

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

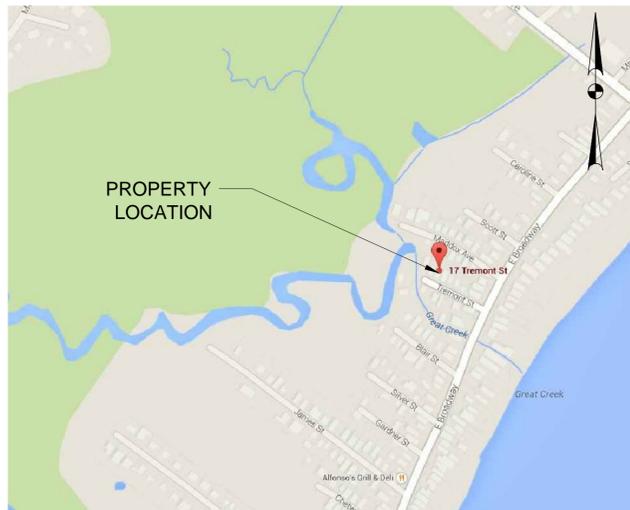
OWNER-OCCUPIED REHABILITATION AND REBUILDING PROGRAM (OORR)

STORM SANDY RELIEF

GOVERNOR DANIEL P. MALLOY

**COMMISSIONER OF HOUSING
EVONNE M. KLEIN**

**APPLICATION NO. 1305
17 TREMONT STREET
MILFORD, CT 06460
MARCH 26, 2015**

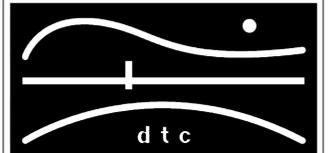


PROJECT LOCATION MAP
NTS

DRAWING INDEX	
SHEET NO.	DRAWING TITLE
G-100	COVER SHEET
C-100	SITE PLANS
C-101	BORING LOGS & DETAILS
S-001	GENERAL NOTES
S-101	FOUNDATION & FRAMING PLANS
S-301	SECTIONS & DETAILS
D-100	DEMO PLANS
A-100	FLOOR PLANS
A-101	FRONT & RIGHT ELEVATIONS
A-102	REAR & LEFT ELEVATIONS
A-103	MISC. DETAILS
MP-001	MECHANICAL & PLUMBING GENERAL NOTES & DETAILS
MP-100	MECHANICAL & PLUMBING PLAN
E-001	ELECTRICAL NOTES, LEGENDS, ABBREVIATIONS, DETAILS & SCHEDULES
E-100	ELECTRICAL FLOOR PLANS

NOTES:

REVISIONS



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

Robert L. Tobin
Architect

115 Wigwam Lane Stratford, CT 06614
(203) 386-8100
Bob@rltarchitect.com

OORR
APPLICATION NO. 1305

COOPER RESIDENCE
17 TREMONT STREET
MILFORD, CT

COVER SHEET

DTC PROJECT NUMBER: 13-449-029

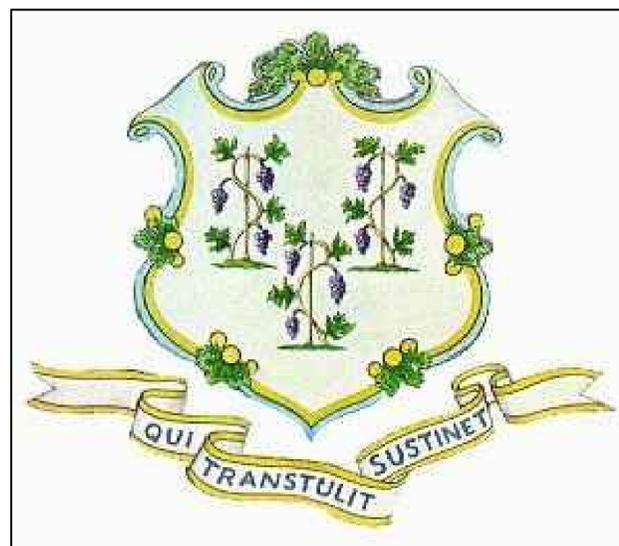
DTC DRAWING FILE:

SCALE: DRAWN BY:

DATE: 3/26/2015 CHECKED BY:

SHEET:

G-100



STANDARD	REQUIRED	EXISTING	PROPOSED
LOT AREA (S.F.) (MINIMUM)	5,000	2,084	EXIST. TO REMAIN
LOT WIDTH (MINIMUM)	50'	30.00'	EXIST. TO REMAIN
LOT DEPTH (MINIMUM)	70'	70.15'	EXIST. TO REMAIN
HEIGHT (MAXIMUM)	35'	22.0'	29.5'
STORIES (MAXIMUM)	3	2	3
SETBACK FROM STREET LINE	10'	-0.24'	0.04'
SETBACK FROM REAR LINE	20'	-0.45'	6.23'
SETBACK FROM SIDE LINE	10'	2.12'	2.76'
BUILDING AREA AS % LOT	45%	41.3%	41.3%
LOT COVERAGE (MAXIMUM)	65%	76.8%	62.3%

AVERAGE GRADE AT BUILDING =
 $(4.72' + 4.58' + 4.40' + 4.27' + 4.39' + 4.29' + 4.49' + 4.92' + 4.89' + 5.05' + 5.21' + 5.34' + 5.42' + 5.54' + 5.03' + 4.85') / 16 = 4.84'$
 EXISTING ELEVATION OF BUILDING ROOF AT PEAK = 26.84'
 EXISTING BUILDING HEIGHT = 26.84' - 4.84' = 22.0'
 BUILDING TO BE RAISED 7.5'
 PROPOSED BUILDING HEIGHT = 22.0' + 7.5' = 29.5'

NOTES

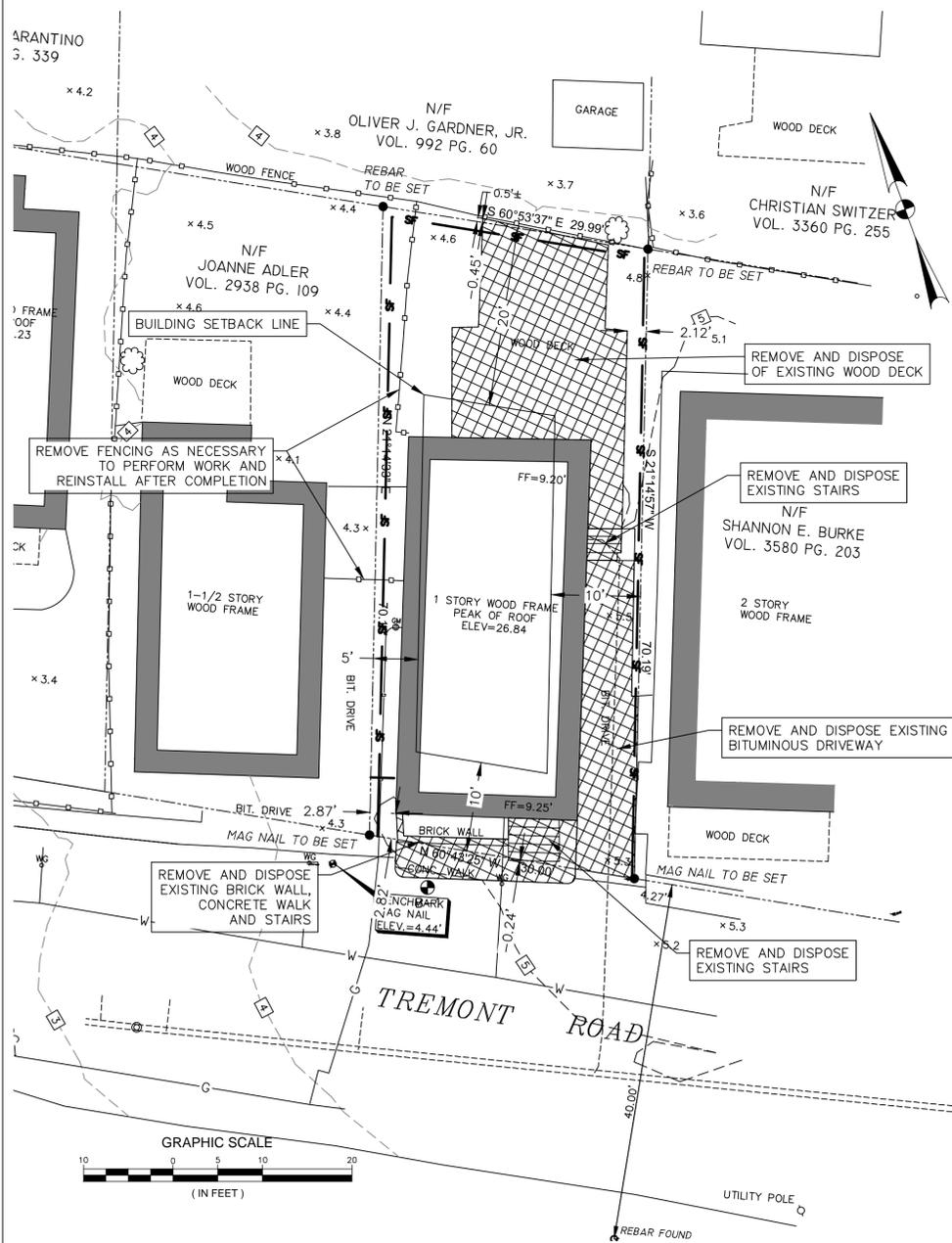
- CONTRACTOR TO SURVEY BUILDING AS IS AND IS RESPONSIBLE FOR ADHERING TO ZONING VARIANCES AND EXISTING NON-CONFORMING SETBACKS AS SHOWN ON THIS SHEET.
- CONTRACTOR TO DEMOLISH EXISTING BITUMINOUS DRIVEWAY, GRADE TO MATCH EXISTING GRADE.
- ALL DISTURBED AREAS NOT TO BE OTHERWISE PAVED OR COVERED SHALL BE LOAM & SEED.
- CALL BEFORE YOU DIG - THE CONTRACTOR IS HEREBY REMINDED THAT THE CONNECTICUT GENERAL STATUTES 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.
- 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
- PROTECT EXISTING VEGETATION ON PROPERTY NOT WITHIN CONSTRUCTION AREA. COORDINATE WITH HOMEOWNER.
- ALL UTILITY LATERAL LOCATIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD LOCATE ALL EXISTING UTILITY LATERALS AND MAKE CONNECTIONS AFTER HOUSE IS RAISED.
- NO STOCKPILING OF SOIL WILL BE ALLOWED ON SITE. EXCESS SOIL MUST BE REMOVED FROM SITE.

LEGEND

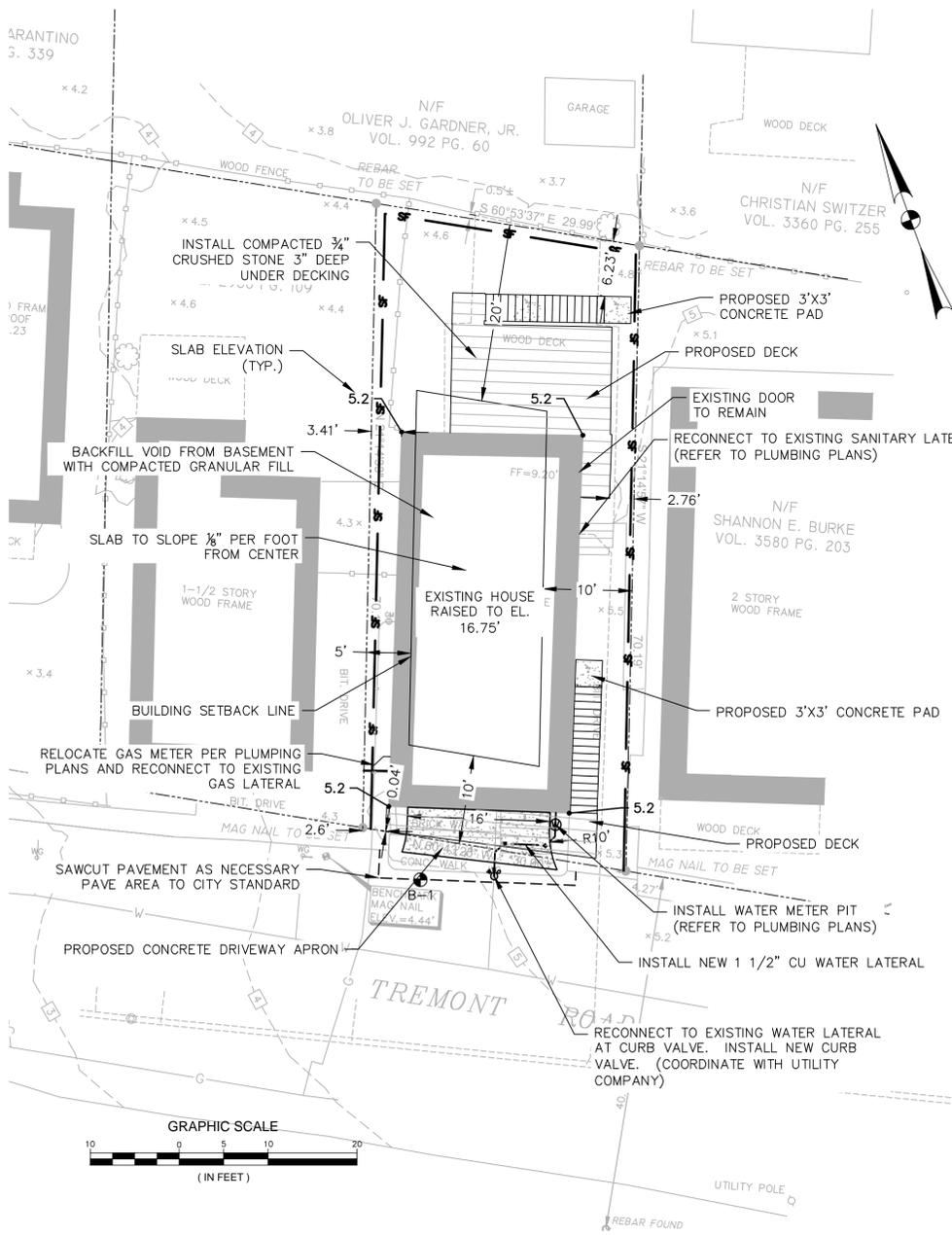
- Street Line
- Property Line
- Building Setback Line
- Silt Fence
- Chain Link Fence
- Wooden Rail Fence
- Item to be Demolished
- Proposed Spot Elevation
- Test Boring Location

- Underground Piping (San., Stm.)
- U/G Gas Line
- U/G Elec. Line
- Water Line
- U/G Tele. Line
- Chain Link Fence
- Tree Line
- Stone Wall

- Iron Pin (Found)
- Monument (Found)
- Rebar To Be Set
- Sign
- Manhole
- "C" Catch Basin
- "C-L" Catch Basin
- Utility Pole
- Mail Box
- Light Pole
- Metal Post
- Guy Anchor
- Water Gate
- Gas Valve
- Gas Meter
- Shrub/Bush
- Deciduous Trees
- Evergreen Trees



DEMOLITION PLAN

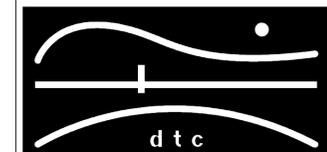


SITE PLAN

SURVEY INFORMATION IS BASED ON
 A-2 SURVEY MAP PREPARED BY:
 MARTIN SURVEYING ASSOCIATES, LLC
 DATED: 9/2/2014
 SEALED BY: DEAN MARTIN L.S. 70147

NOTES:

REVISIONS



DIVERSIFIED TECHNOLOGY CONSULTANTS
 2321 WHITNEY AVE. HAMDEN CT 06518
 203.239.4200 203.234.7376 FAX

OORR
APPLICATION NO. 1305

COOPER RESIDENCE
17 TREMONT STREET
MILFORD, CT

SITE PLANS

DTC PROJECT NUMBER: 13-449-029

DTC DRAWING FILE:

SCALE: DRAWN BY: EPZ

DATE: 3/26/2015 CHECKED BY: JAB

SHEET:

C.100

Mar. 30, 2015 - 1:56pm
 P:\2013\13449_001_C000-OR_Summary\029 - 1305_Milford\Design\DWG\13-449-029-C100-SitePlans.dwg
 eric.zornicki

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"

- 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.
- 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.
- IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, ANGLES AND EXISTING CONDITIONS BEFORE PROCEEDING WITH ANY WORK.
- ALL SECTIONS AND DETAILS SHALL BE CONSIDERED TYPICAL AND APPLY FOR THE SAME AND SIMILAR SITUATIONS THROUGHOUT THE BUILDING, UNLESS OTHERWISE SPECIFICALLY NOTED.
- NEW, ALTERED, OR REPAIRED ELEMENTS CONFORM TO THE 2009 INTERNATIONAL RESIDENTIAL CODE FOR ONE AND TWO FAMILY DWELLINGS INCLUDING THE CONNECTICUT 2013 AMMENDMENT TO THE STATE BUILDING CODE.
- ELEVATION OF THE BOTTOM OF THE LOWEST HORIZONTAL STRUCTURAL MEMBER SHALL BE ELEVATION 16.0.

FOUNDATIONS

- BOTTOM OF ALL EXTERIOR FOOTINGS SHALL BE AT LEAST 3'-6" BELOW FINISHED GRADE.
- 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.
- 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).
- WHERE REQUIRED, CONSTRUCTION JOINTS SHALL BE KEYPED AND OCCUR AT CONTROL JOINT INTERVALS.

HELICAL MICROPILES

- GENERAL NOTES ARE MEANT TO COMPLIMENT THE HELICAL PILE SPECIFICATIONS AND SHOULD BE CONFORMED TO DURING DESIGN AND INSTALLATION.
- 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.
- THE HELICAL PILE CONTRACTOR IS RESPONSIBLE FOR SELECTION OF CONSTRUCTION MEANS, METHODS, SEQUENCING AND VERIFYING ALL DIMENSIONS PRIOR TO CONSTRUCTION.
- HELICAL MICROPILES SHALL BE DESIGNED FOR THE FOLLOWING ALLOWABLE LOADS:
 - a. DESIGN/ALLOWABLE COMPRESSION LOAD PER PILE = 35 KIPS
 - b. DESIGN/ALLOWABLE TENSION LOAD PER PILE = 6 KIPS
 - c. DESIGN/ALLOWABLE LATERAL LOAD PER PILE = 1.5 KIPS
- A FACTOR OF SAFETY OF 2.0 SHALL BE APPLIED TO THE ALLOWABLE LOADS TO DETERMINE THE ULTIMATE CAPACITY PER HELICAL MICROPILE.
- THE GEOTECHNICAL REPORT AND BORING LOGS DATED (AUGUST 22, 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.
- MINIMUM REQUIRED DEPTH FROM FINISHED GRADE = 40 FEET
- HELICAL MICROPILES SHALL CONSIST OF A 8" CASSED GROUT COLUMN. HELICAL PILE SHALL BE DESIGNED BY THE CONTRACTOR WITH DESIGN SUBMITTED FOR REVIEW AND APPROVAL FOR BIDDING PURPOSES. THE BIDDERS SHOULD ASSUME A 8" UNCASED GROUT COLUMN WITH THE UPPER 12'-0" TO BE CASSED WITH A STEEL CASING 10" IN DIAMETER WITH A 3/8" THICKNESS. PILE TYPE SS175, HELIX PLATES, 8-10-12. ALL PILES ARE ASSUMED TO 40 FEET PLUS LONG TO BEDROCK WITH A FIELD INSTALLATION TORQUE OF 7000 FT.-LB.
 - a. SEE DETAIL 1 FOR PILE TYPE LIMITS BELOW AND ABOVE GRADE.
- CENTRAL SHAFT PILE TYPE: 1.75" SOLID SHAFT OR AS REQUIRED.
 - a. THE CENTRAL SHAFT SHALL EXTEND FROM THE LEAD SECTION TO THE UNDERSIDE OF THE FOOTING.
- LEAD SECTION HELIX PLATES: 8-10-12 OR AS REQUIRED.
- TERMINATION: CONSTRUCTION CAP FOR COMPRESSION.
- REQUIRED FIELD INSTALLATION TORQUE = 7000 FT.-LBS

- 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.

- ALL HELICAL PILE MATERIAL SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A153/A123.
- ABOVE AND BELOW GRADE STEEL PIPE MATERIAL SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A153/A123.

- 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.

- 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.

- 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

- 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 KEYPED 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

- 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".
- REINFORCING STEEL SHALL BE 60,000 PSI YIELD.
- NO TACK WELDING OF REINFORCING WILL BE PERMITTED.
- UNLESS NOTED OTHERWISE, ALL LAP SPLICES SHALL BE CLASS B, IN ACCORDANCE WITH ACI 318-02.
- WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
- WIRE MESH REINFORCEMENT MUST LAP ONE MESH SIZE AT SIDES AND ENDS AND BE WIRED TOGETHER.
- WELDED WIRE FABRIC SIDE LAPS SHALL BE STAGGERED TO AVOID FOUR MESH THICKNESS AT COINCIDING END LAP AND SIDE LAP LOCATION.
- NO CALCIUM CHLORIDE OR ADMIXTURES CONTAINING MORE THAN 0.1% CHLORIDE BY WEIGHT OF ADMIXTURE SHALL BE USED IN THE CONCRETE.
- 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.
- PROVIDE CORROSION RESISTANT ACCESSORIES IN ALL EXPOSED CONSTRUCTION.
- ALL KEYS IN CONCRETE WALLS SHALL BE 2 X 4 UNLESS NOTED OTHERWISE.
- 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).
- ALL CONCRETE TO REMAIN EXPOSED TO VIEW SHALL RECEIVE A SMOOTH RUBBED FINISH (SEE SPECIFICATIONS).
- 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.
- 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
- PROVIDE NO OPENINGS IN CONCRETE BEAMS UNLESS DETAILED ON THE STRUCTURAL DRAWINGS.
- 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.
- 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.
- 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.

WOOD FRAMING

- 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:

F _b	= 900 PSI FOR BENDING
F _c (perp.)	= 625 PSI FOR COMPRESSION PERP. TO GRAIN
F _c (par.)	= 1350 PSI FOR COMPRESSION PARALLEL TO GRAIN
F _v	= 125 PSI FOR HORIZONTAL SHEAR
E	= 1,600,000 PSI MODULUS OF ELASTICITY

- FLOOR JOIST BRIDGING:
 - PROVIDE 1" X 3" DIAGONAL BRIDGING (OR EQUIVALENT) AT 8'-0" MAXIMUM ON CENTER.

- 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.

- CONNECTIONS AND FASTENINGS: ALL MEMBERS SHALL BE FASTENED AT THEIR JUNCTIONS WITH APPROVED CONNECTORS, SPIKES NAILS, STRAPS, OR OTHER DEVICES.

- DOUBLE UP JOISTS AND RAFTER UNDER ALL HVAC UNITS, UNDER ALL PARTITIONS, AND ELSEWHERE AS INDICATED ON THE DRAWINGS.

- ALL OPENINGS SHALL BE FRAMED WITH DOUBLE POSTS, DOUBLE JOISTS OR DOUBLE RAFTERS AND HEADERS ON END (UPRIGHT), UNLESS OTHERWISE INDICATED.

- 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 MANUFACTURERS RECOMMENDATIONS.

- MEMBERS INDICATED THUS: "LVL" SHALL BE LAMINATED VENEER LUMBER, "MICROLAM" SECTIONS WITH THE FOLLOWING MINIMUM MATERIAL PROPERTIES:

F _b	= 2600 PSI
F _c (perp.)	= 750 PSI
F _c (par.)	= 2510 PSI
F _v	= 265 PSI
E	= 1,900,000 PSI

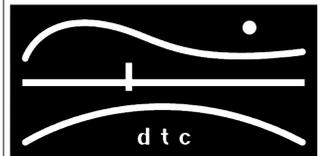
- ALL EXTERIOR WOOD SHALL BE PREEASURE TREATED.

- ALL PARALLAM PSL PLUS MEMBERS SHALL HAVE THE FOLLOWING PROPERTIES AND BE PRESURE TREATED (WOLMANIZED).

F _b	= 2900 PSI
F _c (perp.)	= 750 PSI
F _c (par.)	= 2900 PSI
F _v	= 290 PSI
E	= 2,000,000 PSI

NOTES:

REVISIONS



DIVERSIFIED TECHNOLOGY CONSULTANTS
2321 WHITNEY AVE. HAMDEN CT 06518
203 238 4200 203 234 7376 FAX

OORR
APPLICATION NO. 1305

COOPER RESIDENCE
17 TREMONT STREET
MILFORD, CT

GENERAL
NOTES

DTC PROJECT NUMBER: 13-449-029

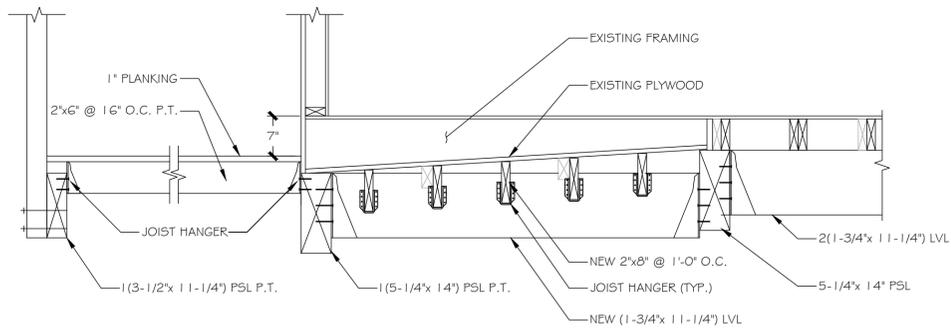
DTC DRAWING FILE:

SCALE: 1:1 DRAWN BY: REM

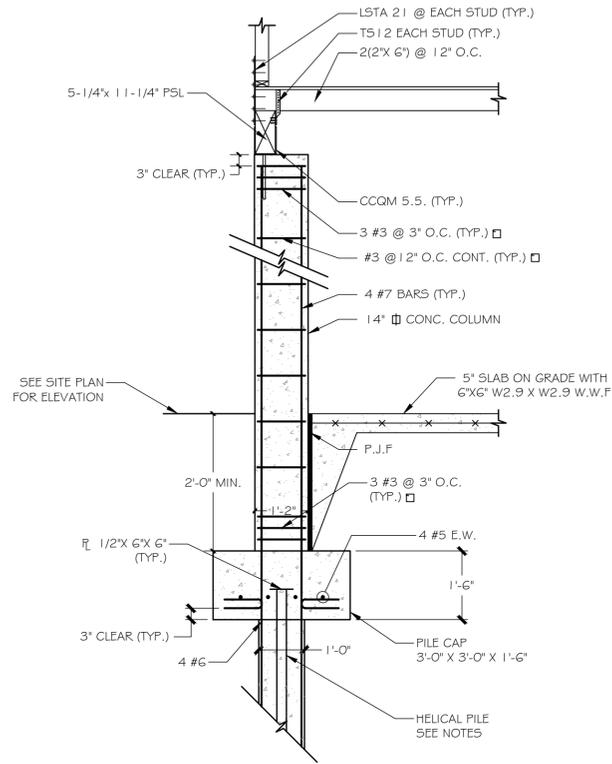
DATE: 3/26/2015 CHECKED BY: FC

SHEET:

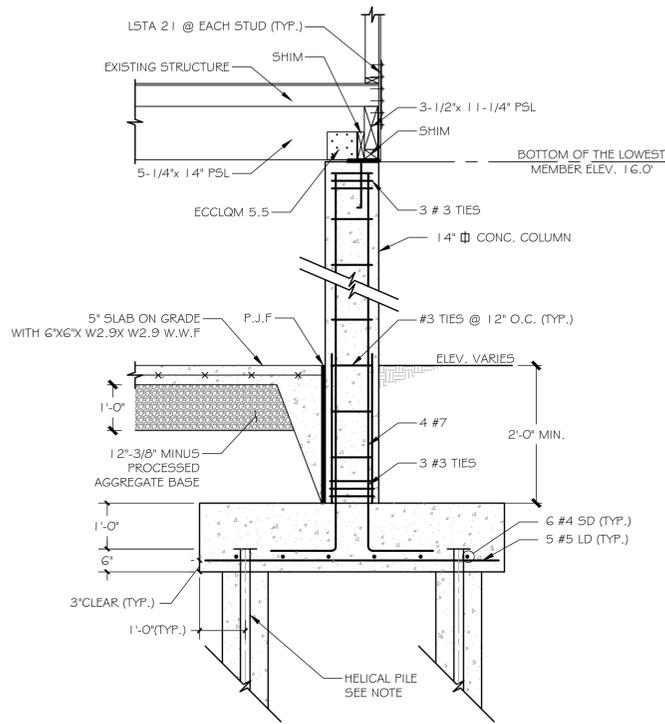
S-001



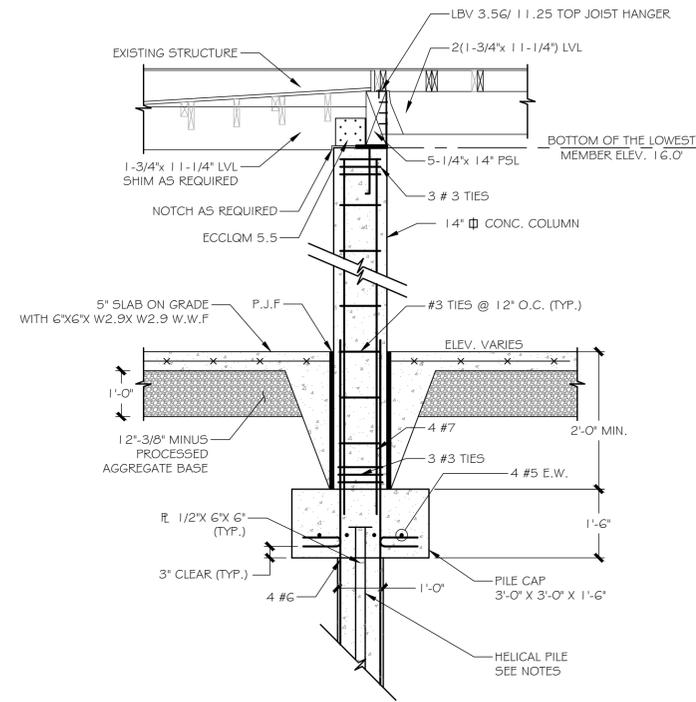
SECTION 1
5-301 SCALE: 3/4" = 1'-0"



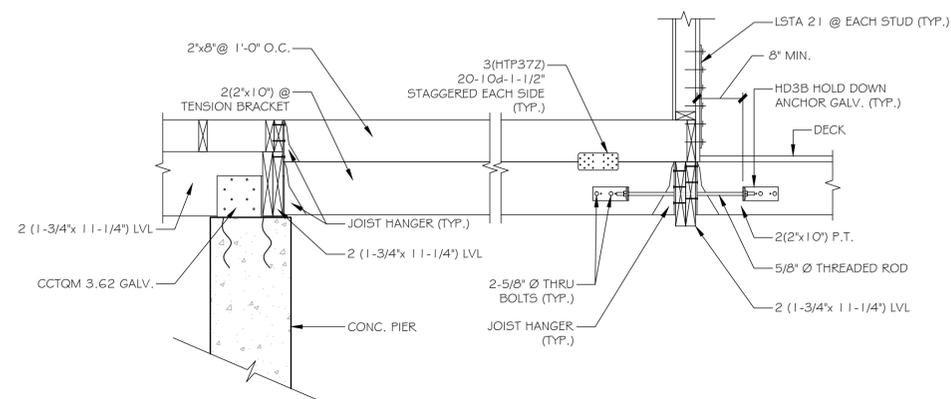
SECTION 2
5-301 SCALE: 1/2" = 1'-0"



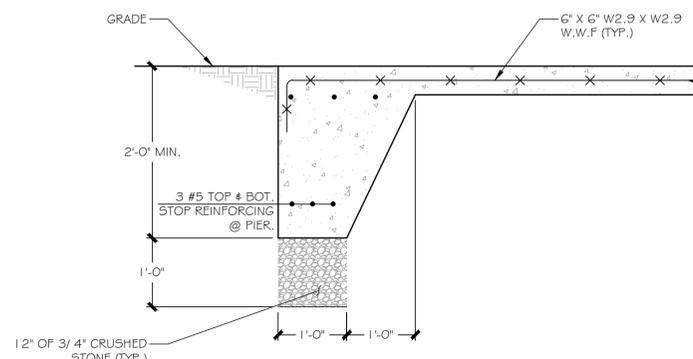
SECTION 3
5-301 SCALE: 1/2" = 1'-0"



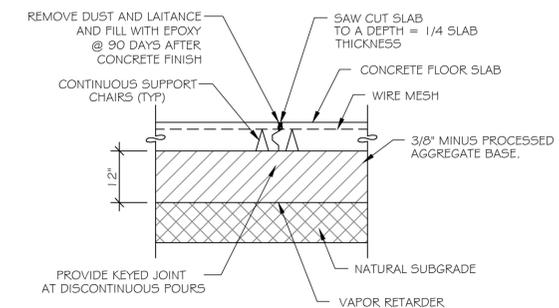
SECTION 4
5-301 SCALE: 1/2" = 1'-0"



SECTION 5
5-301 SCALE: 1/2" = 1'-0"



SECTION 6
5-301 SCALE: 3/4" = 1'-0"



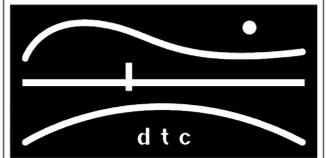
SECTION 7 CONTROL JOINT DETAIL
5-301 SCALE: 3/4" = 1'-0"

NOTES

1. HELICAL PILE SHALL BE DESIGNED BY THE CONTRACTOR WITH DESIGN SUBMITTED FOR REVIEW AND APPROVAL FOR BIDDING PURPOSES. THE BIDDERS SHOULD ASSUME A 8" UNCASED GROUT COLUMN WITH THE UPPER 12'-0" TO BE CASED WITH A STEEL CASING 10" IN DIAMETER WITH A 3/8" THICKNESS. PILE TYPE 55175, HELIX PLATES, 8'-0"-12'. ALL PILES ARE ASSUMED TO 40 FEET PLUS LONG TO BEDROCK WITH A FIELD INSTALLATION TORQUE OF 7000 FT.-LB.
2. SEE GEOTECHNICAL REPORT FOR DEPTH OF ORGANIC MATERIAL AND OTHER DATA.

NOTES:

REVISIONS



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

OORR
APPLICATION NO. 1305

COOPER RESIDENCE
17 TREMONT STREET
MILFORD, CT

SECTIONS & DETAILS

DTC PROJECT NUMBER: 13-449-029

DTC DRAWING FILE:

SCALE: VARIES DRAWN BY: REM

DATE: 3/26/2015 CHECKED BY: FC

SHEET:

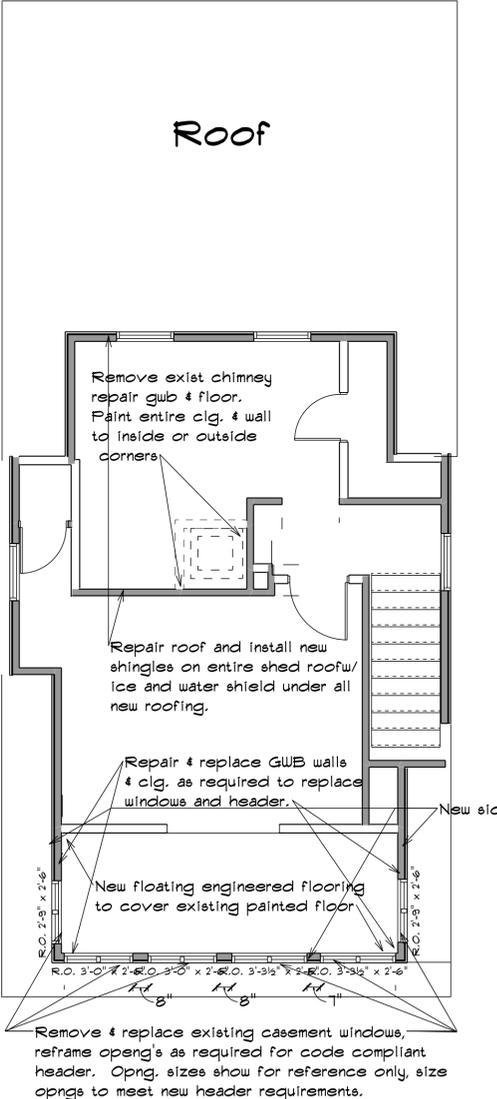
S-301

Insulation:
 Walls N/A
 Floors R-30
 Roof N/A

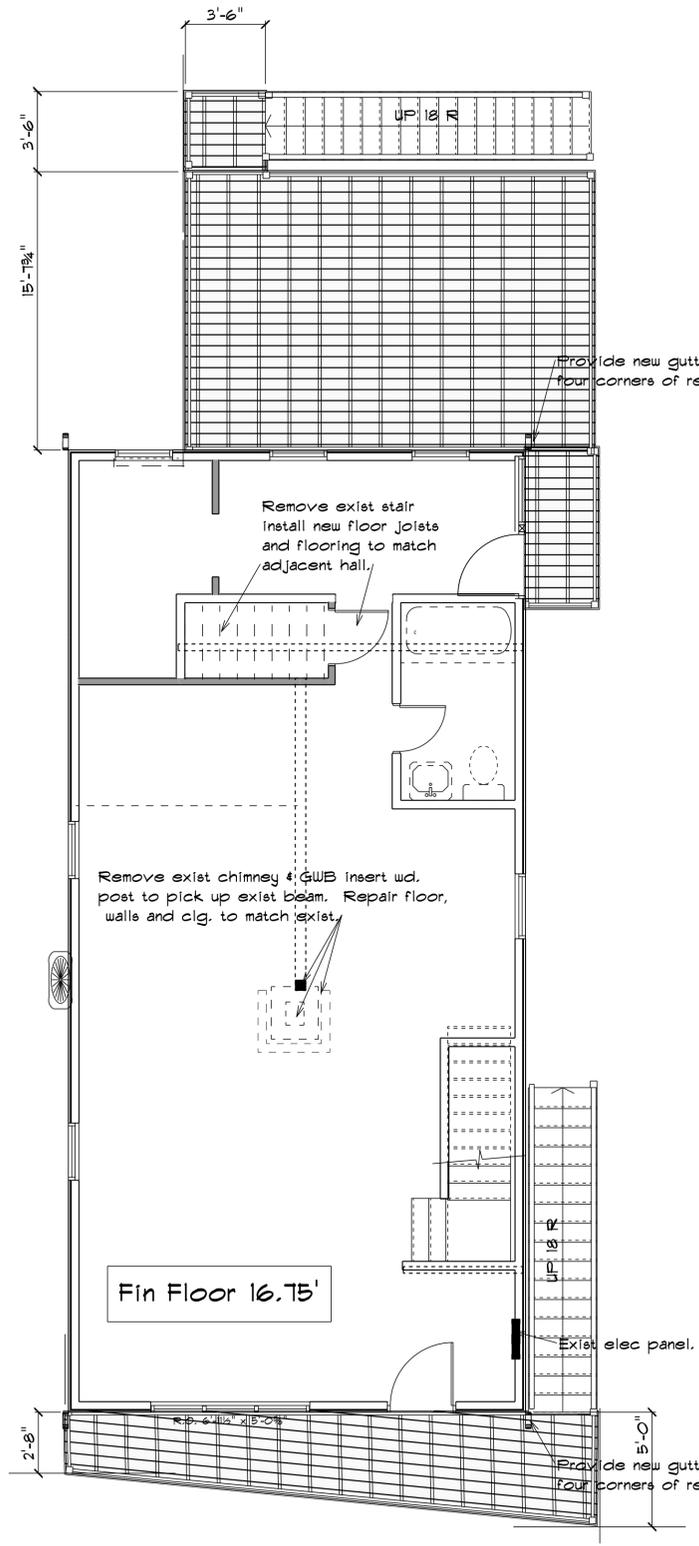
Windows:
 DF 35 required all windows and doors, wind pressure calculated to be 28-30 for windows.

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

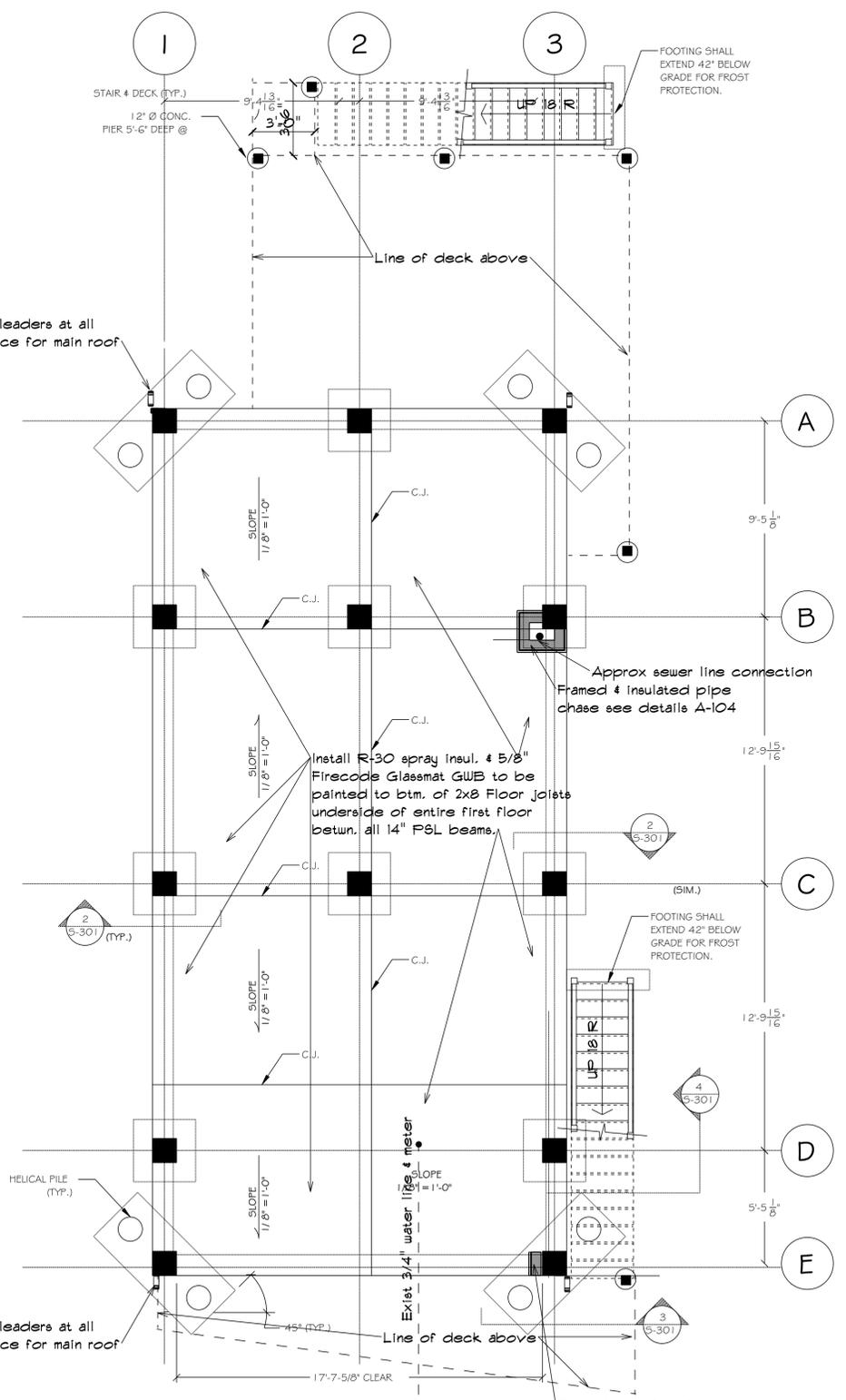
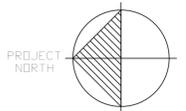
Code Notes:
 2009 IRC with 2005 CT Supplement And 2009 & 2013 Amendments
 2011 NEC
 2009 IECC



Second Floor Plan

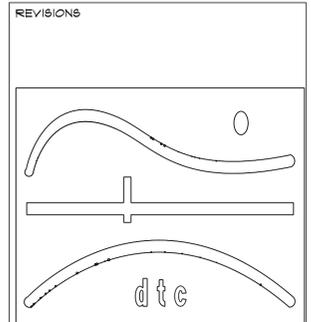


First Floor Plan



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

NOTES:



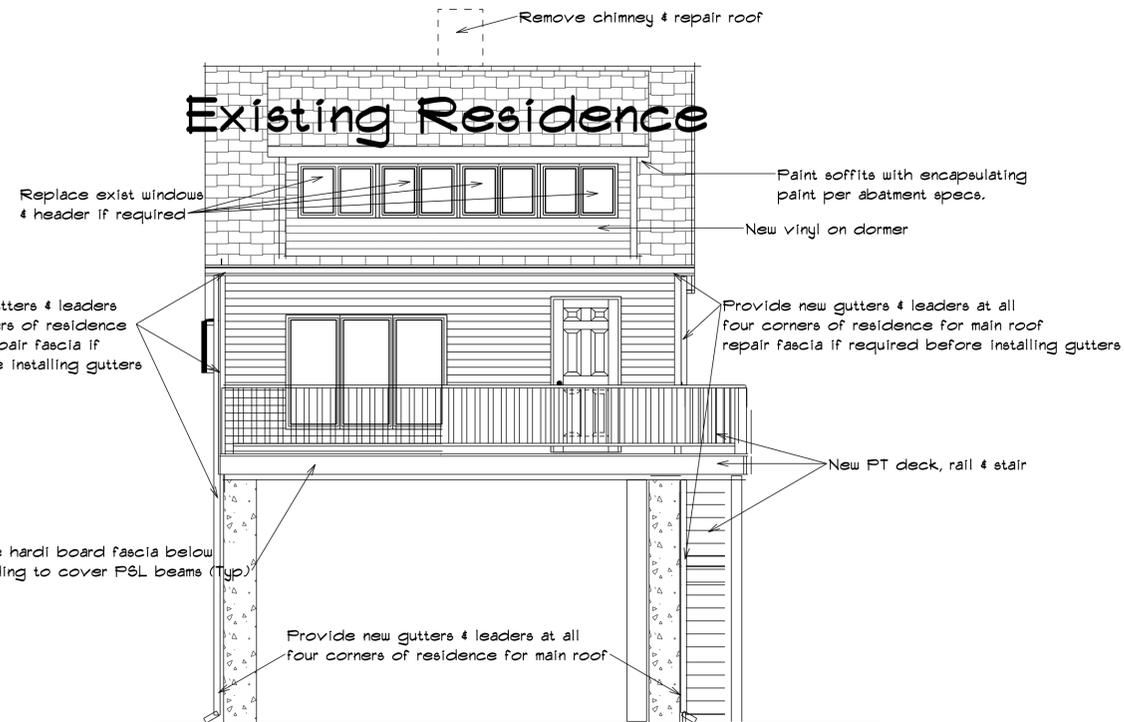
DIVERSIFIED TECHNOLOGY CONSULTANTS
 2321 WHITNEY AVE HAMDEN CT 06518
 203 239 4200 203 234 1316 FAX
Robert L. Tobin
 Architect
 115 Wigwam Lane Stratford, CT 06614
 (203) 386-8100
 Bob@rltarchitect.com

OORR
 APPLICATION NO. 1305
 COOPER RESIDENCE
 17 TREMONT AVE.
 MILFORD, CT

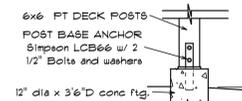
FLOOR PLANS

DTC PROJECT NUMBER: 13-449-023
 DTC DRAWING FILE:
 SCALE: 1/4" = 1'-0" DRAWN BY: RLT
 DATE: 3-26-2015 CHECKED BY:

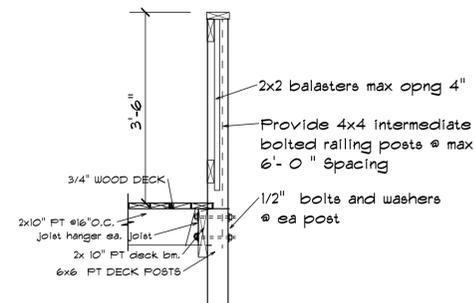
SHEET:
A-100



Front Elevation

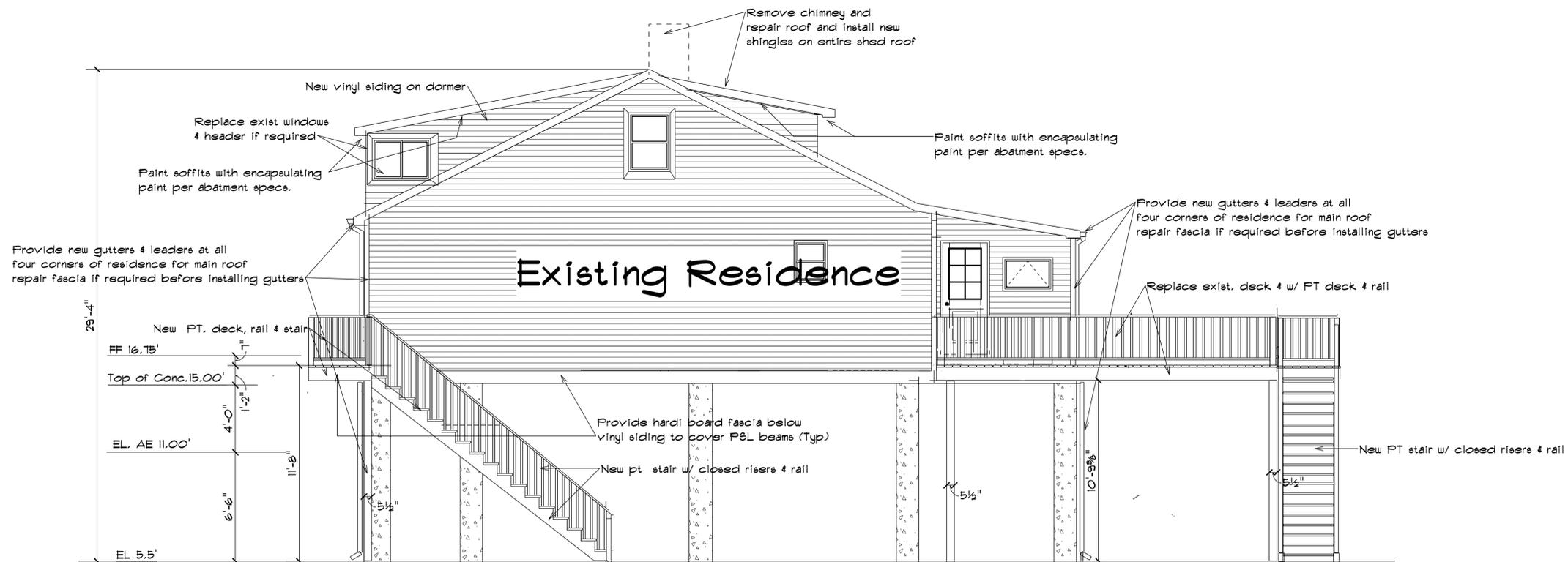


Post Ftg. Connection
NTS



Deck Post Connection
NTS

- Stair Notes:**
1. Treads to be Minimum of 9" Per Section R-311.5.3.2 2003 2003 IRC
 2. Stair Tread nosing shall be min 3/4" but not more than 1 1/4" with leading edge radius no bigger than 3/16" Per Section R311.5.3.3 2003 IRC
 3. Provide gripable handrails on both sides of all stairs and at landings and decks.
 3. All stair components shall comply with 2003 IRC Section R311.5 Stairways

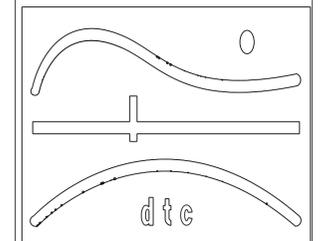


Right Elevation

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

NOTES:

REVISIONS



DIVERSIFIED TECHNOLOGY
CONSULTANTS
2321 WHITNEY AVE. HAMDEN CT 06518
203 239 4200 203 234 1316 FAX

Robert L. Tobin
Architect

115 Wigwam Lane Stratford, CT 06614
(203) 386-8100
Bob@rltarchitect.com

OORR
APPLICATION NO. 1305
COOPER RESIDENCE
17 TREMONT AVE.
MILFORD, CT

**Front &
Right
Elevations**

DTC PROJECT NUMBER: 13-449-023

DTC DRAWING FILE:

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

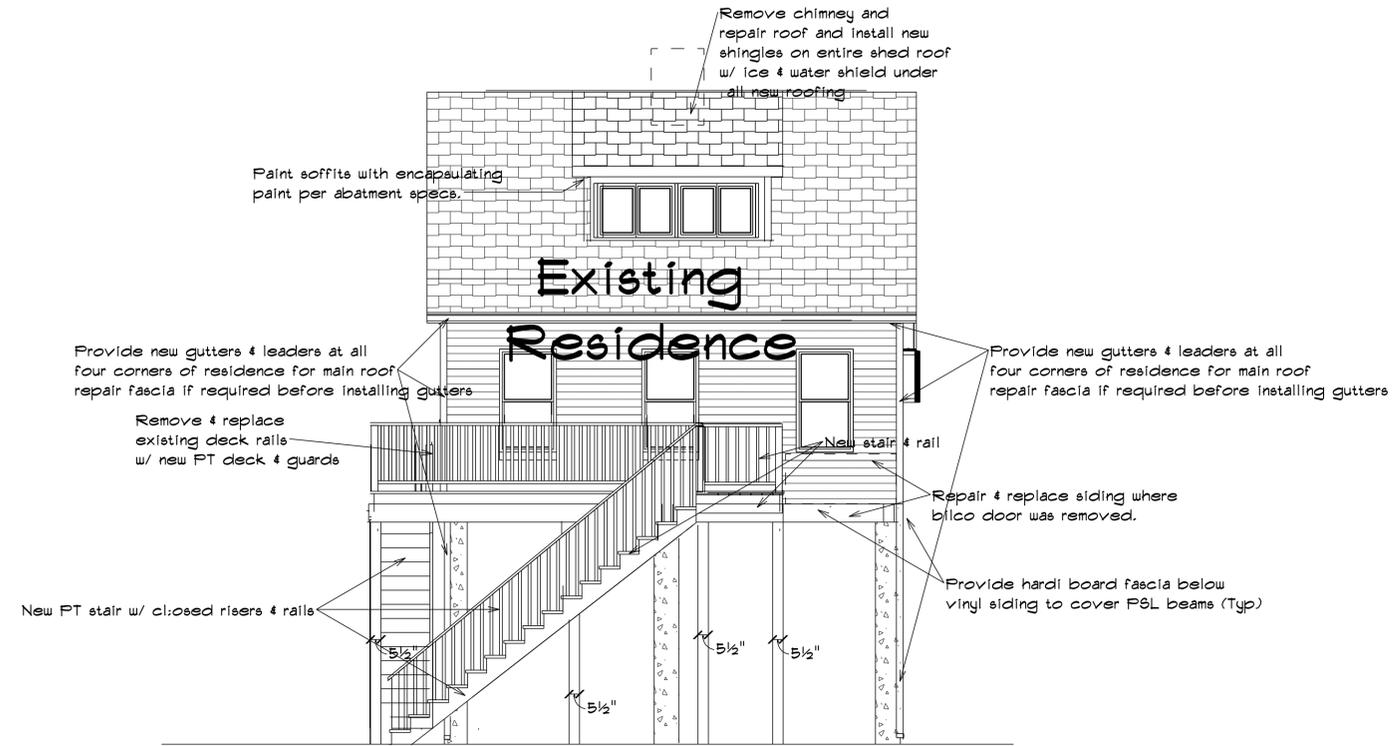
DRAWN BY: RLt

DATE: 3-26-15

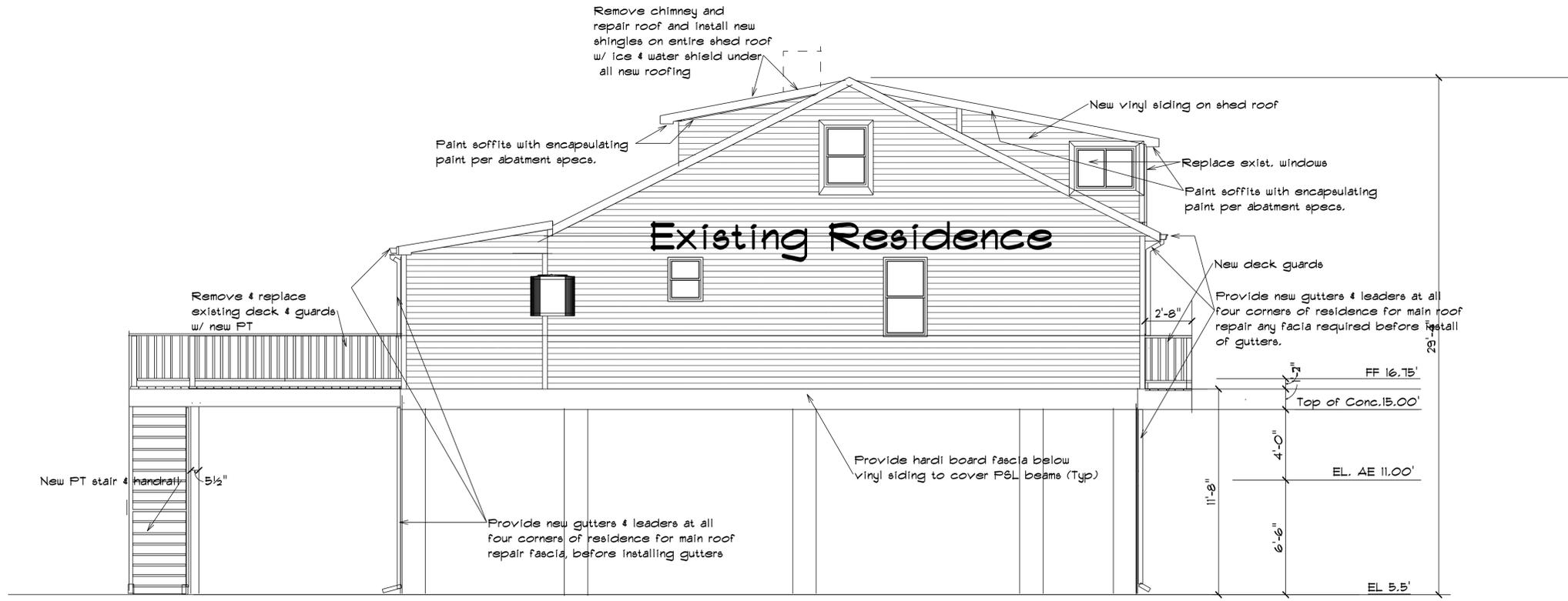
CHECKED BY:

SHEET:

A-101



Rear Elevation

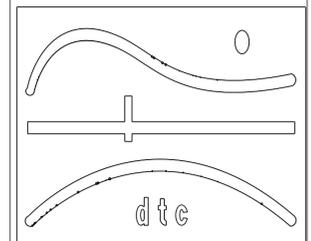


Left Elevation

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

NOTES:

REVISIONS



DIVERSIFIED TECHNOLOGY CONSULTANTS
 2321 WHITNEY AVE. HAMDEN CT 06518
 203 239 4200 203 234 1316 FAX

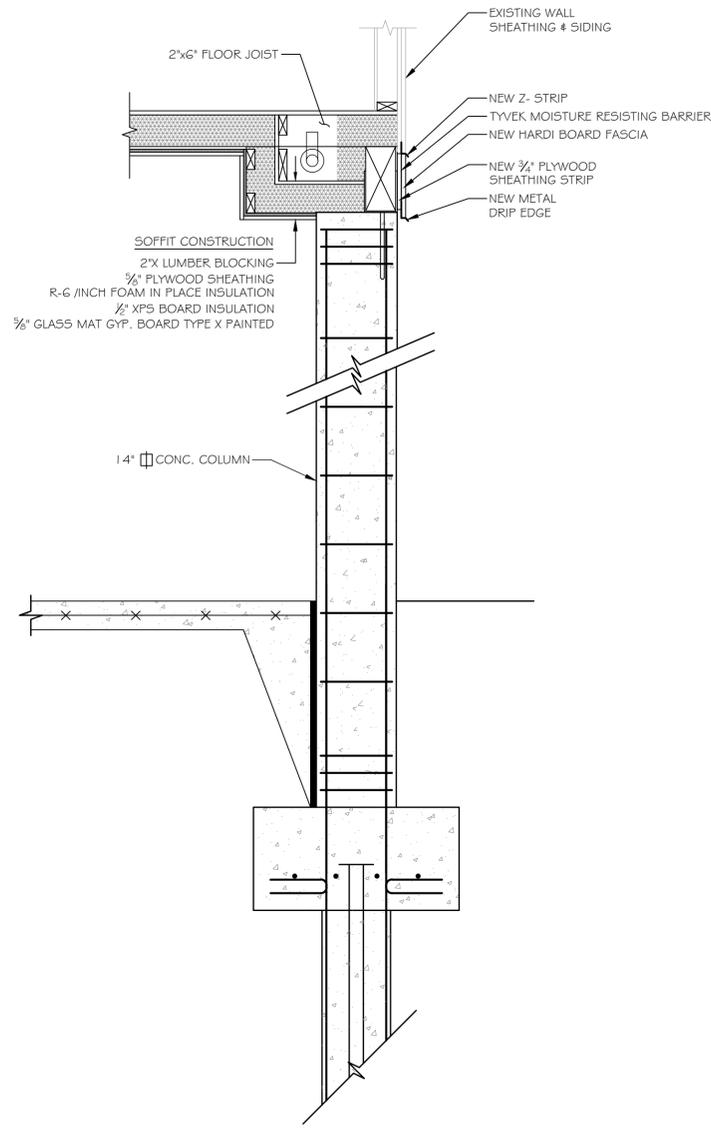
Robert L. Tobin
 Architect
 115 Wigwam Lane Stratford, CT 06614
 (203) 386-8100
 Bob@rltarchitect.com

OORR
 APPLICATION NO. 1305
 COOPER RESIDENCE
 17 TREMONT AVE.
 MILFORD, CT

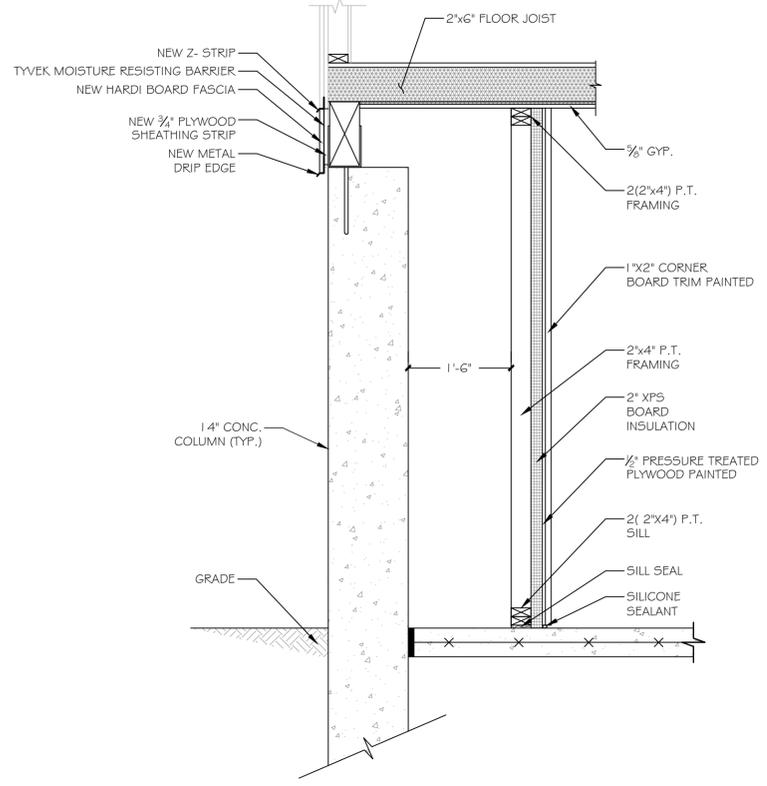
Rear & Left Elevations

DTC PROJECT NUMBER: 13-449-029
 DTC DRAWING FILE:
 SCALE: 1/4" = 1'-0" DRAWN BY: RLK
 DATE: 3-26-15 CHECKED BY:
 SHEET:

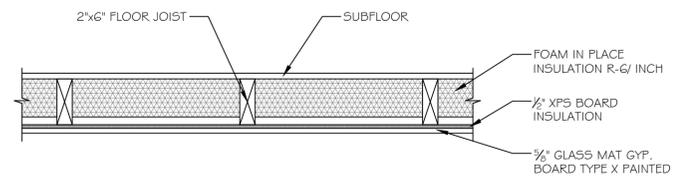
A-102



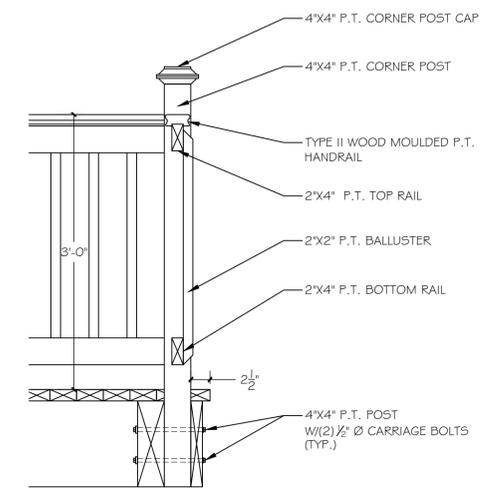
1 PIER/WALL SECTION
SCALE: 3/4" = 1'-0"



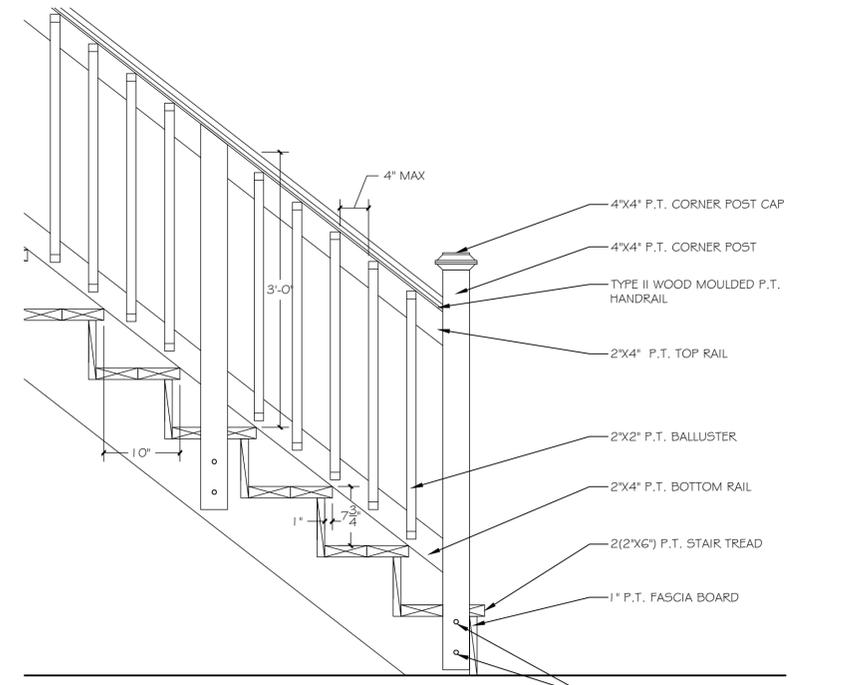
2 WALL SECTION AT VERTICAL CHASE
SCALE: 3/4" = 1'-0"



3 TYPICAL FLOOR SECTION
SCALE: 1" = 1'-0"



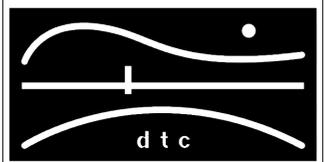
4 RAILING/ POST DETAIL
SCALE: 1" = 1'-0"



5 STAIR DETAIL
SCALE: 1" = 1'-0"

NOTES:

REVISIONS



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

Robert L. Tobin
Architect

115 Wigwam Lane Stratford, CT 06614
(203) 386-8100
Bob@rlarchitect.com

OORR
APPLICATION NO. 1305

COOPER RESIDENCE
17 TREMONT STREET
MILFORD, CT

MISC. DETAILS

DTC PROJECT NUMBER: 13-449-029
DTC DRAWING FILE:

SCALE: VARIES DRAWN BY: REM
DATE: 3/26/2015 CHECKED BY: RM

SHEET:

A-103

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.
- INSULATE COLD WATER, HOT WATER AND EXPOSED WASTE.
- 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 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.
- 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 UTILITY DRAWINGS. COORDINATE ALL FOUNDATION WALL PENETRATIONS AND INVERT ELEVATIONS WITH THE GENERAL CONTRACTOR AND OR OWNER'S 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.
- COORDINATE ALL PLUMBING EQUIPMENT REQUIRING POWER, FOR EXACT LOCATION AND POWER REQUIREMENTS WITH THE ELECTRICAL CONTRACTOR.
- 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.

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

LEGEND

SYMBOL	DESCRIPTION
	SOIL OR WASTE ABOVE FLOOR OR GRADE
	SOIL OR WASTE BELOW FLOOR OR GRADE
	COLD WATER PIPING
	DOMESTIC HOT WATER PIPING
	GAS PIPING
	PIPING DIRECTION OF FLOW
	HT - HEAT TRACED & INSULATED PIPE
	PIPING RISER UP
	PIPING RISER DOWN
	BRANCH/BOTTOM CONNECTION
	TRAP
	BALL VALVE
	POINT OF CONNECTION
	POINT OF DISCONNECT

FIXTURE CONNECTION SCHEDULE

MARK	DESCRIPTION	MINIMUM PIPE SIZES (INCHES)			
		CW	HW	W	V
WC-HC, WC	WATER CLOSET	3/8	-	3	2
LAV-HC, LAV	LAVATORY	3/8	1/2	1-1/2	1-1/2
KS, KS-HC	KITCHEN SINK	1/2	1/2	1-1/2	1-1/2
BT-HC,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	3/4	3/4	-	2"

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
TEMP	TEMPERATURE
TYP	TYPICAL
W	WASTE

MATERIAL SCHEDULE

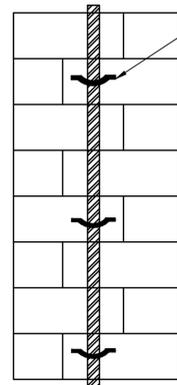
SYSTEMS	PIPE							FITTING			JOINTS		
	REQUIRED	C.I.	STL. SCHED.40	BLACK IRON	GALVANIZED	C.T. "L"	PEX	C.I. NO-HUB FITTINGS	SOLDER FITTINGS	THREADED	SOLDERED	WELDED	NO-HUB (HUSKY # 400)
SANITARY	●	●	●	●	●	●	●	●	●	●	●	●	●
C.W. DISTRIBUTION	●	●	●	●	●	●	●	●	●	●	●	●	●
HOSE BIBB BRANCH PIPING	●	●	●	●	●	●	●	●	●	●	●	●	●
GAS	●	●	●	●	●	●	●	●	●	●	●	●	●

PLUMBING VALVES SCHEDULE

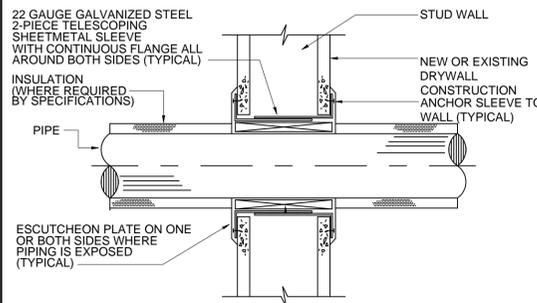
TYPE	VALVE SPECIFICATION				MATERIAL				PRESSURE				LOCATIONS																						
	FIG. NO. MILWAUKEE	FIG. NO. HOMESTEAD	FIG. NO. WATTS	SIZE	O.S.&Y.	N.R.S.	FLANGED	SCREWED	SOLDER	BRASS	BRONZE	ALL IRON	CAST STEEL	HOSE END	175# WWP	200# WWP	250# WWP	300# WWP	400# WWP	500# WWP	600# WWP	960# WWP	GAS	C.W. 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"	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

PLUMBING FIXTURE/EQUIPMENT SCHEDULE

MARK	MFR	MODEL	DESCRIPTION
HB	WOODFORD	26 METAL HANDLE	CAST BRASS, CHROME FINISH, LOOSE KEY, ANTI-SIPHON ASSE RATED VACUUM BREAKER, TRIMLINE WALL HYDRANT w/1/2" INLET.
-	RAYCHEM	8XL1	120V, 1 Ø, 60 HZ, 8W/FT WITH A MAXIMUM LENGTH OF 115 FT, MAXIMUM OPERATING TEMP OF 150F. USE AT-180 ALUMINUM TAPE.



PROVIDE NON-CORROSIVE METAL PIPE STRAPS TO FASTEN VERTICAL PIPE RISE TO FOUNDATION COLUMNS. STRAPS SHALL BE CAPABLE OF WITHSTANDING HYDROSTATIC AND HYDRODYNAMIC LOADS AND STRESSES.



22 GAUGE GALVANIZED STEEL 2-PIECE TELESCOPING SHEETMETAL SLEEVE WITH CONTINUOUS FLANGE ALL AROUND BOTH SIDES (TYPICAL)

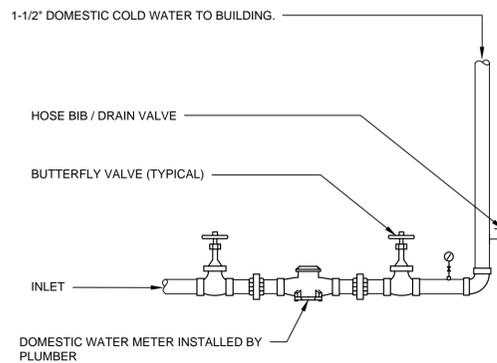
INSULATION (WHERE REQUIRED BY SPECIFICATIONS)

PIPE

ESCUTCHEON PLATE ON ONE OR BOTH SIDES WHERE PIPING IS EXPOSED (TYPICAL)

STUD WALL

NEW OR EXISTING DRYWALL CONSTRUCTION ANCHOR SLEEVE TO WALL (TYPICAL)



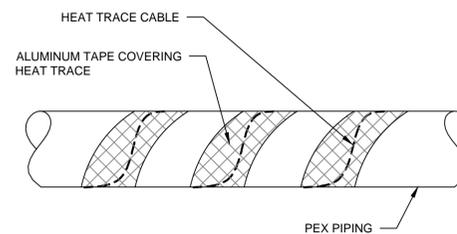
1-1/2" DOMESTIC COLD WATER TO BUILDING.

HOSE BIB / DRAIN VALVE

BUTTERFLY VALVE (TYPICAL)

INLET

DOMESTIC WATER METER INSTALLED BY PLUMBER



HEAT TRACE CABLE

ALUMINUM TAPE COVERING HEAT TRACE

PEX PIPING

1 MP001 FLOOD RESISTANT STRAPPING DETAIL NOT TO SCALE

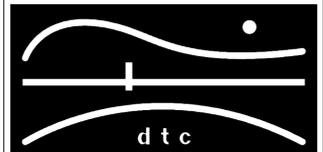
2 MP001 WALL/FLOOR PENETRATION DETAIL NOT TO SCALE

3 MP001 VALVE AND WATER SERVICE ENTRANCE DETAIL NOT TO SCALE

4 MP001 PEX PIPE HEAT TRACE DETAIL NOT TO SCALE

NOTES:

REVISIONS



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

OORR
APPLICATION NO. 1305

COOPER RESIDENCE
17 TREMONT STREET
MILFORD, CT

MECHANICAL &
PLUMBING GENERAL
NOTES & DETAILS

DTC PROJECT NUMBER: 13-449-029

DTC DRAWING FILE:

SCALE: 1/4=1.0

DRAWN BY: RWF

DATE: 3/26/2015

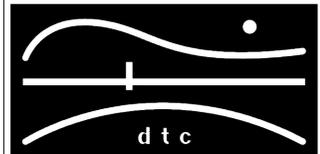
CHECKED BY: RCN

SHEET:

MP-001

NOTES:

REVISIONS



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

OORR
APPLICATION NO. 1305

COOPER RESIDENCE
17 TREMONT STREET
MILFORD, CT

MECHANICAL &
PLUMBING
PLAN

DTC PROJECT NUMBER: 13-449-029

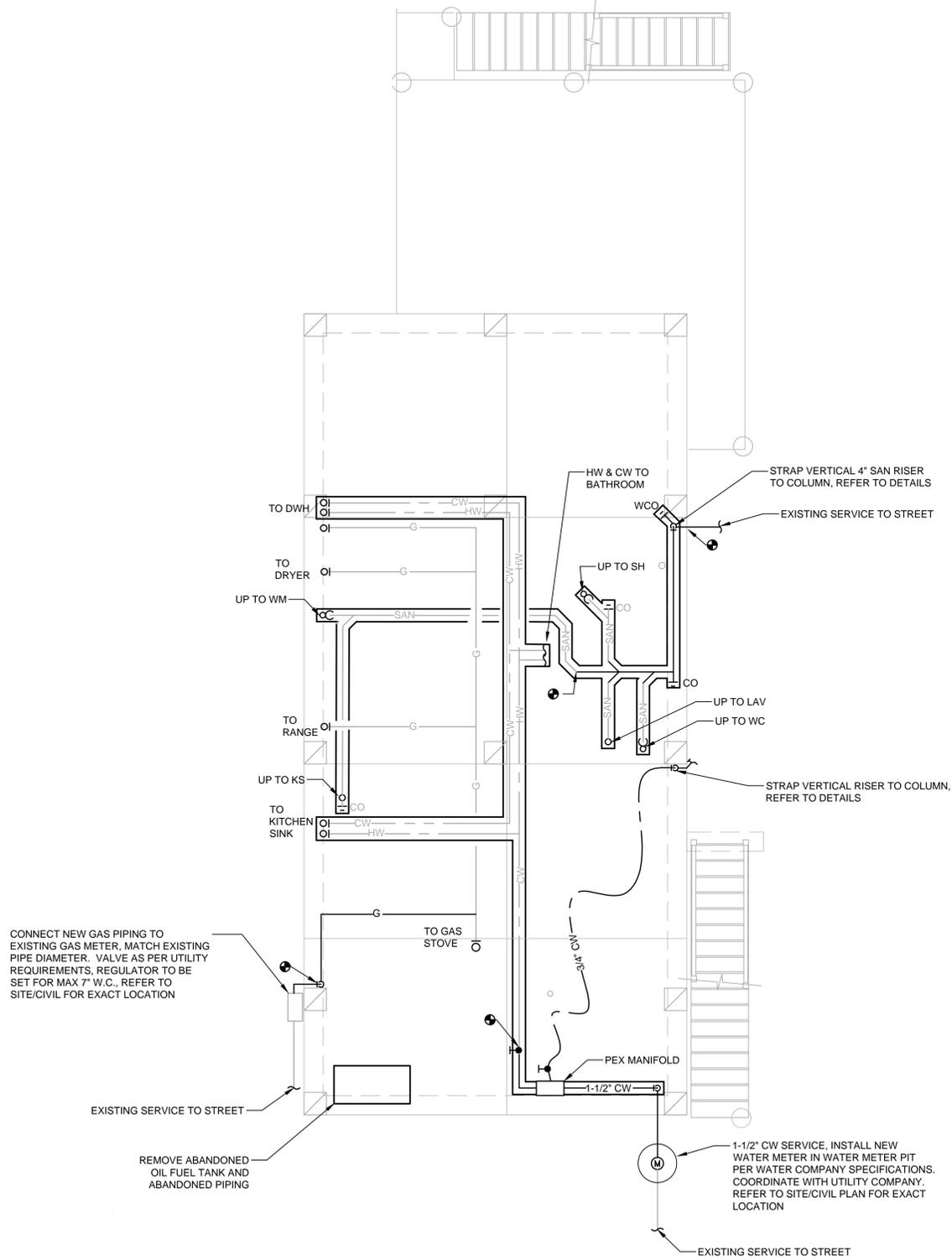
DTC DRAWING FILE:

SCALE: 1/4"=1.0' DRAWN BY: RWF

DATE: 3/26/2015 CHECKED BY: RCN

SHEET:

MP-100



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



Mar 26, 2015 - 3:09pm
P:\2013\1349 DDI CDBG-OR Smed\029 - 1305 Milford\Design\MEP\Drawings\MP-100 COOPER.dwg
revised

SYMBOL	DESCRIPTION
	RECESSED PANELBOARD
	BRANCH CIRCUIT POWER WIRING
	BRANCH CIRCUIT HOME RUN
	SWITCHED WIRING
	DUPLEX RECEPTACLE OUTLET WITH GROUND-FAULT CIRCUIT-INTERRUPTER AND IN WEATHERPROOF ENCLOSURE
	SURFACE MOUNTED LIGHTING FIXTURE
	WALL MOUNTED LIGHTING FIXTURE
	WALL MOUNTED JUNCTION BOX
	SINGLE POLE SWITCH
	SINGLE POLE SWITCH IN WEATHERPROOF ENCLOSURE
	THREE WAY SWITCH
	THREE WAY SWITCH IN WEATHERPROOF ENCLOSURE
	UTILITY METER
	MOTOR

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

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

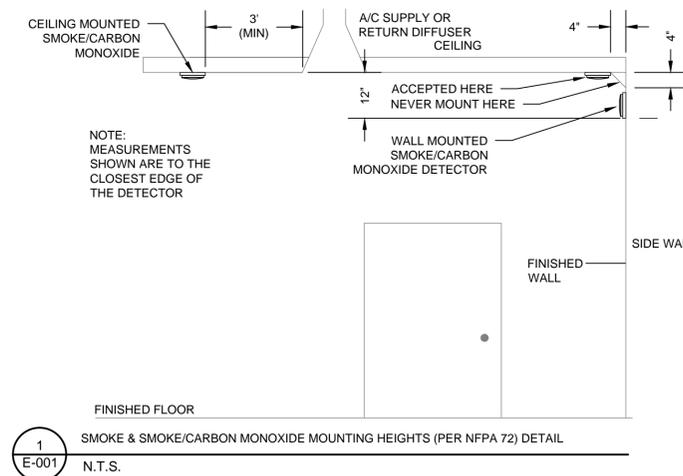
LIGHT FIXTURE SCHEDULE					
TYPE	BASE OF DESIGN	DESCRIPTION	VOLTAGE	LAMPS	REMARKS
A	COLUMBIA LIGHTING LXEM-4-35ML-RFA-EU	SURFACE MOUNTED LIGHTING FIXTURE, WET LOCATION LISTED, ENERGY STAR RATED AND RESISTANT TO SALT SPARY	120V	53W LED DRIVER	1,2,3,4
B	EFFICIENT LIGHTING EL-158	EXTERIOR WALL MOUNTED LIGHTING 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.

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

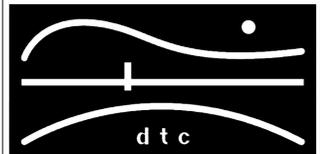
DRAWING LIST	
SHEET	NAME
E-001	ELECTRICAL NOTES, LEGENDS, ABBREV., DETAILS & SCHEDULES
E-100	ELECTRICAL FLOOR PLANS

- ### 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 INTERFERENCE'S AND CONDITIONS, VISIBLE AND/OR HIDDEN, THAT MAY EXIST; THIS REQUIRING 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) ANSINFPFA 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 MOTORIZED EQUIPMENT AND APPLIANCES IN ACCORDANCE WITH NEC.



NOTES:

REVISIONS



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

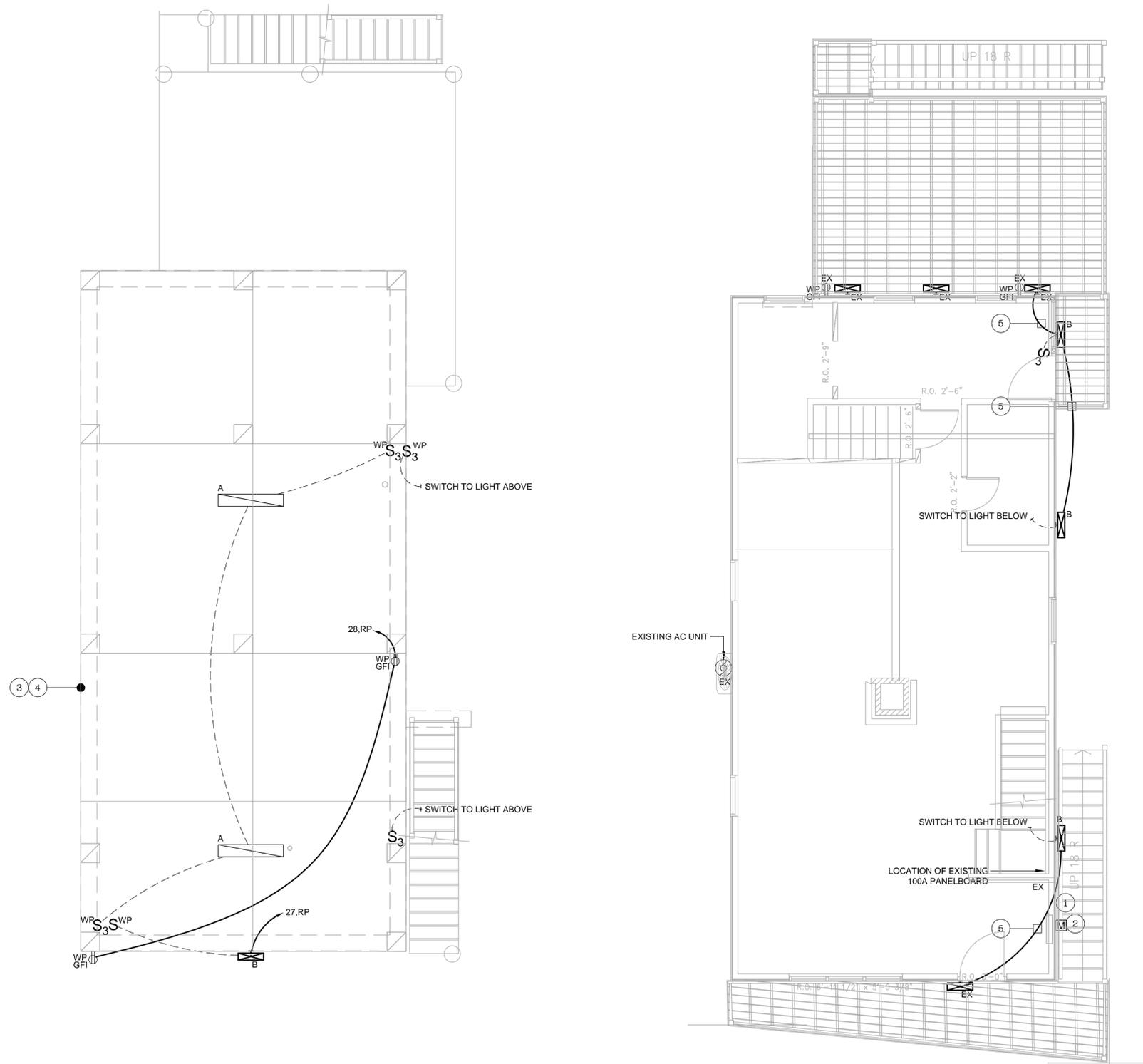
OORR
APPLICATION NO. 1305

COOPER RESIDENCE
17 TREMONT STREET
MILFORD, CT

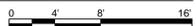
ELECTRICAL NOTES,
LEGENDS, ABBREV.,
DETAILS & SCHEDULES

DTC PROJECT NUMBER: 13-449-029
DTC DRAWING FILE:
SCALE: NONE DRAWN BY: WM
DATE: 3/26/2015 CHECKED BY: JP

SHEET:
E-001



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



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



GENERAL NOTES

- 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.
- ALL 120VAC BRANCH CIRCUITS EXCEEDING 100' IN LENGTH SHALL BE INCREASED TO 2#10, #10G UNLESS OTHERWISE NOTED.
- REFER TO DWG E-001 FOR SYMBOL LEGEND, ABBREVIATIONS, AND LIGHTING FIXTURE SCHEDULE.
- 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.
- ALL BRANCH CIRCUIT USED INDOORS SHALL BE WIRED WITH NM CABLE U.O.N. REFER TO FEEDER SCHEDULE ON DRAWING E-001 FOR SIZING.
- ALL EQUIPMENT AND DEVICES LOCATED OUTDOORS SHALL BE CIRCUITED WITH CONDUIT AND WIRING. REFER TO FEEDER SCHEDULE ON DWG E-001 FOR SIZING.
- CONTRACTOR SHALL CUT, PATCH AND PAINT ALL EXISTING AREAS THAT ARE AFFECTED BY NEW CONSTRUCTION.
- ALL SMOKE, HEAT AND COMBINATION SMOKE/CARBON MONOXIDE DETECTORS SHALL BE WIRED TOGETHER WITH AC CABLE AND METAL OUTLET BOX.
- ALL 125-VOLT 15 AND 20 AMP RECEPTACLES LOCATED AT 5 1/2' AFF OR BELOW SHALL BE TAMPER RESISTANT.

ELECTRICAL KEYNOTES

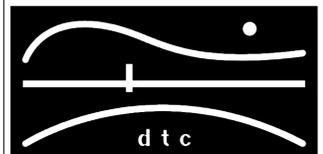
- DISCONNECT, CUT TO PROPER LENGTH AND RE-CONNECT TELEPHONE AND CABLE TV SERVICE ENTRANCE WIRING TO ACCOMMODATE LIFTING OF HOUSE. EQUIPMENT SHALL BE ABOVE THE 500 YEAR FLOOD PLANE. COORDINATE ALL WORK, INCLUDING SERVICE ENTRANCE EQUIPMENT MOUNTING HEIGHTS WITH ASSOCIATED UTILITY COMPANIES.
- DISCONNECT, 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.
- REPLACE ALL EXISTING WIRING IN CRAWLSPACE BENEATH FIRST LEVEL DUE TO IMMERSION IN SALTWATER. NEW WIRING SIZE AND QUANTITY TO MATCH EXISTING.
- PVC CONDUIT AND WIRING SHALL BE USED FOR ALL DEVICES IN LOCATED IN THE BASEMENT.
- WIRE LIGHTING FIXTURE TO EXISTING OUTDOOR LIGHTING CIRCUIT. EXTEND CABLING AS REQUIRED.

PANELBOARD RP (EXIST.)

BREAKER	PHASE LOAD - KVA			DESCRIPTION	BREAKER		
	A	B	LOAD		A	P	#
1	100	2		MCB	-	-	2
3	-	-			-	-	4
5	20	1		EXIST. LOAD	-	-	6
7	20	1		EXIST. LOAD	-	-	8
9	20	1		EXIST. LOAD	-	-	10
11	20	1		EXIST. LOAD	-	-	12
13	20	1		EXIST. LOAD	-	-	14
15	20	1		EXIST. LOAD	-	-	16
17	20	1		EXIST. LOAD	-	-	18
19	30	2		EXIST. LOAD	-	-	20
21	-	-			-	-	22
23	30	2		EXIST. LOAD	-	-	24
25	-	-			-	-	26
27	20	1	0.18	LIGHTING	0.54	0.36	28
29	20	1	0.18	HEAT TRACE	0.18	-	30
31	-	-		SPACE	-	-	32
33	-	-		SPACE	-	-	34
35	-	-		SPACE	-	-	36
TOTAL ADDITIONAL LOAD PER PHASE:					0.2	0.5	
TOTAL ADDITIONAL LOAD ON PANEL:					0.72	KVA	

NOTES:

REVISIONS



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

OORR
APPLICATION NO. 1305

COOPER RESIDENCE
17 TREMONT STREET
MILFORD, CT

ELECTRICAL FLOOR
PLANS

DTC PROJECT NUMBER: 13-449-029

DTC DRAWING FILE:

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

DATE: 3/26/2015

DRAWN BY: WM

CHECKED BY: JP

SHEET:

E-100