

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

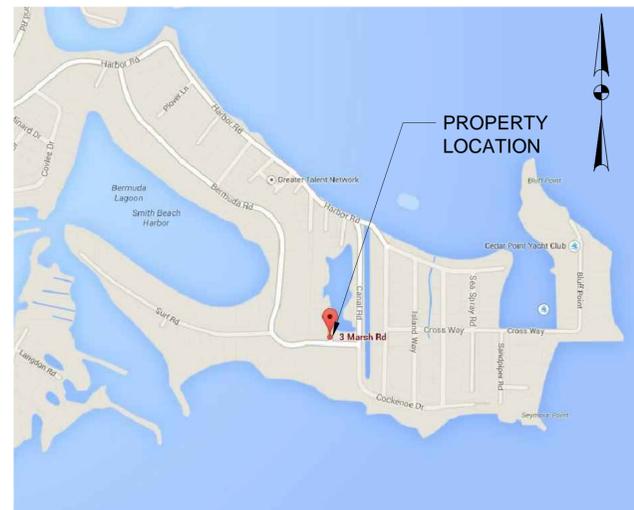
**COMMUNITY DEVELOPMENT BLOCK GRANT-DISASTER RECOVERY PROGRAM  
(CDBG-DR)**

**OWNER-OCCUPIED REHABILITATION AND REBUILDING PROGRAM (OORR)**

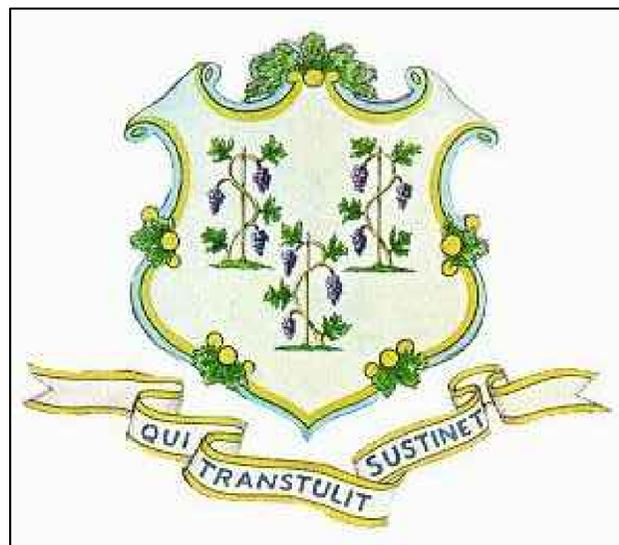
STORM SANDY RELIEF  
GOVERNOR  
DANNEL P. MALLOY

COMMISSIONER OF HOUSING  
EVONNE M. KLEIN

APPLICATION NO. 1846  
3 MARSH ROAD  
WESTPORT, CT 06880  
5/8/2015



PROJECT LOCATION MAP  
NTS



SHEET NO.	DRAWING TITLE
G-100	COVER SHEET
C-100	SITE PLANS
C-101	BORING LOGS & DETAILS
S-100	GENERAL NOTES
S-101	FOUNDATION PLAN
S-102	FIRST FLOOR FRAMING PLAN
S-103	SECOND FLOOR FRAMING PLAN
S-104	ROOF FRAMING PLAN
S-301	SECTIONS
S-501	DETAILS
A-101	GROUND & FIRST FLOOR PLANS
A-102	SECOND FLOOR & ROOF PLANS
A-201	WEST & EAST ELEVATIONS
A-202	SOUTH ELEVATION
A-203	NORTH ELEVATION
A-301	HOUSE SECTIONS
A-302	HOUSE SECTIONS
A-303	REFLECTED CEILING PLAN & DETAILS
A-601	SCHEDULES & DETAILS
MP-001	MECHANICAL & PLUMBING GENERAL NOTES
P-100	PLUMBING GROUND FLOOR PLAN
P-101	PLUMBING FIRST & SECOND FLOOR PLANS
M-100	MECHANICAL FLOOR PLANS
MP-300	MECHANICAL SCHEDULES
MP-301	MECHANICAL & PLUMBING DETAILS
E-001	ELECTRICAL NOTES, LEGENDS, ABBREVIATIONS, DETAILS & SCHEDULES
E-100	ELECTRICAL GROUND LEVEL & FIRST FLOOR PLANS
E-101	ELECTRICAL SECOND FLOOR PLAN

NOTES:  
ISSUED FOR BIDDING :  
NOT FOR  
CONSTRUCTION

REVISIONS

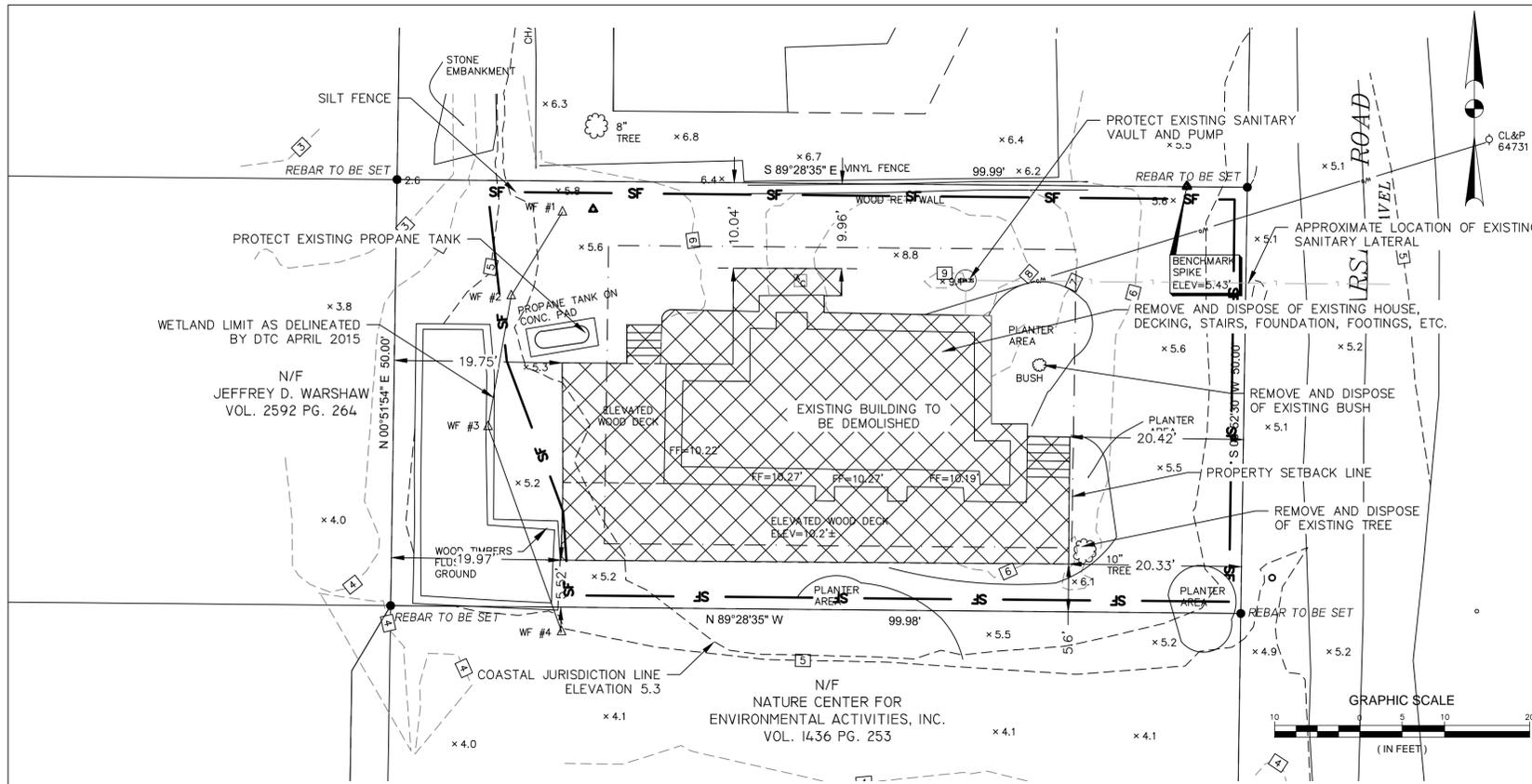


OORR  
APPLICATION NO. 1846  
BURNS RESIDENCE  
3 MARSH RD.  
WESTPORT, CT

COVER SHEET

DTC PROJECT NUMBER: 13-449-026  
DTC DRAWING FILE:  
SCALE: DRAWN BY:  
DATE: 5/8/2015 CHECKED BY:

SHEET:  
**G-100**



### DEMOLITION PLAN

**LEGEND**

- Underground Piping (San., Strm.)
- G — U/G Gas Line
- E — U/G Elec. Line
- W — Water Line
- T — U/G Tele. Line
- Chain Link Fence
- Stone Wall
- Iron Pin (Found)
- Monument (Found)
- Rebar To Be Set
- ▲ Sign
- Manhole
- "C" Catch Basin
- "C-L" Catch Basin
- Utility Pole
- ☐ Mail Box
- ☆ Light Pole
- Metal Post
- Guy Anchor
- ⊗ Water Gate
- ⊗ Gas Valve
- ⊗ Gas Meter
- ⊗ Shrub/Bush
- ⊗ Deciduous Trees
- ☆ Evergreen Trees

**Street Line** ————

**Property Line** ————

**Building Setback Line** ————

**Silt Fence** — SF —

**Chain Link Fence** — x — x —

**Wooden Rail Fence** — o — o — o — o — o —

**Item to be Demolished** ······

**Proposed Spot Elevation** 6.10 ↗

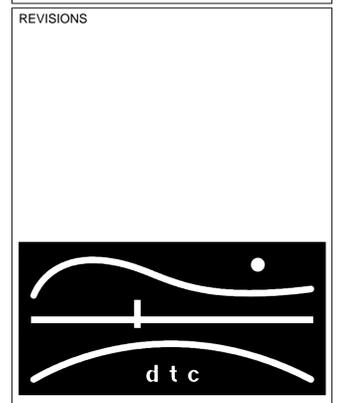
**Test Boring Location** B-1

**BIOFILTRATION BASIN CALCULATIONS:**

ROOF AREA = 1215 SF  
 VOLUME OF FIRST INCH OF RAINFALL = 1215 SF x 1/2" = 101.25 CF  
 VOLUME PROVIDE BY RAIN GARDEN = 112 CF

NOTES:

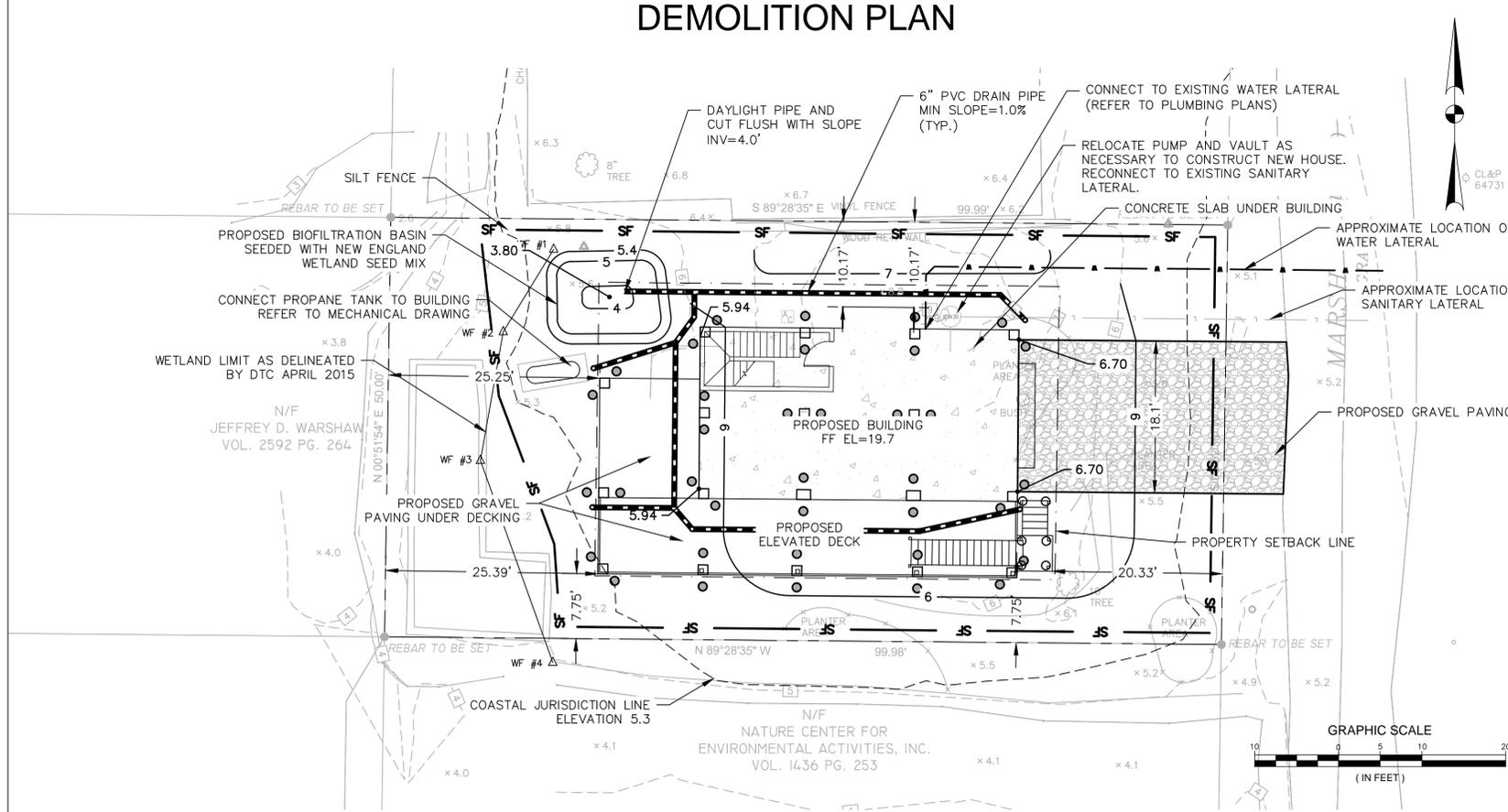
**ISSUED FOR BIDDING :  
 NOT FOR  
 CONSTRUCTION**



STANDARD	REQUIRED	EXISTING	PROPOSED
LOT AREA (S.F.) (MINIMUM)	21,780	4,999	EXIST. TO REMAIN
LOT SHAPE	100'x150'	50'x99.99'	EXIST. TO REMAIN
HEIGHT (MAXIMUM)	26'	23.3'	34.7'
STORIES (MAXIMUM)	2	2	3
SETBACK FROM STREET LINE	20'	20.33'	20.33'
SETBACK FROM REAR LINE	25'	19.75'	25.25'
SETBACK FROM SIDE LINE ONE SIDE	7.5'	9.96'	10.17'
	7.5'	5.52'	7.75'
BUILDING AREA AS % LOT	15%	32.6%	29.2%
LOT COVERAGE (MAXIMUM)	25%	33.1%	29.7%
IMPERVIOUS AREA (SF)	—	1657	1485

AVERAGE GRADE AT BUILDING =  $(5.2' + 5.5' + 5.2' + 5.5' + 5.6' + 9.1' + 8.8' + 5.6' + 5.3' + 5.2' + 6.4') / 11 = 6.1'$   
 ELEVATION OF EXISTING BUILDING ROOF AT MID-POINT = 29.4'  
 EXISTING BUILDING HEIGHT = 29.4' - 6.1' = 23.3'  
 ELEVATION OF PROPOSED BUILDING ROOF AT MID-POINT = 40.8'  
 PROPOSED BUILDING HEIGHT = 40.8' - 6.1' = 34.7'

**OOR  
 APPLICATION NO. 1846  
 BURNS RESIDENCE  
 3 MARSH RD.  
 WESTPORT, CT**



### SITE PLAN

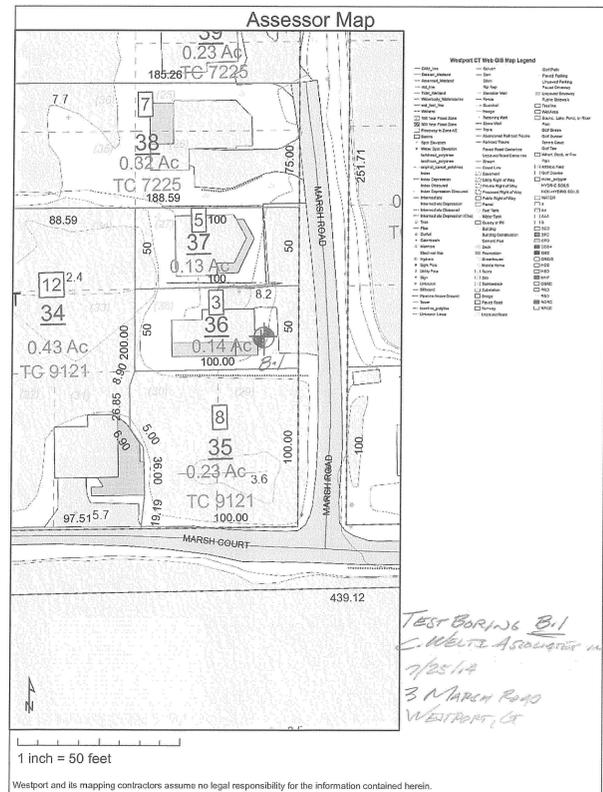
- NOTES**
- CONTRACTOR TO SURVEY BUILDING AS IS AND IS RESPONSIBLE FOR ADHERING TO ZONING VARIANCES AND EXISTING NON-CONFORMING SETBACKS AS SHOWN ON THIS SHEET.
  - CONTRACTOR TO DEMOLISH EXISTING GRAVEL DRIVEWAY, GRADE TO MATCH PROPOSED GRADE.
  - ALL DISTURBED AREAS NOT TO BE OTHERWISE COVERED SHALL BE LOAMED & SEEDED.
  - CALL BEFORE YOU DIG - THE CONTRACTOR IS HEREBY REMINDED THAT THE CONNECTICUT GENERAL STATUTES REQUIRE NOTICE TO UTILITY COMPANIES PENDING EXCAVATION AT OR NEAR PUBLIC UTILITIES. THE CONTRACTOR SHALL CALL 1-800-922-4455 AT LEAST 72 HOURS PRIOR TO EXCAVATING AT ANY LOCATION. A COPY OF THE CALL BEFORE YOU DIG PROJECT REFERENCE NUMBERS SHALL BE GIVEN TO THE OWNER PRIOR TO EXCAVATION.
  - SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL CONFORM TO THE STATE OF CONNECTICUT 2002 GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL AS AMENDED THROUGH BID DATE OF THIS PROJECT.
  - PROTECT EXISTING VEGETATION ON PROPERTY NOT WITHIN CONSTRUCTION AREA. COORDINATE WITH HOMEOWNER.
  - NO STOCKPILING OF SOIL WILL BE ALLOWED ON SITE. EXCESS SOIL MUST BE REMOVED FROM SITE.
  - ENTIRE PROPERTY WITHIN WESTPORT WATERWAY PROTECTION LINES
  - UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR RESPONSIBLE FOR LOCATING AND RECONNECTING ALL UTILITIES

### SITE PLANS

DTC PROJECT NUMBER: 13-449-026  
 DTC DRAWING FILE:  
 SCALE: DRAWN BY: EPZ  
 DATE: 5/8/2015 CHECKED BY: JAB

SHEET:  
**C-100**

SURVEY INFORMATION IS BASED ON A-2 SURVEY MAP PREPARED BY: MARTIN SURVEYING ASSOCIATES, LLC DATED: 9/8/2014 SEALED BY: DEAN MARTIN L.S. 70147



CLARENCE WELTZ ASSOC., INC. P.O. BOX 307 GLASTONBURY, CONN 06033		CLIENT		PROJECT NAME	
TYPE: HSA		CASING: SS		BURNS RESIDENCE	
SIZE I.D.: 3.75"		SAMPLER: 1.375"		LOCATION: 3 MARSH ROAD, WESTPORT, CT	
HAMMER WT.: 140 lbs		CORE BAR: DTC		SERFACELET: HOLE NO. B-1	
HAMMER FALL: 30"		OFFSET: LINE & STA.		GROUND WATER OBSERVATIONS: START DATE 7/25/14	
		N. COORDINATE: AT		FINISH DATE 7/25/14	
		E. COORDINATE: FT. AFTER		HOURS	

DEPTH	NO.	BLOWS/6"	DEPTH	A	STRATUM DESCRIPTION + REMARKS	ELEV.
0	1	5-4-13	0.00'-2.00'		STONE SURFACE BR. FINE-CRS. SAND, LITTLE TO SOME SILT & GRAVEL - FILL	0.1
	2	10-5-5-5	2.00'-4.00'			
5	3	0-3-6-11	5.00'-7.00'		DARK GREY PEAT	4.5
	4	5-5-13-15	7.00'-9.00'		DARK GREY ORGANIC SILT AND FINE SAND	6.0
10	5	8-10-12	10.00'-11.50'		GREY FINE-CRS. SAND, SOME GRAVEL, TRACE SILT, FEW COBBLES	8.0
15	6	3-3-7	15.00'-16.50'		GREY/BR. FINE-CRS. SAND, SOME GRAVEL, TRACE SILT	13.5
20	7	5-6-10	20.00'-21.50'			
25	8	6-5-8	25.00'-26.50'		BR. FINE-MED. SAND, LITTLE SILT	28.0
30	9	2-3-4	30.00'-31.50'			
35						

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

DRILLER: J. BREWER  
INSPECTOR:

SHEET 1 OF 2 HOLE NO. B-1

CLARENCE WELTZ ASSOC., INC. P.O. BOX 307 GLASTONBURY, CONN 06033		CLIENT		PROJECT NAME	
TYPE: HSA		CASING: SS		BURNS RESIDENCE	
SIZE I.D.: 3.75"		SAMPLER: 1.375"		LOCATION: 3 MARSH ROAD, WESTPORT, CT	
HAMMER WT.: 140 lbs		CORE BAR: DTC		SERFACELET: HOLE NO. B-1	
HAMMER FALL: 30"		OFFSET: LINE & STA.		GROUND WATER OBSERVATIONS: START DATE 7/25/14	
		N. COORDINATE: AT		FINISH DATE 7/25/14	
		E. COORDINATE: FT. AFTER		HOURS	

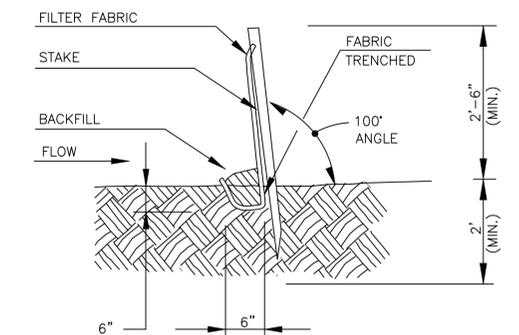
  

DEPTH	NO.	BLOWS/6"	DEPTH	A	STRATUM DESCRIPTION + REMARKS	ELEV.
40	11	5-7-8	40.00'-41.50'		BOTTOM OF BORING @ 41.5'	41.5
45						
50						
55						
60						
65						
70						
75						

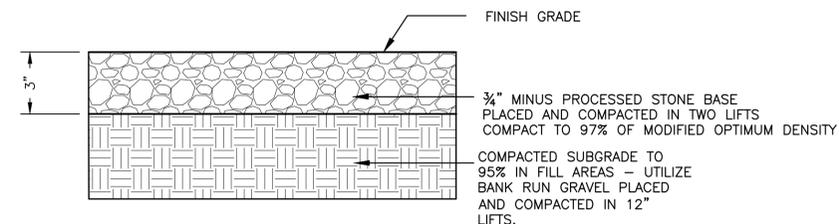
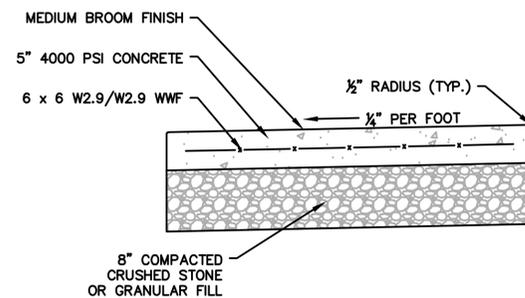
LEGEND: COL. A: SAMPLE TYPE: D=DRY A=AUGER C=CORE U=UNDISTURBED PISTON S=SPLIT SPOON  
PROPORTIONS USED: TRACE=0-10% LITTLE=10-20% SOME=20-35% AND=35-50%

DRILLER: J. BREWER  
INSPECTOR:

SHEET 2 OF 2 HOLE NO. B-1

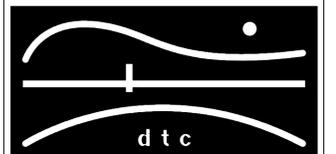


- MINIMUM LENGTH OF SILT FENCE IS 15 FT.
- MAXIMUM POST SPACING IS 8 FT.
- JOINTS ONLY AT SUPPORT POST WITH MINIMUM 2 FT. OVERLAP, SECURELY SEALED.
- SEDIMENTATION DEPOSITS SHALL BE REMOVED WHEN THEY REACH 1/2 THE HEIGHT OF THE SILT FENCE.
- SILT FENCE SHALL NOT BE USED IN A WATER COURSE.
- UPON ESTABLISHMENT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



NOTES:  
ISSUED FOR BIDDING :  
NOT FOR  
CONSTRUCTION

REVISIONS



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

OORR  
APPLICATION NO. 1846  
BURNS RESIDENCE  
3 MARSH RD.  
WESTPORT, CT

BORING LOGS  
AND DETAILS

DTC PROJECT NUMBER: 13-449-026

DTC DRAWING FILE:

SCALE: DRAWN BY: EPZ  
DATE: 5/8/2015 CHECKED BY: JAB

SHEET:

C-101

GENERAL NOTES

GENERAL

GOVERNING CODE: 2009 INTERNATIONAL RESIDENTIAL CODE OF THE INTERNATIONAL CODE COUNCIL, INC. WITH THE 2013 AMENDMENTS TO THE STATE CODE.

DESIGN LOADS:

NEW FLOOR AREAS:

FIRST FLOOR: DEAD LOAD 15 PSF  
LIVE LOAD 40 PSF

DECKS: DEAD LOAD 15 PSF  
LIVE LOAD 40 PSF

ROOF DEAD LOAD = 15 PSF

WIND LOAD CRITERIA FOR NEW, ALTERED, OR REPAIRED ELEMENTS:

BASIC WIND SPEED = 100 MPH, EXPOSURE CLASSIFICATION "D".

SEISMIC LOAD CRITERIA FOR NEW, ALTERED OR REPAIRED ELEMENTS.

SEISMIC DESIGN CATEGORY "B"

- SHOULD ANY OF THE DETAILED INSTRUCTIONS SHOWN ON THE PLANS CONFLICT WITH THE GENERAL STRUCTURAL NOTES, THE SPECIFICATIONS, OR WITH EACH OTHER, THE STRICTEST PROVISION SHALL GOVERN.
- IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE AND TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIEDOWNS WHICH MIGHT BE NECESSARY. SUCH MATERIAL SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER COMPLETION OF THE PROJECT.
- IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, ANGLES AND EXISTING CONDITIONS BEFORE PROCEEDING WITH ANY WORK.
- ALL SECTIONS AND DETAILS SHALL BE CONSIDERED TYPICAL AND APPLY FOR THE SAME AND SIMILAR SITUATIONS THROUGHOUT THE BUILDING, UNLESS OTHERWISE SPECIFICALLY NOTED.
- NEW, ALTERED, OR REPAIRED ELEMENTS CONFORM TO THE 2009 INTERNATIONAL RESIDENTIAL CODE FOR ONE AND TWO FAMILY DWELLINGS INCLUDING THE CONNECTICUT 2013 AMMENDMENT TO THE STATE BUILDING CODE.
- ELEVATION OF THE BOTTOM OF THE LOWEST HORIZONTAL STRUCTURAL MEMBER SHALL BE ELEVATION 16.0.

FOUNDATIONS

- BOTTOM OF ALL EXTERIOR FOOTINGS SHALL BE AT LEAST 3'-6" BELOW FINISHED GRADE.
- PLACEMENT OF ALL COMPACTED FILL MUST BE UNDER SUPERVISION OF AN APPROVED TESTING LABORATORY (SEE SPECIFICATIONS). CONCRETE FOUNDATIONS SHALL NOT BE PLACED UNTIL SUBBASE HAS BEEN CHECKED IN PLACE AND APPROVED BY TESTING LABORATORY.
- CONTROL JOINT SPACING IN FOUNDATION WALLS SHALL NOT EXCEED 30 FEET. 50% OF HORIZONTAL REINFORCEMENT SHALL EXTEND THROUGH JOINT AND HAVE A CLASS "B" SPLICE (PER ACI 318-02).
- WHERE REQUIRED, CONSTRUCTION JOINTS SHALL BE KEVED AND OCCUR AT CONTROL JOINT INTERVALS.

WOOD PILES

MATERIALS:

WOOD PILES: ASTM D25  
MIN. COMPRESSIVE STRENGTH:  $F_c = 1200$  PSI PARALLEL TO GRAIN  
PRESSURE TREATMENT: AWPA C3 12 PCF CREOSOTE  
MIN. BUTT CIRCUMFERENCE: 36" MEASURED 3" FROM BUTT

- ALL PILES SHALL BE INSTALLED TO SUPPORT A MINIMUM AXIAL LOAD OF 15 TONS.
- CAPACITY OF PILES SHALL BE DETERMINED USING THE FOLLOWING FORMULA:

$$R = 2(E)(S+0.2)$$

WHERE R = SAFE BEARING VALUE IN POUNDS  
E = MEASURED STRIKING ENERGY OF HAMMER PER BLOWS (FOOT-POUNDS)  
S = AVERAGE PENETRATION PER BLOW IN INCHES THRU THE LAST THREE INCHES

- PRIOR TO ORDERING PILES, THE CONTRACTOR SHALL DRIVE TEST PILES TO DETERMINE ACTUAL PILE LENGTHS AND SATISFY PENETRATION RESISTANCE REQUIREMENTS.
- TOLERANCES:  
LATERAL DISPLACEMENT: 6 INCHES MAX.  
VARIATION FROM PLUMB: 2% MAX.  
CUT-OFF ELEVATION: +/- 1 INCH
- TREAT PILE CUT-OFF SURFACE WITH THREE COATS OF HOT CREOSOTE.
- BASE BID SHALL CONSIST OF 36 PILES AT 40 FT. LONG EACH  
REFER TO SPECIFICATION FOR UNIT PRICE ADJUSTMENTS WHERE ACTUAL INSTALLED PILE LENGTH AND QUANTITY VARY FROM BASE BID.

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 KEVED 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:  
1-#5 AT EACH FACE ON EACH SIDE OF OPENING, EXTENDING 2'-0" BEYOND OPENING.  
1-#5 X 4'-0" LONG AT EACH FACE DIAGONALLY AT EACH CORNER.
- REINFORCING STEEL SHOP DRAWINGS SHALL INDICATE THE SEQUENCE IN WHICH LAYERS OF CROSSING REINFORCING SHOULD BE PLACED, IN ORDER TO PRODUCE THE CORRECT OUTERMOST LAYER AS INDICATED ON THE DRAWINGS.

STRUCTURAL STEEL

MATERIALS:

STRUCTURAL STEEL W-SHAPES ASTM A 572, GR.50  
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:

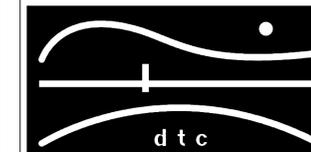
$F_b = 900$  PSI FOR BENDING  
 $F_c$  (perp.) = 625 PSI FOR COMPRESSION PERP. TO GRAIN  
 $F_c$  (par.) = 1350 PSI FOR COMPRESSION PARALLEL TO GRAIN  
 $F_v = 125$  PSI FOR HORIZONTAL SHEAR  
 $E = 1,600,000$  PSI MODULUS OF ELASTICITY

- 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 1 & 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 PRESURE TREATED.
- ALL PARALLAM PSI PLUS MEMBERS SHALL HAVE THE FOLLOWING PROPERTIES AND BE PRESURE TREATED (WOLMANIZED):  
 $F_b = 2900$  PSI  
 $F_c$  (perp.) = 750 PSI  
 $F_c$  (par.) = 2900 PSI  
 $F_v = 290$  PSI  
 $E = 2,000,000$  PSI

NOTES:

ISSUED FOR BIDDING :  
NOT FOR  
CONSTRUCTION

REVISIONS



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

OORR  
APPLICATION NO. 1846  
BURNS RESIDENCE  
3 MARSH RD.  
WESTPORT, CT

GENERAL  
NOTES

DTC PROJECT NUMBER: 13-449-026

DTC DRAWING FILE:

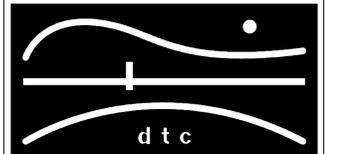
SCALE: N.T.S.	DRAWN BY: R.E.M.
DATE: 5/8/2015	CHECKED BY: R.M.

SHEET:

S-100

NOTES:  
 ISSUED FOR BIDDING :  
 NOT FOR  
 CONSTRUCTION

REVISIONS



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

OORR  
 APPLICATION NO. 1846  
 BURNS RESIDENCE  
 3 MARSH RD.  
 WESTPORT, CT

FOUNDATION  
 PLAN

DTC PROJECT NUMBER: 13-449-026

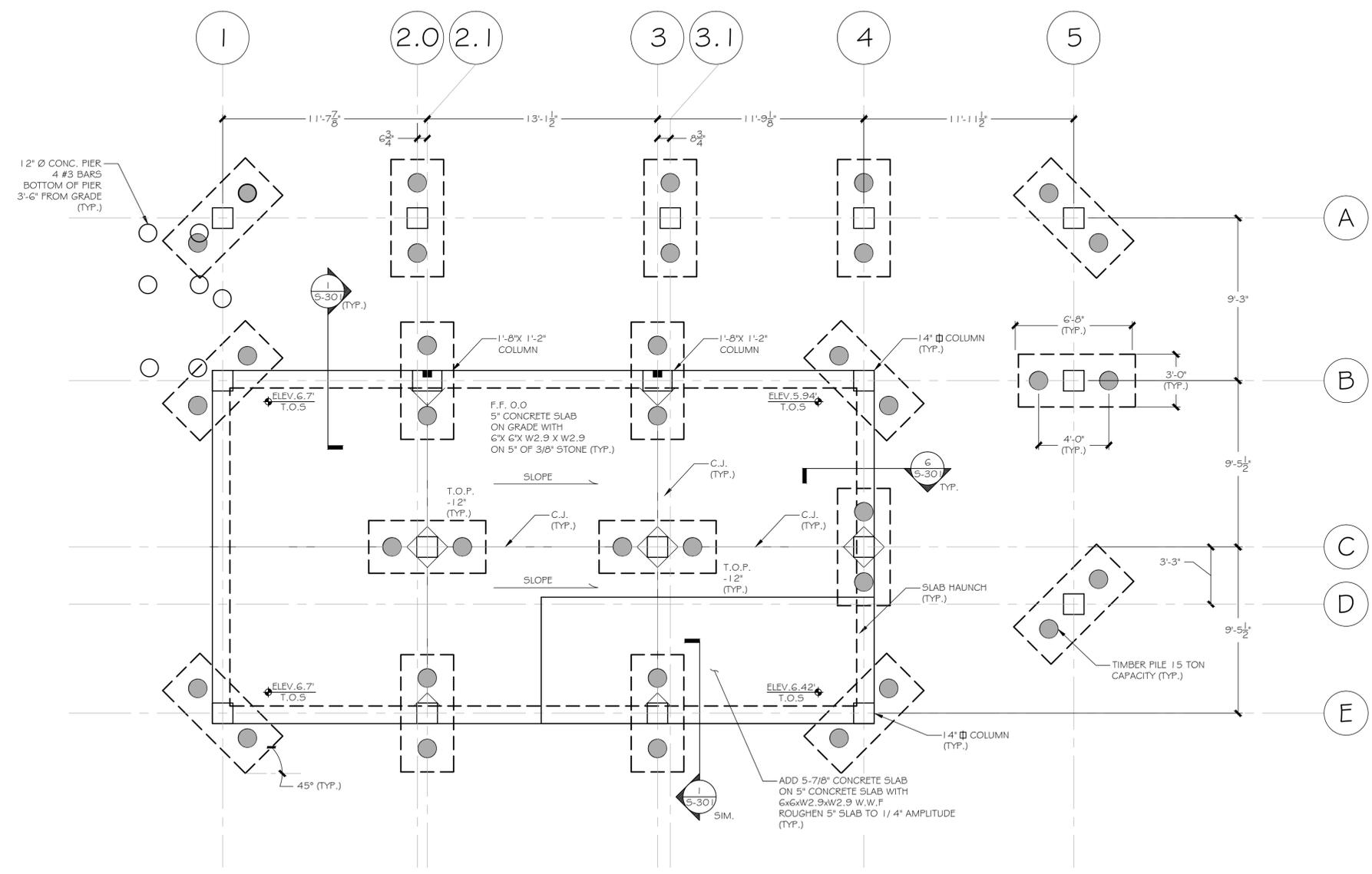
DTC DRAWING FILE:

SCALE: 1/4"=1'-0" DRAWN BY: R.E.M

DATE: 5/8/2015 CHECKED BY: R.M

SHEET:

S-101

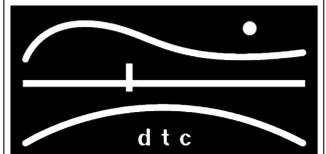


FOUNDATION PLAN  
 SCALE: 1/4" = 1'-0"

NOTES:

ISSUED FOR BIDDING :  
NOT FOR  
CONSTRUCTION

REVISIONS



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

OORR  
APPLICATION NO. 1846  
BURNS RESIDENCE  
3 MARSH RD.  
WESTPORT, CT

FIRST FLOOR  
FRAMING PLAN

DTC PROJECT NUMBER: 13-449-026

DTC DRAWING FILE:

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

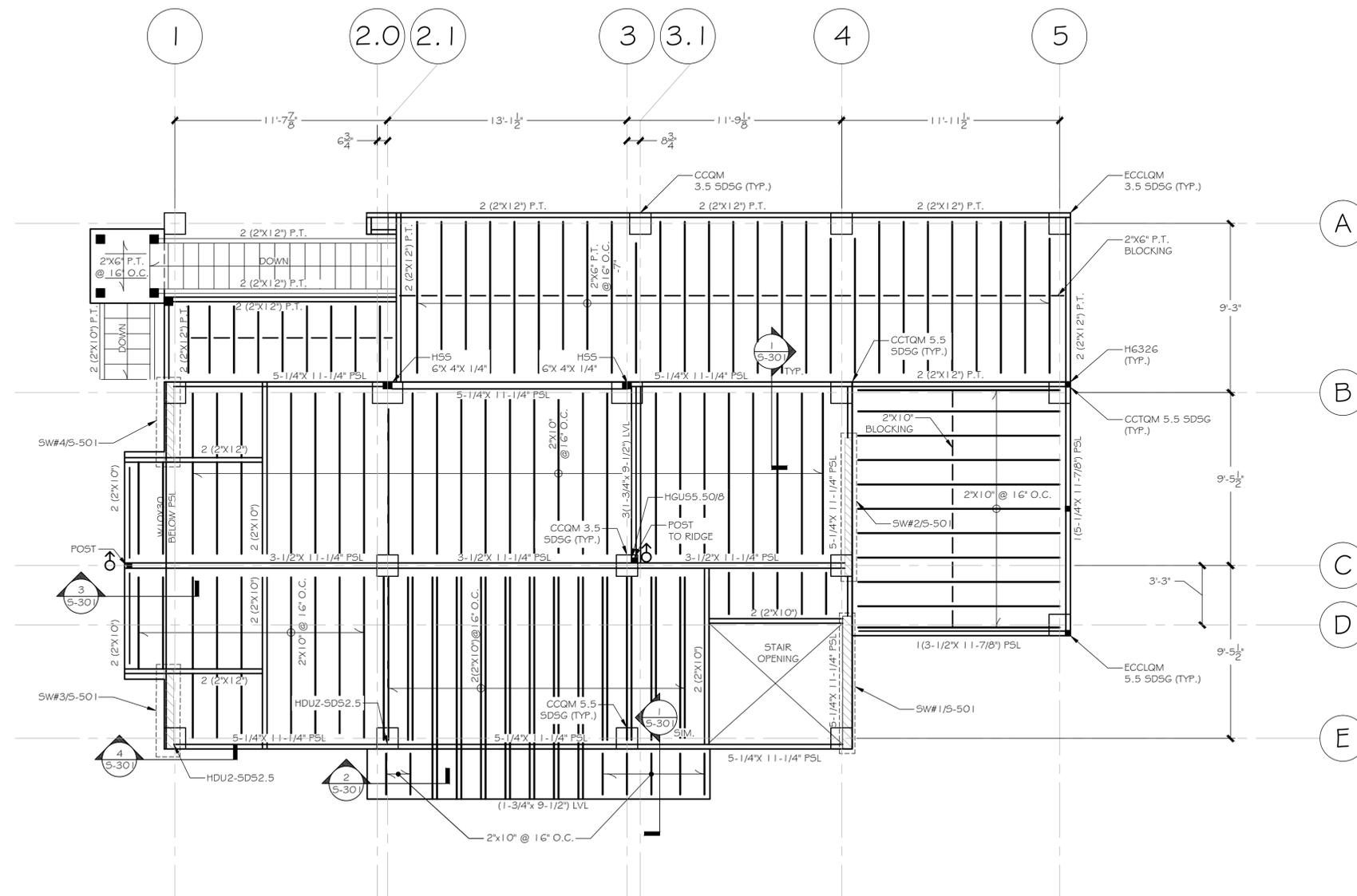
DATE: 5/8/2015

DRAWN BY: R.E.M

CHECKED BY: R.M

SHEET:

S-102



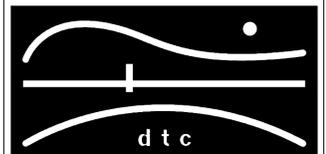
FIRST FLOOR FRAMING PLAN

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

NOTES:

ISSUED FOR BIDDING :  
NOT FOR  
CONSTRUCTION

REVISIONS



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

OORR  
APPLICATION NO. 1846  
BURNS RESIDENCE  
3 MARSH RD.  
WESTPORT, CT

SECOND FLOOR  
FRAMING PLAN

DTC PROJECT NUMBER: 13-449-026

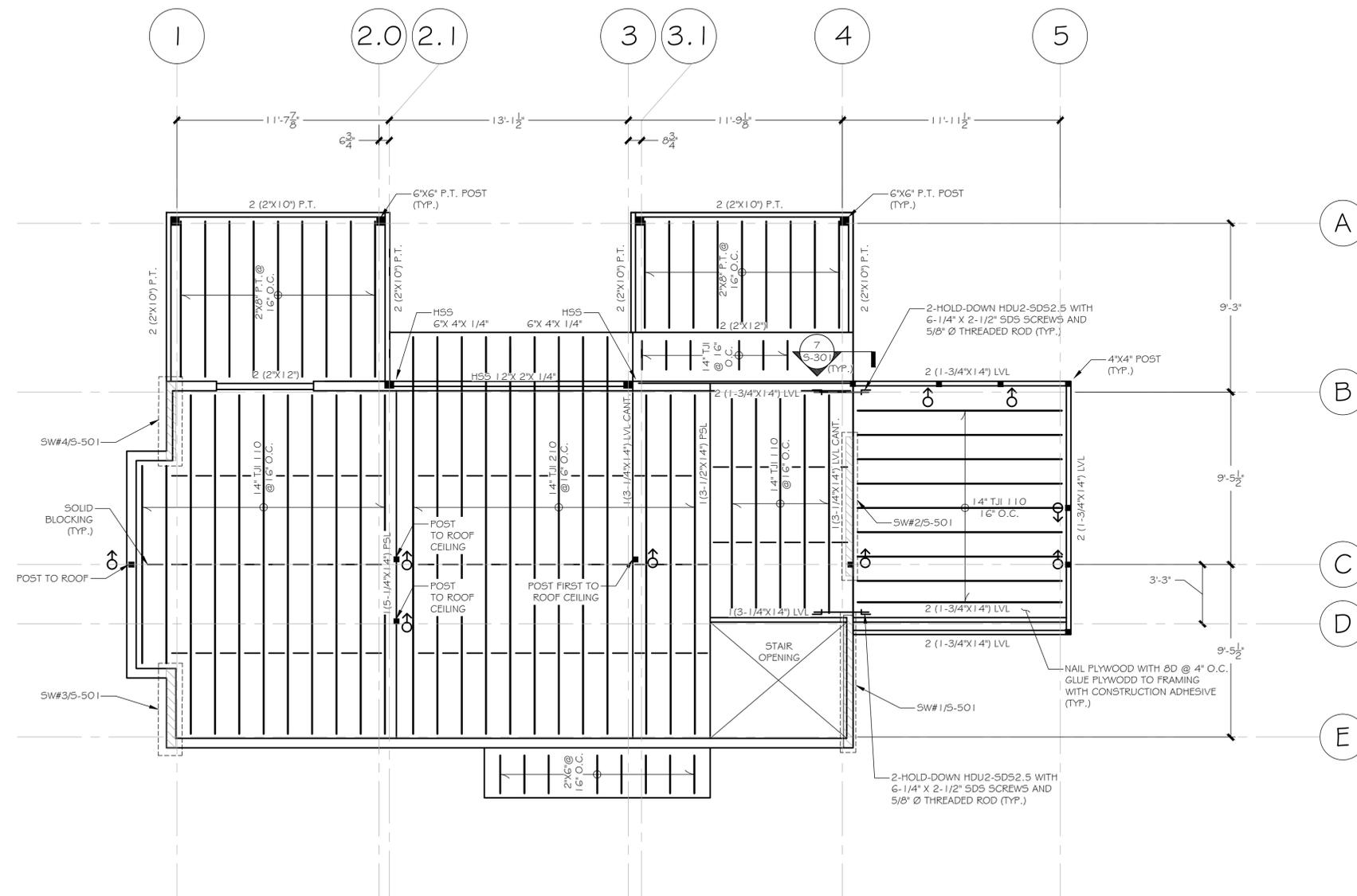
DTC DRAWING FILE:

SCALE: 1/4"=1'-0" DRAWN BY: R.E.M

DATE: 5/8/2015 CHECKED BY: R.M

SHEET:

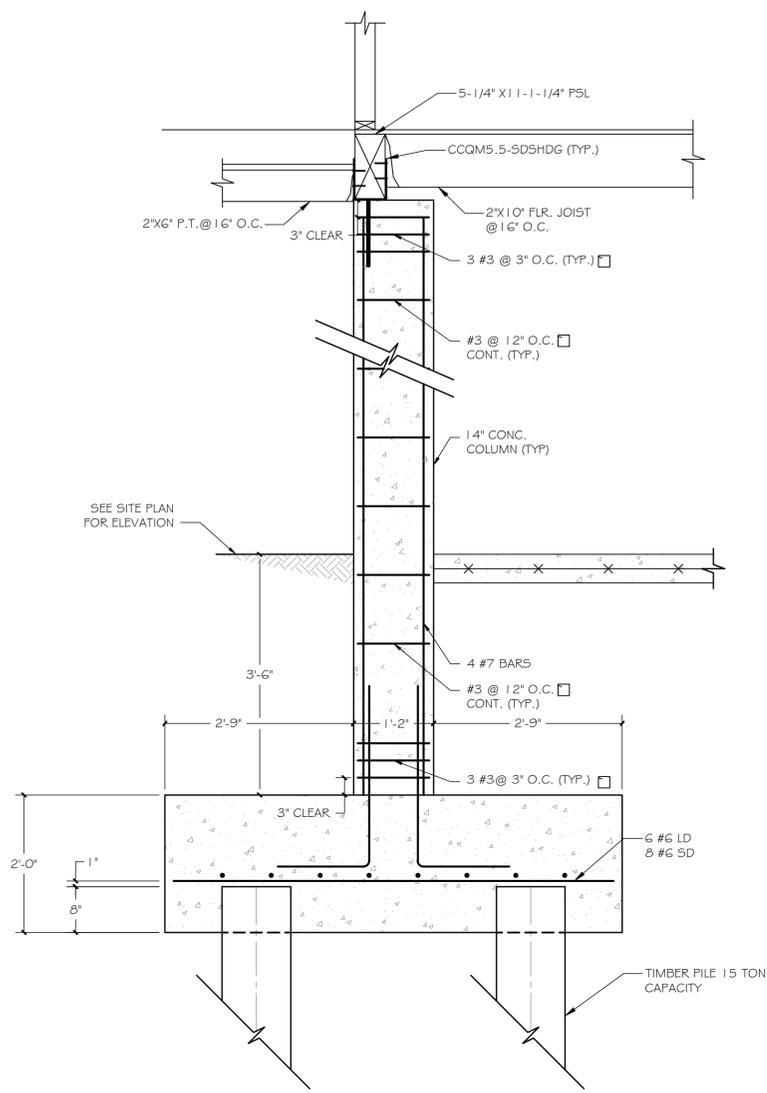
S-103



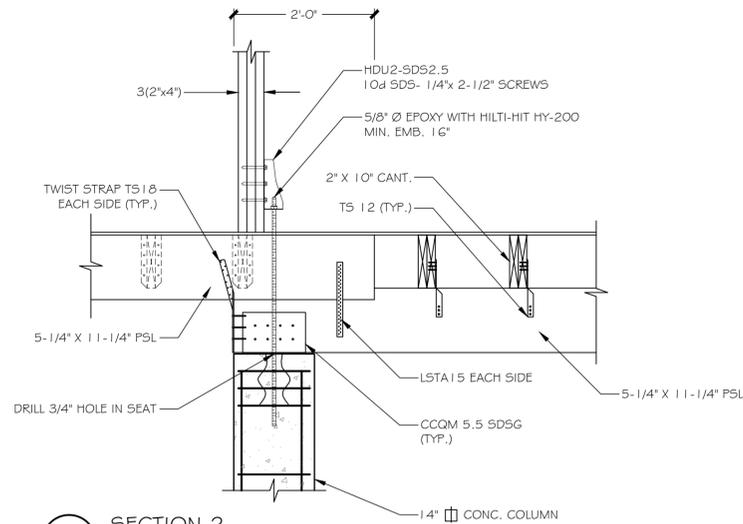
SECOND FLOOR FRAMING PLAN

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

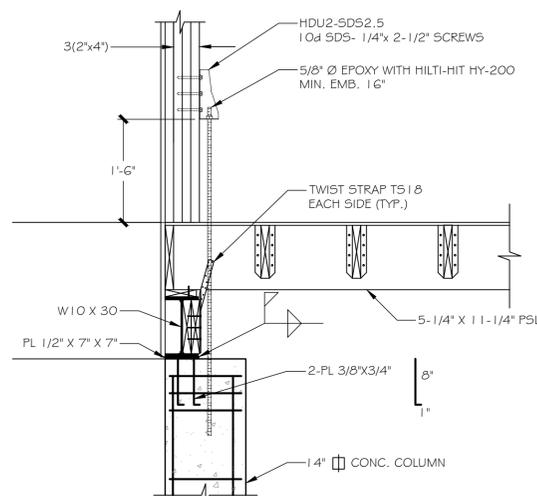




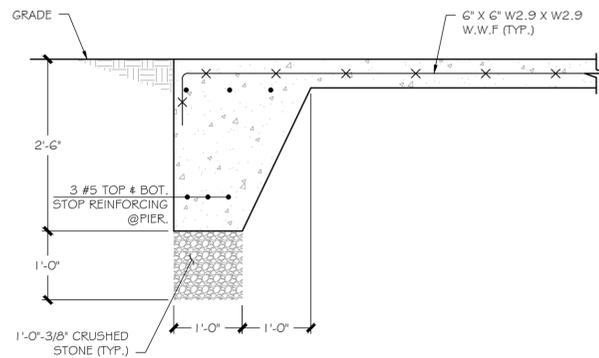
1 SECTION 1 (TYP.)  
SCALE: 3/4" = 1'-0"



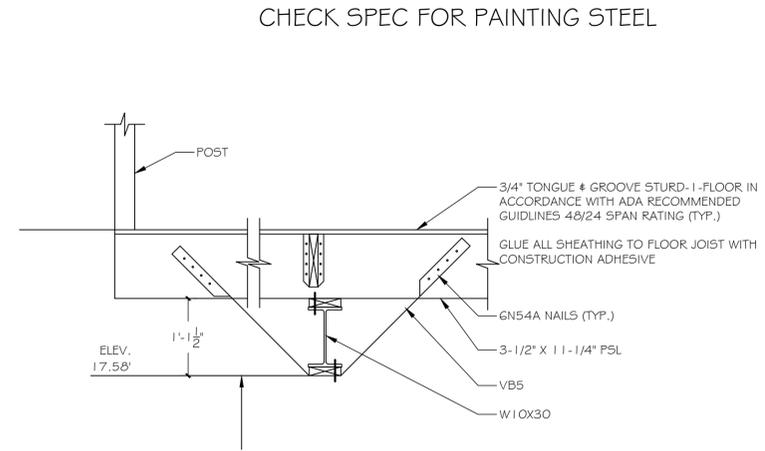
2 SECTION 2  
SCALE: 3/4" = 1'-0"



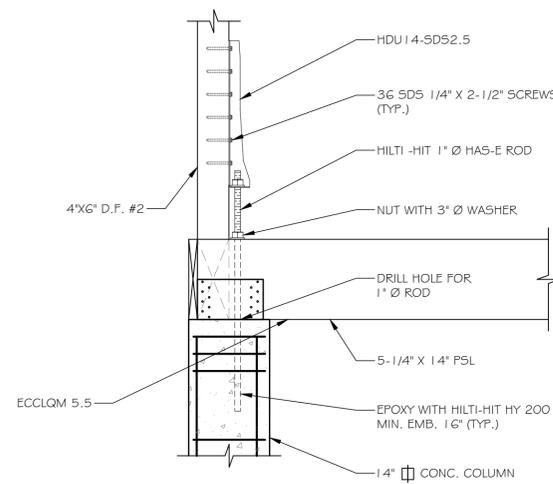
4 SECTION 4  
SCALE: N.T.S. = 1'-0"



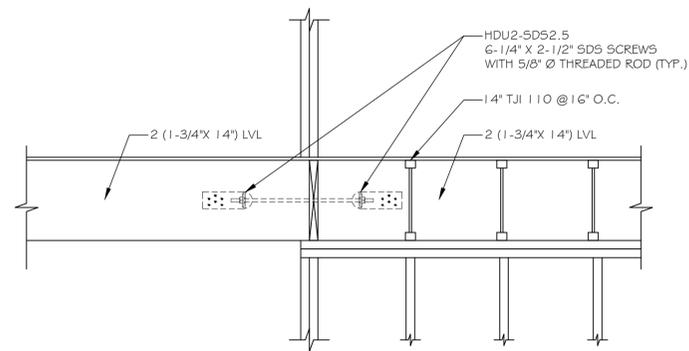
6 SECTION 5 (TYP.)  
SCALE: 3/4" = 1'-0"



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



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

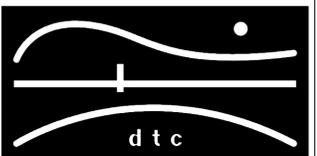


7 SECTION 7  
SCALE: 3/4" = 1'-0"

CHECK SPEC FOR PAINTING STEEL

NOTES:  
ISSUED FOR BIDDING :  
NOT FOR  
CONSTRUCTION

REVISIONS



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

OORR  
APPLICATION NO. 1846  
BURNS RESIDENCE  
3 MARSH RD.  
WESTPORT, CT

SECTIONS

DTC PROJECT NUMBER: 13-449-026

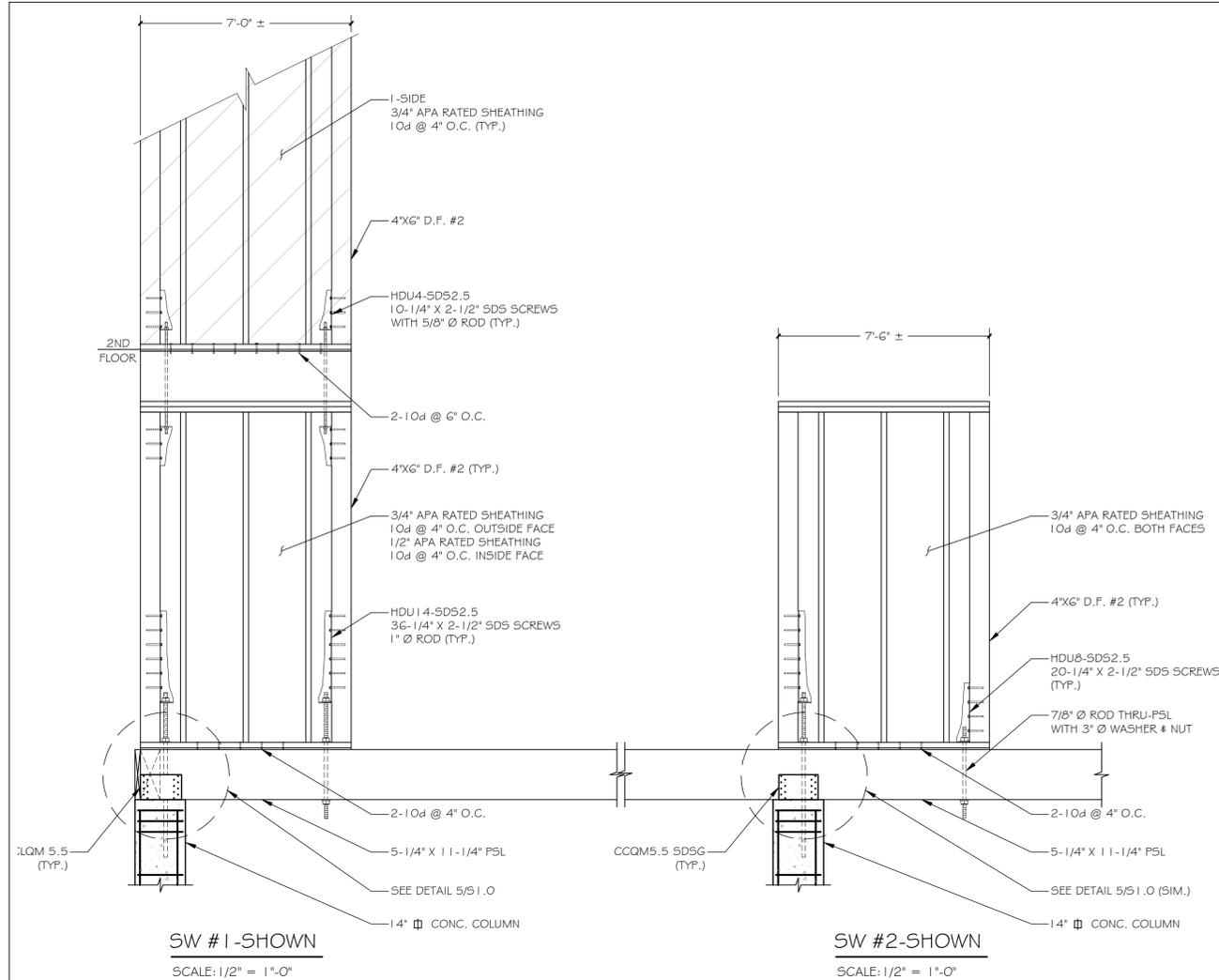
DTC DRAWING FILE:

SCALE: 3/4"=1'0" DRAWN BY: R.E.M

DATE: 5/8/2015 CHECKED BY: F.C

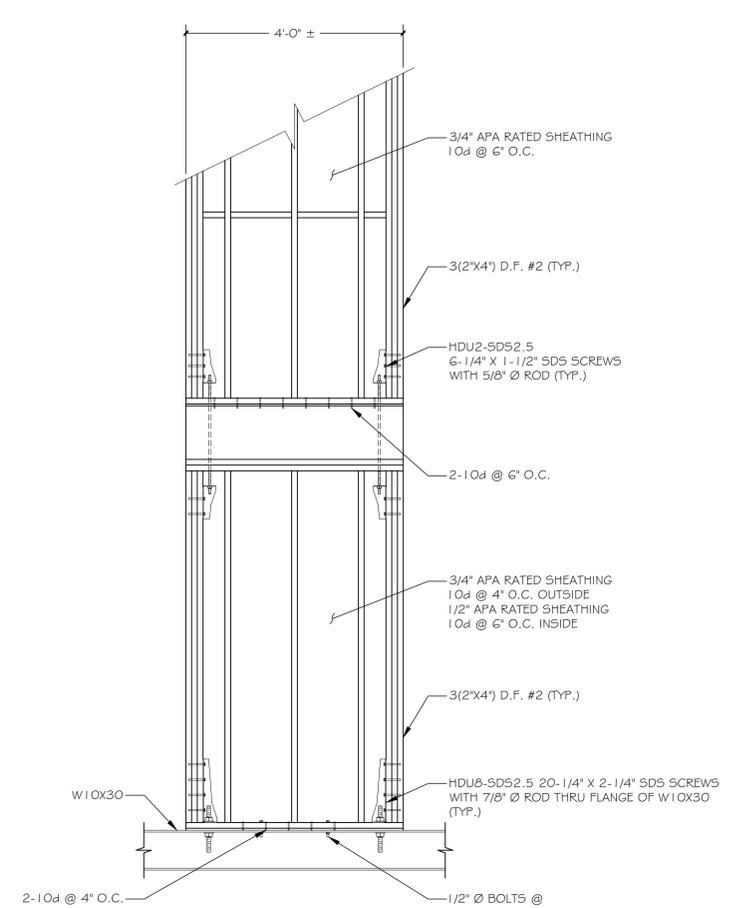
SHEET:

S-301

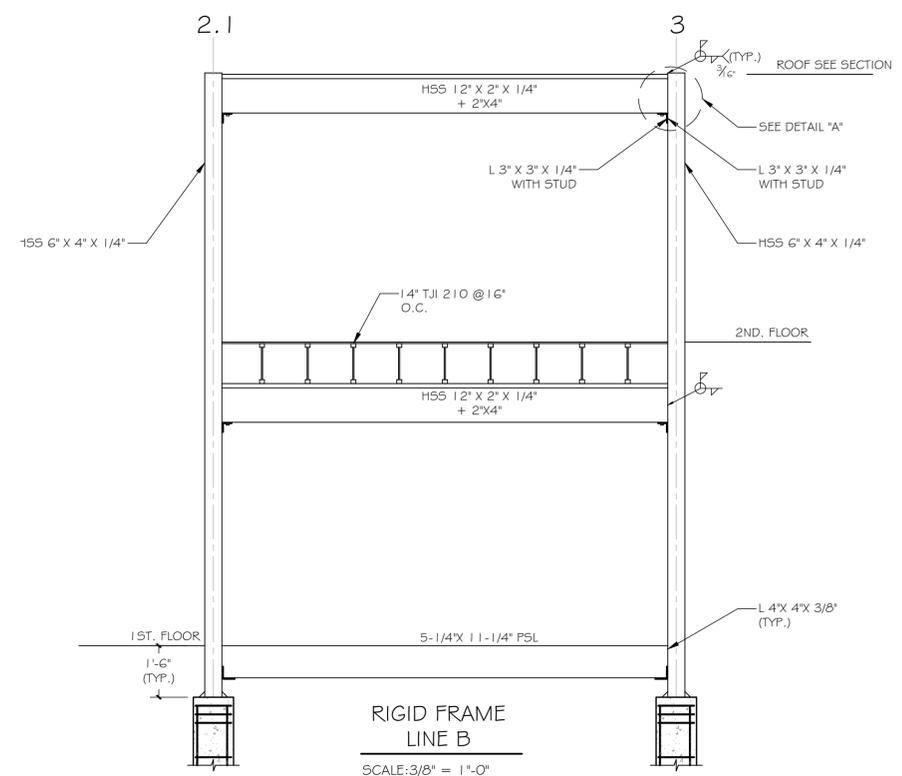


**SW #1-SHOWN**  
SCALE: 1/2" = 1'-0"

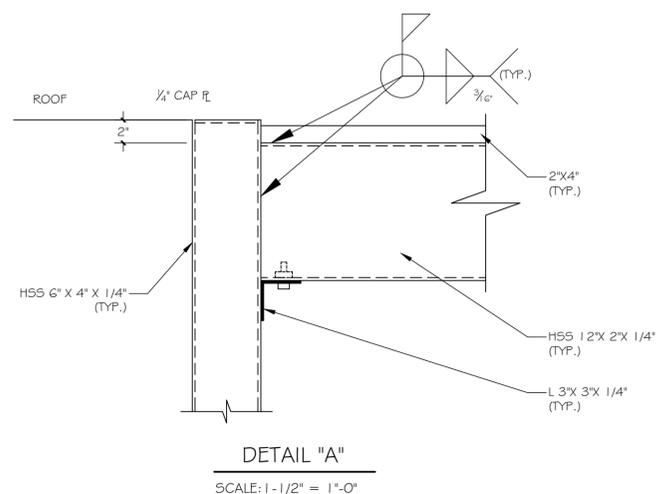
**SW #2-SHOWN**  
SCALE: 1/2" = 1'-0"



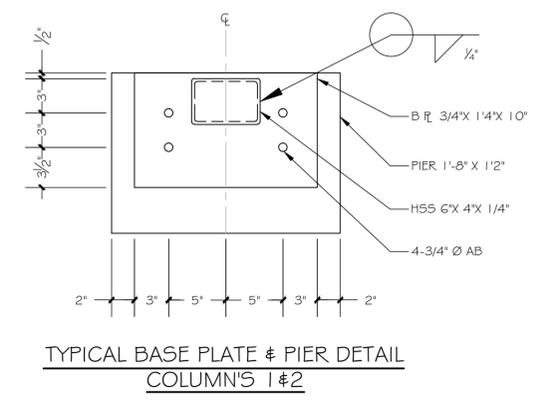
**SW #3-SHOWN**  
**SW #4 OPPOSITE HAND**  
SCALE: 1/2" = 1'-0"



**RIGID FRAME**  
**LINE B**  
SCALE: 3/8" = 1'-0"



**DETAIL "A"**  
SCALE: 1-1/2" = 1'-0"



**TYPICAL BASE PLATE & PIER DETAIL**  
**COLUMN'S 1#2**  
SCALE: 1-1/2" = 1'-0"

NOTES:  
**ISSUED FOR BIDDING :**  
**NOT FOR**  
**CONSTRUCTION**

REVISIONS



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

**OORR**  
**APPLICATION NO. 1846**  
**BURNS RESIDENCE**  
**3 MARSH RD.**  
**WESTPORT, CT**

**DETAILS**

DTC PROJECT NUMBER: 13-449-026  
DTC DRAWING FILE:  
SCALE: VARIES DRAWN BY: R.E.M.  
DATE: 5/8/2015 CHECKED BY: F.C.

SHEET:  
**S-501**

GENERAL NOTES

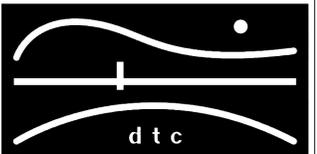
1. EXTERIOR DIMENSIONS ARE TO FACE OF FRAMING.
2. INTERIOR DIMENSIONS ARE TO FINISH FACE OF GYP.
3. KITCHEN CABINETS, & APPLIANCES BY OWNER, N.I.C.

NOTES:

ISSUED FOR BIDDING :  
NOT FOR  
CONSTRUCTION



REVISIONS



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

OORR  
APPLICATION NO. 1846  
BURNS RESIDENCE  
3 MARSH RD.  
WESTPORT, CT

GROUND & FIRST FLOOR PLANS

DTC PROJECT NUMBER: 13-449-026

DTC DRAWING FILE:

SCALE: 1/4"=1'-0" DRAWN BY: R.E.M.

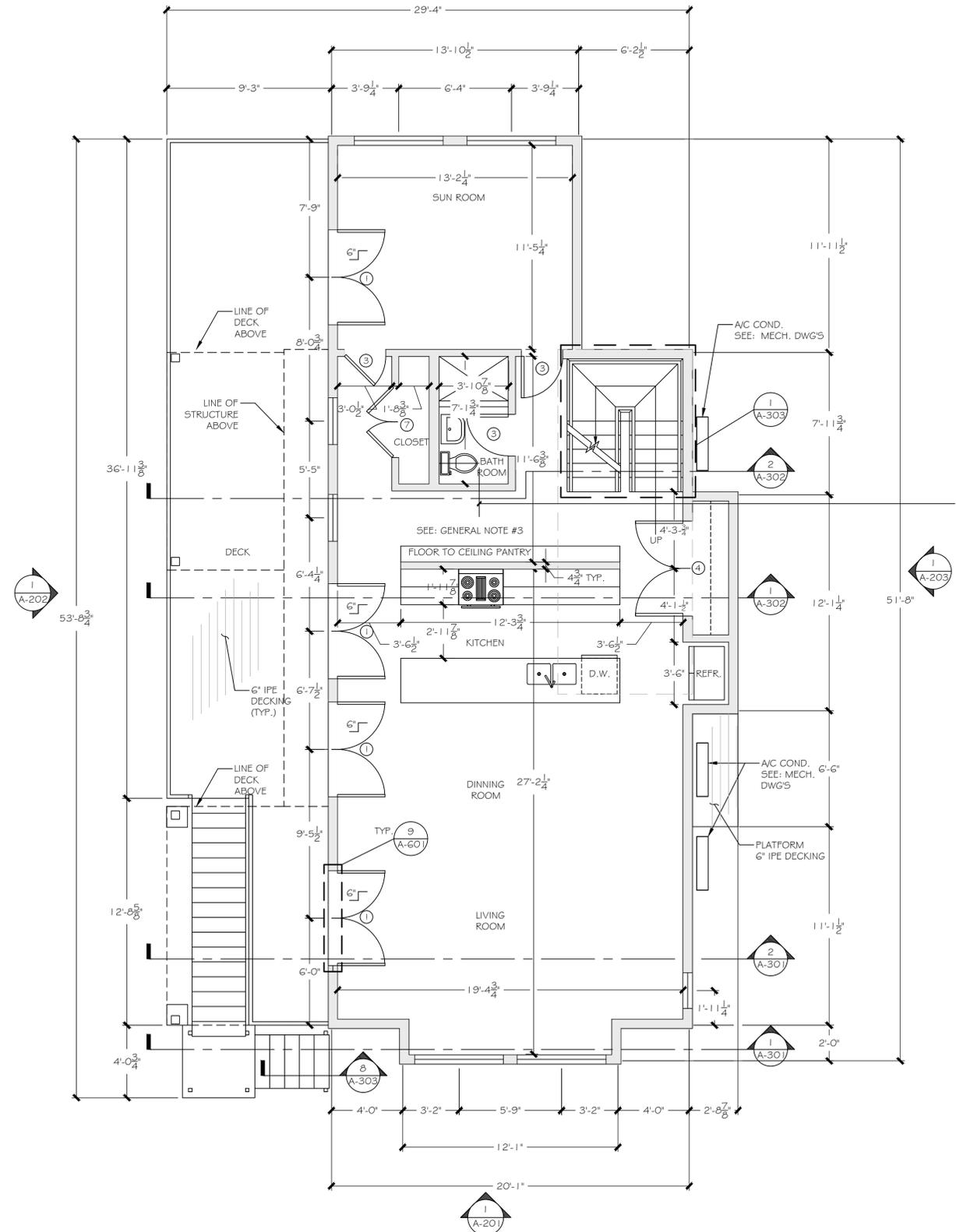
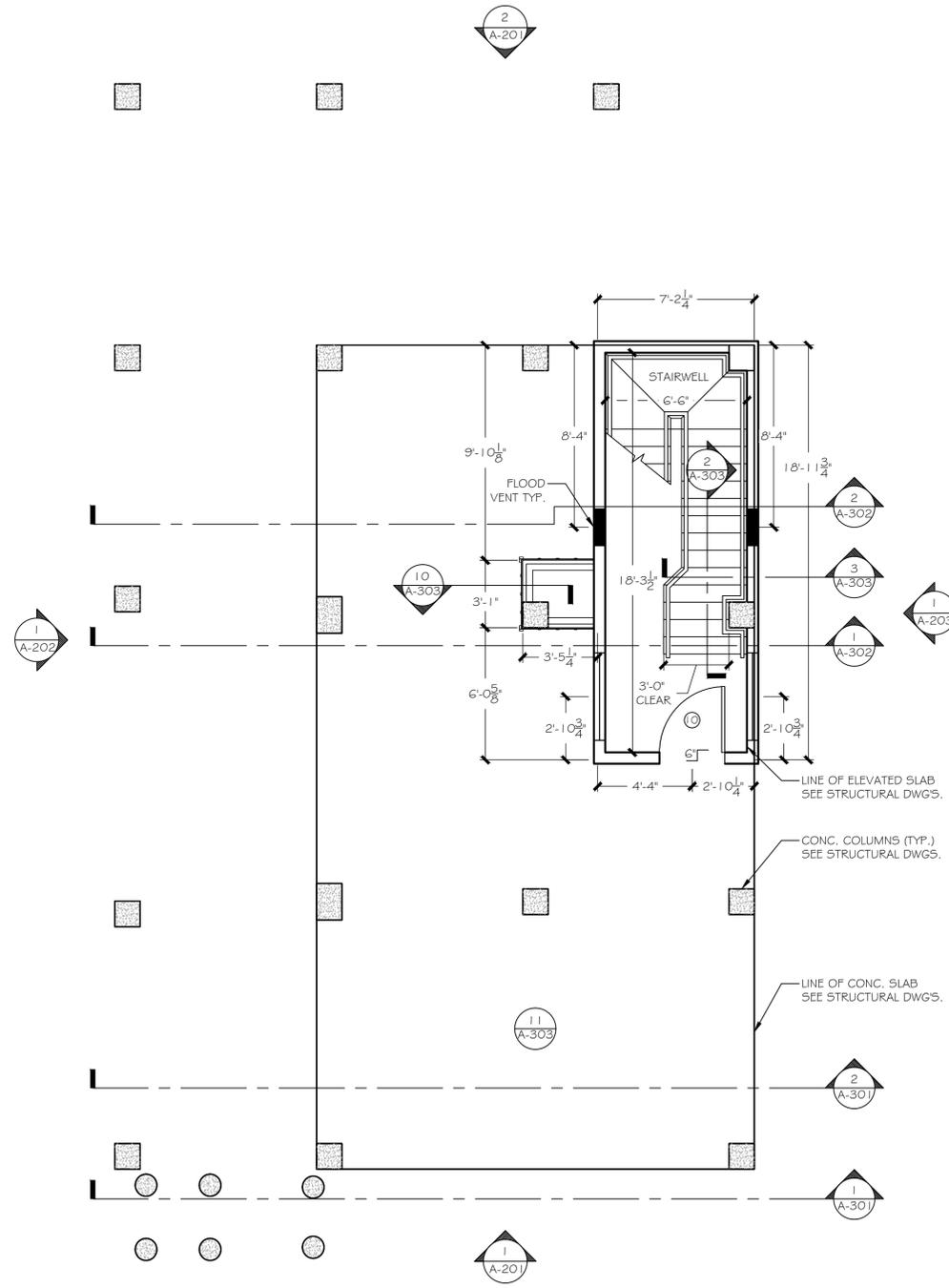
DATE: 5/8/2015 CHECKED BY: R.M.

SHEET:

A-101

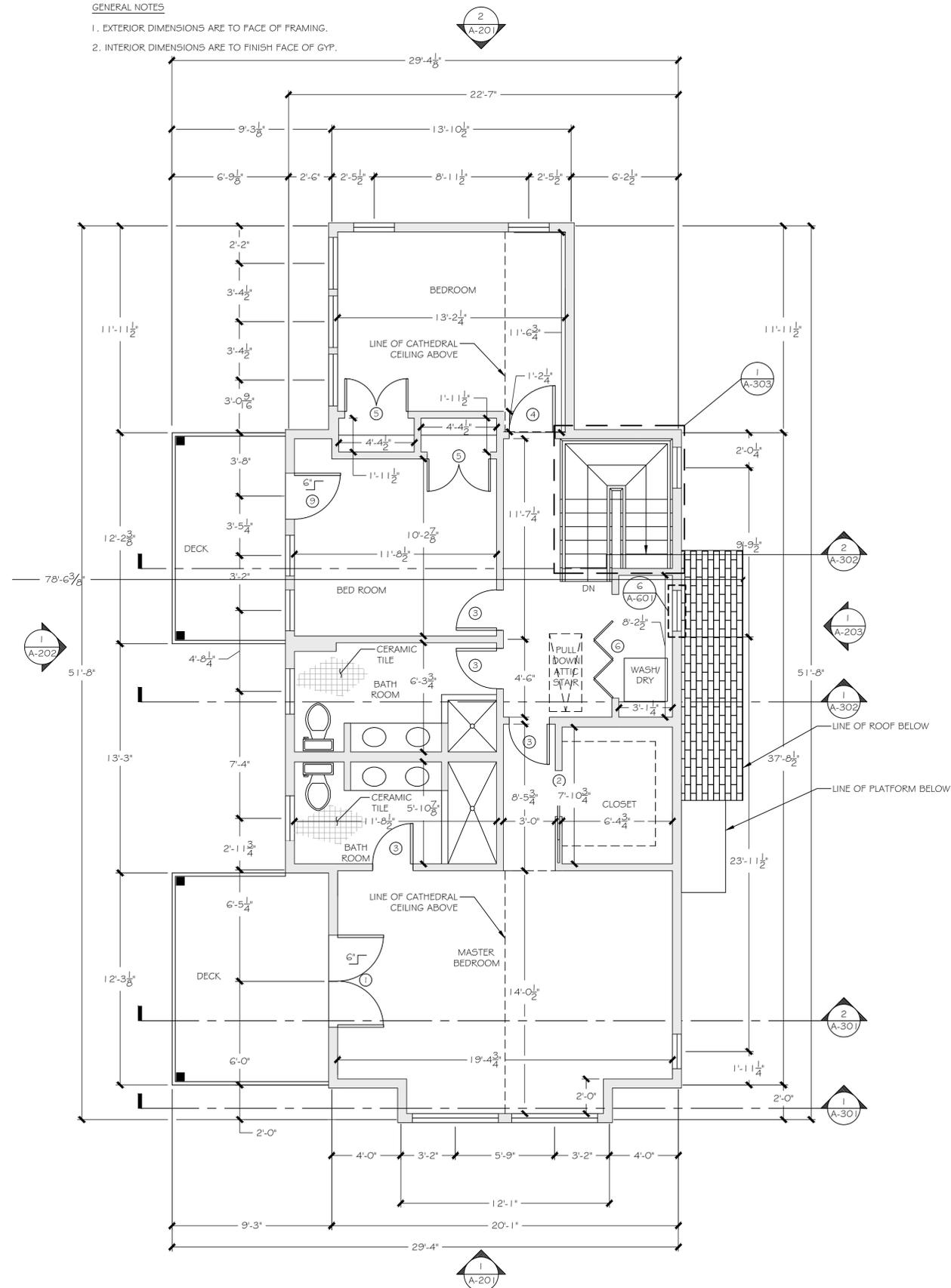
1 GROUND FLOOR PLAN  
A-101 SCALE: 1/4" = 1'-0"

2 FIRST FLOOR PLAN  
A-101 SCALE: 1/4" = 1'-0"



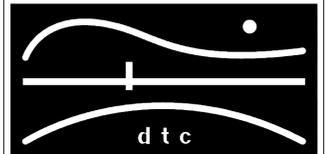
GENERAL NOTES

1. EXTERIOR DIMENSIONS ARE TO FACE OF FRAMING.
2. INTERIOR DIMENSIONS ARE TO FINISH FACE OF GYP.



NOTES:  
ISSUED FOR BIDDING :  
NOT FOR  
CONSTRUCTION

REVISIONS



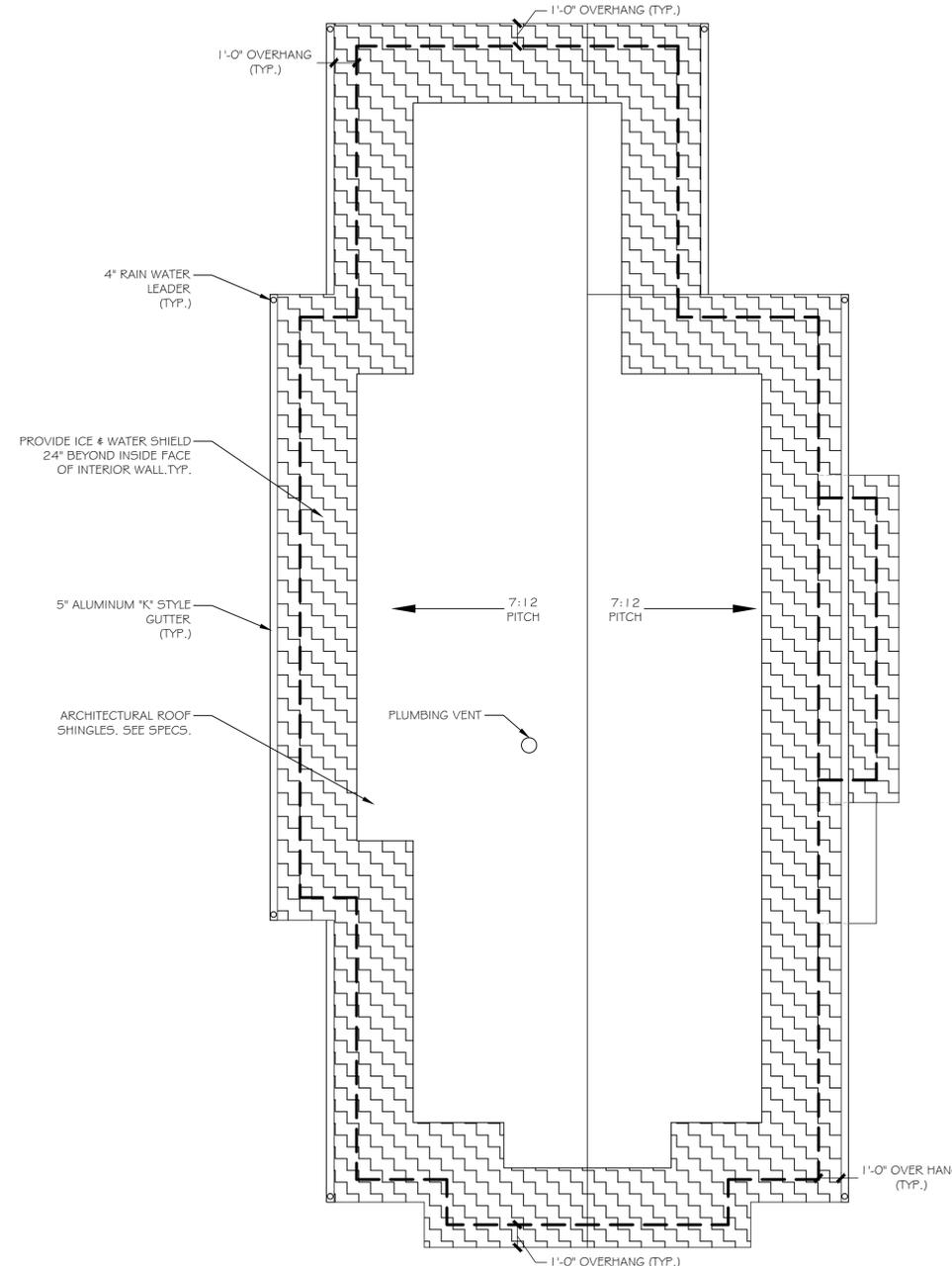
DIVERSIFIED TECHNOLOGY CONSULTANTS  
2321 WHITNEY AVE. HAMDEN CT 06518  
203 239 4200 203 234 7376 FAX

OORR  
APPLICATION NO. 1846  
BURNS RESIDENCE  
3 MARSH RD.  
WESTPORT, CT

SECOND FLOOR &  
ROOF PLANS

DTC PROJECT NUMBER: 13-449-026  
DTC DRAWING FILE:  
SCALE: 1/4"=1'-0" DRAWN BY: R.E.M.  
DATE: 5/8/2015 CHECKED BY: R.M.

SHEET:  
**A-102**

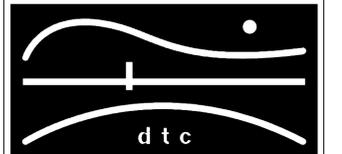


1 SECOND FLOOR PLAN  
SCALE: 1/4" = 1'-0"

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

NOTES:  
**ISSUED FOR BIDDING :**  
**NOT FOR**  
**CONSTRUCTION**

REVISIONS



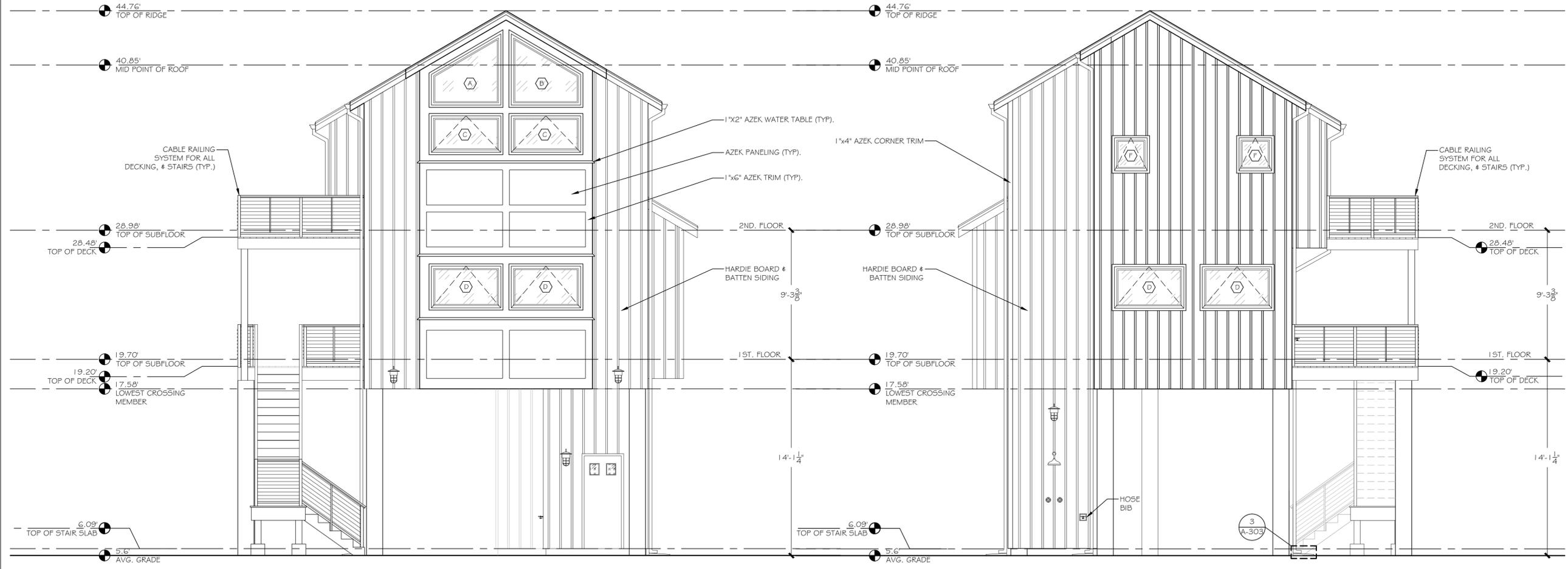
DIVERSIFIED TECHNOLOGY CONSULTANTS  
 2321 WHITNEY AVE. HAMDEN CT 06518  
 203 239 4200 203 234 7376 FAX

OORR  
 APPLICATION NO. 1846  
 BURNS RESIDENCE  
 3 MARSH RD.  
 WESTPORT, CT

**WEST & EAST  
 ELEVATIONS**

DTC PROJECT NUMBER: 13-449-026  
 DTC DRAWING FILE:  
 SCALE: 1/4"=1'-0" DRAWN BY: R.E.M.  
 DATE: 5/8/2015 CHECKED BY: R.M.

SHEET:  
**A-201**

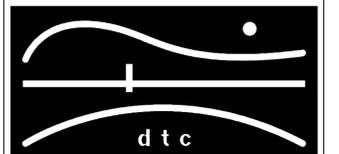


1 WEST ELEVATION  
 A-201 SCALE: 1/4" = 1'-0"

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

NOTES:  
 ISSUED FOR BIDDING :  
 NOT FOR  
 CONSTRUCTION

REVISIONS



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

OORR  
 APPLICATION NO. 1846  
 BURNS RESIDENCE  
 3 MARSH RD.  
 WESTPORT, CT

SOUTH  
 ELEVATION

DTC PROJECT NUMBER: 13-449-026

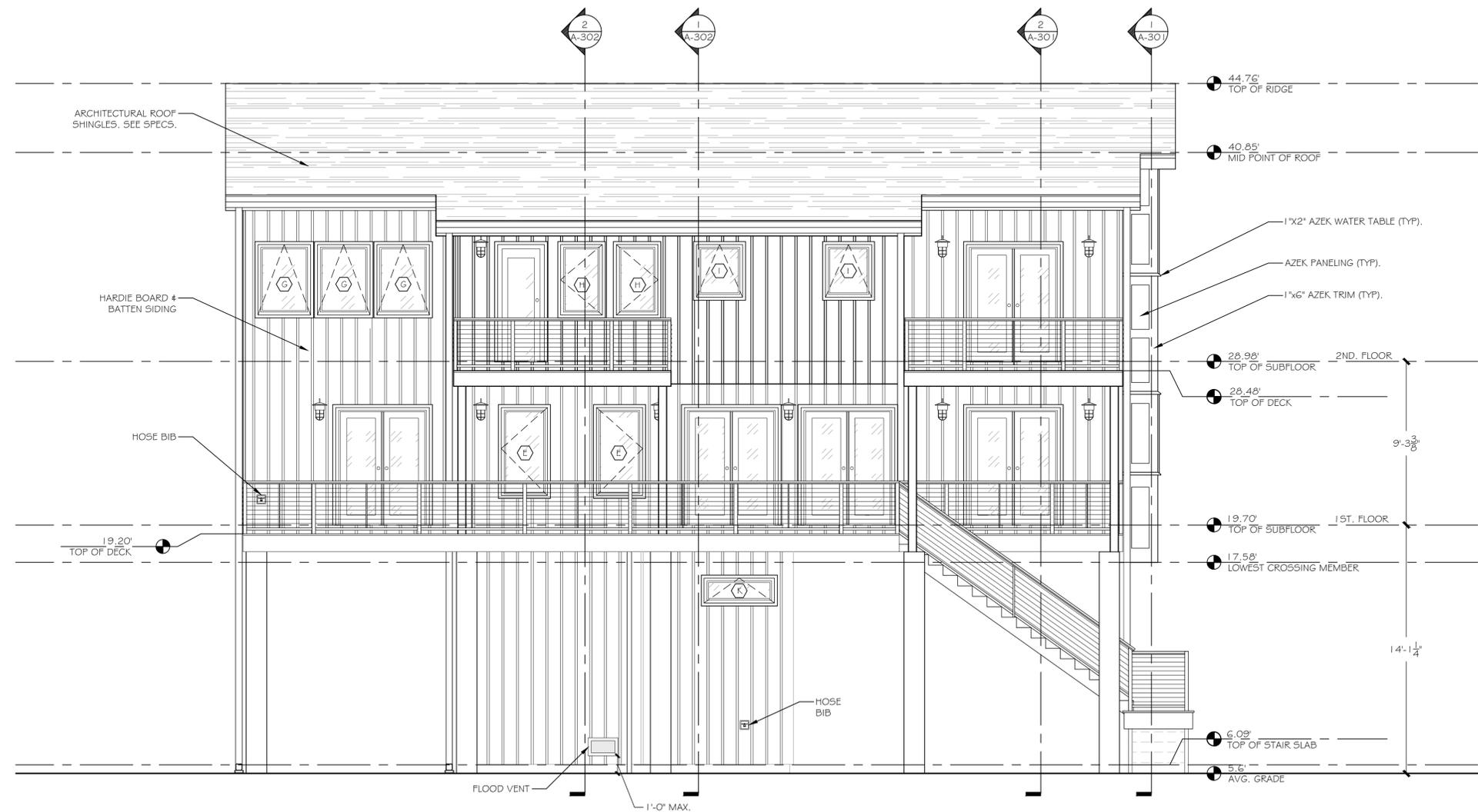
DTC DRAWING FILE:

SCALE: 1/4"=1'-0" DRAWN BY: R.E.M

DATE: 5/8/2015 CHECKED BY: R.M

SHEET:

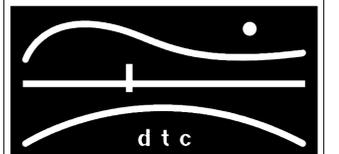
A-202



1 SOUTH ELEVATION  
 A-202 SCALE: 1/4" = 1'-0"

NOTES:  
 ISSUED FOR BIDDING :  
 NOT FOR  
 CONSTRUCTION

REVISIONS



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

OORR  
 APPLICATION NO. 1846  
 BURNS RESIDENCE  
 3 MARSH RD.  
 WESTPORT, CT

NORTH  
 ELEVATION

DTC PROJECT NUMBER: 13-449-026

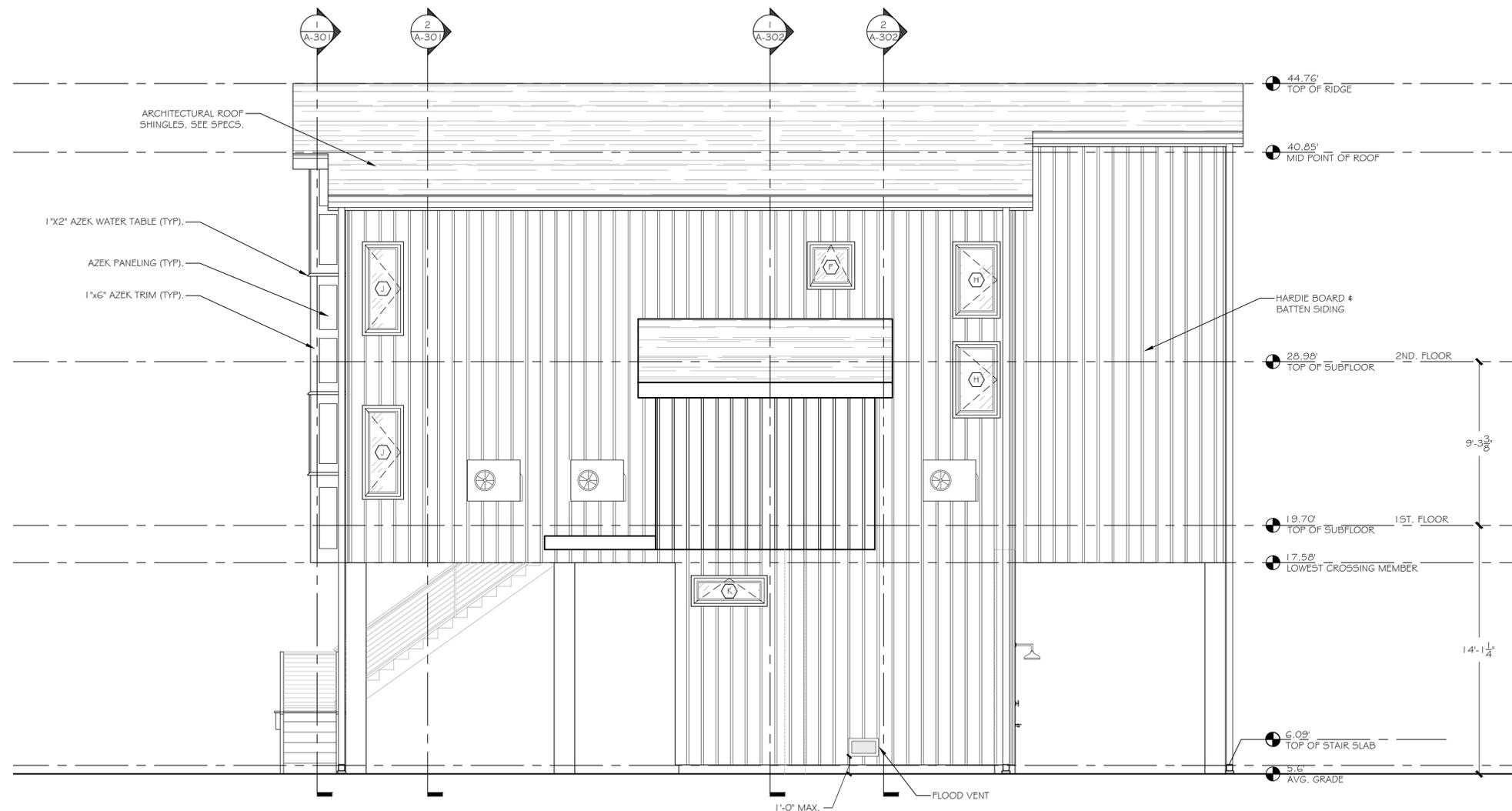
DTC DRAWING FILE:

SCALE: 1/4"=1'-0" DRAWN BY: R.E.M

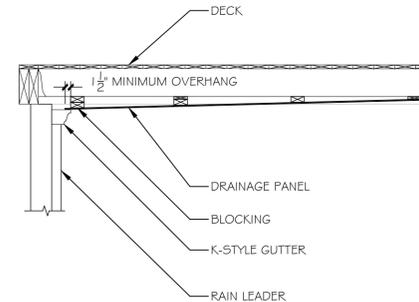
DATE: 5/8/2015 CHECKED BY: R.M

SHEET:

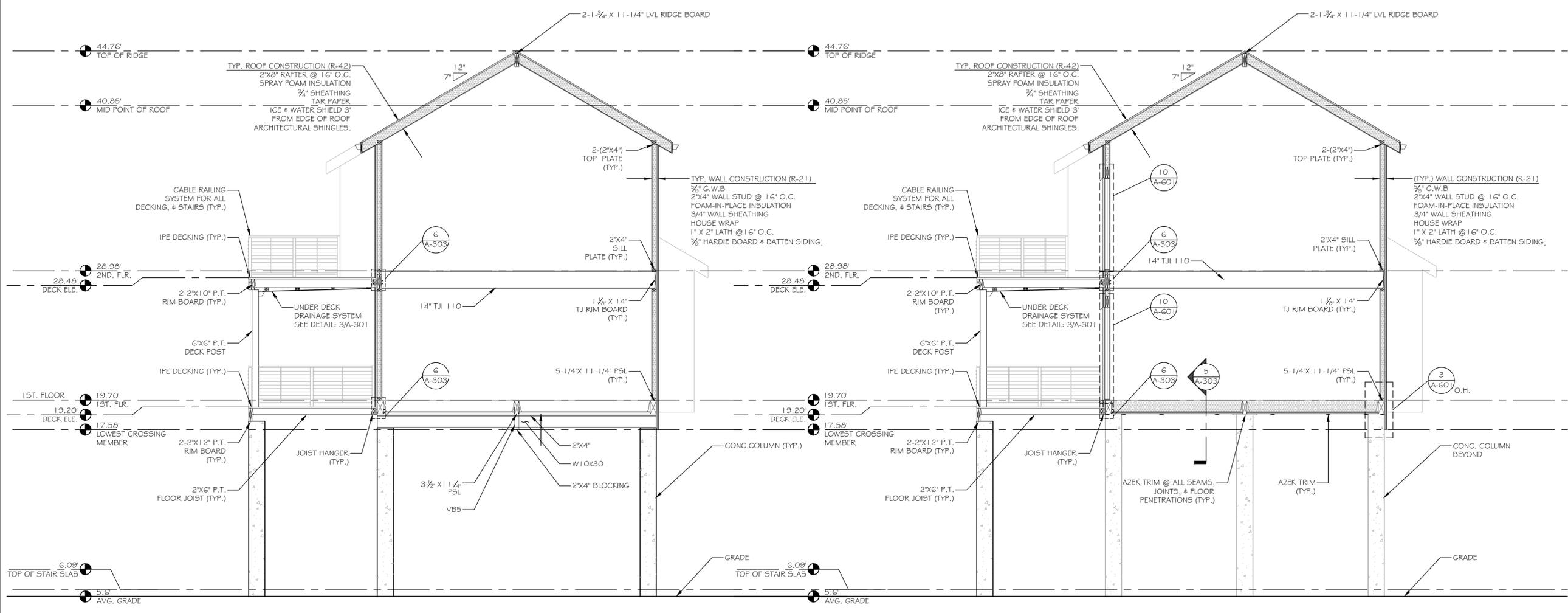
A-203



1 NORTH ELEVATION  
 A-203 SCALE: 1/4" = 1'-0"



3 TYPICAL UNDER DECK DRAINAGE  
SCALE: 1/2" = 1'-0"

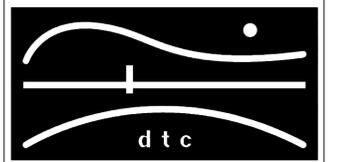


1 HOUSE SECTION  
SCALE: 1/4" = 1'-0"

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

NOTES:  
**ISSUED FOR BIDDING :  
NOT FOR  
CONSTRUCTION**

REVISIONS



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

OORR  
APPLICATION NO. 1846  
BURNS RESIDENCE  
3 MARSH RD.  
WESTPORT, CT

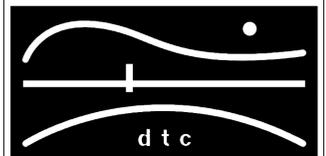
HOUSE  
SECTIONS

DTC PROJECT NUMBER: 13-449-026  
DTC DRAWING FILE:  
SCALE: 1/4"=1'-0" DRAWN BY: R.E.M.  
DATE: 5/8/2015 CHECKED BY: R.M.

SHEET:  
**A-301**

NOTES:  
**ISSUED FOR BIDDING :**  
**NOT FOR**  
**CONSTRUCTION**

REVISIONS



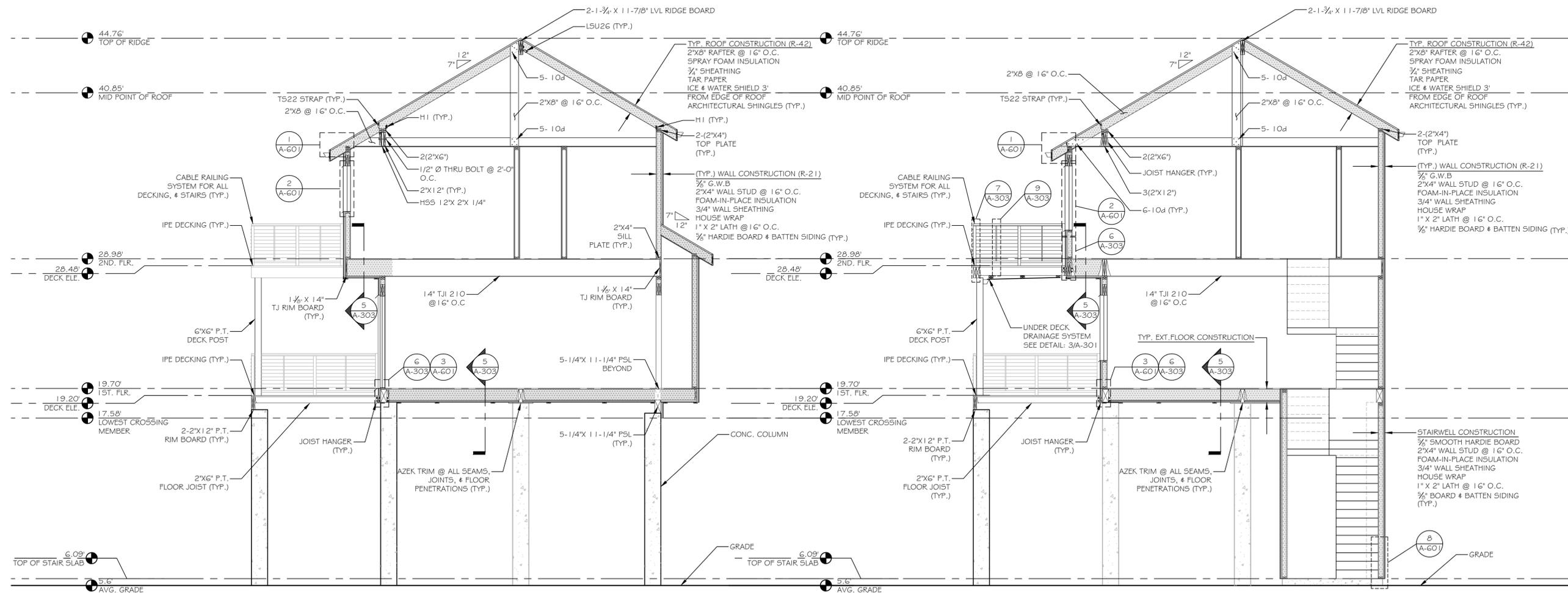
DIVERSIFIED TECHNOLOGY CONSULTANTS  
 2321 WHITNEY AVE. HAMDEN CT 06518  
 203 239 4200 203 234 7376 FAX

OORR  
 APPLICATION NO. 1846  
 BURNS RESIDENCE  
 3 MARSH RD.  
 WESTPORT, CT

HOUSE  
 SECTIONS

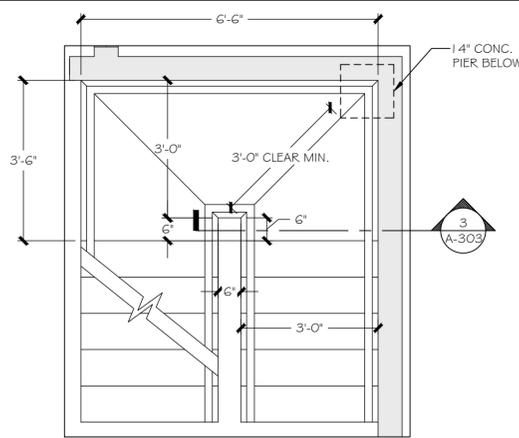
DTC PROJECT NUMBER: 13-449-026  
 DTC DRAWING FILE:  
 SCALE: 1/4"=1'-0" DRAWN BY: R.E.M.  
 DATE: 5/8/2015 CHECKED BY: R.M.

SHEET:  
**A-302**

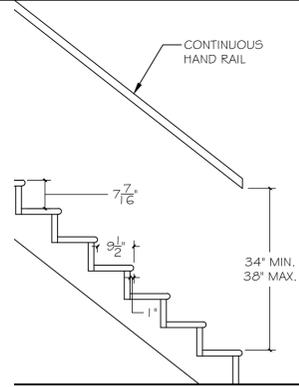


1 MIDDLE SECTION  
 A-302 SCALE: 1/4" = 1'-0"

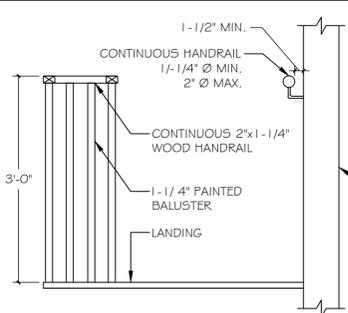
2 REAR SECTION  
 A-302 SCALE: 1/4" = 1'-0"



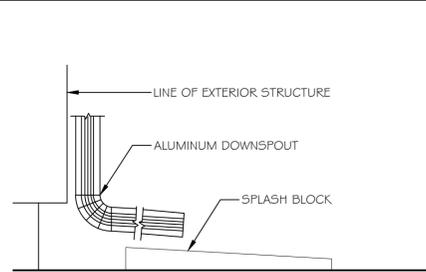
1 STAIR WINDER DETAIL  
A-303 SCALE: 1/2" = 1'-0"



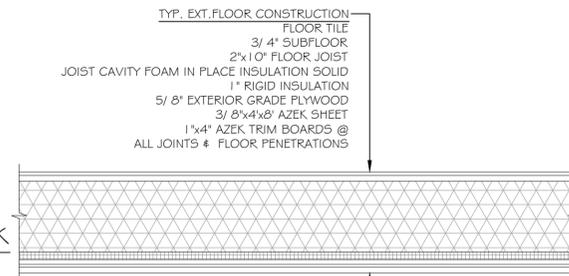
2 STAIR TREAD/RISE DETAIL  
A-303 SCALE: 1/2" = 1'-0"



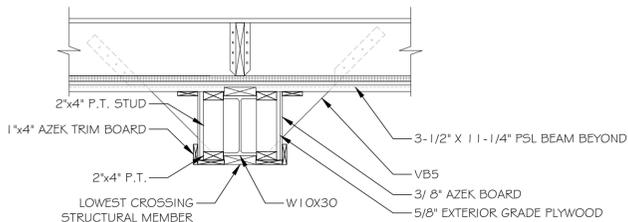
3 HAND RAIL DETAILS TYP.  
A-303 SCALE: 3/4" = 1'-0"



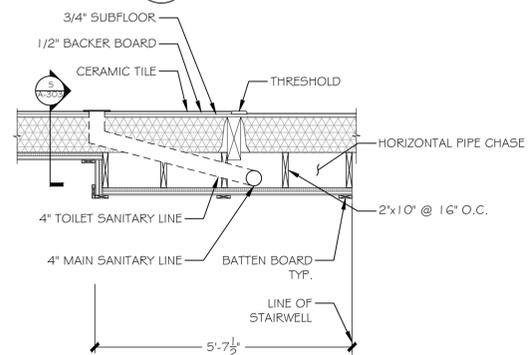
4 TYPICAL DOWNSPOUT & SPLASH BLOCK  
A-303 SCALE: N.T.S.



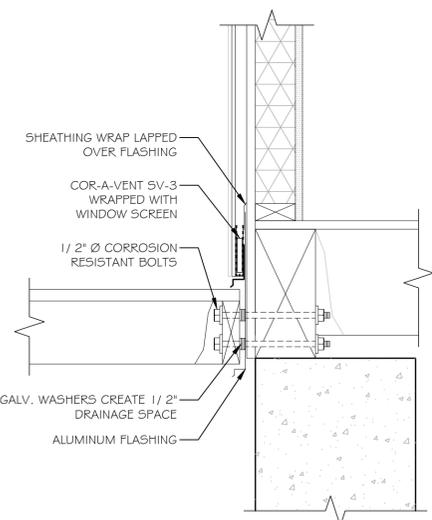
5 TYPICAL EXTERIOR FLOOR SECTION  
A-303 SCALE: 1" = 1'-0"



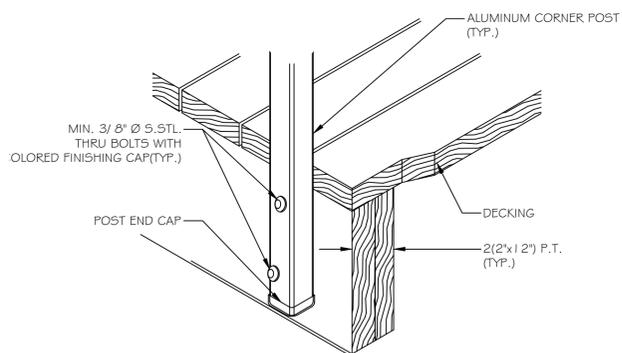
13 STEEL BEAM ENCLOSURE  
A-303 SCALE: 3/4" = 1'-0"



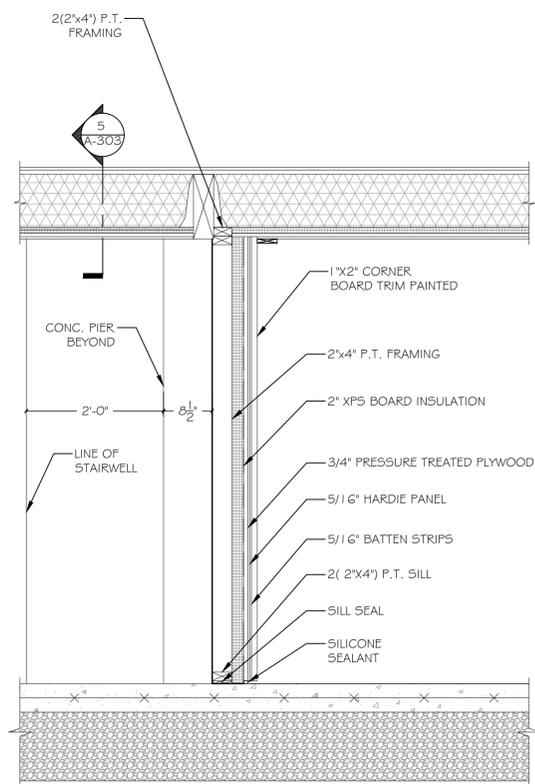
12 TYPICAL HORIZONTAL PIPE CHASE  
A-303 SCALE: 1/2" = 1'-0"



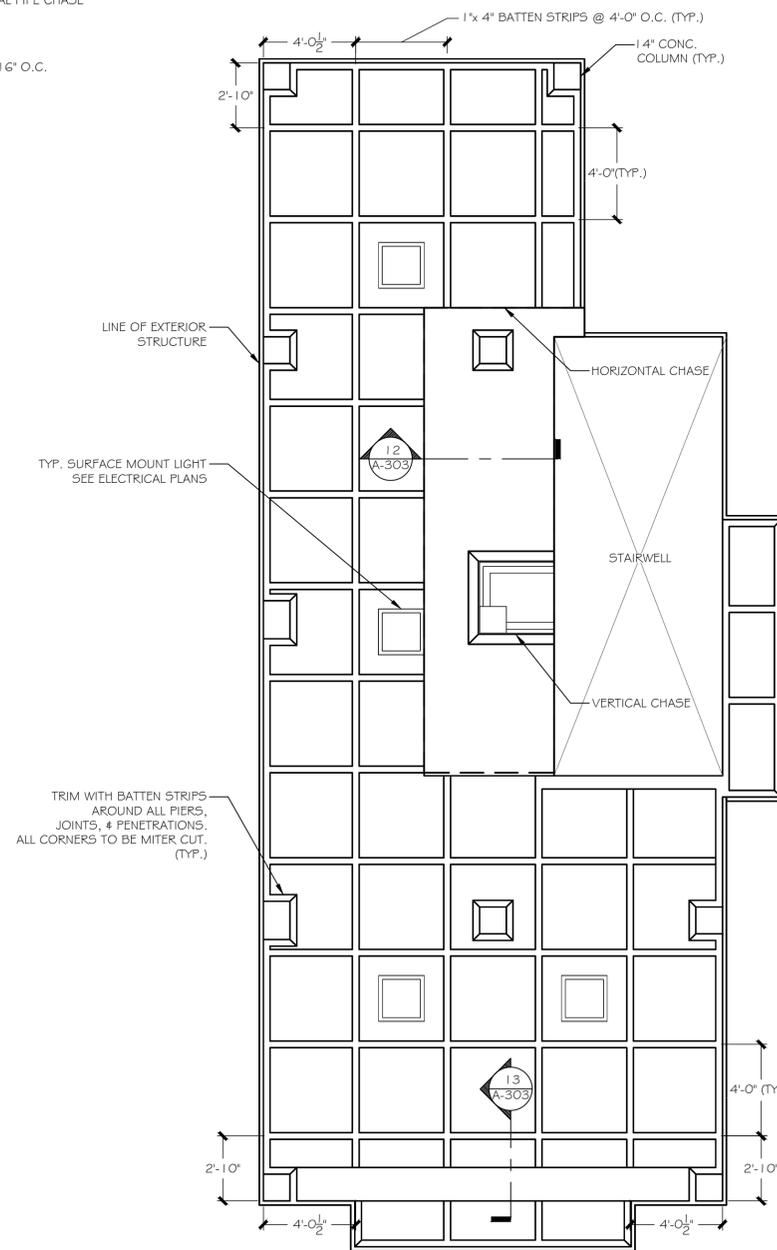
6 DECK CONNECTION DETAIL  
A-303 SCALE: 1-1/2" = 1'-0"



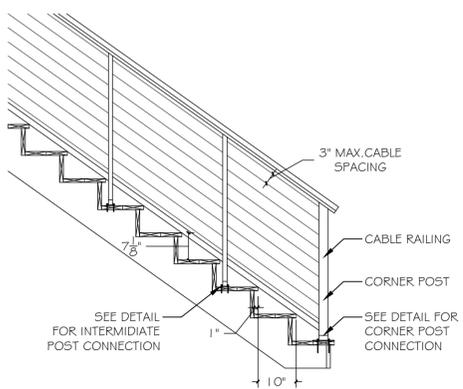
7 CORNER POST DETAIL  
A-303 SCALE: 1-1/2" = 1'-0"



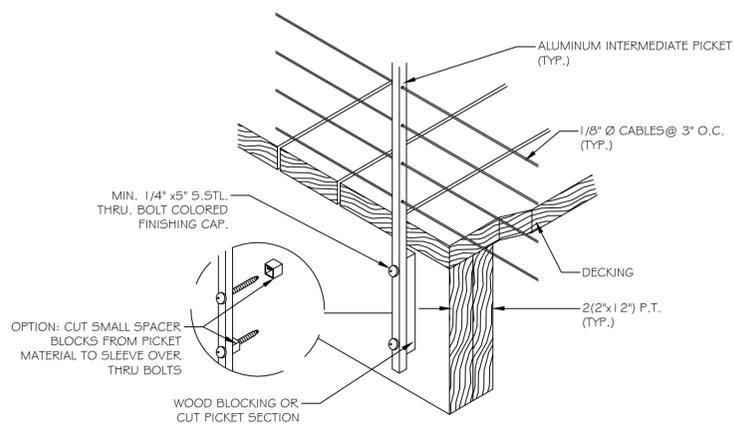
10 WALL SECTION AT VERTICAL CHASE  
A-303 SCALE: 3/4" = 1'-0"



11 REFLECTED CEILING PLAN  
A-303 SCALE: 1/4" = 1'-0"



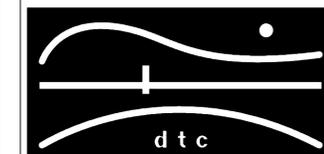
8 DECK STAIR DETAIL  
A-303 SCALE: 1/2" = 1'-0"



9 INTERMEDIATE POST DETAIL  
A-303 SCALE: 1-1/2" = 1'-0"

NOTES:  
ISSUED FOR BIDDING :  
NOT FOR  
CONSTRUCTION

REVISIONS



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

OORR  
APPLICATION NO. 1846  
BURNS RESIDENCE  
3 MARSH RD.  
WESTPORT, CT

REFLECTED CEILING  
PLAN & DETAILS

DTC PROJECT NUMBER: 13-449-026

DTC DRAWING FILE:

SCALE: VARIES

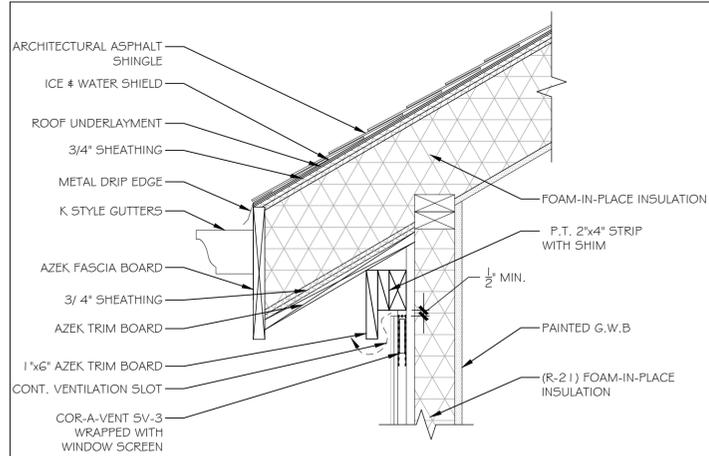
DRAWN BY: R.E.M

DATE: 5/8/2015

CHECKED BY: R.M

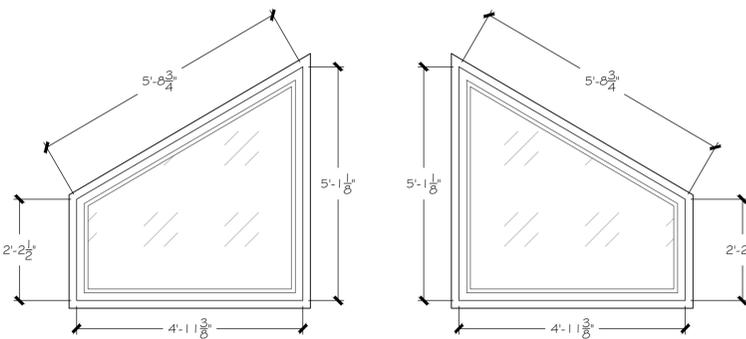
SHEET:

A-303



1 TYP. EAVE & RAINSCREEN HEAD DETAIL  
SCALE: 1-1/2" = 1'-0"

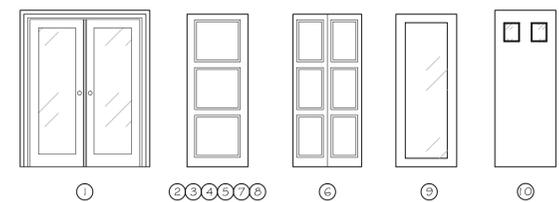
LETTER	WIDTH	HEIGHT	MATERIAL	MANUFACTURER	REMARKS	NOTES	QTY.
A	4'-11-7/8"	5'-1-1/8"	FIBERGLASS/ WOOD	ANDERSEN 400 SERIES	FIXED/ CUSTOM	SEE ELEV. 5/A-601	1
B	4'-11-7/8"	5'-1-1/8"	FIBERGLASS/ WOOD	ANDERSEN 400 SERIES	FIXED/ CUSTOM	SEE ELEV. 5/A-601	1
C	4'-11-7/8"	2'-7-1/2"	FIBERGLASS/ WOOD	ANDERSEN 400 SERIES	AWNING	---	2
D	4'-11-7/8"	2'-11-15/16"	FIBERGLASS/ WOOD	ANDERSEN 400 SERIES	AWNING	---	4
E	2'-7-1/2"	4'-11-7/8"	FIBERGLASS/ WOOD	ANDERSEN 400 SERIES	CASEMENT	---	2
F	2'-4-3/8"	2'-4-3/8"	FIBERGLASS/ WOOD	ANDERSEN 400 SERIES	AWNING	OPAQUE FILM IN LAUNDRY CLOSET	3
G	2'-11-15/16"	4'-0"	FIBERGLASS/ WOOD	ANDERSEN 400 SERIES	AWNING	---	3
H	2'-4-3/8"	4'-0"	FIBERGLASS/ WOOD	ANDERSEN 400 SERIES	CASEMENT	---	4
I	2'-7-1/2"	2'-11-15/16"	FIBERGLASS/ WOOD	ANDERSEN 400 SERIES	AWNING	---	2
J	2'-0-1/8"	4'-11-7/8"	FIBERGLASS/ WOOD	ANDERSEN 400 SERIES	CASEMENT	---	2
K	4'-0"	1'-5"	FIBERGLASS/ WOOD	ANDERSEN 400 SERIES	CASEMENT	---	2



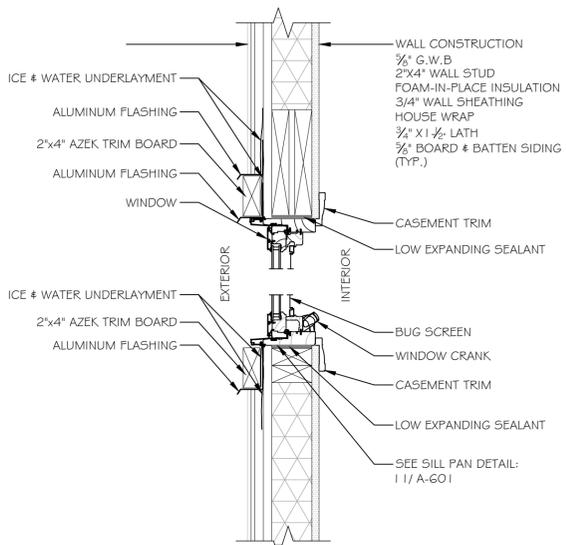
5 FRONT WINDOW ELEVATION  
SCALE: 1/2" = 1'-0"

LETTER	WIDTH	HEIGHT	THICKNESS	MATERIAL	MANUFACTURER	REMARKS	NOTE	FINISH
1	5'-4"	6'-8"	---	FIBERGLASS	ANDERSEN 400 SERIES	FRENCH/ PATIO	---	PTD.
2	2'-8"	6'-8"	1-3/8"	COMPOSITE	JELD WEN	3-PANEL / C. 3000	1	PTD.
3	2'-4"	6'-8"	1-3/8"	COMPOSITE	JELD WEN	3-PANEL / C. 3000	---	PTD.
4	2'-8"	6'-8"	1-3/8"	COMPOSITE	JELD WEN	3-PANEL / C. 3000	---	PTD.
5	(2) 1'-10"	6'-8"	1-3/8"	COMPOSITE	JELD WEN	3-PANEL / C. 3000	2	PTD.
6	(2) 3'-0"	6'-8"	1-3/8"	COMPOSITE	JELD WEN	BI-FOLD	3	PTD.
7	2'-0"	6'-8"	1-3/8"	COMPOSITE	JELD WEN	3-PANEL / C. 3000	4	PTD.
8	(2) 1'-4"	6'-8"	1-3/8"	COMPOSITE	JELD WEN	3-PANEL / C. 3000	4	PTD.
9	2'-8"	6'-8"	---	FIBERGLASS	THERMATRU	FULL LITE	---	PTD.
10	3'-0"	6'-8"	---	FIBERGLASS	THERMATRU	2 LITE	---	PTD.

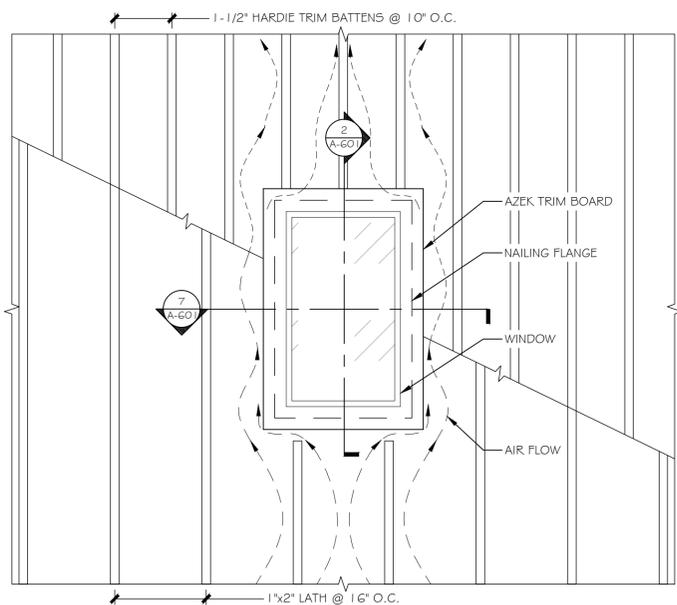
- DOOR NOTES
1. PROVIDE STANLEY-NATIONAL HARDWARE POCKET DOOR HARDWARE KIT.
  2. PROVIDE TWO LEFT HUNG, AND TWO RIGHT HUNG FOR FRENCH DOOR INSTALL.
  3. PROVIDE 2 RIGHT SIDE HUNG BI-FOLD UNITS, & HINGE TO EACH OTHER ON CONTINUOUS TRACK.
  4. PROVIDE ONE LEFT HUNG, AND ONE RIGHT HUNG FOR FRENCH DOOR INSTALL.



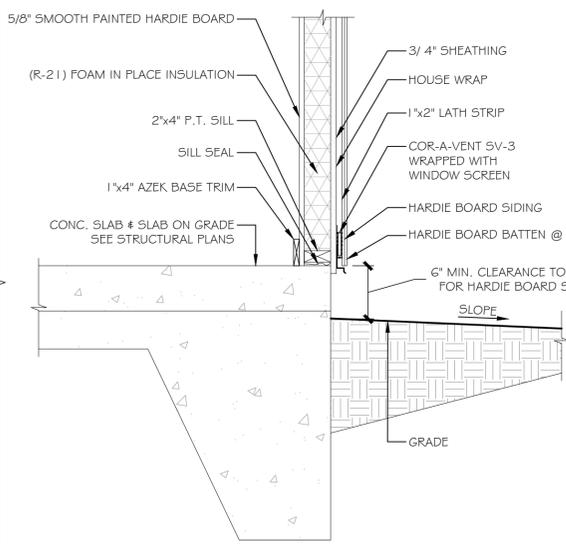
ROOM NAME	FLOOR		BASE		WALLS		CEILING	
	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH
STAIRWELL	CONC.	---	AZEK	PAINT	HARDIE PANEL	PAINT	G.W.B.	PAINT
DINING ROOM	CORTEC PLUS	PLANKING	WOOD	PAINT	G.W.B.	PAINT	G.W.B.	PAINT
KITCHEN	CORTEC PLUS	PLANKING	WOOD	PAINT	G.W.B.	PAINT	M.R.G.W.B.	PAINT
BATHROOMS	TILE	CERAMIC	WOOD	PAINT	G.W.B.	PAINT	M.R.G.W.B.	PAINT
SUNROOM	CORTEC PLUS	PLANKING	WOOD	PAINT	G.W.B.	PAINT	G.W.B.	PAINT
BEDROOM	CORTEC PLUS	PLANKING	WOOD	PAINT	G.W.B.	PAINT	G.W.B.	PAINT
MASTER BED.	CORTEC PLUS	PLANKING	WOOD	PAINT	G.W.B.	PAINT	G.W.B.	PAINT



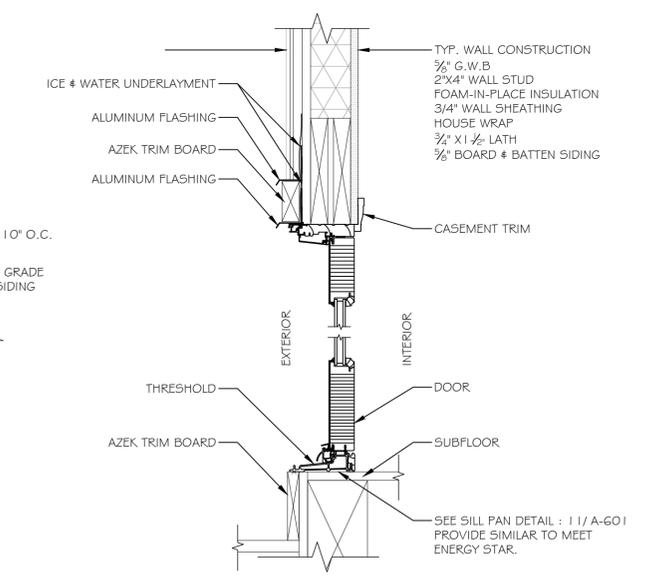
2 WINDOW HEAD & SILL DETAIL  
SCALE: 1-1/2" = 1'-0"



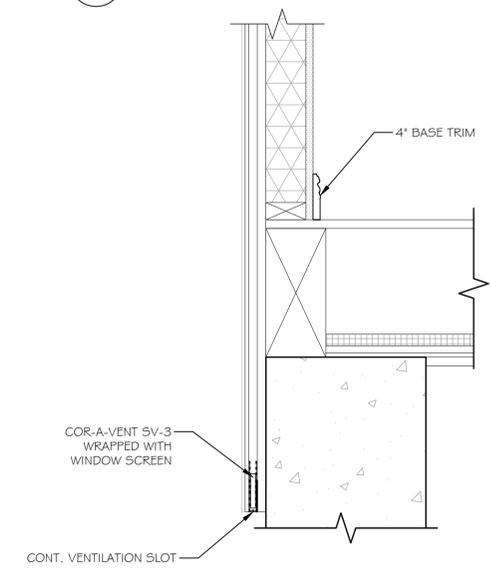
6 RAIN SCREEN VENTILATION DETAIL  
SCALE: 3/4" = 1'-0"



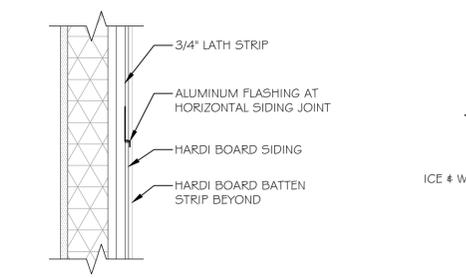
8 STAIR WELL ENCLOSURE DETAIL  
SCALE: 1" = 1'-0"



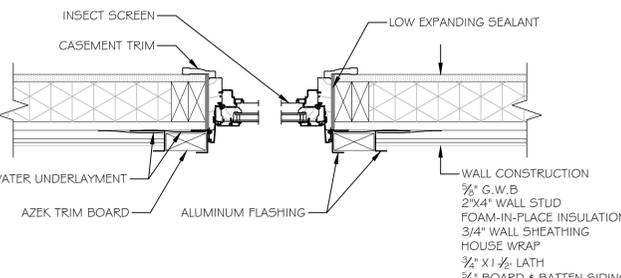
10 DOOR HEAD & SILL DETAIL  
SCALE: 1-1/2" = 1'-0"



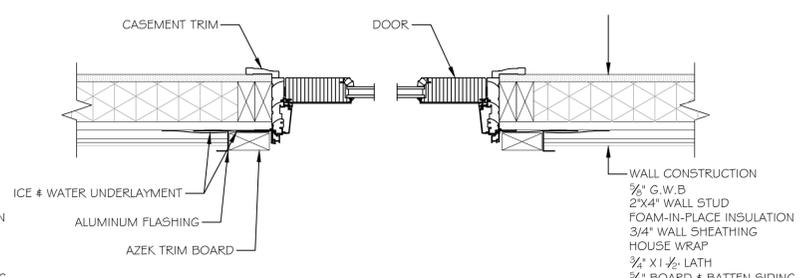
3 RAINSCREEN SILL DETAIL  
SCALE: 1-1/2" = 1'-0"



4 HORIZONTAL FLASHING DETAIL @ PANEL JOINTS  
SCALE: 1-1/2" = 1'-0"



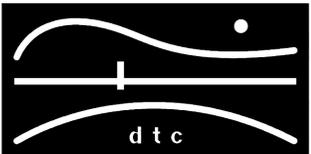
7 WINDOW JAMB DETAIL  
SCALE: 1-1/2" = 1'-0"



9 DOOR JAMB DETAIL  
SCALE: 1-1/2" = 1'-0"

NOTES:  
**ISSUED FOR BIDDING :  
NOT FOR  
CONSTRUCTION**

REVISIONS



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

OORR  
APPLICATION NO. 1846  
BURNS RESIDENCE  
3 MARSH RD.  
WESTPORT, CT

SCHEDULES & DETAILS

DTC PROJECT NUMBER: 13-449-026  
DTC DRAWING FILE:  
SCALE: VARIES  
DATE: 5/8/2015  
DRAWN BY: R.E.M.  
CHECKED BY: R.M.

SHEET:  
**A-601**

## PLUMBING GENERAL NOTES

- THE CONTRACTOR SHALL BECOME THOROUGHLY FAMILIAR WITH THE PROJECT DOCUMENTS OF ALL TRADES. THE DRAWINGS ARE DIAGRAMMATIC AND SHOW THE GENERAL ARRANGEMENT OF EQUIPMENT AND PIPING. THE CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF EQUIPMENT AND PIPING INSTALLATION WITH ALL TRADES BEFORE COMMENCING WORK.
- THIS CONTRACT SHALL INCLUDE ALL THE NECESSARY PIPING, FITTINGS, TRANSITIONS ETC. AS NECESSARY TO INSTALL PLUMBING SYSTEM, AND TO AVOID ANY CONFLICTS WITH OTHER TRADES AND THE BUILDING STRUCTURE.
- IT IS NOT THE INTENT OF THE DRAWINGS TO SHOW INDIVIDUAL BRANCH PIPING TO EACH PLUMBING FIXTURE. ONLY THE BRANCH PIPING TO GROUPS OF FIXTURES IS INDICATED. THE ENTIRE PLUMBING SYSTEM SHALL BE FULLY OPERATIONAL AND READY FOR BENEFICIAL USE BEFORE THE JOB IS CONSIDERED COMPLETE.
- REFER TO LATEST ARCHITECTURAL PLANS FOR ELEVATIONS, SECTIONS, DETAILS, MOUNTING HEIGHTS, LOCATION OF PLUMBING FIXTURES. ALL HANDICAPPED DESIGNATED FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH ANSI AND ADA STANDARDS.
- DO NOT SCALE DRAWINGS. CONTRACTOR SHALL VERIFY ALL DIMENSIONS & CONDITIONS IN THE FIELD AND SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY & ALL DISCREPANCIES.
- IT IS NOT INTENDED THAT THE DRAWINGS SHOW EVERY PIPE, FITTING, RISE/DROP OR DETAIL. SYSTEM & COMPONENTS SHALL BE INSTALLED ACCORDING TO THE INTENT AND MEANING OF CONTRACT DOCUMENTS AND IN ACCORDANCE WITH GOOD PRACTICE.
- CONTRACTOR IS RESPONSIBLE TO PROVIDE COMPLETE AND OPERATIONAL SYSTEMS WITH FACILITIES AND SERVICES TO MEET REQUIREMENTS INDICATED AND IN ACCORDANCE WITH APPLICABLE CODES AND ORDINANCES.
- EQUIPMENT AND COMPONENTS HAVING EQUAL PERFORMANCE CHARACTERISTICS BY OTHER MANUFACTURERS MAY BE CONSIDERED, PROVIDED DEVIATIONS IN DIMENSIONS, OPERATION AND OTHER CHARACTERISTICS DO NOT CHANGE DESIGN CONCEPT OR INTENDED PERFORMANCE AS JUDGED BY THE ENGINEER. BURDEN OF PROOF OF EQUALITY OF PRODUCTS IS ON THE CONTRACTOR.
- CONTRACTOR IS RESPONSIBLE FOR THE SAFEKEEPING OF HIS OWN PROPERTY ON THE JOB SITE. OWNER ASSUMES NO RESPONSIBILITY FOR THE PROTECTION OF PROPERTIES AGAINST FIRE, THEFT AND ENVIRONMENTAL CONDITIONS.
- CONTRACTOR IS RESPONSIBLE FOR PROPERLY PROTECTING OWNER'S PROPERTY AND EQUIPMENT FROM INJURY, AND DAMAGE TO SAME SHALL BE REPLACED BY CONTRACTOR.
- CONTRACTOR IS TO CLEAN JOB SITE DAILY AND REMOVE FROM THE PREMISES ANY DIRT AND DEBRIS CAUSED BY THE PERFORMANCE OF THE WORK INCLUDED IN THIS CONTRACT.
- ALL WORK TO BE PERFORMED IN A CLEAN AND WORKMANLIKE MANNER, CARE SHALL BE EXERCISED TO MINIMIZE ANY INCONVENIENCE OR DISTURBANCE TO OTHER AREAS OF THE BUILDING WHICH ARE TO REMAIN IN OPERATION. ISOLATE CONSTRUCTION AREAS BY MEANS OF TEMPORARY PARTITIONS AND/OR TARPS TO KEEP DUST AND DIRT WITHIN WORK AREA.
- CONTRACTOR IS RESPONSIBLE TO PROPERLY SECURE AREAS OF CONSTRUCTION AT THE END OF EACH WORKING DAY.
- EQUIPMENT AND PIPING TO BE INSTALLED IN ACCORDANCE WITH SEISMIC REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE.
- CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH ALL OTHER TRADES.
- ALL EQUIPMENT SUPPORTS AND PIPE HANGERS TO BE CONNECTED FROM THE BUILDING STRUCTURE.
- PROVIDE ACCESS PANELS/DOORS FOR ALL CONCEALED PLUMBING ITEMS REQUIRING ACCESS, COORDINATE WITH DIVISION 8.
- 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.
- 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. 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
	PIPING DIRECTION OF FLOW
	HT - HEAT TRACED & INSULATED PIPE
	REFRIGERANT PIPE
	PIPING RISER UP
	PIPING RISER DOWN
	CONDENSATE
	TRAP
	BALL VALVE
	CHECK VALVE
	UNION
	CAP ON END OF PIPE
	POINT OF CONNECTION
	POINT OF DISCONNECT
	THERMOSTATIC MIXING VALVE
	PRESSURE REDUCING VALVE
	CONTROL VALVE
	CLEANOUT/WALL CLEANOUT
	BALANCING VALVE

## ABBREVIATIONS

BB	BASEBOARD
CO	CLEANOUT
CTE	CONNECT TO EXISTING
CW	COLD WATER
HW	HOT WATER
HZ	HERTZ
IN	INCH
GPM	GALLONS PER MINUTE
MAX	MAXIMUM
MIN	MINIMUM
N	NEW
PH	PHASE
PRV	PRESSURE REDUCING VALVE
RF	RADIANT FLOOR
RLL	REFRIGERANT LIQUID LINE
RP	RADIANT PANEL
RSL	REFRIGERANT SUCTION LINE
TEMP	TEMPERATURE
TMV	THERMOSTATIC MIXING VALVE
TYP	TYPICAL
W	WASTE
WCO	WALL CLEANOUT

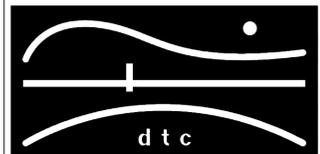
## HVAC GENERAL NOTES

- NOTES BELOW ARE NOT INTENDED TO REPLACE SPECIFICATIONS. SEE SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO GENERAL NOTES.
- CONTRACTOR SHALL VISIT THE SITE AND BECOME INFORMED AS TO THE NATURE AND SCOPE OF WORK REQUIRED BY CONTRACT DOCUMENTS PRIOR TO BIDDING PROJECT.
- PROVIDE ALL REQUIRED MATERIALS, LABOR, EQUIPMENT, AND SERVICES NECESSARY FOR THE INSTALLATION OF THE WORK AS SHOWN ON THESE DRAWINGS OR SPECIFIED BY THE BASE BUILDING DRAWING AND SPECIFICATIONS.
- REFER TO AND CAREFULLY CHECK ARCHITECTURAL, ELECTRICAL, PLUMBING 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.
- 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 DAMAGED 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/OR EQUIPMENT UNDER THIS CONTRACT AT NO COST TO THE OWNER.
- DO NOT SCALE DRAWINGS. CHECK EXISTING SPACE CONDITIONS AT THE JOB SITE.
- CONTRACTOR TO 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.
- THERMOSTAT AND TEMPERATURE SENSOR LOCATIONS TO BE COORDINATED WITH INTERIOR WALL LAYOUT, REFER TO ARCHITECTURAL PLANS.
- CONTRACTOR SHALL SELECT AND PROVIDE EXPANSION JOINTS OR EXPANSION LOOPS AND ANCHORS AS REQUIRED TO PREVENT TEMPERATURE EXPANSION STRESSES OF HYDRONIC PIPES BASED ON ACTUAL INSTALLATION/CONDITIONS.
- ELECTRICAL CHARACTERISTICS FOR MECHANICAL EQUIPMENT: EQUIPMENT OF HIGHER ELECTRICAL CHARACTERISTICS MAY BE FURNISHED PROVIDED SUCH PROPOSED EQUIPMENT IS APPROVED IN WRITING AND CONNECTING ELECTRICAL SERVICES, CIRCUIT BREAKERS, AND CONDUIT SIZES ARE APPROPRIATELY MODIFIED. IF MINIMUM ENERGY RATINGS OR EFFICIENCIES ARE SPECIFIED, EQUIPMENT SHALL COMPLY WITH REQUIREMENTS.
- SHOP DRAWINGS: DETAIL MAJOR ELEMENTS, COMPONENTS, MECHANICAL EQUIPMENT AND MATERIALS IN RELATIONSHIPS WITH OTHER SYSTEMS, INSTALLATIONS, AND BUILDING COMPONENTS. SHOW SPACE REQUIREMENTS FOR INSTALLATION AND ACCESS. INDICATE IF SEQUENCE AND COORDINATION ARE IMPORTANT TO EFFICIENT FLOW OF THE WORK. INCLUDE THE FOLLOWING.
  - PLANNED PIPING LAYOUT, INCLUDING VALVE AND SPECIALTY LOCATIONS AND VALVE-STEM MOVEMENT.
  - CLEARANCES FOR INSTALLING AND MAINTAINING INSULATION.
  - CLEARANCES FOR SERVING AND MAINTAINING EQUIPMENT, ACCESSORIES, AND SPECIALTIES, INCLUDING SPACE FOR DISASSEMBLY REQUIRED BY PERIODIC MAINTENANCE.
  - EQUIPMENT AND ACCESSORY SERVICE CONNECTIONS AND SUPPORT DETAILS.
  - EXTERIOR WALL AND FOUNDATION PENETRATIONS.
  - SIZES AND LOCATION OF REQUIRED CONCRETE PADS AND BASES.
  - FLOOR PLANS, ELEVATIONS, AND DETAILS TO INDICATE PENETRATIONS, FLOORS, WALLS, AND CEILINGS AND THEIR RELATIONSHIP TO OTHER PENETRATIONS AND INSTALLATIONS.
  - SCALE: MINIMUM 1/4"=1'-0" FOR FLOOR PLAN, 3/8"=1'-0" FOR MECHANICAL ROOMS.

NOTES:

ISSUED FOR BIDDING :  
NOT FOR  
CONSTRUCTION

REVISIONS



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

OORR  
APPLICATION NO. 1846  
BURNS RESIDENCE  
3 MARSH RD.  
WESTPORT, CT

MECHANICAL &  
PLUMBING GENERAL  
NOTES

DTC PROJECT NUMBER: 13-449-026

DTC DRAWING FILE:

SCALE: 1/4"=1.0	DRAWN BY: RWF
DATE: 5/8/2015	CHECKED BY: RCN

SHEET:

MP-001

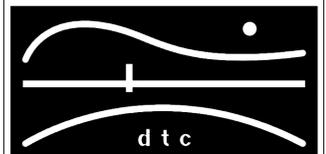
NOTE: SOME SYMBOLS AND ABBREVIATIONS MAY OR MAY NOT APPEAR ON THE DRAWINGS.

NOTES:

ISSUED FOR BIDDING :  
NOT FOR  
CONSTRUCTION

- GENERAL NOTES:
- ① NOT USED THIS SHEET
  - ② NOT USED THIS SHEET
  - ③ NOT USED THIS SHEET
  - ④ NOT USED THIS SHEET
  - ⑤ NOT USED THIS SHEET
  - ⑥ NOT USED THIS SHEET
  - ⑦ NOT USED THIS SHEET
  - ⑧ HB: 3/4" CW
  - ⑨ SH: 3/4" H&CW

REVISIONS



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

OORR  
 APPLICATION NO. 1846  
 BURNS RESIDENCE  
 3 MARSH RD.  
 WESTPORT, CT

PLUMBING GROUND  
 FLOOR PLAN

DTC PROJECT NUMBER: 13-449-026

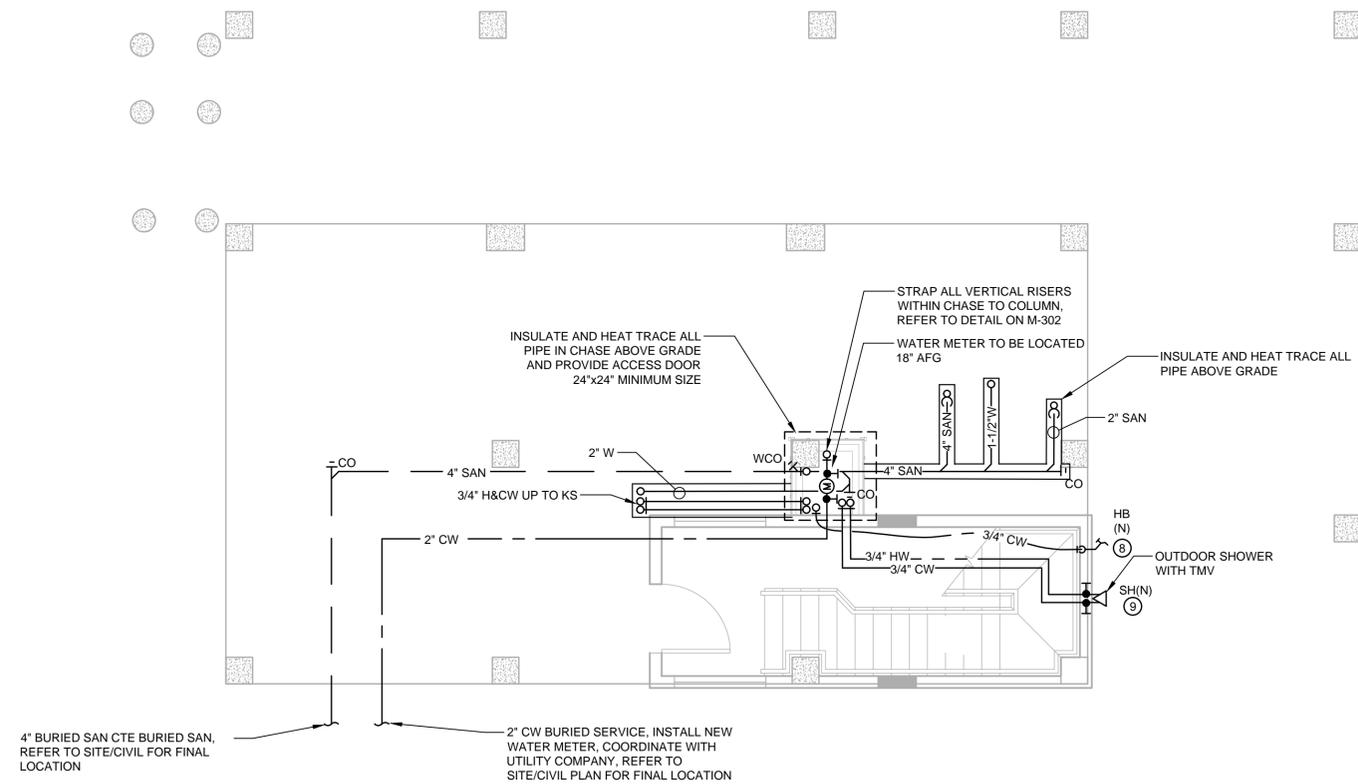
DTC DRAWING FILE:

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

DATE: 5/8/2015	CHECKED BY: RCN
----------------	-----------------

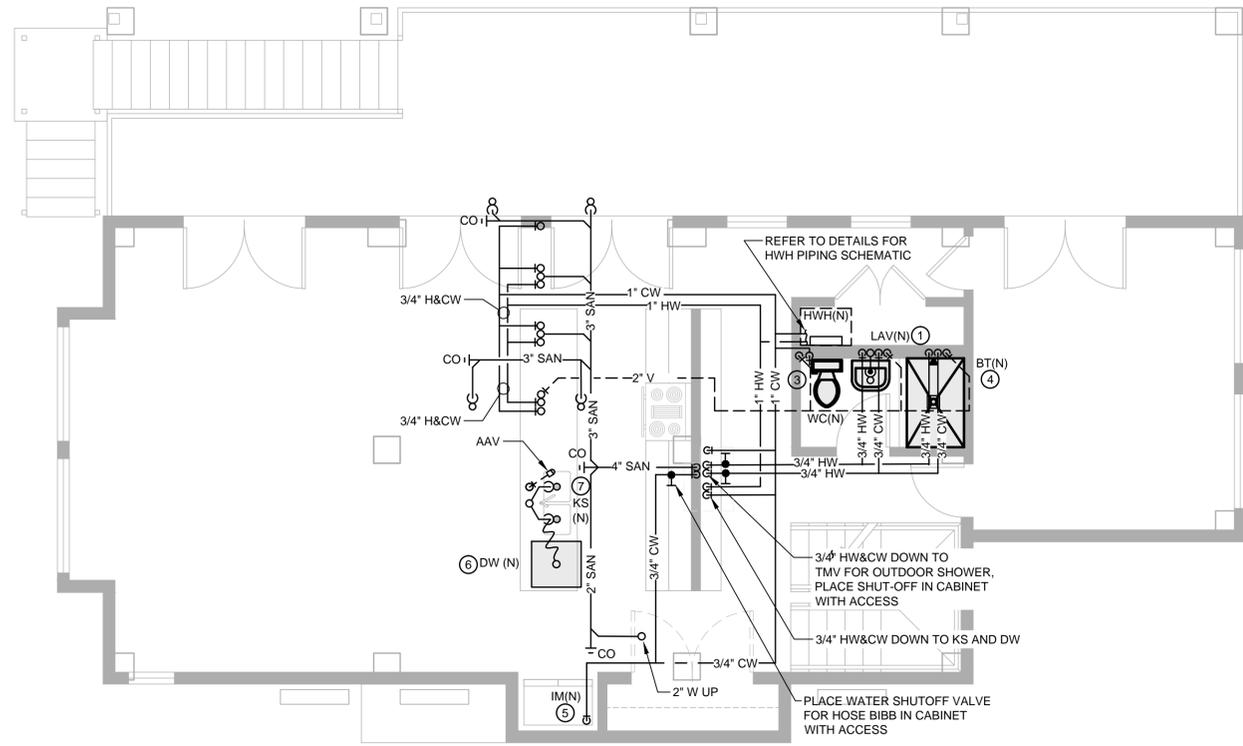
SHEET:

P-100



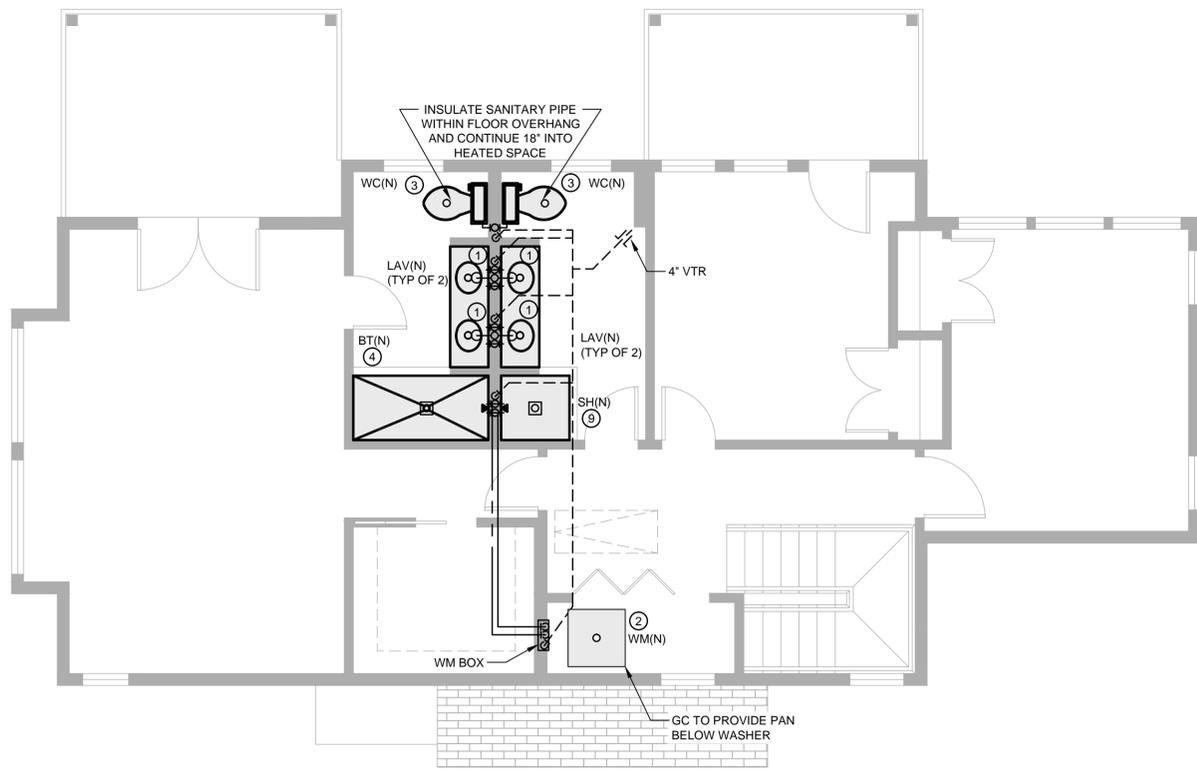
**1** GROUND FLOOR PLAN  
 SCALE: 1/4" = 1'-0"



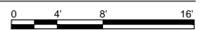


- GENERAL NOTES:
- ① LAV: 3/4" H&CW, 1-1/2" W DN, 1-1/2" V RISE
  - ② WM: 3/4" H&CW, 2" W DN, 1-1/2" V RISE
  - ③ WC: 3/4" CW, 4" SAN DN, 2" V RISE
  - ④ BT: 3/4" H&CW, 2" SAN DN, 1-1/2" V RISE
  - ⑤ IM: 3/4" CW W/ INLINE FILTER & VACUUM BREAKER
  - ⑥ DW: 1/2" CW, 3" W
  - ⑦ KS: 3/4" H&CW DN, 2" W DN, 1-1/2" V RISE
  - ⑧ NOT USED THIS SHEET
  - ⑨ NOT USED THIS SHEET

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

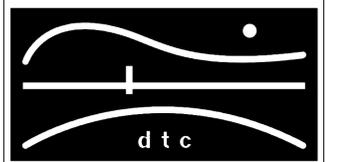


**1** SECOND FLOOR PLAN  
SCALE: 1/4" = 1'-0"



NOTES:  
**ISSUED FOR BIDDING :  
NOT FOR  
CONSTRUCTION**

REVISIONS



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

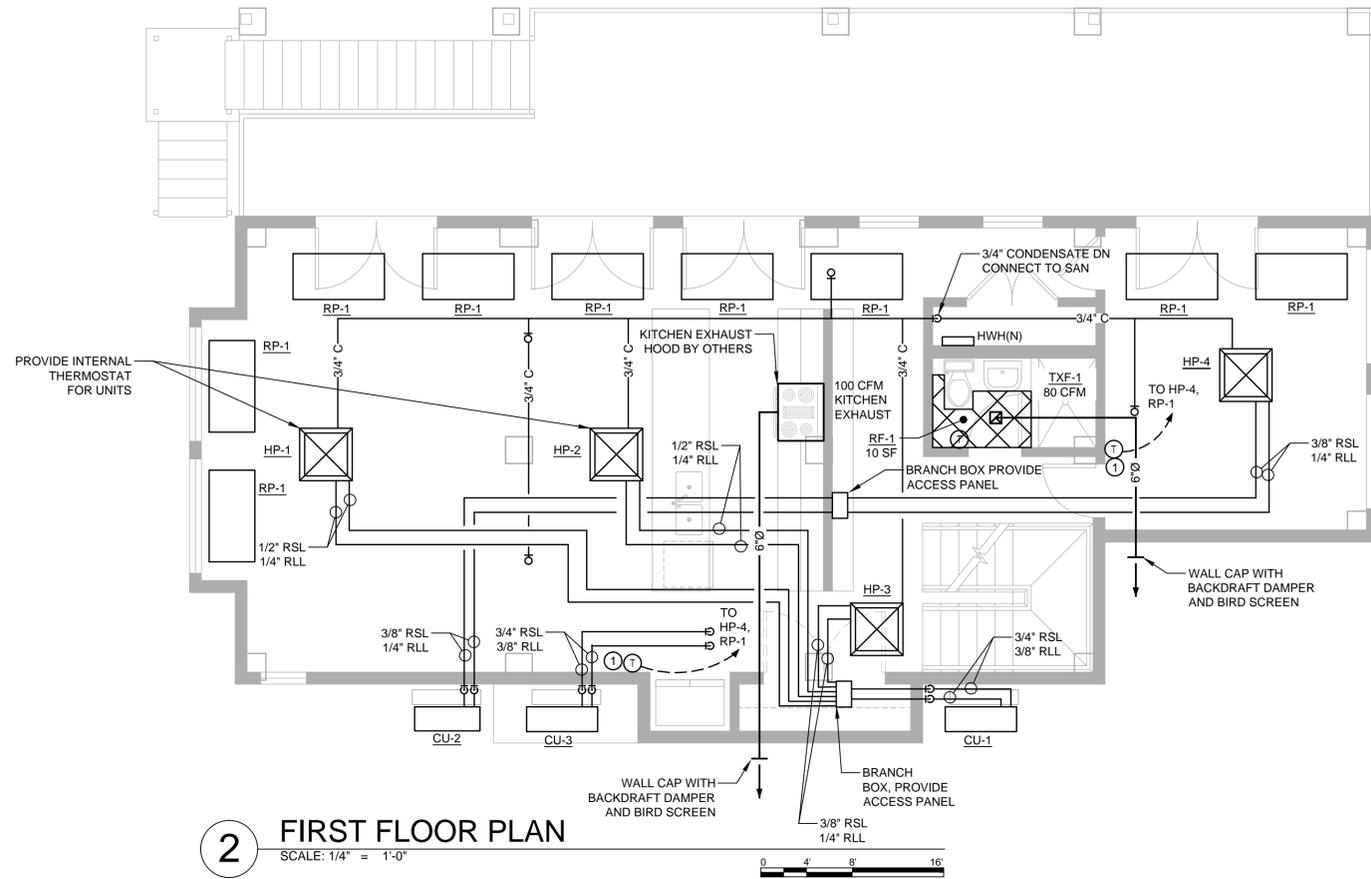
OORR  
APPLICATION NO. 1846  
BURNS RESIDENCE  
3 MARSH RD.  
WESTPORT, CT

**PLUMBING FIRST &  
SECOND FLOOR PLANS**

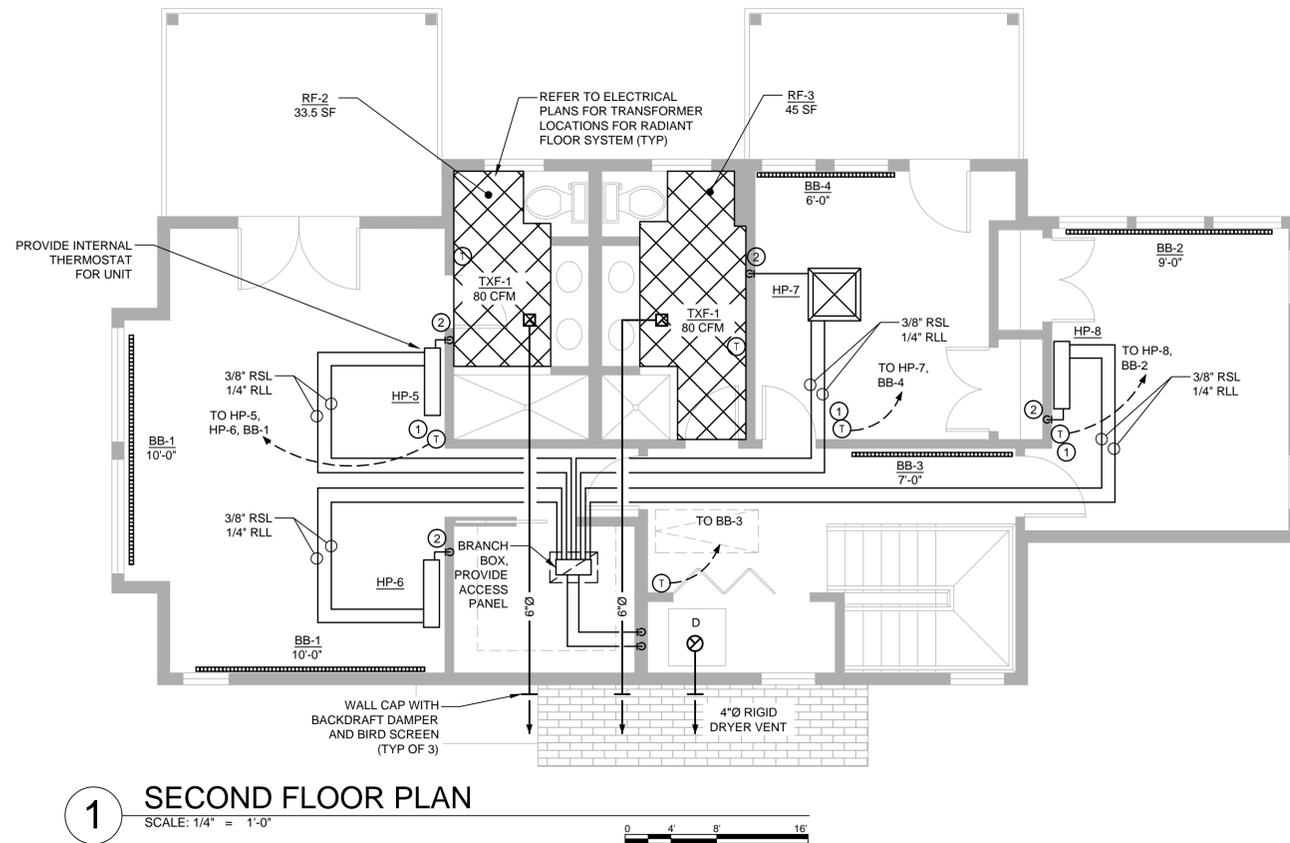
DTC PROJECT NUMBER: 13-449-026  
DTC DRAWING FILE:

SCALE: 1/4"=1.0	DRAWN BY: RWF
DATE: 5/8/2015	CHECKED BY: RCN

SHEET:  
**P-101**



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



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

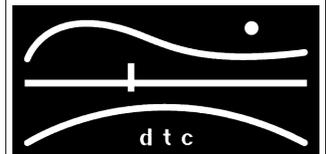
MECHANICAL GENERAL NOTES:

- ① BASEBOARD HEATING AND RADIANT PANELS TO BE CONTROLLED BY ZONE THERMOSTAT AS AUXILIARY SECOND STAGE HEAT TO THE HEAT PUMPS PRIMARY.
- ② 3/4" CONDENSATE DN

NOTES:

ISSUED FOR BIDDING :  
NOT FOR  
CONSTRUCTION

REVISIONS



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

OORR  
APPLICATION NO. 1846  
BURNS RESIDENCE  
3 MARSH RD.  
WESTPORT, CT

MECHANICAL FLOOR  
PLANS

DTC PROJECT NUMBER: 13-449-026

DTC DRAWING FILE:

SCALE: 1/4"=1.0	DRAWN BY: RWF
DATE: 5/8/2015	CHECKED BY: RCN

SHEET:

**M-100**

## DOMESTIC HOT WATER HEATER SCHEDULE

MARK	MANUFACTURER	MODEL	FLOW RATE (GPM)	WATER TEMP. RISE (°F)	OPERATING PRESSURE MIN/MAX (PSI)	WEIGHT	KW	ELECTRIC		REMARKS
								VOLTAGE/PH/HZ	AMPS	
HWH	STIEBEL ELTRON	TEMPRA 36 PLUS	4.5	55	30/50	19 LBS	36	240/1/60	3x50	

NOTES: 1. DISCONNECTS AND STARTERS BY DIVISION 26.

## FAN SCHEDULE

MARK	QTY	MANUFACTURER	MODEL	CFM	SP	WATTS	REMARKS
TXF-1	3	BROAN	XB-80L	80	0.1" w.c.	6.0	INTERLOCK WITH BATHROOM LIGHT SWITCH

NOTES: CONSTANT 20 CFM SWITCH TO 100 CFM MAX.

## HEAT PUMP UNIT SCHEDULE

UNIT	MANUFACTURER	MODEL	ASSOCIATED UNIT	NOMINAL COOLING CAP. BTU/H	NOMINAL HEATING CAP. BTU/H	AIR FLOW H/M/L (CFM)	REFRIGERANT PIPING SIZE RSL,RLL (IN)	ELECTRICAL		AREA BEING SERVED	DIMENSIONS (IN) HXWXD	REMARKS
								VOLT/PH/HZ	AMPS			
HP-1	LG	LMCN185HV	CU-1	18000	20800	459/424/388	1/2, 1/4	208/60/1	0.25	LIVING ROOM/KITCHEN	10-3/32x22-7/16x22-7/16	
HP-2	LG	LMCN185HV	CU-1	18000	20800	459/424/388	1/2, 1/4	208/60/1	0.25	LIVING ROOM/KITCHEN	10-3/32x22-7/16x22-7/16	
HP-3	LG	LMCN097HV	CU-1	9000	10400	300/265/230	3/8, 1/4	208/60/1	0.25	LIVING ROOM/KITCHEN	8-7/16x22-7/16x22-7/16	
HP-4	LG	LMCN125HV	CU-2	12000	13800	335/283/247	3/8, 1/4	208/60/1	0.25	SUNROOM	8-7/16x22-7/16x22-7/16	
HP-5	LG	LSN120HSV4	CU-3	12000	13800	335/318/300	3/8, 1/4	208/60/1	0.20	MASTER BEDROOM	11-1/4x8-1/4x34-7/8	
HP-6	LG	LSN120HSV4	CU-3	12000	13800	335/318/300	3/8, 1/4	208/60/1	0.20	MASTER BEDROOM	11-1/4x8-1/4x34-7/8	
HP-7	LG	LMCN125HV	CU-3	12000	13800	335/283/247	3/8, 1/4	208/60/1	0.25	SIDE BEDROOM	8-7/16x22-7/16x22-7/16	
HP-8	LG	LSN120HSV4	CU-3	12000	13800	335/318/300	3/8, 1/4	208/60/1	0.20	BACK BEDROOM	11-1/4x8-1/4x34-7/8	

NOTES:  
1. DO NOT EXCEED REFRIGERANT PIPING LENGTH AS SPECIFIED BY THE MANUFACTURER.  
2. PROVIDE INTEGRAL LIFT PUMP.

## CONDENSING UNIT SCHEDULE

UNIT	MANUFACTURER	MODEL	ASSOCIATED UNIT	COOLING CAPACITY (BTU/H)	HEATING CAPACITY (BTU/H)	TONS	REFRIG. TYPE	OUTDOOR AMBIENT	ELECTRICAL		MAX TOTAL LENGTH (FT)	WEIGHT (LBS)	DIMENSIONS HXWXD (IN)	LOCATION	REMARKS
									VOLTAGE/PH/HZ	MIN CA					
CU-1	LG	LMU540HV	HP-1, HP-2, HP-3	52500	58000	4.5	R410A	95	208/60/1	29.4	475	214	24-3/32x15-3/4x54-11/32	DECK	INCLUDE MOUNTING BRACKETS & LOW AMBIENT KIT
CU-2	LG	LMU18CHV	HP-4	15600	17000	1.5	R410A	95	208/60/1	13.3	164	100	25-25/32x34-1/4x12-19/32	DECK	INCLUDE MOUNTING BRACKETS & LOW AMBIENT KIT
CU-3	LG	LMU540HV	HP-5, HP-6, HP-7, HP-8	52500	58000	4.5	R410A	95	208/60/1	29.4	475	214	24-3/32x15-3/4x54-11/32	DECK	INCLUDE MOUNTING BRACKETS & LOW AMBIENT KIT

NOTES: 1. INSTALL REFRIGERANT PIPING IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

## ELECTRIC RADIANT FLOOR SCHEDULE

UNIT	MANUFACTURER	MODEL	WATTS	CABLE LENGTH (FT)	VOLT/HZ/PH	AMPS	REMARKS
RF-1	HEATIZON	FLZ1520	228	50	120/60/1	15	INCLUDE 120V TRANSFORMER
RF-2	HEATIZON	FLZ3650	528	160	120/60/1	15	INCLUDE 120V TRANSFORMER
RF-3	HEATIZON	FLZ3650	528	160	120/60/1	15	INCLUDE 120V TRANSFORMER

## ELECTRIC RADIANT BASEBOARD SCHEDULE

UNIT	QTY	MANUFACTURER	MODEL	LENGTH (FT)	OUTPUT (BTUH)	VOLTS	WEIGHT (LB/FT)	DIMENSIONS (IN) (HxD)	REMARKS
BB-1	2	RUNTAL	EB3-120D	10	5000	120	10	10-1/8x4-1/4	INCLUDE MOUNTING BRACKET & CLIPS
BB-2	1	RUNTAL	EB3-120D	9	4500	120	10	10-1/8x4-1/4	INCLUDE MOUNTING BRACKET & CLIPS
BB-3	1	RUNTAL	EB3-120D	7	3500	120	10	10-1/8x4-1/4	INCLUDE MOUNTING BRACKET & CLIPS
BB-4	1	RUNTAL	EB3-120D	6	3000	120	10	10-1/8x4-1/4	INCLUDE MOUNTING BRACKET & CLIPS

## ELECTRIC RADIANT CEILING PANEL SCHEDULE

UNIT	QTY	MANUFACTURER	MODEL	VOLTS	WATTS	AMPS	WEIGHT (LBS)	DIMENSIONS (IN) (LxW)	REMARKS
RP-1	9	QMARK	CP751	120	750	6.3	28	24x48	INCLUDE MOUNTING BRACKET

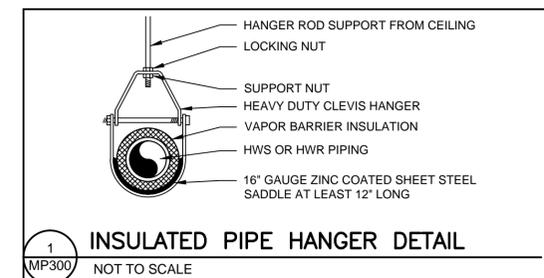
NOTES: 1. REFER TO MANUFACTURER'S DETAIL FOR MOUNTING FRAME TO CEILING.

## PLUMBING FIXTURE/EQUIPMENT SCHEDULE

SYMBOL	MARK	MFR	MODEL	DESCRIPTION
	BT	KOHLER	STERLING ACCORD	ONE-PIECE RECESS BATH W/ INTEGRAL APRON, W/END DRAIN OUTLET. NOMINAL DIMENSIONS: 30" X 70" OR 30" X 46". 2" CAST BRASS DRAIN WITH CHROME PLATED STRAINER; 1.5 GPM TEMPTROL 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.
	FIXTURE	SYMMONS	TEMPROL	
	HB	WOODFORD	26 METAL HANDLE	CAST BRASS, CHROME FINISH, LOOSE KEY, ANTI-SIPHON ASSE RATED VACUUM BREAKER, TRIMLINE WALL HYDRANT w/1/2" INLET.
	TMV	LAWLER	SERIES 66	THERMOSTATIC MIXING VALVE- WATER HEATERS, 1" INLETS, 1-1/4" OUTLET.
	WC (2ND)	KOHLER	K3658-RA-0 HIGHLINE COMFORT HEIGHT	SECOND FLOOR WATER CLOSETS, VITREOUS CHINA, FLOOR SET, TANK TYPE WATER CLOSET. ELONGATED BOWL, 1.28 GPF.
	WC(1ST)	KOHLER	SAN SOUCI	FIRST FLOOR WATER CLOSETS, VITREOUS CHINA, FLOOR SET, INCLUDE TANK AND CARRIER. 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 CH1B2237 S-20-2-FR LEVER HANDLE 1.5 GPM FLOW	SOLID SURFACE MOLDED VANITY TOP, W/OVERFLOW, INTEGRAL BOWL & BACKSPASH; 4"CENTERS, 1-1/4" P-TRAP SET, SUPPLIES AND STOPS; SIZE INDICATED ON DRAWINGS, COLOR PER ARCHITECT. 4"CENTERSET CHROME FAUCET WITH STANDARD LEVER HANDLE, POP-UP DRAIN 1.5 GPM FLOW RESTRICTOR, VANDAL RESISTANT.
	KS FAUCET	ELKAY	KJW5023322 S-23-2-SM LEVER HANDLE 1.0 GPM FLOW	KITCHEN SINK; 18 GAUGE, TYPE 316 STAINLESS STEEL, 22"x33" LONG X 6" 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, INSINK AERATOR GD MAGNETIC COVER START, 2-STAGE MULTIGRID, SOUND SEAL; 3/4HP, 120V/1PH, POWER CORD w/3 PRONG PLUG.
	WSH	SYMMONS	W-602-X	LAUDRY-MATE AUTOMATIC WASHING MACHINE VALVE WITH SUPPLY & DRAIN FIXTURE, 1/2" SWEAT UNION ELL CONNECTIONS & 2" DRAIN CONNECTIONS. FURNISH & INSTALL DRAIN PANS UNDER WASHER.
	WM	GE	GTWN4250DWS	3.9 CU. FT HIGH EFFICIENCY TOP LOAD WASHER, ENERGY STAR CERTIFIED, 27" WIDE, 42" HEIGHT, 120 V, 10 A, STAINLESS STEEL WASHER TUB, 150 LBS, WHITE.
	SH FIXTURE	KOHLER SYMMONS	X TEMPTROL	ONE-PIECE SHOWER BASE W/ DRAIN OUTLET. NOMINAL DIMENSIONS: 42"x42". 2" CAST BRASS DRAIN WITH CHROME PLATED STRAINER; 1.5 GPM TEMPTROL 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.
	PRV	WATTS	LF25AUB-Z3	PRESSURE REDUCING VALVE WITH EPDM DIAPHRAGM, BRONZE BODY AND INTEGRAL STAINLESS STEEL STRAINER.

## FIXTURE CONNECTION SCHEDULE

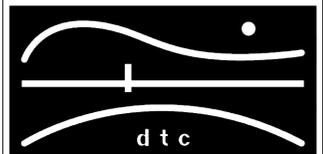
MARK	DESCRIPTION	MINIMUM PIPE SIZES (INCHES)			
		CW	HW	W	V
WC	WATER CLOSET	3/8	-	3	2
LAV	LAVATORY	3/8	1/2	1-1/2	1-1/2
KS	KITCHEN SINK	1/2	1/2	1-1/2	1-1/2
BT	BATH TUB WITH SHOWER	1/2	1/2	1-1/2	1-1/2
HB	HOSE BIBB	1/2	-	-	-
WM	WASHING MACHINE	1/2	1/2	2	1-1/2
DWH	DOMESTIC WATER HEATER	3/4	3/4	-	2"



NOTES:

**ISSUED FOR BIDDING :  
NOT FOR  
CONSTRUCTION**

REVISIONS



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

**OORR  
APPLICATION NO. 1846  
BURNS RESIDENCE  
3 MARSH RD.  
WESTPORT, CT**

**MECHANICAL  
SCHEDULES**

DTC PROJECT NUMBER: 13-449-026

DTC DRAWING FILE:

SCALE: 1/4=1.0

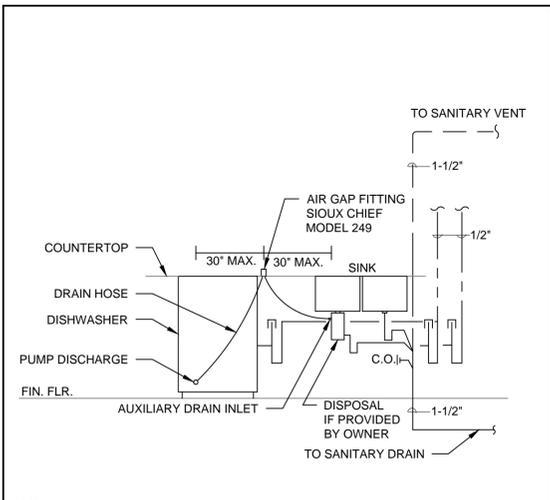
DRAWN BY: RWF

DATE: 5/8/2015

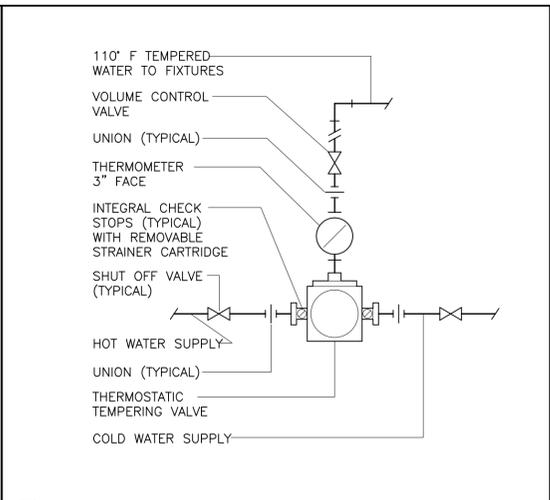
CHECKED BY: RCN

SHEET:

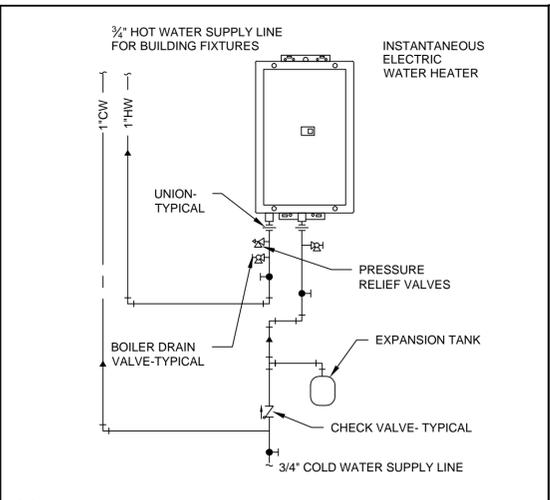
# MP-300



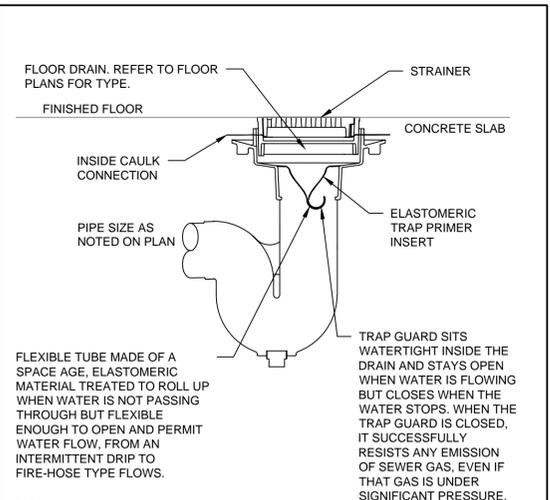
**1** DISHWASHER-DISPOSER-SINK DETAIL  
M-301 NOT TO SCALE



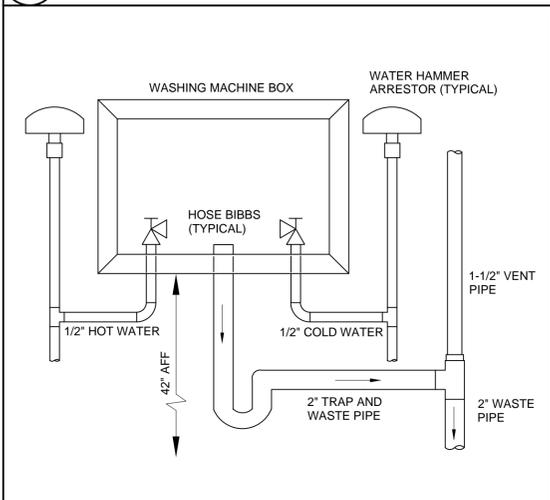
**2** TEMPERING VALVE ASSEMBLY DETAIL  
MP301 NOT TO SCALE



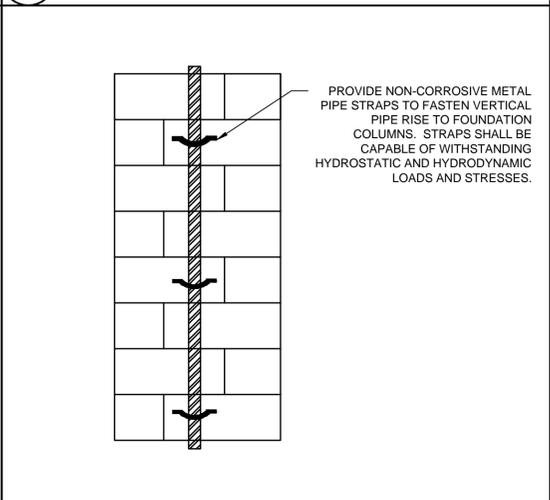
**3** TANKLESS WATER HEATER PIPING DETAIL  
MP301 NOT TO SCALE



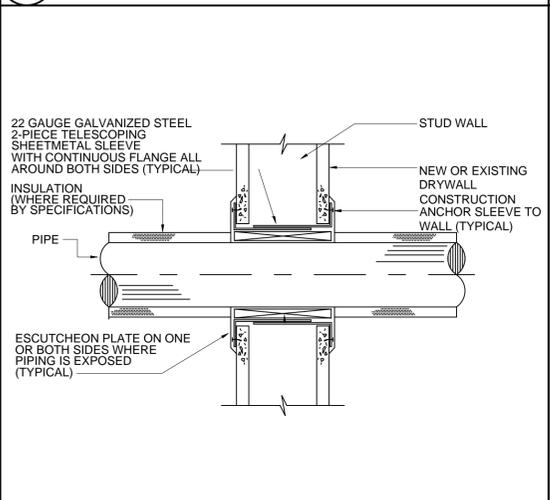
**4** TRAP SAVER DETAIL  
MP301 NOT TO SCALE



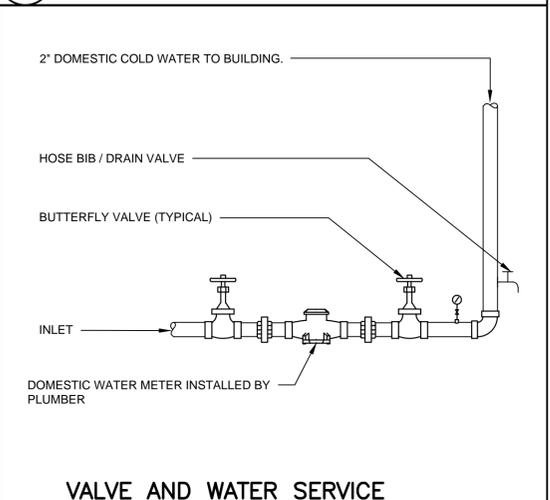
**5** WASHING MACHINE BOX DETAIL  
MP301 NOT TO SCALE



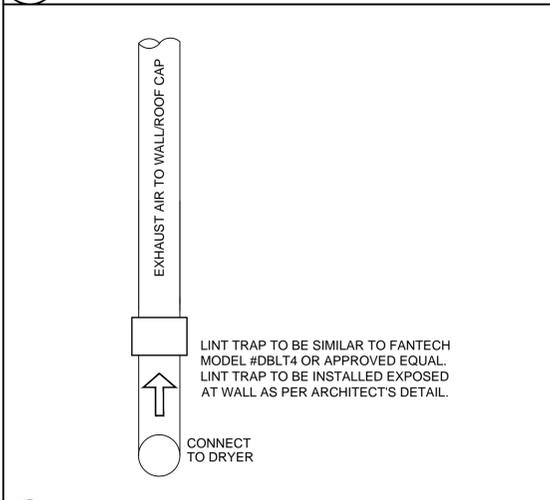
**6** FLOOD RESISTANT STRAPPING DETAIL  
MP301 NOT TO SCALE



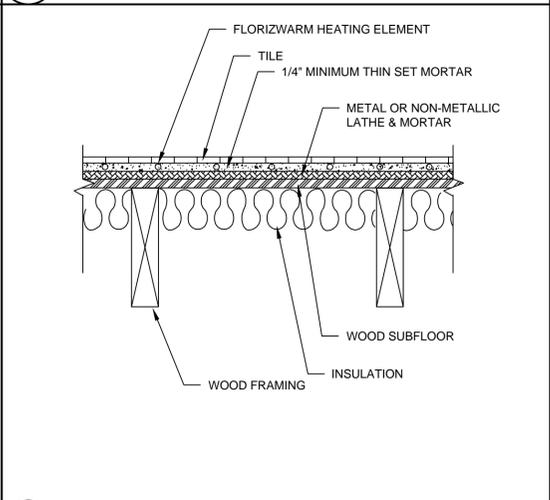
**7** WALL/FLOOR PENETRATION DETAIL  
MP301 NOT TO SCALE



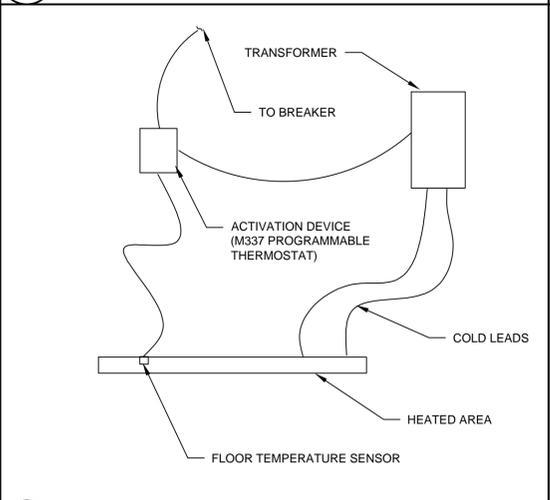
**8** VALVE AND WATER SERVICE ENTRANCE DETAIL  
MP301 NOT TO SCALE



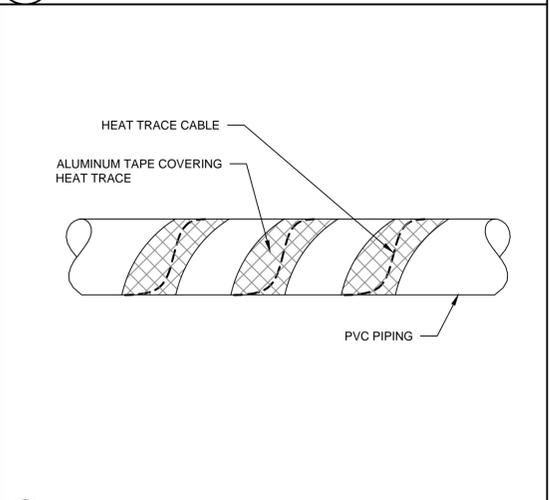
**9** CLOTHES DRYER LINT TRAP DETAIL  
MP301 NOT TO SCALE



**10** RADIANT FLOOR INSTALLATION DETAIL  
MP301 NOT TO SCALE



**11** RADIANT FLOOR CONTROL DETAIL  
MP301 NOT TO SCALE

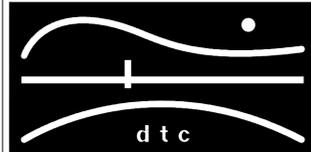


**12** PVC PIPE HEAT TRACE DETAIL  
MP301 NOT TO SCALE

NOTES:

**ISSUED FOR BIDDING :  
NOT FOR  
CONSTRUCTION**

REVISIONS



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

**OORR  
APPLICATION NO. 1846  
BURNS RESIDENCE  
3 MARSH RD.  
WESTPORT, CT**

**MECHANICAL &  
PLUMBING DETAILS**

DTC PROJECT NUMBER: 13-449-026  
DTC DRAWING FILE:  
SCALE: 1/4"=1'-0" DRAWN BY: RWF  
DATE: 5/8/2015 CHECKED BY: RCN

SHEET:  
**MP-301**

### ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	SURFACE MOUNTED PANELBOARD
	BRANCH CIRCUIT POWER WIRING
	BRANCH CIRCUIT HOME RUN
	SWITCHED WIRING
	RECEPTACLE OUTLET FOR DRYER
	RECEPTACLE OUTLET FOR RANGE
	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 REFRIGERATOR
	DUPLEX RECEPTACLE OUTLET FOR WASHING MACHINE
	WALL MOUNTED JUNCTION BOX
	JUNCTION BOX FOR POWER TO DISHWASHER
	JUNCTION BOX FOR POWER TO KITCHEN EXHAUST FAN
	RADIANT FLOOR TRANSFORMER
	MOTOR, SEE SCHEDULE ON DWG E-101
	SURFACE MOUNTED LIGHTING FIXTURE
	WALL MOUNTED LIGHTING FIXTURE
	RECESSED DOWNLIGHT
	SINGLE POLE SWITCH
	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

### ELECTRICAL ABBREVIATIONS

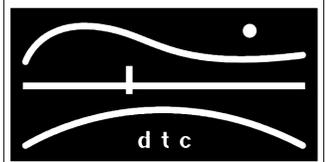
ABBREVIATIONS	DESCRIPTION
A	AMPERES
AC	ALTERNATING CURRENT (60 HZ)
A/C	AIR CONDITIONING
AHJ	AUTHORITY HAVING JURISDICTION
AFF	ABOVE FINISHED FLOOR
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CATV	CABLE TV
CFL	COMPACT FLUORESCENT
CU	COPPER
DR	DRYER
DW	DISHWASHER
DWG	DRAWING
FLA	FULL LOAD AMPS
GFI	GROUND-FAULT CIRCUIT-INTERRUPTER
HP	HORSEPOWER
J	JUNCTION
KV	KILOVOLT AMPERE
KVA	KILOVOLT AMPERE
M	METER
MC	METAL CLAD
MCA	MINIMUM CIRCUIT AMPACITY
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
REF	REFRIGERATOR
RG	RANGE
TYP	TYPICAL
UL	UNDERWRITER'S LABORATORY
U.O.N.	UNLESS OTHERWISE NOTED
V	VOLTS
VA	VOLT-AMPERES
W	WATTS
WM	WASHING MACHINE
WP	WEATHERPROOF
#	NUMBER
'	FEET
"	INCHES

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

NOTES:

**ISSUED FOR BIDDING :  
NOT FOR  
CONSTRUCTION**

REVISIONS



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

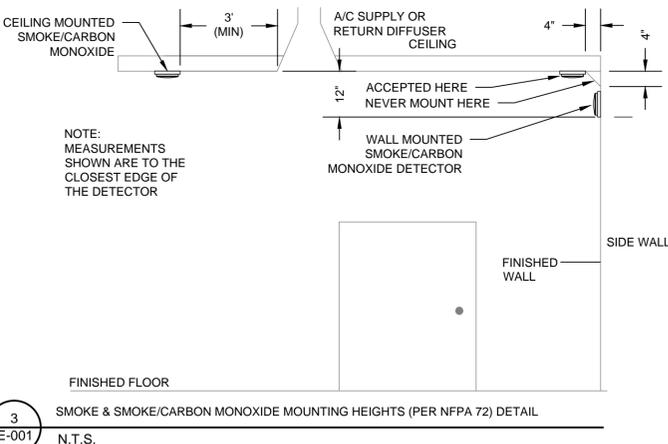
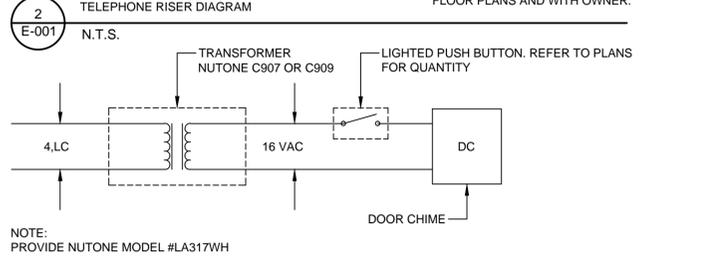
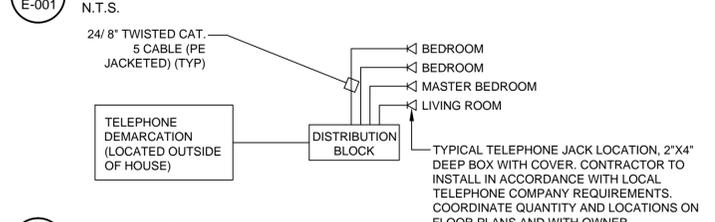
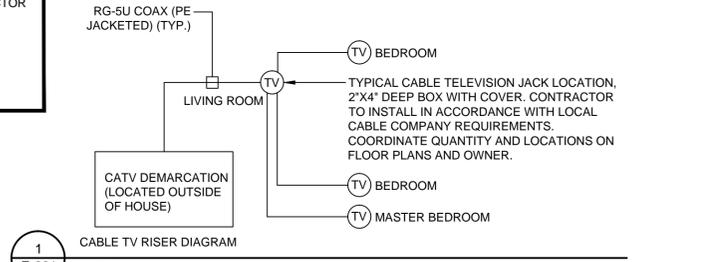
### DRAWING LIST

SHEET	NAME
E-001	ELECTRICAL NOTES, LEGENDS, ABBREVIATIONS, DETAILS & SCHEDULES
E-100	ELECTRICAL GROUND LEVEL & FIRST FLOOR PLANS
E-101	ELECTRICAL SECOND FLOOR PLAN

### LIGHT FIXTURE SCHEDULE

TYPE	BASE OF DESIGN	DESCRIPTION	VOLTAGE	LAMPS	REMARKS
A	LITHONIA LIGHTING 2ACLX2-20L-EZB-LP830	2X2 SURFACE MOUNTED, OUTDOOR, DAMP LOCATION LISTED FIXTURE WITH 2000 LUMENS OUTPUT, 0-10V DIMMING AND 3000K COLOR TEMPERATURE.	120V	18W LED	1,2,3,4
B	SEA GULL LIGHTING 83055-12	DECORATIVE, WALL MOUNTED, OUTDOOR, WEATHER RESISTANT FIXTURE WITH FROSTED LENS.	120V	60W A-19	1,2,3,4
C	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
D	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
F	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

- 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"
2#4&1#10G.	60A	2#4&1#10G.	60A	1-1/4"
SUBPANEL FEED		3#1&1#8G.	100A	1-1/2"
SERVICE		3#350CMIL&1#4G.	300A	3"

- 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.

**OOR  
APPLICATION NO. 1846  
BURNS RESIDENCE  
3 MARSH RD.  
WESTPORT, CT**

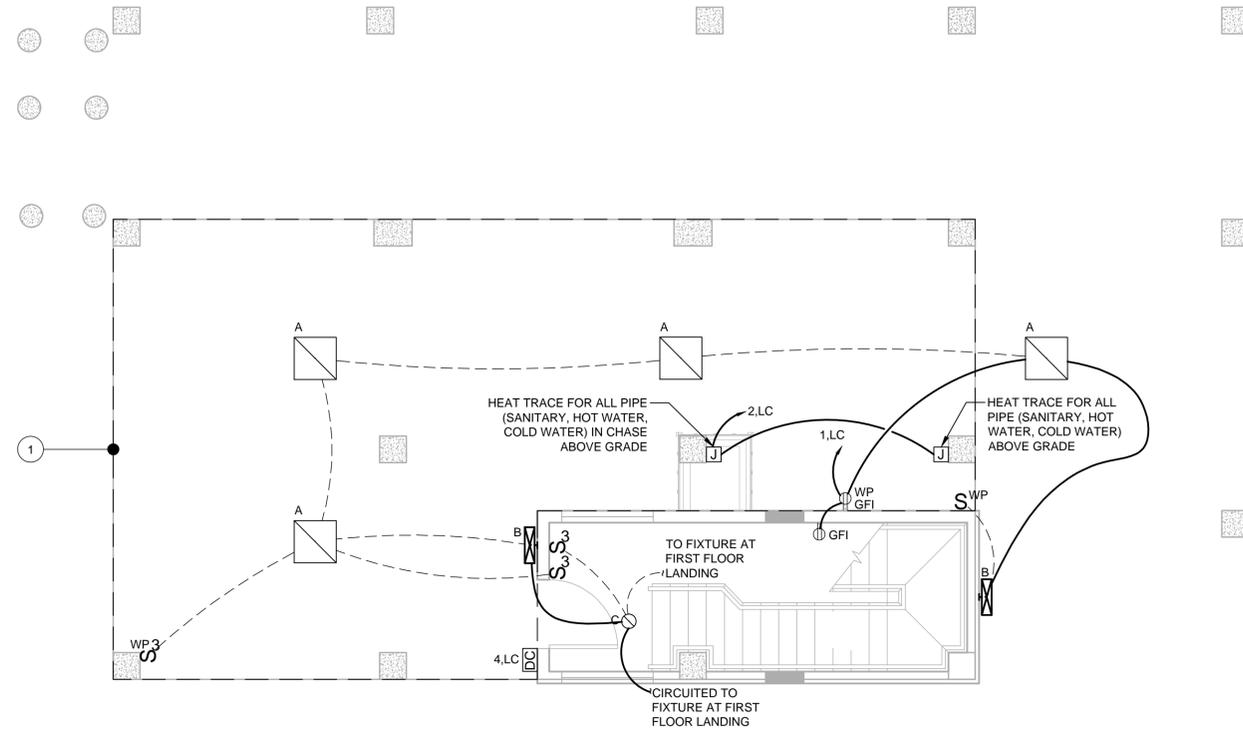
**ELECTRICAL NOTES,  
LEGENDS, ABBREVIATIONS,  
DETAILS & SCHEDULE**

DTC PROJECT NUMBER: 13-449-026  
DTC DRAWING FILE:

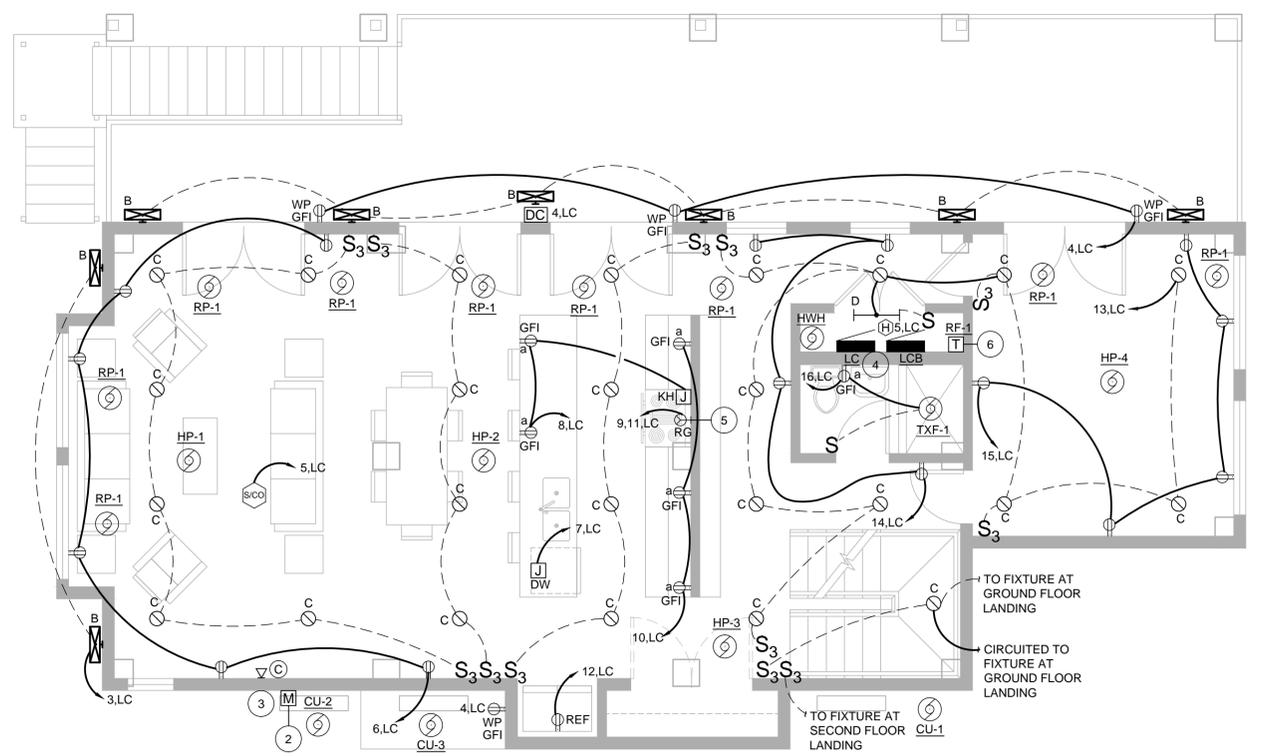
SCALE: NONE      DRAWN BY: WM  
DATE: 5/8/2015      CHECKED BY: JP

SHEET:

# E-001



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



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

### GENERAL NOTES

- ALL CIRCUITS ON THIS DRAWING SHALL BE SIZED 2#12, #12G AND SHALL BE CONNECTED TO NEW 20A-1P CIRCUIT BREAKER IN SOURCE PANEL, U.O.N.
- ALL 120VAC BRANCH CIRCUITS EXCEEDING 100' IN LENGTH SHALL BE INCREASED TO 2#10, #10G UNLESS OTHERWISE NOTED.
- REFER TO DWG E-001 FOR SYMBOL LEGEND, ABBREVIATIONS, AND LIGHTING FIXTURE SCHEDULE.
- ALL BRANCH CIRCUIT USED INDOORS SHALL BE WIRED WITH NM CABLE U.O.N. REFER TO FEEDER SCHEDULE ON DRAWING E-001 FOR SIZING.
- ALL EQUIPMENT AND DEVICES LOCATED OUTDOORS SHALL BE CIRCUITED WITH CONDUIT AND WIRING. REFER TO FEEDER SCHEDULE ON DWG E-001 FOR SIZING.
- ALL 125 -VOLT 15 AND 20 AMP RECEPTACLES LOCATED AT 5 1/2' AFF OR BELOW SHALL BE TAMPER RESISTANT.

### ELECTRICAL KEYNOTES

- PVC CONDUIT AND WIRING SHALL BE USED FOR ALL DEVICES LOCATED OUTDOORS.
- 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 LOCAL ELECTRICAL INSPECTOR AND UTILITY COMPANY. PROVIDE 300 AMP RATED SERVICE ENTRANCE WIRING FROM METER TO PANEL LOCATION.
- 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 300A, 240/120V ELECTRICAL PANEL. PROVIDE SERVICE GROUNDING ELECTRODE CONDUCTORS AND CONNECTIONS PER NEC ARTICLE 250.
- PROVIDE NEMA 14-50R RECEPTACLE FOR ELECTRIC RANGE.
- LOCATION OF TRANSFORMER FOR RADIANT FLOOR HEATING FOR 1ST FLOOR BATHROOM.

#### PANELBOARD LC

CLASS: ● Lighting  
○ Distribution  
BUS SIZE: 300A  
VOLTAGE CLASS: 240/120V, 1 Ø, .3W  
SCR (FULLY RATED): 22 KAIC

S/RATING NO  
MOUNTING SURFACE  
CB TYPE 300A  
FEEDER ENTRANCE BOTTOM  
LOCATION MECH CLOSET

#	BREAKER		PHASE LOAD - KVA				BREAKER		#		
	A	P	LOAD	A	B	LOAD	A	P			
1	20	1	GROUND LEVEL LTG & RECPTS	0.57	0.97	0.40	HEAT TRACE	20	1	2	
3	20	1	OUTDOOR LIGHTING	0.48		1.23	0.75	OUTDOOR RECPTS & DOORBELL	20	1	4
5	20	1	(1) DETECTORS	0.07	1.15	1.08		LIVING/DINING RM RECPTS	20	1	6
7	20	1	DISHWASHER	1.20		2.70	1.50	KITCHEN RECPTS & HOOD	20	1	8
9	50	2	RANGE	4.00	5.50	1.50	1.50	KITCHEN RECPTS	20	1	10
11	-	-		4.00		5.20	1.20	REFRIGERATOR	20	1	12
13	20	1	1ST FLOOR LTG	0.28	1.00	0.72		CORRIDOR RECPTS	20	1	14
15	20	1	SUNROOM RECPTS	0.90		1.39	0.49	1ST FLOOR BATHROOM	20	1	16
17	20	1	(1) MASTERBED RM	1.31	2.06	0.76		(1) BEDROOM	20	1	18
19	20	1	2ND FLOOR RCPTS & LTG	0.58		1.51	0.94	(1) BEDROOM	20	1	20
21	20	1	WASHING MACHINE	1.20	3.70	2.50		DRYER	30	2	22
23	20	1	2ND FLOOR BATHROOM	1.03		3.53	2.50		-	-	24
25	20	1	2ND FLOOR BATHROOM	1.03	1.23	0.19		HP-1 - HP-8	15	2	26
27	20	1	RP-1, RP-1	1.50		1.69	0.19		-	-	28
29	20	1	RP-1, RP-1	1.50	3.00	1.50		RP-1, RP-1	20	1	30
31	20	1	RP-1	0.75		2.25	1.50	RP-1, RP-1	20	1	32
33	60	2	HWH	6.00	12.00	6.00	6.00	HWH	60	2	34
35	-	-		6.00		12.00	6.00		-	-	36
37	60	2	HWH	6.00	7.47	1.47		BB-1	20	1	38
39	-	-		6.00		6.00		PANEL 'LCB'	100	2	40
41	20	1	BB-1	1.47	1.47				-	-	42
TOTAL LOAD PER PHASE:				39.5		37.5					
TOTAL LOAD ON PANEL:				92.48		KVA					

NOTES:  
1. PROVIDE AFCI CIRCUIT BREAKER

#### PANELBOARD LCB

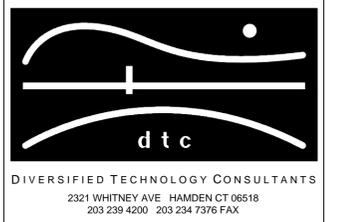
CLASS: ● Lighting  
○ Distribution  
BUS SIZE: 100A  
VOLTAGE CLASS: 240/120V, 1 Ø, .3W  
SCR (FULLY RATED): 22 KAIC

S/RATING NO  
MOUNTING SURFACE  
CB TYPE MLO  
FEEDER ENTRANCE TOP  
LOCATION MECH CLOSET

#	BREAKER		PHASE LOAD - KVA				BREAKER		#		
	A	P	LOAD	A	B	LOAD	A	P			
1	20	1	BB-2	1.32	2.35	1.03	BB-3	20	1	2	
3	20	1	BB-4	0.88	3.29	2.42	CU-1	40	2	4	
5	20	2	CU-3	1.28	3.69	2.42				6	
7	-	-		1.28		3.69	2.42	CU-2	40	2	8
9	20	1	SPARE		2.42	2.42					10
11	20	1	SPARE					SPARE	20	1	12
TOTAL LOAD PER PHASE:				8.5		7.0					
TOTAL LOAD ON PANEL:				15.43		KVA					

NOTES:  
ISSUED FOR BIDDING :  
NOT FOR  
CONSTRUCTION

REVISIONS

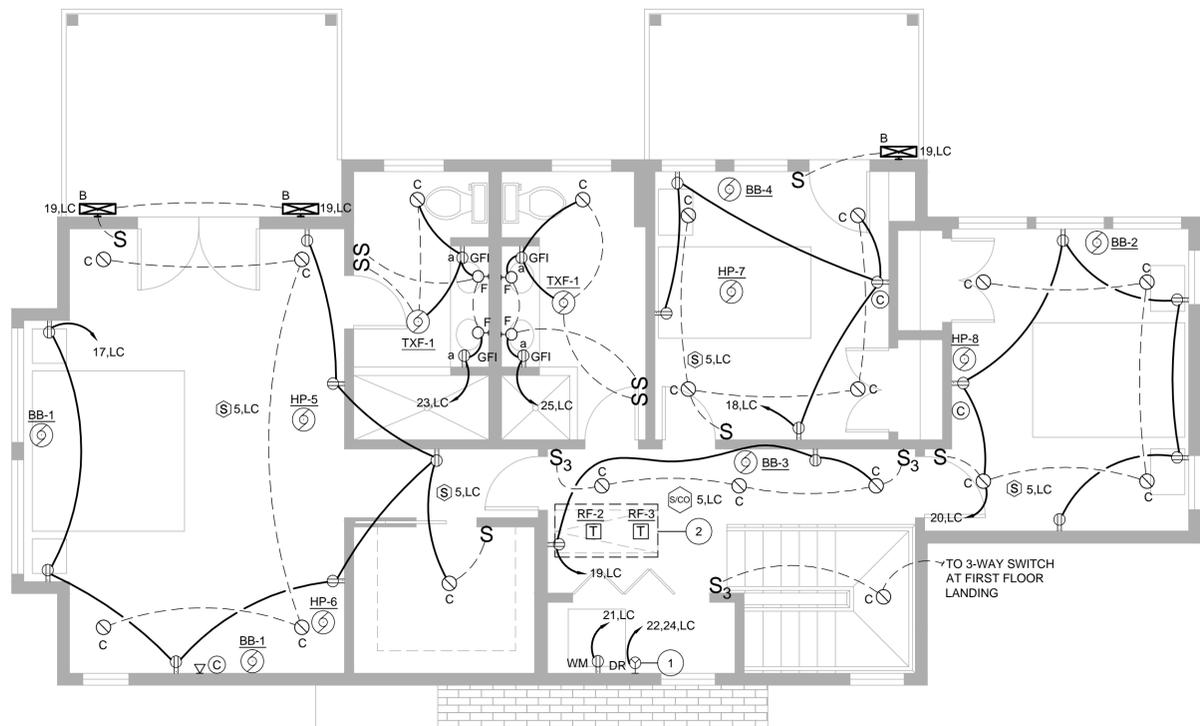


OORR  
APPLICATION NO. 1846  
BURNS RESIDENCE  
3 MARSH RD.  
WESTPORT, CT

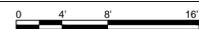
### ELECTRICAL GROUND LEVEL & FIRST FLOOR PLANS

DTC PROJECT NUMBER: 13-449-026  
DTC DRAWING FILE:  
SCALE: 1/4"=1'-0" DRAWN BY: WM  
DATE: 5/8/2015 CHECKED BY: JP

SHEET:  
**E-100**



**1 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.
- ALL BRANCH CIRCUIT USED INDOORS SHALL BE WIRED WITH NM CABLE U.O.N. REFER TO FEEDER SCHEDULE ON DRAWING E-001 FOR SIZING.
- ALL EQUIPMENT AND DEVICES LOCATED OUTDOORS SHALL BE CIRCUITED WITH CONDUIT AND WIRING. REFER TO FEEDER SCHEDULE ON DWG E-001 FOR SIZING.
- ALL 125-VOLT 15 AND 20 AMP RECEPTACLES LOCATED AT 5 1/2' AFF OR BELOW SHALL BE TAMPER RESISTANT.
- REFER TO DWG E-100 FOR PANEL SCHEDULE.

**ELECTRICAL KEYNOTES**

- PROVIDE NEMA 14-30R RECEPTACLE FOR DRYER.
- TRANSFORMERS FOR RADIANT FLOOR HEATING FOR 2ND FLOOR BATHROOMS SHALL BE LOCATED IN ATTIC.

**MOTOR CIRCUIT SCHEDULE**

EQUIPMENT	SOURCE PANEL	OCP DEVICE	BRANCH CIRCUIT	DISC SW	LOAD				REMARKS
					HP/KW	FLA	MCA	PH VOLT	
BB-1	38.LC	20A-1P	2#12, #12G		1.466KW			1 120V	1,3,4,5,7
BB-1	41.LC	20A-1P	2#12, #12G		1.466KW			1 120V	1,3,4,5,7
BB-2	1.LCB	20A-1P	2#12, #12G		1.319KW			1 120V	1,3,4,5
BB-3	2.LCB	20A-1P	2#12, #12G		1.026KW			1 120V	1,3,4,5
BB-4	3.LCB	20A-1P	2#12, #12G		876W			1 120V	1,3,4,5
CU-1	4,6.LCB	40A-2P	2#10, #10G, 3/4" C.	60A-2P		21A	26.4A	1 230V	2,3,4,6
CU-2	8,10.LCB	40A-2P	2#10, #10G, 3/4" C.	60A-2P		21A	26.4A	1 230V	2,3,4,6
CU-3	5,7.LCB	20A-2P	2#12, #12G, 3/4" C.	30A-2P		11.09A	13.3A	1 230V	2,3,4,6
HP-1	26,28.LC	20A-2P	2#12, #12G		0.25A			1 230V	1,3,4,5,9
HP-2	26,28.LC	20A-2P	2#12, #12G		0.25A			1 230V	1,3,4,5,9
HP-3	26,28.LC	20A-2P	2#12, #12G		0.25A			1 230V	1,3,4,5,9
HP-4	26,28.LC	20A-2P	2#12, #12G		0.25A			1 230V	1,3,4,5,9
HP-5	26,28.LC	20A-2P	2#12, #12G		0.20A			1 230V	1,3,4,5,9
HP-6	26,28.LC	20A-2P	2#12, #12G		0.20A			1 230V	1,3,4,5,9
HP-7	26,28.LC	20A-2P	2#12, #12G		0.25A			1 230V	1,3,4,5,9
HP-8	26,28.LC	20A-2P	2#12, #12G		0.20A			1 230V	1,3,4,5,9
HWH	33,35.LC 37,39.LC 34,36.LC	(3) 60A-2P	3 SETS OF [2#6, #10G]	60A-2P			50A	1 240V	3,4,5,8
RF-1	16.LC	20A-1P	2#12, #12G			15A		1 120V	1,3,4,5
RF-2	23.LC	20A-1P	2#12, #12G			15A		1 120V	1,3,4,5
RF-3	25.LC	20A-1P	2#12, #12G			15A		1 120V	1,3,4,5
RP-1	27.LC	20A-1P	2#12, #12G		750W	6.3A		1 120V	1,3,4,5,10
RP-1	27.LC	20A-1P	2#12, #12G		750W	6.3A		1 120V	1,3,4,5,10
RP-1	29.LC	20A-1P	2#12, #12G		750W	6.3A		1 120V	1,3,4,5,10
RP-1	29.LC	20A-1P	2#12, #12G		750W	6.3A		1 120V	1,3,4,5,10
RP-1	30.LC	20A-1P	2#12, #12G		750W	6.3A		1 120V	1,3,4,5,10
RP-1	30.LC	20A-1P	2#12, #12G		750W	6.3A		1 120V	1,3,4,5,10
RP-1	31.LC	20A-1P	2#12, #12G		750W	6.3A		1 120V	1,3,4,5,11
RP-1	32.LC	20A-1P	2#12, #12G		750W	6.3A		1 120V	1,3,4,5,12
RP-1	32.LC	20A-1P	2#12, #12G		750W	6.3A		1 120V	1,3,4,5,12
TXF-1	16.LC	20A-1P	2#12, #12G		6W	0.7A		1 120V	3,4,5
TXF-1	23.LC	20A-1P	2#12, #12G		6W	0.7A		1 120V	3,4,5
TXF-1	25.LC	20A-1P	2#12, #12G		6W	0.7A		1 120V	3,4,5

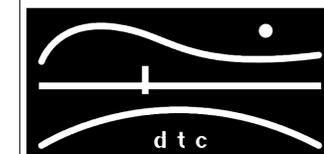
**NOTES**

- UNIT WIRED TO LINE VOLTAGE WALL THERMOSTAT.
- PROVIDE DISCONNECT SWITCH. DISCONNECT SWITCH SHALL BE NEMA 3R RATED.
- OVERCURRENT PROTECTIVE DEVICE SHALL BE MOLDED CASE CIRCUIT BREAKER U.O.N.
- REFER TO ELECTRICAL AND MECHANICAL PLANS FOR EQUIPMENT LOCATIONS. DISCONNECTS BY DIV 26 U.O.N.
- UNIT SHALL BE WIRED WITH NM CABLE (ROMEX).
- UNIT SHALL BE CIRCUITED WITH CONDUIT AND WIRING.
- MULTIPLE UNITS MUST BE WIRED IN PARALLEL.
- UNIT REQUIRES 3 DEDICATED CIRCUITS.
- PROVIDE STOL - THERMAL OVERLOAD SWITCH. STOL SHALL BE NEMA 1 RATED.
- LIVINGROOM AND DINNING ROOM UNITS.
- CORRIDOR UNIT.
- SUN ROOM UNITS.

NOTES:

ISSUED FOR BIDDING :  
NOT FOR  
CONSTRUCTION

REVISIONS



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

OORR  
APPLICATION NO. 1846  
BURNS RESIDENCE  
3 MARSH RD.  
WESTPORT, CT

ELECTRICAL SECOND  
FLOOR PLAN

DTC PROJECT NUMBER: 13-449-026

DTC DRAWING FILE:

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

DRAWN BY: WM

DATE: 5/8/2015

CHECKED BY: JP

SHEET:

**E-101**