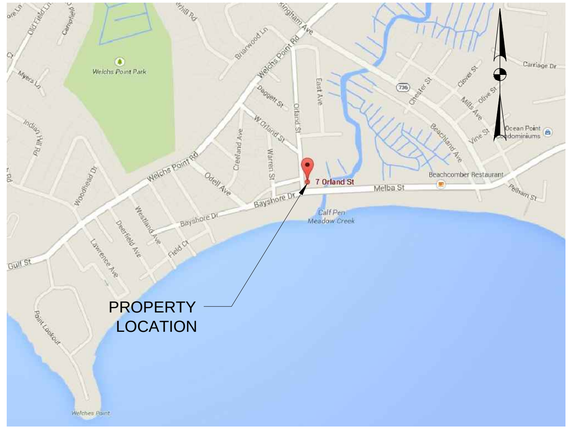
THE STATE OF CONNECTICUT

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 DANNEL P. MALLOY

APPLICATION NO. 1417
7 ORLAND ST.
MILFORD, CT 06460

9/26/2014

DRAWING INDEX

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E–100	ELECTRICAL FOUNDATION & DECK PLANS

IN THE AFTERMATH OF Superstorm Sandy
Department of Housing
CDBG-DR
Team Sandy
Rebuilding Together

QUI TRANSTULIT SUSTINET

CONNECTICUT DEPARTMENT OF HOUSING

NOTES:

REVISIONS

dtc
DIVERSIFIED TECHNOLOGY CONSULTANTS
2321 WHITNEY AVE HAMDEN CT 06518
203 239 4200 203 234 7376 FAX

OORR
APPLICATION NO. 1417
MILLER RESIDENCE
7 ORLAND ST.
MILFORD, CT

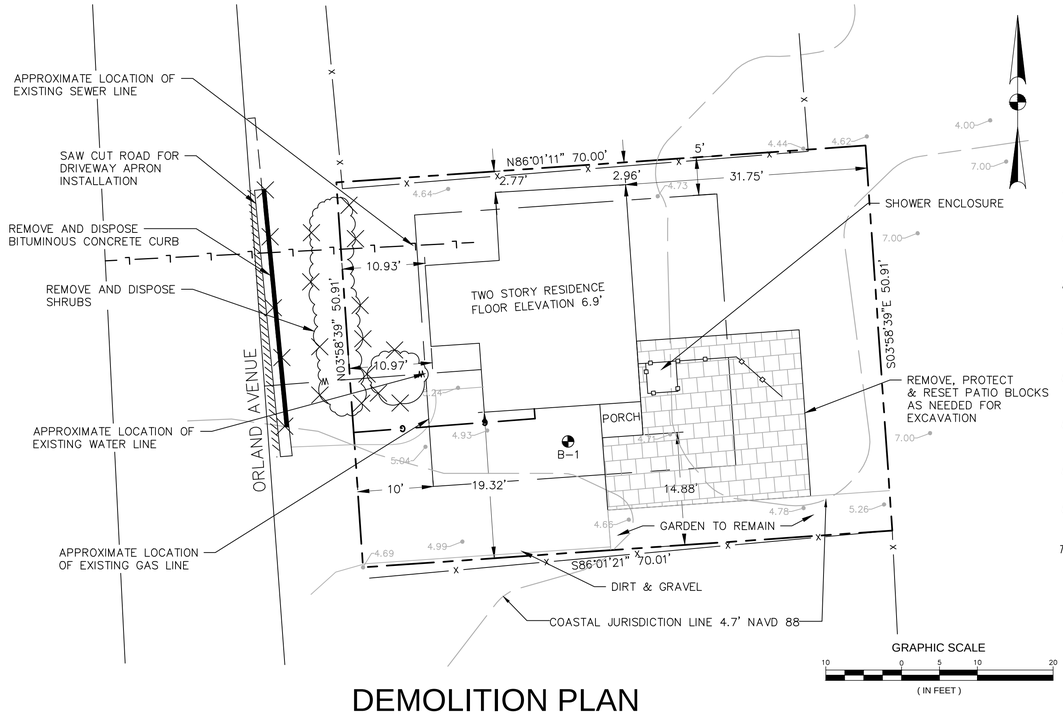
COVER SHEET

DTC PROJECT NUMBER: 13-449-010
DTC DRAWING FILE:
SCALE: NA
DRAWN BY:
DATE: 9/26/2014
CHECKED BY:
SHEET:

G-100

STANDARD	REQUIRED	EXISTING	PROPOSED
LOT AREA (S.F.) (MINIMUM)	5,000	3,564	EXIST. TO REMAIN
LOT WIDTH (MINIMUM)	50'	50.91'	EXIST. TO REMAIN
LOT DEPTH (MINIMUM)	70'	70'	EXIST. TO REMAIN
HEIGHT (MAXIMUM)	35'	±17'	26.58'
STORIES (MAXIMUM)	3	2	3
SETBACK FROM STREET LINE	*	10.93'	10.67'
SETBACK FROM REAR LINE	20'	31.75'	31.94'
SETBACK FROM SIDE LINE ONE SIDE	10' 5'	14.88' 2.77'	10.36' 2.80'
SETBACK FOR A RESIDENTIAL ACCESSORY BUILDING	8'	N.A.	EXIST. TO REMAIN
BUILDING AREA AS % LOT	45%	22.56%	25.39%
LOT COVERAGE (MAXIMUM)	65%	32.61%	37.23%

*10' OR ACTUAL FRONT YARD SETBACK, WHICHEVER IS GREATER SHALL NOT BE REQUIRED TO BE GREATER THAN 20'



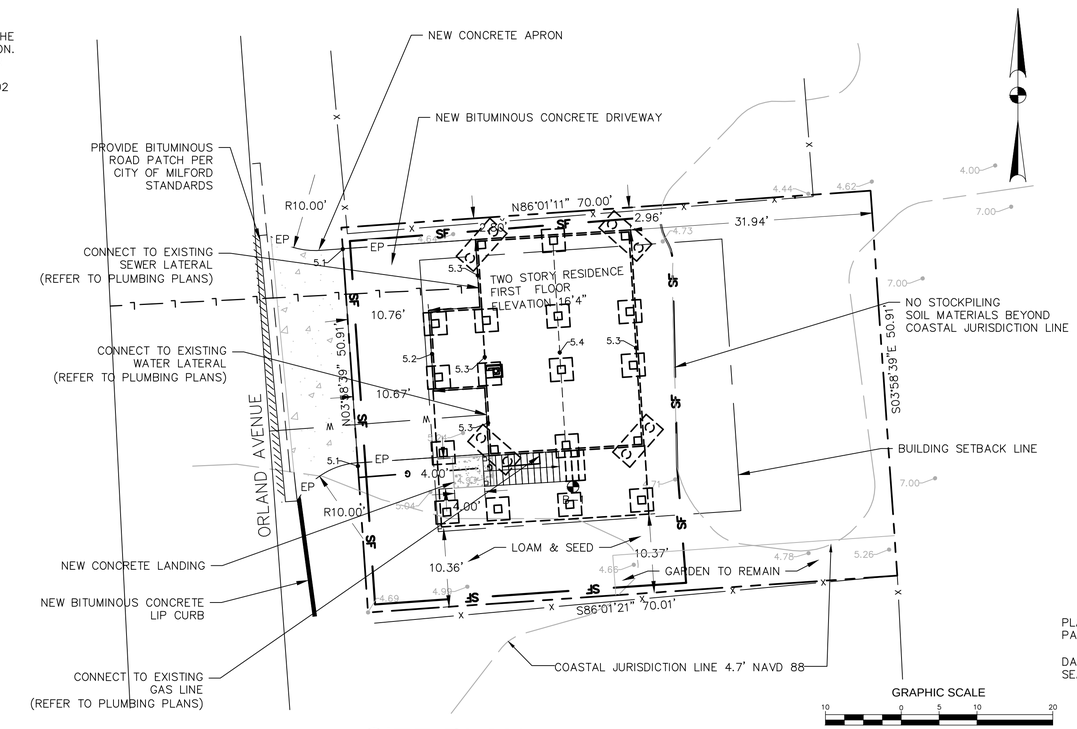
DEMOLITION PLAN

LEGEND

- Street Line
- Property Line
- Building Setback Line
- Silt Fence — SF —
- Chain Link Fence — x — x —
- Edge of Pavement — EP — EP — EP —
- Stockade Fence
- Item to be Demolished
- Deciduous Tree
- Existing Spot Elevation 6.10
- Proposed Spot Elevation 6.10
- Test Boring Location B-1

NOTES

1. CONTRACTOR TO SURVEY BUILDING AS IS AND IS RESPONSIBLE FOR ADHERING TO ZONING VARIANCES AND EXISTING NON-CONFORMING SETBACKS AS SHOWN ON THIS SHEET.
2. CONTRACTOR TO DEMOLISH EXISTING BITUMINOUS DRIVEWAY, GRADE TO MATCH EXISTING GRADE.
3. ALL DISTURBED AREAS NOT TO BE OTHERWISE PAVED OR COVERED SHALL BE LOAM & SEEDED.
4. CALL BEFORE YOU DIG – THE CONTRACTOR IS HEREBY REMINDED THAT THE CONNECTICUT GENERAL STATUES REQUIRE NOTICE TO UTILITY COMPANIES PENDING EXCAVATION AT OR NEAR PUBLIC UTILITIES. THE CONTRACTOR SHALL CALL 1-800-922-4455 AT LEAST 72 HOURS PRIOR TO EXCAVATING AT ANY LOCATION. A COPY OF THE CALL BEFORE YOU DIG PROJECT REFERENCE NUMBERS SHALL BE GIVEN TO THE OWNER PRIOR TO EXCAVATION.
5. SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL CONFORM TO THE STATE OF CONNECTICUT 2002 GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL AS AMENDED THROUGH BID DATE OF THIS PROJECT.



SITE PLAN

PLAN BASED ON SURVEY PREPARED BY
PAUL J. STOWELL LAND SURVEYING SERVICES

DATED: 6/13/2013
SEALED BY: PAUL J. STOWELL L.S. 70216

NOTES:

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OORR
APPLICATION NO. 1417
MILLER RESIDENCE
7 ORLAND ST.
MILFORD, CT

SITE PLANS

DTC PROJECT NUMBER: 13-449-010	
DTC DRAWING FILE:	
SCALE: AS NOTED	DRAWN BY: LEC
DATE: 9/26/2014	CHECKED BY: EPZ

SHEET:

C-100

CLARENCE WELTI ASSOC., INC.
P.O. BOX 397
GLASTONBURY, CONN 06033

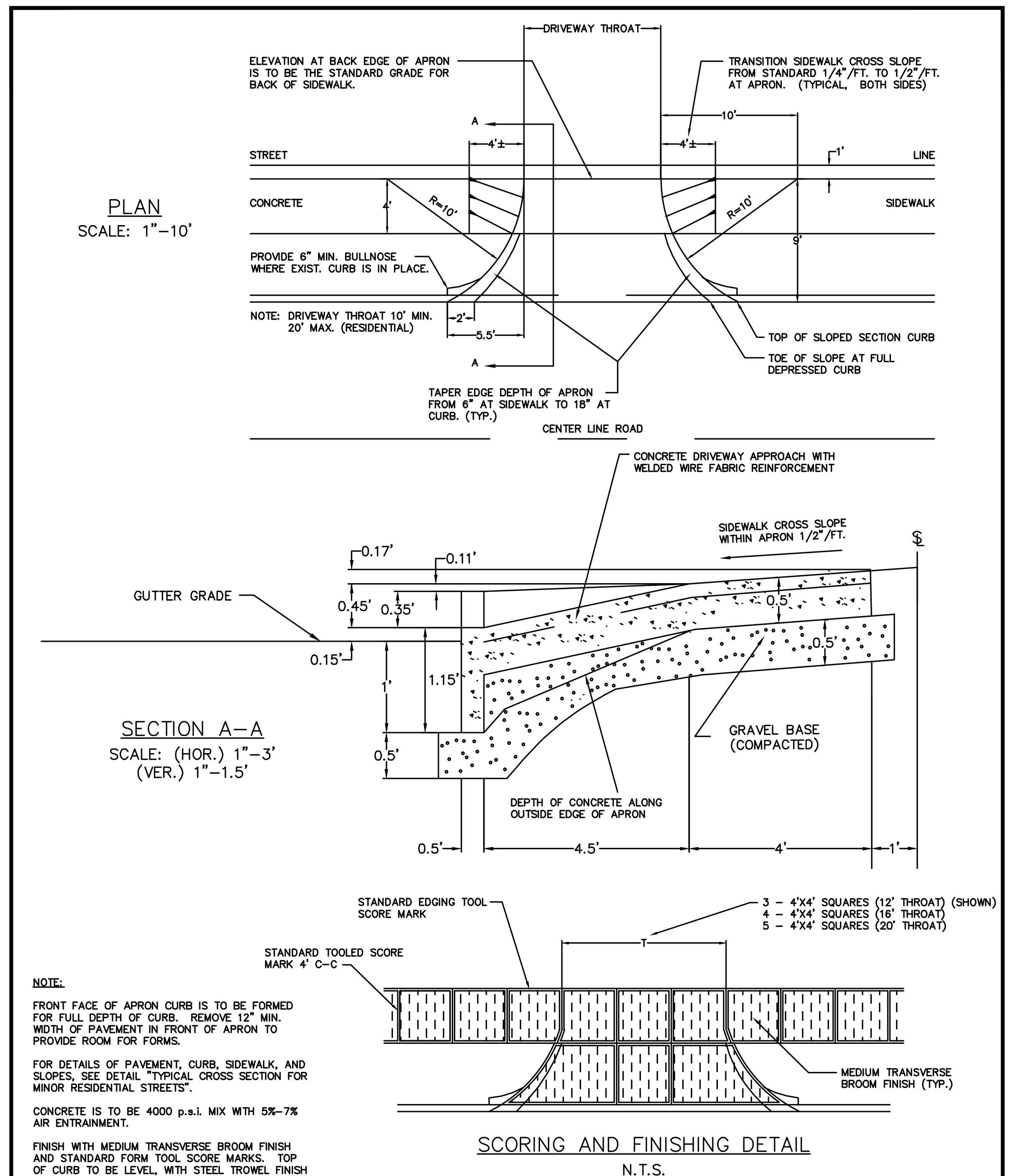
CLIENT	DTC	PROJECT NAME	MILLER RESIDENCE	
		LOCATION	7 ORLAND STREET, MILFORD, CT.	
OFFSET		SURFACE ELEV.	HOLE NO.	B-1
LINE & STA.		GROUND WATER OBSERVATIONS	START DATE	6/4/14
N. COORDINATE		AT 4.0 FT. AFTER 0 HOURS		
E. COORDINATE		AT FT. AFTER HOURS	FINISH DATE	6/4/14

	AUGER	CASING	SAMPLER	CORE BAR.
TYPE	HSA		SS	
SIZE I.D.	3.75"		1.375"	
HAMMER WT.			140 lbs	
HAMMER FALL			30"	

DEPTH	SAMPLE NO.	SAMPLE BLOWS/6"	SAMPLE DEPTH	A	STRATUM DESCRIPTION + REMARKS	ELEV.
0	1	4-5-4-2	0.00'-2.00'		BR. FINE-CRS. SAND, LITTLE GRAVEL, TRACE SILT - FILL	
	2	2-1-2-0	2.00'-4.00'			
					BLACK PEAT	3.5
	3	1-0-1-2	4.00'-6.00'			
5	4	1-1-1-1	6.00'-8.00'			
	5	3-10-30-35	8.00'-10.00'			
					GREY FINE-CRS. SAND, SOME SILT & GRAVEL	8.5
10						
15	6	15-19-18	15.00'-16.50'			
					BR. FINE-MED. SAND, SOME SILT	16.0
					BR. FINE SAND, SOME SILT	18.0
20	7	12-13-28	20.00'-21.50'			
					GREY FINE-CRS. SAND, SOME SILT, LITTLE GRAVEL, FEW COBBLES	21.0
25	8	60	25.00'-25.17'			
30	9	20-28-42	30.00'-31.50'			
					BOTTOM OF BORING @ 31.5'	31.5
35						

LEGEND: COL. A:
SAMPLE TYPE: D=DRY A=AUGER C=CORE U=UNDISTURBED PISTON S=SPLIT SPOON
PROPORTIONS USED: TRACE=0-10% LITTLE=10-20% SOME=20-35% AND=35-50%

DRILLER: T. CZMYR
INSPECTOR:
SHEET 1 OF 1 HOLE NO. **B-1**



NOTE:

FRONT FACE OF APRON CURB IS TO BE FORMED FOR FULL DEPTH OF CURB. REMOVE 12" MIN. WIDTH OF PAVEMENT IN FRONT OF APRON TO PROVIDE ROOM FOR FORMS.

FOR DETAILS OF PAVEMENT, CURB, SIDEWALK, AND SLOPES, SEE DETAIL "TYPICAL CROSS SECTION FOR MINOR RESIDENTIAL STREETS".

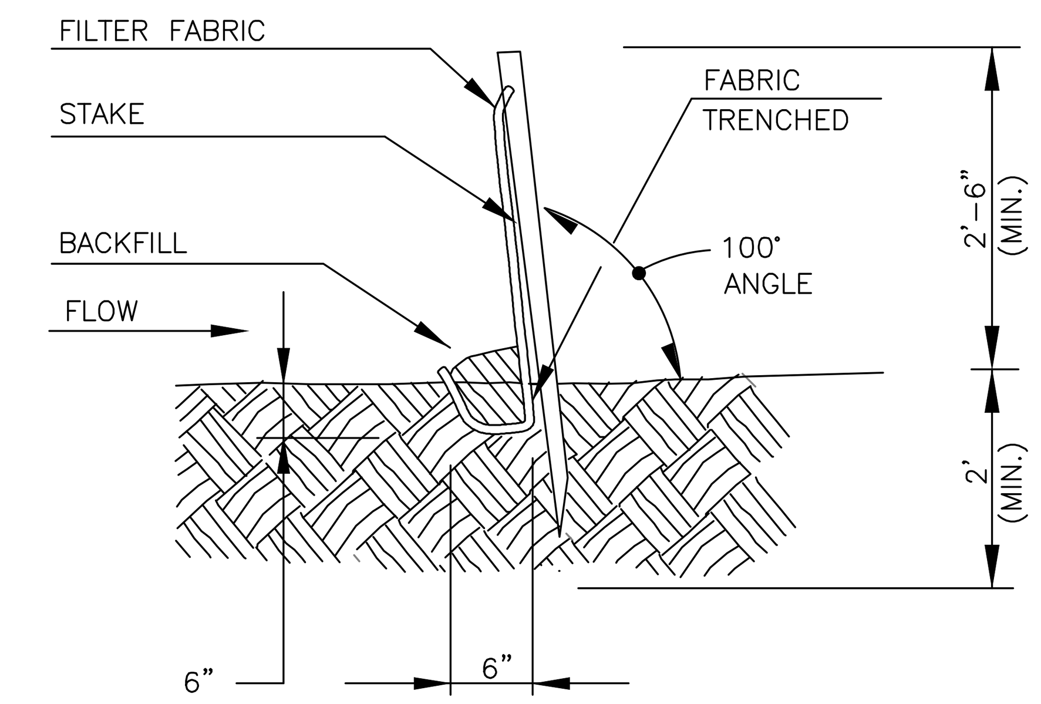
CONCRETE IS TO BE 4000 p.s.i. MIX WITH 5%–7% AIR ENTRAINMENT.

FINISH WITH MEDIUM TRANSVERSE BROOM FINISH AND STANDARD FORM TOOL SCORE MARKS. TOP OF CURB TO BE LEVEL, WITH STEEL TROWEL FINISH AND TOOLED EDGES.

REQUIREMENTS FOR BITUMINOUS DRIVEWAY APPROACH APRONS, WHEN PERMITTED, ARE SIMILAR WITH RESPECT TO PLAN DIMENSIONS, REQUIRED ELEVATIONS, AND SUBBASE MATERIAL. BITUMINOUS APRONS ARE TO BE CONSTRUCTED WITH A MIN. THICKNESS OF 2 1/2" COMPACTED DEPTH OF ACCEPTABLE BITUMINOUS MATERIAL.

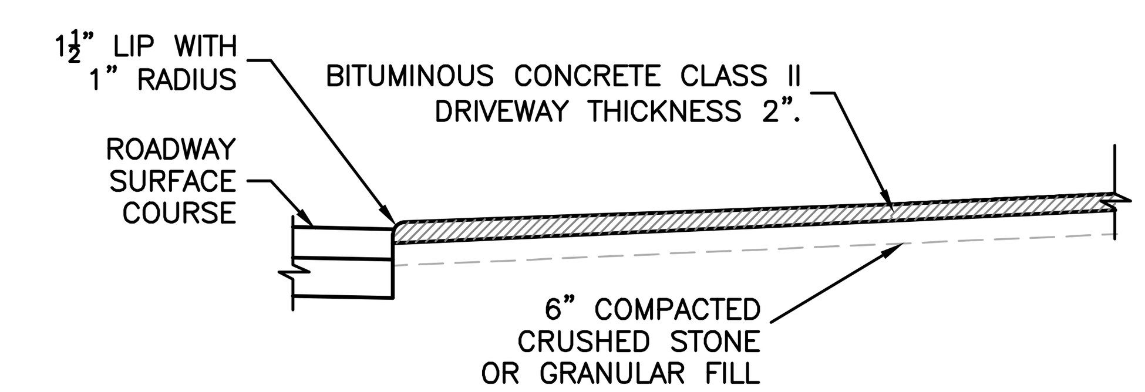
INFORMATION SHOWN ON THIS DETAIL WAS PREPARED FOR USE BY THE CITY OF MILFORD. RESPONSIBILITY FOR REUSE OF THIS INFORMATION RESIDES WITH THE USER. THE CITY OF MILFORD, ITS EMPLOYEES, ASSIGNS, OR AGENTS ARE TO BE HELD HARMLESS AGAINST ANY LIABILITY RESULTING FROM ANY OCCURENCE ASSOCIATED WITH THE REUSE OF THIS INFORMATION. ALTERATION OF THE STANDARD DETAIL IS STRICTLY UNAUTHORIZED WITHOUT APPROVAL OF THE CITY ENGINEER.

CONCRETE DRIVEWAY APPROACH STANDARD	*CITY OF MILFORD* *DEPT. OF PUBLIC WORKS* *ENGINEERING BUREAU* GARY W. WASSMER, P.E., L.S. CITY ENGINEER	SCALE: AS SHOWN DATE: 1/25/84 8/22/97 (REV.) SHEET: SK–7	

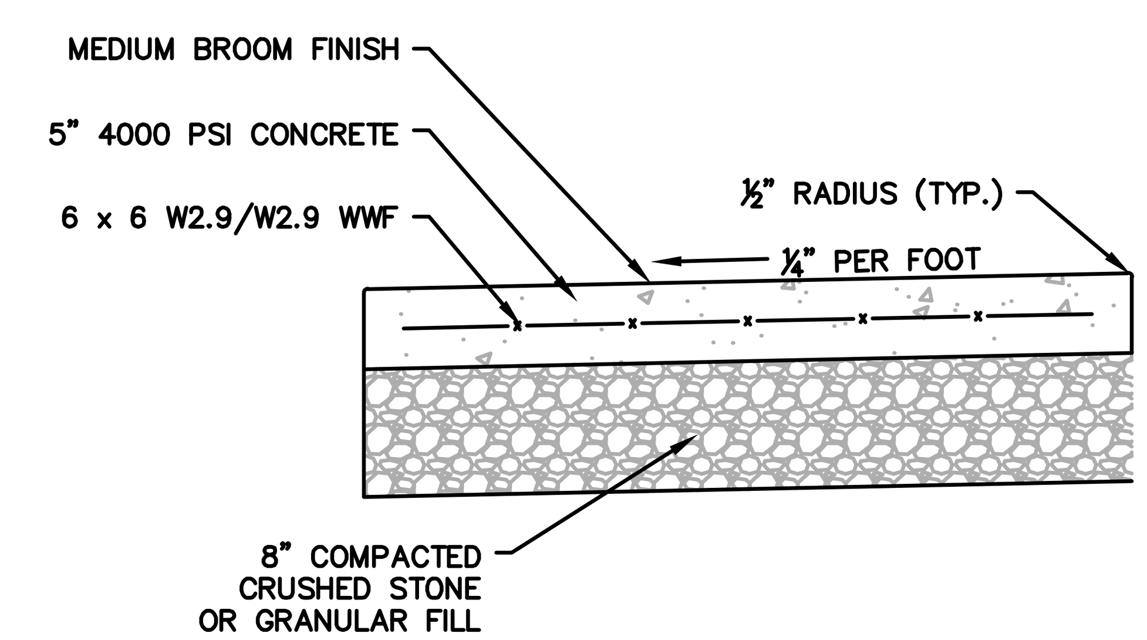


A. MINIMUM LENGTH OF SILT FENCE IS 15 FT.
B. MAXIMUM POST SPACING IS 8 FT.
C. JOINTS ONLY AT SUPPORT POST WITH MINIMUM 2 FT. OVERLAP, SECURELY SEALED.
D. SEDIMENTATION DEPOSITS SHALL BE REMOVED WHEN THEY REACH 1/2 THE HEIGHT OF THE SILT FENCE.
E. SILT FENCE SHALL NOT BE USED IN A WATER COURSE.
F. UPON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

1 SILT FENCE DETAIL



2 BITUMINOUS CONCRETE DRIVEWAY



3 CONCRETE LANDING

NOTES:

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DETAILS AND
BORING LOGS

DTC PROJECT NUMBER: 13-449-010	
DTC DRAWING FILE:	
SCALE: AS NOTED	DRAWN BY: LEC
DATE: 9/5/2014	CHECKED BY: EPZ

SHEET:
C-101

Sep 18, 2014 – 12:20pm
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lauren.coles

GENERAL NOTES

GENERAL

GOVERNING CODE: 2009 INTERNATIONAL RESIDENTIAL CODE OF THE INTERNATIONAL CODE COUNCIL.INC. WITH THE 2013 AMENDMENTS TO THE STATE CODE.

DESIGN LOADS:

NEW FLOOR AREAS:

FIRST FLOOR: DEAD LOAD 15 PSF
LIVE LOAD 40 PSF

DECKS: DEAD LOAD 15 PSF
LIVE LOAD 40 PSF

ROOF DEAD LOAD = 15 PSF

WIND LOAD CRITERIA FOR NEW, ALTERED, OR REPAIRED ELEMENTS:

BASIC WIND SPEED = 100 MPH, EXPOSURE CLASSIFICATION "D".

SEISMIC LOAD CRITERIA FOR NEW, ALTERED OR REPAIRED ELEMENTS.

SEISMIC DESIGN CATEGORY "B"

1. SHOULD ANY OF THE DETAILED INSTRUCTIONS SHOWN ON THE PLANS CONFLICT WITH THE GENERAL STRUCTURAL NOTES, THE SPECIFICATIONS, OR WITH EACH OTHER, THE STRICTEST PROVISION SHALL GOVERN.
2. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE AND TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIEDOWNS WHICH MIGHT BE NECESSARY. SUCH MATERIAL SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER COMPLETION OF THE PROJECT.
3. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, ANGLES AND EXISTING CONDITIONS BEFORE PROCEEDING WITH ANY WORK.
5. ALL SECTIONS AND DETAILS SHALL BE CONSIDERED TYPICAL AND APPLY FOR THE SAME AND SIMILAR SITUATIONS THROUGHOUT THE BUILDING, UNLESS OTHERWISE SPECIFICALLY NOTED.
6. NEW, ALTERED, OR REPAIRED ELEMENTS COMFORM TO THE 2009 INTERNATIONAL RESIDENTIAL CODE FOR ONE AND TWO FAMILY DWELLINGS INCLUDING THE CONNECTICUT 2013 AMMENDMENT TO THE STATE BUILDING CODE.
7. ELEVATION OF THE BOTTOM OF THE LOWEST HOROZONTAL STRUCTURAL MEMBER SHALL BE ELEVATION 16.0.

FOUNDATIONS

1. BOTTOM OF ALL EXTERIOR FOOTINGS SHALL BE AT LEAST 3'_6" BELOW FINISHED GRADE.
2. PLACEMENT OF ALL COMPACTED FILL MUST BE UNDER SUPERVISION OF AN APPROVED TESTING LABORATORY (SEE SPECIFICATIONS). CONCRETE FOUNDATIONS SHALL NOT BE PLACED UNTIL SUBBASE HAS BEEN CHECKED IN PLACE AND APPROVED BY TESTING LABORATORY.
3. CONTROL JOINT SPACING IN FOUNDATION WALLS SHALL NOT EXCEED 30 FEET. 50% OF HORIZONTAL REINFORCEMENT SHALL EXTEND THROUGH JOINT AND HAVE A CLASS "B" SPLICE (PER ACI 318-02).
4. WHERE REQUIRED, CONSTRUCTION JOINTS SHALL BE KEYED AND OCCUR AT CONTROL JOINT INTERVALS.

HELICAL MICROPILES

1. GENERAL NOTES ARE MEANT TO COMPLIMENT THE HELICAL PILE SPECIFICATIONS AND SHOULD BE CONFORMED TO DURING DESIGN AND INSTALLATION.
2. THE HELICAL PILE CONTRACTOR SHALL HAVE MINIMUM 5 YEARS EXPERIENCE IN PERFORMING DESIGN AND CONSTRUCTION OF HELICAL MICROPILES. THE CONTRACTOR SHALL PROVIDE A DESIGN OF THE HELICAL PILE TO MEET THE BELOW STANDARDS SIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF CONNECTICUT.
3. THE HELICAL PILE CONTRACTOR IS RESPONSIBLE FOR SELECTION OF CONSTRUCTION MEANS, METHODS, SEQUENCING AND VERIFYING ALL DIMENSIONS PRIOR TO CONSTRUCTION.
4. HELICAL MICROPILES SHALL BE DESIGNED FOR THE FOLLOWING ALLOWABLE LOADS:
   a. DESIGN/ALLOWABLE COMPRESSION LOAD PER PILE = 24 KIPS
   b. DESIGN/ALLOWABLE TENSION LOAD PER PILE = 6 KIPS
   c. DESIGN/ALLOWABLE LATERAL LOAD PER PILE = 2 KIPS
5. A FACTOR OF SAFETY OF 2.0 SHALL BE APPLIED TO THE ALLOWABLE LOADS TO DETERMINE THE ULTIMATE CAPACITY PER HELICAL MICROPILE.
6. THE GEOTECHNICAL REPORT AND BORING LOGS DATED (JUNE 19, 2014) PREPARED BY DR. CLARENCE WELTI P.E. P.C SHALL BE CONSIDERED TO BE REPRESENTATIVE OF THE IN-SITU SUBSURFACE CONDITIONS LIKELY TO BE ENCOUNTERED ON THE PROJECT SITE AND THUS THE BASIS FOR HELICAL MICROPILE DESIGN.
7. MINIMUM REQUIRED DEPTH FROM FINISHED GRADE = 40 FEET
8. HELICAL MICROPILES SHALL CONSIST OF A 6" UNCASED GROUT COLUMN 38 FEET BELOW PILE CAP.
   a. SEE DETAIL 1 FOR PILE TYPE LIMITS BELOW AND ABOVE GRADE.
9. CENTRAL SHAFT PILE TYPE: 1 ½" SOLID SHAFT OR AS REQUIRED.
   a. THE CENTRAL SHAFT SHALL EXTEND FROM THE LEAD SECTION TO THE UNDERSIDE OF THE FOOTING.
10. LEAD SECTION HELIX PLATES: 10-12-14 OR AS REQUIRED.
11. TERMINATION: CONSTRUCTION CAP FOR COMPRESSION.
12. REQUIRED FIELD INSTALLATION TORQUE = 5000 FT-LBS
13. BASED ON AN EMPIRICAL TORQUE FACTOR, KT = XX FT-1
14. GROUT SHALL BE PORTLAND CEMENT CONFORMING TO ASTM C150 TYPE I OR TYPE II.
   a. ADMIXTURES MAYBE REQUIRED AND SHOULD BE DISCUSSED WITH THE ENGINEER.
   b. THE WATER - CEMENT RATIO FOR CEMENT GROUTS IS TYPICALLY 0.45.
15. ALL HELICAL PILE MATERIAL SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A153/A123.
16. ABOVE AND BELOW GRADE STEEL PIPE MATERIAL SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A153/A123.
17. IT IS RECOMMENDED THAT PRODUCTION TEST PILES BE PERFORMED TO VERIFY THE SUITABILITY AND CAPACITY OF THE PROPOSED HELICAL PILE, AND THE PROPOSED INSTALLATION PROCEDURES PRIOR TO INSTALLATION. THE TEST IS TO EMPIRICALLY VERIFY THE ULTIMATE CAPACITY TO THE AVERAGE INSTALLING TORQUE OF THE HELICAL PILE FOR THE PROJECT SITE. A SIMPLE TEST PROBE PILE IS SUFFICIENT.
18. A TORQUE INDICATOR SHALL BE USED DURING HELICAL MICROPILE INSTALLATION AND SHALL BE CAPABLE OF PROVIDING CONTINUOUS MEASUREMENT OF APPLIED TORQUE THROUGHOUT THE INSTALLATION.
   a. TORQUE INDICATORS SHALL BE CALIBRATED EITHER ON-SITE OR AT AN APPROPRIATELY EQUIPPED TEST FACILITY AND RE-CALIBRATED, IF IN THE OPINION OF THE OWNER AND/OR CONTRACTOR REASONABLE DOUBT EXISTS AS TO THE ACCURACY OF THE TORQUE MEASUREMENTS.
19. IF THE MINIMUM INSTALLATION TORQUE AS SHOWN ON THE WORKING DRAWINGS IS NOT ACHIEVED AT THE MINIMUM OVERALL LENGTH, THE CONTRACTOR SHALL INSTALL THE HELICAL MICROPILE DEEPER, ADD MORE OR LARGER HELIX PLATES, DE-RATE THE LOAD CAPACITY OF THE HELICAL PILE AND/OR INSTALL ADDITIONAL PILE(S) AT THE DISCRETION OF THE ENGINEER AND/OR OWNER.

SLAB ON GRADE

1. CONTROL JOINTS ARE TO BE CREATED IN SLABS ON GRADE. JOINTS SHALL BE SAW CUT 1/8" WIDE AND TO A DEPTH EQUAL TO 1/4 OF THE SLAB THICKNESS. LOCATE JOINTS 15'_0" ON CENTER (PLUS OR MINUS 5'_0") IN EACH DIRECTION, UNLESS OTHERWISE SHOWN ON DRAWINGS. CONSTRUCTION JOINTS AS REQUIRED SHALL BE KEYED AND LOCATED AT CONTROL JOINT INTERVALS.

CONCRETE

MATERIALS:

CONCRETE SHALL DEVELOP STRENGTH IN 28 DAYS AS FOLLOWS:

LOCATION	STRENGTH (PSI)
FOUNDATIONS	4000
SLABS ON GRADE	4000

1. ALL DETAILING, FABRICATION AND ERECTION OF REINFORCING BARS MUST FOLLOW THE LATEST ACI CODE AND THE LATEST ACI "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES".
2. REINFORCING STEEL SHALL BE 60,000 PSI YIELD.
3. NO TACK WELDING OF REINFORCING WILL BE PERMITTED.
4. UNLESS NOTED OTHERWISE, ALL LAP SPLICES SHALL BE CLASS B, IN ACCORDANCE WITH ACI 318-02.
5. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A_185.
6. WIRE MESH REINFORCEMENT MUST LAP ONE MESH SIZE AT SIDES AND ENDS AND BE WIRED TOGETHER.
7. WELDED WIRE FABRIC SIDE LAPS SHALL BE STAGGERED TO AVOID FOUR MESH THICKNESS AT COINCIDING END LAP AND SIDE LAP LOCATION.
8. NO CALCIUM CHLORIDE OR ADMIXTURES CONTAINING MORE THAN 0.1% CHLORIDE BY WEIGHT OF ADMIXTURE SHALL BE USED IN THE CONCRETE.
9. AT INTERSECTIONS OF REINFORCED CONCRETE WALLS, PROVIDE CORNER DOWELS OF SAME SIZE AND AT THE SAME SPACING AS THE SMALLER HORIZONTAL REINFORCING. DOWELS SHALL HAVE A CLASS B LAP WITH HORIZONTAL REINFORCING IN EACH DIRECTION.
10. PROVIDE CORROSION RESISTANT ACCESSORIES IN ALL EXPOSED CONSTRUCTION.
11. ALL KEYS IN CONCRETE WALLS SHALL BE 2 X 4 UNLESS NOTED OTHERWISE.
12. CONCRETE PIERS: PLACE CONCRETE PIERS AND WALLS TOGETHER. SET PIER REINFORCING AND SET WALL REINFORCING THROUGH PIER VERTICAL BARS. PROVIDE DOWELS WITH STANDARD HOOK FROM FOOTING AT ALL PIERS. SIZE AND QUANTITY OF DOWELS TO MATCH VERTICAL PIER REINFORCING (CLASS "B" SPLICE).
13. ALL CONCRETE TO REMAIN EXPOSED TO VIEW SHALL RECEIVE A SMOOTH RUBBED FINISH (SEE SPECIFICATIONS).
14. ALL CONCRETE CORNERS WITH BOTH SIDES EXPOSED TO VIEW SHALL BE SQUARE UNLESS OTHERWISE SHOWN OR NOTED. THE EDGE SHALL BE RUBBED, PRODUCING A SMOOTH, DENSE SURFACE WITHOUT PITS OR IRREGULARITIES.
15. PROVIDE CLEARANCE FROM EDGE OF REINFORCING TO EDGE OF CONCRETE AS FOLLOWS:

FOOTINGS (AGAINST EARTH)	3"
GRADE BEAMS (BOTTOM REINFORCING)	3"
COLUMNS AND PIERS (VERTICAL REINFORCING)	2"
SLABS ON GRADE (W.W.F.)	1/3 X THK. FROM TOP SURFACE

16. PROVIDE NO OPENINGS IN CONCRETE BEAMS UNLESS DETAILED ON THE STRUCTURAL DRAWINGS.
17. JOINTS NOT INDICATED ON THE DRAWINGS SHALL BE MADE SO AS TO LEAST IMPAIR THE STRENGTH OF THE STRUCTURE. THERE SHALL BE NO HORIZONTAL JOINTS IN BEAMS OR SUSPENDED SLABS.
18. PROVIDE THE FOLLOWING AT OPENINGS IN ALL CONCRETE WALLS AND FRAMED SLABS, UNLESS OTHERWISE INDICATED:
   1-#5 AT EACH FACE ON EACH SIDE OF OPENING, EXTENDING 2'-0" BEYOND OPENING.
   1-#5 X 4'-0" LONG AT EACH FACE DIAGONALLY AT EACH CORNER.
19. REINFORCING STEEL SHOP DRAWINGS SHALL INDICATE THE SEQUENCE IN WHICH LAYERS OF CROSSING REINFORCING SHOULD BE PLACED, IN ORDER TO PRODUCE THE CORRECT OUTERMOST LAYER AS INDICATED ON THE DRAWINGS.

STRUCTURAL STEEL

MATERIALS:

STRUCTURAL STEEL W-SHAPES	ASTM A 572, GR.50
STRUCTURAL STEEL NOT INCLUDED ABOVE	ASTM A 36
ANCHOR BOLTS	ASTM A307
WELDING ELECTRODE	ASTM E 70

1. DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO CURRENT AMERICAN INSTITUTE OF STEEL CONSTRUCTION SPECIFICATION.
2. WELDING SHALL CONFORM TO THE CODE FOR "ARC AND GAS WELDING IN BUILDING CONSTRUCTION" OF THE AMERICAN WELDING SOCIETY.
3. ALL WELDING SHALL BE DONE BY A CERTIFIED WELDER IN ACCORDANCE WITH A.W.S. STANDARDS.
4. PROVIDE 9/16" DIAMETER HOLES FOR WOOD NAILERS AS REQUIRED.
5. PROVIDE 8" X 8" X 5/8" GALVINISED BEARING PLATES FOR ALL BEARING BEAMS UNLESS NOTED OTHERWISE.
6. EXISTING STEEL SURFACES TO RECEIVE FIELD WELDS SHALL BE THOROUGHLY CLEANED UNTIL FREE FROM PAINT, RUST, GREASE, ETC.

WOOD FRAMING

1. LUMBER FOR WOOD JOISTS, RAFTERS AND BEAMS SHALL BE DOUGLAS FIR, LARCH NUMBER 2 GRADE, WITH 19% MAXIMUM MOISTURE CONTENT AND MINIMUM SAFE STRENGTH CAPACITY OF:
   Fb = 900 PSI FOR BENDING
   Fc (perp.) = 625 PSI FOR COMPRESSION PERP. TO GRAIN
   Fc (par.) = 1350 PSI FOR COMPRESSION PARALLEL TO GRAIN
   Fv = 125 PSI FOR HORIZONTAL SHEAR
   E = 1,600,000 PSI MODULUS OF ELASTICITY
2. FLOOR JOIST BRIDGING:
   PROVIDE 1" X 3" DIAGONAL BRIDGING (OR EQUIVALENT) AT 8'-0" MAXIMUM ON CENTER.
3. CUTTING AND NOTCHING: IN BEAMS, JOISTS AND RAFTERS, CUTS SHALL NOT BE DEEPER THAN SHOWN ON DRAWINGS, AND IN NO CASE DEEPER THAN 1/5 THE DEPTH OF THE BEAM, JOIST OR RAFTER.
4. CONNECTIONS AND FASTENINGS: ALL MEMBERS SHALL BE FASTENED AT THEIR JUNCTIONS WITH APPROVED CONNECTORS, SPIKES, NAILS, STRAPS, OR OTHER DEVICES.
5. DOUBLE UP JOISTS AND RAFTER UNDER ALL HVAC UNITS, UNDER ALL PARTITIONS, AND ELSEWHERE AS INDICATED ON THE DRAWINGS.
6. ALL OPENINGS SHALL BE FRAMED WITH DOUBLE POSTS, DOUBLE JOISTS OR DOUBLE RAFTERS AND HEADERS ON END (UPRIGHT), UNLESS OTHERWISE INDICATED.
7. CONNECT RAFTERS, JOISTS AND HEADERS FRAMING INTO THE SIDES OF OTHER WOOD MEMBERS WITH FORMED "SADDLE" TYPE JOIST HANGERS, MADE FROM 18 GA. GALVANIZED STEEL PER ASTM A93. INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
8. MEMBERS INDICATED THUS: "LVL" SHALL BE LAMINATED VENEER LUMBER, "MICROLAM" SECTIONS WITH THE FOLLOWING MINIMUM MATERIAL PROPERTIES:
   Fb = 2600 PSI
   Fc (perp.) = 750 PSI
   Fc (par.) = 2510 PSI
   Fv = 285 PSI
   E = 1,900,000 PSI
9. ALL EXTERIOR WOOD SHALL BE PREASURE TREATED.
10. ALL PARALLAM PSL PLUS MEMBERS SHALL HAVE THE FOLLOWING PROPERTIES AND BE PRESURE TREATED (WOLMANIZED).
   Fb=2900 PSI
   Fc(perp)= 750 PSI
   Fc(par)= 2900 PSI
   Fv = 290 PSI
   E = 2,000,000 PSI

NOTES:

REVISIONS

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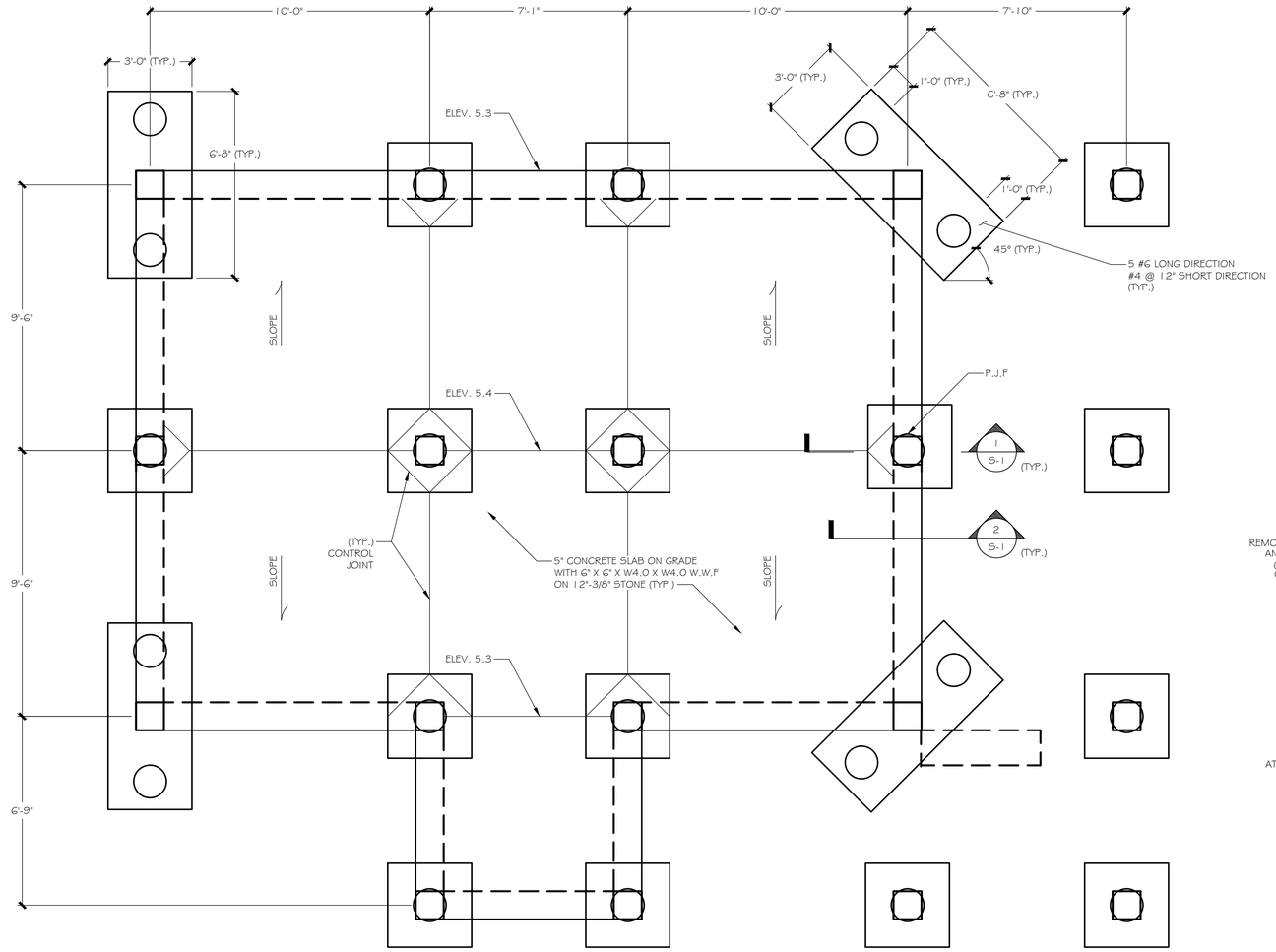
OORR
APPLICATION NO. 1417
MILLER RESIDENCE
7 ORLAND ST.
MILFORD, CT

GENERAL NOTES

DTC PROJECT NUMBER: 13-449-010
DTC DRAWING FILE:
SCALE: VARIES
DATE: 9/26/2014
DRAWN BY:
CHECKED BY:
SHEET:

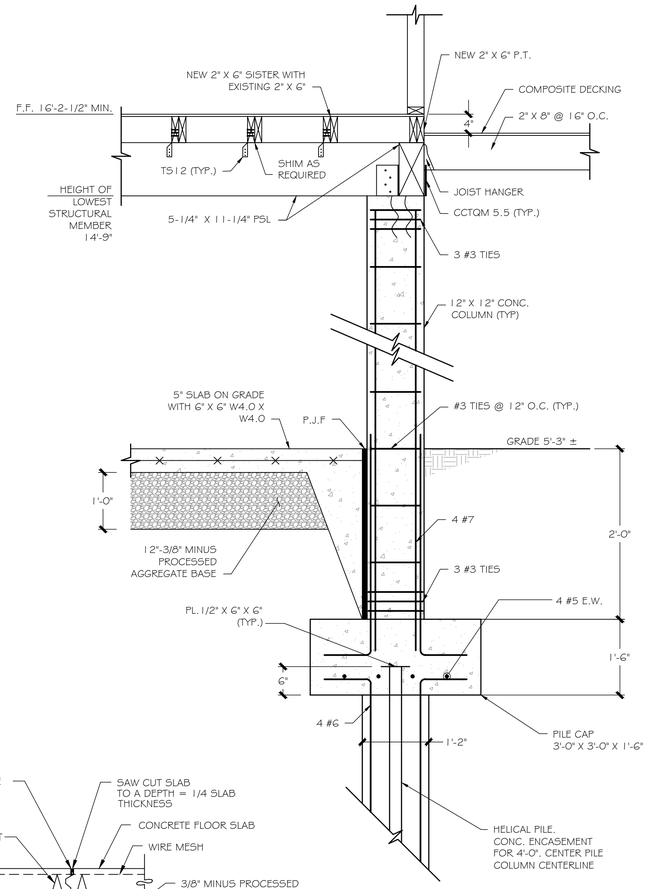
S-100



1 FOUNDATION PLAN

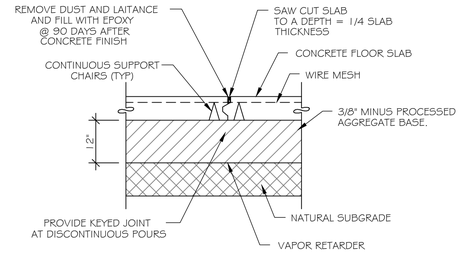
SCALE: 3/8" = 1'-0"

0 2' 4' 8'



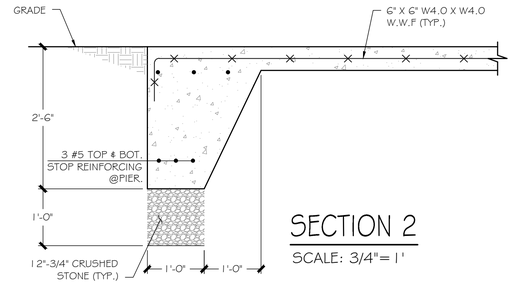
SECTION 1

SCALE: 3/4"= 1'



CONTROL JOINT DETAIL

SCALE: N.T.S



SECTION 2

SCALE: 3/4"= 1'

NOTES:

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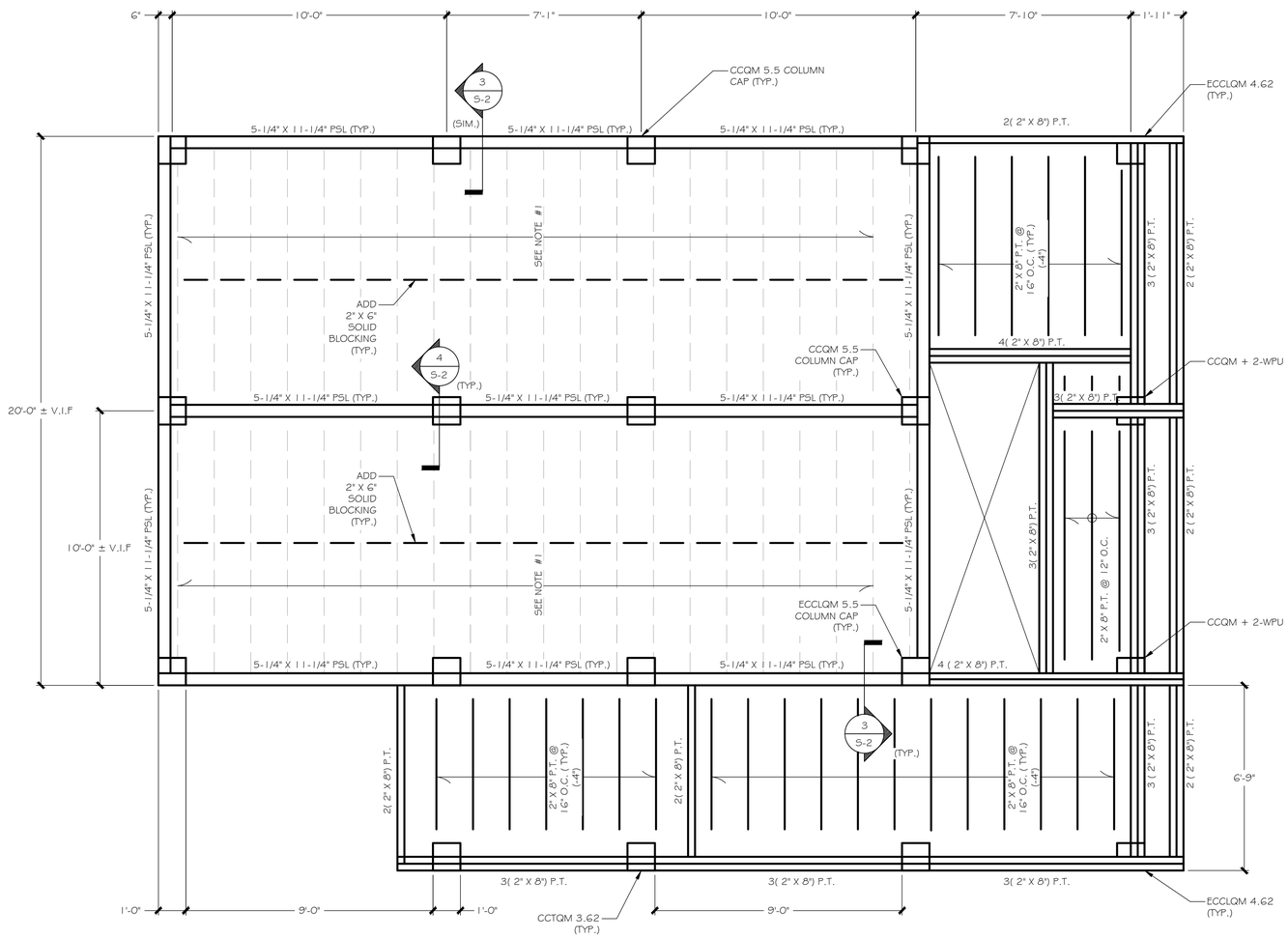
MILFORD, CT

FOUNDATION PLAN
&
DETAILS

DTC PROJECT NUMBER: 13-449-010	
DTC DRAWING FILE:	
SCALE: VARIES	DRAWN BY:
DATE: 9/26/2014	CHECKED BY:

SHEET:

S-101



1 FRAMING PLAN

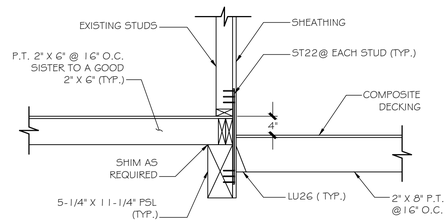
SCALE: 3/8" = 1'-0"

0 2' 4' 8'

NOTES

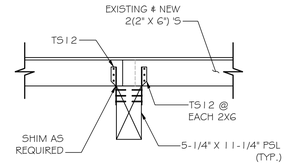
1) ADD 1 (2" X 6") P.T. TO EXISTING 2" X 6" @ 16" O.C. REPLACE EXISTING 2" X 6" IF DETERIOTED, OR OTHERWISE NOT USABLE TO PROVIDE 2 GOOD 2" X 6" S @ 16" O.C. (TYP.)

2) SEE ARCHITECTURAL DRAWINGS FOR INFORMATION NOT SHOWN



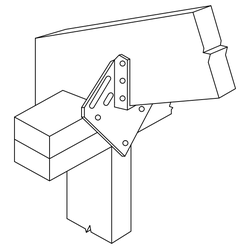
SECTION 3

SCALE: 3/4"= 1'



SECTION 4

SCALE: 3/4"= 1'



ROOF CLIP DETAIL SIMPSON STRONG TIE H1

SCALE: N.T.S

NOTES:

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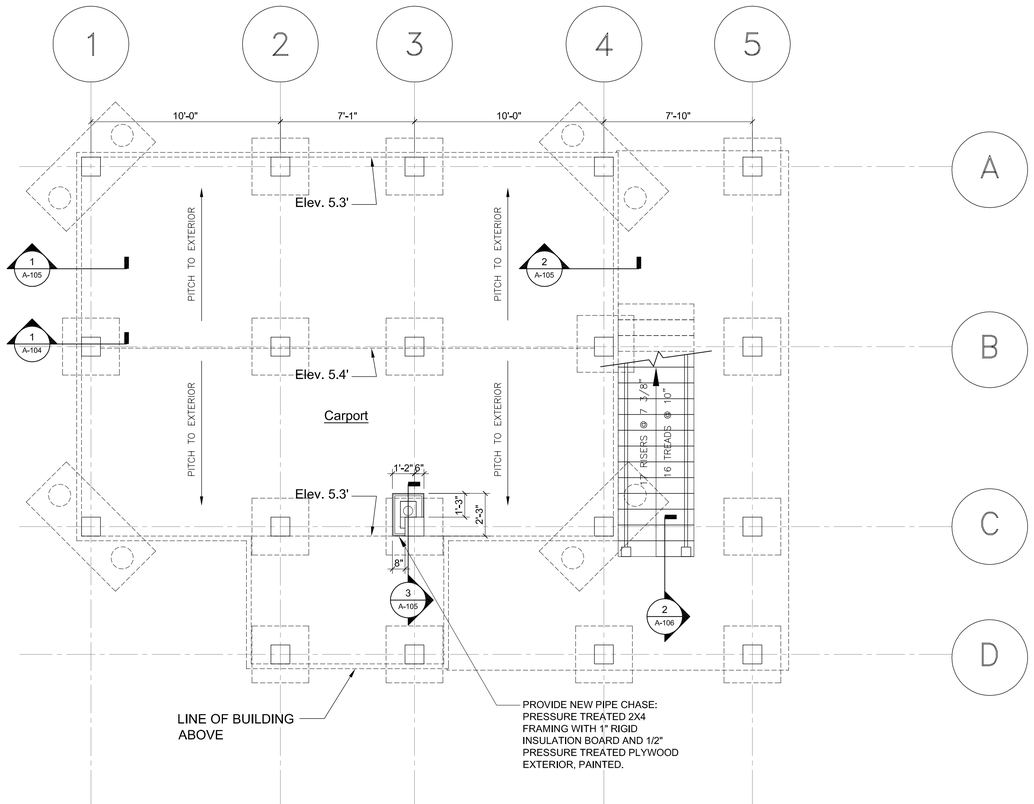
APPLICATION NO. 1417
MILLER RESIDENCE
7 ORLAND ST.
MILFORD, CT

FRAMING PLAN
&
DETAILS

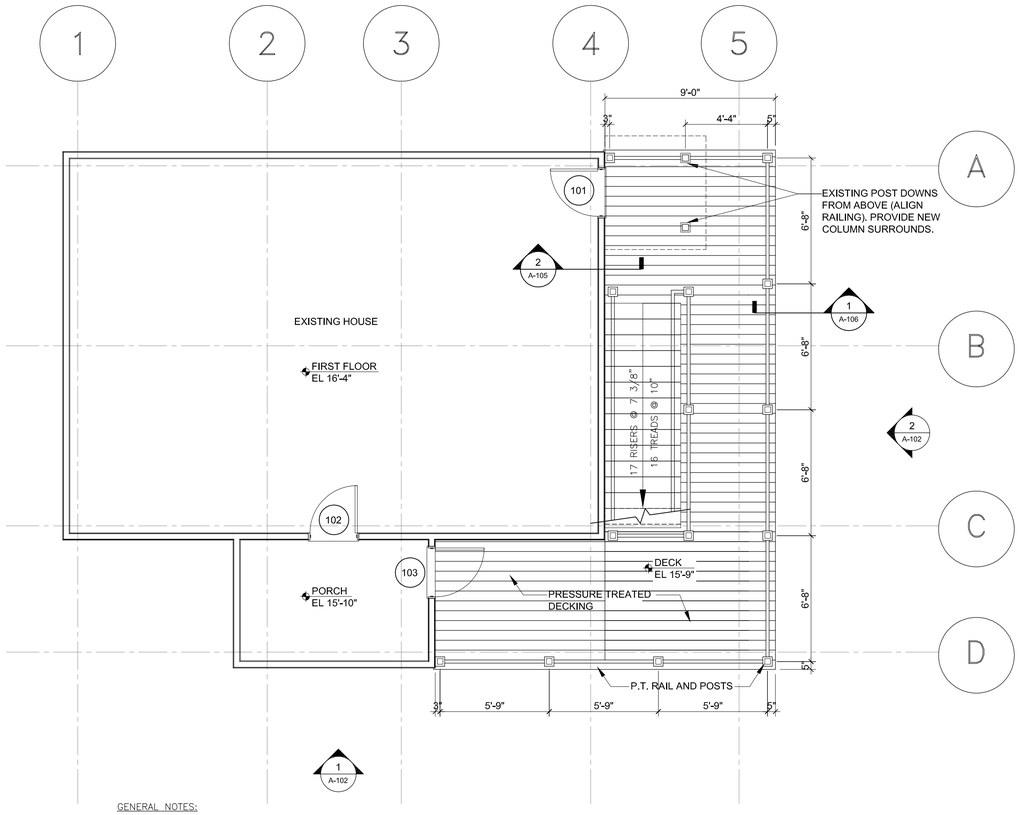
DTC PROJECT NUMBER: 13-449-010	
DTC DRAWING FILE:	
SCALE: VARIES	DRAWN BY:
DATE: 9/26/2014	CHECKED BY:

SHEET:

S-102



1 FOUNDATION PLAN
1/4" = 1'-0"



GENERAL NOTES:

1. EXISTING EXTERIOR DOORS AND FRAMES TO BE DEMOLISHED IN THEIR ENTIRETY AND REPLACED WITH NEW PREHUNG UNITS. EXTENDED JAMBS WILL BE REQUIRED. CONTRACTOR TO PATCH AND REPAIR ADJACENT WALLS TO MATCH EXISTING.
2. AT DOOR #102 REMOVE PORTION OF WALL INCLUDING GYPSUM AND FRAMING ON EITHER SIDE OF DOOR AND REBUILD WALL TO PROVIDE CONTINUOUS FLUSH INTERIOR WALL PRIOR TO FRAMING DOOR OPENING.

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

NOTES:

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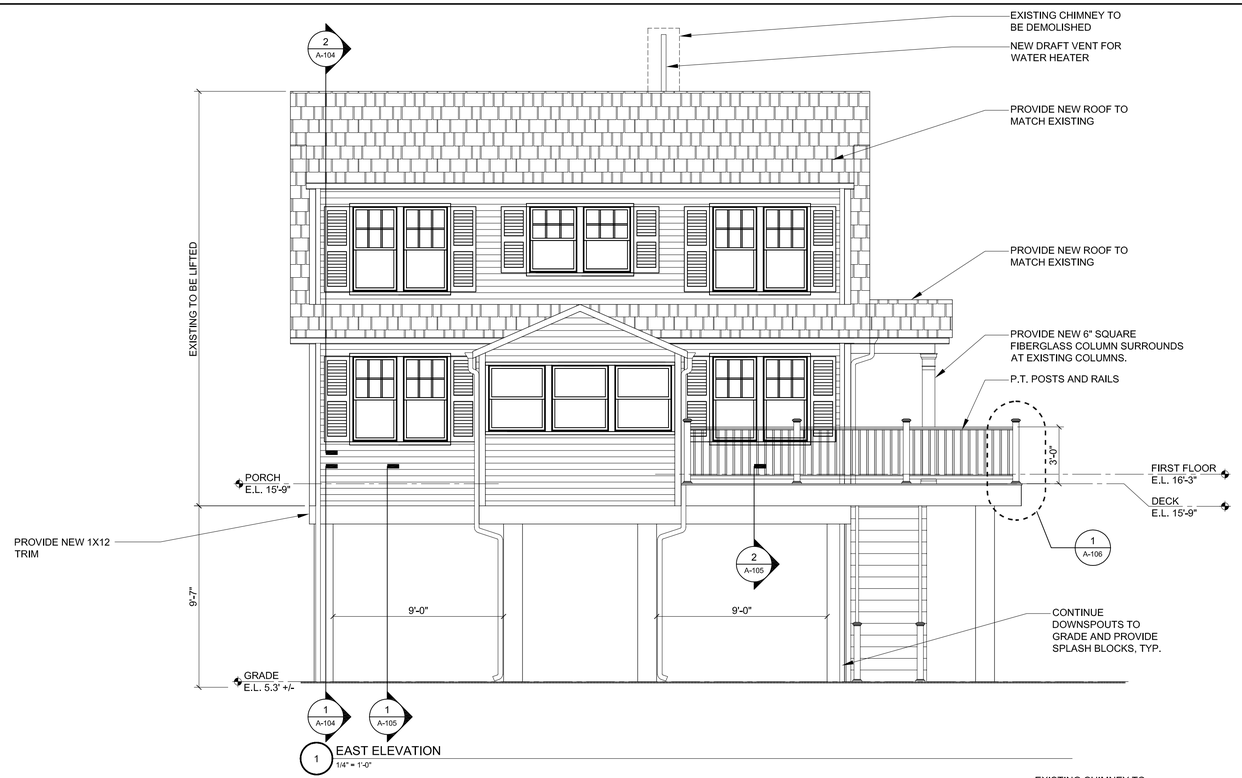
7 ORLAND STREET
MILFORD, CT 06460

Foundation & Deck Plans

DTC PROJECT NUMBER:	13-449-010
DTC DRAWING FILE:	
SCALE: AS NOTED	DRAWN BY: MB
DATE: 9/26/2014	CHECKED BY: MB

SHEET:

A-101



NOTES:

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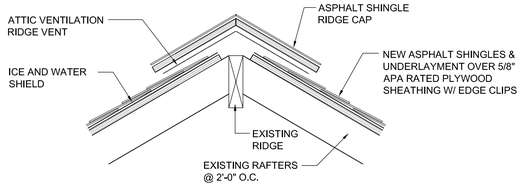
Exterior Elevations

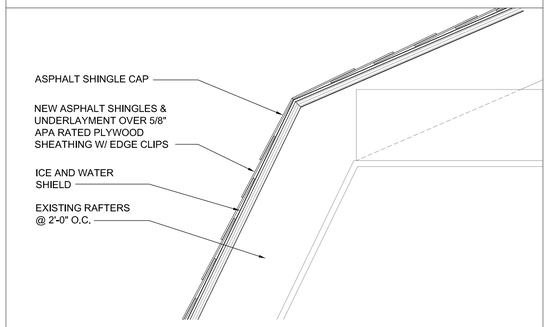
DTC PROJECT NUMBER:	13-449-010
DTC DRAWING FILE:	
SCALE: AS NOTED	DRAWN BY: MB
DATE: 9/26/2014	CHECKED BY: MB

SHEET:

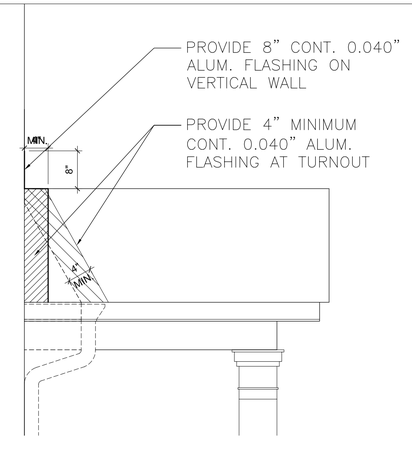
A-102



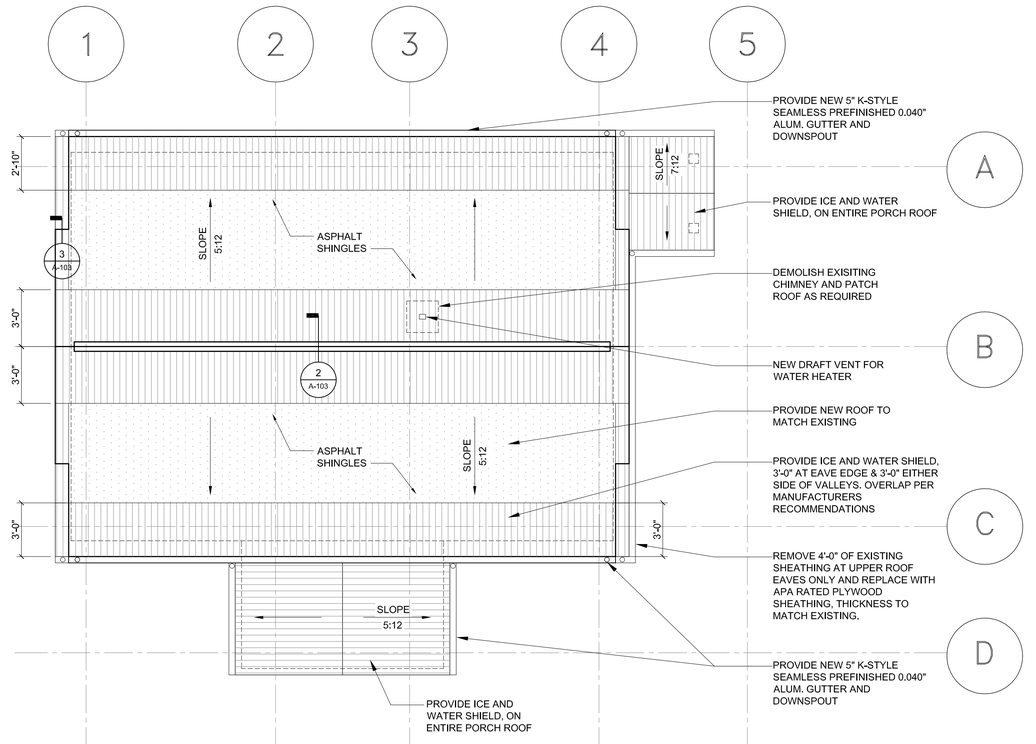
2 TYPICAL RIDGE DETAIL
1 1/2" = 1'-0"



3 TYPICAL GAMBREL ROOF INTERSECTION DETAIL
1 1/2" = 1'-0"



4 TYPICAL FLASHING AT PORCH ROOFS
1 1/2" = 1'-0"



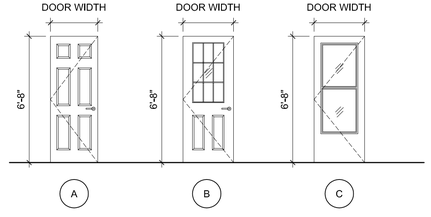
1 ROOF PLAN
1/4" = 1'-0"

DOOR SCHEDULE

DOOR NO.	DOOR SIZE	DOOR TYPE	DOOR MAT.	DOOR FIN.	FRAME MAT.	FRAME FIN.	FIRE RATG	HDWR SET	REMARKS
FIRST FLOOR									
101	(1) 2'-6" x 6'-8"	B,C	F.G.	PREFIN.	H.M.	PTD	-	EXIST	PROVIDE STORM DOOR TO MATCH EXISTING, DOOR TYPE C
102	(1) 2'-6" x 6'-8"	A	F.G.	PREFIN.	WD	PTD	-	EXIST	
103	(1) 2'-6" x 6'-2 1/2"	C	F.G.	PREFIN.	H.M.	PTD	-	EXIST	

GENERAL NOTES:

1. EXISTING EXTERIOR DOORS AND FRAMES TO BE DEMOLISHED IN THEIR ENTIRETY AND REPLACED WITH NEW PREHUNG UNITS. EXTENDED JAMBS WILL BE REQUIRED.
2. ALL DOOR SIZES TO BE CONFIRMED WITH EXISTING OPENING.
3. ALL INTERIOR DOORS ARE 1 3/8" THICK AND EXTERIOR DOORS 1 3/4" THICK, UNLESS OTHERWISE NOTED.
4. EXISTING HARDWARE TO BE RE-USED, UNLESS OTHERWISE NOTED.
5. DOOR MATERIAL TO MATCH EXISTING, PROVIDE FIBERGLASS EXTERIOR DOORS.



DOOR TYPES

NOTES:

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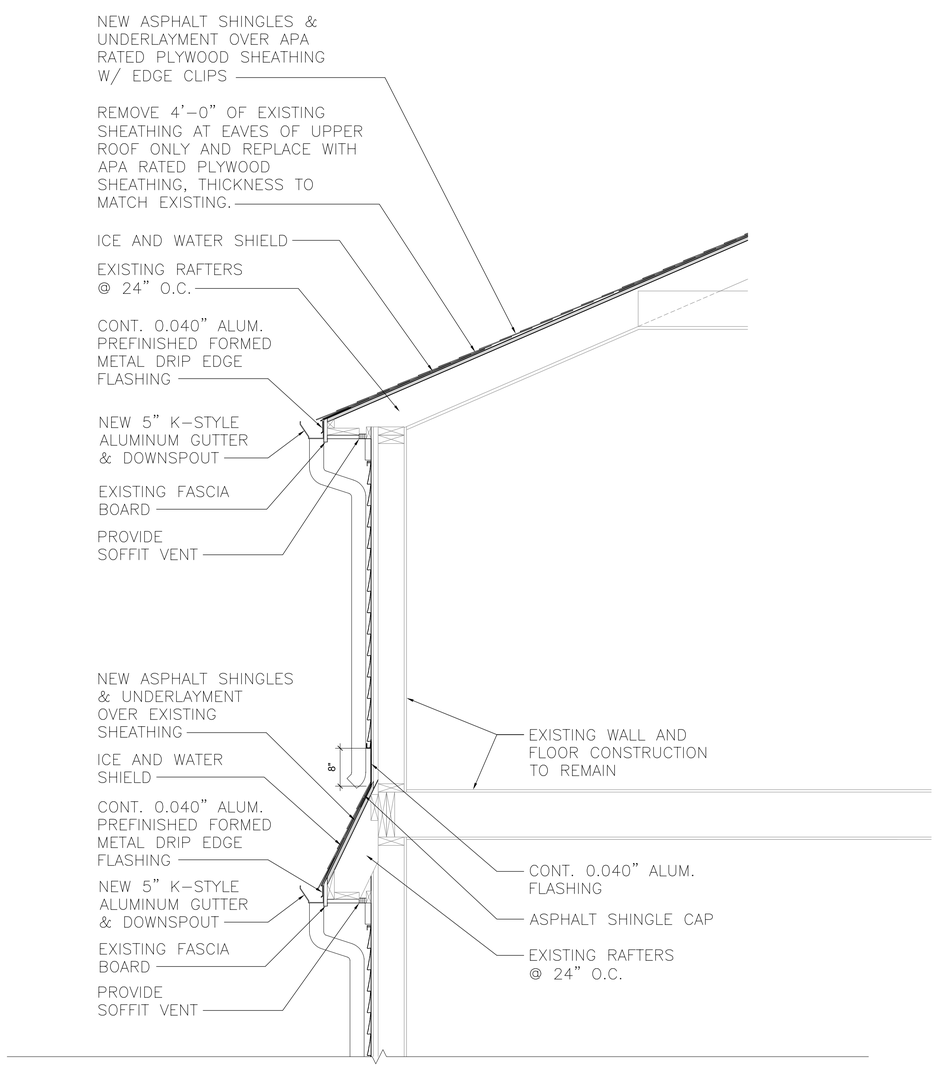
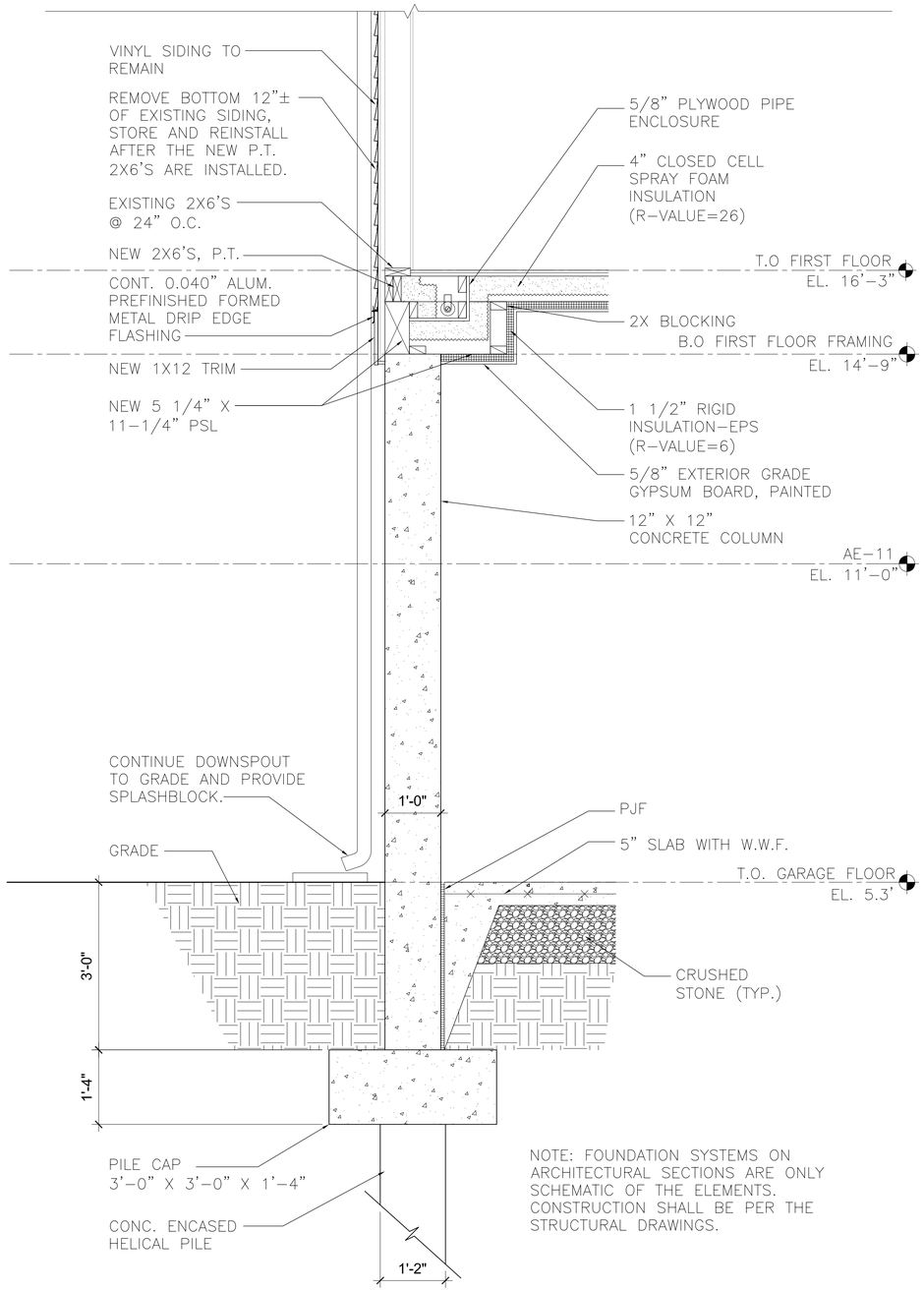
Roof Plan, Roof Details, Door Sched. & Door Types

DTC PROJECT NUMBER: 13-449-010
DTC DRAWING FILE:
SCALE: AS NOTED
DRAWN BY: MB
DATE: 9/26/2014
CHECKED BY: MB

SHEET:
A-103



2 WALL SECTION
3/4" = 1'-0"



1 WALL SECTION
3/4" = 1'-0"

NOTES:

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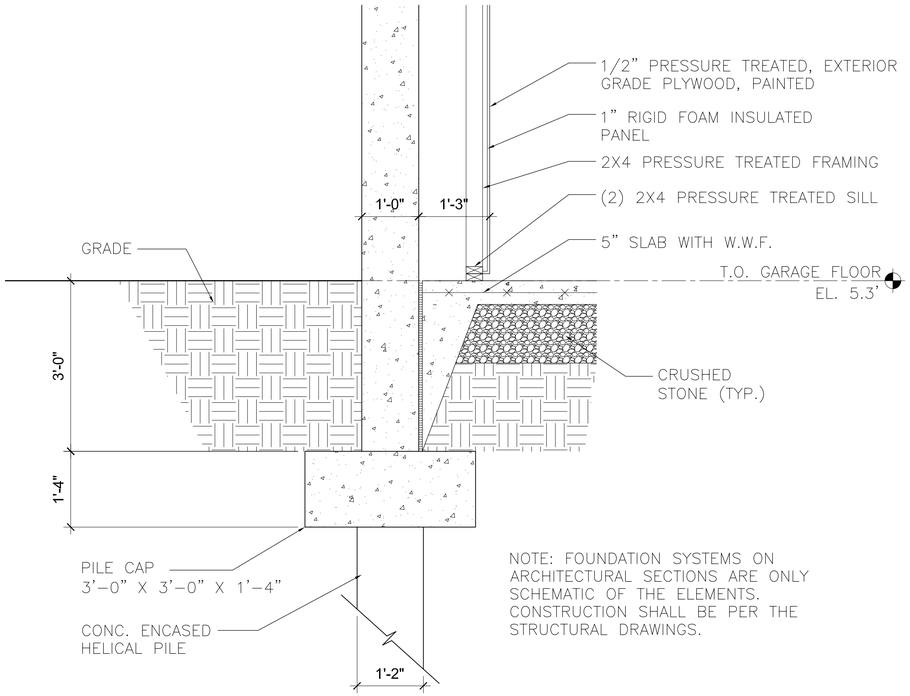
Wall Sections

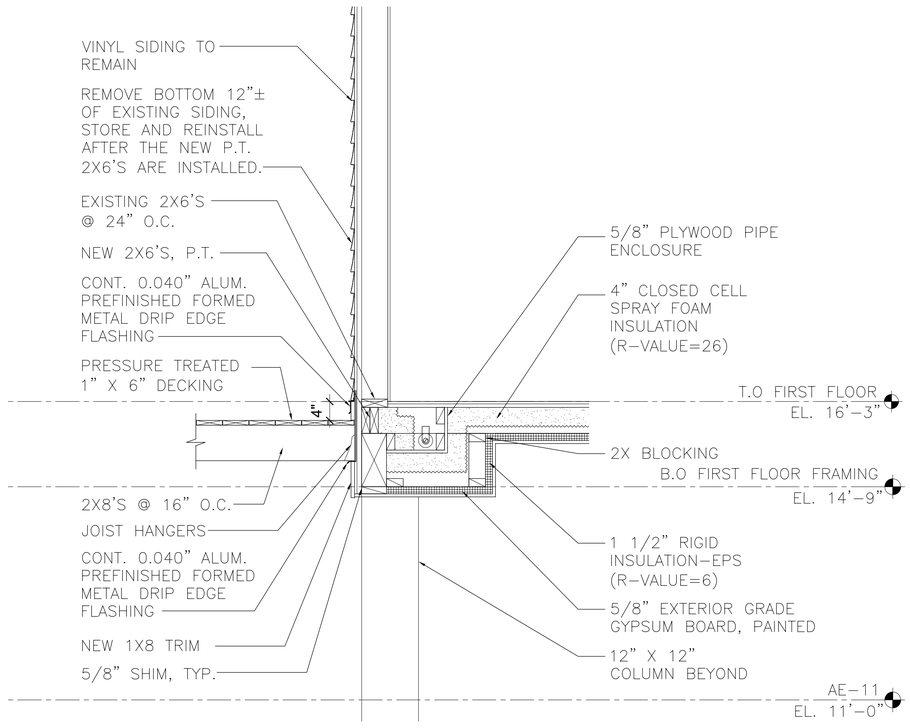
DTC PROJECT NUMBER:	13-449-010
DTC DRAWING FILE:	
SCALE: AS NOTED	DRAWN BY: MB
DATE: 9/26/2014	CHECKED BY: MB

SHEET:

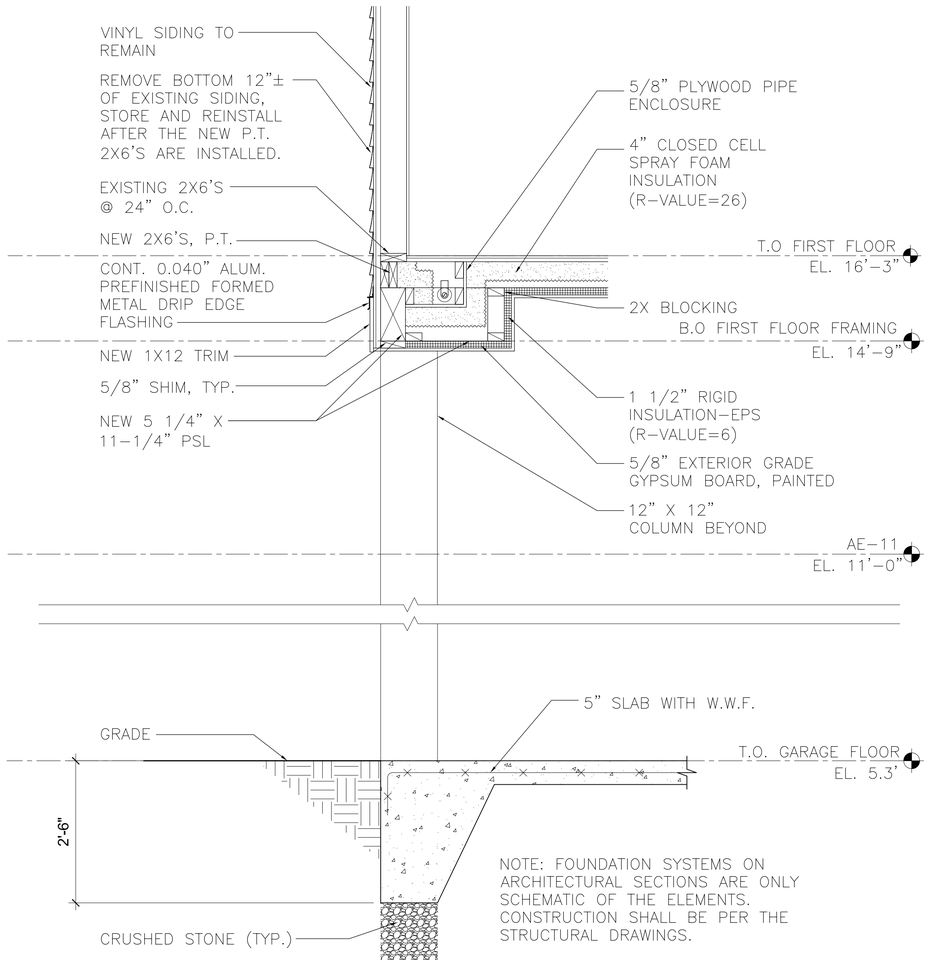
A-104



3 WALL SECTION @ NEW PIPE CHASE
3/4" = 1'-0"



2 WALL SECTION
3/4" = 1'-0"



1 WALL SECTION
3/4" = 1'-0"

NOTES:

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7 ORLAND STREET
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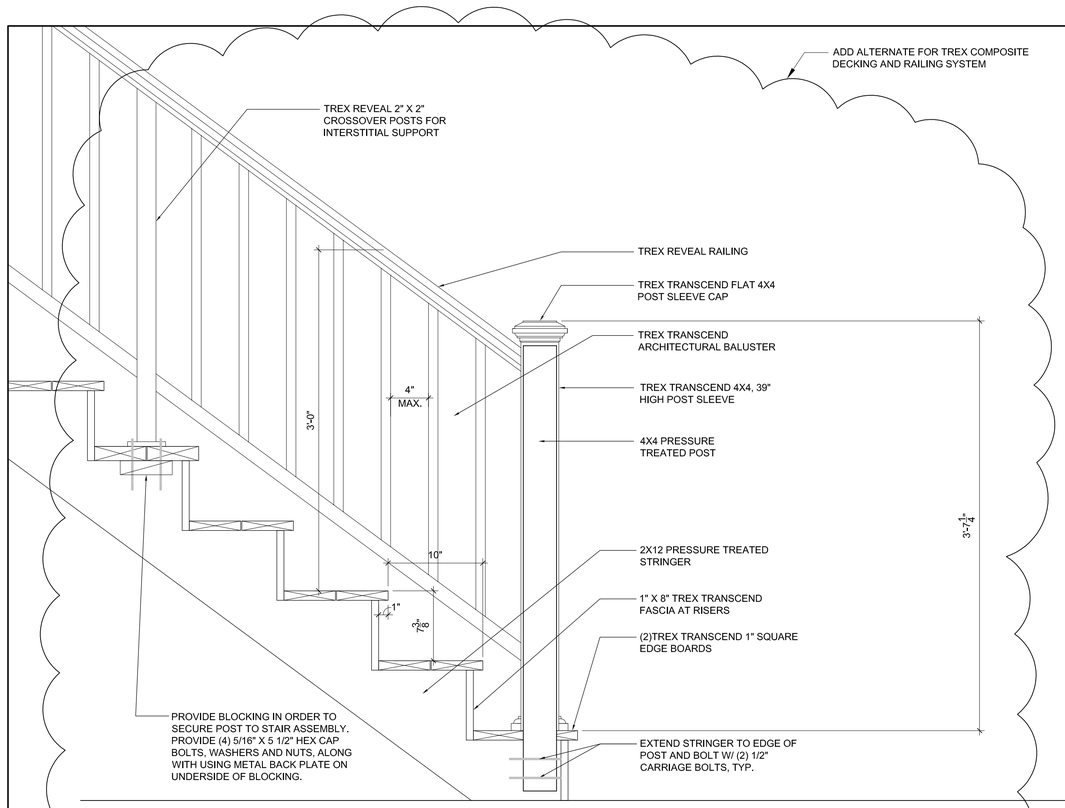
Wall Sections

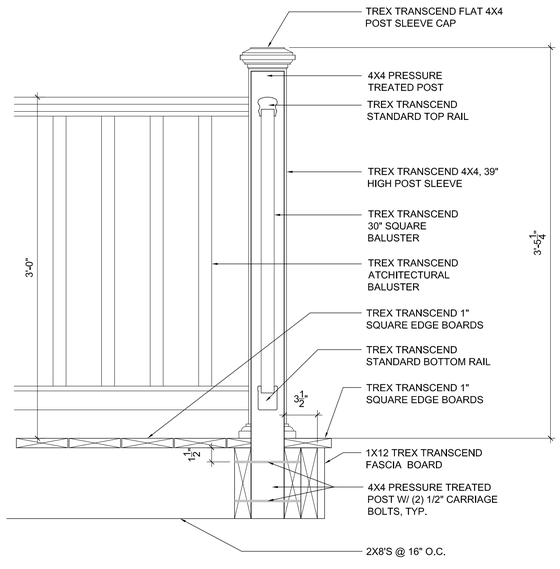
DTC PROJECT NUMBER:	13-449-010
DTC DRAWING FILE:	
SCALE: AS NOTED	DRAWN BY: MB
DATE: 9/26/2014	CHECKED BY: MB

SHEET:

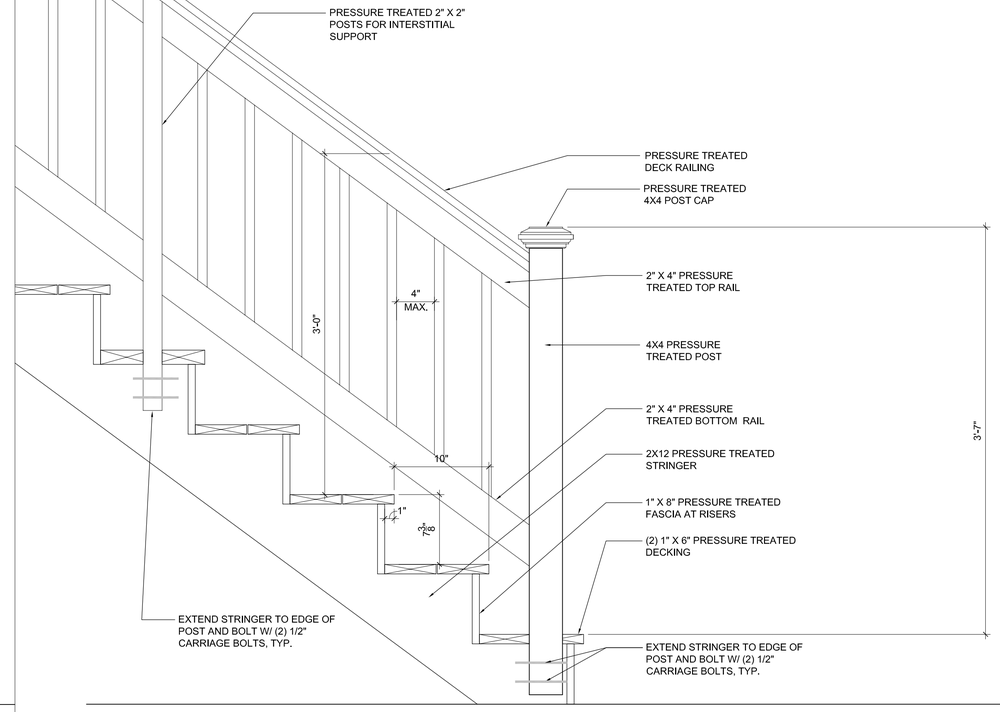
A-105



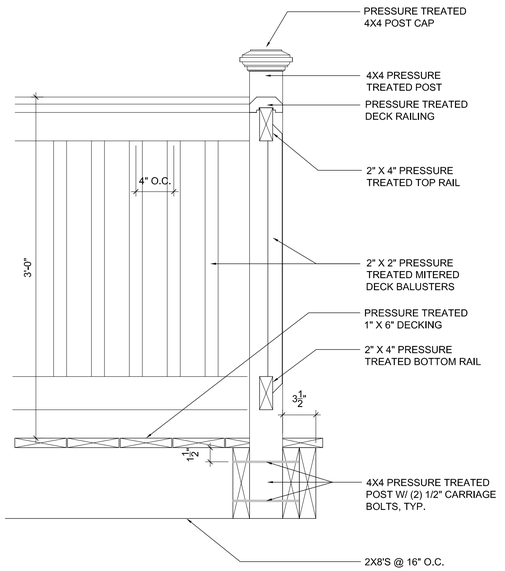
2A Stair Detail
1 1/2" = 1'-0"



1A Railing/Post Detail
1 1/2" = 1'-0"



2 Stair Detail
1 1/2" = 1'-0"



1 Railing/Post Detail
1 1/2" = 1'-0"

NOTES:

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APPLICATION NO. 1417
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MILFORD, CT 06460

Stair & Deck Details

DTC PROJECT NUMBER:	13-449-010
DTC DRAWING FILE:	
SCALE: AS NOTED	DRAWN BY: MB
DATE: 9/26/2014	CHECKED BY: MB

SHEET:

A-106

PLUMBING GENERAL NOTES

1. 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.
2. 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.
3. 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.
4. 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.
5. DO NOT SCALE DRAWINGS. CONTRACTOR SHALL VERIFY ALL DIMENSIONS & CONDITIONS IN THE FIELD AND SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY & ALL DISCREPANCIES.
6. 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.
7. 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.
8. 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.
9. 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.
10. CONTRACTOR IS RESPONSIBLE FOR PROPERLY PROTECTING OWNER'S PROPERTY AND EQUIPMENT FROM INJURY, AND DAMAGE TO SAME SHALL BE REPLACED BY CONTRACTOR.
11. 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.
12. 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.
13. CONTRACTOR IS RESPONSIBLE TO PROPERLY SECURE AREAS OF CONSTRUCTION AT THE END OF EACH WORKING DAY.
14. EQUIPMENT AND PIPING TO BE INSTALLED IN ACCORDANCE WITH SEISMIC REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE.
15. CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH ALL OTHER TRADES.
16. ALL EQUIPMENT SUPPORTS AND PIPE HANGERS TO BE CONNECTED FROM THE BUILDING STRUCTURE.
17. PROVIDE ACCESS PANELS/DOORS FOR ALL CONCEALED PLUMBING ITEMS REQUIRING ACCESS.
18. PROVIDE SHUTOFF VALVES AT ALL BRANCH PIPING TAKEOFFS.
19. ALL BRANCH WATER PIPES TO HAVE STOP VALVES AT EACH PLUMBING FIXTURE.
20. INSULATE EXPOSED WASTE, HOT AND COLD WATER PIPING UNDER HANDICAP LAVATORIES.
21. INSULATE COLD WATER, HOT WATER AND RECIRCULATION PIPING, CONDENSATE DRAIN, STORM PIPING AND ROOF DRAIN BODIES.
22. 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.
23. WHERE AN INACCESSIBLE CEILING IS INSTALLED (GYP BOARD OR EQUIVALENT), 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.
24. NO PIPING SHALL BE INSTALLED WITHIN STAIRS, STAIR WALLS, OR OVER ELECTRICAL PANELS/EQUIPMENT. ONLY DEDICATED PLUMBING PIPING WILL BE ALLOWED WITHIN EACH OF THE SPACES INDICATED ABOVE. COORDINATE THE LOCATION OF ALL PIPING WITH ALL OTHER TRADES, AND ADJUST AS NECESSARY
25. 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.
26. COORDINATE EXACT LOCATION OF ALL UNDERGROUND UTILITIES (WATER, GAS, SANITARY, ETC.) EXITING OR ENTERING THE BUILDING WITH UTILITY DRAWINGS. COORDINATE ALL FOUNDATION WALL PENETRATIONS AND INVERT ELEVATIONS WITH THE GENERAL CONTRACTOR AND OR OWNER'S REPRESENTATIVE.
27. 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.
28. COORDINATE ALL PLUMBING EQUIPMENT REQUIRING POWER, FOR EXACT LOCATION AND POWER REQUIREMENTS WITH THE ELECTRICAL CONTRACTOR.
29. 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.
30. 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.

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
	DOMESTIC HOT WATER PIPING
G	GAS PIPING
	PIPING DIRECTION OF FLOW
	HT - HEAT TRACED & INSULATED PIPE
	PIPING RISER UP
	PIPING RISER DOWN
	BRANCH/BOTTOM CONNECTION
	TRAP
	BALL VALVE
	CHECK VALVE
	UNION
	CAP ON END OF PIPE
	GAS COCK
	POINT OF CONNECTION
	POINT OF DISCONNECT
	TEMPERING VALVE
M	WATER METER

PIPING SYMBOLS

HWS	HOT WATER SUPPLY
HWR	HOT WATER RETURN
D	DRAIN

ABBREVIATIONS

CO	CLEANOUT
CTE	CONNECT TO EXISTING
CW	COLD WATER
(E)	EXISTING TO REMAIN
(ER)	EXISTING TO BE REMOVED
(ERR)	EXISTING TO BE RELOCATED
HW	HOT WATER
HZ	HERTZ
IN	INCH
GPM	GALLONS PER MINUTE
MAX	MAXIMUM
MIN	MINIMUM
(N)	NEW
PH	PHASE
RLL	REFRIGERANT LIQUID LINE
RSL	REFRIGERANT SUCTION LINE
TEMP	TEMPERATURE
TYP	TYPICAL
W	WASTE

DEMOLITION NOTES

LOCATION OF EXISTING EQUIPMENT AND PIPING SHOWN ON FLOOR PLANS IS BASED ON THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF EQUIPMENT AND BRANCH PIPING ASSOCIATED WITH THE FIXTURES OR EQUIPMENT TO REMAIN AND ADJUST AS NECESSARY. EQUIPMENT OR PIPING NOT BEING REUSED SHALL BE REMOVED, INCLUDING ALL ASSOCIATED HANGERS, SUPPORTS, PIPES, DUCTS, CONDUITS, WIRES, AND CONTROLS BACK TO THE POINT OF ORIGIN. PIPING CONTRACTOR SHALL MAKE ALLOWANCES IN BID FOR PIPING LOCATIONS AND ARRANGEMENTS OTHER THAN SHOWN.

HVAC GENERAL NOTES

1. NOTES BELOW ARE NOT INTENDED TO REPLACE SPECIFICATIONS. SEE SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO GENERAL NOTES.
2. CONTRACTOR SHALL VISIT THE SITE AND BECOME INFORMED AS TO THE NATURE AND SCOPE OF WORK REQUIRED BY CONTRACT DOCUMENTS PRIOR TO BIDDING PROJECT.
3. 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.
4. 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.
5. DUE TO SCALE OF DRAWINGS, ALL REQUIRED OFFSETS, DAMPERS, ETC., MAY NOT BE INDICATED.
6. COORDINATE DIFFUSERS LOCATIONS AND DUCT WITH LIGHTING FIXTURES. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND DETAILS OF PARTITIONS AND SOFFITS.
7. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND ARRANGE FOR ALL REQUIRED INSPECTIONS IN ACCORDANCE WITH STATE AND LOCAL GOVERNING CODES.
8. THE TERM "PROVIDE" SHALL MEAN "TO FURNISH, INSTALL, AND CONNECT COMPLETELY".
9. TURN OVER TO THE OWNER ALL MANUFACTURER'S WARRANTIES FOR EQUIPMENT AND MATERIALS PROVIDED.
10. 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 DETAILING 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.
11. CONTRACTOR SHALL COORDINATE ELECTRICAL REQUIREMENTS OF MECHANICAL EQUIPMENT WITH DIVISION 26.
12. ALL WORK SHALL BE DONE WITH LICENSED WORKMEN IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES.
13. 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.
14. BEFORE CUTTING AND DRILLING INTO BUILDING ELEMENTS, INSPECT AND LAYOUT WORK TO AVOID DAMAGING STRUCTURAL ELEMENTS AND BUILDING UTILITIES.
15. CONTRACTOR RESPONSIBLE FOR REPAIR AND PAYMENT FOR ALL UTILITIES DAMAGE DURING CONSTRUCTION.
16. CONTRACTOR TO CONFIRM DUCTWORK LOCATIONS, ELEVATIONS AND SIZES BEFORE ANY WORK IS STARTED. IF ANY DISCREPANCIES ARE FOUNDED, NOTIFY ENGINEER BEFORE PROCEEDING WITH WORK.
17. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION OF PROVIDED EQUIPMENT.
18. ALL SHOP DRAWINGS OF INDIVIDUAL COMPONENTS ARE TO BE SUBMITTED AS A COMPLETE PACKAGE.
19. 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.
20. 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.
21. 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.
22. 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.
23. SUPPORT DUCTWORK ABOVE SUSPENDED CEILING FROM CONSTRUCTION ABOVE AS CLOSE AS POSSIBLE TO BOTTOM OF SLABS, BEAMS, MAINTAINING HEADROOM AT ALL TIMES.
24. DO NOT SCALE DRAWINGS. CHECK EXISTING SPACE CONDITIONS AT THE JOB SITE.
25. DO NOT PENETRATE STAIR WALLS WITH ANY UTILITIES OR CONDUIT EXCEPT FOR UTILITIES SPECIFICALLY SERVING THAT STAIR.
26. GENERAL CONTRACTOR PROVIDE ALL CONTROL DEVICES, EQUIPMENT, ACCESSORIES, VFD DRIVES, OTHER APPARATUS, CONTROL VALVES AND DAMPERS, ACTUATORS, SENSORS, ETC. AND ALL CONTROL WIRING.
27. ALL DUCTWORK SHALL BE HUNG FROM STRUCTURE ABOVE.
28. PROVIDE FLEXIBLE JOINTS ON ALL PIPING AND DUCTWORK WHERE PENETRATING ALL BUILDING EXPANSION JOINTS.
29. PROVIDE FLEXIBLE CONNECTIONS BETWEEN MECHANICAL EQUIPMENT AND DUCTWORK AND PIPING.
30. ALL PENETRATIONS THRU WALLS, ROOF, AND FLOORS TO BE COORDINATED BEFORE SITE WORK EXECUTION WITH STRUCTURAL ENGINEERS.
31. NO THREADED FITTINGS 2-1/2" AND LARGER ALLOWED FOR HYDRONIC HVAC PIPING.
32. 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.
33. 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.
34. WINGS: DETAIL MAJOR ELEMENTS, COMPONENTS, AND SYSTEM PF 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.
    A. PLANNED PIPING LAYOUT, INCLUDING VALVE AND SPECIALTY LOCATIONS AND VALVE-STEM MOVEMENT.
    B. CLEARANCES FOR INSTALLING AND MAINTAINING INSULATION.
    C. CLEARANCES FOR SERVING AND MAINTAINING EQUIPMENT, ACCESSORIES, AND SPECIALTIES, INCLUDING SPACE FOR DISASSEMBLY REQUIRED BY PERIODIC MAINTENANCE.
    D. EQUIPMENT AND ACCESSORY SERVICE CONNECTIONS AND SUPPORT DETAILS.
    E. EXTERIOR WALL AND FOUNDATION PENETRATIONS.
    F. FLOOR PLANS, ELEVATIONS, AND DETAILS TO INDICATE PENETRATIONS, FLOORS, WALLS, AND CEILINGS AND THEIR RELATIONSHIP TO OTHER PENETRATIONS AND INSTALLATIONS.
    G. SCALE: MINIMUM 1/4"=1'-0" FOR FLOOR PLAN, 3/8"=1'-0" FOR MECHANICAL ROOMS.
35. CONTRACTOR TO PROVIDE ALL CONTROL DEVICES, EQUIPMENT, ACCESSORIES, OTHER APPARATUSES, CONTROL VALVES AND DAMPERS, ACTUATORS, SENSORS, ETC. AND ALL CONTROL WIRING AND LOW VOLTAGE POWER WIRING.

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

NOTES:

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APPLICATION NO. 1417
MILLER RESIDENCE
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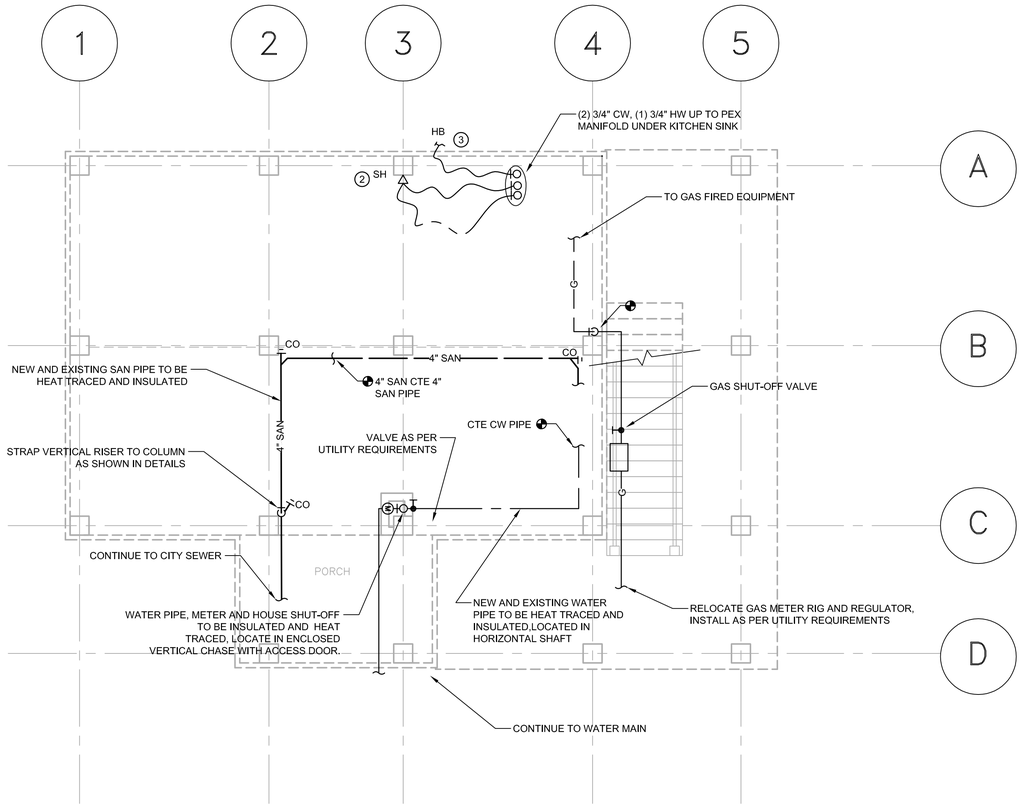
MECHANICAL & PLUMBING GENERAL NOTES

DTC PROJECT NUMBER: 13-449-010	
DTC DRAWING FILE:	
SCALE: 1/4=1.0	DRAWN BY: RWF
DATE: 9/26/2014	CHECKED BY: RCN

SHEET: M-001



2 GROUND FLOOR PLAN

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

0 4' 8' 16'

WORK NOTES:

1. NOT USED ON THIS DRAWING
2. SH: PROVIDE 1" H&CW PEX AND TMV TO OUTDOOR SHOWER.
3. HB: PROVIDE 3/4" CW PEX TO HOSE BIBB.

NOTES:

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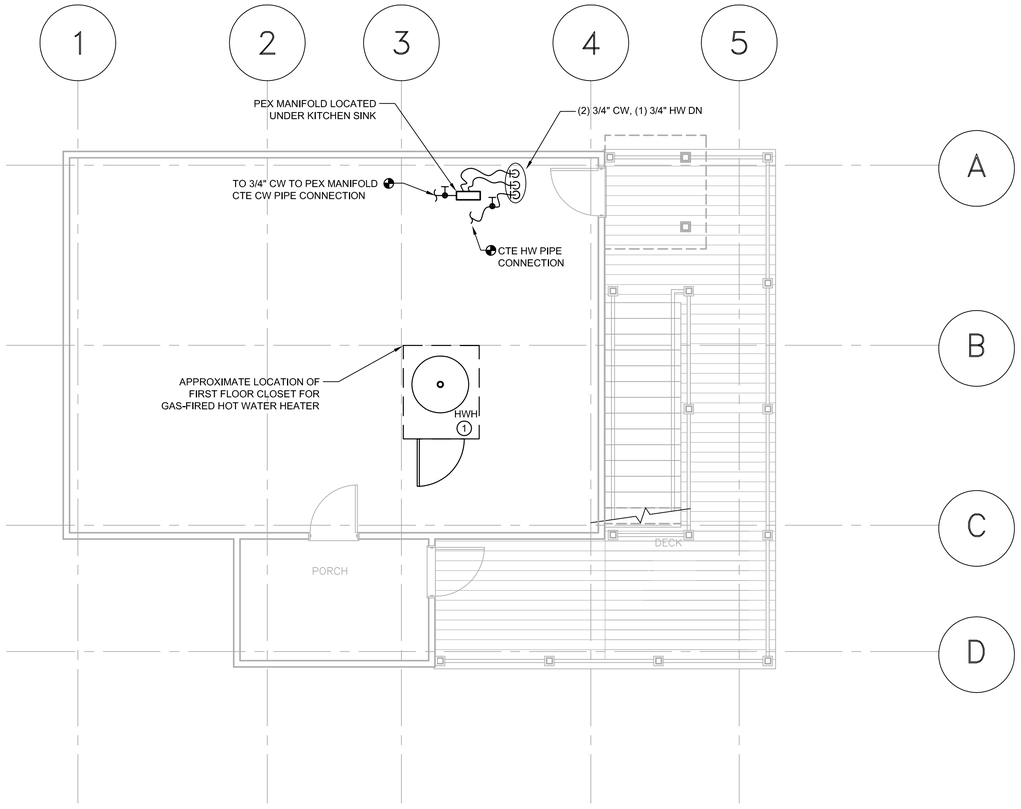
MECHANICAL & PLUMBING GROUND FLOOR PLAN

DTC PROJECT NUMBER:	13-449-010
DTC DRAWING FILE:	
SCALE: 1/4=1.0	DRAWN BY: RWF
DATE: 9/26/2014	CHECKED BY: RCN

SHEET: MP-100



1 FIRST FLOOR PLAN

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

0 4' 8' 16'

GENERAL NOTES:

1. REPLACE EXISTING HOT WATER HEATER VENT INTO MASONRY CHIMNEY WITH A 4"Ø VERTICAL METAL DOUBLE WALL B VENT UP TO ROOF TERMINATION. INSTALL PER MANUFACTURER'S GUIDELINES.
2. NOT USED ON THIS DRAWING.
3. NOT USED ON THIS DRAWING.

NOTES:

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MECHANICAL & PLUMBING
FIRST FLOOR PLAN

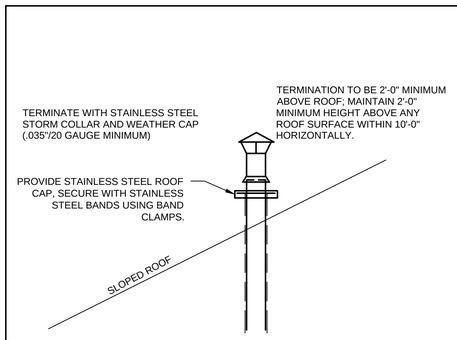
DTC PROJECT NUMBER:	13-449-010
DTC DRAWING FILE:	
SCALE: 1/4=1.0	DRAWN BY: RWF
DATE: 9/26/2014	CHECKED BY: RCN

SHEET:

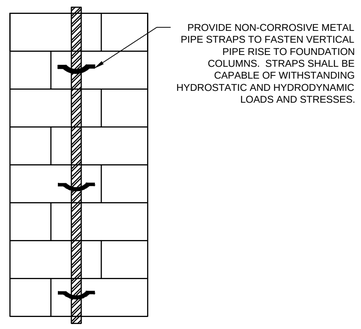
MP-101

PLUMBING FIXTURE/EQUIPMENT SCHEDULE

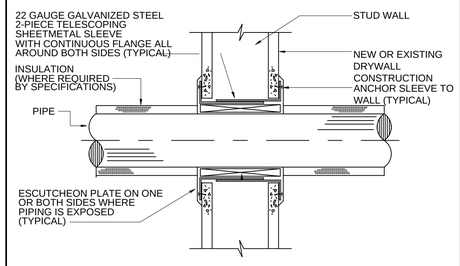
SYMBOL	MARK	MFR	MODEL	DESCRIPTION
◁	SH	SYMMONS	131SH-RP	2.0 GPM CHROME PLATED SHOWER HEAD, INCLUDE SHOWER ARM AND NECESSARY FITTINGS FOR COMPLETE INSTALLATION.
⊢	HB	WOODFORD	26 METAL HANDLE	CAST BRASS, CHROME FINISH, LOOSE KEY, ANTI-SIPHON ASSE RATED VACUUM BREAKER, TRIMLINE WALL HYDRANT w/ ½" INLET.
⊠	TMV	LAWLER	804	THERMOSTATIC MIXING VALVE- WATER HEATERS, 1-1/2" INLETS, 2" OUTLET.



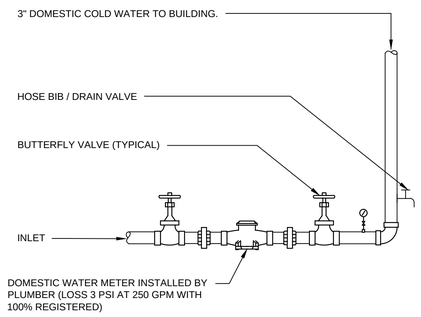
1 MP300 VENT TERMINATION DETAIL
NOT TO SCALE



2 MP300 FLOOD RESISTANT STRAPPING DETAIL
NOT TO SCALE



3 MP300 WALL/FLOOR PENETRATION DETAIL
NOT TO SCALE



4 MP300 VALVE AND WATER SERVICE ENTRANCE DETAIL
NOT TO SCALE

NOTES:

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MECHANICAL & PLUMBING SCHEDULES & DETAILS

DTC PROJECT NUMBER: 13-449-010	
DTC DRAWING FILE:	
SCALE: 1/4=1.0	DRAWN BY: RWF
DATE: 9/26/2014	CHECKED BY: RCN

SHEET:

MP-300

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	RECESSED PANELBOARD
	BRANCH CIRCUIT POWER WIRING
	BRANCH CIRCUIT HOME RUN
	SWITCHED WIRING
WP GFI	DUPLEX RECEPTACLE OUTLET WITH GROUND-FAULT CIRCUIT-INTERRUPTER AND IN WEATHERPROOF ENCLOSURE
A	SURFACE MOUNTED LIGHTING FIXTURE
B	WALL MOUNTED LIGHTING FIXTURE
J	WALL MOUNTED JUNCTION BOX
S	SINGLE POLE SWITCH
S_3^{WP}	THREE WAY SWITCH IN WEATHERPROOF ENCLOSURE
M	UTILITY METER
	MOTOR
H	MULTI-STATION HEAT DETECTOR

ELECTRICAL ABBREVIATIONS

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
CU	COPPER
DWG	DRAWING
EX	EXISTING TO REMAIN
GFI	GROUND-FAULT CIRCUIT-INTERRUPTER
HP	HORSEPOWER
J	JUNCTION
KV	KILOVOLT AMPERE
KVA	KILOVOLT AMPERE
M	METER
MC	METAL CLAD
MCA	MINIMUM CIRCUIT AMPACITY
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
TYP	TYPICAL
UL	UNDERWRITER'S LABORATORY
U.O.N.	UNLESS OTHERWISE NOTED
V	VOLTS
VA	VOLT-AMPERES
W	WATTS
WP	WEATHERPROOF
#	NUMBER
'	FEET
"	INCHES

ELECTRICAL GENERAL NOTES

1. UNLESS OTHERWISE INDICATED, FURNISH AND INSTALL A COMPLETE AND OPERATIONAL ELECTRICAL SYSTEM INCLUDING ALL NECESSARY MATERIAL, LABOR, AND EQUIPMENT.
2. 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.
3. FURNISH AND INSTALL A TEMPORARY ELECTRICAL SERVICE FOR ELECTRICAL POWER DURING CONSTRUCTION.
4. ALL EQUIPMENT AND MATERIAL SHALL BE LABELED AND LISTED, AND INSTALLED IN ACCORDANCE WITH THEIR LISTING.
5. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND ARRANGE FOR ALL REQUIRED INSPECTIONS IN ACCORDANCE WITH STATE GOVERNING AUTHORITIES.
6. ALL WORK SHALL BE DONE WITH LICENSED WORKMEN IN ACCORDANCE WITH STATE GOVERNING AUTHORITIES.
7. THE DEFINITION OF ELECTRICAL TERMS USED SHALL BE AS DEFINED IN THE 2011 EDITION OF THE NATIONAL ELECTRIC CODE (NEC).
8. THE TERM "INDICATED" SHALL MEAN "AS SHOWN ON CONTRACT DOCUMENTS (SPECIFICATIONS, DRAWINGS, AND RELATED ATTACHMENTS)".
9. 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".
10. ELECTRICAL PLANS AND DETAILS DO NOT SHOW ALL INTERFERENCE'S AND CONDITIONS, VISIBLE AND/OR HIDDEN, THAT MAY EXIST; THUS REQUIRING THE CONTRACTOR TO INSPECT AND SURVEY THE SPACE BEFORE PERFORMING THE WORK.
11. COORDINATE ELECTRICAL WORK WITH OWNER.
12. COORDINATE ELECTRICAL WORK WITH OTHER DIVISIONS OF THIS PROJECT.
13. 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.
14. BEFORE CUTTING OR DRILLING INTO BUILDING ELEMENTS INSPECT AND LAYOUT WORK TO AVOID DAMAGING STRUCTURAL ELEMENTS AND BUILDING UTILITIES.
15. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC) ANSI/NFPA 70 2011 EDITION.
16. TYPICAL MOUNTING HEIGHTS OF DEVICES SHALL COMPLY NECA 1-2010.
17. PENETRATIONS THROUGH GROUND SLAB SHALL BE SEALED WITH POLYURETHANE SEALANT TYPICAL FOR ALL PENETRATIONS.
18. FURNISH AND INSTALL MEANS OF DISCONNECTION FOR ALL MOTORIZED EQUIPMENT AND APPLIANCES IN ACCORDANCE WITH NEC.

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"
2#8&1#10G.	40A	2#8&1#10G.	40A	3/4"
2#6&1#10G.	50A	2#6&1#10G.	50A	1"
SERVICE		3#1&1#6G.	100A	1-1/2"

NOTES
1. ALL BRANCH CIRCUIT USED INDOORS SHALL BE WIRED WITH NONMETALLIC SHEATHED CABLE (ROMEX), U.O.N.
2. ALL EQUIPMENT AND DEVICES LOCATED OUTDOORS SHALL BE CIRCUITED WITH CONDUIT AND WIRING.

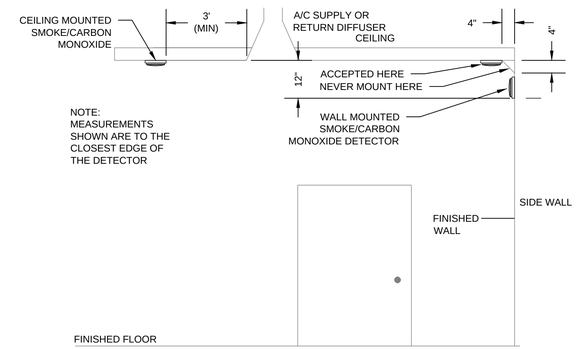
DRAWING LIST

SHEET	NAME
E-001	ELECTRICAL NOTES, LEGENDS, ABBREVIATIONS, DETAILS & SCHEDULES
E-100	ELECTRICAL FOUNDATION & DECK PLANS

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, WET LOCATION LISTED, ENERGY STAR RATED, CONTROLLED BY INTEGRAL OCCUPANCY SENSOR.	120V	23W	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.



1 / E-001 SMOKE & SMOKE/CARBON MONOXIDE MOUNTING HEIGHTS (PER NFPA 72) DETAIL

N.T.S.

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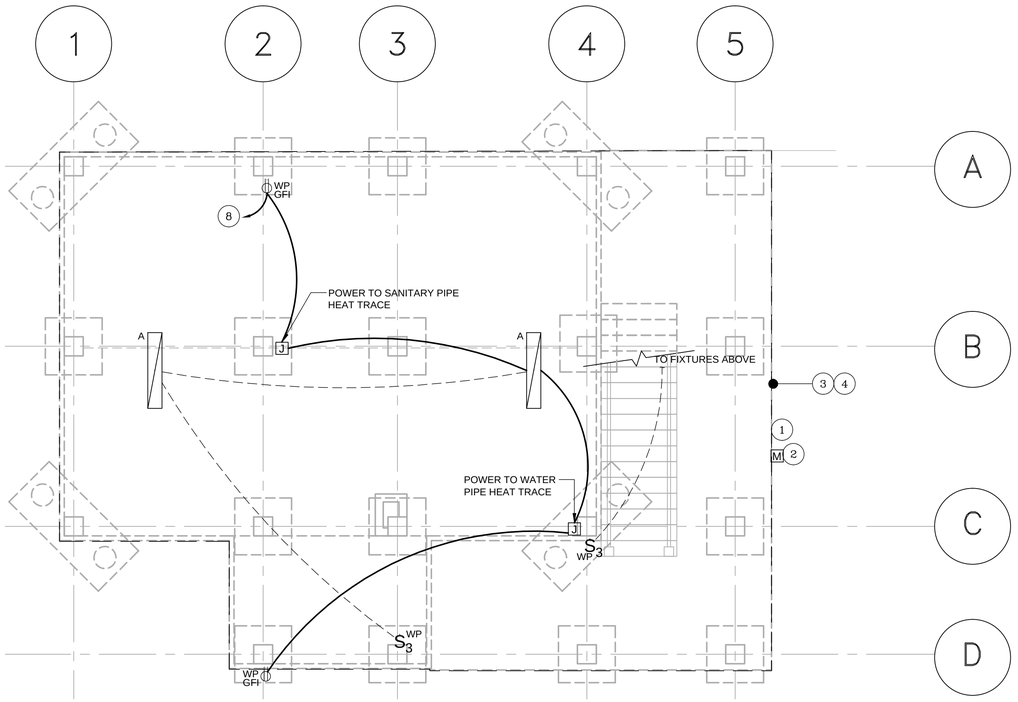
7 ORLAND STREET
MILFORD, CT 06460

ELECTRICAL NOTES, LEGENDS, ABBREVIATIONS, DETAILS & SCHEDULES

DTC PROJECT NUMBER: 13-449-010
DTC DRAWING FILE:
SCALE: NONE | DRAWN BY: WM
DATE: 9/26/2014 | CHECKED BY: JP
SHEET:

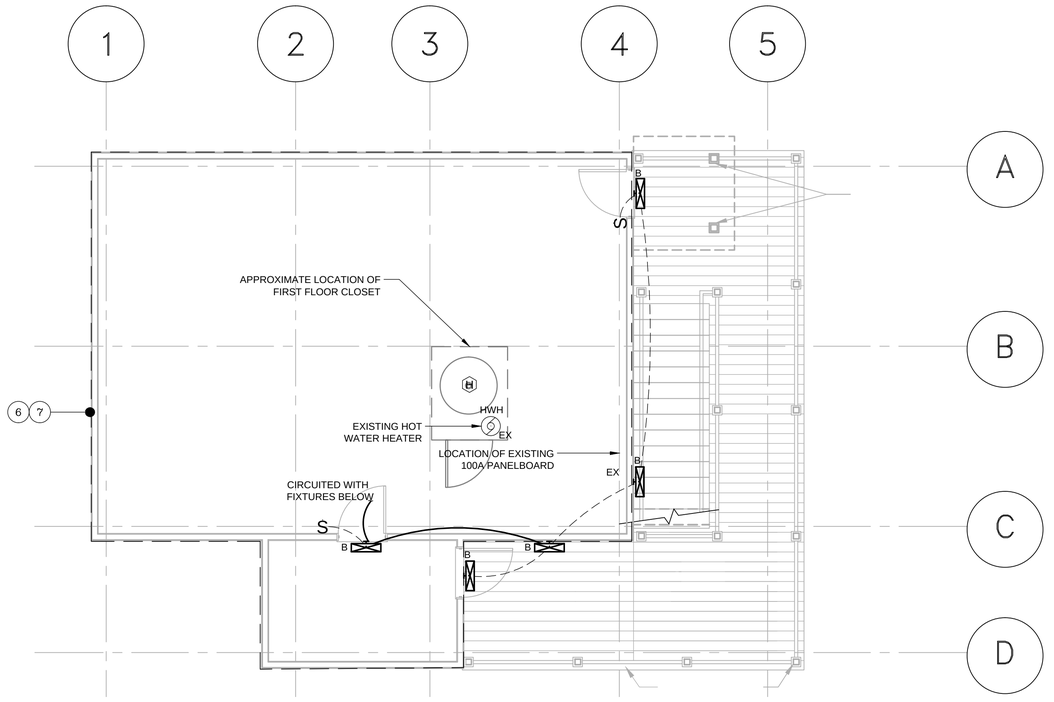
E-001



1 FOUNDATION PLAN

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

0 4' 8' 16'



2 DECK PLAN

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

0 4' 8' 16'

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. 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.
5. ALL BRANCH CIRCUIT USED INDOORS SHALL BE WIRED WITH NM CABLE U.O.N. REFER TO FEEDER SCHEDULE ON DRAWING E-001 FOR SIZING.
6. ALL EQUIPMENT AND DEVICES LOCATED OUTDOORS SHALL BE CIRCUITED WITH CONDUIT AND WIRING. REFER TO FEEDER SCHEDULE ON DWG E-001 FOR SIZING.
7. CONTRACTOR SHALL CUT, PATCH AND PAINT ALL EXISTING AREAS THAT ARE AFFECTED BY NEW CONSTRUCTION.
8. ALL SMOKE, HEAT AND COMBINATION SMOKE/CARBON MONOXIDE DETECTORS SHALL BE WIRED TOGETHER WITH AC CABLE AND METAL OUTLET BOX.
9. ALL 125 -VOLT 15 AND 20 AMP RECEPTACLES LOCATED AT 5 1/2 ' AFF OR BELOW SHALL BE TAMPER RESISTANT.

ELECTRICAL KEYNOTES (#)

1. 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.
2. 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.
3. REPLACE ALL EXISTING WIRING IN CRAWLSPACE BENEATH FIRST LEVEL DUE TO IMMERSION IN SALTWATER. NEW WIRING SIZE AND QUANTITY TO MATCH EXISTING.
4. PVC CONDUIT AND WIRING SHALL BE USED FOR ALL DEVICES IN LOCATED IN THE BASEMENT.
5. CONTRACTOR SHALL COMBINE TWO EXISTING LIGHTING CIRCUITS TO A SINGLE CIRCUIT AND USE THE SPARE CIRCUIT FOR POWER TO NEW DETECTORS.
6. PROVIDE (1) MULT-STATION COMBINATION SMOKE/CARBONMON DETECTOR ON EACH FLOOR OF EXISTING RESIDENCE. DETECTOR SHALL BE WIRED TO EXISTING SPARE CIRCUIT BREAKER.
7. PROVIDE MULT-STATION SMOKE DETECTOR IN EACH BEDROOM. SMOKE DETECTOR SHALL BE WIRED TO CIRCUIT EXISTING SPARE CIRCUIT BREAKER.
8. WIRE NEW RECEPTACLES AND LIGHTING FIXTURES TO CIRCUIT IN EXISTING PANELBOARD. CONTRACTOR SHALL TEST EXISTING CIRCUITS TO SEE WHICH CAN HANDLE THE ADDITIONAL LOAD.S

PANELBOARD RP (EXIST.)

CLASS: (●) Lighting ( ) Distribution
BUS SIZE 100A
VOLTAGE CLASS: 240/120V, 1 Ø ,3W
SCR (FULLY RATED) 22 KAIC
S/E RATING NO
MOUNTING RECESSED
CB TYPE 100A
FEEDER ENTRANCE TOP
LOCATION KITCHEN

BREAKER			PHASE LOAD - KVA				BREAKER			
#	A	P	DESCRIPTION	LOAD	A	B	LOAD	DESCRIPTION	A	P	#
1	100	2	MAIN CIRCUIT BREAKER	-	-		-	EXIST. FURNACE	15	1	2
3	-	-	-	-		-	-	EXIST. DINNING ROOM	20	1	4
5	20	1	EXIST. KITCHEN RECPT	-	-		-	EXIST. LIGHTING	15	1	6
7	20	1	EXIST. DISHWASHER	-		-	-	EXIST. WATER HEATER	30	2	8
9	15	1	EXIST. KITCHNEN LTG	-	-		-	-	-	-	10
11	20	1	EXIST. KITCHEN RECPT	-		-	-	EXIST. RANGE	50	2	12
13	15	1	EXIST. LIVINGROOM RECPT	-	-		-	-	-	-	14
15	15	1	EXIST. 2ND FLOOR	-		-	-	EXIST. LOAD	20	1	16
TOTAL LOAD PER PHASE:					0.0	0.0					
TOTAL LOAD ON PANEL:					**0.00**	**KVA**					

NOTE
1. ALL DEVICESS SHOWN ARE EXISTING TO REMAIN.

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OORR
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MILFORD, CT 06460

ELECTRICAL FOUNDATION & DECK PLANS

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