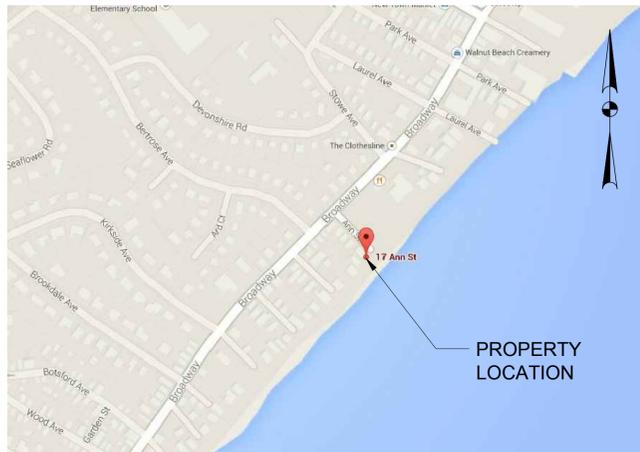


THE STATE OF CONNECTICUT
DEPARTMENT OF HOUSING (DOH)

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

OWNER-OCCUPIED REHABILITATION AND REBUILDING PROGRAM (OORR)

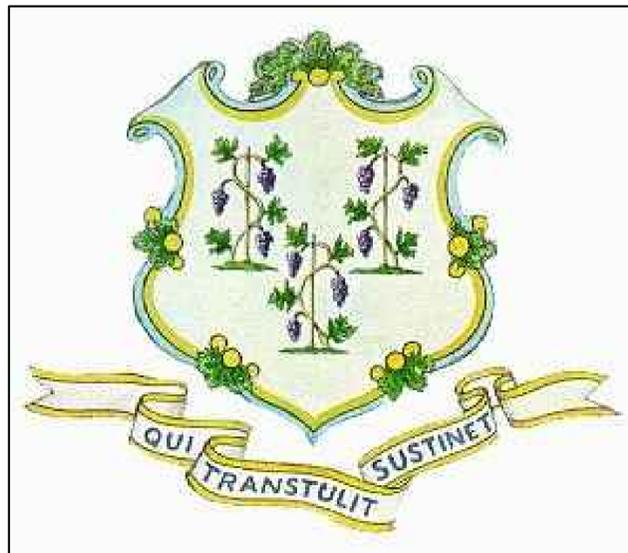


PROJECT LOCATION MAP
NTS

STORM SANDY RELIEF
GOVERNOR DANIEL P. MALLOY

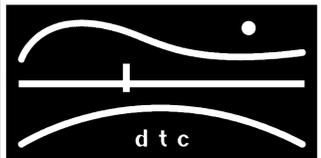
APPLICATION NO. 1237
17 ANN STREET
MILFORD, CT 06460
9/15/2014

SHEET NO.	DRAWING TITLE
G-100	COVER SHEET
ST-100	SITE PLAN
ST-101	SITE DETAILS, & NOTES
S-100	FOUNDATION PLAN, FIRST FLOOR FRAMING
S-101	FIRST FLOOR PLAN, SECOND FLOOR PLAN
S-102	DETAILS, SECTIONS, & GENERAL NOTES
S-103	TEST BORING LOGS
A-001	GENERAL NOTES, DEMOLITION NOTES, ABBREVIATIONS, SYMBOL LEGEND
D-100	SITE, & BUILDING DEMOLITION
A-100	FIRST FLOOR PLAN
A-101	SECOND FLOOR PLAN WALL SECTION AA
A-200	NORTH, & SOUTH ELEVATIONS
A-201	WEST ELEVATION
A-202	EAST ELEVATION
A-500	DOOR, & WINDOW DETAILS
MP-001	MECHANICAL & PLUMBING NOTES, LEGENDS, ABBREVIATIONS, & DETAILS
M-100	MECHANICAL FIRST & SECOND FLOOR PLAN
P-100	PLUMBING GROUND FLOOR PLAN
P-101	PLUMBING FIRST & SECOND FLOOR PLAN
MP-300	MECHANICAL & PLUMBING SCHEDULES
MP-301	MECHANICAL & PLUMBING SCHEDULES
MP-302	MECHANICAL & PLUMBING DETAILS
E-001	ELECTRICAL NOTES, LEGENDS, ABBREVIATIONS, DETAILS, & SCHEDULES
E-100	ELECTRICAL FIRST, & SECOND FLOOR PLANS



NOTES:

REVISIONS



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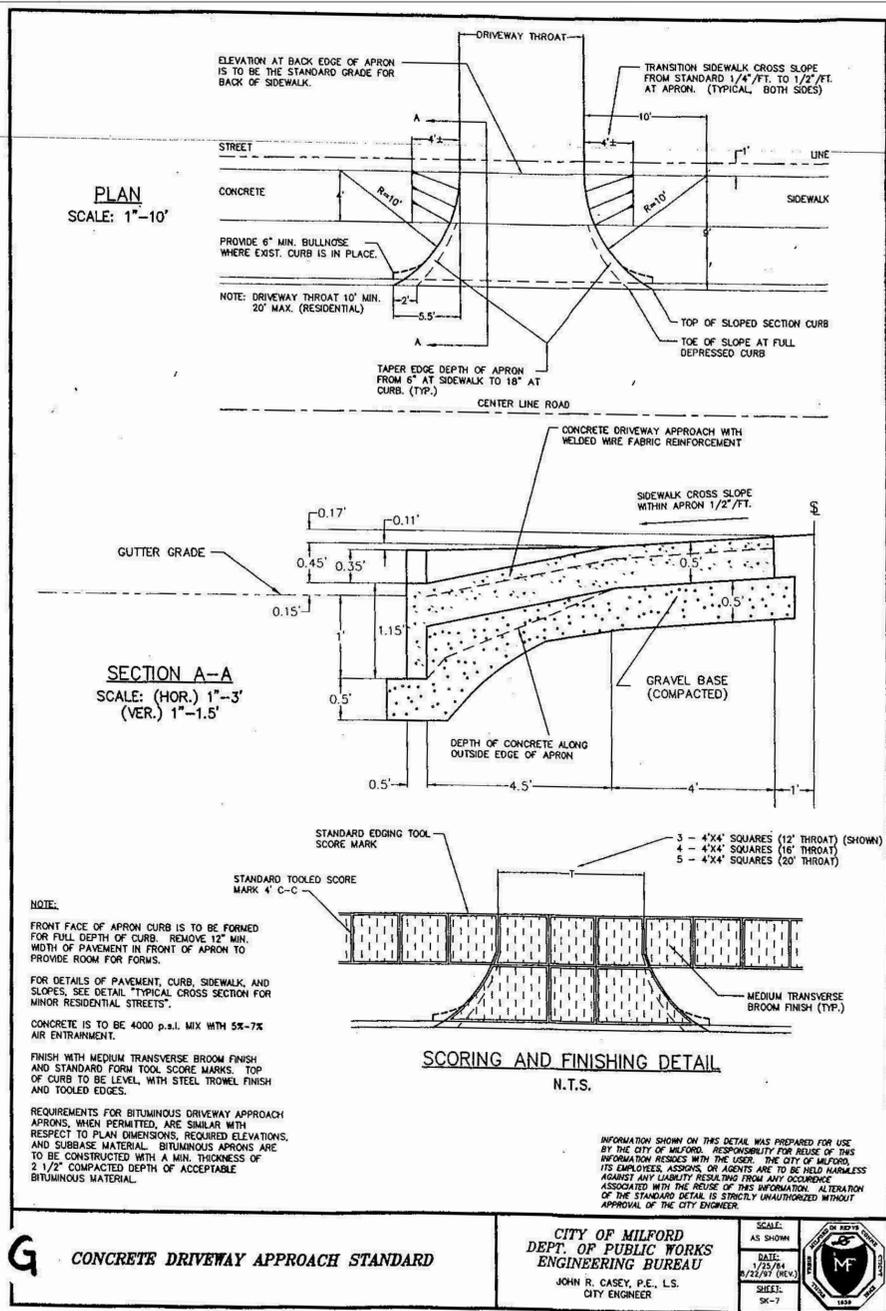
OORR
APPLICATION NO. 1237
LARIAIA RESIDENCE
17 ANN STREET
MILFORD, CT

COVER SHEET

DTC PROJECT NUMBER: 13-449-019
DTC DRAWING FILE:

SCALE: NA DRAWN BY:
DATE: 9/15/2014 CHECKED BY:

SHEET:
G-100



COVERAGE NOTES:

It is proposed to maintain the property at elevation 8.0'. No fill will be required but this will allow for free drainage around site

Fill Requirement:

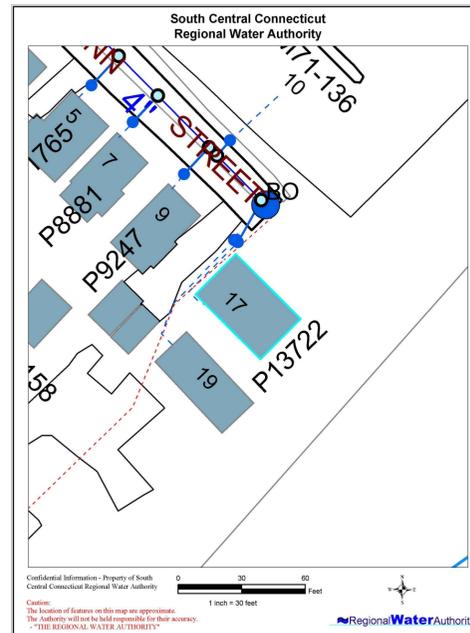
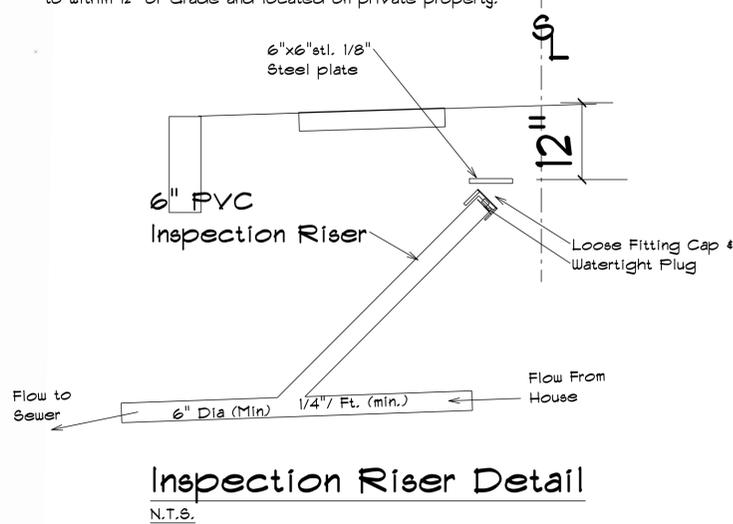
None

Existing Impervious Coverage = 1,686 Sq.Ft.

Proposed Impervious Coverage = 1,711 Sq.Ft.

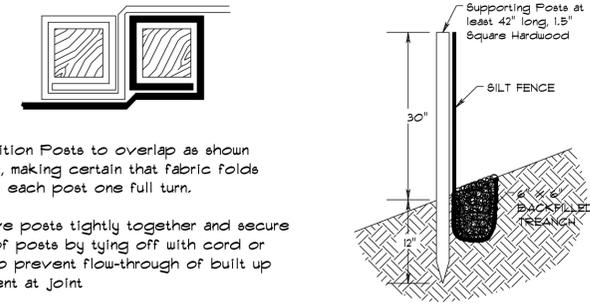
Net increase = 25 Sq.Ft.

Connect to existing Lateral at 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.

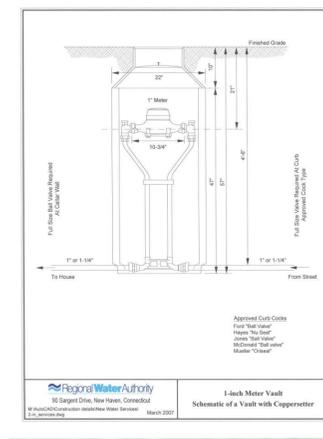
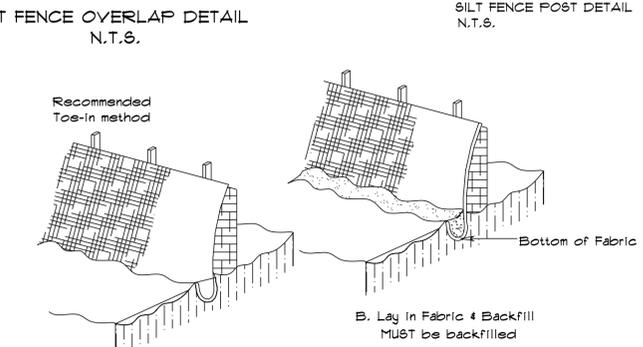


Construction Sequence

- Silt Fence and Chainlink fence will be placed on property lines.
- The existing house will be lifted with excavated sand removed from site as its removed from excavation process for cribbing.
- With house raised new foundations will be placed with helical pile or driven piles for the area where new 2 story residence is being placed.
- New conc piers will be formed and poured. All forms will be dropped off on-site and removed when done.
- House construction will start with small deliveries of lumber as need be. On completion of first floor material can be delivered and stored under 1st floor. No lumber or equipment will be stored outside due to the small lot size. All soil to be excavated will be removed from site at time of excavation. There will be no soil stockpiled on site.



- Position Posts to overlap as shown above, making certain that fabric folds around each post one full turn.
- Drive posts tightly together and secure top of posts by tying off with cord or wire to prevent flow-through of built up sediment at joint.



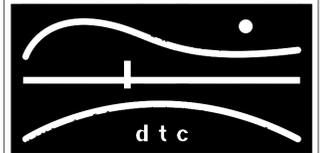
Erosion and Sediment Control Plan

- Land disturbance will be kept to minimum required for construction.
- Fabric silt fence and hay bales will be placed at any catchbasins adjacent to the property on Ann Street.
- All erosion and sediment control measures will be constructed in accordance with standards and specifications of the "2002 Connecticut Guidelines for Soil and Erosion Control".
- Erosion and sedimentation control measures will be constructed prior to construction.
- All control measures will be maintained during construction.
- Additional control measures will be installed if required during construction.
- Sediment removed from control structures will be disposed of in a manner consistent with the intent of this plan.
- Kevin Boyle KMS Home Improvements 203-610-5822

is assigned the responsibility for implementing this soil and erosion control plan. This responsibility includes the installation and maintenance of control measures, informing all parties engaged on the construction site of the requirements and objectives of the plan, notifying the City and State of any transfer of responsibility or transfer of erosion control plan if the title of the land is transferred.

NOTES:

REVISIONS



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OOR
APPLICATION NO. 1237
LARIAI RESIDENCE
17 ANN STREET
MILFORD, CT

Site Details & Notes

DTC PROJECT NUMBER: 13-449-019

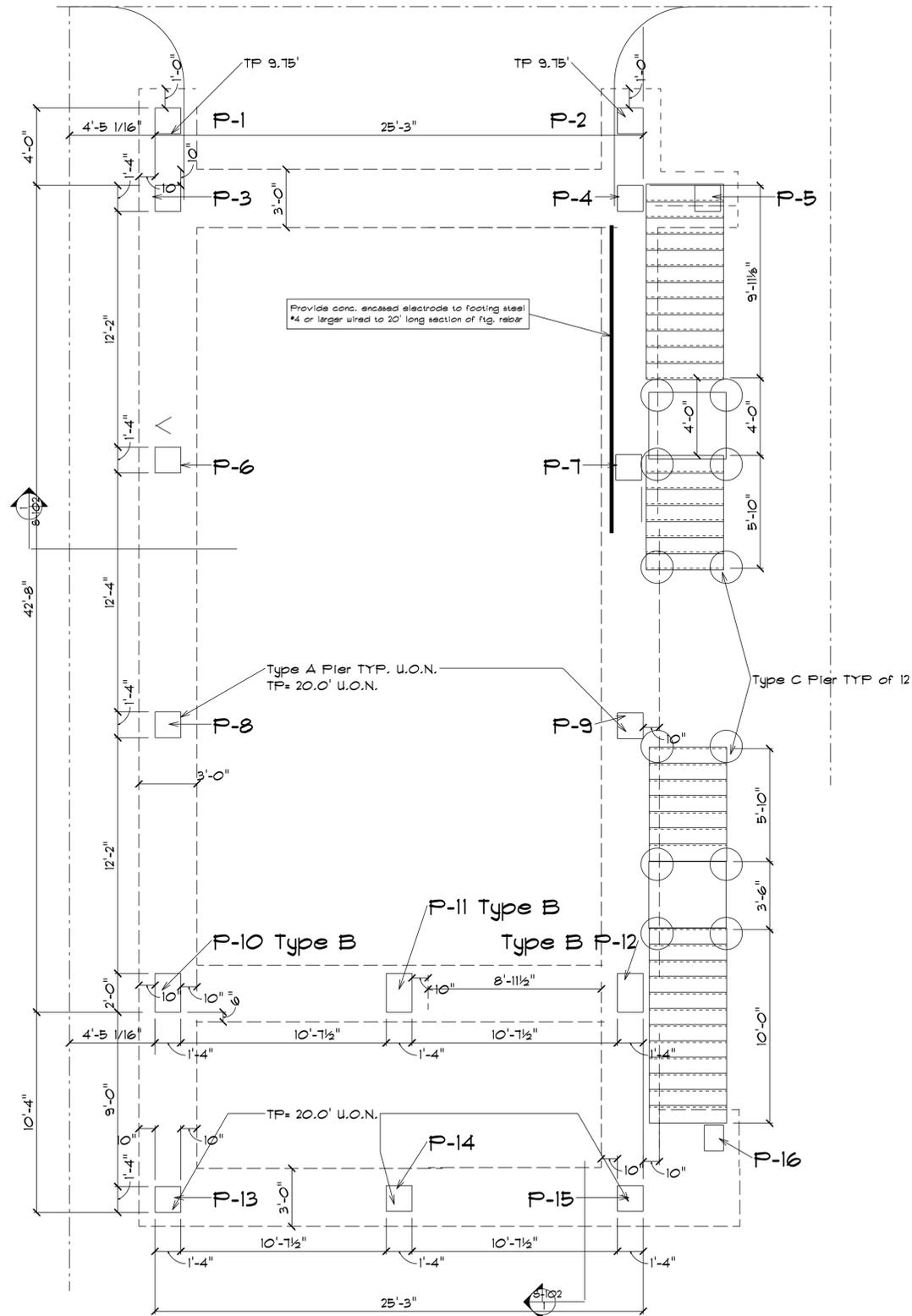
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DATE: 9/15/2014 CHECKED BY:

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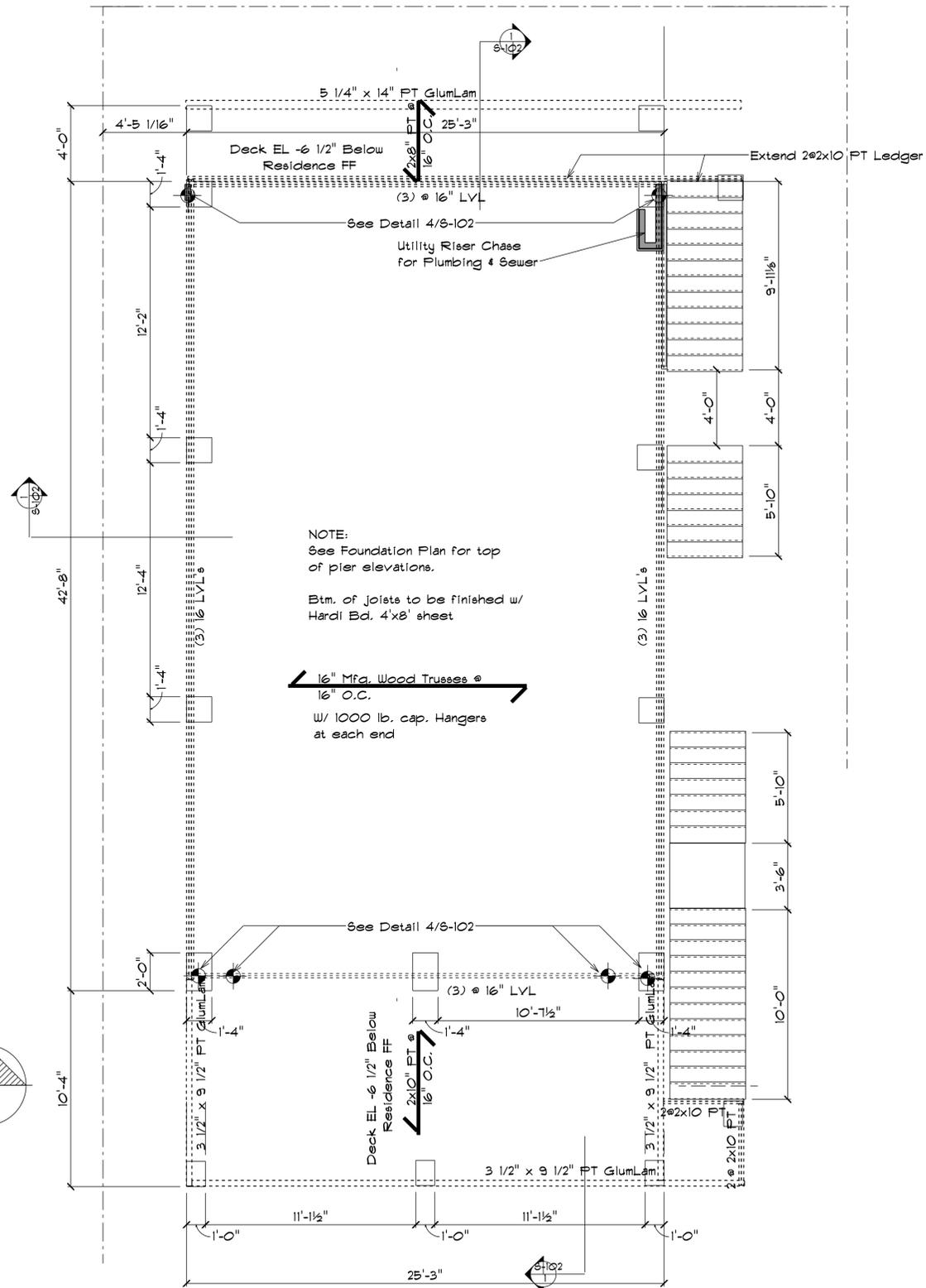
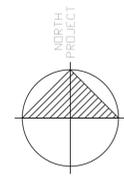


Foundation Plan

1/4" = 1'-0"

FOUNDATION NOTES:

1. BOTTOM OF GRADE BEAM TO BE 6'-0" MINIMUM, IF GROUNDWATER IS ENCOUNTERED IN THE EXCAVATION PUMP OUT AND DISCHARGE LEGALLY.
2. "A" DENOTES PIER TYPE. SEE PIER PLANS.
3. TP#9.75 DENOTES TOP OF CONCRETE PIER ELEVATION.
4. P1 DENOTES PIER NUMBER FOR REFERENCE



First Floor Framing

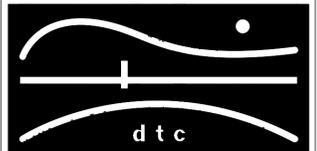
1/4" = 1'-0"

FLOOR FRAMING NOTES:

1. FLOOR CONSTRUCTION: 2" TONGUE AND GROOVED SHEATHING GLUED AND SCREWED TO TRUSSES AND LVL BEAMS.
2. ALL BEAMS ARE FLUSH FRAMED WITH THE FLOOR JOISTS UNLESS NOTED "DROPPED". PROVIDE JOIST HANGERS COMPATIBLE WITH THE JOISTS BEING SUPPORTED UNLESS A HANGER IS SPECIFIED ON THE PLAN.
3. XBRUX DENOTES BRACED WALL DESIGNATION. SEE BRACED WALL SCHEDULE.
4. FLOOR TRUSSES TO BE ENGINEERED BY THE TRUSS MANUFACTURER'S PROFESSIONAL ENGINEER LICENSED IN THE STATE OF CONNECTICUT. LIVE LOAD DEFLECTION LIMIT = L/480
5. TRUSSES TO BE DESIGNED FOR THE FOLLOWING LOADS:
 - 5.1. TOP CHORD DEAD LOAD 10 PSF
 - 5.2. TOP CHORD LIVE LOAD 40 PSF MINIMUM.
 - 5.3. BOTTOM CHORD DEAD LOAD 9 PSF

NOTES:

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OORR
APPLICATION NO. 1237
LARIAIA RESIDENCE
17 ANN STREET
MILFORD, CT

Foundation Plan
First Floor Framing

DTC PROJECT NUMBER: 13-449-019

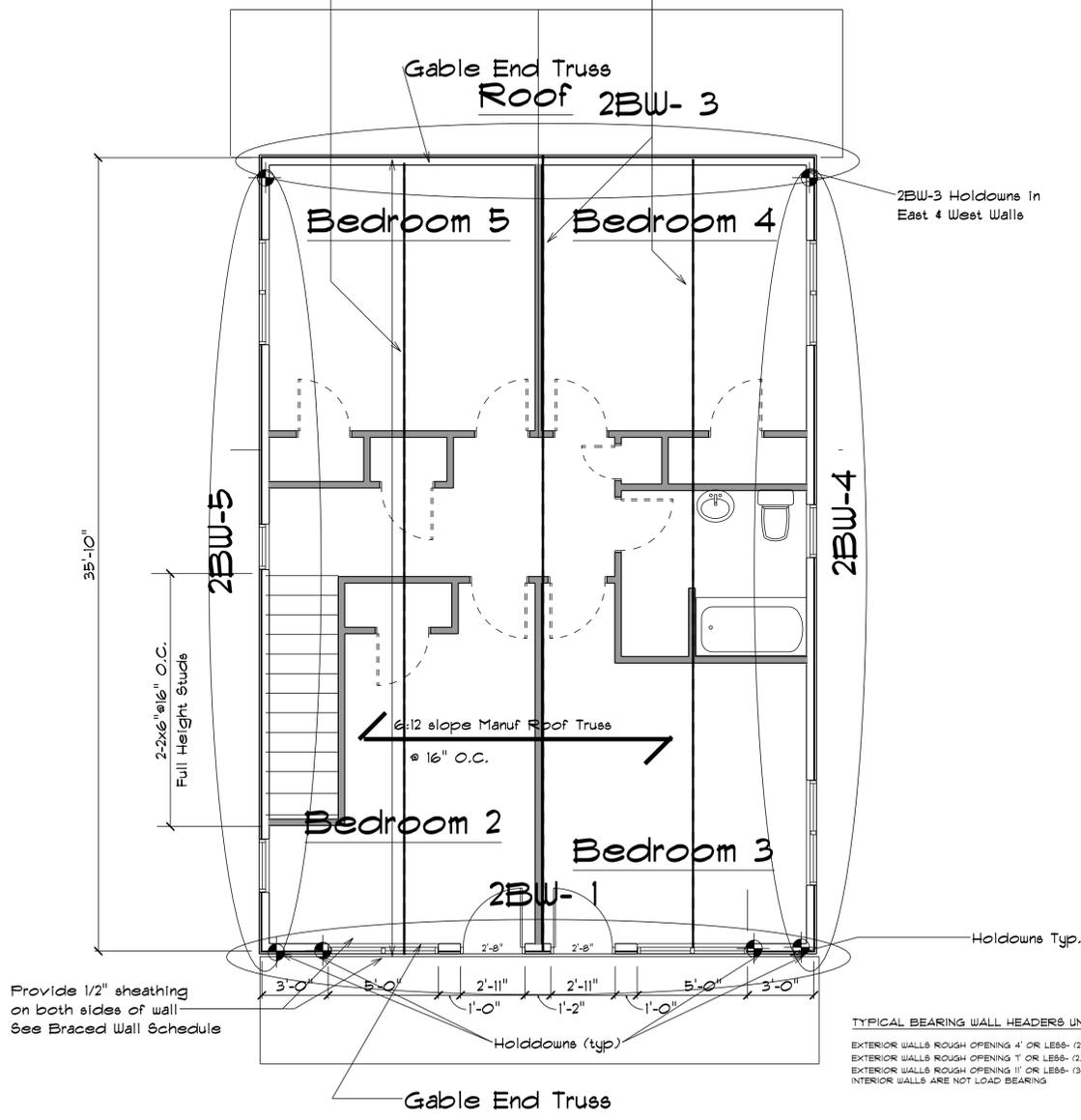
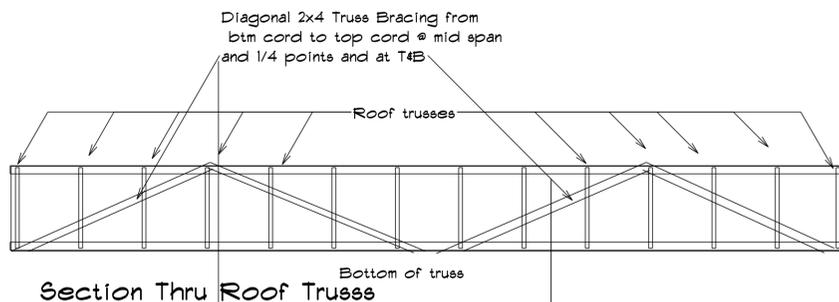
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DATE: 9/15/2014 CHECKED BY:

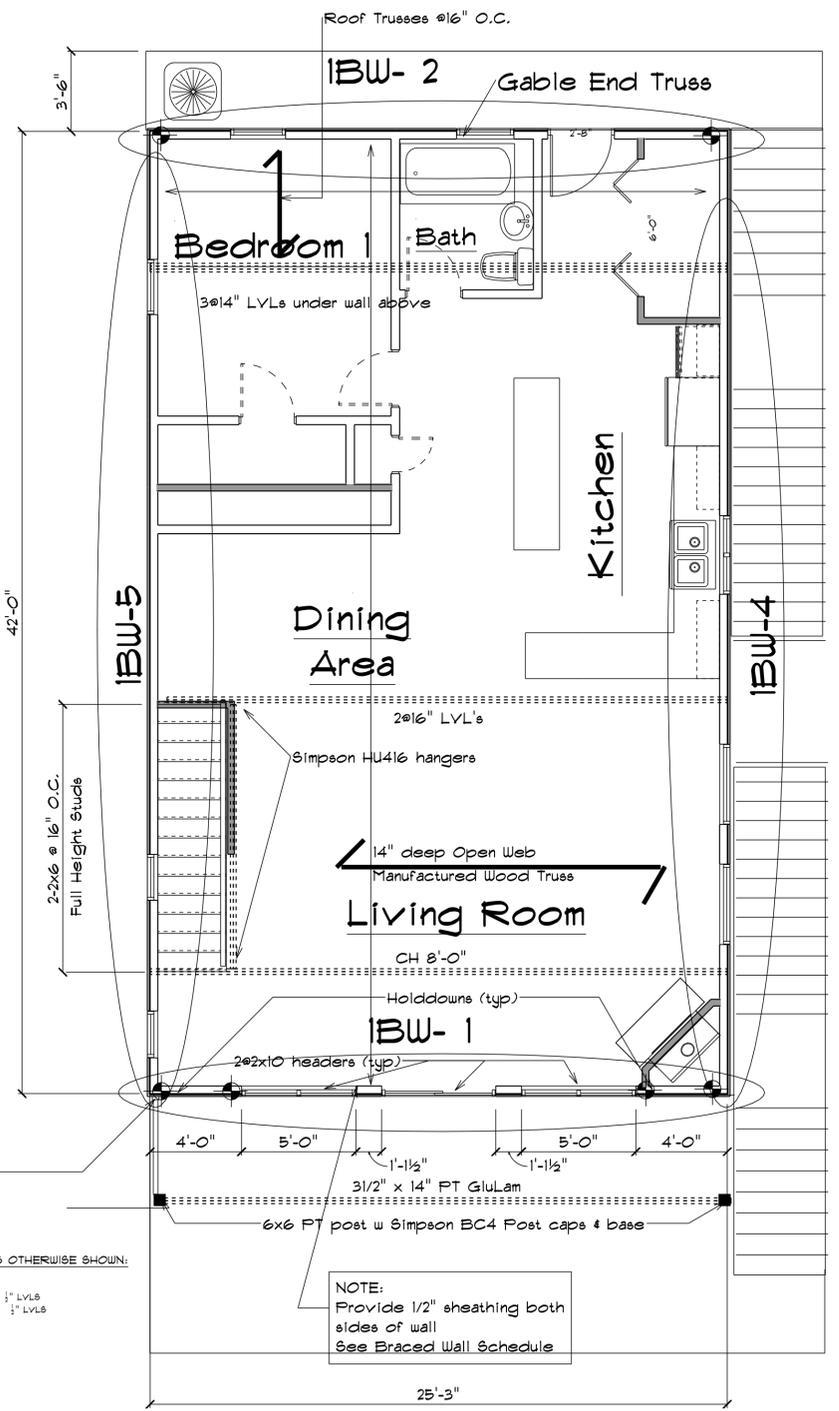
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Roof Framing
1/4" = 1'-0"

- ROOF FRAMING NOTES:**
1. ROOF CONSTRUCTION: PRE-FABRICATED WOOD TRUSSES WITH 15/32" APA RATED SHEATHING. SHEATHING TO BE FASTENED TO TRUSSES WITH 8d NAILS AT 6" O.C. (EDGE AND PANEL FIELD).
 2. PROVIDE PERMANENT DIAGONAL AND HORIZONTAL TRUSS BRACING AT 1/4 POINTS OF THE SPAN. COORDINATE THE LOCATIONS WITH TRUSS VERTICAL WEB MEMBERS. SEE PLAN.
 3. XBW-X DENOTES BRACED WALL DESIGNATION. SEE BRACED WALL SCHEDULE.
 4. ROOF TRUSSES TO BE ENGINEERED BY THE TRUSS MANUFACTURER'S PROFESSIONAL ENGINEER LICENSED IN THE STATE OF CONNECTICUT. TOTAL LOAD DEFLECTION LIMIT = L/240
 5. TRUSSES TO BE DESIGNED FOR THE FOLLOWING LOADS:
 - 5.1. TOP CHORD DEAD LOAD 18PSF
 - 5.2. TOP CHORD SNOW LOAD 30 PSF MINIMUM (BALANCE AND UNBALANCED CONDITIONS).
 - 5.3. BOTTOM CHORD DEAD LOAD 10 PSF
 - 5.4. WIND LOADS FROM 100 MPH 3 SECOND GUST, EXPOSURE C
 6. INSTALL PERMANENT HORIZONTAL AND DIAGONAL TRUSS BRACING AS SHOWN ON THE PLAN. THIS BRACING IS IN ADDITION TO ANY TRUSS MEMBER BRACING REQUIRED BY THE TRUSS DESIGNER.

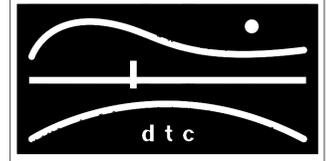


Second Floor Framing
1/4" = 1'-0"

- FLOOR FRAMING NOTES:**
1. FLOOR CONSTRUCTION: 1" TONGUE AND GROOVED SHEATHING GLUED AND SCREWED TO TRUSSES AND LVL BEAMS.
 2. ALL BEAMS ARE FLUSH FRAMED WITH THE FLOOR JOISTS UNLESS NOTED "DROPPED". PROVIDE JOIST HANGERS COMPATIBLE WITH THE JOISTS BEING SUPPORTED UNLESS A HANGER IS SPECIFIED ON THE PLAN.
 3. XBW-X DENOTES BRACED WALL DESIGNATION. SEE BRACED WALL SCHEDULE.
 4. FLOOR TRUSSES TO BE ENGINEERED BY THE TRUSS MANUFACTURER'S PROFESSIONAL ENGINEER LICENSED IN THE STATE OF CONNECTICUT. LIVE LOAD DEFLECTION LIMIT = L/480
 5. TRUSSES TO BE DESIGNED FOR THE FOLLOWING LOADS:
 - 5.1. TOP CHORD DEAD LOAD 18PSF
 - 5.2. TOP CHORD LIVE LOAD 40 PSF MINIMUM.
 - 5.3. BOTTOM CHORD DEAD LOAD 5 PSF

NOTES:

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OORR
APPLICATION NO. 1237
LARIA RESIDENCE
17 ANN STREET
MILFORD, CT

First Floor Plan
Second Floor Plan

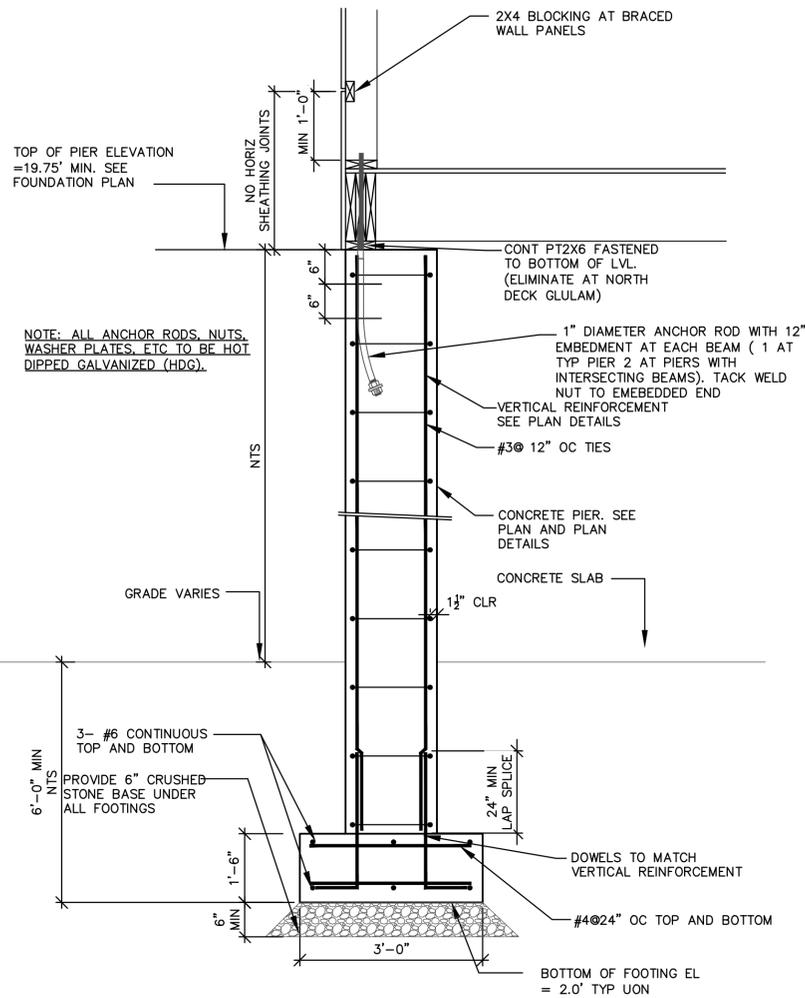
DTC PROJECT NUMBER: 13-449-019

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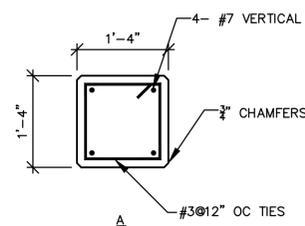
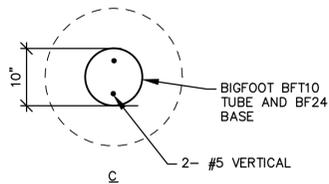
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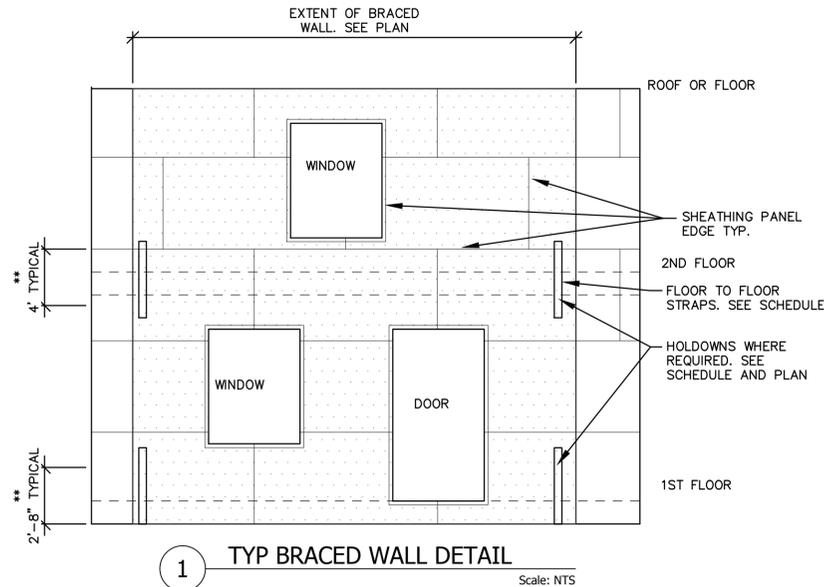
S-101



1 TYP SECTION Scale: 3/4"=1'-0"



A TYP PIER PLANS Scale: 3/4"=1'-0"



1 TYP BRACED WALL DETAIL Scale: NTS

NOTES:
 1. THIS DETAIL IS FOR GENERAL INFORMATION ONLY AND DOES NOT REPRESENT ANY SPECIFIC BRACED WALL. IT IS INTENDED TO BE A GUIDE TO THE SPECIFIC BRACED WALL CONSTRUCTION REQUIREMENTS.
 2. ** DENOTES DO NOT LOCATE HORIZONTAL PANEL JOINTS WITHIN THIS AREA. LOCATE HORIZONTAL JOINTS A MINIMUM OF 12" BELOW THE BOTTOM OF THE WALL AND A MINIMUM OF 12" ABOVE THE FLOOR JOISTS AS APPLICABLE. THIS REQUIREMENT APPLIES TO ALL EXTERIOR WALLS, NOT ONLY TO THE BRACED WALLS

BRACED WALL SCHEDULE

- BRACED WALL NOTES
- BRACED WALLS HAVE BEEN ENGINEERED FOR WIND LOADS BASED ON 100 MPH (3 sec gust) AND EXPOSURE C IN ACCORDANCE WITH THE 2013 AMENDMENT TO THE CONNECTICUT STATE BUILDING CODE.
 - ALL EXTERIOR WALLS AND BRACED WALLS MUST BE SHEATHED WITH 15/32" APA RATED EXTERIOR OSB OR PLYWOOD.
 - ALL BRACED WALL PANEL JOINTS MUST BE BACKED WITH 2X4 BLOCKING OR WALL STUDS UNLESS OTHERWISE NOTED IN THE SCHEDULE.
 - UNLESS OTHERWISE INDICATED IN THE BRACED WALL SCHEDULE, ALL PANEL EDGES TO BE FASTENED TO WALL STUDS, TOP AND BOTTOM PLATES, RIM JOISTS, AND HEADERS WITH 8d NAILS AT 6" OC. PANELS TO BE FASTENED TO ALL INTERMEDIATE FIELD SUPPORTS WITH 8d NAILS AT 12" OC.
 - BRACED WALL 2BW-3: LOCATE HOLDDOWNS IN EAST AND WEST WALLS. SEE PLAN
 - WHERE 2 LAYERS OF SHEATHING ARE REQUIRED, ONE LAYER IS ON THE INTERIOR FACE OF THE WALL AND ONE LAYER IS ON THE EXTERIOR FACE. OFFSET PANEL JOINTS FROM THE EACH LAYER.
 - WHERE HOLDDOWN ANCHOR ROD DOES NOT OCCUR AT A CONCRETE PIER BUT OCCURS AT AN LVL, INSTALL THE ANCHOR ROD VERTICALLY THROUGH THE LVL AND PROVIDE A NUT AND 3"x3"x3/8" PLATE WASHER UNDER THE BEAM. SEE DETAIL 3/S-102
 - INSTALL MATCHING HOLDDOWNS AND ANCHOR RODS ABOVE AND BELOW THE 2ND FLOOR. INSTALL (2) WALL STUDS AT EACH HOLDDOWN FOR FASTENING.
 - HOLDDOWNS SHOWN FOR THE 2ND FLOR WALLS ARE AT THE BOTTOM OF THE 2ND FLOOR WALLS. INSTALL A MATCHING HOLDDOWN BELOW THE 2ND FLOOR. CONNECT THE HOLDDOWNS TOGETHER BY WAY OF A THREADED ROD SIZED ACCORDING TO THE HOLDDOWN. REFER TO SIMPSON STRONG-TIE DETAIL FOR HDU TIES BETWEEN FLOORS.
 - FIRST FLOOR HOLDDOWNS ARE ANCHORED EITHER TO THE CONCRETE PIERS OR THROUGH LVL BEAMS DEPENDING ON THE LOCATION, PROVIDE ALL THREADED RODS, COUPLERS AND EXTENSION RODS TO ACCOUNT FOR THE FLOOR CONSTRUCTION CONDITION. SEE NOTE 7, DETAILS 3/S-102 AND 4-S102.
 - HDU2 AND HDU5 HOLDDOWNS REQUIRE A 3/8" DIAMETER RODS.
 - HDU11 REQUIRES A SIMPSON SB1X30 EMBEDDED A MINIMUM OF 24" INTO THE CONCRETE PIER.
 - BOTTOM PLATES OF ALL EXTERIOR WALLS AND BRACED WALLS TO BE ANCHORED TO THE FLOOR PERIMETER BEAMS AND RIM JOISTS WITH (2) 16d NAILS AT 8" OC

MARK	SHEATHING	PANEL EDGE FASTENING	HOLDDOWNS	COMMENTS
1BW-1	2 LAYERS OF 15/32"	8d NAILS AT 3" OC	SIMPSON HDU11	SEE NOTES 6 AND 7
1BW-2	15/32"	8d NAILS AT 3" OC	STHD14RJ	
1BW-3	NOT USED			NOT USED
1BW-4	15/32"	8d NAILS AT 4" OC	NONE	
1BW-5	15/32"	8d NAILS AT 6" OC	NONE	
2BW-1	2 LAYERS OF 15/32"	8d NAILS AT 3" OC	SIMPSON HDU5	SEE NOTE 8
2BW-2	NOT USED			NOT USED
2BW-3	15/32"	8d NAILS AT 6" OC	SIMPSON HDU2	SEE NOTE 5
2BW-4	15/32"	8d NAILS AT 6" OC	NONE	
2BW-5	15/32"	8d NAILS AT 6" OC	NONE	

THE CALCULATED LATERAL LOADS (WIND SHEAR) ARE:

LEVEL	TRANSVERSE WIND	LONGITUDINAL WIND
ROOF	6,850 LBS	3,375 LBS
2ND FLR	10,500 LBS	4,250 LBS
TOTAL	17,350 LBS	7,625 LBS

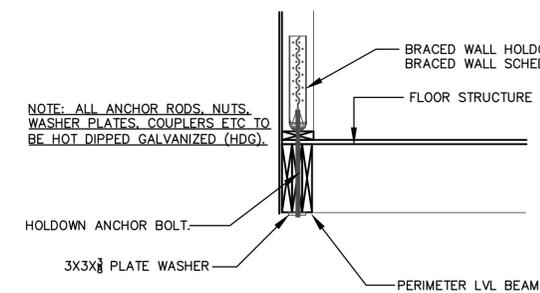
DESIGN BASIS

- ALL WORK SHALL CONFORM TO THE STATE BUILDING CODE, 2013 AMENDMENT TO THE 2005 CONNECTICUT SUPPLEMENT.
- SOIL BORINGS BY SITE, LLC DATED 10/9/13
- WIND LOADS: BASIC WIND SPEED 3 SECOND GUST 100 MPH EXPOSURE CATEGORY: C
- THE FOUNDATION HAS BEEN DESIGNED TO COMPLY WITH THE FLOOD ZONE REGULATIONS WITH A VE-15 DESIGNATION. BASE FLOOD ELEVATION 15.0' (NAVD 88). DESIGN FLOOD ELEVATION =18.75' + 1' FREEBOARD. BOTTOM OF THE LOWEST HORIZONTAL MEMBER SHALL BE AT ELEVATION 19.75' OR HIGHER. REFER TO THE DETAILS
- FLOOR LIVE LOAD: 40 PSF
- DECK; LIVE LOAD: 40 PSF
- SNOW LOAD: 30 PSF ROOF SNOW.
- SOIL BEARING PRESSURE = 3000 PSF

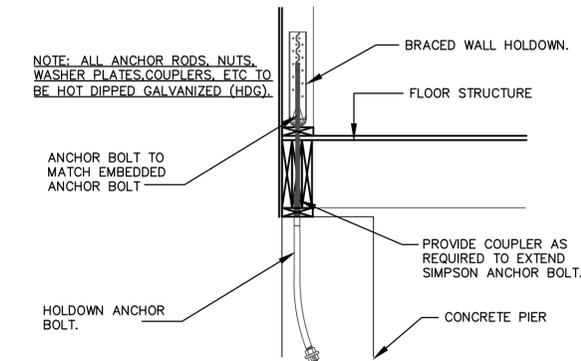
GENERAL NOTES

- IF GROUNDWATER IS ENCOUNTERED IN THE EXCAVATION, PUMP AND DISCHARGE LEGALLY. SEE SPECIFICATIONS.
- BOTTOM OF ALL GRADE BEAMS AND FOOTINGS TO BE 6 FEET BELOW FINISHED GRADE.
- NEW CONCRETE SHALL HAVE THE FOLLOWING 28 DAY COMPRESSIVE STRENGTHS:
 FOOTINGS: 3000 PSI
 GRADE BEAMS: 4000 PSI
 PIERS: 4000 PSI
- STEEL REINFORCEMENT BARS: ASTM A615 GRADE 60
- CONCRETE PIER SURFACES EXPOSED TO VIEW SHALL BE SMOOTH RUBBED FINISH.
- BOTTOMS OF ALL FOOTINGS AND GRADE BEAMS SHALL BE A MINIMUM OF 3'-6" BELOW FINISH GRADE.
- IN THE EVENT OF OVER EXCAVATION, FILL WITH LEAN CONCRETE OR 1/2" CRUSHED STONE PRIOR TO FORMING AND PLACING GRADE BEAMS OR FOOTINGS.
- ANY NEW WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.
- ALL FASTENERS (SIZE AND NUMBER) FOR METAL CONNECTORS (I.E. JOIST HANGERS, STRAPS, ETC.) SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S LITERATURE.
- ALL METAL CONNECTORS SHALL BE HOT DIPPED GALVANIZED TO THE MANUFACTURER'S MAXIMUM TREATMENT
- STRUCTURAL FILL AROUND THE GRADE BEAMS AND PIERS SHALL BE PLACED IN 12" LIFTS AND COMPACTED TO 95% OF THE MODIFIED PROCTOR (ASTM D1557). FILL SHALL MEET THE FOLLOWING GRADATION:

SIEVE SIZE	PERCENT PASSING
3.5	100%
3/4"	50 TO 100%
#4	25 TO 80%
#200	LESS THAN 15% OF #4
- IN LIEU OF THE NOTE #12 ABOVE, STRUCTURAL FILL MAY BE 3/8" CRUSHED STONE.
- LAMINATED VENEER LUMBER IS BASED Fb=2600 PSI, E= 2,000,000 PSI
- PRESERVATIVE TREATED GLULAM BEAMS ARE BASED ON ANTHONY FOREST PRODUCTS POWER PRESERVED GLULAMS,
- SAWN LUMBER STUDS TO BE DOUGLAS FIR STUD GRADE.
- METAL CONNECTORS ARE BASED ON SIMPSON STRONG-TIE.
- WHEREVER BEAMS OR JOISTS FRAME INTO BEAMS PROVIDE HANGERS COMPATIBLE WITH THE SIZE OF THE MEMBER BEING SUPPORTED UNLESS OTHERWISE SPECIFIED. PROVIDE ALL BLOCKING AND NAILERS REQUIRED FOR A COMPLETE INSTALLATION.
- PROVIDE (2) PT 2X10 LEDGERS FOR NEW DECK SUPPORTS. FASTEN TO LVLS BEAMS WITH 3/4" THROUGH BOLTS AT 16" OC.
- ALL FASTENERS (NAILS, SCREWS, BOLTS, THREADED RODS) OR METAL CONNECTORS AND PLATES IN CONTACT WITH PRESERVATIVE TREATED LUMBER OR EXPOSED TO THE WEATHER SHALL BE HOT DIPPED GALVANIZED



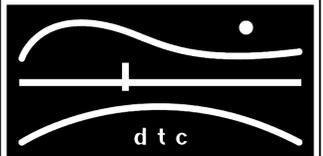
3 TYP HOLDOWN DETAIL AT BEAM Scale: 3/4"=1'-0"



4 TYP HOLDOWN DETAIL AT PIER Scale: 3/4"=1'-0"

NOTES:

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 STRUCTURES FOUNDATIONS INVESTIGATIONS
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 Tel 203-483-8789 Fax 203-483-8285

OORR
 APPLICATION NO. 1237
 LARIA RESIDENCE
 17 ANN STREET
 MILFORD, CT

DETAILS, SECTIONS &
 GENERAL NOTES

DTC PROJECT NUMBER: 13-449-019

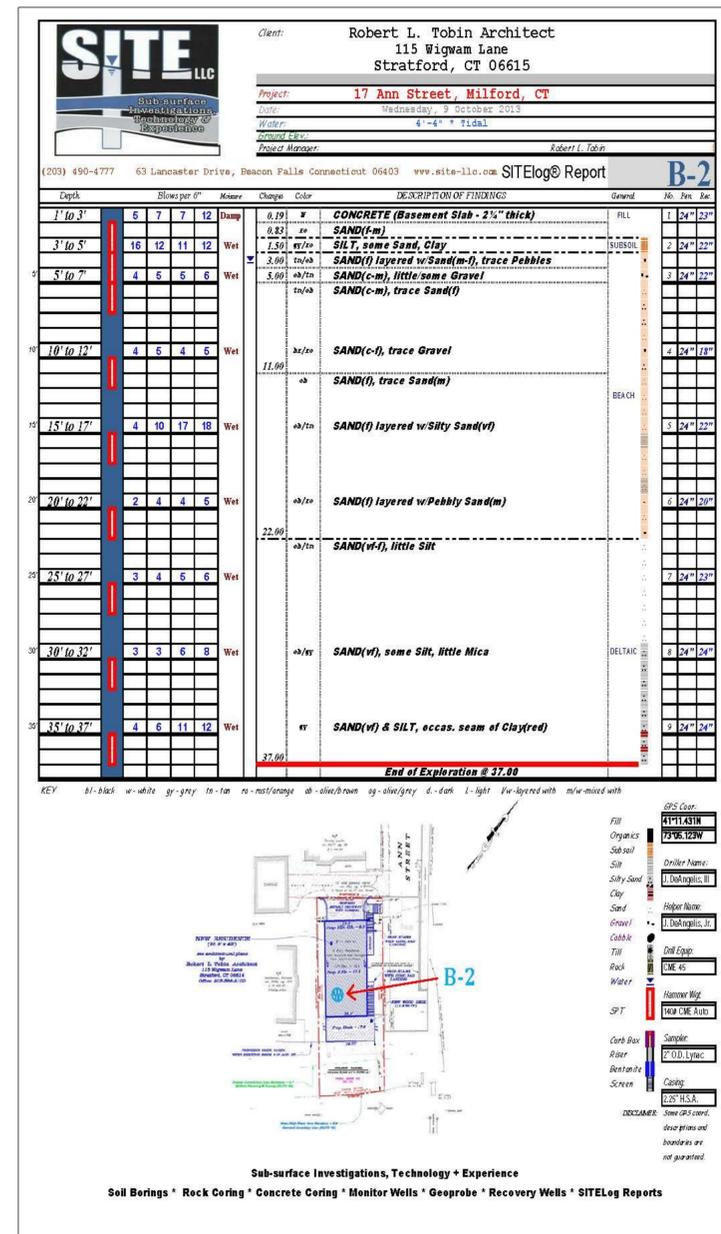
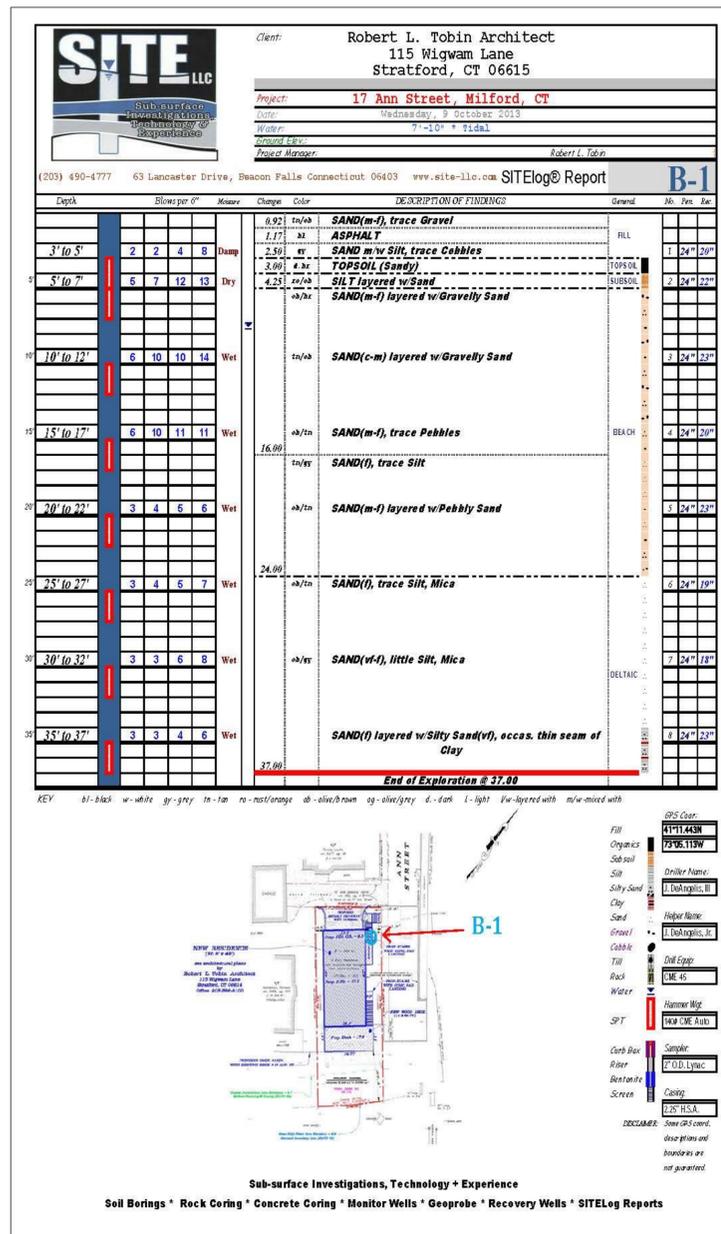
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DATE: 9/15/2014 CHECKED BY: CM

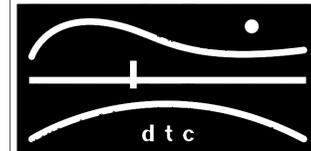
SHEET:

S-102



NOTES:

REVISIONS



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Test Boring Logs

DTC PROJECT NUMBER: 13-449-019

DTC DRAWING FILE:

SCALE: DRAWN BY:

DATE: 9/15/2014 CHECKED BY:

SHEET:

S-103

ABBREVIATIONS

®	AT	I.D.	INSIDE DIAMETER
A.C.	AIR CONDITIONING	IN.	INCH
ACOUST.	ACOUSTIC(AL)	INCL.	INCLUDING
A.D.	AREA DRAIN	INFO.	INFORMATION
ADDTL.	ADDITIONAL	INS.	INSULATION
A.F.C.	ABOVE FINISHED CEILING	INT.	INTERIOR
A.F.F.	ABOVE FINISHED FLOOR	L.	LENGTH
A.I.A.	AMERICAN INSTITUTE OF ARCHITECTS	LAM.	LAMINATE
A.I.E.E.	AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS	LAV.	LAVATORY
A.I.S.C.	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	LB.	POUND
AL.	ALUMINUM	L.F.	LINEAL FOOT
ALT.	ALTERNATE	LH.	LEFT HAND
APPR.	APPROXIMATELY	L.L.	LOT LINE
APT.	APARTMENT	L.P.	LOW POINT
ARCH.	ARCHITECT	LT.	LIGHT
A.S.	ALUMINUM SADDLE	MANUF.	MANUFACTURER
A.S.H.R.A.E.	AMERICAN SOCIETY OF HEATING, REFRIGERATION & AIR CONDITIONING ENGINEERS	MAT'L.	MATERIAL
		MAX.	MAXIMUM
		MECH.	MECHANICAL
A.S.M.E.	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	MED.	MEDIUM
		MIN.	MINIMUM
A.S.T.M.	AMERICAN SOCIETY FOR TESTING MATERIALS	MISC.	MISCELLANEOUS
		M.O.	MASONRY OPENING
A.W.G.	AMERICAN WIRE GAUGE	M.S.	MARBLE SADDLE
		MTL.	METAL
BD.	BOARD	N.	NORTH
BLDG.	BUILDING	NO.	NUMBER
BLK.	BLOCK	N.T.S.	NOT TO SCALE
BM.	BENCH MARK		
B.O.	BY OTHERS	O.A.	OUTSIDE AIR
B.T.U.	BRITISH THERMAL UNIT	OAD.	OVERALL DIMENSION
Ⓢ	CHANNEL	O.C.	ON CENTER
Ⓢ	CABINET	O.D.	OUTSIDE DIAMETER
CAB.	CABINET	OP'G.	OPENING
C.B.	CONCRETE BLOCK	P.C.F.	POUNDS PER CUBIC FOOT
C.H.	CEILING HEIGHT	PERF.	PERFORATED
C.J.	CONTROL JOINT	PERM.	PERMANENT
CL.	CLOSET	PERP.	PERPENDICULAR
CLG.	CENTERLINE	PH.	PHASE
CLR.	CLEAR	P.L.	PROPERTY LINE
C.O.	CLEAN OUT	PL.	PLASTIC LAMINATE
COL.	COLUMN	PL. LAM.	PLYWOOD
CONC.	CONCRETE	PLYWD.	PLYWOOD
CONN.	CONNECTION	PNL.	PANEL
CONST.	CONSTRUCTION	POL.	POLISHED
CONT.	CONTINUOUS	P.S.F.	POUNDS PER SQUARE FOOT
CONTR.	CONTRACTOR	P.S.I.	POUNDS PER SQUARE INCH
CPT.	CARPET	PTN.	PARTITION
CSK.	COUNTERSINK	PT.	PAINT
C.T.	CERAMIC TILE	PTG.	PAINTING
C.W.	COLD WATER	PR.	PAIR
D.	DEPTH	Q.T.	QUARRY TILE
DBL.	DOUBLE	QUAL.	QUALITY
DET.	DETAIL	R.	RADIUS
DIA.	DIAMETER	R.D.	ROOF DRAIN
DIAG.	DIAGONAL	RECP.	RECEPTACLE
DIM.	DIMENSION	RECV'D.	RECEIVED
DIV.	DIVISION	REF.	REFRIGERATOR
D.L.	DEAD LOAD	REINF.	REINFORCED/REINFORCEMENT
DN.	DOWN	REQ'D.	REQUIRED
DR.	DOOR	R.H.	RIGHT HAND
D.S.	DOWNSPOUT	RLG.	RAILING
DW.	DISHWASHER	RM.	ROOM
DWG.	DRAWING	R.O.	ROUGH OPENING
E.J.	EXPANSION JOINT	S.	SINK
E.L.	EMERGENCY LIGHT	SAD.	SADDLE
ELEC.	ELECTRICAL	S.C.	SOLID CORE
ELEV.	ELEVATION	SCHED.	SCHEDULE
ENG.	ENGINEER	SECT.	SECTION
EQ.	EQUAL	SEP.	SEPARATE
EQUIP.	EQUIPMENT	S.F.	SQUARE FEET
EW.H.	ELECTRICAL WALL HEATER	SIM.	SIMILAR
EXT.	EXTERIOR	SPEC.	SPECIFICATION
EXSTG.	EXISTING	SO.	SQUARE
F.D.	FLOOR DRAIN	SRV.S.	SERVICE SINK
F.E.	FIRE EXTINGUISHER	S/S.	STAINLESS STEEL
F.H.C.	FIRE HOSE CABINET	STD.	STANDARD
F.H.R.	FIRE HOSE RACK	STL.	STEEL
FIN.	FINISH(ES)	STRUC.	STRUCTURAL
FIXT.	FIXTURE	T.	TREAD(S)
FL.	FLASHING	TEL.	TELEPHONE
FLR.	FLOOR	THK.	THICK/ THICKNESS
F.P.	FIREPROOF	T.O.C.	TOP OF CONCRETE
FT.	FOOT	TYP.	TYPICAL
FTG.	FOOTING	U.O.N.	UNLESS OTHERWISE NOTED
G.A.	GUAGE	U.S.	UNDERSIDE
GAL.	GALLON	V.C.T.	VINYL COMPOSITION TILE
GALV.	GALVANIZED	VERT.	VERTICAL
G.C.	GENERAL CONTRACTOR	VEST.	VESTIBULE
GL.	GLASS TYPE	V.I.F.	VERIFY IN FIELD
GYP. BD.	GYPSSUM BOARD	VOL.	VOLUME
H.B.	HOSE BIB	W.	WIDTH
HDW.	HARDWARE	W/.	WITH
H.M.	HOLLOW METAL	W.C.	WATER CLOSET
HOR.	HORIZONTAL	WD.	WOOD
H.P.	HIGH POINT	W/O.	WITHOUT
HR.	HOSE	W/P.	WATERPROOFING
HT.	HEIGHT	W.S.	WOOD SADDLE
HTG.	HEATING	WT.	WEIGHT
H.W.	HOT WATER	W.W.M.	WELDED WIRE MESH
		YD.	YARD

GENERAL NOTES

- 1.0 SCOPE OF WORK
- 1.1 RAISE EXISTING 2 STORY HOUSE 1 ADDITIONAL STORY, ABOVE THE 500 YEAR FLOOD ELEVATION. ALSO INTERIOR REPAIRS TO STORM DAMAGED AREAS AND MINOR INTERIOR RENOVATION.
 - 1.2 THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LABOR, EQUIPMENT, MATERIALS AND THEIR SECURITY ON THE SITE.
 - 1.3 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.
 - 1.4 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 SAME TO OWNER. THE CONTRACTOR SHALL FILE REQUIRED CERTIFICATES OF INSURANCE WITH THE DEPARTMENT OF BUILDINGS.
 - 1.5 ALL USE TAX, SALES TAX AND ANY OTHER CHARGES RELATIVE TO THE 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.
 - 1.6 THE CONTRACTOR SHALL VISIT THE SITE AND ACQUAINT HIM OR HERSELF WITH ALL EXISTING CONDITIONS. FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY IN PERFORMANCE OF THE CONTRACT.
 - 1.7 ALL DIMENSIONS SHOWN ON THE DRAWINGS OR MENTIONED IN THE SPECIFICATIONS ARE DESIGN DIMENSIONS FOR PURPOSES OF PLANNING ONLY AND SHALL BE VERIFIED WITH THE CONTRACTOR'S MEASUREMENT OF ACTUAL DIMENSIONS IN THE FIELD.
 - 1.8 ALL REQUIREMENTS SPECIFIED IN THE STATE OF CONNECTICUT BUILDING CODE AND ALL OTHER APPLICABLE CODES SHALL BE ADHERED TO AS IF THEY WERE EXACTLY REPRESENTED ON THE DRAWINGS. THIS SHALL NOT BE CONSTRUED TO MEAN THAT ANY OF THE REQUIREMENTS SET FORTH IN THE DRAWINGS MAY BE MODIFIED BECAUSE THEY ARE MORE STRINGENT THAN THE CODE REQUIREMENTS OR ARE NOT SPECIFICALLY REQUIRED BY CODE.
 - 1.9 THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD PRIOR TO COMMENCING THE WORK, AND SHALL REPORT ANY DISCREPANCIES BETWEEN THE DRAWINGS AND FIELD CONDITIONS TO THE ARCHITECT IN A TIMELY MANNER.
 - 1.10 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.
 - 1.11 THE CONTRACTOR SHALL COORDINATE ALL WORK PROCEDURES WITH REQUIREMENTS OF LOCAL AUTHORITIES.
 - 1.12 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.
 - 1.13 THE CONTRACTOR SHALL LAYOUT THEIR OWN WORK AND SHALL PROVIDE ALL DIMENSIONS REQUIRED FOR OTHER TRADES (PLUMBING, ELECTRICAL, ETC.)
 - 1.14 PLUMBING AND ELECTRICAL WORK SHALL BE PERFORMED BY PERSONS LICENSED IN THEIR TRADES, WHO SHALL ARRANGE FOR AND OBTAIN INSPECTIONS AND REQUIRED SIGN-OFFS.
 - 1.15 THE CONTRACTOR SHALL PERFORM ALL CUTTING, PATCHING AND REPAIRING AS REQUIRED TO PERFORM ALL THE WORK AS INDICATED ON THE DRAWINGS, AND ALL OTHER WORK THAT MAY BE REQUIRED TO COMPLETE THE JOB.
- 2.0 EXISTING CONDITIONS
- 2.1 AT THE APPEARANCE OF A DISCREPANCY OR CONFLICT BETWEEN THE INFORMATION INDICATED ON THE DRAWINGS AND THE CONDITIONS IN THE FIELD, OR A DISCREPANCY OR CONFLICT BETWEEN DRAWINGS, AND / OR DRAWINGS AND SPECIFICATIONS, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROMPTLY REPORT THE MATTER TO THE ARCHITECT FOR INTERPRETATION. THE ARCHITECT SHALL MAKE A TIMELY DETERMINATION TO CLARIFY ANY SUCH DISCREPANCY.
 - 2.2 ALL EXISTING MATERIALS AND EQUIPMENT TO REMAIN SHALL BE THOROUGHLY PROTECTED BY THE CONTRACTOR. ANY SUCH MATERIALS OR EQUIPMENT DAMAGED OR DESTROYED BY THE CONTRACTOR OR SUBCONTRACTORS DURING THE COURSE OF THE WORK SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.
- 3.0 DIMENSIONS AND LAYOUT
- 3.1 NECESSARY DIMENSIONS AND RELATIONSHIPS ARE INDICATED ON THE DRAWINGS AND SHALL BE STRICTLY COMPLIED WITH. DRAWINGS SHALL NOT BE SCALED. USE WRITTEN DIMENSIONS OR WRITTEN INDICATIONS OF RELATIONSHIP ONLY.

DEMOLITION NOTES

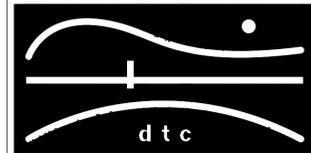
1. CONTRACTOR SHALL PERFORM ALL OPERATIONS AS DEMOLITION AND REMOVAL INDICATED ON THE DRAWINGS AND AS MAY BE REQUIRED BY THE WORK. ALL WORK SHALL BE DONE CAREFULLY AND NEATLY, IN A SYSTEMATIC MANNER.
2. THE CONTRACTOR SHALL FILE ALL NECESSARY CERTIFICATES OF INSURANCE WITH THE DEPARTMENT OF BUILDINGS, PAY ALL FEES, OBTAIN ALL PERMITS AND PROVIDE ANY AND ALL BONDS REQUIRED BY ANY CITY AGENCY IN ORDER TO DO THE WORK HEREIN DESCRIBED.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DEMOLITION AND CARTING AWAY FROM THE BUILDING SITE OF ALL MATERIALS THAT MUST BE REMOVED TO COMPLETE THE PROJECT. IN THE PROCESS OF CONSTRUCTION, DEMOLITION, AND CARTING OF MATERIALS, DEBRIS, AND EQUIPMENT IN AND OUT OF THE CONSTRUCTION SITE, CARE SHALL BE TAKEN TO PROTECT ALL EXISTING AREAS, BEAMS, PIPES, DUCTS, AND FINISHES THAT ARE NOT TO BE AFFECTED BY CONSTRUCTION OR DEMOLITION. SHOULD ANY OF THESE AREAS, BEAMS, PIPES, ETC. OF THE BUILDING BE DAMAGED, THEY SHALL BE REPAIRED OR REPLACED BY CONTRACTOR AT NO EXPENSE TO THE OWNER.
4. 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. THESE PRECAUTIONS SHALL INCLUDE BUT MAY NOT BE LIMITED TO ERECTION AND MAINTENANCE OF PROTECTIVE COVERINGS AND SHORING AND BRACING AS REQUIRED.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY INCIDENTAL DAMAGE TO EXISTING WORK.
6. ALL ADJOINING PROPERTY AFFECTED BY ANY OPERATIONS OF DEMOLITION SHALL BE PROTECTED.
7. CONTRACTOR SHALL REMOVE AND STORE ALL EXISTING FIXTURES, FITTINGS AND MATERIALS TO BE SALVAGED IN A DESIGNATED "CLEAN ROOM" WHICH SHALL BE LOCKED AT ALL TIMES AND KEPT CLEAN, DRY AND DUST FREE. EXISTING FIXTURES, FITTINGS, MATERIALS, ETC., TO BE SALVAGED SHALL BE DETERMINED BY CLIENT AND ARCHITECT IN THE FIELD.
8. REMOVE DEMOLISHED MATERIALS FROM THE SITE IN A TIMELY MANNER. LEAVE SITE CLEAN AND FREE OF DANGEROUS CONDITIONS. NO DEBRIS SHALL BE ALLOWED TO ACCUMULATE ON THE SITE. DEBRIS SHALL BE REMOVED BY THE CONTRACTOR AS THE JOB PROCEEDS. THE SITE SHALL BE LEFT BROOM CLEAN AT THE COMPLETION OF DEMOLITION.
9. CONTRACTOR SHALL PERFORM ALL DEMOLITION REQUIRED FOR THE COMPLETION OF THE PROJECT.
THE DRAWINGS SHOULD NOT BE CONSTRUED TO INDICATE FULL EXTENT OR PRECISE NATURE OF REQUIRED DEMOLITION. ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND AS DRAWN CONDITIONS SHALL BE REPORTED TO THE ARCHITECT PRIOR TO DEMOLITION.

DRAWING SYMBOLS LIST

- | | |
|-------------|---|
| | ROOM NUMBER AND IDENTIFICATION |
| | DOOR NUMBER |
| | WALL TYPE - REFER TO WALL TYPE LEGENDS ON A-100, A-101 & A-102 |
| | REVISION NUMBER |
| | DATUM ELEVATION REFERENCE |
| | ALIGN |
| DETAIL NO. | SECTION/ ELEVATION DETAIL REFERENCE |
| DRAWING NO. | |
| DETAIL NO. | DETAIL REFERENCE |
| DRAWING NO. | |
| | ALTERNATE SCOPE OF WORK REFERENCE - REFER TO SPECIFICATION FOR DESCRIPTION OF SCOPE INCLUDED. |

NOTES:

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General Notes
Demolition Notes
Abbreviations
Symbol Legend

DTC PROJECT NUMBER: 13-449-019

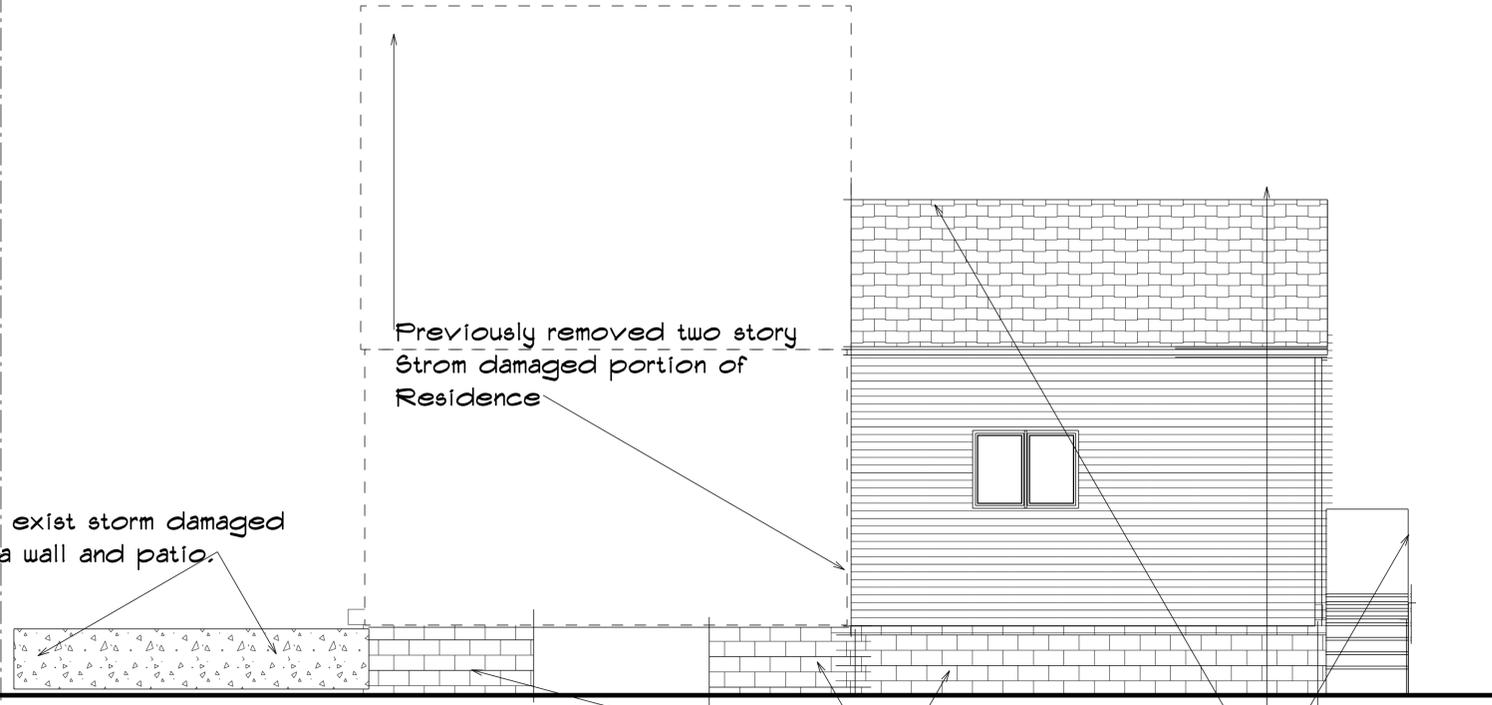
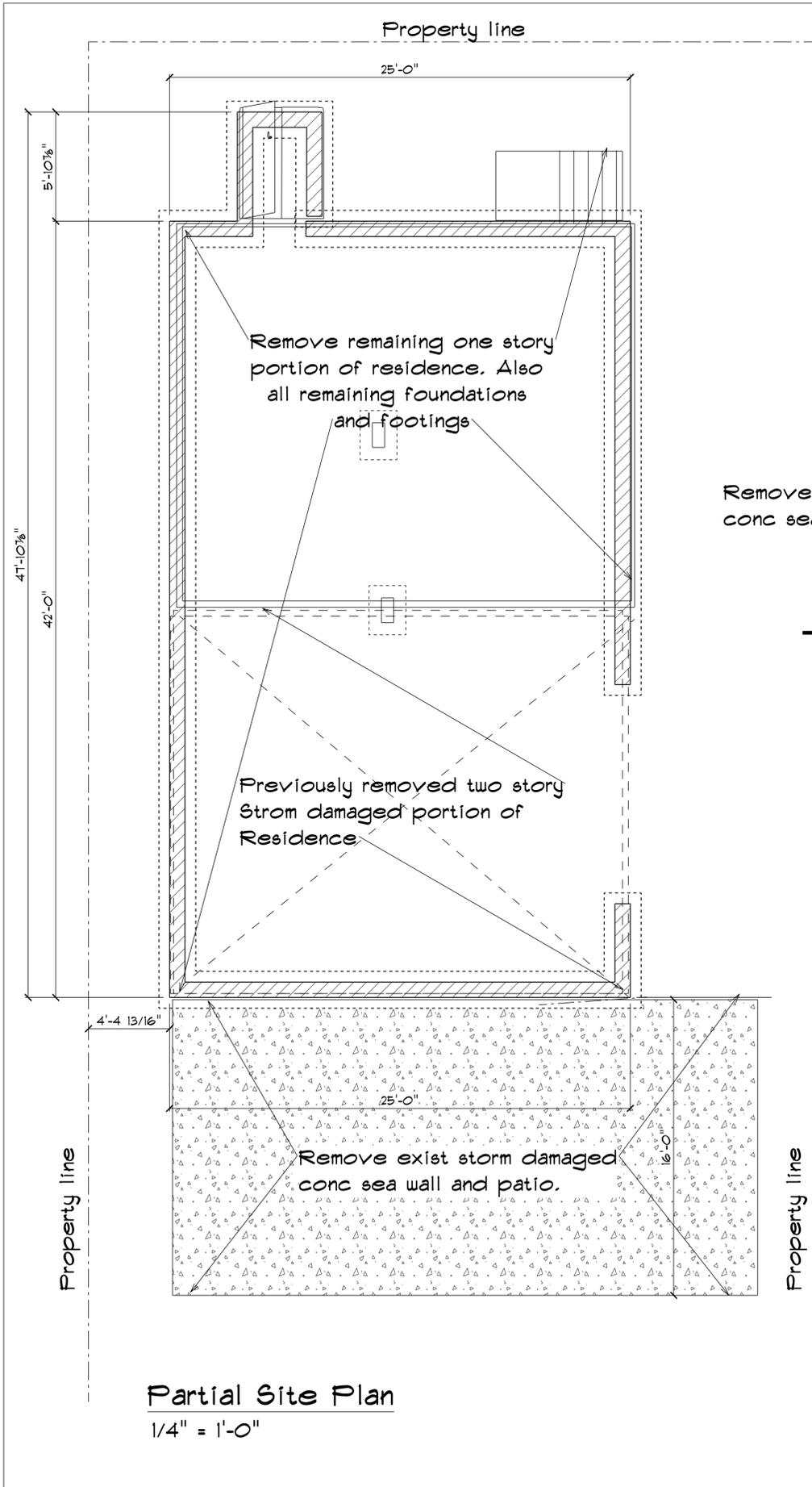
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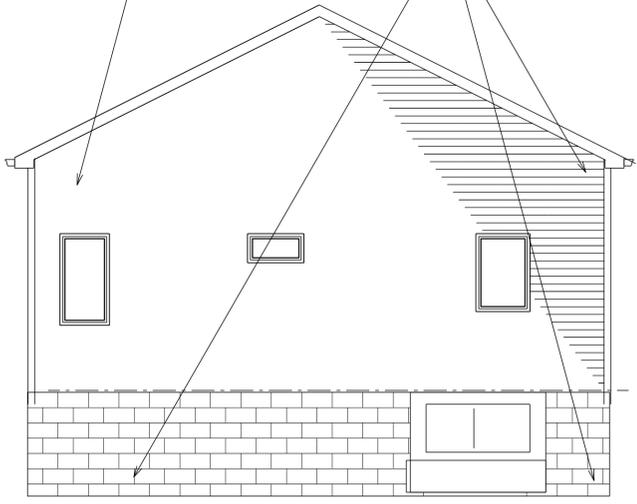
A-001



Remove previously uninstalled and stored on first floor kitchen, bath room fixtures and glass partitions and relocate to owner supplied storage facility at Eagle storage in Orange, CT.

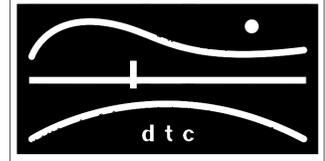
These fixtures and cabinet are to be returned, repaired and reinstalled in new construction.

Place all Soil Erosion and Debris fencing prior to start of demolition



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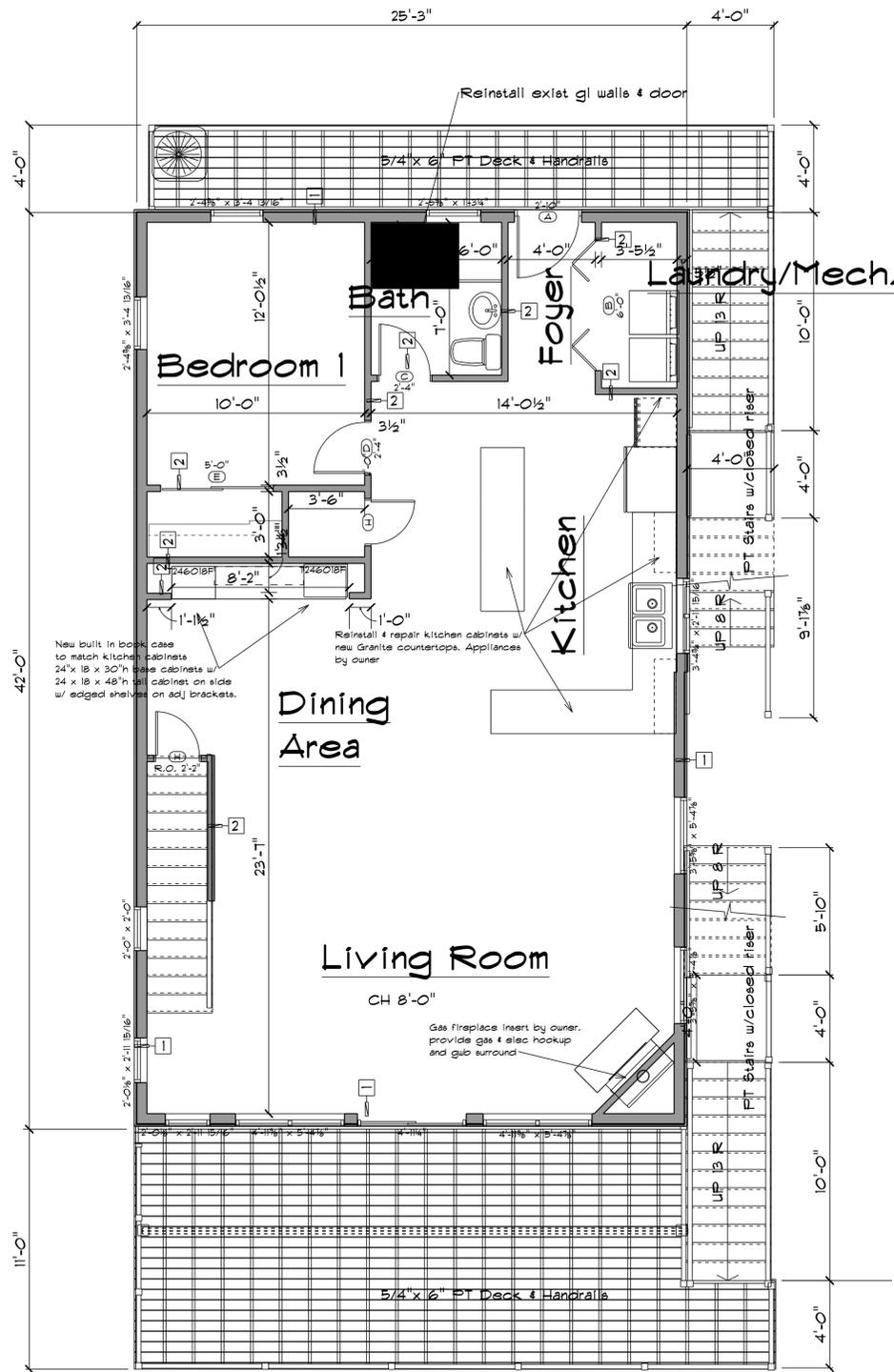
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OORR
APPLICATION NO. 1237
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Site & Building Demolition

DTC PROJECT NUMBER: 13-449-019	
DTC DRAWING FILE:	
SCALE:	DRAWN BY:
DATE: 9/15/2014	CHECKED BY:
SHEET:	

D-100



WALL LEGEND

1 New Exterior Wall
 1/2" sliding
 Air Barrier
 1/2" OSB sheathing
 2x6 Wd. Studs @ 16" O.C.
 R-21 Batt Insul
 4 Mil Poly Vapor Barrier
 1/2" GUB Painted 1 coat primer 2 coats finish

2 New Interior Wall
 New 1/2" GUB both sides
 New 2x4 Wd. Studs @ 16" O.C.
 GUB Painted 1 coat primer 2 coats finish

OPENING SCHEDULE

OPENING ID	LIBRARY NAME	SIZE	HINGE DIRECTION	REVERSED	TEMPERED GLASS
A	Exterior Door/Country	2'-10"	R	NO	Yes
B	Interior Door/Bifold	6'-0"	LR	NO	No
C	Interior Door/Colonial	2'-4"	L	NO	No
D	Interior Door/Colonial	2'-4"	L	NO	No
E	Interior Door/Sliding	5'-0"	NN	NO	No
F	Interior Door/Colonial	2'-0"	L	NO	No
G	Therma-Tru	4'-11 1/4"	NN	NO	Yes
H	Interior Door/Colonial	2'-0"	L	NO	No

Windows
 Remove & Replace all windows and doors. Field measure all existing openings and new openings in field for New windows, Low E glass & Screens.

DOOR TYPES

HARDWARE TYPES
 1 - EXTERIOR HARDWARE
 2 - UNIT ENTRY HARDWARE
 3 - PASSAGE
 4 - PRIVACY HARDWARE
 5 - CLOSET

NOTE:
 GLAZING TO HAVE
 A MINIMUM U-VALUE = .35

FULL GLASS THERMA-TRU
 SLIDING THERMA-TRU
 MASONITE
 MASONITE
 MASONITE

Fiberglass/ Tempered Low E/ Insulated
 LOW E/ Tempered

ROOM FINISH SCHEDULE

ROOM NAME	FLOORING	CEILING FINISH	WALLCOVERING	BASEBOARD	CEILING MATERIAL
LIVING ROOM	Oak	Paint	Paint	Col.Wd.	Drywall
Dining	Oak	Paint	Paint	Col.Wd.	Drywall
BATH	Ceramic2	Paint	Paint/Shwr Tile	Col.Wd.	Drywall
KITCHEN	Tile 1	Paint	Paint	Col.Wd.	Drywall
FOYER	Tile 1	Paint	Paint	Col.Wd.	Drywall
Laundry /Mech.	Tile 1	Paint	Paint	Col.Wd.	Drywall
STORAGE	Oak	Paint	Paint	Col.Wd.	Drywall
Bedroom	Oak	Paint	Paint	Col.Wd.	Drywall
Bedroom Clo.	Oak	Paint	Paint	Col.Wd.	Drywall
STAIR	Oak	Paint	Paint	Col.Wd.	Drywall

Insulation:

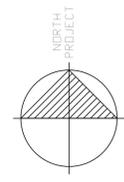
Walls R-21
 Floors R-30
 Roof R-38

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

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

Code Notes:
 2003 IRC with 2005 CT Supplement And 2014 Amendments
 2009 IECC

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



TYPICAL BEARING WALL HEADERS UNLESS OTHERWISE SHOWN:
 EXTERIOR WALLS ROUGH OPENING 4' OR LESS- (2) 2X10
 EXTERIOR WALLS ROUGH OPENING 1' OR LESS- (2) 2
 EXTERIOR WALLS ROUGH OPENING 1' OR LESS- (3) 2
 INTERIOR WALLS ARE NOT LOAD BEARING

First Floor

NOTES:

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First Floor Plan

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SHEET:

A-100

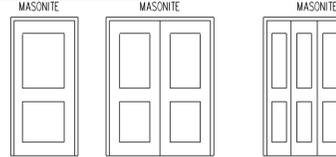
DOOR SCHEDULE				
OPENING ID	PRODUCT CODE	SIZE	HINGE DIRECTION	TEMPERED GLASS
A	28X80 COLONIAL A 1	2'-4"	L	No
B	30X80 COLONIAL A 1	2'-6"	L	No
C	28X80 COLONIAL A 1	2'-4"	R	No
F	30X80 COLONIAL A 1	2'-6"	R	No
G	24X80 COLONIAL A 1	2'-0"	R	No
H	30X80 COLONIAL A 1	2'-6"	L	No
I	18X80 COLONIAL A 1	1'-6"	R	No
J	30X80 COLONIAL A 1	2'-6"	L	No
K	28X80 COLONIAL A 1	2'-4"	R	No
L	30X80 COLONIAL A 1	2'-6"	R	No
M	28X80 COLONIAL A 1	2'-4"	L	No
L	Exterior Full Glass	2'-6"	R	YES
M	Exterior Full Glass	2'-4"	L	YES

Windows:
 Heavy on equal
 New windows, Low e glass & Screens, DP35
 Loading

DOOR TYPES

- HARDWARE TYPES
 1 - EXTERIOR HARDWARE
 2 - UNIT ENTRY HARDWARE
 3 - PASSAGE
 4 - PRIVACY HARDWARE
 5 - Closet

NOTE:
 GLAZING TO HAVE
 A MINIMUM U-VALUE=.35

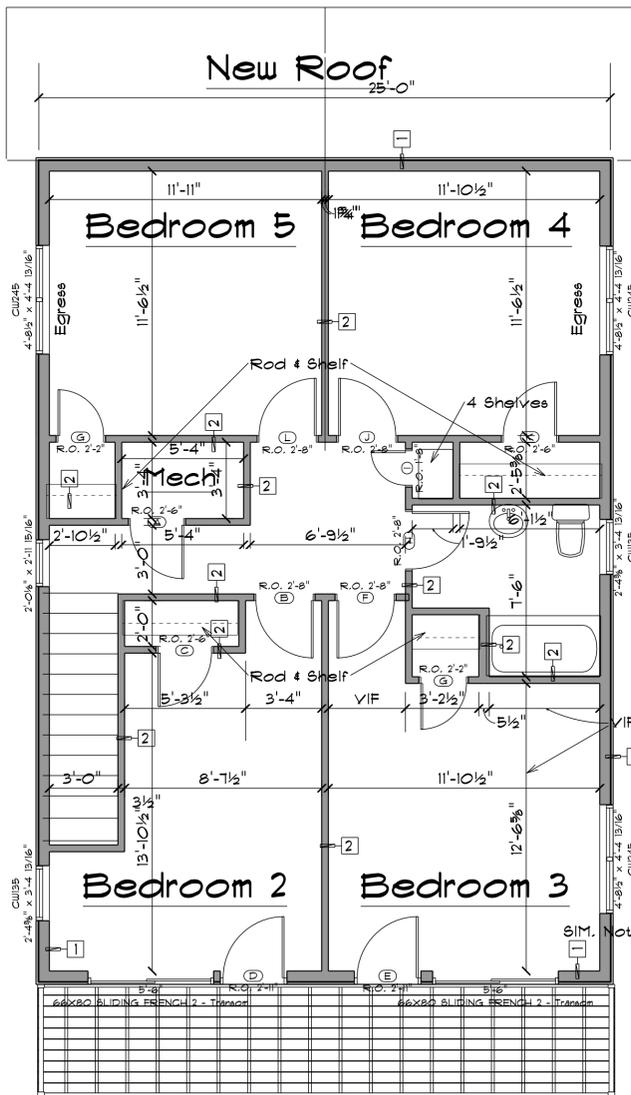


ROOM FINISH SCHEDULE					
ROOM NAME	FLOORING	CEILING FINISH	WALLCOVERING	BASEBOARD	CEILING MATERIAL
BEDROOM # 2 & Closet	Engineered Laminate	Paint	Paint	Col. Base	Drywall
BEDROOM # 3 & Closet	Laminate				Drywall
BEDROOM # 4 & Closet					Drywall
BEDROOM # 5 & Closet					Drywall
CLOSET					Drywall
Linen Closet					Drywall
HALL					Drywall
BATH	Ceramic Tile			Ceramic Tile	Drywall

WALL LEGEND

- 1 New Exterior Wall
 Vinyl siding
 Air Barrier
 1/2" OSB sheathing
 2x6 Wd. Studs @ 16" O.C.
 R-21 Batt Insul
 4 Mil Poly Vapor Barrier
 1/2" GUB Painted 1 coat primer 2 coats finish

- 2 New Interior Wall
 New 1/2" GUB both sides
 New 2x4 Wd. Studs @ 16" O.C.
 GUB Painted 1 coat primer 2 coats finish

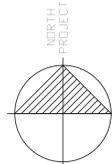


Note sheathing both sides of wall see S-100 & S-102

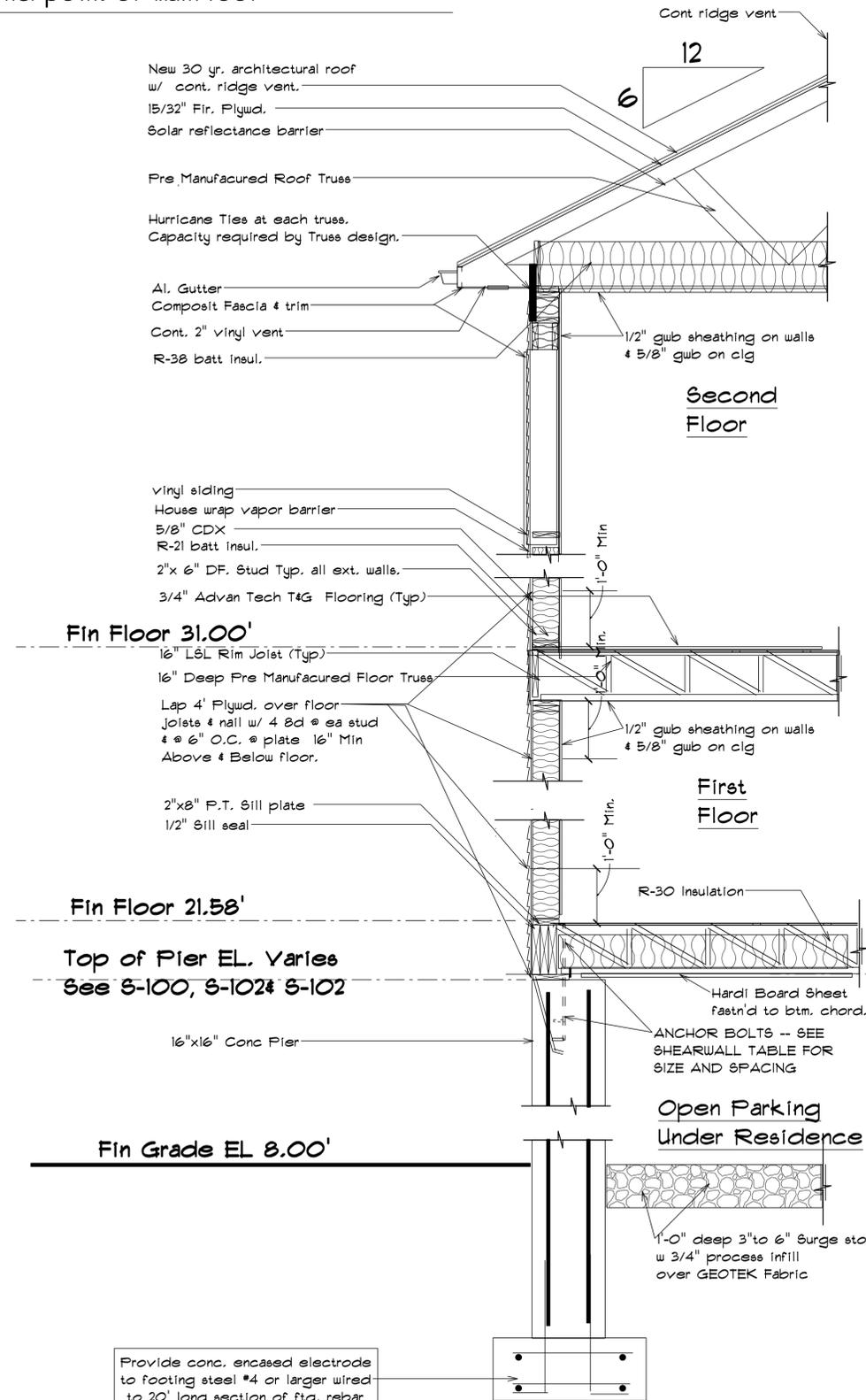
TYPICAL BEARING WALL HEADERS UNLESS OTHERWISE SHOWN:

- EXTERIOR WALLS ROUGH OPENING 4' OR LESS- (1) 2X10
 EXTERIOR WALLS ROUGH OPENING 7' OR LESS- (2) 3" LVLs
 EXTERIOR WALLS ROUGH OPENING 11' OR LESS- (3) 5" LVLs
 INTERIOR WALLS ARE NOT LOAD BEARING

Second Floor



Mid point of main roof



Provide conc. encased electrode to footing steel #4 or larger wired to 20' long section of ftg. rebar

Typical Wall Section
 NTS

NOTES:

REVISIONS

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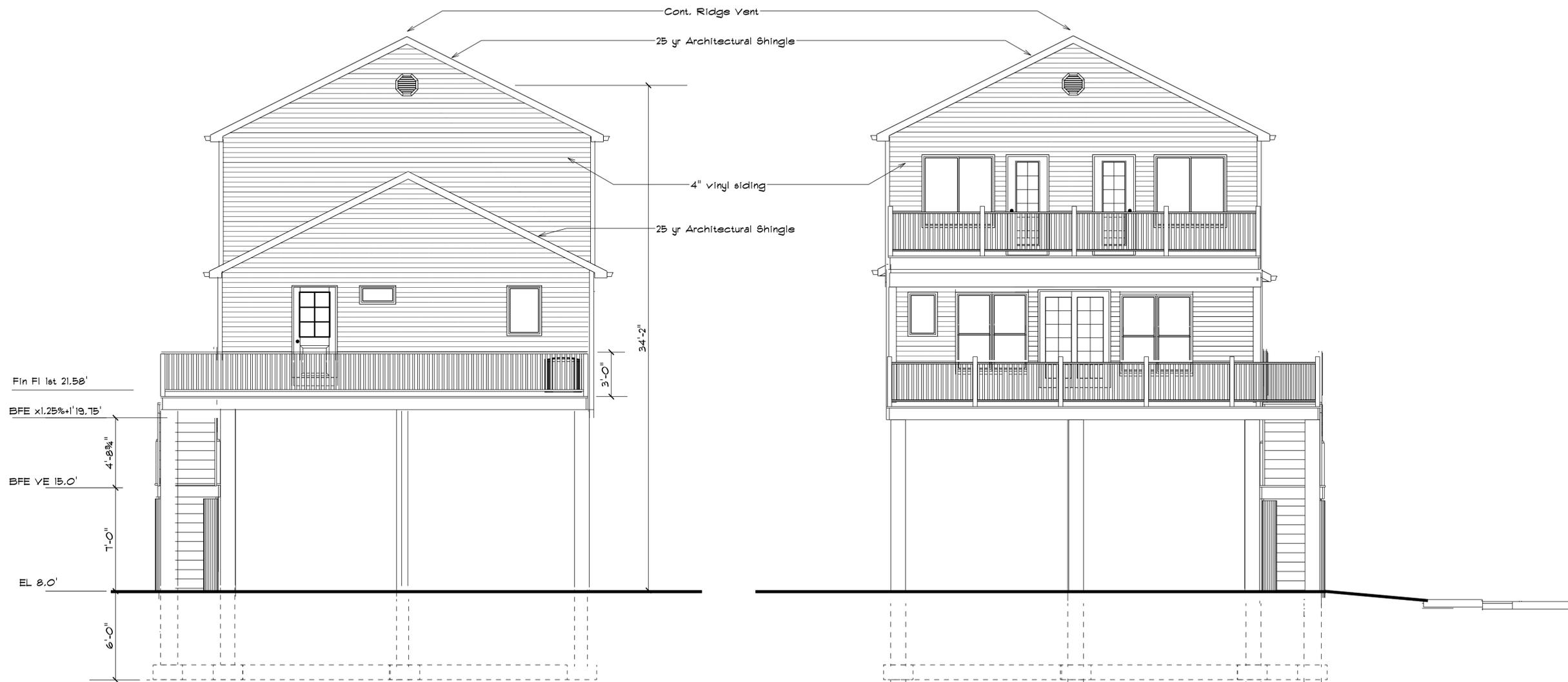
Cmars Engineering, LLC
 STRUCTURES FOUNDATIONS INVESTIGATIONS
 55 Orchard Hill Road, Branford, CT 06405
 Tel 203-483-8189 Fax 203-483-8285

OORR
 APPLICATION NO. 1237
 LARIAI RESIDENCE
 17 ANN STREET
 MILFORD, CT

Second Floor Plan
 Wall Section AA

DTC PROJECT NUMBER: 13-449-019
 DTC DRAWING FILE:
 SCALE: DRAWN BY:
 DATE: 9/15/2014 CHECKED BY:

SHEET:
 A-101



North Elevation

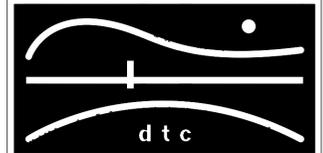
1/4" = 1'-0"

South Elevation

1/4" = 1'-0"

NOTES:

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LARIA RESIDENCE
17 ANN STREET
MILFORD, CT

North Elevation
South Elevation

DTC PROJECT NUMBER: 13-449-019

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A-200

Cont. Ridge Vent

25 yr Architectural Shingle

Cont. Ridge Vent

4" vinyl siding

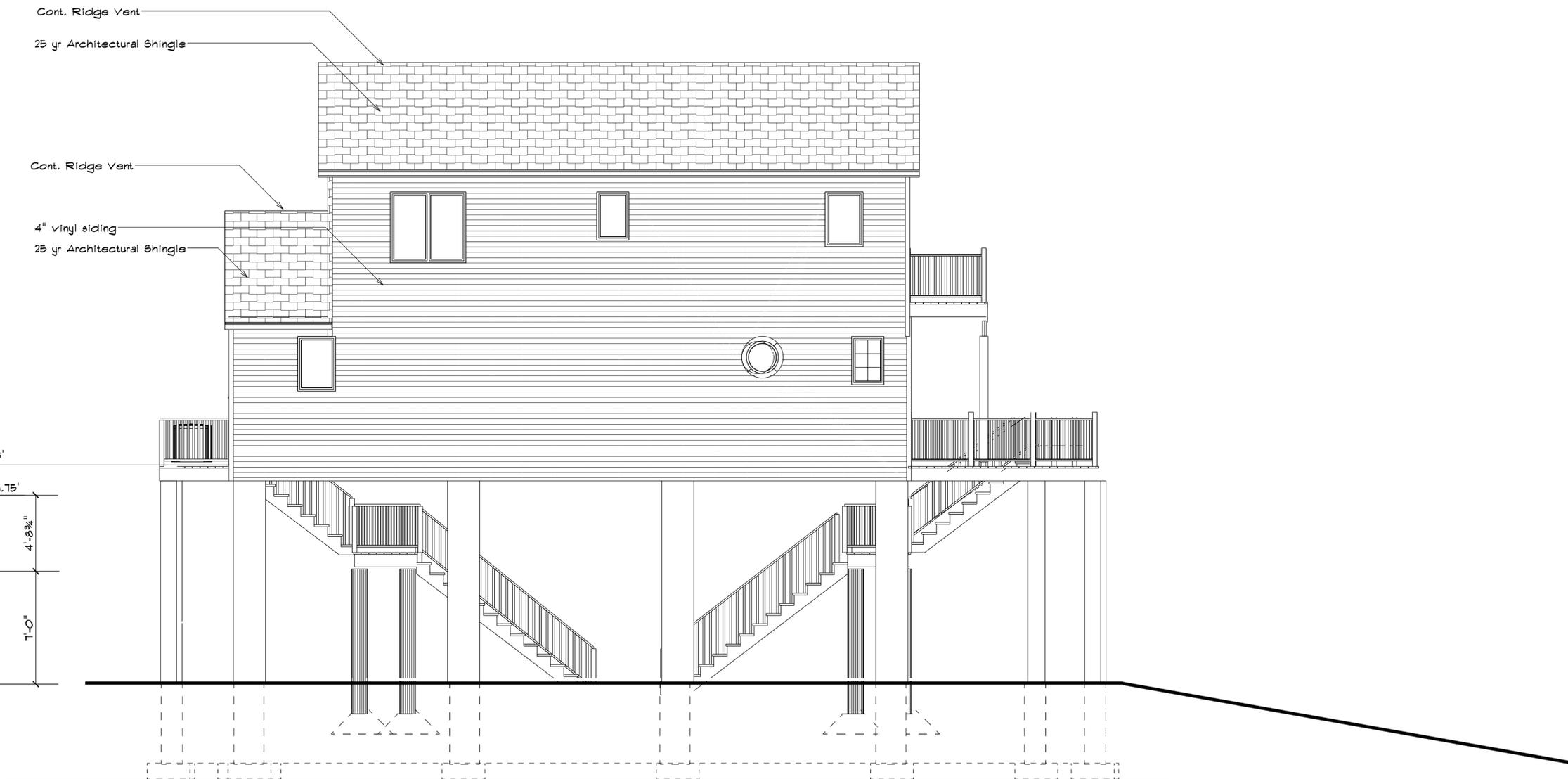
25 yr Architectural Shingle

Fin Fl let 21.58'

BFE x1.25%+1'19.75'

BFE VE 15.0'

EL 8.0'

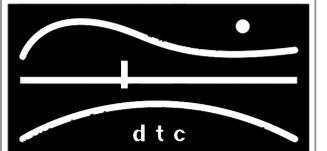


West Elevation

1/4" = 1'-0"

NOTES:

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West Elevation

DTC PROJECT NUMBER: 13-449-019

DTC DRAWING FILE:

SCALE:

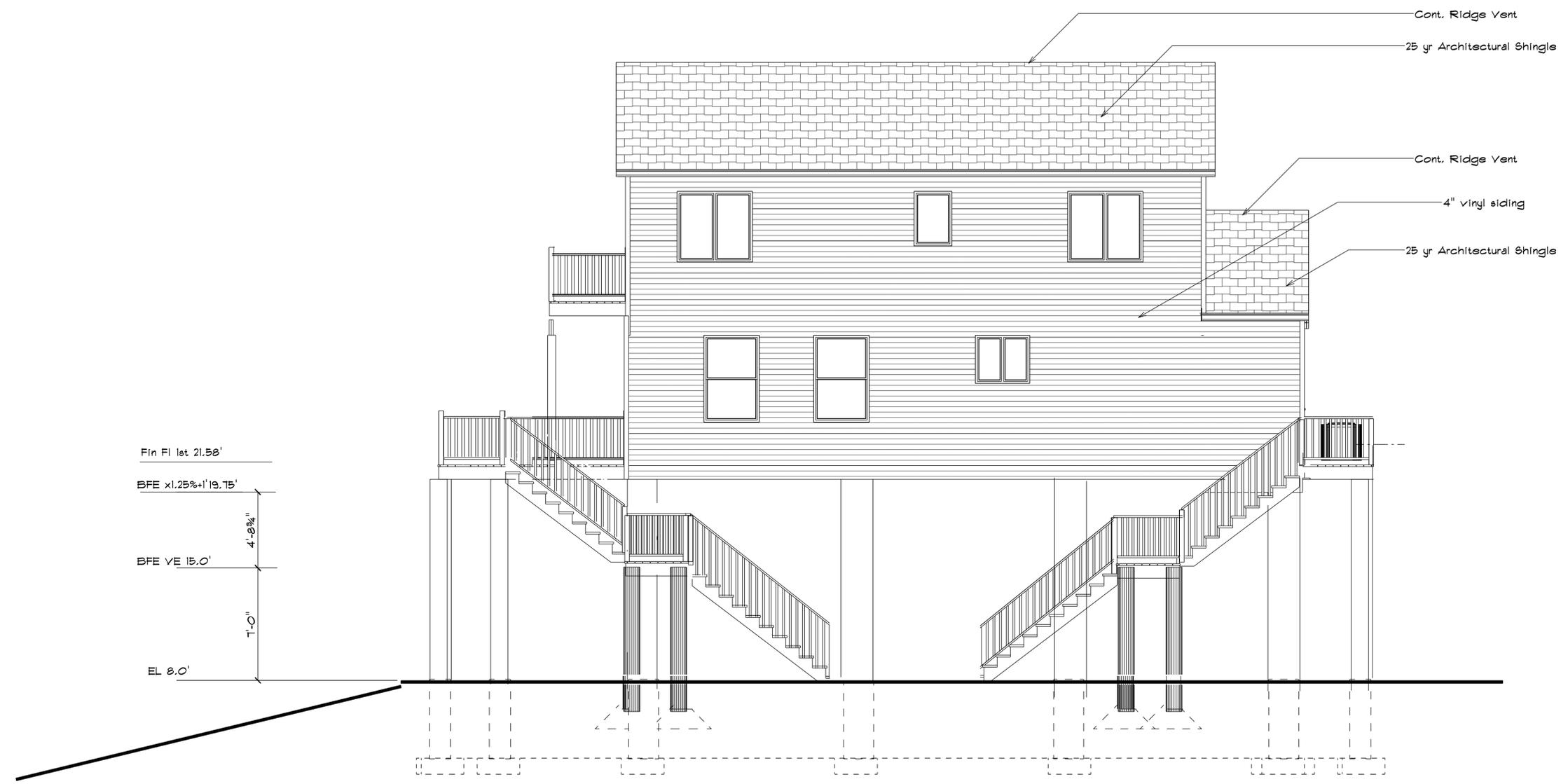
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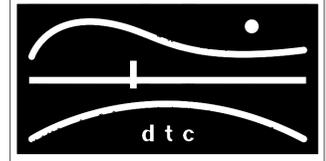


Fin Fl let 21.58'
 BFE x1.25%+1'19.75'
 4'-8 3/4"
 BFE VE 15.0'
 1'-0"
 EL 8.0'

East Elevation
 1/4" = 1'-0"

NOTES:

REVISIONS



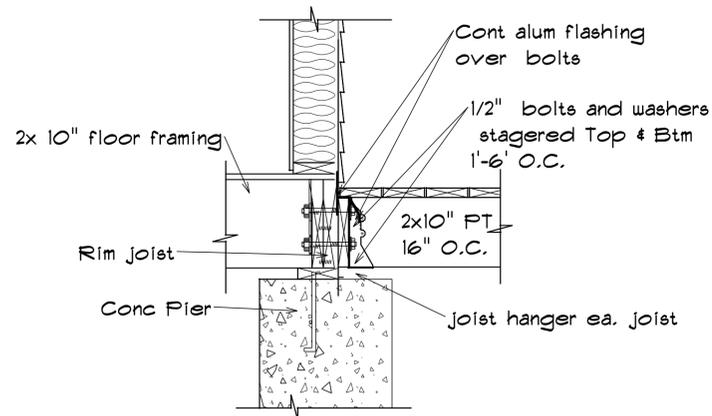
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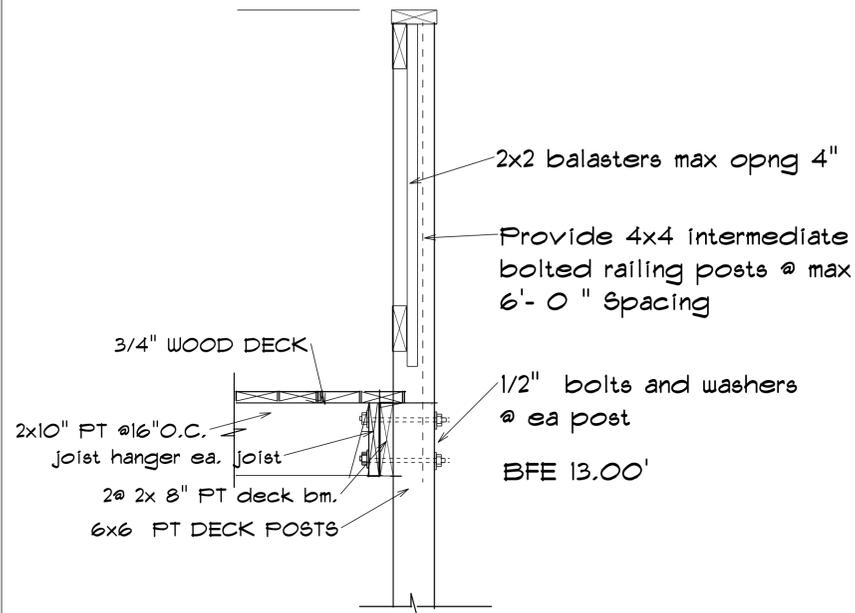
East Elevation

DTC PROJECT NUMBER: 13-449-019
 DTC DRAWING FILE:
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 SHEET:

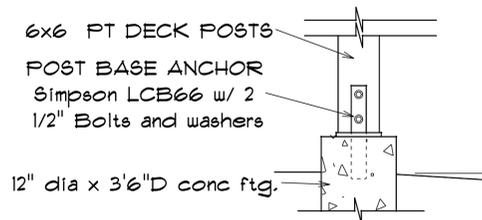
A-202



Deck Ledger Connection
NTS Per Section 502.2.1 2003 IRC Decks

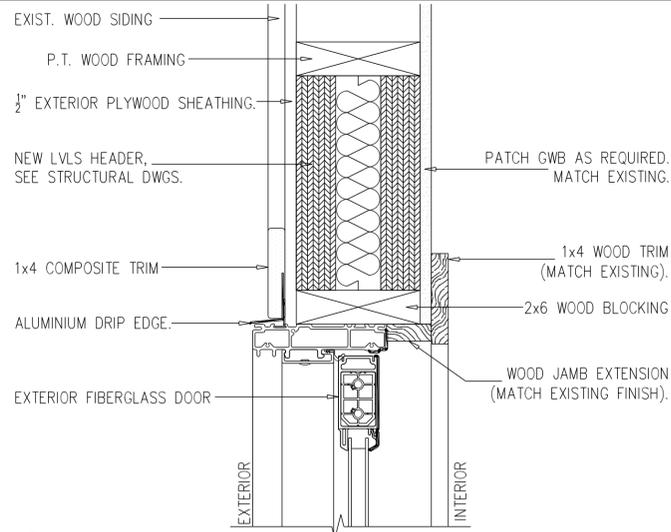


Deck Post Connection
NTS

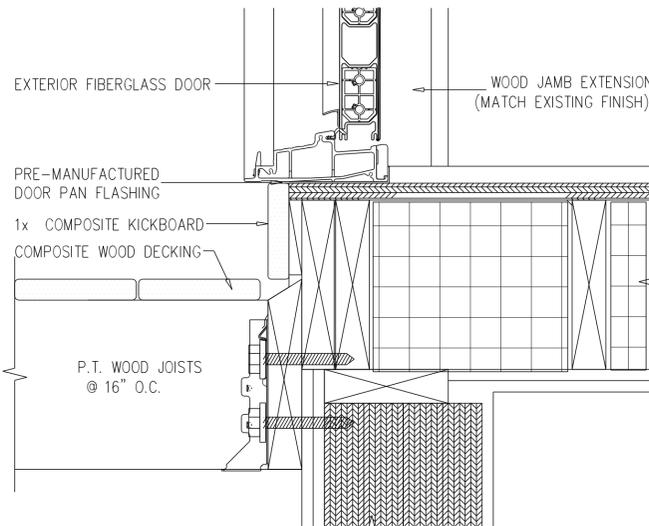


Post Ftg. Connection
NTS

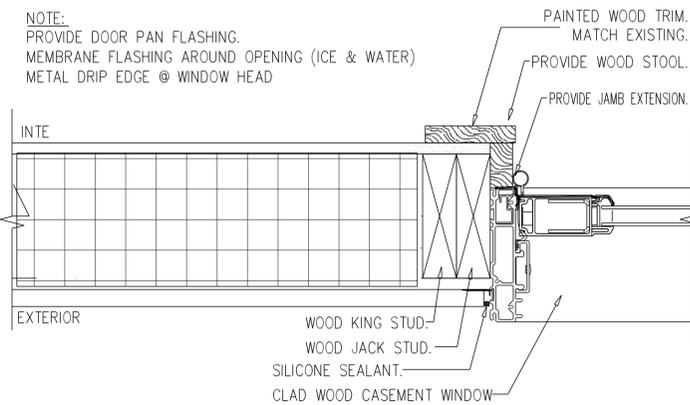
- Stair & Deck Notes:
- Treads to be Minimum of 9" Per Section R-311.5.3.2 2003 2003 IRC
 - Stair Tred nosing shall be min 3/4" but not more than 1 1/4" with leading edge radius no bigger than 9/16" Per Section R311.5.3.3 2003 IRC
 - Provide gripable handrails on both sides of all stairs and at landings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



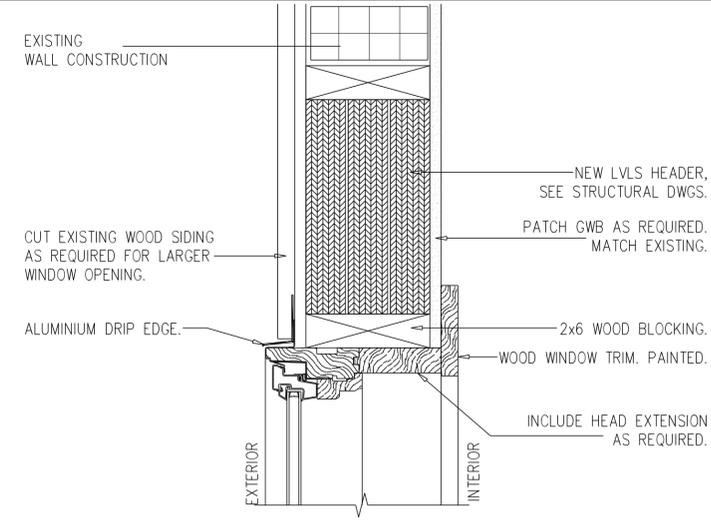
6 Ext. Fiberglass Door Head Detail
A-500 SCALE:3=1-0



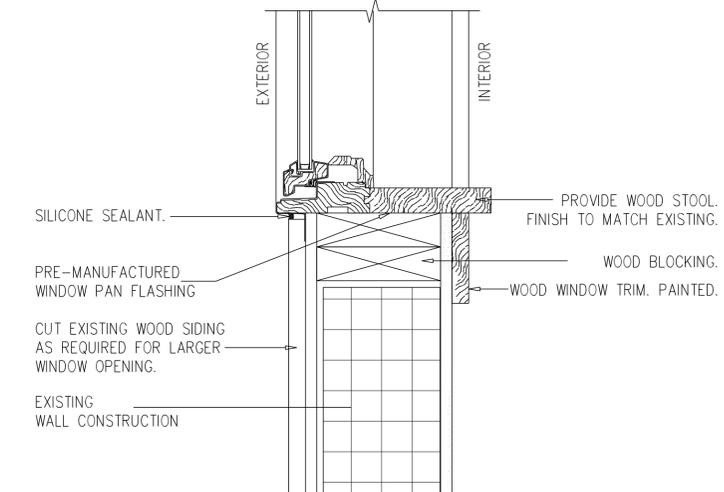
5 Ext. Fiberglass Door Sill Detail
A-500 SCALE:3=1-0



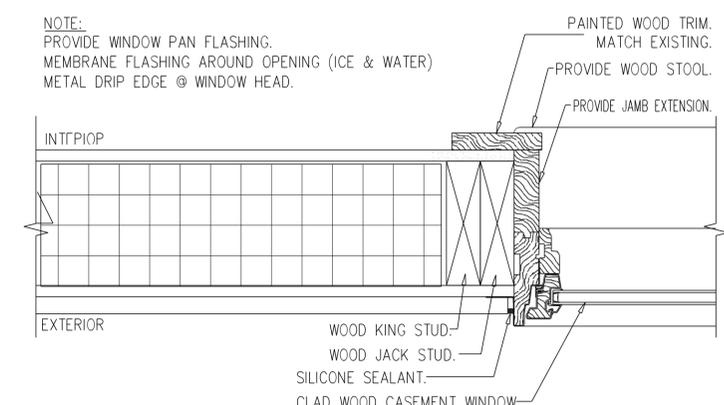
4 Ext. Fiberglass Door Jamb Detail
A-500 SCALE:3=1-0



3 Wood Window Head Detail
A-500 E:3=1'-0"



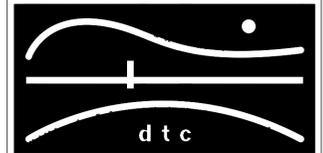
2 Wood Window Sill
A-500 SCALE:3=1'-0"



1 Wood Window Jamb Detail
A-500 SCALE:3=1-0

NOTES:

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OORR
APPLICATION NO. 1237
LARIA RESIDENCE
17 ANN STREET
MILFORD, CT

Door & Window Details

DTC PROJECT NUMBER: 13-449-019

DTC DRAWING FILE:

SCALE: DRAWN BY:

DATE: 9/15/2014 CHECKED BY:

SHEET:

A-500

PLUMBING GENERAL NOTES

PLUMBING LEGEND

PIPING SYMBOLS

HVAC 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 QUALITY 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 OWNERS PROPERTY AND EQUIPMENT FROM INJURY AND DAMAGE TO SAME SHALL BE 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.
- ALL NEW PENETRATIONS THRU RATED WALLS, FLOORS AND CEILINGS SHALL BE FIRESTOPPED AND SEALED TO MAINTAIN RATING. REFER TO SPECIFICATION SECTION 0701.
- 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, HOT WATER AND CONDENSATE DRAIN.
- 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 UNIVALENT), 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.
- INSTALL WATER HAMMER ARRESTORS WHERE AT ALL QUICK-CLOSING VALVES (FLUSH VALVES, SOLENOID VALVES, ETC.) THROUGHOUT THE PLUMBING SYSTEM. WATER HAMMER ARRESTORS SHALL BE SIZED BASED ON SUPPLY FIXTURE UNITS PER PLUMBING DRAINAGE INSTITUTE (PDI) STANDARDS AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
- PIPE ALL CONDENSATE DRAINS FROM MECHANICAL EQUIPMENT COOLING COILS, BY GRAVITY (INTERIOR AIR HANDLING UNITS, ETC.) TO EXTERIOR. 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 THE CONTRACTOR AND UTILITY DRAWINGS. COORDINATE ALL FOUNDATION WALL PENETRATIONS AND INVERT ELEVATIONS WITH THE GENERAL CONTRACTOR AND OR OWNERS REPRESENTATIVE.
- DOMESTIC WATER DROPS OR RISERS INSTALLED IN EXTERIOR WALLS, SHALL BE INSTALLED ON THE WARM SIDE OF THE BUILDING INSULATION, AND THE LOCATION SHALL BE MADE INFILTRATION FREE.
- INSTALL TRAP PRIMERS FOR EACH INDIVIDUAL FLOOR DRAIN OR, AS A OPTION, CONTRACTOR MAY UTILIZED UTILITY DISTRIBUTION UNIT FOR MULTIPLE DRAIN. CONNECT TRAP PRIMER TO NEAREST ACTIVE COLD WATER MAIN. PROVIDE ISOLATION VALVES AND EXTEND TO FLOOR DRAIN.
- 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.

SYMBOL	DESCRIPTION
	SOIL OR WASTE ABOVE FLOOR OR GRADE
	SOIL OR WASTE BELOW FLOOR OR GRADE
	CONDENSATE DRAIN PIPING
	VENT PIPING
	COLD WATER PIPING
	HOT WATER PIPING
	GAS PIPING
	PIPING DIRECTION OF FLOW
	HT - HEAT TRACED PIPE
	PIPING RISER UP
	PIPING RISER DOWN
	BRANCH/BOTTOM CONNECTION
	TRAP
	BALL VALVE
	BUTTERFLY VALVE
	CHECK VALVE
	UNION
	CAP ON END OF PIPE
	GAS COCK
	GAS PRESSURE REGULATOR
	GAS SOLENOID VALVE
	POINT OF CONNECTION
	POINT OF DISCONNECTION
	TEMPERING VALVE

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	CLOTHES WASHER	1/2	1/2	2	1-1/2
DW	DISHWASHER	-	1/2	1 1/2 HOSE	-

- REFRIGERANT LIQUID
- REFRIGERANT SUCTION
- DRAIN

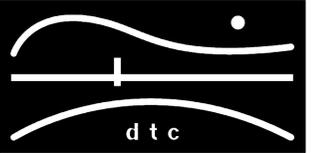
ABBREVIATIONS

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

- 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, SUSPENDED CEILINGS, AND SOFFITS.
- CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND ARRANGE FOR ALL REQUIRED INSPECTIONS IN ACCORDANCE WITH STATE AND LOCAL GOVERNING CODES.
- THE TERM "PROVIDE" SHALL MEAN TO FURNISH, INSTALL, AND CONNECT COMPLETELY.
- TURN OVER TO THE OWNER ALL MANUFACTURER'S WARRANTIES FOR EQUIPMENT AND MATERIALS PROVIDED.
- WHERE THE CONTRACTOR PROPOSES TO USE AN ITEM OF EQUIPMENT OTHER THAN THAT SPECIFIED OR DETAILED ON THE DRAWINGS WHICH REQUIRES ANY REDESIGN OF THE STRUCTURE, PARTITIONS, FOUNDATIONS, PIPING, WIRING OR ANY OTHER PART OF THE MECHANICAL, ELECTRICAL OR ARCHITECTURAL LAYOUT, ALL SUCH REDESIGN AND ALL NEW DRAWINGS AND DETAILING REQUIRED THEREFORE, SHALL BE PREPARED AT THE CONTRACTOR'S EXPENSE AND ARE SUBJECT TO THE REVIEW AND APPROVAL OF THE OWNER OR HIS AUTHORIZED REPRESENTATIVE. OWNER RESERVES THE RIGHT TO HAVE THE ARCHITECT OR ENGINEER OF HIS CHOICE PREPARE ANY REDESIGN WORK.
- CONTRACTOR SHALL COORDINATE ELECTRICAL REQUIREMENTS OF MECHANICAL EQUIPMENT WITH DIVISION 26.
- ALL WORK SHALL BE DONE WITH LICENSED WORKMEN IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES.
- BEFORE SELECTING MATERIAL AND EQUIPMENT, AND PROCESSING THE WORK, INSPECT AREAS WHERE MATERIAL AND EQUIPMENT ARE TO BE INSTALLED TO INSURE SUITABILITY AND CHECK NEEDED SPACE FOR PLACEMENT AND CLEARANCES.
- BEFORE CUTTING AND DRILLING INTO BUILDING ELEMENTS, INSPECT AND LAYOUT WORK TO AVOID DAMAGING STRUCTURAL ELEMENTS AND BUILDING UTILITIES.
- CONTRACTOR RESPONSIBLE FOR REPAIR AND PAYMENT FOR ALL UTILITIES DAMAGE DURING CONSTRUCTION.
- CONTRACTOR TO CONFIRM DUCTWORK LOCATIONS, ELEVATIONS AND SIZES BEFORE ANY WORK IS STARTED. IF ANY DISCREPANCIES ARE FOUND, NOTIFY ENGINEER BEFORE PROCEEDING WITH WORK.
- FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION OF PROVIDED EQUIPMENT.
- ALL SHOP DRAWINGS OF INDIVIDUAL COMPONENTS ARE TO BE SUBMITTED AS A COMPLETE PACKAGE.
- HVAC DRAWINGS DO NOT 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 EQUIPMENT UNDER THIS CONTRACT AT NO COST TO THE OWNER.
- SUPPORT DUCTWORK ABOVE SUSPENDED 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.
- DO NOT PENETRATE STAIR WALLS WITH ANY UTILITIES OR CONDUIT EXCEPT FOR UTILITIES SPECIFICALLY SERVING THAT STAIR.
- ALL DUCTWORK SHALL BE HUNG FROM STRUCTURE ABOVE.
- PROVIDE FLEXIBLE CONNECTIONS BETWEEN MECHANICAL EQUIPMENT AND DUCTWORK AND PIPING.
- PROVIDE VOLUME DAMPERS ON ALL BRANCHES OF DUCTWORK (SUPPLY, RETURN, EXHAUST).
- PROVIDE FLEXIBLE DUCTWORK CONNECTION TO ALL CEILING SUPPLY DIFFUSERS. MAXIMUM 3'-0" LONG.
- 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.
- PROVIDE DUCT LINER AT EACH AIR HANDLING UNIT (SUPPLY AND RETURN CONNECTIONS).
- 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.
- ANY MATERIALS EXPOSED WITHIN THE PLENUM MUST BE NONCOMBUSTIBLE OR HAVE A MAXIMUM FLAME SPREAD INDEX OF 25 AND A MAXIMUM SMOKE-DEVELOPED INDEX OF 50 WHEN TESTED IN ACCORDANCE WITH ASTM E84.
- WINGS: DETAIL MAJOR ELEMENTS, COMPONENTS, AND SYSTEM PER 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.
 - SCHEDULING, SEQUENCING, MOVEMENT, AND POSITIONING OF EQUIPMENT INTO BUILDING DURING CONSTRUCTION.
 - FLOOR PLANS, ELEVATIONS, AND DETAILS TO INDICATE PENETRATIONS, FLOORS, WALLS, AND CEILINGS AND THEIR RELATIONSHIP TO OTHER PENETRATIONS AND INSTALLATIONS.
 - REFLECTED CEILING PLANS TO COORDINATE AND INTEGRATE INSTALLATION OF AIR OUTLETS, LIGHT FIXTURES AND OTHER CEILING-MOUNTED ITEMS.
 - ACCESS DOOR AND ACCESS PANEL LOCATIONS AS REQUIRED FOR PROPER ACCESS FOR MAINTENANCE ADJUSTMENT, REPAIR AND REMOVAL OF ALL EQUIPMENT AND DEVICES.
 - SCALE: MINIMUM 1/4"=1'-0" FOR FLOOR PLAN, 3/8"=1'-0" FOR MECHANICAL ROOMS.
- ALL PENETRATIONS FOR THE INSTALLATION OF THE MECHANICAL SYSTEMS SHALL BE CAULKED AND SEALED FOR SMOKE AND FIRE AS REQUIRED.
- LOCATE ROOF MOUNTED HVAC EQUIPMENT MORE 10 FEET FROM ROOF EDGE. PROVIDE HANDRAILS IF EQUIPMENT ON THE ROOF LOCATED LESS 10 FEET FROM ROOF EDGE (SEE ARCHITECTURAL DRAWINGS).
- CONTROL 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 RELATED TO CENTRAL DDC CONTROL SYSTEM. SEE SPECIFICATION SECTION 230000.

NOTES:

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APPLICATION NO. 1237
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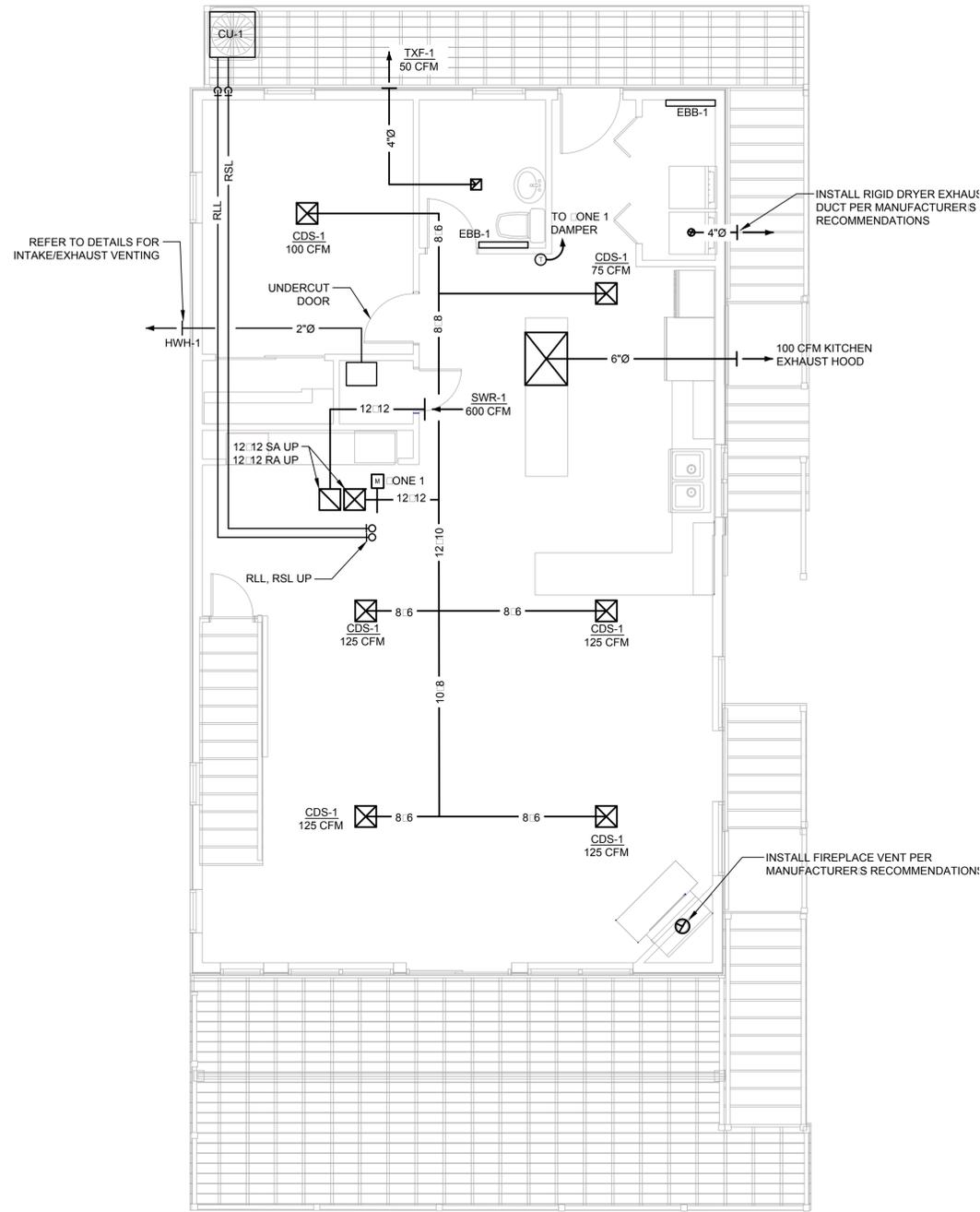
MECHANICAL & PLUMBING
NOTES, LEGENDS,
ABBREVIATIONS & DETAILS

DTC PROJECT NUMBER: 13-449-019	
DTC DRAWING FILE:	
SCALE: NONE	DRAWN BY: RWF
DATE: 9/15/2014	CHECKED BY: RCN

SHEET:
MP-001

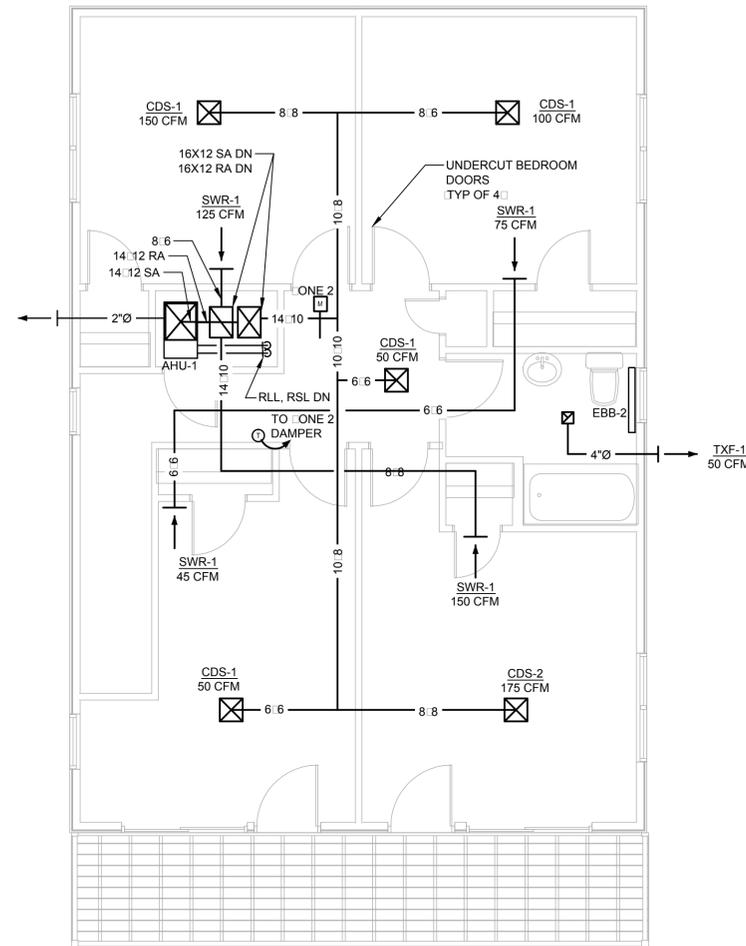
PORTIONS OF THE AREAS TO BE RETROFITTED WERE NOT ACCESSIBLE AND/OR NOT DEMOLISHED UNTIL AFTER THE DESIGN PERIOD. WITHOUT THE SPACE BEING COMPLETELY ACCESSIBLE AND/OR DEMOLISHED DURING THE DESIGN PERIOD, WE WERE NOT ABLE TO SURVEY THE EXTENT OF THE EXISTING CONDITIONS AND ALL OF THE SERVICES AND CONDITIONS THAT MAY EXIST FOR CONFLICTS WITH THE INTENDED PROGRAM. THERE MAY BE COORDINATION ITEMS THAT WILL NEED TO BE ADDRESSED AFTER DEMOLITION DURING THE CONSTRUCTION PERIOD. IT SHOULD BE NOTED THAT A FINAL REVIEW AND COORDINATION WILL BE REQUIRED AFTER DEMOLITION TO VERIFY ALL FIELD CONDITIONS WITH THE DESIGN DOCUMENTS. THIS MAY RESULT IN CONSTRUCTION COST CHANGES.

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



1 FIRST FLOOR PLAN

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



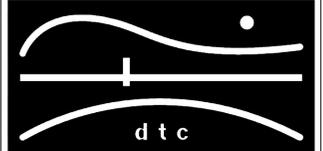
2 SECOND FLOOR PLAN

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



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MECHANICAL FIRST &
SECOND FLOOR PLANS

DTC PROJECT NUMBER: 13-449-019

DTC DRAWING FILE:

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

DRAWN BY: RWF

DATE: 9/15/2014

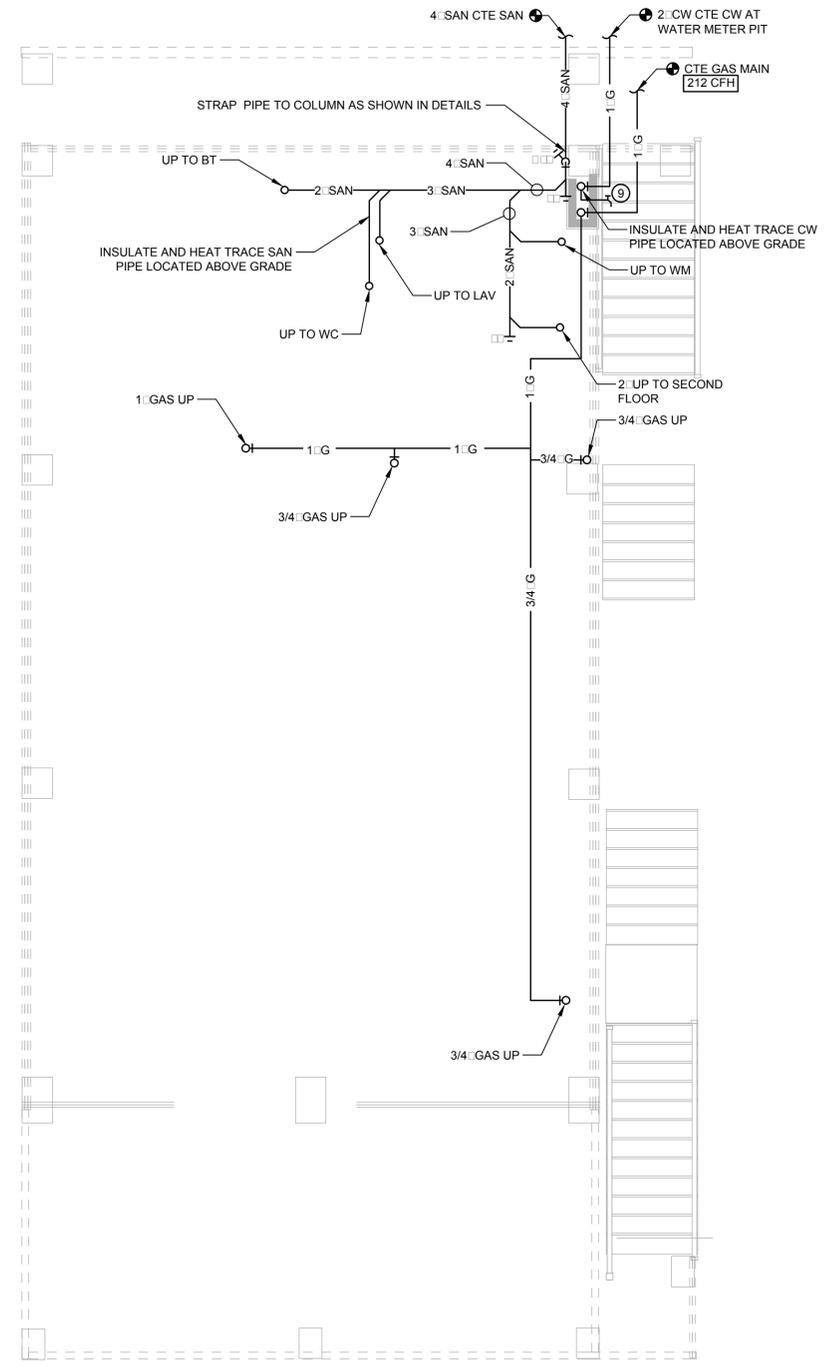
CHECKED BY: RCN

SHEET:

M-100

GENERAL NOTES:

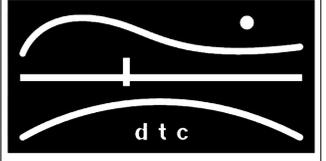
- ① LAV: 1/2" H&CW, 1-1/2" W DN, 1-1/2" V RISE
- ② WM: 3/4" H&CW, 2" W DN, 1-1/2" V RISE
- ③ WC: 3/4" CW, 4" SAN DN, 2" V RISE
- ④ BT: 3/4" H&CW, 2" SAN DN, 1-1/2" V RISE
- ⑤ IM: 3/4" CW W/ INLINE FILTER & VACUUM BREAKER
- ⑥ RG: 3/4" GAS
- ⑦ SH: 3/4" H&CW, 2" W DN, 1-1/2" V RISE
- ⑧ KS: 3/4" H&CW DN, 2" W DN, 1-1/2" V RISE
- ⑨ HB: 3/4" CW



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

NOTES:

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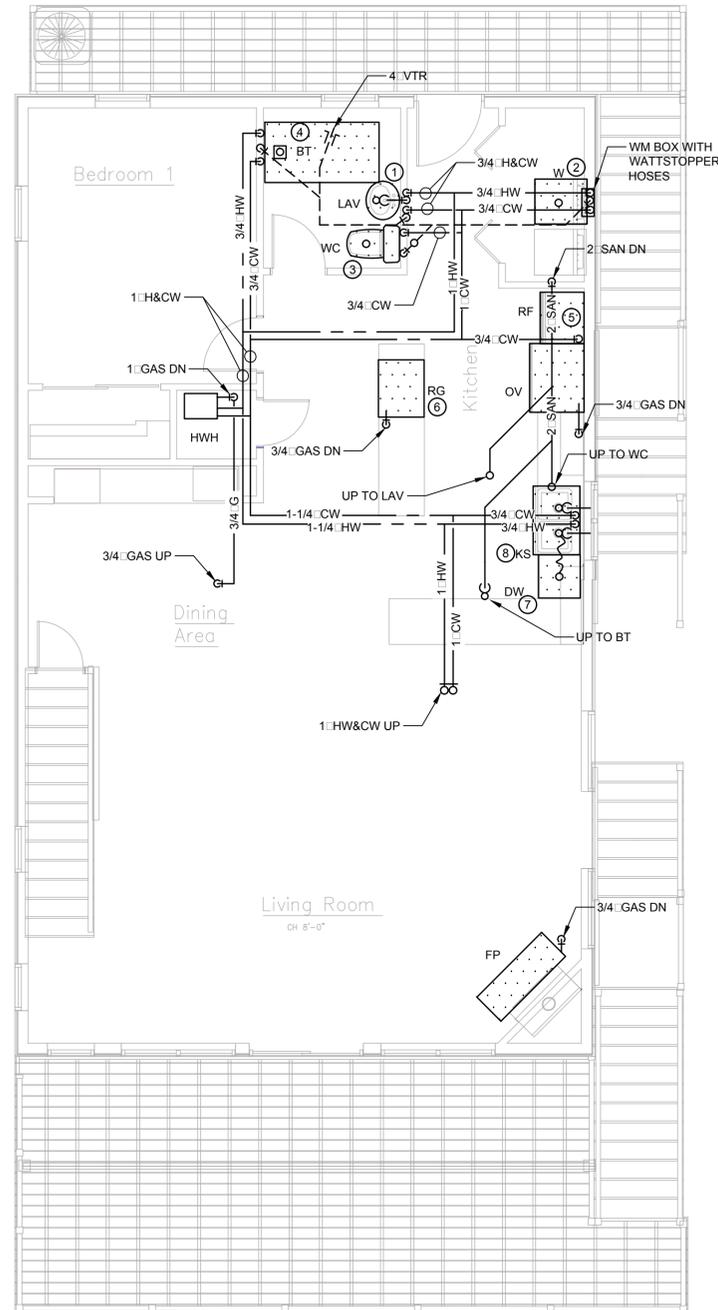
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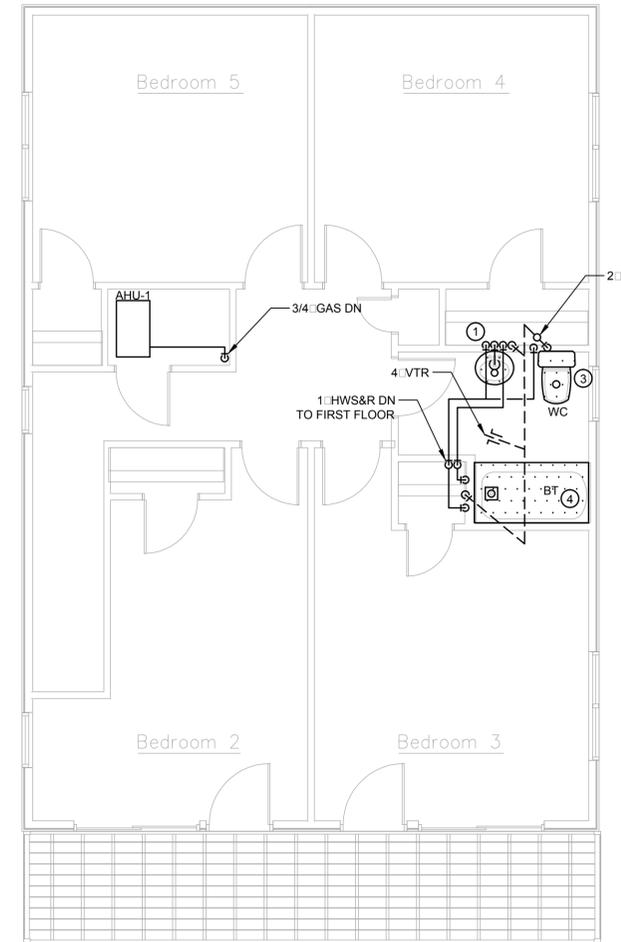
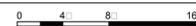
PLUMBING GROUND
 FLOOR PLAN

DTC PROJECT NUMBER: 13-449-019
 DTC DRAWING FILE:
 SCALE: 1/4" = 1'-0" DRAWN BY: RWF
 DATE: 9/15/2014 CHECKED BY: RCN

SHEET:
P-100



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



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

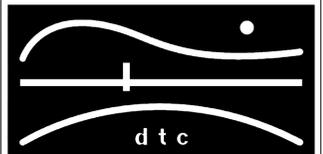


GENERAL NOTES:

- ① LAV: 1/2" H&CW, 1-1/2" W DN, 1-1/2" V RISE
- ② WM: 3/4" H&CW, 2" W DN, 1-1/2" V RISE
- ③ WC: 3/4" CW, 4" SAN DN, 2" V RISE
- ④ BT: 3/4" H&CW, 2" SAN DN, 1-1/2" V RISE
- ⑤ IM: 3/4" CW W/ INLINE FILTER & VACUUM BREAKER
- ⑥ RG: 3/4" GAS
- ⑦ SH: 3/4" H&CW, 2" W DN, 1-1/2" V RISE
- ⑧ KS: 3/4" H&CW DN, 2" W DN, 1-1/2" V RISE
- ⑨ HB: 3/4" CW

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PLUMBING FIRST &
SECOND FLOOR PLANS

DTC PROJECT NUMBER: 13-449-019

DTC DRAWING FILE:

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

DATE: 9/15/2014 CHECKED BY: RCN

SHEET:

P-101

DOMESTIC HOT WATER HEATER SCHEDULE

MARK	MANUFACTURER	MODEL	FUEL TYPE	FLOW RATE (GPM)	WATER TEMP. RISE (°F)	WATER PRESSURE (PSI)	GAS CONSUMPTION MIN/MAX (BTU/H)	GAS PRESSURE MIN/MAX (IN. WC)	ELECTRIC		REMARKS
									VOLTAGE/PH	AMPS	
HWH-1	NAVIER	NPE-240	NATURAL GAS	5.1	75	15-150	19,900/199,000	3.5-10.5	120/1	2	INCLUDE CONCENTRIC VENT KIT

CONDENSING UNIT SCHEDULE

UNIT	MANUFACTURER	MODEL	ASSOCIATED UNIT	TONS	NOMINAL CAPACITY (BTUH)	REFRIG. TYPE	OUTDOOR AMBIENT	SEER	ELECTRICAL		REMARKS
									VOLT/H/PH	MIN CA	
CU-1	CARRIER	24ABB336C003	AHU-1	3	36,000	R-410A	95	13	208/60/1	19.2	INCLUDE MOUNTING BRACKETS

NOTES: INSTALL REFRIGERANT PIPING ACCORDING TO MANUFACTURER'S RECOMMENDATIONS

ELECTRIC BASEBOARD RADIATION SCHEDULE

MARK	MANUFACTURER	MODEL	BTUH	WATTS	LENGTH	ELECT	AMPS	REMARKS
EBB-1	MARK	HBB500	1706	500	28	120	4.2	
EBB-2	MARK	HBB750	2560	750	34	120	6.3	

NOTES: PROVIDE UNIT INTEGRATED THERMOSTAT

AIR HANDLING UNIT SCHEDULE

MARK	MANUFACTURER	MODEL	INPUT (BTUH)	NAT. GAS (CFH)	OUTPUT (BTUH)	EAT (°F)	LAT (°F)	ESP (IN. WC)	GAS CON. (SI/E)	VENT	ELECTRICAL				REMARKS
											VOLTAGE	H	PHASE	AMPS	
AHU-1	CARRIER	59SP5A040E17-12	40,000	40	39,000	65	80	0.50	1/2	1-1/2	115	60	1	10.3	INCLUDE CONCENTRIC VENT KIT

NOTES: PROVIDE MERV 8 FILTERS FOR UNIT.
PROVIDE MODULATING DAMPERS, THERMOSTATS, ONE CONTROL PANEL AND ANY OTHER DEVICES REQUIRED FOR A COMPLETE TWO TONE CONTROL SYSTEM.

DIFFUSER, GRILLE, AND REGISTER SCHEDULE

TYPE	MANUFACTURER	MODEL	NECK SIZE (INCH)	FACE SIZE (INCH)	MAXIMUM AIRFLOW (CFM)	MAXIMUM NC	DESCRIPTION	REMARKS
CDS-1	TITUS	TMS-AA	6	12X12	137	20	SUPPLY CEILING DIFFUSER	NOTE 1,2
CDS-2	TITUS	TMS-AA	7	12X12	187	20	SUPPLY CEILING DIFFUSER	NOTE 1,2
SWR-1	TITUS	355FL	10X6	10X6	204	20	SIDEWALL RETURN GRILLE	NOTE 1,2

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

FAN SCHEDULE

MARK	MANUFACTURER	MODEL	CFM	SP	WATTS	REMARKS
TXF-1	BROAN	XB-50L	50	.1	4.9	INTERLOCK WITH BATHROOM LIGHT SWITCH

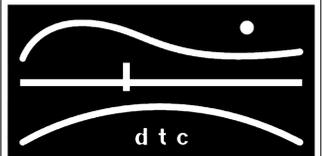
NOTES: INTERLOCK WITH SWITCH FOR OPERATION

EXPANSION TANKS SCHEDULE

MARK	SERVICE	MANUFACTURER	MODEL	TYPE	VOLUME (GALS)	ACCEPTANCE (GALS)	REMARKS
ET-1	HOT WATER HEATER	AMTROL	ST-5	DIAPHRAGM	2	0.9	

NOTES:

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OORR
APPLICATION NO. 1237
LARIA RESIDENCE
17 ANN STREET
MILFORD, CT

**MECHANICAL &
PLUMBING
SCHEDULES**

DTC PROJECT NUMBER: 13-449-019

DTC DRAWING FILE:

SCALE: N.T.S. DRAWN BY: RWF

DATE: 9/15/2014 CHECKED BY: RCN

SHEET:

MP-300

PLUMBING FIXTURE/EQUIPMENT SCHEDULE

SYMBOL	MARK	MFR	MODEL	DESCRIPTION
	BT FIXTURE	KOHLER SYMMONS	STERLING ACCORD TEMPROL	ONE-PIECE RECESS BATH W/ INTEGRAL APRON, W/END DRAIN OUTLET. NOMINAL DIMENSIONS: 60" X 32" X 74". 2" CAST BRASS DRAIN WITH CHROME PLATED STRAINER. 1.5 GPM TEMPROL SHOWER WITH PRESSURE BALANCING MIXING VALVE, INTEGRAL CHECK STOPS, SHOWER HEAD ANCHOR PLATE AND LEVER HANDLE. SOLID SURFACE, 3 PIECE SHOWER WALL KIT & CURTAIN ROD. COLOR AND MODEL SPECIFIED BY OWNER.
	HB	WOODFORD	26 METAL HANDLE	CAST BRASS, CHROME FINISH, LOOSE KEY, ANTI-SIPHON ASSE RATED VACUUM BREAKER, TRIMLINE WALL HYDRANT 1/2" INLET.
	TMV	LAWLER	804	THERMOSTATIC MIXING VALVE- WATER HEATERS, 1-1/2" INLETS, 2" OUTLET.
	WC	KOHLER	K3658-RA-0 HIGHLINE COMFORT HEIGHT	VITREOUS CHINA, FLOOR SET, TANK TYPE WATER CLOSET. ELONGATED BOWL, 1.28 GPF.
	-	RAYCHEM	8XL1	120V, 1 Ø, 60 HZ, 8W/FT WITH A MAXIMUM LENGTH OF 115 FT, MAXIMUM OPERATING TEMP OF 150F.
	LAV FAUCET	SWAN SYMMONS	CHESAPEAKE CH182237 S-20-2-FR LEVER HANDLE 1.5 GPM FLOW	SOLID SURFACE MOLDED VANITY TOP, OVERFLOW, INTEGRAL BOWL & BACKSPLASH. 4 CENTERS, 1-1/4" P-TRAP SET, SUPPLIES AND STOPS. SIZE INDICATED ON DRAWINGS, COLOR PER ARCHITECT. 4-CENTERS SET CHROME FAUCET WITH STANDARD LEVER HANDLE, POP-UP DRAIN 1.5 GPM FLOW RESTRICTOR, VANDAL RESISTANT.
	KSGD FAUCET	ELKAY SYMMONS	LR2225 S-23-2-SM LEVER HANDLE 1.0 GPM FLOW	KITCHEN SINK 18 GAUGE, TYPE 316 STAINLESS STEEL, 22 1/2" LONG X 8" DEEP, TWO-HOLE FAUCET DRILLING, WITH LKAD-35 BASKET STRAINER, TAILPIECE ASSEMBLY 8" SINGLE LEVER HANDLE, SINK MOUNTED FAUCET. GARBAGE DISPOSAL EVOLUTION BATCH FEED GARBAGE DISPOSAL, STAINLESS STEEL GRIND CHAMBER, INSINKERATOR GD MAGNETIC COVER START, 2-STAGE MULTIGRID, SOUND SEAL; 3/4HP, 120V/1PH, POWER CORD w/3 PRONG PLUG.
	WSH	SYMMONS	W-602-X	LAUNDRY-MATE AUTOMATIC WASHING MACHINE VALVE WITH SUPPLY & DRAIN FIXTURE, 1/2" SWEAT UNION ELL CONNECTIONS & 2" DRAIN CONNECTIONS. FURNISH & INSTALL DRAIN PANS UNDER EACH WASHER.
	DW	WHIRLPOOL	WDF510PAYW	FRONT CONTROL DISHWASHER, ENERGY STAR CERTIFIED, 55" BA, DELAY START OPTION, PLASTIC TUB, VINYL RACKS, 120V, 15A, 23.88" WIDTH, 34.5" HEIGHT, 85 LBS, WHITE.

PLUMBING VALVES SCHEDULE

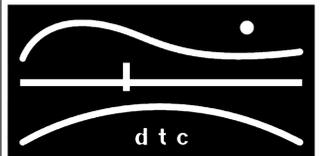
TYPE	VALVE SPECIFICATION				MATERIAL										PRESSURE										LOCATIONS												
	FIG. NO. MILWAUKEE	FIG. NO. HOMESTEAD	SIZE	O.S.&Y. N.F.S.	FLANGED	SCREWED	SOLDER	BRASS	BRONZE	LIB.M.	ALL IRON	CAST STEEL	HOSE END	175# WWP	200# WWP	250# WWP	300# WWP	400# WWP	500# WWP	600# WWP	900# WWP	GAS	C.W. 4" & UP	C.W. 3" & DN	C.W. 2" & DN	HW HWC 4" & UP	HW HWC 3" & DN	HW HWC 2" & DN	REQ. AT EQUIP	SUMP DISCH.	EJECT. DISCH.	D.W. D.W.C.					
BALL VALVES	BA-100	-	1/4"-2"																																		
	BA-150	-	1/4"-2"																																		
GLOBE & ANGLE VALVES	502	-	1/8"-3"																																		
	1590T	-	3/8"-3"																																		
	595T	-	1/8"-3"																																		
CHECK VALVES	F-2981	-	2"-10"																																		
	F-2974	-	2"-12"																																		
	2974	-	2"-12"																																		
	510T	-	1/4"-2"																																		
PLUG VALVES	-	611	1/2"-6"																																		
	-	611	1"-4"																																		
	-	612	1"-8"																																		

MATERIAL SCHEDULE

SYSTEMS	PIPE				FITTING	JOINTS
	REQUIRED	C.I.	STL. SCHED.40	BLACK IRON		
SANITARY						
VENTS						
C.W.						
H.W.						
GAS						
C.W.S.						
H.W.S.						

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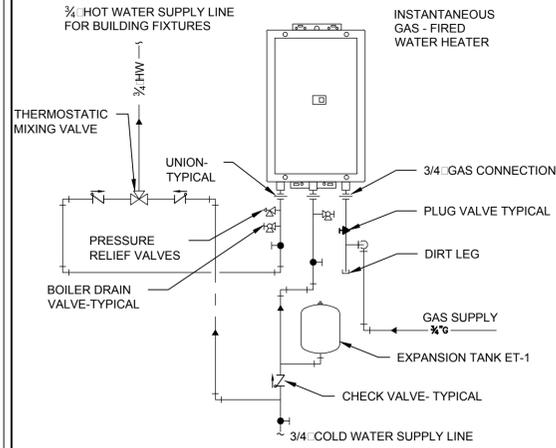
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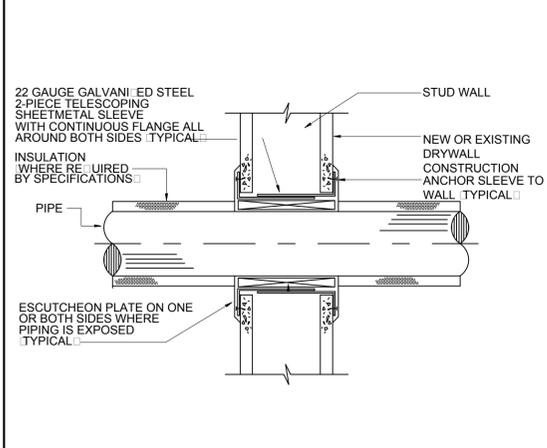
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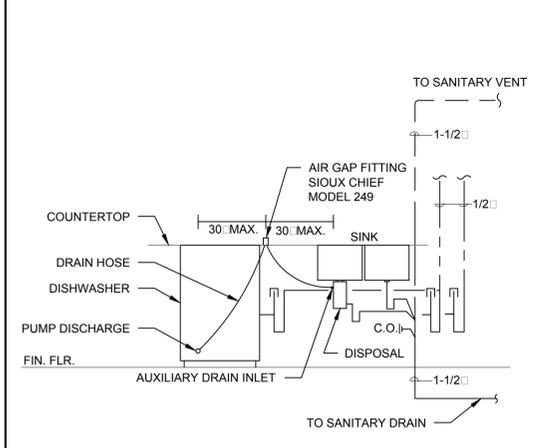
MP-301



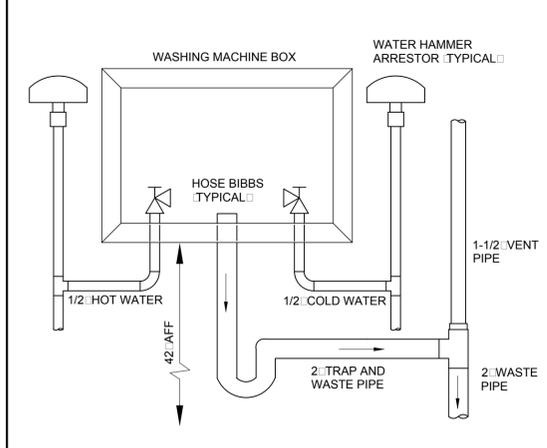
1 TANKLESS WATER HEATER PIPING DETAIL
MP300 NOT TO SCALE



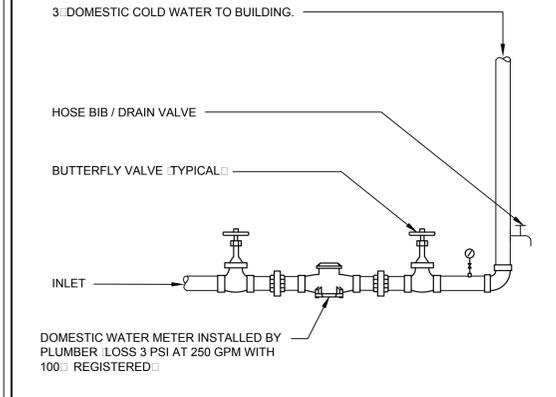
2 WALL/FLOOR PENETRATION DETAIL
MP301 NOT TO SCALE



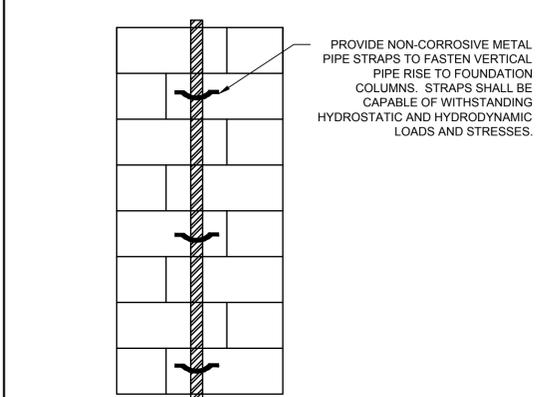
3 DISHWASHER-DISPOSER-SINK DETAIL
MP301 NOT TO SCALE



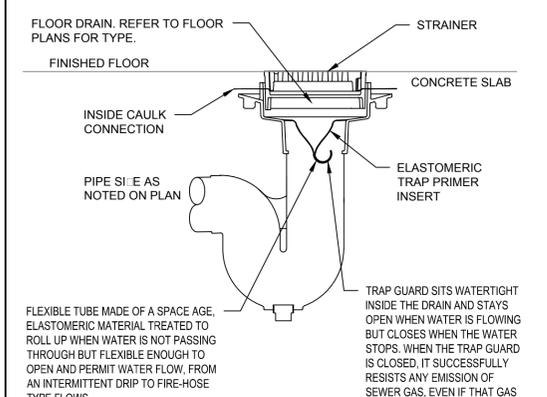
4 WASHING MACHINE BOX DETAIL
MP301 NOT TO SCALE



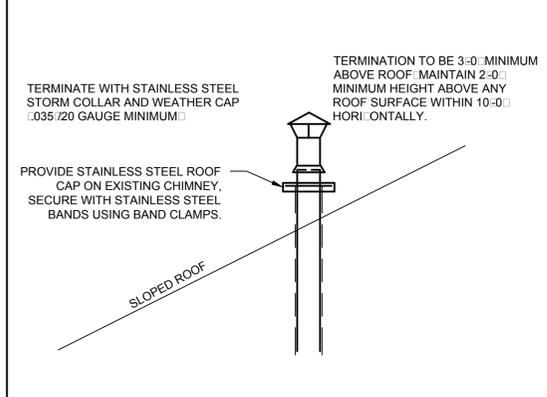
5 VALVE AND WATER SERVICE ENTRANCE DETAIL
MP301 NOT TO SCALE



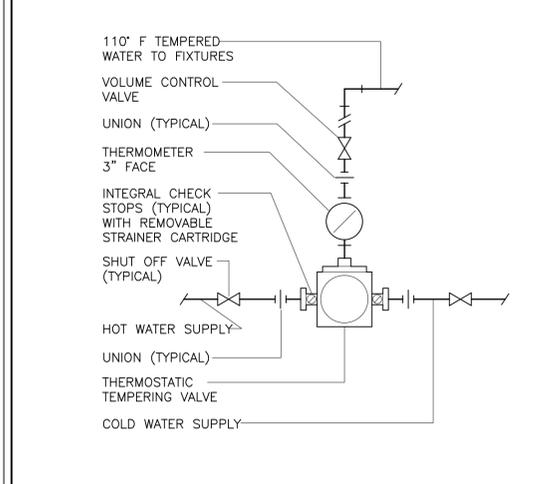
6 FLOOD RESISTANT STRAPPING DETAIL
MP301 NOT TO SCALE



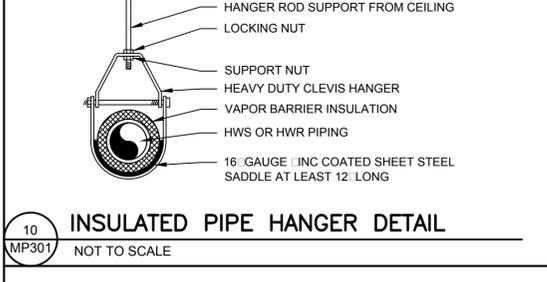
7 TRAP SAVER DETAIL
MP301 NOT TO SCALE



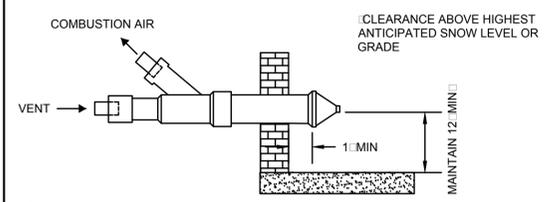
8 VENT TERMINATION DETAIL
MP301 NOT TO SCALE



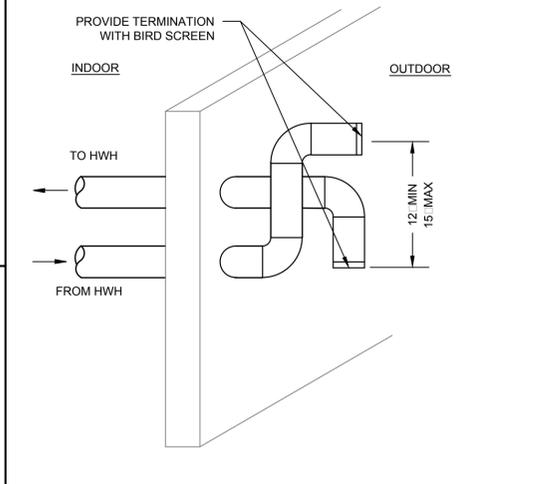
9 TEMPERING VALVE ASSEMBLY DETAIL
MP301 NOT TO SCALE



10 INSULATED PIPE HANGER DETAIL
MP301 NOT TO SCALE



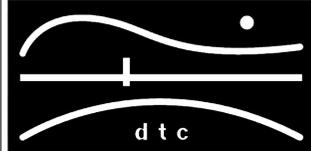
11 AHU-1 SIDEWALL CONCENTRIC VENT DETAIL
MP301 NOT TO SCALE



12 HOT WATER HEATER VENTING DETAIL
MP301 NOT TO SCALE

NOTES:

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APPLICATION NO. 1237
LARIA RESIDENCE
17 ANN STREET
MILFORD, CT

MECHANICAL &
PLUMBING
DETAILS

DTC PROJECT NUMBER: 13-449-019
DTC DRAWING FILE:
SCALE: N.T.S. DRAWN BY: RWF
DATE: 9/15/2014 CHECKED BY: RCN

SHEET:
MP-302

Sep 24, 2014 - 12:23pm
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 User: rcn

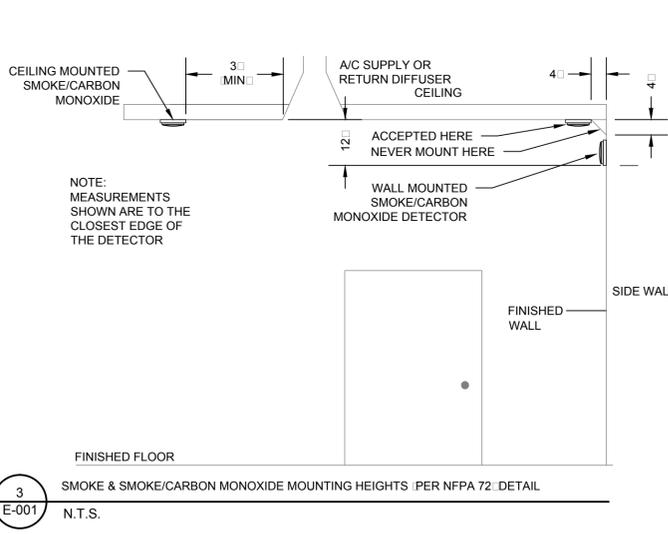
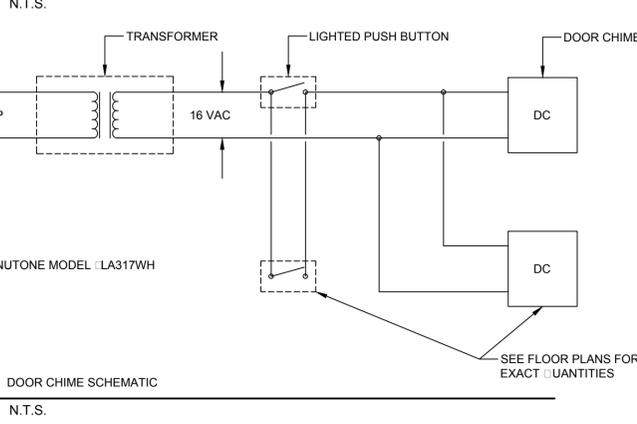
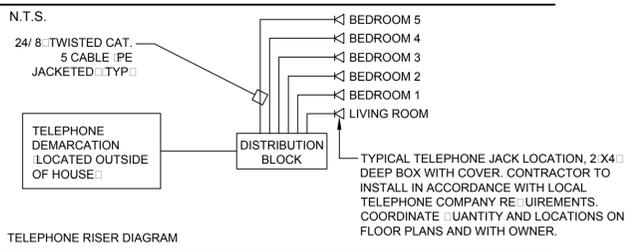
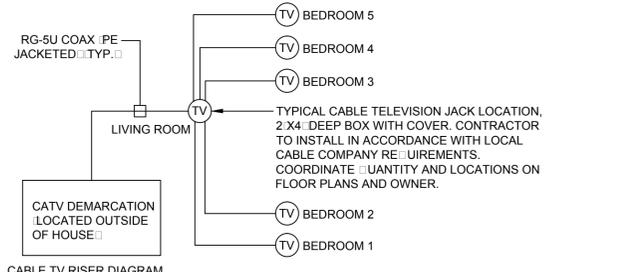
SYMBOL	DESCRIPTION
	RECESSED PANELBOARD
	BRANCH CIRCUIT POWER WIRING
	BRANCH CIRCUIT HOME RUN
	SWITCHED WIRING
	RECEPTACLE OUTLET FOR DRYER
	DUPLEX RECEPTACLE OUTLET
	DUPLEX RECEPTACLE OUTLET WITH GROUND-FAULT CIRCUIT-INTERRUPTER
	DUPLEX RECEPTACLE OUTLET WITH GROUND-FAULT CIRCUIT-INTERRUPTER MOUNTED ABOVE COUNTER
	DUPLEX RECEPTACLE OUTLET WITH GROUND-FAULT CIRCUIT-INTERRUPTER AND IN WEATHERPROOF ENCLOSURE
	DUPLEX RECEPTACLE OUTLET FOR DISHWASHER
	DUPLEX RECEPTACLE OUTLET FOR REFRIGERATOR
	DUPLEX RECEPTACLE OUTLET FOR WASHING MACHINE
	FLOOR MOUNTED DUPLEX RECEPTACLE
	WALL MOUNTED JUNCTION BOX
	MOTOR, SEE SCHEDULE ON DWG E-001
	SURFACE MOUNTED LIGHTING FIXTURE
	WALL MOUNTED LIGHTING FIXTURE
	COMBINATION FAN AND LIGHT FIXTURE
	RECESSED DOWNLIGHT
	PENDANT MOUNTED LIGHTING FIXTURE
	SINGLE POLE SWITCH
	DIMMABLE SINGLE POLE SWITCH
	SINGLE POLE SWITCH IN WEATHERPROOF ENCLOSURE
	THREE WAY SWITCH
	THREE WAY SWITCH IN WEATHERPROOF ENCLOSURE
	UTILITY METER
	MULTI-STATION SMOKE DETECTOR
	MULTI-STATION HEAT DETECTOR
	MULTI-STATION COMBINATION SMOKE/CARBON MONOXIDE DETECTOR
	WALL MOUNTED TELEPHONE OUTLET
	CATV OUTLET
	DOORCHIME

ABBREVIATIONS	DESCRIPTION
A	AMPERES
AC	ALTERNATING CURRENT (60 Hertz)
A/C	AIR CONDITIONING
AHJ	AUTHORITY HAVING JURISDICTION
AFF	ABOVE FINISHED FLOOR
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CATV	CABLE TV
CFL	COMPACT FLUORESCENT
CU	COPPER
DR	DRYER
DW	DISHWASHER
DWG	DRAWING
FLA	FULL LOAD AMPS
GFI	GROUND-FAULT CIRCUIT-INTERRUPTER
HP	HORSEPOWER
J	JUNCTION
KV	KILOVOLT AMPERE
KVA	KILOVOLT AMPERE
M	METER
MC	METAL CLAD
MCA	MINIMUM CIRCUIT AMPACITY
MW	MICROWAVE OVEN
NEC	NATIONAL ELECTRIC CODE
NECA	NATIONAL ELECTRICAL CONTRACTORS ASSOC.
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOC.
NM/NM-B	NONMETALLIC SHEATHED NOT TO SCALE
N.T.S.	NOT TO SCALE
OCP	OVERCURRENT PROTECTION
P	POLE
PVC	POLYVINYL CHLORIDE
REF	REFRIGERATOR
TYP	TYPICAL
UL	UNDERWRITERS 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 SHALL MEAN ONE OR MORE OF THE FOLLOWING: LENGTH, CURRENT AND VOLTAGE RATING, NUMBER OF POLES, NEMA SIZE, AND OTHER SIMILAR ELECTRICAL CHARACTERISTICS.
 - ELECTRICAL PLANS AND DETAILS DO NOT SHOW ALL INTERFERENCES AND CONDITIONS, VISIBLE AND/OR HIDDEN, THAT MAY EXIST. THUS REQUIRING THE CONTRACTOR TO INSPECT AND SURVEY THE SPACE BEFORE PERFORMING THE WORK.
 - COORDINATE ELECTRICAL WORK WITH OWNER.
 - COORDINATE ELECTRICAL WORK WITH OTHER DIVISIONS OF THIS PROJECT.
 - BEFORE SELECTING MATERIAL AND EQUIPMENT, AND PROCEEDING WITH WORK, INSPECT AREAS WHERE MATERIAL AND EQUIPMENT ARE TO BE INSTALLED TO INSURE SUITABILITY, AND CHECK NEEDED SPACE FOR PLACEMENT, CLEARANCES AND INTERCONNECTIONS.
 - BEFORE CUTTING OR DRILLING INTO BUILDING ELEMENTS INSPECT AND LAYOUT WORK TO AVOID DAMAGING STRUCTURAL ELEMENTS AND BUILDING UTILITIES.
 - ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC) 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 MOTOR-RELATED EQUIPMENT AND APPLIANCES IN ACCORDANCE WITH NEC.

DRAWING LIST

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



LIGHT FIXTURE SCHEDULE

TYPE	BASE OF DESIGN	DESCRIPTION	VOLTAGE	LAMPS	REMARKS
A	EFFICIENT LIGHTING EL-158	EXTERIOR WALL MOUNTED LIGHTING FIXTURE, WET LOCATION LISTED, ENERGY STAR RATED, AND CONTROLLED BY INTEGRAL PHOTO SENSOR.	120V	42W CFL	1,2,3,4
B	LITHONIA LIGHTING 6BPMW LED	6" RECESSED DOWNLIGHT WITH MATTE WHITE FINISH, ALUMINUM DIE CAST REFLECTOR, DIFFUSED LENS, AND 3000K COLOR TEMPERATURE AND ENERGY STAR RATED.	120V	8.9W LED	1,2,3,4
C	HAMPTON BAY 55296	COMBINATION CEILING FAN AND LIGHTING FIXTURE WITH 3-SPEED REVERSIBLE BLADES, INTEGRAL FLUORESCENT LIGHTING FIXTURE, REMOTE CONTROL, AND ENERGY STAR RATED.	120V	(2) 13W CFL	1,2,3,4
D	LITHONIA LIGHTING MDPB BULLET PENDANT MDPB CYLINDER PENDANT	ENERGY STAR RATED LED MINI PENDANT FITTER. OWNER TO SPECIFY BULLET OR CYLINDER FITTER, BRONZE OR POLISHED NICKEL FINISH, AND DECORATIVE SHADE.	120V	9W LED	1,2,3,4
F	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
G	SEA GULL LIGHTING 49065BLE-962	ENERGY STAR RATED 2 LIGHT VANITY FIXTURE WITH WHITE GLASS SHADES AND BRUSHED NICKEL FINISH.	120V	(2) 13W CFL	1,2,3,4
H	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

- 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.

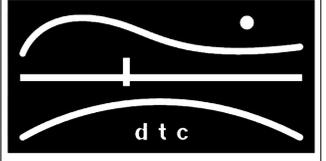
FEEDER SCHEDULE

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"
2-6&1-10G.	50A	2-6&1-10G.	50A	1"
SERVICE		3-3/0&1-4G.	200A	2"

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

NOTES:

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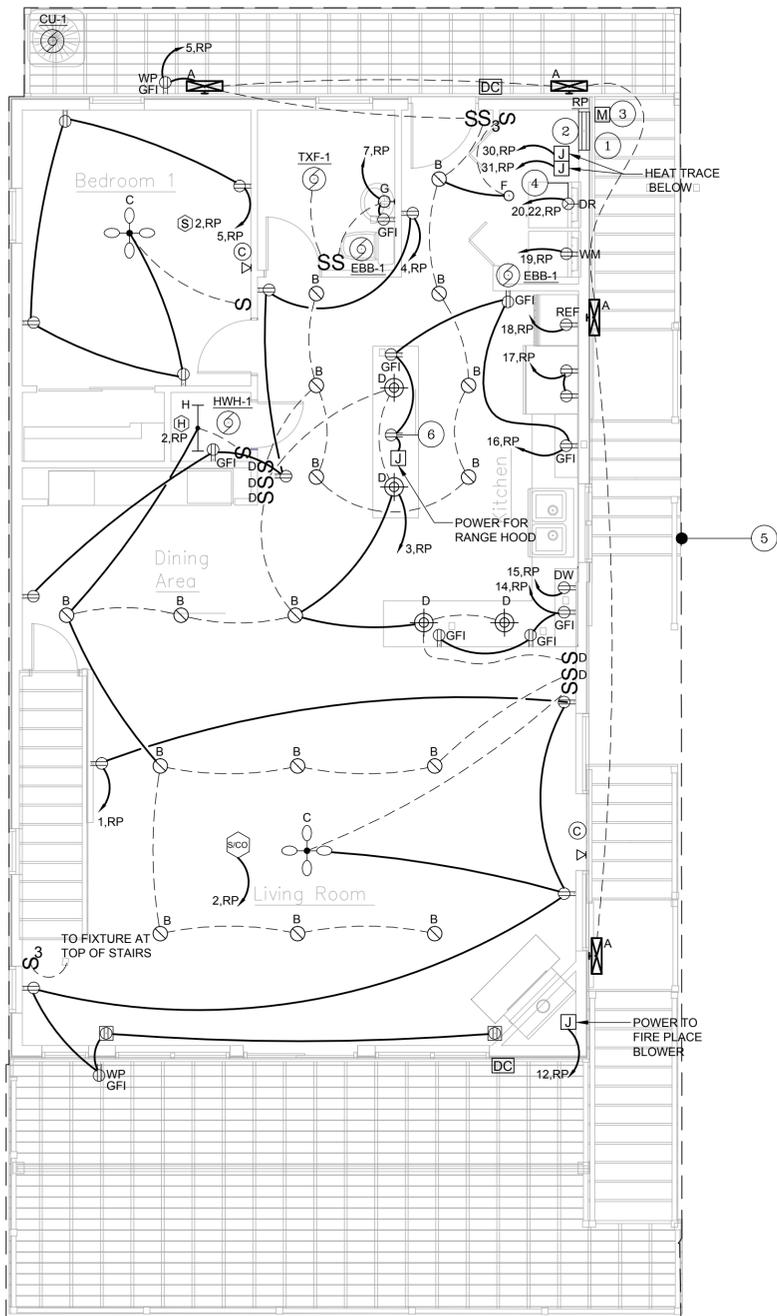
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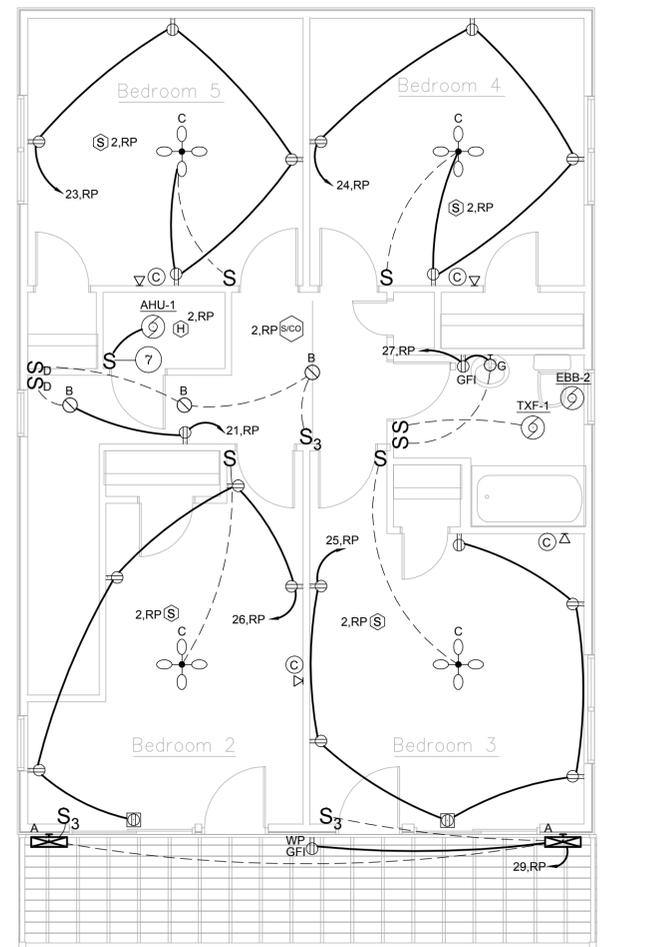
ELECTRICAL NOTES,
LEGENDS, ABBREVIATIONS,
DETAILS & SCHEDULES

DTC PROJECT NUMBER: 13-449-019
DTC DRAWING FILE:
SCALE: NONE DRAWN BY: WM
DATE: 9/15/2014 CHECKED BY: JP

SHEET:
E-001



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



2 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.
- ALL SMOKE, HEAT AND COMBINATION SMOKE/CARBON MONOXIDE DETECTORS SHALL BE WIRED TOGETHER WITH 12/3 NM-B CABLE.
- ALL 125-VOLT 15 AND 20 AMP RECEPTACLES LOCATED AT 5 1/2' AFF OR BELOW SHALL BE TAMPER RESISTANT.

ELECTRICAL KEYNOTES

- LOCATION OF TELEPHONE AND CABLE TV SERVICE ENTRANCE WIRING, EQUIPMENT SHALL BE ABOVE THE 500 YEAR FLOOD PLANE. COORDINATE ALL WORK, INCLUDING SERVICE ENTRANCE EQUIPMENT MOUNTING HEIGHTS WITH ASSOCIATED UTILITY COMPANIES.
- PROVIDE 100A, 240/120V ELECTRICAL PANEL. PROVIDE SERVICE GROUNDING ELECTRODE CONDUCTORS AND CONNECTIONS PER NEC ARTICLE 250.
- 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 PANEL LOCATION.
- PROVIDE NEMA 10-30R RECEPTACLE FOR DRYER.
- PVC CONDUIT AND WIRING SHALL BE USED FOR ALL DEVICES LOCATED OUTDOORS.
- POWER TO RANGE IGNITER.
- BOILER SHUT OFF SWITCH.

PANELBOARD RP

BREAKER #	PHASE LOAD - KVA				BREAKER #
	A	P	B	LOAD	
1	20	1		0.10	20
3	20	1		1.08	1
5	20	1		0.35	4
7	20	1		0.50	6
9	20	1		1.19	8
11	20	1		0.18	10
13	20	1		0.54	12
15	20	1		0.90	14
17	20	1		0.55	16
19	20	1		2.00	18
21	20	1		2.00	20
23	20	1		0.74	22
25	20	1		0.90	24
27	20	1		0.76	26
29	20	1		0.18	28
31	20	1		0.18	30
33	20	1		-	32
35	20	1		-	34
37	20	1		-	36
39	20	1		-	38
41	20	1		-	40
TOTAL LOAD PER PHASE:					
TOTAL LOAD ON PANEL:					23.80 KVA

NOTE: 1. ALL BEDROOM CIRCUITS SHALL BE WIRED TO AFCI CIRCUIT BREAKERS.

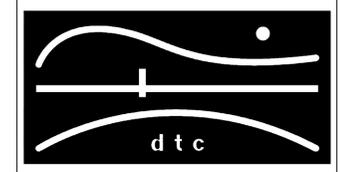
MOTOR CIRCUIT SCHEDULE

EQUIPMENT	SOURCE PANEL	OCP DEVICE	BRANCH CIRCUIT	DISC SW	STARTER	LOAD					REMARKS
						HP/KW	FLA	MCA	PH	VOLT	
AHU-1	10,RP	20A-1P	2:12, #12G	20A-1P	DIV. 23			10.3A	1	115V	1,3,4,5
CU-1	11,13,RP	20A-2P	2:8, #10G	20A-2P	DIV. 23			19.2A	1	208V	1,3,4
EBB-1,EBB-1	8,RP	20A-1P	2:12, #12G	N/A	N/A			4.2A	1	120V	3,4,5
EBB-2	28,RP	15A-1P	2:12, #12G	N/A	N/A			6.3A	1	120V	3,4,5
HWH-1	9,RP	15A-1P	2:12, #12G	STOL	N/A		2A		1	120V	2,3,4,5
TXF-1 (1ST FL)	7,RP	20A-1P	2:12, #12G	N/A	N/A	4.9W			1	120V	3,4,5
TXF-1 (2ND FL)	27,RP	20A-1P	2:12, #12G	N/A	N/A	4.9W			1	120V	3,4,5

- NOTES
- REFER TO SPECIFICATIONS FOR STANDARD FEATURES. DISCONNECT SWITCHES SHALL BE HEAVY DUTY TYPE AND NEMA 4X RATED.
 - 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).

NOTES:

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ELECTRICAL
FIRST & SECOND
FLOOR PLANS

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E-100