

# PROJECT 1405 - 9 DERBY AVENUE, MILFORD, CT

## COMMUNITY DEVELOPMENT BLOCK GRANT DISASTER RECOVERY PROGRAM OWNER OCCUPIED REHABILITATION AND REBUILDING CONNECTICUT DEPARTMENT OF HOUSING HARTFORD CT 06118

### GENERAL NOTES:

1. WHERE REFERENCED IN THIS PLAN SET, MARTINEZ COUCH & ASSOCIATES, LLC SHALL HEREIN BE REFERRED TO AS "MCA."
2. THE CONTRACTOR SHALL ABIDE BY ALL OSHA, FEDERAL, STATE, AND LOCAL REGULATIONS.
3. THE CONTRACTOR SHALL POST ALL BONDS, PAY ALL FEES, PROVIDE PROOF OF INSURANCE, AND PROVIDE TRAFFIC CONTROL NECESSARY FOR THIS WORK.
4. THE CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS IN THE FIELD AND CONTACT MCA IF THERE ARE ANY QUESTIONS OR CONFLICTS REGARDING THE CONSTRUCTION DOCUMENTS AND/OR FIELD CONDITIONS, SO THAT APPROPRIATE REVISIONS CAN BE MADE PRIOR TO BIDDING. ANY CONFLICT BETWEEN THE DRAWINGS AND SPECIFICATIONS SHALL BE CONFIRMED WITH MCA PRIOR TO BIDDING.
5. REFER TO OTHER PLANS, DETAILS, AND PROJECT MANUAL FOR ADDITIONAL INFORMATION.

### DRAWING INDEX

#### SHEET TITLE

TITLE SHEET  
FLOOR PLANS - 1  
FLOOR PLANS - 2  
ARCHITECTURAL PHOTO NOTES  
SCHEDULES  
M.E.P. PLAN - 1  
M.E.P. PLAN - 2  
M.E.P. PLAN - 3

#### SHEET NUMBER

T-0.0  
A-1.0  
A-2.0  
A-3.0  
A-5.0  
MP-1.0  
MP-2.0  
MP-3.0

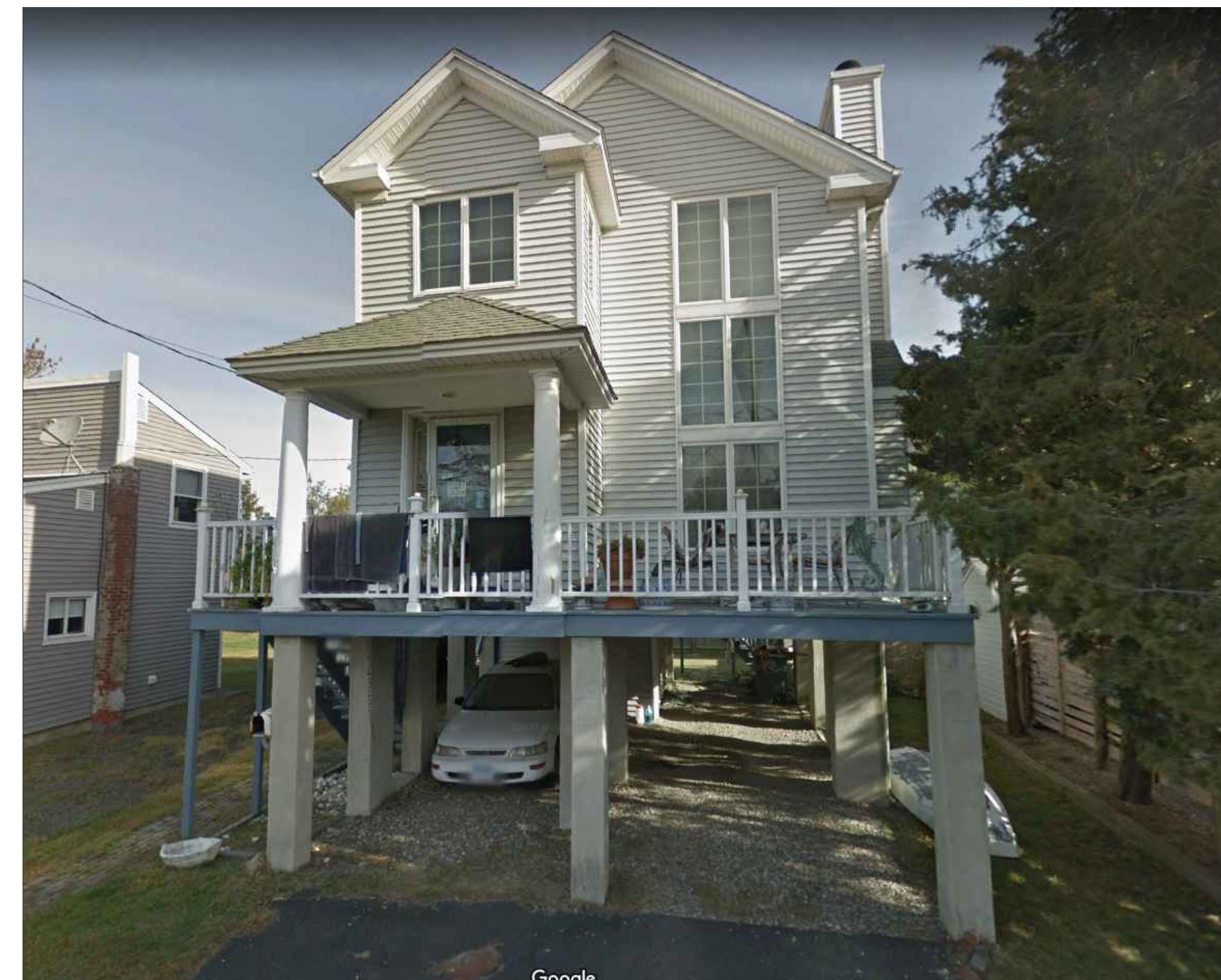


PHOTO  
(N.T.S.)

1	1/20/2021	ISSUED FOR BIDDING	MBR	MBR	REC
NO.	DATE	REVISIONS	BY	CHK	APPV
DRAWN:	RTC	CHECKED: MBR	APPROVED: REC	SCALE: N.T.S.	DATE: 12/2020

## GENERAL NOTES

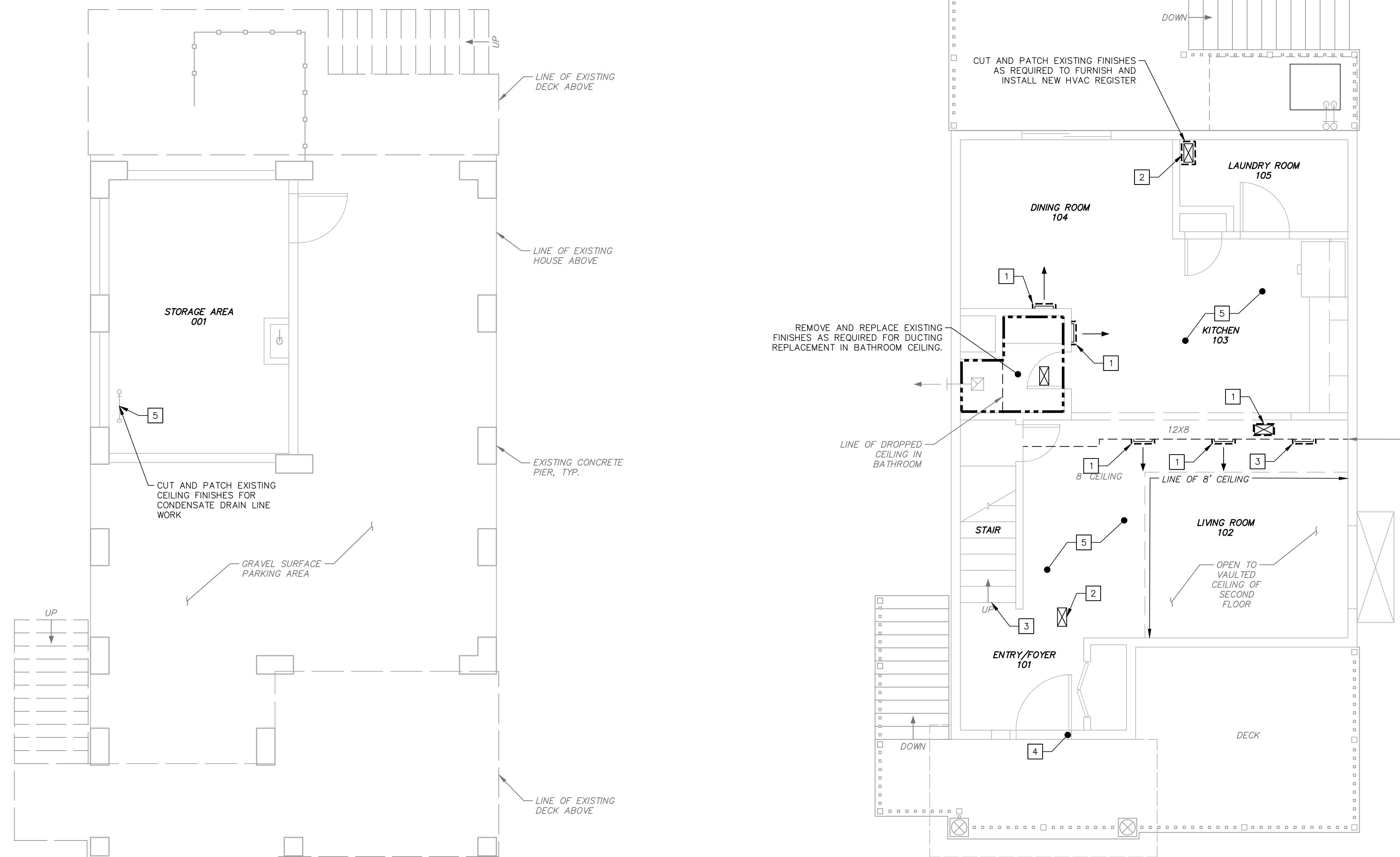
1. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL MEASUREMENTS. ANY VARIATIONS FROM CONDITIONS SHOWN ARE TO BE BROUGHT TO THE ATTENTION OF THE DESIGN PROFESSIONAL AND/OR MARTINEZ COUCH AND ASSOCIATES PRIOR TO BIDDING FOR RESOLUTION IN ACCORDANCE WITH CONTRACT DOCUMENT REQUIREMENTS.
2. ALL REQUIRED PERMITS ARE TO BE OBTAINED BY THE CONTRACTOR AT HIS EXPENSE.
3. ALL DIMENSIONS ARE TO THE OUTSIDE FACE OF THE NOTED ITEM UNLESS OTHERWISE NOTED.
4. WORK LIMITS SHALL BE AS NOTED. ALL ITEMS DISTURBED BY ANY AND ALL CONSTRUCTION ACTIVITIES SHALL BE RESTORED SUBSTANTIALLY TO THE CONDITION THEY EXISTED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, AND TO THE PROPERTY OWNER'S SATISFACTION.
5. THE LOCATIONS OF SITE UTILITIES ARE UNKNOWN. PRIOR TO COMMENCING ANY EXCAVATION, THE CONTRACTOR SHALL PLACE A "CALL BEFORE YOU DIG" (CBYD) REQUEST (PHONE: 1-800-922-4455). THE PROTECTION OF EXISTING UTILITIES IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AT HIS EXPENSE.
6. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL ACTIVITY ON THE SUBJECT PROPERTY.

## PAINTING GENERAL NOTES

1. PAINTING AND FINISHING WORK IS TO BE PERFORMED ON NEW AND EXISTING SURFACES. REFER TO SPECIFICATIONS FOR REQUIREMENTS FOR PREPARATION OF SURFACES PRIOR TO PAINTING.
2. FOR PAINTING OF PAINTED SURFACES REFER TO SHEET A-5.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING A MOCKUP OF FINISHED PAINTED SURFACE OF BOTH NEW GYPSUM BOARD AND EXISTING GYPSUM BOARD FOR COLOR MATCHING TO ADJACENT SURFACES.
- 3.1. PROTECTION OF ADJACENT SURFACES SHALL BE MAINTAINED AT ALL TIMES BY THE CONTRACTOR BY TAPEING OF ADJACENT WALLS, CORNERS, TRIMS, MOULDINGS, OR APPURTENANCES.
- 3.2. INSTALLATION AND DAILY REMOVAL OF FLOOR DROPS CLOTHS IN WORK AREAS OF THE PROPERTY.
4. ANY SPILLS, DROPS, OR EMISSION OF PAINT PRODUCTS ONTO AREAS NOT SCHEDULE FOR WORK SHALL BE PROMPTLY CLEANED UP.
5. A PRE-CONSTRUCTION CONFERENCE WILL BE SCHEDULED TO REVIEW ALL PAINTING AND FINISHING WORK WITH OWNER.
6. OWNER SELECTION OF COLOR AND FINISH FOR PAINT SHALL BE MADE PRIOR TO STARTING WORK. CONTRACTOR MOCKUP AND SAMPLES SHALL BE SUBMITTED FOR REVIEW PRIOR TO START OF PAINTING WORK.

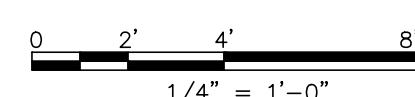
## WORK NOTES

- 1 CUT AND PATCH EXISTING FINISHES AS REQUIRED TO FURNISH AND INSTALL NEW HVAC REGISTER ON WALL, TYPICAL
- 2 CUT AND PATCH EXISTING FINISHES AS REQUIRED TO FURNISH AND INSTALL NEW HVAC REGISTER ON CEILING, TYPICAL
- 3 PATCH LOCATION OF FORMER OR RELOCATED HVAC REGISTER
- 4 REMOVE ABANDONED SCREEN DOOR OPERATOR AND FRONT STORM DOOR HEAD. PATCH AND REPAIR WOOD CASING AT HINGE SIDE, REMOVE/RESET RECENTLY INSTALLED DOOR OPERATOR. SAND, PUTTY, AND REFINISH JAMB CASING AS REQUIRED.
- 5 COMPLETE FINISH WORK PER SCHEDULE IN EACH ROOM, SEE SHEET A-5.0



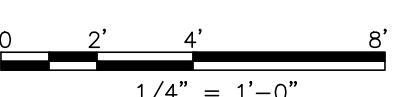
GRADE LEVEL PLAN

NOTES  
 1. ALL INTERIOR AND EXTERIOR FINISHES DISTURBED BY CONTRACTOR SHALL BE PATCHED AND PAINTED TO MATCH EXSITING AND ADJACENT FINISHES.  
 2. THE OWNER SHALL BE RESPONSIBLE FOR MOVING POSSESSIONS IN WORK AREA  
 3. DRAWING REFERENCE 'FLOOR PLANS, A-100, DATED 4/22/2016' BY DTC

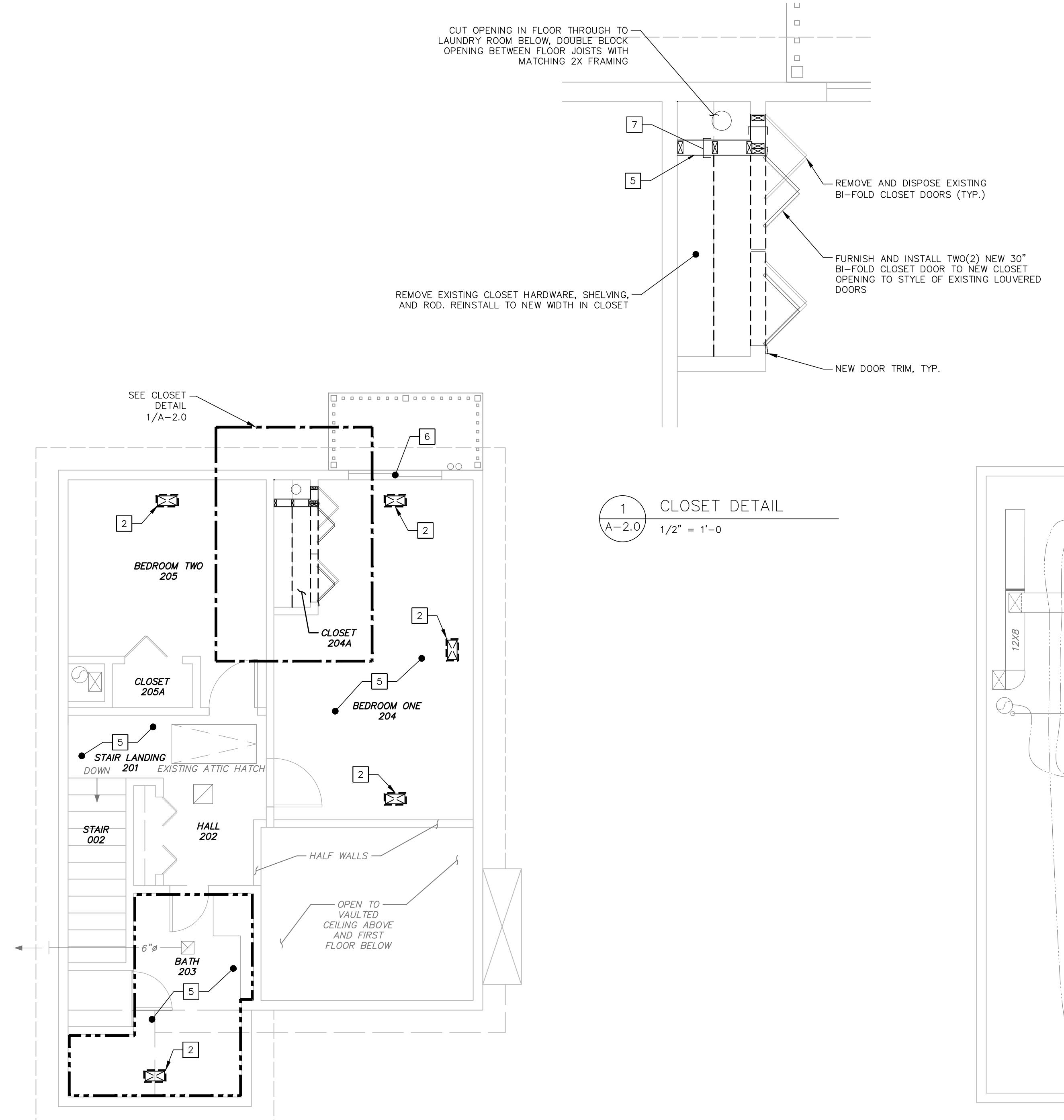


FIRST FLOOR PLAN

NOTES  
 1. ALL INTERIOR AND EXTERIOR FINISHES DISTURBED BY CONTRACTOR SHALL BE PATCHED AND PAINTED TO MATCH EXSITING AND ADJACENT FINISHES.  
 2. THE OWNER SHALL BE RESPONSIBLE FOR MOVING POSSESSIONS IN WORK AREA  
 3. DRAWING REFERENCE 'MECHANICAL FLOOR PLANS, M-100, DATED 4/22/2016' BY DTC



FLOOR PLANS - 1					
NO.	DATE	REVISIONS		BY	CHK APPV
		DRAWN: RTC	CHECKED: MBR	APPROVED: REC	SCALE: 1/4" = 1'-0"
33-262-1405					



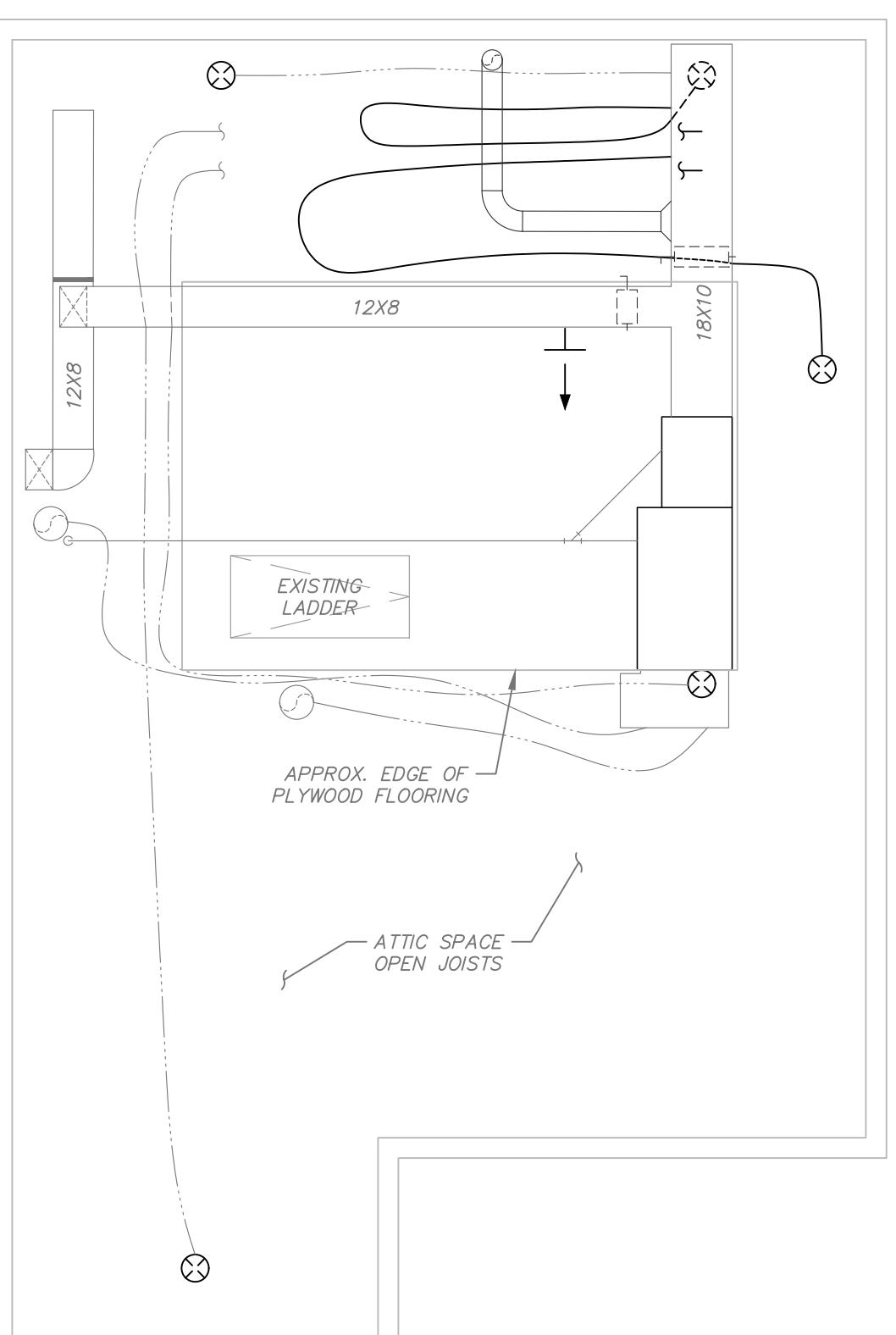
## SECOND FLOOR PLAN

NOTES

---

1. ALL INTERIOR AND EXTERIOR FINISHES DISTURBED BY CONTRACTOR SHALL BE PATCHED AND PAINTED TO MATCH EXSITING AND ADJACENT FINISHES  
2. THE OWNER SHALL BE RESPONSIBLE FOR MOVING POSSESSIONS IN WORK AREA  
3. DRAWING REFERENCE 'FLOOR PLANS, A-100, DATED 4/22/2016' BY DTC

Diagram showing a 1/4" scale model of a 1' 0" span divided into 8' sections. The span is marked at 2' and 4'.



## ATTIC PLAN

NOTES

1. ALL INTERIOR AND EXTERIOR FINISHES DISTURBED BY CONTRACTOR SHALL BE PATCHED AND PAINTED TO MATCH EXSITING AND ADJACENT FINISHES.
2. THE OWNER SHALL BE RESPONSIBLE FOR MOVING POSSESSIONS IN WORK AREA
3. DRAWING REFERENCE 'FLOOR PLANS, A-100, DATED 4/22/2016' BY DTC

## GENERAL NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL MEASUREMENTS. ANY VARIATIONS FROM CONDITIONS SHOWN ARE TO BE BROUGHT TO THE ATTENTION OF THE DESIGN PROFESSIONAL AND/OR MARTINEZ COUCH AND ASSOCIATES PRIOR TO BIDDING FOR RESOLUTION IN ACCORDANCE WITH CONTRACT DOCUMENT REQUIREMENTS.
2. ALL REQUIRED PERMITS ARE TO BE OBTAINED BY THE CONTRACTOR AT HIS EXPENSE.
3. ALL DIMENSIONS ARE TO THE OUTSIDE FACE OF THE NOTED ITEM UNLESS OTHERWISE NOTED
4. WORK LIMITS SHALL BE AS NOTED. ALL ITEMS DISTURBED BY ANY AND ALL CONSTRUCTION ACTIVITIES SHALL BE RESTORED SUBSTANTIALLY TO THE CONDITION THEY EXISTED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, AND TO THE PROPERTY OWNER'S SATISFACTION.
5. THE LOCATIONS OF SITE UTILITIES ARE UNKNOWN. PRIOR TO COMMENCING ANY EXCAVATION, THE CONTRACTOR SHALL PLACE A "CALL BEFORE YOU DIG" (CBYD) REQUEST (PHONE: 1-800-922-4455). THE PROTECTION OF EXISTING UTILITIES IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AT HIS EXPENSE.
6. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL ACTIVITY ON THE SUBJECT PROPERTY.

## PAINTING GENERAL NOTES

1. PAINTING AND FINISHING WORK IS TO BE PERFORMED ON NEW AND EXISTING SURFACES. REFER TO SPECIFICATIONS FOR REQUIREMENTS FOR PREPARATION OF SURFACES PRIOR TO PAINTING.
2. FOR SCHEDULE OF PAINTED SURFACES REFER TO SHEET A-5.0
3. CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING A MOCKUP OF FINISHED PAINTED SURFACE OF BOTH NEW GYPSUM BOARD AND EXISTING GYPSUM BOARD FOR COLOR MATCHING TO ADJACENT SURFACES.
  - 3.1. PROTECTION OF ADJACENT SURFACES SHALL BE MAINTAINED AT ALL TIMES BY THE CONTRACTOR. TAPING OF ADJACENT WALLS, CORNERS, TRIMS, MOULDINGS, OR APPURTENNANCES
  - 3.2. INSTALLATION AND DAILY REMOVAL OF FLOOR DROP CLOTHS IN WORK AREAS
  - 3.3. ERECTION OF SHEET POLY DUST BARRIERS TO ADJACENT OCCUPIED AREAS OF THE PROPERTY.
4. ANY SPILLS, DROPS, OR EMISSION OF PAINT PRODUCTS ONTO AREAS NOT SCHEDULE FOR WORK SHALL BE PROMPTLY CLEANED.
5. A PRE-CONSTRUCTION CONFERENCE WILL BE SCHEDULED TO REVIEW ALL PAINTING AND FINISHING WORK WITH OWNER.
6. OWNER SELECTION OF COLOR AND FINISH FOR PAINT SHALL BE MADE PRIOR TO STARTING WORK. CONTRACTOR MOCKUP AND SAMPLES SHALL BE SUBMITTED FOR REVIEW PRIOR TO START OF PAINTING WORK.

## WORK NOTES

- 1 NOT USED THIS SHEET
- 2 CUT AND PATCH EXISTING FINISHES AS REQUIRED TO FURNISH AND INSTALL NEW HVAC REGISTER ON CEILING, TYPICAL
- 3 NOT USED THIS SHEET
- 4 NOT USED THIS SHEET
- 5 COMPLETE FINISH WORK PER SCHEDULE IN EACH ROOM, SEE SHEET A-5.0
- 6 REPLACE SLIDING SCREEN DOOR. PROVIDE MATCHING SIZE WITH INTERNAL LATCHING MECHANISM AT CLOSING SIDE JAMB
- 7 NEW 2X4 PARTITION WALL WITH 1/2" GYPSUM BOARD BOTH SIDES, NEW BASEBOARD TRIM TO MATCH EXISTING ADJACENT EXISTING PROFILE

THIS MAP IS A COPYRIGHTED WORK OF MARTINEZ COUCH AND ASSOCIATES, LLC. ALL RIGHTS RESERVED.



1084 Cromwell Avenue, Suite A-2  
Rocky Hill, CT 06067  
Telephone: (860) 436-4364  
Fax: (860) 436-4626  
[www.martinezcouch.com](http://www.martinezcouch.com)

PROJECT 1405  
9 DERBY AVENUE  
MILFORD, CONNECTICUT 06067

**ISSUED FOR BID  
NOT FOR CONSTRUCTION**



FINISH SCHEDULE			ABBREVIATIONS:		ABBREVIATIONS:		CER		GB		Gypsum Board		REMARKS		
ROOM NAME	ROOM ID	FLOOR	ROOM NAME	ROOM ID	FLOOR	ROOM NAME	ROOM ID	FLOOR	ROOM NAME	ROOM ID	FLOOR	ROOM NAME	ROOM ID	FLOOR	
STORAGE AREA	001	CONC	ETR	NONE	N/A	E-GB	ETR	E-GB	ETR	E-GB	ETR	E-GB	PT-1	CEILING: CUT/PATCH AT CONDENSATE DRAIN LINE ONLY	
ENTRY/FOYER	101	CER	ETR	E-WD	ETR	E-GB	PT-1	E-GB	ETR	E-GB	ETR	E-GB	PT-1		
LIVING ROOM	102	HDWD	ETR	E-WD	ETR	E-GB	PT-1	E-GB	ETR	E-GB	ETR	E-GB	PT-1	NORTH WALL IS HVAC SOFFIT	
KITCHEN	103	CER	ETR	E-WD	ETR	E-GB	ETR	E-GB	ETR	E-GB	PT-1	E-GB	ETR	SOUTH WALL IS HVAC SOFFIT	
DINING ROOM	104	HDWD	ETR	E-WD	ETR	E-GB	ETR	E-GB	ETR	E-GB	PT-1	E-GB	PT-1	CEILING: CUT/PATCH AT NEW HVAC REGISTER(S), WESTWALL: PAINT FROM S.E. CORNER TO WINDOW	
LAUNDRY	105	CER	ETR	E-WD	ETR	E-GB	ETR	E-GB	ETR	E-GB	ETR	E-GB	PT-1	CEILING: CUT/PATCH CEILING AT HVAC REGISTER	
BATH	106	CER	ETR	E-WD	ETR	E-GB	PT-1	E-GB	PT-1	E-GB	PT-1	E-GB	PT-2	CEILING: NEW GB, WALLS: EXISTING GB	
STAIR	002	CPT	ETR	E-WD	ETR	E-GB	PT-1	E-GB	PT-1	E-GB	PT-1	E-GB	ETR	REMOVE RAILING AS REQUIRED.	
STAIR LANDING	201	CPT	ETR	E-WD	ETR	E-GB	ETR	E-GB	ETR	E-GB	ETR	E-GB	ETR		
HALL	202	CPT	ETR	E-WD	ETR	E-GB	ETR	E-GB	ETR	E-GB	ETR	E-GB	ETR		
BATH	203	CER	ETR	E-WD	ETR	E-GB	ETR	E-GB	ETR	E-GB	ETR	E-GB	PT-1		
BED ONE (LOFT)	204	CPT	ETR	E-WD	ETR	E-GB	ETR	E-GB	ETR	E-GB	ETR	E-GB	PT-1	CEILING: CUT/PATCH CEILING AT HVAC REGISTER; WESTWALL: ALONG LENGTH OF CLOSET ONLY	
BED ONE CLOSET	204A	CPT	ETR	WD	PT-3	GB	PT-2	GB	ETR	E-GB	ETR	E-GB	ETR	EAST WALL: ONLY PORTION FOR DUCT CHASE	
BED TWO	205	CPT	ETR	E-WD	ETR	E-GB	ETR	E-GB	PT-2	E-GB	ETR	E-GB	PT-1	CEILING: CUT/PATCH AT HVAC REGISTER	
BED TWO CLOSET	205A	CPT	ETR	N/A	NONE	E-GB	ETR	E-GB	ETR	E-GB	ETR	E-GB	ETR	NO WORK SCHEDULED THIS ROOM	

PT-1 – EXISTING GYPSUM BOARD  
PREPARE EXISTING PAINTED SURFACE FOR NEW FINISH, SEE SPECIFICATIONS  
PRIMER – KILZ RESTORATION INTERIOR PRIMER

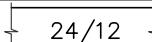
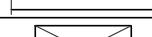
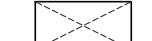
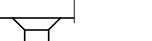
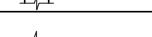
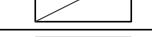
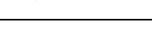
PAINT – INTERMEDIATE AND TOP COAT: BENJAMIN MOORE, OWNER SELECTED COLOR/FINISH

PT-2 – NEW GYPSUM BOARD  
PRIMER – KILZ PVA DRYWALL PRIMER

PAINT – INTERMEDIATE AND TOP COAT: BENJAMIN MOORE, OWNER SELECTED COLOR/FINISH

PT-3 – NEW PINE WOOD TRIM  
PRIMER – PRE-PRIMED

PAINT – INTERMEDIATE AND TOP COAT: BENJAMIN MOORE, OWNER SELECTED COLOR/FINISH

MECHANICAL LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	RECTANGULAR AIR DUCT UP, FIRST NUMBER IS DIMENSION SHOWN		RADIUS DUCTWORK ELBOW (CENTERLINE RADIUS $1.5 \times W$ )
	RECTANGULAR SUPPLY AIR DUCT UP		RECTANGULAR TO ROUND BRANCH TAKEOFF
	RECTANGULAR SUPPLY AIR DUCT DOWN		CONTROL DAMPER, MANUAL
	RECTANGULAR RETURN AIR DUCT UP		CEILING SUPPLY AIR REGISTER
	RECTANGULAR RETURN AIR DUCT DOWN		SIDEWALL SUPPLY AIR REGISTER
	ROUND SUPPLY AIR DUCT UP		ROUND FRESH AIR/EXHAUST AIR DUCT DOWN/UP
	ROUND SUPPLY AIR DUCT DOWN		SIDEWALL RETURN AIR REGISTER
	ROUND FRESH AIR/EXHAUST AIR DUCT DOWN/UP		

# BUILDING UTILITY GENERAL NOTES

1. PLAN REPRESENTATION OF BUILDING UTILITIES ARE SCHEMATIC IN NATURE.
2. FOR COMPLETE BUILDING UTILITY WORK REQUIREMENTS REFER TO CONTRACT SPECIFICATIONS.
3. IT IS THE PROJECT INTENT TO TURN OVER COMPLETE, FULLY FUNCTIONAL, AND OPERATING UTILITY SYSTEMS TO THE OWNER FOR FINAL ACCEPTANCE OF PROJECT WORK.
4. FINAL PAYMENT WILL NOT BE PROCESSED WITHOUT SUBMITTAL OF ALL TESTING REPORTS OR EVIDENCE THEREOF FOR COMPLETE, FULLY FUNCTIONAL, AND OPERATING UTILITY SYSTEMS, AS REQUIRED BY CONTRACT SPECIFICATIONS AND AUTHORITIES HAVING JURISDICTION.
5. ALL BUILDING PENETRATIONS TO BE SEALED WITH INTUMSCENT FIRE STOP PUTTY, HITLI FS-ONE OR APPROVED EQUAL. ALL FINISHES TO BE PATCHED TO MATCH EXISTING ADJACENT CONDITIONS.
6. ANY SPECIAL REQUIREMENTS OR CONDITIONS OF UTILITY PROVIDERS FOR UTILITY SERVICE RECONNECTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

## GENERAL NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL MEASUREMENTS. ANY VARIATIONS FROM CONDITIONS SHOWN ARE TO BE BROUGHT TO THE ATTENTION OF THE DESIGN PROFESSIONAL AND/OR MARTINEZ COUCH AND ASSOCIATES PRIOR TO BIDDING FOR RESOLUTION IN ACCORDANCE WITH CONTRACT DOCUMENT REQUIREMENTS.
2. ALL REQUIRED PERMITS ARE TO BE OBTAINED BY THE CONTRACTOR AT HIS EXPENSE.
3. ALL DIMENSIONS ARE TO THE OUTSIDE FACE OF THE NOTED ITEM UNLESS OTHERWISE NOTED
4. WORK LIMITS SHALL BE AS NOTED. ALL ITEMS DISTURBED BY ANY AND ALL CONSTRUCTION ACTIVITIES SHALL BE RESTORED SUBSTANTIALLY TO THE CONDITION THEY EXISTED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, AND TO THE PROPERTY OWNER'S SATISFACTION.
5. THE LOCATIONS OF SITE UTILITIES ARE UNKNOWN. PRIOR TO COMMENCING ANY EXCAVATION, THE CONTRACTOR SHALL PLACE A "CALL BEFORE YOU DIG" (CBYD) REQUEST (PHONE: 1-800-922-4455). THE PROTECTION OF EXISTING UTILITIES IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AT HIS EXPENSE.
6. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL ACTIVITY ON THE SUBJECT PROPERTY.

## M.E.P. GENERAL NOTES

1. MECHANICAL AND PLUMBING PLANS ARE INTENDED TO PROVIDE INFORMATION FOR A COMPLETE FUNCTIONING MECHANICAL/PLUMBING SYSTEM. CONTRACTOR SHALL SUPPLY ALL MATERIALS, LABOR, AND EQUIPMENT REQUIRED FOR INTENDED INSTALLATION TO PRODUCE A QUALITY END PRODUCT MEETING OR EXCEEDING INDUSTRY STANDARDS.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INCLUDE ALL NECESSARY PIPING FITTINGS AND FIXTURES TO COMPLETE THE DESIGN INTENT UNDER THE BASE BID IN ACCORDANCE WITH CURRENT CODES AND REQUIREMENTS OR AS SPECIFIED WHICHEVER IS MORE STRINGENT.
3. INSTALLATION OF ALL EQUIPMENT COMPLY WITH MANUFACTURER REQUIREMENTS. CONTRACTOR SHALL FURNISH AND INSTALL REQUIRED CONTROL WIRING REQUIRED BY MANUFACTURER
4. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE 2018 STATE OF CONNECTICUT BUILDING CODE AND AS REQUIRED BY AUTHORITIES HAVING JURISDICTION.
5. MATERIALS AND EQUIPMENT TO BE INSTALLED PER MANUFACTURER REQUIREMENTS WHERE CODE REQUIREMENTS ARE NOT SPECIFIED
6. ROUTING SHOWN ON PLANS IS SCHEMATIC IN NATURE. ACTUAL ROUTING WILL BE COORDINATED IN FIELD BY CONTRACTOR TO ACCOMMODATE EXISTING CONDITIONS AND THE EXISTING STRUCTURE. CONTRACTOR SHALL FURNISH AND INSTALL ALL PIPING AND FITTINGS TO MAKE THE CONNECTIONS AND SYSTEMS INTENDED BY THESE PLANS.
7. GAS PIPING SHALL BE SCHEDULE 40 BLACK STEEL WITH MALLEABLE FITTINGS
8. PIPING SHALL BE SUPPORTED AND FASTENED WITH APPROPRIATE HANGERS, TIES, OR STRAPS; PIPING SHALL SHALL BE INSTALLED FREE OF SAGS AND DROOPS.
9. FURNISH AND INSTALL ALL PLUMBING FIXTURES WITH ACCESSIBLE STOPS AND THERMOSTATIC MIXING VALVES AT ALL SHOWER FAUCETS
10. ALL CLEANOUTS SHALL BE FULL SIZE OF PIPE UNLESS OTHERWISE NOTED.
11. MAKE PROPER HOT AND COLD WATER, WASTE VENT, DRAIN, GAS, AND OTHER PIPING CONNECTIONS TO ALL FIXTURES AND EQUIPMENT.
12. EQUIPMENT SHALL BE INSTALLED TO FACILITATE SERVICING AND COMPLY WITH MANUFACTURER WRITTEN INSTRUCTIONS.
13. CONTRACTOR SHALL PROVIDE THE OWNER WITH COMPLETE OPERATION AND MAINTENANCE DOCUMENTS AND TRAIN OWNER ON OPERATION OF SYSTEM
14. CUTTING AND PATCHING OF FINISH CONSTRUCTION TO BE COMPLETED AS REQUIRED FOR COMPLETE MECHANICAL AND PLUMBING INSTALLATION

## HEATING SYSTEM NOTES

1. DUCT ROUTING ON PLANS IS SCHEMATIC AND FINAL ROUTING TO BE DETERMINED IN FIELD. THE MECHANICAL CONTRACTOR SHALL MAKE REQUIRED DUCT MODIFICATIONS TO ACCOMMODATE FIELD CONDITIONS WHICH WILL NOT BE CONSIDERED A CHANGE OF CONDITIONS.
2. METAL DUCTING SHALL BE FABRICATED AND INSTALLED PER SMACNA "HVAC DUCT CONSTRUCTION STANDARDS- METAL AND FLEXIBLE" WITH GALVANIZED METALS CONFORMING TO ASTM A 653, 26 GAUGE MINIMUM.
3. RIGID ROUND OR RECTANGULAR DUCTING SHALL BE INSULATED WITH FIBERGLASS BLANKET INSULATION WITH FSK JACKET. JOINTS TO BE SEALED WITH 3 INCH WIDE UL LISTED METALIZED DUCT TAPE.
4. FLEXIBLE DUCTING SHALL BE FACTORY INSULATED WITH METAL VAPOR BARRIER; CONNECTIONS TO BE SECURED WITH MANUFACTURER APPROVED BANDING AND 3 INCH WIDE UL LISTED METALIZED DUCT TAPE MEETING REQUIREMENTS OF ASTM C 1136
5. FACTORY FABRICATED DUCTS SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL181.
6. DUCTING, AIR HANDLERS, AND FILTER BOXES SHALL BE TESTED FOR SEALING. TESTING WILL BE COMPLETED BY CONTRACTOR ACCORDING TO 2015 IRC N1103.3.3.
7. SYSTEM SHALL BE TESTED AND BALANCED IN ACCORDANCE WITH SPECIFICATIONS.

## M.E.P. WORK NOTES

- 1A REPLACE EXISTING SIDEWALL S.A. REGISTER WITH NEW TITUS 301FL, CONNECT TO NEW OR EXISTING DUCTING. SEE PHOTO 2-5 ON SHEET A3
- 1B NEW CEILING S.A. REGISTER, TITUS 301FL, CONNECT TO NEW DUCTING. SEE PHOTO 2-5 ON SHEET A3
- 1C REPLACE EXISTING CEILING S.A. REGISTER WITH TITUS 301FL IN EXISTING LOCATION. RECONNECT EXISTING FLEX DUCT TO NEW BOOT. SEE PHOTO 2-5 ON SHEET A3
- 2 FURNISH AND INSTALL NEW MECHANICAL CONDENSATE DRAIN PIPE FROM CEILING MAIN DRAIN LINE. HEAT TRACE ENTIRE ENTIRE CONDENSATE DRAIN LINE IN GRADE LEVEL STORAGE AREA. FURNISH AND INSTALL ELECTRICAL OUTLET AS REQUIRED FOR NEW HEAT TRACE CABLE. SEE PHOTO 10 ON SHEET A3
- 3 REMOVE EXISTING HVAC DUCT. FURNISH AND INSTALL NEW 12X8 SHEET METAL DUCT IN BATHROOM CEILING AND CONNECT TO NEW S.A. REGISTERS AS INDICATED ON PLAN. SEE PHOTO 7 ON SHEET A3
- 4 REMOVE AND REINSTALL EXISTING S.A. FLEX DUCT TO BE REROUTED IN A MANNER TO ELIMINATE KINKS FOR PROPER AIR FLOW. SEE PHOTO 8 ON SHEET A3
- 5 REMOVE EXISTING HVAC TAPE WITHOUT DAMAGING EXISTING DUCT INSULATION. RESEAL EXISTING DUCT CONNECTION WITH NEW HVAC DUCT TAPE FOR PROPER AIR SEAL. SEE PHOTO 9 ON SHEET A3
- 6 REMOVE EXISTING HVAC SHEET METAL DUCTING. SEE PHOTO 6 ON SHEET A3
- 6A FURNISH AND INSTALL NEW 6"Ø SHEET METAL DUCT FROM MAINLINE SUPPLY DUCT DOWN TO FIRST FLOOR LAUNDRY ROOM; SEAL NEW SHEET METAL DUCT CONNECTION. SEE PHOTO 4 ON SHEET A3
- 7 PATCH NEW END OF EXISTING SHEET METAL DUCTING; INSULATE AND SEAL.
- 8 REMOVE EXISTING SUPPLY REGISTER. PATCH EXISTING SUPPLY DUCT, SEAL DUCT PATCH. AND INSULATE. SEE PHOTO 1 ON

**STORAGE AREA 001**

**GRAVEL SURFACE PARKING AREA**

**LINE OF EXISTING DECK ABOVE**

**LINE OF EXISTING HOUSE ABOVE**

**EXISTING CONCRETE PIER, TYP.**

**LINE OF EXISTING DECK ABOVE**

**UP**

**NOTE:**  
1. EXISTING DUCTING ROUTING IN BATHROOM CEILING IS UNKNOWN. LINE WORK IS PURELY SCHEMATIC

**BATHROOM DETAIL EXIST**  
1  
MP-1  
1/2" = 1'-0

**BATHROOM DETAIL NEW**  
2  
MP-1  
1/2" = 1'-0

**REMOVE FLEX REGISTER BOOT**

**REMOVE EXISTING IN BATHROOM CEILING**

**CONNECT TO EXISTING DUCTWORK IN CHASE UP TO ATTIC**

**12X8**

**12X8**

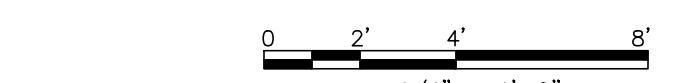
**CDS-1 50 CFM**

**CONNECT TO EXISTING DUCTWORK IN DROPPED CEILING CHASE**

## GRADE LEVEL PLAN

NOTES

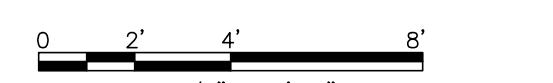
1. ALL INTERIOR AND EXTERIOR FINISHES DISTURBED BY CONTRACTOR SHALL BE PATCHED AND PAINTED TO MATCH EXSITING AND ADJACENT FINISHES.
2. THE OWNER SHALL BE RESPONSIBLE FOR MOVING POSSESSIONS IN WORK AREA
3. DRAWING REFERENCE 'FLOOR PLANS, A-100, DATED 4/22/2016' BY DTC



## FIRST FLOOR PLAN

NOTES

1. ALL INTERIOR AND EXTERIOR FINISHES DISTURBED BY CONTRACTOR SHALL BE PATCHED AND PAINTED TO MATCH EXSITING AND ADJACENT FINISHES.
2. THE OWNER SHALL BE RESPONSIBLE FOR MOVING POSSESSIONS IN WORK AREA
3. DRAWING REFERENCE 'FLOOR PLANS, A-100, DATED 4/22/2016' BY DTC



THIS MAP IS A COPYRIGHTED WORK OF MARTINEZ COUCH AND ASSOCIATES, LLC. ALL RIGHTS RESERVED.



1084 Cromwell Avenue, Suite A-2  
Rocky Hill, CT 06067  
Telephone: (860) 436-4364  
Fax: (860) 436-4626  
[www.martinezcouch.com](http://www.martinezcouch.com)

PROJECT 1405  
9 DERBY AVENUE  
MILFORD, CONNECTICUT 06067

# ISSUED FOR BID NOT FOR CONSTRUCTION

MECHANICAL LEGEND		BUILDING UTILITY GENERAL NOTES		GENERAL NOTES		M.E.P. GENERAL NOTES																				
24/12 +	RECTANGULAR AIR DUCT UP, FIRST NUMBER IS DIMENSION SHOWN	2	RADIUS DUCTWORK ELBOW (CENTERLINE RADIUS 1.5xW)	1. PLAN REPRESENTATION OF BUILDING UTILITIES ARE SCHEMATIC IN NATURE.	1. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL MEASUREMENTS. ANY VARIATIONS FROM CONDITIONS SHOWN ARE TO BE BROUGHT TO THE ATTENTION OF THE DESIGN PROFESSIONAL AND/OR MARTINEZ COUCH AND ASSOCIATES PRIOR TO BIDDING FOR RESOLUTION IN ACCORDANCE WITH CONTRACT DOCUMENT REQUIREMENTS.	1. MECHANICAL AND PLUMBING PLANS ARE INTENDED TO PROVIDE INFORMATION FOR A COMPLETE FUNCTIONING MECHANICAL/PLUMBING SYSTEM. CONTRACTOR SHALL SUPPLY ALL MATERIALS, LABOR, AND EQUIPMENT REQUIRED FOR INTENDED INSTALLATION TO PRODUCE A QUALITY END PRODUCT MEETING OR EXCEEDING INDUSTRY STANDARDS.																				
RECTANGULAR SUPPLY AIR DUCT UP	RECTANGULAR TO ROUND BRANCH TAKEOFF	3	RECTANGULAR TO ROUND BRANCH TAKEOFF	2. ALL REQUIRED PERMITS ARE TO BE OBTAINED BY THE CONTRACTOR AT HIS EXPENSE.	2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INCLUDE ALL NEEDED PLATES, ANCHORS, AND HANGERS TO SUPPORT THE DESIGN INTENT UNDER THE BASE BID IN ACCORDANCE WITH CURRENT CODES AND REQUIREMENTS, OR AS SPECIFIED, WHICHEVER IS MORE STRINGENT.	2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INCLUDE ALL NEEDED PLATES, ANCHORS, AND HANGERS TO SUPPORT THE DESIGN INTENT UNDER THE BASE BID IN ACCORDANCE WITH CURRENT CODES AND REQUIREMENTS, OR AS SPECIFIED, WHICHEVER IS MORE STRINGENT.																				
RECTANGULAR SUPPLY AIR DUCT DOWN	CONTROL DAMPER, MANUAL	4	CONTROL DAMPER, MANUAL	3. ALL DIMENSIONS ARE TO THE OUTSIDE FACE OF THE NOTED ITEM UNLESS OTHERWISE NOTED.	3. ALL DIMENSIONS ARE TO THE OUTSIDE FACE OF THE NOTED ITEM UNLESS OTHERWISE NOTED.	3. INSTALLATION OF ALL EQUIPMENT COMPLY WITH MANUFACTURER REQUIREMENTS. CONTRACTOR SHALL FURNISH AND INSTALL REQUIRED CONTRACTOR WIRING AS REQUIRED BY MANUFACTURER.																				
RECTANGULAR RETURN AIR DUCT UP	CEILING SUPPLY AIR REGISTER	5	CEILING SUPPLY AIR REGISTER	4. WORK LIMITS SHALL BE AS NOTED. ALL ITEMS DISTURBED BY ANY AND ALL CONSTRUCTION ACTIVITIES SHALL BE RESTORED SUBSTANTIALLY TO THE CONDITION THEY EXISTED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, AND TO THE PROPERTY OWNER'S SATISFACTION.	4. WORK LIMITS SHALL BE AS NOTED. ALL ITEMS DISTURBED BY ANY AND ALL CONSTRUCTION ACTIVITIES SHALL BE RESTORED SUBSTANTIALLY TO THE CONDITION THEY EXISTED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, AND TO THE PROPERTY OWNER'S SATISFACTION.	4. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE 2018 STATE OF CONNECTICUT BUILDING CODE AND AS REQUIRED BY AUTHORITIES HAVING JURISDICTION.																				
RECTANGULAR RETURN AIR DUCT DOWN	SIDEWALL SUPPLY AIR REGISTER	6	SIDEWALL SUPPLY AIR REGISTER	5. THE LOCATIONS OF SITE UTILITIES ARE UNKNOWN. PRIOR TO COMMENCING ANY EXCAVATIONS, CONTRACTOR SHALL PLACE A "CALL BEFORE YOU DIG" (CBYD) REQUEST (PHONE: 1-800-922-4455). PROTECTION OF EXISTING UTILITIES IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AT HIS EXPENSE.	5. THE LOCATIONS OF SITE UTILITIES ARE UNKNOWN. PRIOR TO COMMENCING ANY EXCAVATIONS, CONTRACTOR SHALL PLACE A "CALL BEFORE YOU DIG" (CBYD) REQUEST (PHONE: 1-800-922-4455). PROTECTION OF EXISTING UTILITIES IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AT HIS EXPENSE.	5. MATERIALS AND EQUIPMENT TO BE INSTALLED PER MANUFACTURER REQUIREMENTS. WHERE REQUIREMENTS ARE NOT SPECIFIED, CONTRACTOR SHALL FURNISH AND INSTALL ALL PIPING AND FITTINGS TO MAKE THE CONNECTIONS AND SYSTEMS INTENDED BY THESE PLANS.																				
ROUND SUPPLY AIR DUCT UP	SIDEWALL RETURN AIR REGISTER			6. ANY SPECIAL REQUIREMENTS OR CONDITIONS OF UTILITY PROVIDERS FOR UTILITY SERVICE RECONNECTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.	6. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL ACTIVITY ON THE SUBJECT PROPERTY.	6. ROUND SUPPLY AIR DUCT UP IS SPECIFIED AS A 10" DIA. DUCT. THE ACTUAL ROUTING WILL BE COORDINATED IN FIELD BY CONTRACTOR TO ACCOMMODATE EXISTING CONDITIONS AND THE EXISTING STRUCTURE. CONTRACTOR SHALL FURNISH AND INSTALL ALL PIPING AND FITTINGS TO MAKE THE CONNECTIONS AND SYSTEMS INTENDED BY THESE PLANS.																				
ROUND SUPPLY AIR DUCT DOWN						7. GAS PIPING SHALL BE SCHEDULE 40 BLACK STEEL WITH MALLEABLE FITTINGS.																				
ROUND FRESH AIR/EXHAUST AIR DUCT DOWN/UP	SIDEWALL RETURN AIR REGISTER					8. PIPING SHALL BE SUPPORTED AND FASTENED WITH APPROPRIATE HANGERS, TIES, OR STRAPS; PIPING SHALL BE INSTALLED FREE OF SAGS AND DROOPS.																				
						9. FURNISH AND INSTALL ALL PLUMBING FIXTURES WITH ACCESSIBLE STOPS AND THERMOSTATIC MIXING VALVES AT ALL SHOWER FAUCETS.																				
						10. ALL CLEAUNOTS SHALL BE FULL SIZE OF PIPE UNLESS OTHERWISE NOTED.																				
						11. MAKE PROPER HOT AND COLD WATER, WASTE VENT, DRAIN, GAS, AND OTHER PIPING CONNECTIONS TO ALL FIXTURES AND EQUIPMENT.																				
						12. EQUIPMENT SHALL BE INSTALLED TO SATISFY SERVICING AND COMPLY WITH MANUFACTURER WRITTEN INSTRUCTIONS.																				
						13. CONTRACTOR SHALL PROVIDE THE OWNER WITH COMPLETE OPERATION AND MAINTENANCE DOCUMENTS AND TRAIN OWNER ON OPERATION OF SYSTEM.																				
						14. CUTTING AND PATCHING OF FINISH CONSTRUCTION TO BE COMPLETED AS REQUIRED FOR COMPLETE MECHANICAL AND PLUMBING INSTALLATION.																				
HEATING SYSTEM NOTES																										
<p>1. DUCT ROUTING ON PLANS IS SCHEMATIC AND FINAL ROUTING TO BE DETERMINED IN FIELD. THE MECHANICAL CONTRACTOR SHALL MAKE REQUIRED DUCT MODIFICATIONS TO ACCOMMODATE FIELD CONDITIONS WHICH WILL NOT BE CONSIDERED A CHANGE OF CONDITIONS.</p> <p>2. METAL DUCTING SHALL BE FABRICATED AND INSTALLED PER SMACNA "HVAC DUCT CONSTRUCTION AND INSTALLATION" STANDARDS. DUCTS WITH GALVANIZED METAL CONFORMING TO ASTM A 653, 26 GAUGE MINIMUM.</p> <p>3. RIGID ROUND OR RECTANGULAR DUCTING SHALL BE INSULATED WITH FIBERGLASS BLANKET INSULATION WITH FSK JACKET. JOINTS TO BE SEALED WITH 3 INCH WIDE UL LISTED METALIZED DUCT TAPE.</p> <p>4. FLEXIBLE DUCTING SHALL BE FACTORY INSULATED WITH METAL VAPOR BARRIER. DUCTS AND HOSES SECURED WITH MANUFACTURER APPROVED BANDING AND 3 INCH WIDE UL LISTED METALIZED DUCT TAPE MEETING REQUIREMENTS OF ASTM C 1136.</p> <p>5. FACTORY FABRICATED DUCTS SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL181.</p> <p>6. DUCT CONDUIT, BENDERS, AND FILTER BOXES SHALL BE TESTED FOR SEALING. TESTING WILL BE COMPLETED BY CONTRACTOR ACCORDING TO 2015 IRC, N110.3.3.</p> <p>7. SYSTEM SHALL BE TESTED AND BALANCED IN ACCORDANCE WITH SPECIFICATIONS.</p>																										
M.E.P. WORK NOTES																										
<p>1A REPLACE EXISTING SIDEWALL S.A. REGISTER WITH NEW TITUS 301FL, CONNECT TO EXISTING DUCTING. SEE PHOTO 2-5 ON SHEET A3</p> <p>1B NEW CEILING S.A. REGISTER, TITUS 301FL, CONNECT TO NEW DUCTING. SEE PHOTO 2-5 ON SHEET A3</p> <p>1C REPLACE EXISTING CEILING S.A. REGISTER WITH TITUS 301FL IN EXISTING LOCATION. RECONNECT EXISTING DUCT TO NEW BOOT. SEE PHOTO 2-5 ON SHEET A3</p> <p>2 NOT USED THIS SHEET</p> <p>3 NOT USED THIS SHEET</p> <p>4 REMOVE AND REINSTALL EXISTING S.A. FLEX DUCT TO BE REROUTED IN A MANNER TO ELIMINATE KINKS FOR PROPER AIR FLOW. SEE PHOTO 8 ON SHEET A3</p> <p>5 REMOVE EXISTING HVAC TAPE WITHOUT DAMAGING EXISTING DUCT INSULATION. RESEAL EXISTING DUCT CONNECTION WITH NEW HVAC DUCT TAPE FOR PROPER AIR FLOW. SEE PHOTO 9 ON SHEET A3</p> <p>6 REMOVE EXISTING HVAC SHEET METAL DUCTING. SEE PHOTO 6 ON SHEET A3</p> <p>6A FURNISH AND INSTALL NEW 6"Ø SHEET METAL DUCT FROM MAINLINE SUPPLY DUCT DOWN TO FIRST FLOOR LAUNDRY ROOM, INSULATE IN ATTIC; SEAL NEW SHEET METAL DUCT CONNECTION(S). SEE PHOTO 4 ON SHEET A3 FOR FINAL TERMINATION POINT OF DUCT</p> <p>7 PATCH NEW END OF EXISTING SHEET METAL DUCTING; INSULATE AND SEAL.</p> <p>8 REMOVE EXISTING SUPPLY REGISTER, PATCH EXISTING SUPPLY DUCT, SEAL DUCT PATCH, AND INSULATE. SEE PHOTO 1 ON SHEET A3</p> <p>9 REMOVE AND REINSTALL EXISTING HEAT TRACE CABLE AND INSULATION ON CONDENSATE DRAIN LINE; HEAT TRACE AND INSULATE ENTIRE RUN OF CONDENSATE DRAIN LINE FROM EQUIPMENT TO CHASE DOWN TO FIRST FLOOR</p> <p>10 INSTALL DUCT SIZE VOLUME CONTROL DAMPER IN EXISTING DUCTING. CUT AND PATCH EXISTING DUCTING AS REQUIRED, SEAL AND REINSULATE</p>																										
SECOND FLOOR PLAN																										
<p>NOTES:</p> <p>1. ALL INTERIOR AND EXTERIOR FINISHES DISTURBED BY CONTRACTOR SHALL BE PATCHED AND PAINTED TO MATCH EXSITING AND ADJACENT FINISHES.</p> <p>2. THE OWNER SHALL BE RESPONSIBLE FOR MOVING POSSESSIONS IN WORK AREA</p> <p>3. DRAWING REFERENCE 'FLOOR PLANS, A-100, DATED 4/22/2016' BY DTC</p> <p>0 2' 4' 8' 1/4" = 1'-0"</p>																										
ATTIC FLOOR PLAN																										
<p>NOTES:</p> <p>1. ALL INTERIOR AND EXTERIOR FINISHES DISTURBED BY CONTRACTOR SHALL BE PATCHED AND PAINTED TO MATCH EXSITING AND ADJACENT FINISHES.</p> <p>2. THE OWNER SHALL BE RESPONSIBLE FOR MOVING POSSESSIONS IN WORK AREA</p> <p>3. DRAWING REFERENCE 'MECHANICAL FLOOR PLANS, A-100, DATED 4/22/2016' BY DTC</p> <p>0 2' 4' 8' 1/4" = 1'-0"</p>																										
THIS MAP IS A COPYRIGHTED WORK OF MARTINEZ COUCH AND ASSOCIATES, LLC. ALL RIGHTS RESERVED.																										
<p>1084 Cromwell Avenue, Suite A-2 Rocky Hill, CT 06067 Telephone: (860) 436-4364 Fax: (860) 436-4626 www.martinezcouch.com</p>		<p>PROJECT 1405 9 DERBY AVENUE MILFORD, CONNECTICUT 06067</p> <p>ISSUED FOR BID NOT FOR CONSTRUCTION</p>		<table border="1"> <tr> <td>1</td><td>1/20/2021</td><td>ISSUED FOR BIDDING</td><td>MBR</td><td>MBR</td><td>REC</td></tr> <tr> <td>NO.</td><td>DATE</td><td>REVISIONS</td><td>BY</td><td>CHK</td><td>APPV</td></tr> <tr> <td>DRAWN: RTC</td><td>CHECKED: MBR</td><td>APPROVED: REC</td><td>SCALE: AS NOTED</td><td colspan="2">DATE: 12/2020</td></tr> </table>				1	1/20/2021	ISSUED FOR BIDDING	MBR	MBR	REC	NO.	DATE	REVISIONS	BY	CHK	APPV	DRAWN: RTC	CHECKED: MBR	APPROVED: REC	SCALE: AS NOTED	DATE: 12/2020		M.E.P. PLAN - 2
1	1/20/2021	ISSUED FOR BIDDING	MBR	MBR	REC																					
NO.	DATE	REVISIONS	BY	CHK	APPV																					
DRAWN: RTC	CHECKED: MBR	APPROVED: REC	SCALE: AS NOTED	DATE: 12/2020																						
				<table border="1"> <tr> <td>JOB NO.</td><td>DRAWING NUMBER</td><td colspan="2">SHEET</td></tr> <tr> <td>33-262-1405</td><td>33-262-1405.dwg</td><td colspan="2">MP-2.0</td></tr> </table>				JOB NO.	DRAWING NUMBER	SHEET		33-262-1405	33-262-1405.dwg	MP-2.0												
JOB NO.	DRAWING NUMBER	SHEET																								
33-262-1405	33-262-1405.dwg	MP-2.0																								

## M.E.P. GENERAL NOTES

- ALL PHOTOS SHOWN ARE PROVIDED FOR A VISUAL REPRESENTATION OF TYPICAL SCOPE OF WORK ITEMS BASED ON EXISTING CONDITIONS.
- THE CONTRACTOR'S SCOPE OF WORK IS LIMITED TO THE SIZE OF WORK BASED ON THE PROVIDED PHOTOS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETION OF ALL WORK NOTES AS INDICATED IN THE COMPLETE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ALL INTERIOR AND EXTERIOR FINISHES DISTURBED BY CONTRACTOR. ALL FINISHES SHALL BE PATCHED AND PAINTED TO MATCH EXISTING AND ADJACENT FINISHES.
- THE OWNER SHALL BE RESPONSIBLE FOR MOVING POSSESSIONS IN WORK AREA. LARGE FURNITURE WILL BE EITHER MOVED BY THE CONTRACTOR OR PROTECTED IN PLACE.
- MECHANICAL AND PLUMBING PLANS ARE INTENDED TO PROVIDE INFORMATION FOR A COMPLETE FUNCTIONING MECHANICAL/PLUMBING SYSTEM. CONTRACTOR SHALL SUPPLY ALL MATERIALS, LABOR, AND EQUIPMENT REQUIRED FOR INTENDED INSTALLATION TO PRODUCE A QUALITY END PRODUCT MEETING OR EXCEEDING INDUSTRY STANDARDS.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INCLUDE ALL NEEDED PIPING, FITTINGS, AND EQUIPMENT TO ACCOMMODATE THE DESIGN INTENT UNDER THE BASE BID IN ACCORDANCE WITH CURRENT CODES AND REQUIREMENTS, OR AS SPECIFIED, WHICHEVER IS MORE STRINGENT.
- INSTALLATION OF ALL EQUIPMENT COMPLY WITH MANUFACTURER REQUIREMENTS. CONTRACTOR SHALL FURNISH AND INSTALL REQUIRED CONTRACTOR WIRING AS REQUIRED BY MANUFACTURER.
- ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE 2018 STATE OF CONNECTICUT BUILDING CODE AND AS REQUIRED BY AUTHORITIES HAVING JURISDICTION.
- MATERIALS AND EQUIPMENT TO BE INSTALLED PER MANUFACTURER REQUIREMENTS. WHERE REQUIREMENTS ARE NOT SPECIFIED, ACTUAL ROUTING WILL BE COORDINATED IN FIELD BY CONTRACTOR TO ACCOMMODATE EXISTING CONDITIONS AND THE EXISTING STRUCTURE. CONTRACTOR SHALL FURNISH AND INSTALL ALL PIPING AND FITTINGS TO MAKE THE CONNECTIONS AND SYSTEMS INTENDED BY THESE PLANS.
- Gas piping shall be schedule 40 black steel with malleable fittings.
- Piping shall be supported and fastened with appropriate hangers, ties, or straps; piping shall be installed free of sags and droops.
- Furnish and install all plumbing fixtures with accessible stops and thermostatic mixing valves at all shower faucets.
- All cleanouts shall be full size of pipe unless otherwise noted.
- Make proper hot and cold water, waste vent, drain, gas, and other piping connections to all fixtures and equipment.
- Equipment shall be connected to facilitate servicing and comply with manufacturer written instructions.
- Contractor shall provide the owner with complete operation and maintenance documents and train owner on operation of system.
- Cutting and patching of finish construction to be completed as required for complete mechanical and plumbing installation.

## HEATING SYSTEM NOTES

- DUCT ROUTING ON PLANS IS SCHEMATIC AND FINAL ROUTING TO BE DETERMINED IN FIELD; THE MECHANICAL CONTRACTOR SHALL MAKE REQUIRED DUCT MODIFICATIONS TO ACCOMMODATE FIELD CONDITIONS WHICH WILL NOT BE CONSIDERED A CHANGE OF CONDITIONS.
- METAL DUCTING SHALL BE FABRICATED AND INSTALLED PER SMACNA "HVAC DUCT CONSTRUCTION AND INSTALLATION" STANDARDS. DUCTS SHALL BE GALVANIZED METAL CONFORMING TO ASTM A 653, 26 GAUGE MINIMUM.
- RIGID ROUND OR RECTANGULAR DUCTING SHALL BE INSULATED WITH FIBERGLASS BLANKET INSULATION WITH FSK JACKET. JOINTS TO BE SEALED WITH 3 INCH WIDE UL LISTED METALIZED DUCT TAPE.
- FLEXIBLE DUCTING SHALL BE FACTORY INSULATED WITH METAL VAPOR BARRIER. DUCTS SHALL BE SECURED WITH MANUFACTURER APPROVED BANDING AND 3 INCH WIDE UL LISTED METALIZED DUCT TAPE MEETING REQUIREMENTS OF ASTM C 1136.
- FACTORY FABRICATED DUCTS SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL181.
- DUCTS, BENDERS, AND FILTER BOXES SHALL BE TESTED FOR SEALING. TESTING WILL BE COMPLETED BY CONTRACTOR ACCORDING TO 2015 IFC N1103.3.3.
- SYSTEM SHALL BE TESTED AND BALANCED IN ACCORDANCE WITH SPECIFICATIONS.

## M.E.P. WORK NOTES

- [1A] REPLACE EXISTING SIDEWALL S.A. REGISTER WITH NEW TITUS 301FL. CONNECT TO NEW OR EXISTING DUCTING. SEE PHOTO 2-5 ON SHEET A3
- [1B] NEW CEILING S.A. REGISTER, TITUS 301FL, CONNECT TO NEW DUCTING. SEE PHOTO 2-5 ON SHEET A3
- [1C] REPLACE EXISTING CEILING S.A. REGISTER WITH TITUS 301FL IN EXISTING LOCATION. RECONNECT EXISTING FLEX DUCT TO NEW BOOT. SEE PHOTO 2-5 ON SHEET A3
- [2] FURNISH AND INSTALL NEW MECHANICAL CONDENSATE DRAIN PIPE FROM CEILING MAIN DRAIN LINE. HEAT TRACE ENTIRE CONDENSATE DRAIN LINE. INSULATE. ADJUST LEVEL STORAGE AREA. FURNISH AND INSTALL ELECTRICAL OUTLET AS REQUIRED FOR NEW HEAT TRACE CABLE. SEE PHOTO 10 ON SHEET A3.
- [3] REMOVE EXISTING HVAC DUCT. FURNISH AND INSTALL NEW 12X8 SHEET METAL DUCT IN BATHROOM CEILING AND CONNECT TO NEW S.A. REGISTERS AS INDICATED ON PLAN. SEE PHOTO 7 ON SHEET A3
- [4] REMOVE AND REINSTALL EXISTING S.A. FLEX DUCT TO BE REROUTED IN A MANNER TO ELIMINATE KINKS FOR PROPER AIR FLOW. SEE PHOTO 8 ON SHEET A3
- [5] REMOVE EXISTING HVAC TAPE WITHOUT DAMAGING EXISTING DUCT INSULATION. RESEAL EXISTING DUCT CONNECTION WITH NEW HVAC DUCT TAPE FOR PROPER AIR SEAL. SEE PHOTO 9 ON SHEET A3
- [6] REMOVE EXISTING HVAC SHEET METAL DUCTING. SEE PHOTO 6 ON SHEET A3
- [6A] FURNISH AND INSTALL NEW 6"Ø SHEET METAL DUCT FROM MAINLINE SUPPLY DUCT DOWN TO FIRST FLOOR LAUNDRY ROOM; SEAL NEW SHEET METAL DUCT CONNECTION. SEE PHOTO 4 ON SHEET A3
- [7] PATCH NEW END OF EXISTING SHEET METAL DUCTING; INSULATE AND SEAL.
- [8] REMOVE EXISTING SUPPLY REGISTER. PATCH EXISTING SUPPLY DUCT, SEAL DUCT PATCH, AND INSULATE. SEE PHOTO 1 ON SHEET A3
- [9] REMOVE AND REINSTALL EXISTING HEAT TRACE CABLE AND INSULATION ON CONDENSATE DRAIN LINE. HEAT TRACE AND INSULATE ENTIRE RUN OF CONDENSATE DRAIN LINE FROM EQUIPMENT TO CHASE DOWN TO FIRST FLOOR
- [10] INSTALL DUCT SIZE VOLUME CONTROL DAMPER IN EXISTING DUCTING. CUT AND PATCH EXISTING DUCTING AS REQUIRED, SEAL AND REINSULATE

### DIFFUSER, GRILLE, AND REGISTER SCHEDULE

TYPE	MANUFACTURER	MODEL	NECK SIZE (INCH)	FACE SIZE (INCH)	MAXIMUM AIRFLOW (CFM)	MAX NC	DESCRIPTION	REMARKS
CDS-1	TITUS	301 FL	12X6	12X6	250	20	CEILING SUPPLY REGISTER	NOTE 1
SWS-1	TITUS	301 FL	12X6	12X6	250	20	SIDEWALL SUPPLY REGISTER	NOTE 1
CDR-1	TITUS	301 FL	24X20	24X20	1500	20	CEILING RETURN GRILLE	NOTE 1

#### DIFFUSER, GRILLE, AND REGISTER SCHEDULE REMARKS

##### NOTE 1: PROVIDE OPPOSED BLADE DAMPER

##### DIFFUSER, GRILLE, AND REGISTER SCHEDULE GENERAL COMMENTS

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

## M.E.P. PLAN - 3

3	DATE3	REV3	BY3	CHK3 APPV3
2	DATE2	REV2	BY2	CHK2 APPV2
1	1/20/2021	ISSUED FOR BIDDING	MBR	REC
NO.	DATE	REVISIONS	BY	CHK APPV
DRAWN: RTC	CHECKED: MBR	APPROVED: REC	SCALE: 1/4" = 1'-0"	DATE: 12/2020

JOB NO. DRAWING NUMBER SHEET

33-262-1405 33-262-1405.dwg MP-3.0