
									ELECTRICAL	HP	
P-1	TACO	0011	FIRST FLOOR	CIRCULATOR	10	22	3250	125	115/60/1	1/8	BRONZE BODY
P-2	TACO	0011	SECOND FLOOR	CIRCULATOR	10	22	3250	125	115/60/1	1/8	BRONZE BODY

PLUMBING FIXTURE/EQUIPMENT SCHEDULE

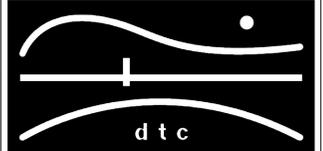
SYMBOL	MARK	MFR	MODEL	DESCRIPTION
	BT	KOHLER	STERLING ACCORD	ONE-PIECE RECESS BATH W/ INTEGRAL APRON, W/END DRAIN OUTLET. NOMINAL DIMENSIONS: 60" X 32" X 74". 2" CAST BRASS BASKET WITH CHROME PLATED STRAINER. 1.5 GPM TEMP/TROL SHOWER WITH PRESSURE BALANCING MIXING VALVE, INTEGRAL CHECK STOPS, SHOWER HEAD ANCHOR PLATE AND LEVER HANDLE. SOLID SURFACE, 3 PIECE SHOWER WALL KIT & CURTAIN ROD. COLOR AND MODEL SPECIFIED BY OWNER.
	FIXTURE	SYMMONS	TEMP/TROL	
	HB	WOODFORD	26 METAL HANDLE	CAST BRASS, CHROME FINISH. LOOSE KEY, ANTI-SIPHON ASSE RATED VACUUM BREAKER, TRILINE WALL HYDRANT 1/2" INLET.
	TMV	LAWLER	804	THERMOSTATIC MIXING VALVE- WATER HEATERS, 1-1/2" INLETS, 2" OUTLET.
	WC	KOHLER	K3658-RA-0 HIGHLINE COMFORT HEIGHT	VITREOUS CHINA, FLOOR SET, TANK TYPE WATER CLOSET. ELONGATED BOWL, 1.28 GPF.
	SH	SYMMONS	131SH-RP	2.0 GPM CHROME PLATED SHOWER HEAD, INCLUDE SHOWER ARM AND NECESSARY FITTINGS FOR COMPLETE INSTALLATION.
	LAV FAUCET	SWAN SYMMONS	CHESAPEAKE CH182237 S-20-2-FR LEVER HANDLE 1.5 GPM FLOW	SOLID SURFACE MOLDED VANITY TOP, OVERFLOW, INTEGRAL BOWL & BACKSPLASH. 4 CENTERS, 1-1/4" P-TRAP SET, SUPPLIES AND STOPS: SIZE INDICATED ON DRAWINGS, COLOR PER ARCHITECT. 4 CENTERS SET CHROME FAUCET WITH STANDARD LEVER HANDLE, POP-UP DRAIN 1.5 GPM FLOW RESTRICTOR, VANDAL RESISTANT.
	KS	ELKAY SYMMONS	LR2225 S-23-2-SM LEVER HANDLE 1.0 GPM FLOW	KITCHEN SINK: 18 GAUGE, TYPE 316 STAINLESS STEEL, 22" X 25" LONG X 8" DEEP, TWO-HOLE FAUCET DRILLING, WITH LKAD-35 BASKET STRAINER, TAILPIECE ASSEMBLY: 8" SINGLE LEVER HANDLE, SINK MOUNTED FAUCET. GARBAGE DISPOSAL EVOLUTION BATCH FEED GARBAGE DISPOSAL, STAINLESS STEEL GRIND CHAMBER, INSINKERATOR GD MAGNETIC COVER START, 2-STAGE MULTIGRID, SOUND SEAL; 3/4HP, 120V/1PH, POWER CORD W/3 PRONG PLUG.
	WSH	SYMMONS	W-602-X	LAUNDRY-MATE AUTOMATIC WASHING MACHINE VALVE WITH SUPPLY & DRAIN FIXTURE, 1/2" SWEAT UNION ELL CONNECTIONS & 2" DRAIN CONNECTIONS. FURNISH & INSTALL DRAIN PANS UNDER EACH WASHER.
	D	GE	GTDP490EDWS	27" WIDTH, 42" HEIGHT, 7 CU.FT CAPACITY DURADRUM ELECTRIC TOP LOAD DRYER, ENERGY STAR CERTIFIED, POWDER COATED STEEL DRYER DRUM MATERIAL, 240 V, 97 LBS, WHITE.
	WM	GE	GTWN4250DWS	3.9 CU. FT HIGH EFFICIENCY TOP LOAD WASHER, ENERGY STAR CERTIFIED, 27" WIDE, 42" HEIGHT, 120 V, 10 A, STAINLESS STEEL WASHER TUB, 150 LBS, WHITE.
	R	AMANA	AGR5630BDW	5.0 CU. FT GAS RANGE WITH SELF CLEANING OVEN, 2 OVEN RACKS, 30 IN RANGE, DEEL RECESSED COOKTOP SURFACE, ENERGY STAR CERTIFIED, WITH BROILER, BUILT IN CLOCK, BUILT IN TIMER, CONTROL LOCKOUT, DIGITAL DISPLAY, INTERIOR LIGHT, LOWER STORAGE DOOR AND OVER WINDOW, WHITE.
	DW	WHIRLPOOL	WDF510PAYW	FRONT CONTROL DISHWASHER, ENERGY STAR CERTIFIED, 55" BA, DELAY START OPTION, PLASTIC TUB, VINYL RACKS, 120V, 15A, 23.88" WIDTH, 34.5" HEIGHT, 85 LBS, WHITE.

MATERIAL SCHEDULE

SYSTEMS	PIPE							FITTING		JOINTS			
	REQUIRED	C.I.	STL. SCHED-40	BLACK IRON	GALVANIZED	C.T. "L"	PEX	C.I. NO-HUB FITTINGS	SOLDER FITTINGS	THREADED	SOLDERED	WELDED	NO-HUB (HUSKY # 400)
SANITARY													
VENTS													
C.W.													
H.W.													
GAS													
C.W.S.													
H.W.S.													

NOTES:

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MECHANICAL &
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SCHEDULES

DTC PROJECT NUMBER: 13-449-028

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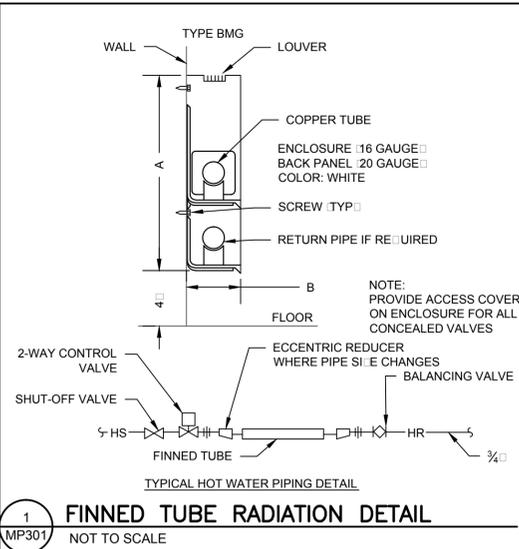
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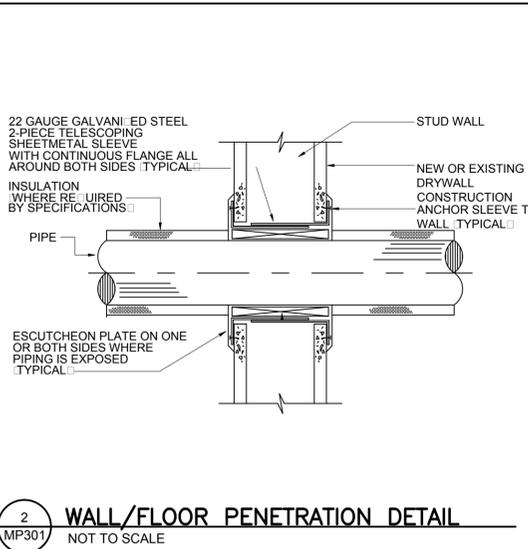
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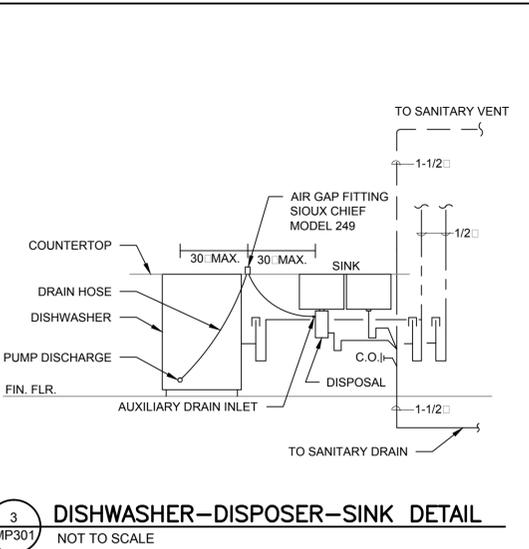
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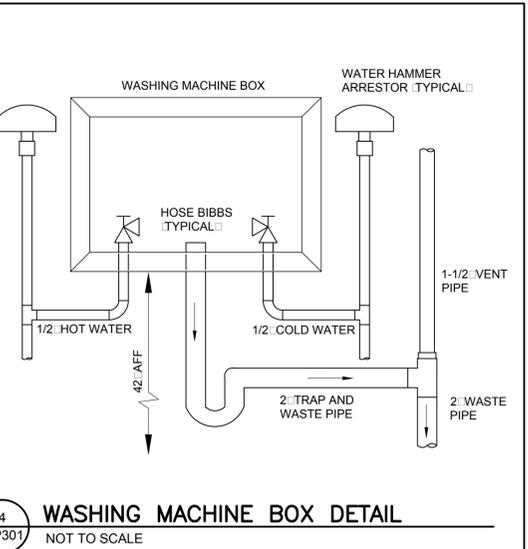
1 FINNED TUBE RADIATION DETAIL
MP301 NOT TO SCALE



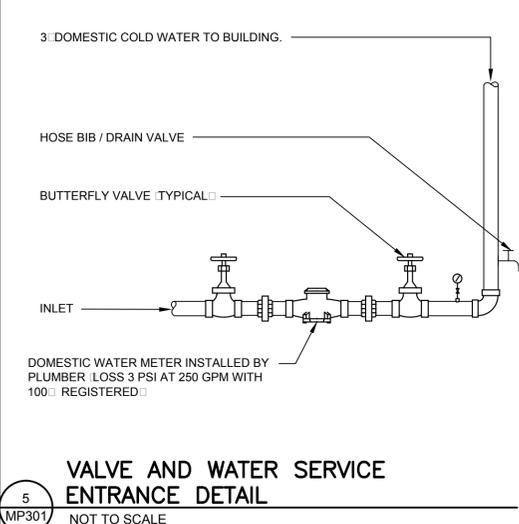
2 WALL/FLOOR PENETRATION DETAIL
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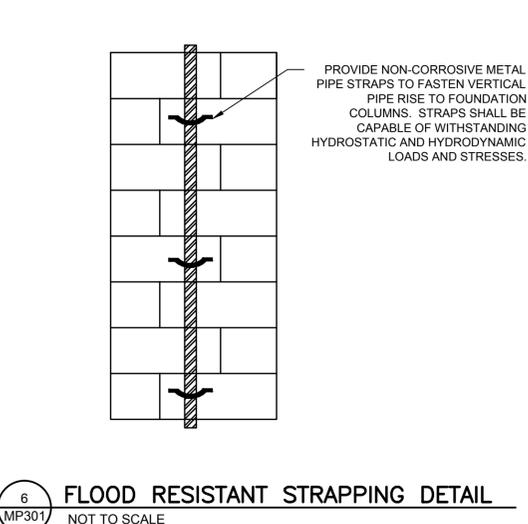
3 DISHWASHER-DISPOSER-SINK DETAIL
MP301 NOT TO SCALE



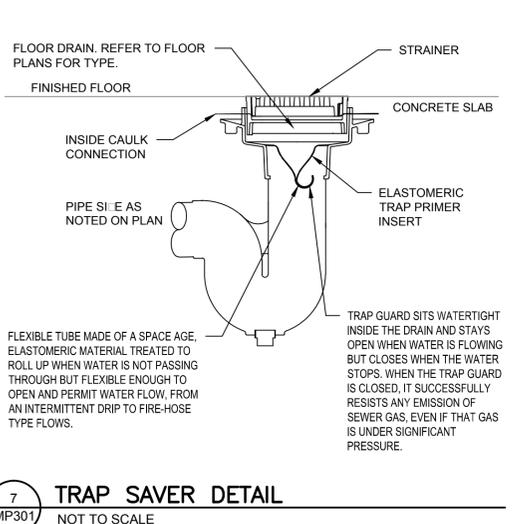
4 WASHING MACHINE BOX DETAIL
MP301 NOT TO SCALE



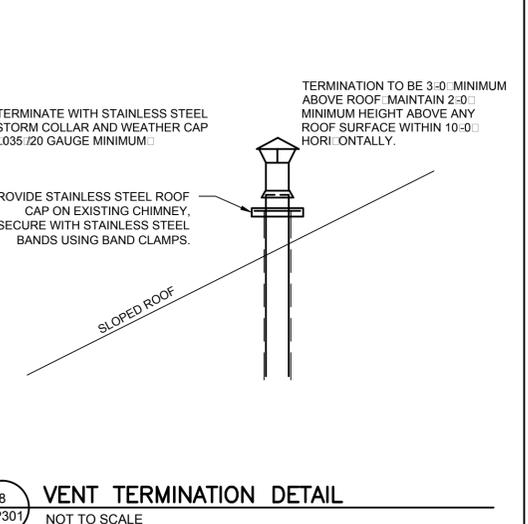
5 VALVE AND WATER SERVICE ENTRANCE DETAIL
MP301 NOT TO SCALE



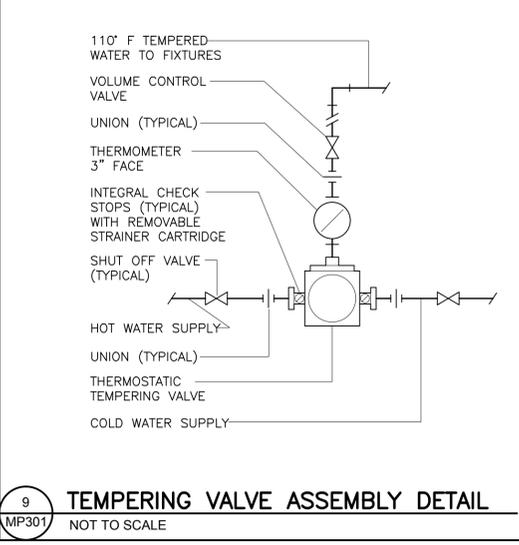
6 FLOOD RESISTANT STRAPPING DETAIL
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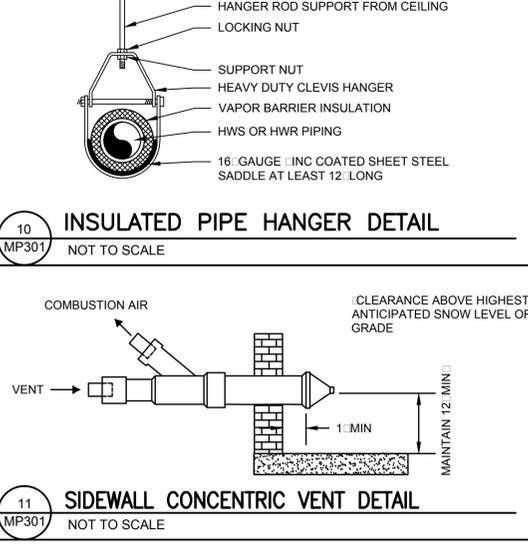
7 TRAP SAVER DETAIL
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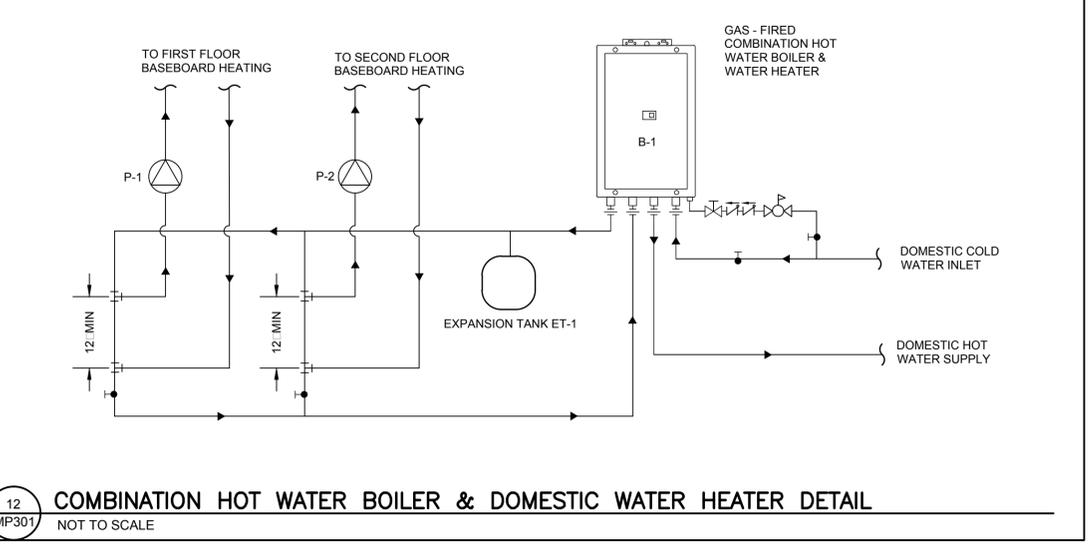
8 VENT TERMINATION DETAIL
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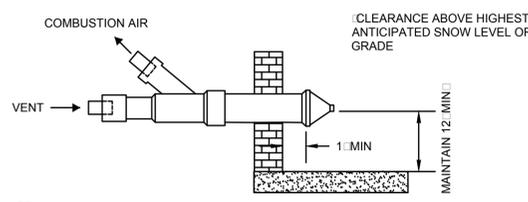
9 TEMPERING VALVE ASSEMBLY DETAIL
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10 INSULATED PIPE HANGER DETAIL
MP301 NOT TO SCALE

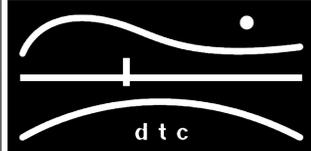


12 COMBINATION HOT WATER BOILER & DOMESTIC WATER HEATER DETAIL
MP301 NOT TO SCALE



11 SIDEWALL CONCENTRIC VENT DETAIL
MP301 NOT TO SCALE

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SHEET:
MP-301

SYMBOL	DESCRIPTION
	SURFACE MOUNTED PANELBOARD
	BRANCH CIRCUIT POWER WIRING
	BRANCH CIRCUIT HOME RUN
	SWITCHED WIRING
	RECEPTACLE OUTLET FOR DRYER
	DUPLEX RECEPTACLE OUTLET
	EXISTING DUPLEX RECEPTACLE OUTLET
	RELOCATED DUPLEX RECEPTACLE OUTLET
	DUPLEX RECEPTACLE OUTLET WITH GROUND-FAULT CIRCUIT-INTERRUPTER
	DUPLEX RECEPTACLE OUTLET WITH GROUND-FAULT CIRCUIT-INTERRUPTER MOUNTED ABOVE COUNTER
	DUPLEX RECEPTACLE OUTLET WITH GROUND-FAULT CIRCUIT-INTERRUPTER AND IN WEATHERPROOF ENCLOSURE
	DUPLEX RECEPTACLE OUTLET MOUNTED ABOVE COUNTER FOR MICROWAVE OVEN
	DUPLEX RECEPTACLE OUTLET FOR REFRIGERATOR
	DUPLEX RECEPTACLE OUTLET FOR WASHING MACHINE
	CEILING MOUNTED DUPLEX RECEPTACLE WITH GROUND-FAULT CIRCUIT-INTERRUPTER
	CEILING/WALL MOUNTED JUNCTION BOX
	MOTOR, SEE SCHEDULE ON DWG E-001
	SURFACE MOUNTED LIGHTING FIXTURE
	WALL MOUNTED LIGHTING FIXTURE
	RECESSED DOWNLIGHT
	SINGLE POLE SWITCH
	SINGLE POLE SWITCH IN WEATHERPROOF ENCLOSURE
	THREE WAY SWITCH
	THREE WAY SWITCH IN WEATHERPROOF ENCLOSURE
	UTILITY METER
	MULTI-STATION SMOKE DETECTOR
	MULTI-STATION HEAT DETECTOR
	MULTI-STATION COMBINATION SMOKE/CARBON MONOXIDE DETECTOR
	WALL MOUNTED TELEPHONE OUTLET
	CATV OUTLET

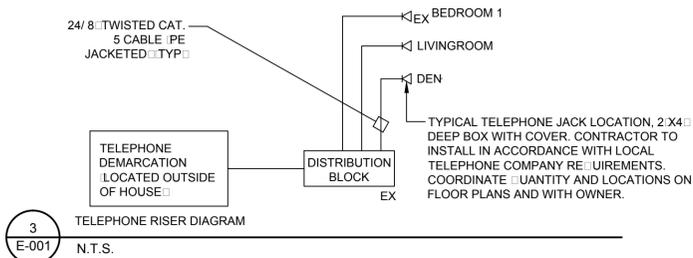
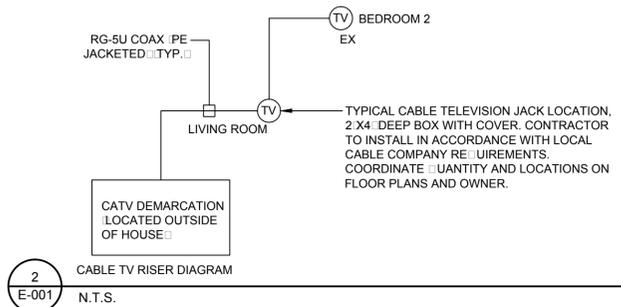
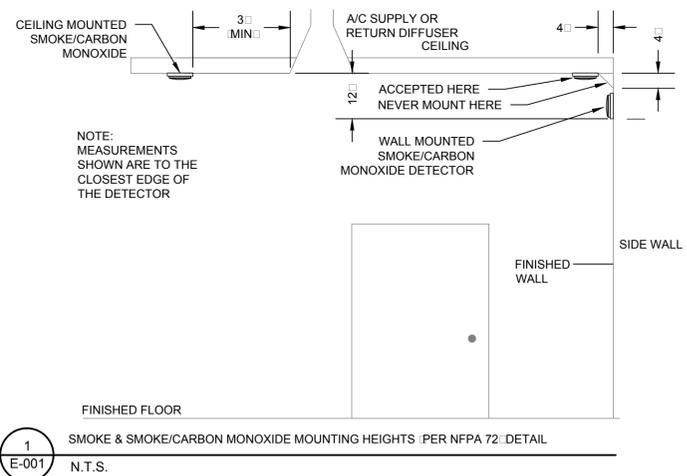
ABBREVIATIONS	DESCRIPTION
A	AMPERES
AC	ALTERNATING CURRENT (60 HZ)
A/C	AIR CONDITIONING
AHJ	AUTHORITY HAVING JURISDICTION
AFF	ABOVE FINISHED FLOOR
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CATV	CABLE TV
CU	COPPER
DR	DRYER
DWG	DRAWING
ER	EXISTING RELOCATED
EX	EXISTING TO REMAIN
FLA	FULL LOAD AMPS
GFI	GROUND-FAULT CIRCUIT-INTERRUPTER
HP	HORSEPOWER
J	JUNCTION
KV	KILOVOLT AMPERE
KVA	KILOVOLT AMPERE
M	METER
MC	METAL CLAD
MCA	MINIMUM CIRCUIT AMPACITY
MW	MICROWAVE OVEN
NEC	NATIONAL ELECTRIC CODE
NECA	NATIONAL ELECTRICAL CONTRACTORS ASSOC.
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOC.
NM/NM-B	NONMETALLIC SHEATHED
N.T.S.	NOT TO SCALE
OCP	OVERCURRENT PROTECTION
P	POLE
PVC	POLYVINYL CHLORIDE
REF	REFRIGERATOR
TYP	TYPICAL
UL	UNDERWRITERS LABORATORY
U.O.N.	UNLESS OTHERWISE NOTED
V	VOLTS
VA	VOLT-AMPERES
W	WATTS
WM	WASHING MACHINE
WP	WEATHERPROOF
□	NUMBER
□	FEET
□	INCHES

DRAWING LIST	
SHEET	NAME
E-001	ELECTRICAL NOTES, LEGENDS, ABBREVIATIONS, DETAILS & SCHEDULES
E-100	ELECTRICAL GROUND & FIRST FLOOR PLANS
E-101	ELECTRICAL SECOND FLOOR PLAN

- ### ELECTRICAL GENERAL NOTES
- UNLESS OTHERWISE INDICATED, FURNISH AND INSTALL A COMPLETE AND OPERATIONAL ELECTRICAL SYSTEM INCLUDING ALL NECESSARY MATERIAL, LABOR, AND EQUIPMENT.
 - ELECTRICAL PLANS AND DETAILS, AND ONE LINE DIAGRAMS SHOW THE GENERAL LOCATION AND ARRANGEMENT OF THE ELECTRICAL SYSTEM. THEY ARE DIAGRAMMATIC AND DO NOT SHOW ALL CONDUIT BODIES, CONNECTORS, BENDS, FITTINGS, HANGERS, AND ADDITIONAL PULL AND JUNCTION BOXES WHICH THE CONTRACTOR MUST PROVIDE TO COMPLETE THE ELECTRICAL SYSTEM.
 - FURNISH AND INSTALL A TEMPORARY ELECTRICAL SERVICE FOR ELECTRICAL POWER DURING CONSTRUCTION.
 - ALL EQUIPMENT AND MATERIAL SHALL BE LABELED AND LISTED, AND INSTALLED IN ACCORDANCE WITH THEIR LISTING.
 - THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND ARRANGE FOR ALL REQUIRED INSPECTIONS IN ACCORDANCE WITH STATE GOVERNING AUTHORITIES.
 - ALL WORK SHALL BE DONE WITH LICENSED WORKMEN IN ACCORDANCE WITH STATE GOVERNING AUTHORITIES.
 - THE DEFINITION OF ELECTRICAL TERMS USED SHALL BE AS DEFINED IN THE 2011 EDITION OF THE NATIONAL ELECTRIC CODE (NEC).
 - THE TERM INDICATED SHALL MEAN AS SHOWN ON CONTRACT DOCUMENTS (SPECIFICATIONS, DRAWINGS, AND RELATED ATTACHMENTS).
 - THE TERM SIZE SHALL MEAN ONE OR MORE OF THE FOLLOWING: LENGTH, CURRENT AND VOLTAGE RATING, NUMBER OF POLES, NEMA SIZE, AND OTHER SIMILAR ELECTRICAL CHARACTERISTICS.
 - ELECTRICAL PLANS AND DETAILS DO NOT SHOW ALL INTERFERENCES AND CONDITIONS, VISIBLE AND/OR HIDDEN, THAT MAY EXIST. THIS REQUIRES THE CONTRACTOR TO INSPECT AND SURVEY THE SPACE BEFORE PERFORMING THE WORK.
 - COORDINATE ELECTRICAL WORK WITH OWNER.
 - COORDINATE ELECTRICAL WORK WITH OTHER DIVISIONS OF THIS PROJECT.
 - BEFORE SELECTING MATERIAL AND EQUIPMENT, AND PROCEEDING WITH WORK, INSPECT AREAS WHERE MATERIAL AND EQUIPMENT ARE TO BE INSTALLED TO INSURE SUITABILITY, AND CHECK NEEDED SPACE FOR PLACEMENT, CLEARANCES AND INTERCONNECTIONS.
 - BEFORE CUTTING OR DRILLING INTO BUILDING ELEMENTS INSPECT AND LAYOUT WORK TO AVOID DAMAGING STRUCTURAL ELEMENTS AND BUILDING UTILITIES.
 - ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC) ANS/NFPA 70 2011 EDITION.
 - TYPICAL MOUNTING HEIGHTS OF DEVICES SHALL COMPLY NECA 1-2010.
 - PENETRATIONS THROUGH GROUND SLAB SHALL BE SEALED WITH POLYURETHANE SEALANT TYPICAL FOR ALL PENETRATIONS.
 - FURNISH AND INSTALL MEANS OF DISCONNECTION FOR ALL MOTOR-LED EQUIPMENT AND APPLIANCES IN ACCORDANCE WITH NEC.

LIGHT FIXTURE SCHEDULE					
TYPE	BASE OF DESIGN	DESCRIPTION	VOLTAGE	LAMPS	REMARKS
A	COLUMBIA LIGHTING LXEM-4-35ML-RFA-EU	SURFACE MOUNTED LIGHTING FIXTURE, WET LOCATION LISTED, ENERGY STAR RATED AND RESISTANT TO SALT SPARY	120V	53W LED DRIVER	1,2,3,4
B	EFFICIENT LIGHTING EL-158	EXTERIOR WALL MOUNTED LIGHTING FIXTURE WITH FULL CUT OFF, WET LOCATION LISTED, ENERGY STAR RATED, CONTROLLED BY INTEGRAL OCCUPANCY SENSOR AND RESISTANT TO SALT SPRAY	120V	23W	1,2,3,4
C	LITHONIA LIGHTING 6BP	6 RECESSED DOWNLIGHT WITH MATTE WHITE FINISH, ALUMINUM DIE CAST REFLECTOR, DIFFUSED LENS, AND 3000K COLOR TEMPERATURE.	120V	8.9W LED	1,2,3,4

NOTES:
1. ALL NECESSARY MOUNTING HARDWARE, HANGERS, BRACKETS, STEMS, CHAINS, ETC. SHALL BE PROVIDED.
2. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS, ARRANGEMENTS, EXACT LOCATIONS, CEILING HEIGHTS, ETC. ALL COLORS AND FINISHES SHALL BE VERIFIED BY THE ARCHITECT.
3. FIXTURES SHALL BE SEISMICALLY SUPPORTED AS REQUIRED BY THE CONNECTICUT STATE BUILDING CODE.
4. FIXTURES SHOWN ARE FOR BASIS OF DESIGN ONLY. CONTRACTOR SHALL MEET THE CRITERIA OF THE FIXTURES SHOWN IN THE DESCRIPTIONS ABOVE.



NOTES:

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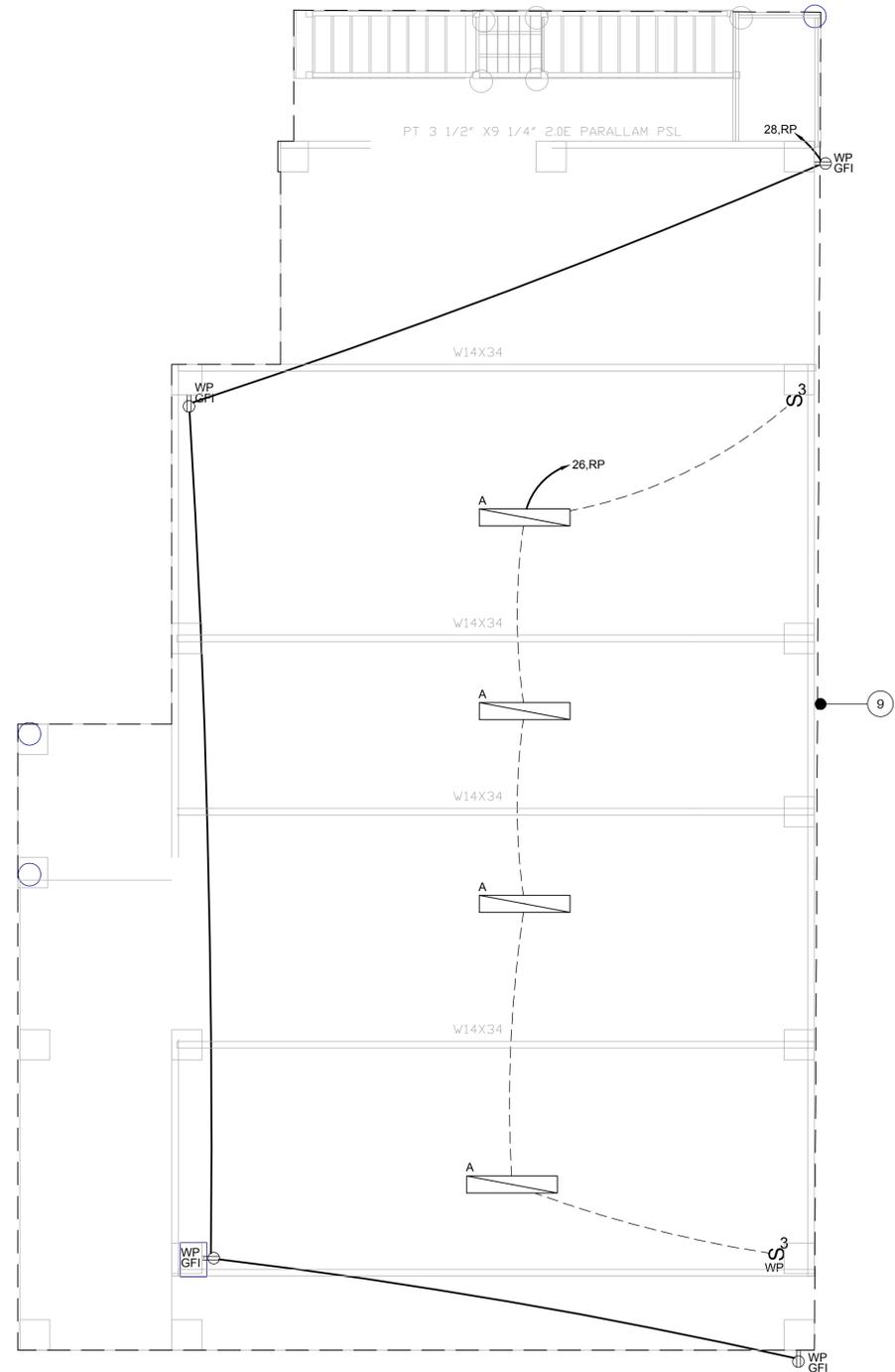
OORR
APPLICATION NO. 1383
SCHMID RESIDENCE
54 MILFORD POINT RD
MILFORD, CT

ELECTRICAL NOTES,
LEGENDS, ABBREVIATIONS,
DETAILS & SCHEDULES

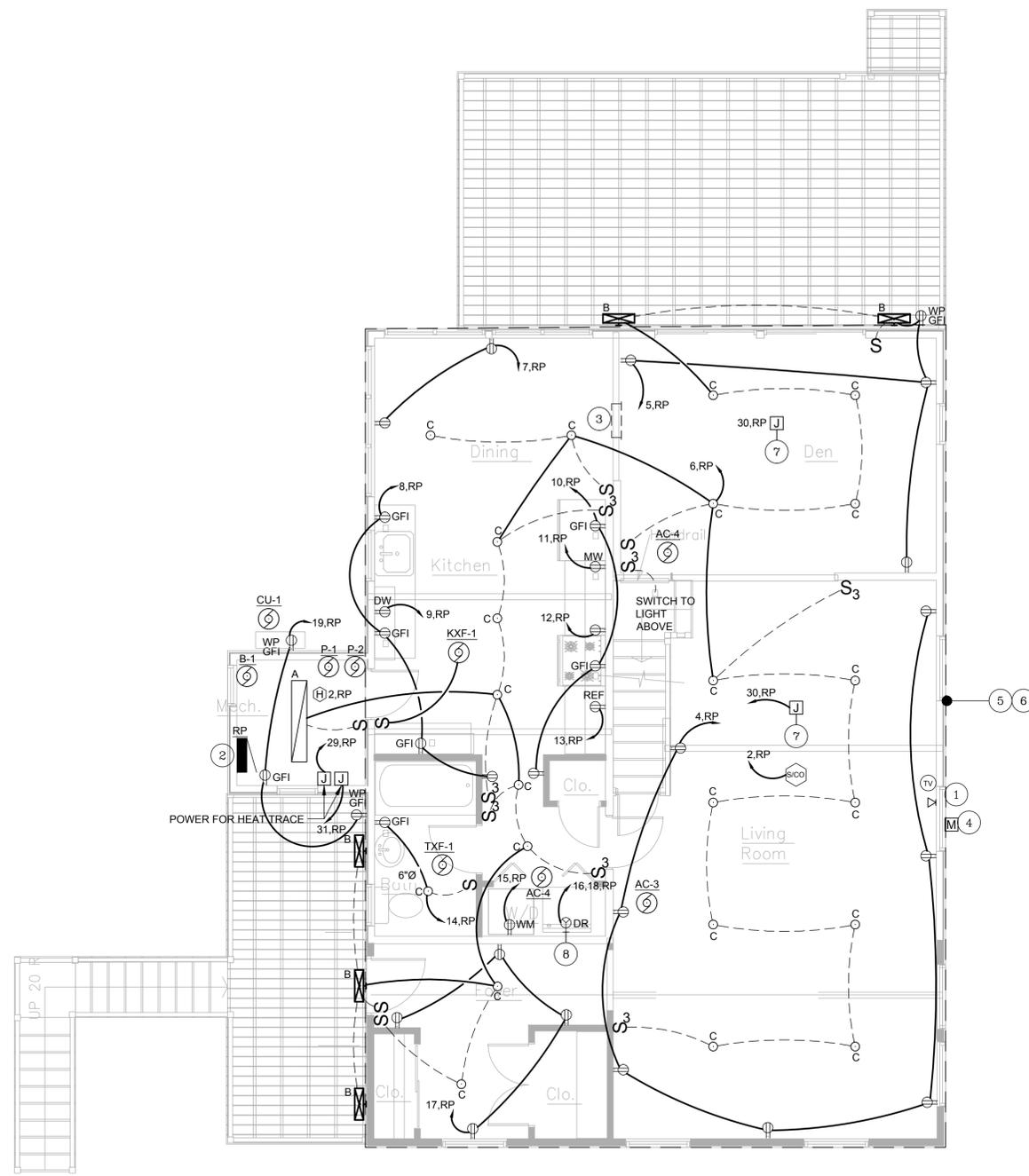
DTC PROJECT NUMBER: 13-449-028
DTC DRAWING FILE:

SCALE: NONE DRAWN BY: WM
DATE: 9/1/2014 CHECKED BY: JP

SHEET:
E-001



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



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

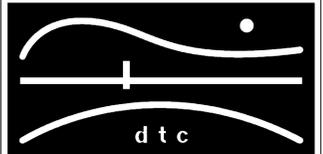


GENERAL NOTES

1. ALL CIRCUITS ON THIS DRAWING SHALL BE SIZED 2:12, #12G AND SHALL BE CONNECTED TO NEW 20A-1P CIRCUIT BREAKER IN SOURCE PANEL, U.O.N.
2. ALL 120VAC BRANCH CIRCUITS EXCEEDING 100' IN LENGTH SHALL BE INCREASED TO 2:10, #10G UNLESS OTHERWISE NOTED.
3. REFER TO DWG E-001 FOR SYMBOL LEGEND, ABBREVIATIONS AND LIGHTING FIXTURE SCHEDULE.
4. REFER TO DWG E-101 FOR ELECTRICAL KEY NOTES, WIRING SCHEDULE AND PANEL SCHEDULE.
5. IF 2011 NEC REQUIRED GROUNDING IS NOT PRESENT ON EXISTING OUTLETS TO BE REPLACED, THE REPLACEMENT OUTLETS SHALL BE GFI TYPE, OR PROPER GROUNDING SHALL BE PROVIDED VIA ANOTHER METHOD ACCEPTABLE TO AHJ.
6. ALL BRANCH CIRCUIT USED INDOORS SHALL BE WIRED WITH NM CABLE U.O.N. REFER TO FEEDER SCHEDULE ON DRAWING E-101 FOR SIZING.
7. ALL EQUIPMENT AND DEVICES LOCATED OUTDOORS SHALL BE CIRCUITED WITH CONDUIT AND WIRING. REFER TO FEEDER SCHEDULE ON DWG E-101 FOR SIZING.
8. CONTRACTOR SHALL CUT, PATCH AND PAINT ALL EXISTING AREAS THAT ARE AFFECTED BY NEW CONSTRUCTION.
9. ALL SMOKE, HEAT AND COMBINATION SMOKE/CARBON MONOXIDE DETECTORS SHALL BE WIRED TOGETHER WITH 12/3 NM-B CABLE.
10. ALL 125-VOLT 15 AND 20 AMP RECEPTACLES LOCATED AT 5 1/2' AFF OR BELOW SHALL BE TAMPER RESISTANT TYPE.

NOTES:

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APPLICATION NO. 1383
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**ELECTRICAL
GROUND & FIRST
FLOOR PLANS**

DTC PROJECT NUMBER: 13-449-028

DTC DRAWING FILE:

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

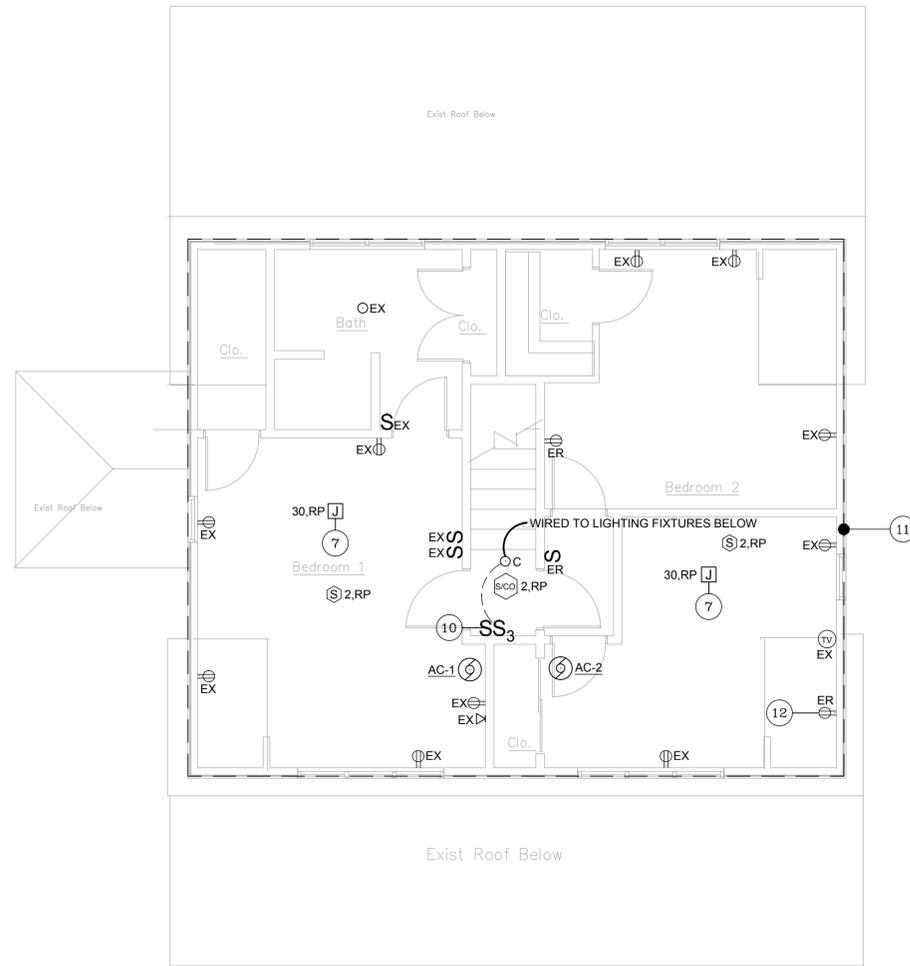
DRAWN BY: WM

DATE: 9/1/2014

CHECKED BY: JP

SHEET:

E-100



- ### ELECTRICAL KEYNOTES #
- DISCONNECT, CUT TO PROPER LENGTH AND RE-CONNECT TELEPHONE AND CABLE TV SERVICE ENTRANCE WIRING TO ACCOMMODATE LIFTING OF HOUSE. EQUIPMENT SHALL BE ABOVE THE 500 YEAR FLOOD PLANE. COORDINATE ALL WORK, INCLUDING SERVICE ENTRANCE EQUIPMENT MOUNTING HEIGHTS WITH ASSOCIATED UTILITY COMPANIES.
 - PROVIDE NEW 100A, 240/120V ELECTRICAL PANEL. PANEL SHALL INCLUDE CIRCUIT BREAKER SIZES AND QUANTITIES TO MATCH EXISTING, PLUS ANY NEW BREAKERS CALLED OUT ON THE CONTRACT DOCUMENTS. PROVIDE NEW SERVICE GROUNDING ELECTRODE CONDUCTORS AND CONNECTIONS PER NEC ARTICLE 250.
 - EXISTING PANELBOARD TO BE REMOVED AND REPLACED WITH NEW IN NEW. EXISTING FEEDER TO BE EXTENDED TO NEW PANELBOARD LOCATION. ALL EXISTING BRANCH CIRCUITING TO REMAIN SHALL BE RE-WIRED TO PANELBOARD RP AND EXTENDED AS REQUIRED.
 - DISCONNECT, CUT TO PROPER LENGTH AND RE-CONNECT SERVICE ENTRANCE THROUGH WEATHERHEAD TO METER TO ACCOMMODATE LIFTING OF HOUSE. EQUIPMENT SHALL BE ABOVE THE 500 YEAR FLOOD PLANE. COORDINATE ALL WORK, INCLUDING CONFIRMING PROPER MOUNTING HEIGHT OF METER, WITH THE UTILITY COMPANY. PROVIDE NEW 100 AMP RATED SERVICE ENTRANCE WIRING FROM METER TO NEW PANEL LOCATION.
 - REMOVE ALL EXISTING RECEPTACLES, WALL SWITCHES AND THEIR ASSOCIATED BOXES AND WIRING IN THIS AREA PROVIDE NEW OUTLETS AND CIRCUITING AS SHOWN.
 - REPLACE ALL EXISTING WIRING IN CRAWLSPACE BENEATH FIRST LEVEL DUE TO IMMERSION IN SALTWATER. NEW WIRING SIZE AND QUANTITY TO MATCH EXISTING.
 - PROVIDE JUNCTION BOX AND WIRING FOR CEILING FAN.
 - PROVIDE NEMA 10-30R RECEPTACLE FOR DRYER.
 - PVC CONDUIT AND WIRING SHALL BE USED FOR ALL DEVICES IN LOCATED IN THE BASEMENT.
 - REMOVE EXISTING WALL SWITCH AND ASSOCIATED BOX AND WIRING BACK TO EXISTING PANELBOARD.
 - ALL EXISTING RECEPTACLES IN BEDROOMS SHALL BE REPLACED WITH TAMPER-RESISTANT RECEPTACLES. EXISTING WIRING TO REMAIN.
 - RELOCATE EXISTING RECEPTACLE EXTEND CABLING AS REQUIRED FOR NEW DEVICE LOCATION.

PANELBOARD RP											
CLASS: ● Lighting ○ Distribution					SERATING NO						
BUS SIZE 100A					MOUNTING RECESSED						
VOLTAGE CLASS: 240/120V, 1 Ø, 3W					CB TYPE 100A						
SCR (FULLY RATED) 22 KAIC					FEEDER ENTRANCE TOP						
					LOCATION KITCHEN						
BREAKER		PHASE LOAD - KVA						BREAKER			
#	A	P	DESCRIPTION	LOAD	A	B	LOAD	DESCRIPTION	A	P	#
1	15	1	EXIST. BEDROOM LOADS	1.26	1.31		0.05	SMOKE/CO DETECTORS	20	1	2
3	15	1	EXIST. BEDROOM LOADS	0.90		2.16	1.26	LIVINGROOM RECPTS	20	1	4
5	20	1	DEN RECPTS	0.72	1.36		0.64	LIGHTING	20	1	6
7	20	1	DINNING ROOM RECPTS	0.36		1.08	0.72	KITCHEN RECPTS	20	1	8
9	20	1	DISHWASHER	1.00	1.54		0.54	KITCHEN RECPTS	20	1	10
11	20	1	MICROWAVE OVEN	1.50		1.86	0.36	HOOD & RANGE	20	1	12
13	20	1	REFRIGERATOR	1.20	1.40		0.20	BATHROOM LTG & RECPTS	20	1	14
15	20	1	WASHER	1.20		3.20	2.00	DRYER	30	2	16
17	20	1	FOYER RECPTS	0.54	2.54		2.00	-	-	-	18
19	20	1	MECH RM & OUTDOOR RECPTS	0.54		0.75	0.21	B-1 KXF-1, TXF-1	20	1	20
21	15	2	AC-3, AC-4	0.04	0.08		0.04	AC-1, AC-2	15	2	22
23	-	-	-	0.04		0.08	0.04	-	-	-	24
25	20	2	CU-1	1.75	1.96		0.21	BASEMENT LIGHTING	20	1	26
27	-	-	-	1.75		2.47	0.72	BASEMENT RECEPTACLES	20	1	28
29	20	1	HEAT TRACE	0.10	0.28		0.18	CEILING FAN J-BOX	20	1	30
31	20	1	HEAT TRACE	0.10		0.77	0.67	P-1, P-2	20	1	32
33	-	-	-	-	-	-	-	-	-	-	34
35	-	-	-	-	-	-	-	-	-	-	36
37	-	-	-	-	-	-	-	-	-	-	38
39	-	-	-	-	-	-	-	-	-	-	40
41	-	-	-	-	-	-	-	-	-	-	42
TOTAL LOAD PER PHASE:				10.5	12.4						
TOTAL LOAD ON PANEL:				22.84				KVA			
NOTE 1. ALL EXISTING BEDROOM CIRCUITS SHALL BE WIRED TO NEW AFCI CIRCUIT BREAKERS.											

MOTOR CIRCUIT SCHEDULE

EQUIPMENT	SOURCE PANEL	OCP DEVICE	BRANCH CIRCUIT	DISC SW	STARTER	LOAD					REMARKS
						HP/KW	FLA	MCA	PH	VOLT	
AC-1	22,24,RP	15A-2P	2:14, #14G	STOL	DIV. 23			.2A	1	208V	2,3,4,5
AC-2	22,24,RP	15A-2P	2:14, #14G	STOL	DIV. 23			.2A	1	208V	2,3,4,5
AC-3	21,23,RP	15A-2P	2:14, #14G	STOL	DIV. 23			.2A	1	208V	2,3,4,5
AC-4	21,23,RP	15A-2P	2:14, #14G	STOL	DIV. 23			.2A	1	208V	2,3,4,5
B-1	20,RP	20A-1P	2:12, #12G	STOL	DIV. 23	200W			1	208V	2,3,4,5
CU-1	25,27,RP	20A-2P	2:12, #12G, 3/4 C.	20A-2P	DIV. 23			16.8A	1	208V	1,3,4
KXF-1	20,RP	15A-1P	2:12, #12G	STOL	DIV. 23	7.7W			1	120V	2,3,4,5
P-1	32,RP	20A-1P	2:12, #12G	STOL	DIV. 23	1/8 HP			1	115V	2,3,4,5
P-2	32,RP	20A-1P	2:12, #12G	STOL	DIV. 23	1/8 HP			1	115V	2,3,4,5
TXF-1	20,RP	15A-1P	2:12, #12G	STOL	DIV. 23	4.9W			1	120V	2,3,4,5

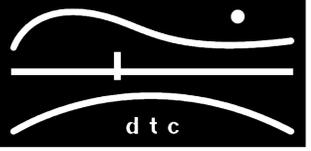
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 - ALL 125-VOLT 15 AND 20 AMP RECEPTACLES LOCATED AT 5 1/2' AFF OR BELOW SHALL BE TAMPER RESISTANT.

FEEDER SCHEDULE

INDOOR BRANCH CIRCUITS	CIRCUIT OR OVERCURRENT RATING 2 POLE	OUTDOOR BRANCH CIRCUITS	CIRCUIT OR OVERCURRENT RATING 2 POLE	SIZE CONDUIT
2:14&1:14G.	15A	2:12&1:12G.	15A	3/4"
2:12&1:12G.	20A	2:12&1:12G.	20A	3/4"
2:10&1:10G.	30A	2:10&1:10G.	30A	3/4"
SERVICE		3:1&1:6G.	100A	1-1/2"

NOTES:

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ELECTRICAL
SECOND FLOOR
PLAN

DTC PROJECT NUMBER: 13-449-028

DTC DRAWING FILE:

SCALE: 1/4"=1'-0" DRAWN BY: WM

DATE: 9/1/2014 CHECKED BY: JP

SHEET:

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