

**THE STATE OF CONNECTICUT
DEPARTMENT OF HOUSING (DOH)**

**COMMUNITY DEVELOPMENT BLOCK GRANT-DISASTER RECOVERY PROGRAM
(CDBG-DR)**

OWNER-OCCUPIED REHABILITATION AND REBUILDING PROGRAM (OORR)

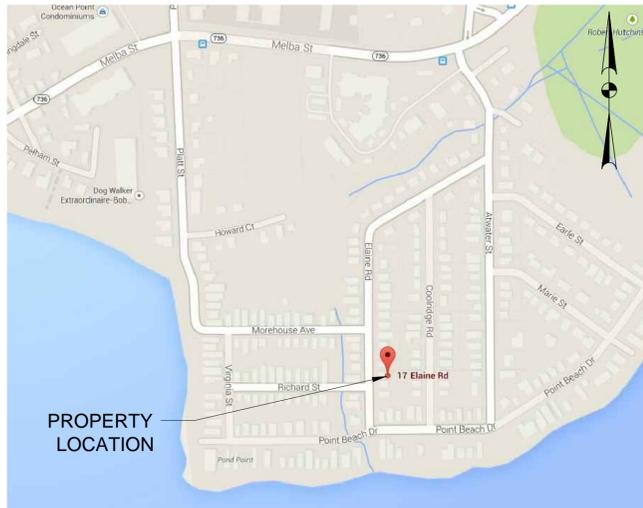
STORM SANDY RELIEF
GOVERNOR
DANNEL P. MALLOY

COMMISSIONER OF HOUSING
EVONNE M. KLEIN

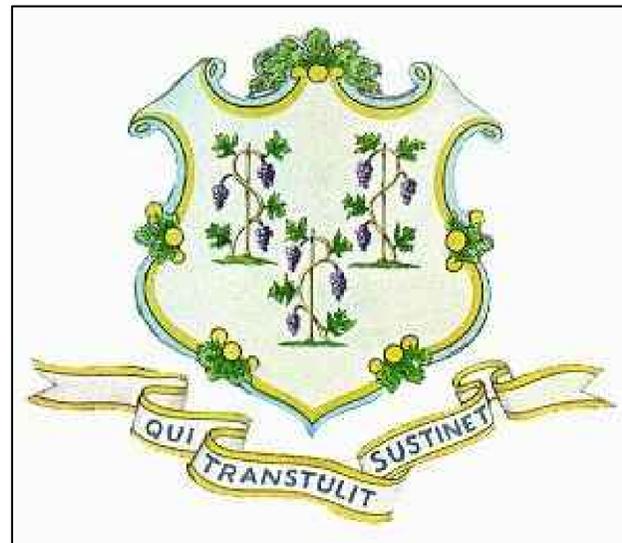
APPLICATION NO. 1085
17 ELAINE RD.
MILFORD, CT 06460

JUNE 2015

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-501	SECTIONS & DETAILS
AD-101	GENERAL NOTES, SYMBOLS, & DEMOLITION PLAN
A-101	FIRST, & GROUND FLOOR PLANS, & SCHEDULES
A-201	ELEVATIONS
A-301	SECTIONS & DETAILS
MP-001	MECHANICAL & PLUMBING GENERAL NOTES
MPD-101	MECHANICAL & PLUMBING DEMO FLOOR PLANS
MP-101	MECHANICAL & PLUMBING FLOOR PLANS
MP-300	MECHANICAL & PLUMBING SCHEDULES & DETAILS
E-001	ELECTRICAL NOTES, LEGENDS & ABBREVIATIONS & DETAILS
E-101	ELECTRICAL GROUND LEVEL & FIRST FLOOR PLANS



PROJECT LOCATION MAP
NTS



NOTES:

REVISIONS

OORR
APPLICATION NO. 1085

CARLINO RESIDENCE
17 ELAINE RD.
MILFORD, CT

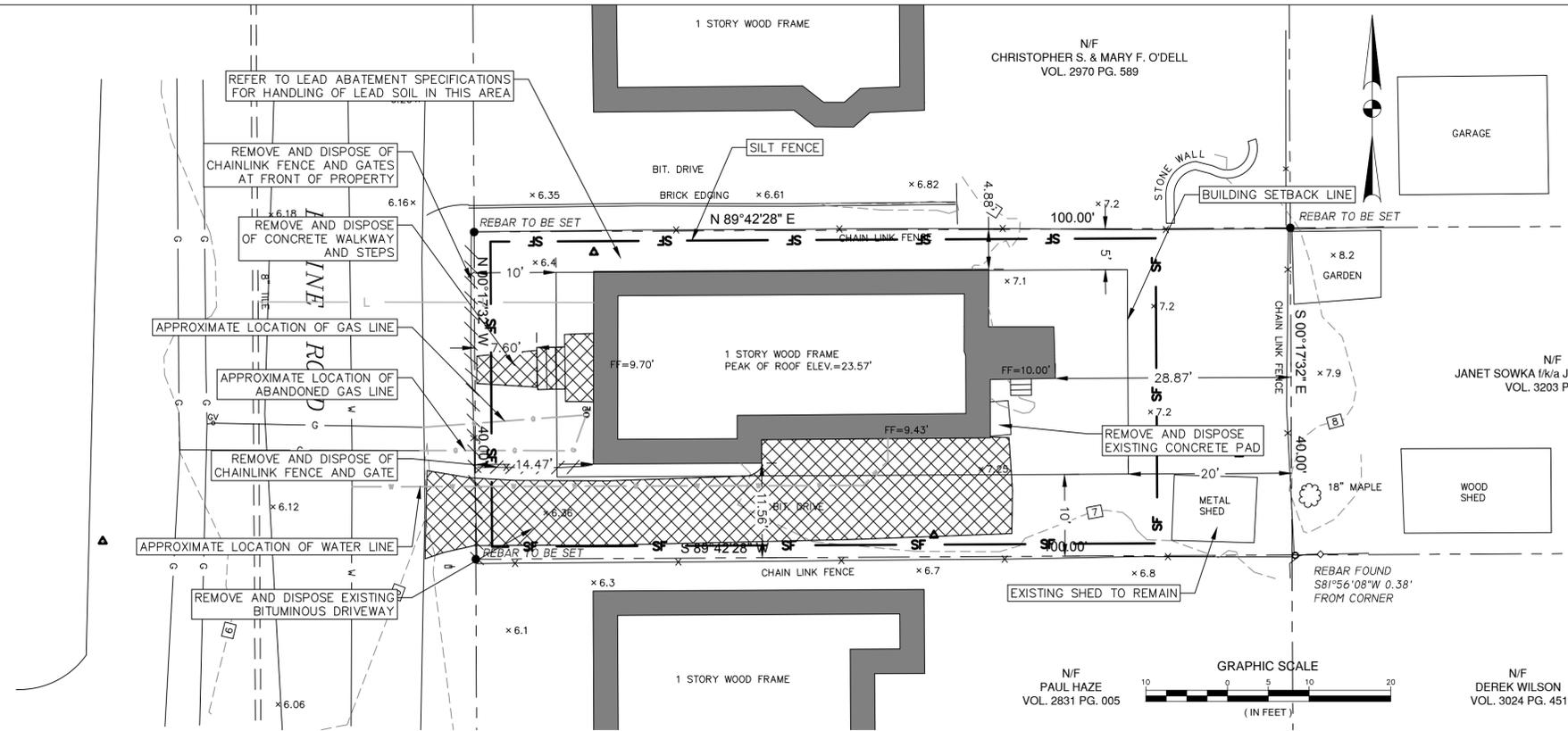
COVER SHEET

DTC PROJECT NUMBER: 13-449-011
DTC DRAWING FILE:

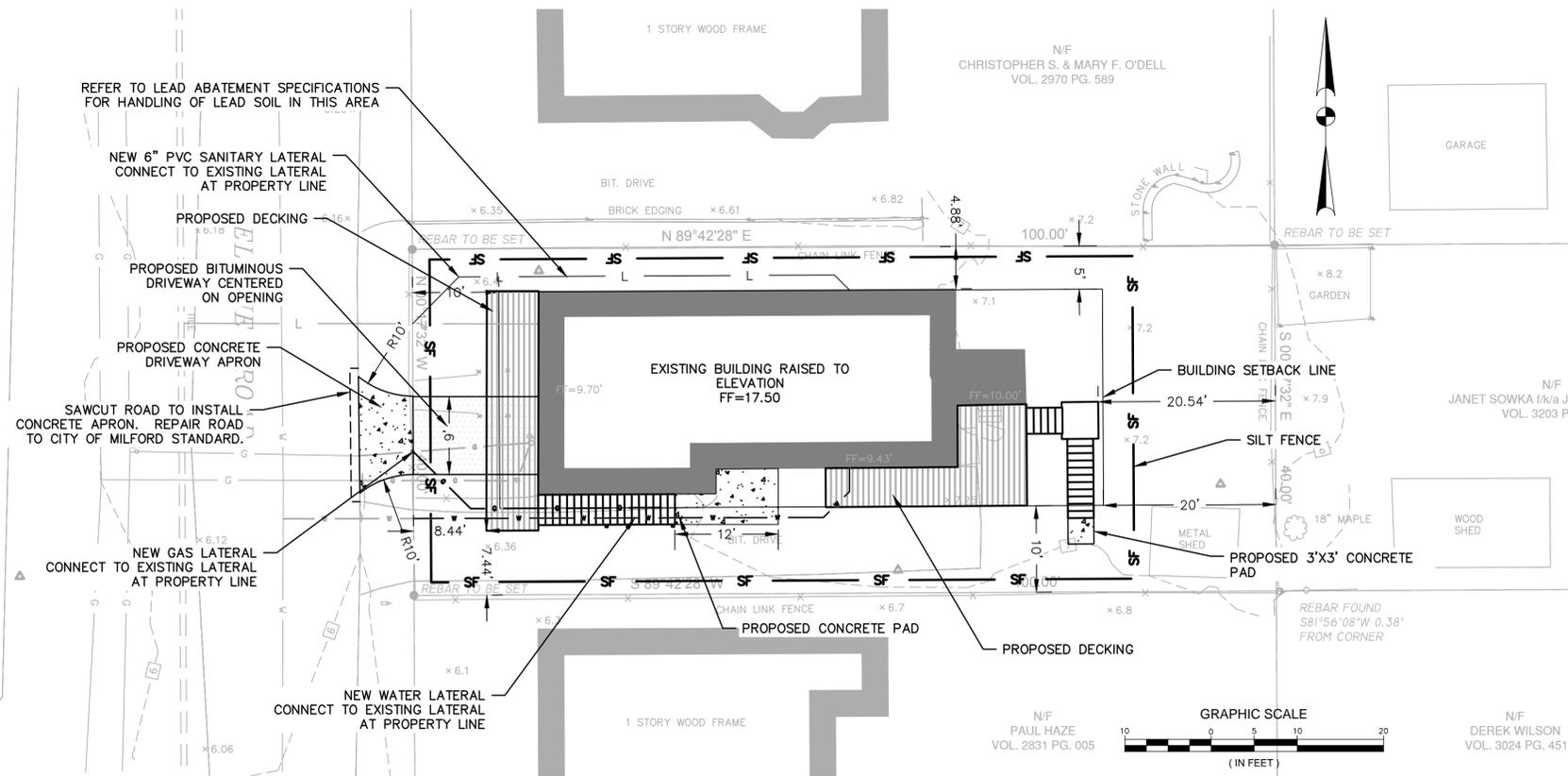
SCALE: NA	DRAWN BY:
DATE: JUNE 2015	CHECKED BY:

SHEET:

G-100



DEMOLITION PLAN



SITE PLAN

SURVEY INFORMATION IS BASED ON A-2 SURVEY MAP PREPARED BY: MARTIN SURVEYING ASSOCIATES, LLC DATED: 8/8/2014 SEALED BY: DEAN MARTIN L.S. 70147

LEGEND

Street Line	---
Property Line	----
Building Setback Line	-----
Silt Fence	— SF —
Chain Link Fence	— x — x —
Wooden Rail Fence	— o — o — o —
Item to be Demolished	////
Deciduous Tree	(tree symbol)
Existing Spot Elevation	x6.10
Proposed Spot Elevation	6.10

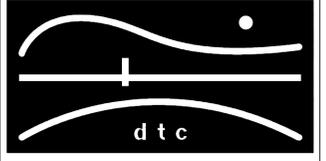
STANDARD (R-5)	REQUIRED	EXISTING	PROPOSED
LOT AREA (SF.) (MINIMUM)	5,000	4,000	NO CHANGE
LOT WIDTH (MINIMUM)	50'	40'	NO CHANGE
LOT DEPTH (MINIMUM)	70'	100'	NO CHANGE
HEIGHT (MAXIMUM)	35'	13.8'	23.8'
STORIES (MAXIMUM)	3	1	2
SETBACK FROM STREET LINE	10'	7.60'	8.44'
SETBACK FROM REAR LINE	20'	28.87'	20.54'
SETBACK FROM SIDE LINE	10'	11.56'	7.44'
SETBACK FROM SIDE LINE	5'	4.88'	4.88'
BUILDING AREA (MAXIMUM)	45%	28.5%	28.5%
LOT COVERAGE (MAXIMUM)	65%	47.5%	40.8%

AVERAGE GRADE AT BUILDING = $(6.56' + 7.03' + 7.26' + 7.18' + 7.04' + 7.16' + 6.84' + 6.70' + 6.72' + 6.59' + 6.43' + 6.30' + 6.38') / 13 = 6.78'$
 EXISTING ELEVATION OF BUILDING ROOF AT MID-POINT = 20.57'
 EXISTING BUILDING HEIGHT = 20.57' - 6.78' = 13.8'
 BUILDING TO BE RAISED 7.8'
 13.8' + 7.8' = 21.6'
 PROPOSED BUILDING HEIGHT = 21.6'

- 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 & SEEDED.
 - 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

NOTES:

REVISIONS



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

OORR
 APPLICATION NO. 1085

CARLINO RESIDENCE
 17 ELAINE RD.
 MILFORD, CT

SITE PLANS

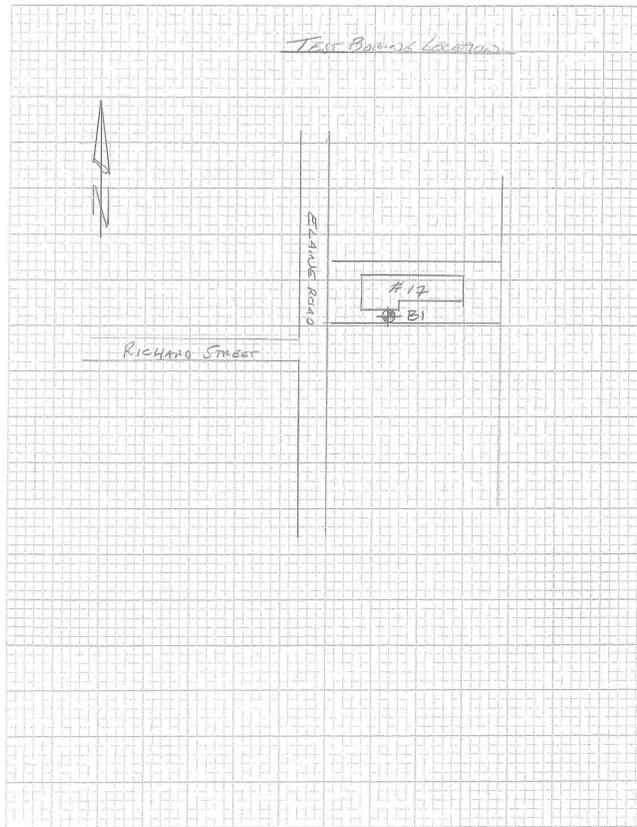
DTC PROJECT NUMBER: 13-449-011	
DTC DRAWING FILE:	
SCALE: 1"=10'	DRAWN BY: LEC
DATE: JUNE 2015	CHECKED BY:
SHEET:	

C-100



DR. CLARENCE WELTI, PE, PC
P.O. BOX 397
GLASTONBURY, CONNECTICUT 06033 • (860) 633-4623

CLIENT: DTC
PROJECT: 17 ELAINE ROAD MILFORD CT
SUBJECT: Test Boring
BY: swl DATE: 6/14/14 SHEET NO.:



CLARENCE WELTI ASSOC., INC.				CLIENT				PROJECT NAME			
P.O. BOX 397 GLASTONBURY, CONN 06033				DTC				CARLINO RESIDENCE			
				LOCATION				17 ELAINE ROAD, MILFORD, CT			
				SURFACE ELEV.				HOLE NO. B-1			
TYPE: HSA				CASING				SAMPLER			
SIZE I.D.: 3.75"								SS			
HAMMER WT.: 140 lbs								LINE & STA.			
HAMMER FALL: 30"								GROUND WATER OBSERVATIONS			
								AT 9.0 FT AFTER 0 HOURS			
								START DATE: 6/4/14			
								FINISH DATE: 6/4/14			
								N. COORDINATE			
								E. COORDINATE			
DEPTH			SAMPLE			STRATUM DESCRIPTION + REMARKS			ELEV.		
NO.	BLOWS/6"	DEPTH	A								
0						BITUMINOUS CONCRETE		0.1			
1	5-5-4	1.00'-3.00'				BR. FINE-CRS. SAND, SOME GRAVEL, TRACE SILT		0.5			
2	3-1-2-4	3.00'-5.00'				BR. FINE-CRS. SAND, SOME GRAVEL, LITTLE TO SOME SILT - FILL					
3	12-14-21-22	5.00'-7.00'				BR. FINE-CRS. SAND, LITTLE SILT & GRAVEL		5.0			
4	8-11-11	10.00'-11.50'				GREY/BR. FINE-CRS. SAND, TRACE SILT & GRAVEL		8.0			
5	4-8-12	15.00'-16.50'				GREY/BR. FINE-MED. SAND, TRACE SILT		14.0			
6	10-12-15	20.00'-21.50'				GREY/BR. FINE-MED. SAND, LITTLE SILT		20.0			
7	8-8-12	25.00'-26.50'				BR./GREY FINE SAND, SOME SILT		25.0			
8	15-28-42	30.00'-31.50'				GREY FINE-MED. SAND, LITTLE SILT		30.0			
						GREY SILT AND FINE SAND		33.0			

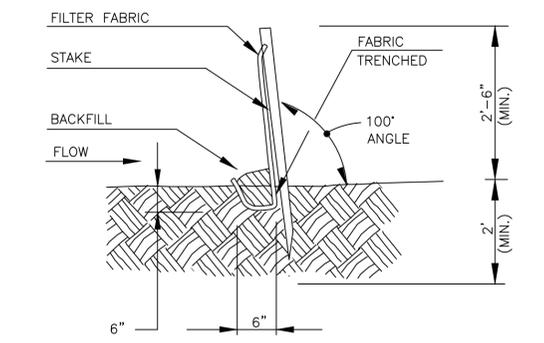
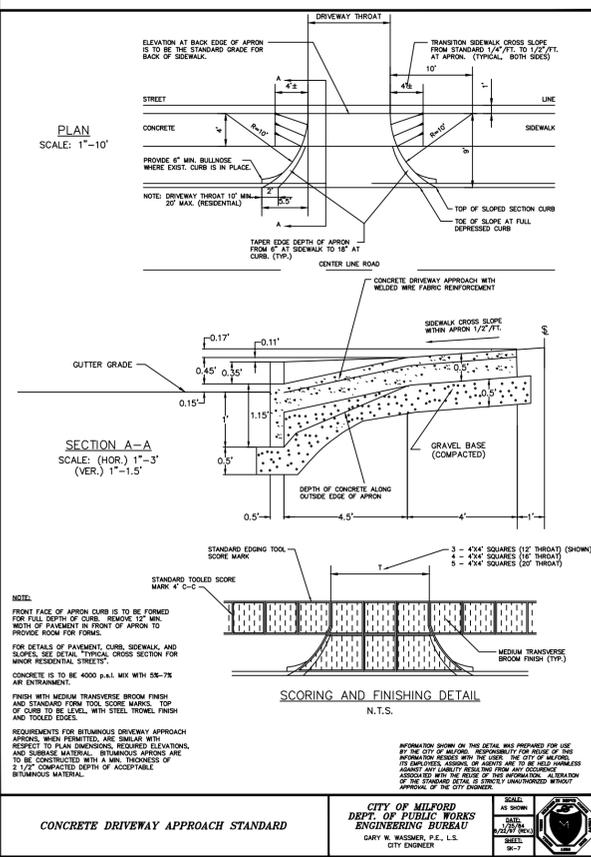
LEGEND: COL. A:
SAMPLE TYPE: D=DRY A=AUGER C=CORE U=UNDISTURBED PISTON S=SPLIT SPOON
PROPORTIONS USED: TRACE=0-10% LITTLE=10-20% SOME=20-35% AND=35-50%

DRILLER: T. CZMYR
INSPECTOR:
SHEET 1 OF 2 HOLE NO. B-1

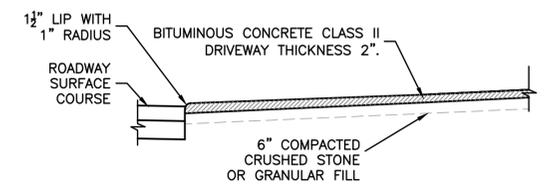
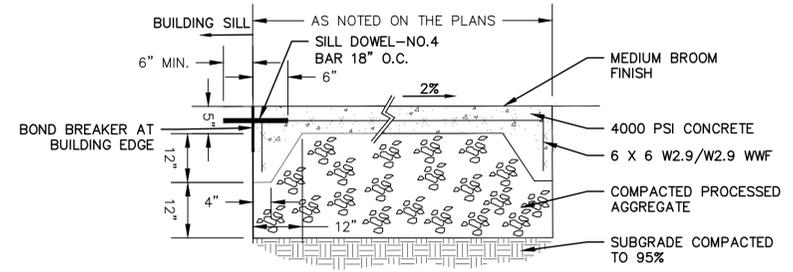
CLARENCE WELTI ASSOC., INC.				CLIENT				PROJECT NAME			
P.O. BOX 397 GLASTONBURY, CONN 06033				DTC				CARLINO RESIDENCE			
				LOCATION				17 ELAINE ROAD, MILFORD, CT			
				SURFACE ELEV.				HOLE NO. B-1			
TYPE: HSA				CASING				SAMPLER			
SIZE I.D.: 3.75"								SS			
HAMMER WT.: 140 lbs								LINE & STA.			
HAMMER FALL: 30"								GROUND WATER OBSERVATIONS			
								AT 9.0 FT AFTER 0 HOURS			
								START DATE: 6/4/14			
								FINISH DATE: 6/4/14			
								N. COORDINATE			
								E. COORDINATE			
DEPTH			SAMPLE			STRATUM DESCRIPTION + REMARKS			ELEV.		
NO.	BLOWS/6"	DEPTH	A								
9	15-19-20	35.00'-36.50'									
10	16-23-30	40.00'-41.50'									
BOTTOM OF BORING @ 41.5'											41.5

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 2 OF 2 HOLE NO. B-1

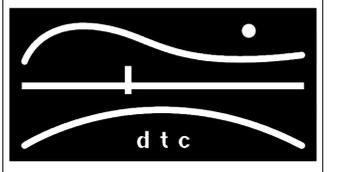


- A. MINIMUM LENGTH OF SILT FENCE IS 15 FT.
- B. MAXIMUM POST SPACING IS 8 FT.
- C. JOINTS ONLY AT SUPPORT POST WITH MINIMUM 2 FT. OVERLAP, SECURELY SEALED.
- D. SEDIMENTATION DEPOSITS SHALL BE REMOVED WHEN THEY REACH 1/2 THE HEIGHT OF THE SILT FENCE.
- E. SILT FENCE SHALL NOT BE USED IN A WATER COURSE.
- 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.



NOTES:

REVISIONS



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

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CARLINO RESIDENCE
17 ELAINE RD.
MILFORD, CT

BORING LOGS AND DETAILS

DTC PROJECT NUMBER: 13-449-011
DTC DRAWING FILE:

SCALE: 1"=10' DRAWN BY: LEC
DATE: JUNE 2015 CHECKED BY:

SHEET:

C-101

CITY OF MILFORD
DEPT. OF PUBLIC WORKS
ENGINEERING BUREAU
CARY W. WASSER, P.E., L.S.
CITY ENGINEER



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

NEW ROOF AREAS:

ROOF SNOW LOAD CRITERIA: $P_g = 30$ PSF, $C_e = 0.7$ AND $I = 1.0$, WITH INCREASES FOR SNOW DRIFTING, UNBALANCES AND SLIDING.

MINIMUM ROOF LIVE LOAD = 30 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"

ALLOWABLE SOIL BEARING PRESSURE = 3.0 KSF AS PRESCRIBED IN "GEOTECHNICAL STUDY FOR PROPOSED NEW FOUNDATION/ RAISING CARLINO RESIDENCE 17 ELAINE ROAD, MILFORD CT." PREPARED BY DR. CLARENCE WELTI, P.E., P.C. AND DATED JUNE 10, 2014

- 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 COMFORM 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 318-08).
- WHERE REQUIRED, CONSTRUCTION JOINTS SHALL BE KEYED AND OCCUR AT CONTROL JOINT INTERVALS.

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 KEYED AND LOCATED AT CONTROL JOINT INTERVALS.

CONCRETE

MATERIALS:

CONCRETE SHALL DEVELOP STRENGTH IN 28 DAYS AS FOLLOWS:

LOCATION	STRENGTH (PSI)
FOOTINGS	3000
FOUNDATION WALL/ PIERS	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 318-08.
- WELDED WIRE FABRIC SHALL CONFORM TO ASTM A_185.
- 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 KEYWAYS 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.

STRUCTURAL STEEL

MATERIALS:

STRUCTURAL STEEL W-SHAPES	ASTM A 572, GR.50 OR A 992
STRUCTURAL STEEL NOT INCLUDED ABOVE	ASTM A 36
ANCHOR BOLTS	ASTM A307
WELDING ELECTRODE	ASTM E 70

- DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO CURRENT AMERICAN INSTITUTE OF STEEL CONSTRUCTION SPECIFICATION.
- WELDING SHALL CONFORM TO THE CODE FOR "ARC AND GAS WELDING IN BUILDING CONSTRUCTION" OF THE AMERICAN WELDING SOCIETY.
- ALL WELDING SHALL BE DONE BY A CERTIFIED WELDER IN ACCORDANCE WITH A.I.W.S. STANDARDS.
- PROVIDE 3/16" DIAMETER HOLES FOR WOOD NAILERS AS REQUIRED.
- PROVIDE 8" X 8" X 5/8" BEARING PLATES FOR ALL BEARING BEAMS UNLESS NOTED OTHERWISE.
- EXISTING STEEL SURFACES TO RECEIVE FIELD WELDS SHALL BE THOROUGHLY CLEANED UNTIL FREE FROM PAINT, RUST, GREASE, ETC.
- FIELD BOLTED CONNECTIONS SHALL UTILIZE 3/4" Ø A325 HIGH STRENGTH BOLTS, MINIMUM OF 2 ROWS. MINIMUM THICKNESS OF SHEAR CONNECTION ANGLES SHALL BE 3/8".

WOOD FRAMING

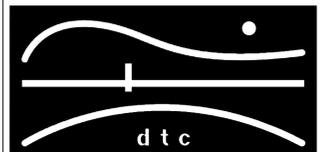
- LUMBER FOR WOOD JOISTS, RAFTERS AND BEAMS SHALL BE DOUGLAS FIR, LARCH NUMBER 2 GRADE, WITH 19% MAXIMUM MOISTURE CONTENT AND MINIMUM SAFE STRENGTH CAPACITY OF:

$F_b = 900$ 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 MANUFACTURER'S 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
 - $F_v = 285$ PSI
 - $E = 1,900,000$ PSI
- ALL EXTERIOR WOOD SHALL BE PRESSURE TREATED.

NOTES:

REVISIONS



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

OORR
APPLICATION NO. 1085

CARLINO RESIDENCE
17 ELAINE RD.
MILFORD, CT

GENERAL NOTES

DTC PROJECT NUMBER: 13-449-011

DTC DRAWING FILE:

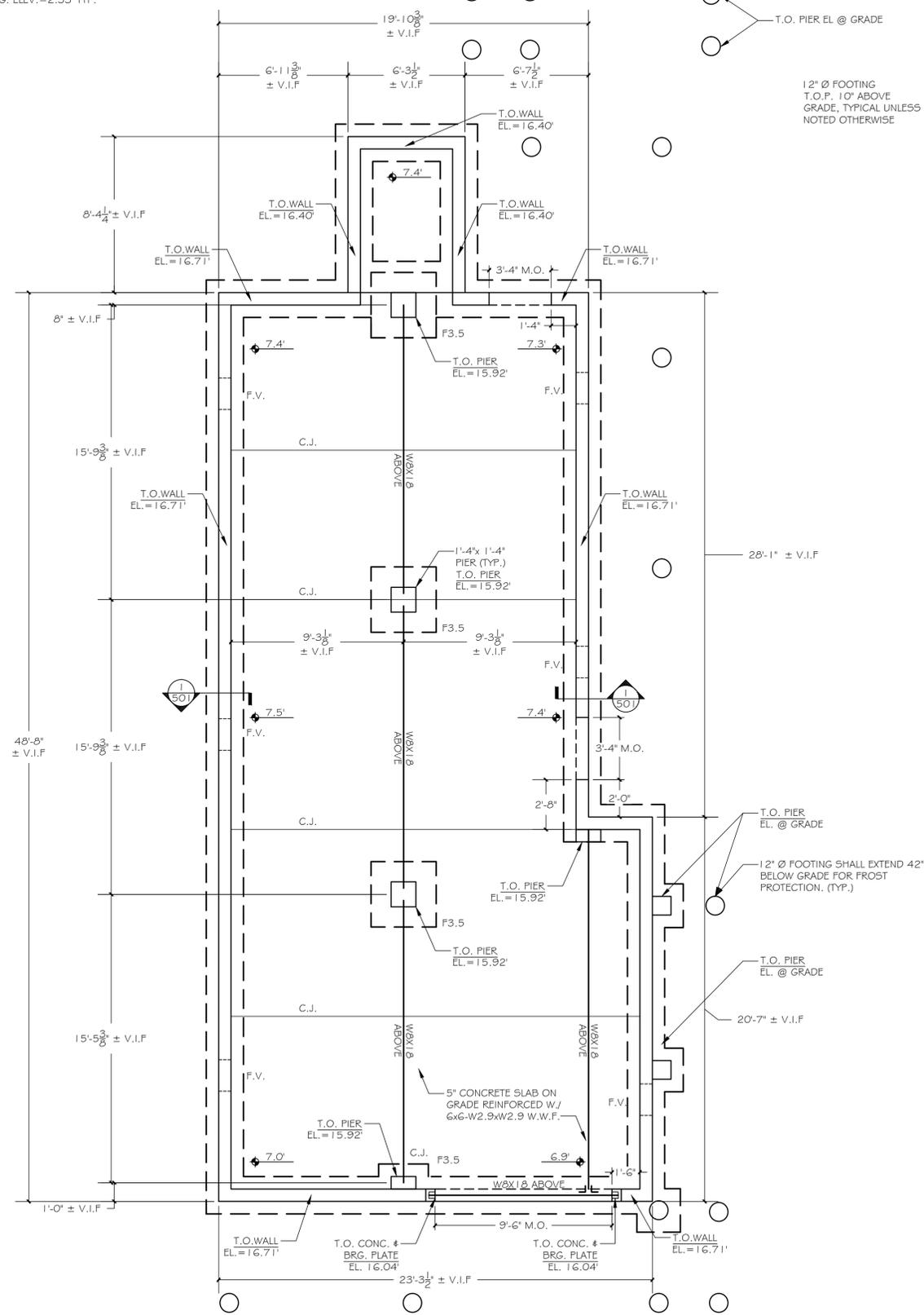
SCALE: VARIES	DRAWN BY: R.E.M
DATE: JUNE 2015	CHECKED BY: B.O

SHEET:

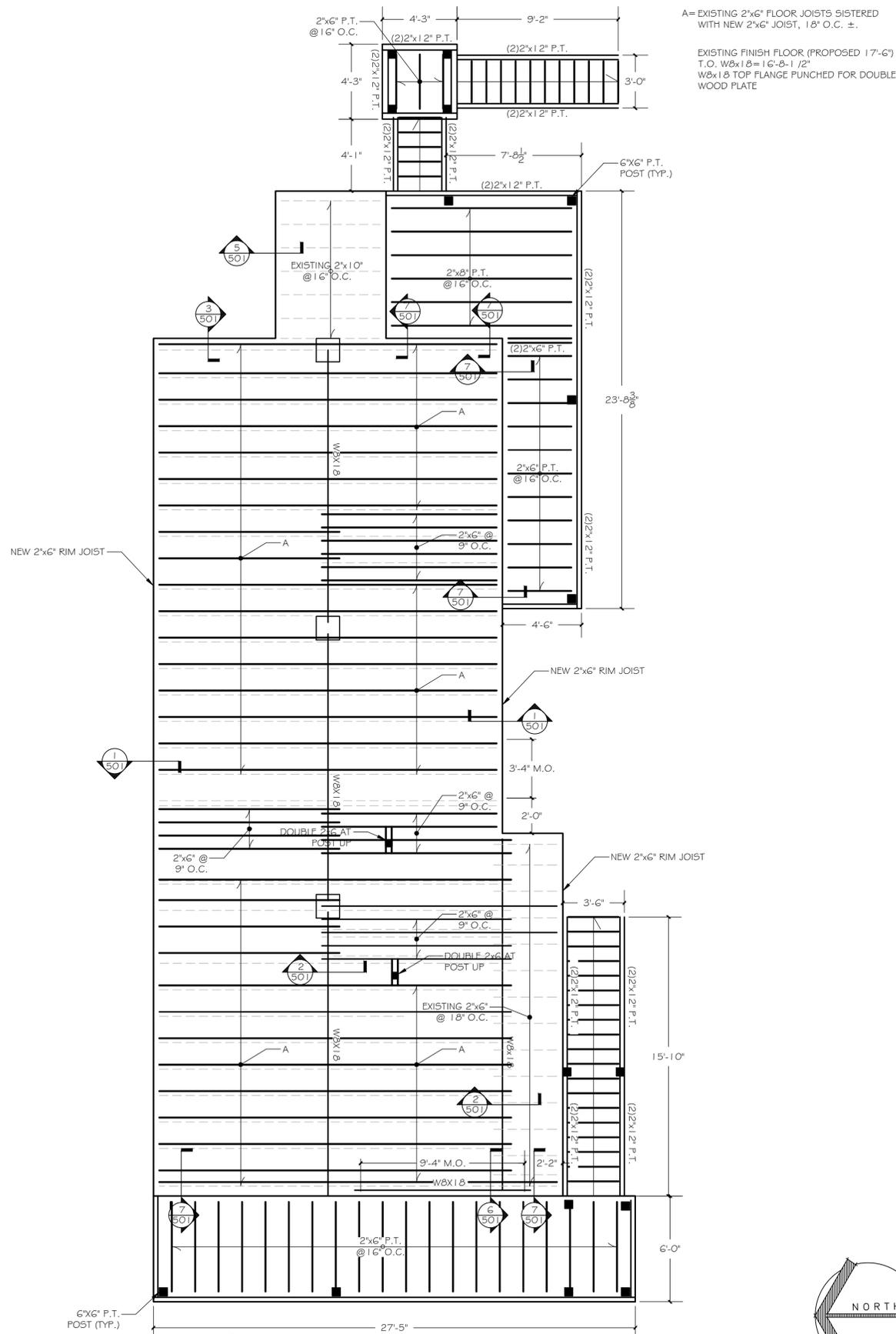
S-001

F.V. = FLOOD VENT
 C.J. = CONTROL JOINT
 BOTTOM FTG. ELEV. = 2.33' TYP.

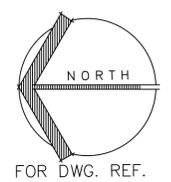
FTG. SCHEDULE	
F3.5	3'-6"x3'-6"x1'-0" 5# 4 EA. WAY



1 FOUNDATION PLAN
 S-101 SCALE: 1/4" = 1'-0"

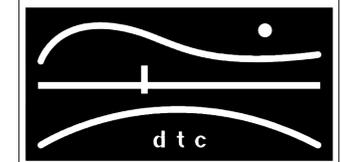


2 FRAMING PLAN
 S-101 SCALE: 1/4" = 1'-0"



NOTES:

REVISIONS



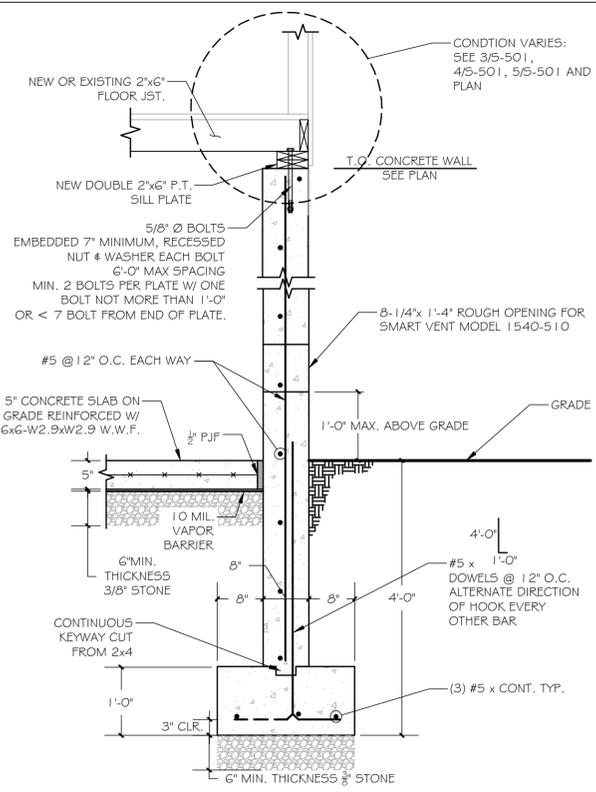
DIVERSIFIED TECHNOLOGY CONSULTANTS
 2321 WHITNEY AVE. HAMDEN CT 06518
 203 239 4200 203 234 7376 FAX

OORR
 APPLICATION NO. 1085
 CARLINO RESIDENCE
 17 ELAINE RD.
 MILFORD, CT

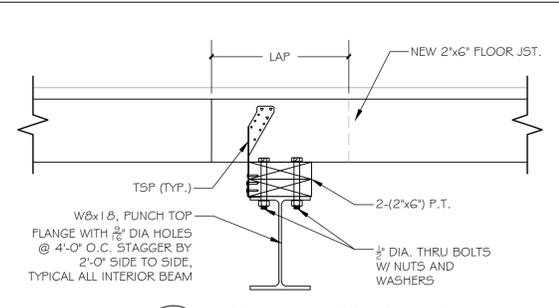
FOUNDATION & FRAMING
 PLANS

DTC PROJECT NUMBER: 13-449-011
 DTC DRAWING FILE:
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 DATE: JUNE 2015 CHECKED BY: B.O.

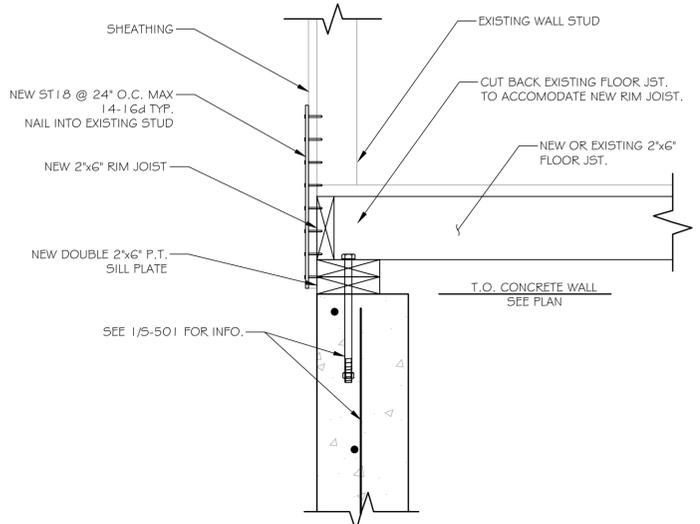
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S-101



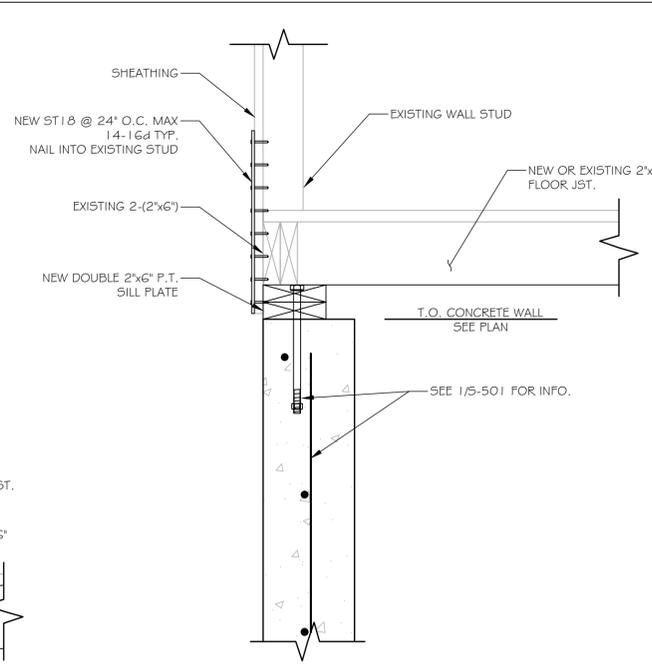
1 FOUNDATION WALL SECTION
S-501 SCALE: 3/4" = 1'-0"



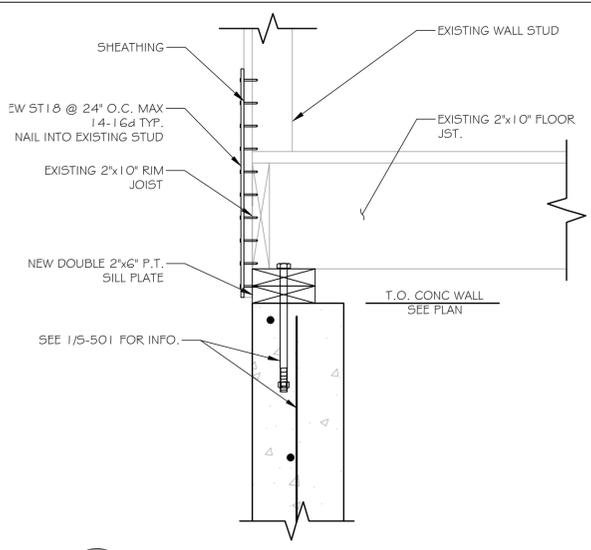
2 DETAIL @ INTERIOR BEAM
S-501 SCALE: 1-1/2" = 1'-0"



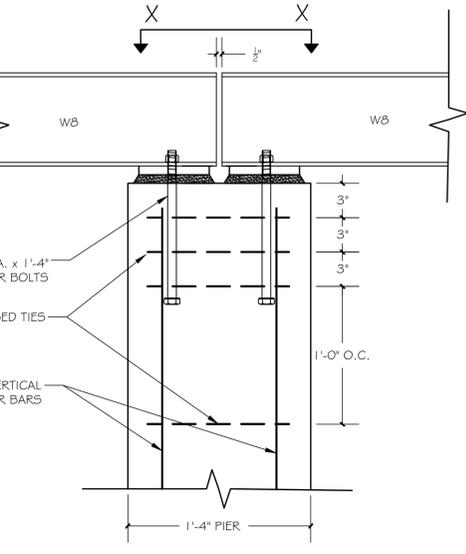
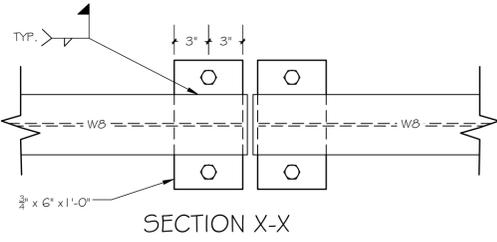
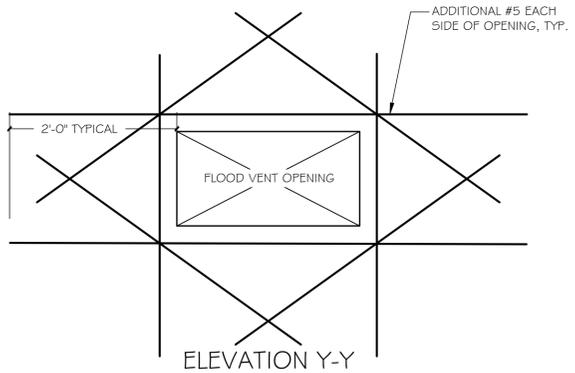
3 TOP OF WALL NORTH & SOUTH ELEVATIONS
S-501 SCALE: 1-1/2" = 1'-0"



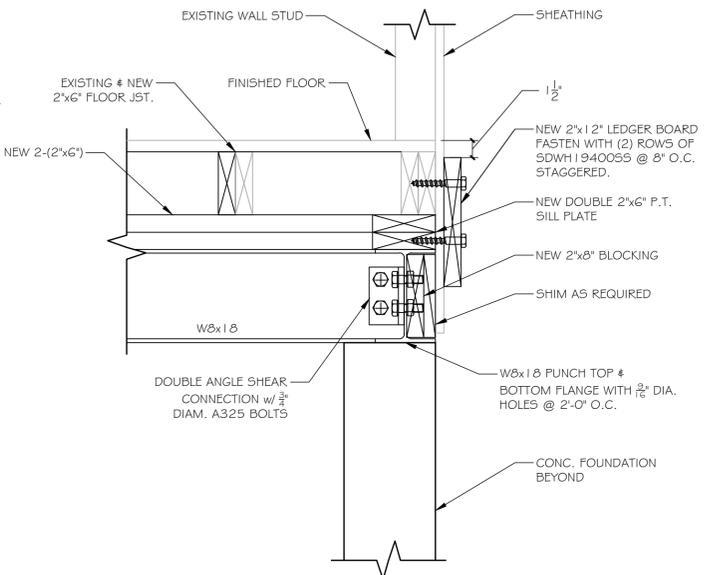
4 TOP OF WALL EAST AND WEST ELEVATION
S-501 SCALE: 1-1/2" = 1'-0"



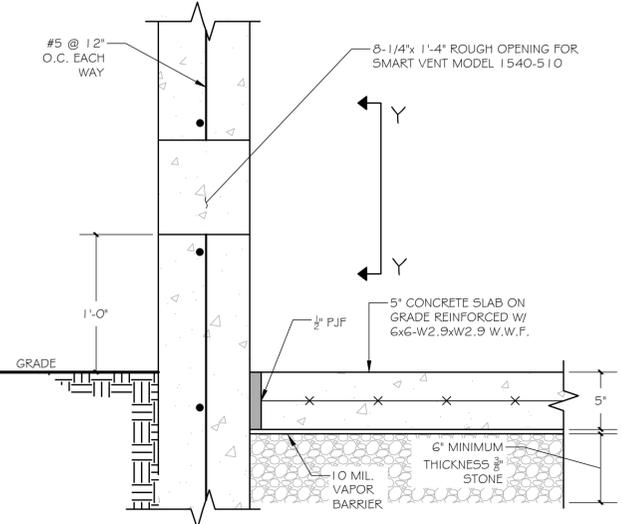
5 TOP OF WALL AT MECHANICAL ROOM
S-501 SCALE: 1-1/2" = 1'-0"



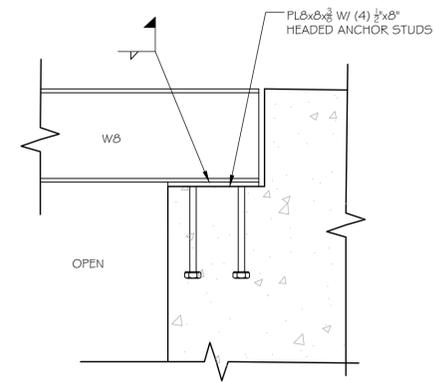
9 TYPICAL BEAM BEARING @ CONCRETE PIER DETAIL
S-501 SCALE: 1-1/2" = 1'-0"



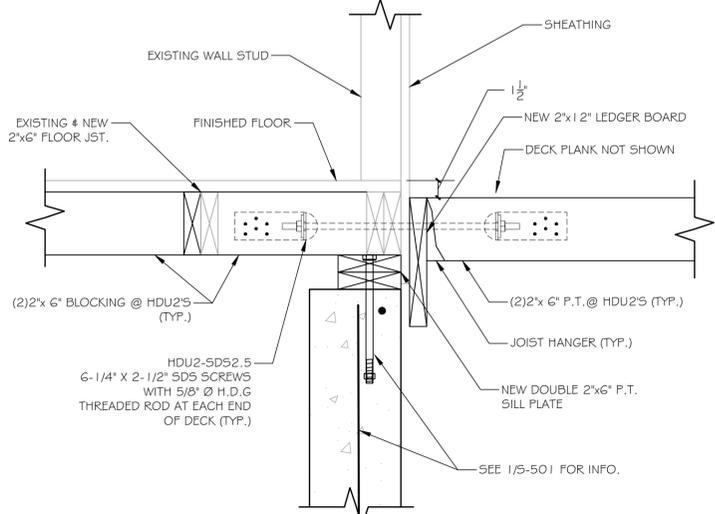
6 SECTION AT WEST OPENING
S-501 SCALE: 1-1/2" = 1'-0"



8 FLOOD VENT AND SLAB DETAIL
S-501 SCALE: 1-1/2" = 1'-0"



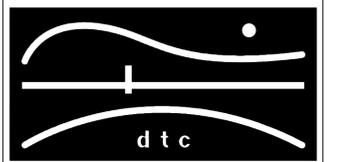
10 TYPICAL BEAM BEARING @ EXTERIOR WALL DETAIL
S-501 SCALE: 1-1/2" = 1'-0"



7 LEDGER BOARD AND DECK DETAIL
S-501 SCALE: 1-1/2" = 1'-0"

NOTES:

REVISIONS



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

OORR APPLICATION NO. 1085

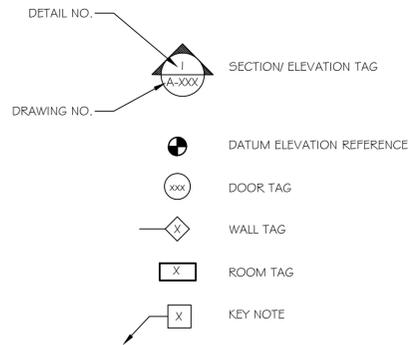
CARLINO RESIDENCE
17 ELAINE RD.
MILFORD, CT

SECTIONS & DETAILS

DTC PROJECT NUMBER: 13-449-011
DTC DRAWING FILE:
SCALE: VARIES DRAWN BY: R.E.M.
DATE: JUNE 2015 CHECKED BY: B.O.

SHEET:
S-501

DRAWING SYMBOLS



ASBESTOS & LEAD ABATEMENT

1. REFERENCE ASBESTOS & LEAD ABATEMENT SPECIFICATION. FOR SCOPE OF ABATEMENT WORK, COORDINATE DEMOLITION WORK WITH ASBESTOS & LEAD ABATEMENT WORK.
2. ABATE LEAD COMPONENTS WHERE ENCOUNTERED DURING CUTTING, & PATCHING WORK.

DEMOLITION NOTES

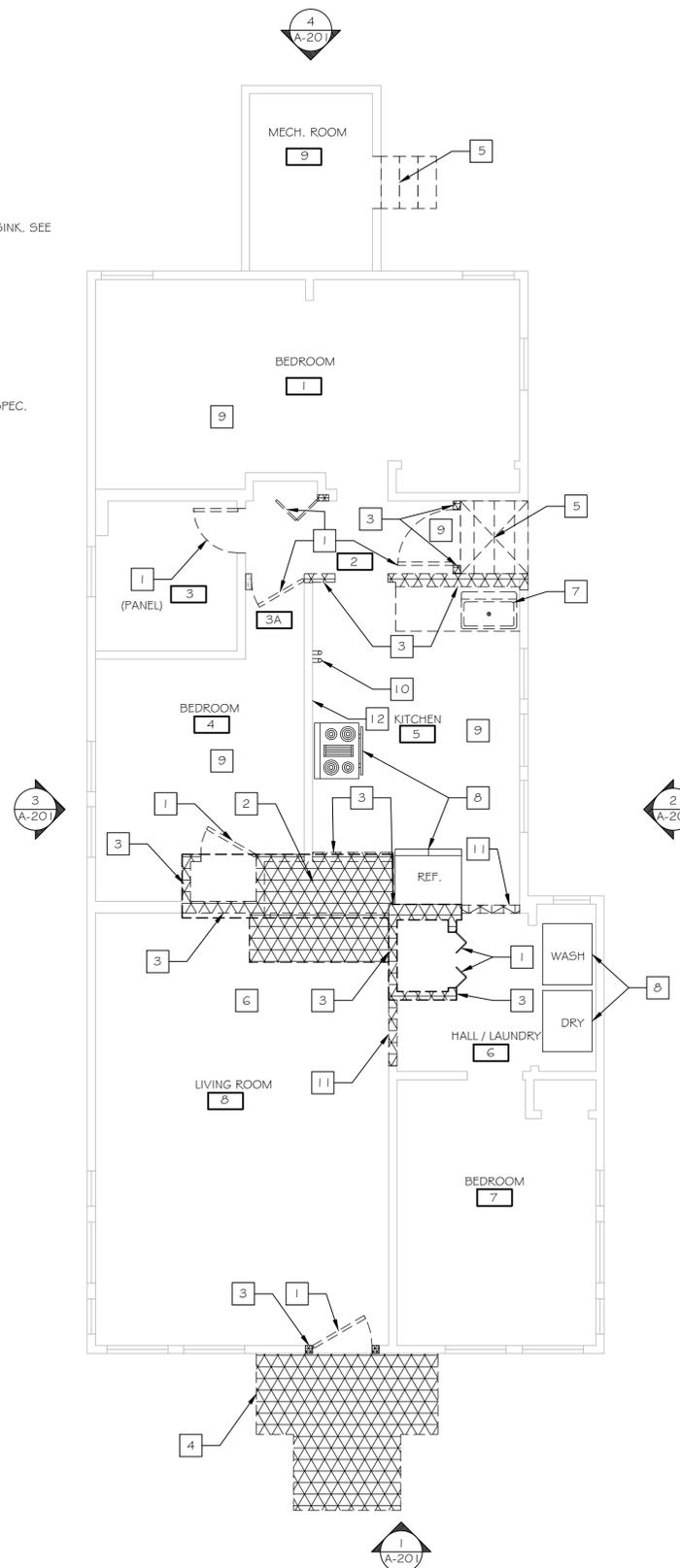
1. CONTRACTOR SHALL PERFORM ALL OPERATIONS OF DEMOLITION AND REMOVAL INDICATED ON THE DRAWINGS AND AS MAY BE REQUIRED BY THE WORK ALL WORK SHALL BE DONE CAREFULLY AND NEATLY, IN A SYSTEMATIC MANNER.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DEMOLITION AND REMOVAL FROM THE BUILDING SITE ALL MATERIALS THAT MUST BE REMOVED TO COMPLETE THE PROJECT. CARE SHALL BE TAKEN TO PROTECT ALL EXISTING AREAS, BEAMS, PIPES, DUCTS, AND FINISHES THAT ARE NOT TO BE AFFECTED BY CONSTRUCTION OR DEMOLITION. DAMAGE TO EXISTING BUILDING ELEMENTS TO REMAIN SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTORS EXPENSE.
3. CONTRACTOR SHALL TAKE ADEQUATE PRECAUTIONS DURING THE COURSE OF THE DEMOLITION AND CONSTRUCTION TO MAINTAIN AND PROTECT INTERIOR EXISTING PARTITIONS, WALLS, CEILING, FLOORS, FIXTURES, ETC. TO REMAIN.
4. ADJOINING PROPERTY AFFECTED BY ANY OPERATIONS OF DEMOLITION SHALL BE PROTECTED FROM DAMAGE BY CONSTRUCTION.
5. NOTIFY ENGINEER PRIOR TO CUTTING STRUCTURAL ELEMENTS. PROVIDE ADEQUATE SHORING OF ADJOINING STRUCTURES.

GENERAL NOTES

1. RAISE EXISTING HOUSE TO ELEVATIONS AS SHOWN ON PLANS, ELEVATION, CONSTRUCT NEW FOUNDATION, IMPROVEMENTS, & MAKE REPAIRS.
2. ALL WORK SHALL FULLY CONFORM WITH THE REQUIREMENTS OF THE BUILDING AND ELECTRICAL CODES OF THE STATE OF CONNECTICUT, O.S.H.A., ALL OTHER AUTHORITIES AND CODES HAVING JURISDICTION OVER THE WORK, AND THE BEST TRADE PRACTICES.
3. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS REQUIRED TO PERFORM THE WORK BEFORE COMMENCEMENT OF THE WORK. THE CONTRACTOR SHALL SECURE ALL CERTIFICATES OF INSPECTION AS REQUIRED BY ALL AUTHORITIES HAVING JURISDICTION OVER THE WORK AND SHALL DELIVER THE SAME TO THE ENGINEER.
4. ALL USE TAX, SALES TAX AND ANY OTHER CHARGES RELATIVE TO CONSTRUCTION OF THE PROJECT AND PAYMENT OF SAME ARE THE RESPONSIBILITY OF THE CONTRACTOR. AT THE COMPLETION OF THE WORK, DELIVER TO THE OWNER ALL REQUIRED PERMITS, CERTIFICATES OF APPROVAL, AND WARRANTIES CALLED FOR IN THIS SPECIFICATION.
5. CONTRACTOR SHALL CONFIRM DIMENSIONS IN THE FIELD.
6. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES BETWEEN THE DRAWINGS AND FIELD CONDITIONS TO THE ENGINEER IN A TIMELY MANNER.
7. MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED, BUT NECESSARY FOR PROPER CONSTRUCTION OF THE WORK SHALL BE INCLUDED AS IF THEY WERE INDICATED IN THE DRAWINGS.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL CONDITIONS AND MATERIALS WITHIN THE PROPOSED CONSTRUCTION AREA. THE CONTRACTOR SHALL DESIGN AND INSTALL ADEQUATE SHORING AND BRACING FOR ALL STRUCTURAL OR REMOVAL TASKS. THE CONTRACTOR SHALL HAVE SOLE RESPONSIBILITY FOR ANY DAMAGE OR INJURIES CAUSED BY OR DURING THE EXECUTION OF THE WORK.
9. THE CONTRACTOR SHALL LAYOUT THEIR OWN WORK AND SHALL PROVIDE ALL DIMENSIONS REQUIRED FOR OTHER TRADES (PLUMBING, ELECTRICAL, ETC.)
10. PLUMBING, MECHANICAL, AND ELECTRICAL WORK SHALL BE PERFORMED BY PERSONS LICENSED IN THEIR TRADES, WHO SHALL ARRANGE FOR AND OBTAIN INSPECTIONS APPROVALS.
11. THE CONTRACTOR SHALL PERFORM ALL CUTTING, PATCHING AND REPAIRING AS REQUIRED TO PERFORM ALL THE WORK AS MAY BE REQUIRED TO COMPLETE THE JOB.

NOTE:

1. REFERENCE ASBESTOS & LEAD ABATEMENT SPECIFICATION. COORDINATE DEMOLITION WORK WITH ASBESTOS & LEAD ABATEMENT WORK.
 2. CUT & PATCH EXISTING CONSTRUCTION TO FACILITATE NEW WORK. ABATE LEAD COMPONENTS WHERE ENCOUNTERED.
- KEY NOTES**
1. DEMOLISH EXISTING DOOR, FRAME, & HARDWARE.
 2. DEMOLISH EXISTING CHIMNEY, FIREPLACE, AND HEARTH.
 3. DEMOLISH EXISTING PORTION OF WALL
 4. DEMOLISH EXISTING STOOP, GABLE ROOF, GUTTERS, & LEADER
 5. DEMOLISH EXISTING STAIRS. DEMOLISH LEAD PAINTED OFF- WHITE CEILING. REMOVE PER LEAD ABATEMENT SPEC.
 6. DEMOLISH EXISTING WHITE PAINTED WALL TRIM. REFER LEAD REPORT.
 7. DEMOLISH CABINETS & COUNTERTOPS. DEMOLISH SINK/ ABATE ASBESTOS MATERIAL ON SINK. SEE ASBESTOS ABATEMENT SPECIFICATION.
 8. REMOVE & STORE APPLIANCES FOR RE-INSTALLATION.
 9. REMOVE & DISPOSE FLOORING TO HARDWOOD FLOOR.
 10. DEMOLISH ABANDONED WASHER/ DRYER HOOK UP & DRAIN.
 11. DEMOLISH CEILING & GYP. @ WALL FOR INSTALLATION OF COLUMN & BEAM.
 12. REMOVE OFF WHITE PAINTED WOOD WALL (LEAD PAINT), DISPOSE PER LEAD ABATEMENT SPEC.

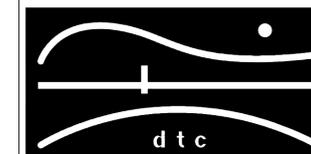


1 FIRST FLOOR DEMOLITION PLAN
 (AD-101) SCALE: 1/4" = 1'-0"



NOTES:

REVISIONS



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

OORR
APPLICATION NO. 1085

CARLINO RESIDENCE
17 ELAINE RD.
MILFORD, CT

GENERAL NOTES,
SYMBOLS, &
DEMOLITION PLAN

DTC PROJECT NUMBER: 13-449-011

DTC DRAWING FILE:

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

DRAWN BY: R.E.M

DATE: JUNE 2015

CHECKED BY: M.P.C

SHEET:

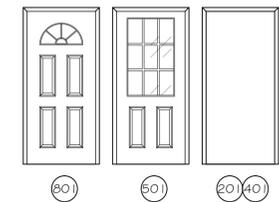
AD-101

NO.	ROOM NAME	FLOOR		BASE		NORTH WALL		EAST WALL		SOUTH WALL		WEST WALL		CEILING		REMARKS
		MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	
1	BEDROOM	---	CARPET	---	---	---	---	---	---	---	---	---	---	---	---	(1)
2	ENTRY HALL	WOOD	POLY	WOOD	PTD.	GYP./WOOD	PTD.	GYP.	PTD.	GYP.	PTD.	GYP.	PTD.	GYP.	PTD.	PATCH # PAINT CEILING. REFINISH HARD WOOD FLOORING.
3	BATHROOM	---	---	---	---	---	---	---	---	---	---	---	---	---	---	(1)
3A	HALL	WOOD	POLY	WOOD	PTD.	GYP./WOOD	PTD.	GYP.	PTD.	GYP.	PTD.	GYP.	PTD.	GYP.	PTD.	(1)
4	BEDROOM	---	CARPET	WOOD	(2)	---	---	GYP.	PTD. (2)	GYP.	PTD. (2)	GYP.	PTD. (1)	GYP.	PTD. (2)	(1)
5	KITCHEN	WOOD	POLY	WOOD	PTD.	GYP./WOOD	PTD. (3)	GYP.	PTD.	---	---	GYP.	PTD.	GYP.	PTD.	PATCH # PAINT ENTIRE CEILING. REFINISH HARD WOOD FLOORING.
6	HALL/LAUNDRY	---	---	---	---	---	---	---	---	---	---	---	---	---	---	(3) (1)
7	BEDROOM	---	---	---	---	---	---	---	---	---	---	---	---	---	---	(1)
8	LIVING ROOM	WOOD	POLY	WOOD	STN. POLY	---	---	GYP.	PTD. (1)	GYP.	PTD. (1)	GYP.	PTD.	GYP.	PTD.	PATCH WOOD FLOOR # BASE, (3)

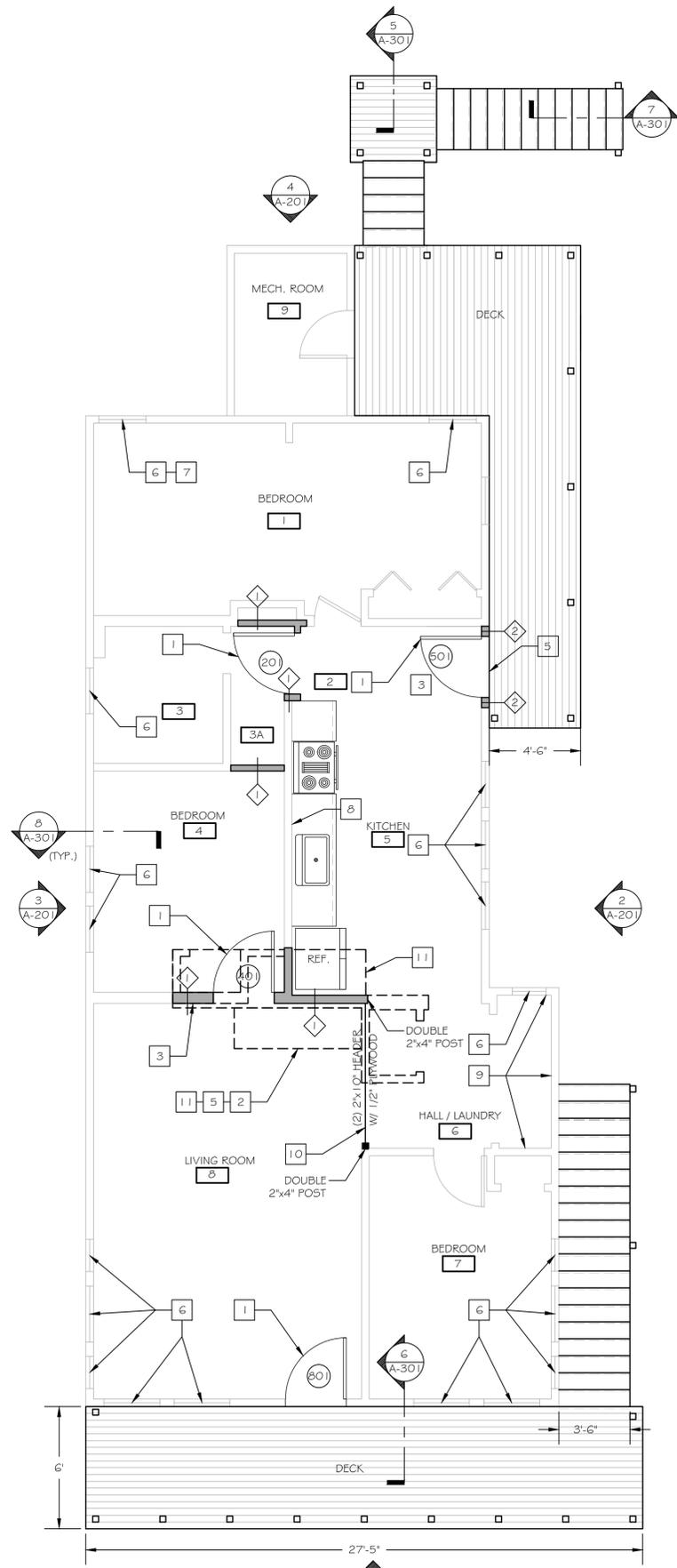
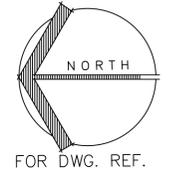
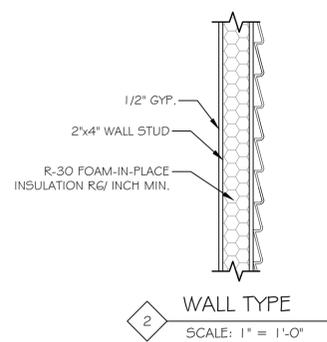
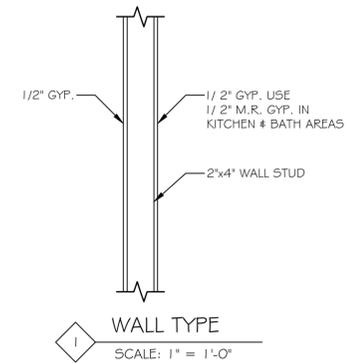
- (1) PATCH # FINISH WALLS AT NEW WORK AREAS. PAINT WALL CORNER TO CORNER.
- (2) PROVIDE MATCHING TO COMPLETE WALL/CEILING AT NEW WORK LOCATIONS.
- (3) COORDINATE WITH LEAD ABATEMENT SPEC FOR MATERIALS TO BE ABATED.

LETTER	DOOR				FRAME	HARDWARE	REMARKS
	WIDTH	HEIGHT	THICKNESS	MATERIAL			
201	3'-0"	6'-8"	1-3/8"	WOOD	FLUSH HOLLOW CORE	WOOD MASONITE	BATH PAINTED (1), PRE-HUNG
401	3'-0"	6'-8"	1-3/8"	WOOD	FLUSH HOLLOW CORE	WOOD MASONITE	BEDROOM PAINTED (1), PRE-HUNG
501	3'-0"	6'-8"	1-3/4"	STEEL	ENTRY	WOOD THERMATRU PROFILE 26246	BY OWNER 9 LITE PAINTED (1),(2), PRE-HUNG
801	3'-0"	6'-8"	1-3/4"	STEEL	ENTRY	WOOD THERMATRU PROFILE 25540	BY OWNER PAINTED (1), (2), PRE-HUNG

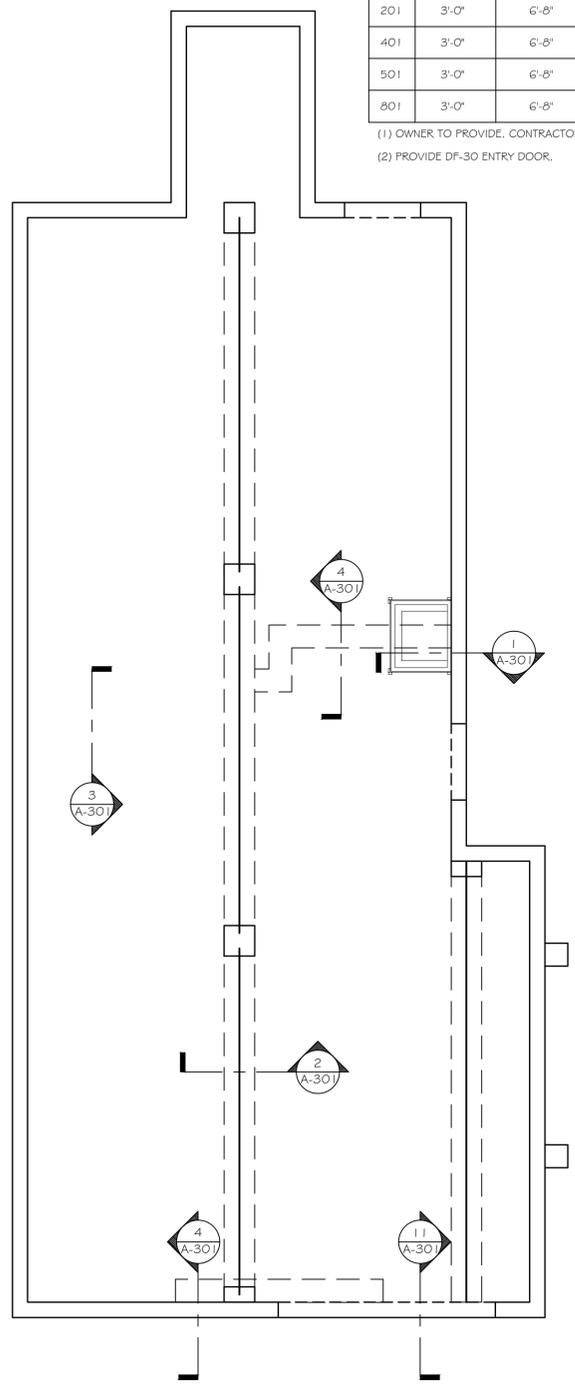
- (1) OWNER TO PROVIDE. CONTRACTOR TO INSTALL HARDWARE.
- (2) PROVIDE DF-30 ENTRY DOOR.



- NOTE:
1. KITCHEN CABINERY SHALL BE BY OWNER. COORDINATE FIELD LAYOUT WITH OWNERS KITCHEN DESIGN. PROVIDE BLOCKING AT CABINERY.
- KEY NOTES
1. PROVIDE NEW DOOR, FRAME, # HARDWARE. RE-FRAME DOOR OPENING. PROVIDE NEW TRIM TO MATCH.
 2. PATCH HARDWOOD FLOORS.
 3. REFRAME ENTRY CEILING # FLOOR. PROVIDE NEW UNDERLAYMENT # HARDWOOD FLOOR. PROVIDE NEW GYP. CEILING TO MATCH CEILING.
 4. PROVIDE NEW DECK. SEE STRUCTURAL PLANS.
 5. INFILL FLOOR WITH NEW SUBSTRUCTURE. SEE STRUCTURAL PLANS.
 6. LEAD ENCAPSULATE PAINT WHITE PAINTED WOODEN WINDOW CASINGS, SILLS, APRONS, # SASHES.
 7. CLEAN LEAD DUST FROM WINDOW SILL.
 8. REMOVE OFF-WHITE PAINTED WOOD PANEL WALLS. FINISH WALLS WITH NEW 1/2" M.R. GYPSUM.
 9. GREEN PAINTED WALLS. ENCAPSULATE WITH LEAD ENCAPSULATING PAINT. SEE LEAD ABATEMENT SPECIFICATION.
 10. INSTALL NEW BEAM # WRAP OPENING W/ 1/2" GYP. PTD.
 11. PATCH CEILINGS. PROVIDE INFILL FRAMING WHERE NEEDED.



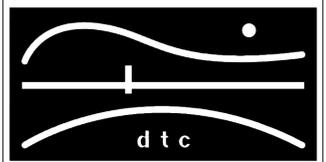
1 FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"



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

NOTES:

REVISIONS



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

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CARLINO RESIDENCE
17 ELAINE RD.
MILFORD, CT

FIRST, & GROUND
FLOOR PLANS &
SCHEDULES

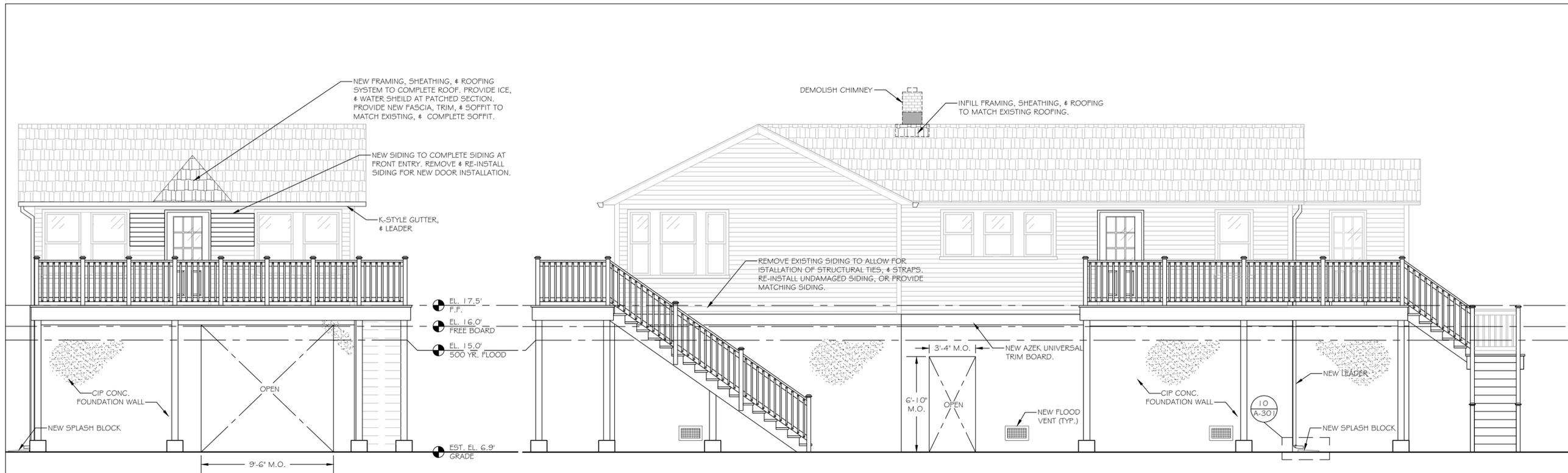
DTC PROJECT NUMBER: 13-449-011

DTC DRAWING FILE:

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DATE: JUNE 2015 CHECKED BY: M.P.C.

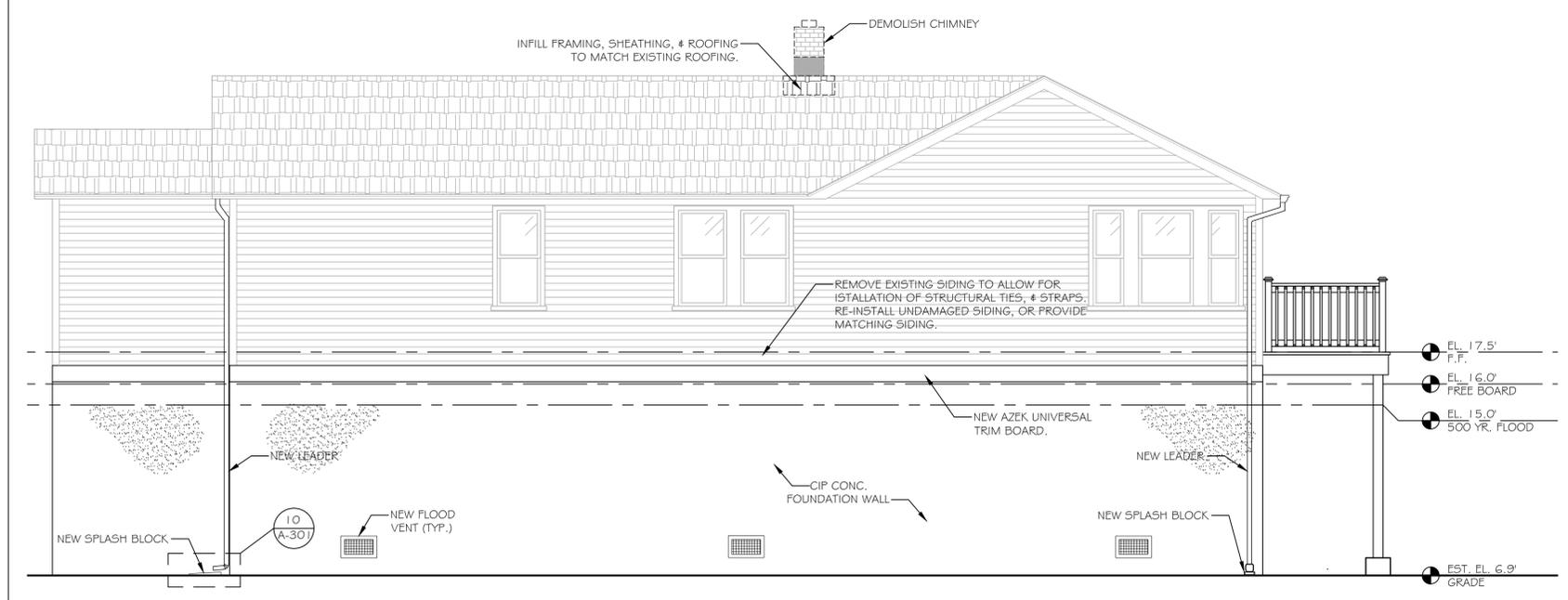
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A-101

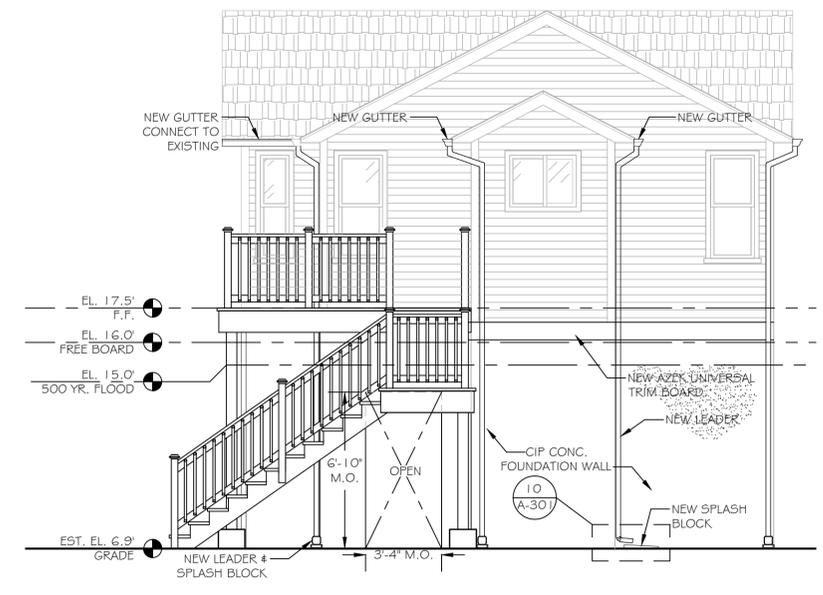


1 WEST ELEVATION
A-201 SCALE: 1/4" = 1'-0"

2 SOUTH ELEVATION
A-201 SCALE: 1/4" = 1'-0"



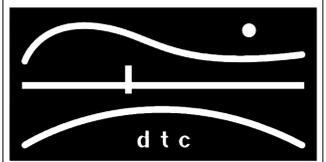
3 NORTH ELEVATION
A-201 SCALE: 1/4" = 1'-0"



4 EAST ELEVATION
A-201 SCALE: 1/4" = 1'-0"

NOTES:

REVISIONS



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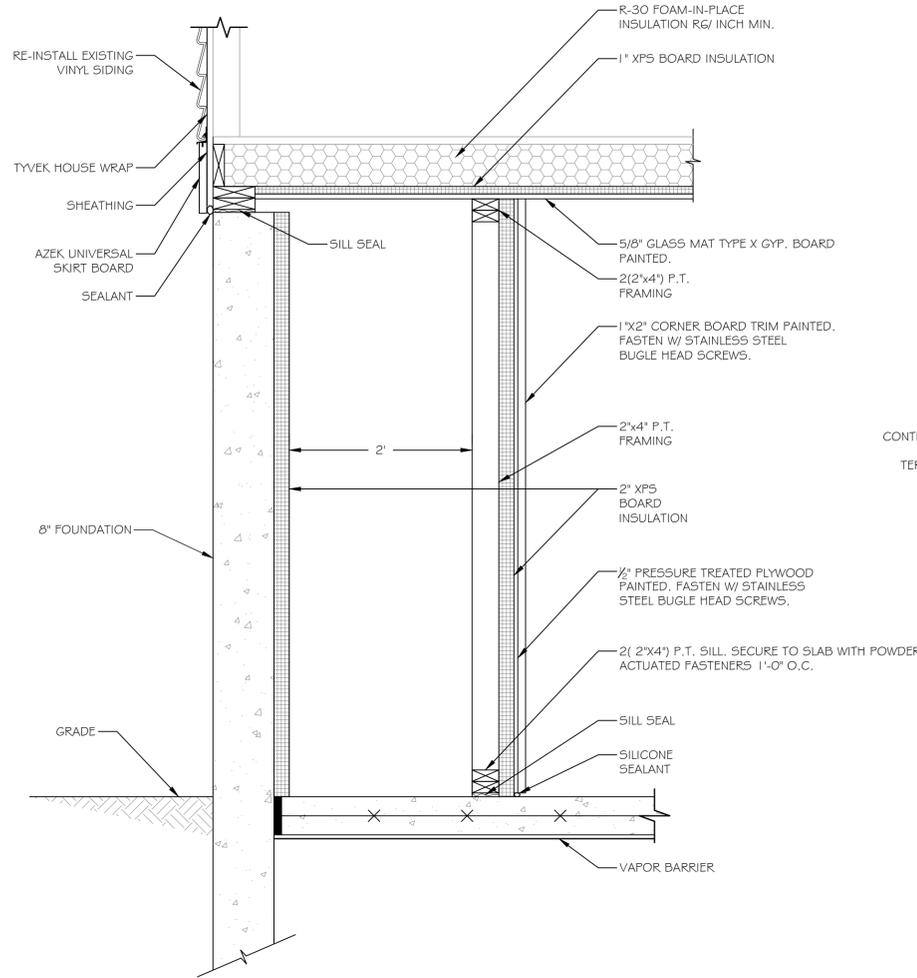
ELEVATIONS

DTC PROJECT NUMBER: 13-449-011
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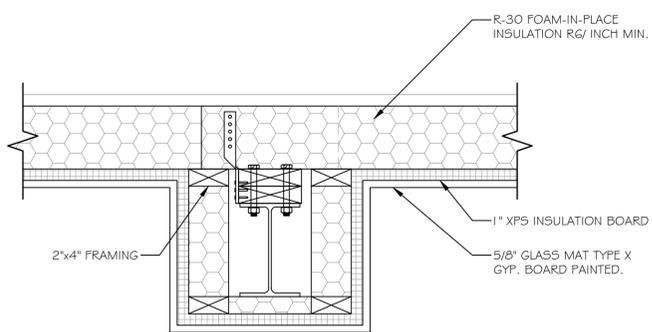
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DATE: JUNE 2015 CHECKED BY: M.P.C.

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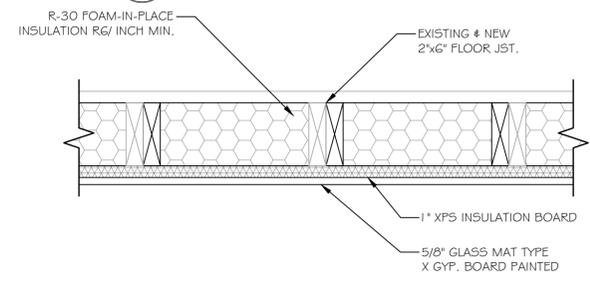
A-201



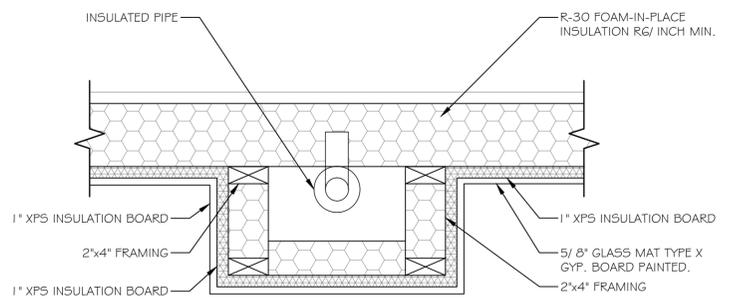
1 WALL SECTION AT VERTICAL CHASE
SCALE: 1" = 1'-0"



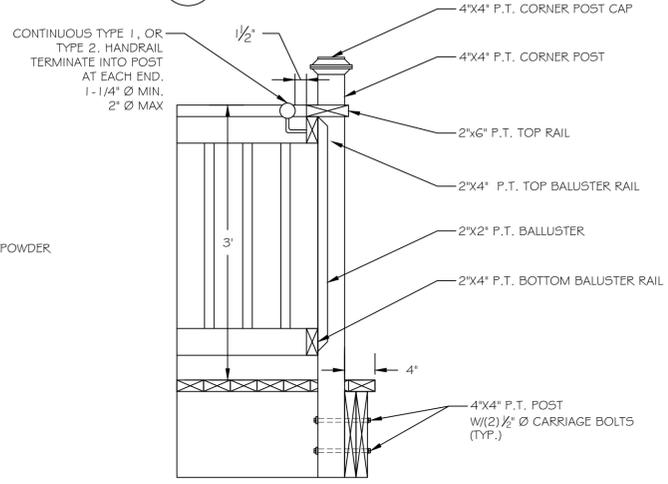
2 TYPICAL STEEL BEAM ENCLOSURE
SCALE: 1-1/2" = 1'-0"



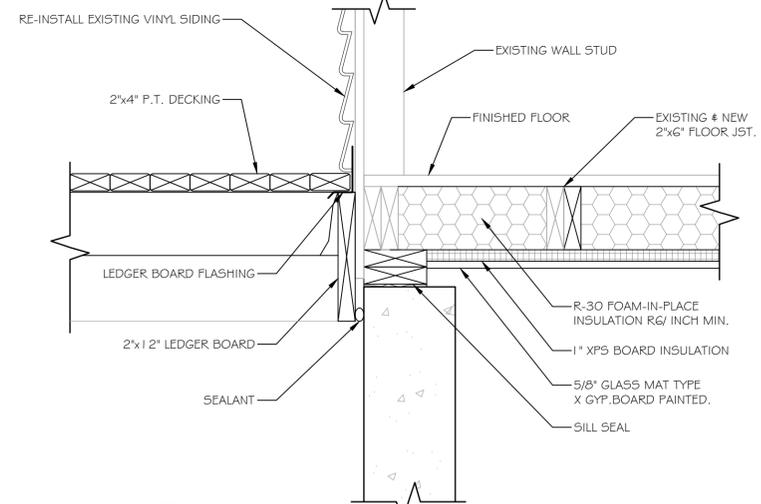
3 TYPICAL FLOOR SECTION
SCALE: 1-1/2" = 1'-0"



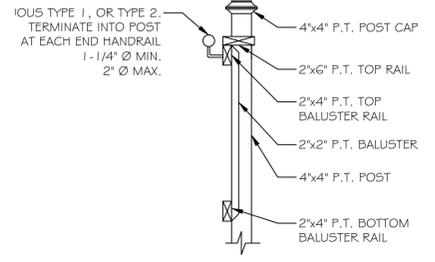
4 TYPICAL HORIZONTAL PIPE CHASE
SCALE: 1" = 1'-0"



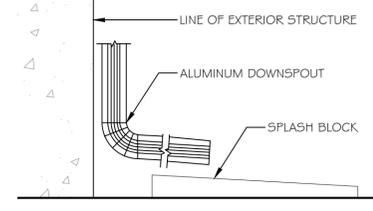
5 RAILING/ POST DETAIL
SCALE: 1" = 1'-0"



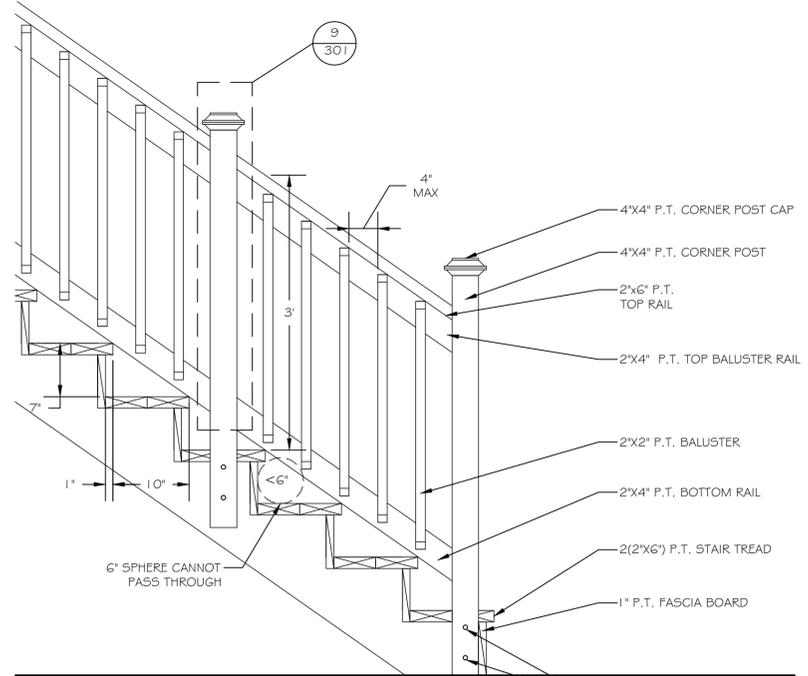
6 DECK SECTION
SCALE: 1-1/2" = 1'-0"



9 INTERMEDIATE POST AT RAILING
SCALE: 1" = 1'-0"

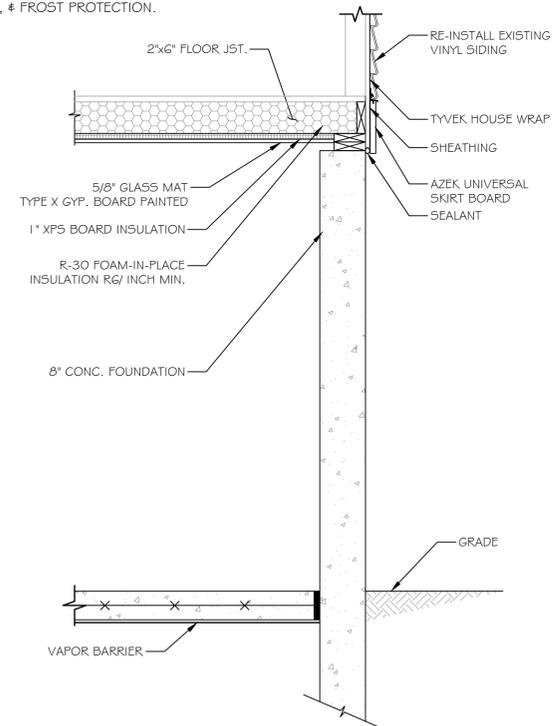


10 TYPICAL DOWNSPOUT & SPLASH BLOCK
SCALE: N.T.S.

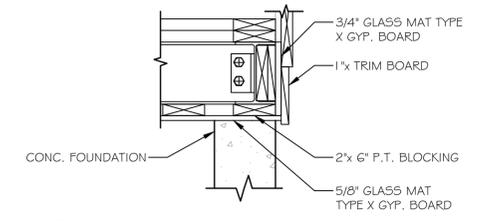


7 STAIR DETAIL
SCALE: 1" = 1'-0"

NOTE: REF. CIVIL, & STRUCTURAL FOR STAIR LANDING, & FROST PROTECTION.



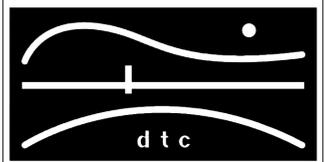
8 WALL SECTION
SCALE: 3/4" = 1'-0"



11 BEAM ENCLOSURE DETAIL
SCALE: 1" = 1'-0"

NOTES:

REVISIONS



DIVERSIFIED TECHNOLOGY CONSULTANTS
2321 WHITNEY AVE. HAMDEN CT 06518
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MILFORD, CT

SECTIONS & DETAILS

DTC PROJECT NUMBER: 13-449-011
DTC DRAWING FILE:
SCALE: VARIES DRAWN BY: R.E.M
DATE: JUNE 2015 CHECKED BY: M.P.C

SHEET:

A-301

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.
- PROVIDE SHUTOFF VALVES AT ALL BRANCH PIPING TAKEOFFS.
- ALL BRANCH WATER PIPES TO HAVE STOP VALVES AT EACH PLUMBING FIXTURE.
- INSULATE COLD WATER AND HOT WATER PIPING.
- 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.
- 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
- 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 CIVIL DRAWINGS. COORDINATE ALL FOUNDATION WALL PENETRATIONS AND INVERT ELEVATIONS.
- 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.

LEGEND

SYMBOL	DESCRIPTION
	SOIL OR WASTE ABOVE FLOOR OR GRADE
	SOIL OR WASTE BELOW FLOOR OR GRADE
	VENT PIPING
	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
	CHECK VALVE
	UNION
	CAP ON END OF PIPE
	GAS COCK
	POINT OF CONNECTION
	POINT OF DISCONNECT
	TEMPERING VALVE
	WATER METER
	HOT WATER SUPPLY

HVAC GENERAL NOTES

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

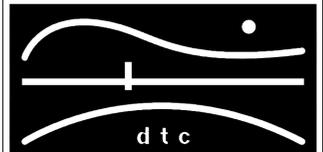
ABBREVIATIONS

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

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

NOTES:

REVISIONS



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

OORR
APPLICATION NO. 1085

CARLINO RESIDENCE
17 ELAINE RD.
MILFORD, CT

MECHANICAL &
PLUMBING GENERAL
NOTES

DTC PROJECT NUMBER: 13-449-011

DTC DRAWING FILE:

SCALE: 1/4"=1.0

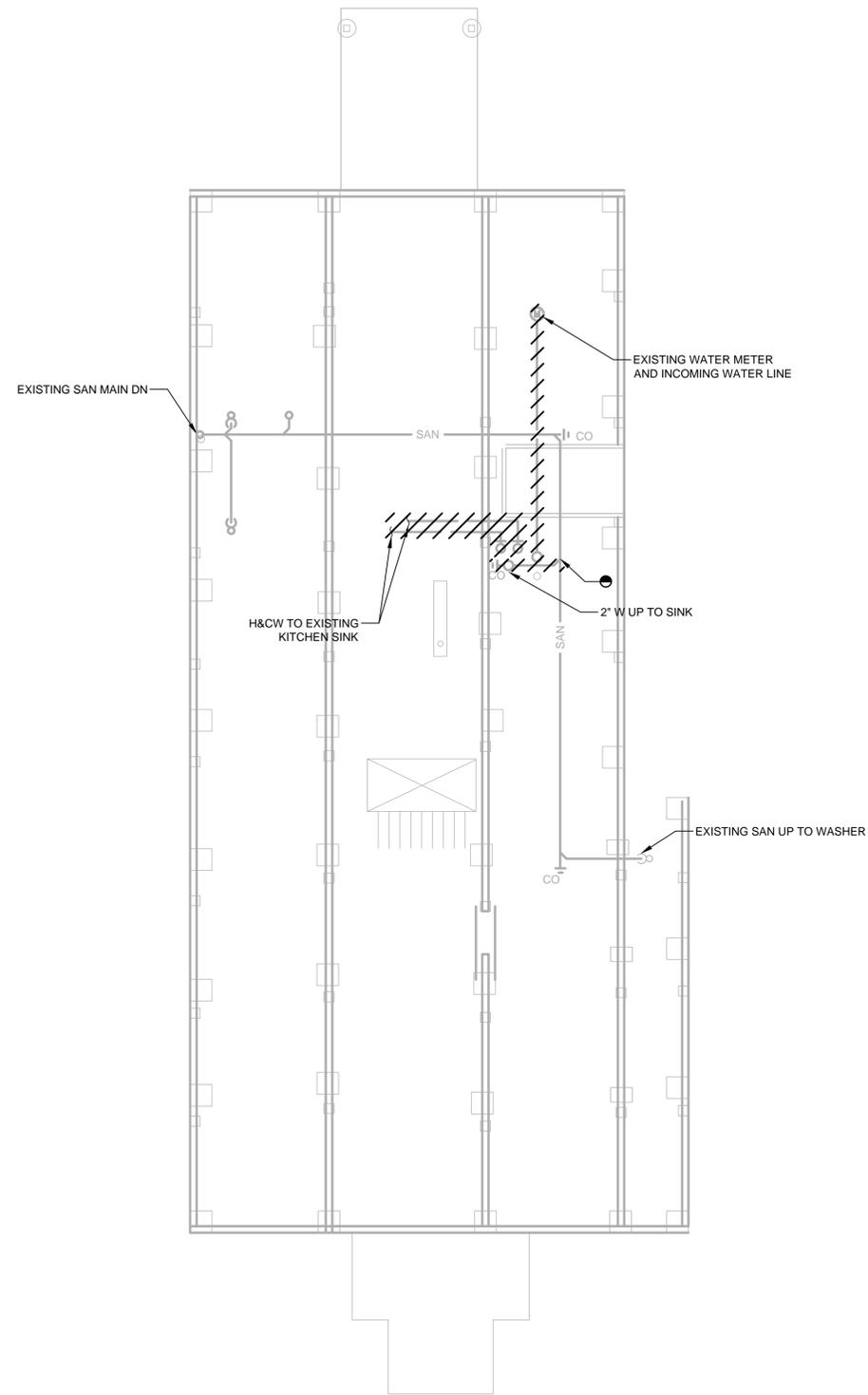
DRAWN BY: RWF

DATE: JUNE 2015

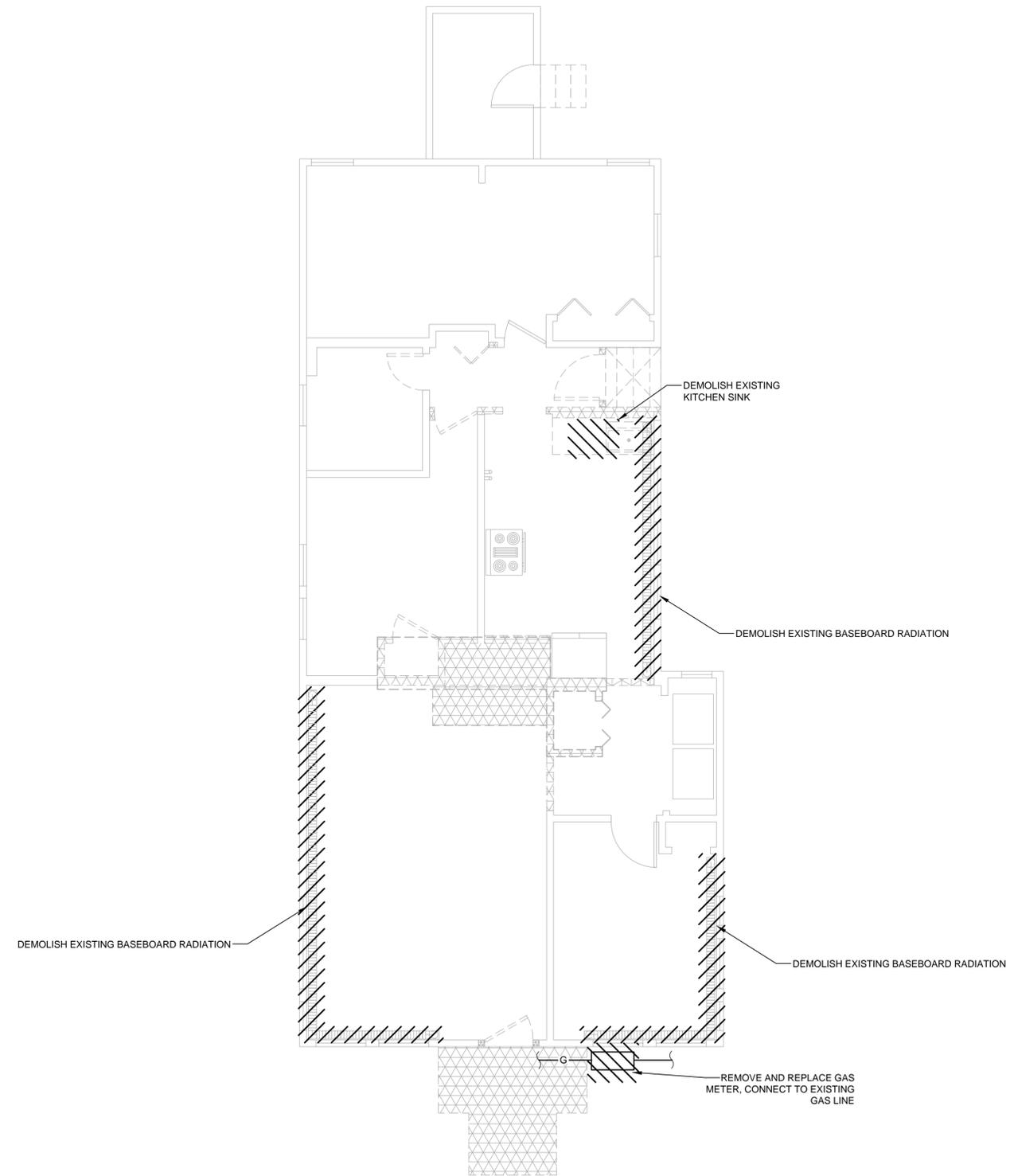
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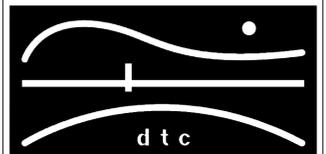
1 FOUNDATION PLAN
SCALE: 1/4" = 1'-0"



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

NOTES:

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

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CARLINO RESIDENCE
17 ELAINE RD.
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MECHANICAL &
PLUMBING DEMO
FLOOR PLANS

DTC PROJECT NUMBER: 13-449-011

DTC DRAWING FILE:

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

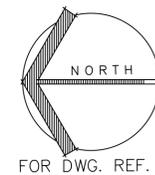
DRAWN BY: R.E.M

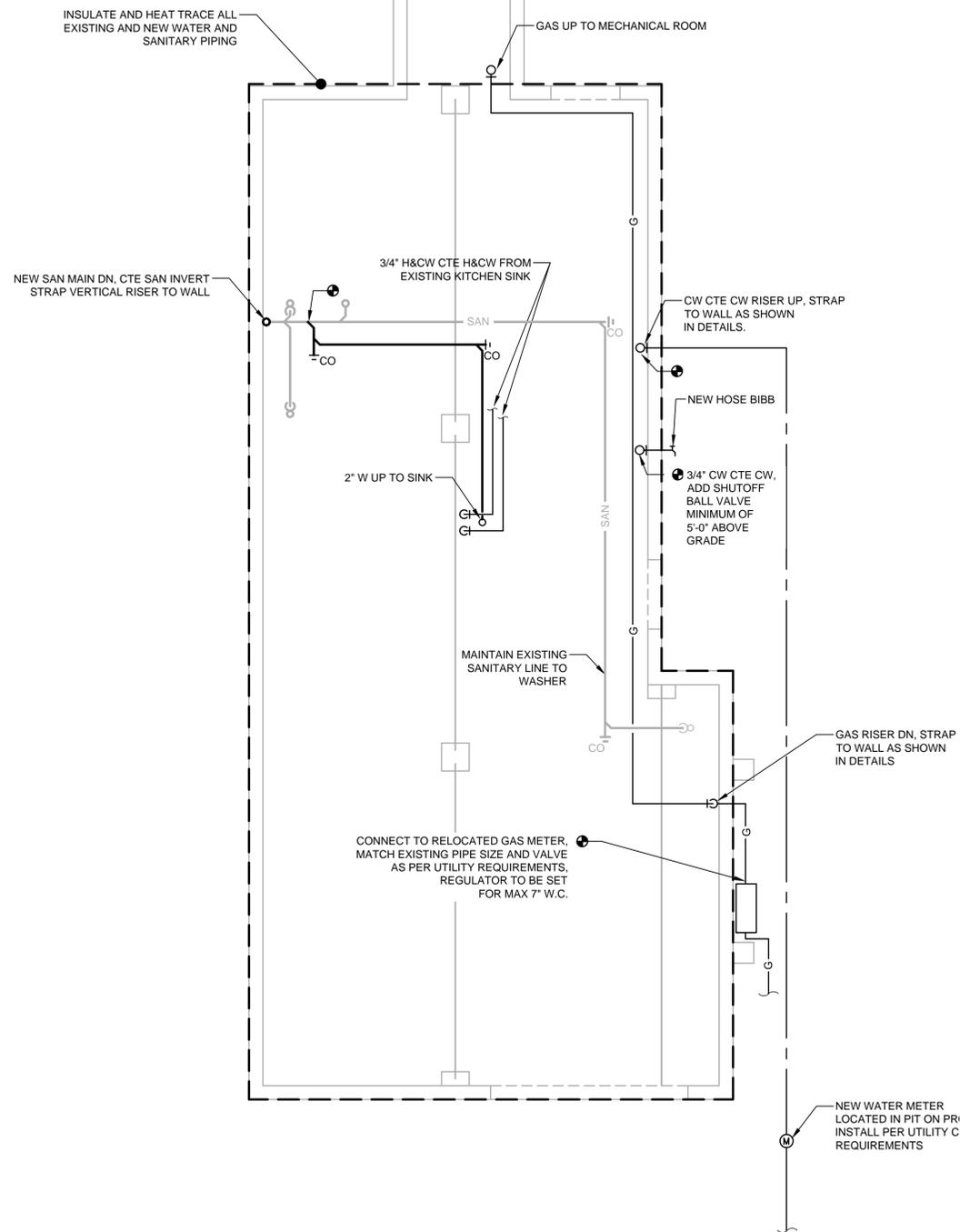
DATE: JUNE 2015

CHECKED BY: M.P.C

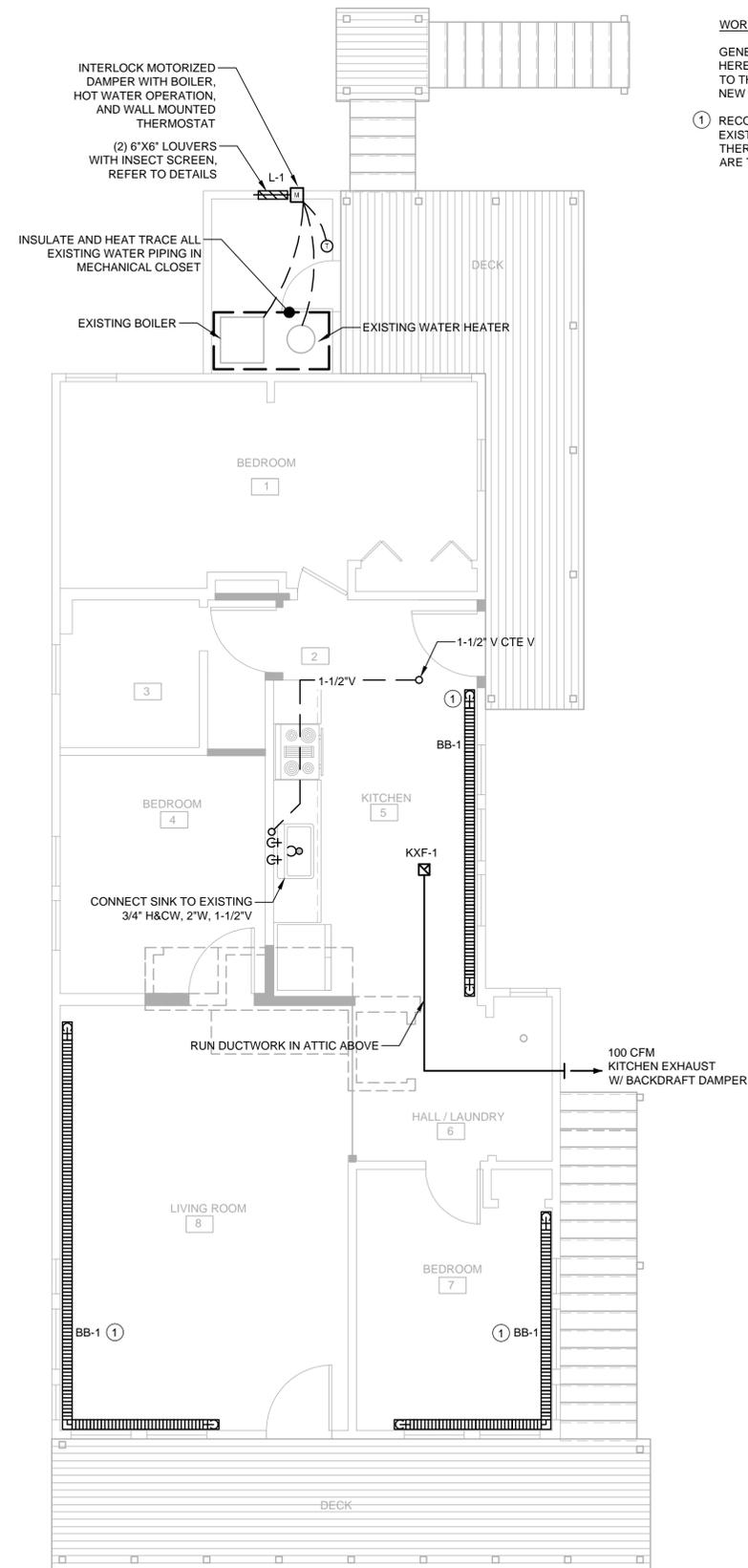
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MPD-101





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



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

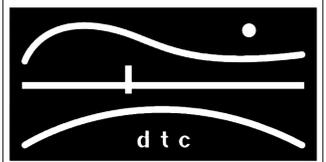
WORK NOTES:

GENERAL NOTE: ANY PIPING SHOWN HERE TO BE EXTENDED AT NO COST TO THE OWNER TO ACCOMMODATE NEW HEIGHT OF BUILDING

① RECONNECT NEW BASEBOARD TO EXISTING PIPING, EXISTING THERMOSTAT AND CONTROL VALVES ARE TO BE REUSED

NOTES:

REVISIONS



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

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CARLINO RESIDENCE
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MECHANICAL &
PLUMBING FLOOR
PLANS

DTC PROJECT NUMBER: 13-449-011
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SHEET:
MP-101



PLUMBING FIXTURE/EQUIPMENT SCHEDULE

SYMBOL	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.
	HT	RAYCHEM	8XL1	120V, 1 Ø, 60 HZ, 8W/FT WITH A MAXIMUM LENGTH OF 115 FT, MAXIMUM OPERATING TEMP OF 150F.

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	I.B.M.	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"																																
GLOBE & ANGLE VALVES	502	-	-	1/8"-3"																																
	1590T	-	-	3/8"-3"																																
	595T	-	-	1/8"-3"																																
CHECK VALVES	F-2981	-	-	2"-10"																																
	F-2974	-	-	2"-12"																																
	2974	-	-	2"-12"																																
PLUG VALVES	510T	-	-	1/4"-2"																																
	1509	-	-	3/8"-3"																																
	-	611	-	1/2"-6"																																
PRESSURE REDUCING VALVES	-	611	-	1"-4"																																
	-	612	-	1"-8"																																
	-	-	LF25AUB	1/2"-2"																																

MATERIAL SCHEDULE

SYSTEMS	PIPE				FITTING		JOINTS						
	REQUIRED	P.V.C. SCHEDULE 80	STL. SCHED. 40	BLACK STEEL	GALVANIZED	C.T. "L"	PEX	P.V.C. SCHEDULE 80	SOLDER FITTINGS	THREADED	SOLDERED	WELDED	NO-HUB (HUSKY # 400)
SANITARY													
VENTS													
C.W. DISTRIBUTION													
HOSE BIBB BRANCH PIPING													
H.W.													
GAS													

FAN SCHEDULE

MARK	MANUFACTURER	MODEL	CFM	SP	WATTS	REMARKS
KXF-1	BROAN	XB-110	110	.1" w.c.	7.7	PROVIDE WALL MOUNTED SWITCH

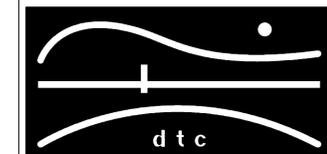
FINNED TUBE RADIATION SCHEDULE

UNIT	MFR	MODEL	FIN SIZE (IN)	FINS / LF	ROWS	TUBE SIZE	BTUH / LF	COVER DEPTH / HEIGHT (IN)	REMARKS
BB-1	SLANT FIN	MULTIPAK 80 H-3	2.75x2.5	55	1	3/4"	410	3.5/8.875	

NOTES: BASEBOARD IS DERATED TO 140F AWT(F).

NOTES:

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MECHANICAL &
PLUMBING SCHEDULES
& DETAILS

DTC PROJECT NUMBER: 13-449-011

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SCALE: 1/4"=1.0

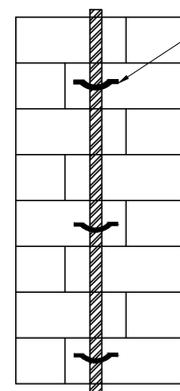
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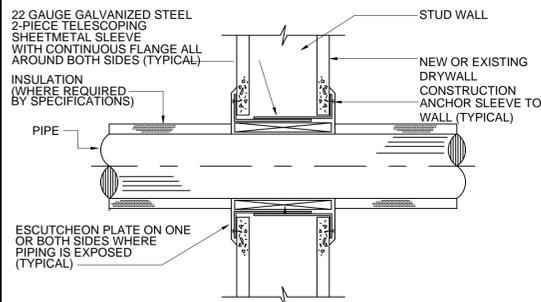
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MP-300



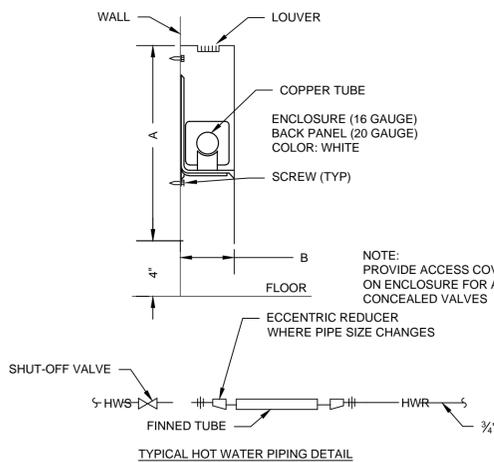
PROVIDE NON-CORROSIVE METAL PIPE STRAPS TO FASTEN VERTICAL PIPE RISE TO FOUNDATION COLUMNS. STRAPS SHALL BE CAPABLE OF WITHSTANDING HYDROSTATIC AND HYDRODYNAMIC LOADS AND STRESSES.

1 FLOOD RESISTANT STRAPPING DETAIL
MP300 NOT TO SCALE



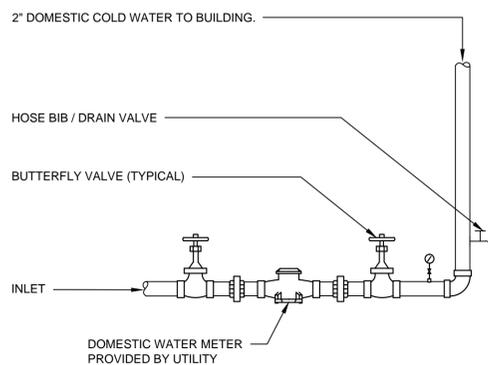
22 GAUGE GALVANIZED STEEL 2-PIECE TELESCOPING SHEETMETAL SLEEVE WITH CONTINUOUS FLANGE ALL AROUND BOTH SIDES (TYPICAL).
NEW OR EXISTING DRYWALL CONSTRUCTION ANCHOR SLEEVE TO WALL (TYPICAL).
INSULATION (WHERE REQUIRED BY SPECIFICATIONS).
ESCUTCHEON PLATE ON ONE OR BOTH SIDES WHERE PIPING IS EXPOSED (TYPICAL).

2 WALL/FLOOR PENETRATION DETAIL
MP300 NOT TO SCALE



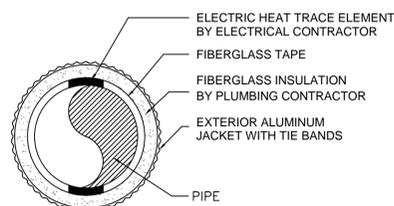
WALL, LOUVER, COPPER TUBE, ENCLOSURE (16 GAUGE) BACK PANEL (20 GAUGE) COLOR: WHITE, SCREW (TYP), FLOOR, SHUT-OFF VALVE, FINNED TUBE, ECCENTRIC REDUCER WHERE PIPE SIZE CHANGES, HWS, HWR, 3/4".
NOTE: PROVIDE ACCESS COVERS ON ENCLOSURE FOR ALL CONCEALED VALVES.
TYPICAL HOT WATER PIPING DETAIL

3 FINNED TUBE RADIATION DETAIL
MP300 NOT TO SCALE



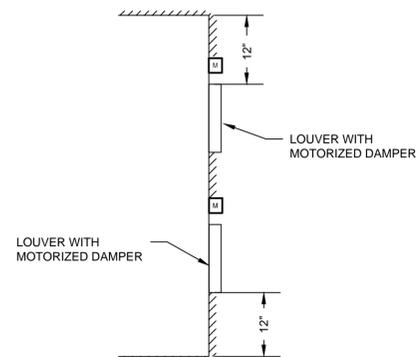
2" DOMESTIC COLD WATER TO BUILDING, HOSE BIB / DRAIN VALVE, BUTTERFLY VALVE (TYPICAL), INLET, DOMESTIC WATER METER PROVIDED BY UTILITY.

4 VALVE AND WATER SERVICE ENTRANCE DETAIL
MP300 NOT TO SCALE



ELECTRIC HEAT TRACE ELEMENT BY ELECTRICAL CONTRACTOR, FIBERGLASS TAPE, FIBERGLASS INSULATION BY PLUMBING CONTRACTOR, EXTERIOR ALUMINUM JACKET WITH TIE BANDS, PIPE.

5 HEAT TRACE DETAIL
MP300 NOT TO SCALE



LOUVER WITH MOTORIZED DAMPER, LOUVER WITH MOTORIZED DAMPER.

6 MECHANICAL ROOM VENTING DETAIL
MP300 NOT TO SCALE

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	RECESSED LOAD CENTER
	BRANCH CIRCUIT POWER WIRING
	BRANCH CIRCUIT HOME RUN
	SWITCHED WIRING
	RECEPTACLE OUTLET FOR DRYER
	RECEPTACLE OUTLET FOR RANGE
	DUPLEX RECEPTACLE OUTLET
	DUPLEX RECEPTACLE FOR TELEVISION MOUNTED ABOVE COUNTER
	DUPLEX RECEPTACLE OUTLET WITH GROUND-FAULT CIRCUIT-INTERRUPTER
	DUPLEX RECEPTACLE OUTLET WITH GROUND-FAULT CIRCUIT-INTERRUPTER MOUNTED ABOVE COUNTER
	DUPLEX RECEPTACLE OUTLET WITH GROUND-FAULT CIRCUIT-INTERRUPTER AND IN WEATHERPROOF ENCLOSURE
	DUPLEX RECEPTACLE OUTLET FOR REFRIGERATOR
	DUPLEX RECEPTACLE OUTLET FOR WASHING MACHINE
	WALL MOUNTED JUNCTION BOX
	POWER FOR HEAT TRACE
	POWER FOR KITCHEN HOOD
	POWER FOR MOTORIZED DAMPER
	MOTOR, SEE SCHEDULE ON DWG E-001
	SURFACE MOUNTED LIGHTING FIXTURE
	WALL MOUNTED LIGHTING FIXTURE
	SURFACE MOUNTED LIGHTING FIXTURE
	COMBINATION LIGHT AND CEILING FAN
	SINGLE POLE SWITCH
	3-WAY SINGLE POLE SWITCH
	4-WAY SINGLE POLE SWITCH
	BOILER SHUT OFF SWITCH
	UTILITY METER
	BATTERY OPERATED WIRELESS INTERCONNECT SMOKE DETECTOR
	EXISTING CATV SERVICE

ELECTRICAL ABBREVIATIONS

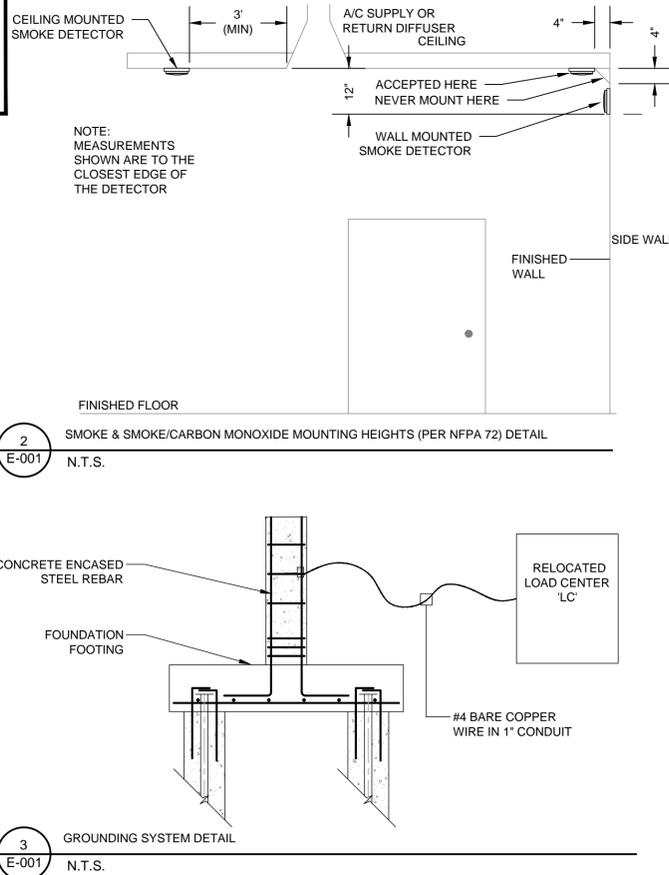
ABBREVIATIONS	DESCRIPTION
A	AMPERES
AC	ALTERNATING CURRENT (60 HZ)
AHJ	AUTHORITY HAVING JURISDICTION
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CATV	CABLE TV
CU	COPPER
DR	DRYER
DWG	DRAWING
EX	EXISTING TO REMAIN
FLA	FULL LOAD AMPS
GFI	GROUND-FAULT CIRCUIT-INTERRUPTER
J	JUNCTION
KH	KITCHEN HOOD
KVA	KILOVOLT AMPERE
M	METER
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
REF	REFRIGERATOR
RG	RANGE
S	SMOKE
TV	TELEVISION
UL	UNDERWRITER'S LABORATORY
U.O.N.	UNLESS OTHERWISE NOTED
V	VOLTS
VA	VOLT-AMPERES
W	WATTS
WM	WASHING MACHINE
WP	WEATHERPROOF
#	NUMBER
"	FEET
"	INCHES

ELECTRICAL GENERAL NOTES

- UNLESS OTHERWISE INDICATED, FURNISH AND INSTALL A COMPLETE AND OPERATIONAL ELECTRICAL SYSTEM INCLUDING ALL NECESSARY MATERIAL, LABOR, AND EQUIPMENT.
- ELECTRICAL PLANS AND DETAILS, AND ONE LINE DIAGRAMS SHOW THE GENERAL LOCATION AND ARRANGEMENT OF THE ELECTRICAL SYSTEM, THEY ARE DIAGRAMMATIC AND DO NOT SHOW ALL CONDUIT BODIES, CONNECTORS, BENDS, FITTINGS, HANGERS, AND ADDITIONAL PULL AND JUNCTION BOXES WHICH THE CONTRACTOR MUST PROVIDE TO COMPLETE THE ELECTRICAL SYSTEM.
- FURNISH AND INSTALL A TEMPORARY ELECTRICAL SERVICE FOR ELECTRICAL POWER DURING CONSTRUCTION.
- ALL EQUIPMENT AND MATERIAL SHALL BE LABELED AND LISTED, AND INSTALLED IN ACCORDANCE WITH THEIR LISTING.
- THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND ARRANGE FOR ALL REQUIRED INSPECTIONS IN ACCORDANCE WITH STATE GOVERNING AUTHORITIES.
- ALL WORK SHALL BE DONE WITH LICENSED WORKMEN IN ACCORDANCE WITH STATE GOVERNING AUTHORITIES.
- THE DEFINITION OF ELECTRICAL TERMS USED SHALL BE AS DEFINED IN THE 2011 EDITION OF THE NATIONAL ELECTRIC CODE (NEC).
- THE TERM "INDICATED" SHALL MEAN "AS SHOWN ON CONTRACT DOCUMENTS (SPECIFICATIONS, DRAWINGS, AND RELATED ATTACHMENTS)".
- THE TERM "SIZE" SHALL MEAN ONE OR MORE OF THE FOLLOWING: "LENGTH, CURRENT AND VOLTAGE RATING, NUMBER OF POLES, NEMA SIZE, AND OTHER SIMILAR ELECTRICAL CHARACTERISTICS".
- ELECTRICAL PLANS AND DETAILS DO NOT SHOW ALL INTERFERENCES AND CONDITIONS, VISIBLE AND/OR HIDDEN, THAT MAY EXIST; THUS 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) ANSINFPA 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.

DRAWING LIST

SHEET	NAME
E-001	ELECTRICAL NOTES, LEGENDS, ABBREVIATIONS, DETAILS & SCHEDULES
E-101	ELECTRICAL GROUND LEVEL & FIRST FLOOR 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	1,2,3,4
B	LITHONIA LIGHTING OWP342F120	EXTERIOR WALL MOUNTED LIGHTING FIXTURE, WET LOCATION LISTED, ENERGY STAR RATED, AND CONTROLLED BY INTEGRAL PHOTO SENSOR.	120V	42W CFL	1,2,3,4

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

FEEDER SCHEDULE

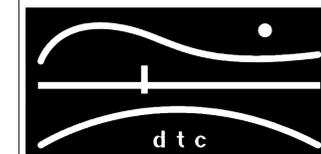
INDOOR BRANCH CIRCUITS	CIRCUIT OR OVERCURRENT RATING 2 POLE	OUTDOOR BRANCH CIRCUITS	CIRCUIT OR OVERCURRENT RATING 2 POLE	SIZE CONDUIT
2#14&1#14G.	15A	2#12&1#12G.	15A	3/4"
2#12&1#12G.	20A	2#12&1#12G.	20A	3/4"
2#10&1#10G.	30A	2#10&1#10G.	30A	3/4"
2#6&1#10G.	50A	2#6&1#10G.	50A	1"
SERVICE		3#1&1#8G.	100A	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.

- NOTES:
- HOUSE IS IN TIDAL FLOOD PLANE, IF REQUIRED ELECTRICAL CONTRACTOR TO APPLY FOR PAPERWORK WHICH SHALL ALLOW TO RAISE THE METER PROVISION HIGHER THAN THE MAXIMUM 6'-0" ALLOWED BY UI.
 - METER SHALL HAVE A MINIMUM OF 3'-0" IN FRONT.
 - METER SHALL NOT BE INSTALLED ABOVE OR BELOW GAS METER.
 - OVERHEAD SERVICE ENTRANCE CONDUCTORS SHALL A MIN' OF 3'-0" CLEARANCE FROM WINDOW AND SHALL BE A MIN' OF 10'-0" FROM DECK.
- 1 E-001 OVERHEAD SERVICE AND METER INSTALLATION DETAIL N.T.S.

NOTES:

REVISIONS



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

OORR
APPLICATION NO. 1085
CARLINO RESIDENCE
17 ELAINE RD.
MILFORD, CT

ELECTRICAL
NOTES, LEGENDS,
ABBREVIATIONS &
DETAILS

DTC PROJECT NUMBER: 13-449-011

DTC DRAWING FILE:

SCALE: N.T.S.

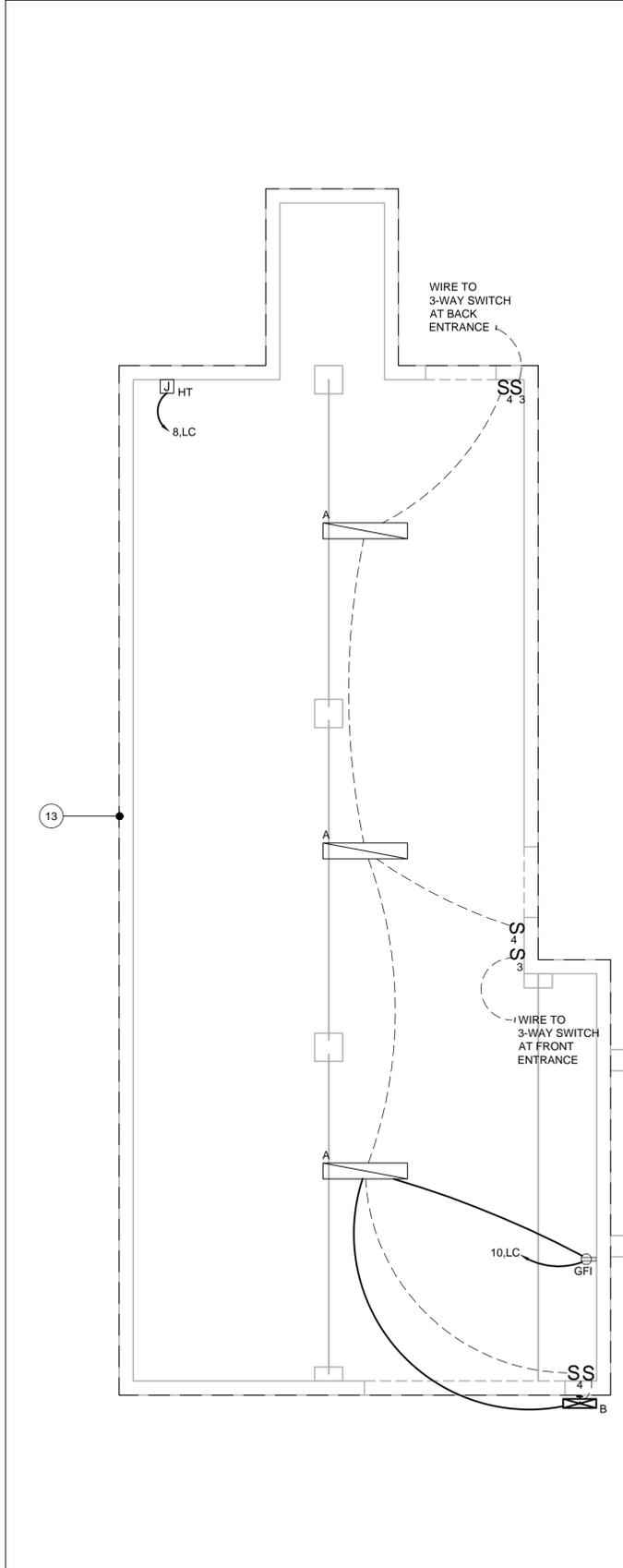
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DATE: JUNE 2015

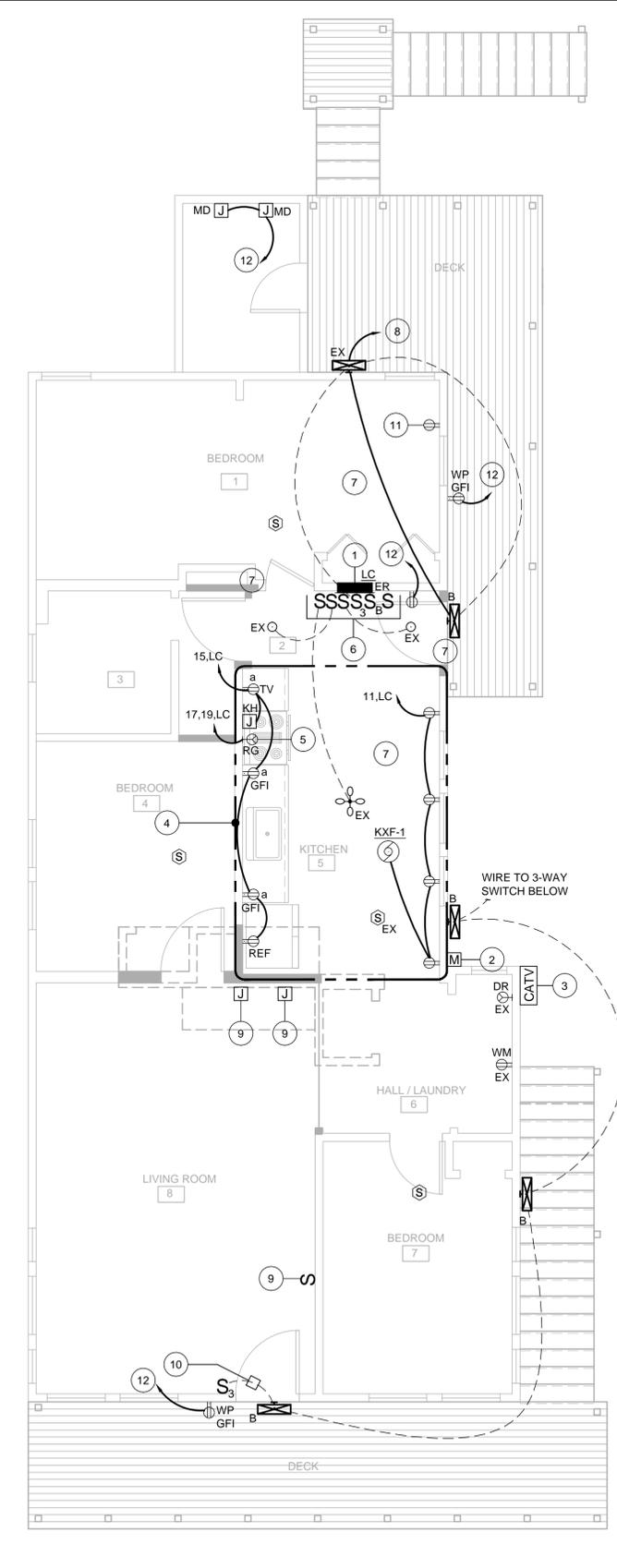
CHECKED BY: JP

SHEET:

E-001



1 GROUND LEVEL PLAN
E-101 SCALE: 1/4" = 1'-0"



2 FIRST FLOOR PLAN
E-101 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.
- 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.
- ALL 125-VOLT 15 AND 20 AMP RECEPTACLES LOCATED AT 5 1/2' AFF OR BELOW SHALL BE TAMPER RESISTANT.

ELECTRICAL KEYNOTES

- LOCATION OF EXISTING LOAD CENTER. LOAD CENTER TO BE RELOCATED AND ALL EXISTING CIRCUITING TO BE SPLICED IN WALL MOUNTED JUNCTION BOXES TO NEW LOAD CENTER LOCATION. EXTEND CONDUIT, WIRING AND CABLING AS REQUIRED TO MATCH EXISTING. REFER TO FEEDER SCHEDULE ON DWG E-001 FOR SIZING.
- PRIOR TO LIFTING HOUSE, DISCONNECT EXISTING SERVICE ENTRANCE FEEDER. ONCE HOUSE IS RAISED, PROVIDE WEATHERHEAD AND RE-CONNECT EXISTING SERVICE ENTRANCE WIRING TO UI PROVIDED SERVICE DROPS. COORDINATE WITH UTILITY COMPANY TO CONFIRM WHETHER OR NOT EXISTING UTILITY METER TO BE REPLACED WITH NEW. EXISTING SERVICE ENTRANCE CONDUIT AND WIRES TO BE EXTENDED TO LOCATION OF RELOCATED LOAD CENTER. ALL EQUIPMENT SHALL BE ABOVE THE 500 YEAR FLOOD PLANE. PROVIDE 100A RATED GROUNDING FROM METER TO RELOCATED LOAD CENTER. REFER TO GROUNDING DETAIL ON DWG E-001.
- DISCONNECT, CUT TO PROPER LENGTH AND RE-CONNECT 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 CATV PROVIDER.
- ALL EXISTING KITCHEN RECEPTACLE, BACKBOXES AND ETC ARE TO BE REMOVED. THE EXISTING KITCHEN CIRCUITS ARE TO REMAIN AND SHALL BE RE-WIRED AS SHOWN. EXISTING LIGHTING CIRCUIT AND SWITCHING TO REMAIN.
- PROVIDE NEMA 14-50R RECEPTACLE FOR ELECTRIC RANGE.
- RELOCATE SWITCHES TO LOCATION AS SHOWN. EXTEND WIRING AS REQUIRED. COVER PLATES FOR ALL THE SWITCHES EXCEPT FOR BURNER SHUT OFF SHALL BE REPLACED WITH NEW. SWITCH CONTROLLING EXISTING OUTDOOR FIXTURE TO BE REPLACED WITH 3-WAY SWITCH. ALL SWITCHES SHALL BE INSTALLED FLUSH WITH NEW WALL.
- EXISTING SWITCH WIRING TO REMAIN.
- WIRE NEW OUTDOOR LIGHTING FIXTURE TO CIRCUIT SERVING EXISTING OUTDOOR FIXTURE. WIRE TO 3-WAY SWITCH BELOW.
- REMOVE EXISTING DEVICE, BACKBOX AND WIRING BACK TO NEAREST DOWN STREAM DEVICE.
- EXISTING SWITCH WIRING TO REMAIN AND DEMO'D LIGHTING FIXTURE CIRCUIT TO REMAIN AND REWIRED TO NEW LIGHTING FIXTURES. EXTEND CIRCUITING AS REQUIRED.
- RELOCATE EXISTING RECEPTACLE THAT IS PARTIALLY COVERED BY BASEBOARD HEATER. RECEPTACLE TO BE LOCATED ABOVE HEATER.
- WIRE TO EXISTING 15 OR 20A-1P CIRCUIT IN THIS AREA. EXTEND WIRING TO DEVICES AS REQUIRED.
- ALL EXISTING CIRCUITS THAT WERE IN CRAWL SPACE AND SUBJECTED TO WATER DAMAGE SHALL BE REPLACED BACK TO SOURCE.

MOTOR CIRCUIT SCHEDULE

EQUIPMENT	SOURCE PANEL	OCP DEVICE	BRANCH CIRCUIT	DISC SW	LOAD					REMARKS
					HP/KW	FLA	MCA	PH	VOLT	
KXF-1	11,LC	20A-1P	2#12, #12G		7.7	0.2		1	120V	1,2,3

- NOTES
- OVERCURRENT PROTECTIVE DEVICE SHALL BE MOLDED CASE CIRCUIT BREAKER U.O.N.
 - REFER TO ELECTRICAL AND MECHANICAL PLANS FOR EQUIPMENT LOCATIONS. DISCONNECTS BY DIV 26 U.O.N.
 - UNIT SHALL BE WIRED WITH NM CABLE (ROMEX).

EXIST. PANELBOARD LC

CLASS: ● Lighting
○ Distribution

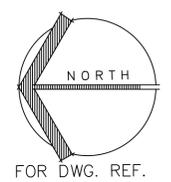
BUS SIZE 100A
VOLTAGE CLASS: 240/120V, 1 Ø .3W
SCR (FULLY RATED) -

SERATING NO
MOUNTING RECESSED
CB TYPE 100A
FEEDER ENTRANCE SIDE
LOCATION CORRIDOR

BREAKER #	A	P	DESCRIPTION	PHASE LOAD - KVA			LOAD	DESCRIPTION	BREAKER		
				LOAD	A	B			A	P	#
1	15	1	MASTER BEDROOM	-	-	-	-	EXST. LOAD	15	1	2
3	15	1	EXST. LOAD	-	-	-	-	EXST. LOAD	15	1	4
5	15	1	EXST. LOAD	-	-	-	-	BOILER	15	1	6
7	20	1	EXST. LOAD	-	-	0.92	0.92	HEAT TRACE (3)	20	1	8
9	20	2	EXST. LOAD	-	0.34	-	0.34	LTG & RECPTS	20	1	10
11	20	1	KITCHEN RECEPTACLE	1.50	-	1.50	-	ELECTRIC DRYER	30	2	12
13	1	1	EXST. LOAD	-	-	-	-	-	-	-	14
15	20	1	KITCHEN RECEPTACLE	1.50	-	1.50	-	EXST. LOAD	15	1	16
17	50	2	ELECTRIC RANGE	-	-	-	-	EXST. LOAD	15	1	18
19	-	-	-	-	-	-	-	EXST. LOAD	20	1	20
TOTAL ADDITIONAL LOAD PER PHASE:				0.3	3.9						
TOTAL ADDITIONAL LOAD ON PANEL:				4.26	KVA						

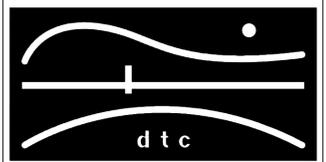
GENERAL NOTES:

- PROVIDE AFCI CIRCUIT BREAKER FOR ALL EXISTING BEDROOM CIRCUITS.
- PROVIDE 20A-1P CIRCUIT BREAKER FOR KITCHEN CIRCUITS.
- PROVIDE GFCI CIRCUIT BREAKER FOR HEAT TRACE.



NOTES:

REVISIONS



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

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APPLICATION NO. 1085

CARLINO RESIDENCE
17 ELAINE RD.
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ELECTRICAL
GROUND LEVEL &
FIRST FLOOR PLANS

DTC PROJECT NUMBER: 13-449-011
DTC DRAWING FILE:

SCALE: 1/4"=1'-0" DRAWN BY: WM
DATE: JUNE 2015 CHECKED BY: JP

SHEET:

E-101