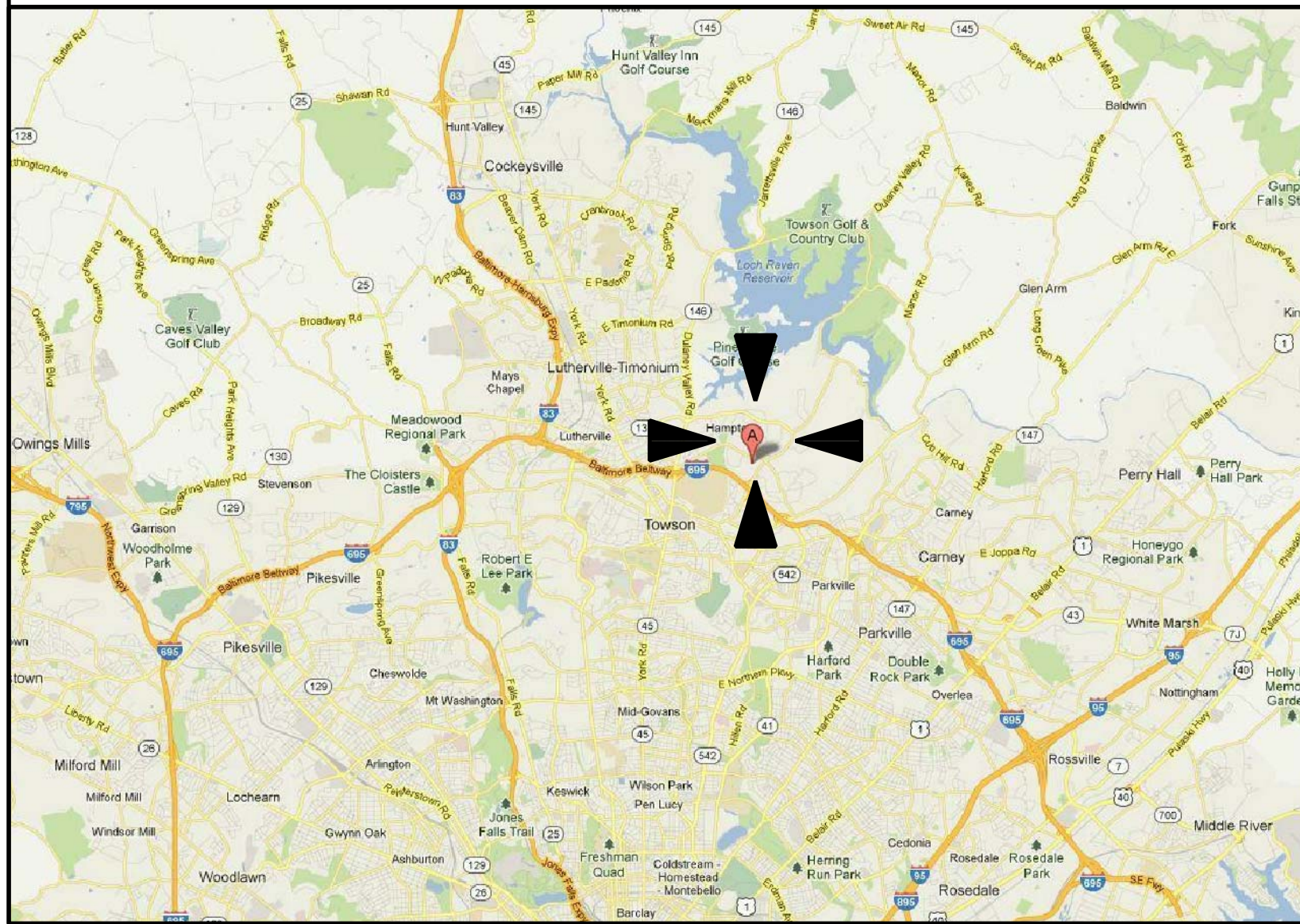
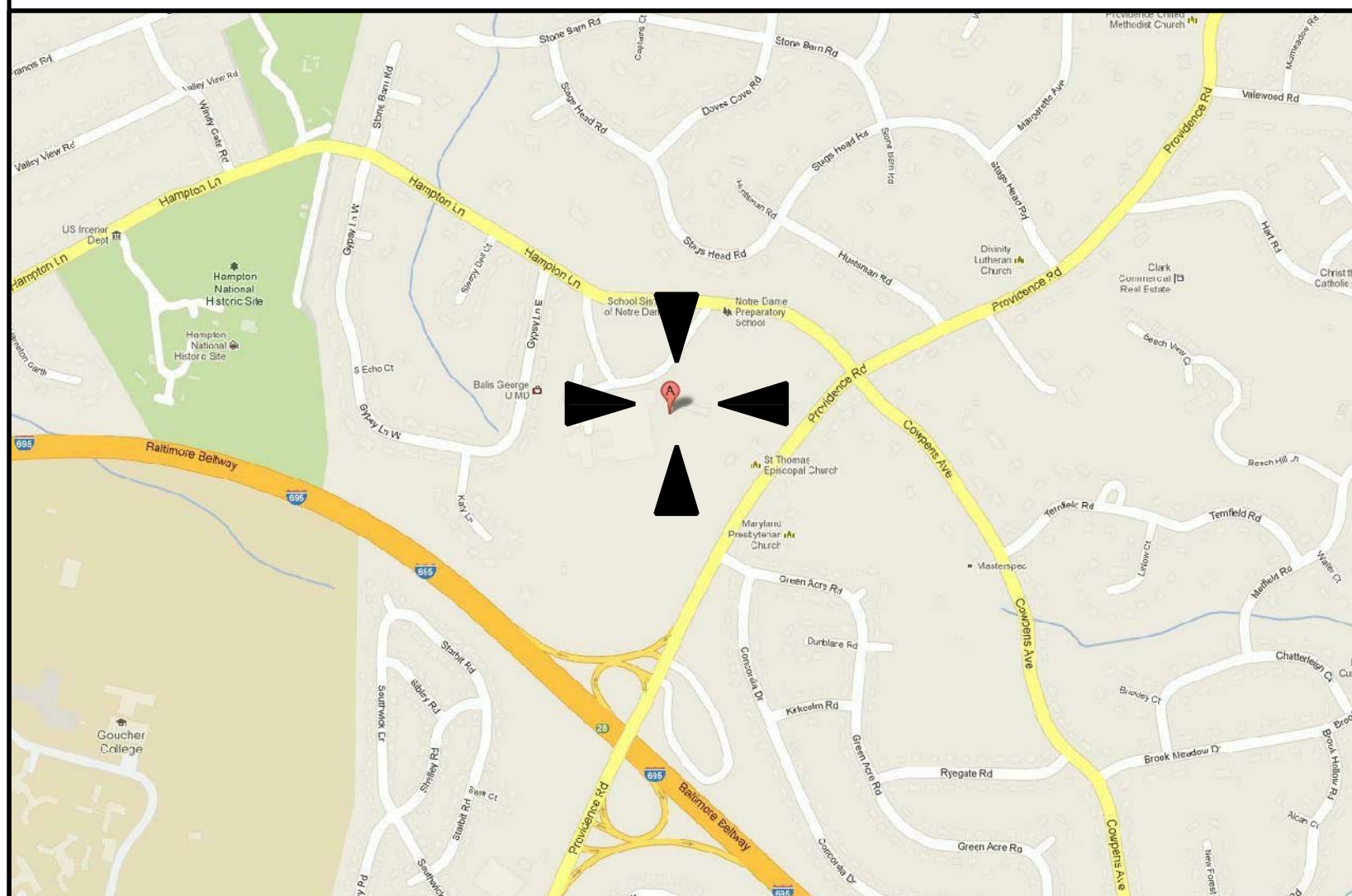


AREA MAP



LOCATION MAP



Notre Dame Preparatory School

815 Hampton Lane,
Towson, MD 21286

Convent - Office Renovations PERMIT & CONSTRUCTION 08-06-2013

Owner / Developer
Notre Dame Preparatory School
815 Hampton Lane,
Towson, MD 21286
Office: 410-825-6202

Architect
Gaudreau, Inc.
810 Light Street
Baltimore, MD 21230
PHONE (410) 837-5040 FAX (410) 837-8093

Construction Manager
Constantine Commercial Construction, Inc.
9494 Deereco Rd
Lutherville, MD 21093
Office: 410- 453-0150

Mechanical / Electric / Plumbing
JennErik Engineering, Inc.
4322 Cross Brook Drive
Perry Hall, MD 21128-9854
Office: 410-404-4713

CODE ANALYSIS

PROJECT DESCRIPTION

THE BUILDING HAS THREE FULL FLOORS ABOVE GRADE WITH A BASEMENT. THE EXTERIOR WALLS OF THE BUILDING ARE CAVITY WALL CONSTRUCTION (BRICK & CMU). ALL FLOORS AND THE ROOF STRUCTURE ARE CONSTRUCTION OF CONCRETE PLANKS WITH CONCRETE TOPPING SUPPORTED BY CMU BEARING WALLS AND A FEW CONCRETE COLUMNS. NEW SPRINKLERS ARE BEING ADDED PER PREVIOUS PERMIT APPLICATION. HAZMAT ABATEMENT HAS OCCURRED PER PREVIOUS PERMIT APPLICATION.

APPLICABLE CODES

- INTERNATIONAL EXISTING BUILDING CODE (IEBC) / 2012
- INTERNATIONAL MECHANICAL CODE / 2011
- NATIONAL ELECTRIC CODE / 2011
- NATIONAL STANDARD PLUMBING CODE / 2009
- INTERNATIONAL ENERGY CODE / 2012
- NFPA 1 - FIRE PREVENTION CODE / 2009
- NFPA 13 - INSTALLATION OF SPRINKLER SYSTEMS
- NFPA 12-99 NATIONAL FIRE ALARM CODE
- NFPA 101 - LIFE SAFETY CODE / 2009
- COMAR 05.02.02 ADA/ADAAG MARYLAND ACCESSIBILITY CODE

3.1 BUILDING USE & TYPE OF CONSTRUCTION

OCCUPANCY TYPE: NON SEPARATED MIXED USE OCCUPANCIES

IEBC 302: RESIDENTIAL (R), ASSEMBLY (A), STORAGE (S), BUSINESS (B)
NFPA 101 6.1.0: RESIDENTIAL, 6.1.2: ASSEMBLY & 6.1.11: BUSINESS
NFPA 13 & 13-R.

SPACE	OCCUPANCY
3RD FLOOR	CONVENT/ASSEMBLY
2ND FLOOR	CONVENT/ASSEMBLY
1ST FLOOR	OFFICE
BASEMENT	STORAGE/ MECH

(ACCESSORY USE)

IEBC 302: RESIDENTIAL (R), ASSEMBLY (A), STORAGE (S), BUSINESS (B)

303.1.2 SMALL ASSEMBLY SPACES:
THE FOLLOWING ROOMS AND SPACES SHALL NOT BE CLASSIFIED AS ASSEMBLY OCCUPANCIES:
2. A ROOM OR SPACE USED FOR ASSEMBLY PURPOSES THAT IS LESS THAN 750 SF IN AREA AND ACCESSORY TO ANOTHER OCCUPANCY SHALL BE CLASSIFIED AS A GROUP B OCCUPANCY OR AS PART OF THAT OCCUPANCY.

TYPE OF CONSTRUCTION:

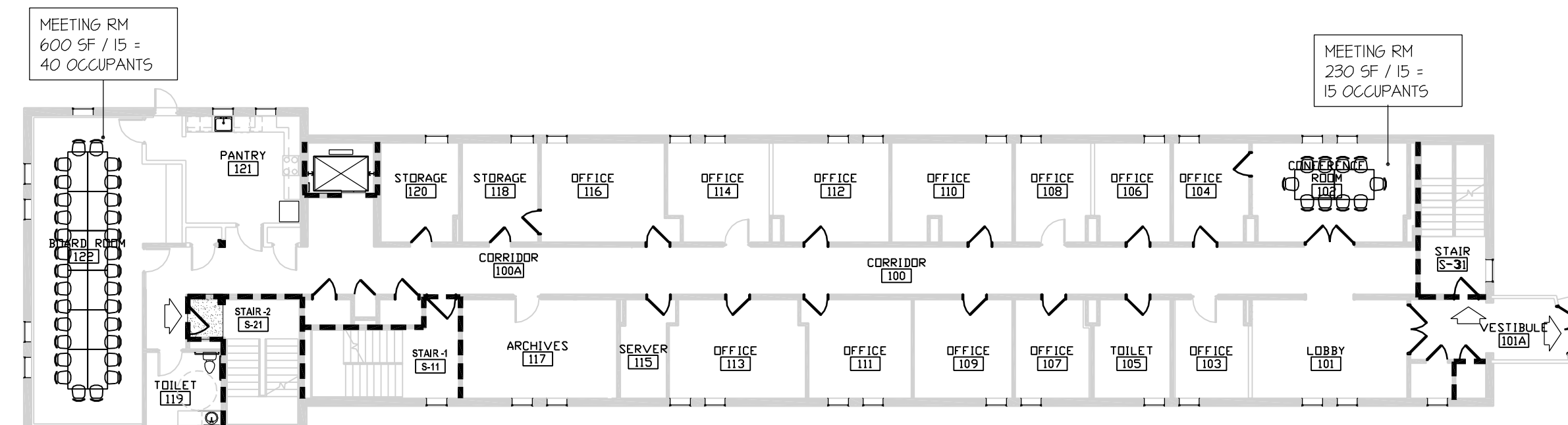
IEBC TABLE 601 - TYPE IIB, NONCOMBUSTIBLE MATERIALS

3.4 OCCUPANCY CALCULATIONS :

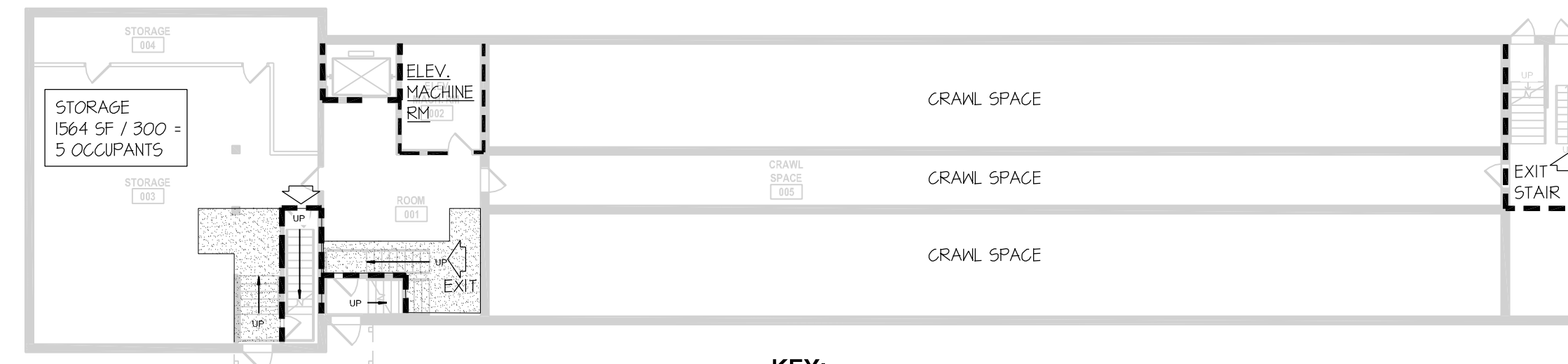
PER IEBC 2012 (TABLE 1004.1.2):

FLOOR	OCCUPANCY	SF/OCCUPANT	TOTAL
1st FLOOR:			
OFFICES: 5805 SF	BUSINESS	100 GROSS	58
BOARD ROOM: 600 SF	BUSINESS	100 GROSS	40
CONF ROOM: 230 SF	BUSINESS	100 GROSS	15
TOTAL			113

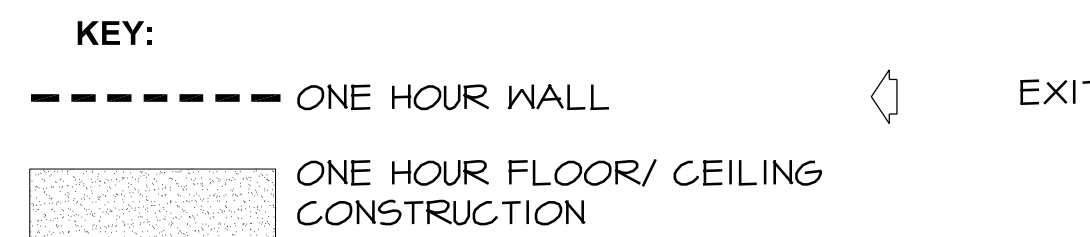
FIRE PROTECTION PLANS



FIRST FLOOR



BASEMENT



5.1 ALLOWABLE HEIGHT & AREA

	ACTUAL AREA (SF)	ALLOWABLE AREA (SF) PER IEBC 506
CONVENT	6635 SF	16,000 SF

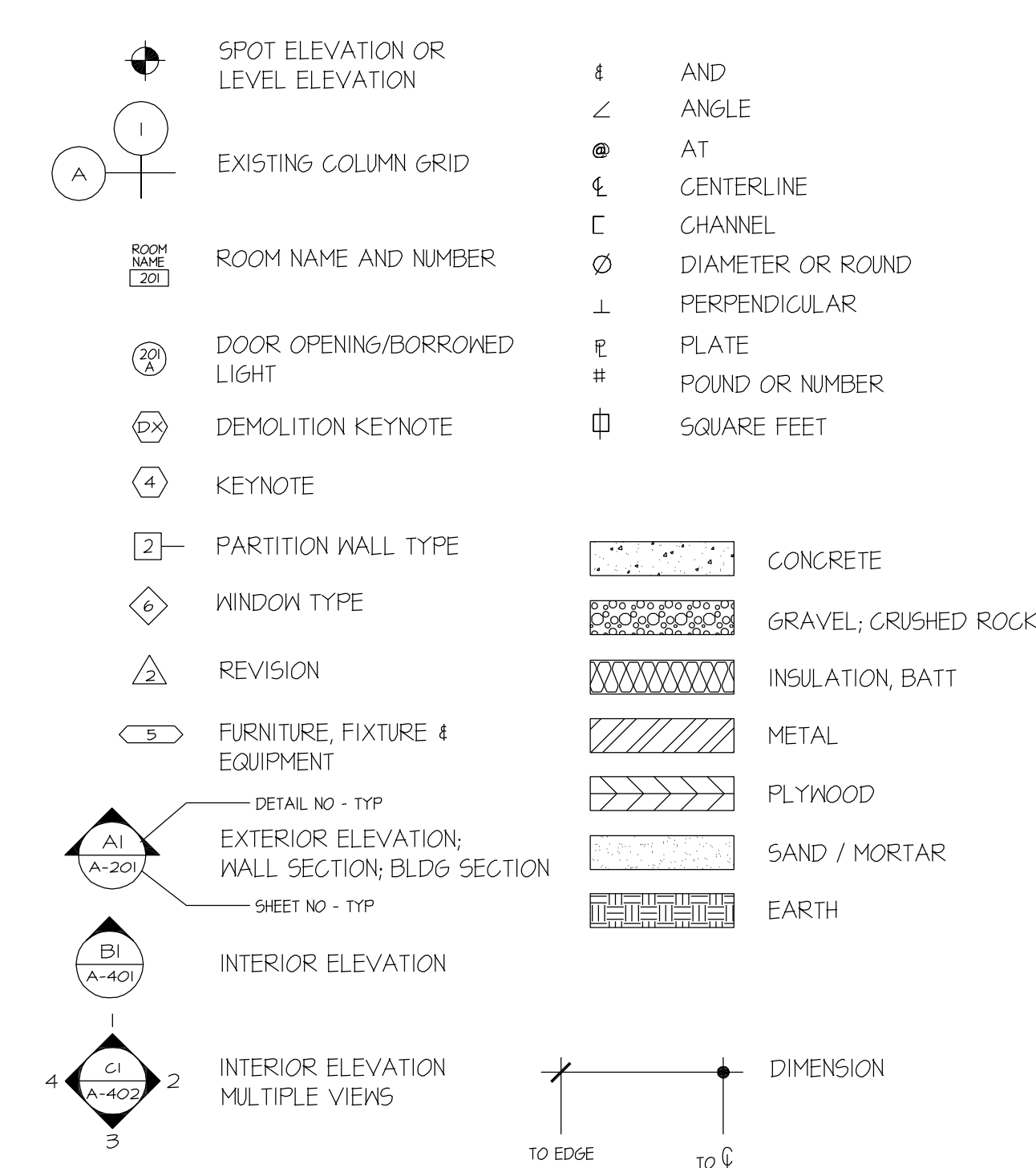
PER IEBC TABLE 503 FOR TYPE IIB CONSTRUCTION USE GROUP R-2:

- ALLOWABLE TABULATED AREA AND HEIGHT: 16,000 SQ.FT. AND 4 STORIES
- AUTOMATIC SPRINKLER SYSTEM INCREASE (IEBC SECTION 506.3): 200 %
- FRONTAGE INCREASE (IEBC SECTION 506.2)
- ACTUAL FIRST FLOOR AREA: 6635 SQ.FT.

CALCULATION
AUTOMATIC SPRINKLER SYSTEM INCREASE: 200% X 16,000 = 32,000 SF
FRONTAGE INCREASE: 0 SF
AREA ALLOWED/FLOOR: 16,000 SF + 32,000 SF = 48,000 SF
TOTAL AREA ALLOWED: 48,000 SF X 3 STORIES = 144,000 SF

ALLOWABLE HEIGHT: 5 STORIES
ACTUAL HEIGHT: 3 STORIES PLUS BASEMENT

ARCHITECTURAL SYMBOLS & MATERIALS



DRAWING LIST

SHEET #	SHEET NAME	08/06/13 PERMIT	08/06/13 CD
ARCHITECTURALS			
G-001	COVER SHEET, CODE ANALYSIS	•	•
A-101	FIRST FLOOR PLANS	•	•
PLUMBING			
P-001	GENERAL NOTES, ABBREVIATIONS, LEGEND & SCHEDULES		•
P-101	FIRST FLOOR PLAN - PLUMBING NEW WORK		•
MECHANICAL			
M-001	GENERAL NOTES, ABBREVIATIONS, LEGEND & SCHEDULES	•	•
M-101	FIRST FLOOR PLAN - HVAC NEW WORK	•	•
ELECTRICAL			
E-001	LEGEND, ABBREVIATIONS, NOTES & SCHEDULE		•
DE-101	FIRST FLOOR PLAN - ELECTRICAL DEMOLITION		•
E-101	FIRST FLOOR PLAN - ELECTRICAL NEW WORK		•

REVISIONS		
NO	DATE	DESCRIPTION

PROJECT NO: 13007-00
DATE: 08-06-13

G-001

GENERAL NOTES

- DEMOLITION PLANS ARE INTENDED TO INDICATE GENERAL AREAS OF DEMOLITION. PROVIDE ADDITIONAL DEMOLITION AS REQUIRED TO FULFILL NEW CONSTRUCTION.
- VERIFY DIMENSIONS AND EXISTING CONDITIONS AT PROJECT SITE PRIOR TO STARTING WORK.
- VERIFY DIMENSION AND LOCATIONS OF NEW OPENINGS TO BE CUT WITH NEW WORK PLANS AND DOORS SCHEDULES.
- SALVAGE & TURN OVER TO OWNER ALL DOOR HARDWARE, EXTRA CEILING TILE, FLOORING ETC.
- ALL HAZMAT MATERIAL WILL BE REMOVED BY OTHERS OUTSIDE THIS CONTRACT. CONTRACTOR TO NOTIFY OWNER IF ANY HAZMAT MATERIALS ARE FOUND.
- PROVIDE PRESSURE TREATED BLOCKING FOR ALL WALL MOUNTED SHELVES, CABINETS ETC.
- WHERE REMOVAL OF ITEMS LEAVE HOLES AND DAMAGED SURFACES THAT WILL BE EXPOSED IN FINISH WORK, PATCH AND REPAIR TO MATCH ADJACENT SURFACES.

DEMOLITION KEYNOTES

- DEMOLISH EXISTING WALL AND CREATE NEW OPENING FOR DOOR.
- REMOVE EXISTING DOOR, FRAME & HARDWARE. INCREASE DOOR OPENING TO RECEIVE NEW DOOR.
- REMOVE EXISTING DOOR, FRAME & HARDWARE.
- REMOVE EXISTING DOOR.
- REMOVE EXISTING PARTITION.
- REMOVE EXISTING INTERIOR PARTITIONS, PLUMBING FIXTURES, PIPING & FINISHES. REMOVE EXISTING CERAMIC TILE FLOOR TO PREPARE FOR NEW FLOOR FINISH. MATCH EXISTING FLOOR ELEVATION.
- REMOVE EXISTING FLOORING, PLUMBING FIXTURES & FINISHES. REUSE EXISTING PIPING FOR NEW FIXTURES.
- REMOVE EXISTING FINISHES, APPLIANCES & CASEWORK (IF ANY). PATCH EXISTING PARTITIONS, REMOVE EXISTING FLOORING / BASE.
- REMOVE WALL PANELING, FLOORING & BASE. PREPARE SURFACES TO RECEIVE NEW FINISHES.
- REUSE EXIST LINTEL IF POSSIBLE OR PROVIDE NEW LINTEL AS REQUIRED.

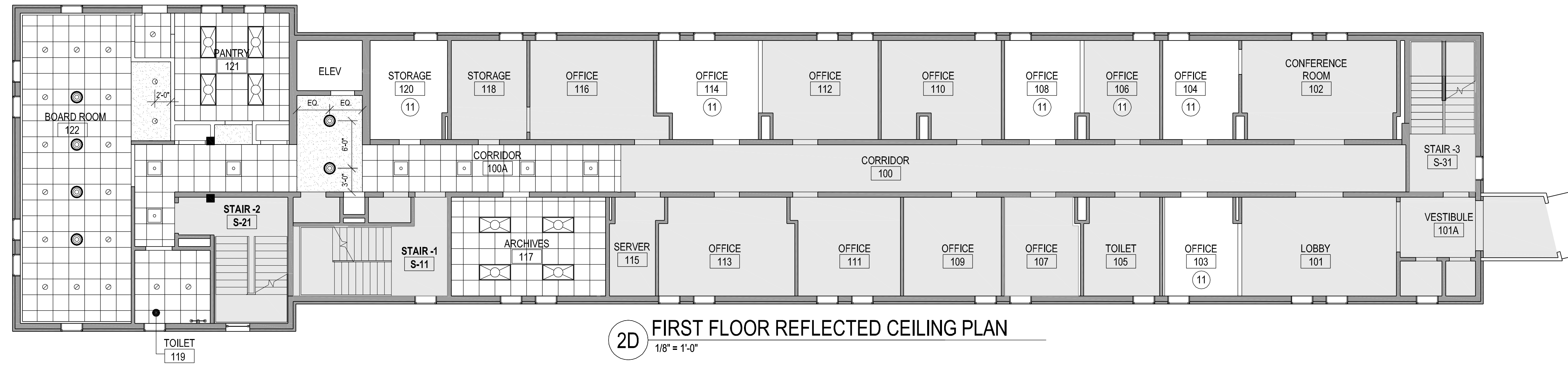
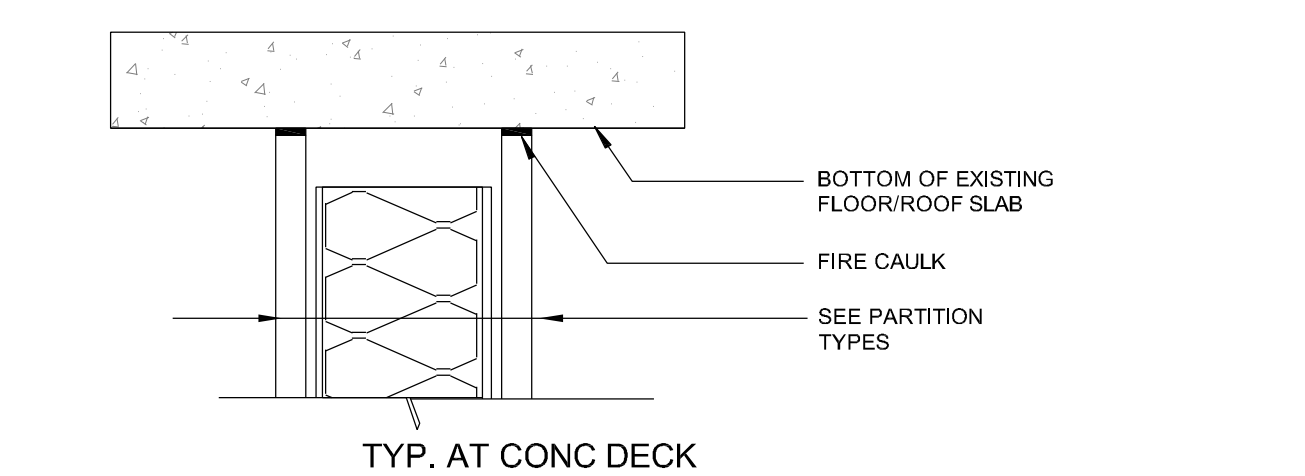
PLAN KEYNOTES

- INSTALL NEW EXTERIOR STEEL DOOR & FRAME.
- ADD NEW GWB PARTITION. REFER TO PARTITION SCHEDULE. ADD NEW BASE TO MATCH EXISTING. PAINT TO MATCH ADJACENT / EXISTING WALLS.
- FUR OUT EXISTING PARTITION W/ 2-1/2" METAL STUDS, 3" BATT INSULATION & 5/8" GYP BD TO DECK. PAINT PARTITION & PROVIDE NEW BASE TO MATCH EXISTING.
- INSTALL NEW DOOR & FRAME. REFER TO DOOR SCHEDULE. DETAIL TO MATCH EXISTING DOOR.
- LAMINATE DRYWALL ON EXISTING CMU. INSTALL NEW FLOORING, BASE, TOILET FIXTURES. SOLID SURFACE COUNTER TOP W/ BASE CABINET, MIRROR & LIGHTING.
- FUR OUT EXISTING WALLS. INSTALL NEW CEILING, LIGHTING, CARPET & BASE. REUSE EXISTING ECLECTIC SWITCHES WHERE POSSIBLE.
- PROVIDE SOLID SURFACE KITCHEN COUNTERTOP & BACK SPLASH, WITH KITCHEN CABINETS (BELOW & ABOVE).
- PATCH EXISTING FLOORING OR INSTALL NEW FLOORING AS REQUIRED TO MATCH EXISTING.
- LAMINATE DRYWALL ON ALL WALLS. INSTALL NEW FLOORING & BASE. REWORK EXISTING OR INSTALL NEW CEILING AS REQUIRED.
- NEW SOLID SURFACE COUNTERTOP & BACK SPLASH WITH PLAM CABINETS BELOW. PROVIDE RECEPTACLES AT COUNTERTOP HEIGHT FOR COFFEE MAKER ETC.
- REWORK LIGHTING / CEILING AS REQUIRED.
- CLOSET SHALL RECEIVE COAT ROD & SHELF.

PARTITION SCHEDULE

	FIRE RATING - UL#	STC RATING	HEIGHT
1 	N/A	N/A	TO UNDERSIDE OF DECK/STRUCTURE ABOVE.
2 	N/A	N/A	TO UNDERSIDE OF DECK/STRUCTURE ABOVE.
2A 	N/A	N/A	TO UNDERSIDE OF DECK/STRUCTURE ABOVE.
3A 	1HR - U906	N/A	TO UNDERSIDE OF DECK/STRUCTURE ABOVE.

PARTITION HEAD DETAILS



2D FIRST FLOOR REFLECTED CEILING PLAN
1/8" = 1'-0"

RCP LEGEND

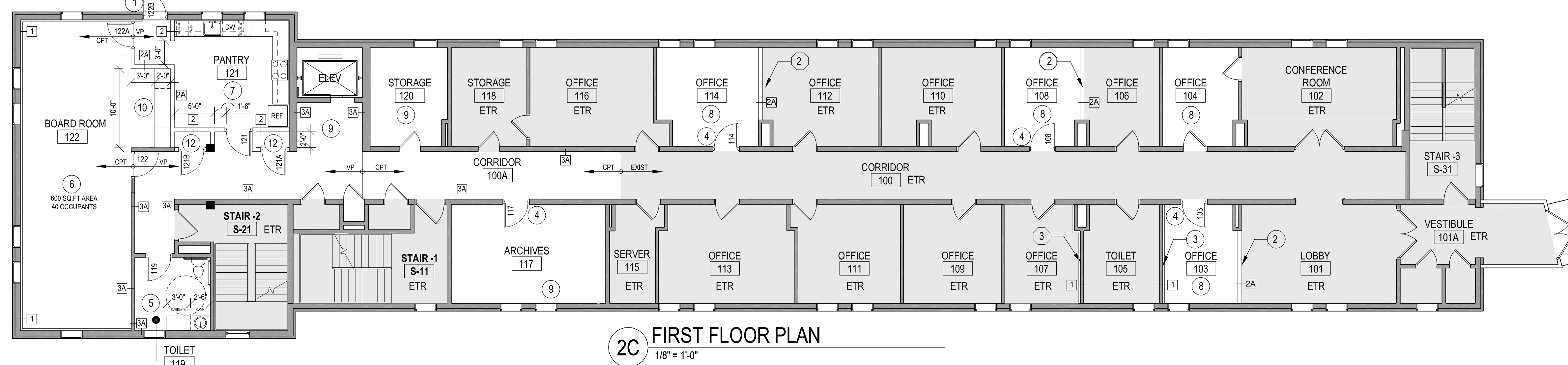
- 2' X 2' APC (NEW) MATCH EXISTING
- PTD GWB (NEW)
- RECESSED LIGHT 2'X4'
- RECESSED DOWNLIGHT
- WALL WASHER
- VANITY LIGHT-WALL MOUNTED
- RECESSED LIGHT 2'X2' TO MATCH EXISTING
- CEILING MTD LIGHT B (16" DIA @ ELEV LOBBY, 24" DIA @ BOARD ROOM)
- PROJECTION SCREEN

PLAN LEGEND

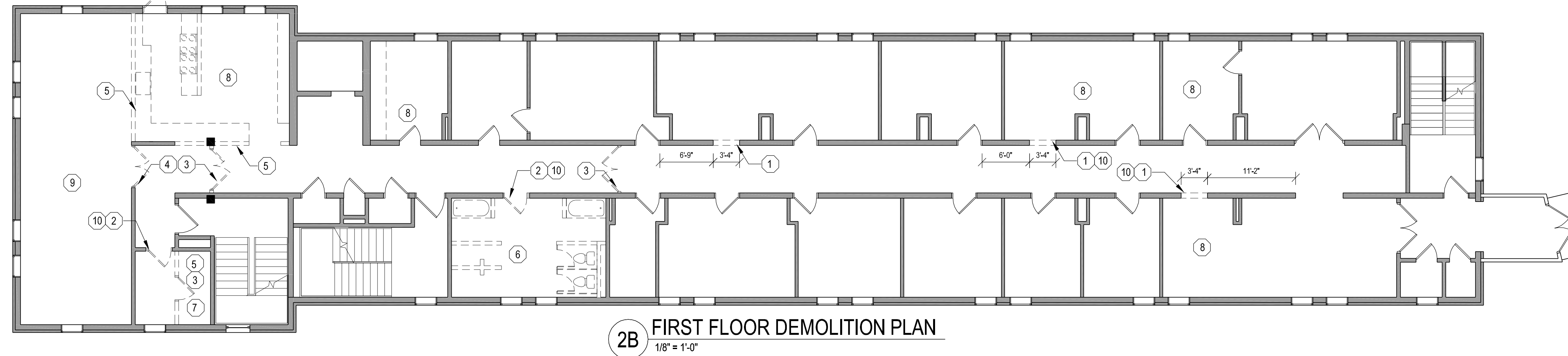
- EXISTING DOOR TO REMAIN
- NEW DOOR
- EXISTING WALL TO REMAIN
- NEW WALL
- ETR - EXISTING (FINISHES) TO REMAIN

DEMO LEGEND

- REMOVE DOOR
- NEW WALL



2C FIRST FLOOR PLAN
1/8" = 1'-0"



2B FIRST FLOOR DEMOLITION PLAN
1/8" = 1'-0"

DOOR AND FRAME SCHEDULE

MARK	DOOR			FRAME						FIRE RATING	HARDWARE SET #	REMARKS	
	WIDTH	SIZE HEIGHT	THK	MATL	TYPE	MATL	TYPE	HEAD	JAMB				SILL
FIRST FLOOR													
103	3'-0"	7'-2"	1-3/4"	SC	C	STL	1	H7	J7	-	-	HW-E	MATCH EXISTING DOORS
108	3'-0"	7'-2"	1-3/4"	SC	C	STL	1	H7	J7	-	-	HW-E	MATCH EXISTING DOORS
114	3'-0"	7'-2"	1-3/4"	SC	C	STL	1	H7	J7	-	-	HW-E	MATCH EXISTING DOORS
117	3'-0"	7'-2"	1-3/4"	SC	C	STL	1	H7	J7	-	-	HW-E	MATCH EXISTING DOORS
119	3'-0"	7'-2"	1-3/4"	SC	C	STL	1	H1	J1	-	-	HW-C	INCREASE EXISTING DOOR OPENING (ADA)
121	3'-0"	7'-2"	1-3/4"	SC	C	STL	1	H1	J1	-	-	HW-D	
121A	3'-0"	7'-2"	1-3/4"	SC	C	STL	1	-	-	-	-	HW-A	CLOSET DOOR
121B	3'-0"	7'-2"	1-3/4"	SC	C	STL	1	-	-	-	-	HW-A	CLOSET DOOR
122	3'-0"	7'-2"	1-3/4"	SC	G	STL	4	H5	J5 & J6	S1	-	HW-B	WOOD TRIM @ DOOR 122 ONLY
122A	3'-0"	7'-2"	1-3/4"	SC	C	STL	1	H1	J1	-	-	HW-D	
122B	3'-0"	7'-2"	1-3/4"	STL	G	EXIST	EXIST	-	-	-	-	HW-D	REUSE EXISTING FRAME, SAND & REFINISH.

FINISH SCHEDULE

ROOM #	ROOM NAME	FLOOR	FINISHES				CLG MATL	CLG HT	REMARKS
			BASE	WALL	WET WALL	CLG			
FIRST FLOOR									
100A	CORRIDOR	CPT - VP-1	*WOOD	PT	-	FACTORY	APC	MATCH EXISTING CEILING, CARPET, BASE & PAINT COLORS	
103	OFFICE	CPT-A	*WOOD	PT	-	FACTORY	APC	MATCH EXISTING CEILING, CARPET, BASE & PAINT COLORS	
104	OFFICE	CPT-A	*WOOD	PT	-	EXIST	APC	MATCH EXISTING CEILING, CARPET, BASE & PAINT COLORS	
106	OFFICE	CPT-A	*WOOD	PT	-	FACTORY	APC	MATCH EXISTING CEILING, CARPET, BASE & PAINT COLORS	
108	OFFICE	CPT-A	*WOOD	PT	-	FACTORY	APC	MATCH EXISTING CEILING, CARPET, BASE & PAINT COLORS	
114	OFFICE	CPT-A	*WOOD	PT	-	FACTORY	APC	MATCH EXISTING CEILING, CARPET, BASE & PAINT COLORS	
117	ARCHIVES	CPT-A	VB	PT	-	FACTORY	APC		
119	TOILET	VP-1	VB	PT	-	FACTORY	APC		
120	STORAGE	VCT	VB	PT	-	FACTORY	APC		
121	KITCHEN	VP-1	VB	PT	-	FACTORY	APC		
122	BOARD ROOM	CPT-B	*WOOD	PT	-	FACTORY	APC		

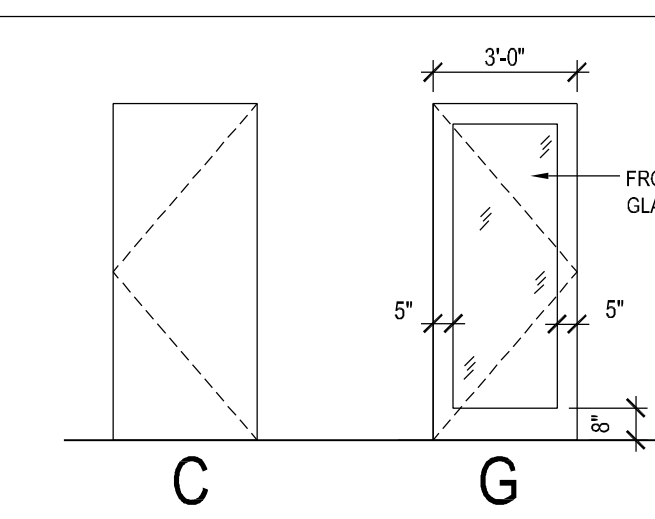
* MATCH EXISTING WOOD BASE
CPT - CARPET VP-1 - VINYL PLANK VB - VINYL BASE APC - ACOUSTICAL PANEL CEILING VCT - VINYL COMPOSITION TILE

HARDWARE SCHEDULE

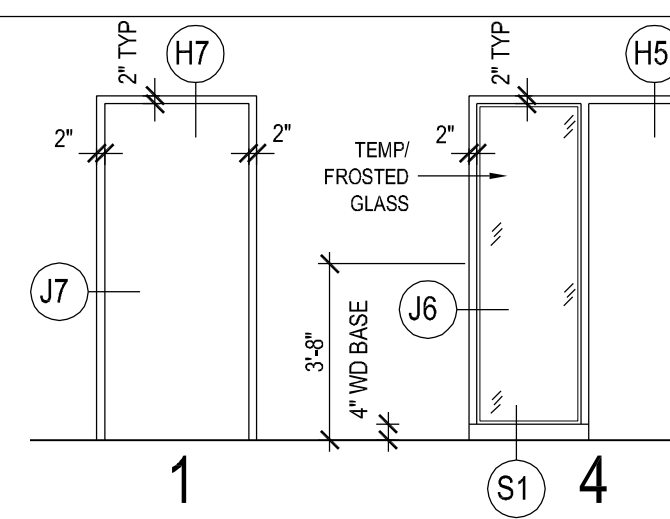
HW-A	CLOSET DOORS (SWINGING)
1	DUMMY LEVERS
3	HINGES
1 SET	SILENCERS
HW-B	BOARD ROOM
1	CLASSROOM LOCKSET / DOOR LEVERS
3	HINGES
1 SET	SILENCERS
1	HOLD-OPENS / CLOSER
HW-C	TOILET
1	PRIVACY LOCKSET W/ LEVER HANDLES
3	SPRING HINGES
1 SET	SILENCERS
HW-D	MISC. PRIVATE ROOM / KITCHEN
1	OFFICE LOCKSET W/ LEVER HANDLES
3	HINGES
1 SET	SILENCERS
HW-E	OFFICE DOOR
1	OFFICE LOCKSET W/ LEVER HANDLES
3	HINGES
1 SET	SILENCERS

NOTE: REPLACE ANY EXISTING DOOR KNOBS WITH ADA ACCESSIBLE LEVERS.

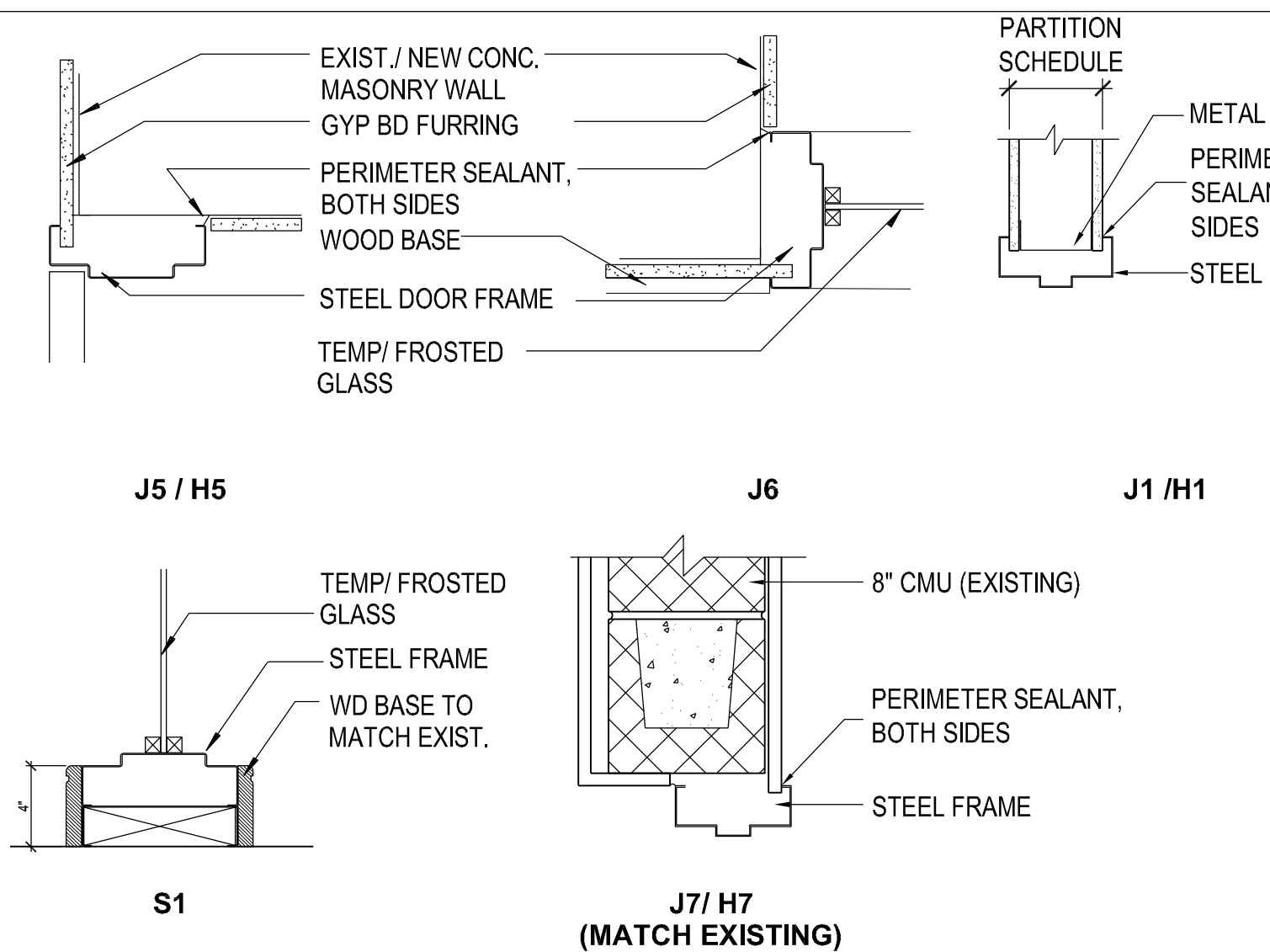
DOOR PANEL TYPES



DOOR FRAME TYPES



DOOR DETAILS



810 Light Street Baltimore, Md 21230

Professional Certification: I certify that these documents were prepared or approved by me, and that I am a duly licensed architect under the laws of the State of Maryland.

License No.9473 Expiration Date:4/7/2015

NO	DATE	DESCRIPTION
REVISIONS		

NOTRE DAME PREP CONVENT RENOVATION

FIRST FLOOR PLANS

PROJ. NO: 13007-00	DWG NO
DRAWN BY: AR	A-101
DATE: 08-05-13	

GENERAL PROJECT NOTES

- LOWEST BRANCHES OF ALL SANITARY RISERS SHALL CONNECT SEPARATELY TO MAIN UNLESS OTHERWISE NOTED.
- ALL SANITARY PIPING BELOW SLAB SHALL BE MINIMUM 2".
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL PLUMBING FIXTURES. DO NOT DIMENSION LOCATIONS FROM THESE DRAWINGS.
- COORDINATE ALL RISER LOCATIONS WITH STRUCTURAL BUILDING COMPONENTS.
- SANITARY PIPING SHALL RUN AT A 2% SLOPE MINIMUM UNLESS NOTED OTHERWISE. COORDINATE INSTALLATION OF PIPING WITH EXISTING SHELL CONDITIONS IN THE CEILING SPACE BELOW.
- CONDENSATE DRAIN PIPING SHALL RUN AT A 2% SLOPE MINIMUM UNLESS NOTED OTHERWISE.
- LOCATIONS OF DRAINS AND CONNECTIONS TO FIXTURES AND EQUIPMENT SHALL BE COORDINATED WITH THE FIXTURE PLAN, EQUIPMENT CUTS AND MECHANICAL/ELECTRICAL PLANS. NO WORK SHALL BE INSTALLED UNTIL THE LOCATIONS HAVE BEEN VERIFIED.
- PLUMBING FIXTURES SHALL BE CAULKED TO THE ADJOINING FLOOR OR WALL SURFACE WITH CAULK COLOR AS SELECTED BY THE ARCHITECT.
- COORDINATE GAS PRESSURE AND SERVICE W/ GAS COMPANY.
- WALL CLEANOUTS SHALL BE PROVIDED AT THE BASE OF EACH SANITARY RISER.
- COORDINATE MOTORS AND OTHER ELECTRICAL EQUIPMENT FURNISHED UNDER DIV. 15 WITH DIV. 16. PROVIDE EQUIPMENT COORDINATION TABLE AS A SHOP DRAWING FOR REVIEW. TABLE SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING INFORMATION:
A) EQUIPMENT POWER REQUIREMENTS INCLUDING AMPS & VOLTAGES.
B) DISCONNECTING MEANS AND OVER CURRENT PROTECTION REQUIREMENTS.
C) CONTROL REQUIREMENTS.
- UNLESS OTHERWISE INDICATED, PIPING SHALL BE SUPPORTED FROM THE STRUCTURE ABOVE. INTERMEDIATE STRUCTURAL SUPPORTS SHALL BE PROVIDED IN AN APPROVED MANNER AS REQUIRED TO MEET MINIMUM SUPPORT SPACING REQUIRED BY THE SPECIFICATIONS.
- COORDINATE THE INSTALLATION OF LIGHTING FIXTURES WITH PIPING, DUCTWORK, AIR DEVICES, SPRINKLERS AND EQUIPMENT BEING INSTALLED IN THE FACILITY SUCH THAT PIPING, DUCTWORK, AIR DEVICES, AND EQUIPMENT DO NOT BLOCK OR IMPEDE LIGHTING.
- PROVIDE HANGERS, ANCHORS, ETC... ON PIPING PER SUPPORT MANUFACTURER'S RECOMMENDATIONS.
- INSTALL PIPING SO THAT VALVING IS ACCESSIBLE. PROVIDE ACCESS PANELS PER SPECIFICATIONS.
- ROUTE DOMESTIC WATER PIPING, SPRINKLER PIPING, HVAC PIPING, GAS PIPING, ETC... IN PIPE CHASES AND FURRED OUT WALLS AND ABOVE CEILINGS. NO PIPING SHALL BE EXPOSED UNLESS APPROVED BY THE ARCHITECT OR OWNER.
- REFER TO ARCHITECTURAL DRAWINGS FOR ROOF, WALL AND CEILING CONSTRUCTION TYPES AND DETAILS. REFER TO STRUCTURAL DRAWINGS FOR STEEL SIZES AND LOCATIONS.
- INSTALL EQUIPMENT, IE: AHU'S, HEATING COILS, WATER HEATERS, PUMPS, WATER SOURCE HEAT PUMPS, FAN COIL UNITS, BOILERS, CHILLER, ETC... IN SUCH A MANNER AS TO PROVIDE ADEQUATE SPACE FOR MAINTENANCE EQUIPMENT ACCESS.
- THE SPRINKLER SYSTEM SHALL BE DESIGNED & COORDINATED WITH DUCTWORK, PIPING, LIGHTING, EQUIPMENT AND ARCHITECTURAL REFLECTED CEILING PLANS. NO CHANGE ORDERS SHALL BE ACCEPTED.
- PROVIDE PIPE SLEEVES AT WALL, FLOOR AND ROOF PENETRATIONS, ALL EXTERIOR ROOF & WALL PIPING PENETRATIONS SHALL BE WEATHER TIGHT, REFER TO DETAILS OF EXTERIOR & INTERIOR WALL PENETRATIONS FOR MORE INFORMATION.
- FIRE STOP ALL PIPING AND DUCT PENETRATIONS THRU FIRE WALLS AND FLOORS, IN ADDITION PROVIDE FIRE DAMPERS WHERE REQUIRED BY CODE IN ALL DUCTS THAT PASS THROUGH FIRE WALLS-REFER TO ARCHITECTURAL DWG.'S FOR FIRE WALL LOCATIONS.

PLUMBING ABBREVIATIONS

ABBREVIATION	DESCRIPTION
AF	ABOVE FINISHED FLOOR
BTU	BRITISH THERMAL UNIT
CAP	CAPACITY
CLG.	COOLING
DB	DRY BULB
DEG	DEGREE
DESIG	DESIGNATION
DFU	DRAINAGE FIXTURE UNIT
DWG.	DRAWING
EAT	ENTERING AIR TEMPERATURE
EWT	ENTERING WATER TEMPERATURE
F	FAHRENHEIT
FT	FEET
GAL	GALLONS
GPM	GALLONS PER MINUTE
FT. OF HD.	FEET OF HEAD
HP	HORSEPOWER
HR	HOUR
HTG	HEATING
I.D.	INSIDE DIAMETER
IN. W.C.	INCHES OF WATER COLUMN
KW	KILOWATTS
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	THOUSAND BTU/HR
MCA	MINIMUM CIRCUIT AMPS
MIN	MINIMUM
MOCP	MAXIMUM OVER CURRENT PROTECTION
NO.	NUMBER
NFCW	NON POTABLE COLD WATER
PD	PRESSURE DROP
RPM	REVOLUTIONS PER MINUTE
ST	STORAGE TANK
SQFT	SQUARE FOOT
TD	TRENCH DRAIN
TYP	TYPICAL
V-PH	VOLTS-PHASE
V-PH-HZ	VOLTS-PHASE-HERTZ
WB	WET BULB
WH	WATER HEATER
WPD	WATER PRESSURE DROP
WSFU	WATER SUPPLY FIXTURE UNIT

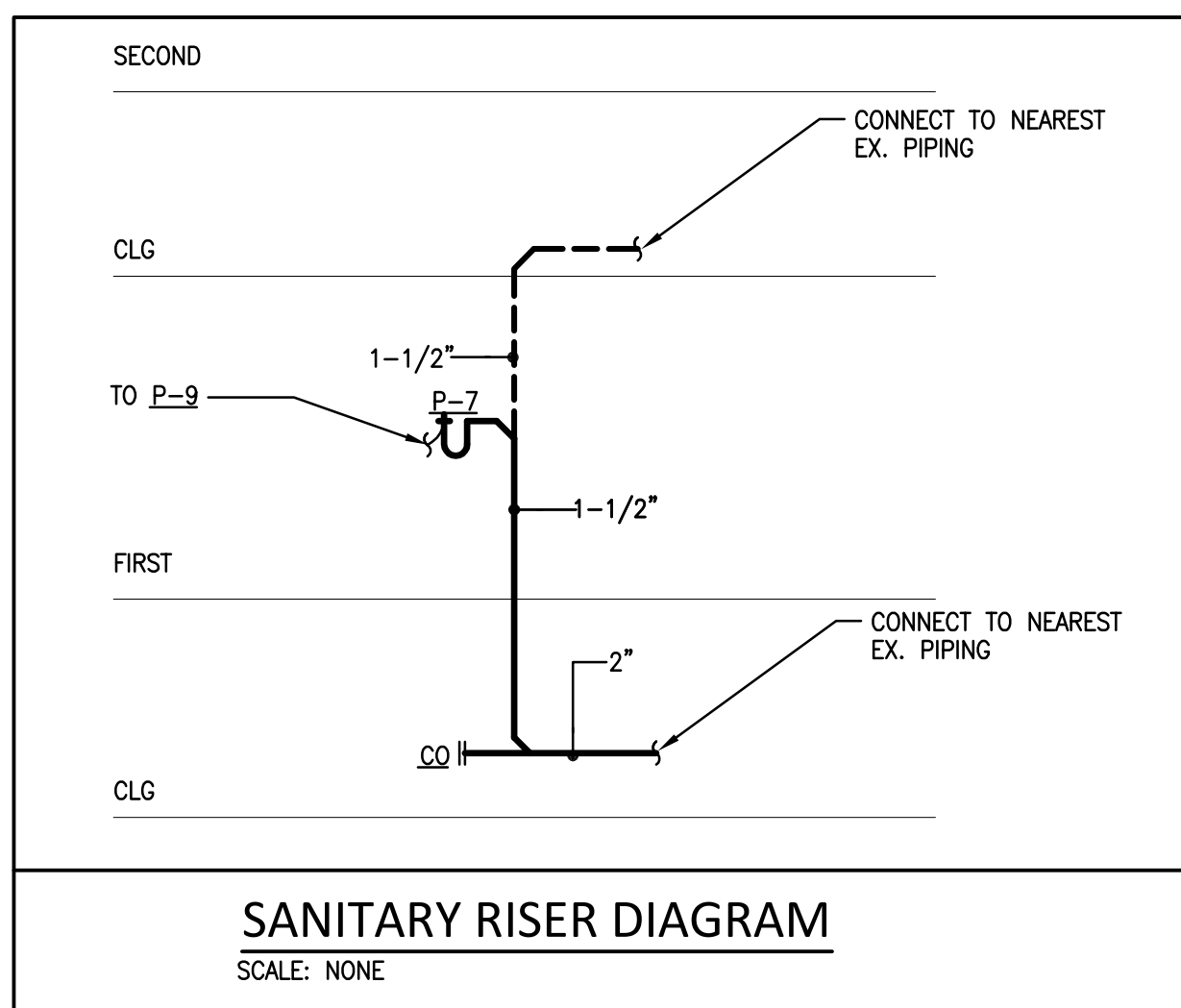
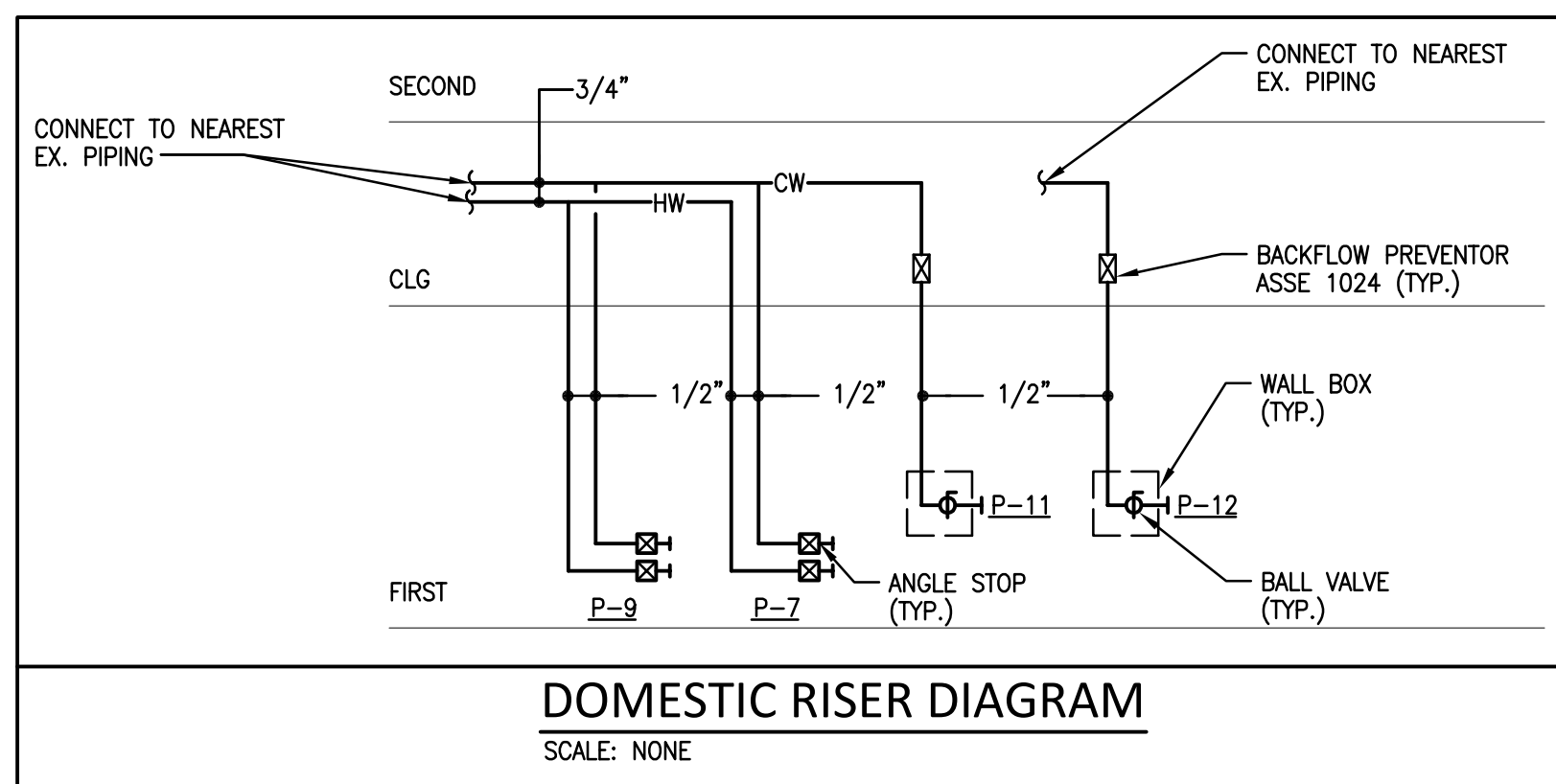
PLUMBING LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
---	SP,SAN	SANITARY PIPE
---	SW	STORM WATER
---	CD	CONDENSATE DRAIN
---	FD	FOUNDATION DRAIN
---	CO	CLEANOUT
---	V	VENT PIPE
---	CW	COLD WATER
---	HW	HOT WATER
---	HWR	HOT WATER REDIRCULATING
---	G	GAS
---	F	FIRE LINE
---		ANGLE STOP VALVE
---		BALL VALVE
---		CHECK VALVE
---	BWV	BACK WATER VALVE
---		FLOW METER FITTING
---		COMBINATION BALANCING/SHUT-OFF VALVE
---		REDUCED PRESSURE ZONE BACKFLOW PREVENTER
---		PRESSURE REDUCING VALVE
---		RELIEF VALVE
---	MAV	MANUAL AIR VALVE
---	AAV	AUTOMATIC AIR VALVE
---		STRAINER W/VALVE
---		UNION
---	SA	SHOCK ABSORBER
---		GAS PRESSURE REGULATOR
---		FLEXIBLE PIPE CONNECTION
---		PIPE TURNING UP
---		PIPE TURNING DOWN
---		TEE TURNING UP
---		TEE TURNING DOWN
---	WH	WALL HYDRANT
---	HB	HOSE BIBB
---	AD	AREA DRAIN
---	FD	FLOOR DRAIN
---	TD	TRENCH DRAIN
---		DETAIL DESIGNATION

PLUMBING FIXTURE SCHEDULE

DESIG.	DESCRIPTION	SAN	SW	VENT	CW	HW	MANUFACTURER & MODEL	TRIM AND ACCESSORIES	REMARKS	NOTES
P-1A	WATER CLOSET (TANK TYPE) ADA COMPLIANT	3"	-	2"	1"	-	AMERICAN STANDARD TRIUMPH CADET 3 RIGHT HEIGHT ENLONGATED TOILET MODEL 2492.016	SEAT: AMERICAN STANDARD #5284.016 ENLONGED, CLOSED FRONT W/LID	16-1/2" HIGH, ENLONGATED TOILET, 1.6 GPF	
P-3A	LAVATORY (WALL HUNG BOWL) ADA COMPLIANT	1-1/2"	-	1-1/2"	1/2"	1/2"	BOWL: AMERICAN STANDARD LUCERN MODEL 0355.012 W/4" CENTERS FINISH: WHITE	FAUCET: AMERICAN STANDARD MARQUETTE MODEL 7764F W/4" CENTERS, POP-UP DRAIN AND LEVER HANDLES FINISH: POLISHED CHROME	1.5 GPM (MAXIMUM)	
P-7	PANTRY SINK (SINGLE BOWL)	1-1/2"	-	1-1/2"	1/2"	1/2"				
P-9	DISHWASHER	3/4"	-	-	-	3/4"		PROVIDED UNDER ANOTHER DIVISION	PROVIDE WITH AIR GAP FITTING	1
P-10	SERVICE SINK (FLOOR MOUNTED)	3"	-	2"	3/4"	3/4"	SINK: FIAT MODEL M58 2424	FAUCET: FIAT MODEL 830-AA; ALUMINUM BUMPER GUARD, HOSE & BRACKET, MOP HANGER		
P-11	COFFEE MACHINE	-	-	-	1/2"	-		BACKFLOW PREVENTER ASSE 1024		
P-12	ICE MAKER	-	-	-	1/2"	-		BACKFLOW PREVENTER ASSE 1024		

- NOTES:
- COORDINATE LOCATION OF PLUMBING FIXTURES WITH ARCHITECTURAL DRAWINGS.
 - VERIFY ALL FINISHES AND COLORS WITH THE ARCHITECT.
 - PROVIDE FLUSH VALVE WITH OVERRIDE OPTION.
 - COORDINATE SINK CENTER-SET WITH FAUCET CENTER-SET.
 - COORDINATE WITH WALL THICKNESS.



810 Light Street Baltimore, Md 21230

Professional Certification: I certify that these documents were prepared or approved by me, and that I am a duly licensed engineer under the laws of the State of Maryland.
License No: 19989 Expiration Date: 3/4/2015

NO	DATE	DESCRIPTION

REVISIONS

NOTRE DAME PREP CONVENT RENOVATION

PLUMBING LEGEND, NOTES & SCHEDULES

SUBMISSION: PERMIT	
SHEET	TITLE
P001	GENERAL NOTES, ABBREVIATIONS, LEGEND & SCHEDULES
P101	BASEMENT AND FIRST FLOOR PLAN - PLUMBING NEW WORK

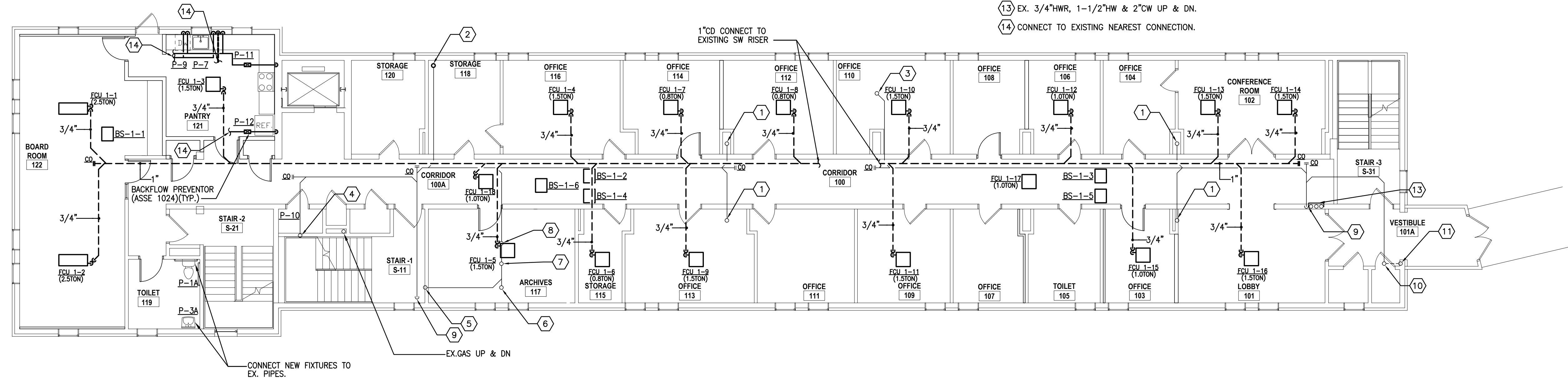
PROJ. NO.: 13007-00	DWG NO.
DRAWN BY: FDD	P-001
DATE: 08-06-13	



810 Light Street Baltimore, Md 21230

SPECIFIC NOTES (REFER TO P101 WHERE INDICATED):

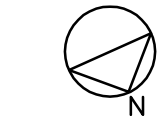
- ① EX. 3" SAN UP.
- ② EX. 1-1/2" SAN UP.
- ③ EX. 1-1/2" SAN UP TO EX. SINK.
- ④ EX. 3" SAN UP TO MOP SINK.
- ⑤ EX. 3" SAN UP TO WATER CLOSET.
- ⑥ EX. 1-1/2" SAN UP TO LAVATORY.
- ⑦ EX. 2" SAN UP TO CLOTHES WASHER.
- ⑧ EX. 1-1/2" SAN UP TO LAUNDRY TUB.
- ⑨ EX. 4" SAN DN.
- ⑩ EX. 3" SAN UP TO FLOOR DRAIN.
- ⑪ EX. 2" VENT UP.
- ⑫ EX. 4" SAN UP.
- ⑬ EX. 3/4" HWR, 1-1/2" HW & 2" CW UP & DN.
- ⑭ CONNECT TO EXISTING NEAREST CONNECTION.



FIRST FLOOR PLAN - PLUMBING - NEW WORK

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

- NOTES:**
1. FOR PIPING, VALVING & PIPE SIZES NOT SHOWN ON PLAN REFER TO RISER DIAGRAMS ON DWG. P101.
 2. PROVIDE ACCESS PANELS IN CEILING/WALL TO FACILITATE ACCESS TO ALL VALVING ASSOCIATED WITH CW, HW & HWR PIPING.



Professional Certification: I certify that these documents were prepared or approved by me, and that I am a duly licensed engineer under the laws of the State of Maryland.
License No: 19989 Expiration Date: 3/4/2015

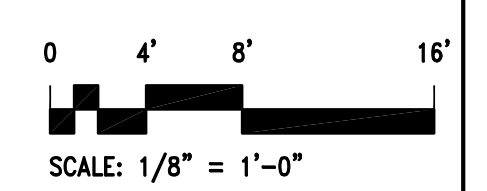
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REVISIONS

**NOTRE DAME
PREP CONVENT
RENOVATION**

**BASEMENT AND
FIRST FLOOR
PLAN - PLUMBING
NEW WORK**

PROJ. NO.: 13007-00	DWG NO.
DRAWN BY: FDD	P-101
DATE: 08-06-13	



SPLIT SYSTEM VRV SCHEDULE														
INDOOR UNIT	SERVING	AIR FLOW RATE CFM	BRANCH CONTROLLER UNIT NO.	HEATING		COOLING		INDOOR UNIT					NOTES	
				TOTAL CAP. (BTUH)	COIL (BTUH)	TOTAL CAP. (BTUH)	COIL (BTUH)	LG MODEL	TYPE	MCA	MOCF	FLA		V-PH-HZ
1-1	BOARDROOM 122	770	850	915	BS 1-1	31,500	28,000	ARNU2838GA2	DUCTED HI STATIC	3	15	2.3	208-1-60	1.2,3,4,5,6
1-2	BOARDROOM 122	770	850	915	BS 1-1	31,500	28,000	ARNU2838GA2	DUCTED HI STATIC	3	15	2.3	208-1-60	1.2,3,4,5,6
1-3	PANTRY 121	350	390	400	BS 1-1	21,500	19,100	ARNU183TC2	CEILING CASSETTE	2	15	0.2	208-1-60	1.2,3,4,5,6
1-4	OFFICE 120	350	390	400	BS 1-2	21,500	19,100	ARNU183TC2	CEILING CASSETTE	2	15	0.2	208-1-60	1.2,3,4,5,6
1-5	ARCHIVES 117	350	390	400	BS 1-4	21,500	19,100	ARNU183TC2	CEILING CASSETTE	2	15	0.2	208-1-60	1.2,3,4,5,6
1-6	STORAGE 115	250	270	280	BS 1-4	10,900	9,600	ARNU093TRC2	CEILING CASSETTE	2	15	0.2	208-1-60	1.2,3,4,5,6
1-7	OFFICE 114	250	270	280	BS 1-2	10,900	9,600	ARNU093TRC2	CEILING CASSETTE	2	15	0.2	208-1-60	1.2,3,4,5,6
1-8	OFFICE 112	250	270	280	BS 1-2	10,900	9,600	ARNU093TRC2	CEILING CASSETTE	2	15	0.2	208-1-60	1.2,3,4,5,6
1-9	OFFICE 113	350	390	400	BS 1-4	21,500	19,100	ARNU183TC2	CEILING CASSETTE	2	15	0.2	208-1-60	1.2,3,4,5,6
1-10	OFFICE 110	350	390	400	BS 1-3	21,500	19,100	ARNU183TC2	CEILING CASSETTE	2	15	0.2	208-1-60	1.2,3,4,5,6
1-11	OFFICE 109	350	390	400	BS 1-5	21,500	19,100	ARNU183TC2	CEILING CASSETTE	2	15	0.2	208-1-60	1.2,3,4,5,6
1-12	OFFICE 106	250	280	310	BS 1-3	13,600	12,300	ARNU123TRC2	CEILING CASSETTE	2	15	0.2	208-1-60	1.2,3,4,5,6
1-13	CONFERENCE 102	350	390	400	BS 1-3	21,500	19,100	ARNU183TC2	CEILING CASSETTE	2	15	0.2	208-1-60	1.2,3,4,5,6
1-14	CONFERENCE 102	350	390	400	BS 1-3	21,500	19,100	ARNU183TC2	CEILING CASSETTE	2	15	0.2	208-1-60	1.2,3,4,5,6
1-15	OFFICE 103	250	280	310	BS 1-5	13,600	12,300	ARNU123TRC2	CEILING CASSETTE	2	15	0.2	208-1-60	1.2,3,4,5,6
1-16	LOBBY 101	350	390	400	BS 1-5	21,500	19,100	ARNU183TC2	CEILING CASSETTE	2	15	0.2	208-1-60	1.2,3,4,5,6
1-17	CORRIDOR	250	280	310	BS 1-6	13,600	12,300	ARNU123TRC2	CEILING CASSETTE	2	15	0.2	208-1-60	1.2,3,4,5,6
1-18	CORRIDOR	250	280	310	BS 1-6	13,600	12,300	ARNU123TRC2	CEILING CASSETTE	2	15	0.2	208-1-60	1.2,3,4,5,6

NOTES:
1. ALL UNITS SHALL BE BALANCED TO HIGH SPEED FOR FANS.
2. VENTILATION AIR FOR SPACE VIA NATURAL VENTILATION.
3. UNITS BRANCH CONTROLLER BOX SERVED BY ROOF MOUNTED HEAT RECOVERY UNIT.
4. UNIT SHALL COME WITH (1) FAN.
5. PROVIDE UNIT WITH REMOTE THERMOSTAT.
6. PROVIDE FACTORY FURNISHED CONDENSATE PUMP, PROVIDE CHECK VALVE IN CONDENSATE DISCHARGE LINE.

GENERAL PROJECT NOTES

- PROVIDE ACCESS DOORS WHERE REQUIRED TO ALLOW FOR ACCESS TO EQUIPMENT (VALVING ETC....)
- COORDINATE REFRIGERANT PIPING ROUTING WITH OTHER TRADES, SUPPORT, SIZE AND INSTALL RS/RL PER MFR'S RECOMMENDATIONS.
- COORDINATE MOTORS AND OTHER ELECTRICAL EQUIPMENT FURNISHED UNDER DIVISION 15 WITH DIVISION 16. PROVIDE EQUIPMENT COORDINATION TABLE AS A SHOP DRAWING FOR REVIEW. TABLE SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING INFORMATION:
A) EQUIPMENT POWER REQUIREMENTS INCLUDING AMPS & VOLTAGES.
B) DISCONNECTING MEANS AND OVER CURRENT PROTECTION REQUIREMENTS.
C) CONTROL REQUIREMENTS.
- COORDINATE THE INSTALLATION OF LIGHTING FIXTURES WITH PIPING AND EQUIPMENT BEING INSTALLED IN THE FACILITY SUCH THAT PIPING AND EQUIPMENT DO NOT BLOCK OR IMPEDE LIGHTING.
- INSTALL EQUIPMENT, IE, AHU'S, BRANCH BOX CONNECTORS, FANS, ETC... IN SUCH A MANNER AS TO PROVIDE ADEQUATE SPACE FOR MAINTENANCE AND EQUIPMENT ACCESS.
- COORDINATE MOUNTING HEIGHTS AND LOCATIONS OF THERMOSTATS SERVING EQUIPMENT WITH THE OWNER AND/OR ARCHITECT.
- REPLACE AIR FILTERS SERVING AIR HANDLING UNIT EQUIPMENT PRIOR TO FINAL BALANCING OF ALL AIR DISTRIBUTION SYSTEMS.
- STOP ALL PIPING AND DUCT PENETRATIONS THRU FIRE WALLS AND FLOORS, IN ADDITION PROVIDE FIRE DAMPERS IN ALL DUCTS THAT PASS THROUGH FIRE WALLS-REFER TO ARCHITECTURAL DWG. 'S FOR FIRE WALL LOCATIONS.
- COORDINATE INSTALLATION OF AHU'S, BRANCH BOX CONNECTOR AND HRV-1 CONTROLS WITH DIVISION 16.
- REPLACE AIR FILTERS SERVING AIR HANDLING UNIT EQUIPMENT PRIOR TO FINAL BALANCING OF ALL AIR DISTRIBUTION SYSTEMS.
- PROVIDE WEATHER TIGHT WALL & ROOF DUCT AND PIPING PENETRATIONS, ALL SEALING MATERIALS TO BE APPROVED BY ARCHITECT.
- ROUTE DOMESTIC WATER PIPING, HVAC PIPING, ETC... IN PIPE CHASES AND FURRED OUT AND ABOVE CEILINGS. NO PIPING SHALL BE EXPOSED UNLESS APPROVED BY THE ARCHITECT OR OWNER.
- UNLESS OTHERWISE INDICATED, ALL WORK SHOWN IS NEW WORK.

GENERAL MECHANICAL DEMOLITION NOTES

- NOTIFY THE OWNER, IN WRITING, AT LEAST FOURTEEN (14) DAYS IN ADVANCE OF ALL REQUIRED SHUTDOWNS OF WATER, SEWER, FIRE PROTECTION, GAS, ELECTRICAL, SERVICES OR OTHER UTILITIES. UPON WRITTEN RECEIPT OF APPROVAL FROM OWNER, SHUTDOWNS SHALL BE PERFORMED BETWEEN THE HOURS OF SIX (6) P.M. AND SIX (6) A.M. OR AS DIRECTED OTHERWISE BY THE OWNER AT NO ADDITIONAL CONTRACT COST. AT THE END OF EACH WORK DAY SHUT DOWN ALL SERVICES SHALL BE RESTORED SO THAT NORMAL USE OF UTILITIES CAN CONTINUE.
- WHEN WORKING IN AND AROUND THE EXISTING BUILDING, CARE SHALL BE EXERCISED WITH REGARD TO PROTECTION OF EXISTING STRUCTURE AND MECHANICAL AND ELECTRICAL SERVICES WHICH SHALL REMAIN.
- REPAIR, REPLACE, OR RESTORE TO THE SATISFACTION OF THE ARCHITECT ALL EXISTING WORK DAMAGED IN THE PERFORMANCE OF DEMOLITION AND/OR NEW WORK.
- THE EXISTING CONDITIONS (PIPING, EQUIPMENT, AND MATERIALS) SHOWN ON THE CONTRACT DOCUMENTS ARE BASED ON INFORMATION OBTAINED FROM AVAILABLE RECORD DRAWINGS AND FIELD SURVEYS AND SHALL BE CONSIDERED DIAGNOSTIC. THE CONTRACTOR SHALL FIELD VERIFY EXACT SIZES AND LOCATIONS OF ALL PIPING, EQUIPMENT, AND MATERIALS PRIOR TO COMMENCING WITH NEW AND DEMOLITION WORK.
- EXISTING MECHANICAL AND ELECTRICAL WORK INDICATED TO BE REMOVE: (PIPES, VALVES, ETC.) SHALL BE REMOVED TO A POINT BELOW THE FINISHED FLOORS OR BEHIND FINISHED WALLS AND CAPPED. TERMINATION POINTS SHALL BE FAR ENOUGH BEHIND FINISHED SURFACES TO ALLOW FOR THE INSTALLATION OF THE NORMAL THICKNESS OF FINISHED MATERIAL.
- EXISTING PIPING NO LONGER REQUIRED TO REMAIN IN SERVICE SHALL BE DISCONNECTED AND REMOVED BACK TO EXISTING ASSOCIATED SERVICE MAINS UNLESS OTHERWISE INDICATED OR NOTED ON THE CONTRACT DRAWINGS. REMOVE EXISTING PIPE HANGERS, SUPPORTS, VALVES, ETC. EXISTING PIPING INDICATED OR REQUIRED TO REMAIN IN SERVICE OR IN PLACE SHALL BE CAPPED, PLUGGED OR OTHERWISE SEALED. NO EXISTING PIPING SHALL BE LEFT OPEN ENDED.
- PATCH TO MATCH EXISTING ALL NEW AND EXISTING OPENINGS IN WALLS, CEILINGS AND FLOOR SURFACES DAMAGED OR CREATED BY DEMOLITION WORK. PATCHING SHALL MATCH EXISTING ADJACENT SURFACES AS TO THICKNESS, TEXTURES, MATERIALS, AND COLOR. ALL PATCHING SHALL BE PERFORMED TO THE SATISFACTION OF THE ARCHITECT AND AT NO ADDITIONAL CONTRACT COST.
- ALL DEMOLISHED EQUIPMENT SHALL BE OFFERED TO THE OWNER PRIOR TO DISPOSAL. EQUIPMENT RETAINED BY THE OWNER SHALL BE STORED WHERE DIRECTED BY THE OWNER. ANY EQUIPMENT THE OWNER DOES NOT WISH TO RETAIN SHALL BE DISPOSED OF, OFF SITE, BY THE CONTRACTOR.

MECHANICAL LEGEND

SYMBOL	ABBREV	DESCRIPTION
	SA/OA	SUPPLY OR OUTDOOR AIR DUCT TURNED UP
	SA/OA	SUPPLY OR OUTDOOR AIR DUCT TURNED DOWN
	RA	RETURN AIR DUCT TURNED UP
	RA	RETURN AIR DUCT TURNED DOWN
	EA	EXHAUST AIR DUCT TURNED UP
	EA	EXHAUST AIR DUCT TURNED DOWN
	UNIT-#	THERMOSTAT WITH UNIT DESIGNATION
		FLEXIBLE DUCT CONNECTION
	DD	DUCT SMOKE DETECTOR
	MVD	MANUAL VOLUME DAMPER
	SD	SMOKE DAMPER
	FD	FIRE DAMPER
	MOD	MOTOR OPERATED DAMPER
		DUCT MOUNTED THERMOSTAT
		INCLINED DUCT RISE
		INCLINED DUCT DOWN
		TURNING VANES
		DEMOLITION TO THIS POINT
		CONNECT TO EXISTING
	CFM	CUBIC FEET PER MINUTE
		SPECIFIC DRAWING NOTE REFERENCE
		DIAMETER

BRANCH CONTROLLER SCHEDULE

UNIT DESIGN.	ASSOCIATED AHU	UNIT LOCATION	# OF PORTS	ELECTRICAL AMP	V-PH-HZ	UNIT WEIGHT (LBS)	LG ELECTRONICS MODEL
BS 1-1	FCU 1-1, FCU 1-2, FCU 1-3	BOARDROOM 122	3	0.2	208-1-60	49	PRHR030A
BS 1-2	FCU 1-4, FCU 1-7, FCU 1-8, SPACE	ABOVE CORRIDOR CLG	4	0.2	208-1-60	49	PRHR040A
BS 1-3	FCU 1-10, FCU 1-12, FCU 1-13, FCU 1-14	ABOVE CORRIDOR CLG	4	0.2	208-1-60	49	PRHR040A
BS 1-4	FCU 1-5, FCU 1-6, FCU 1-9	ABOVE CORRIDOR CLG	3	0.2	208-1-60	49	PRHR030A
BS 1-5	FCU 1-11, FCU 1-15, FCU 1-16	ABOVE CORRIDOR CLG	3	0.2	208-1-60	49	PRHR030A
BS 1-6	FCU 1-17, FCU 1-18	ABOVE CORRIDOR CLG	2	0.2	208-1-60	49	PRHR020A

NOTES:
1. PROVIDE BALL VALVES AND CAP ALL ADDITIONAL UNUSED RS/RL PORTS ON BOX.
2. MAINTAIN ACCESS TO BRANCH CONTROLLER BOX IN CEILING SPACE.

NATURAL VENTILATION SCHEDULE

ROOM	DESCRIPTION	FLOOR AREA (SQFT)	4% OF FLOOR AREA (SQFT)	OPERABLE WINDOW AREA (SQFT)	OPERABLE WINDOW AREA > 4% OF FLOOR AREA (Y/N)
1	BOARDROOM 122	590	23.60	26.0	Y
2	PANTRY 121	260	10.40	22.2	Y
3	STORAGE 120	120	4.80	7.4	Y
4	STORAGE 118	120	4.80	7.4	Y
5	ARCHIVES 117	245	9.80	14.8	Y
6	OFFICE 116	185	7.40	7.4	Y
7	OFFICE 118	155	6.20	14.8	Y
8	OFFICE 115	205	8.20	14.8	Y
9	OFFICE 112	175	7.00	14.8	Y
10	OFFICE 111	165	6.60	14.8	Y
11	OFFICE 110	175	7.00	7.4	Y
12	OFFICE 109	150	6.00	7.4	Y
13	OFFICE 108	115	4.60	7.4	Y
14	OFFICE 107	115	4.60	7.4	Y
15	OFFICE 106	115	4.60	7.4	Y
15	OFFICE 104	115	4.60	7.4	Y
16	OFFICE 103	115	4.60	7.4	Y
17	CONFERENCE 102	240	9.60	14.4	Y
18	LOBBY 101	245	9.80	14.4	Y
19	VESTIBULE 101A	145	5.80	42.0	Y

VARIABLE FLOW REFRIGERANT HEAT PUMP SCHEDULE

UNIT DESIGN.	LOCATION	SERVING	COOLING		HEATING		EER	ELECTRICAL		LG ELECTRONICS MODEL	NOTES	
			NOMINAL BTUH	RATED BTUH	NOMINAL BTUH	RATED BTUH		MCA	MOCF			V-PH
HRV-1	ROOF	FIRST FLOOR	288,000	288,000	324,000	324,000	14.2	49.9/49.9	70/70	208-3	ARLR288BT3	1.2,3,4,5,6

NOTES:
1. UNIT WEIGHT = 1,234 LBS
2. COMPRESSORS = QUANTITY OF 4, TWO INVERTER SCROLL COMPRESSOR & TWO CONSTANT SCROLL COMPRESSOR.
3. FANS = QUANTITY OF 4, PROPELLER TYPE, 17,600 CFM, DIRECT DRIVE
4. REFRIGERANT TYPE = R410A
5. SOUND PRESSURE 3 DB(A) @ 6ft
6. UNIT IS A COMBINATION OF TWO SMALLER UNITS. TWO ELECTRICAL CIRCUITS REQUIRED.

FAN SCHEDULE

DESIG.	AREA SERVING	DUTY	CFM	E.S.P. (IN.WC)	FAN SPEED (RPM)	TYPE	DRIVE	ELECTRIC W/HP, VOLTS-PH	NOTES	MANUFACTURER / MODEL (OR APPROVED EQUAL)
EF-1	TOILET ROOMS	BATHROOM EXHAUST	75	0.25	700	CENTRIFUGAL	DD	50W, 120-1	1	GREENHECK SP-890
EF-2	TOILET ROOMS	BATHROOM EXHAUST	75	0.25	700	CENTRIFUGAL	DD	50W, 120-1	1	GREENHECK SP-890

DRIVE AND TYPE:
BD BELT DRIVEN
DD DIRECT DRIVEN

NOTES:
1. FAN SHALL BE CONTROLLED VIA LIGHT SWITCH PROVIDED UNDER DIVISION 16.

AIR DEVICE SCHEDULE

DESIGN.	DUTY	TITUS MODEL (OR EQUAL)	DESCRIPTION	FINISH	ACCESSORIES	NOTES
EAG-1	EXHAUST	AMERICAN ALDES PRF-1	VARIABLE VOLUME EXHAUST DAMPER BOX, INTEGRAL DAMPER AND CONTROLS	WHITE	OSD	1.2,3,4
RAR-1	RETURN	SOF	ALUMINUM EGGRATE RETURN REGISTER	WHITE	OSD	1.2,3,4
SAD-1	SUPPLY	TDC	STEEL, LOUVERED FACE SUPPLY DIFFUSER, 4-WAY PATTERN	WHITE	OSD,STR	1.2,3,4,5
SAD-2	SUPPLY	TDC	STEEL, LOUVERED FACE SUPPLY DIFFUSER, 4-WAY PATTERN	WHITE	OSD,STR	1.2,3,4,5
IS-1	SUPPLY	ML-38	ALUMINUM, MODULAR SLOT SUPPLY DIFFUSER, 1" SLOTS	WHITE	OSD	1.2,3,4,6

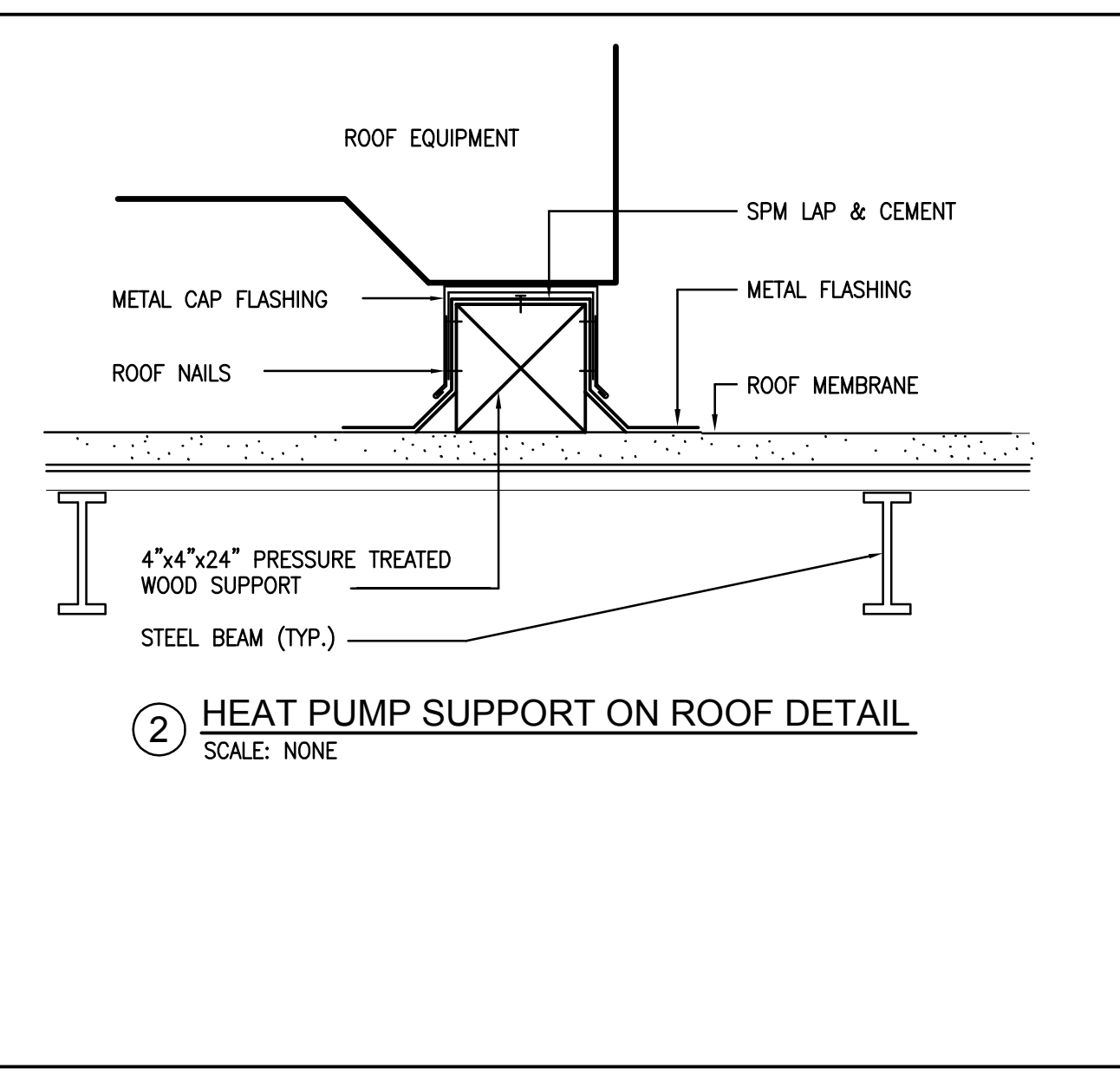
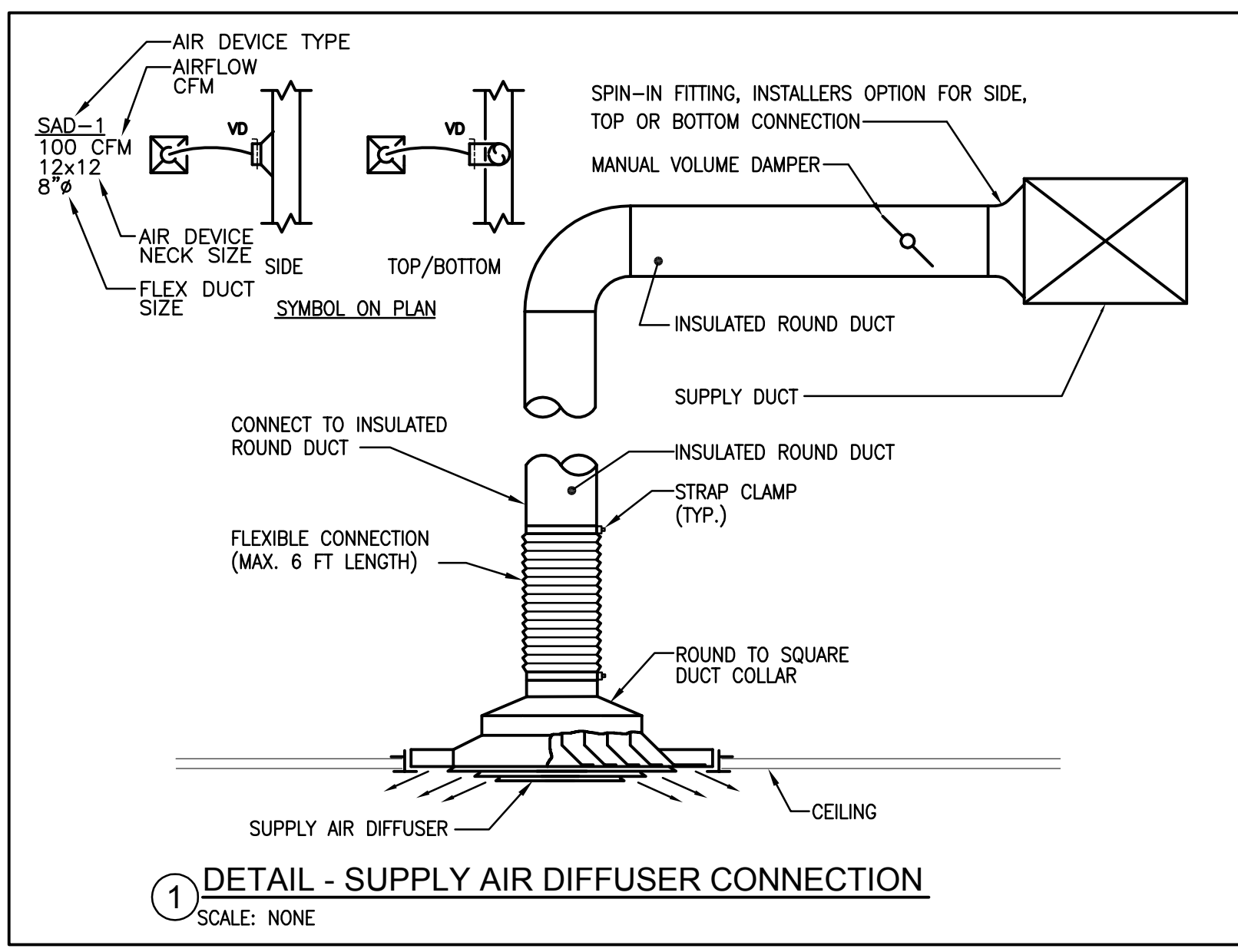
NOTES:
1. VERIFY FINISH WITH ARCHITECT.
2. CONTRACTOR IS RESPONSIBLE FOR COORDINATING BORDER TYPES, MOUNTING FRAMES AND FASTENINGS WITH REFLECTED CEILING PLAN AND CEILING TYPES ON ARCHITECTURAL DRAWINGS.
3. CONTRACTOR IS RESPONSIBLE FOR QUANTITIES AND SIZES.
4. AIR QUANTITIES AND NECK SIZES SHALL BE AS NOTED ON DRAWINGS.
5. PROVIDE 4-WAY PATTERN, DIFFUSER, UNLESS OTHERWISE NOTED ON DRAWINGS.
6. PROVIDE AIR DEVICE WITH FIELD FABRICATED PLENUM BOX.

MECHANICAL ABBREVIATIONS

ABBREV	DESCRIPTION	ABBREV	DESCRIPTION
A.C.	AIR CONDITIONER	MBH	THOUSANDS OF BTU'S/HOUR
A.F.F.	ABOVE FINISHED FLOOR	MFR.'S	MANUFACTURER'S
A.P.D.	AIR PRESSURE DROP	MECH.	MECHANICAL
ARCH.	ARCHITECTURAL	MIN., MAX.	MINIMUM, MAXIMUM
A.T.C.	AUTOMATIC TEMPERATURE CONTROL	NO.	NUMBER
BTUH	BRITISH THERMAL UNITS PER HOUR	O.E.D.	OPEN ENDED DUCT
CAP	CAPACITY	O.A.	OUTDOOR AIR
CFM	CUBIC FEET PER MINUTE	PSIG	POUNDS PER SQUARE INCH GAUGE
COMP.	COMPRESSOR	P-	PLUMBING FIXTURE DESIGNATION
CLG.	CEILING	REG.	REGISTER
CONT.	CONTINUATION	R.P.M.	REVOLUTION PER MINUTE
DN.	DIVISION	RA	RETURN AIR
DN.	DOWN	RAR	RETURN AIR REGISTER
DR.	DRAIN	RHC	REHEAT COIL
DWG.	DRAWING	R.L.A.	RUNNING LOAD AMPS
D.B.	DRY BULB	RL	REFRIGERANT LIQUID
EAG	EXHAUST AIR GRILLE	RS	REFRIGERANT SUCTION
E.A.T.	ENTERING AIR TEMPERATURE	SA	SUPPLY AIR
EF	EXHAUST FAN	SAD	SUPPLY AIR DIFFUSER
ELEC.	ELECTRIC	SENS.	SENSIBLE
ELEV.	ELEVATION	STRUCT.	STRUCTURE
E.W.T.	ENTERING WATER TEMPERATURE	SQFT.	SQUARE FEET
EXH	EXHAUST AIR	TYP.	TYPICAL
E.S.P.	EXTERNAL STATIC PRESSURE	VTR	VENT THROUGH ROOF
EQPT.	EQUIPMENT	V/F/Hz	VOLTS/PHASE/HERTZ
F.L.A.	FULL LOAD AMPS	W.C.	WATER COLUMN
FPM	FEET PER MINUTE	W.P.D.	WATER PRESSURE DROP
GAL	GALLON	W.B.	WET BULB
GPM	GALLONS PER MINUTE	WxHxD	WIDTH x HEIGHT x DEPTH
GR.	GRILLE	W/	WITH
G.W.B.	GYPSUM WALL BOARD	W	WATTS
HP	HORSEPOWER		
IN. W.C.	INCHES OF WATER COLUMN		
KW	KILOWATT		
L.A.T.	LEAVING AIR TEMPERATURE		
LBS.	POUNDS		
LBS/HR	POUNDS PER HOUR		
LRA	LOCKED ROTOR AMPS		
L.W.T.	LEAVING WATER TEMPERATURE		

MECHANICAL EQUIPMENT LIST

- UNIT HEATERS (UH-04)
CAPACITY: 10,200 BTUH
ELECTRICAL: 3.0 KW, 208V-1PH
BASIS OF DESIGN: BERKO FRC 4027



MECHANICAL DRAWING LIST

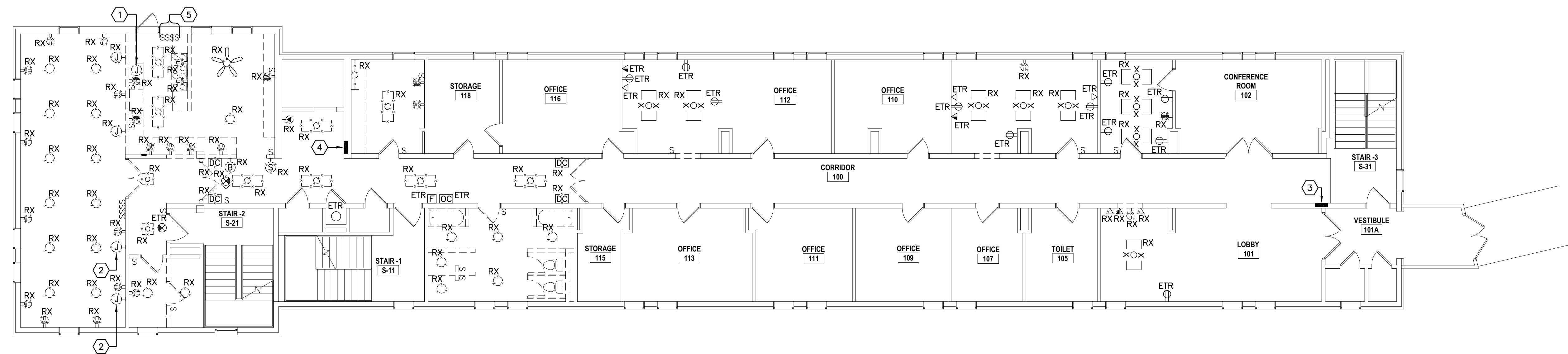
SUBMISSION:	PERMIT
SHEET	TITLE
M001	GENERAL NOTES, ABBREVIATIONS, LEGEND & SCHEDULES
M101	FIRST FLOOR PLAN - HVAC NEW WORK

DEMOLITION NOTES (APPLY TO DRAWING DE-101 WHERE INDICATED):

1. ALL SWITCHES SHALL BE REMOVED, UNLESS OTHERWISE NOTED.
2. ANY CIRCUITS DISRUPTED SERVING EXISTING EQUIPMENT TO REMAIN SHALL BE ACTIVE.
3. OWNER SHALL DECIDE WHAT TO DO WITH THE EXISTING EQUIPMENT ONCE REMOVED.
4. PROVIDE BLANK OVER PLATES OVER ALL EXISTING JUNCTION BOXES AND BACK PLATES.

SPECIFIC NOTES (APPLY TO DRAWING DE-101 WHERE INDICATED):

- ① REMOVE CONNECTION FOR DISHWASHER.
- ② EXISTING DEVICE SHALL BE TERMINATED BACK TO BOX, AND PROVIDED WITH A BLANK COVER PLATE.
- ③ EXISTING PANEL LP1-G. REFER TO RISER DIAGRAM ON SHEET E-601 FOR DETAILS.
- ④ EXISTING PANEL LP2-G. REFER TO RISER DIAGRAM ON SHEET E-601 FOR DETAILS.
- ⑤ CONTROLS SERVING EXISTING EXTERIOR FIXTURES TO REMAIN SHALL BE RELOCATED.



FIRST FLOOR PLAN - ELECTRICAL - DEMOLITION
SCALE: 1/8" = 1'-0"



810 Light Street Baltimore, Md 21230

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License No: 19966 Expiration Date: 3/4/2015

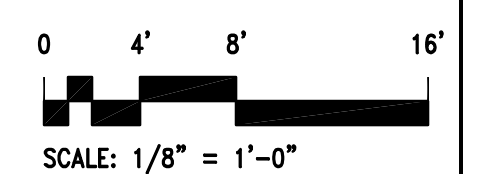
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REVISIONS

**NOTRE DAME
PREP CONVENT
RENOVATION**

**FLOOR PLAN -
ELECTRICAL -
DEMOLITION**

PROJ. NO.: 13007-00	DWG NO
DRAWN BY: TED	DE-101
DATE: 08-06-13	



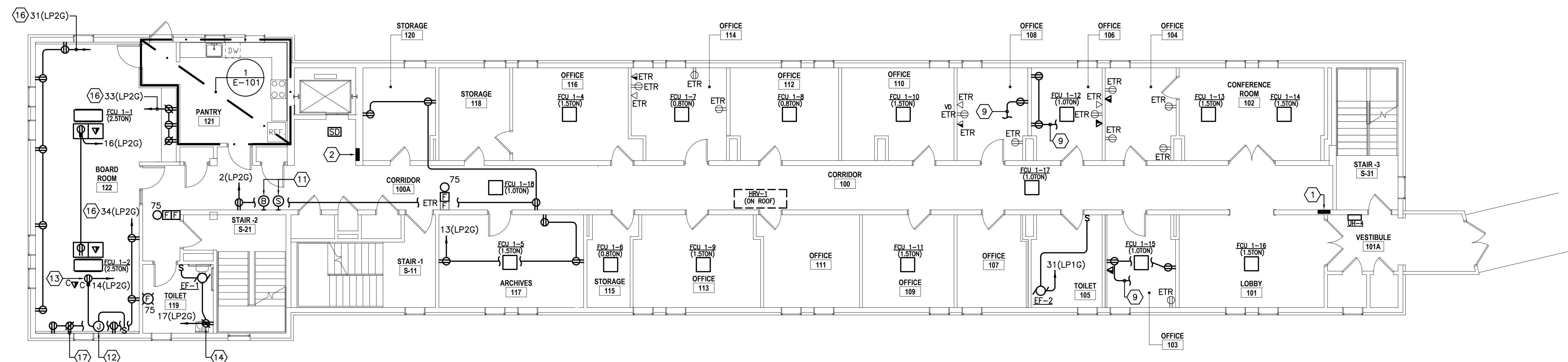
DRAWING NOTES (APPLY TO DRAWING E-101 WHERE INDICATED):

1. CONNECT ALL & FIXTURES AHEAD OF LOCAL SWITCHING.
2. ALL FIXTURE LABELED 'NL' ARE TO BE CONNECTED AHEAD OF LOCAL SWITCHING.
3. CLEAN AND RELAMP ALL EXISTING FIXTURES TO REMAIN.
4. REFER TO THE EQUIPMENT CONNECTION SCHEDULE ON SHEET E-001 FOR INFORMATION REGARDING MECHANICAL EQUIPMENT.

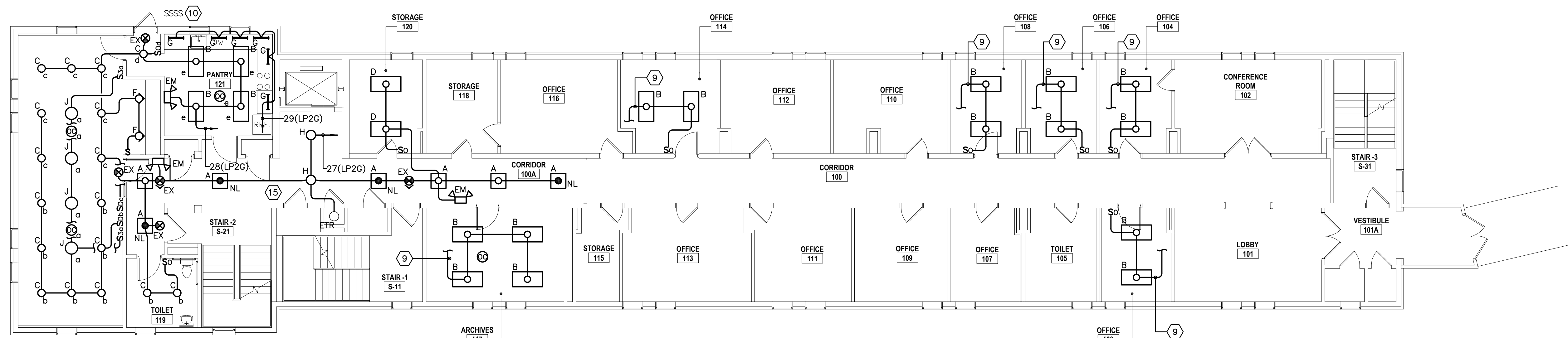
SPECIFIC NOTES (APPLY TO DRAWING E-101 WHERE INDICATED):

- 1 EXISTING **PANEL LP1-G**. REFER TO RISER DIAGRAM ON SHEET E-601 FOR DETAILS.
- 2 EXISTING **PANEL LP2-G**. REFER TO RISER DIAGRAM ON SHEET E-601 FOR DETAILS.
- 3 CONNECTION FOR DISHWASHER.
- 4 CONNECTION FOR GARBAGE DISPOSAL.
- 5 CONNECTION FOR COFFEE MACHINE.
- 6 CONNECTION FOR MICROWAVE.
- 7 CONNECTION FOR ELECTRIC RANGE.
- 8 CONNECTION FOR REFRIGERATOR.
- 9 CONNECT TO EXISTING CIRCUIT SERVING THIS AREA.
- 10 RELOCATE EXISTING CONTROLS SERVING EXISTING EXTERIOR FIXTURES TO REMAIN TO THIS LOCATION. PROVIDE NEW BOX, COVER PLATE AND SWITCHES.

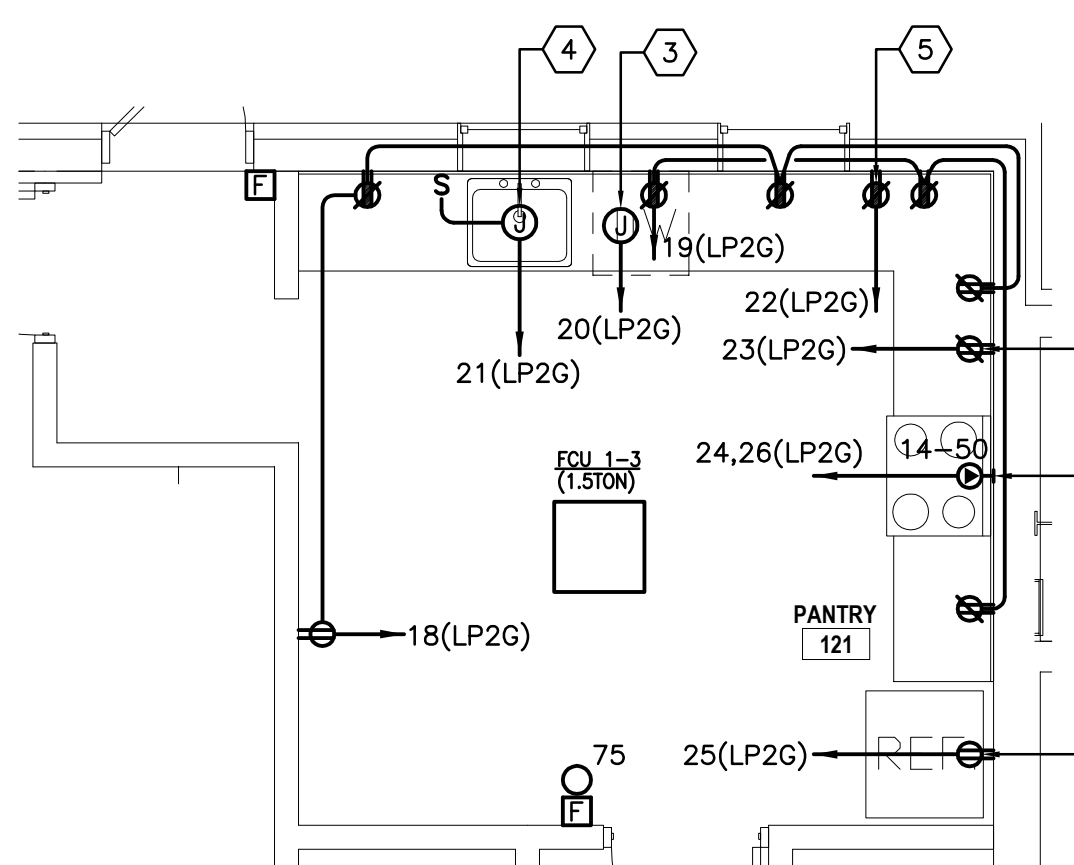
- 11 CONNECT TO EXISTING PA SYSTEM.
- 12 CONNECTION FOR MOTORIZED SCREEN.
- 13 CONNECTION FOR PROJECTOR.
- 14 RECEPTACLE SHALL BE MOUNTED AT 44" AWAY FROM FLOOR TO TOP OF DEVICE.
- 15 LIGHTING IN CORRIDOR SHALL BE CONTROLLED VIA TIME CLOCK. OWNER SHALL CLARIFY WHAT TIME SHALL THE LIGHTING SHALL BE TURNED OFF/ON. NIGHT LIGHTS (INDICATED WITH AN 'NL' SUBSCRIPT) SHALL REMAIN ON 24/7.
- 16 IF CIRCUITS SERVING THE BOARD ROOM AREA ARE MADE SPARE UNDER DEMOLITION, CONNECT NEW WORK TO SAID CIRCUITS - OTHERWISE CIRCUIT NEW DEVICES AS INDICATED ON PLAN.
- 17 MOUNTED HIGH RECEPTACLE FOR VANITY.



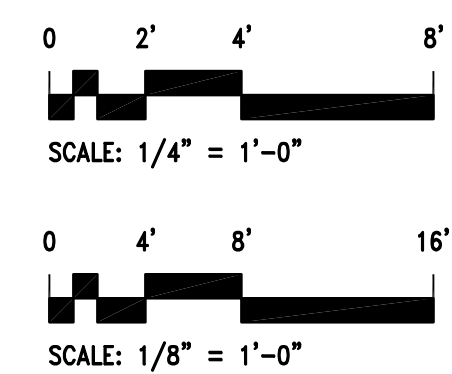
FIRST FLOOR PLAN - POWER - NEW WORK
SCALE: 1/8" = 1'-0"



FIRST FLOOR PLAN - LIGHTING - NEW WORK
SCALE: 1/8" = 1'-0"



1 PART PLAN - PANTRY 121 - POWER
SCALE: 1/4" = 1'-0"



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REVISIONS

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FLOOR PLAN - ELECTRICAL - NEW WORK

PROJ. NO.: 13007.00	DWG NO.
DRAWN BY: TED	E-101
DATE: 08-06-13	