

THE STATE OF CONNECTICUT

DEPARTMENT OF HOUSING (DOH)

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

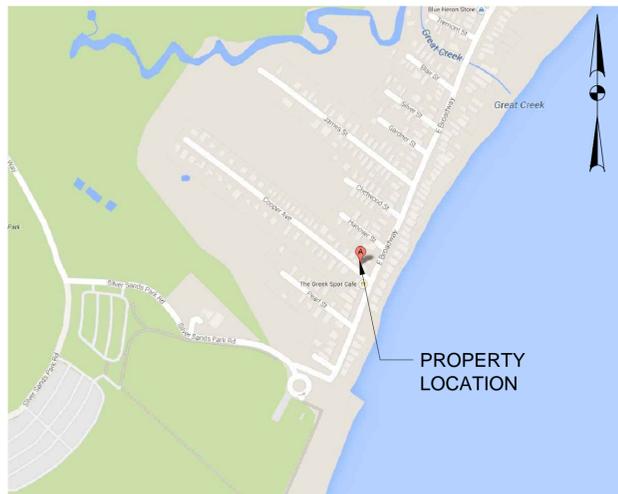
OWNER-OCCUPIED REHABILITATION AND REBUILDING PROGRAM (OORR)

STORM SANDY RELIEF

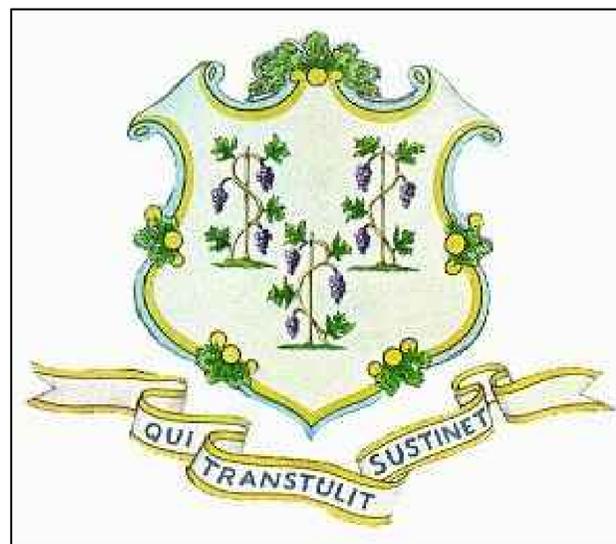
GOVERNOR
DANNEL P. MALLOY

COMMISSIONER OF HOUSING
EVONNE M. KLEIN

APPLICATION NO.1095
732 EAST BROADWAY
MILFORD, CT 06460
1/23/2015



PROJECT LOCATION MAP
NTS



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NOTES:

REVISIONS

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

OORR
APPLICATION NO. 1095
DELEON RESIDENCE
732 EAST BROADWAY
MILFORD, CT

COVER SHEET

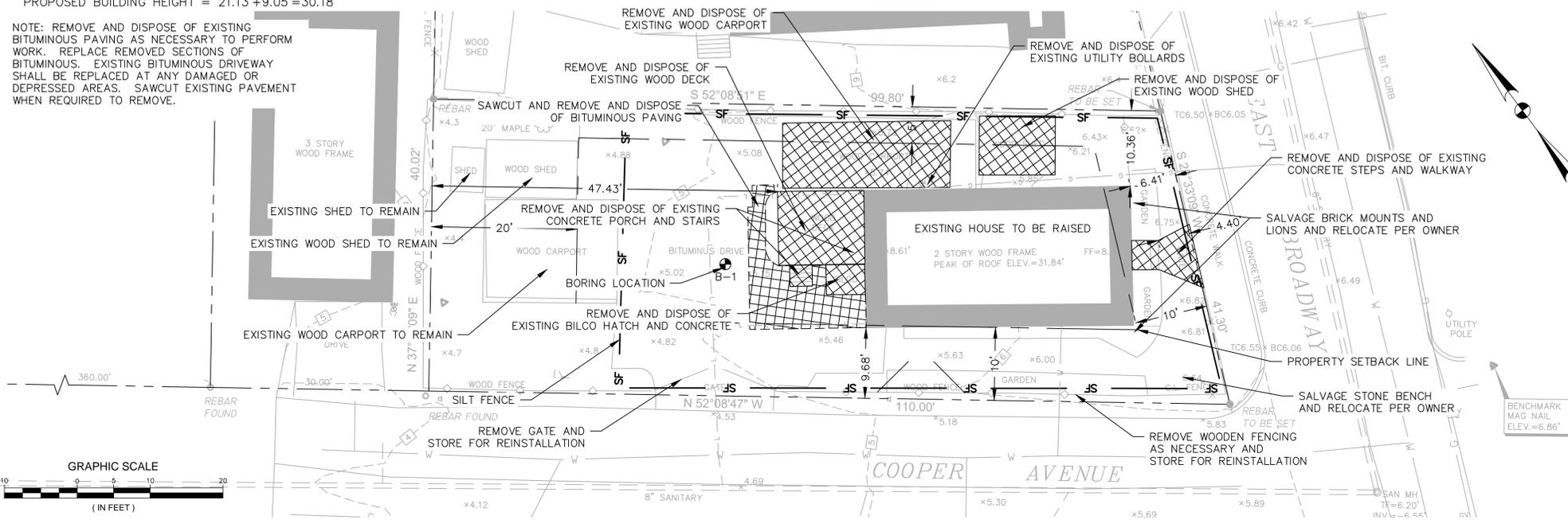
DTC PROJECT NUMBER: 13-449-015	
DTC DRAWING FILE:	
SCALE:	DRAWN BY:
DATE: 1/23/2015	CHECKED BY:
SHEET:	

G-100

STANDARD	REQUIRED	EXISTING	PROPOSED
LOT AREA (S.F.) (MINIMUM)	5,000	4,198	EXIST. TO REMAIN
LOT WIDTH (MINIMUM)	50'	40.02'	EXIST. TO REMAIN
LOT DEPTH (MINIMUM)	70'	99.80'	EXIST. TO REMAIN
HEIGHT (MAXIMUM)	35'	≈27.34'	≈30.18'
STORIES (MAXIMUM)	3	2	3
SETBACK FROM STREET LINE	10'	4.40'	2.81'
SETBACK FROM REAR LINE	20'	47.43'	43.74'
SETBACK FROM SIDE LINE	5'	10.36'	EXIST. TO REMAIN
	10'	9.68'	6.23'
BUILDING AREA AS % LOT	45%	32.7%	27.7%
LOT COVERAGE (MAXIMUM)	65%	63.3%	64.9%

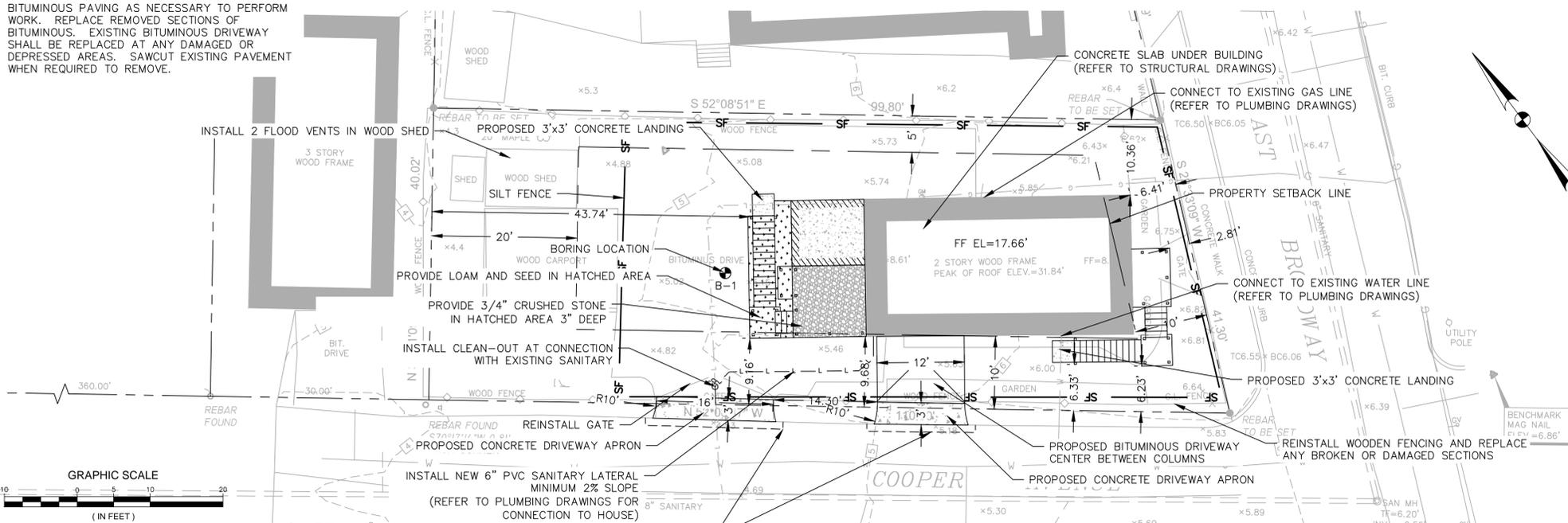
AVERAGE GRADE AT BUILDING =
 $(5.46' + 5.63' + 6.00' + 6.64' + 6.43' + 6.21' + 5.85' + 5.74' + 5.73' + 6.81' + 6.82' + 6.75' + 6.62') / 13 = 6.21'$
 EXISTING ELEVATION OF BUILDING ROOF AT MID-POINT = 27.34'
 EXISTING BUILDING HEIGHT = 27.34' - 6.21' = 21.13'
 BUILDING TO BE RAISED 9.05'
 PROPOSED BUILDING HEIGHT = 21.13' + 9.05' = 30.18'

NOTE: REMOVE AND DISPOSE OF EXISTING BITUMINOUS PAVING AS NECESSARY TO PERFORM WORK. REPLACE REMOVED SECTIONS OF BITUMINOUS. EXISTING BITUMINOUS DRIVEWAY SHALL BE REPLACED AT ANY DAMAGED OR DEPRESSED AREAS. SAWCUT EXISTING PAVEMENT WHEN REQUIRED TO REMOVE.



DEMOLITION PLAN

NOTE: REMOVE AND DISPOSE OF EXISTING BITUMINOUS PAVING AS NECESSARY TO PERFORM WORK. REPLACE REMOVED SECTIONS OF BITUMINOUS. EXISTING BITUMINOUS DRIVEWAY SHALL BE REPLACED AT ANY DAMAGED OR DEPRESSED AREAS. SAWCUT EXISTING PAVEMENT WHEN REQUIRED TO REMOVE.



SITE PLAN

SAWCUT PAVEMENT AS NEEDED TO INSTALL CONCRETE DRIVEWAY APRON. REPAIR PAVEMENT TO CITY OF MILFORD STANDARDS.

NOTES

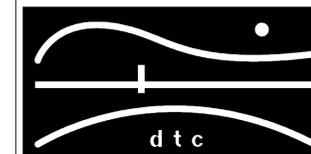
- CONTRACTOR TO SURVEY BUILDING AS IS AND IS RESPONSIBLE FOR ADHERING TO ZONING VARIANCES AND EXISTING NON-CONFORMING SETBACKS AS SHOWN ON THIS SHEET.
- CONTRACTOR TO REPAIR DAMAGE TO EXISTING BITUMINOUS DRIVEWAY RESULTING FROM CONSTRUCTION.
- ALL DISTURBED AREAS NOT TO BE OTHERWISE PAVED OR COVERED 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.

LEGEND

- Street Line: - - - - -
- Property Line: - - - - -
- Building Setback Line: - - - - -
- Silt Fence: — SF —
- Chain Link Fence: — x — x —
- Wooden Rail Fence: — o — o — o — o — o —
- Item to be Demolished: X X X X X
- Proposed Spot Elevation: 6.10 ↗
- Test Boring Location: B-1
- Underground Piping (San., Stm.): — — — — —
- U/G Gas Line: — G —
- U/G Elec. Line: — E —
- Water Line: — W —
- Overhead Utilities: — — — — —
- U/G Tele. Line: — T —
- Chain Link Fence: — x — x —
- Tree Line: — (tree symbol) —
- Stone Wall: — (stone wall symbol) —
- Iron Pin (Found): ●
- Monument (Found): ■
- Rebar To Be Set: ●
- Sign: ▴
- Manhole: ○
- "C" Catch Basin: □
- "C-L" Catch Basin: □
- Utility Pole: — (pole symbol) —
- Mail Box: ⇨
- Light Pole: ☆
- Metal Post: ○
- Guy Anchor: — (guy anchor symbol) —
- Water Gate: — (water gate symbol) —
- Gas Valve: — (gas valve symbol) —
- Gas Meter: — (gas meter symbol) —
- Shrub/Bush: ●
- Deciduous Trees: — (deciduous tree symbol) —
- Evergreen Trees: ☆

NOTES:

REVISIONS



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

OORR
 APPLICATION NO. 1095
 DELEON RESIDENCE
 732 EAST BROADWAY
 MILFORD, CT

SITE PLANS

DTC PROJECT NUMBER: 13-449-015

DTC DRAWING FILE:

SCALE: DRAWN BY: LEC

DATE: 1/23/2015 CHECKED BY: JAB

SHEET:

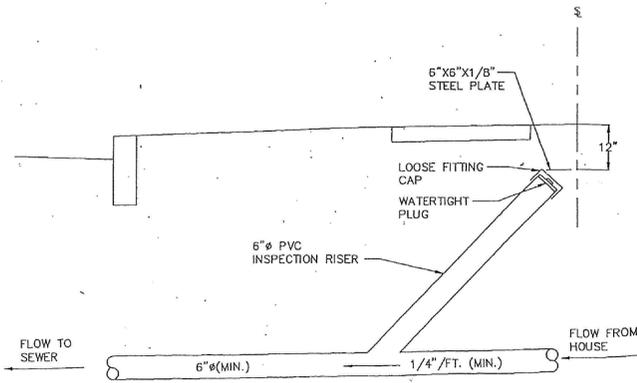
C-100

SURVEY INFORMATION IS BASED ON A-2 SURVEY MAP PREPARED BY: MARTIN SURVEYING ASSOCIATES, LLC DATED: 10/8/2014 SEALED BY: DEAN MARTIN L.S. 70147

A CONDITION OF ALL SEWER PERMITS FOR INSTALLING RESIDENTIAL SEWER CONNECTIONS IS THE REQUIREMENT TO FURNISH AND INSTALL A SEWER INSPECTION RISER IN THAT AREA OF THE STREET RIGHT-OF-WAY BETWEEN THE CURB AND THE SIDEWALK (FRONT PROPERTY LINE). THE INSPECTION RISER IS TO CONSIST OF A 45° WYE FITTING INSTALLED ON THE HOUSE CONNECTION SEWER APPROXIMATELY 4 FEET BEHIND THE STANDARD CURB LOCATION. A 6" PVC INSPECTION RISER PIPE IS TO BE INSTALLED TO WITHIN 12" OF THE FINISHED GROUND SURFACE AND FITTED WITH A WATERTIGHT PLUG. A 6"x6"x1/8" STEEL PLATE IS TO BE PLACED ABOVE THE END OF THE INSPECTION RISER WHEN BACKFILLING THE AREA TO GRADE TO ASSIST WITH FUTURE RECOVERY OF THE INSPECTION RISER BY MEANS OF A MAGNETIC DETECTOR.

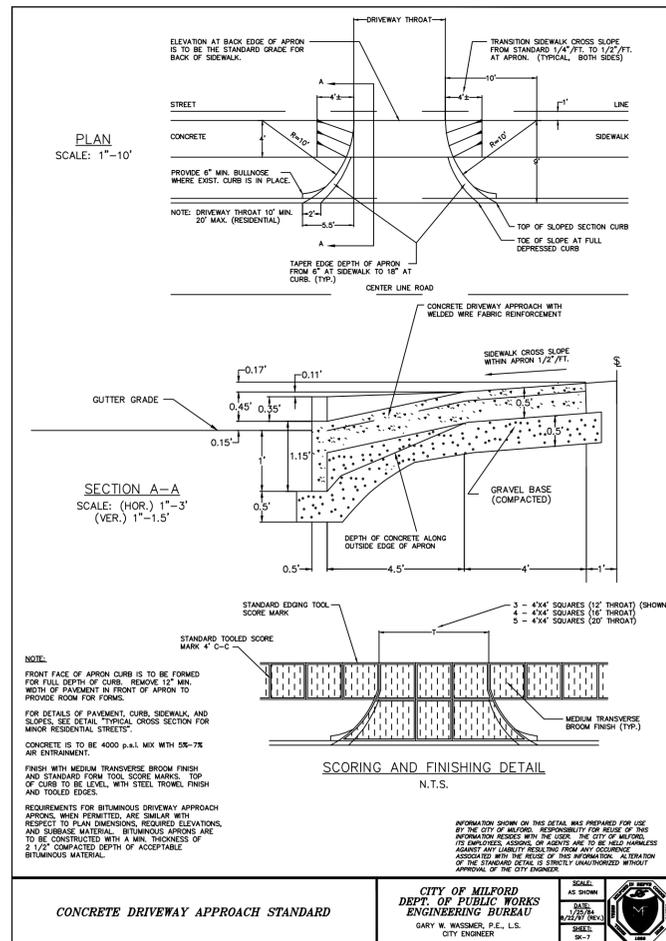
IN A SEWER EASEMENT THE INSPECTION RISER IS TO BE AT THE EDGE OF THE EASEMENT.

IN LOCATIONS WHERE AN EXISTING LATERAL EXTENDS TO THE STREET LINE, THE "Y" CONNECTION SHALL BE PLACED AS CLOSE TO THE STREET LINE AS POSSIBLE, WITH THE INSPECTION RISER EXTENDING TO WITHIN 12" OF GRADE AND LOCATED ON PRIVATE PROPERTY.



INSPECTION RISER DETAIL
N.T.S.

INFORMATION SHOWN ON THIS DETAIL WAS PREPARED FOR USE BY THE CITY OF MILFORD. RESPONSIBILITY FOR ADEQUACY OF THIS INFORMATION RESTS WITH THE USER. THE CITY OF MILFORD DOES NOT WARRANT, EXPRESS OR IMPLIED, ANY OF THE INFORMATION CONTAINED HEREIN. ANY LIABILITY RESULTING FROM ANY OCCURRENCE ASSOCIATED WITH THE USE OF THIS INFORMATION, ALTERATION OF THE STANDARD DETAIL OR STRICTLY UNAUTHORIZED REVISIONS APPROVAL OF THE CITY ENGINEER.



SCORING AND FINISHING DETAIL
N.T.S.

CONCRETE DRIVEWAY APPROACH STANDARD

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



CLARENCE WELTI ASSOC., INC.				CLIENT		PROJECT NAME	
P.O. BOX 397 GLASTONBURY, CONN 06033				DTC		DELEON RESIDENCE	
				LOCATION		732 EAST BROADWAY, MILFORD, CT	
				SURFACE ELEV.		HOLE NO. B-1	
TYPE	AUGER	CASING	SAMPLER	CORE BAR	OFFSET	GROUND WATER OBSERVATIONS	START DATE
	HSA		SS			AT 3.6 FT AFTER 0 HOURS	11/12/14
SIZE I.D.	3.75"		1.375"				
HAMMER WT.			140 lbs				
HAMMER FALL			30"			AT FT AFTER HOURS	FINISH DATE 11/12/14
DEPTH	SAMPLE		STRATUM DESCRIPTION + REMARKS				ELEV.
	NO.	BLOWS/6"	DEPTH	A			
0					ASPHALT		0.25
1	8-3-2-3		1.00'-3.00'		BR. FINE-CRS. SAND, SOME FINE-MED. GRAVEL, LITTLE SILT - FILL		
2	2-1-1-0		3.00'-5.00'		BR. ORGANIC SILT AND PEAT		3.0
3	0-0-1-0		5.00'-7.00'				
4	W-0-H		7.00'-9.00'				
5	0-1-1-3		10.00'-12.00'		GREY FINE-MED. SAND, TRACE SILT		10.5
6	10-15-15		15.00'-16.50'		BR. FINE-CRS. SAND, LITTLE FINE GRAVEL, TRACE SILT		14.0
7	5-7-8		20.00'-21.50'		BR. FINE SAND, TRACE SILT		21.0
8	3-5-6		25.00'-26.50'		GREY/BR. SILT, SOME FINE SAND		26.0
9	2-3-5		30.00'-31.50'		GREY/BR. SILT, TRACE TO SOME CLAY		31.0
10							
11							
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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%

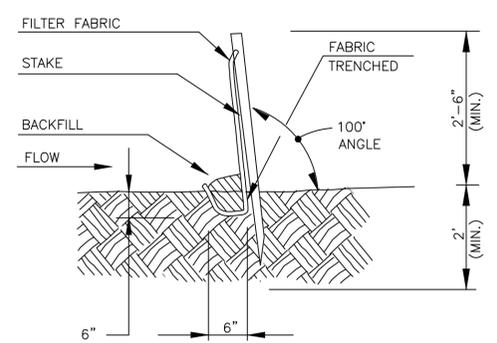
DRILLER: J. BREWER
INSPECTOR:
SHEET 1 OF 2 HOLE NO. B-1

CLARENCE WELTI ASSOC., INC.				CLIENT		PROJECT NAME	
P.O. BOX 397 GLASTONBURY, CONN 06033				DTC		DELEON RESIDENCE	
				LOCATION		732 EAST BROADWAY, MILFORD, CT	
				SURFACE ELEV.		HOLE NO. B-1	
DEPTH	SAMPLE		STRATUM DESCRIPTION + REMARKS				ELEV.
	NO.	BLOWS/6"	DEPTH	A			
10		3-5-8	35.00'-36.50'				
11		4-4-4	40.00'-41.50'				
12							
13							
14							
15							
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35							

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

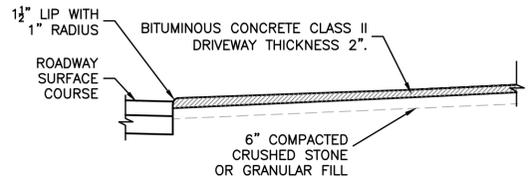
DRILLER: J. BREWER
INSPECTOR:
SHEET 2 OF 2 HOLE NO. B-1

BORING LOGS

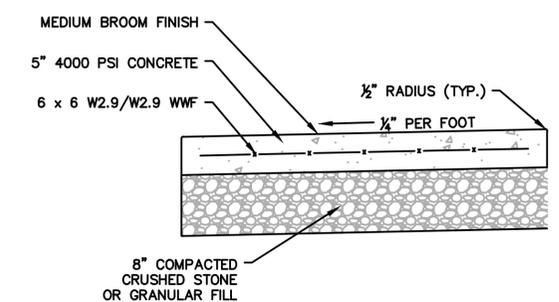


- MINIMUM LENGTH OF SILT FENCE IS 15 FT.
- MAXIMUM POST SPACING IS 8 FT.
- JOINTS ONLY AT SUPPORT POST WITH MINIMUM 2 FT. OVERLAP, SECURELY SEALED.
- SEDIMENTATION DEPOSITS SHALL BE REMOVED WHEN THEY REACH 1/2 THE HEIGHT OF THE SILT FENCE.
- SILT FENCE SHALL NOT BE USED IN A WATER COURSE.
- UPON ESTABLISHMENT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

2 SILT FENCE DETAIL



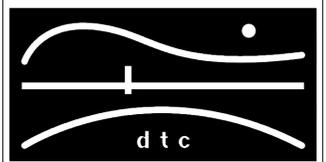
3 BITUMINOUS CONCRETE DRIVEWAY



4 CONCRETE LANDING

NOTES:

REVISIONS



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BORING LOGS AND DETAILS

DTC PROJECT NUMBER: 13-449-015
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SHEET:

C-101

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

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 KEYS 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:
 - DESIGN/ALLOWABLE COMPRESSION LOAD PER PILE = 24 KIPS
 - DESIGN/ALLOWABLE TENSION LOAD PER PILE = 6 KIPS
 - DESIGN/ALLOWABLE LATERAL LOAD PER PILE = 2 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 (NOVEMBER 17, 2014) PREPARED BY DR. CLARENCE WELT, P.E., P.G. 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.
- FOR BIDDING PURPOSES THE BIDDERS SHOULD ASSUME A 12" HELICAL PILE WITH AN ENCASEMENT OF HSS 12- 1/2" X 1/2" PIPE FILLED WITH 3000 PSF CONCRETE TO SOUND MATERIAL.

8. GROUT SHALL BE PORTLAND CEMENT CONFORMING TO ASTM C150 TYPE I OR TYPE II.

- ADMIXTURES MAYBE REQUIRED AND SHOULD BE DISCUSSED WITH THE ENGINEER.
- THE WATER - CEMENT RATIO FOR CEMENT GROUTS IS TYPICALLY 0.45.

9. ALL HELICAL PILE MATERIAL SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A153/A123.
10. 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.
 - 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.

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 KEYS 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

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.

10. PROVIDE CORROSION RESISTANT ACCESSORIES IN ALL EXPOSED CONSTRUCTION.

11. ALL KEYS IN CONCRETE WALLS SHALL BE 2 X 4 UNLESS NOTED OTHERWISE.

12. ALL CONCRETE TO REMAIN EXPOSED TO VIEW SHALL RECEIVE A SMOOTH RUBBED FINISH (SEE SPECIFICATIONS).

13. 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.

14. 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

15. PROVIDE NO OPENINGS IN CONCRETE BEAMS UNLESS DETAILED ON THE STRUCTURAL DRAWINGS.

16. 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.

17. REINFORCING STEEL SHOP DRAWINGS SHALL INDICATE THE SEQUENCE IN WHICH LAYERS OF CROSSING REINFORCING SHOULD BE PLACED, IN ORDER TO PRODUCE THE CORRECT OUTERMOST LAYER AS INDICATED ON THE DRAWINGS.

STRUCTURAL STEEL

MATERIALS:

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

- 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.W.S. STANDARDS.
- PROVIDE 9/16" DIAMETER HOLES FOR WOOD NAILERS AS REQUIRED.
- PROVIDE 8" X 8" X 5/8" GALVANIZED 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.

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

2. 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. SEE PLANS FOR ADDITIONAL REQUIREMENTS.

6. 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

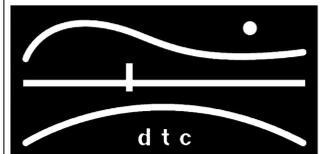
9. ALL EXTERIOR WOOD SHALL BE PREEASURE TREATED.

10. 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
203 239 4200 203 234 7376 FAX

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APPLICATION NO. 1095
DELEON RESIDENCE
732 EAST BROADWAY
MILFORD, CT

GENERAL NOTES

DTC PROJECT NUMBER: 13-449-015

DTC DRAWING FILE:

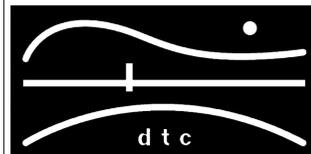
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DATE: 1/23/2015	CHECKED BY: FC

SHEET:

S-001

NOTES:

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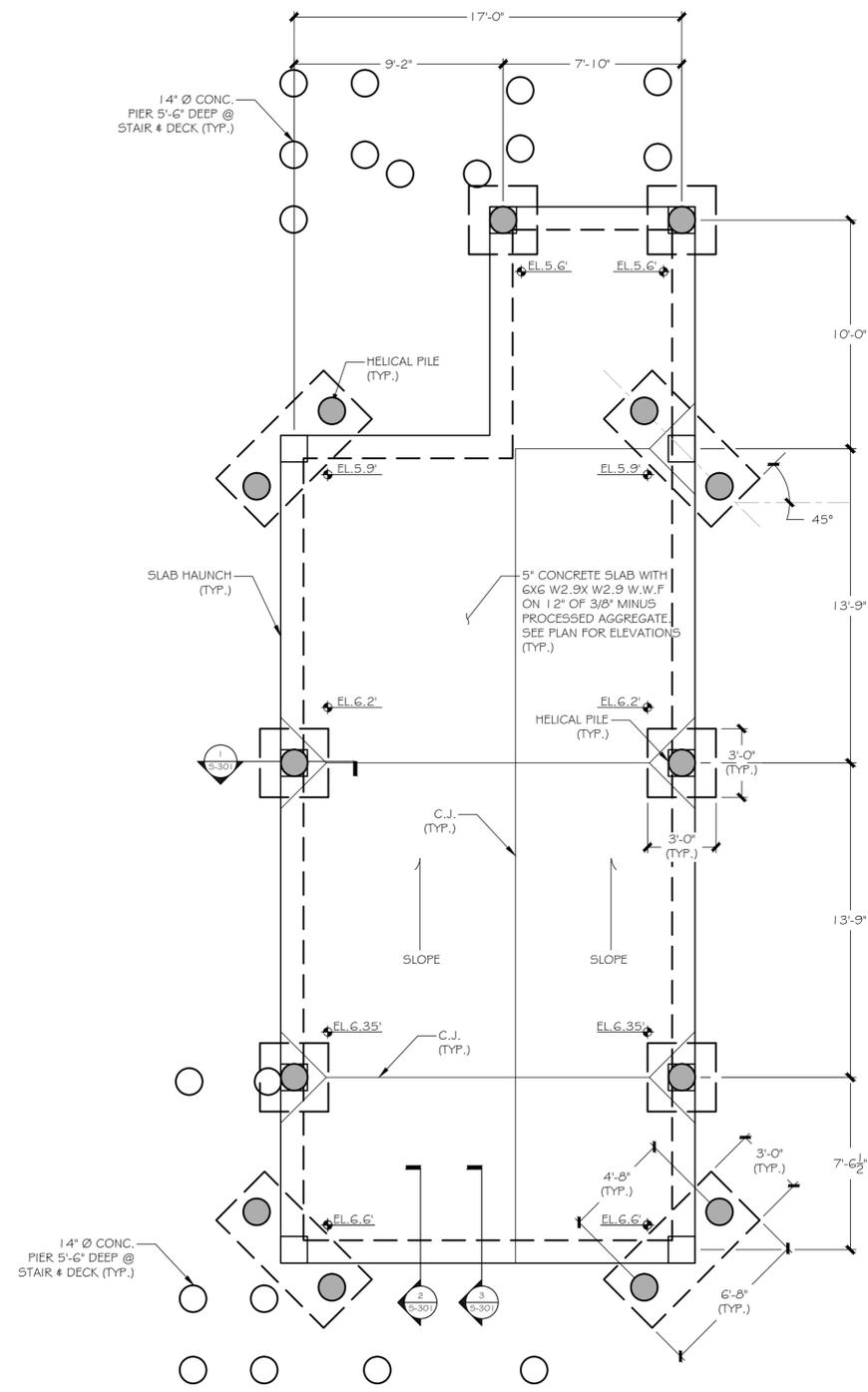
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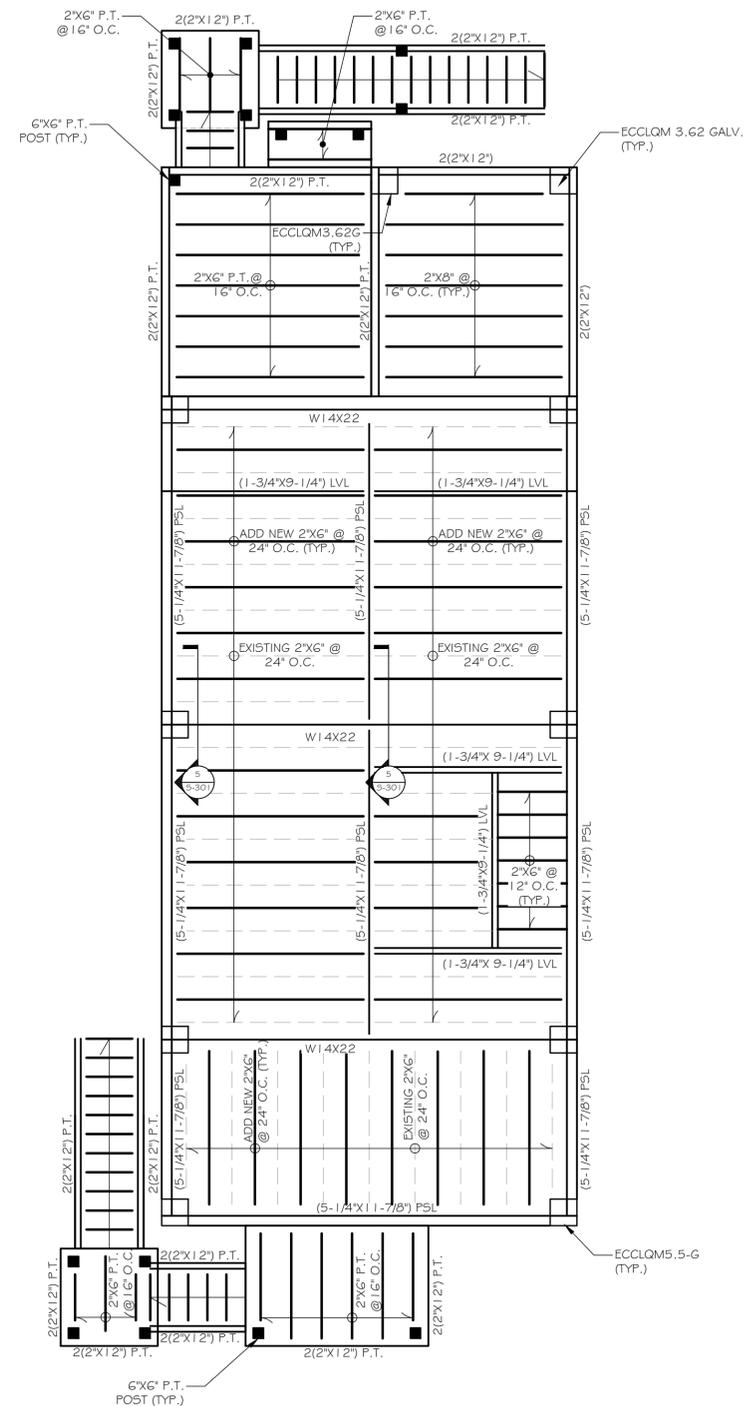
FOUNDATION & FRAMING PLANS

DTC PROJECT NUMBER: 13-449-015	
DTC DRAWING FILE:	
SCALE: 1/4"=1'-0"	DRAWN BY: REM
DATE: 1/23/2015	CHECKED BY: FC
SHEET:	

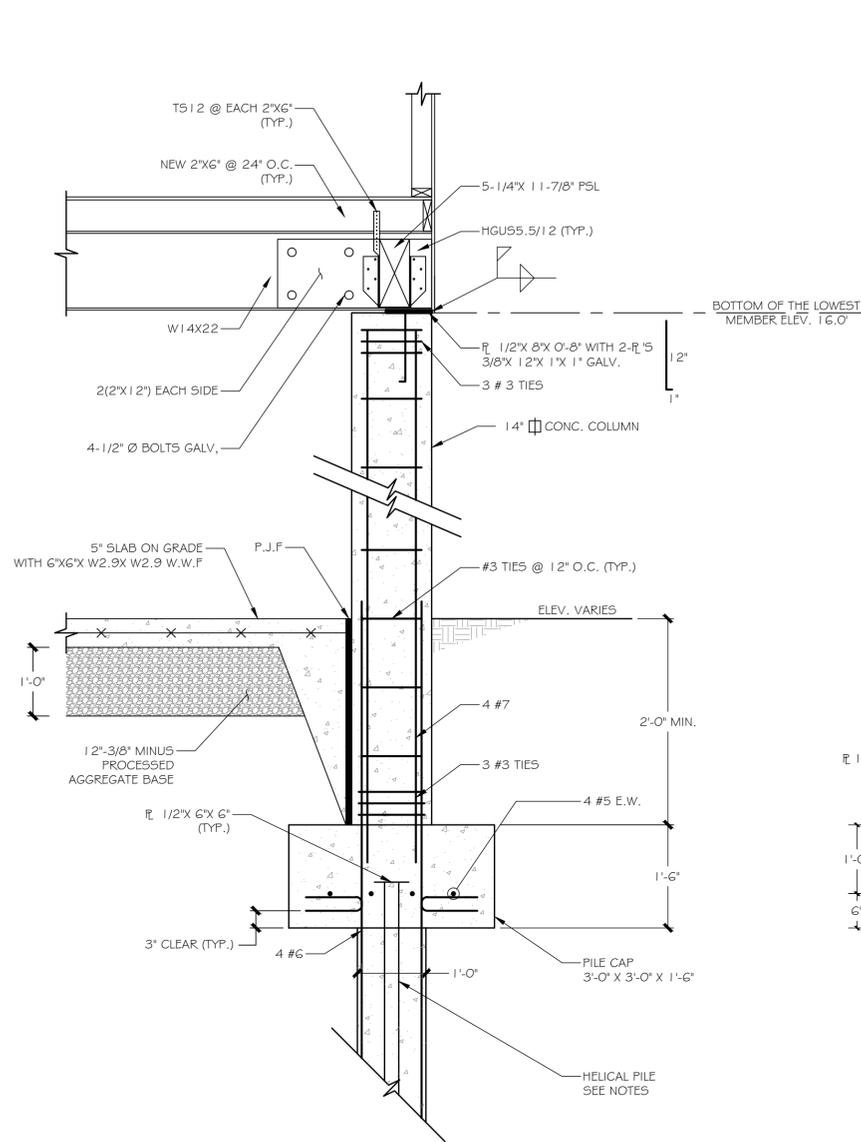
S-101



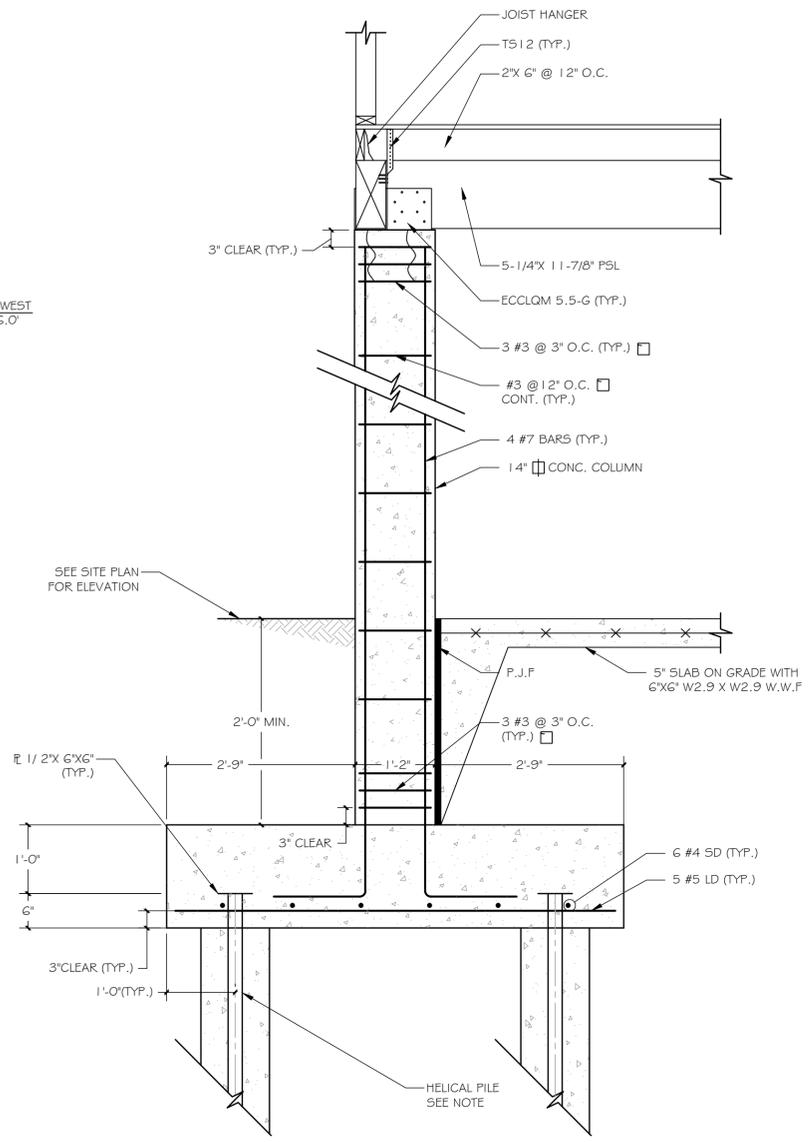
1 FOUNDATION PLAN
SCALE: 1/4"=1'-0"



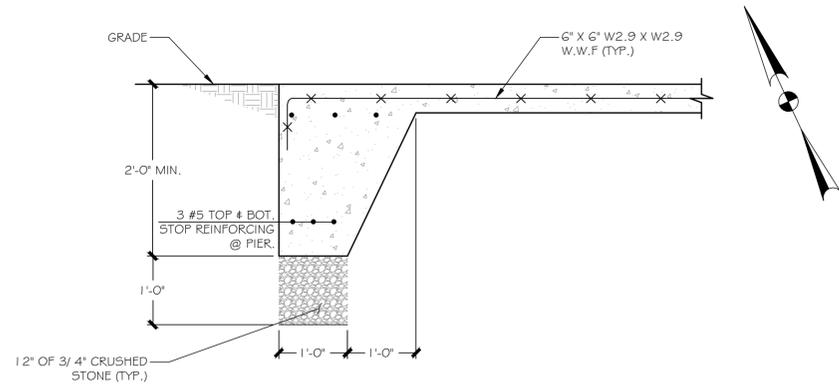
2 FRAMING PLAN
SCALE: 1/4"=1'-0"



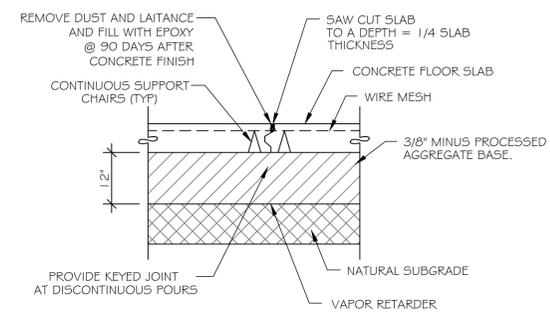
1 SECTION 1
5-301 SCALE: 3/4" = 1'-0"



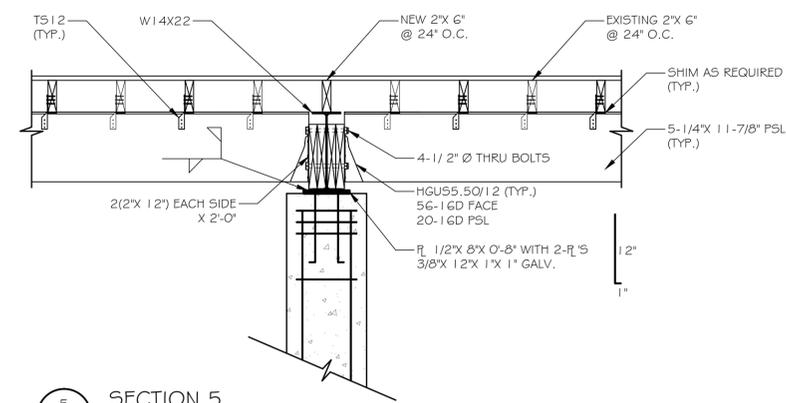
2 SECTION 2
5-301 SCALE: 3/4" = 1'-0"



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



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

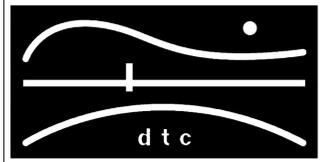


5 SECTION 5
5-301 SCALE: 3/4" = 1'-0"

- NOTES
- HELICAL PILE SHALL BE DESIGNED BY THE CONTRACTOR AND SUBMITTED FOR REVIEW. FOR BIDDING PURPOSES THE BIDDERS SHOULD ASSUME A 12" HELICAL PILE WITH AN ENCASMENT OF STEEL HSS 12-1/2" x PIPE FILLED WITH 3000 PSI CONCRETE.
 - SEE GEOTECHNICAL REPORT FOR DEPTH OF ORGANIC MATERIAL AND OTHER DATA REQUIRED FOR DESIGN.

NOTES:

REVISIONS



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

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MILFORD, CT

STRUCTURAL SECTIONS

DTC PROJECT NUMBER: 13-449-015

DTC DRAWING FILE:

SCALE: 3/4"=1'-0" DRAWN BY: REM

DATE: 1/23/2015 CHECKED BY: FC

SHEET:

S-301

KEY NOTES

NOTE : SEE LEAD ASBESTOS SPECIFICATIONS & REPORT FOR COMPLETE SCOPE OF ABATEMENT WORK.

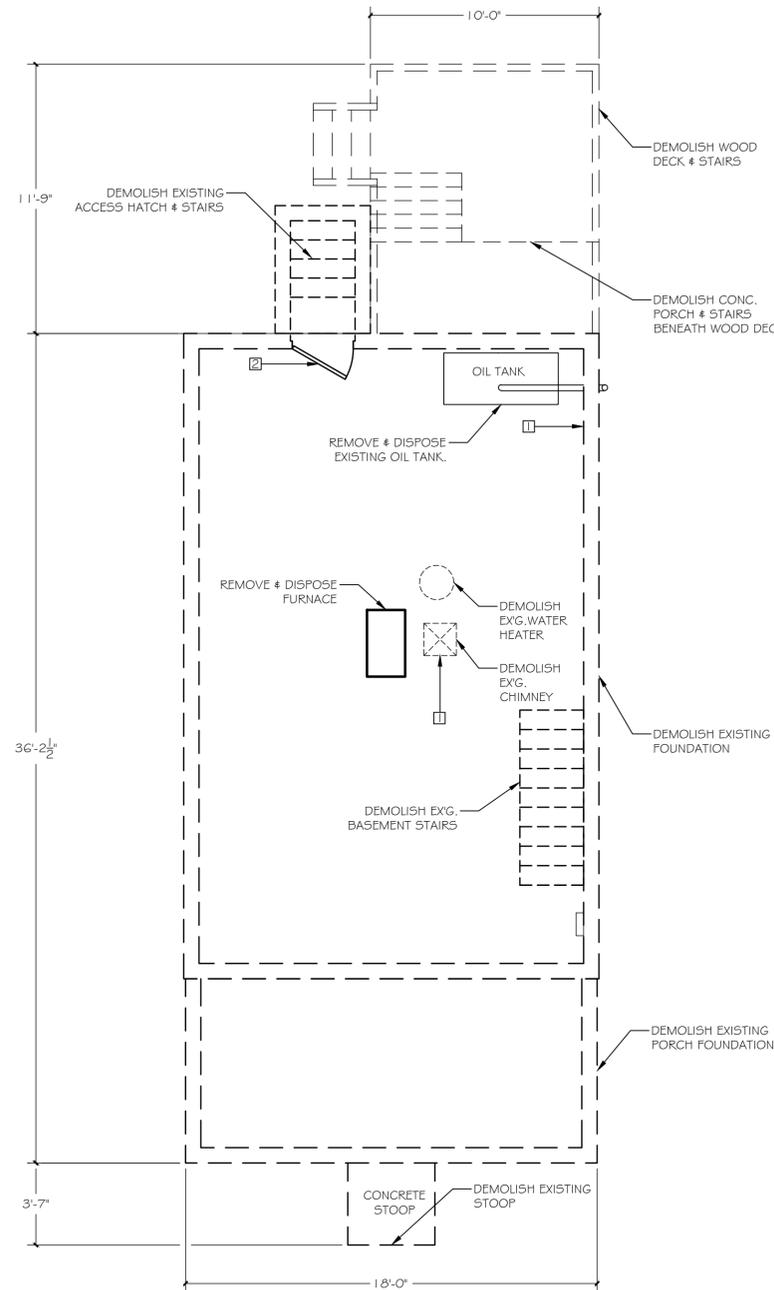
- 1 APPROXIMATE LOCATION OF ASBESTOS CONTAINING MATERIALS TO BE REMOVED. SEE ASBESTOS ABATEMENT SPECIFICATION.
- 2 REMOVE & DISPOSE DOOR & FRAME. SEE LEAD ABATEMENT SPECIFICATION FOR LEAD CONTAINING MATERIAL REMOVAL.

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. 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.
- 2. CONTRACTOR SHALL TAKE ADEQUATE PRECAUTIONS DURING THE COURSE OF THE DEMOLITION AND CONSTRUCTION TO MAINTAIN AND PROTECT INTERIOR EXISTING PARTITIONS, WALLS, CEILINGS, FLOORS, FIXTURES, ETC. TO REMAIN.
- 3. ADJOINING PROPERTY AFFECTED BY ANY OPERATIONS OF DEMOLITION SHALL BE PROTECTED FROM DAMAGE BY CONSTRUCTION.
- 4. ASBESTOS CONTAINING MATERIALS (ACM), LEAD CONTAINING MATERIALS & MOLD HAVE BEEN IDENTIFIED ON THIS PROJECT. COORDINATE LEAD & ASBESTOS REMOVAL W/ DEMOLITION ACTIVITIES. SEE LEAD & ASBESTOS ABATEMENT SPECIFICATION.
- 5. FOUNDATION SHALL BE COMPLETELY REMOVED & DISPOSED OFF SITE TO INCLUDE ALL WALLS, PIERS, FOOTINGS & MISC. FOUNDATION STRUCTURES ASSOCIATED WITH THE HOUSE & SITE FEATURES BEING DEMOLISHED.
- 6. FOUNDATION EXCAVATION SHALL BE BACKFILLED WITH PERVIOUS STRUCTURAL BACK FILL COMPACTED IN 6" LIFTS TO THE SUBGRADE ELEVATION OF FOUNDATION STRUCTURES & SLABS ON GRADE.

GENERAL NOTES

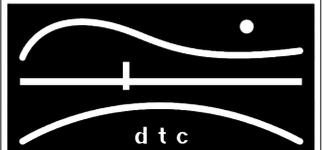
- 1. RAISE EXISTING 2 STORY HOUSE ABOVE THE 500 YEAR FLOOD ELEVATION. CONSTRUCT NEW FOUNDATION & IMPROVEMENTS.
- 2. ALL WORK SHALL FULLY CONFORM WITH THE REQUIREMENTS OF THE BUILDING AND ELECTRICAL CODES OF THE STATE OF CONNECTICUT, O.S.H.A., ALL OTHER AUTHORITIES AND CODES HAVING JURISDICTION OVER THE 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.



1 BASEMENT DEMO PLAN
D-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
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732 EAST BROADWAY
MILFORD, CT

BASEMENT
DEMOLITION PLAN

DTC PROJECT NUMBER: 13-449-015

DTC DRAWING FILE:

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

DATE: 1/23/2015 CHECKED BY: MPC

SHEET:

D-101

FINISH SCHEDULE													
ROOM NAME	FLOOR		BASE		NORTH WALL		EAST WALL		WEST WALL		CEILING		NOTES
	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	
KITCHEN	LAM/PLANK	PRE-FINISHED	WOOD	PAINT	---	---	G.W.B.	PAINT/PERGO	---	---	G.W.B.	PAINT	PROVIDE NEW THRESHOLD STRIP TO MATCH EXISTING WOOD FLOOR.
MECH./ENTRY	LAM/PLANK	PRE-FINISHED	WOOD	PAINT	G.W.B.	PAINT	G.W.B.	PAINT	G.W.B.	PAINT	G.W.B.	PAINT	

DOOR SCHEDULE								
LETTER	WIDTH	HEIGHT	THICKNESS	MATERIAL	MANUFACTURER	REMARKS	NOTES	
①	3'-0" ± V.I.F.	6'-8" ± V.I.F.	1-3/4" ± V.I.F.	FIBERGLASS	FEATHER RIVER DOORS	PRESTON FULL LITE	1,7	
②	3'-0" ± V.I.F.	6'-8" ± V.I.F.	1-1/4" ± V.I.F.	ALUMINUM	EMCOI 2000 SERIES	FULL LITE	2	
③	3'-0" ± V.I.F.	6'-8" ± V.I.F.	1-3/4" ± V.I.F.	FIBERGLASS	MASONITE	9 LITE PAINTED	3,7	
④	3'-0" ± V.I.F.	6'-8" ± V.I.F.	1-1/4" ± V.I.F.	ALUMINUM	EMCOI 200 SERIES	CROSSBUCK	4	
⑤	3'-0" ± V.I.F.	6'-8" ± V.I.F.	1-3/4" ± V.I.F.	WOOD	JELD WEN	15 LITE	5,8	
⑥	6'-0" ± V.I.F.	6'-8" ± V.I.F.	1" ± V.I.F.	WOOD	JELD WEN	LOUVER DOOR	6,9	

- DOOR NOTES**
1. PROVIDE PRESTON PATINA FULL LITE CAMING.
 2. PROVIDE WHITE FRAME, 4 FULL VIEW DECORATIVE GLASS TO MATCH EXISTING.
 3. PROVIDE WHITE PAINTED FIBERGLASS ENTRY DOOR.
 4. PROVIDE HALF LITE STORABLE CROSSBUCK STORM DOOR.
 5. PROVIDE 15 LITE UNFINISHED WOOD 4 GLASS DOOR.
 6. PROVIDE WOODGRAIN 3-PANEL HOLLOW CORE MOLDED BI-FOLD CLOSET DOOR.
 7. PROVIDE MORTISE LOCKSET W/ DEADBOLT.
 8. PROVIDE PASSAGE LATCHSET.
 9. PROVIDE CONTINUOUS TRACK FOR OPENING, KNOBS AS SELECTED BY OWNER.

KEY NOTES

NOTE : SEE LEAD ASBESTOS SPECIFICATIONS & REPORT FOR COMPLETE SCOPE OF ABATEMENT WORK.

1. REMOVE & DISPOSE DOOR & FRAME. SEE LEAD ABATEMENT SPECIFICATION FOR LEAD CONTAINING MATERIAL REMOVAL.
2. REMOVE & DISPOSE ITEM CONTAINING LEAD. REPLACE WITH NEW MATERIALS & FINISH TO MATCH EXISTING.
3. LIQUID ENCAPSULATE LEAD CONTAINING ITEM. ENCAPSULATE ENTIRE UNIT FOR CONSISTENT FINISH. MATCH EXISTING PAINT COLOR.

KITCHEN NOTES

◆ REMOVE & DISPOSE LOWER KITCHEN CABINETS & COUNTERTOPS.

◆ REMOVE & DISPOSE KITCHEN FLOORING INCLUDING ALCOVE WEST OF REAR DOOR. REMOVE ALL UNDERLAYMENTS.

◆ REMOVE DRYWALL TO 30" ABOVE SUBFLOORING- ALL WALLS.

◆ REMOVE PERGO FLOORING INSTALLED AS WALLBOARD TO FULL HEIGHT OF PERGO.

◆ REMOVE & DISPOSE REAR ENTRY DOOR & WALL

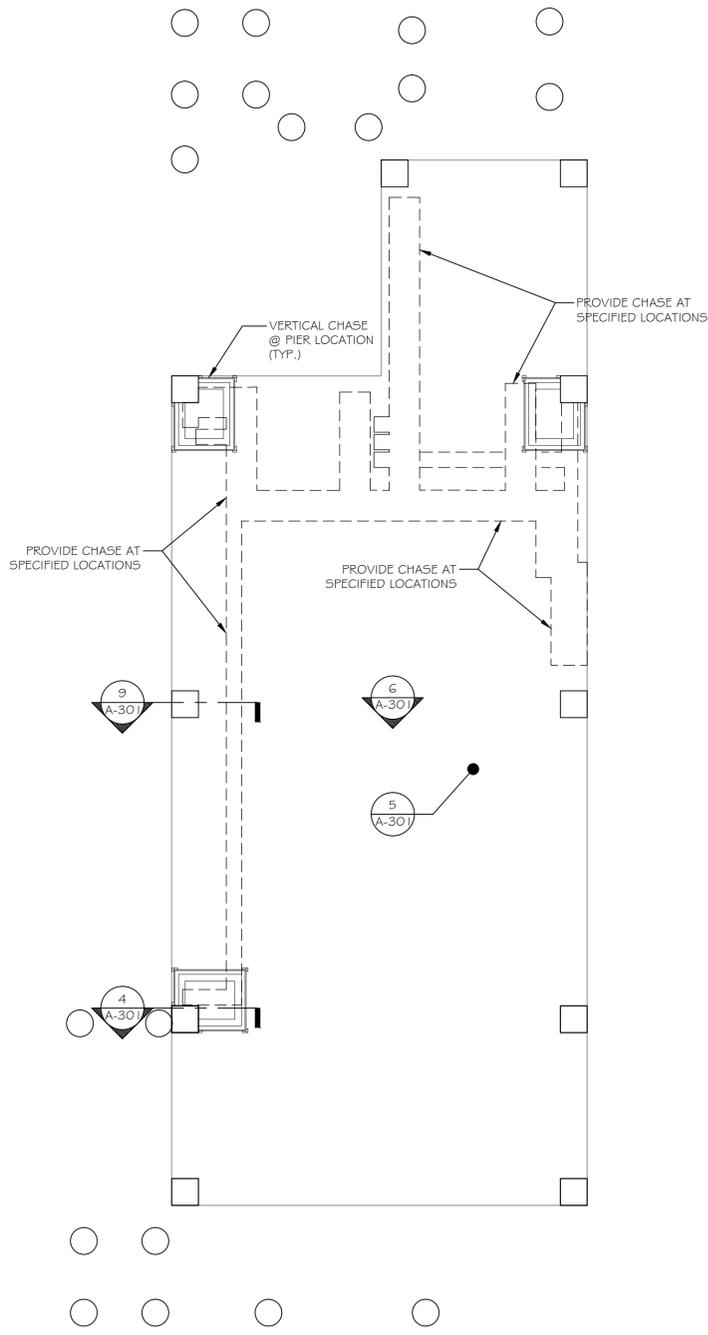
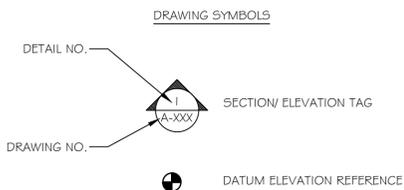
◆ REMOVE & STORE FOR RE-INSTALLATION
-REFRIGERATOR
-SINK & FAUCETS
-STOVETOP
-DOUBLE OVENS
-DISHWASHER

◆ REMOVE INSULATION IN WALLS TO HEIGHT OF WALLBOARD REMOVED. PROVIDE NEW FOAM-IN-PLACE INSULATION.

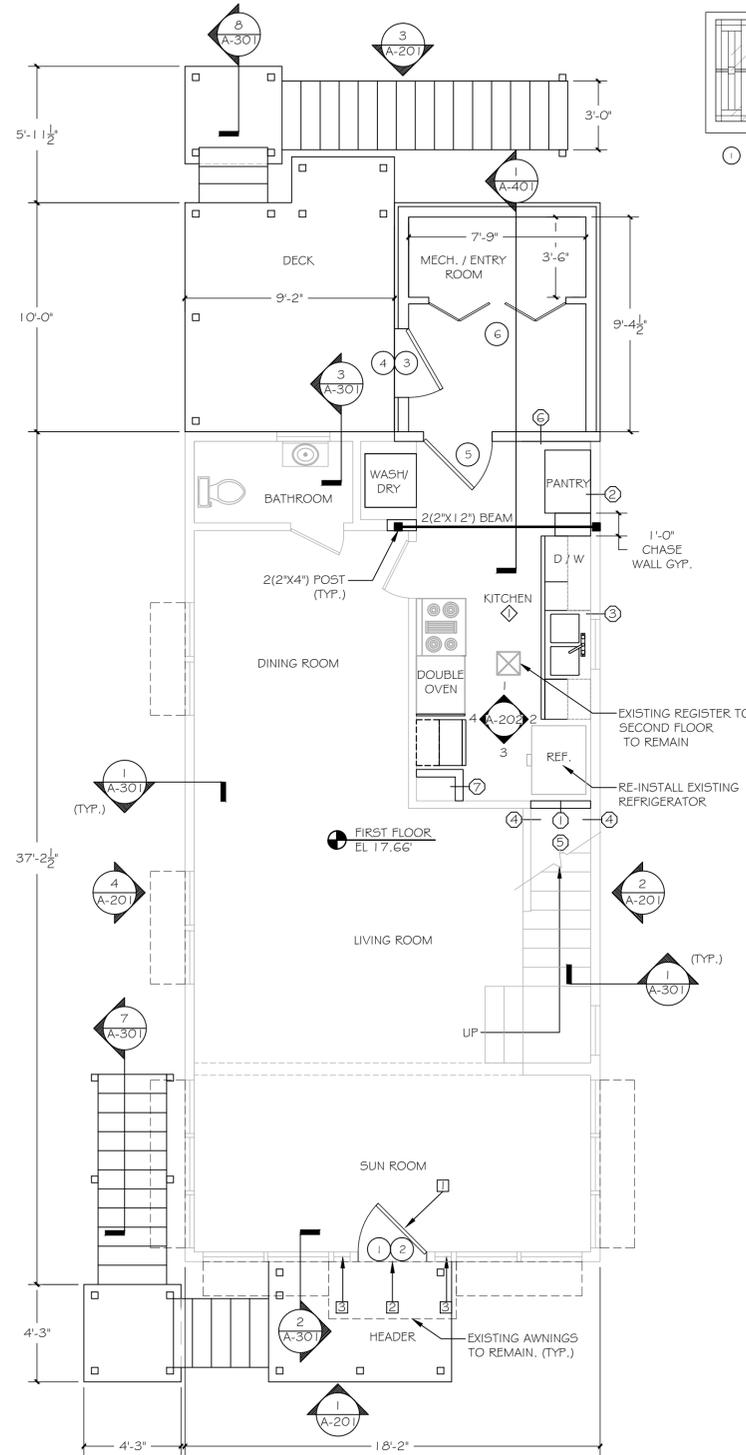
◆ REMOVE ADDITIONAL ITEMS TO PERFORM OTHER WORK.

WALL LEGEND

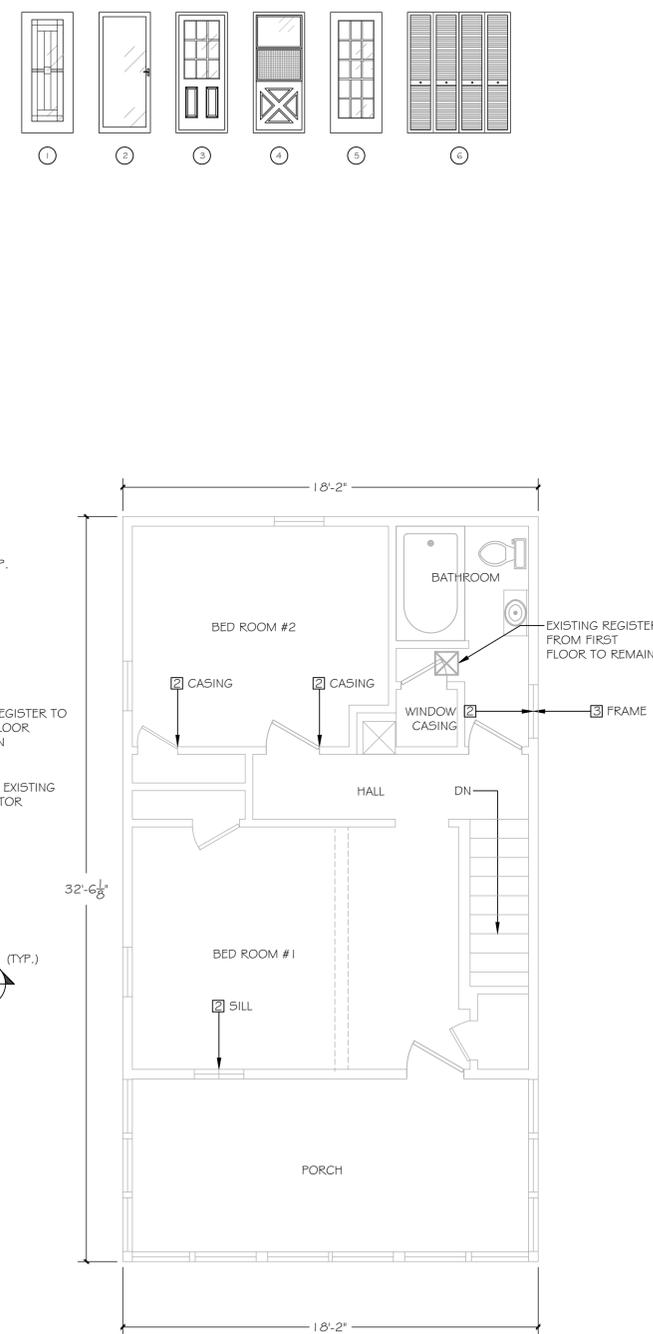
1. 2"x4" WALL WITH 3/8" GYP. ON BOTH SIDES OR MATCH EXISTING
2. DEMOLISH EXISTING DRYWALL FULL HEIGHT. REMOVE INSULATION. PROVIDE NEW FOAM IN PLACE INSULATION R6/INCH
3. EXISTING EXTERIOR STUD WALL. EXISTING WALLBOARD REMOVED TO 30" AFF. NEW FOAM IN PLACE INSULATION TO FILL CAVITY. R-6 PER INCH. NEW GYP. BOARD 1/2" MIN. TO MATCH EXISTING.
4. EXISTING STUD WALL. NEW 3/8" GWB. PROVIDE FOAM IN PLACE INSULATION ON EXTERIOR WALL.
5. NEW 2"x4" FURRING UNDER STAIR. NEW 3/8" GWB.
6. DEMOLISH EXISTING WALL. PROVIDE NEW 2"x4" WALL, & 3/8" GYP. ON EACH SIDE.
7. 2"x4" WALL @ 16" O.C. WALL W/ 1/2" GYP. WALL BOARD.



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



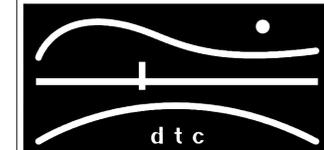
2 FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"



3 SECOND 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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732 EAST BROADWAY
MILFORD, CT

GROUND, FIRST &
SECOND FLOOR PLANS

DTC PROJECT NUMBER: 13-449-015

DTC DRAWING FILE:

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

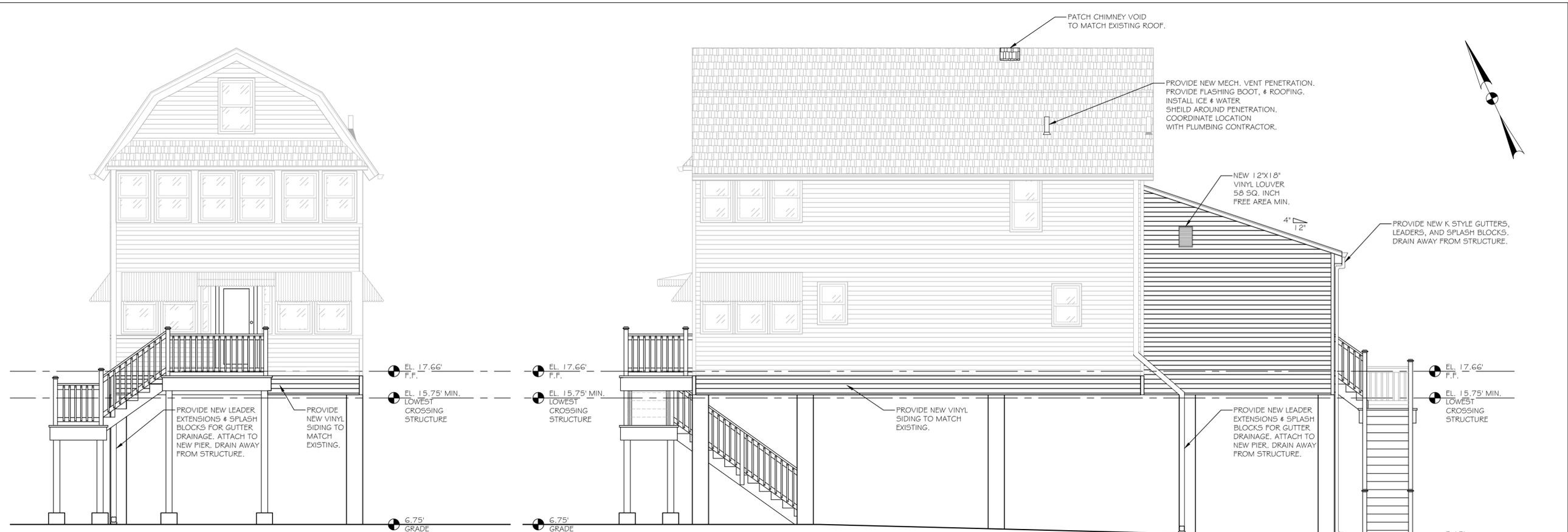
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CHECKED BY: MPC

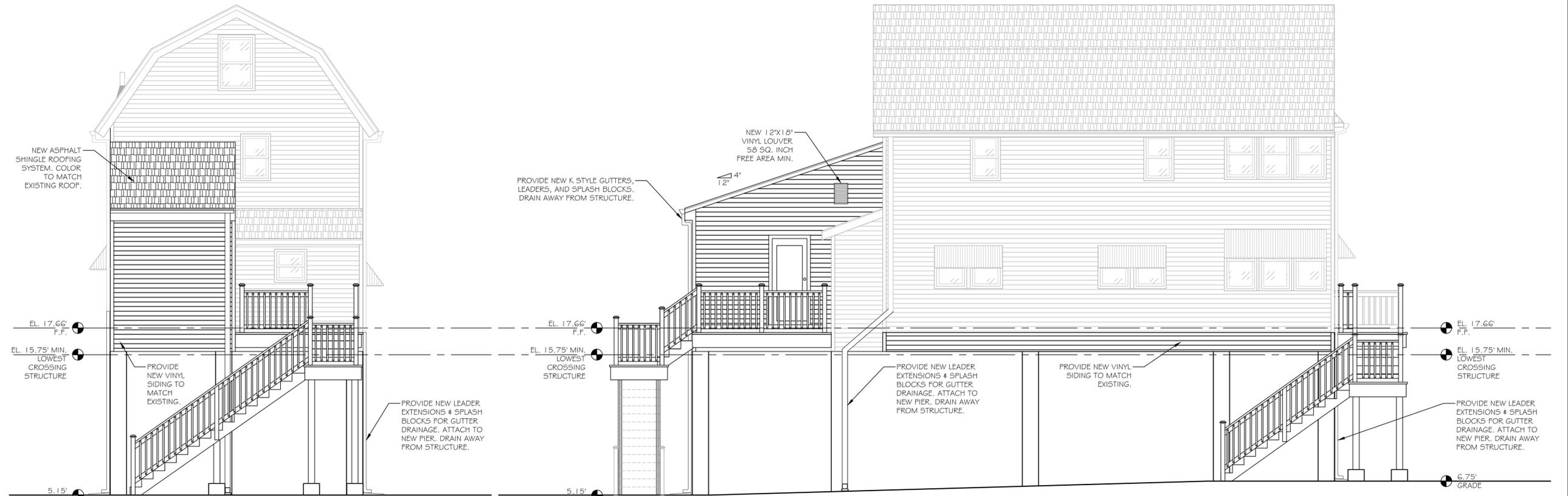
SHEET:

A-101



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

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

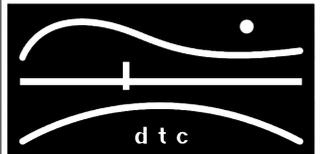


3 NORTH ELEVATION
A-201 SCALE: 1/4" = 1'-0"

4 WEST ELEVATION
A-201 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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732 EAST BROADWAY
MILFORD, CT

EXTERIOR
ELEVATIONS

DTC PROJECT NUMBER: 13-449-015

DTC DRAWING FILE:

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

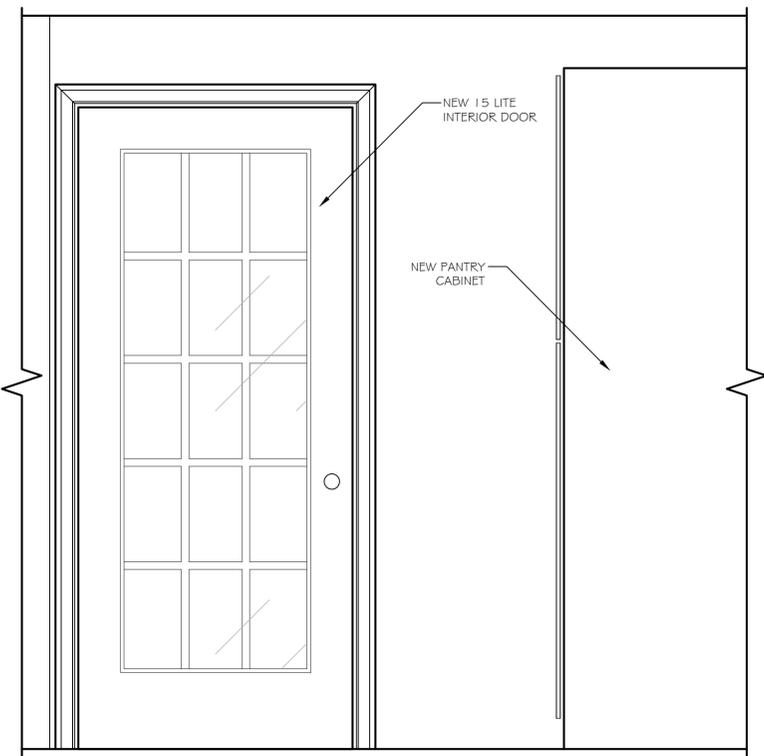
DATE: 1/23/2015 CHECKED BY: MPC

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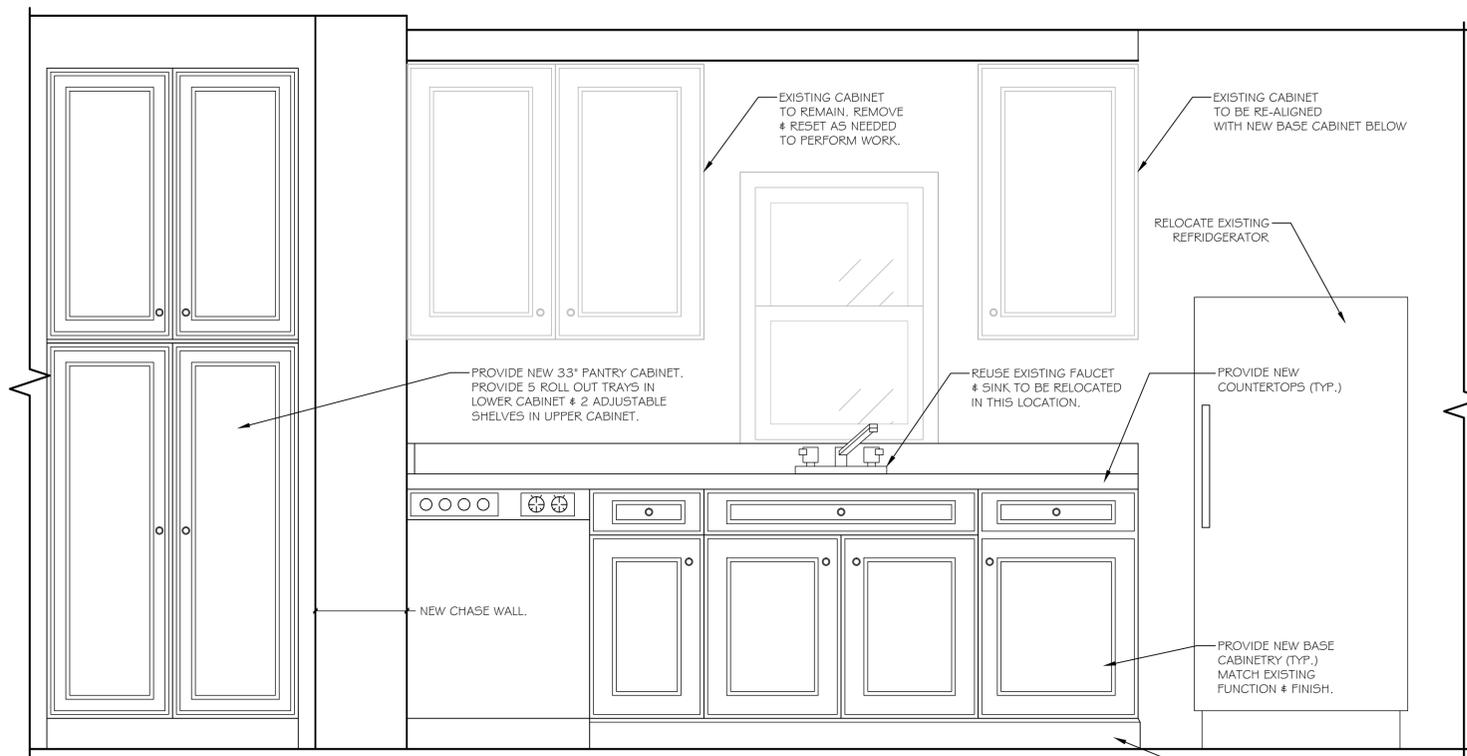
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NOTES

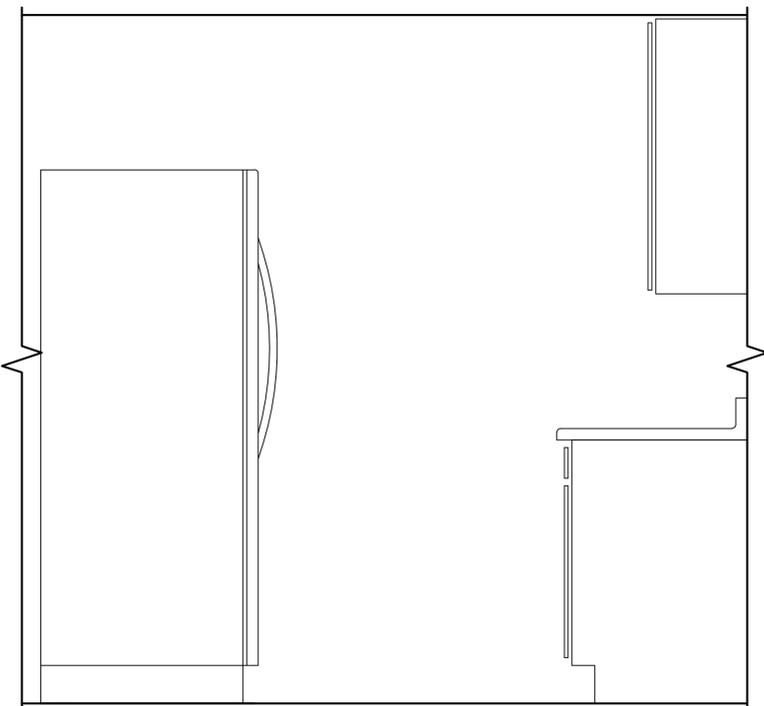
1. NEW CABINETRY IS TO BE REPLACED IN-KIND. MATCH FINISH & FUNCTION DRAINS, SHELIVING ETC.



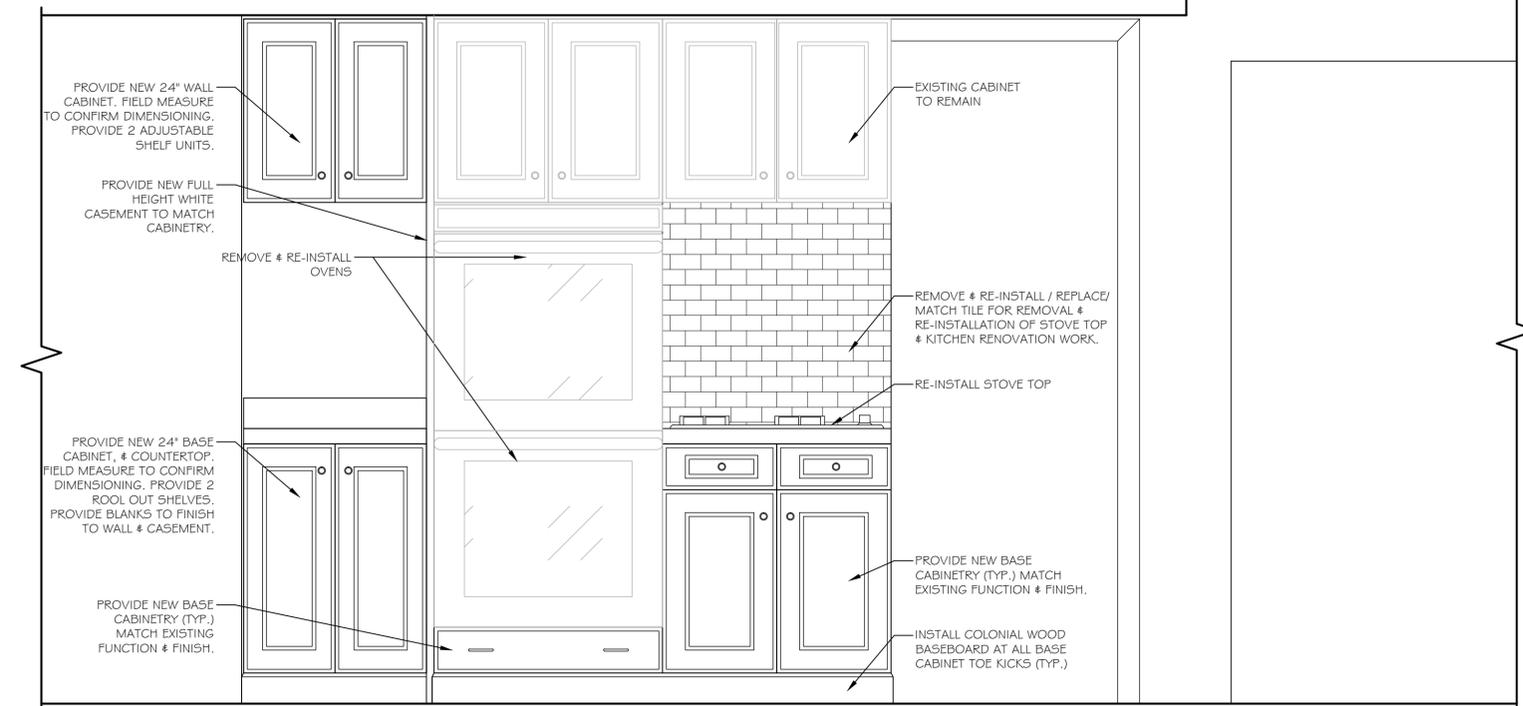
1 NORTH ELEVATION
SCALE: 1" = 1'-0"



2 EAST ELEVATION
SCALE: 1" = 1'-0"



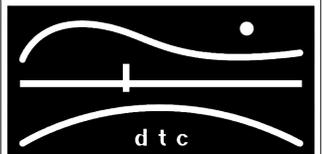
3 SOUTH ELEVATION
SCALE: 1" = 1'-0"



4 WEST ELEVATION
SCALE: 1" = 1'-0"

NOTES:

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

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KITCHEN
ELEVATIONS

DTC PROJECT NUMBER: 13-449-015

DTC DRAWING FILE:

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

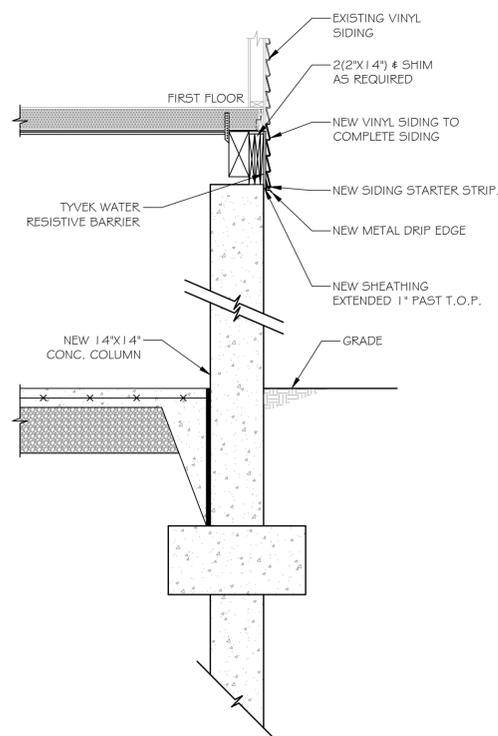
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DATE: 1/23/2015

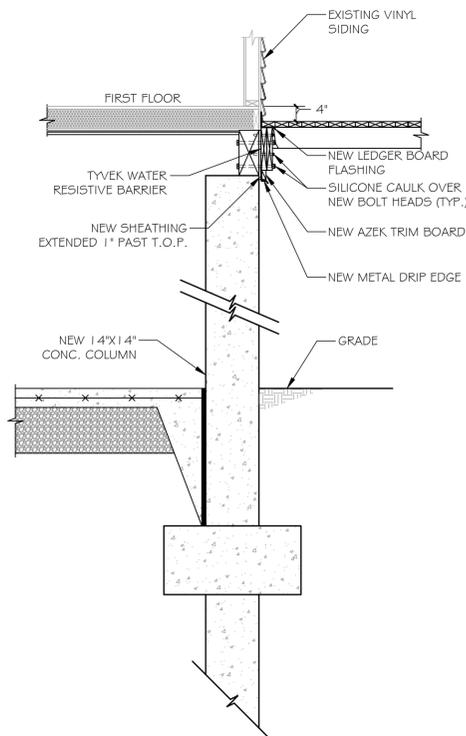
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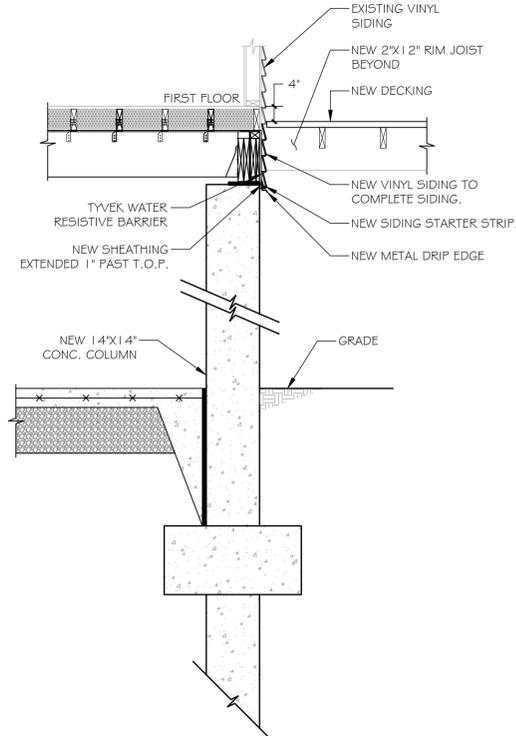
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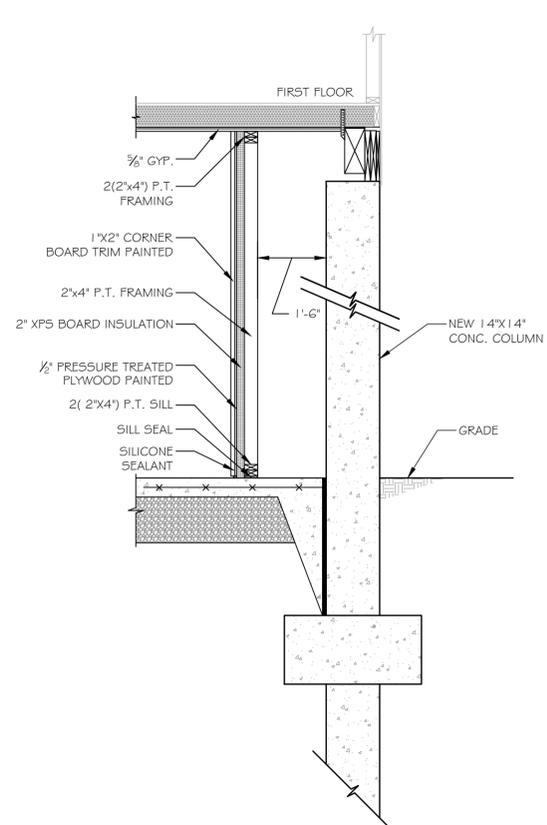
1 WALL SECTION
A-301 SCALE: 1/2" = 1'-0"



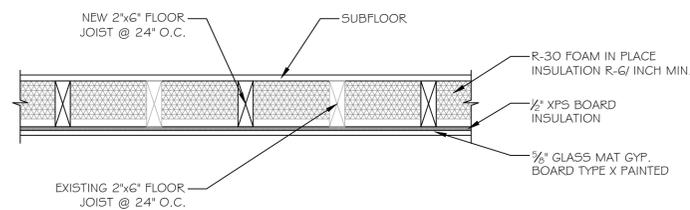
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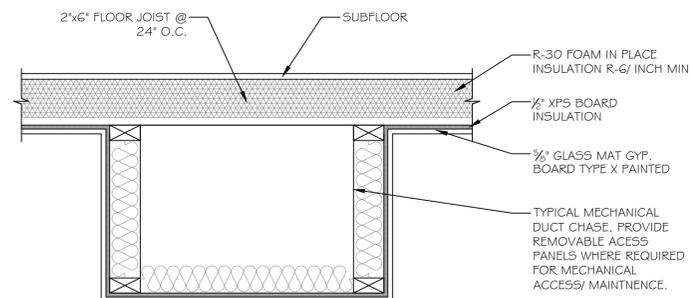
3 WALL SECTION
A-301 SCALE: 1/2" = 1'-0"



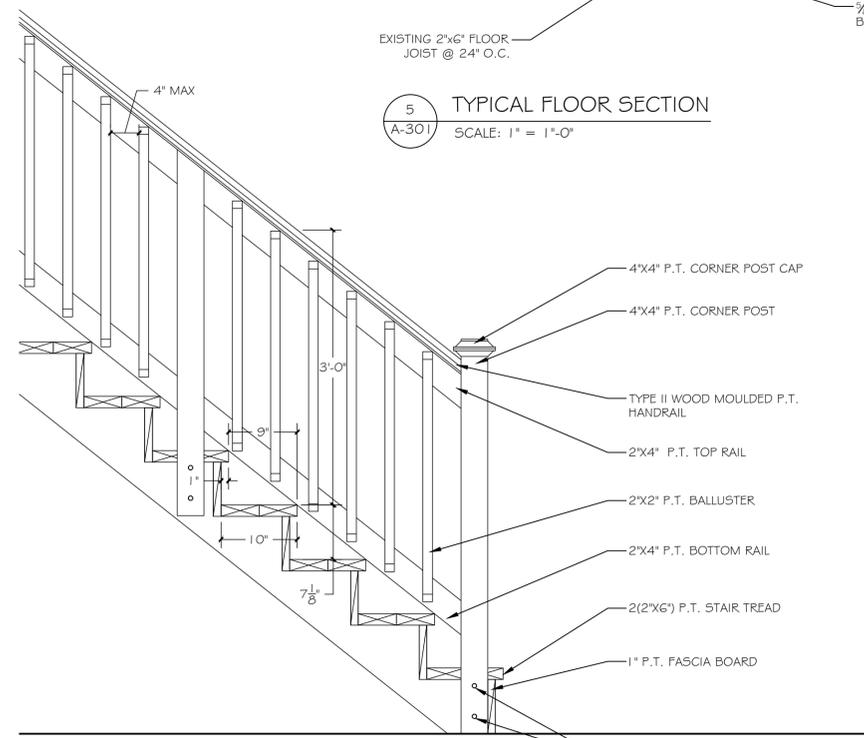
4 WALL SECTION AT VERTICAL CHASE
A-301 SCALE: 1/2" = 1'-0"



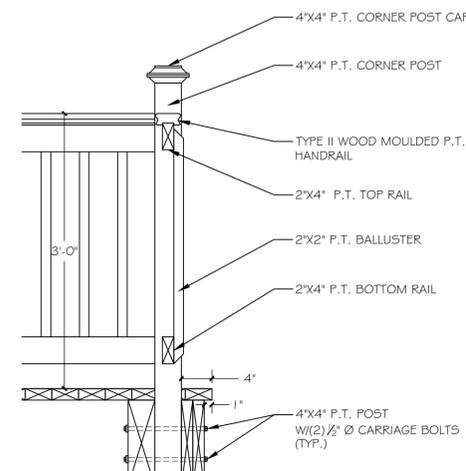
5 TYPICAL FLOOR SECTION
A-301 SCALE: 1" = 1'-0"



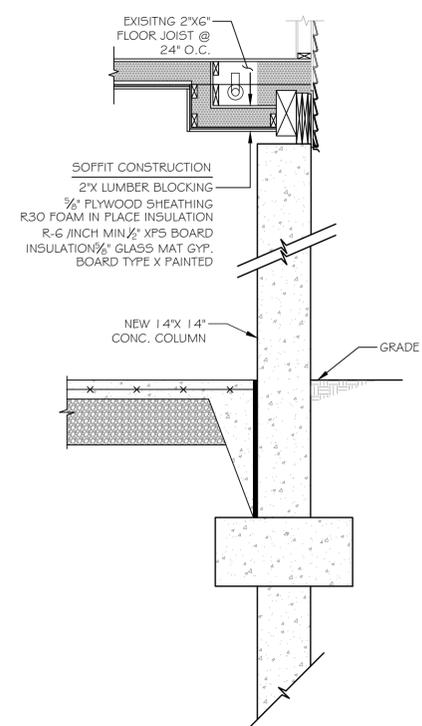
6 TYPICAL DUCT CHASE
A-301 SCALE: 1" = 1'-0"



7 STAIR DETAIL
A-301 SCALE: 1" = 1'-0"



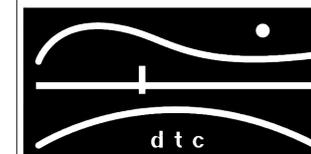
8 RAILING/ POST DETAIL
A-301 SCALE: 1" = 1'-0"



9 HORIZONTAL PIPE SECTION
A-301 SCALE: 1/2" = 1'-0"

NOTES:

REVISIONS



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

OORR
APPLICATION NO. 1095
DELEON RESIDENCE
732 EAST BROADWAY
MILFORD, CT

WALL SECTIONS
&
DETAILS

DTC PROJECT NUMBER: 13-449-015

DTC DRAWING FILE:

SCALE: VARIES DRAWN BY: REM

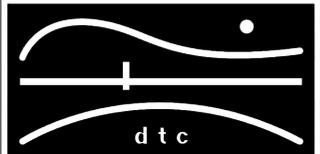
DATE: 1/23/2015 CHECKED BY: MC

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A-301

NOTES:

REVISIONS



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

OORR
APPLICATION NO. 1095
DELEON RESIDENCE
732 EAST BROADWAY
MILFORD, CT

MECH./ ENTRY ROOM SECTION

DTC PROJECT NUMBER: 13-449-015

DTC DRAWING FILE:

SCALE: 1/2"=1'-0"

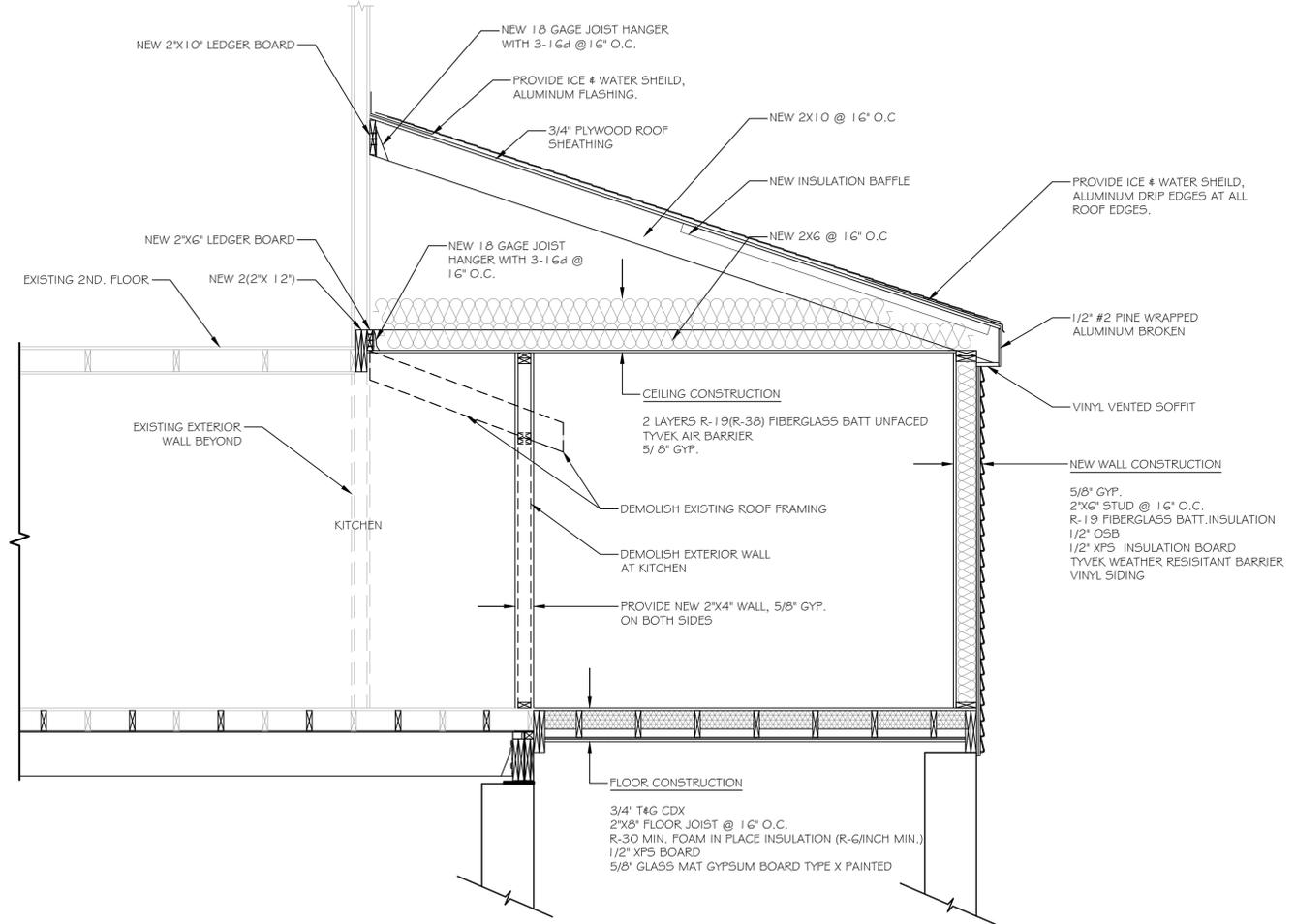
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DATE: 1/23/2015

CHECKED BY: MC

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A-401



MECH./ ENTRY ROOM SECTION
SCALE: 1/2" = 1'-0"

PLUMBING GENERAL NOTES

- THE CONTRACTOR SHALL BECOME THOROUGHLY FAMILIAR WITH THE PROJECT DOCUMENTS OF ALL TRADES. THE DRAWINGS ARE DIAGRAMMATIC AND SHOW THE GENERAL ARRANGEMENT OF EQUIPMENT AND PIPING. THE CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF EQUIPMENT AND PIPING INSTALLATION WITH ALL TRADES BEFORE COMMENCING WORK.
- THIS CONTRACT SHALL INCLUDE ALL THE NECESSARY PIPING, FITTINGS, TRANSITIONS ETC. AS NECESSARY TO INSTALL PLUMBING SYSTEM, AND TO AVOID ANY CONFLICTS WITH OTHER TRADES AND THE BUILDING STRUCTURE.
- IT IS NOT THE INTENT OF THE DRAWINGS TO SHOW INDIVIDUAL BRANCH PIPING TO EACH PLUMBING FIXTURE. ONLY THE BRANCH PIPING TO GROUPS OF FIXTURES IS INDICATED. THE ENTIRE PLUMBING SYSTEM SHALL BE FULLY OPERATIONAL AND READY FOR BENEFICIAL USE BEFORE THE JOB IS CONSIDERED COMPLETE.
- REFER TO LATEST ARCHITECTURAL PLANS FOR ELEVATIONS, SECTIONS, DETAILS, MOUNTING HEIGHTS, LOCATION OF PLUMBING FIXTURES. ALL HANDICAPPED DESIGNATED FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH ANSI AND ADA STANDARDS.
- DO NOT SCALE DRAWINGS. CONTRACTOR SHALL VERIFY ALL DIMENSIONS & CONDITIONS IN THE FIELD AND SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY & ALL DISCREPANCIES.
- IT IS NOT INTENDED THAT THE DRAWINGS SHOW EVERY PIPE, FITTING, RISE/DROP OR DETAIL. SYSTEM & COMPONENTS SHALL BE INSTALLED ACCORDING TO THE INTENT AND MEANING OF CONTRACT DOCUMENTS AND IN ACCORDANCE WITH GOOD PRACTICE.
- CONTRACTOR IS RESPONSIBLE TO PROVIDE COMPLETE AND OPERATIONAL SYSTEMS WITH FACILITIES AND SERVICES TO MEET REQUIREMENTS INDICATED AND IN ACCORDANCE WITH APPLICABLE CODES AND ORDINANCES.
- EQUIPMENT AND COMPONENTS HAVING EQUAL PERFORMANCE CHARACTERISTICS BY OTHER MANUFACTURERS MAY BE CONSIDERED, PROVIDED DEVIATIONS IN DIMENSIONS, OPERATION AND OTHER CHARACTERISTICS DO NOT CHANGE DESIGN CONCEPT OR INTENDED PERFORMANCE AS JUDGED BY THE ENGINEER. BURDEN OF PROOF OF EQUALITY OF PRODUCTS IS ON THE CONTRACTOR.
- CONTRACTOR IS RESPONSIBLE FOR THE SAFEKEEPING OF HIS OWN PROPERTY ON THE JOB SITE. OWNER ASSUMES NO RESPONSIBILITY FOR THE PROTECTION OF PROPERTIES AGAINST FIRE, THEFT AND ENVIRONMENTAL CONDITIONS.
- CONTRACTOR IS RESPONSIBLE FOR PROPERLY PROTECTING OWNER'S PROPERTY AND EQUIPMENT FROM INJURY, AND DAMAGE TO SAME SHALL BE REPLACED BY CONTRACTOR.
- CONTRACTOR IS TO CLEAN JOB SITE DAILY AND REMOVE FROM THE PREMISES ANY DIRT AND DEBRIS CAUSED BY THE PERFORMANCE OF THE WORK INCLUDED IN THIS CONTRACT.
- ALL WORK TO BE PERFORMED IN A CLEAN AND WORKMANLIKE MANNER, CARE SHALL BE EXERCISED TO MINIMIZE ANY INCONVENIENCE OR DISTURBANCE TO OTHER AREAS OF THE BUILDING WHICH ARE TO REMAIN IN OPERATION. ISOLATE CONSTRUCTION AREAS BY MEANS OF TEMPORARY PARTITIONS AND/OR TARPS TO KEEP DUST AND DIRT WITHIN WORK AREA.
- CONTRACTOR IS RESPONSIBLE TO PROPERLY SECURE AREAS OF CONSTRUCTION AT THE END OF EACH WORKING DAY.
- EQUIPMENT AND PIPING TO BE INSTALLED IN ACCORDANCE WITH SEISMIC REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE.
- CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH ALL OTHER TRADES.
- ALL EQUIPMENT SUPPORTS AND PIPE HANGERS TO BE CONNECTED FROM THE BUILDING STRUCTURE.
- PROVIDE ACCESS PANELS/DOORS FOR ALL CONCEALED PLUMBING ITEMS REQUIRING ACCESS, COORDINATE WITH DIVISION 8.
- PROVIDE SHUTOFF VALVES AT ALL BRANCH PIPING TAKEOFFS.
- ALL BRANCH WATER PIPES TO HAVE STOP VALVES AT EACH PLUMBING FIXTURE.
- INSULATE EXPOSED WASTE, HOT AND COLD WATER PIPING UNDER HANDICAP LAVATORIES.
- INSULATE COLD WATER, HOT WATER AND RECIRCULATION PIPING, CONDENSATE DRAIN, STORM PIPING AND ROOF DRAIN BODIES.
- EVERY FIXTURE SHALL BE PROPERLY PIPED TO WATER, SANITARY, WASTE, AND VENT SYSTEMS. REFER TO THE PLUMBING SCHEDULES ON MEP DRAWINGS FOR INDIVIDUAL PIPE SIZES TO EACH FIXTURE.
- WHERE AN INACCESSIBLE CEILING IS INSTALLED (GYP BOARD OR 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.
- PIPE ALL CONDENSATE DRAINS FROM MECHANICAL EQUIPMENT COOLING COILS, BY GRAVITY (INTERIOR AIR HANDLING UNITS, FAN COIL UNITS, ETC.) TO FLOOR DRAINS OR JANITOR'S SINKS THROUGH AN AIR GAP. EACH CONDENSATE DRAIN SHALL BE TRAPPED AT THE EQUIPMENT DRAIN OUTLET, REFER TO TRAP DETAILS ON DRAWINGS. COORDINATE EXACT LOCATION WITH THE HVAC CONTRACTOR AND ADJUST AS NECESSARY.
- COORDINATE EXACT LOCATION OF ALL UNDERGROUND UTILITIES (WATER, GAS, SANITARY, ETC.) EXITING OR ENTERING THE BUILDING WITH CIVIL DRAWINGS.
- 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.
- ALL INDIRECT WASTE DRAINS SHALL BE PIPED TO FLOOR DRAINS, FUNNELS OR FIXED AIR GAP FITTINGS, THROUGH AIR GAP OR TO A SINK DRAIN TAILPIECE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELBOWS, TEES, DROPS, AND MISCELLANEOUS PIPING DUE TO ELEVATION CHANGES, OBSTRUCTIONS, COORDINATION WITH OTHER TRADES, ETC. TO INSTALL A COMPLETE, FUNCTIONING, PLUMBING SYSTEM.

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
	FUEL OIL PIPING
	PIPING DIRECTION OF FLOW
	HT - HEAT TRACED & INSULATED PIPE
	PIPING RISER UP
	PIPING RISER DOWN
	DRAIN
	TRAP
	BALL VALVE
	CHECK VALVE
	UNION
	CAP ON END OF PIPE
	GAS COCK
	GAS PRESSURE REGULATOR
	GAS SOLENOID VALVE
	POINT OF CONNECTION
	POINT OF DISCONNECT
	THERMOSTATIC MIXING VALVE
	PRESSURE REDUCING VALVE
	CLEANOUT/ WALL CLEANOUT
	HOSE BIBB

HVAC GENERAL NOTES

- NOTES BELOW ARE NOT INTENDED TO REPLACE SPECIFICATIONS. SEE SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO GENERAL NOTES.
- CONTRACTOR SHALL VISIT THE SITE AND BECOME INFORMED AS TO THE NATURE AND SCOPE OF WORK REQUIRED BY CONTRACT DOCUMENTS PRIOR TO BIDDING PROJECT.
- PROVIDE ALL REQUIRED MATERIALS, LABOR, EQUIPMENT, AND SERVICES NECESSARY FOR THE INSTALLATION OF THE WORK AS SHOWN ON THESE DRAWINGS OR SPECIFIED BY THE BASE BUILDING DRAWING AND SPECIFICATIONS.
- REFER TO AND CAREFULLY CHECK ARCHITECTURAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS AND DETAILS, NOTES, LOCATIONS WHERE WALLS, PARTITIONS, CEILINGS, AND OTHER SURFACES ARE FURRED, LOCATIONS OF SHAFTS, SOFFITS, AND CONFLICTS WITH WORK OF OTHER TRADES, AND ARRANGE WORK ACCORDINGLY. FURNISH ALL OFFSETS, DAMPERS, CONNECTORS, ETC. REQUIRED TO MEET SUCH CONDITIONS.
- DUE TO SCALE OF DRAWINGS, ALL REQUIRED OFFSETS, DAMPERS, ETC., MAY NOT BE INDICATED.
- COORDINATE DIFFUSER AND REGISTER LOCATIONS AND DUCT WITH LIGHTING FIXTURES AND STRUCTURE. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR DETAILS.
- 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 WORK LOCATIONS, ELEVATIONS AND SIZES BEFORE ANY WORK IS STARTED. IF ANY DISCREPANCIES ARE FOUNDED, 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 NECESSARY SHOW ALL CONDITIONS OF BUILDING. CONTRACTOR TO USE ALL DRAWINGS AND SPECIFICATIONS OF CONTRACT DOCUMENTS AND INSPECTION OF FIELD CONDITIONS FOR DIVISION 23.
- HVAC PLANS, DETAILS AND ONE LINE DIAGRAMS SHOW THE GENERAL LOCATION AND ARRANGEMENT OF THE SYSTEM. THESE ARE DIAGRAMMATIC AND DO NOT SHOW ALL OFFSETS, HANGERS, ACCESS DOORS, ETC. WHICH THE CONTRACTOR MUST PROVIDE TO COMPLETE THE SYSTEM.
- ALL WORK IN INTERIOR FINISHED SPACES EXCEPT INDICATED IS TO BE CONCEALED ABOVE CEILING. PROVIDE ALL NECESSARY CUTTING, PATCHING, REPAINTING AND/OR REPLACEMENT OF FINISHES AS REQUIRED TO PERFORM COORDINATE WITH OTHER DIVISIONS.
- IF MANUFACTURER OF EQUIPMENT REQUIRES LARGER CAPACITY CIRCUITRY AND/OR EQUIPMENT THE CONTRACTOR SHALL PROVIDE SUCH CAPACITY AND/OR EQUIPMENT UNDER THIS CONTRACT AT NO COST TO THE OWNER.
- SUPPORT DUCTWORK ABOVE CEILING FROM CONSTRUCTION ABOVE AS CLOSE AS POSSIBLE TO BOTTOM OF SLABS, BEAMS, MAINTAINING HEADROOM AT ALL TIMES.
- DO NOT SCALE DRAWINGS. CHECK EXISTING SPACE CONDITIONS AT THE JOB SITE.
- GENERAL CONTRACTOR PROVIDE ALL CONTROL DEVICES, EQUIPMENT, ACCESSORIES, VFD DRIVES, OTHER APPARATUS, CONTROL VALVES AND DAMPERS, ACTUATORS, SENSORS, ETC. AND ALL CONTROL WIRING.
- ALL DUCTWORK SHALL BE HUNG FROM STRUCTURE ABOVE.
- PROVIDE FLEXIBLE CONNECTIONS BETWEEN MECHANICAL EQUIPMENT AND DUCTWORK AND PIPING.
- PROVIDE MINIMUM OF 3" DUCT LINER ON SUPPLY AND RETURN BRANCH DUCT UNIT CONNECTION (SEE DETAILS).
- PROVIDE VOLUME DAMPERS ON ALL BRANCHES OF DUCTWORK (SUPPLY, RETURN, EXHAUST).
- ALL PENETRATIONS THRU WALLS, ROOF, AND FLOORS TO BE COORDINATED BEFORE SITE WORK EXECUTION WITH STRUCTURAL ENGINEERS.
- THERMOSTAT AND TEMPERATURE SENSOR LOCATIONS TO BE COORDINATED WITH INTERIOR WALL LAYOUT.
- DIFFUSER AND REGISTER LOCATIONS TO BE COORDINATED WITH LIGHTING & FLOOR LAYOUT.
- 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.
- SHOP 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.
 - SIZES AND LOCATION OF REQUIRED CONCRETE PADS AND BASES.
 - FLOOR PLANS, ELEVATIONS, AND DETAILS TO INDICATE PENETRATIONS, FLOORS, WALLS, AND CEILINGS AND THEIR RELATIONSHIP TO OTHER PENETRATIONS AND INSTALLATIONS.
 - SCALE: MINIMUM 1/4"=1'-0" FOR FLOOR PLAN, 3/8"=1'-0" FOR MECHANICAL ROOMS.
- CONTRACTOR TO PROVIDE ALL CONTROL DEVICES, EQUIPMENT, ACCESSORIES, OTHER APPARATUS, CONTROL VALVES AND DAMPERS, ACTUATORS, SENSORS, ETC. AND ALL CONTROL WIRING AND LOW VOLTAGE POWER WIRING.

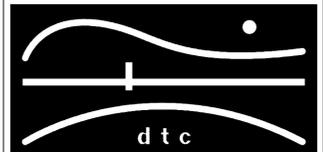
ABBREVIATIONS

CO	CLEANOUT
CTE	CONNECT TO EXISTING
CW	COLD WATER
E	EXISTING TO REMAIN
ER	EXISTING TO BE REMOVED
ERR	EXISTING TO BE RELOCATED
HB	HOSE BIBB
HW	HOT WATER
HZ	HERTZ
IN	INCH
KS	KITCHEN SINK
G	GAS
GPM	GALLONS PER MINUTE
LAV	LAVATORY
MAX	MAXIMUM
MIN	MINIMUM
N	NEW
PH	PHASE
PRV	PRESSURE REDUCING VALVE
SH	SHOWER
TEMP	TEMPERATURE
TMV	THERMOSTATIC MIXING VALVE
TYP	TYPICAL
W	WASTE
WC	WATER CLOSET
WCO	WALL CLEANOUT
WM	WASHING MACHINE

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

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DELEON RESIDENCE
732 EAST BROADWAY
MILFORD, CT

MECHANICAL &
PLUMBING GENERAL
NOTES

DTC PROJECT NUMBER: 13-449-015

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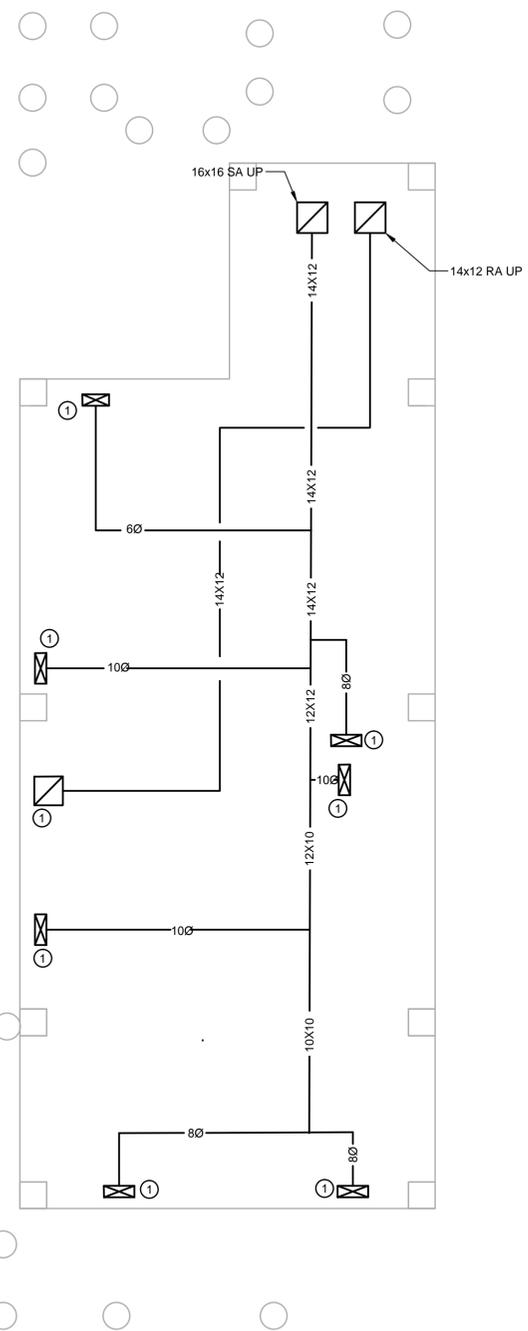
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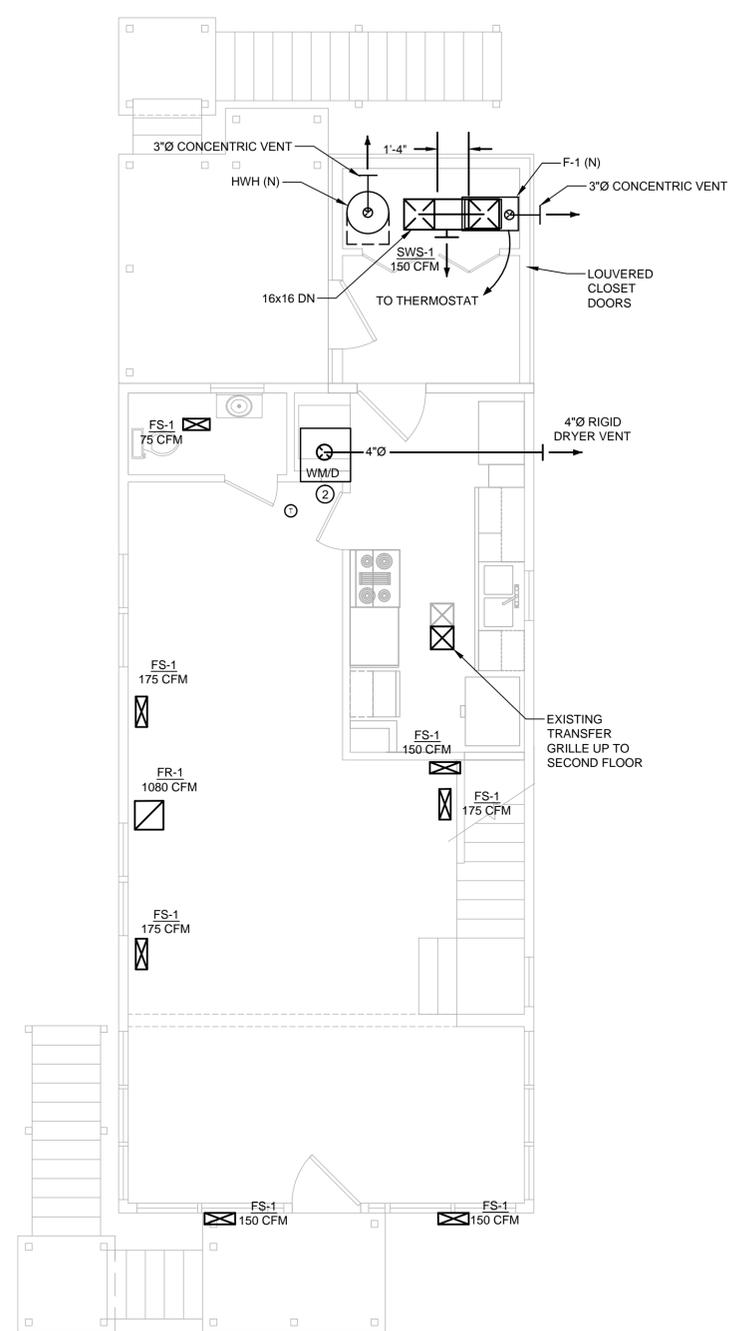
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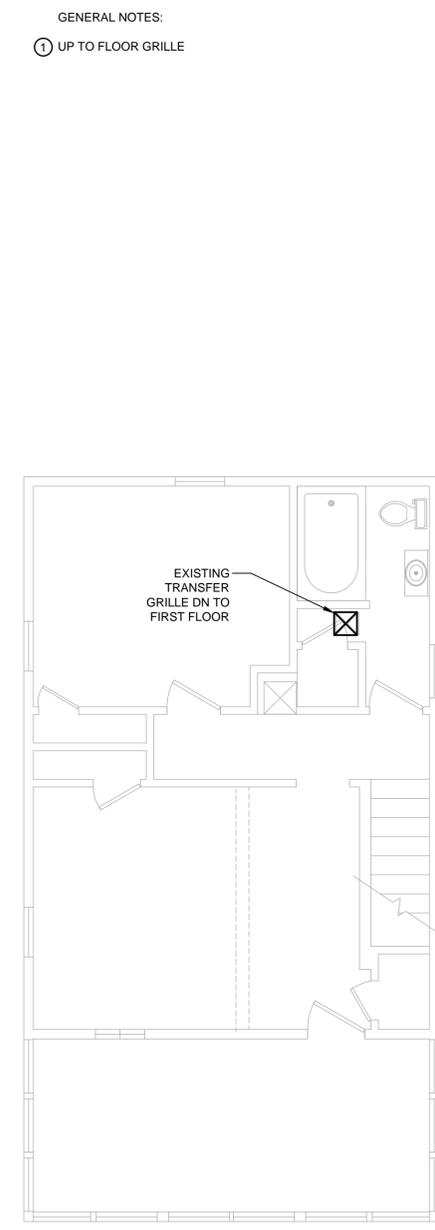
MP-001



1 GROUND FLOOR PLAN
 SCALE: 1/4" = 1'-0"
 0 4' 8' 16'



2 FIRST FLOOR PLAN
 SCALE: 1/4" = 1'-0"
 0 4' 8' 16'

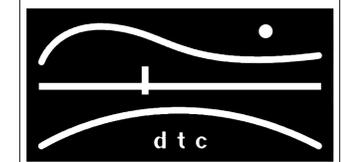


3 SECOND FLOOR PLAN
 SCALE: 1/4" = 1'-0"
 0 4' 8' 16'

GENERAL NOTES:
 ① UP TO FLOOR GRILLE

NOTES:

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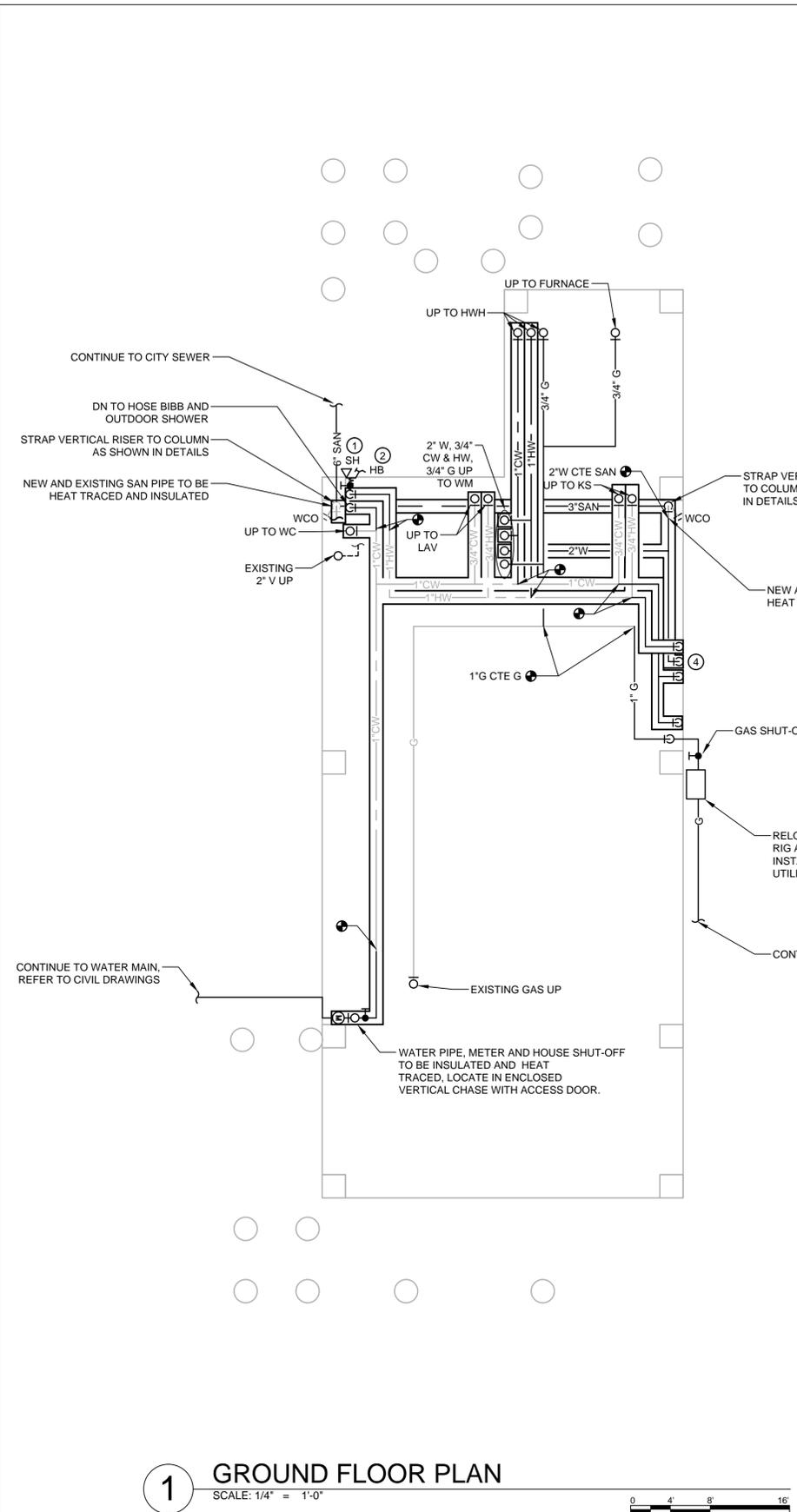
DIVERSIFIED TECHNOLOGY CONSULTANTS
 2321 WHITNEY AVE. HAMDEN CT 06518
 203 239 4200 203 234 7376 FAX

OORR
 APPLICATION NO. 1095
 DELEON RESIDENCE
 732 EAST BROADWAY
 MILFORD, CT

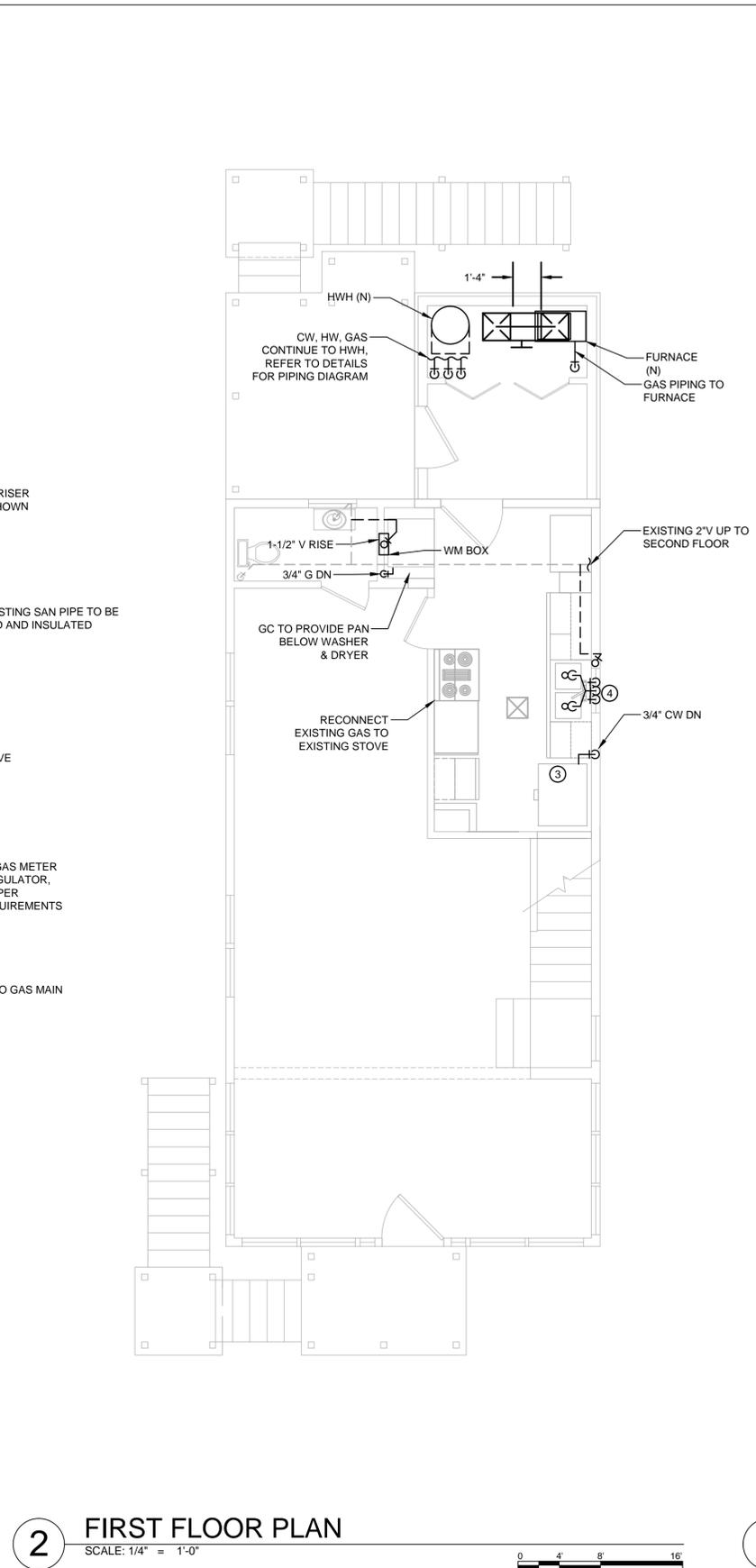
MECHANICAL GROUND,
 FIRST & SECOND FLOOR
 PLANS

DTC PROJECT NUMBER: 13-449-015
 DTC DRAWING FILE:
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 DATE: 1/23/2015 CHECKED BY: RCN

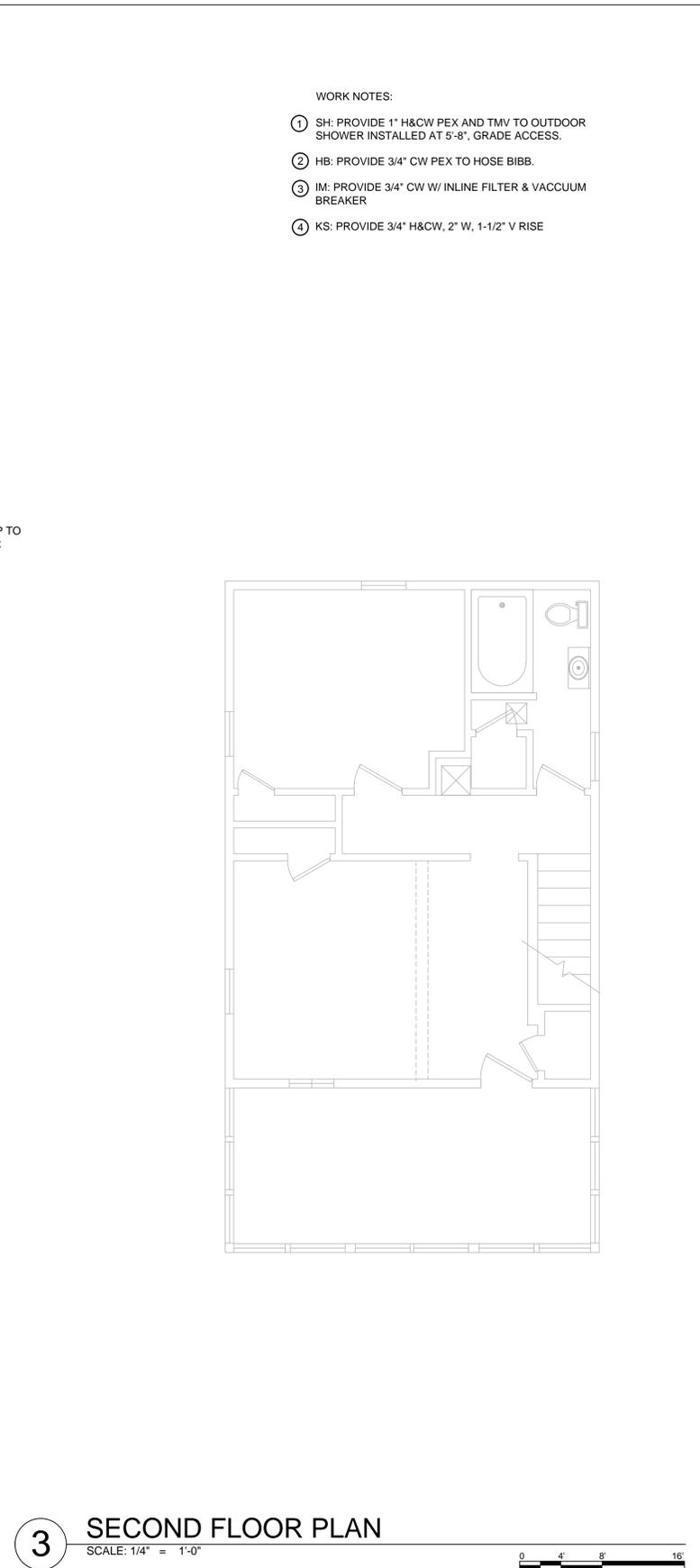
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M-100



1 GROUND FLOOR PLAN
SCALE: 1/4" = 1'-0"
0 4' 8' 16'



2 FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"
0 4' 8' 16'

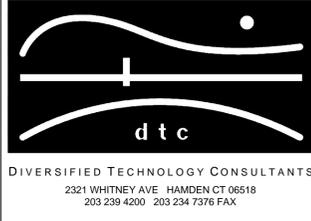


3 SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0"
0 4' 8' 16'

- WORK NOTES:
- ① SH: PROVIDE 1" H&CW PEX AND TMV TO OUTDOOR SHOWER INSTALLED AT 5'-8", GRADE ACCESS.
 - ② HB: PROVIDE 3/4" CW PEX TO HOSE BIBB.
 - ③ IM: PROVIDE 3/4" CW W/ INLINE FILTER & VACCUUM BREAKER
 - ④ KS: PROVIDE 3/4" H&CW, 2" W, 1-1/2" V RISE

NOTES:

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OOR
APPLICATION NO. 1095
DELEON RESIDENCE
732 EAST BROADWAY
MILFORD, CT

PLUMBING GROUND,
FIRST & SECOND FLOOR
PLANS

DTC PROJECT NUMBER: 13-449-015	
DTC DRAWING FILE:	
SCALE: 1/4"=1.0	DRAWN BY: RWF
DATE: 1/23/2015	CHECKED BY: RCN
SHEET:	

P-100

DOMESTIC HOT WATER HEATER SCHEDULE

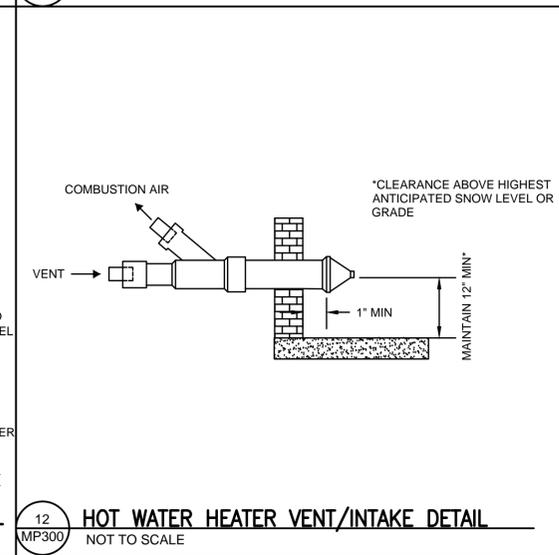
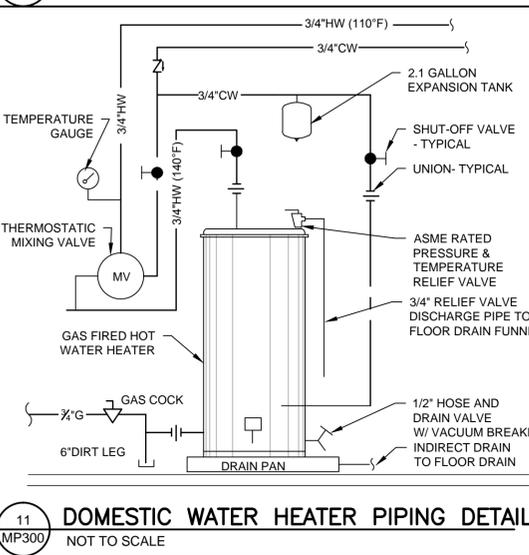
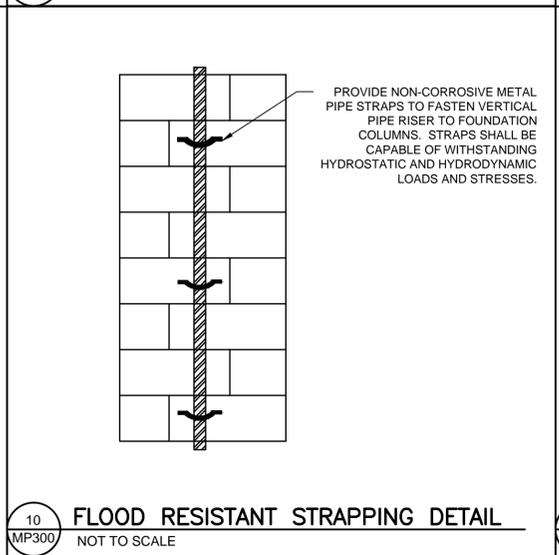
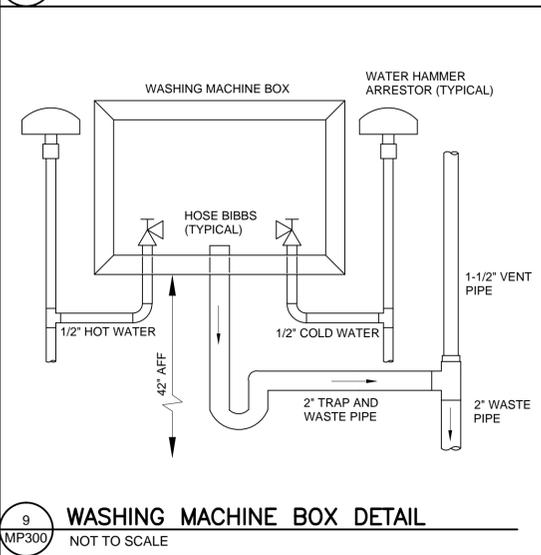
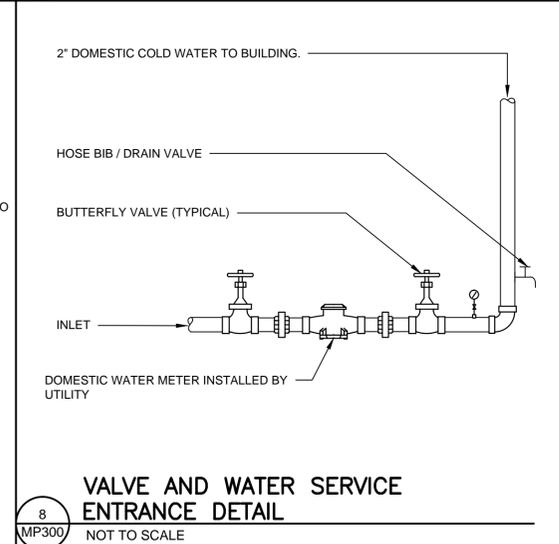
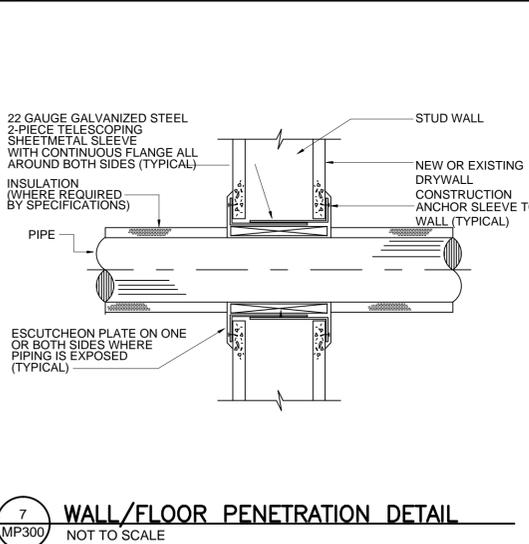
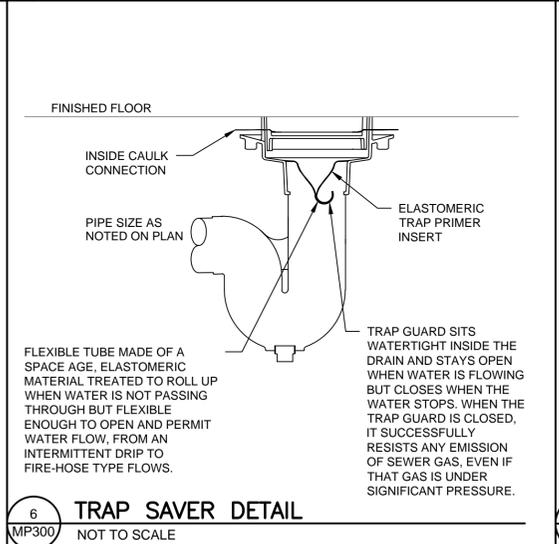
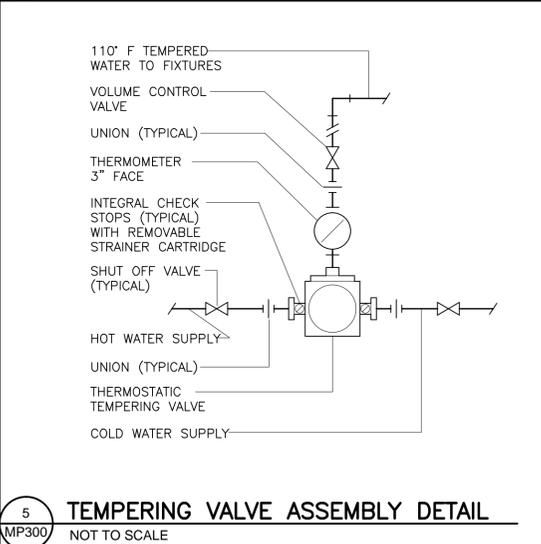
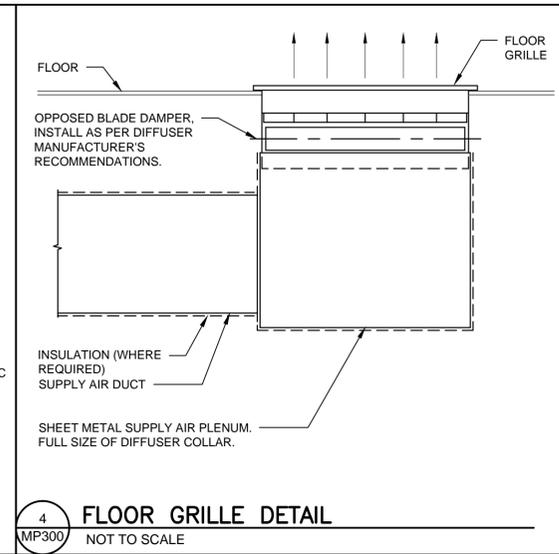
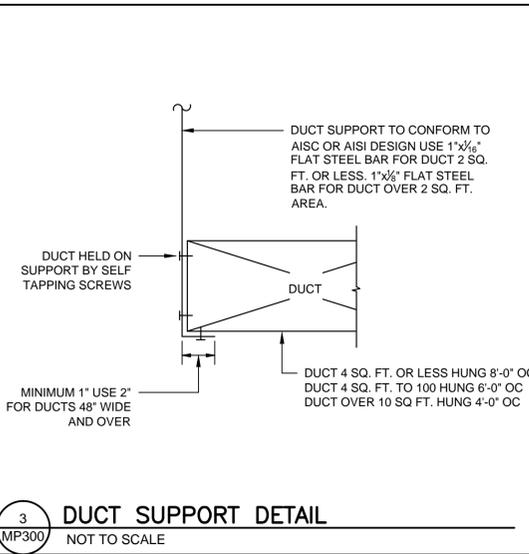
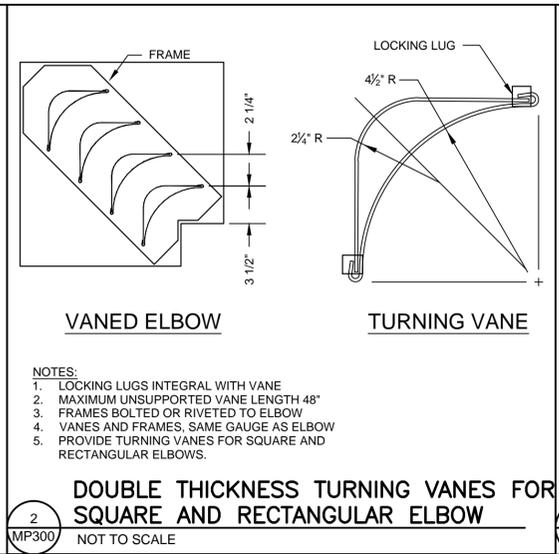
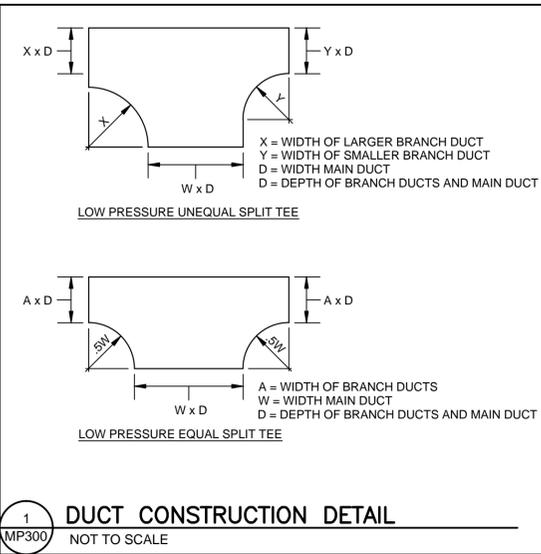
MARK	MFR	MODEL	FUEL TYPE	INPUT (BTU/H)	OUTPUT 1ST HOUR (GPH)	OUTPUT CONTINUOUS (GPH)	WATER TEMP. RISE (°F)	WATER PRESSURE (PSI)	GAS CONSUMPTION (CFH)	GAS PRESSURE MIN/MAX (IN. WC)	VENT/INTAKE	WEIGHT	REMARKS
HWH	AO SMITH	GPD-40	NATURAL GAS	40,000	70	41	75	50-60	40	5"/10.5"	3"/3"	224	INCLUDE HORIZONTAL VENT TERMINATION KIT

NOTES: 1. DISCONNECTS AND STARTERS BY DIVISION 26.
2. CONCENTRIC VENT TERMINATION KIT AS PER MANUFACTURER.

FURNACE SCHEDULE

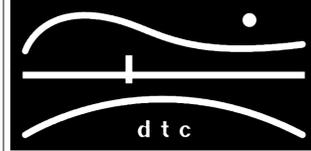
UNIT	MFR	MODEL	CAPACITY (BTU/H)	AIRFLOW (CFM)	ESP (IN WG)	EAT DB/WB (F)	LAT DB/WB (F)	MAX/MIN GAS INLET PRESSURE (IN WC)	ELECTRICAL		CONFIGURATION	WEIGHT (LBS)	REMARKS
									VOLTAGE/PH/HZ	MIN CA			
F-1	CARRIER	59SP2A 080-16	80,000	1200	0.5	80/67	58/57	13.6/4.5	115/60/1	7.1	UPFLOW	142	

NOTES: 1. DISCONNECTS AND STARTERS BY DIVISION 26.
2. CONCENTRIC VENT TERMINATION KIT AS PER MANUFACTURER.



NOTES:

REVISIONS



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

OORR
APPLICATION NO. 1095
DELEON RESIDENCE
732 EAST BROADWAY
MILFORD, CT

MECHANICAL &
PLUMBING
SCHEDULES & DETAILS

DTC PROJECT NUMBER: 13-449-015
DTC DRAWING FILE:
SCALE: 1/4=1.0 DRAWN BY: RWF
DATE: 1/23/2015 CHECKED BY: RCN

SHEET:
MP-300

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.
TMV	LAWLER	SERIES 66	THERMOSTATIC MIXING VALVE- WATER HEATERS, 1" INLETS, 1-1/4" OUTLET.
-	RAYCHEM	8XL1	120V, 1 Ø, 60 HZ, 8W/FT WITH A MAXIMUM LENGTH OF 115 FT, MAXIMUM OPERATING TEMP OF 150F.
WSH	SYMMONS	W-602-X	LAUDRY-MATE AUTOMATIC WASHING MACHINE VALVE WITH SUPPLY & DRAIN FIXTURE, 1/2" SWEAT UNION ELL CONNECTIONS & 2" DRAIN CONNECTIONS. FURNISH & INSTALL DRAIN PANS UNDER WASHER.
SH	SYMMONS	131SH-RP	2.0 GPM CHROME PLATED SHOWER HEAD, INCLUDE SHOWER ARM AND NECESSARY FITTINGS FOR COMPLETE INSTALLATION.
PRV	WATTS	LF25AUB-Z3	PRESSURE REDUCING VALVE WITH EPDM DIAPHRAGM, BRONZE BODY AND INTEGRAL STAINLESS STEEL STRAINER.

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"																																
	F-2981	-	-	2"-10"																																
CHECK VALVES	F-2974	-	-	2"-12"																																
	2974	-	-	2"-12"																																
	510T	-	-	1/4"-2"																																
	1509	-	-	3/8"-3"																																
PLUG VALVES	-	611	-	1/2"-6"																																
	-	611	-	1"-4"																																
	-	612	-	1"-8"																																
PRESSURE REDUCING VALVES	-	-	LF25AUB	1/2"-2"																																
	-	-	-	-																																

MATERIAL SCHEDULE

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

DIFFUSER, GRILLE, AND REGISTER SCHEDULE

TYPE	MANUFACTURER	MODEL	NECK SIZE (INCH)	FACE SIZE (INCH)	MAXIMUM AIRFLOW (CFM)	MAX NC	DESCRIPTION	REMARKS
SWS-1	HART & COOLEY	631	-	6x10	250	20	SIDEWALL SUPPLY GRILLE	NOTE 1,2
FS-1	HART & COOLEY	ROYAIRE	6X14	6X14	270	20	FLOOR MOUNTED SUPPLY GRILLE	NOTE 1,2
FR-1	HART & COOLEY	265	16x16	16x16	1410	20	FLOOR MOUNTED RETURN GRILLE	NOTE 1,2
TG-1	HART & COOLEY	265	6X14	6X14	205	20	TRANSFER GRILLE	NOTE 2

DIFFUSER, GRILLE, AND REGISTER SCHEDULE REMARKS:

NOTE 1. PROVIDE OPPOSED BLADE DAMPER
NOTE 2. 3/4" LOUVER SPACING, 0° LOUVER ANGLE

DIFFUSER, GRILLE, AND REGISTER SCHEDULE GENERAL COMMENTS:

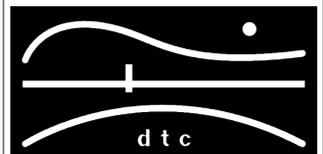
- DIFFUSER, REGISTER, GRILLE, OPPOSE BLADE DAMPER AND ASSOCIATED FRAME SHALL BE SOLID ALUMINUM CONSTRUCTION.
- COLOR BY ARCHITECT
- REFER TO ARCHITECTURAL DRAWINGS FOR WALL/CEILING TYPE. PROVIDE MOUNTING ACCESSORIES AS REQUIRED FOR CEILING APPLICATION
- APPROXIMATE FACE SIZE NOTED. REFER TO SPECIFIC BORDER / FRAME TYPE FOR ACTUAL FACE SIZE

FIXTURE CONNECTION SCHEDULE

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

NOTES:

REVISIONS



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**MECHANICAL &
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& DETAILS**

DTC PROJECT NUMBER: 13-449-015

DTC DRAWING FILE:

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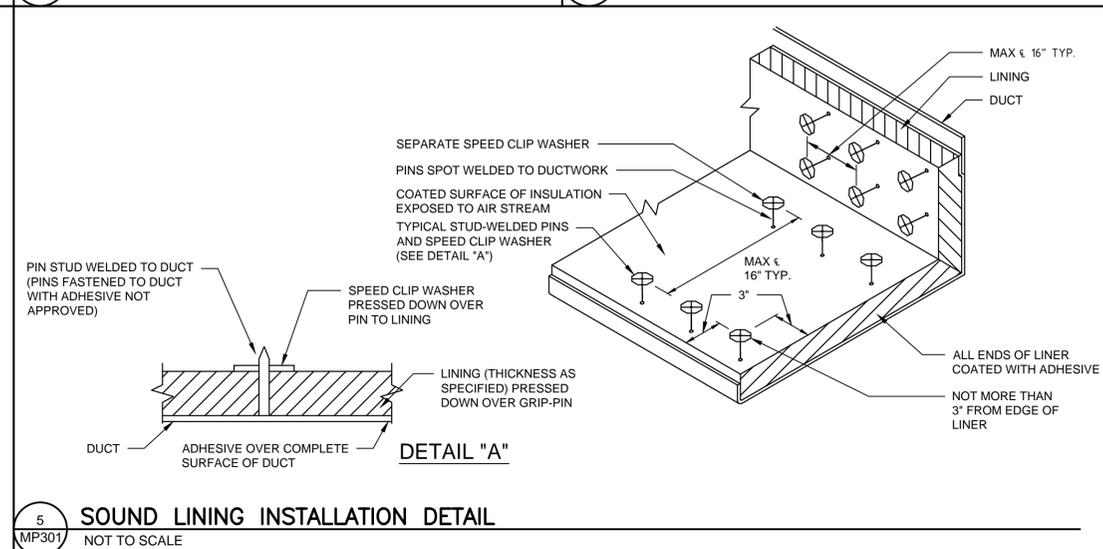
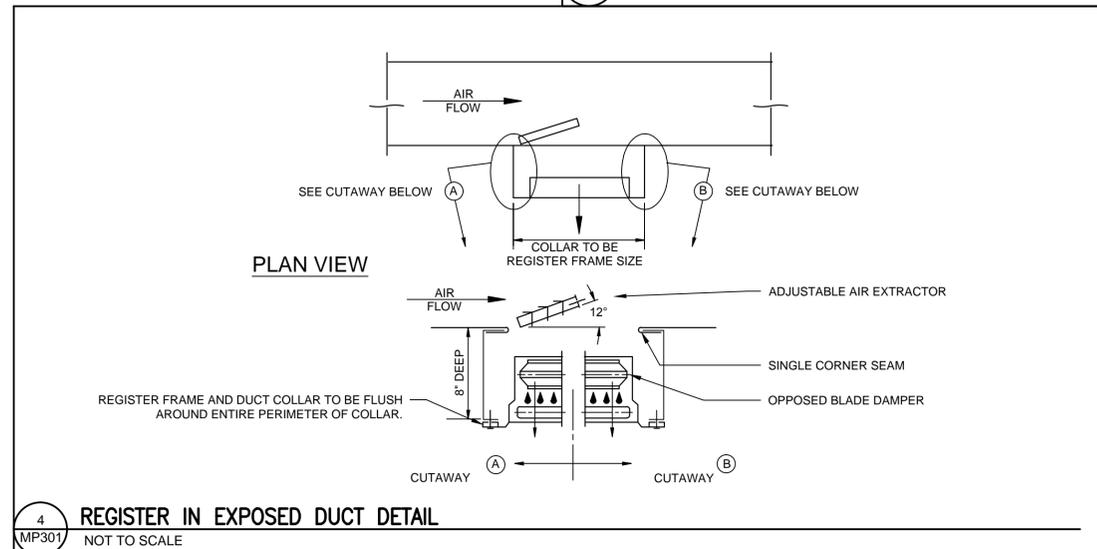
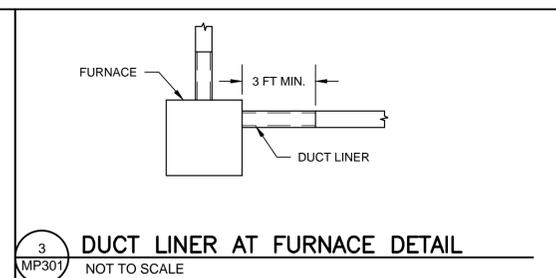
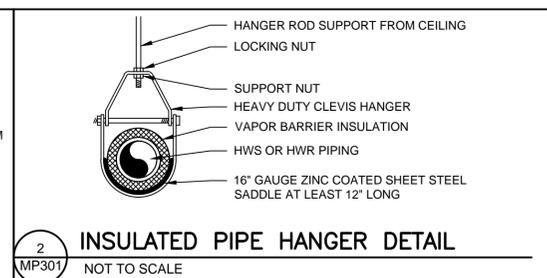
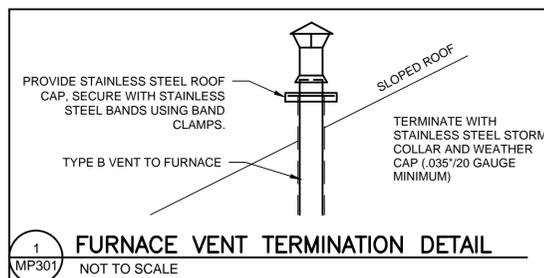
DRAWN BY: RWF

DATE: 1/23/2015

CHECKED BY: RCN

SHEET:

MP-301



ELECTRICAL LEGEND

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

ELECTRICAL ABBREVIATIONS

ABBREVIATIONS	DESCRIPTION
A	AMPERES
AC	ARMOR CLAD
AHJ	AUTHORITY HAVING JURISDICTION
AFF	ABOVE FINISHED FLOOR
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CFL	COMPACT FLUORESCENT
CO	CARBON MONOXIDE
CU	COPPER
DR	DRYER
DW	DISHWASHER
DWG	DRAWING
ER	EXISTING RELOCATED
EX	EXISTING TO REMAIN
FLA	FULL LOAD AMPS
GFI	GROUND-FAULT CIRCUIT-INTERRUPTER
HP	HORSEPOWER
J	JUNCTION
KV	KILOVOLT AMPERE
KVA	KILOVOLT AMPERE
LED	LIGHT EMITTING DIODE
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
PH	PHASE
PVC	POLYVINYL CHLORIDE
REF	REFRIGERATOR
S	SMOKE DETECTOR
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 INTERFERENCE'S AND CONDITIONS, VISIBLE AND/OR HIDDEN, THAT MAY EXIST; THUS REQUIRING THE CONTRACTOR TO INSPECT AND SURVEY THE SPACE BEFORE PERFORMING THE WORK.
 - COORDINATE ELECTRICAL WORK WITH OWNER.
 - COORDINATE ELECTRICAL WORK WITH OTHER DIVISIONS OF THIS PROJECT.
 - BEFORE SELECTING MATERIAL AND EQUIPMENT, AND PROCEEDING WITH WORK, INSPECT AREAS WHERE MATERIAL AND EQUIPMENT ARE TO BE INSTALLED TO INSURE SUITABILITY, AND CHECK NEEDED SPACE FOR PLACEMENT, CLEARANCES AND INTERCONNECTIONS.
 - BEFORE CUTTING OR DRILLING INTO BUILDING ELEMENTS INSPECT AND LAYOUT WORK TO AVOID DAMAGING STRUCTURAL ELEMENTS AND BUILDING UTILITIES.
 - ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC) ANS/NFPA 70 2011 EDITION.
 - TYPICAL MOUNTING HEIGHTS OF DEVICES SHALL COMPLY NECA 1-2010.
 - PENETRATIONS THROUGH GROUND SLAB SHALL BE SEALED WITH POLYURETHANE SEALANT TYPICAL FOR ALL PENETRATIONS.
 - FURNISH AND INSTALL MEANS OF DISCONNECTION FOR ALL MOTORIZED EQUIPMENT AND APPLIANCES IN ACCORDANCE WITH NEC.

DRAWING LIST

SHEET	NAME
E-001	ELECTRICAL GENERAL NOTES, LEGENDS AND ABBREVIATIONS
E-100	ELECTRICAL GROUND, FIRST & SECOND FLOOR PLANS

MOTOR CIRCUIT SCHEDULE

EQUIPMENT	SOURCE PANEL	OCP DEVICE	BRANCH CIRCUIT	DISC SW	STARTER	LOAD					REMARKS
						HP/KW	FLA	MCA	PH	VOLT	
F-1	EXIST. FURNACE CKT	15A-1P	7,RP	STOL	DIV. 23			7.1A	1	120V	1,2,3,4
HWH	EXIST. HWH CKT	15A-1P	EXIST. WIRING	STOL	DIV. 23				1	120V	1,2,3,4

- NOTES**
- PROVIDE STOL -THERMAL OVERLOAD SWITCH. STOL SHALL BE NEMA 1 RATED.
 - OVERCURRENT PROTECTIVE DEVICE SHALL BE MOLDED CASE CIRCUIT BREAKER U.O.N.
 - REFER TO ELECTRICAL AND MECHANICAL PLANS FOR EQUIPMENT LOCATIONS. STARTERS AND DISCONNECTS BY DIV 26 U.O.N.
 - UNIT SHALL BE WIRED WITH NM CABLE (ROMEX)

LIGHT FIXTURE SCHEDULE

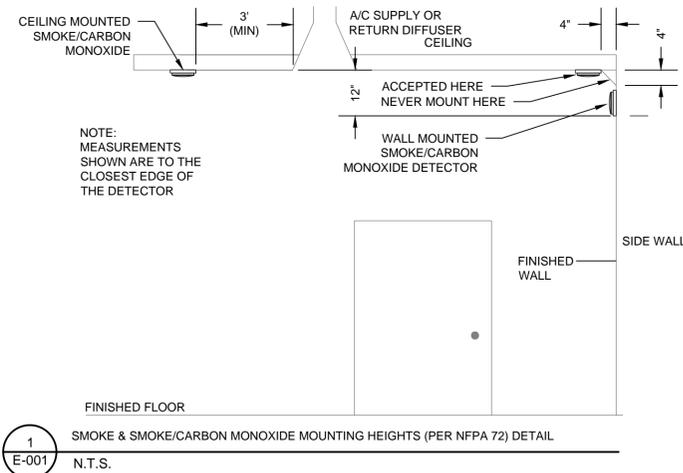
TYPE	BASE OF DESIGN	DESCRIPTION	VOLTAGE	LAMPS	REMARKS
A	COLUMBIA LIGHTING LXEM-4-35ML-RFA-EU	SURFACE MOUNTED LIGHTING FIXTURE, WET LOCATION LISTED, ENERGY STAR RATED AND RESISTANT TO SALT SPARY	120V	53W LED	1,2,3,4
B	LITHONIA LIGHTING 3260RE	ENERGY STAR RATED 2' LINEAR FLUORESCENT FIXTURE WITH DURABLE, WHITE ACRYLIC DIFFUSER AND RESIDENTIAL GRADE ELECTRONIC BALLAST	120V	(2) 32W T8	1,2,3,4
C	COMMERCIAL ELECTRIC HU18011L-2	ENERGY STAR RATED LED SURFACE MOUNTED LIGHTING FIXTURE WITH BRUSHED NICKEL FINISH AND FROSTED GLASS SHADE.	120V	17W LED	1,2,3,4
D	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

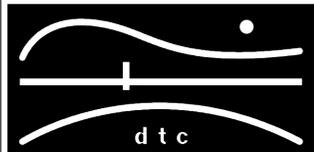
INDOOR BRANCH CIRCUITS	CIRCUIT OR OVERCURRENT RATING 2 POLE	OUTDOOR BRANCH CIRCUITS	CIRCUIT OR OVERCURRENT RATING 2 POLE	SIZE CONDUIT
2#14&1#14G.	15A	2#12&1#12G.	15A	3/4"
2#12&1#12G.	20A	2#12&1#12G.	20A	3/4"
2#10&1#10G.	30A	2#10&1#10G.	30A	3/4"
2#8&1#10G.	40A	2#8&1#10G.	40A	3/4"
SERVICE		3#1&1#6G.	100A	1-1/2"

- NOTES**
- ALL BRANCH CIRCUIT USED INDOORS SHALL BE WIRED WITH NONMETALLIC SHEATHED CABLE (ROMEX), U.O.N.



NOTES:

REVISIONS



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

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**ELECTRICAL GENERAL
NOTES, LEGENDS &
ABBREVIATIONS**

DTC PROJECT NUMBER: 13-449-015

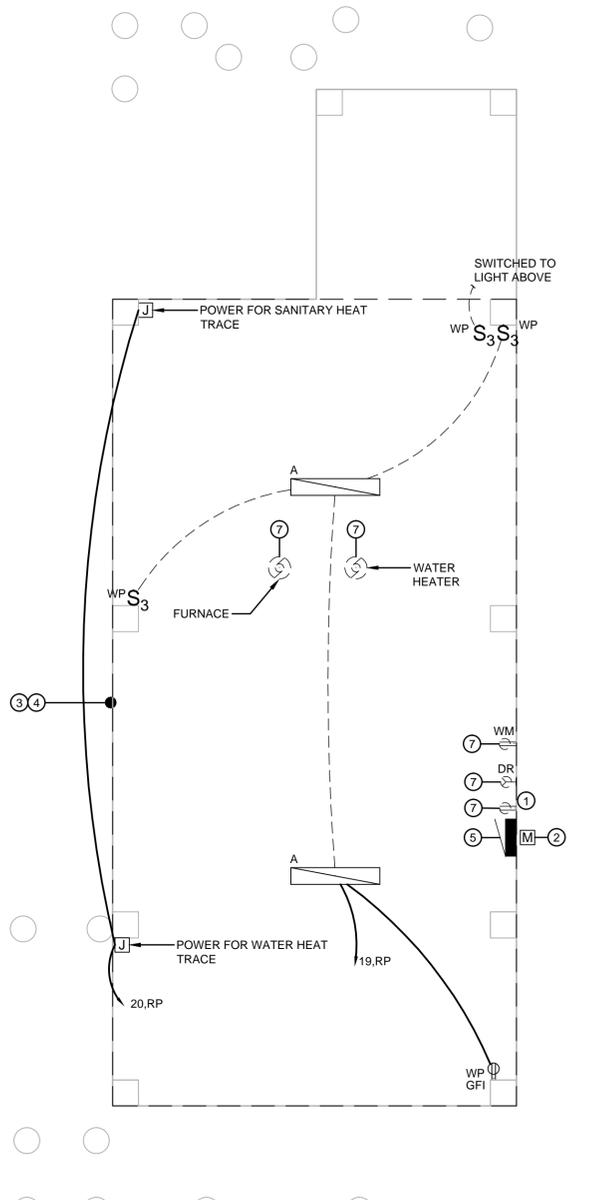
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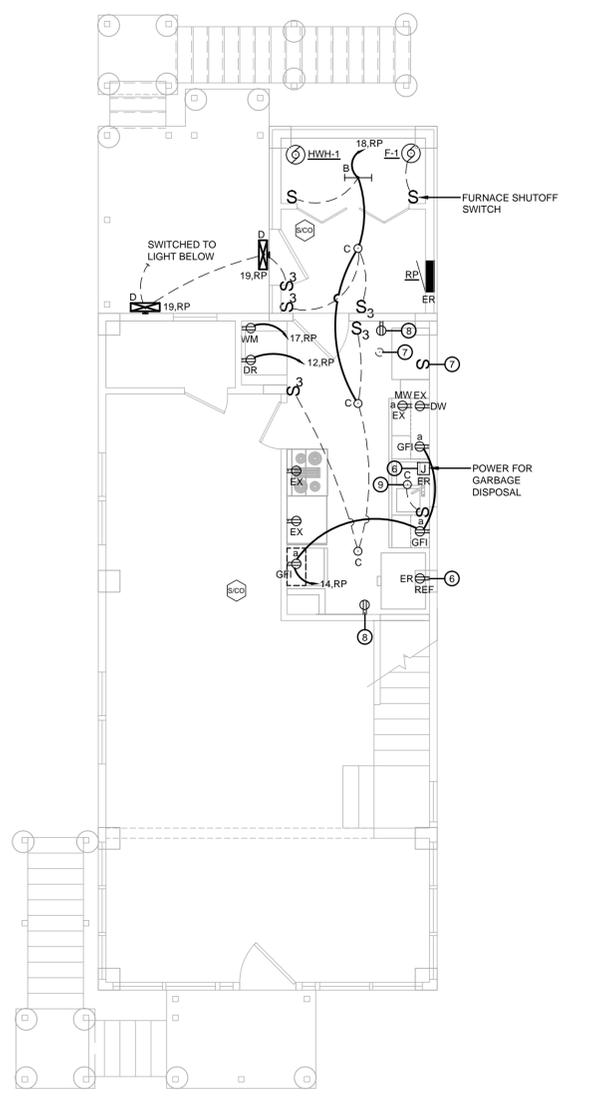
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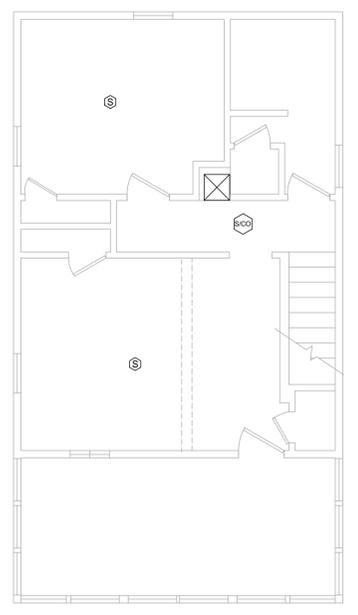
E-001



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



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



3 SECOND FLOOR PLAN
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 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 100 AMP RATED SERVICE ENTRANCE WIRING FROM METER TO NEW PANEL LOCATION.
- ALL LIGHTING FIXTURES AND SWITCHES IN EXISTING BASEMENT SHALL BE REMOVED U.O.N. EXISTING CABLING SHALL BE REMOVED BACK TO PANELBOARD.
- PVC CONDUIT AND WIRING SHALL BE USED FOR ALL DEVICES LOCATED ON THE GROUND FLOOR.
- EXISTING PANELBOARD TO BE REMOVED AND RELOCATED. EXISTING FEEDER AND BRANCH CIRCUITS TO BE EXTENDED TO NEW PANELBOARD LOCATION.
- EXISTING RELOCATED DEVICE. EXTEND CABLING AS REQUIRED.
- REMOVE EXISTING DEVICE BACKBOX AND ALL ASSOCIATED WIRING BACK TO PANELBOARD.
- EXISTING KITCHEN RECEPTACLE TO BE RELOCATED TO 20" AFF.
- REPLACE EXISTING LIGHTING FIXTURE IN THIS LOCATION WITH NEW. FIXTURE SHALL BE SWITCHED WITH ABOVE COUNTER SWITCH AS SHOWN.

PANELBOARD RP (EXIST.)

CLASS: ● Lighting ○ Distribution
 BUS SIZE: 100A
 VOLTAGE CLASS: 240/120V, 1 Ø .3W
 SCR (FULLY RATED): 22 KAIC

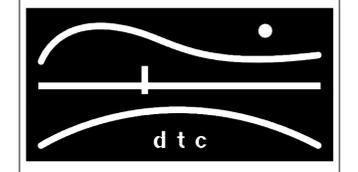
WIRING NO MOUNTING RECESSED
 CB TYPE 100A
 FEEDER ENTRANCE TOP LOCATION MECH CLOSET

#	A	P	DESCRIPTION	PHASE LOAD - KVA			DESCRIPTION	A	P	#
				LOAD	A	B				
1	40	2	EXIST. OVENS	-	-	-	EXIST. HOOD FAN	20	1	2
3	-	-	-	-	-	-	EXIST. RECPTS	20	1	4
5	15	1	EXIST. KITCHEN RECPTS	-	-	-	EXIST. LTG	15	1	6
7	15	1	EXIST. FURNACE	-	-	-	EXIST. SUMP PUMP & RECPTS	20	1	8
9	15	1	EXIST. POWER SHED	-	-	-	EXIST. RECPTS	20	1	10
11	15	1	EXIST. REFRIG & RECPTS	-	-	0.18	DRYER	20	1	12
13	20	1	EXIST. KITCHEN RECPTS	-	0.72	-	KITCHEN RECPTS (1)	20	1	14
15	15	1	EXIST. LOAD	-	-	-	EXIST. RECPTS & LTG	15	1	16
17	20	1	EXIST. WM & DISPOSAL	-	0.26	-	LIGHTING	20	1	18
19	15	1	LTG & RECPTS	0.37	-	0.45	HEAT TRACE	20	1	20
TOTAL ADDITIONAL LOAD PER PHASE:				1.0	0.6					
TOTAL ADDITIONAL LOAD ON PANEL:				1.61	KVA					

NOTES:
 1. PROVIDE NEW 20A 1P CIRCUIT BREAKER.

NOTES:

REVISIONS



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

OORR
 APPLICATION NO. 1095
 DELEON RESIDENCE
 732 EAST BROADWAY
 MILFORD, CT

**ELECTRICAL GROUND,
 FIRST & SECOND FLOOR
 PLANS**

DTC PROJECT NUMBER: 13-449-015

DTC DRAWING FILE:

SCALE: 1/4"=1'-0" DRAWN BY: WM
 DATE: 1/23/2015 CHECKED BY: JP

SHEET:

E-100