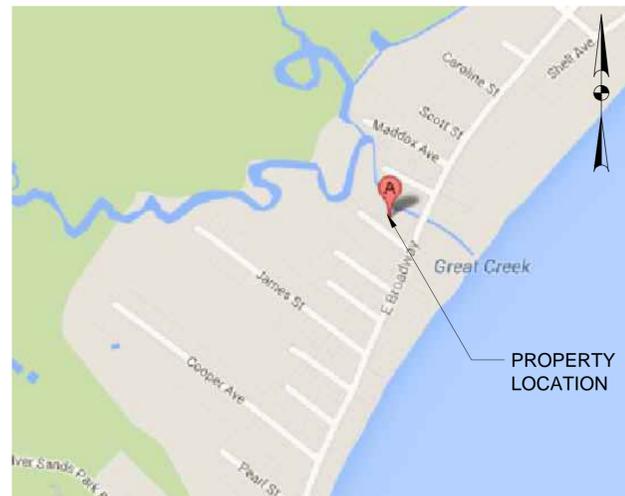


THE STATE OF CONNECTICUT
DEPARTMENT OF HOUSING (DOH)
COMMUNITY DEVELOPMENT BLOCK GRANT-DISASTER RECOVERY PROGRAM
(CDBG-DR)

OWNER-OCCUPIED REHABILITATION AND REBUILDING PROGRAM (OORR)
STORM SANDY RELIEF



PROJECT LOCATION MAP
NTS

GOVERNOR
DANNEL P. MALLOY

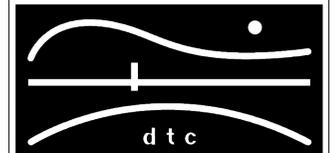
COMMISSIONER OF HOUSING
EVONNE M. KLEIN

APPLICATION NO. 2112
13 BLAIR STREET
MILFORD, CT 06460
1/9/2015

DRAWING INDEX	
SHEET NO.	DRAWING TITLE
G-100	COVER SHEET
C-100	SITE PLANS
C-101	DETAILS & BORING LOGS
S-001	GENERAL NOTES
S-100	FRAMING & FOUNDATION PLANS
S-200	DETAILS
A-100	DEMOLITION, GROUND, & FIRST FLOOR PLANS
A-101	SECTIONS & DETAILS
A-102	SOUTH & NORTH ELEVATIONS
A-103	EAST & WEST ELEVATIONS
M-001	MECHANICAL & PLUMBING GENERAL NOTES
MP-100	MECHANICAL & PLUMBING FOUNDATION PLAN, SCHEDULES & DETAILS
E-001	ELECTRICAL GENERAL NOTES, LEGENDS, ABBREVIATIONS
E-100	ELECTRICAL FOUNDATION, FIRST & SECOND FLOOR PLANS

NOTES:

REVISIONS



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

OORR
APPLICATION NO. 2112
SHAPIRO RESIDENCE
13 BLAIR ST.
MILFORD, CT

COVER SHEET

DTC PROJECT NUMBER: 13-449-024

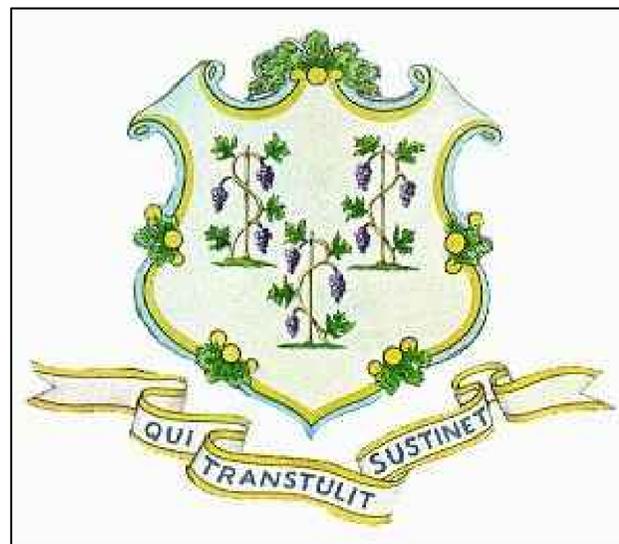
DTC DRAWING FILE:

SCALE: DRAWN BY:

DATE: 1/9/2015 CHECKED BY:

SHEET:

G.100

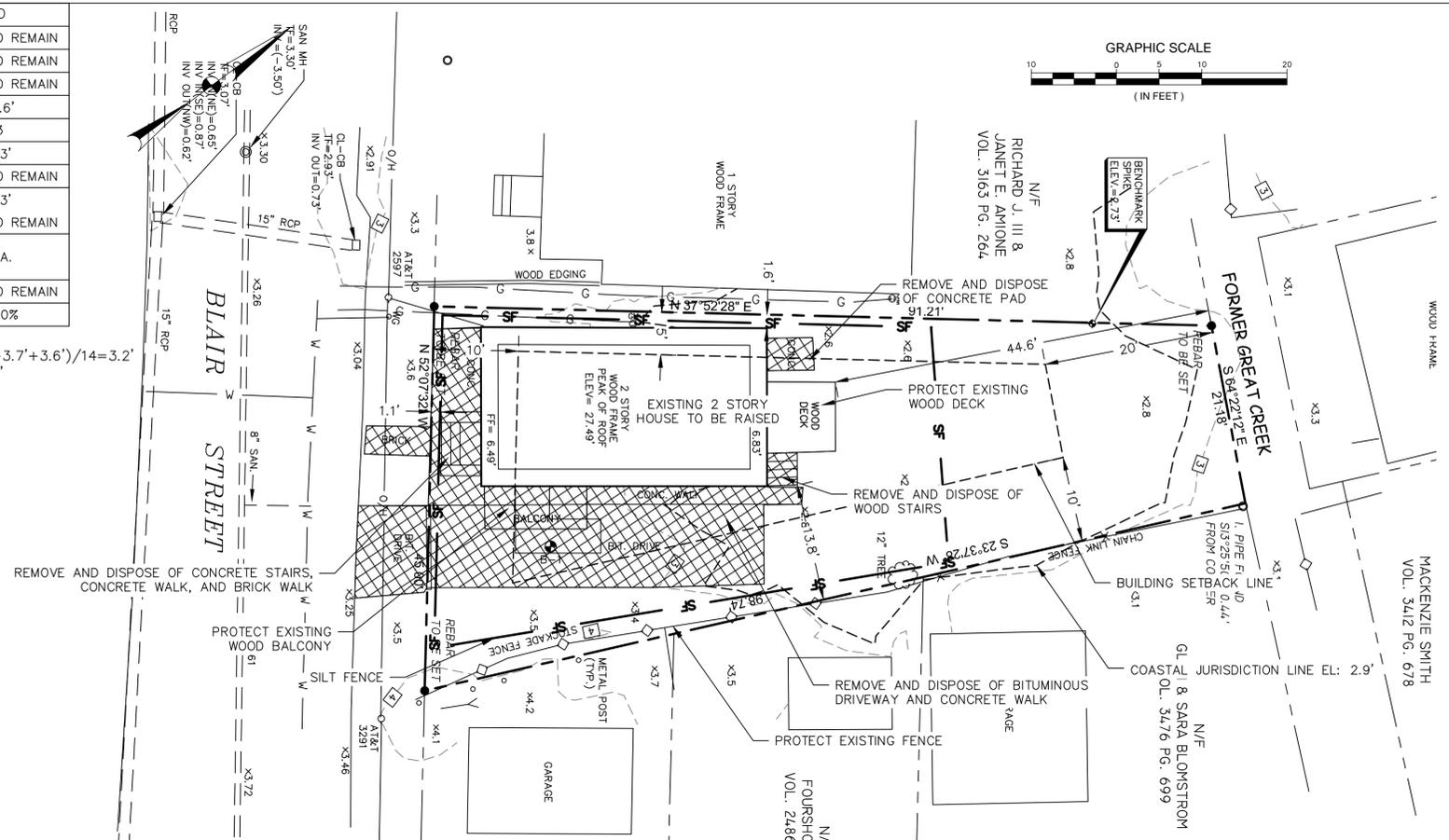


STANDARD	REQUIRED EXISTING	PROPOSED
LOT AREA (S.F.) (MINIMUM)	5,000	3097
LOT WIDTH (MINIMUM)	50'	42.5'
LOT DEPTH (MINIMUM)	70'	95.0'
HEIGHT (MAXIMUM)	35'	21.4'
STORIES (MAXIMUM)	3	2
SETBACK FROM STREET LINE	10'	1.1'
SETBACK FROM REAR LINE	20'	44.6'
SETBACK FROM SIDE LINE ONE SIDE	10'	13.8'
	5'	1.6'
SETBACK FOR A RESIDENTIAL ACCESSORY BUILDING	8'	N.A.
BUILDING AREA AS % LOT	45%	20.1%
LOT COVERAGE (MAXIMUM)	65%	45.8%

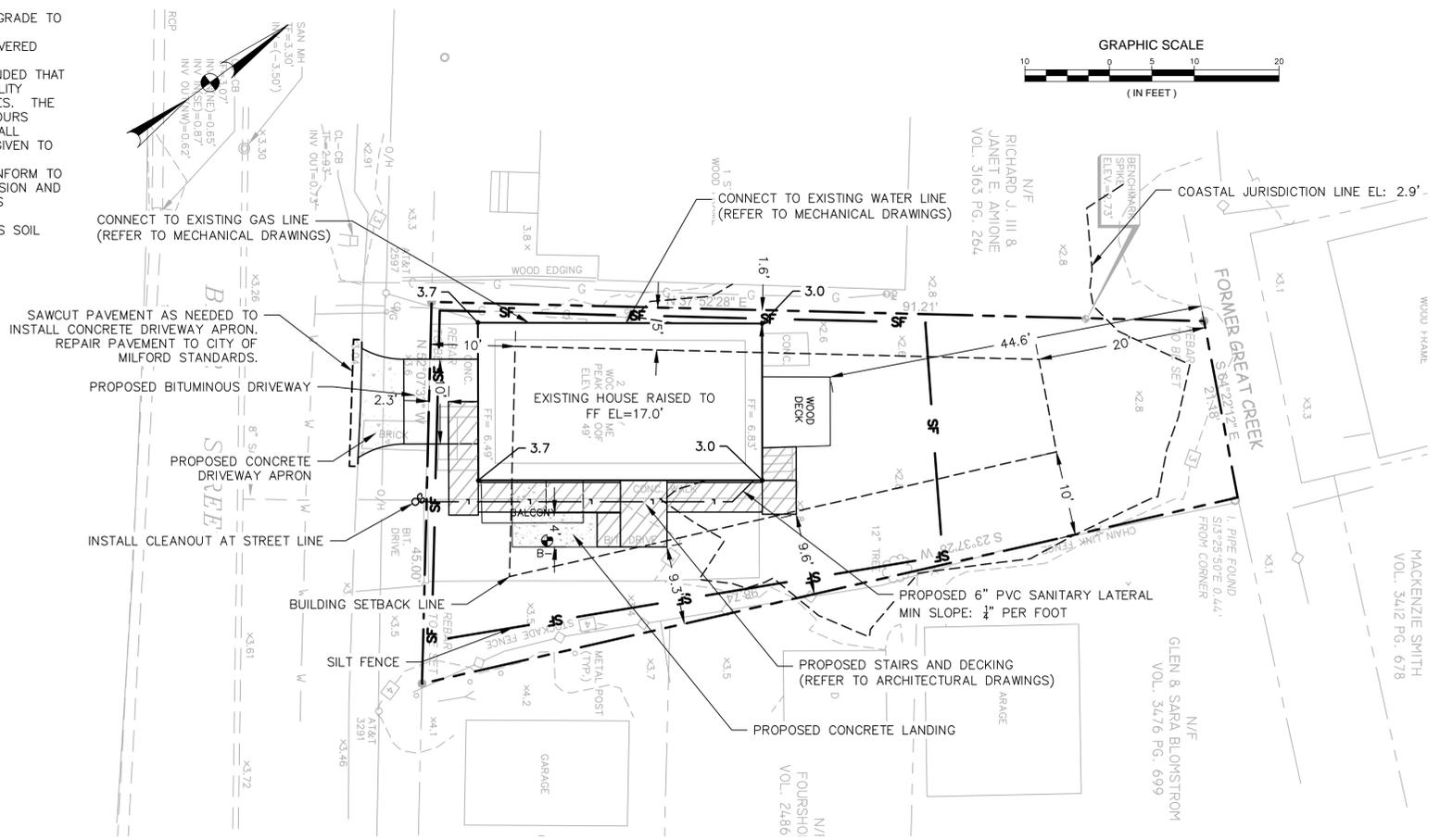
AVERAGE GRADE AT BUILDING = $(3.6' + 3.4' + 3.6' + 3.1' + 2.8' + 2.9' + 2.7' + 2.6' + 2.8' + 2.9' + 2.9' + 3.5' + 3.7' + 3.6') / 14 = 3.2'$
 EXISTING ELEVATION OF BUILDING ROOF AT MID-POINT = 24.6'
 EXISTING BUILDING HEIGHT = 24.6' - 3.2' = 21.4'
 BUILDING TO BE RAISED 10.2'
 PROPOSED BUILDING HEIGHT = 21.4' + 10.2' = 31.6'

NOTES

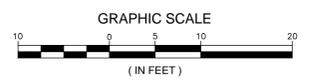
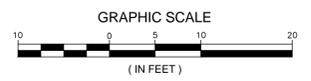
- CONTRACTOR TO SURVEY BUILDING AS IS AND IS RESPONSIBLE FOR ADHERING TO ZONING VARIANCES AND EXISTING NON-CONFORMING SETBACKS AS SHOWN ON THIS SHEET.
- CONTRACTOR TO DEMOLISH EXISTING BITUMINOUS DRIVEWAY, GRADE TO MATCH EXISTING GRADE.
- ALL DISTURBED AREAS NOT TO BE OTHERWISE PAVED OR COVERED SHALL BE LOAM & 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.
- NO STOCKPILING OF SOIL WILL BE ALLOWED ON SITE. EXCESS SOIL MUST BE REMOVED FROM SITE.



DEMOLITION PLAN



SITE PLAN



LEGEND

- Property Line
- Building Setback Line
- Silt Fence
- Chain Link Fence
- Sanitary Lateral
- Stockade Fence
- Item to be Demolished
- Deciduous Tree
- Existing Spot Elevation
- Proposed Spot Elevation
- Test Boring Location

NOTES:

REVISIONS



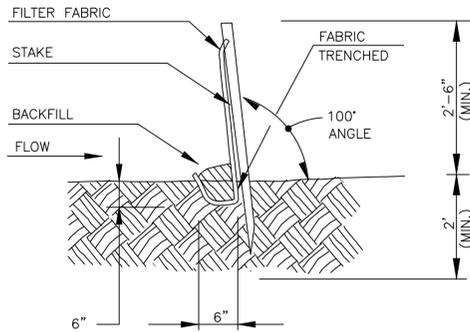
OORR
 APPLICATION NO. 2112
 SHAPIRO RESIDENCE
 13 BLAIR ST.
 MILFORD, CT

SITE PLANS

DTC PROJECT NUMBER: 13-449-024	
DTC DRAWING FILE:	
SCALE: AS NOTED	DRAWN BY: EPZ
DATE: 1/9/2015	CHECKED BY: JAB

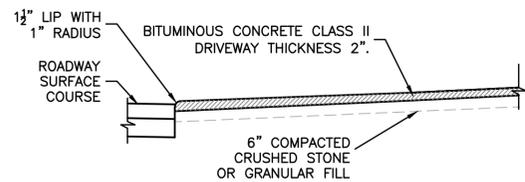
C-100

PLAN BASED ON SURVEY PREPARED BY
 MARTIN SURVEYING ASSOCIATES, LLC
 DATED: 9/13/2014
 SEALED BY: DEAN MARTIN L.S. 70147

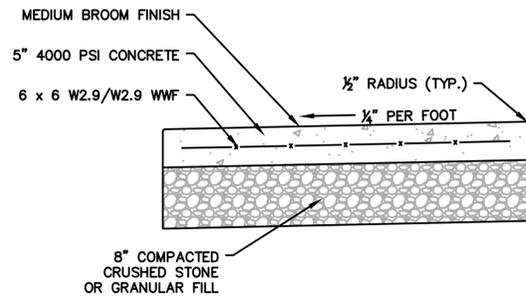


- A. MINIMUM LENGTH OF SILT FENCE IS 15 FT.
- B. MAXIMUM POST SPACING IS 8 FT.
- C. JOINTS ONLY AT SUPPORT POST WITH MINIMUM 2 FT. OVERLAP, SECURELY SEALED.
- D. SEDIMENTATION DEPOSITS SHALL BE REMOVED WHEN THEY REACH 1/2 THE HEIGHT OF THE SILT FENCE.
- E. SILT FENCE SHALL NOT BE USED IN A WATER COURSE.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

1 SILT FENCE DETAIL



2 BITUMINOUS CONCRETE DRIVEWAY

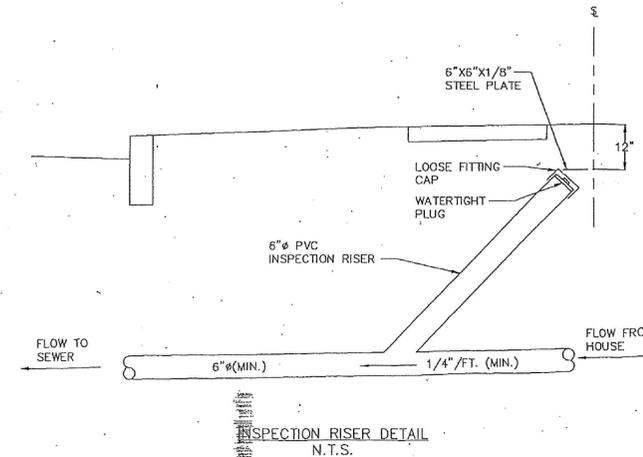


3 CONCRETE LANDING

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 STREETLINE (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.

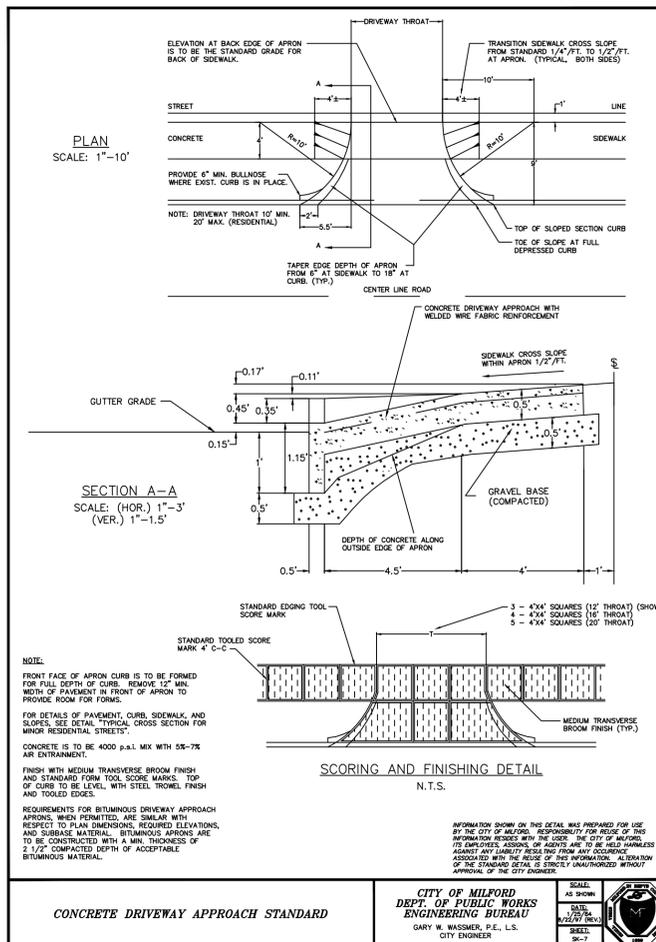


INSPECTION RISER DETAIL
N.T.S.

INFORMATION SHOWN ON THIS DETAIL WAS PREPARED FOR USE BY THE CITY OF MILFORD. RESPONSIBILITY FOR USE OF THIS INFORMATION REMAINS WITH THE USER. THE CITY OF MILFORD ASSUMES NO LIABILITY RESULTING FROM ANY OCCURRENCE ASSOCIATED WITH THE USE OF THIS INFORMATION. ACCEPTANCE OF THE STANDARD DETAIL IS STRICTLY UNAUTHORIZED WITHOUT APPROVAL OF THE CITY ENGINEER.

CLARENCE WELTI ASSOC., INC. P.O. BOX 397 GLASTONBURY, CONN 06033		CLIENT		PROJECT NAME	
DTC		DTC		SHAPIRO RESIDENCE	
13 BLAIR ST. MILFORD, CT.		13 BLAIR ST. MILFORD, CT.		13 BLAIR ST. MILFORD, CT.	
TYPE	HSA	CASING	SS	LINE & STA.	GROUND WATER OBSERVATIONS
SIZE I.D.	3.75"	SAMPLER	1.375"	N. COORDINATE	AT 4.0 FT. AFTER 0 HOURS
HAMMER WT.	140 lbs	CORE BAR	30"	E. COORDINATE	AT FT. AFTER HOURS
HAMMER FALL	30"	OFFSET		FINISH DATE	11/17/14
DEPTH	NO.	BLOWS/6"	DEPTH	STRATUM DESCRIPTION	ELEV.
0	1	1-2-1	0.50'-2.00'	BITUMINOUS GREY FINE SAND, SOME SILT, TRACE ROOTS & GRAVEL	0.8
2	2	2-1-2-1	2.00'-4.00'	GREY/BR. FINE-CRS. SAND, TRACE SILT	2.0
5	3	W-O-H	4.00'-6.00'	DARK BR. ORGANIC SILT, TRACE ROOTS	4.0
10	4	W-O-H	10.00'-11.50'		
15	5	W-O-H	15.00'-16.50'		
20	6	4-4-5	20.00'-21.50'		
25	7	6-8-11	25.00'-26.50'		
30	8	2-3-5	30.00'-31.50'		
35				GREY/BR. SILT	18.0
LEGEND: COL. A:		DRILLER: T. CZMYR		INSPECTOR:	
SAMPLE TYPE: D=DRY A=AUGER C=CORE U=UNDISTURBED PISTON S=SPLIT SPOON		SHEET 1 OF 2		HOLE NO. B-1	
PROPORTIONS USED: TRACE=0-10% LITTLE=10-20% SOME=20-35% AND=35-50%					

CLARENCE WELTI ASSOC., INC. P.O. BOX 397 GLASTONBURY, CONN 06033		CLIENT		PROJECT NAME	
DTC		DTC		SHAPIRO RESIDENCE	
13 BLAIR ST. MILFORD, CT.		13 BLAIR ST. MILFORD, CT.		13 BLAIR ST. MILFORD, CT.	
DEPTH	NO.	BLOWS/6"	DEPTH	STRATUM DESCRIPTION	ELEV.
35	9	2-3-3	35.00'-36.50'	GREY/BR. SILT, LITTLE CLAY	35.0
40	10	2-3-4	40.00'-41.50'		
45	11	60	45.00'-45.17'	WEATHERED ROCK	45.0
				AUGER REFUSAL @ 45.5'	45.5
LEGEND: COL. A:		DRILLER: T. CZMYR		INSPECTOR:	
SAMPLE TYPE: D=DRY A=AUGER C=CORE U=UNDISTURBED PISTON S=SPLIT SPOON		SHEET 2 OF 2		HOLE NO. B-1	
PROPORTIONS USED: TRACE=0-10% LITTLE=10-20% SOME=20-35% AND=35-50%					



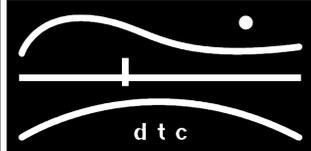
CONCRETE DRIVEWAY APPROACH STANDARD

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



NOTES:

REVISIONS



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

OORR
APPLICATION NO. 2112
SHAPIRO RESIDENCE
13 BLAIR ST.
MILFORD, CT

DETAILS AND
BORING LOGS

DTC PROJECT NUMBER: 13-449-024

DTC DRAWING FILE:

SCALE: AS NOTED

DRAWN BY: EPZ

DATE: 1/9/2015

CHECKED BY: JAB

SHEET:

C-101

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"

- 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 1 G.O.

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 = 5 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 (JUNE 19, 2014) PREPARED BY DR. CLARENCE WELTI P.E. P.C SHALL BE CONSIDERED TO BE REPRESENTATIVE OF THE IN-SITU SUBSURFACE CONDITIONS LIKELY TO BE ENCOUNTERED ON THE PROJECT SITE AND THUS THE BASIS FOR HELICAL MICROPILE DESIGN.
- HELICAL MICROPILES SHALL CONSIST OF A 12" ENCASED GROUT COLUMN 25 FEET BELOW PILE CAP.
 - SEE DETAIL 1 FOR PILE TYPE LIMITS BELOW AND ABOVE GRADE.
- CENTRAL SHAFT PILE TYPE: 1 1/2" SOLID SHAFT OR AS REQUIRED.
 - THE CENTRAL SHAFT SHALL EXTEND FROM THE LEAD SECTION TO THE UNDERSIDE OF THE FOOTING.
- LEAD SECTION HELIX PLATES: 10-12-14 OR AS REQUIRED.
 - TERMINATION: CONSTRUCTION CAP FOR COMPRESSION.
 - REQUIRED FIELD INSTALLATION TORQUE = 5000 FT-LBS

14. GROUT SHALL BE PORTLAND CEMENT CONFORMING TO ASTM C 150 TYPE I OR TYPE II.

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

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

- IT IS RECOMMENDED THAT PRODUCTION TEST PILES BE PERFORMED TO VERIFY THE SUITABILITY AND CAPACITY OF THE PROPOSED HELICAL PILE, AND THE PROPOSED INSTALLATION PROCEDURES PRIOR TO INSTALLATION. THE TEST IS TO EMPIRICALLY VERIFY THE ULTIMATE CAPACITY TO THE AVERAGE INSTALLING TORQUE OF THE HELICAL PILE FOR THE PROJECT SITE. A SIMPLE TEST PROBE PILE IS SUFFICIENT.

- A TORQUE INDICATOR SHALL BE USED DURING HELICAL MICROPILE INSTALLATION AND SHALL BE CAPABLE OF PROVIDING CONTINUOUS MEASUREMENT OF APPLIED TORQUE THROUGHOUT THE INSTALLATION.

- TORQUE INDICATORS SHALL BE CALIBRATED EITHER ON-SITE OR AT AN APPROPRIATELY EQUIPPED TEST FACILITY AND RE-CALIBRATED, IF IN THE OPINION OF THE OWNER AND/OR CONTRACTOR REASONABLE DOUBT EXISTS AS TO THE ACCURACY OF THE TORQUE MEASUREMENTS.

- IF THE MINIMUM INSTALLATION TORQUE AS SHOWN ON THE WORKING DRAWINGS IS NOT ACHIEVED AT THE MINIMUM OVERALL LENGTH, THE CONTRACTOR SHALL INSTALL THE HELICAL MICROPILE DEEPER. ADD MORE OR LARGER HELIX PLATES, DE-RATE THE LOAD CAPACITY OF THE HELICAL PILE AND/OR INSTALL ADDITIONAL PILE(S) AT THE DISCRETION OF THE ENGINEER AND/OR OWNER.

SLAB ON GRADE

- CONTROL JOINTS ARE TO BE CREATED IN SLABS ON GRADE. JOINTS SHALL BE SAW CUT 1/8" WIDE AND TO A DEPTH EQUAL TO 1/4 OF THE SLAB THICKNESS. LOCATE JOINTS 15'-0" ON CENTER (PLUS OR MINUS 5'-0") IN EACH DIRECTION, UNLESS OTHERWISE SHOWN ON DRAWINGS. CONSTRUCTION JOINTS AS REQUIRED SHALL BE 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

- 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 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 KEYS IN CONCRETE WALLS SHALL BE 2 X 4 UNLESS NOTED OTHERWISE.
- CONCRETE PIERS: PLACE CONCRETE PIERS AND WALLS TOGETHER. SET PIER REINFORCING AND SET WALL REINFORCING THROUGH PIER VERTICAL BARS. PROVIDE DOWELS WITH STANDARD HOOK FROM FOOTING AT ALL PIERS. SIZE AND QUANTITY OF DOWELS TO MATCH VERTICAL PIER REINFORCING (CLASS "B" SPLICE).
- ALL CONCRETE TO REMAIN EXPOSED TO VIEW SHALL RECEIVE A SMOOTH RUBBED FINISH (SEE SPECIFICATIONS).
- ALL CONCRETE CORNERS WITH BOTH SIDES EXPOSED TO VIEW SHALL BE SQUARE UNLESS OTHERWISE SHOWN OR NOTED. THE EDGE SHALL BE RUBBED, PRODUCING A SMOOTH, DENSE SURFACE WITHOUT PITS OR IRREGULARITIES.
- PROVIDE CLEARANCE FROM EDGE OF REINFORCING TO EDGE OF CONCRETE AS FOLLOWS:

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

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

- JOINTS NOT INDICATED ON THE DRAWINGS SHALL BE MADE SO AS TO LEAST IMPAIR THE STRENGTH OF THE STRUCTURE. THERE SHALL BE NO HORIZONTAL JOINTS IN BEAMS OR SUSPENDED SLABS.

- PROVIDE THE FOLLOWING AT OPENINGS IN ALL CONCRETE WALLS AND FRAMED SLABS, UNLESS OTHERWISE INDICATED:
 - #5 AT EACH FACE ON EACH SIDE OF OPENING, EXTENDING 2'-0" BEYOND OPENING.
 - #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
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

- 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.

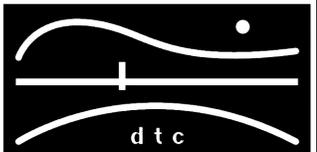
- MEMBERS INDICATED THUS: "LVL" SHALL BE LAMINATED VENEER LUMBER, "MICROLAM" SECTIONS WITH THE FOLLOWING MINIMUM MATERIAL PROPERTIES:

$F_b = 2600$ 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:

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2321 WHITNEY AVE. HAMDEN CT 06518
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OORR
APPLICATION NO. 2112
SHAPIRO RESIDENCE
13 BLAIR ST.
MILFORD, CT

GENERAL
NOTES

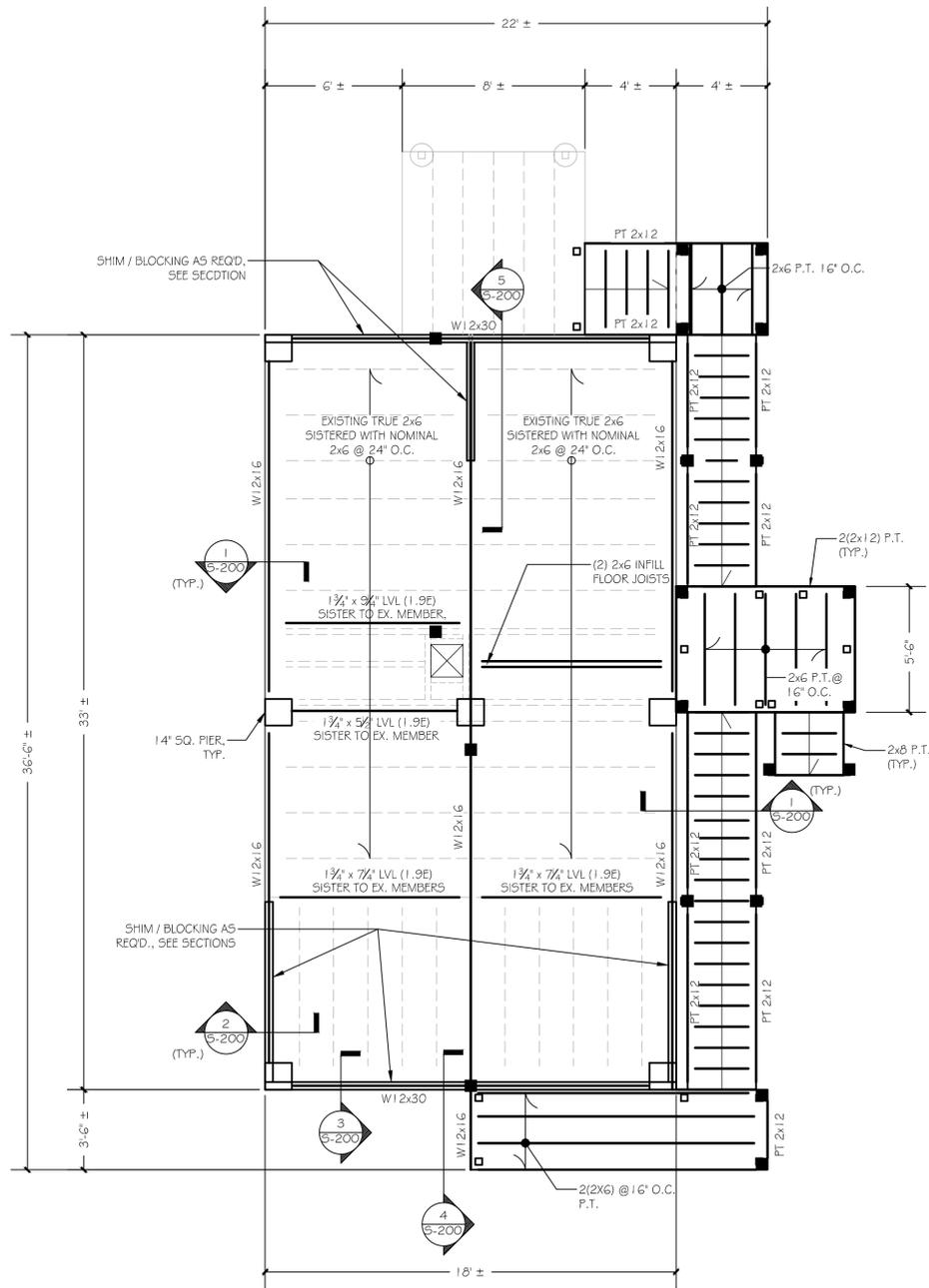
DTC PROJECT NUMBER: 13-449-024

DTC DRAWING FILE:

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DATE: 1/9/2015	CHECKED BY: FC

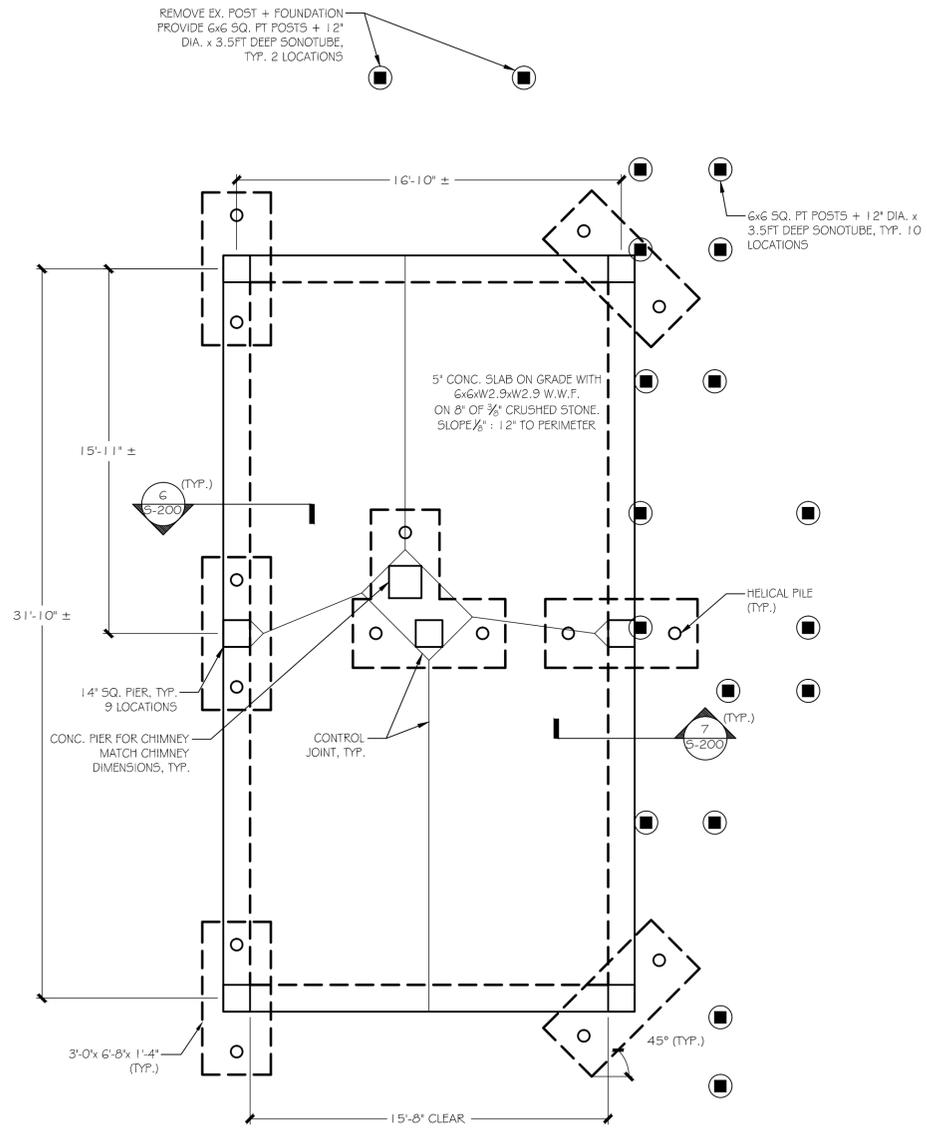
SHEET:

S-001



FRAMING PLAN

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



FOUNDATION PLAN

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

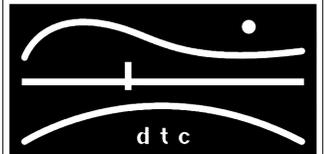
LEGEND

⊠ CHIMNEY 17'x17'

○ 12" Ø CONC. PIER, # 4"x4" WOOD POST

NOTES:

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FRAMING & FOUNDATION
PLANS

DTC PROJECT NUMBER: 13-449-024

DTC DRAWING FILE:

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

DRAWN BY: REM

DATE: 1/9/2015

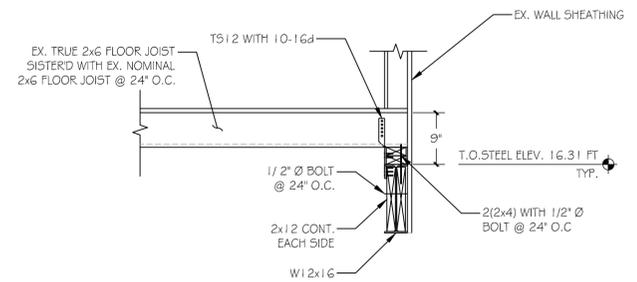
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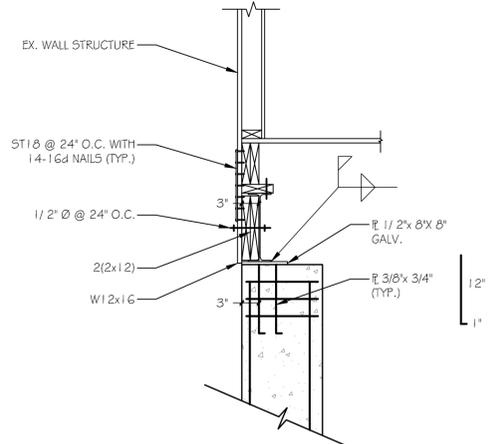
S-100



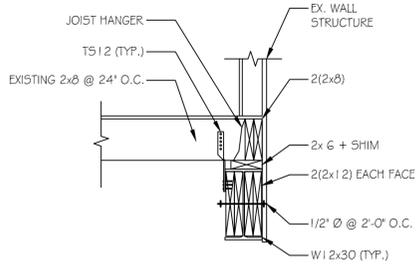
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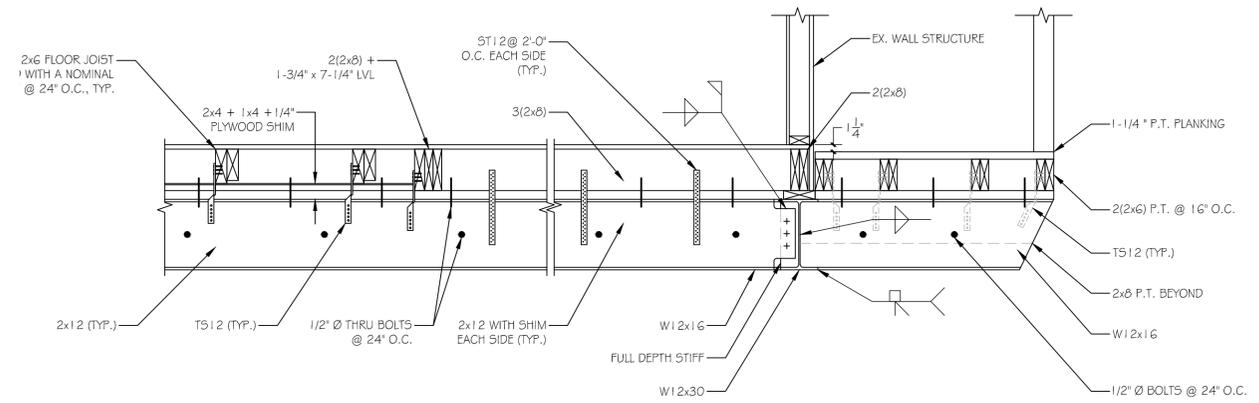
1 WEST & EAST SIDE SECTION
5-2 SCALE: 3/4" = 1'-0"



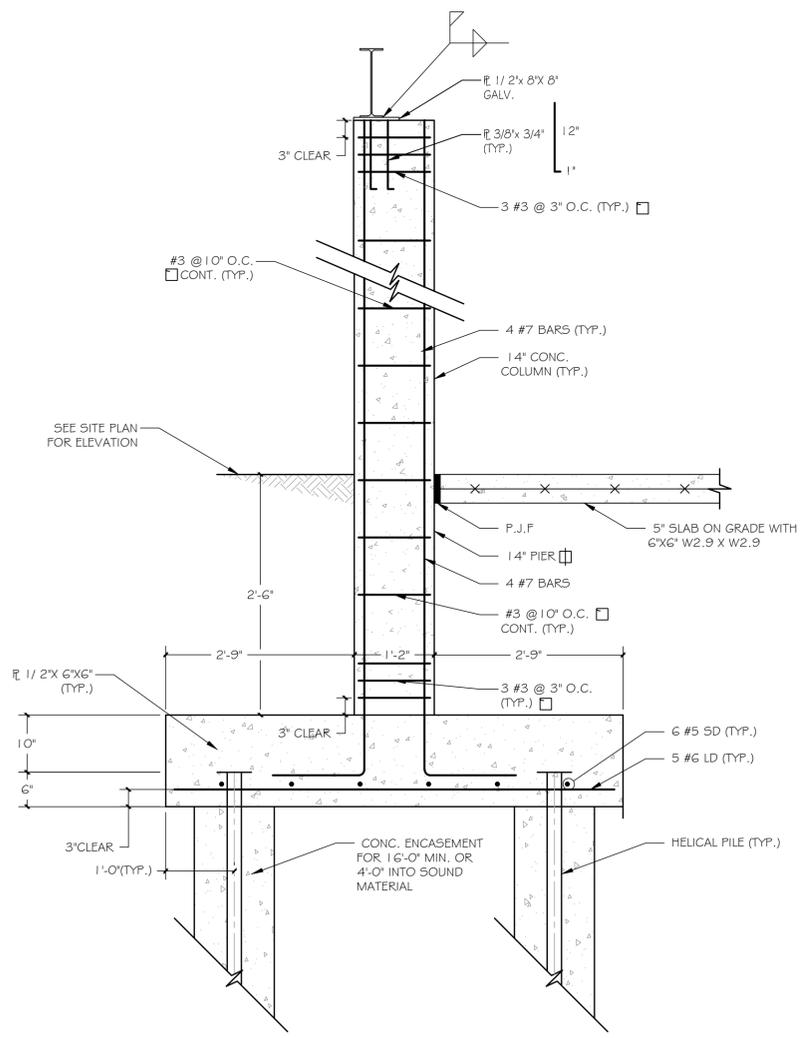
2 WEST & EAST SIDE SECTION
5-2 SCALE: 3/4" = 1'-0"



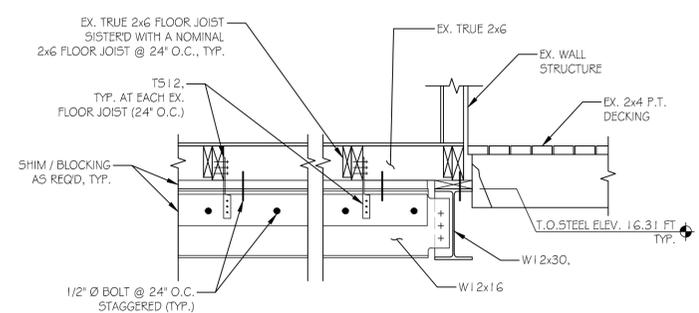
3 SOUTH SIDE SECTION
5-2 SCALE: 3/4" = 1'-0"



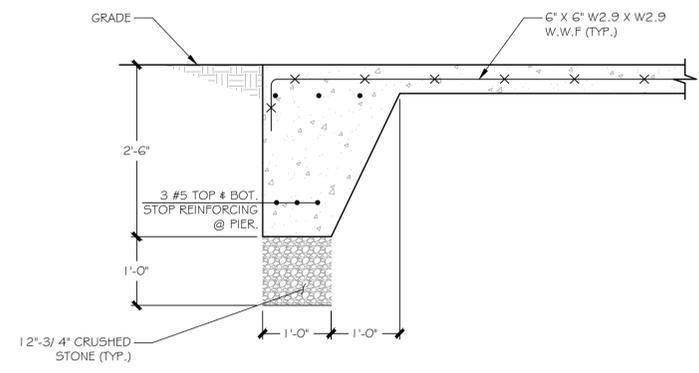
4 SOUTH SIDE SECTION
5-2 SCALE: 3/4" = 1'-0"



7 TYPICAL PIER SECTION
5-2 SCALE: 3/4" = 1'-0"

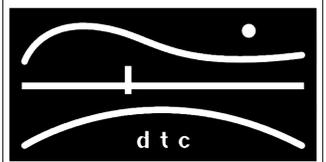


5 NORTH SIDE SECTION
5-2 SCALE: 3/4" = 1'-0"



6 TYPICAL CONC. SLAB SECTION
5-2 SCALE: 3/4" = 1'-0"

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2321 WHITNEY AVE. HAMDEN CT 06518
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MILFORD, CT

DETAILS

DTC PROJECT NUMBER: 13-449-024	
DTC DRAWING FILE:	
SCALE: 3/4"=1'-0"	DRAWN BY: REM
DATE: 1/9/2015	CHECKED BY: FC

SHEET:

S-200

NOTES:

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.



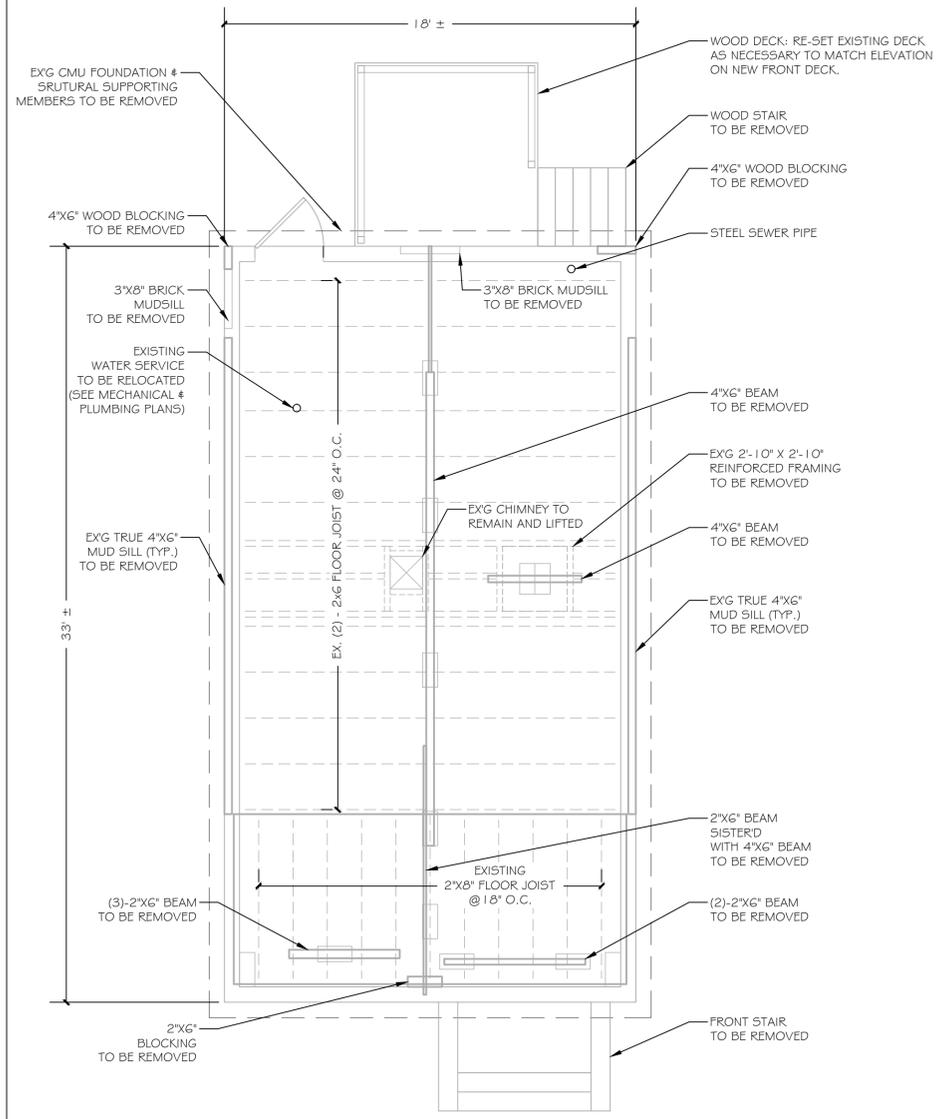
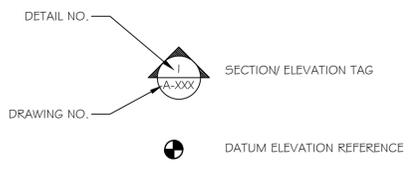
GENERAL NOTES

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.

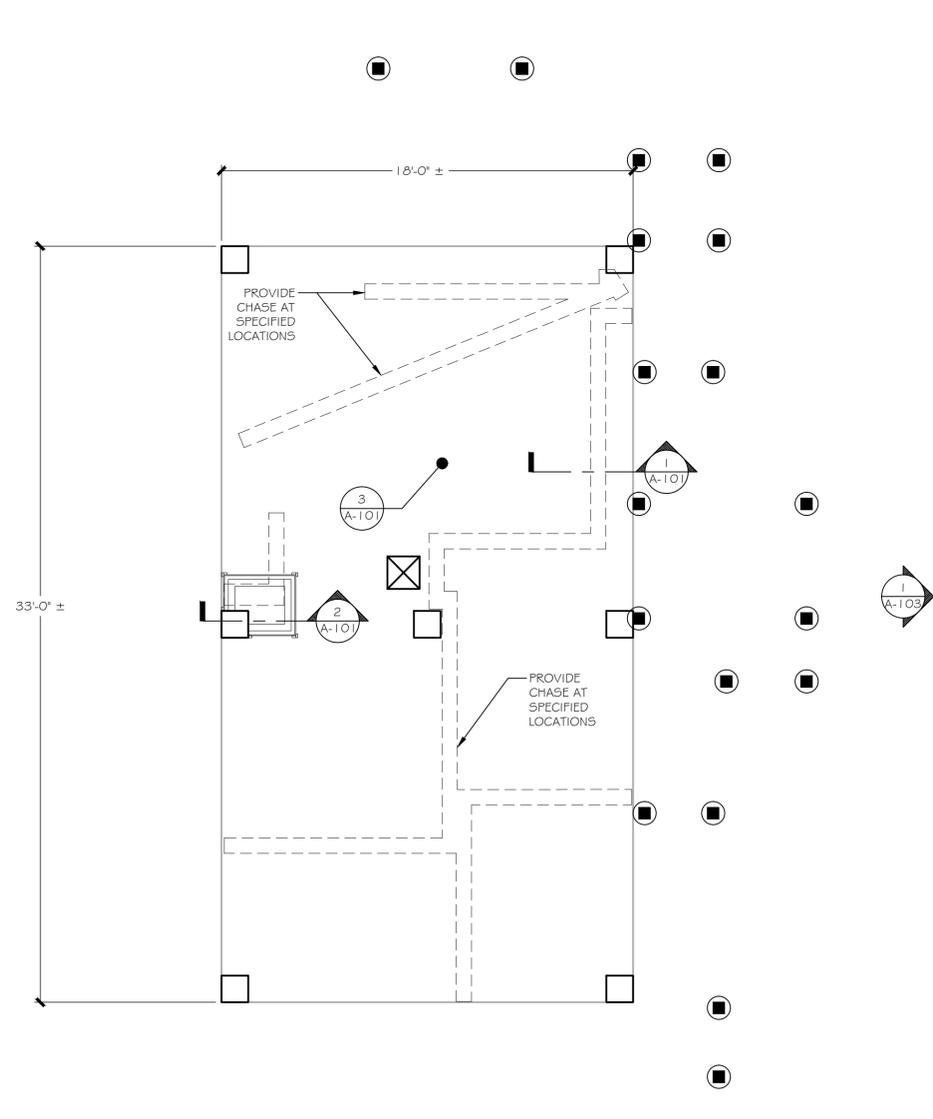
DEMOLITION NOTES

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, CEILINGS, FLOORS, FIXTURES, ETC. TO REMAIN.
4. ADJOINING PROPERTY AFFECTED BY ANY OPERATIONS OF CONSTRUCTION OR DEMOLITION SHALL BE PROTECTED FROM DAMAGE BY CONSTRUCTION

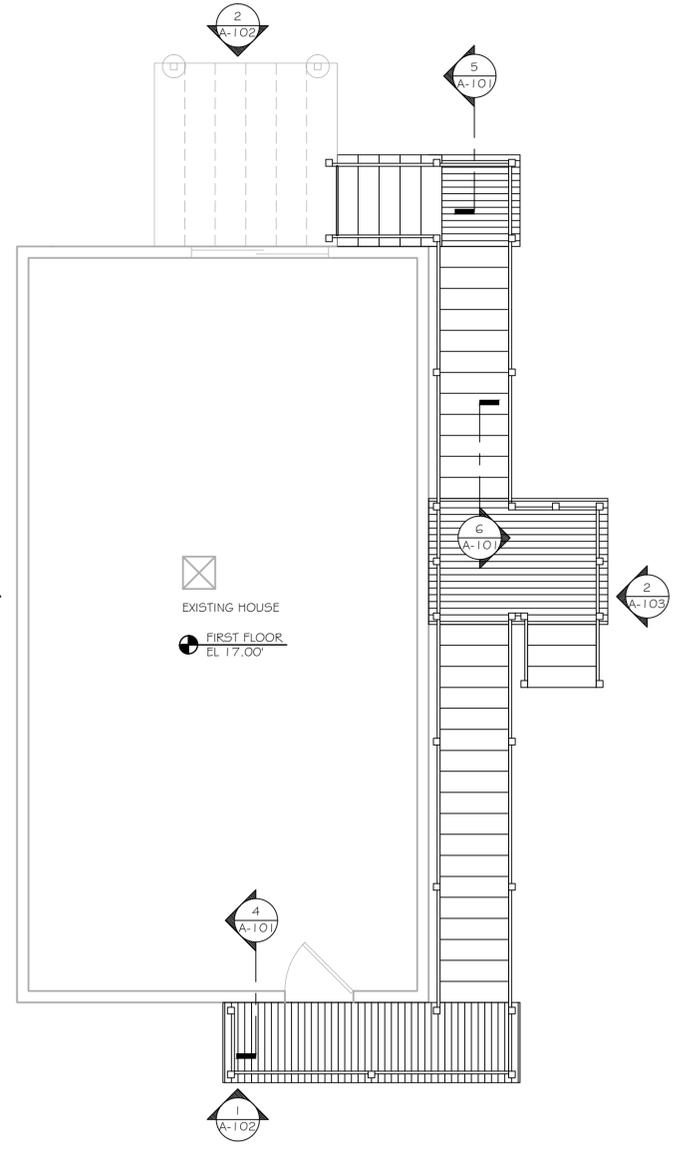
DRAWING SYMBOLS



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



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



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

REVISIONS



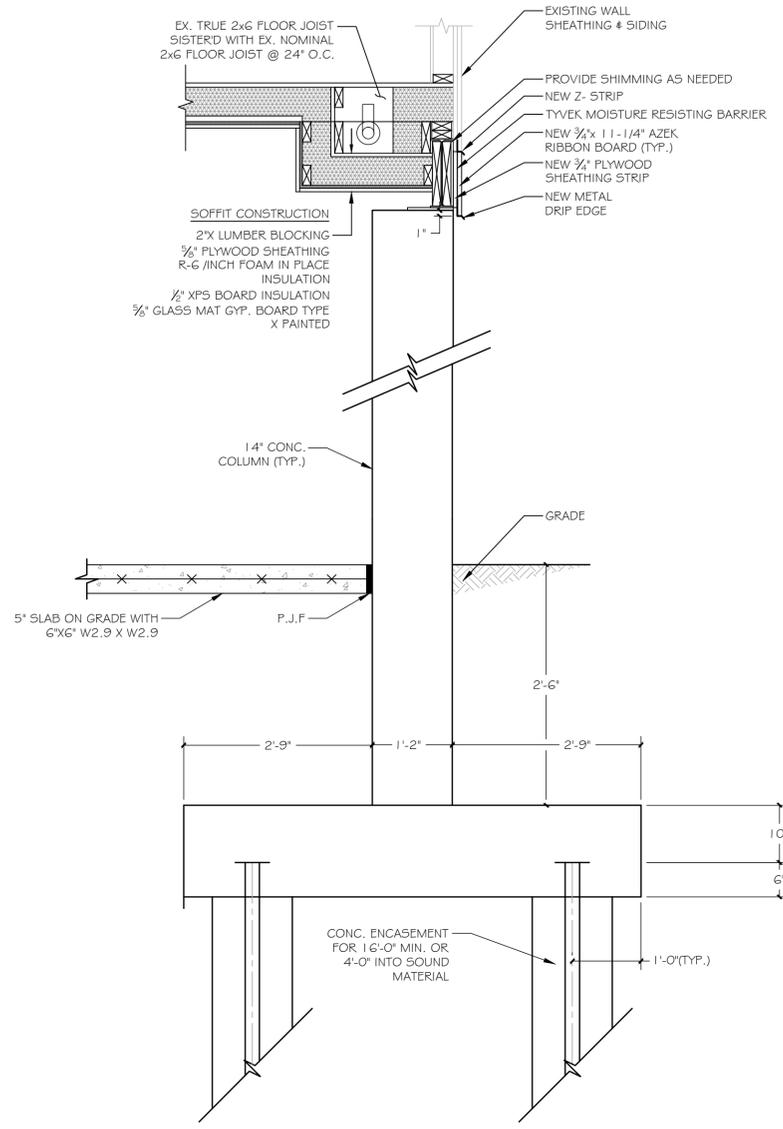
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DEMOLITION
GROUND & FIRST
FLOOR PLANS

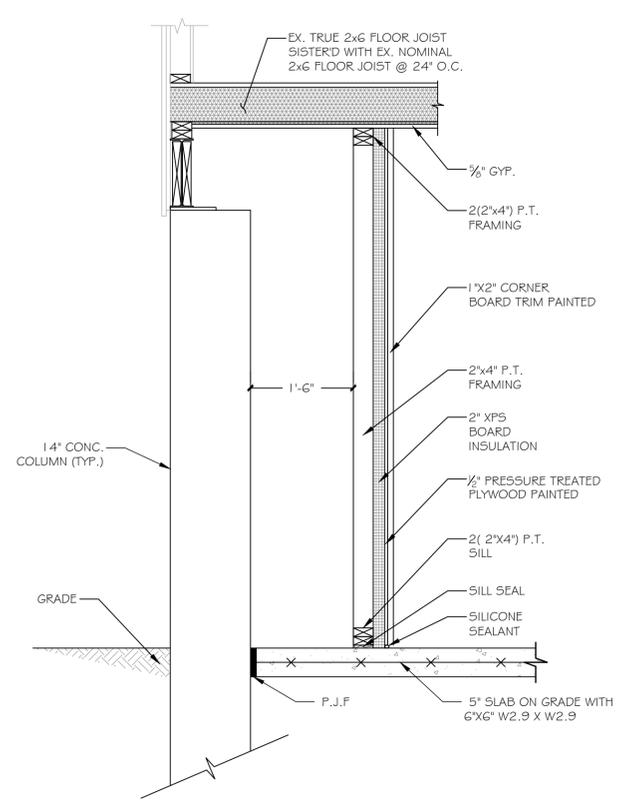
DTC PROJECT NUMBER: 13-449-024
DTC DRAWING FILE:
SCALE: 1/4"=1'-0" DRAWN BY: REM
DATE: 1/9/2015 CHECKED BY: MPC

SHEET:

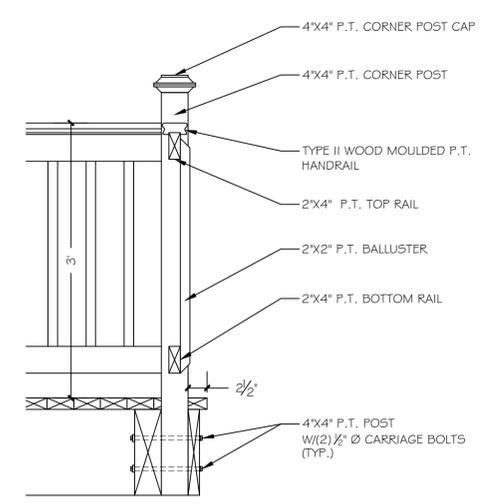
A-100



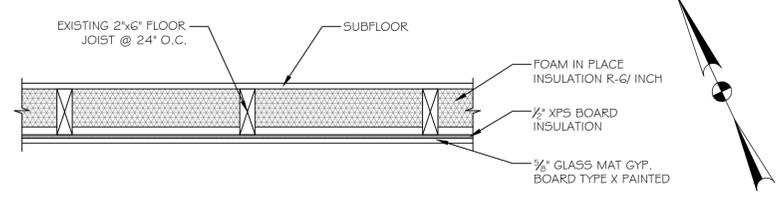
1 PIER/WALL SECTION
SCALE: 3/4" = 1'-0"



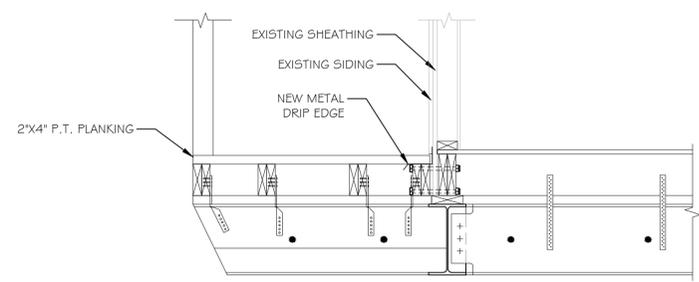
2 WALL SECTION AT VERTICAL CHASE
SCALE: 3/4" = 1'-0"



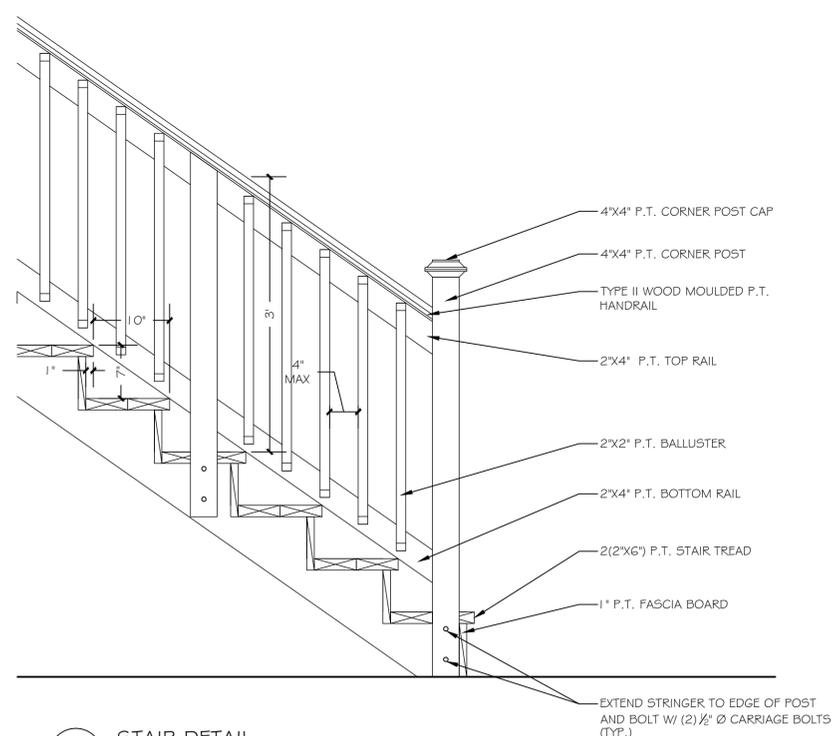
5 RAILING/POST DETAIL
SCALE: 1" = 1'-0"



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



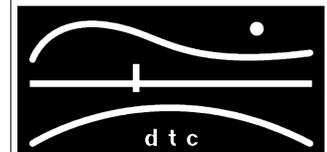
4 DECK SECTION
SCALE: 3/4" = 1'-0"



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

NOTES:

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2321 WHITNEY AVE. HAMDEN CT 06518
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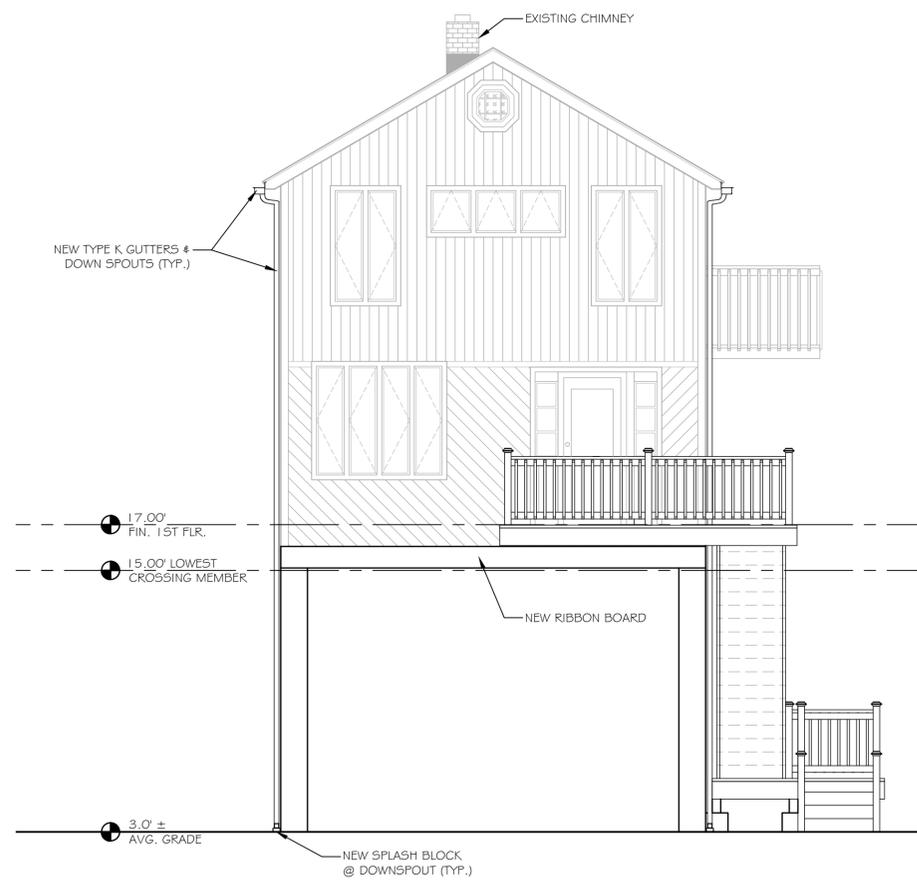
SECTIONS
&
DETAILS

DTC PROJECT NUMBER: 13-449-024
DTC DRAWING FILE:

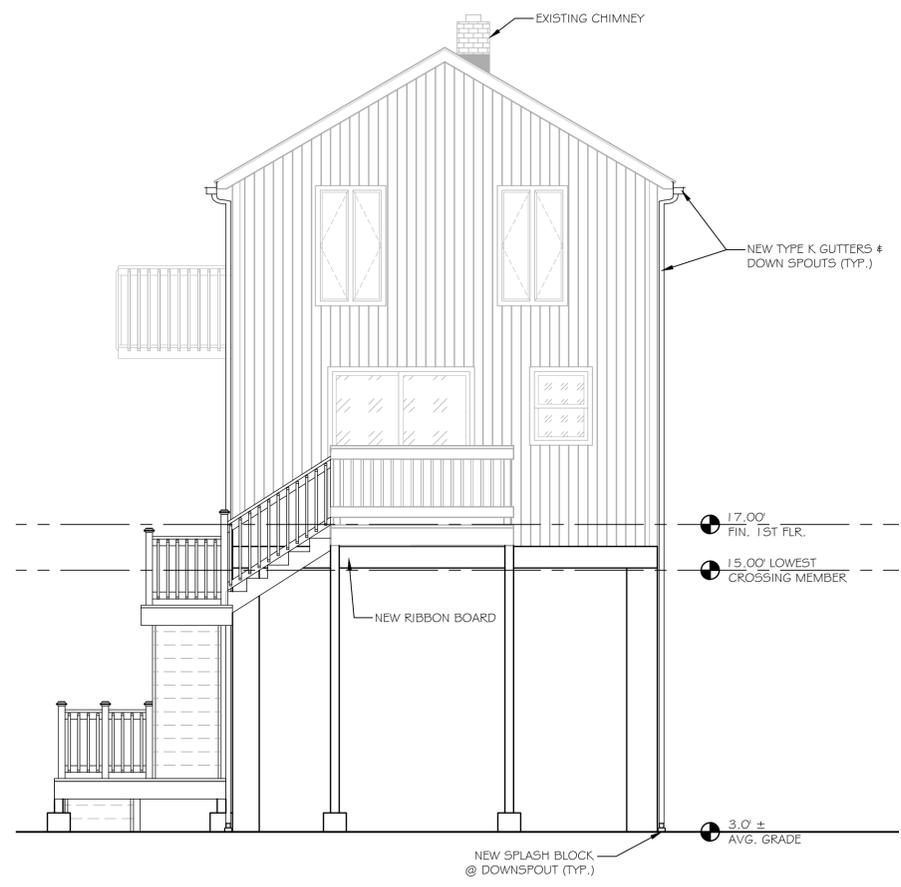
SCALE: VARIES DRAWN BY: REM
DATE: 1/9/2015 CHECKED BY: MPC

SHEET:

A-101



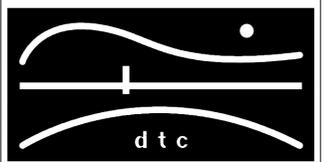
1 SOUTH ELEVATION
A-102 SCALE: 1/4" = 1'-0"



2 NORTH ELEVATION
A-102 SCALE: 1/4" = 1'-0"

NOTES:

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203 239 4200 203 234 7376 FAX

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SOUTH & NORTH
ELEVATIONS

DTC PROJECT NUMBER: 13-449-024

DTC DRAWING FILE:

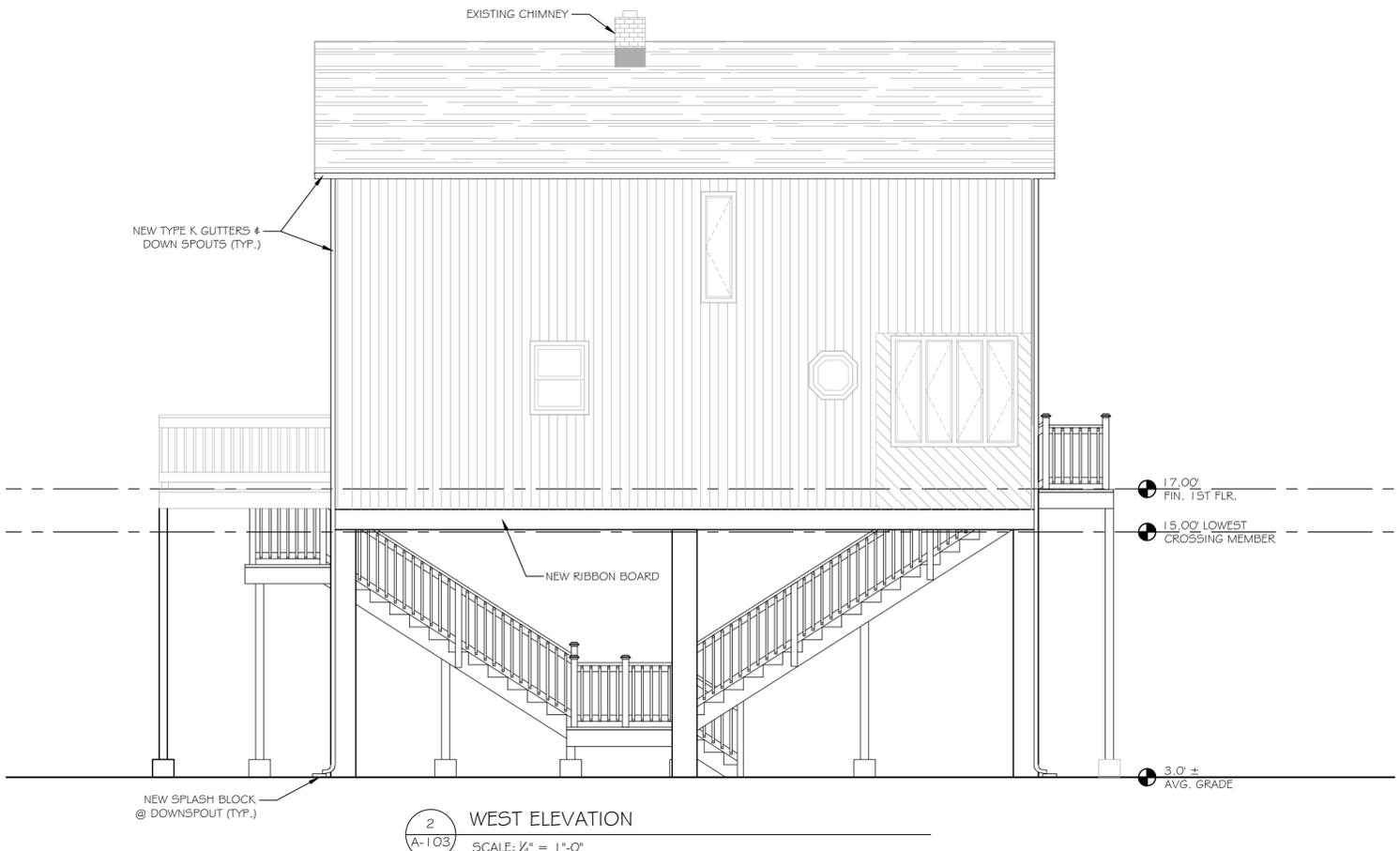
SCALE: 1/4"=1'-0"	DRAWN BY: REM
DATE: 1/9/2015	CHECKED BY: RM

SHEET:

A-102



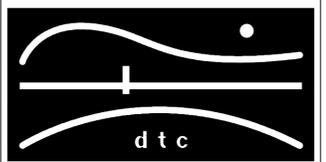
1 EAST ELEVATION
A-103
SCALE: 1/4" = 1'-0"



2 WEST ELEVATION
A-103
SCALE: 1/4" = 1'-0"

NOTES:

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EAST & WEST
ELEVATIONS

DTC PROJECT NUMBER: 13-449-024

DTC DRAWING FILE:

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

DATE: 1/9/2015 CHECKED BY: MPC

SHEET:

A-103

PLUMBING GENERAL NOTES

- THE CONTRACTOR SHALL BECOME THOROUGHLY FAMILIAR WITH THE PROJECT DOCUMENTS OF ALL TRADES. THE DRAWINGS ARE DIAGRAMMATIC AND SHOW THE GENERAL ARRANGEMENT OF EQUIPMENT AND PIPING. THE CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF EQUIPMENT AND PIPING INSTALLATION WITH ALL TRADES BEFORE COMMENCING WORK.
- THIS CONTRACT SHALL INCLUDE ALL THE NECESSARY PIPING, FITTINGS, TRANSITIONS ETC. AS NECESSARY TO INSTALL PLUMBING SYSTEM, AND TO AVOID ANY CONFLICTS WITH OTHER TRADES AND THE BUILDING STRUCTURE.
- IT IS NOT THE INTENT OF THE DRAWINGS TO SHOW INDIVIDUAL BRANCH PIPING TO EACH PLUMBING FIXTURE. ONLY THE BRANCH PIPING TO GROUPS OF FIXTURES IS INDICATED. THE ENTIRE PLUMBING SYSTEM SHALL BE FULLY OPERATIONAL AND READY FOR BENEFICIAL USE BEFORE THE JOB IS CONSIDERED COMPLETE.
- REFER TO LATEST ARCHITECTURAL PLANS FOR ELEVATIONS, SECTIONS, DETAILS, MOUNTING HEIGHTS, LOCATION OF PLUMBING FIXTURES. ALL HANDICAPPED DESIGNATED FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH ANSI AND ADA STANDARDS.
- DO NOT SCALE DRAWINGS. CONTRACTOR SHALL VERIFY ALL DIMENSIONS & CONDITIONS IN THE FIELD AND SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY & ALL DISCREPANCIES.
- IT IS NOT INTENDED THAT THE DRAWINGS SHOW EVERY PIPE, FITTING, RISE/DROP OR DETAIL. SYSTEM & COMPONENTS SHALL BE INSTALLED ACCORDING TO THE INTENT AND MEANING OF CONTRACT DOCUMENTS AND IN ACCORDANCE WITH GOOD PRACTICE.
- CONTRACTOR IS RESPONSIBLE TO PROVIDE COMPLETE AND OPERATIONAL SYSTEMS WITH FACILITIES AND SERVICES TO MEET REQUIREMENTS INDICATED AND IN ACCORDANCE WITH APPLICABLE CODES AND ORDINANCES.
- EQUIPMENT AND COMPONENTS HAVING EQUAL PERFORMANCE CHARACTERISTICS BY OTHER MANUFACTURERS MAY BE CONSIDERED, PROVIDED DEVIATIONS IN DIMENSIONS, OPERATION AND OTHER CHARACTERISTICS DO NOT CHANGE DESIGN CONCEPT OR INTENDED PERFORMANCE AS JUDGED BY THE ENGINEER. BURDEN OF PROOF OF EQUALITY OF PRODUCTS IS ON THE CONTRACTOR.
- CONTRACTOR IS RESPONSIBLE FOR THE SAFEKEEPING OF HIS OWN PROPERTY ON THE JOB SITE. OWNER ASSUMES NO RESPONSIBILITY FOR THE PROTECTION OF PROPERTIES AGAINST FIRE, THEFT AND ENVIRONMENTAL CONDITIONS.
- CONTRACTOR IS RESPONSIBLE FOR PROPERLY PROTECTING OWNER'S PROPERTY AND EQUIPMENT FROM INJURY AND DAMAGE TO SAME SHALL BE REPLACED BY CONTRACTOR.
- CONTRACTOR TO CLEARLY AND COMPLETELY 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 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, CHECK EXISTING SPACE CONDITIONS AT THE JOB SITE.
- 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.

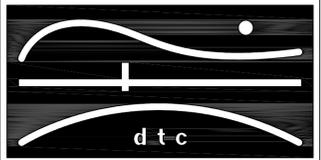
ABBREVIATIONS

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
RL	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. 2112
SHAPIRO RESIDENCE
13 BLAIR ST.
MILFORD, CT

MECHANICAL &
PLUMBING GENERAL
NOTES

DTC PROJECT NUMBER: 13-449-024

DTC DRAWING FILE:

SCALE: 1/4"=1.0

DRAWN BY: RWF

DATE: 1/9/2015

CHECKED BY: RCN

SHEET:

M-001

ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
	EXISTING SURFACE MOUNTED PANELBOARD
	BRANCH CIRCUIT POWER WIRING
	BRANCH CIRCUIT HOME RUN
	SWITCHED WIRING
	DUPLEX RECEPTACLE OUTLET WITH GROUND-FAULT CIRCUIT-INTERRUPTER AND IN WEATHERPROOF ENCLOSURE
	WALL MOUNTED JUNCTION BOX
	SURFACE MOUNTED LIGHTING FIXTURE
	EXISTING WALL MOUNTED LIGHTING FIXTURE
	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
A/C	AIR CONDITIONING
AHJ	AUTHORITY HAVING JURISDICTION
AFF	ABOVE FINISHED FLOOR
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CU	COPPER
DWG	DRAWING
EX	EXISTING TO REMAIN
EXIST.	EXISTING TO REMAIN
G	GROUND
GFI	GROUND-FAULT CIRCUIT-INTERRUPTER
J	JUNCTION
KAIC	THOUSANDS AMPS INTERRUPTING CAPACITY
KVA	KILOVOLT AMPERE
LED	LIGHT EMITTING DIODE
M	METER
NEC	NATIONAL ELECTRIC CODE
NECA	NATIONAL ELECTRICAL CONTRACTORS ASSOC.
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOC.
NM/NM-B	NONMETALLIC SHEATHED
N.T.S.	NOT TO SCALE
OCP	OVERCURRENT PROTECTION
P	POLE
PVC	POLYVINYL CHLORIDE
S	SMOKE DETECTOR
S/CO	COMBINATION SMOKE/CARBON MONOXIDE DETECTOR
UL	UNDERWRITER'S LABORATORY
U.O.N.	UNLESS OTHERWISE NOTED
V	VOLTS
VA	VOLT-AMPERES
WP	WEATHERPROOF
#	NUMBER
'	FEET
"	INCHES

- | ELECTRICAL GENERAL NOTES | |
|--------------------------|---|
| 1. | UNLESS OTHERWISE INDICATED, FURNISH AND INSTALL A COMPLETE AND OPERATIONAL ELECTRICAL SYSTEM INCLUDING ALL NECESSARY MATERIAL, LABOR, AND EQUIPMENT. |
| 2. | ELECTRICAL PLANS AND DETAILS, AND ONE LINE DIAGRAMS SHOW THE GENERAL LOCATION AND ARRANGEMENT OF THE ELECTRICAL SYSTEM. THEY ARE DIAGRAMMATIC AND DO NOT SHOW ALL CONDUIT BODIES, CONNECTORS, BENDS, FITTINGS, HANGERS, AND ADDITIONAL PULL AND JUNCTION BOXES WHICH THE CONTRACTOR MUST PROVIDE TO COMPLETE THE ELECTRICAL SYSTEM. |
| 3. | FURNISH AND INSTALL A TEMPORARY ELECTRICAL SERVICE FOR ELECTRICAL POWER DURING CONSTRUCTION. |
| 4. | ALL EQUIPMENT AND MATERIAL SHALL BE LABELED AND LISTED, AND INSTALLED IN ACCORDANCE WITH THEIR LISTING. |
| 5. | THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND ARRANGE FOR ALL REQUIRED INSPECTIONS IN ACCORDANCE WITH STATE GOVERNING AUTHORITIES. |
| 6. | ALL WORK SHALL BE DONE WITH LICENSED WORKMEN IN ACCORDANCE WITH STATE GOVERNING AUTHORITIES. |
| 7. | THE DEFINITION OF ELECTRICAL TERMS USED SHALL BE AS DEFINED IN THE 2011 EDITION OF THE NATIONAL ELECTRIC CODE (NEC). |
| 8. | THE TERM "INDICATED" SHALL MEAN "AS SHOWN ON CONTRACT DOCUMENTS (SPECIFICATIONS, DRAWINGS, AND RELATED ATTACHMENTS)". |
| 9. | THE TERM "SIZE" SHALL MEAN ONE OR MORE OF THE FOLLOWING: "LENGTH, CURRENT AND VOLTAGE RATING, NUMBER OF POLES, NEMA SIZE, AND OTHER SIMILAR ELECTRICAL CHARACTERISTICS". |
| 10. | ELECTRICAL PLANS AND DETAILS DO NOT SHOW ALL INTERFERENCE'S AND CONDITIONS, VISIBLE AND/OR HIDDEN, THAT MAY EXIST; THUS REQUIRING THE CONTRACTOR TO INSPECT AND SURVEY THE SPACE BEFORE PERFORMING THE WORK. |
| 11. | COORDINATE ELECTRICAL WORK WITH OWNER. |
| 12. | COORDINATE ELECTRICAL WORK WITH OTHER DIVISIONS OF THIS PROJECT. |
| 13. | BEFORE SELECTING MATERIAL AND EQUIPMENT, AND PROCEEDING WITH WORK, INSPECT AREAS WHERE MATERIAL AND EQUIPMENT ARE TO BE INSTALLED TO INSURE SUITABILITY, AND CHECK NEEDED SPACE FOR PLACEMENT, CLEARANCES AND INTERCONNECTIONS. |
| 14. | BEFORE CUTTING OR DRILLING INTO BUILDING ELEMENTS INSPECT AND LAYOUT WORK TO AVOID DAMAGING STRUCTURAL ELEMENTS AND BUILDING UTILITIES. |
| 15. | ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC) ANS/NFPA 70 2011 EDITION. |
| 16. | TYPICAL MOUNTING HEIGHTS OF DEVICES SHALL COMPLY NECA 1-2010. |
| 17. | PENETRATIONS THROUGH GROUND SLAB SHALL BE SEALED WITH POLYURETHANE SEALANT TYPICAL FOR ALL PENETRATIONS. |
| 18. | FURNISH AND INSTALL MEANS OF DISCONNECTION FOR ALL MOTORIZED EQUIPMENT AND APPLIANCES IN ACCORDANCE WITH NEC. |

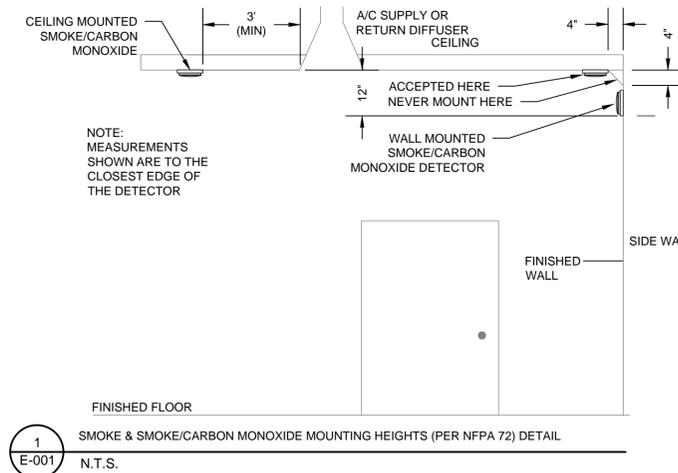
DRAWING LIST	
SHEET	NAME
E-001	ELECTRICAL GENERAL NOTES, LEGENDS AND ABBREVIATIONS
E-100	ELECTRICAL FOUNDATION, FIRST & SECOND FLOOR PLANS

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

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

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"

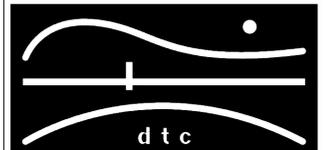
- NOTES
1. ALL BRANCH CIRCUIT USED INDOORS SHALL BE WIRED WITH NONMETALLIC SHEATHED CABLE (ROMEX), U.O.N.



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

NOTES:

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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: 13-449-024

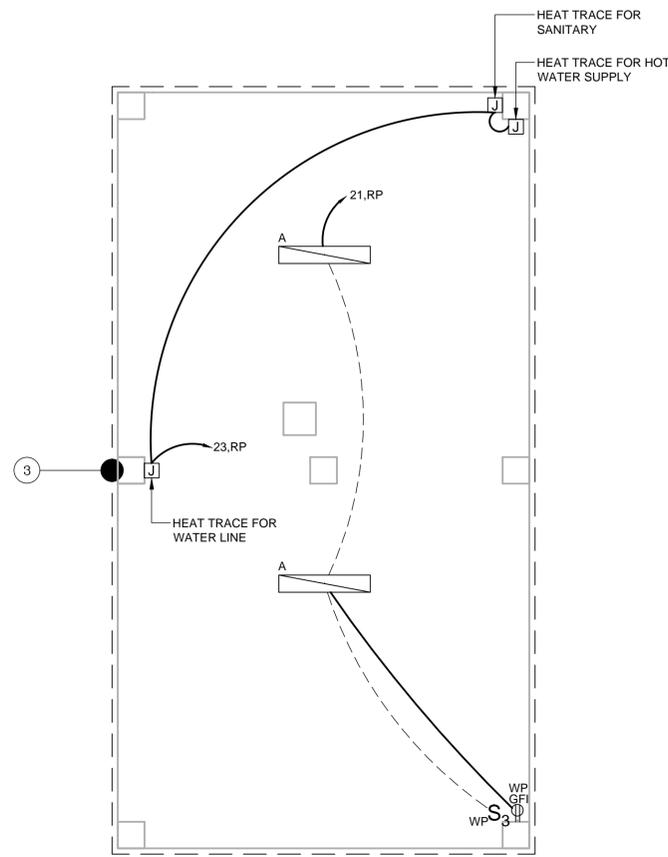
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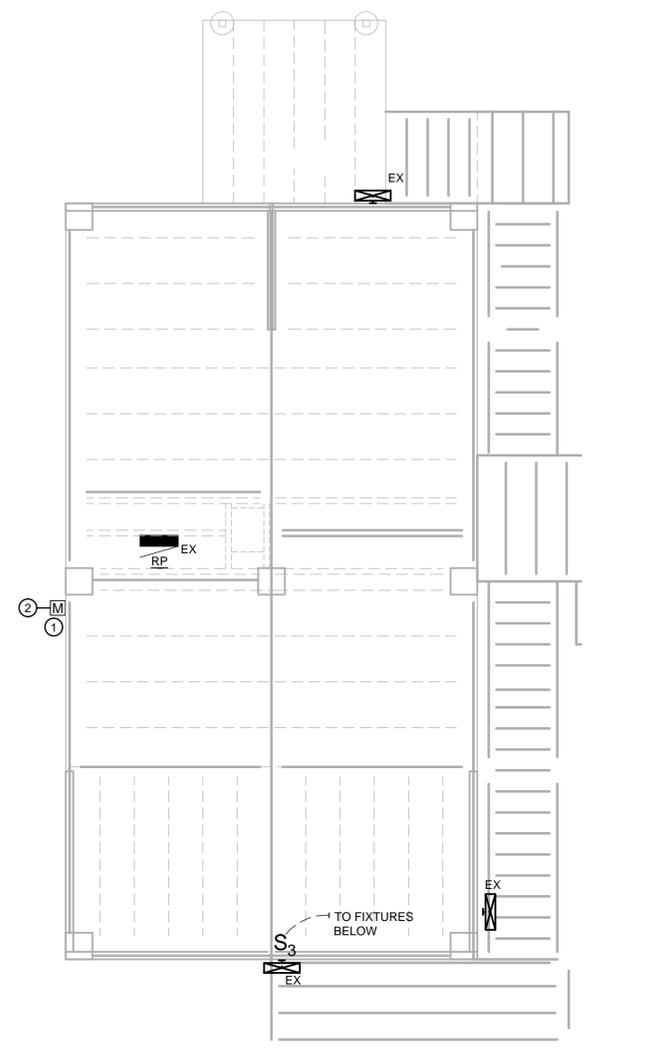
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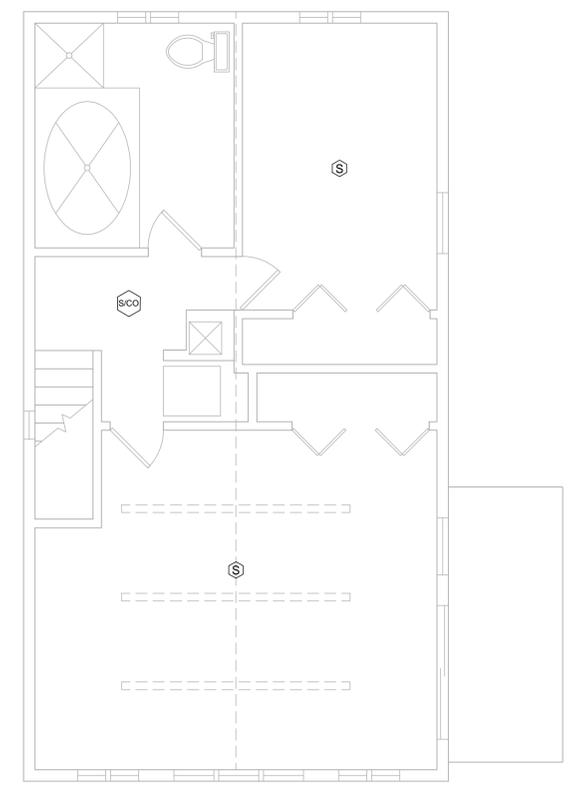
E-001



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



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



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

PANELBOARD RP (EXIST.)										
CLASS:		S/E RATING NO		MOUNTING SURFACE		CB TYPE		FEEDER ENTRANCE BOTTOM		
Lighting		40		100A		100A		MECH CLOSET		
Distribution		20		100A		100A		MECH CLOSET		
BUS SIZE 125A		240/120V, 1 Ø .3W		22 KA/IC		22 KA/IC		22 KA/IC		
BREAKER		PHASE LOAD - KVA				BREAKER				
#	A	P	LOAD	A	B	LOAD	DESCRIPTION	A	P	#
1	100	2	-	-	-	-	EXIST. RANGE	40	2	2
3	-	-	-	-	-	-	-	-	-	4
5	20	1	-	-	-	-	EXIST. FURNACE	15	1	6
7	20	1	-	-	-	-	EXIST. BEDROOM RECPTS	15	1	8
9	15	1	-	-	-	-	EXIST. REFRIGERATOR	20	1	10
11	15	1	-	-	-	-	EXIST. BATHROOM RECPTS (2)	20	1	12
13	15	1	-	-	-	-	EXIST. BATHROOM RECPTS (2)	20	1	14
15	15	1	-	-	-	-	EXIST. LOAD	15	1	16
17	30	2	-	-	-	-	EXIST. DRYER	20	2	18
19	-	-	-	-	-	-	EXIST. AC	20	2	18
21	20	1	0.29	0.29	-	-	SPACE	-	-	20
23	20	1	1.40	1.40	-	-	SPACE	-	-	22
TOTAL ADDITIONAL LOAD PER PHASE:			0.3	1.4	-	-				
TOTAL ADDITIONAL LOAD ON PANEL:			1.69		KVA					

NOTES:
1. EXISTING SPLIT CIRCUIT BREAKER.
2. EXISTING GFCI CIRCUIT BREAKER.
3. PROVIDE 20A, 1P CIRCUIT BREAKER.

GENERAL NOTES

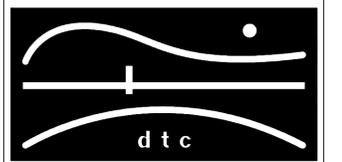
- ALL CIRCUITS ON THIS DRAWING SHALL BE SIZED 2#12, #12G AND SHALL BE CONNECTED TO NEW 20A-1P CIRCUIT BREAKER IN SOURCE PANEL, U.O.N.
- ALL 120VAC BRANCH CIRCUITS EXCEEDING 100' IN LENGTH SHALL BE INCREASED TO 2#10, #10G UNLESS OTHERWISE NOTED.
- REFER TO DWG E-001 FOR SYMBOL LEGEND, ABBREVIATIONS, AND 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.
- PVC CONDUIT AND WIRING SHALL BE USED FOR ALL DEVICES LOCATED ON THE FOUNDATION LEVEL.

NOTES:

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

OORR
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ELECTRICAL
FOUNDATION, FIRST &
SECOND FLOOR PLANS

DTC PROJECT NUMBER: 13-449-024

DTC DRAWING FILE:

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

DATE: 1/9/2015 CHECKED BY: JP

SHEET:

E-100