NEW DISPATCH CENTER FOR THE

WEST HARTFORD POLICE

103 RAYMOND ROAD *WEST HARTFORD, CONNECTICUT*

APRIL 22, 2016

LIST OF DRAWINGS:

TITLE SHEET

CODE DRAWINGS

R-1 CODE PLAN AND CODE INFORMATION

ARCHITECTURAL DRAWINGS

A-0 ARCHITECTURAL GENERAL NOTES
A-1 FIRST FLOOR DEMO PLAN FLOOR PLAN AND REFLECTED CEILING PLAN
A-2 SECOND FLOOR DEMO PLAN FLOOR PLAN AND REFLECTED CEILING PLAN
A-3 THIRD FLOOR DEMO PLAN AND PARTIAL ROOF PLAN
A-4 MISC. DETAILS

FINISH DRAWINGS

F-1 FINISH FLOOR PLAN & SCHEDULE

MECHANICAL DRAWINGS

M-1 SECOND FLOOR DEMOLITION PLANS PIPING & DUCTWORK
M-2 SECOND FLOOR PLAN MECHANICAL
M-3 SECOND FLOOR PIPING PLAN MECHANICAL
M-4 ABBREVIATIONS,GENERAL NOTES, DETAILS AND SCHEDULES MECHANICAL

PLUMBING DRAWINGS

P-1 SECOND AND THIRD FLOOR PLANS PLUMBING

FIRE PROTECTION DRAWINGS

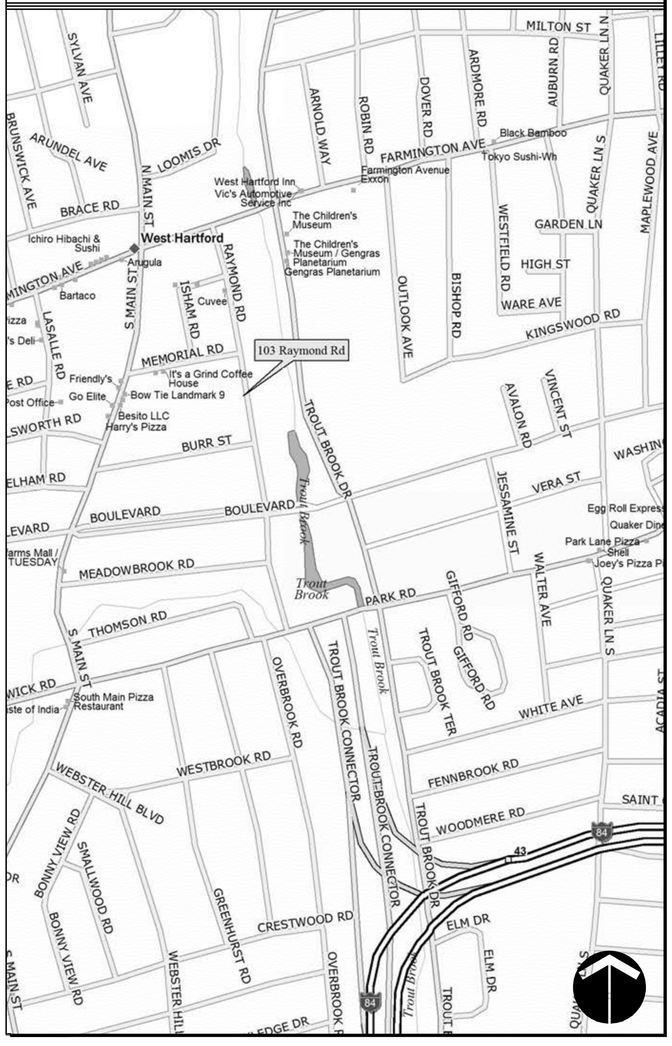
FP-1 SECOND FLOOR PLAN FIRE PROTECTION

ELECTRICAL DRAWINGS

E-1 SECOND FLOOR DEMOLITION PLANS POWER & LIGHTING
E-2 FIRST FLOOR PLAN ELECTRIC POWER
E-3 SECOND FLOOR PLAN ELECTRICAL POWER/COMMUNICATIONS
E-4 FIRST FLOOR PLAN HALO GROUND
E-5 SECOND FLOOR PLAN HALO GROUND
E-6 DETAILS & DIAGRAMS ELECTRICAL
E-7 PANEL SCHEDULES ELECTRICAL

EL-1 SECOND FLOOR PLAN ELECTRIC LIGHTING

LOCATION MAP:



ARCHITECT:

JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE, SUITE 101
BERLIN, CONNECTICUT 06037
TEL 860-828-9221 FAX 860-828-9223

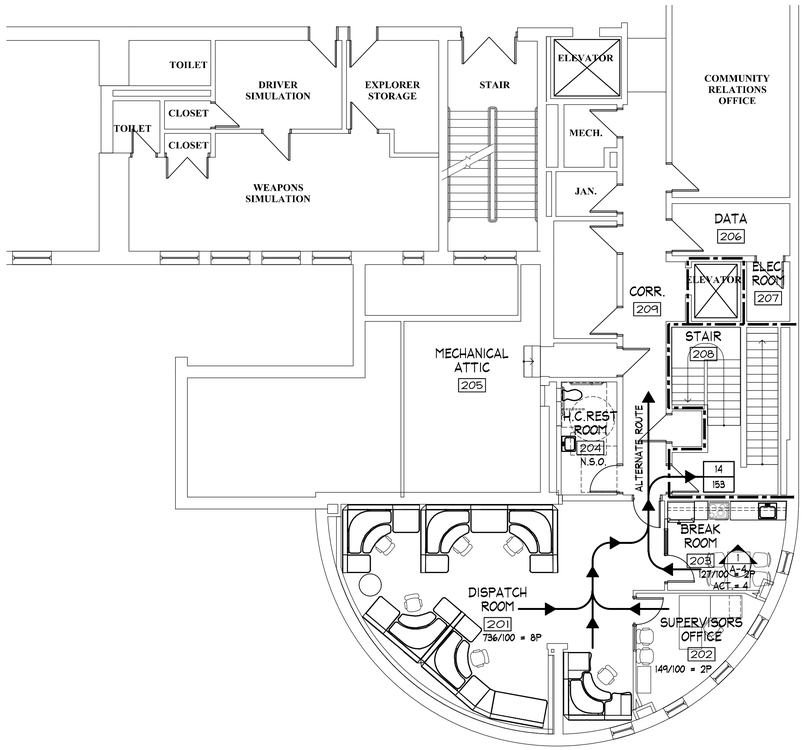
CONSULTANTS:

M / E / P Engineers

M/E Design Associates, Inc.
Division of the Salamone Group
116 North Plains Industrial Road
Wallingford, CT 06492
tel: (203) 271-3787
fax: (203) 271-2886

Interior Designer:

4D Design & Decorating
11 Dale Street
West Hartford, CT 06119
tel: (860) 716-2363



1 **SECOND FLOOR CODE PLAN**
SCALE: 1/8" = 1'-0"

BUILDING CODE INFORMATION

BELOW EXISTING BUILDING INFORMATION COPIED FROM PERMITTED AS-BUILT CONSTRUCTION DOCUMENTS NAMED "ADDITIONS AND RENOVATIONS TO WEST HARTFORD POLICE DEPARTMENT" AND DATED JULY 14, 2006 REFERENCING DRAWINGS R1.01R AND R1.02R

DATE OF ORIGINAL CONSTRUCTION - 1910

DATE OF ADDITIONS - 1954, 1978, 1996

1.0 GROUP CLASSIFICATION (CHAPTER 3):

(PRIMARY USE) — B - BUSINESS

(SECONDARY USE) — I-3 - INSTITUTIONAL

2.0 CONSTRUCTION TYPE (CHAPTER 6):

EXISTING/PROVIDED : — II B & III B

3.0 BUILDING HEIGHT (CHAPTER 5):

ACTUAL EXISTING HEIGHT	3 STORIES / 46'-6"
EXISTING STORIES ABOVE GRADE	3 STORIES

4.0 BUILDING AREA (CHAPTER 5):

A) EXISTING BUILDING AREAS:

BUILDING AREAS:	EXISTING	PROPOSED
USE GROUP B	48,100 S.F.	48,100 S.F.
USE GROUP I-3	4,112 S.F.	4,112 S.F.
TOTAL	52,212 S.F.	52,212 S.F.

5.0 FIRE RESISTANCE RATED REQUIREMENTS FOR BUILDING ELEMENTS (TABLE 601):

CONSTRUCTION TYPE - III B

1) STRUCTURAL FRAME	0	Hr(s)
2) BEARING WALLS - EXTERIOR	2	Hr(s)
- INTERIOR	0	Hr(s)
3) NONBEARING WALLS AND PARTITIONS - EXTERIOR	0 Hrs	Table 602
4) NONBEARING WALLS AND PARTITIONS - INTERIOR	0	Hr(s)
5) FLOOR CONSTRUCTION	0	Hr(s)
6) ROOF CONSTRUCTION	0	Hr(s)

6.0 MODIFICATIONS: NONE

7.0 ACCESSIBLE BUILDING: ☑ DESIGNATED ☐ NON-DESIGNATED

8.0 SPRINKLER PROTECTION: ☑ THROUGHOUT ENTIRE BUILDING ☐ LIMITED AREA

9.0 CODES TO WHICH THIS PROJECT WAS DESIGNED:

INTERNATIONAL BUILDING CODE WITH 2016 CT SUPPLEMENT	2012
INTERNATIONAL EXISTING BUILDING CODE WITH 2016 CT SUPPLEMENT	2012
STATE FIRE SAFETY CODE	2016
STATE HEALTH CODE	2005
OSHA-TITLE 29/LABOR	LATEST
SECTION 504	1973
ADA (ICC/ANSI A117.1)	2003
INTERNATIONAL PLUMBING CODE WITH 2016 CT AMENDMENTS	2012
INTERNATIONAL MECHANICAL CODE WITH 2016 CT AMENDMENTS	2012
NFPA-70 NATIONAL ELECTRICAL CODE WITH 2016 CT AMENDMENTS	2014
INTERNATIONAL ENERGY CONSERVATION CODE WITH 2016 CT AMENDMENTS	2012

CODE REFERENCE PLAN LEGEND

875/20N = 43P — ROOM OCCUPANCY LOAD AREA IN S.F./OCC. LOAD FACTOR = OCC. LOAD

N.S.O. — NON SIMULTANEOUS OCCUPANCY

EXIT CAPACITY:
30 — ACTUAL EGRESS OCCUPANCY
165 — MAXIMUM ALLOWABLE EGRESS OCCUPANCY

195 → DIRECTION OF TRAVEL WITH ACCUMULATED OCCUPANCY LOAD

- - - - - → MAXIMUM TRAVEL DISTANCE FROM FARTHEST POINT

▪▪▪▪▪▪ SMOKE BARRIER RATED CONSTRUCTION AS DEFINED BY BUILDING CODE

—·—·— 1 HOUR FIRE BARRIER AS DEFINED BY BUILDING CODE

HANDICAP ACCESSIBLE AREA OR EXIT

F.E. A — FIRE EXTINGUISHER ON WALL MOUNTED BRACKET (TYPE: 2-A:10-B:C). REFERENCE DETAIL 8 ON SHEET A-5 FOR MOUNTING AND ADDITIONAL REQUIREMENTS.

EARTHQUAKE (SEISMIC) DESIGN DATA:

USE: POLICE DEPARTMENT
ADDRESS: 103 RAYMOND ROAD, WEST HARTFORD, CT

VALUES DERIVED FROM: 2003 IBC WITH 2005 CT SUPPLEMENT

TABLE 1604.5, BUILDING CATEGORY: IV
TABLE 1604.5, SEISMIC IMPORTANCE FACTOR: 1.50
TABLE 1615.1.5, SEISMIC SITE CLASSIFICATION: D
SECTION 1616.2, SEISMIC USE GROUP: III
TABLE 1616.3(1), SEISMIC DESIGN CATEGORY: C

NEW DISPATCH CENTER
FOR THE
WEST HARTFORD POLICE
103 RAYMOND ROAD — WEST HARTFORD, CONNECTICUT

JHI
JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

CODE PLAN AND CODE INFORMATION

PROJ. NO.	DRAWING NO.
JH1406	R-1
SCALE: 1/8" = 1'-0"	
DATE: APR. 22, 2016	

WALL NOTES

1. AT ALL NON-RATED PARTITIONS, FILL ALL VOIDS INCLUDING METAL DECK FLUTES WHERE PARTITIONS MEET THE STRUCTURE ABOVE WITH BATT INSULATION.
2. AT ALL NON-RATED PARTITIONS, FILL ALL VOIDS BETWEEN PIPES, ELECTRICAL CONDUIT, DUCTWORK, ETC. WHERE THEY PENETRATE WALLS WITH BATT INSULATION.
3. EXTEND ALL METAL STUD PARTITIONS TO THE UNDERSIDE OF DECK/ STRUCTURE, UNLESS OTHERWISE NOTED.

GENERAL NOTES

1. CONTRACTOR TO TAKE AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB AND SHALL BE HELD RESPONSIBLE FOR THE SAME.
2. ALL NOTES AND DIMENSIONS DESIGNATED AS TYPICAL APPLY TO ALL SIMILAR CONDITIONS THROUGHOUT THE PROJECT.
3. ALL DIMENSIONS ARE TO FACE OF MASONRY, FACE OF METAL STUD AND CENTERLINE OF STRUCTURAL STEEL COLUMNS UNLESS OTHERWISE NOTED.
4. ROOFING CONTRACTOR TO VERIFY QUANTITY AND LOCATION OF ROOF PENETRATIONS, AND TO FLASH ACCORDING TO MANUFACTURERS' SPECIFICATIONS.
5. ALL DOOR FRAME EDGES SHALL BE LOCATED 4" FROM WALL INTERSECTIONS UNLESS OTHERWISE NOTED.
6. THE REQUIREMENTS FOR SEISMIC LOADS HAVE BEEN INCORPORATED INTO THE DESIGN OF THE STRUCTURAL, MECHANICAL AND SUSPENDED CEILING SYSTEMS AS REQUIRED FOR THE NEW CONSTRUCTION.
7. ELECTRICAL CONTRACTOR TO COORDINATE PLACEMENT OF ELEC./ DATA OUTLETS AND SWITCHES WITH THE LOCATION OF CASEWORK. REFER TO CASEWORK DRAWINGS AND ELECTRICAL DRAWINGS.
8. ALL SPRINKLER PIPING TO BE LOCATED ABOVE FINISH CEILING UNLESS OTHERWISE NOTED.
9. SPRINKLER HEADS SHALL BE LOCATED IN THE CENTER OF CEILING PADS.
10. METAL STUD CONTRACTOR TO PROVIDE AND COORDINATE PLACEMENT OF METAL STUD SLIP TRACKS AT ALL STUD WALLS BUILT ON TOP OF OR UNDER STRUCTURAL STEEL BRACING FRAMES, TYPICAL.
11. PROVIDE AN ALUMINUM DIVIDER STRIP AT ALL DOOR THRESHOLDS WHERE TWO DIFFERENT FINISHES MEET UNLESS OTHERWISE NOTED.
12. METAL STUD CONTRACTOR TO PROVIDE AND COORDINATE PLACEMENT AND BLOCKING FOR ALL WALL MOUNTED ELEMENTS ON METAL STUD WALL CONSTRUCTION, TYPICAL.

KEY FOR TYPES

F = FLOOR
- C = POURED IN PLACE CONCRETE
- D = METAL DECK
- F = FIRE RATED
- P = PRECAST CONCRETE PLANK

W = WALL
- A = ATTENUATION INSULATION
- B = BLOCK (CONCRETE MASONRY UNIT)
- F = FIRE RATED
- G = GYPSUM BOARD
- I = INSULATION
- W = WINDOW WALL
- R = BULLET RESISTANT

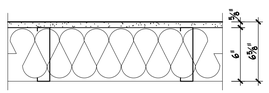
C = CEILING
- A = ACOUSTICAL CEILING PANEL
- G = GYPSUM BOARD
- M = METAL DECK

ABBREVIATIONS

ABOVE FINISH FLOOR	A.F.F.	INCH OR INCHES	IN.
ACOUSTIC, ACOUSTICAL	AC	INCLUDE, INCLUDING	INCL.
ACOUSTICAL TILE	AC.T.	INFORMATION	INFO.
ADDITION	ADDN	INSIDE DIAMETER	I.D.
AIR CONDITIONING	A/C	INSULATION	INSUL.
AIR HANDLING UNIT	A.H.U.	INTERIOR	INT.
ALTERNATE	ALT		
ALUMINUM	ALUM.	KICK PLATE	K.P.
ALUMINUM FRAME	ALF.		
ANCHOR, ANCHORAGE	ANCH	LABORATORY	LAB
ANCHOR BOLTS	AB	LAVATORY	LAV.
AND	&	LIGHTING	LTG.
ANGLE	L	LOCKER, LOCKERS	LKR./LKRS.
ANODIZED	ANOD.		
APPROVED	APPR.	MACHINE	MACH.
ARCHITECT, ARCHITECTURAL	ARCH.	MAINTENANCE	MAINT.
ASBESTOS	ASB.	MANUFACTURER	MFR.
ASPHALT	ASPH.	MARKER BOARD	M.BD.
ASSEMBLY	ASSY	MASONRY	MAS.
ASSISTANT	ASST	MASONRY OPENING	M.O.
AT	@	MATERIAL	MAT.
AUTOMATIC	AUTO	MAXIMUM	MAX.
		MECHANICAL	MECH.
BEAM	BM	METAL	MET./MTL.
BEARING	BRG	MEZZANINE	MEZZ.
BETWEEN	BET	MINIMUM	MIN.
BEVEL, BEVELED	BEV.	MISCELLANEOUS	MISC.
BITUMINOUS	BIT.	MOUNTED	MTD.
BLOCK	BLK		
BLOCKING	BLKG.	NORTH	N
BOARD	BD.	NOT IN CONTRACT	N.I.C.
BOTTOM	BOTT.	NOT IN SCOPE	N.I.S.
BOTTOM OF	B.O.	NOT TO SCALE	N.T.S.
BRICK EXPANSION JOINT	B.E.J.	NUMBER	NO.
BUILDING	BLDG.		
BUILT UP ROOFING	B.U.R.	OFFICE	OFF.
		ON CENTER	O.C.
CABINET	CAB.	OPPOSITE HAND	O.H.
CABINET UNIT HEATER	C.U.H.	OUTSIDE DIAMETER	O.D.
CAPACITY	CAP.		
CEILING	CLG.	PAINTED	PTD.
CEILING HEIGHT	CLG.HT.	PAIR	PR.
CEMENT	CEM.	PAPER TOWEL DISPENSER	P.T.D.
CENTER	CTR.	PASSAGE	PASS.
CENTERLINE	CL	PERPENDICULAR	PERP.
CERAMIC TILE	CER.T.	PLASTER	PLAS.
CHALKBOARD	C. BD.	PLASTIC LAMINATE	PLAM.
CHANNEL	C	PLATE	PL.
CLOSET	CLO.	PLUMBING	PLUMB.
COLUMN	COL.	PLYWOOD	PLYWD
CONCRETE	CONC.	POLYVINYLCHLORIDE	PVC
CONFERENCE	CONF.	PRECAST	PC
CONTROL JOINT	C.J	PRECAST EXPANSION JOINT	P.E.J.
CONTINUOUS	CONT.	PREFABRICATED	PREFAB.
CONTRACTOR	CONTR.		
CORNER GUARD	C.G.	QUANTITY	QTY.
CORRIDOR	CORR.	QUARRY TILE	Q.T.
COURSE, COURSES	CRS.		
		RADIUS	R/RAD.
DAMPROOFING	DMPFG.	RAIN WATER CONDUCTOR	RWC
DEGREE	DEG.	RAIN WATER LEADER	RWL
DEMOLITION	DEMO.	RECEIVING	RECV.
DEPARTMENT	DEPT.	REFRIGERATOR	REFR.
DETAIL	DET./DTL.	REINFORCE	REINF.
DIAMETER	DIA.	REQUIRE(D)	REQ./REQ'D.
DIMENSION	DIM.	REVISED, REVISION	REV.
DISTANCE	DIST.	RISER	R
DOOR	DR	ROOF DRAIN	R.D.
DOUBLE	DBL.	ROOM	RM.
DOUBLE HUNG	D.H.	ROBE HOOK	R.H.
DOWN	DN		
DOWNSPOUT	D.S.	SANITARY NAPKIN DISPOSAL	S.N.D.
DRAWING	DWG	SANITARY NAPKIN VENDING MACHINE	S.N.V.M.
DRINKING FOUNTAIN	D.F.	SCHEDULE	SCHED.
		SCUPPER	SC.
EACH	EA.	SECTION	SECT.
ELECTRIC, ELECTRICAL	ELEC.	SEISMIC JOINT	S.J.
ELECTRIC WATER COOLER	EWC	SHEET	SHT
ELEVATION	EL.	SIMILAR	SIM.
ELEVATOR	ELEV.	SOAP DISPENSER	S.D.
EMERGENCY	EMERG.	SOUND TRANSMISSION CLASS	S.T.C.
EQUAL	EQ.	SPECIFICATIONS	SPEC.
EQUIPMENT	EQUIP.	SPLASH BLOCK	S.B.
EXISTING	EXIST.	SQUARE	SQ.
EXISTING TO REMAIN	E.T.R.	SQUARE FEET	S.F.
EXPANSION	EXP.	STAINLESS STEEL	S.S.
EXPANSION JOINT	E.J.	STANDARD	STD
EXTERIOR	EXT.	STEEL	STL.
EXTERIOR FINISH INSULATION SYSTEM	E.I.F.S.	STORAGE	STOR.
		STRUCTURAL	STRUCT.
		STRUCTURAL STEEL	S.STL.
FEET, FOOT	FT	SUSPEND, SUSPENSION	SUSP.
FIBER REINFORCED GYPSUM PANELS	F.R.G.P.	SWING-UP GRAB BAR	S.G.B.
FINISH, FINISHED	FIN.	TACKBOARD	T.BD.
FIRE EXTINGUISHER	F.E.	THROUGH	THRU
FIRE RETARDANT	F.R.	TOILET PAPER DISPENSER	T.P.D.
FIREPROOFING	FPRFG.	TOUNGE AND GROOVE	T&G
FIXTURE	FIXT.	TOP OF	T.O.
FLASHING	FLASH.	TREAD	T.
FLOOR	FLR	TYPICAL	TYP.
FLOOR DRAIN	F.D.		
FLOOR FINISH	FLR. FIN.	UNDERWRITER'S LABORATORY INCORPORATED	UL.
FOOTING	FTG.	UNIT HEATER	U.H.
FOUNDATION	FDN	UNIT VENTILATOR	U.V.
FURNISH, FURNISHED	FURN.	UNLESS OTHERWISE NOTED	U.O.N.
FURRED, FURRING	FURR.	URINAL	U./UR.
GAUGE	GA.	VENT THROUGH ROOF	VTR
GALVANIZED	GALV.	VERIFY IN FIELD	V.I.F.
GLAZING	GLAZ.	VESTIBULE	VEST.
GRAB BAR	G.B.	VINYL COMPOSITION TILE	VCT
GYPSUM WALLBOARD	GYP. BD.		
		WATER CLOSET	W.C.
HANDRAIL	H.R.	WATERPROOFING	WP.
HANDICAPPED	H.C.	WELDED WIRE FABRIC	W.W.F.
HEIGHT	HGT	WHITE BOARD	W.BD.
HIGH POINT	H.P.	WINDOW	WIN.
HOLLOW METAL	H.M.	WITH	W/
HOLLOW METAL FRAME	H.M.F.	WOOD	WD
HORIZONTAL	HORIZ.		
HOSE BIBB	H.B.		

WALL TYPES

GA-SERIES
GYPSUM BOARD (METAL STUD), ATTENUATION



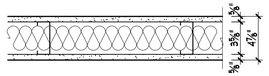
W GA-1

5/8" GYPSUM BOARD, 6" METAL STUDS AT 16" O.C., 6" UN-FACED FIBERGLASS BATT INSULATION.

TOTAL THICKNESS: 6 5/8".

TOTAL HEIGHT: FROM FLOOR TO UNDERSIDE OF FLOOR DECK OR BOTTOM OF ROOF TRUSSES.

ACOUSTICAL RATING: STC ?.



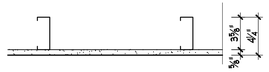
W GA-2

5/8" GYPSUM BOARD, 3 5/8" METAL STUDS AT 16" O.C., 3½" UN-FACED FIBERGLASS BATT INSULATION, 5/8" GYPSUM BOARD.

TOTAL THICKNESS: 4 7/8".

TOTAL HEIGHT: FROM FLOOR TO UNDERSIDE OF FLOOR DECK OR BOTTOM OF ROOF TRUSSES.

ACOUSTICAL RATING: STC 49.



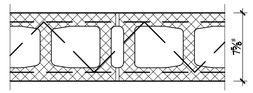
W GA-3

5/8" GYPSUM BOARD, 3 5/8" METAL STUDS AT 16" O.C.,

TOTAL THICKNESS: 4 1/4".

TOTAL HEIGHT: SOFFIT CONSTRUCTION FROM TOP OF UPPER CABINETS TO 6" ABOVE CEILING HEIGHT

B-SERIES
BLOCK



W B-1

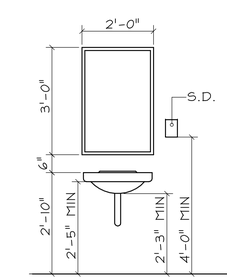
8" NOMINAL CONCRETE MASONRY UNIT, HORIZONTAL REINFORCING AT 16" O.C. VERTICALLY.

TOTAL THICKNESS: 7 5/8".

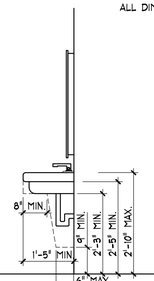
TOTAL HEIGHT: FROM FLOOR TO UNDERSIDE OF FLOOR DECK OR BOTTOM OF ROOF TRUSSES.

STANDARD MOUNTING HEIGHTS

ALL DIMENSIONS ON THESE DETAILS ARE TO FACE OF FINISH.

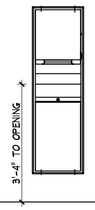


LAVATORY (FRONT VIEW)



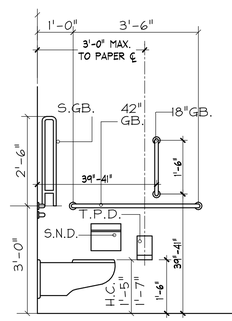
LAVATORY (SIDE VIEW)

R.H.

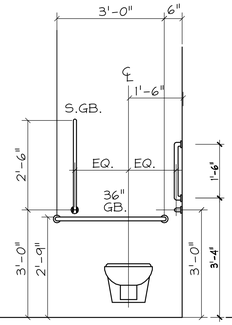


P.T.D.

W.R.



WATER CLOSET (SIDE VIEW)



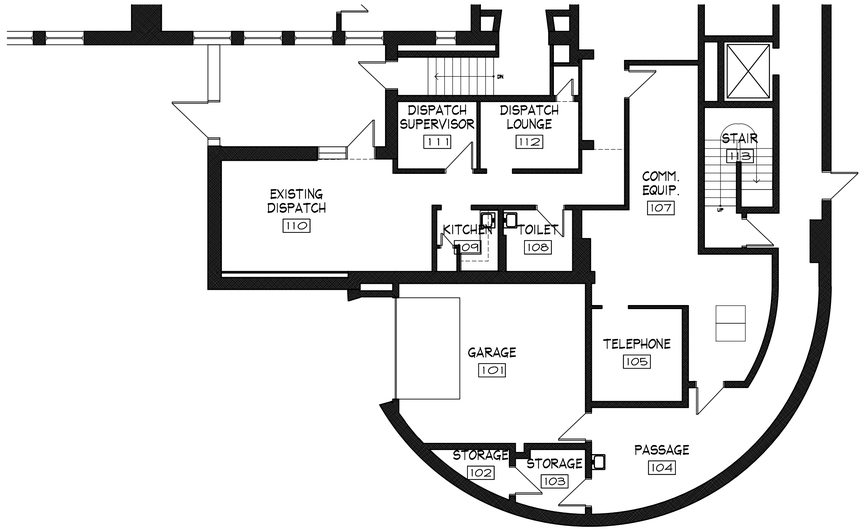
(FRONT VIEW)

NEW DISPATCH CENTER
FOR THE
WEST HARTFORD POLICE
103 RAYMOND ROAD
WEST HARTFORD, CONNECTICUT

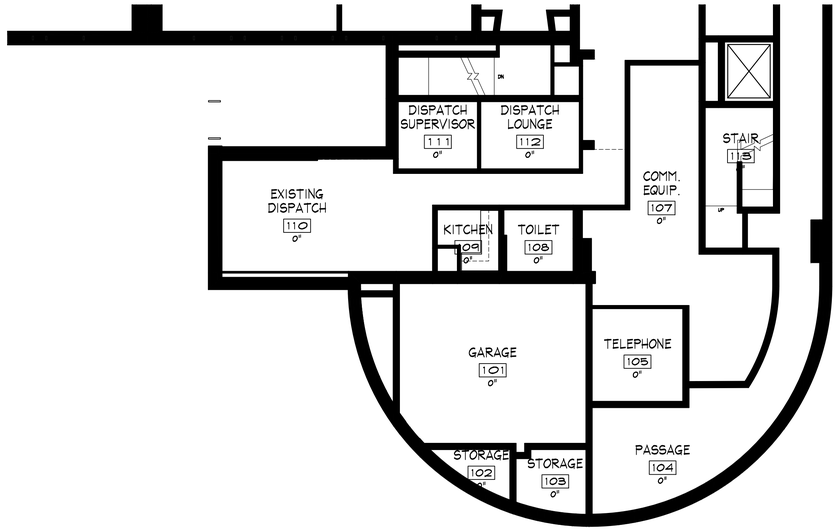
JACUNSKI HUMES
ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

ARCHITECTURAL GENERAL NOTES

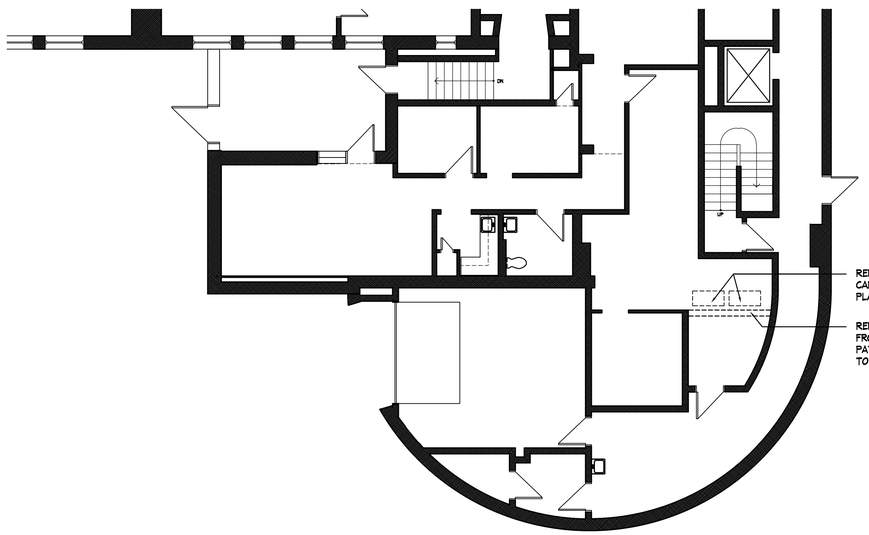
PROJ. NO. JH1406	DRAWING NO. A-0
SCALE: NONE	
DATE: APR. 22, 2016	



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



3 **FIRST FLOOR REFLECTED CEILING PLAN**
SCALE: 1/8" = 1'-0"



1 **FIRST FLOOR DEMO PLAN**
SCALE: 1/8" = 1'-0"

DEMO NOTES

1. ALL DEMOLITION WORK TO BE COORDINATED WITH CORRESPONDING NEW CONSTRUCTION.

2. ALL AREAS AFFECTED BY DEMOLITION TO BE RETURNED TO A STATE OF COMPLETION EQUAL TO OR GREATER THAN THE FINISHED STATE PRIOR TO DEMOLITION.

3. DEMOLITION CONTRACTOR TO CLEAN ALL DEMOLISHED AREAS PRIOR TO ANY COMMENCEMENT OF NEW CONSTRUCTION.

4. ALL AREAS TO BE DEMOLISHED TO BE VERIFIED IN THE FIELD, AND ANY INCONSISTENCIES ARE TO BE REPORTED TO THE OWNER AND ARCHITECT IMMEDIATELY.

5. DEMOLITION CONTRACTOR TO COORDINATE ARCHITECTURAL DEMOLITION WITH STRUCTURAL, MECHANICAL AND ELECTRICAL DEMOLITION. ANY INCONSISTENCIES ARE TO BE REPORTED TO THE ARCHITECT IMMEDIATELY.

LEGEND

- EXISTING WALLS TO REMAIN
- DEMOLITION WALLS
- REMOVE EXISTING FINISH
- DOOR, FRAME AND HARDWARE TO BE REMOVED
- REMOVE EXISTING FLOOR FINISH IN THIS AREA

FLOOR PLAN LEGEND

- NEW BRICK WALL CONSTRUCTION
- NEW C.M.U. WALL CONSTRUCTION
- NEW STUD WALL CONSTRUCTION
- NEW CONCRETE WALL CONSTRUCTION
- EXISTING WALL TO REMAIN
- OFFICE 101 — ROOM NAME / ROOM NUMBER
- 1 / A-1 — WALL SECTION MARKER, DETAIL NUMBER / SHEET NUMBER
- 1 / A-1 — EXTERIOR ELEVATION MARKER, DETAIL NUMBER / SHEET NUMBER
- 4 / 3 A-1 1 / 2 — CASEWORK OR INTERIOR ELEVATION MARKER
- 1 / A-1 — PLAN DETAIL, DETAIL NUMBER / SHEET NUMBER
- W GA-1 — WALL TYPE TAG
- 001 A / 001 — DOOR AND/OR FRAME TAG
- 10 — COLUMN DETAIL TAG
- 1 — WINDOW TAG
- NEW DOOR
- EXISTING DOOR

CEILING PLAN LEGEND

- 2X2 SUSPENDED ACOUSTICAL CEILING TILE
- EXISTING CEILING OR EXPOSED STRUCTURE
- RECESSED CEILING LIGHTING FIXTURES, SEE ELECTRICAL DWGS.
- DIFFUSER, SEE MECHANICAL DWGS.
- HEAT AND/OR SMOKE DETECTOR, SEE ELECTRICAL DWGS.
- SPRINKLER, SEE FIRE PROTECTION DWGS.
- TV — LOCATION OF WALL MOUNTED TV. PROVIDE WALL BLOCKING
- WAP — WIFI ACCESS POINT, SEE ELECTRICAL DWGS.
- MTS — CEILING MOUNTED MOTION SENSOR, SEE ELECTRICAL DWGS.
- CEILING MOUNTED PROJECTOR, SEE ELECTRICAL DWGS.

NOTE:

SEE CODE PLAN FOR LOCATIONS OF ALL RATED CONSTRUCTION, TYPICAL.

COORDINATE ALL LIGHTING QUANTITIES AND LOCATIONS WITH THE ARCHITECT. REPORT ANY DISCREPANCIES BETWEEN CEILING AND ELECTRICAL, MECHANICAL, AND/OR FIRE PROTECTION DRAWINGS TO THE ARCHITECT IMMEDIATELY.

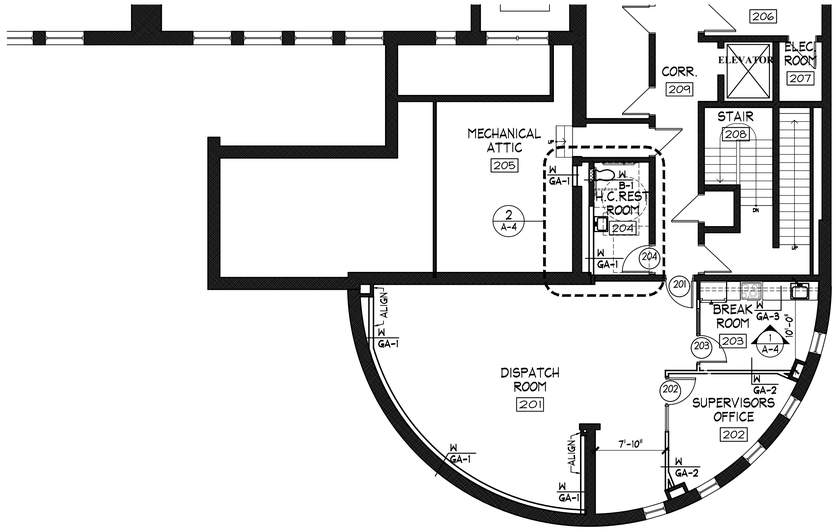
NEW DISPATCH CENTER
FOR THE
WEST HARTFORD POLICE
WEST HARTFORD, CONNECTICUT

103 RAYMOND ROAD

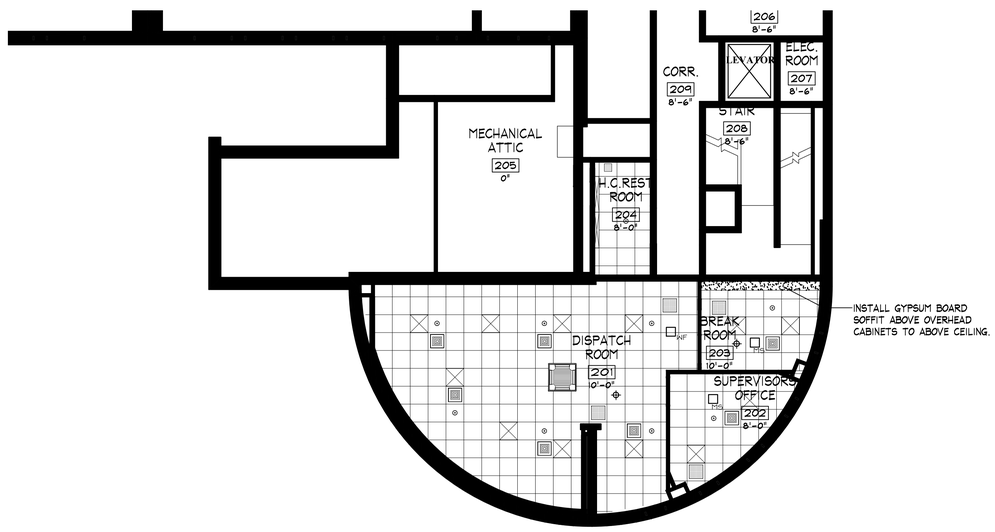
JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

FIRST FLOOR DEMO PLAN FLOOR PLAN AND REFLECTED CEILING PLAN

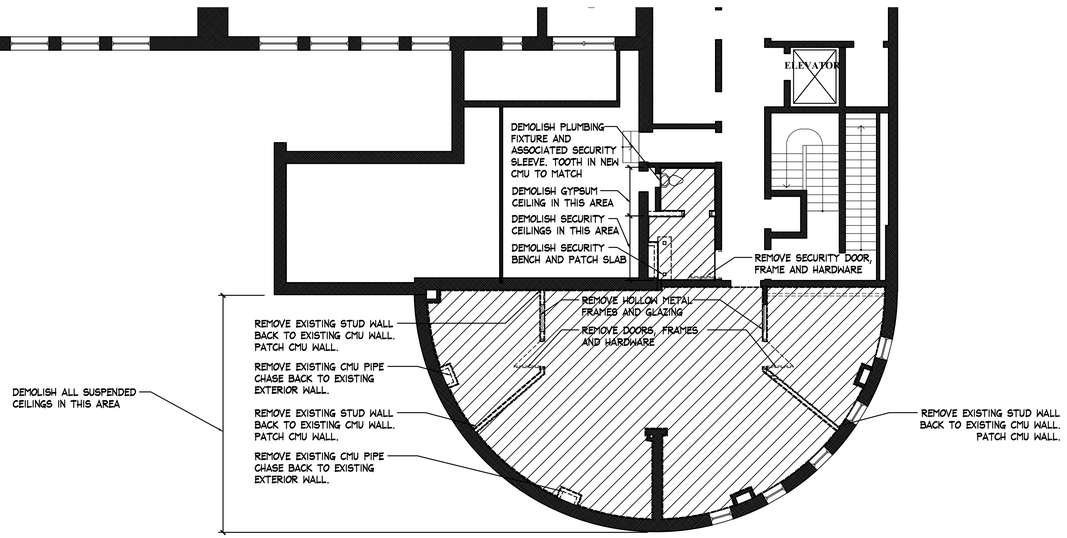
PROJ. NO.	DRAWING NO.
JH1406	A-1
SCALE: 1/8" = 1'-0"	
DATE: APR. 22, 2016	



2 **SECOND FLOOR PLAN**
SCALE: 1/8" = 1'-0"



3 **SECOND FLOOR REFLECTED CEILING PLAN**
SCALE: 1/8" = 1'-0"



1 **SECOND FLOOR DEMO PLAN**
SCALE: 1/8" = 1'-0"

DEMO NOTES

1. ALL DEMOLITION WORK TO BE COORDINATED WITH CORRESPONDING NEW CONSTRUCTION.
2. ALL AREAS AFFECTED BY DEMOLITION TO BE RETURNED TO A STATE OF COMPLETION EQUAL TO OR GREATER THAN THE FINISHED STATE PRIOR TO DEMOLITION.
3. DEMOLITION CONTRACTOR TO CLEAN ALL DEMOLISHED AREAS PRIOR TO ANY COMMENCEMENT OF NEW CONSTRUCTION.
4. ALL AREAS TO BE DEMOLISHED TO BE VERIFIED IN THE FIELD, AND ANY INCONSISTENCIES ARE TO BE REPORTED TO THE OWNER AND ARCHITECT IMMEDIATELY.
5. DEMOLITION CONTRACTOR TO COORDINATE ARCHITECTURAL DEMOLITION WITH STRUCTURAL, MECHANICAL AND ELECTRICAL DEMOLITION. ANY INCONSISTENCIES ARE TO BE REPORTED TO THE ARCHITECT IMMEDIATELY.

LEGEND

- EXISTING WALLS TO REMAIN
- DEMOLITION WALLS
- REMOVE EXISTING FINISH
- DOOR, FRAME AND HARDWARE TO BE REMOVED
- REMOVE EXISTING FLOOR FINISH IN THIS AREA

FLOOR PLAN LEGEND

- NEW BRICK WALL CONSTRUCTION
- NEW C.M.U. WALL CONSTRUCTION
- NEW STUD WALL CONSTRUCTION
- NEW CONCRETE WALL CONSTRUCTION
- EXISTING WALL TO REMAIN
- OFFICE 101 — ROOM NAME / ROOM NUMBER
- 1 / A-1 — WALL SECTION MARKER, DETAIL NUMBER / SHEET NUMBER
- 1 / A-1 — EXTERIOR ELEVATION MARKER, DETAIL NUMBER / SHEET NUMBER
- 4 / 3 A-1 1 / 2 — CASEWORK OR INTERIOR ELEVATION MARKER
- 1 / A-1 — PLAN DETAIL, DETAIL NUMBER / SHEET NUMBER
- W GA-1 — WALL TYPE TAG
- 001 A / 001 — DOOR AND/OR FRAME TAG
- 10 — COLUMN DETAIL TAG
- 1 — WINDOW TAG
- NEW DOOR
- EXISTING DOOR

CEILING PLAN LEGEND

- 2X2 SUSPENDED ACOUSTICAL CEILING TILE
- EXISTING CEILING OR EXPOSED STRUCTURE
- RECESSED CEILING LIGHTING FIXTURES, SEE ELECTRICAL DWGS.
- DIFFUSER, SEE MECHANICAL DWGS.
- HEAT AND/OR SMOKE DETECTOR, SEE ELECTRICAL DWGS.
- SPRINKLER, SEE FIRE PROTECTION DWGS.
- TV — LOCATION OF WALL MOUNTED TV. PROVIDE WALL BLOCKING
- WAP — WIFI ACCESS POINT, SEE ELECTRICAL DWGS.
- MS — CEILING MOUNTED MOTION SENSOR, SEE ELECTRICAL DWGS.
- CEILING MOUNTED PROJECTOR, SEE ELECTRICAL DWGS.

NOTE:

SEE CODE PLAN FOR LOCATIONS OF ALL RATED CONSTRUCTION, TYPICAL.

COORDINATE ALL LIGHTING QUANTITIES AND LOCATIONS WITH THE ARCHITECT. REPORT ANY DISCREPANCIES BETWEEN CEILING AND ELECTRICAL, MECHANICAL, AND/OR FIRE PROTECTION DRAWINGS TO THE ARCHITECT IMMEDIATELY.

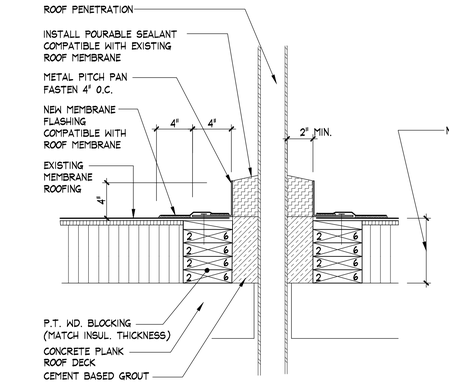
NEW DISPATCH CENTER
FOR THE
WEST HARTFORD POLICE
WEST HARTFORD, CONNECTICUT

103 RAYMOND ROAD

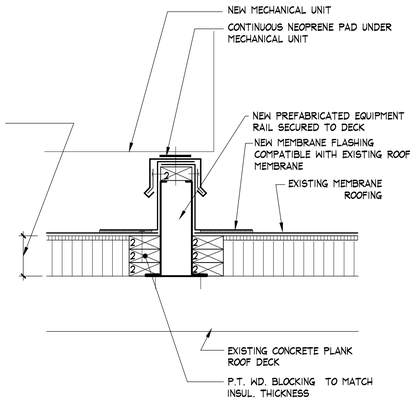
JHI
JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

SECOND FLOOR DEMO PLAN FLOOR PLAN AND REFLECTED CEILING PLAN

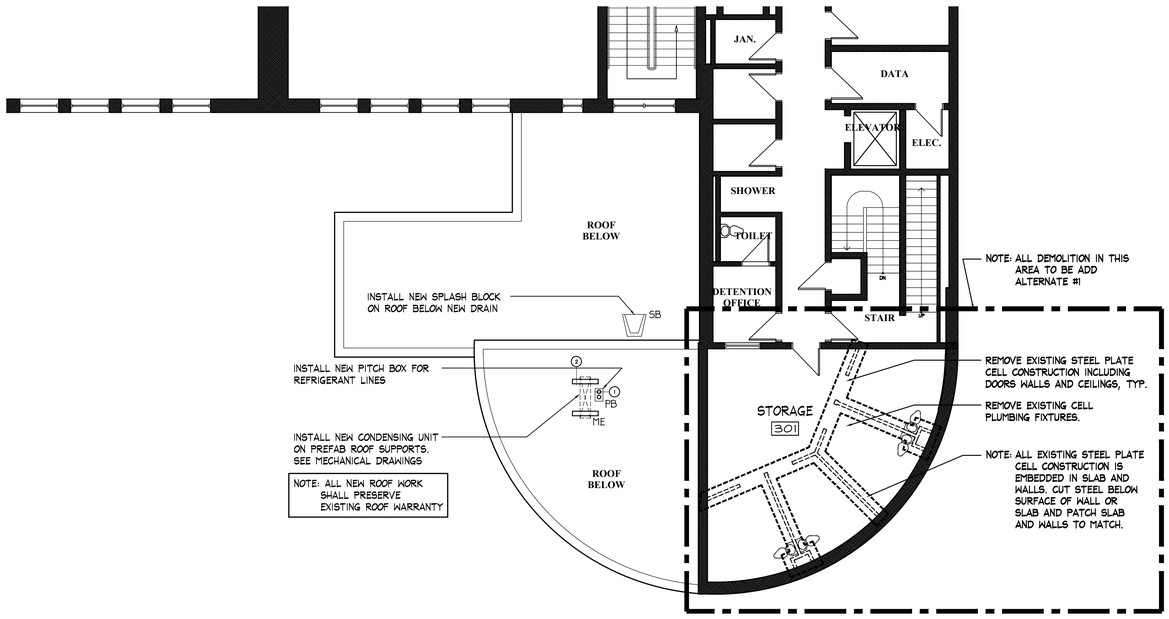
PROJ. NO.	DRAWING NO.
JH1406	A-2
SCALE: 1/8" = 1'-0"	
DATE: APR. 22, 2016	



1 TYP. PITCH POCKET DETAIL
SCALE: 1 1/2" = 1'-0"



2 TYPICAL EQUIPMENT RAIL DETAIL
SCALE: 1 1/2" = 1'-0"



3 SECOND FLOOR DEMO PLAN AND PARTIAL ROOF PLAN
SCALE: 1/8" = 1'-0"

DEMO NOTES

1. ALL DEMOLITION WORK TO BE COORDINATED WITH CORRESPONDING NEW CONSTRUCTION.
2. ALL AREAS AFFECTED BY DEMOLITION TO BE RETURNED TO A STATE OF COMPLETION EQUAL TO OR GREATER THAN THE FINISHED STATE PRIOR TO DEMOLITION.
3. DEMOLITION CONTRACTOR TO CLEAN ALL DEMOLISHED AREAS PRIOR TO ANY COMMENCEMENT OF NEW CONSTRUCTION.
4. ALL AREAS TO BE DEMOLISHED TO BE VERIFIED IN THE FIELD, AND ANY INCONSISTENCIES ARE TO BE REPORTED TO THE OWNER AND ARCHITECT IMMEDIATELY.
5. DEMOLITION CONTRACTOR TO COORDINATE ARCHITECTURAL DEMOLITION WITH STRUCTURAL, MECHANICAL AND ELECTRICAL DEMOLITION. ANY INCONSISTENCIES ARE TO BE REPORTED TO THE ARCHITECT IMMEDIATELY.

LEGEND

- EXISTING WALLS TO REMAIN
- DEMOLITION WALLS
- REMOVE EXISTING FINISH
- DOOR, FRAME AND HARDWARE TO BE REMOVED
- REMOVE EXISTING FLOOR FINISH IN THIS AREA

ROOF LEGEND:

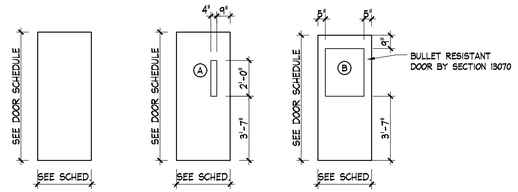
- ME — NEW CONDENSING UNIT ON PREFABRICATED SUPPORTS
- PB — NEW PITCH BOX - SEE DETAIL # 1
- SB — NEW CONCRETE SPLASH BLOCK

NEW DISPATCH CENTER
FOR THE
WEST HARTFORD POLICE
WEST HARTFORD, CONNECTICUT
103 RAYMOND ROAD

JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

THIRD FLOOR DEMO PLAN AND PARTIAL ROOF PLAN

PROJ. NO.	DRAWING NO.
JH1406	A-3
SCALE: 1/8" = 1'-0"	
DATE: APR. 22, 2016	



HM-1 *HM-2* *HM-3*

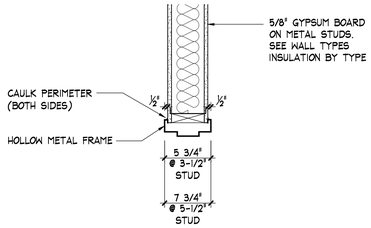
HOLLOW METAL DOORS

GLAZING TYPES

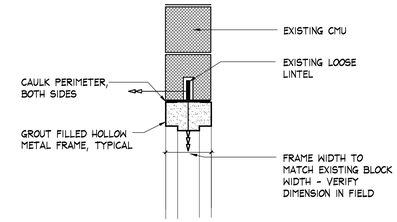
(A) 1/4" CLEAR, TEMPERED

(B) BULLET RESISTANT POLYCARBONATE GLAZING

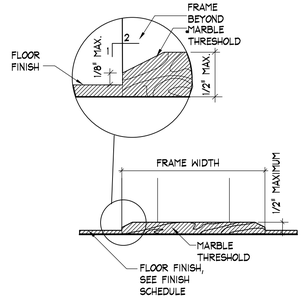
REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION



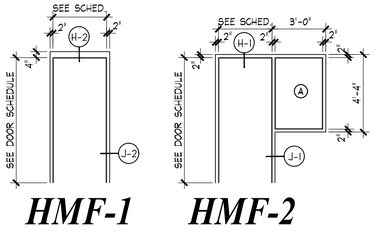
H-1 HEAD DETAIL
SCALE: 1" = 1'-0"



H-2 HEAD DETAIL
SCALE: 1" = 1'-0"

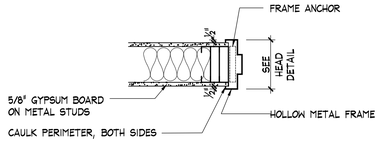


T-1 THRESHOLD DETAIL
SCALE: 1" = 1'-0"

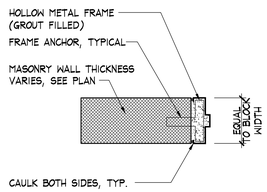


HMF-1 *HMF-2*

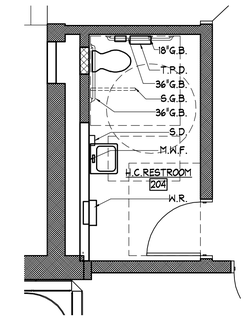
HOLLOW METAL FRAMES



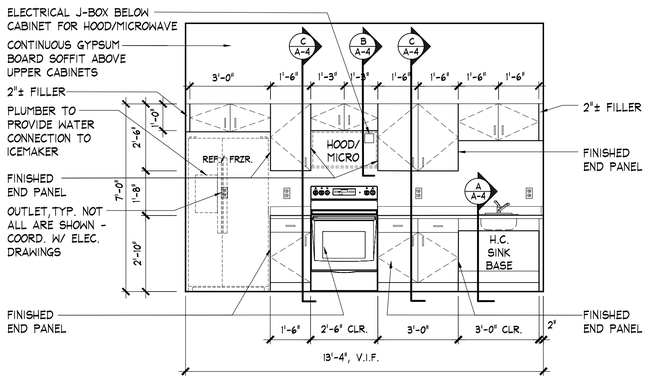
J-1 HEAD DETAIL
SCALE: 1" = 1'-0"



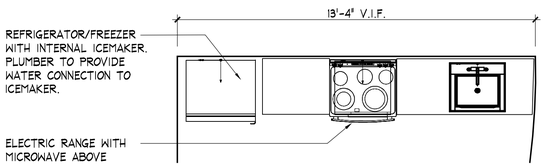
J-2 HEAD DETAIL
SCALE: 1" = 1'-0"



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

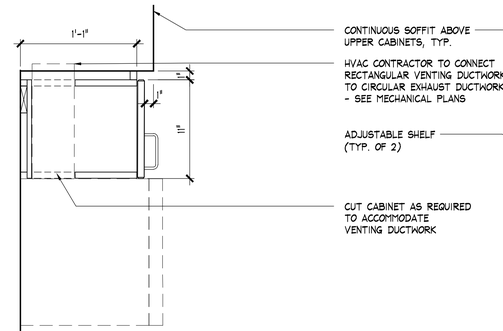


ELEVATION



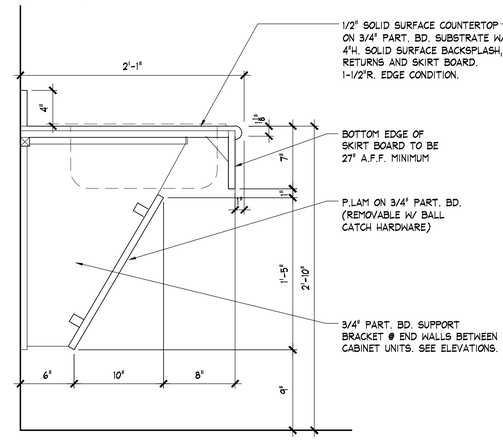
PLAN

1 BREAK ROOM CASEWORK
SCALE: 3/8" = 1'-0"



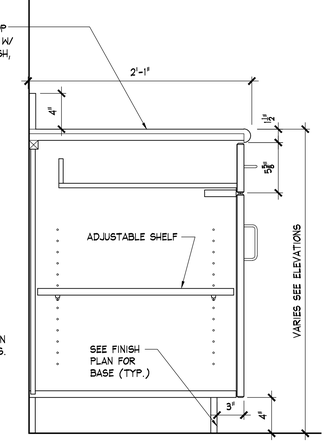
SECTION B

UPPER CABINET



SECTION A

COUNTERTOP (ADA SINK)



SECTION C

BASE CABINET (DOOR AND DRAWER)

TOILET ACCESSORIES KEY

ALL ITEMS BY SECTION 10800 UNLESS OTHERWISE NOTED

18 G.B.	18" GRAB BAR - VERTICAL MOUNT
36 G.B.	36" GRAB BAR
42 G.B.	42" GRAB BAR
S.G.B.	SWING GRAB BAR
R.H.	ROBE HOOK
W.R.	WASTE RECEPTACLE
S.D.	WALL MOUNTED SOAP DISPENSER
T.P.D.	WALL MOUNTED TOILET PAPER DISPENSER
S.N.D.	WALL MOUNTED SANITARY NAPKIN DISPOSAL
M.W.F.	MIRROR W/ STAINLESS STEEL FRAME

GENERAL NOTES :

ALL WALL AREAS TO RECEIVE TILE SHALL HAVE CONCRETE TILE BACKER BOARD INSTALLED TO WITHIN 1" OF EDGE OF TILE

ALL OTHER GYPSUM BOARD IN TOILET, SHOWER AND WET ROOMS TO BE MOISTURE RESISTANT GYPSUM WALL BOARD AS SPECIFIED.

ALL DIMENSIONS ON THIS SHEET ARE FROM FINISH FACE OF WALL SURFACE, UNLESS OTHERWISE NOTED.

REFER TO PLUMBING DRAWINGS AND SPECIFICATIONS FOR LAVATORY, AND TOILET EQUIPMENT INFORMATION.

PROVIDE MINIMUM CLEARANCE OF 1 1/2" ALL THE WAY AROUND ALL GRAB BARS

SEE CASEWORK ELEVATIONS FOR ADDITIONAL SD AND PTD LOCATIONS

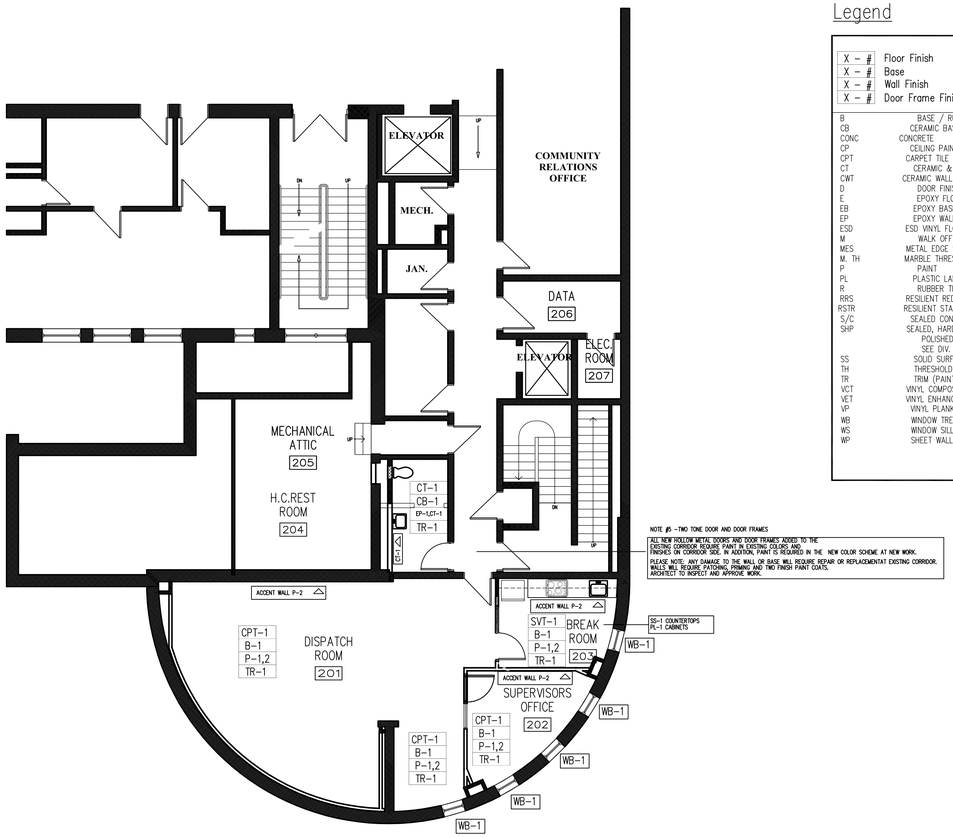
VERIFY ALL DIMENSIONS IN FIELD.

NEW DISPATCH CENTER
FOR THE
WEST HARTFORD POLICE
WEST HARTFORD, CONNECTICUT
103 RAYMOND ROAD

JHI
JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

MISC. DETAILS

PROJ. NO. JH1406	DRAWING NO. A-4
SCALE: 1/8" = 1'-0"	
DATE: APR. 22, 2016	



NOTE #5 -TWO TONE DOOR AND DOOR FRAMES

ALL NEW HOLLOW METAL DOORS AND DOOR FRAMES ADDED TO THE EXISTING CORRIDOR REQUIRE PAINT IN EXISTING COLORS AND FINISHES ON CORRIDOR SIDE. IN ADDITION, PAINT IS REQUIRED IN THE NEW COLOR SCHEME AT NEW WORK.

PLEASE NOTE: ANY DAMAGE TO THE WALL OR BASE WILL REQUIRE REPAIR OR REPLACEMENTAT EXISTING CORRIDOR WALLS. WILL REQUIRE PATCHING, PRIMING AND TWO FINISH PAINT COATS. ARCHITECT TO INSPECT AND APPROVE WORK.

1 FINISH PLAN

SCALE: 1/8" = 1'-0"

Legend

X – #	Floor Finish
X – #	Base
X – #	Wall Finish
X – #	Door Frame Finish

B	BASE / RUBBER
CB	CERAMIC BASE
CONC	CONCRETE
CP	CEILING PAINT
CPT	CARPET TILE
CT	CERAMIC & PORCELAIN TILE
CWT	CERAMIC WALL TILE
D	DOOR FINISH
E	EPOXY FLOOR FINISH
EB	EPOXY BASE
EP	EPOXY WALL PAINT
ESD	ESD VINYL FLOOR
M	WALK OFF MAT
MES	METAL EDGE STRIP
M. TH	MARBLE THRESHOLD
P	PAINT
PL	PLASTIC LAMINATE
R	RUBBER TILE
RRS	RESILIENT REDUCING STRIP
RSTR	RESILIENT STAIR/TREAD/RISER
S/C	SEALED CONCRETE
SHP	SEALED, HARDENED, POLISHED CONCRETE SEE DIV. 09460
SS	SOLID SURFACE MATERIAL
TH	THRESHOLD
TR	TRIM (PAINTED)
VCT	VINYL COMPOSITION TILE
VET	VINYL ENHANCED TILE
VP	VINYL PLANK
WB	WINDOW TREATMENT
WS	WINDOW SILLS
WP	SHEET WALL PROTECTION

Finish Key

CODE	MANUFACTURER	MATERIAL / STYLE	PATTERN	COLOR	REMARKS / SPECIFICATIONS
Flooring					
CPT-1	MOHAWK COMMERCIAL	BY THE BOOK	GT091	PROMINENT 228	24"X24"
CT-1	DALTILE	ESTA VILLA BRICK JOINT MOSAIC	2" X 4"	EV98 TERRACE BEIGE	GROUT- GT-1, MAPEI CQ GROUT- #35 NAVAJO
SVT-1	AZROCK / TARKET	SOLID VINYL TILE	CORTINA GRANDE	CG506 SPONGE BEIGE	16"X16"- BASKETWEAVE
Base					
B-1	JOHNSONITE	6" TRADITIONAL COVE BASE	RUBBER	#45 SANDALWOOD	---
CB-1	DALTILE	ESTA VILLA BRICK JOINT MOSAIC	2" X 8"	EV98 TERRACE BEIGE	GROUT- GT-1, MAPEI CQ GROUT- #35 NAVAJO
Walls					
CWT-1	DALTILE	ESTA VILLA BRICK JOINT MOSAIC	2" X 4"	EV98 TERRACE BEIGE	GROUT- GT-1, MAPEI CQ GROUT- #35 NAVAJO
EP-1	SHERWIN WILLIAMS	Semi-Gloss Epoxy Paint	WILLOW TREE	SW-67741	TOILET ROOM
P-1	SHERWIN WILLIAMS	Latex Eggshell Finish Wall Paint	WOOL SKEIN	SW-6148	FIELD PAINT
P-2	SHERWIN WILLIAMS	Latex Eggshell Finish Wall Paint	WILLOW TREE	SW-67741	ACCENT PAINT
Door Frames / Misc.					
TR-1	SHERWIN WILLIAMS	Alkyd Satin Trim Paint	SERENGETI GRASS	SW-9116	INTERIOR DOOR FRAMES
Ceilings Non-factory Fin.					
CP-1	SHERWIN WILLIAMS	Latex Flat Finish Wall Paint	Classic	White	Gypsum Board Soffits
Casework					
PL-1	WILSONART	PLASTIC LAMINATE	FUSHION MAPLE	7909-60	CABINETS, UPPERS, BASE & TALL CABINETS
SS-1	DUPONT	SOLID SURFACE	CORIAN	AURORA	COUNTERTOP, 4" BACKSPLASH COVE, SIDE SPLASH
Flooring Transitions					
RRS-1	Johnsonite	T Molding with Track from 1/8" to CT	CO-80-D	—	—
RRS-2	Johnsonite	Adaptor from 1/8" VET to Carpet	CTA-80-D	—	—
Window Treatment					
WB-1	DRAPER	Manual FlexShades Roller Shades	SW2500	BEIGE	SHERWEAVE1% OPENNESS.

General Notes

General Notes	
1	All interior faces of non-factory finished doors and door frames to be painted.
2	Window blinds to be located inside window returns.
3	All floor finishes to extend to the wall, this includes going under casework and appliances.
4	All receptacle, switch, fixture, cover plates, etc are to be Ivory via a Nylon product.
5	See note on finish plan regarding two tone doors and door frames.

4D Design & Decorating
DEANNA S. DEWEY, NCIDQ
Owner, Interior Designer
● 68 Richard Street, West Hartford, CT 06119
● 11 Dale Street, West Hartford, CT 06107
Primary: 860-716-3363 cell
860-231-9665 office
email: 4Ddesign@comcast.net
web: www.4Ddesigndec.com

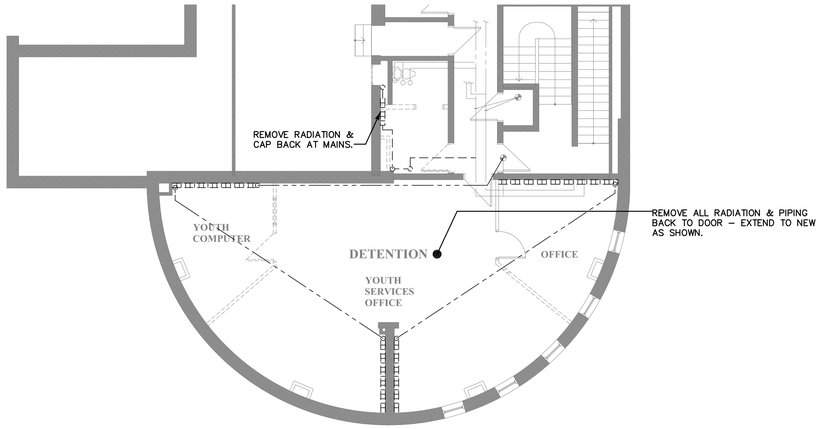
NEW DISPATCH CENTER FOR THE WEST HARTFORD POLICE

103 RAYMOND ROAD WEST HARTFORD, CONNECTICUT

JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

FINISH FLOOR PLAN & SCHEDULE

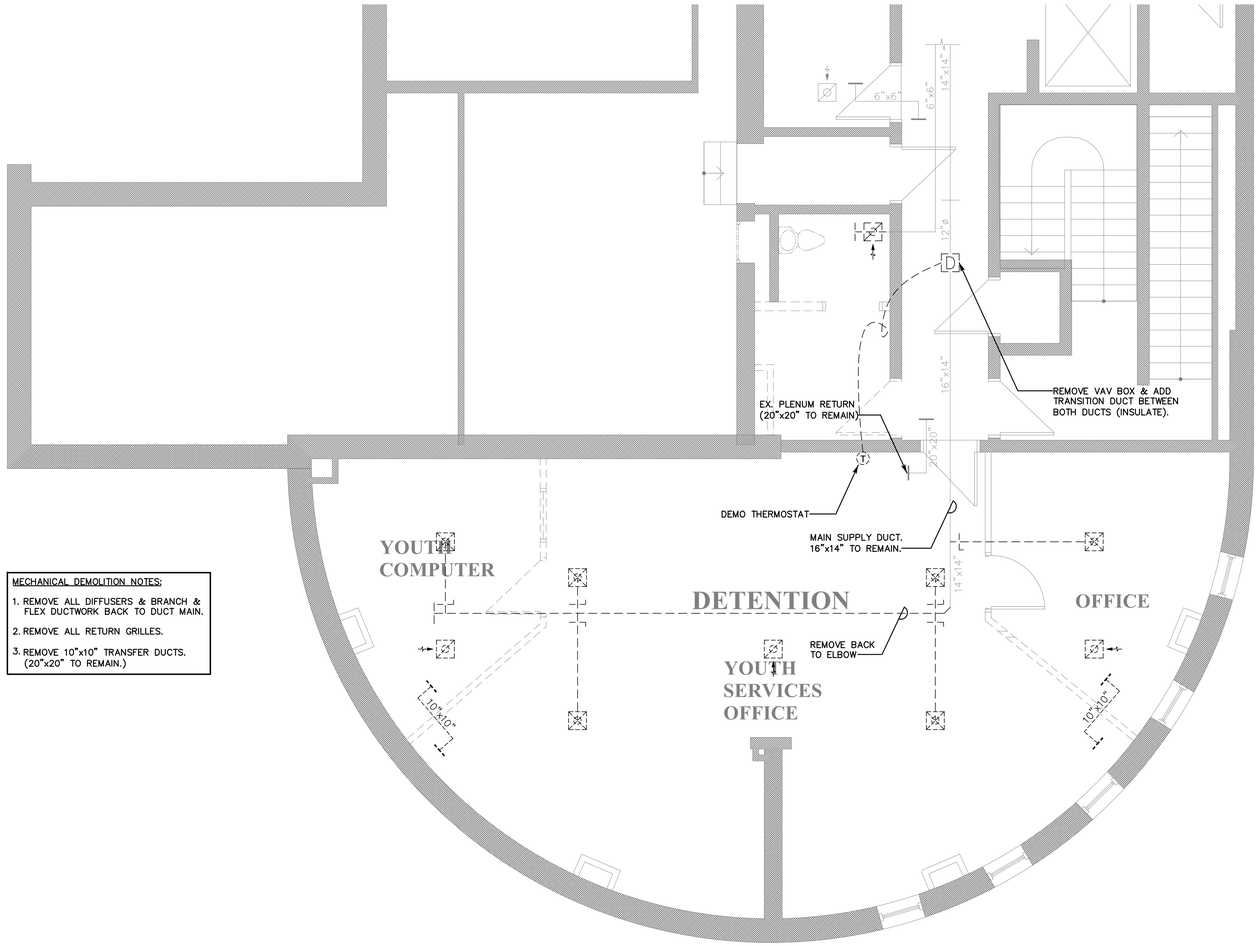
JHA PROJ. NO.: JH1406	DRAWING NO. F-1
SCALE: 1/8" =1'-0"	
DATE: 04/22/16	



MECHANICAL PIPING DEMOLITION PLAN

SCALE: 1/8"=1'-0"

MECHANICAL LEGEND	
	EXISTING SUPPLY AIR DIFFUSER.
	EXISTING RETURN AIR GRILLE.
	EXISTING EXHAUST AIR GRILLE.
	EXISTING DUCTWORK.
	REMOVE DUCTWORK.
	REMOVE DAMPER
	REMOVE EXISTING HVAC EQUIPMENT.
T	EXISTING THERMOSTAT TO BE RELOCATED.



MECHANICAL DEMOLITION NOTES:

1. REMOVE ALL DIFFUSERS & BRANCH & FLEX DUCTWORK BACK TO DUCT MAIN.
2. REMOVE ALL RETURN GRILLES.
3. REMOVE 10"x10" TRANSFER DUCTS. (20"x20" TO REMAIN.)

MECHANICAL DUCTWORK DEMOLITION PLAN

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

M/E DESIGN ASSOCIATES/ INC
MECHANICAL DESIGN & CONSULTING
Division of The Salamone Group, LLC
116 North Plains Industrial Rd • Wallingford • CT • 06492

NEW DISPATCH CENTER FOR THE WEST HARTFORD POLICE

WEST HARTFORD, CONNECTICUT

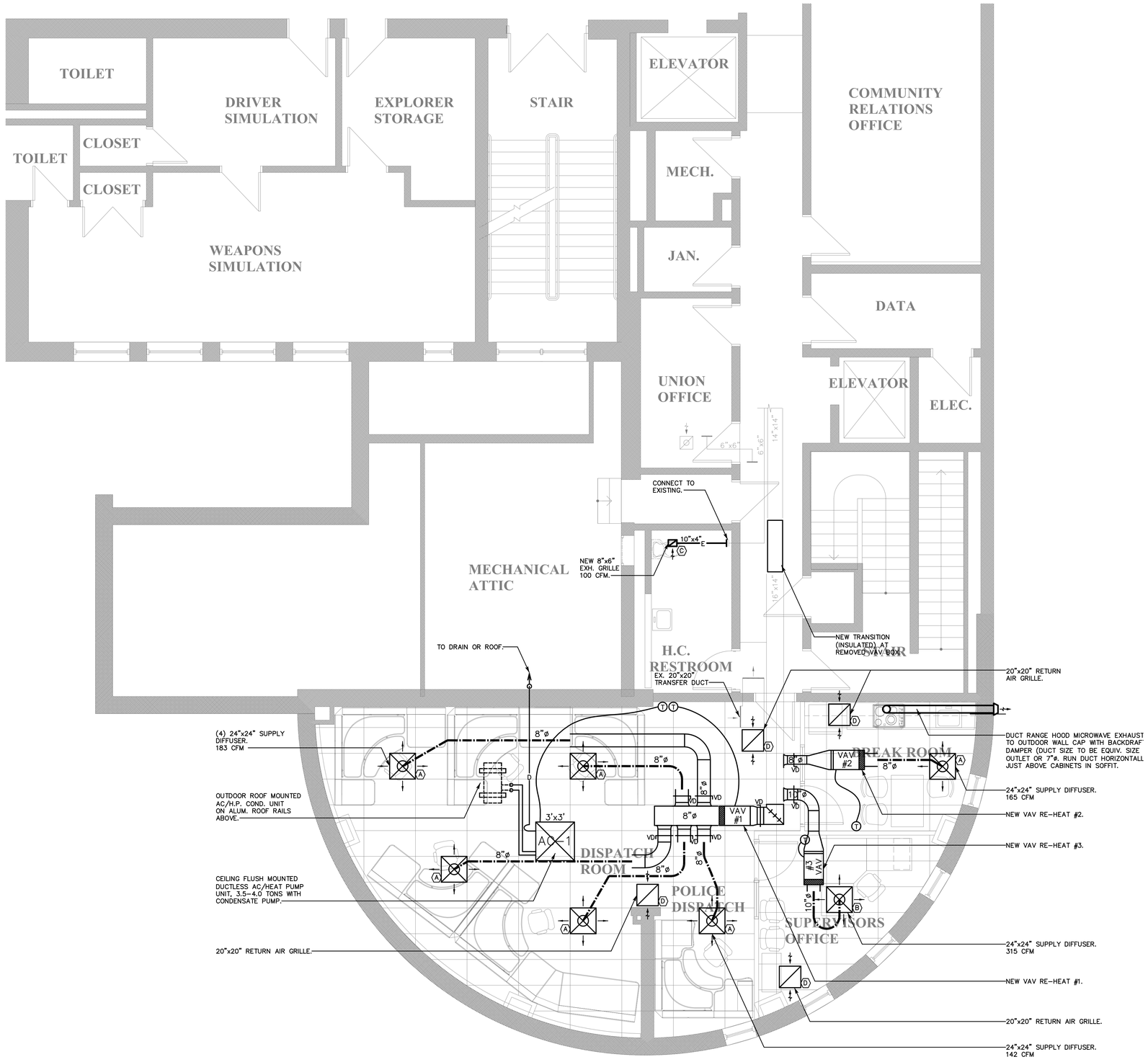
103 RAYMOND ROAD

JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

SECOND FLOOR DEMOLITION PLANS

PIPING & DUCTWORK

PROJ. NO.	DRAWING NO.
SCALE: 1/4" = 1'-0"	M-1
DATE: APRIL 22, 2016	



PROPOSED MECHANICAL PLAN

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

MECHANICAL LEGEND

	NEW SUPPLY AIR DIFFUSER, (KRUEGER PLQ)
	NEW RETURN AIR GRILLE.
	EXHAUST AIR GRILLE.
	NEW INSULATED FLEX DUCTWORK.
S	SUPPLY AIR DUCT
R	RETURN AIR DUCT
E	EXHAUST AIR DUCT
D	CONDENSATE DRAINAGE PIPING
FD/AD	FIRE DAMPER WITH ACCESS DOOR
VD	VOLUME DAMPER
	REMOVE EXISTING HVAC EQUIPMENT.
T	NEW THERMOSTAT LOCATION.
T	EXISTING THERMOSTAT TO BE RELOCATED.
VAV-1	NEW VAV BOX LOCATION.

MECHANICAL REGISTER & GRILLE SYMBOL LIST

SYMBOL	DESCRIPTION	SIZE	O.B. DAMPER	ARRANGEMENT/MISC.
A	CEILING SUPPLY DIFFUSER	8" NECK 24x24 PAD	YES	ARROWS AS SHOWN, KREUGER ALUMINUM CONSTRUCTION, HIGH EFF. MODEL PLQ SERIES
B	CEILING SUPPLY DIFFUSER	10" NECK 24x24 PAD	YES	ARROWS AS SHOWN, KREUGER ALUMINUM CONSTRUCTION, HIGH EFF. MODEL PLQ SERIES
C	CEILING RETURN EXHAUST GRILLE	8x6	YES	KREUGER ALUMINUM CONSTRUCTION, MODEL 585
D	CEILING RETURN EXHAUST GRILLE	20x20	YES	KREUGER ALUMINUM CONSTRUCTION, MODEL 585

M/E DESIGN ASSOCIATES, INC
MECHANICAL DESIGN & CONSULTING
Division of The Salamone Group, LLC
116 North Plains Industrial Rd • Wallingford • CT • 06492

NEW DISPATCH CENTER FOR THE WEST HARTFORD POLICE

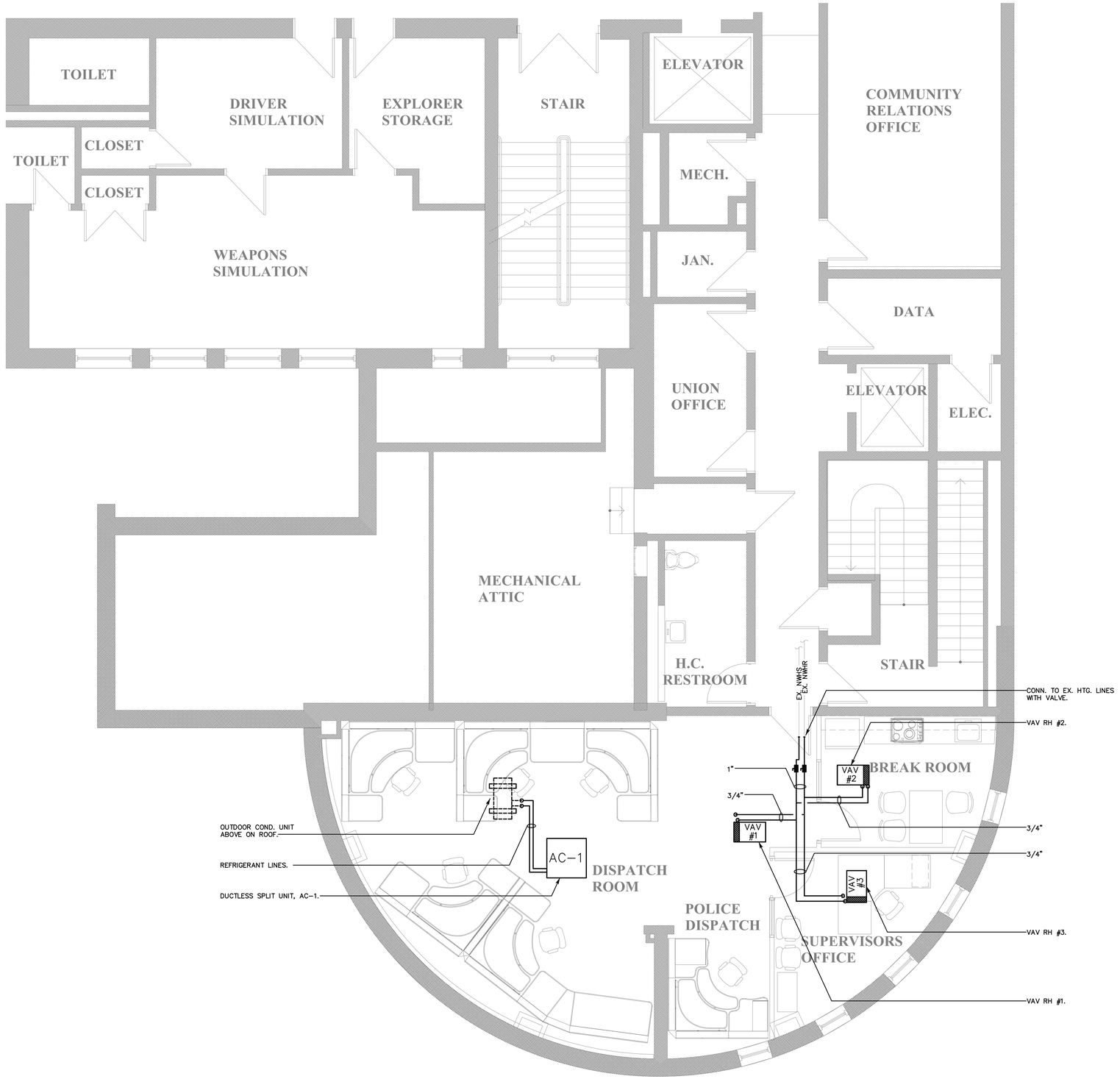
103 RAYMOND ROAD WEST HARTFORD, CONNECTICUT

JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

SECOND FLOOR PLAN

MECHANICAL

PROJ. NO.	DRAWING NO.
SCALE: 1/4" = 1'-0"	M-2
DATE: APRIL 22, 2016	



PROPOSED MECHANICAL HYDRONIC PLAN

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

MECHANICAL LEGEND

	NEW SUPPLY AIR DIFFUSER.
	NEW RETURN AIR GRILLE.
	EXHAUST AIR GRILLE.
	NEW INSULATED FLEX DUCTWORK.
S	SUPPLY AIR DUCT
R	RETURN AIR DUCT
E	EXHAUST AIR DUCT
D	CONDENSATE DRAINAGE PIPING
FD/AD	FIRE DAMPER WITH ACCESS DOOR
VD	VOLUME DAMPER
	REMOVE EXISTING HVAC EQUIPMENT.
T	NEW THERMOSTAT LOCATION.
T	EXISTING THERMOSTAT TO BE RELOCATED.
VAV-1	NEW VAV BOX LOCATION.

M/E DESIGN ASSOCIATES, INC
MECHANICAL DESIGN & CONSULTING
Division of The Salamone Group, LLC
116 North Plains Industrial Rd • Wallingford • CT • 06492

NEW DISPATCH CENTER FOR THE WEST HARTFORD POLICE

WEST HARTFORD, CONNECTICUT

103 RAYMOND ROAD

JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

SECOND FLOOR PIPING PLAN

MECHANICAL

PROJ. NO.	DRAWING NO.
SCALE: 1/4" = 1'-0"	M-3
DATE: APRIL 22, 2016	

VAV RE-HEAT SCHEDULE

VAV NO.	DESCRIPTION	MANUFACTURER / UNIT# / MODEL#	CFM	OUTLET SIZE	HTG. COIL CAPACITY	GPM	SP "	WPD '	# OF HTG. COIL ROWS	MISC.
VAV-RH #1	INLINE VAV COOLING/HYDRONIC RE-HEAT (DISPATCH AREA)	NAILOR / #8 / #D30RW	874	12"x12"	18,000 BTUH's	1.8	.25	.5 MAX.	2	2-WAY CONTROL VALVE.
VAV-RH #2	INLINE VAV COOLING/HYDRONIC RE-HEAT (SUPERVISORS OFFICE)	NAILOR / #5 / #D30RW	315	10"x10"	8,000 BTUH's	1.0	.25	.5 MAX.	1	–
VAV-RH #3	INLINE VAV COOLING/HYDRONIC RE-HEAT (BREAK ROOM)	NAILOR / #4 / #D30RW	165	10"x10"	4,000 BTUH's	1.0	.25	.5 MAX.	1	–

NOTES:
1. INSTALL PER ALL APPLICABLE CODES AND MANUFACTURERS INSTALLATION INSTRUCTIONS. TYPICAL.

DUCTLESS MINI-SPLIT - INDOOR UNIT SCHEDULE

UNIT NO.	AC-1	
SERVICE	DISPATCH ROOM	
AIR FLOW (CFM)	950-990	
MCA	2.00	
FAN MOTOR (ECM)	1.00 F.L.A.	
FAN MOTOR OUTPUT (WATTS)	120	
HEATING TOTAL BTU/H	48,000	
COOLING TOTAL BTU/H	42,000	
MAXIMUM INTAKE DB/WB	80°/67°	
MINIMUM INTAKE DB/WB	70°/60°	
REFRIGERANT	R410A	
VIBRATING ISOLATION	YES	
ELECT. CHRA. (V/PH/HZ)	208/230V, 1PH, 60HZ	
DESIGN BASED MODEL	PLA-A42BA6	
NET WEIGHT	APPROX. 85 LBS	
DESIGN BASED MANUFACTURER	MITSUBISHI ELECTRIC	

NOTES:
1. SEE SCHEMATICS, DETAILS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.
2. INSTALL PER ALL APPLICABLE CODES AND MANUFACTURERS INSTALLATION INSTRUCTIONS. TYPICAL.
3. PROVIDE THE FOLLOWING ACCESSORIES: DISCONNECT KIT AND AUXILIARY DRAIN PAN SENSOR AND REMOTE THERMOSTAT.
4. BACKNET INTERFACE MODULE FOR CONTROL WITH EMS.

DUCTLESS MINI-SPLIT - OUTDOOR UNIT SCHEDULE

UNIT NO.	CU-1	
SERVICE	AC-1	
LOCATION	ROOF	
COOLING TONS (MBH)	3.5 (42)	
SEER/COP	14.8 MINIMUM/3.2	
MCA	44	
COMPRESSOR	INVERTER	
MAXIMUM INTAKE DB	115°	
MINIMUM INTAKE DB	-13°	
REFRIGERANT	R410A	
NET WEIGHT	APPROX. 300 LBS	
ELECT. CHRA. (V/PH/HZ)	208/230V, 1PH, 60HZ	
ACCESSORY WIND BAFFLE	WB-PA3 (x2)	
DESIGN BASED MODEL	PUZ-HA42NKA	
DESIGN BASED MANUFACTURER	MITSUBISHI ELECTRIC	

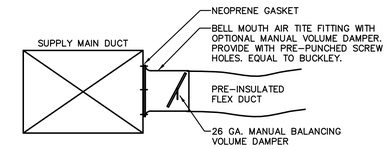
NOTES:
1. SEE SCHEMATICS, DETAILS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.
2. PROVIDE THE FOLLOWING ACCESSORIES: CONDENSING UNIT MOUNTING PAD & DISCONNECT KIT.
3. INSTALL PER ALL APPLICABLE CODES AND MANUFACTURERS INSTALLATION INSTRUCTIONS. TYPICAL.

MECHANICAL ABBREVIATIONS

A	AMPERES
AC	ALTERNATING CURRENT (60 HZ)
AF	AIR FILTER
AFF	ABOVE FINISHED FLOOR
AMP	AMPERE
BDD	BACK DRAFT DAMPER
BHP	BRAKE HORSE POWER
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT/HOUR
C	CONDUIT
CB	CIRCUIT BREAKER
CENTRIF	CENTRIFUGAL
CFM	CUBIC FEET PER MINUTE
CIR	CIRCUIT
COND	CONDUCTOR
DISC	DISCONNECT
DB	DRY BULB
EAT	ENTERING AIR TEMPERATURE
EF	EXHAUST FAN
ESP	EXTERNAL STATIC PRESSURE
EX	EXISTING
EXH	EXHAUST
FD	FIRE DAMPER
FFF	FROM FINISHED FLOOR
FT	FEET
GFCI	GROUND-FAULT CIRCUIT-INTERRUPTER
GPM	GALLONS PER MINUTE
HD	HEAVY DUTY
HP	HORSEPOWER
ID	INSIDE DIAMETER
IN	INCHES
IS	ISOLATING SWITCH
J	JUNCTION
JB	JUNCTION BOX
KA	KILOAMPERE
KV	KILOVOLT
KVA	KILO-AMPERE
KW	KILOWATT
L	LENGTH
NTS	NOT TO SCALE
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
PNL	PANELBOARD
R	RETURN
RECPT	RECEPTACLE
SP	STATIC PRESSURE
T	THERMOSTAT
TEMP	TEMPERATURE
TC	TIME CONTROLLER
TYP	TYPICAL
UL	UNDERWRITER'S LABORATORY
UTIL	UTILITY
V	VOLTS
VA	VOLT-AMPERES
W	WATTS
WP	WEATHERPROOF

MECHANICAL GENERAL NOTES

1. DRAWINGS ARE DIAGRAMMATIC. THEY INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT. DRAWINGS ARE NOT TO BE SCALED. ORIGINAL ARCHITECTURAL DRAWINGS AND DETAILS SHALL BE EXAMINED FOR EXACT LOCATION OF FIXTURES AND EQUIPMENT. WHERE THEY ARE NOT DEFINITELY LOCATED, THE INFORMATION SHALL BE OBTAINED FROM THE OWNER OR AUTHORIZED REPRESENTATIVE.
2. UNLESS OTHERWISE INDICATED, PROVIDE COMPLETE AND OPERATIONAL MECHANICAL SYSTEMS INCLUDING ALL NECESSARY MATERIAL, LABOR, AND EQUIPMENT.
3. UNLESS OTHERWISE INDICATED, PROVIDE CONTROL WIRING FOR ALL MECHANICAL SYSTEM EQUIPMENT. INSTALL PER N.E.C.
4. ALL EQUIPMENT AND MATERIAL SHALL BE LABELED AND LISTED AND INSTALLED IN ACCORDANCE WITH THEIR LISTING.
5. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND ARRANGE FOR ALL REQUIRED INSPECTIONS IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES.
6. ALL WORK SHALL BE DONE WITH LICENSED WORKMEN IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES.
7. THE TERM "INDICATED" SHALL MEAN "AS SHOWN ON CONTRACT DOCUMENTS (SPECIFICATIONS, DRAWINGS, AND RELATED ATTACHMENTS)."
8. THE TERM "PROVIDE" SHALL MEAN "TO FURNISH, INSTALL, AND CONNECT COMPLETELY."
9. SUBMIT FOR REVIEW, DETAILED SHOP DRAWINGS OF ALL EQUIPMENT AND MATERIAL REQUIRED TO COMPLETE THE WORK. NO MATERIAL OR EQUIPMENT MAY BE DELIVERED TO THE JOBSITE OR INSTALLED UNTIL ACCEPTED SHOP DRAWINGS FOR THE PARTICULAR MATERIAL OR EQUIPMENT HAS BEEN APPROVED BY THE OWNER OR HIS AUTHORIZED REPRESENTATIVE. 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 IS 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.
10. MECHANICAL PLANS AND DETAILS DO NOT SHOW ALL INTERFERENCES AND CONDITIONS, VISIBLE AND/OR HIDDEN, THAT MAY EXIST; THUS, REQUIRING THE CONTRACTOR TO INSPECT AND SURVEY THE SPACE BEFORE PERFORMING THE WORK.
11. CONTRACTOR SHALL COORDINATE ELECTRICAL REQUIREMENTS OF MECHANICAL EQUIPMENT WITH DIVISION 16.
12. TURN OVER TO THE OWNER ALL MANUFACTURER'S WARRANTIES FOR EQUIPMENT AND MATERIALS PROVIDED.
13. THE CONTRACTOR MAY SUBSTITUTE EQUIPMENT OF ANOTHER MANUFACTURER IF IT IS OF EQUAL QUALITY AND RATING, SUBJECT TO OWNER'S AND ENGINEER'S REVIEW AND ACCEPTANCE. WHERE CONTRACTOR SUBSTITUTES EQUIPMENT REQUIRING A DIFFERENT SYSTEM CONFIGURATION, HE SHALL BE RESPONSIBLE FOR PROVIDING INSTALLATION SHOP DRAWINGS AND ALL RELATED ACCESSORY EQUIPMENT FOR A COMPLETE SYSTEM INSTALLATION.
14. 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 AND CLEARANCES.
15. BEFORE CUTTING OR DRILLING INTO BUILDING ELEMENTS, INSPECT AND LAYOUT WORK TO AVOID DAMAGING STRUCTURAL ELEMENTS AND BUILDING UTILITIES.
16. ALL WORK SHALL BE DONE IN ACCORDANCE WITH (THE LATEST ACCEPTED):
    A. CONNECTICUT BUILDING CODE
    B. BASIC BUILDING CODE
    C. SUPPLEMENT
    D. INTERNATIONAL MECHANICAL CODE
    E. ANSI STANDARDS
17. LOCATE ALL EQUIPMENT WHICH REQUIRES SERVICING IN FULLY ACCESSIBLE POSITIONS. IF REQUIRED FOR BETTER ACCESSIBILITY, FURNISH ACCESS DOORS FOR THE PURPOSE. MINOR DEVIATIONS FROM DRAWINGS MAYBE MADE TO ALLOW FOR BETTER ACCESSIBILITY. ANY CHANGE SHALL BE SUBMITTED TO THE OWNER OR HIS AUTHORIZED REPRESENTATIVE FOR REVIEW.
18. ASCERTAIN FROM EXAMINATION OF THE DRAWINGS, ANY SPECIAL TEMPORARY OPENINGS IN THE BUILDING REQUIRED FOR THE ADMISSION OF APPARATUS PROVIDED UNDER THIS DIVISION. NOTIFY THE OWNER ACCORDINGLY. IN THE EVENT OF FAILURE TO GIVE SUFFICIENT NOTICE TO THE CONTRACTOR IN TIME TO ARRANGE FOR OPENINGS DURING CONSTRUCTION, ASSUME ALL COSTS OF PROVIDING SUCH OPENINGS THEREAFTER. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASSEMBLY AND DISASSEMBLY OF EQUIPMENT AS REQUIRED TO PLACE EQUIPMENT IN ITS FINAL LOCATION.
19. UNLESS OTHERWISE INDICATED, PROVIDE 14 GAUGE GALVANIZED PIPE SLEEVES TWO (2) SIZES LARGER THAN THE PIPE OR INSULATION WHERE SUCH ASSEMBLIES PENETRATE WALLS, PARTITIONS, FLOORS, OR STRUCTURAL MEMBERS.
20. ALL VOIDS BETWEEN PIPE SLEEVES AND PIPES SHALL BE FILLED WITH A FIRE TESTED AND APPROVED ELASTOMERIC CAULKING MATERIAL.
21. UNLESS OTHERWISE INDICATED, SUPPORT PIPES WITH HANGER SPACING IN ACCORDANCE WITH THE BOCA NATIONAL MECHANICAL CODE.
22. CONTRACTOR SHALL MAKE ADEQUATE PROVISIONS FOR PIPE EXPANSION, CONTRACTION, SLOPE, AND ANCHORAGE.
23. ALL FIRE DAMPERS ARE TO BE DYNAMICALLY RATED. TYPICAL.



SUPPLY BRANCH DUCT TAKEOFF DETAIL
NOT TO SCALE

ME DESIGN ASSOCIATES, INC
MECHANICAL DESIGN & CONSULTING
Division of The Salamone Group, LLC
116 North Plains Industrial Rd • Wallingford • CT • 06492

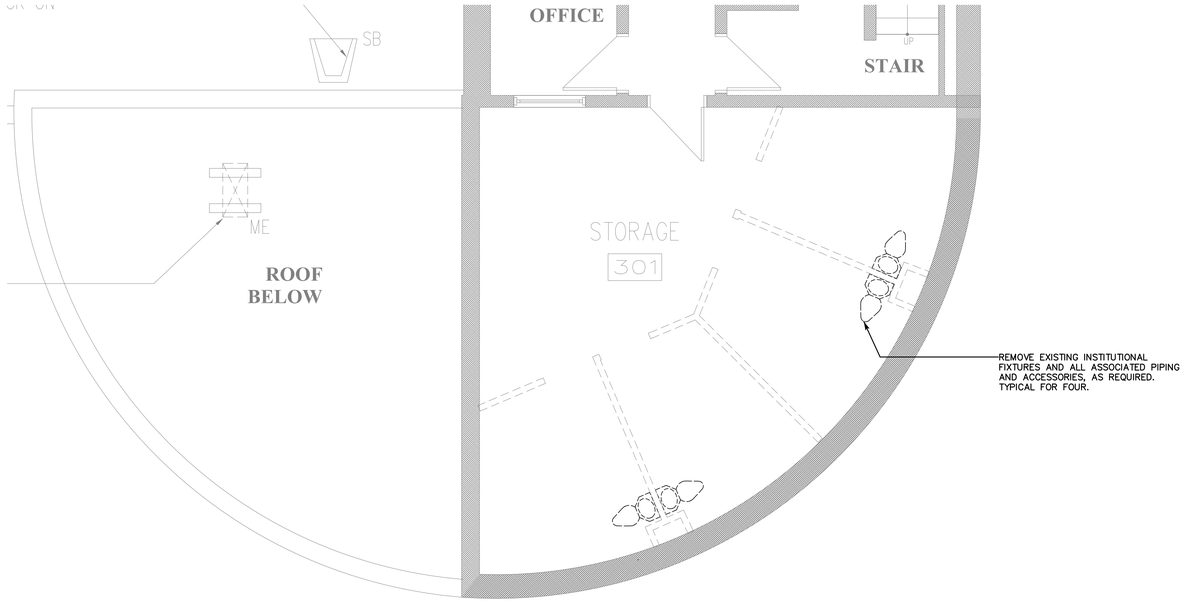
NEW DISPATCH CENTER
FOR THE
WEST HARTFORD POLICE
WEST HARTFORD, CONNECTICUT
103 RAYMOND ROAD

JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

ABBREVIATIONS, GENERAL NOTES, DETAILS, AND SCHEDULES

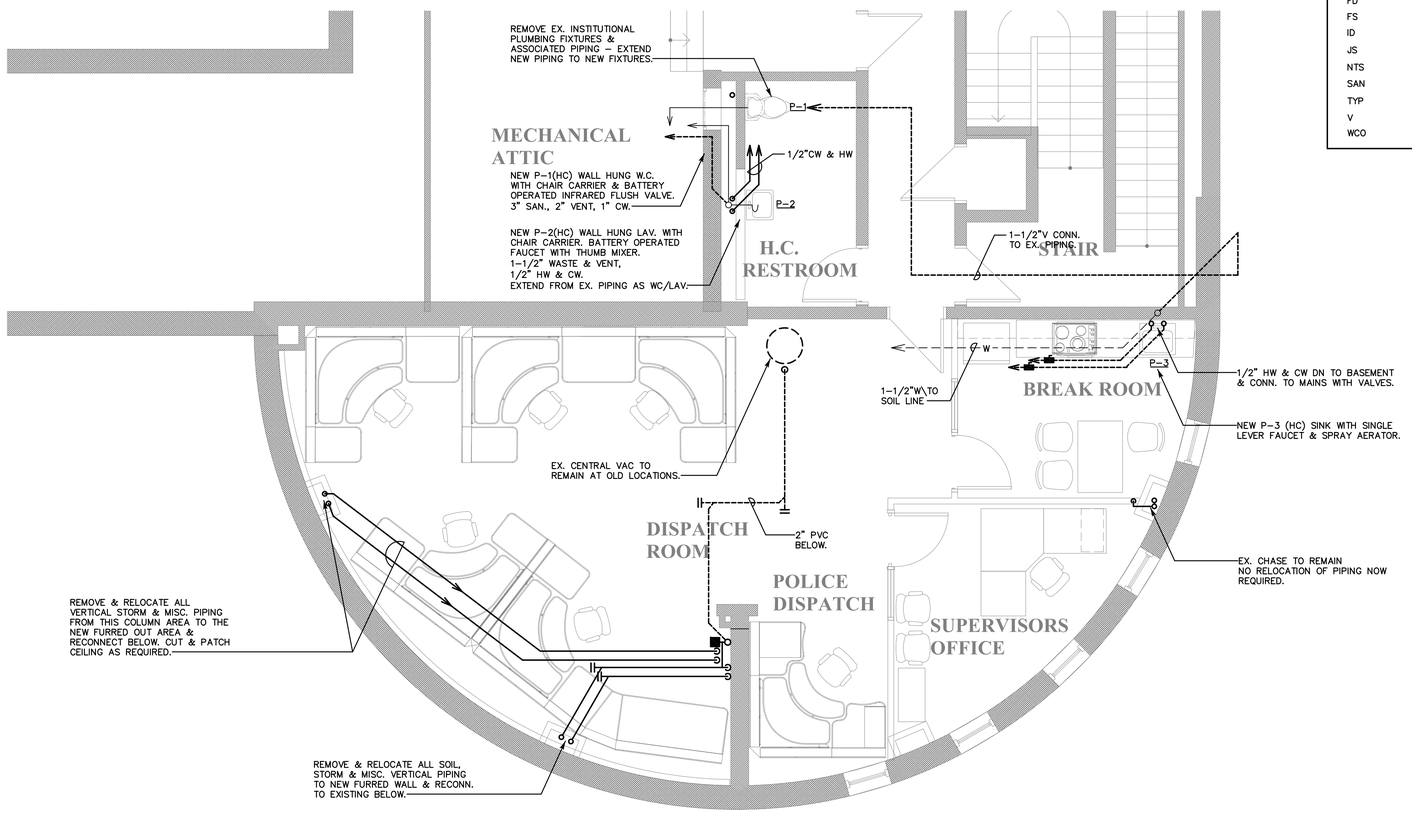
MECHANICAL

PROJ. NO.	DRAWING NO.
SCALE: NOT TO SCALE	M-4
DATE: APRIL 22, 2016	



ALTERNATE #1 THIRD FLOOR PLUMBING DEMOLITION PLAN

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



PROPOSED SECOND FLOOR PLUMBING PLAN

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

PLUMBING SYMBOL LIST

	BALL VALVE
	GATE VALVE
	CHECK VALVE
	PIPE ELBOW, TURNED UP
	PIPE ELBOW, TURNED DOWN
CC	FLOOR DRAIN
	FLOOR SINK
	DOM. COLD WATER SUPPLY PIPING
	DOM. HOT WATER SUPPLY PIPING
	VENT PIPING
	UNDERFLOOR OR UNDERGROUND PIPING TO BE PROVIDED
	PIPING OR EQUIPMENT TO BE PROVIDED
	DIRECTION OF FLOW
CO	CLEAN-OUT
	TRAP PRIMER

PLUMBING ABBREVIATIONS

AFF	ABOVE FINISH FLOOR
CO	CLEAN OUT
COMB D & V	COMBINATION DRAIN AND VENT
DCW	DOMESTIC COLD WATER
DHWR	DOMESTIC HOT WATER RETURN
DHWS	DOMESTIC HOT WATER SUPPLY
DN	DOWN
DWH	DOMESTIC HOT WATER HEATER
FCO	FLOOR CLEAN OUT
FD	FLOOR DRAIN
FS	FLOOR SINK
ID	INDIRECT WASTE
JS	JANITOR SINK
NTS	NOT TO SCALE
SAN	SANITARY
TYP	TYPICAL
V	SANITARY VENT
WCO	WALL CLEAN OUT

PLUMBING GENERAL NOTES

1. NOTES BELOW ARE NOT INTENDED TO REPLACE SPECIFICATIONS. SEE SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO GENERAL NOTES.
2. PROVIDE FIXTURE SHUT-OFF VALVES AND P-TRAPS FOR ALL FIXTURES PROVIDED. PROVIDE SANITARY, WASTE AND DOMESTIC WATER PIPING AS REQUIRED FOR ALL FIXTURES PROVIDED.
3. REFER TO AND CAREFULLY CHECK ARCHITECTURAL, ELECTRICAL AND MECHANICAL DRAWINGS AND DETAILS, NOTING LOCATIONS WHERE WALLS, PARTITIONS, CEILINGS AND OTHER SURFACES ARE FURRED, LOCATION OF PIPE SLEEVES, LOCATIONS OF PIPE SHAFTS AND CONFLICTS WITH WORK OF OTHER TRADES AND ARRANGE WORK ACCORDINGLY. FURNISH ALL OFFSETS, FITTINGS, VALVES, DRAINS, ETC. REQUIRED TO MEET SUCH CONDITIONS.
4. DUE TO SCALE OF DRAWINGS, ALL REQUIRED OFFSETS, FITTINGS, VALVES, DRAINS, ETC. MAY NOT BE INDICATED.
5. ALL PIPING PASSING THROUGH FIRE RATED WALLS SHALL BE PROVIDED WITH SCHEDULE 40 STEEL PIPE SLEEVES AND SPACE BETWEEN EXTERIOR OF PIPE AND INTERIOR OF PIPE SLEEVE PACKED WITH A FIRE RATED MATERIAL EQUAL TO THE RATING OF THE WALL.
6. UNLESS OTHERWISE INDICATED, PROVIDE A COMPLETE AND OPERATIONAL MECHANICAL SYSTEM INCLUDING ALL NECESSARY MATERIAL, LABOR AND EQUIPMENT.
7. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND ARRANGE FOR ALL REQUIRED INSPECTIONS IN ACCORDANCE WITH STATE AND LOCAL GOVERNING CODES.
8. THE TERM "PROVIDE" SHALL MEAN "TO FURNISH, INSTALL AND CONNECT COMPLETELY."
9. 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.
10. ALL WORK SHALL BE DONE WITH LICENSED WORKMEN IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES.
11. CONTRACTOR SHALL MAKE ADEQUATE PROVISIONS FOR PIPE SLOPE AND ANCHORAGE.
12. BEFORE CUTTING OR DRILLING INTO BUILDING ELEMENTS, INSPECT AND LAYOUT WORK TO AVOID DAMAGING STRUCTURAL ELEMENTS AND BUILDING UTILITIES.
13. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST ACCEPTED:
    - A. STATE BUILDING AND PLUMBING CODES
    - B. INTERNATIONAL BUILDING CODE
    - C. INTERNATIONAL MECHANICAL CODE
    - D. ASTM & ANSI STANDARDS.
    - E. INTERNATIONAL PLUMBING CODE
    - F. FIRE SAFETY CODE
14. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR AND PAYMENT FOR ALL UTILITIES DAMAGED DURING CONSTRUCTION.
15. CONTRACTOR TO CONFIRM PIPE LOCATIONS, ELEVATIONS, AND SIZES BEFORE ANY WORK IS STARTED. IF ANY DISCREPANCIES ARE FOUND NOTIFY ENGINEER BEFORE PROCEEDING WITH WORK.
16. PROVIDE WATER SERVICE SHUT OFF VALVES ON WATER SUPPLY IMMEDIATELY ADJACENT TO PLUMBING FIXTURES.
17. PROVIDE SEISMIC BRACING OF ALL PLUMBING PIPES PER STATE BUILDING CODE.
18. PROVIDE WATER HAMMER ARRESTERS FOR ALL FLUSH VALVES. SIZE AND LOCATE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
19. FOLLOW MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS FOR INSTALLATION OF PROVIDED EQUIPMENT.
20. ALL PIPES THAT PENETRATE WALLS, FLOORS AND CEILINGS IN FINISHED AREAS SHALL RECEIVE CHROME PLATED METAL ESCUTCHEONS.
21. ALL SHOP DRAWINGS OF INDIVIDUAL COMPONENTS ARE TO BE SUBMITTED AS A COMPLETE PACKAGE.
22. ALL SHOP DRAWINGS OF RELATED COMPONENTS SHALL BE SUBMITTED AS A COMPLETE PACKAGE.
23. ALL WORK IN INTERIOR FINISHED SPACES IS TO BE CONCEALED BEHIND WALLS, ABOVE CEILINGS, OR UNDER THE FLOOR. PROVIDE ALL NECESSARY CUTTING, PATCHING, REPAINTING AND/OR REPLACEMENT OF FINISHES AS REQUIRED TO PERFORM WORK.
24. WRITTEN REQUESTS FOR PLANNED SHUTDOWN OR INTERRUPTION OF BUILDING SERVICES, SYSTEMS OR EQUIPMENT SHALL BE MADE IN WRITING 72 HOURS PRIOR TO START OF THE REQUESTED SHUTDOWN PERIOD.
25. SUPPORT PIPING ABOVE SUSPENDED CEILING, FROM CONSTRUCTION ABOVE, AS CLOSE AS POSSIBLE TO BOTTOM OF SLABS, BEAMS, MAINTAINING MAXIMUM HEADROOM AT ALL TIMES.
26. PROVIDE CLEANOUTS PER PLUMBING CODE.
27. ISLE AND CORRIDOR WAYS THROUGH CONSTRUCTION AREAS WHICH ARE REQUIRED FOR EGRESS (NORMAL OR EMERGENCY) SHALL BE KEPT CLEAR OF MATERIAL, EQUIPMENT, & DEBRIS.
28. CONTRACTOR SHALL COORDINATE ELECTRICAL REQUIREMENTS OF MECHANICAL EQUIPMENT WITH DIVISION 16.
29. COORDINATE VALVE ACCESS WITH ARCHITECTURAL. TYPICAL.

ME DESIGN ASSOCIATES, INC
MECHANICAL DESIGN & CONSULTING
Division of The Salamone Group, LLC
116 North Plains Industrial Rd • Wallingford • CT • 06492

NEW DISPATCH CENTER FOR THE WEST HARTFORD POLICE

WEST HARTFORD, CONNECTICUT

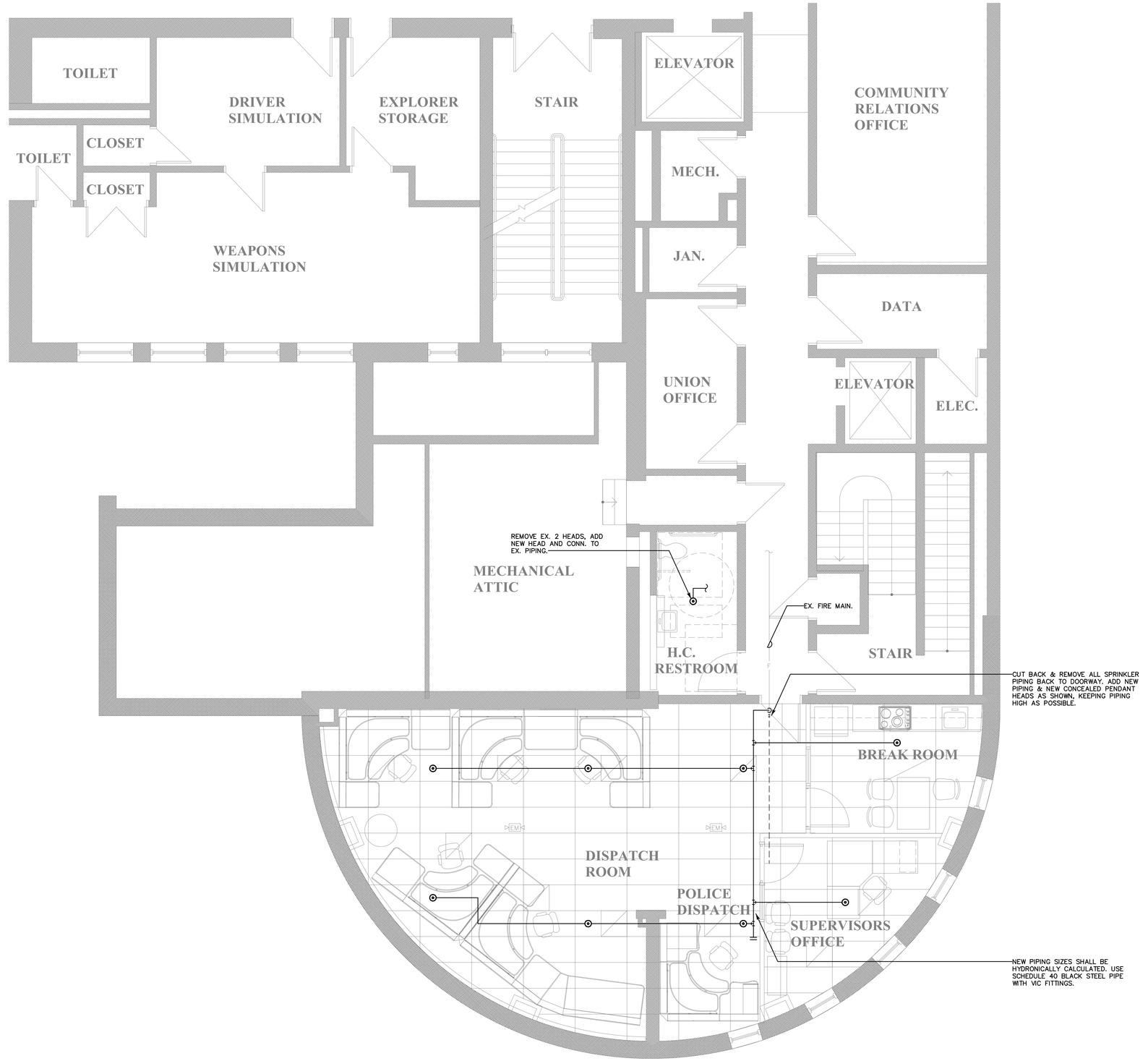
103 RAYMOND ROAD

JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

SECOND AND THIRD FLOOR PLANS

PLUMBING

PROJ. NO.	DRAWING NO. P-1
SCALE: 1/4" = 1'-0"	
DATE: APRIL 22, 2016	



GENERAL NOTES AND SPECIFICATIONS DIV. 15

A. GENERAL CONDITIONS

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL CODES HAVING JURISDICTION.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BUILDING PERMITS, ETC.
3. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE OWNER.
4. CONTRACTOR SHALL VISIT THE SITE AND DETERMINE EXISTING CONDITIONS BEFOR SUBMITTING THEIR BID SO THAT THEY HAVE A FULL UNDERSTANDING OF THE WORK INVOLVED AS WELL AS THE DEMOLITION WORK REQUIRED.
5. ALL WORK ON THIS PROJECT INCLUDING ALL EQUIPMENT, LABOR, ETC. SHALL BE GUARANTEED TO BE FREE FROM DEFECTS FOR A PERIOD OF ONE YEAR FROM THE FINAL COMPLETION DATE AS ESTABLISHED BY THE ARCHITECT.

M/E DESIGN ASSOCIATES, INC
MECHANICAL DESIGN & CONSULTING
Division of The Salamone Group, LLC
116 North Plains Industrial Rd • Wallingford • CT • 06492

NEW DISPATCH CENTER
FOR THE
WEST HARTFORD POLICE
WEST HARTFORD, CONNECTICUT

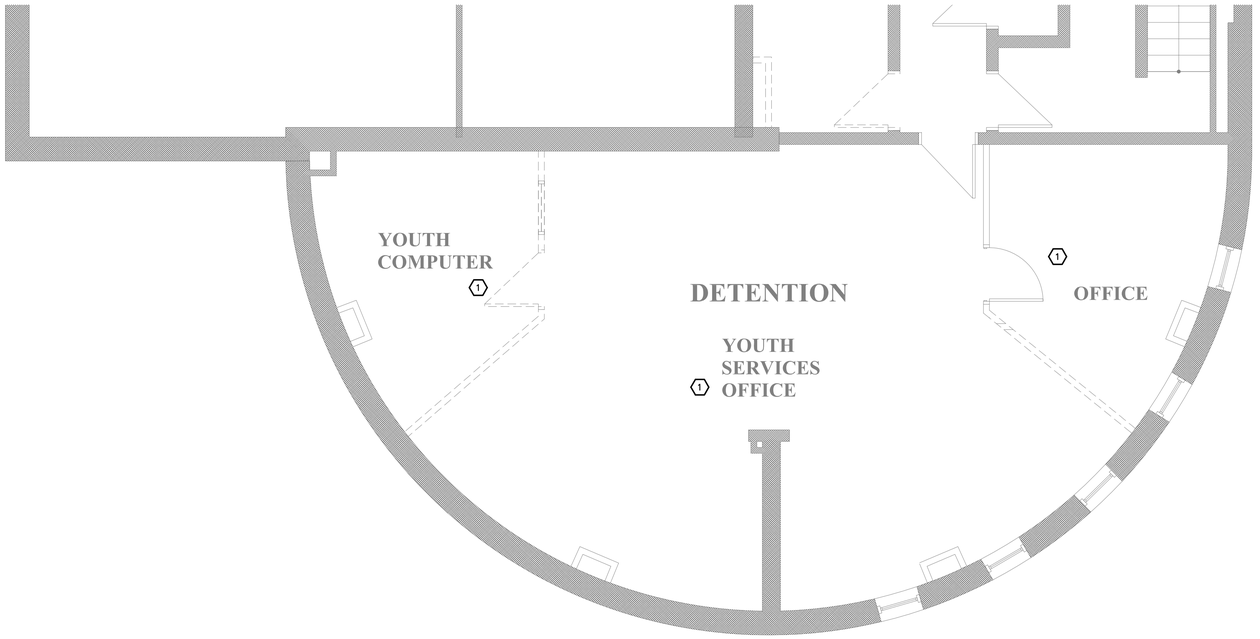
103 RAYMOND ROAD

JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

SECOND FLOOR PLAN

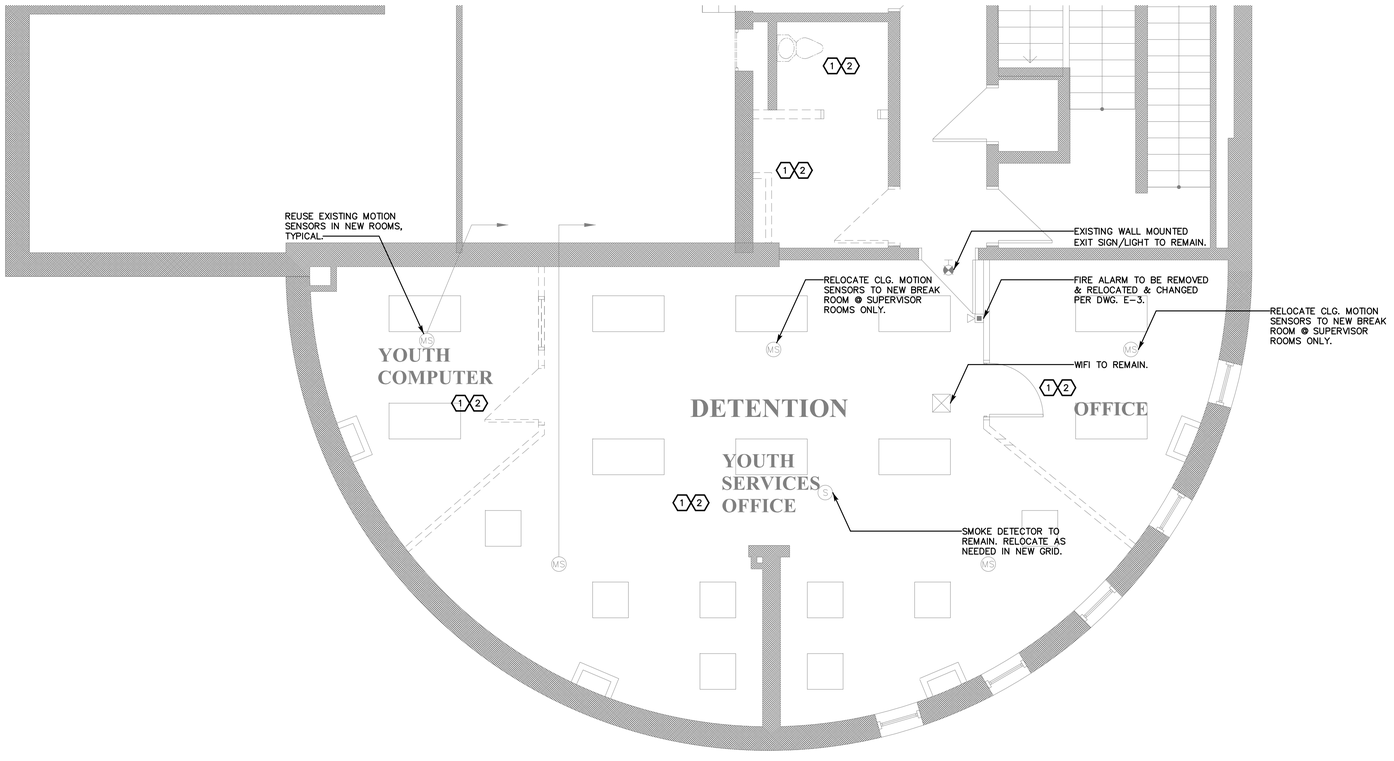
FIRE PROTECTION

PROJ. NO.	DRAWING NO.
SCALE: 1/4" = 1'-0"	FP-1
DATE: APRIL 22, 2016	



POWER DEMOLITION PLAN

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



LIGHTING DEMOLITION PLAN

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

DEMO SCHEDULE

	EXISTING 2'x4' LIGHT FIXTURE
A	NEW 2x4 GRID MTD. – ARCH STYLE FLUORESCENT WITH (3)32W T8 LAMPS, 120V COLUMBIA SER24–332–GC–EU.
	EXISTING 2'x2' LIGHT FIXTURE
B	NEW REPLACEMENT CORRIDOR LIGHTING, VERY LOW PROFILE 12" TOTAL HEIGHT REQ'D, ARCH STYLE W/(2)T5 LAMPS, 120 VAC, COLUMBIA 2PT22–224HO–G–FCP.
C	WALL MOUNTED MIRROR LIGHT LED UP/DN 4' 3200 LUMENS, ACRYLIC NEW WMAUD–4–LED–PH32_840U–PH32_840D–AF–ED–PHU–ED–PHD–UNV 120V.
EXIT	EXISTING UNIVERSAL CLG/WALL CANOPY LED EXIT LT WITH BATTERY BACK–UP
EM	NEW FLUSH CLG. MTD. TWN HEADS EMERGENCY LT.
	EXISTING WALL MOUNTED EXIT LIGHT TO REMAIN.
MS	EXISTING MOTION SENSOR TO REMAIN.
MS	MOTION SENSOR.
S	SMOKE DETECTOR
SP	EXISTING SPEAKER
	EXISTING CONDUIT.
	NEW CONDUIT.
	EXISTING FIRE ALARM HORN STROBE DEVICE @ 80" A.F.F.
$	EXISTING SWITCH TO REMAIN.
$	SWITCH = (NONE) – SINGLE POLE 3 – THREE WAY D – DIMMER M – MOTION/INFRARED

DEMOLITION SYMBOL LEGEND

1	INDICATES ALL POWER EQUIPMENT IN THIS SPACE, INCLUDING ASSOCIATED WIRING AND CONDUIT SHALL BE REMOVED BACK TO LAST ACTIVE SOURCE.
2	REMOVE ALL LIGHTING FIXTURES & ASSOCIATED WIRING.

M/E DESIGN ASSOCIATES, INC
MECHANICAL DESIGN & CONSULTING
Division of The Salamone Group, LLC
116 North Plains Industrial Rd • Wallingford • CT • 06492

NEW DISPATCH CENTER
FOR THE
WEST HARTFORD POLICE

WEST HARTFORD, CONNECTICUT

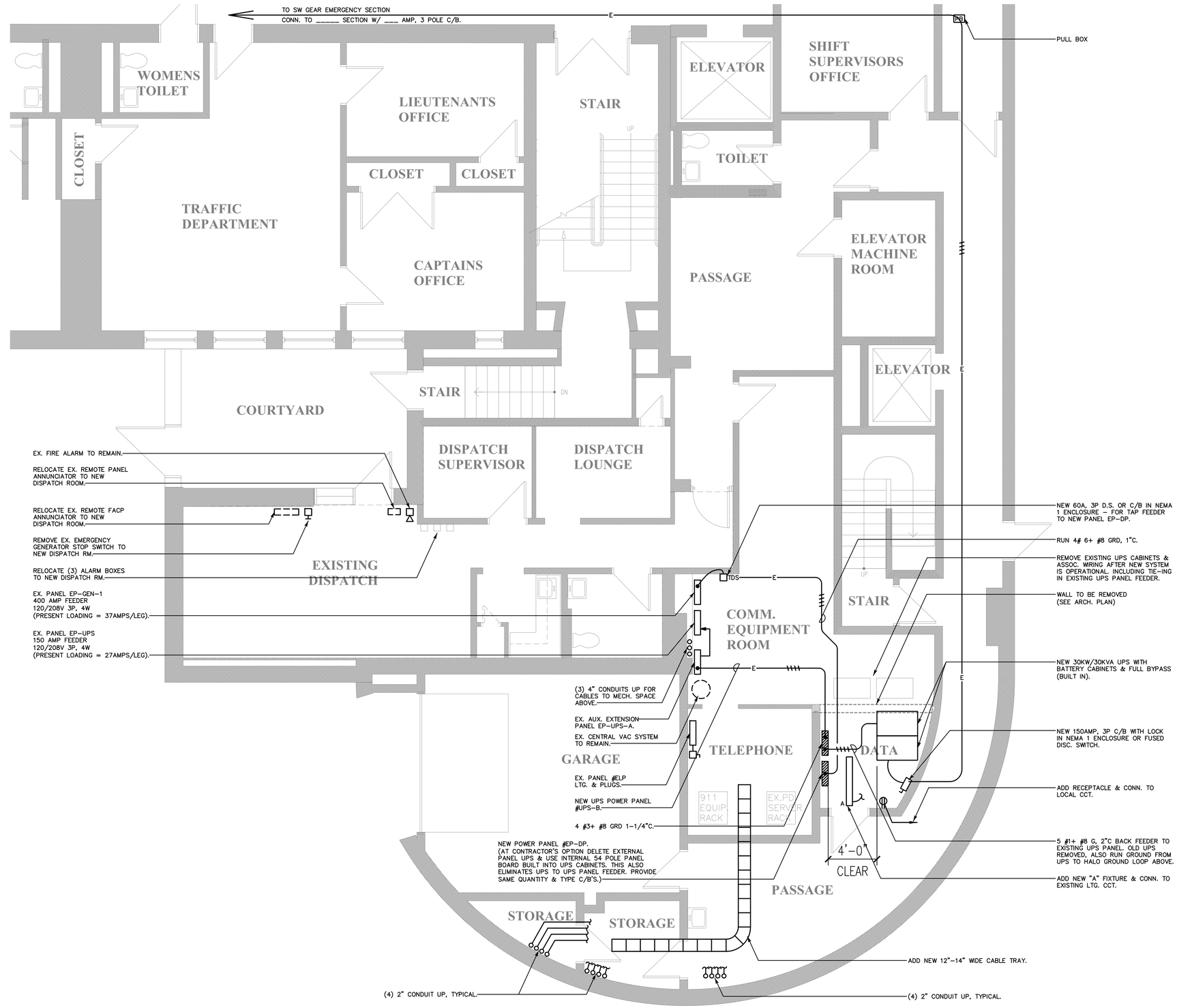
103 RAYMOND ROAD

JACUNSKI HUMES
ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

SECOND FLOOR DEMOLITION PLANS

POWER & LTG. PLAN

PROJ. NO.	DRAWING NO.
SCALE: 1/4" = 1'-0"	E-1
DATE: APRIL 22, 2016	



PROPOSED POWER PLAN

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

M/E DESIGN ASSOCIATES, INC
MECHANICAL DESIGN & CONSULTING
Division of The Salamone Group, LLC
116 North Plains Industrial Rd • Wallingford • CT • 06492

NEW DISPATCH CENTER
FOR THE
WEST HARTFORD POLICE
WEST HARTFORD, CONNECTICUT

103 RAYMOND ROAD

JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

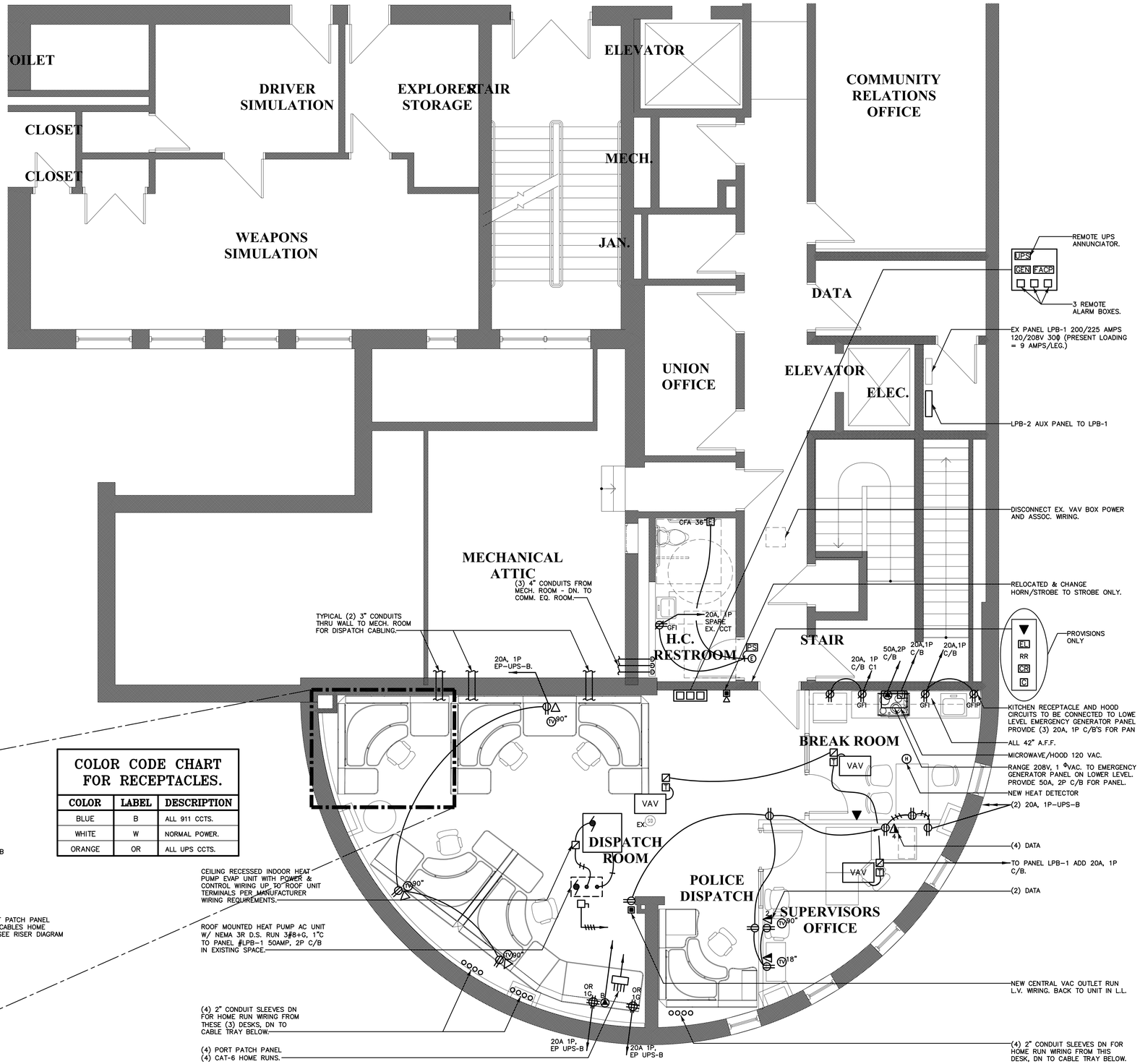
FIRST FLOOR PLAN

ELECTRIC POWER

PROJ. NO.	DRAWING NO.
SCALE: 1/4" = 1'-0"	E-2
DATE: APRIL 22, 2016	

PROPOSED SYMBOL LEGEND

EL	NEW ELECTRIC LATCH/HINGE W/ 3/4" EMT CONDUIT TO SECURITY EQUIPMENT.
RR	NEW REMOTE RELEASE. (DOOR RELEASE)
CR	NEW SECURITY ACCESS PROXIMITY READER @ 48" A.F.F. PROVIDE 2"x4" JB AND 3/4" EMT CONDUIT TO SECURITY EQUIPMENT IN CEILING SPACE WITH PULL CORD.
C	NEW DOOR CONTACT SECURITY EQUIPMENT.
T	TRANSFORMER.
E	NEW CALL FOR AID PULL STATION, 36" A.F.F. WITH CORD.
P PS	NEW CALL FOR AID HORN/STROBE LT OVER DOOR WITH POWER SUPPLY.
SD	SMOKE DETECTOR - EXISTING REINSTALLED IN NEW CLG.
TV	NEW CABLE TV JACK WITH HOME RUN CABLE TO TV SERVICE AT HEIGHT A.F.F. AS NOTED TO BE ABOVE SUSPENDED CEILING.
▼	NEW TELE - 1 HOME RUN, 48" A.F.F. (1) CAT 6 (GREY)
▼	NEW DATA/TELE WITH 4 DATA/TELE CAT-6 (GREY).
▽	NEW 2 DATA HOME RUN (AT MONITOR & DIGITAL PROJECTORS). CAT 6 (GREY)
	NEW GROUNDED DUPLEX RECEPTACLE 18" A.F.F.
	NEW GROUNDED DUPLEX @42" OR ABOVE COUNTER.
IG OR	NEW DOUBLE DUPLEX RECEPTICAL, 20A, SPEC GRADE - ISOLATED GROUNDED, INSTALLED IN DISPATCH CONSOLES IN SURFACE J.B. WHERE DETECTED.
W IG	DOUBLE DUPLEX GROUNDED RECEPTACLE MOUNTED IN A SURFACE TYPE DOUBLE JUNCTION BOX AND INSTALLED WHERE DIRECTED IN FIELD BY OWNERS RADIO VENDOR PROVIDE WHITE COVER PLATE LABEL "GENERATOR POWER ONLY."
	MANUAL MOTOR STARTER OR TT SWITCH.
	NEW FIRE ALARM STROBE DEVICE @ 80" A.F.F.
	NEW 911 (DRY) TWISTLOCK #L5-20 WIRED ALL TOGETHER AND HOME RUN TO 911 DRY TWISTLOCK RECEPTACLE.
PS	POWER SUPPLY/TRANSFORMER.
DS	DISCONNECT SWITCH.
GFI	GROUND FAULT PROTECTED
GFIP	GROUND FAULT PROTECTED
MBGB	MAIN BUSS GROUND BAR.
GB	MAIN GROUND BAR (SMALLER).
	NEW ELECTRICAL MOTOR.
H	NEW HEAT DETECTOR TO BE CONN. TO EX. FACP.

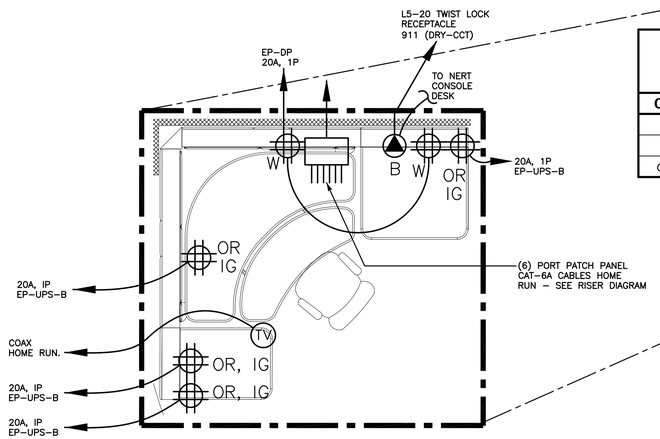


PROPOSED POWER & COMMUNICATIONS PLAN

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

COLOR CODE CHART FOR RECEPTACLES.

COLOR	LABEL	DESCRIPTION
BLUE	B	ALL 911 CCTS.
WHITE	W	NORMAL POWER.
ORANGE	OR	ALL UPS CCTS.



TYPICAL ALL (6) DISPATCH DESKS WIRING PLAN

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

NEW DISPATCH CENTER FOR THE WEST HARTFORD POLICE

103 RAYMOND ROAD

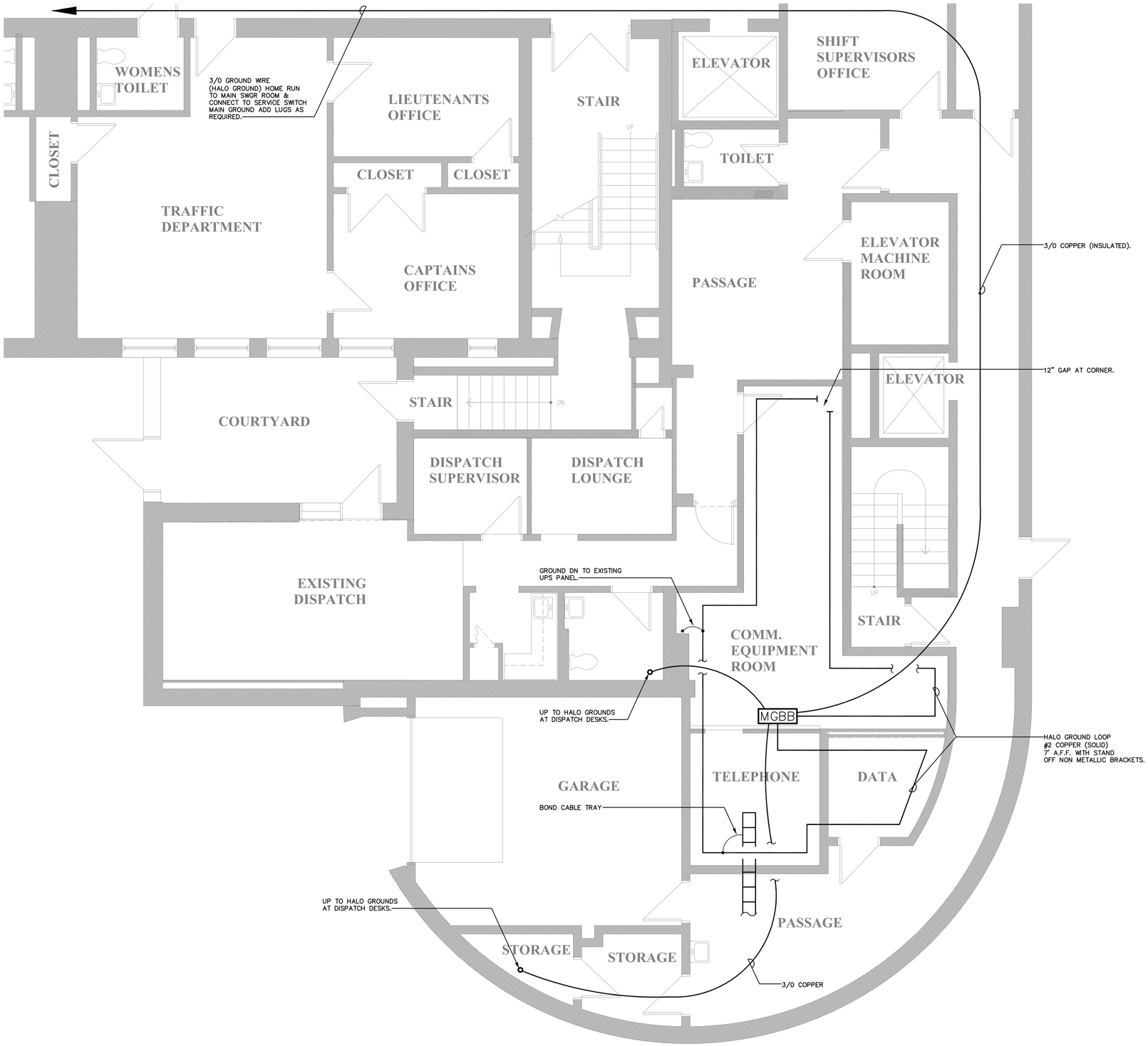
M/E DESIGN ASSOCIATES/ INC
MECHANICAL DESIGN & CONSULTING
Division of The Salamone Group, LLC
116 North Plains Industrial Rd • Wallingford • CT • 06492

JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

SECOND FLOOR PLAN

ELEC. POWER/ COMMUNICATIONS

PROJ. NO.	DRAWING NO.
SCALE: 1/4" = 1'-0"	E-3
DATE: APRIL 22, 2016	



PROPOSED HALO GROUND PLAN

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

M/E DESIGN ASSOCIATES, INC
MECHANICAL ENGINEERING & CONSULTING
Division of The Salamone Group, LLC
116 North Plains Industrial Rd • Wallingford • CT • 06492

NEW DISPATCH CENTER
FOR THE
WEST HARTFORD POLICE
WEST HARTFORD, CONNECTICUT

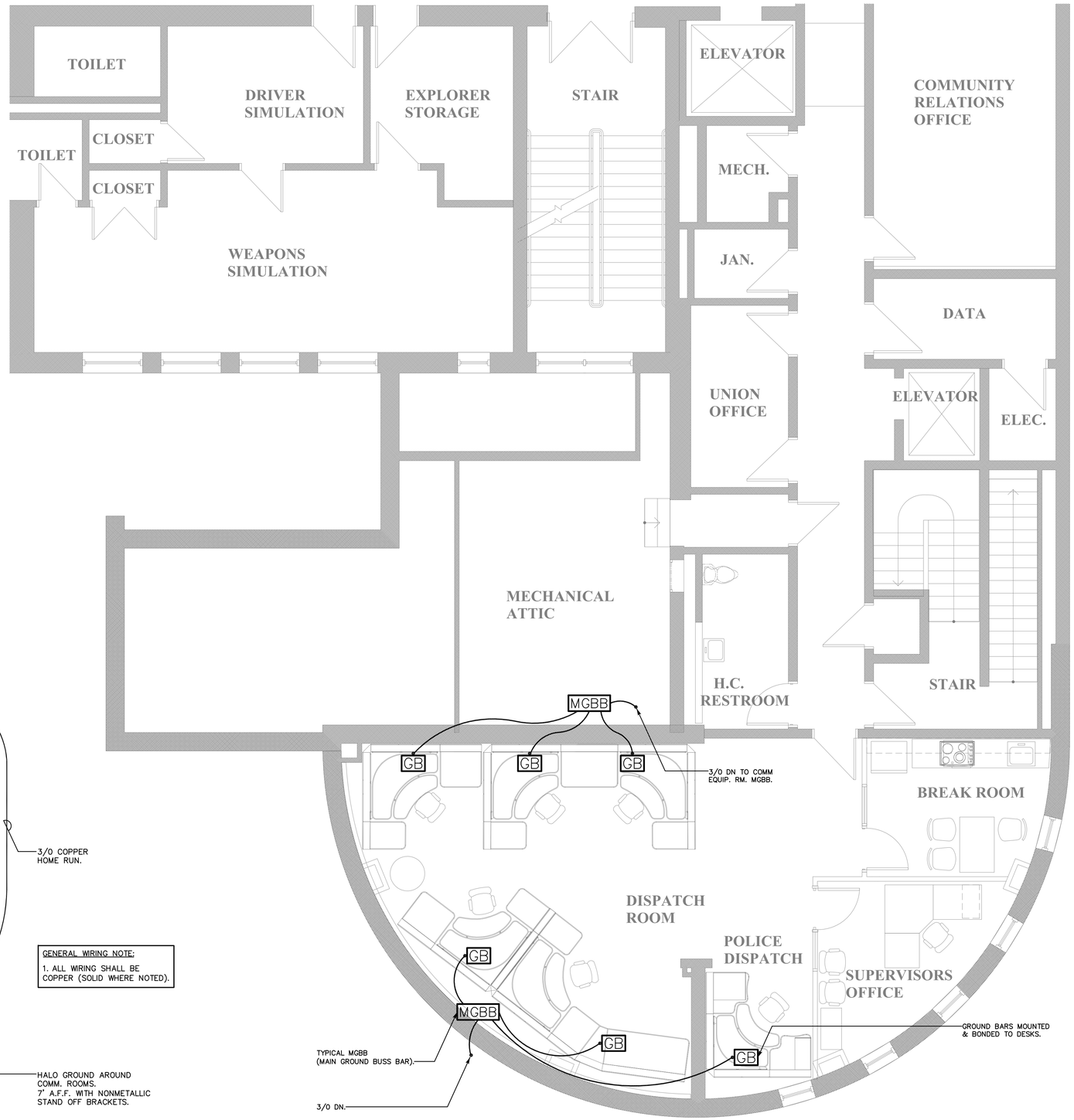
103 RAYMOND ROAD

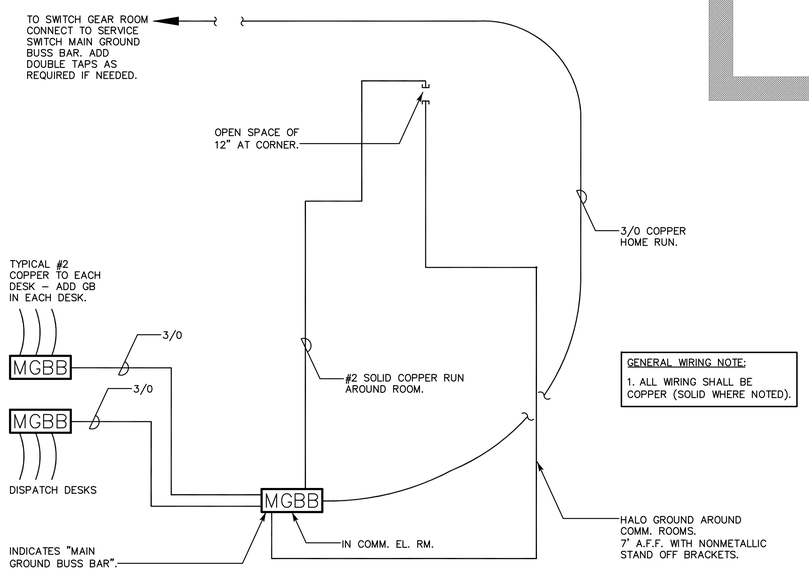
JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

FIRST FLOOR PLAN

HALO GROUND

PROJ. NO.	DRAWING NO.
SCALE: 1/4" = 1'-0"	E-4
DATE: APRIL 22, 2016	





GENERAL WIRING NOTE:

1. ALL WIRING SHALL BE COPPER (SOLID WHERE NOTED).

HALO GROUND RISER DIAGRAM

SCALE: N.T.S.

PROPOSED HALO GROUND PLAN

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

NEW DISPATCH CENTER FOR THE WEST HARTFORD POLICE

WEST HARTFORD, CONNECTICUT

103 RAYMOND ROAD

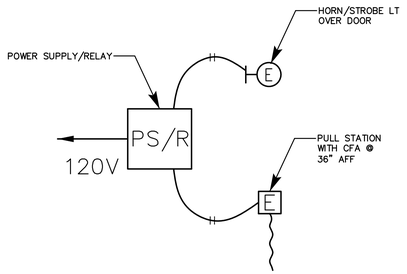
M/E DESIGN ASSOCIATES/ INC
MECHANICAL DESIGN & CONSULTING
Division of The Salamone Group, LLC
116 North Plains Industrial Rd • Wallingford • CT • 06492

JHI
JACUNSKI HUMES
ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

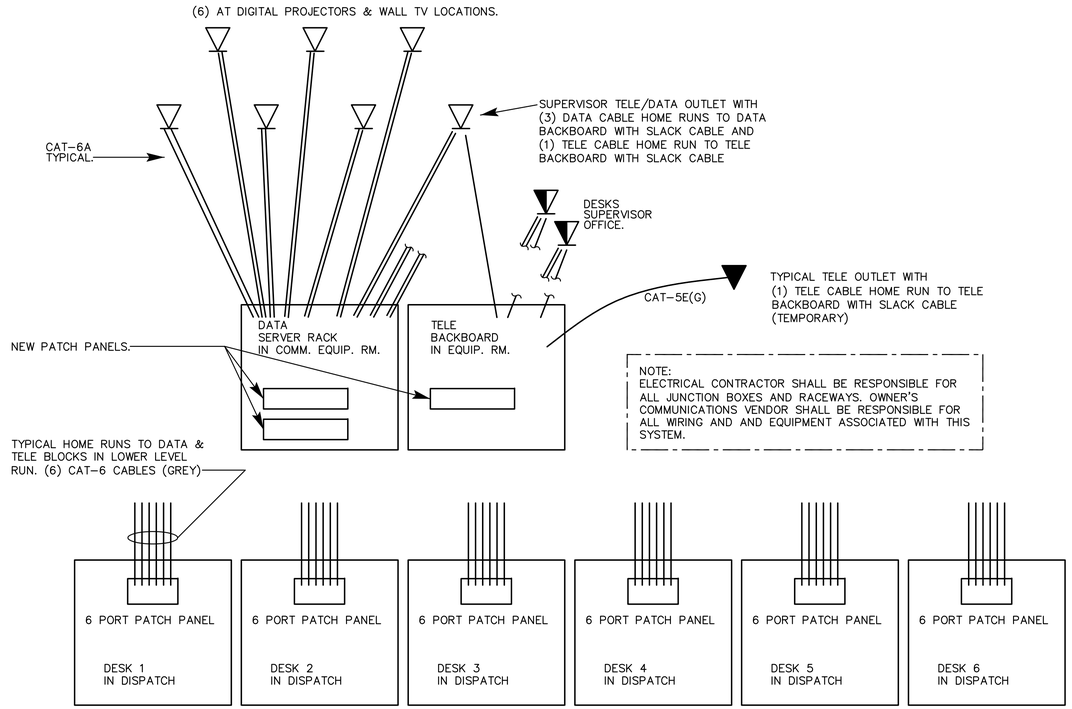
SECOND FLOOR PLAN

HALO GROUND

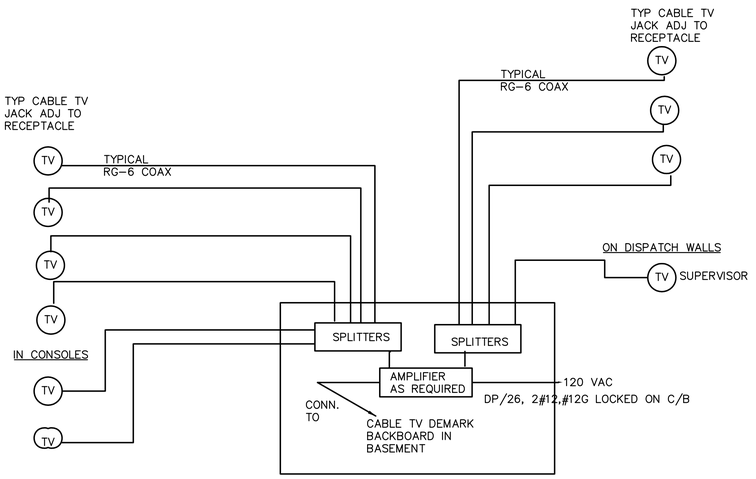
PROJ. NO.	DRAWING NO.
SCALE: 1/4" = 1'-0"	E-5
DATE: APRIL 22, 2016	



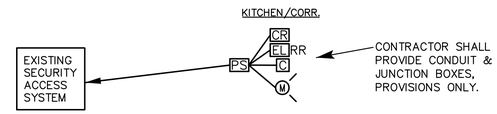
TOILET ROOM
CALL FOR AID RISER DIAGRAM
NOT TO SCALE



RISER DIAGRAM OF TELEPHONE AND DATA WIRING
NOT TO SCALE



SCHEMATIC CABLE TV SYSTEM RISER DIAGRAM
NOT TO SCALE



SECURITY ACCESS SYSTEM RISER
FURNISHED AND INSTALL BY OWNER'S VENDOR, N.I.C.
SCALE: N.T.S.

M/E DESIGN ASSOCIATES, INC
MECHANICAL ELECTRICAL DESIGN & CONSULTING
Division of The Salamone Group, LLC
116 North Plains Industrial Rd • Wallingford • CT • 06492

NEW DISPATCH CENTER
FOR THE
WEST HARTFORD POLICE
WEST HARTFORD, CONNECTICUT

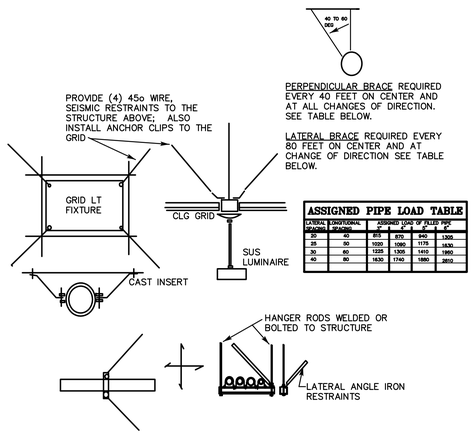
103 RAYMOND ROAD

JACUNSKI HUMES
ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

DETAILS & DIAGRAMS

ELECTRICAL

PROJ. NO.	DRAWING NO.
SCALE: 1/4" = 1'-0"	*E-6*
DATE: APRIL 22, 2016	



ASSIGNED PIPE LOAD TABLE					
LATERAL SPACING	LONGITUDINAL SPACING	2"	3"	4"	6"
30	40	855	870	940	1305
35	50	1090	1060	1175	1630
30	60	1220	1305	1410	1960
40	80	1630	1740	1880	2610

ELECTRICAL EQUIPMENT & MATERIALS – SEISMIC RESTRAINTS

(WHERE APPLICABLE – SEE SPECIFICATIONS)

EXISTING PANEL SCHEDULE FOR EP–UPS–A

CONNECT NEW FEEDER FROM NEW 30 KVA UPS AS REQUIRED TO BACKFEED POWER TO THIS PANEL.

NEW PANEL SCHEDULE FOR EP–UPS–B

225 AMP MAIN LUGS, 120/208V, 3ø, 4W, 60HZ (42 CCT) GE OR SQ D TYPE AQ SERIES BOLTED C/B'S, 11 KAIC MIN. (125 AMP TAP FEED FROM EXISTING PANEL EP–UPS–A

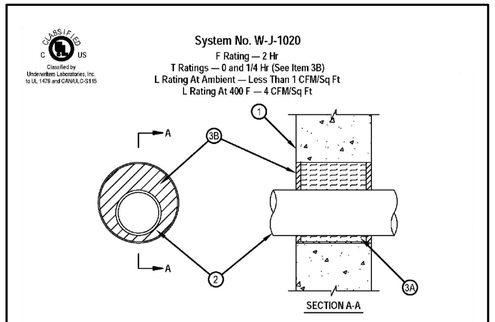
(29) 20A, 1P C/B'S – ACTIVE RECEPTACLE CIRCUITS.
(10) 20A, 1P C/B'S – SPARE.
(1) 100A, 3P C/B – BACK FEED FOR EX. UPS PANEL.
100 AMP MAIN C/B.

NEW PANEL SCHEDULE FOR EP–DP

125 AMP MAIN LUGS, 120/208V 3ø 4W, 60HZ. 11 KAIC MIN. PROVIDED WITH BUILT–IN "TVSS" SURGE SUPPRESSOR OR EXTERNAL ONE PER SPECIFICATIONS DIV. 16050, 2.3., GE OR SQ D TYPE AQ SERIES BOLTED BREAKERS WITH THE FOLLOWING CIRCUIT BREAKERS:

(10) 20A, 1P C/B'S – ACTIVE.
(10) 20A, 1P C/B'S – SPARE.
(1) 50A, 2P – AC–1 SYSTEM.
(1) 15A, 2P – AC–1 EVAP. UNIT IF NOT POWERED THRU AC–1 ROOF TOP. SPACE & BUS FOR 6 AMP, IP C/B'S.

OPTION NOTE:
AT CONTRACTOR'S OPTION DELETE EXTERNAL PANEL UPS & USE INTERNAL 54 POLE PANEL BOARD BUILT INTO UPS CABINETS. THIS ALSO ELIMINATES UPS TO UPS PANEL FEEDER. PROVIDE SAME QUANTITY & TYPE C/B'S.

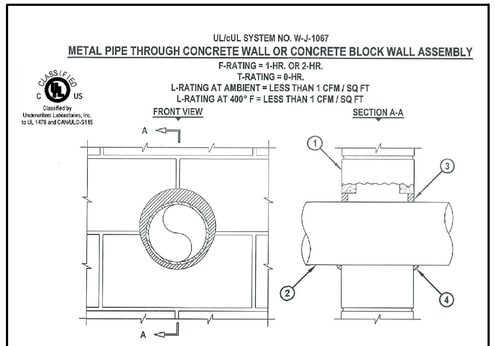


1. Wall Assembly — Min 5 in. thick reinforced lightweight or normal weight (100–150 pcf) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 8 in.
   See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. Through Penetrants — One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The annular space between pipe, conduit or tubing and periphery of opening shall be min 3/4 in. to max 3-1/2 in. The following types and sizes of metallic pipes, conduits or tubing may be used:
   A. Conduit — Nom 4 in. diam (or smaller) electrical metallic tubing or steel conduit.
   B. Copper Tubing — Nom 4 in. diam (or smaller) Type L (or heavier) copper tubing.
   C. Copper Pipe — Nom 4 in. diam (or smaller) Regular (or heavier) copper pipe.
3. Firestop System — The hourly F and T Rating for the firestop systems are dependent upon the type and size of pipe, annular space, fill material thickness and fill material type as described in the table below. When the annular space in the table shows a range of distances, the penetrating item may be installed either concentrically or eccentrically within the firestop system. The firestop systems shall consist of the following:
   A. Packing Material — Mineral wool batt insulation firmly packed into opening as a permanent form. As an option to the above, backer rod and/or foamed plastic backer material may be used. Packing material to be recessed from both surfaces of wall as required to accommodate the required thickness of fill material.
   B. Fill, Void or Cavity Material — Sealant* — Applied within the annulus, flush with both surfaces of wall as shown in the table below.

Pipe Type	Min Fill Mtl Thkns In.	F Rating Hr.	T Rating Hr.
2A	1/4	2	1/4
2B	1/2	2	0

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-One Sealant
*Bearing the UL Classification Mark

FIRE CAULKING DETAIL OF CONDUITS THROUGH FIRE WALL ASSEMBLY



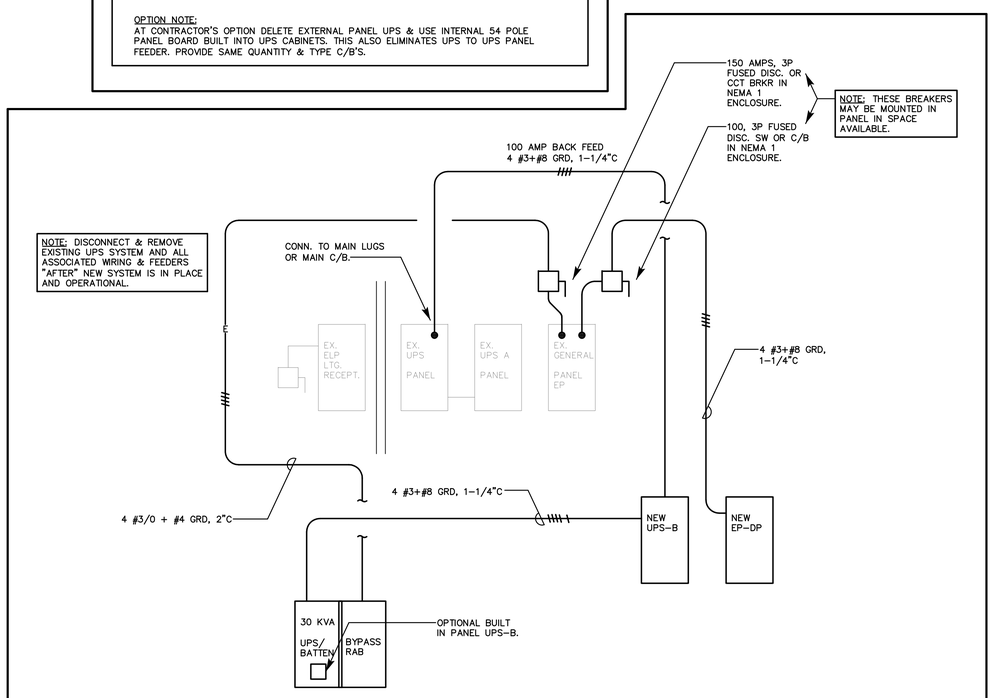
1. CONCRETE WALL ASSEMBLY (1-HR. OR 2-HR. FIRE-RATING) :
   A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE WALL (MIN. 3-3/4" THICK, FOR 1-HR. FIRE- RATING).
   B. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE WALL (MIN. 5" THICK, FOR 2-HR. FIRE-RATING).
   C. ANY UL/cUL CLASSIFIED CONCRETE BLOCK WALL.
2. PENETRATING ITEM TO BE ONE OF THE FOLLOWING :
   A. MAXIMUM 30" NOMINAL DIAMETER STEEL PIPE (SCHEDULE 10 OR HEAVIER).
   B. MAXIMUM 30" NOMINAL DIAMETER CAST IRON PIPE.
   C. MAXIMUM 6" NOMINAL DIAMETER COPPER PIPE.
   D. MAXIMUM 6" NOMINAL DIAMETER STEEL CONDUIT.
   E. MAXIMUM 4" NOMINAL DIAMETER EMT.
3. MINIMUM 5/8" DEPTH HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT.
4. MINIMUM 1/2" BEAD HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT APPLIED AT POINT OF CONTACT.

NOTES : 1. MAXIMUM DIAMETER OF OPENING = 32-1/4".
2. ANNULAR SPACE = MINIMUM 0", MAXIMUM 2-1/4".
3. PIPE MAY BE INSTALLED WITH CONTINUOUS POINT OF CONTACT.
4. PIPE MAY BE INSTALLED AT AN ANGLE NOT GREATER THAN 45° FROM PERPENDICULAR.

Hilti. Outperform. Outlast.

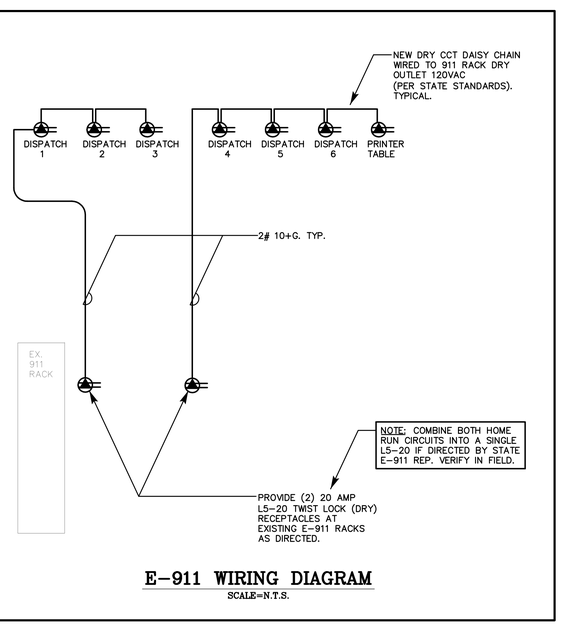
Hilti, Inc. (U.S.) 1-800-879-8000 www.us.hilti.com • en español 1-800-879-5300 • P.O. Box 21148, Tulsa, Oklahoma 74121
Hilti (Canada) Corp. 1-800-363-4458 www.hilti.ca • 2300 Meadowpine Blvd., Mississauga, Ontario L5N 6S2

FIRE CAULKING DETAIL OF CONDUITS THROUGH CMU BLOCK WALL ASSEMBLY



RISER DIAGRAM OF POWER & PANEL WIRING

SCALE=N.T.S.



E–911 WIRING DIAGRAM

SCALE=N.T.S.

ME
DESIGN ASSOCIATES, INC.
MECHANICAL ENGINEERS & CONSULTING
Division of The Salamone Group, LLC
116 North Plains Industrial Rd • Wallingford • CT • 06492

NEW DISPATCH CENTER FOR THE WEST HARTFORD POLICE

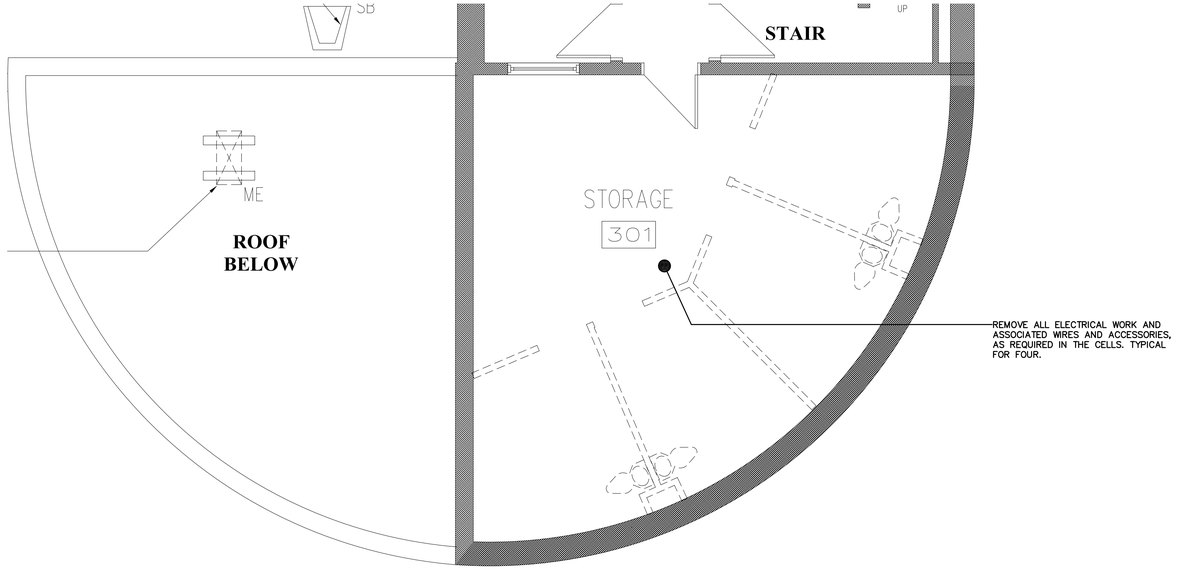
103 RAYMOND ROAD
WEST HARTFORD, CONNECTICUT

JHI
JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

PANEL SECHEDULES

ELECTRICAL

PROJ. NO.	DRAWING NO.
SCALE: AS NOTED	E-7
DATE: APRIL 22, 2016	

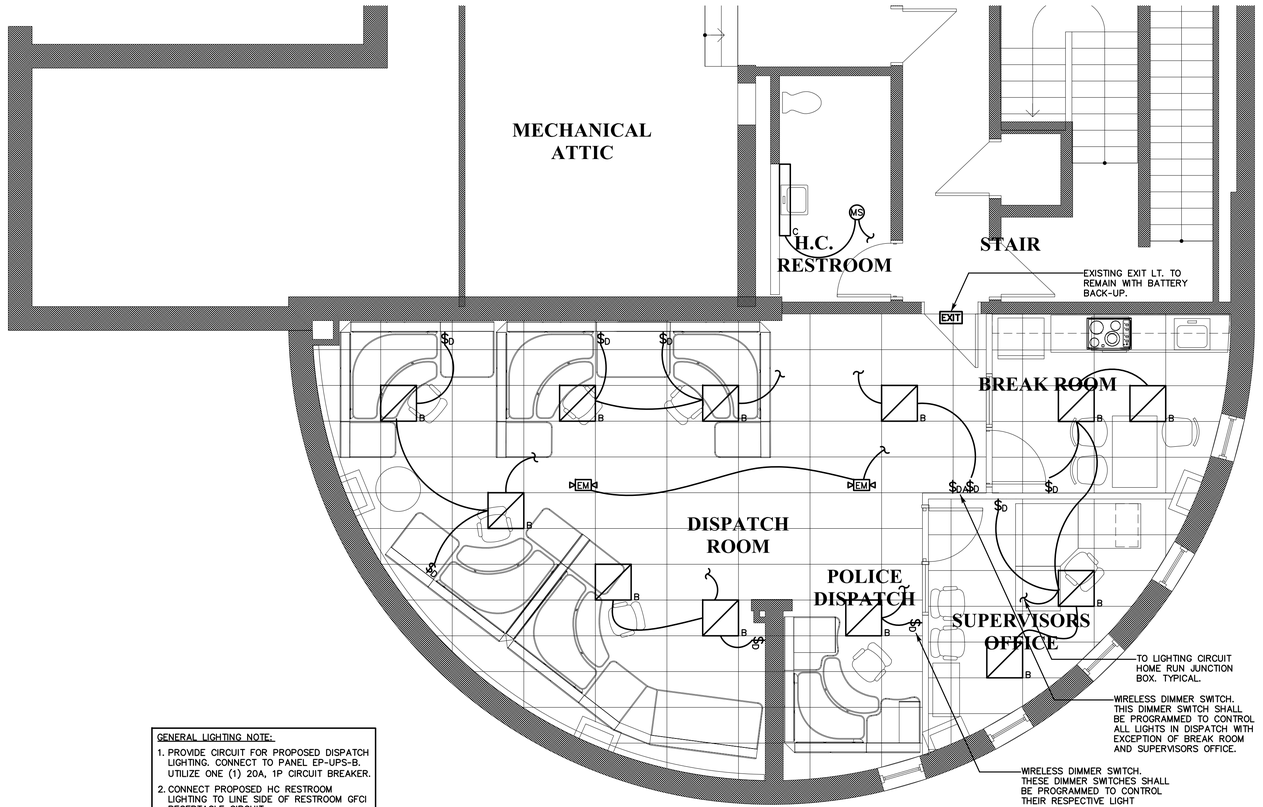


ALTERNATE #1 THIRD FLOOR ELECTRICAL DEMOLITION PLAN

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

LIGHTING SCHEDULE

A	NEW 4' FLUORESCENT WRAP AROUND W/ 2-LAMPS, 120VAC, T-8 LAMPS COLUMBIA WC SERIES.
B	NEW 2x2 GRID MTD. - LED (DIMMABLE) FIXTURE - DAYBRIGHT SPACEWISE - 2DLG38L840-2-D-UNV-DIM-SWZG2, 3800 L, 39 WATTS INPUT, INTEGRAL OCCUPANCY SENSOR INFINITE ON. SWZ-REMOTE FOR REMOTE PROGRAMMING OF FIXTURES. PROVIDE FACTORY REP PROGRAMMING/COMMISSIONING.
C	WALL MOUNTED MIRROR LIGHT LED UP/DN 4' 3200 LUMENS, ACRYLIC HEW WMAUD-4-LED-PH32_840U-PH32_840D-AF-ED-PHU-ED-PHD-UNV 120V.
EXIT	EXISTING TO REMAIN - WALL MTD. EXIT LIGHT WITH BATTERY BACKUP.
EM	NEW FLUSH CLG. MTD. TWIN LED HEADS EMERGENCY LT. DUAL-LITE #LX-2.
MS	MOTION SENSOR, REUSE EXISTING AT NEW LOCATIONS.
	EXISTING CONDUIT.
	NEW CONDUIT.
$D	LED WIRELESS DIMMER SWITCH. PHILIPS - UID8451/10
$DA	LED WIRELESS DIMMER SWITCH. PHILIPS - UID8451/10



GENERAL LIGHTING NOTE:

1. PROVIDE CIRCUIT FOR PROPOSED DISPATCH LIGHTING. CONNECT TO PANEL EP-UPS-B. UTILIZE ONE (1) 20A, 1P CIRCUIT BREAKER.
2. CONNECT PROPOSED HC RESTROOM LIGHTING TO LINE SIDE OF RESTROOM GFCI RECEPTACLE CIRCUIT.

PROPOSED SECOND FLOOR LIGHTING PLAN

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

M/E DESIGN ASSOCIATES, INC
MECHANICAL ELECTRICAL DESIGN & CONSULTING
Division of The Salamone Group, LLC
116 North Plains Industrial Rd • Wallingford • CT • 06492

NEW DISPATCH CENTER
FOR THE
WEST HARTFORD POLICE
WEST HARTFORD, CONNECTICUT

103 RAYMOND ROAD

JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

SECOND AND THIRD FLOOR PLANS

LTG. PLANS

PROJ. NO.	DRAWING NO. EL-1
SCALE: 1/4" = 1'-0"	
DATE: APRIL 22, 2016	