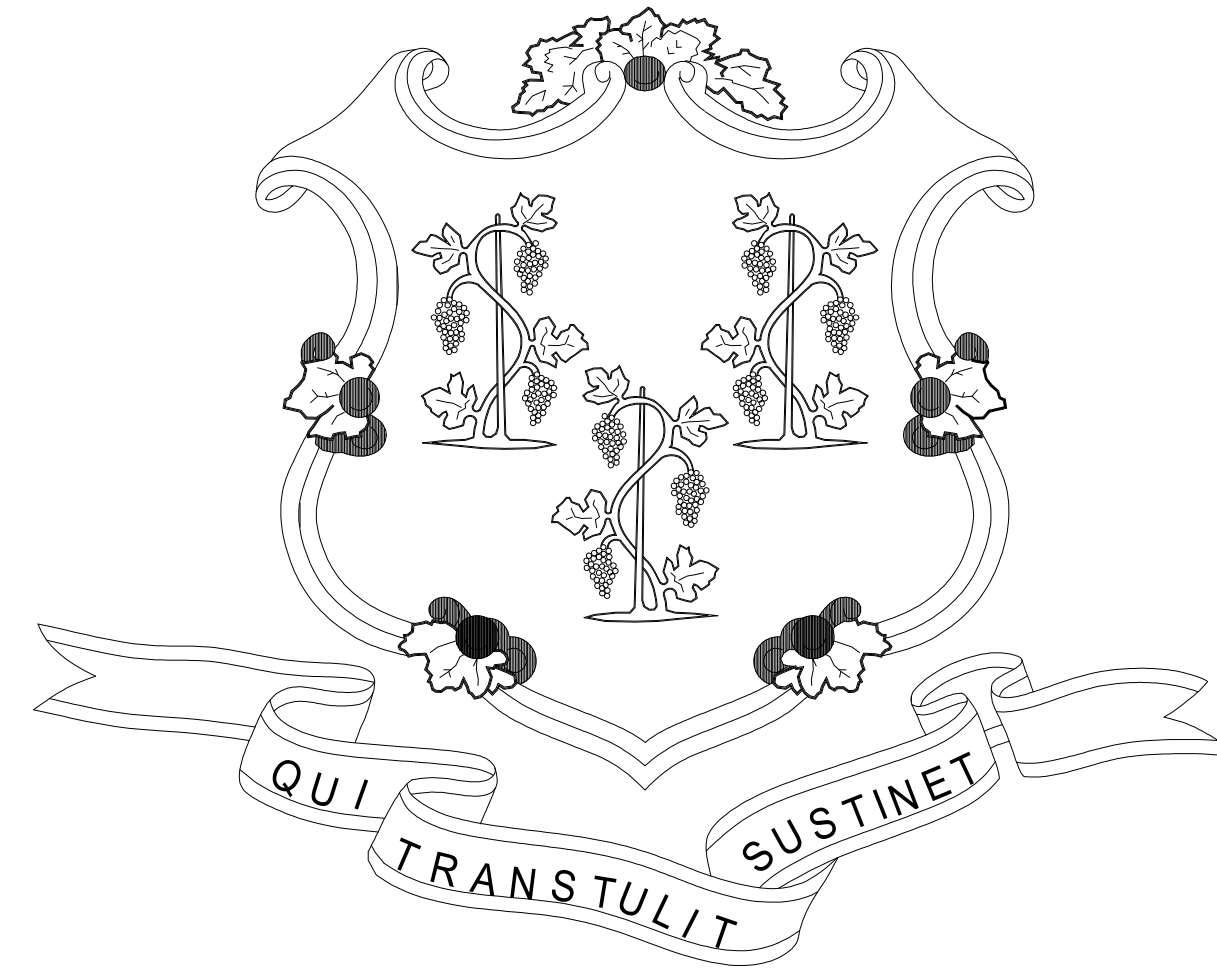


# STATE OF CONNECTICUT



M. JODI RELL GOVERNOR

DEPARTMENT OF TRANSPORTATION  
JOSEPH F. MARIE  
COMMISSIONER

IMPROVEMENTS TO 424 CHAPEL STREET  
PHASE ONE  
NEW HAVEN, CONNECTICUT

ARCHITECT OF RECORD

AMENTA / EMMA ARCHITECTS, P.C.  
201 ANN STREET  
HARTFORD, CT 06103  
860.549.4725

MEP ENGINEER

LEGNOS & CRAMER.  
70 INWOOD ROAD  
ROCKY HILL, CT 06067  
860.509.5797

BID SET SUBMISSION - 12.18.2009

CONTRACT DRAWINGS

G0.0	COVER SHEET
G1.0	CODE INFORMATION, EGRESS PLAN
G1.1	GENERAL NOTES AND LEGENDS
A1.0	DEMOLITION PLAN
A2.0	CONSTRUCTION PLAN, ENLARGED PLAN DETAILS, DOOR AND FRAME DETAILS, FINISH SCHEDULE
A3.0	REFLECTED CEILING PLAN
A4.0	PROJECT SPECIFICATIONS
A4.1	PROJECT SPECIFICATIONS
E0.0	ELECTRICAL SYMBOL LIST, FIXTURE SCHEDULE, PANEL SCHEDULE, AND NOTES
ED1.0	ELECTRICAL DEMOLITION PLAN
E1.0	ELECTRICAL LIGHTING PLAN
E2.0	ELECTRICAL POWER PLAN
FP1.0	FIRE PROTECTION 2ND FLOOR PLAN
Grand total: 13	

SITE PLAN



LOCATION PLAN



APPROVALS

D.O.T. \_\_\_\_\_ DATE \_\_\_\_\_

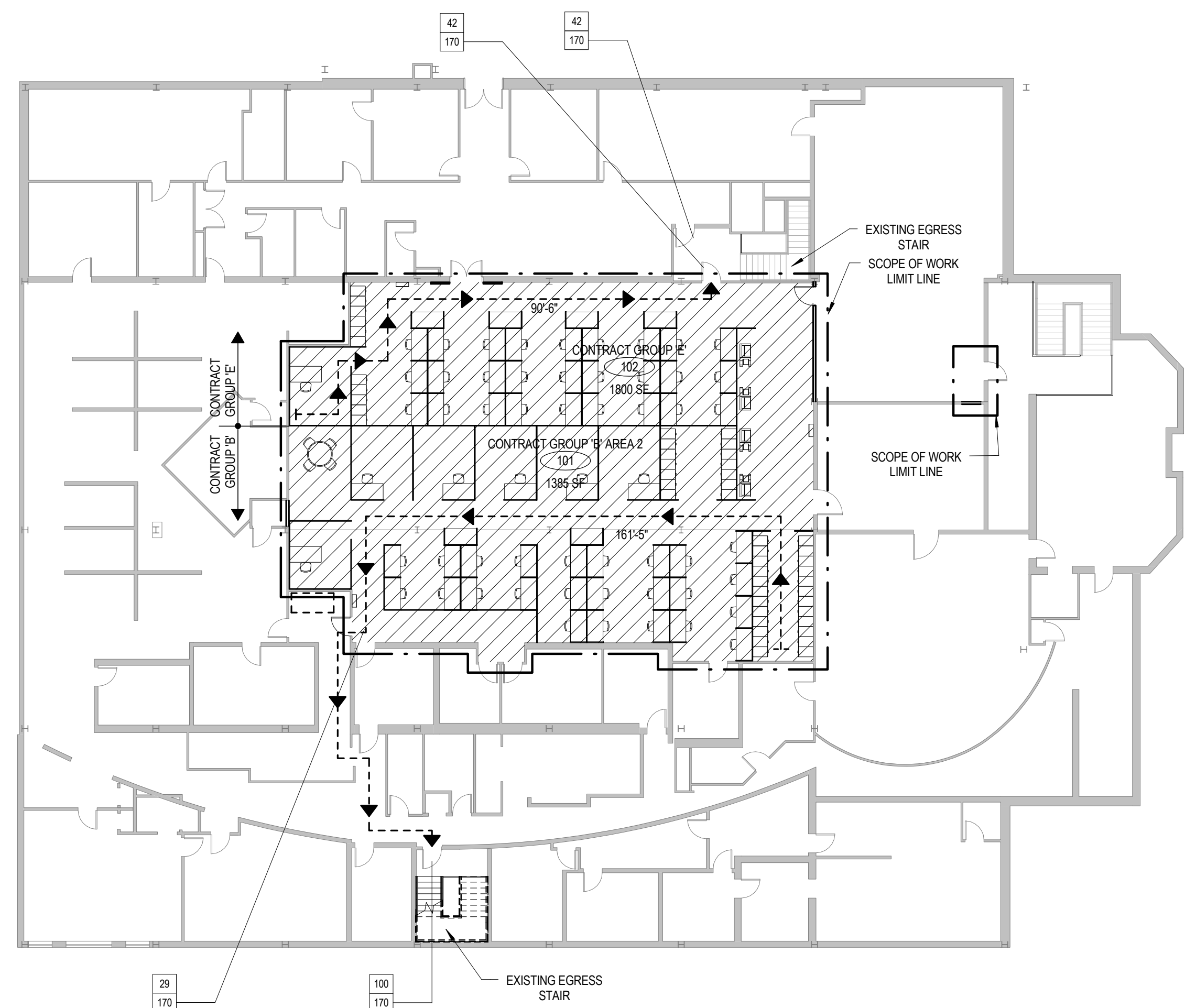
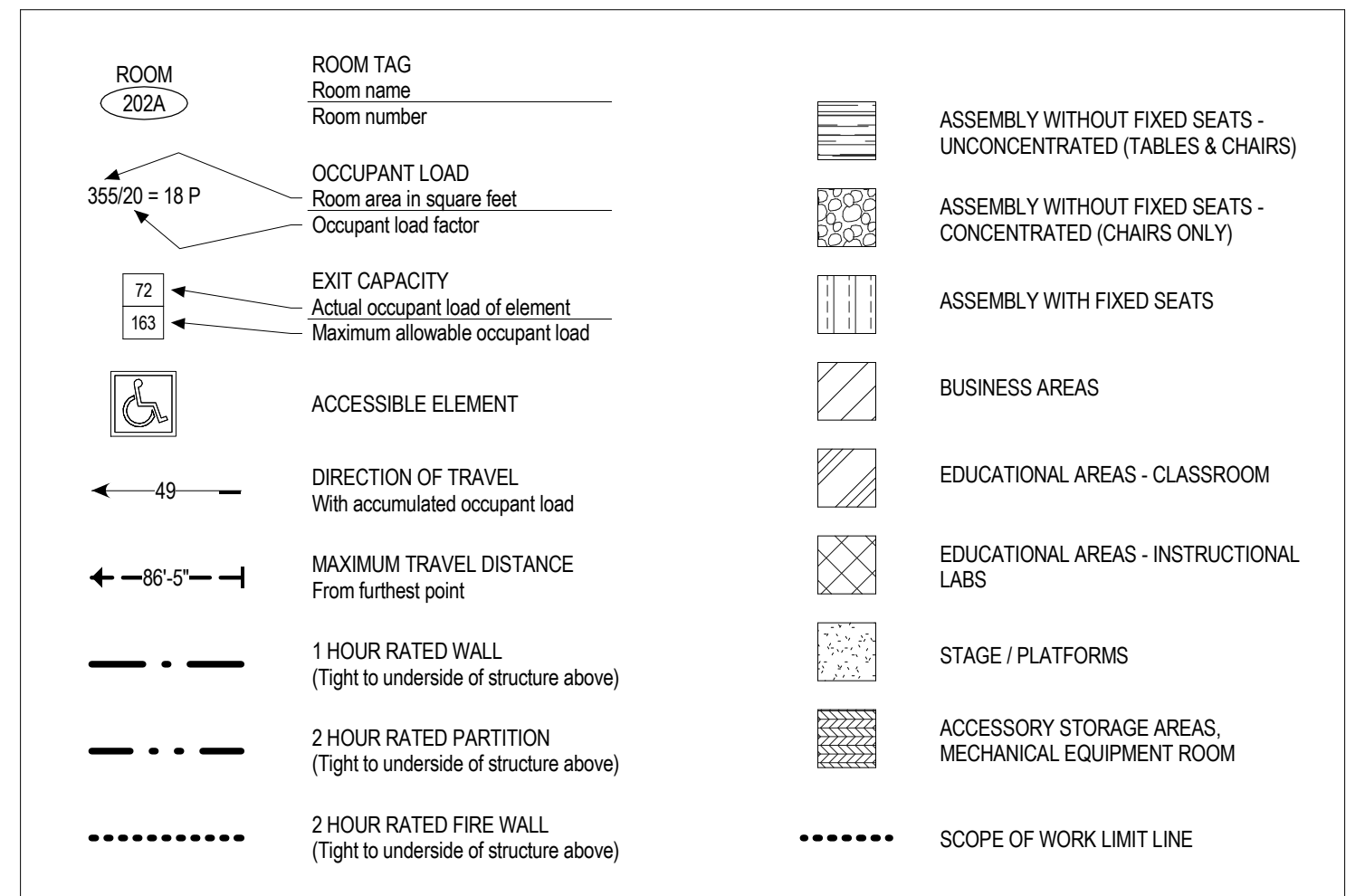
AGENCY \_\_\_\_\_ DATE \_\_\_\_\_

CODE TO WHICH THIS PROJECT WAS DESIGNED	
INTERNATIONAL BUILDING CODE	2003
CONNECTICUT SUPPLEMENT / AMENDMENT	2009
INTERNATIONAL FIRE CODE	2003
CONNECTICUT SUPPLEMENT / AMENDMENT	2005
ICC / ANSI A117.1-2003	2003
28 CFR PART 36, DEPARTMENT OF JUSTICE ADA GUIDELINES	1994

OVERALL GROSS BUILDING AREA (IBC-503)				
FLOORS	BUILDING PART	EXISTING	NEW	TOTAL
FIRST FLOOR	ENTIRE FLOOR	22,976 sq ft	N/A	22,976 sq ft
	OPEN OFFICE #100	2,885 sq ft	N/A	2,885 sq ft
SECOND FLOOR	OPEN OFFICE #101	1,801 sq ft	N/A	1,801 sq ft
	BALANCE OF FLOOR AREA	18,290 sq ft	N/A	18,290 sq ft
TOTAL :				45,952 sq ft

OCCUPANCY LOAD (1004)				
Room Name	Number of Occupants Per Square Foot	Actual Room Area	Occupant Load Calculated	Occupant Load
2nd Floor				
CONTRACT GROUP 'B' AREA 1	100 SF	1500 SF	15	15
CONTRACT GROUP 'B' AREA 2	100 SF	1385 SF	14	14
CONTRACT GROUP 'E'	100 SF	1800 SF	18	18
EXISTING CONFERENCE ROOM	100 SF	530 SF	5	6
EXISTING CORRIDOR		5784 SF		
EXISTING OPEN OFFICE AREA	100 SF	1413 SF	14	15

CODE SUMMARY			
SECTION NO.	DESCRIPTION		
304.0	CHAPTER 3 - USE OR OCCUPANCY B = BUSINESS GROUP	CONTRACT GROUP 'B' AREA 1, CONTRACT GROUP 'B' AREA 2, CONTRACT GROUP 'E'.	CHAPTER 8 - INTERIOR FINISHES CLASS II INTERIOR FINISHES (MIN)
	CHAPTER 4 - SPECIAL USE AND OCCUPANCY		CHAPTER 9 - FIRE PROTECTION SYSTEMS
	CHAPTER 5 - GENERAL BUILDING LIMITATIONS		SUPPRESSION SYSTEM..... YES
			NOTIFICATION ALARMS..... 100%
			DETECTION..... 100%
T-601	CHAPTER 6 - TYPES OF CONSTRUCTION CONSTRUCTION TYPE: MINIMUM REQUIRED - 2B, ASSUMED - 2B FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HRS)		PORTABLE FIRE EXTINGUISHERS: PROVIDE ABC TYPE, 75' TRAVEL DISTANCE
	STRUCTURAL FRAME/COLUMNS, GIRDERS, TRUSSES BEARING WALLS	0 HR(S)	CHAPTER 10 - MEANS OF EGRESS
	INTERIOR	0 HR(S)	DESIGNED OCCUPANT LOAD
	EXTERIOR	0 HR(S)	EGRESS WIDTH PER OCCUPANT SERVED (INCHES PER OCCUPANT)
	NONBEARING WALLS AND PARTITIONS - EXTERIOR	0 HR(S)	DOOR AND CORRIDOR CAPACITY..... 0.2
	NONBEARING WALLS AND PARTITIONS - INTERIOR	0 HR(S)	STAIRWAYS..... 0.3
	FLOOR CONSTRUCTION-INCL. SUPPORTING BEAMS AND JOISTS	0 HR(S)	ACCESSIBLE BUILDING - DESIGNATED..... YES
	ROOF CONSTRUCTION-INCL. SUPPORTING BEAMS AND JOISTS	0 HR(S)	MAXIMUM TRAVEL DISTANCE..... 307
	EXIT ACCESS CORRIDORS	1 HR(S)	SPACES WITH ONE MEANS OF EGRESS..... NO - 2 EXITS REQUIRED
	ENCLOSURES OF EXITS	1 HR(S)	
	CHAPTER 7 - FIRE RESISTANT MATERIALS & CONSTRUCTION SHAFT ENCLOSURES	1 HR(S)	

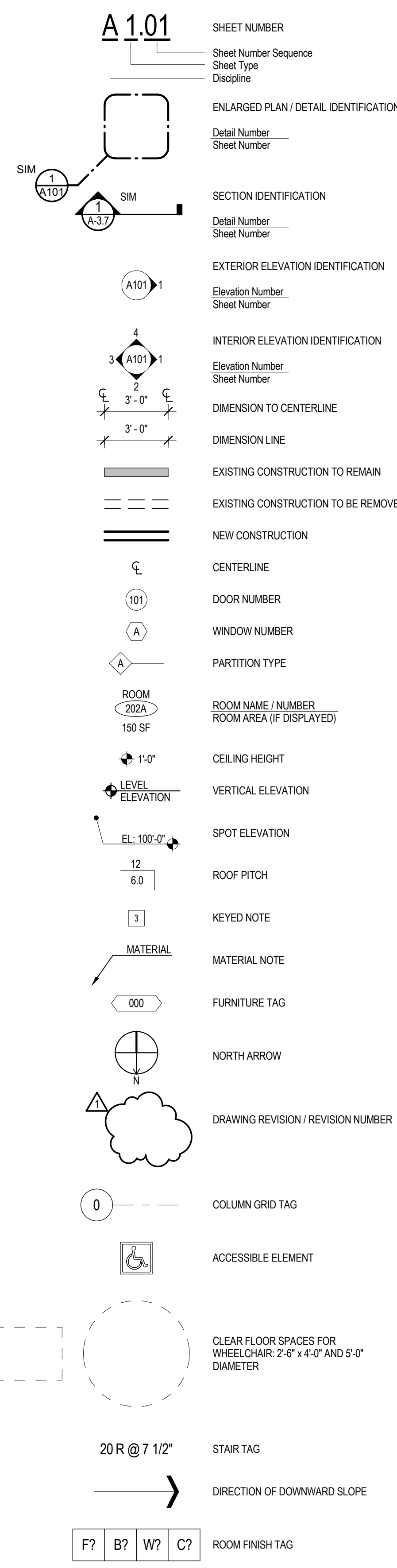


**1 CODE INFORMATION**  
SCALE: NTS

**2 SECOND FLOOR CODE COMPLIANCE PLAN**  
SCALE: 1/16" = 1'-0"

DESIGNER/DRAFTER: CAB/CDL	<p><b>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</b></p> <p>Filename: C:\Users\CDL\Documents\424 Chapel_POST COMMENTS-CENTRAL_CD.L.rvt</p>	SIGNATURE/ BLOCK: <b>OFFICE OF ENGINEERING</b>	PROJECT TITLE: <b>IMPROVEMENTS TO 424 CHAPEL STREET PHASE ONE</b>	TOWN: <b>NEW HAVEN</b>	PROJECT NO. <b>09040</b>
CHECKED BY: TJO		APPROVED BY: DRAWING PREPARED BY: A MENTA / EMMA ARCHITECTS, P.C.	DATE:	DRAWING TITLE: CODE INFORMATION, EGRESS PLAN	DRAWING NO.
SCALE AS NOTED					
REV. DATE REVISION DESCRIPTION SHEET NO.	Plotted Date: 12/19/2009 12:58:34 PM				

AC - AIR CONDITIONING	LAB - LABORATORY
ACC - ACCESSIBLE	LAM - LAMINATE
ACT - ACOUSTICAL CEILING TILE	LAV - LAVATORY
ADD - ADDITIONAL	LB - POUND
ADJ - ADJUSTABLE	LF - LINEAR FOOT
AFF - ABOVE FINISH FLOOR	LH - LONG LEG HORIZONTAL
ALT - ALTERNATE	LLV - LONG LEG VERTICAL
ALUM - ALUMINUM	
APPROX - APPROXIMATE	MACH - MACHINE
ARCH - ARCHITECTURAL	MAINT - MAINTENANCE
AV - AUDIO VISUAL	MATL - MATERIAL
	MAX - MAXIMUM
BD - BOARD	MBL - MARBLE
BLDG - BUILDING	MDF - MEDIUM DENSITY FIBERBOARD
BO - BOTTOM OF	MEP - MECHANICAL, ELECTRICAL, PLUMBING
BUR - BUILT-UP ROOFING	MDO - MEDIUM DENSITY OVERLAY PLYWOOD
	MECH - MECHANICAL
CB - CATCH BASIN	MEZZ - MEZZANINE
CG - CORNER GUARD	MFR - MANUFACTURER
CIP - CAST-IN-PLACE	MH - MANHOLE
CJ - CONTROL / CONSTRUCTION JOINT	MIN - MINIMUM
CL - CENTER LINE	MISC - MISCELLANEOUS
CLG - CEILING	MM - MILLIMETER
CLR - CLEAR	MO - MASONRY OPENING
CMU - CONCRETE MASONRY UNIT	MTD - MOUNTED
CO - CLEANOUT	MTG - MOUNTING
COL - COLUMN	
CONC - CONCRETE	(N) - NEW
CONT - CONTINUOUS	N - NORTH
COORD - COORDINATE	NA - NOT APPLICABLE
CORR - CORRIDOR	NC - NOISE CRITERIA
CT - CERAMIC TILE	NIC - NOT IN CONTRACT
CW - COLD WATER	NOM - NOMINAL
	NTS - NOT TO SCALE
DEMO - DEMOLITION	OC - ON CENTER
DEPT - DEPARTMENT	OD - OUTSIDE DIAMETER/DIMENSION
DF - DRINKING FOUNTAIN	OFCI - OWNER FURNISHED, CONTR INSTALLED
DIA - DIAMETER	OFOI - OWNER FURNISHED, OWNER INSTALLED
DIM - DIMENSION	OPP - OPPOSITE
DISP - DISPENSER	ORD - OVERFLOW ROOF DRAIN
DN - DOWN	OVHD - OVERHEAD
DO - DOOR OPENING	
DP - DIMENSION POINT	P - PAINT
DR - DOOR	PBD - PARTICLEBOARD
DS - DOWNSPOUT	PC - PRECAST CONCRETE
DW - DISHWASHER	PERF - PERFORATED
DWG - DRAWING	PERIM - PERIMETER
	PERP - PERPENDICULAR
(E) - EXISTING	PL - PLATE
EA - EACH	PLAM - PLASTIC LAMINATE
EFS - EXTERIOR INSULATION & FINISH SYSTEM	PLF - POUNDS PER LINEAR FOOT
EFS - EXTERIOR FINISH SYSTEM	PR - PAIR
EJ - EXPANSION JOINT	PREFAB - PREFABRICATED
EL - ELEVATION	PROJ - PROJECT
ELECT - ELECTRICAL	PSF - POUNDS PER SQUARE FOOT
ELEV - ELEVATOR	PT - POINT
EMERG - EMERGENCY	PTD - PAINTED
EQ - EQUAL	
EQUIP - EQUIPMENT	QT - QUARRY TILE
EWC - ELECTRICAL WATER COOLER	QTY - QUANTITY
EXH - EXHAUST	
EXIST - EXISTING	(R) - RELOCATED
EXT - EXTERIOR	R - RADIUS OR RISER
	RB - RESILIENT BASE
FD - FLOOR DRAIN	RCP - REFLECTED CEILING PLAN
FND - FOUNDATION	RD - ROOF DRAIN
FE - FIRE EXTINGUISHER	REF - REFERENCE
FEC - FIRE EXTINGUISHER CABINET	REINF - REINFORCED / REINFORCING
FF&E - FURNITURE, FINISHES & EQUIPMENT	REQD - REQUIRED
FFEL - FINISH FLOOR ELEVATION	REV - REVISION / REVISED
FHC - FIRE HOSE CABINET	RM - ROOM
FL - FLOOR	RO - ROUGH OPENING
FO - FACE OF	RWL - RAIN WATER LEADER
FP - FIRE PROTECTION	
FRF - FIREPROOFING	SC - SOLID CORE
FT - FEET	SCHED - SCHEDULE
FRTW - FIRE RETARDANT TREATED WOOD	SCHED - SCHEDULE
FTG - FOOTING	SF - SQUARE FEET/FOOT
FURN - FURNITURE	SIM - SIMILAR
FWC - FABRIC WALLCOVERING	SP - STANDPIPE
FWP - FABRIC WRAPPED PANEL	SPEC - SPECIFICATION
	SO - SQUARE
G - GROUND	SS - STAINLESS STEEL
GA - GAUGE / GAGE	STD - STANDARD
GALV - GALVANIZED	STL - STEEL
GC - GENERAL CONTRACTOR	STOR - STORAGE
GFRG - GLASS FIBER REINFORCED CONCRETE	STRUCT - STRUCTURAL
GFRG - GLASS FIBER REINFORCED GYPSUM	
GL - GLASS	T&G - TONGUE AND GROOVE
GYPBD - GYPSUM WALLBOARD	T - TREAD
	TC - TOP OF CURB
HB - HOSE BIB	TEL - TELEPHONE OR TELECOM
HC - HOLLOW CORE	TO - TOP OF (SEE OTHER WORD)
HCP - HANDICAPPED	TV - TELEVISION
HDWR - HARDWARE	TW - TOP OF WALL
HDWD - HARDWOOD	TYP - TYPICAL
HM - HOLLOW METAL (STEEL FRAME)	
HR - HORIZONTAL	UNO - UNLESS NOTED OTHERWISE
HR - HOUR	
HVAC - HEATING, VENTILATION, AIR CONDITIONING	VCT - VINYL COMPOSITION TILE
HW - HOT WATER	VERT - VERTICAL
	VEST - VESTIBULE
ID - INSIDE DIAMETER	VF - VERIFY IN FIELD
IN - INCH	VIT - VINYL TILE
INCL - INCLUDED / INCLUDING	WVC - VINYL WALL COVERING
INSUL - INSULATION	
INT - INTERIOR	WC - WATER CLOSET
INV - INVERT	WD - WOOD
	W/O - WITHOUT
JAN - JANITOR	WP - WORK POINT
JC - JANITORS CLOSET	WR - WATER RESISTANT/REPELLANT



- GENERAL REFLECTED CEILING NOTES**  
SCALE: NTS
- SCHEDULED CEILING HEIGHT SHALL BE MAINTAINED. EXISTING HVAC AND PLUMBING SYSTEM SHALL BE MODIFIED AS REQUIRED TO MEET CEILING HEIGHTS.
  - ALL NEW OR RELOCATED SPRINKLER HEADS, RECESSED CAN LIGHT FIXTURES, ETC. SHOWN TO BE LOCATED WITHIN CENTER OF 2'x4' OR 2'x2' CEILING PANEL UNLESS OTHERWISE NOTED.
  - EXISTING CEILING GRID IS SCHEDULED TO REMAIN. REPAIR EXISTING CEILING GRID AS REQUIRED (WHERE DAMAGED) FOR REFLECTED CEILING PLAN. PROVIDE NEW CEILING PANELS WHERE INDICATED ON DRAWINGS.
  - ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL WIRING ABOVE THE CEILING WHICH IS ABANDONED AS A PART OF THIS OR PAST WORK.
  - ALL CABLES MUST BE SUSPENDED OFF THE LAY-IN CEILING.
  - CONTRACTOR TO NOTIFY ARCHITECT IF ANY DISCREPANCIES EXIST BETWEEN ARCHITECTURAL RCP AND ELECTRICAL WIRING PLAN.
  - FINAL LIGHT SWITCHING LOCATIONS AND SWITCHING SCHEME SHALL BE COORDINATED WITH TENANT AND APPROVED BY ARCHITECT.
  - WHERE NEW OR EXISTING CEILING PANELS HAVE A TEGULAR EDGE, KERF ALL CUT CEILING PANELS OR PANELS THAT PASS OVER PARTITIONS TO MATCH EXISTING EDGE DESIGN.
  - CLEAN AND RELAMP EXISTING LIGHT FIXTURES SO ALL LAMP TEMPERATURES ARE THE SAME.

- GENERAL CONSTRUCTION NOTES**  
SCALE: NTS
- ALL DIMENSIONS FROM FACE OF FINISH TO FACE OF FINISH UNLESS OTHERWISE INDICATED. ALL DIMENSIONS NOTED AS "HOLD" ARE CRITICAL.
  - PROVIDE FIRE TREATED WOOD BLOCKING, COMPLYING WITH ASTM E84 WITHIN NEW AND EXISTING WALLS AS REQUIRED FOR ANCHORING OF ALL BUILT-INS AND WALL MOUNTED ACCESSORIES, ETC. VERIFY LOCATIONS WITH ARCHITECT/OWNER.
  - ALL WORK SHALL FOLLOW ALL APPLICABLE CODES.
  - PROVIDE (2) 20 GA. METAL STUDS AT JAMBS OF ALL NEW DOOR OPENINGS.
  - DETAILS NOTED AS TYPICAL APPLY TO ALL SIMILAR LOCATIONS UNLESS OTHERWISE NOTED.
  - G.C. TO MAINTAIN CLEAR EGRESS PATHS AT ALL TIMES DURING CONSTRUCTION.
  - UNLESS INDICATED OTHERWISE, ALL NEW DOORS SHALL BE LOCATED 4" OFF FINISHED WALL (4" TO INSIDE FACE OF FRAME).
  - CONTRACTOR'S PRICE SHALL INCLUDE A COMPLETE CONSTRUCTION CLEAN-UP.
  - PATCH ALL EXISTING WALLS WHERE REQUIRED TO CREATE SMOOTH SURFACE FOR PAINT FINISH.
  - PREPARE EXISTING FLOOR SUBSTRATE AS REQUIRED FOR NEW SCHEDULED FLOOR FINISH.
  - AT ANY EXISTING CONSTRUCTION TO RECEIVE WORK (RE: NEW DOOR, INFILL PARTITION, REMOVAL OF JUNCTION BOXES ETC.) OR AFFECTED BY DEMOLITION WORK, G.C. TO PATCH EXISTING CONSTRUCTION AS REQUIRED TO MATCH EXISTING ADJACENT SURFACE. WHERE SURFACE TO BE PATCHED IS CERAMIC TILE, G.C. SHALL REPLACE CERAMIC TILE BACK TO LOGICAL GROUT JOINT. INSTALL NEW TILE AND GROUT TO MATCH EXISTING.
  - RELOCATE ALL STORED ITEMS WITHIN THE SCOPE OF WORK AREA TO A LOCATION WITHIN THIS BUILDING AS DIRECTED BY OWNER.
  - CONTRACTOR TO HAVE A "SHOP VAC" OR SIMILAR EQUIP. ON SITE TO KEEP SITE CLEAN DURING THE CONSTRUCTION PROCESS.
  - ALL WIRING, CONDUIT, RACEWAYS, ETC. SHALL BE CONCEALED WITHIN WALLS. G.C. TO PROVIDE CUTTING, PATCHING, PLASTER RINGS AND PULL STRINGS AS REQUIRED TO PROVIDE SUCH CONCEALMENT. PATCH AND PAINT ENTIRE WALL AFFECTED BY NEW WORK.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE PRIOR TO BIDDING TO DETERMINE ALL EXISTING CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXTENT OF ALL DEMOLITION AND NEW WORK. G.C. SHALL VERIFY CONDITION OF EXISTING WALLS TO REMAIN. G.C. SHALL VERIFY SCOPE OF THIS WORK BEFORE PRICING PROJECT. CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE ARCHITECT OF ANY DISCREPANCIES.
  - CEILING HEIGHTS MAY NOT BE MODIFIED DUE TO ANY CONDITIONS NEW OR EXISTING. MODIFY EXISTING CONDITIONS AS REQUIRED TO MAINTAIN SCHEDULED CEILING HEIGHT.
  - WHERE ANY TELEPHONE, DATA, & ELECTRICAL WIRING HAVE BEEN DEMOLISHED, PATCH SUBSTRATE & FINISH AS SCHEDULED. WHERE ANY EXIST'G JUNCTION BOXES OR CONDUIT HAVE BEEN REMOVED, PATCH SUBSTRATE & FINISH AS SCHEDULED UNLESS INDICATED OTHERWISE.
  - CONTRACTOR RESPONSIBLE FOR PROTECTING PAINTED DOOR FRAMES DURING CONSTRUCTION, PARTICULARLY DURING CARPET INSTALLATIONS AS REQUIRED.
  - PROVIDE NEW FIRE EXTINGUISHER CABINETS WITHIN THE TENANT SPACE TO MATCH EXISTING SALVAGED STYLE IF WALL CONSTRUCTION DEPTH CANNOT ACCOMMODATE SALVAGED CABINETS.
  - PROVIDE THROUGH PENETRATION FIRESTOPPING JOINT SYSTEMS AND FIRESTOPPING JOINT SYSTEMS @ ALL PENETRATIONS THRU RATED CONSTRUCTION ASSEMBLIES. FIRESTOPPING SHALL BE DESIGNED TO RESIST THE SPREAD OF FIRE FOR THE TIME PERIOD NOT LESS THAN THE REQUIRED FIRE RESISTANT RATING OF THE ADJACENT ASSEMBLY. ALL FIRE-STOPPING ASSEMBLIES SHALL BE U.L. LISTED ASSEMBLIES.

- GENERAL DEMOLITION NOTES**  
SCALE: NTS
- PROTECT ACOUSTICAL LAY-IN CEILING SYSTEM GRID TO REMAIN; REMOVE CEILING TILES WHERE INDICATED FOR NEW ACOUSTICAL CEILING TILES.
  - REMOVE ALL CARPETING, VCT, VINYL WALL BASE, ADHESIVES DOWN TO SUBSTRATE WITHIN SCOPE OF WORK AREA UNLESS OTHERWISE NOTED.
  - PROVIDE NECESSARY BARRIERS AS REQ'D TO SECURE SCOPE OF WORK AREA @ END OF EACH WORK DAY.
  - WHERE DOOR OR SIDELIGHT ARE SHOWN DASHED, REMOVE ENTIRE ASSEMBLY INCLUDING DOOR FRAME, SIDELIGHT, HARDWARE, ETC. SAVE FOR REUSE IN THIS CONTRACT, WHERE INDICATED, OR OWNER REUSE (WHERE INDICATED) COORDINATE DISPOSAL OF DOOR FRAMES / SIDELIGHTS PER DIRECTION OF OWNER.
  - ANY ELECTRICAL PHONE, THERMOSTAT, OR OTHER DEVICES & WIRING LOCATED WITHIN SCOPE OF WORK AREA SCHEDULED TO BE DEMOLISHED SHOULD BE RELOCATED OUT OF REACH FOR FURTHER DEMOLITION BY THEIR RESPECTIVE TRADES.
  - G.C. TO FIELD VERIFY PHONE, ELECTRICAL, THERMOSTAT, OR OTHER DEVICES OR WIRING @ EXISTING WALLS SCHEDULED TO REMAIN. REMOVE ANY DEVICES AND WIRING THAT DO NOT CORRESPOND W/ PROPOSED ELEC. PLAN LAYOUT. REUSE EXISTING OUTLETS WHERE POSSIBLE. VERIFY WITH ARCHITECT PRIOR TO REMOVAL OF DEVICES.
  - REMOVE ALL ABANDONED TELEPHONE, DATA, AND ELECTRICAL WIRING FROM ABOVE CEILING AND EXISTING WALLS THAT WILL REMAIN IN PLACE.
  - G.C. TO PROVIDE PROTECTION OF ADJACENT AREAS NOT TO BE DISTURBED INCLUDING PATHS OF TRAVEL FROM BUILDING ENTRANCE TO SCOPE OF WORK.
  - GENERAL CONTRACTOR TO PROVIDE DEMOLITION AS REQUIRED FOR INSTALLATION OF OUTLET BOXES (LIGHT SWITCHES, RECEPTACLES, FIRE ALARM DEVICES, ELECTRICAL CONDUIT, PLUMBING, PIPING, ETC.) IN ORDER THAT ALL NEW WORK BE CONCEALED. SET OUTLETS AND LIGHT SWITCHES AT BUILDING STANDARD HEIGHT.
  - SALVAGE PER OWNER'S DIRECTION ALL EXISTING EQUIPMENT AND FURNITURE.
  - REMOVE EXISTING FLOOR MOUNTED DEVICES AND ASSOCIATED WIRING AND CONDUIT DUE TO NEW LAYOUT.
  - REMOVE EXISTING LIGHT FIXTURES, DIFFUSERS, ETC. AS REQUIRED DUE TO NEW LAYOUT. SAVE CEILING ITEMS FOR REUSE WHERE POSSIBLE. REFER TO REFLECTED CEILING PLAN FOR SCOPE OF WORK REGARDING NEW CEILING AND EXISTING CEILING TO REMAIN. SPRINKLER PIPING AND DUCTWORK SHALL BE MODIFIED AS REQUIRED TO ACCOMMODATE NEW LAYOUT. REMOVE AND REPLACE EXISTING CEILING PANELS AS REQUIRED FOR SCOPE OF WORK.

**ABBREVIATIONS**  
SCALE: NTS

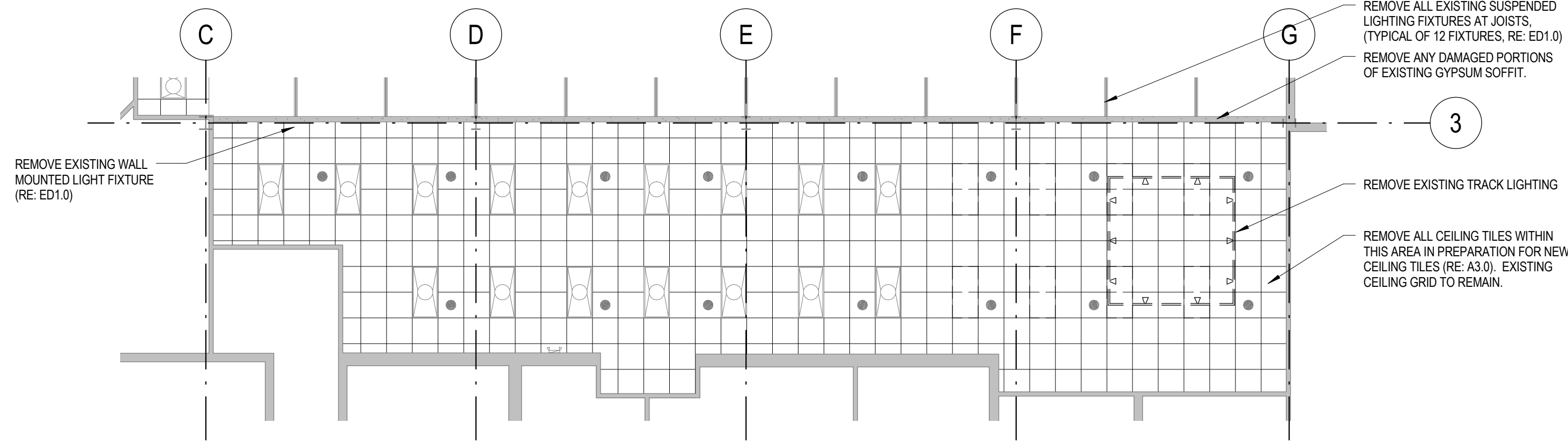
**SYMBOL LEGEND**  
SCALE: NTS

**GENERAL REFLECTED CEILING NOTES**  
SCALE: NTS

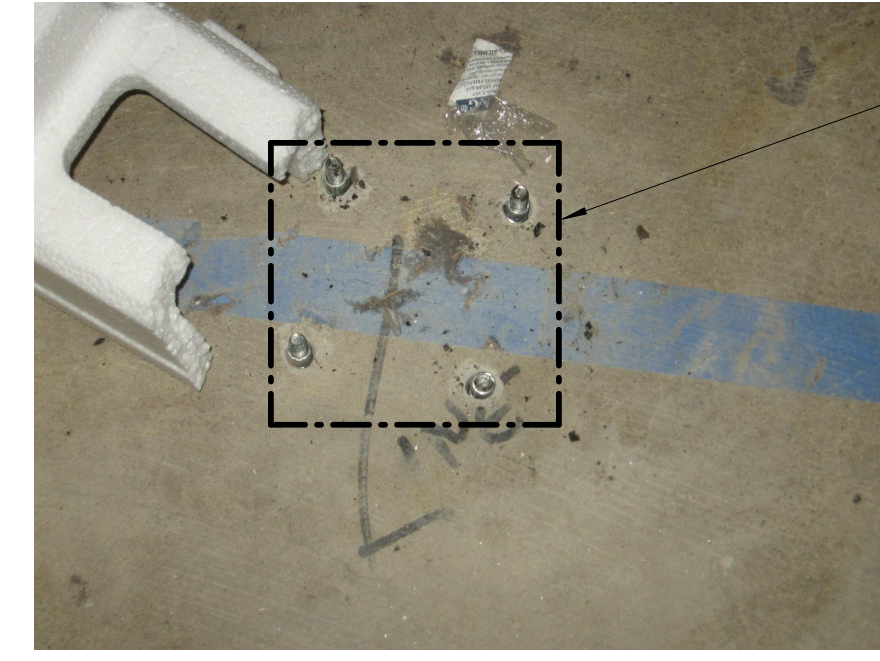
**GENERAL CONSTRUCTION NOTES**  
SCALE: NTS

**GENERAL DEMOLITION NOTES**  
SCALE: NTS

<p>THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.</p>				<p>DESIGNER/DRAFTER: CDL</p> <p>CHECKED BY: TJQ</p> <p>SCALE AS NOTED</p>	<p><b>STATE OF CONNECTICUT</b> <b>DEPARTMENT OF TRANSPORTATION</b></p> <p>File name: C:\Users\CDL\Documents\424 Chapel_POST COMMENTS-CENTRAL_CD.Lvt</p>	<p>SIGNATURE/ BLOCK: <b>OFFICE OF ENGINEERING</b></p> <p>APPROVED BY: DATE: DRAWING PREPARED BY: A MENTA / E M M A ARCHITECTS, P.C.</p>	<p>PROJECT TITLE: <b>IMPROVEMENTS TO 424 CHAPEL STREET</b> <b>PHASE ONE</b></p>	<p>TOWN: <b>NEW HAVEN</b></p> <p>DRAWING TITLE: GENERAL NOTES AND LEGENDS</p>	<p>PROJECT NO. <b>09040</b></p> <p>DRAWING NO.</p> <p>SHEET NO. <b>G1.1</b></p>
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 12/18/2009 3:07:45 PM					



**20** 2ND FLOOR RCP DEMOLITION PLAN  
SCALE: 1/8" = 1'-0"



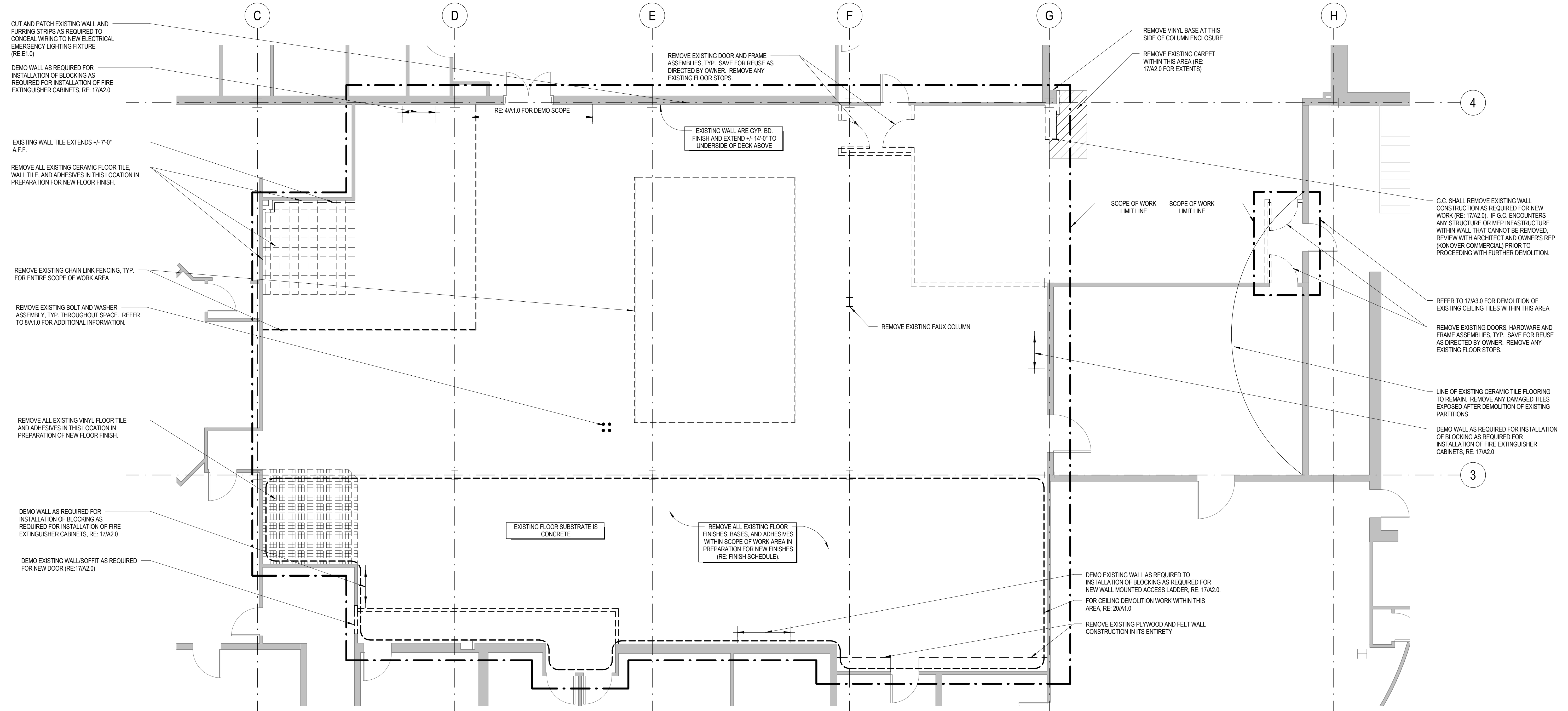
REMOVE EXISTING NUT AND FLUSH CUT EXISTING BOLTS, TYP. ALL LOCATIONS THROUGHOUT ENTIRE SCOPE OF WORK AREA.



REMOVE EXISTING SHEETROCK AND WOOD FURRING STRIPS IN THIS LOCATION AS REQUIRED FOR NEW WALL CONSTRUCTION AND ELECTRICAL SCOPE OF WORK.

**8** DEMOLITION SCOPE AT EXISTING BOLTS  
SCALE: 1 1/2" = 1'-0"

**4** DEMOLITION SCOPE AT CMU WALL  
SCALE: 1 1/2" = 1'-0"

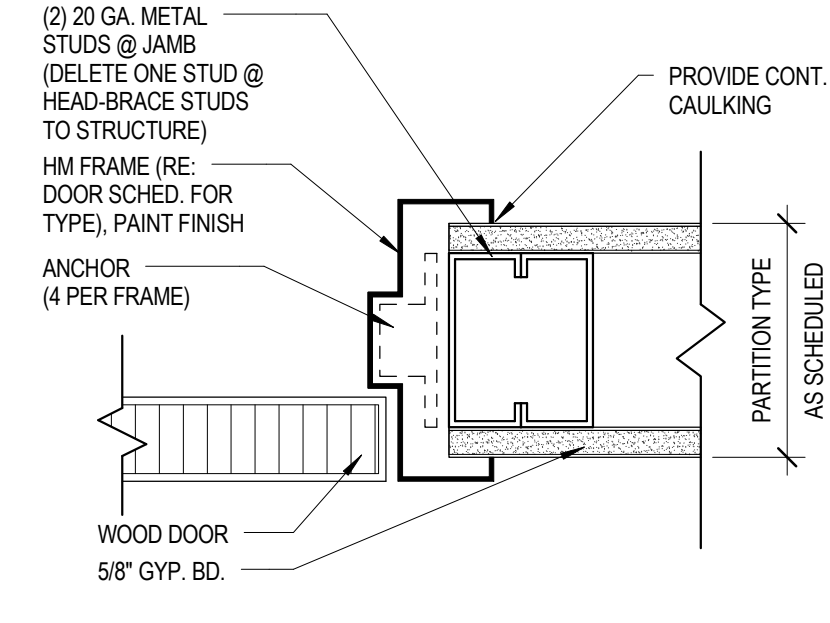
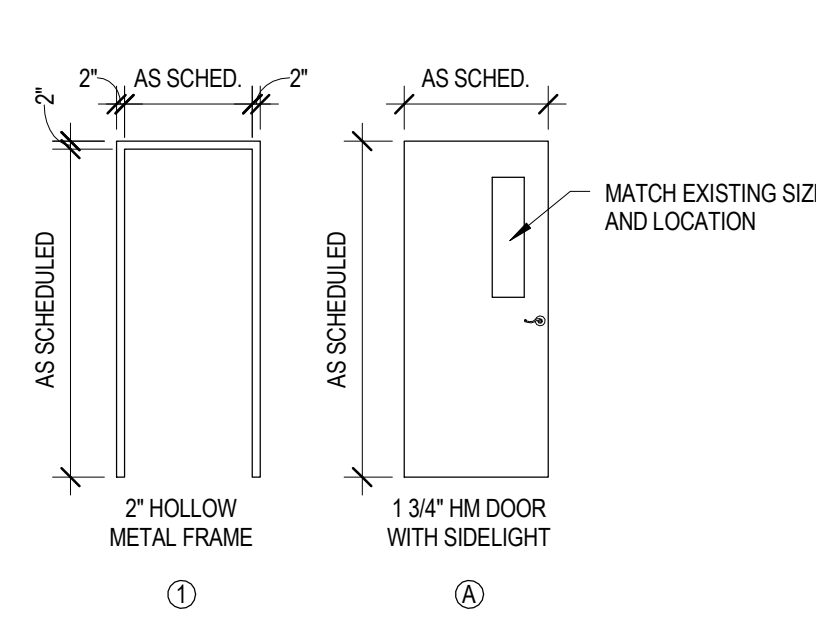


**17** 2ND FLOOR DEMOLITION PLAN  
SCALE: 3/16" = 1'-0"

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		DESIGNER/DRAFTER: CDL CHECKED BY: TJQ  SCALE AS NOTED	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION  FILENAME: C:\Users\CDL\Documents\424 Chapel_POST COMMENTS-CENTRAL_CD.Lvt	SIGNATURE/ BLOCK: <b>OFFICE OF ENGINEERING</b>  APPROVED BY: DRAWING PREPARED BY: A MENTA / EMMA ARCHITECTS, P.C.	PROJECT TITLE: <b>IMPROVEMENTS TO 424 CHAPEL STREET PHASE ONE</b>	TOWN: <b>NEW HAVEN</b>  DRAWING TITLE: DEMOLITION PLAN	PROJECT NO. <b>09040</b>  DRAWING NO.   SHEET NO. <b>A1.0</b>
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 12/18/2009 3:10:03 PM			

DOOR #	DOOR			FRAME			LABL.	REMARKS	
	Size.	Matl.	Type	Matl.	Elev.	Throat			Def't.
158	3'-0" x 7'-0" (V.I.F.)	HM	A	HM	1	EXISTING (V.I.F.)	12/A2.0	F1	① ② ③
159	3'-0" x 7'-0"	HM	A	HM	1	4 7/8"	12/A2.0	F1	① ②

- NOTES**
- ALL NEW DOORS WITHIN SCOPE OF WORK AREA TO RECEIVE BUILDING STANDARD LEVER TYPE (ADA COMPLIANT) HARDWARE UNLESS OTHERWISE NOTED.
  - PAINT ALL NEW FRAMES, COLOR AS SELECTED BY ARCHITECT.
  - ALL DOORS NOT LISTED IN SCHEDULE ARE EXISTING TO REMAIN.
  - ALL NEW DOORS SHALL RECEIVE NEW PAINT FINISH
  - INTENT IS FOR ALL DOORS INDICATED AS NEW TO USE EXISTING DOORS AND/OR FRAMES REMOVED DURING DEMOLITION PHASE. MODIFY EXISTING DOOR AND FRAME AS REQUIRED FOR NEW LOCATION. IF EXISTING DOOR CANNOT BE MODIFIED TO WORK IN NEW LOCATION, PROVIDE NEW DOOR AND/OR FRAME TO MATCH EXISTING TYPE AND STYLE.
- REMARKS**
- PROVIDE PASSAGE TYPE LATCHSET
  - PROVIDE DOOR CLOSER (RE: SPEC)
  - MODIFY EXISTING OPENING AS REQUIRED TO FIT SCHEDULED DOOR AND FRAME.
- E = EXISTING  
WD = WOOD  
HM = HOLLOW METAL



RM #	ROOM NAME	FINISH SCHEDULE						REMARKS
		FLOORS FINISH	BASE FINISH	WALL FINISH			CEILING FINISH	
				NORTH FINISH	EAST FINISH	WEST FINISH		
2nd Floor								
100	CONTRACT GROUP 'B' AREA 1	CPT-1	VB-1	PT-1	PT-1	N/A	PT-1	ACP-1
101	CONTRACT GROUP 'B' AREA 2	CPT-1	VB-1	N/A	PT-1	PT-1	PT-1	OPEN TO DECK ABOVE
102	CONTRACT GROUP 'E'	CPT-1	VB-1	N/A	PT-1	PT-1	PT-1	OPEN TO DECK ABOVE
103	EXISTING OPEN OFFICE AREA	EXIST. / CPT-1	EXIST. / VB-2	EXIST. / PT-1	EXIST. / PT-1	EXIST. / PT-1	EXIST. / PT-1	EXISTING / ACP-1
104	EXISTING CONFERENCE ROOM	EXIST.	EXIST. / VB-2	EXIST.	EXIST.	PT-1	EXIST.	EXISTING
105	EXISTING CORRIDOR	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXISTING

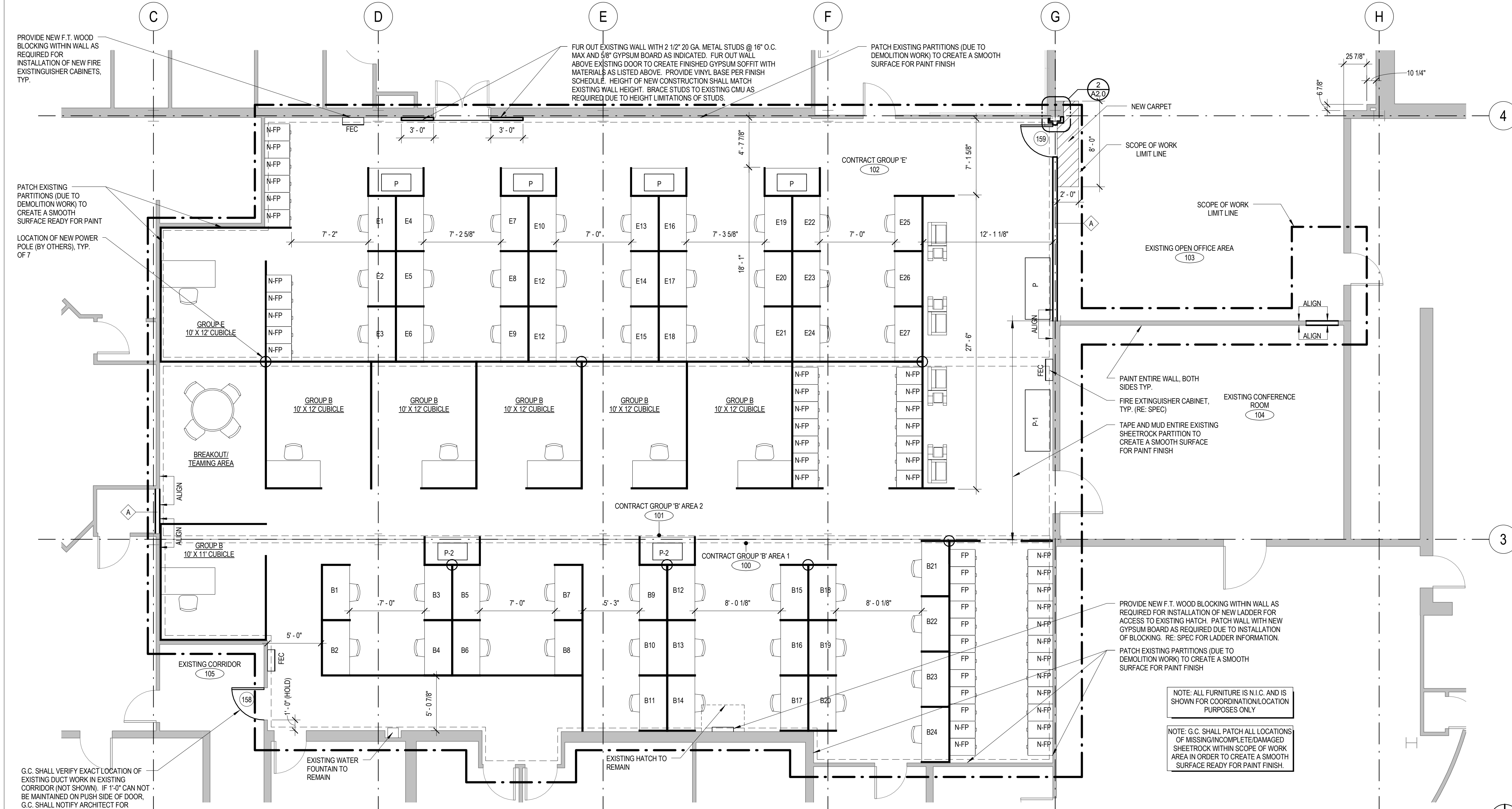
- PAINT:**  
PT-1 = REPRESENTS UP TO 5 COLORS (MAX 3 DEEP COLORS) - TO BE SELECTED BY ARCHITECT.
- CARPET:**  
CPT-1 = TO BE SELECTED BY ARCHITECT.
- VINYL BASE:**  
VB-1 = 4" STRAIGHT RUBBER BASE (REPRESENTS UP TO 5 COLORS)  
VB-2 = VINYL BASE TO MATCH EXISTING ADJACENT
- ACOUSTICAL PANEL CEILING:**  
ACP-1 = EXISTING CEILING GRID TO REMAIN. NEW CEILING TILE ARMSTRONG DUNE 2'X2' TILE WITH BEVELED TEGULAR EDGE
- GENERAL FINISH NOTES:**  
1. PAINT ALL DOOR FRAMES.

**20 DOOR AND FRAME SCHEDULE**  
SCALE: 1/2" = 1'-0"

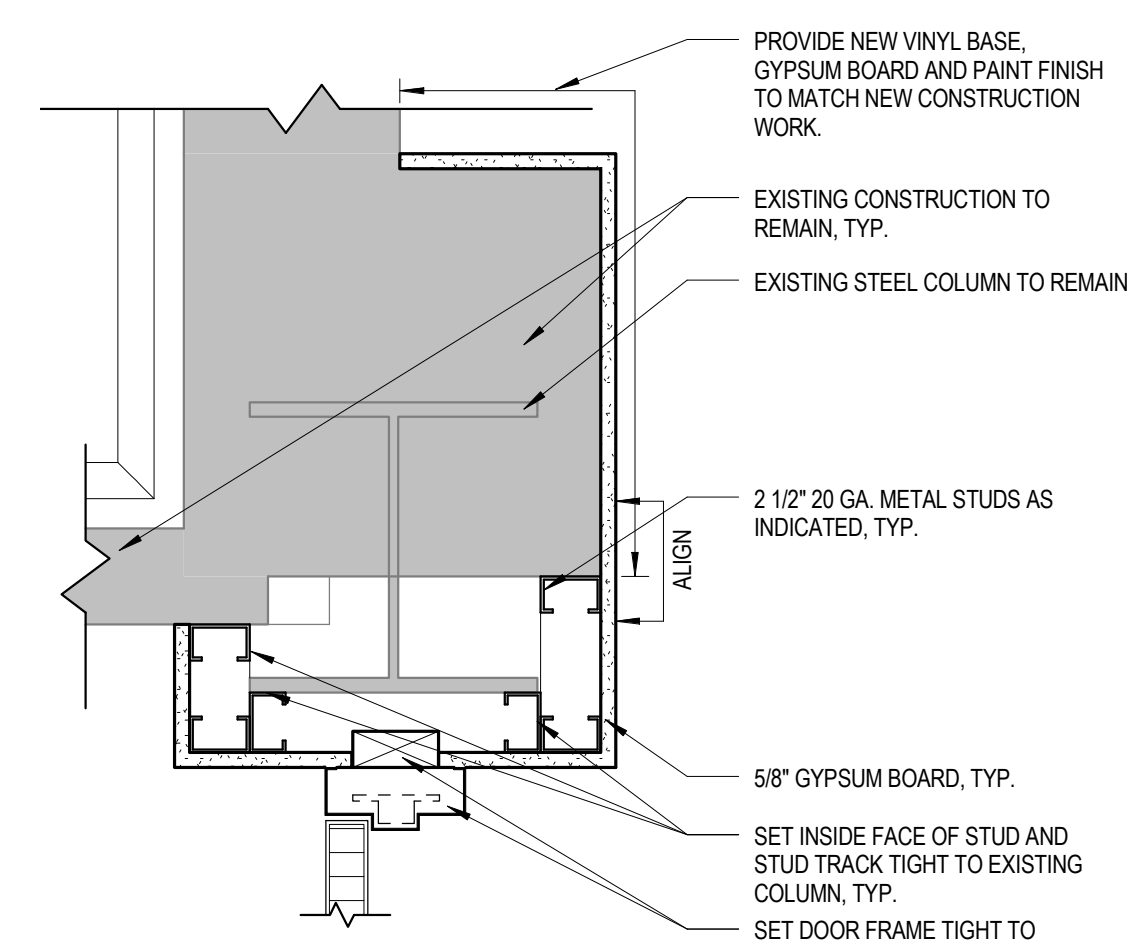
**16 DOOR/FRAME TYPES**  
SCALE: 1/4" = 1'-0"

**12 HM JAMB DETAIL (HEAD SIM)**  
SCALE: 3" = 1'-0"

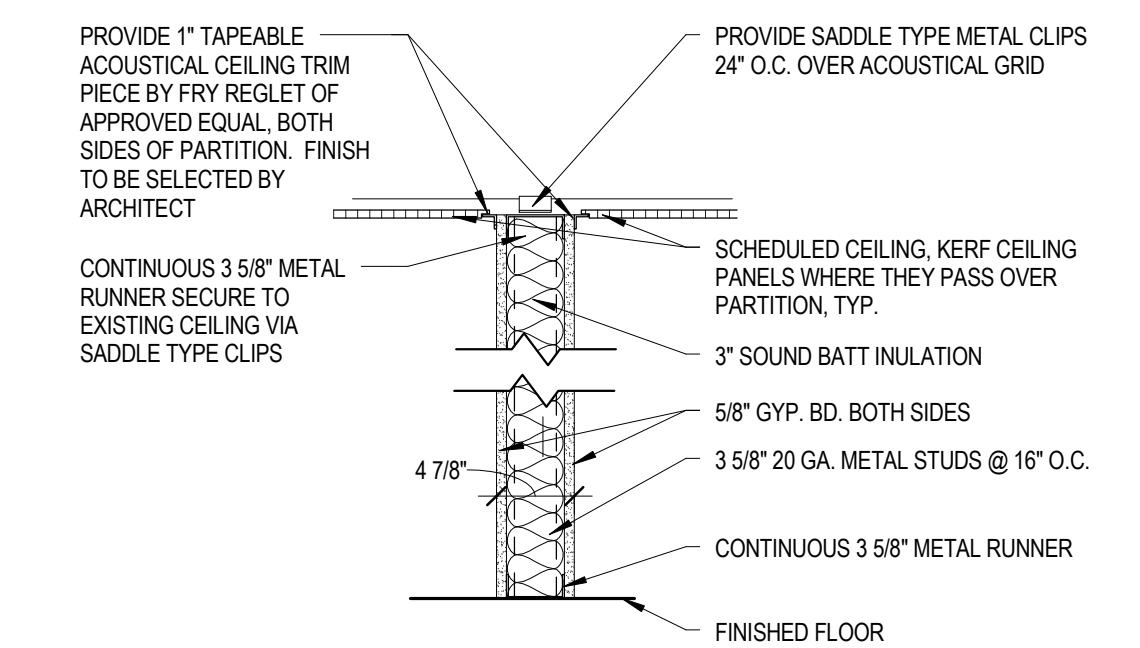
**8 FINISH SCHEDULE**  
SCALE: 1/4" = 1'-0"



**3 HOLLOW METAL FRAME DETAIL**  
SCALE: 3" = 1'-0"



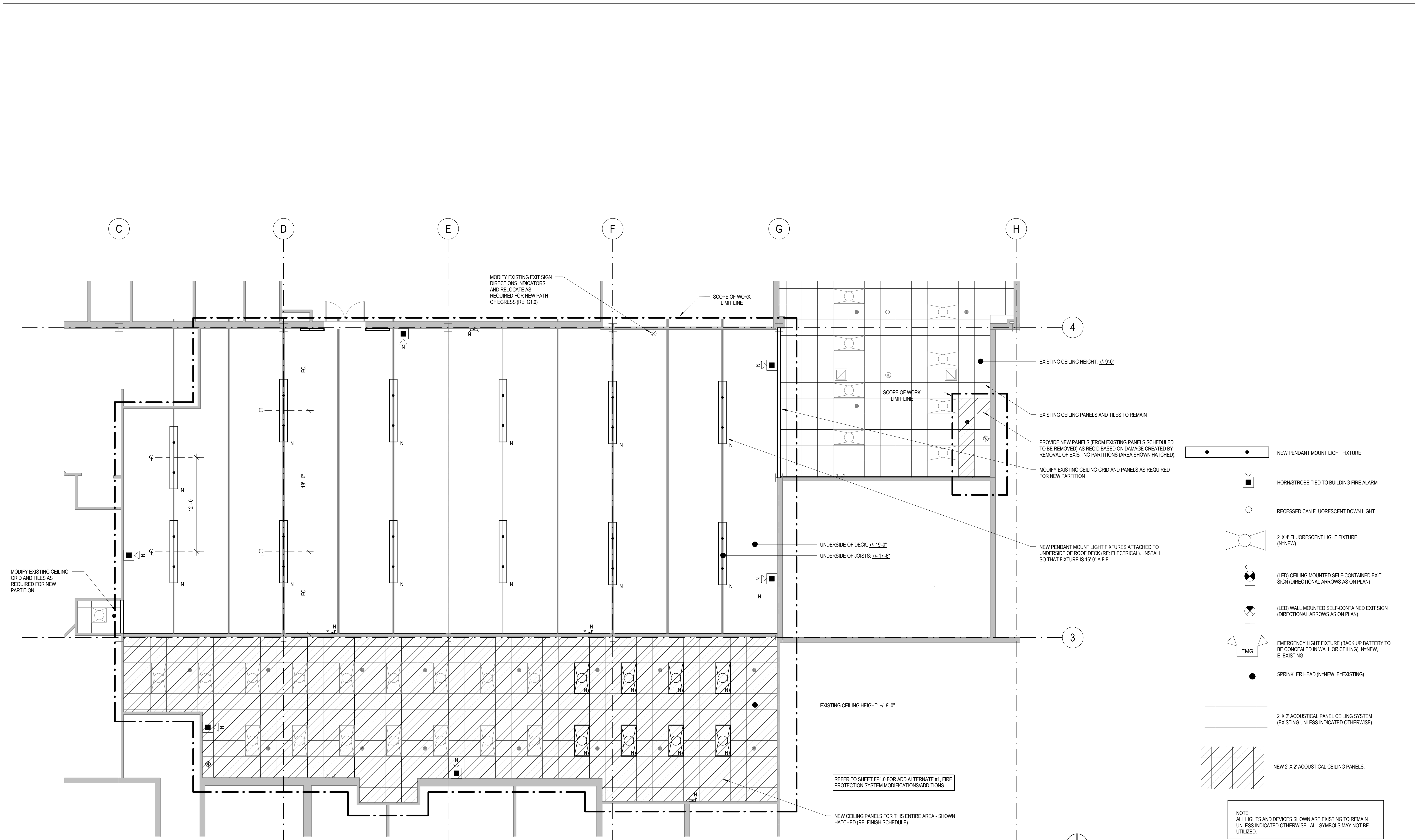
**2 PLAN DETAIL @ COL. G/4**  
SCALE: 1 1/2" = 1'-0"



**17 2ND FLOOR CONSTRUCTION PLAN**  
SCALE: 3/16" = 1'-0"

**1 PARTITION TYPE 'A'**  
SCALE: 1" = 1'-0"

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	<p>CHECKED BY: TJQ</p>		<p>APPROVED BY: DRAWING PREPARED BY: A MENTA / EMMA ARCHITECTS, P.C.</p>		<p>DATE:</p>	<p>DRAWING TITLE: CONSTRUCTION PLAN, ENLARGED PLAN DETAILS, DOOR AND FRAME DETAILS, FINISH SCHEDULE</p>
<p>REV. DATE REVISION DESCRIPTION SHEET NO.</p>	<p>Plotted Date: 12/18/2009 3:11:41 PM</p>	<p>SCALE AS NOTED</p>	<p>Filename: C:\Users\CDL\Documents\424 Chapel_POST COMMENTS-CENTRAL_CD.Lvt</p>			



**17** 2ND FLOOR RCP  
SCALE: 3/16" = 1'-0"

REFLECTED CEILING PLAN LEGEND  
SCALE: NTS

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

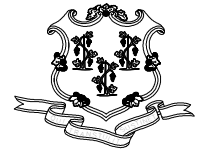
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THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER:  
CDL

CHECKED BY:  
TJQ

SCALE AS NOTED


**STATE OF CONNECTICUT**  
**DEPARTMENT OF TRANSPORTATION**

Filename: C:\Users\CDL\Documents\424 Chapel\_POST COMMENTS-CENTRAL\_CD.Lvt

SIGNATURE/  
BLOCK:  
**OFFICE OF ENGINEERING**

APPROVED BY: DATE:  
DRAWING PREPARED BY:  
A MENTA / EMMA  
ARCHITECTS, P.C.

PROJECT TITLE:  
**IMPROVEMENTS TO 424 CHAPEL STREET  
PHASE ONE**

TOWN:  
**NEW HAVEN**

DRAWING TITLE:  
REFLECTED CEILING PLAN

PROJECT NO.  
**09040**

DRAWING NO.

SHEET NO.  
**A3.0**







## ELECTRICAL LEGEND

NOTE: ALL MOUNTING HEIGHTS GIVEN ARE TO CENTERLINE OF DEVICE UNLESS OTHERWISE NOTED.

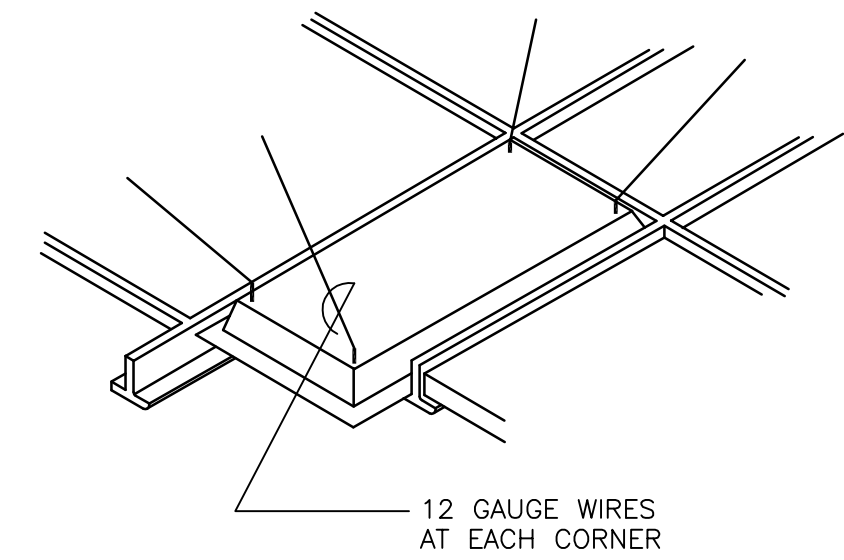
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
○	CEILING MOUNTED LIGHT FIXTURE - SUBLETTER INDICATES TYPE	—	ELECTRIC PANEL - 120/208V
○	RECESSED DOWNLIGHT FIXTURE - SUBLETTER INDICATES TYPE	□	SPECIAL PURPOSE ELECTRICAL PANEL
○	WALL MOUNTED LIGHT FIXTURE - SUBLETTER INDICATES TYPE	~	FLEXIBLE EQUIPMENT CONNECTION
□	SURFACE MOUNTED FLUORESCENT LIGHT FIXTURE - SUBLETTER INDICATES TYPE	■	FIXED/HARD-WIRED EQUIPMENT CONNECTION
□	CEILING RECESSED MOUNTED FLUORESCENT LIGHT FIXTURE - SUBLETTER INDICATES TYPE	Ⓜ	PHOTOCELL
□	FLUORESCENT LIGHT FIXTURE WITH EMERGENCY BALLAST - SUBLETTER INDICATES TYPE	Ⓜ	TIMELOCK
□	PENDANT MOUNTED FLUORESCENT LIGHT FIXTURE - SUBLETTER INDICATES TYPE	Ⓜ	CONTACTOR
Ⓜ	SINGLE FACE EXIT SIGN WITH BATTERY AND DIRECTIONAL ARROWS AS SHOWN - WALL/CEILING MOUNTED	ES	ELECTRIC DOOR STRIKE
Ⓜ	DOUBLE FACE EXIT SIGN WITH BATTERY AND DIRECTIONAL ARROWS AS SHOWN - WALL/CEILING MOUNTED	Ⓜ	DOOR CONTACT SWITCH
Ⓜ	EMERGENCY BATTERY UNIT WITH TWO DIRECTIONAL HEADS	Ⓜ	VIDEO CAMERA WITH MOUNTING HARDWARE
S	SINGLE POLE TOGGLE SWITCH - MOUNT AT 48" A.F.F.	VR	VIDEO RECORDER
S <sub>3</sub>	THREE WAY TOGGLE SWITCH - MOUNT AT 48" A.F.F.	VM	VIDEO MONITOR
S <sub>4</sub>	FOUR WAY TOGGLE SWITCH - MOUNT AT 48" A.F.F.	K	CARD READER - MOUNTED AT 48" A.F.F.
S <sub>P</sub>	SINGLE POLE TOGGLE SWITCH AND PILOT LIGHT - MOUNT AT 48" A.F.F.	Ⓜ	CEILING OR WALL MOUNTED MOTION DETECTOR
S <sub>R/A</sub>	REVERSE ACTION SWITCH	Ⓜ	INFRARED BEAM DETECTOR
S <sub>T</sub>	THERMAL OVERLOAD SWITCH - MOUNT AT FRACTIONAL HP MOTORS	Ⓜ	MICROPHONE OUTLET - WALL MOUNTED, FLOOR MOUNTED, FIRE ALARM
S <sub>E</sub>	EMERGENCY BURNER SHUT-OFF SWITCH - MOUNT AT 60" A.F.F.	A	AMPERE
Ⓜ	GROUNDING DUPLEX RECEPTACLE - MOUNT AT 18" A.F.F.	A.F.F.	ABOVE FINISHED FLOOR
Ⓜ	GROUNDING DUPLEX RECEPTACLE - MOUNT ABOVE COUNTER BACKSPLASH OR 42" A.F.F.	A.F.G.	ABOVE FINISHED GRADE
Ⓜ	GROUNDING DUPLEX RECEPTACLE - MOUNT HORIZONTALLY IN CASEWORK TOE SPACE	AHU	AIR HANDLING UNIT
Ⓜ	GROUNDING DUPLEX RECEPTACLE - GFI TYPE - MOUNT AT 18" A.F.F. - SEE NOTE BELOW	C	CONDUIT
Ⓜ	GROUNDING DUPLEX RECEPTACLE - WEATHERPROOF TYPE - MOUNT AT 24" A.F.F.	C/B	CIRCUIT BREAKER
Ⓜ	GROUNDING DOUBLE DUPLEX RECEPTACLE - MOUNT AT 18" A.F.F.	CHP	CONSOLE HEAT PUMP
Ⓜ	SPECIAL PURPOSE RECEPTACLE - MATCH NEMA CONFIGURATION OF EQUIPMENT SERVED - MOUNT AT 18" A.F.F.	CR	CIRCUIT
Ⓜ	TELEPHONE OUTLET WITH BACKBOX, COVER PLATE AND CONDUIT TO CEILING SPACE - MOUNT AT 18" A.F.F.	CUH	CABINET UNIT HEATER
Ⓜ	TELEPHONE OUTLET WITH BACKBOX, COVER PLATE AND CONDUIT TO CEILING SPACE - MOUNT AT 48" A.F.F.	DHP	DUCTED HEAT PUMP
Ⓜ	PAY TELEPHONE OUTLET WITH BACKBOX, COVER PLATE AND CONDUIT TO CEILING SPACE - MOUNT AT 48" A.F.F.	E	EXISTING TO REMAIN
Ⓜ	DATA OUTLET WITH BACKBOX, COVER PLATE AND CONDUIT TO CEILING SPACE - MOUNT AT 18" A.F.F.	EBR	ELECTRIC BASEBOARD RADIATION
Ⓜ	VIDEO OUTLET WITH BACKBOX, COVER PLATE AND CONDUIT TO CEILING SPACE - MOUNT AT 18" A.F.F.	EBU	EMERGENCY BATTERY UNIT
Ⓜ	FIRE ALARM MASTER BOX	EF	EXHAUST FAN
Ⓜ	MANUAL FIRE ALARM PULL STATION - MOUNT AT 48" A.F.F.	EM	ITEM PROVIDED WITH OR CONNECTED TO EMERGENCY POWER
Ⓜ	SMOKE DETECTOR	EMT	ELECTRICAL METALLIC TUBING
Ⓜ	HEAT DETECTOR	EWC	ELECTRIC WATER COOLER
Ⓜ	HEAT DETECTOR - 200° RATED	EWH	ELECTRIC WATER HEATER
Ⓜ	DUCT SMOKE DETECTOR	EX	EXISTING
Ⓜ	MAGNETIC DOOR HOLDER	FA	FIRE ALARM
Ⓜ	FIRE ALARM VISUAL ONLY INDICATING UNIT - MOUNT AT 6"-8" AFF	FMC	FLEXIBLE METALLIC TUBING
Ⓜ	FIRE ALARM VOICE EVACUATION SPEAKER AND VISUAL INDICATING UNIT - MOUNT AT 6"-8" A.F.F.	GFI	GROUND FAULT INTERRUPTER
Ⓜ	FIRE ALARM MINI-HORN AND VISUAL INDICATING UNIT - MOUNT AT 6"-8" A.F.F.	IEF	IN-LINE EXHAUST FAN
Ⓜ	FIRE ALARM HORN AND VISUAL INDICATING UNIT - MOUNT AT 6"-8" A.F.F.	IG	ISOLATED GROUND
SD	FIRE ALARM SMOKE DAMPER - PROVIDED AND INSTALLED BY DIV. 15 WIRED BY DIV. 16	JB	JUNCTION BOX
Ⓜ	FLOW SWITCH	MAH	MAKE-UP AIR UNIT
Ⓜ	TAMPER SWITCH	MD	MOTORIZED DAMPER
Ⓜ	SUPERVISORY SWITCH	NL	NEW LOCATION OF EXISTING RELOCATED
Ⓜ	PRESSURE SWITCH	NR	NEW TO REPLACE EXISTING
FACP	FIRE ALARM CONTROL PANEL	P	POLE
RAP	FIRE ALARM REMOTE ANNUNCIATOR PANEL	PE	PRIMARY ELECTRIC SERVICE
Ⓜ	COMBINATION SPEAKER CLOCK IN COMMON ENCLOSURE - MOUNT AT 8'-0" AFF TO BOTTOM OF DEVICE	PGFI	PERSONAL GROUND FAULT INTERRUPTER
Ⓜ	CEILING MOUNTED SOUND SYSTEM SPEAKER	PVC	POLYVINYL CHLORIDE CONDUIT
Ⓜ	EMERGENCY "CALL-FOR-AID" SWITCH - MOUNT AT 48" A.F.F. WITH PULL CORD TO 6" A.F.F.	RAP	REMOTE ANNUNCIATOR PANEL
Ⓜ	EMERGENCY "CALL-FOR-AID" BUZZER/LIGHT - MOUNT AT 7'-6" A.F.F.	RE	REMOVE EXISTING
G/H	EMERGENCY SHUT-OFF SWITCH - MOUNT AT 48" A.F.F. - G = GAS - E = ELECTRIC	REF	ROOF EXHAUST FAN
Ⓜ	JUNCTION BOX	RGS	RIGID GALVANIZED STEEL CONDUIT
Ⓜ	MOTOR	RL	RELOCATE EXISTING
Ⓜ	NON-FUSED DISCONNECT SWITCH	RR	REMOVE AND REPLACE ON NEW SURFACE
Ⓜ	FUSED DISCONNECT SWITCH	RTU	ROOFTOP UNIT
Ⓜ	MAGNETIC MOTOR STARTER	SD	SMOKE DAMPER
Ⓜ	SWITCH LEG WIRING	SE	SECONDARY ELECTRIC SERVICE
Ⓜ	BRANCH CIRCUIT WIRING	T	TELEPHONE SERVICE
Ⓜ	BRANCH CIRCUIT FEEDER	TCP	TEMPERATURE CONTROL PANEL
Ⓜ	CONTROL WIRING	TV	TELEVISION
Ⓜ	EMERGENCY WIRING	TX	TRANSFORMER
Ⓜ	NIGHT LIGHT CIRCUIT	UF	UNFUSED
Ⓜ	ELECTRICAL GROUND	WEF	WALL EXHAUST FAN
Ⓜ	EXISTING CONDUIT WITH NEW WIRING	WP	WEATHER PROOF

### ELECTRICAL NOTES:

- RECEPTACLES LOCATED WITHIN 5' OF A WATER SOURCE AND WHERE REQUIRED BY CODE SHALL BE PROVIDED WITH A GFI TYPE RECEPTACLE WHETHER INDICATED OR NOT.
- ALL SYMBOLS MAY NOT BE USED.
- MINIMUM AWG WIRE SIZE TO BE #12. USE THHN/THWN (Cu) CONDUCTORS.
- ELECTRICAL CONTRACTOR TO OBTAIN ELECTRICAL PERMIT AND PAY ASSOCIATED FEES.
- ALL WORK TO MEET STATE BUILDING CODE, NATIONAL ELECTRICAL CODE, AND LOCAL BUILDING CODE REQUIREMENTS IF ANY.
- ELECTRICAL INSTALLATION SHALL BE CHECKED AND TESTED FOR PROPER OPERATION. ANY WORK FOUND NOT SATISFACTORY OR OPERATING PROPERLY, SHALL BE REPAIRED/REPLACED, RETESTED AND SHOWN TO BE OPERATING AS REQUIRED.
- ELECTRICAL CONTRACTOR TO COORDINATE WITH OTHER CONTRACTORS, ARCHITECT, TENANT AND OTHER NECESSARY PARTIES TO INSURE WORK PROGRESSES IN A TIMELY FASHION.
- ALL DEVICES TO BE COMMERCIAL GRADE, 20A RATED.
- ALL WORK TO BE WARRANTED FOR ONE (1) YEAR FROM DATE OF ACCEPTANCE.

### LIGHTING NOTES:

- ALL FLUORESCENT FIXTURES TO BE PROVIDED WITH ELECTRONIC LAMPS AND BALLASTS. BALLASTS TO BE RATED <10% TOTAL HARMONIC DISTORTION (THD).
- ALL FLUORESCENT LAMPS TO BE COLOR TEMPERATURE 3500°K.
- SEISMIC RESTRAINTS:  
IN ADDITION TO THE REQUIREMENTS OF IBC 2003 SECTION 1621 AND THE NEC SECTION 410-16(c), ALL RECESSED LIGHT FIXTURES SHALL BE PROVIDED WITH SUPPORT WIRES AT A MINIMUM OF FOUR (4) PER FIXTURE AND LOCATED NOT MORE THAN SIX (6") INCHES FROM EACH CORNER, EXTENDED AND ATTACHED TO THE BUILDING STRUCTURE. HANGER WIRES SHALL BE GALVANIZED CARBON STEEL, ASTM A641, SOFT TEMPER, PRE-STRETCHED WITH A YIELD STRESS LOAD OF ATLEAST THREE (3) TIMES DESIGN LOAD BUT NOT LESS THAN 12 GAUGE (0.106"). FOR ROUND FIXTURES OR FIXTURES SMALLER THAN THE CEILING GRID, PROVIDE A MINIMUM OF FOUR (4) WIRES PER FIXTURE AND LOCATE AT EACH CORNER OF THE CEILING GRID IN WHICH THE FIXTURE IS TO BE LOCATED. ADDITIONALLY, WHERE FIXTURES OF SIZES LESS THAN THE CEILING GRID ARE INDICATED TO BE CENTERED IN THE ACOUSTICAL PANEL, SUCH FIXTURES SHALL BE SUPPORTED WITH A MINIMUM OF TWO (2) 3/4" METAL CHANNELS SPANNING AND SECURED TO THE CEILING TEES.
- WIRE ALL EMERGENCY AND EXIT LIGHT FIXTURES TO THE LINE SIDE OF AREA LIGHTING CIRCUIT TO SENSE LOSS OF NORMAL LIGHT CIRCUIT POWER AND FOR CONTINUOUS TRICKLE CHARGE.



LIGHTING FIXTURE BRACING DETAIL  
NOT TO SCALE

### LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOG NUMBER	LAMPS		VOLTS	MOUNTING	FINISH	EQUALS
			QTY	TYPE				
A	LITE CONTROL	P-SD-1848T5HO-PBSS	4	T5HO	277	AIRCRAFT CABLE		METALUMEN, FOCAL POINT
B	LITHONIA	2SP-G-3-32-7815-LD-MVOLT-1/3	3	T8		RECESSED		DAYBRITE, HUBBELL
EM	LIGHTALARMS	LCA-2SQ	INCL			WALL		DUAL LITE, SURE-LITES

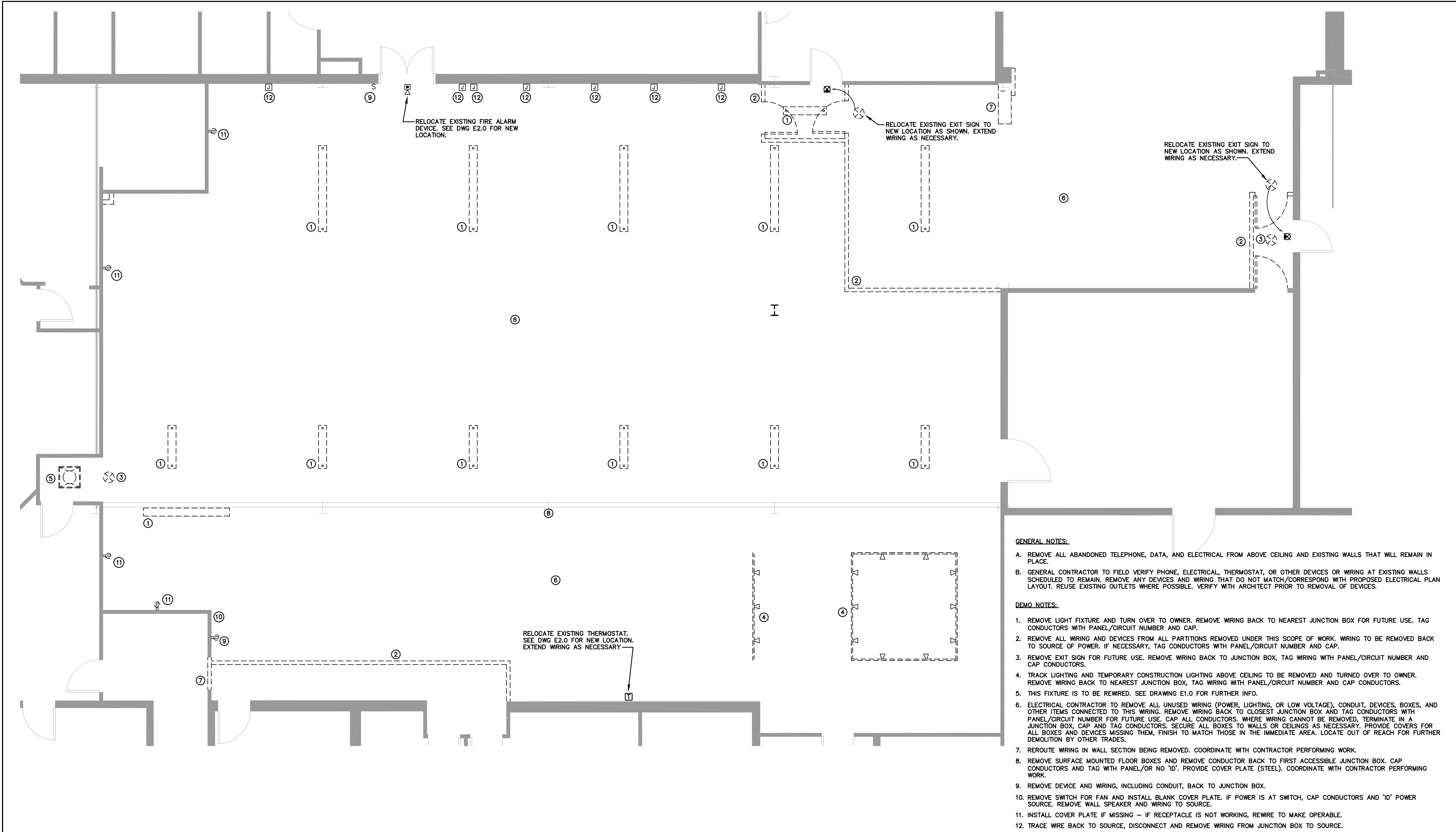
### PANEL SCHEDULE

CKT #	AREA SERVED	C/B	WIRE	CONNECTED LOAD IN KW			SQ. FT. AREA	CKT #	AREA SERVED	C/B	WIRE	CONNECTED LOAD IN KW		
				MOTOR	RECEPT.	LIGHT						MOTOR	RECEPT.	LIGHT
1	CUBICLES	20/1	#12		0.8		A	2	CUBICLES	20/1	#12		0.8	
3	CUBICLES	20/1	#12		1.2		B	4	CUBICLES	20/1	#12		1.2	
5	CUBICLES	20/1	#12		0.8		C	6	COPIER	20/1	#12		1.2	
7	COPIER	20/1	#12		1.2		A	8	COPIER	20/1	#12		1.2	
9	COPIER	20/1	#12		1.2		B	10	CUBICLES	20/1	#12		1.4	
11	CUBICLES	20/1	#12		1.2		C	12	CUBICLES	20/1	#12		0.6	
13	CUBICLES	20/1	#12		1.2		A	14	CUBICLES	20/1	#12		1.2	
15	CUBICLES	20/1	#12		1.2		B	16	CUBICLES	20/1	#12		1.2	
17	CUBICLES	20/1	#12		1.2		C	18	PRINTER	20/1	#12		1.2	
19	GEN RECEPETS	20/1	#12		0.8		A	20	PRINTER	20/1	#12		1.2	
21	RELOCATED 20A/1P FROM PANEL 'NLA'						B	22	RELOCATED 20A/1P FROM PANEL 'NLA'					
23	RELOCATED 20A/1P FROM PANEL 'NLA'						C	24	RELOCATED 20A/1P FROM PANEL 'NLA'					

NOTE: PANEL TO BE A LOAD CENTER MANUFACTURED BY G.E., EATON, SQUARE-D OR SIEMENS

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 12/10/2009	DESIGNER/DRAFTER: JIZ	 <b>STATE OF CONNECTICUT</b> DEPARTMENT OF TRANSPORTATION	SIGNATURE/ BLOCK: <b>OFFICE OF ENGINEERING</b>	PROJECT TITLE: <b>IMPROVEMENTS TO 424 CHAPEL STREET PHASE ONE</b>	TOWN: <b>NEW HAVEN</b>	PROJECT NO. <b>09040</b>
					CHECKED BY: LJS		APPROVED BY: DRAWING PREPARED BY: A MENTA/EMMA ARCHITECTS, P.C.		DRAWING TITLE: ELECTRICAL SYMBOL LIST, FIXTURE SCHEDULE PANEL SCHEDULE, AND NOTES	DRAWING NO.
					SCALE: NO SCALE					SHEET NO. <b>E0.0</b>

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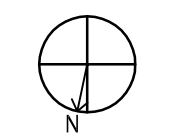
**GENERAL NOTES:**

- A. REMOVE ALL ABANDONED TELEPHONE, DATA, AND ELECTRICAL FROM ABOVE CEILING AND EXISTING WALLS THAT WILL REMAIN IN PLACE.
- B. GENERAL CONTRACTOR TO FIELD VERIFY PHONE, ELECTRICAL, THERMOSTAT, OR OTHER DEVICES OR WIRING AT EXISTING WALLS SCHEDULED TO REMAIN. REMOVE ANY DEVICES AND WIRING THAT DO NOT MATCH/CORRESPOND WITH PROPOSED ELECTRICAL PLAN LAYOUT. REUSE EXISTING OUTLETS WHERE POSSIBLE. VERIFY WITH ARCHITECT PRIOR TO REMOVAL OF DEVICES.

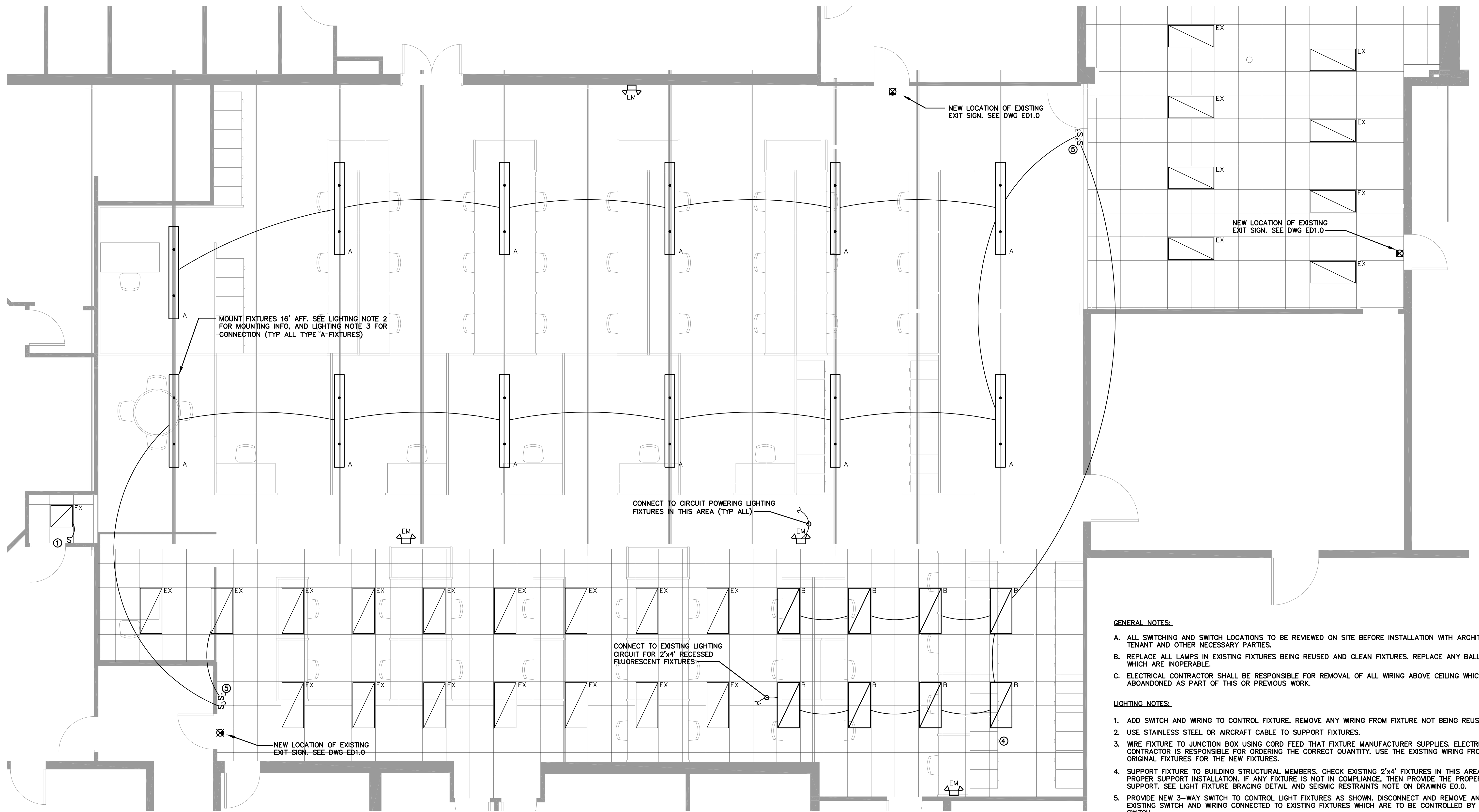
**DEMO NOTES:**

- 1. REMOVE LIGHT FIXTURE AND TURN OVER TO OWNER. REMOVE WIRING BACK TO NEAREST JUNCTION BOX FOR FUTURE USE. TAG CONDUCTORS WITH PANEL/CIRCUIT NUMBER AND CAP.
- 2. REMOVE ALL WIRING AND DEVICES FROM ALL PARTITIONS REMOVED UNDER THIS SCOPE OF WORK. WIRING TO BE REMOVED BACK TO SOURCE OF POWER. IF NECESSARY, TAG CONDUCTORS WITH PANEL/CIRCUIT NUMBER AND CAP.
- 3. REMOVE EXIT SIGN FOR FUTURE USE. REMOVE WIRING BACK TO JUNCTION BOX, TAG WIRING WITH PANEL/CIRCUIT NUMBER AND CAP CONDUCTORS.
- 4. TRACK LIGHTING AND TEMPORARY CONSTRUCTION LIGHTING ABOVE CEILING TO BE REMOVED AND TURNED OVER TO OWNER. REMOVE WIRING BACK TO NEAREST JUNCTION BOX, TAG WIRING WITH PANEL/CIRCUIT NUMBER AND CAP CONDUCTORS.
- 5. THIS FIXTURE IS TO BE REWIRED. SEE DRAWING E1.0 FOR FURTHER INFO.
- 6. ELECTRICAL CONTRACTOR TO REMOVE ALL UNUSED WIRING (POWER, LIGHTING, OR LOW VOLTAGE), CONDUIT, DEVICES, BOXES, AND OTHER ITEMS CONNECTED TO THIS WIRING. REMOVE WIRING BACK TO CLOSEST JUNCTION BOX AND TAG CONDUCTORS WITH PANEL/CIRCUIT NUMBER FOR FUTURE USE. CAP ALL CONDUCTORS. WHERE WIRING CANNOT BE REMOVED, TERMINATE IN A JUNCTION BOX, CAP AND TAG CONDUCTORS. SECURE ALL BOXES TO WALLS OR CEILINGS AS NECESSARY. PROVIDE COVERS FOR ALL BOXES AND DEVICES MISSING THEM, FINISH TO MATCH THOSE IN THE IMMEDIATE AREA. LOCATE OUT OF REACH FOR FURTHER DEMOLITION BY OTHER TRADES.
- 7. REROUTE WIRING IN WALL SECTION BEING REMOVED. COORDINATE WITH CONTRACTOR PERFORMING WORK.
- 8. REMOVE SURFACE MOUNTED FLOOR BOXES AND REMOVE CONDUCTOR BACK TO FIRST ACCESSIBLE JUNCTION BOX. CAP CONDUCTORS AND TAG WITH PANEL/OR NO 'ID'. PROVIDE COVER PLATE (STEEL). COORDINATE WITH CONTRACTOR PERFORMING WORK.
- 9. REMOVE DEVICE AND WIRING, INCLUDING CONDUIT, BACK TO JUNCTION BOX.
- 10. REMOVE SWITCH FOR FAN AND INSTALL BLANK COVER PLATE. IF POWER IS AT SWITCH, CAP CONDUCTORS AND 'ID' POWER SOURCE. REMOVE WALL SPEAKER AND WIRING TO SOURCE.
- 11. INSTALL COVER PLATE IF MISSING - IF RECEPTACLE IS NOT WORKING, REWIRE TO MAKE OPERABLE.
- 12. TRACE WIRE BACK TO SOURCE, DISCONNECT AND REMOVE WIRING FROM JUNCTION BOX TO SOURCE.

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SIGNATURE/BLOCK: <b>OFFICE OF ENGINEERING</b>		PROJECT TITLE: <b>IMPROVEMENTS TO 424 CHAPEL STREET</b> <b>PHASE ONE</b>		TOWN: <b>NEW HAVEN</b>		PROJECT NO. <b>09040</b>	
APPROVED BY: DRAWING PREPARED BY: A.MENTA/EMMA ARCHITECTS, P.C.		DATE:		DRAWING TITLE: <b>ELECTRICAL DEMOLITION PLAN</b>		SHEET NO. <b>ED1.0</b>	
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 12/10/2009	Filename:		



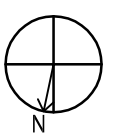
**GENERAL NOTES:**

- A. ALL SWITCHING AND SWITCH LOCATIONS TO BE REVIEWED ON SITE BEFORE INSTALLATION WITH ARCHITECT, TENANT AND OTHER NECESSARY PARTIES.
- B. REPLACE ALL LAMPS IN EXISTING FIXTURES BEING REUSED AND CLEAN FIXTURES. REPLACE ANY BALLASTS WHICH ARE INOPERABLE.
- C. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL WIRING ABOVE CEILING WHICH IS ABOARDONED AS PART OF THIS OR PREVIOUS WORK.

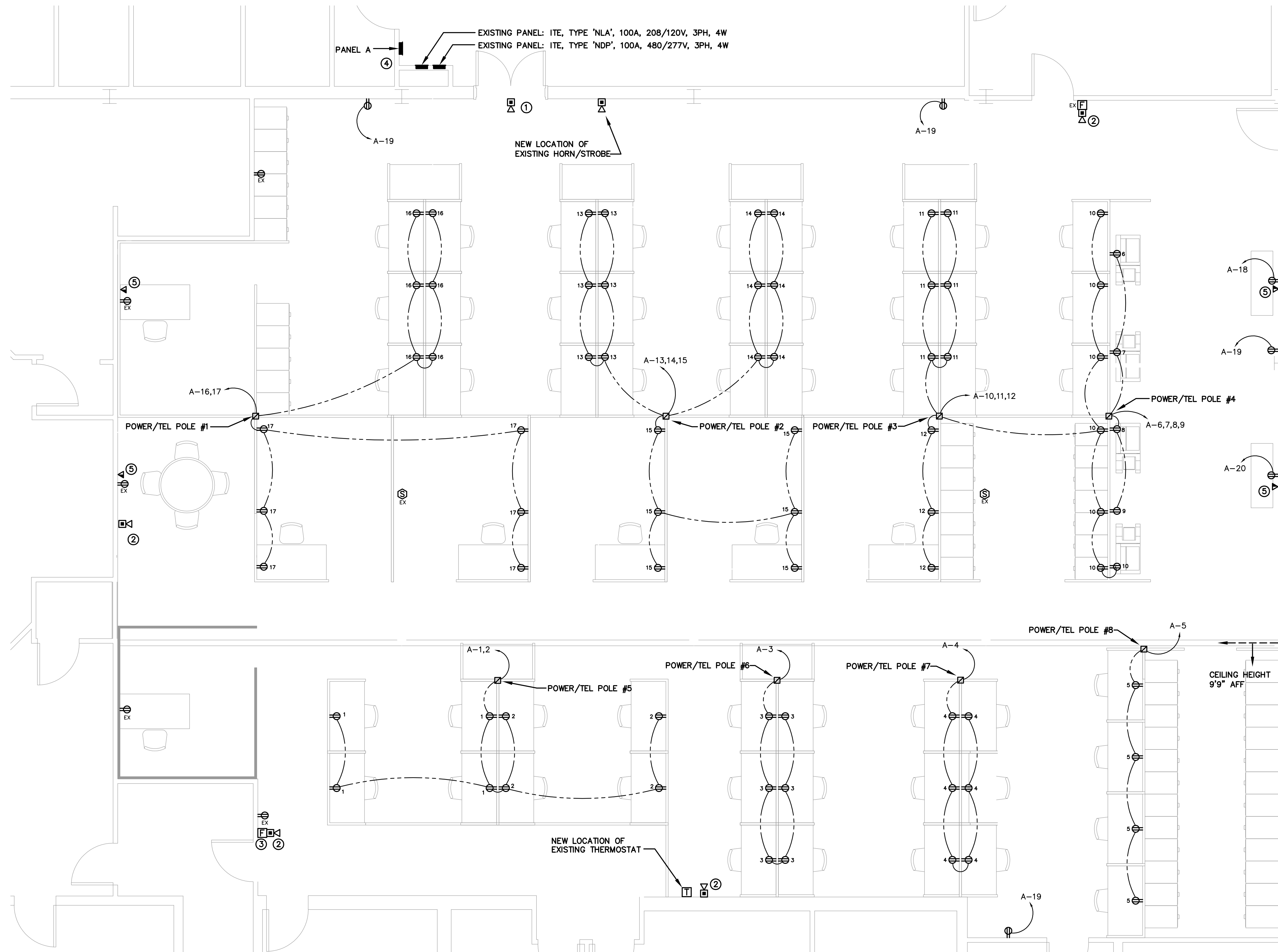
**LIGHTING NOTES:**

1. ADD SWITCH AND WIRING TO CONTROL FIXTURE. REMOVE ANY WIRING FROM FIXTURE NOT BEING REUSED.
2. USE STAINLESS STEEL OR AIRCRAFT CABLE TO SUPPORT FIXTURES.
3. WIRE FIXTURE TO JUNCTION BOX USING CORD FEED THAT FIXTURE MANUFACTURER SUPPLIES. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ORDERING THE CORRECT QUANTITY. USE THE EXISTING WIRING FROM THE ORIGINAL FIXTURES FOR THE NEW FIXTURES.
4. SUPPORT FIXTURE TO BUILDING STRUCTURAL MEMBERS. CHECK EXISTING 2'x4' FIXTURES IN THIS AREA FOR PROPER SUPPORT INSTALLATION. IF ANY FIXTURE IS NOT IN COMPLIANCE, THEN PROVIDE THE PROPER SUPPORT. SEE LIGHT FIXTURE BRACING DETAIL AND SEISMIC RESTRAINTS NOTE ON DRAWING E0.0.
5. PROVIDE NEW 3-WAY SWITCH TO CONTROL LIGHT FIXTURES AS SHOWN. DISCONNECT AND REMOVE ANY EXISTING SWITCH AND WIRING CONNECTED TO EXISTING FIXTURES WHICH ARE TO BE CONTROLLED BY NEW SWITCH.

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		CHECKED BY: LJS		APPROVED BY: DRAWING PREPARED BY: <b>A MENTA/EMMA</b> <b>ARCHITECTS, P.C.</b>			DATE:  	DRAWING TITLE: <b>ELECTRICAL</b> <b>LIGHTING PLAN</b>
<b>REV.</b>	<b>DATE</b>	<b>REVISION DESCRIPTION</b>	<b>SHEET NO.</b>	Plotted Date: 12/10/2009	SCALE: 1/4"=1'-0"	Filename:		

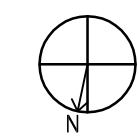


**GENERAL NOTES:**

- A. FIRE ALARM WIRING – INSTALL WIRING CONCEALED WITHIN WALLS. IN CEILING, OPEN WIRING IS ALLOWED. PROVIDE APPROPRIATE BOXES COMPATIBLE WITH WIRING METHOD AND DEVICE. NO SURFACE MOUNTED WIRING SHALL BE ACCEPTABLE.
- B. FIRE ALARM SYSTEM – ELECTRICAL CONTRACTOR TO CONTRACT FIRE ALARM SUPPLIER TO COMPLETE CHECK AND TEST OF SYSTEM TO INSURE PROPER OPERATION. ALL DEVICES TO BE 'ADA' COMPLIANT.
- C. ELECTRICAL CONTRACTOR TO INSTALL WIRING FROM POWER/TEL POLE TO PANEL A AND MAKE CONNECTION AT POLE.
- D. EMT IS TO BE USED FROM PANEL TO POWER/TEL POLES. WIRING TO BE AS FOLLOWS FOR RECEPTACLE CIRCUITS: 1-#10AWG CONDUCTOR AS NEUTRAL FOR EVERY TWO CIRCUITS. ALSO, INSTALL 1" EMT FROM COMMUNICATION SIDE OF POLE TO CEILING JOIST AND SECURE PROPERLY WITH BEAM CLAMP. PROVIDE A PULL STRING FOR USE BY OTHERS.
- E. WIRING SHOWN AS DASHED IS BY OTHERS.

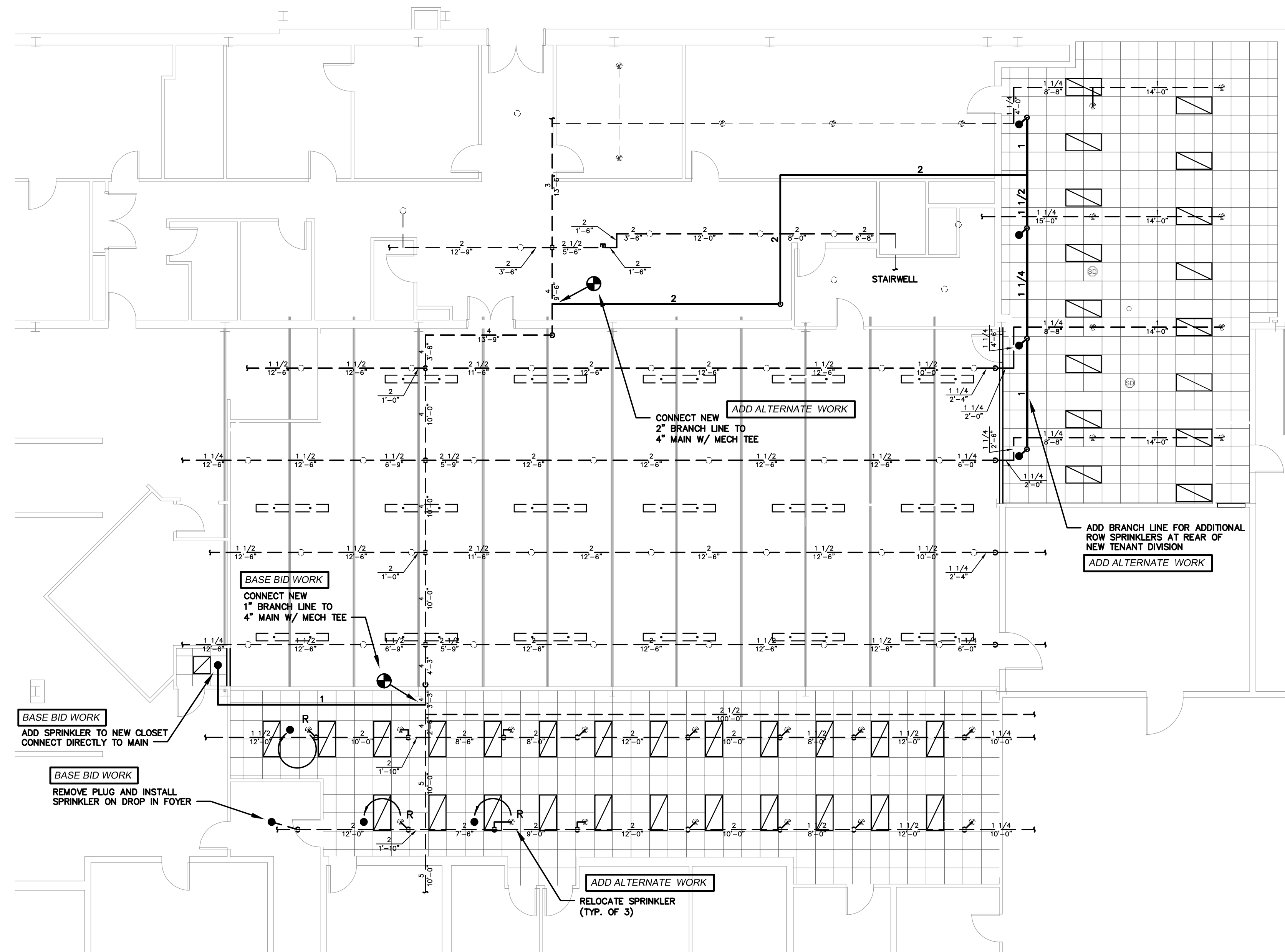
**KEY NOTES:**

- 1. REMOVE EXISTING HORN/STROBE. RELOCATE WIRING TO WALL/CEILING LINE AND WIRE TO NEW LOCATION AS SHOWN. SLEEVE WIRING DOWN WITHIN WALL. PROVIDE APPROPRIATE BOX FOR DEVICE AND WIRING METHOD.
- 2. WIRE HORN/STROBE TO EXISTING NOTIFICATION CIRCUIT. MOUNTING HEIGHT OF LENS TO BE 80" AFF.
- 3. WIRE MANUAL PULL STATION TO NEAREST INITIATION CIRCUIT. MOUNTING HEIGHT TO CENTER TO BE 48" AFF.
- 4. RELOCATE 3-20A, 120V CIRCUITS FROM ITE PANEL TYPE 'NLA' TO NEW PANEL A. PROVIDE 60A 3P CIRCUIT BREAKER TO SUBFEED PANEL A. MARK CIRCUIT DIRECTORY INDICATING AIR CIRCUIT LOADS.
- 5. SUPPLY A PLASTER RING FOR EXISTING WALLS (CADDY TYPE MPLS) WITH PULL STRING TO ACCESSIBLE CEILING SPACE.



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REV.	DATE	REVISION DESCRIPTION	SHEET NO.				



**FIRE PROTECTION LEGEND**

	EXISTING FIRE PROTECTION PIPING WITH SIZE AND LENGTH
	EXISTING UPRIGHT SPRINKLER
	EXISTING RECESSED SPRINKLER
	RELOCATE EXISTING SPRINKLER HEAD DROP WITH A PIPE ARMOVER
	PROPOSED SPRINKLER PIPING WITH SIZE
	NEW RECESSED SPRINKLER
	POINT OF CONNECTION
	PENDANT FLUORESCENT LIGHT FIXTURE
	RECESSED FLUORESCENT LIGHT FIXTURE

**SPRINKLER SPECIFICATION**

- I. **DESCRIPTION:**
  - A. RELOCATION OF EXISTING SPRINKLER HEADS AND INSTALLATION OF NEW SPRINKLER HEAD DROPS TO SUIT SPACE CHANGES FOR TENANT SPACE RECONFIGURATION.
  - B. FURNISH ALL NECESSARY LABOR, MATERIAL, TOOLS, EQUIPMENT, APPURTENANCES, INSTRUMENTS, ETC., NECESSARY TO FULLY COMPLETE THE FIRE PROTECTION SYSTEM IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS AND BOTH LOCAL AND STATE FIRE CODES AND N.F.P.A. #13.
- II. **CONTRACTOR'S RESPONSIBILITIES:**
  - A. ALL PERMITS AND FEES.
  - B. HOISTING, RIGGING, TRANSPORTATION COSTS AND INSTALLATION OF NECESSARY APPURTENANCES.
  - C. THE CONTRACTOR SHALL VISIT THE PREMISES AND NOTE ALL PERTINENT FACTS AND DETAILS INCLUDING CONDITIONS UNDER WHICH THE WORK MUST BE CARRIED OUT. NO ALLOWANCE WILL BE MADE FOR FAILURE TO HAVE DONE SO.
  - D. THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE NOTIFICATION OF OUTAGE AND IMPAIRMENT TO THE EXISTING FIRE PROTECTION SYSTEMS TO GENERAL CONTRACTOR, BUILDING OWNER AND LOCAL AUTHORITIES. LEAVE SPRINKLER SYSTEM OPERATIONAL DURING CONSTRUCTION TO GREATEST EXTENT POSSIBLE.
  - E. EXPENSES FOR FIRE WATCHES ARE THE RESPONSIBILITY OF THE FIRE PROTECTION CONTRACTOR.
  - F. HOLES - CUTTING AND PATCHING; CUTTING WILL BE BY CORE BORING, PATCHING WILL REQUIRE BOTH WATERPROOFING AND FIREPROOFING.
  - G. DRAWINGS ARE DIAGRAMMATIC; DO NOT SCALE DRAWINGS. MAKE SUCH DEVIATIONS AND OFFSETS AS NECESSARY TO MEET SPACE REQUIREMENTS.
  - H. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WATER DAMAGE TO THE PROPERTY OF THE OWNER, THE WORK OF OTHER TRADES, AND TO EXISTING BUILDING SYSTEMS DURING ALL PHASES OF THE WORK.
- III. **PRODUCTS:**

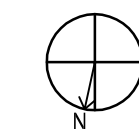
ALL PIPING, FITTINGS, VALVES, MATERIAL, ETC., TO BE EQUAL TO EXISTING, THE SAME TYPE AND QUALITY.

- IV. **INTERIOR PIPING:**
  - A. STANDARD WEIGHT SCHEDULE 40 BLACK STEEL PIPE, ASTM A-795 OR A-53, WITH:
    1. VICTAULIC STYLE 005 COUPLINGS AND FULL FLOW FITTINGS, ASTM A-47 AND A-536, IN SIZES 2" AND SMALLER. STANDARD SQUARE CUT GROOVES TO COUPLING MANUFACTURER'S SPECIFICATIONS.
    2. MALLEABLE IRON THREADED FITTINGS 150 LB. ANSI B16.3, OR CAST IRON THREADED FITTINGS 250 LB. ANSI B16.4, IN ALL SIZES.
  - B. LIGHT WALL PIPE SCHEDULE 10, ASTM A-135, VICTAULIC STYLE 005 COUPLINGS AND FULL FLOW FITTINGS, ASTM A-47 AND A-536, IN SIZES 2-1/2" AND LARGER, WITH ROLLED GROOVES. NO CUT GROOVES OR THREADING WILL BE ALLOWED ON SCHEDULE 10.
- V. **SPRINKLER HEADS:**

SPRINKLER HEADS SHALL BE VIKING, RELIABLE, VICTAULIC OR TYCO. EQUAL TO THE FOLLOWING MODEL NUMBER(S) AND TYPE(S):

  - A. RELIABLE MODEL F1FR RECESSED PENDENT SPRINKLER, 1/2" ORIFICE, 155°F, CHROME PLATED FINISH WITH MODEL F2 CHROME PLATED ESCUTCHEON.
- VI. **EXECUTION:**
  - A. THE COMPLETE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH RULES AND REGULATIONS PERTAINING TO LIGHT HAZARD (NOT TO EXCEED 168 SQ.FT. PER HEAD) OCCUPANCY AND COMPLY WITH FULL REQUIREMENTS OF THE REGULATORY AGENCIES. MINIMUM PIPE SIZE SHALL BE AS GIVEN ON THE PLANS OR PIPE SCHEDULE.
  - B. THE FIRE PROTECTION CONTRACTOR SHALL PREPARE WORK INSTALLATION DRAWINGS (SHOP DRAWINGS) AND SHALL SUBMIT THEM TO THE ENGINEER AND RATING BUREAU FOR APPROVAL.
  - C. BEFORE COMMENCING WORK, THE FIRE PROTECTION CONTRACTOR SHALL COORDINATE WITH OTHER TRADES, SO THAT NO POSSIBLE INTERFERENCE WILL OCCUR. IF, DUE TO INADEQUATE COORDINATION, EXTRA WORK IS ENTAILLED, THE FIRE PROTECTION CONTRACTOR SHALL BE HELD FULLY RESPONSIBLE.
  - D. EXISTING SPRINKLER SUPPLY MAIN AND BRANCH SPRINKLER PIPING SHALL BE ADJUSTED AS REQUIRED TO CLEAR OTHER WORK AND MAINTAIN NEW CEILING HEIGHTS, AS INDICATED ON THE LATEST ARCHITECTURAL DRAWINGS.

- VII. **PIPING SYSTEMS:**
  - A. SPECIAL CARE MUST BE TAKEN TO INSURE THAT PIPING ABOVE HUNG CEILINGS IS RUN TO MAINTAIN MAXIMUM HEADROOM AND CLEARANCE FOR ACCESS TO THE EQUIPMENT AND TO AVOID CONFLICT WITH THE ELECTRICAL CONDUITS, LIGHTING FIXTURES, OTHER PIPING, DUCTWORK AND EQUIPMENT OF OTHER TRADES.
  - B. THE PIPING SHALL BE SO ARRANGED THAT THE ENTIRE SYSTEM CAN BE FLUSHED AND DRAINED THROUGH ACCESSIBLE LOW POINTS. PROVIDE AUXILIARY DRAINS FOR WATER TRAPPED IN SECTIONS OF PIPE. DRAIN PIPE SHALL BE GALVANIZED.
  - C. RUN PIPING CONCEALED THROUGHOUT FINISHED SPACES, EITHER IN FURRED SPACES, SHAFTS, OR ABOVE FALSE CEILINGS; SUPPORT PIPING PER REQUIREMENTS OF NFPA #13.
  - D. VICTAULIC FITTINGS AND COUPLINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
  - E. THE ENDS OF PIPES SHALL BE REAMED FREE FROM BURRS AND KEPT FREE OF SCALE, DIRT AND OIL.
  - F. THREADED JOINTS SHALL BE MADE WITH TEFLON LIQUID JOINT COMPOUND APPLIED TO MALE THREADS ONLY.
- VIII. **INSTALLATION:**
  - A. SPRINKLER HEADS OF THE PROPER CONFIGURATION AND NUMBERS ARE TO BE INSTALLED AS REQUIRED IN ACCORDANCE WITH REGULATIONS PERTAINING TO LIGHT AND ORDINARY HAZARD AND THE FULL REQUIREMENTS OF THE NFPA, LOCAL FIRE DEPARTMENT, STATE FIRE MARSHAL, FIRE INSURANCE COMPANY, RATING BUREAU AND OTHER AGENCIES HAVING JURISDICTION.
  - B. SPRINKLERS WHICH ARE SO LOCATED AS TO BE SUBJECT TO MECHANICAL INJURY (IN EITHER UPRIGHT OR THE PENDANT POSITION) SHALL BE PROTECTED WITH APPROVED GUARDS.
  - C. INSTALL HEADS WITH TEFLON LIQUID JOINT COMPOUND APPLIED TO MALE THREADS ONLY.
  - D. SPRINKLER HEADS SHALL BE LOCATED IN CENTER OF CEILING TILES EXCEPT WHERE INDICATED OTHERWISE.
- IX. **TESTING:**
  - A. TEST ENTIRE SYSTEM AT 200 PSI FOR TWO (2) HOURS AFTER COMPLETION, IN ACCORDANCE WITH NFPA #13.
  - B. FURNISH TO THE RATING BUREAU, THE CERTIFICATE COVERING MATERIALS AND TESTS AS OUTLINED IN NFPA #13.
  - C. DURING AND AFTER COMPLETION, THE ENTIRE INSTALLATION SHALL BE SUBJECT TO INSPECTION AND TEST BY THE RATING BUREAU.



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				CHECKED BY: KAH		SCALE: 1/8"=1'-0"		FILENAME:		DRAWING TITLE:		DRAWING NO.	
										FIRE PROTECTION 2ND FLOOR PLAN		SHEET NO.	FP1.0