

**Bedford Middle School**  
New Offices  
88 North Avenue  
Westport, CT 06880

CONSTRUCTION NOTES:

- 1.All interior finishes in tenant space to comply with 2015 IBC, Table 803.11, Class 'C' for rooms & corridors
- 2.Provide fire ratings and material cuts outlining burning characteristics for the carpet and ceiling tiles to the building department prior to proceeding.
- 3.All rated separations are to be maintained.
- 4.All floor and wall penetrations to be sealed as per ASTM E-814.
- 5.Provide all fire stopping submittals for tops of walls, pipes, wires, penetrations, etc. to the building department and obtain approval prior to proceeding.
- 6.All exit sign to comply with 2015 IBC, sec. 1013 and all tactile signs to comply with sec. 1013.4.
- 7.Accessible exits are to be marked by the international symbol of accessibility, in accordance with 2015 IBC, section 1013.
- 8.All interior HC signage to be installed as per 2015 IBC, section 1111
- 9.The following letters must be submitted upon completion of job and prior to Certificate of Occupancy:  
NFPA 72 acceptance letter from fire alarm contractor  
90 minute test letter for emergency lights from electrician  
HVAC balance report
- 10.During construction, all exits are to remain free and clear of debris. Fire alarm and automatic sprinkler systems are to remain active.
- 11.Fire extinguishers to be on site during course of construction.
- 12.All rated walls are to have identifying marks permanently affixed. 2105 IBC, 703.6.
- 13.Contractors to submit finish material specification cut sheets and obtain Fire Marshal approval, for all new material, showing conformance with all Chapter 8 requirements prior to proceeding, (interior wall and ceiling finish; flame spread and smoke developed).

## ABBREVIATIONS

ABV	ABOVE	CFL	COUNTER FLASHING	HC	HAND	OPP	OPPOSITE	SS, ST	STL	STAINLESS STEEL
ABF	ABOVE FINISHED FLOOR	CTSK	COUNTERSINK	HD	HANDICAP(ED)	OD	OUTSIDE DIAMETER	STD		STANDARD
ACT	ACOUSTICAL CEILING TILE	CRS, C	COURSE	HDW	HARDWARE	OA	OVERALL	SD		STEEL
ADJ	ADJACENT	CF	CURTAIN FABRIC	HDRM	HARDWOOD	OH	OVERHEAD	STR		STORM DRAIN
ADMIN	ADMINISTRATION				HDRM			STRUCT		STRUCTURAL
AHU	AIR HANDLING UNIT	DP	DAMP/PROOFING	HTG	HEATING	PT	PAINT	SUSP		SUSPENDED
ALT	ALTERNATE	DTL	DETAIL	HVAC	HEATING/VENTILATION/AIR	PTD	PAINTED	SYM		SYMETRICAL
ALUM	ALUMINUM	DIAG	DIAGONAL	HGT	HEIGHT	PNL	PANEL	SYS		SYSTEM
AB	ANCHOR BOLT	DIA	DIAMETER	H	HIGH	PF	PANEL FABRIC			
L	ANGLE	DIFF	DIFFUSER	HM	HOLLOW METAL	PTN	PARTITION	TB		TACKBOARD
APPROX	APPROXIMATE	DIM, DIMS	DIMENSION(S)	HOR	HORIZONTAL	PVMT	PAVEMENT	TEL		TELEPHONE
ARCH	ARCHITECT(URAL)	DO	DITTO			PVR	PAVER	TEMP		TEMPERATURE
@	AT	DR	DOOR	IN	INCH	PERF	PERFORATE	TZ		TERRAZZO
		DBL	DOUBLE	ID	INSIDE DIAMETER	PLAS	PLASTER	TZB		TERRAZZO BASE
BSMT	BASEMENT	DN	DOWN	INSUL	INSULATION	PLAM, PL	PLASTIC LAMINATE	TZT		TERRAZZO TILE
BM	BEAM	DRN	DRAIN	INT	INTERIOR	PL	PLATE	T		THERMOSTAT
BIT	BITUMINOUS	DWNG	DRAWING	INTERM	INTERMEDIATE	PWD	PLYWOOD	THK		THICK
BLK	BLOCK			INV	INVERT	PNT	POINT	THRES		THRESHOLD
BLKG	BLOCKING	EA	EACH	JNT/JT	JOINT	POL	POLISHED	T&G		TONGUE & GROOVE
BD	BOARD	E	EAST	JC	JANITOR CLOSET	POS	POSITIVE	T&B		TOP AND BOTTOM
BF	BOTH FACES	ELEC	ELECTRICAL/ELECTRIC			LB	POUND	T/BLK		TOP OF BLOCK
BS	BOTH SIDES	ELEV, EL	ELEVATION			PSF	POUNDS PER SQ FT	T/CONC		TOP OF CONCRETE
BOT	BOTTOM	EMERG	EMERGENCY	KD	KNOCK DOWN	PSI	POUNDS PER SQ INCH	T/CURB		TOP OF CURB
BRK	BRICK	EQ, =	EQUAL	KO	KNOCK OUT	PC	PRECAST	T/DECK, TOD		TOP OF DECK
BLDG	BUILDING	EQUIP	EQUIPMENT	KS	KNEE SPACE	PROJ	PROJECTION	T/FTG		TOP OF FOOTING
BUR	BUILT-UP ROOFING	EST	ESTIMATE(D)			PL	PROPERTY LINE	T/SLAB		TOP OF SLAB
		EWIC	ELECTRIC WATER COOLER	LBL	LABEL			T/ST		TOP OF STEEL
CAB	CABINET	EXH	ELECTRIC WATER COOLER	LAM	LAMINATE	QT	QUARRY TILE	T/WALL		TOP OF WALL
CUH	CABINET UNIT HEATER	EF	EXHAUST FAN	LAV	LAVATORY	QTB	QUARRY TILE BASE	TR		TREAD
CPT	CARPET	EXTG	EXISTING	LH	LEFT HAND			TD		TRENCH DRAIN
CI	CAST IRON	EXP	EXPANSION	L	LENGTH	RADN	RADIATOR, RADIATION	TYP		TYPICAL
CL	CATCH BASIN	EQ	EXPOSED CONSTRUCTION	LTG	LIGHTING	RAD, R	REQUIRED	TBD		TO BE DETERMINED
CLK	CAULK	EXT	EXTERIOR	LTG,STND	LIGHTING STAND	REQD	REQUIRED			
CLG	CEILING	EW	EXTERIOR WALL	LMS	LIGHT WEIGHT	REV	REVERSE	UOD		UNDERSIDE OF DECK
CEM	CEMENT			LW	LIMESTONE	RH	RIGHT HAND	UL		UNDERWRITERS LABORATORIES
CTR	CENTER	LIN	LINEAR			ROW	RIGHT OF WAY	UNFIN		UNFINISHED
CC	CENTER TO CENTER					R	RISER	U.N.O.		UNLESS NOTED OTHERWISE
CL	CENTERLINE	FF	FINISH FLOOR	MH	MANHOLE	RS	ROLLER SHADE			
CTB	CERAMIC FLOOR TILE	FIN GRD	FINISH GRADE	MFG	MANUFACTURER	RD	ROOF DRAIN	VB		VAPOR BARRIER
CT	CERAMIC TILE	FE	FIRE EXTINGUISHER	MB	MARBLE	RFG	ROOFING	VNR		VENEER
CTC	CERAMIC TILE BASE	FE CAB	FIRE EXTINGUISHER CABINET	MAS	MASONRY	RO	ROUGH OPENING	VRT		VENT THROUGH ROOF
C, [	CERAMIC WALL TILE	FPL	FIREPLACE	MO	MASONRY OPENING	RM	ROUGH OPENING	VERT		VERTICAL
CH	CHANNEL	FP	FIREPROOF	MATL	MATERIAL	RO	RUBBER BASE	VCT		VINYL COMPOSITE TILE
CLRM	CLASSROOM	FIXT	FIXTURE	MAX	MAXIMUM	RF	RUBBER FLOORING	VET		VINYL ENHANCED TILE
CP	CLAY PIPE	FLG	FLASHING	MECH	MECHANICAL	RWB	RESILIENT WALL BASE	VWC		VINYL WALLCOVERING
CLR	CLEAR	FLR	FLOOR							
CLOS	CLOSET	FD	FLOOR DRAIN	MTL	METAL	SCHED	SCHEDULE	WSC		WAINSCOT
COL	COLUMN	FL	FLUSH	MWK	MILLWORK	SCS	SEALED CONCRETE SURFWE	WFL		WALL FABRIC
COMB	COMBINATION	FT	FOOT (FEET)	MIN	MINIMUM	SEC	SECTION	WTR		WATER
CON	CONCRETE	FTG	FOUNDATION	MIS	MISCELLANEOUS	SERV	SERVICE	WPR		WATERPROOFING
CMU	CONCRETE MASONRY UNIT	FNDR	FOUNDATION	MTD	MOUNTED	SHTHG	SHEATHING	WT, WGT		WEIGHT
CONST	CONSTRUCTION	FUT	FUTURE			SIM	SIMILAR	WWF		WELDED WIRE FABRIC
CJT	CONSTRUCTION JOINT			NEG	NEGATIVE	SLDG	SLIDING	W		WEST
CONT	CONTINUOUS	GALV	GALVANIZED	NOM	NOMINAL	SC	SOLID CORE	W		WIDTH
LL	CONTRACT LIMIT LINE	GA	GAUGE	N	NORTH			WIN		WINDOW
CNJT	CONTROL JOINT	GL	GLASS, GLAZING	NIC	NOT IN CONTRACT	S				
CO	CONVENIENCE OUTLET	GRD	GRADE	NTS	NOT TO SCALE	S		W/O		WITHOUT
CPG	COPING	GFB	GROUND FACE BLOCK	NO, #	NUMBER	SPEC	SPECIFICATION	WD		WOOD
CORR	CORRIDOR	GWB, GYP	GYP/SPUM DRY WALL			SPL	SPLINKER	WB		WOOD BASE
				OC, O/C	ON CENTER	SQ	SQUARE			
				OPG	OPENING	SF	SQUARE FOOT			

**USE GROUP**  
Educational - E

**CONSTRUCTION TYPE (Chapter 6)**  
Type 2B;

## FIRE-RESISTANCE RATED REQUIREMENTS FOR BUILDING ELEMENTS

- | Table 601 |  |       |
|-----------|--|-------|
| a.        | Structural frame: including columns, girders, trusses      | 0 Hr. |
| b.        | Bearing walls:   |       |
|           | Exterior:  | 0 Hr. |
|           | Interior:  | 0 Hr. |
| c.        | Nonbearing walls and partitions (Exterior)                 | 0 Hr. |
| d.        | Nonbearing walls and partitions (Interior)                 | 0 Hr. |
| e.        | Floor construction (including supporting beams and joists) | 0 Hr. |
| f.        | Roof construction (including supporting beams and joists)  | 0 Hr. |

## SEPARATIONS

- Corridor Separations (IBC 1020.1)  
E – 0 hr with Automatic Fire Sprinkler

**EXIT ACCESS TRAVEL DISTANCE (Table 1017.2)**

Maximum allowed travel distance with Fire Sprinkler  
Use Group E = 250 ft

Common path of travel (Table 1006.2.1) with fire sprinkler  
Use Group E = 75 ft

Corridor Width – Group E

Occ load less than 50:	44" wide
Occ load greater than 100:	72" wide

### OCCUPANT LOAD (1004.1.2)

Educational; 1/20 sf for classrooms

## EXITS

- Spaces with one exit (Table 1006.2.1)  
Use Group E: Max. 49 people/ 75 ft
- Dead Ends (IBC 1018.4) 20ft
- Doors (IBC 1005.3.2 & 1010.1.1)  
Min. 32" clear width & 0.2" per person

### SIGNAGE – Non Illuminated

703.6: Required at all Fire Walls, Fire Partitions, Fire Barriers & Smoke Barriers  
1013: Required at all Exits; Not required in spaces with one exit

### APPLICABLE CODES

2018 Connecticut State Building Code including the following  
2015 International Building Code  
Connecticut Supplement, 2018  
2015 International Energy Code  
2015 International Mechanical Code  
2015 International Plumbing Code  
2017 NFPA 70 National Electric Code  
2015 International Fire Code  
2015 Connecticut State Fire Safety Code  
ICC/ANSI A117.1 – 2009

DRAWING INDEX					
Sheet Number	Sheet Name	Project Issue Date	Current Revision	Current Revision Date	Current Revision Description
A001	Cover Page	04/23/2019			
A002	Accessibility Sheet	04/23/2019			
A101	Proposed Media Center Alterations - Base Bid	04/23/2019			
A101a	Proposed Media Center Reflected Ceiling Plan Alterations - Base Bid	04/23/2019			
A102	Proposed Media Center Alterations - Alternate No. 1	04/23/2019			
A102b	Proposed Media Center Reflected Ceiling Plan Alterations - Alternate No. 1	04/23/2019			
D101	Demolition Plans - Base Bid	04/23/2019			
D102	Demolition Plans - Alternate No. 1	04/23/2019			
E101	Existing Media Center	04/23/2019			

DOOR SCHEDULE													
DOOR NUMBER	DOOR		FRAME	FIRE RATING		HARDWARE - See Specifications							Hardware Set No.
	TYPE	SIZE		Type / Material	Material	60 Minutes	20 Minutes	Panic Release Device	Positive Latching	Automatic Closer	Office Lock	Classroom Lockset	
		3'-0" x 7'-0"											
1	B	X	AD	AL			X	X	X			SIGNAGE Mounting Height 60" Above Finished Floor	1
2	B	X	WD	HM			X	X	X			Office XXX	2
3	B	X	WD	HM			X	X	X			Office XXX	1
4	B	X	AL	AL			X	X	X			Resource Room	1
5	A	X	WD	HM			X	X	X			Office XXX	2
6	A	X	WD	HM			X	X	X			Resource Room	2
7	C	X	WD	HM			X	X	X			Storage	3

DOOR TYPES:

- A. Flush Particle Core red oak veneer door, 1-3/4" thick with 5" x 20" clear fire rated glass vision panel; 20 min fire rated with UL label
- B. Medium style aluminum frame door and sidelight with full view tempered glass to match the existing corridor windows
- C. Flush Particle Core red oak veneer door, 1-3/4" thick.

## DOOR FRAMES

Hollow Metal (HM) door frames to be hot dipped galvanized, 18 gauge hollow metal jambs with three anchors per jamb, rust inhibitive primer and hardware prep including required reinforcing plates. Frame to be 2" x width required to wrap around stud framed walls

Aluminum door frames are to match the existing frames on the corridor windows in size, finish and style.

## HARDWARE

Hinges: Stanley full mortise CB1900 Series, 4-1/2" high hinges, satin chrome 626 finish, minimum three per door.

Closer: LCN 4011/4111 with heavy duty CUSH-N-STOP arm on all exterior doors. Install closer on the least conspicuous side of the door.

**Door Stops:** Schlage Vandgard, ND Series with Rhodes design lever and satin chrome 626 finish. Glynn-Johnson 60W wall bumpers to be installed for all doors that open against a wall.

Kickplates: .050 Stainless steel kickplates, 16" high x 2" less than door width.

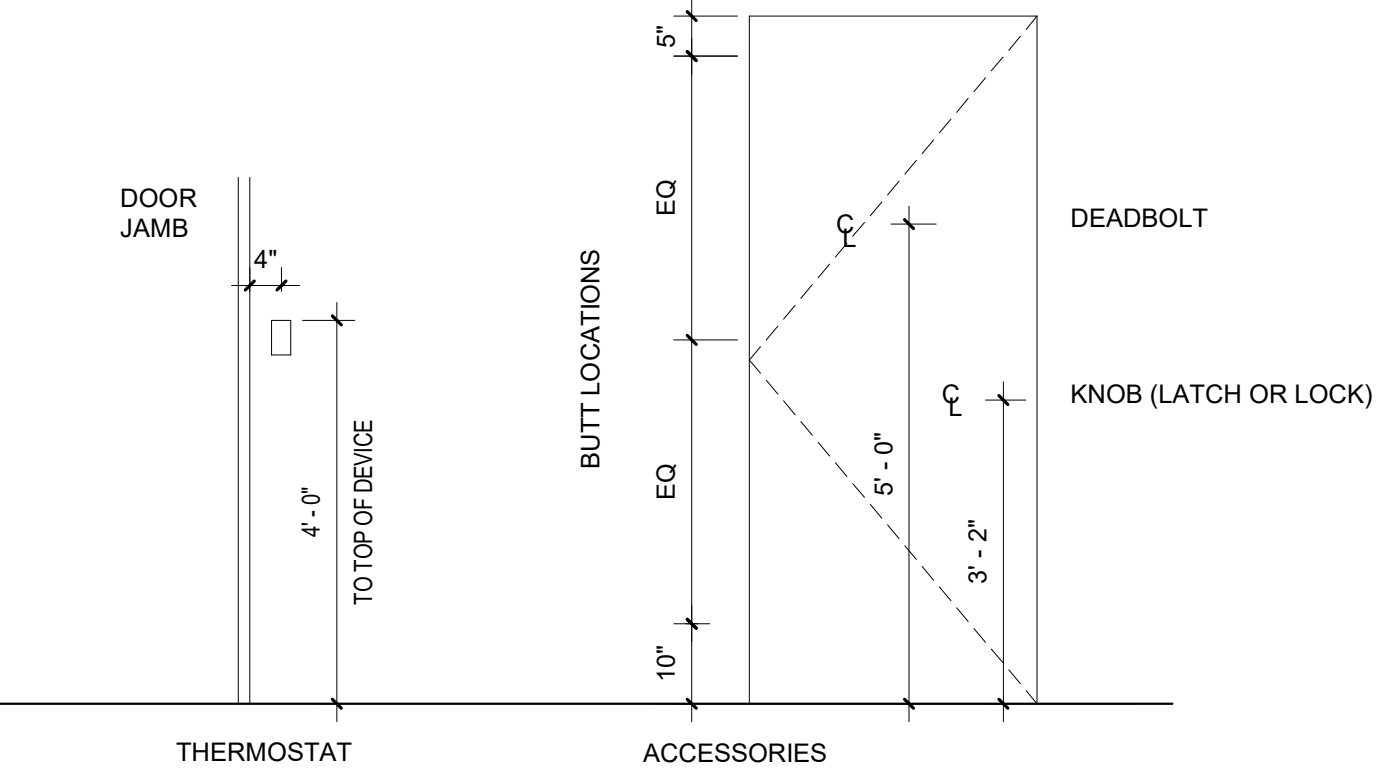
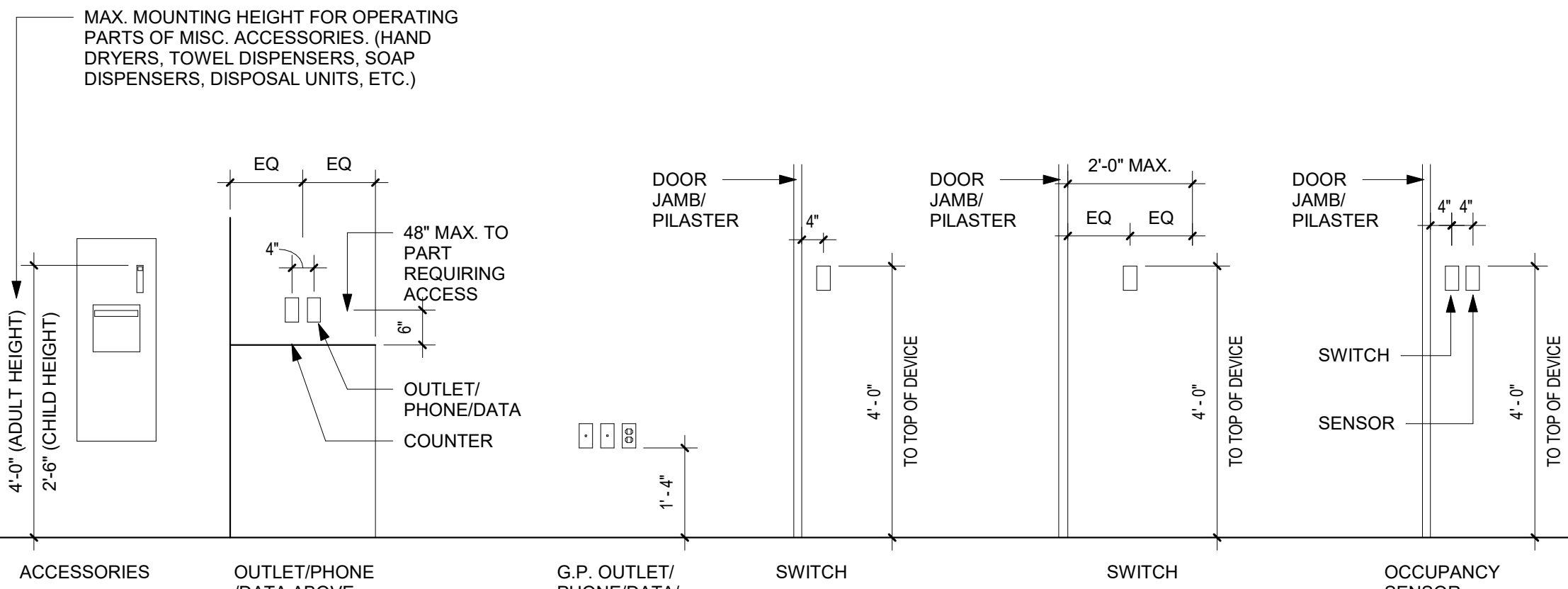
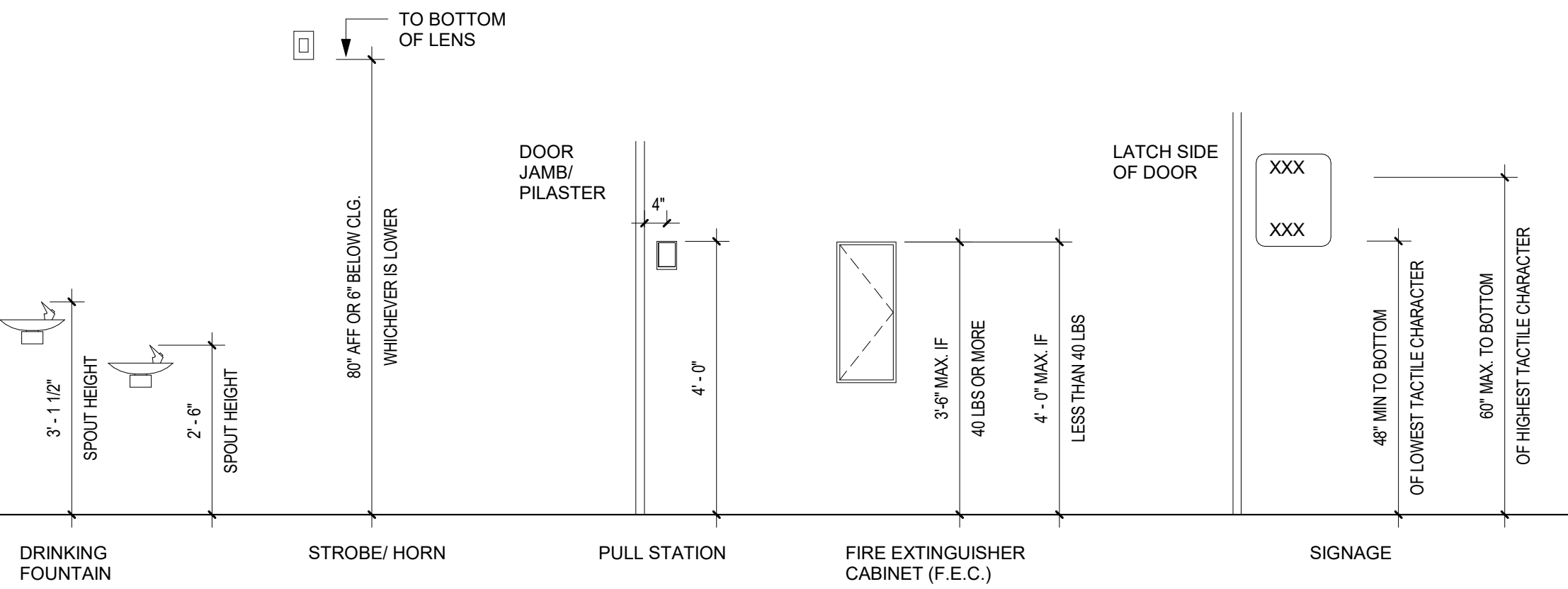
Keying: ALL keys are to be Keyed to the Medeco Master Key System for the school  
Hardware supplier to submit Hardware Schedule for the Architects review.



TYPICAL MOUNTING HEIGHTS

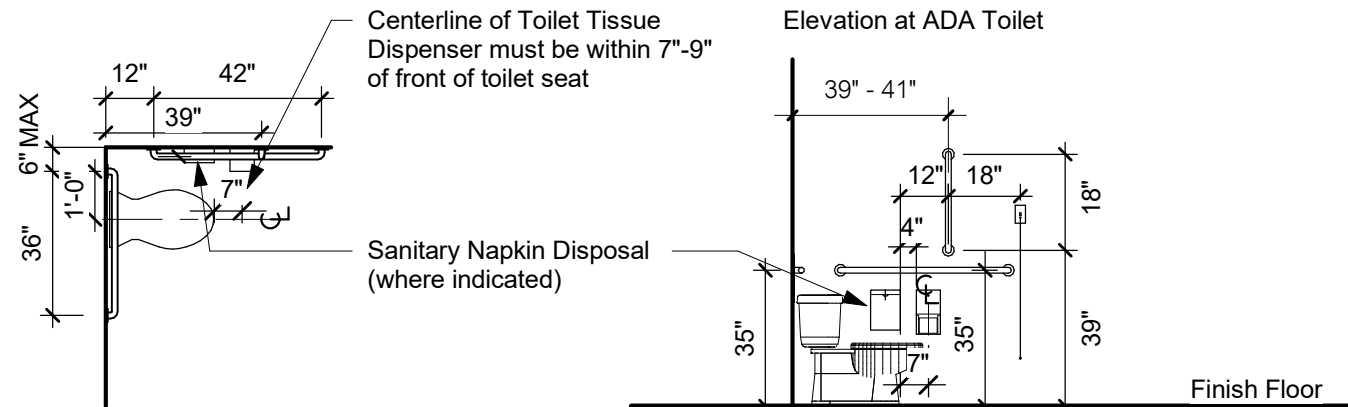
1/2" = 1'-0"

FOR ACCESSIBLE FIXTURES. DIFFERENT ANSI A117 COMPLYING MOUNTING HEIGHTS ARE ACCEPTABLE.



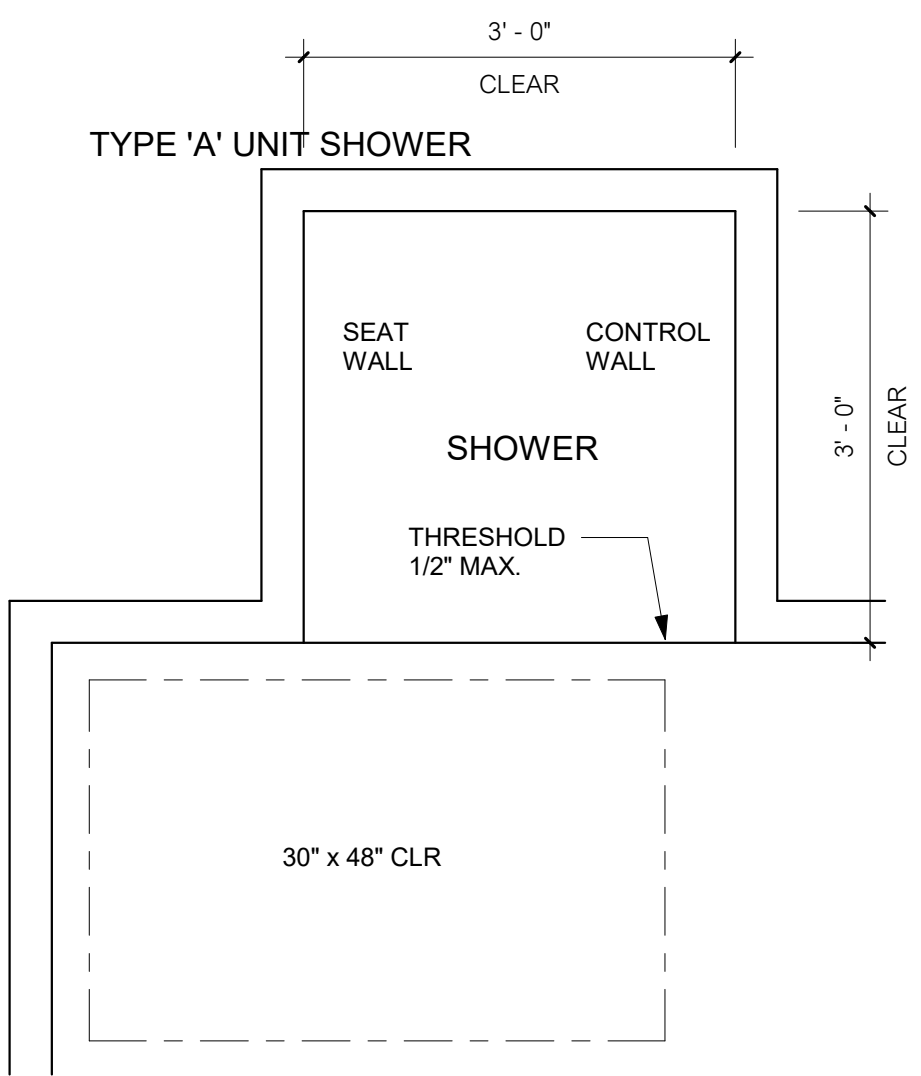
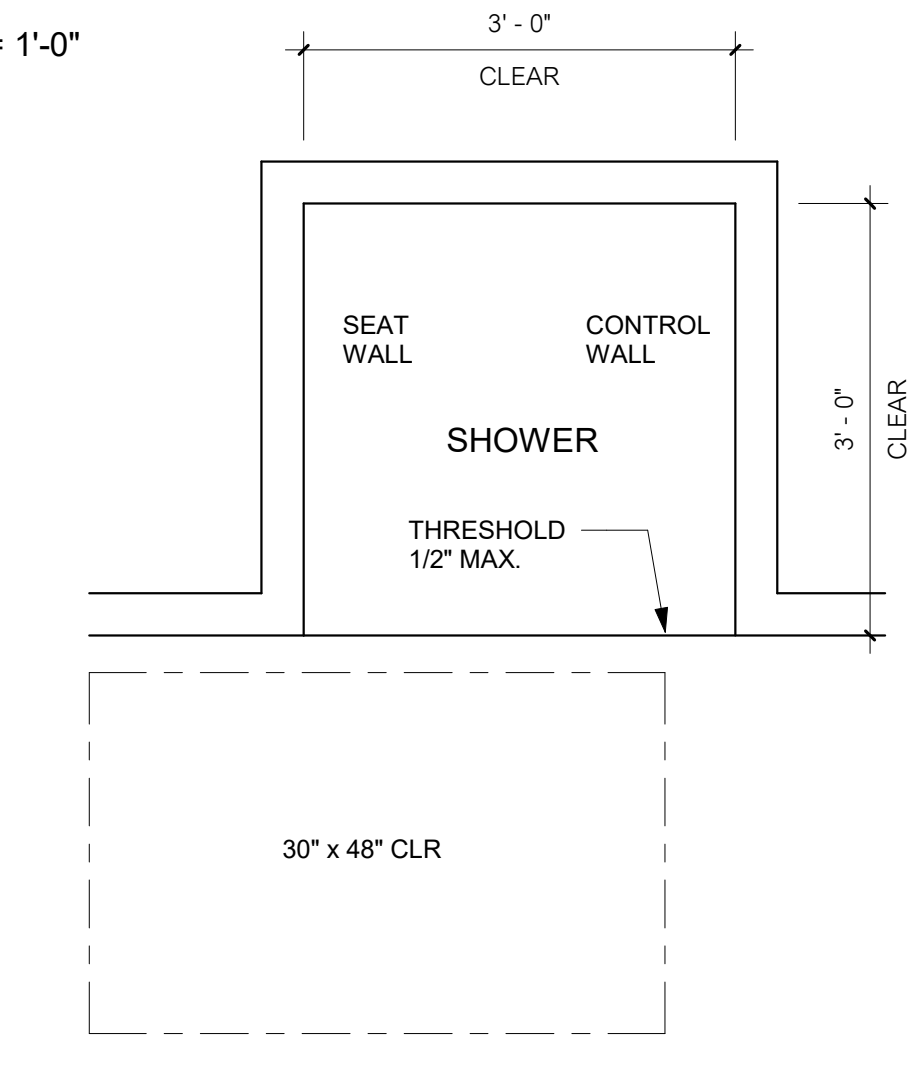
- Notes:
1. All mounting heights shall be measured from finished floor to centerline of device except exit signs or otherwise noted.
  2. Device Shall be Installed on a common vertical centerline whenever possible.
  3. All devices shall be installed at mounting heights as indicated on the detail unless otherwise noted.

Exact locations and mounting heights of switches, thermostats, boxes, plates, receptacles, etc. will be located with the architect in the field. It is the intention of the architect to group and organize the above-listed devices to the greatest extent possible. These devices shall not be installed prior to field review with the architect.



ACCESSIBLE SHOWER CLEARANCES

3/4" = 1'-0"

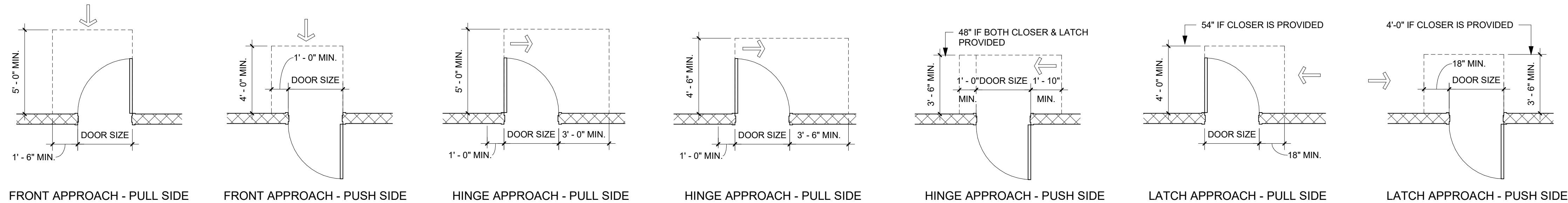


TYPE 'B' UNIT SHOWER

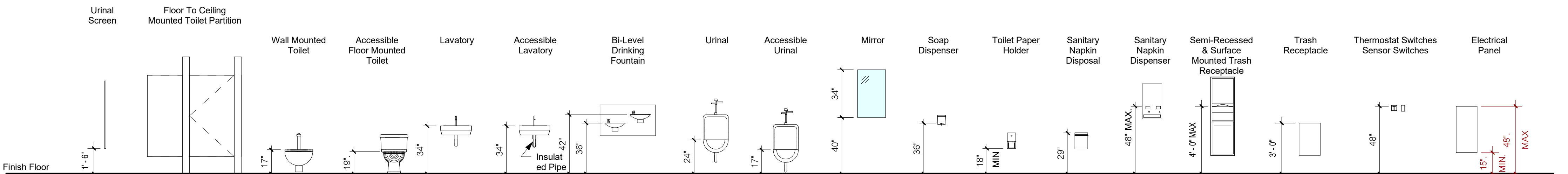
SEAT REINF. NOT REQ'D. IN SHOWER LARGER THAN 36" W x 36" D

MANEUVERING CLEARANCE AT DOORS

1/4" = 1'-0"

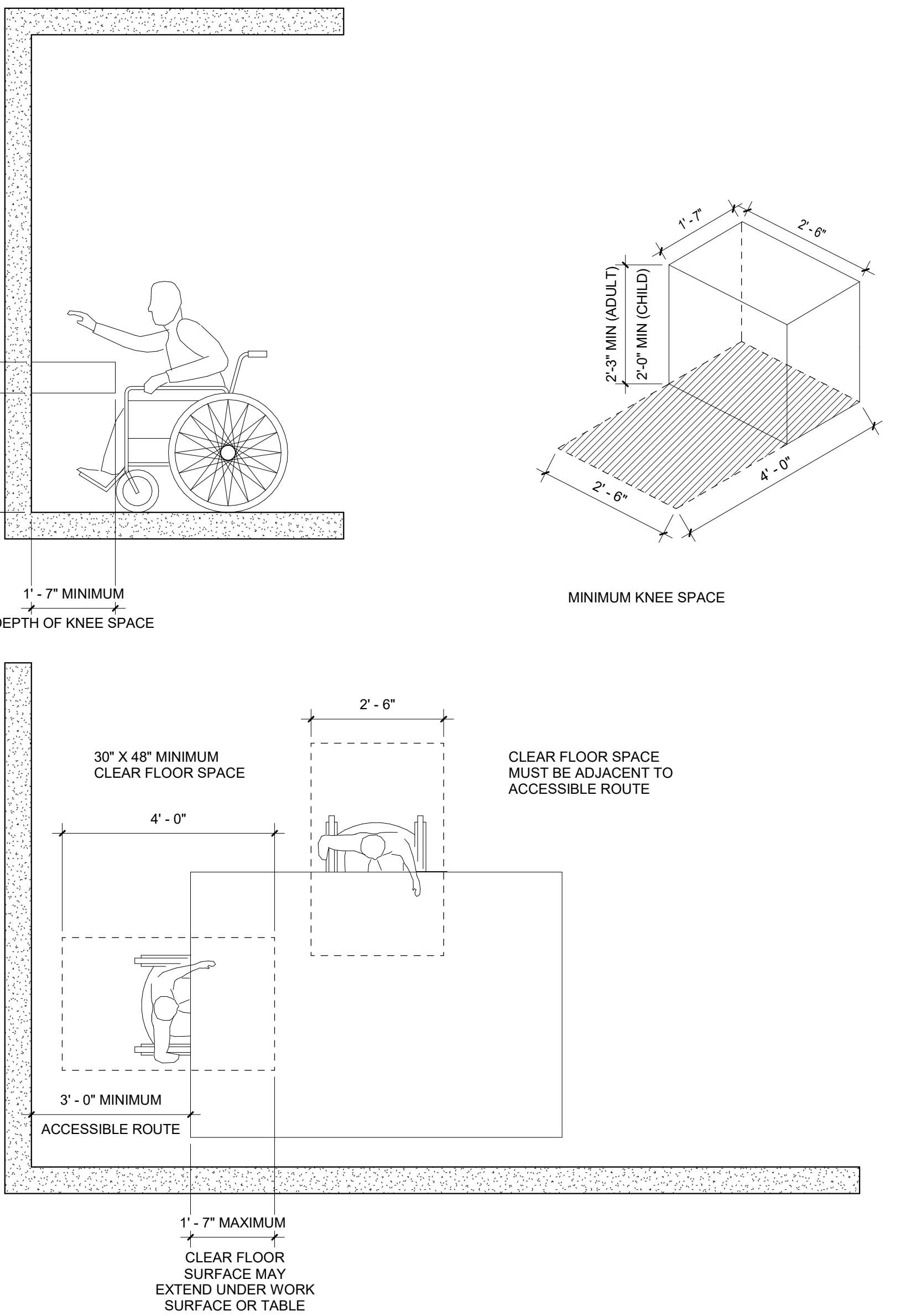


NOTE: ALL SINGLE DOORS SHALL BE LOCATED AS INDICATED IN COMMERCIAL SPACE & TYPE 'A' ACCESSIBLE UNITS UNLESS DIMENSIONED ON FLOOR PLANS.



COUNTER CLEARANCES

1/2" = 1'-0"



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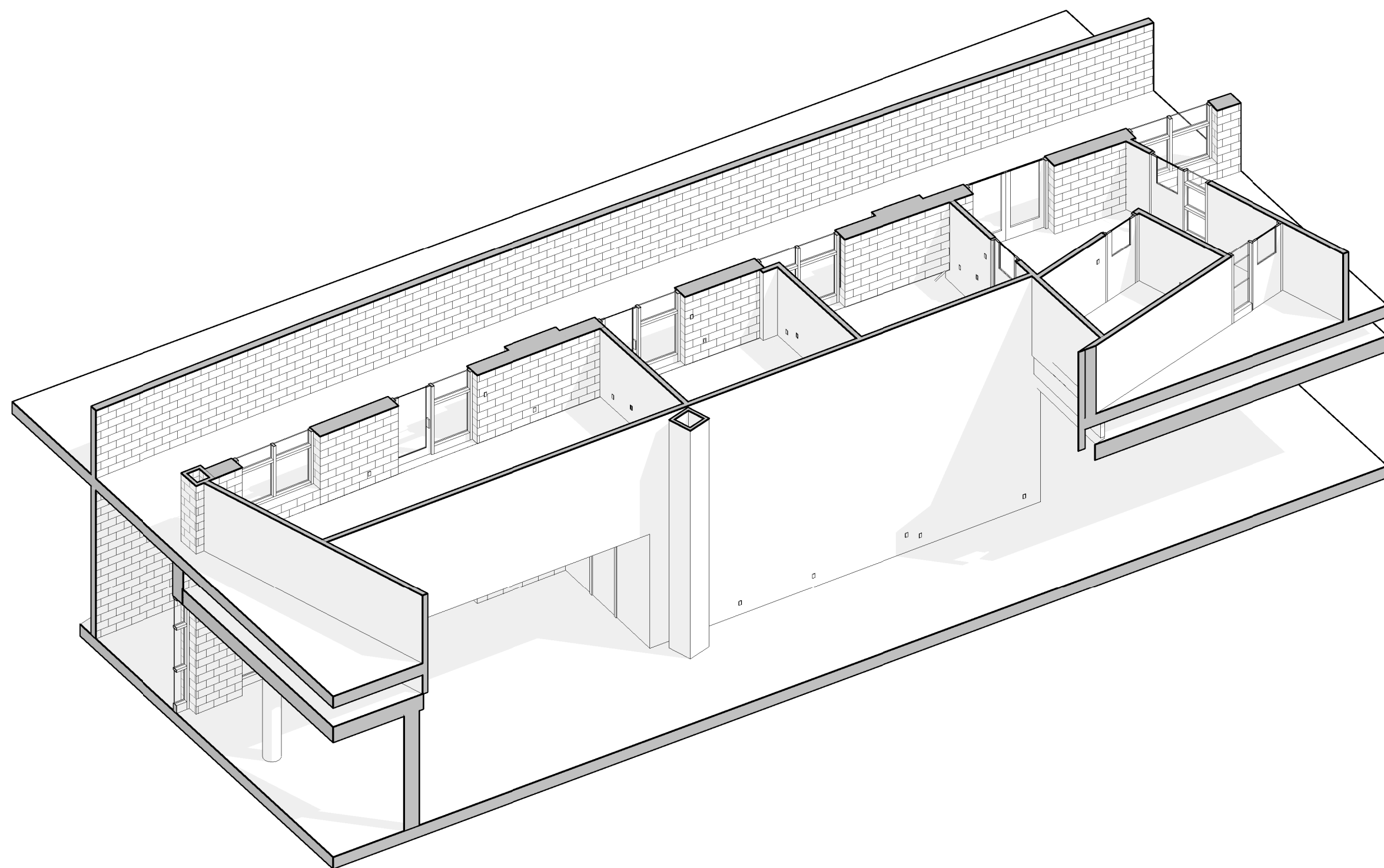
Revision Number	Revision Description	Revision Date
01	As Indicated	04/23/2019

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203-333-2066

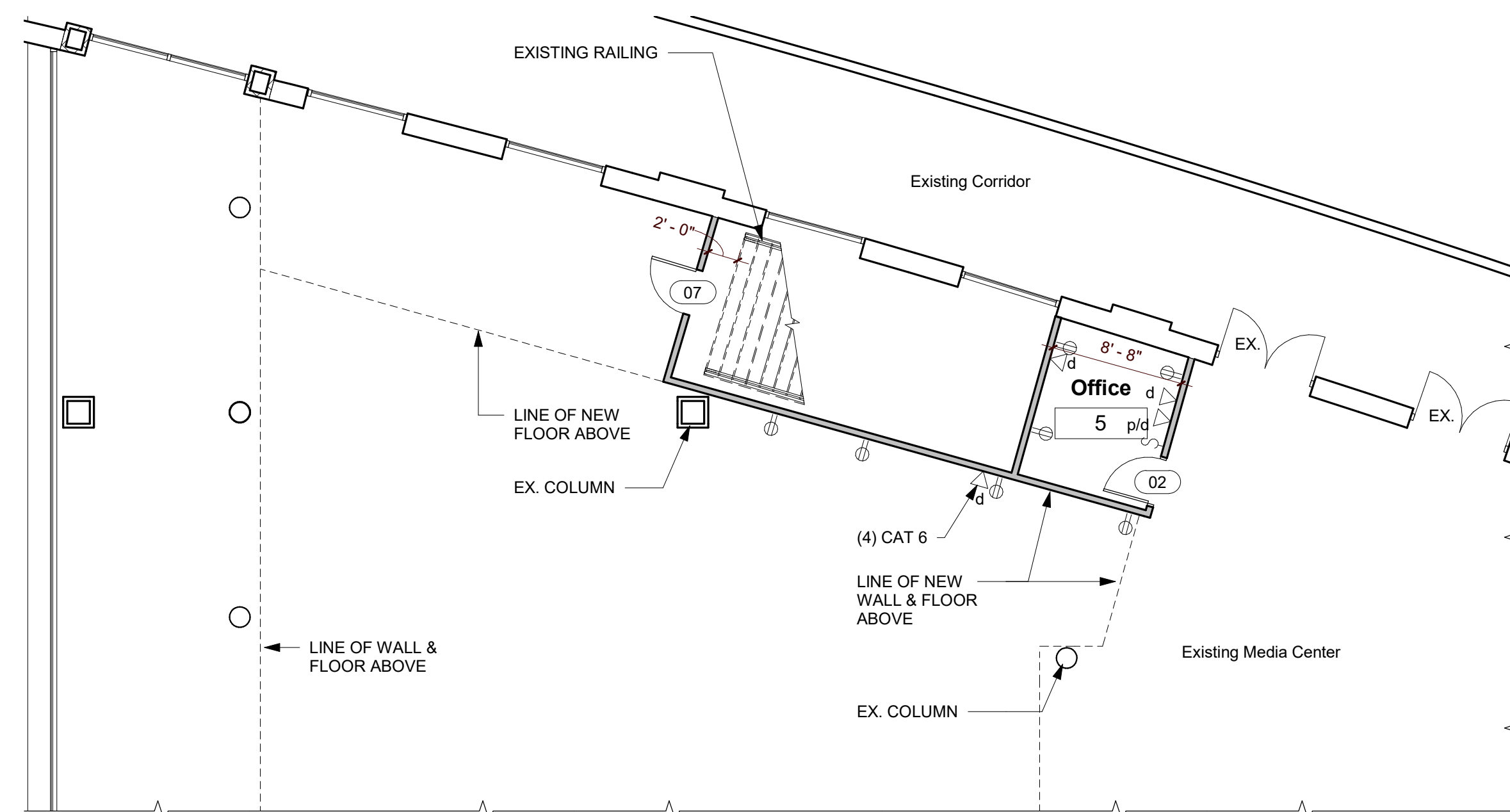
Bedford Middle School  
New Offices  
88 North Ave.,  
Westport, CT 06880

DRAWING No.  
A002

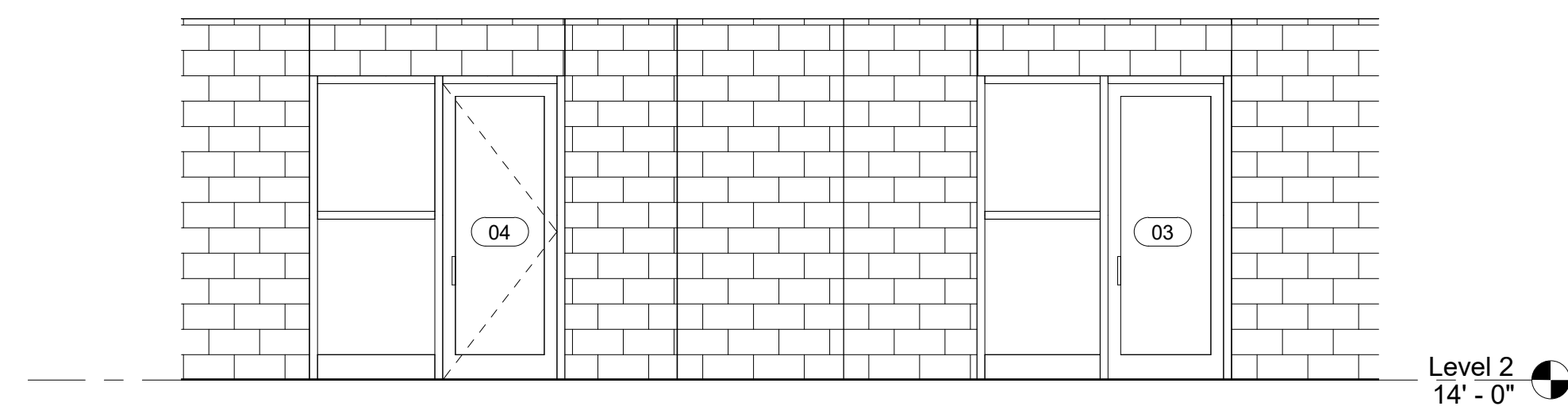




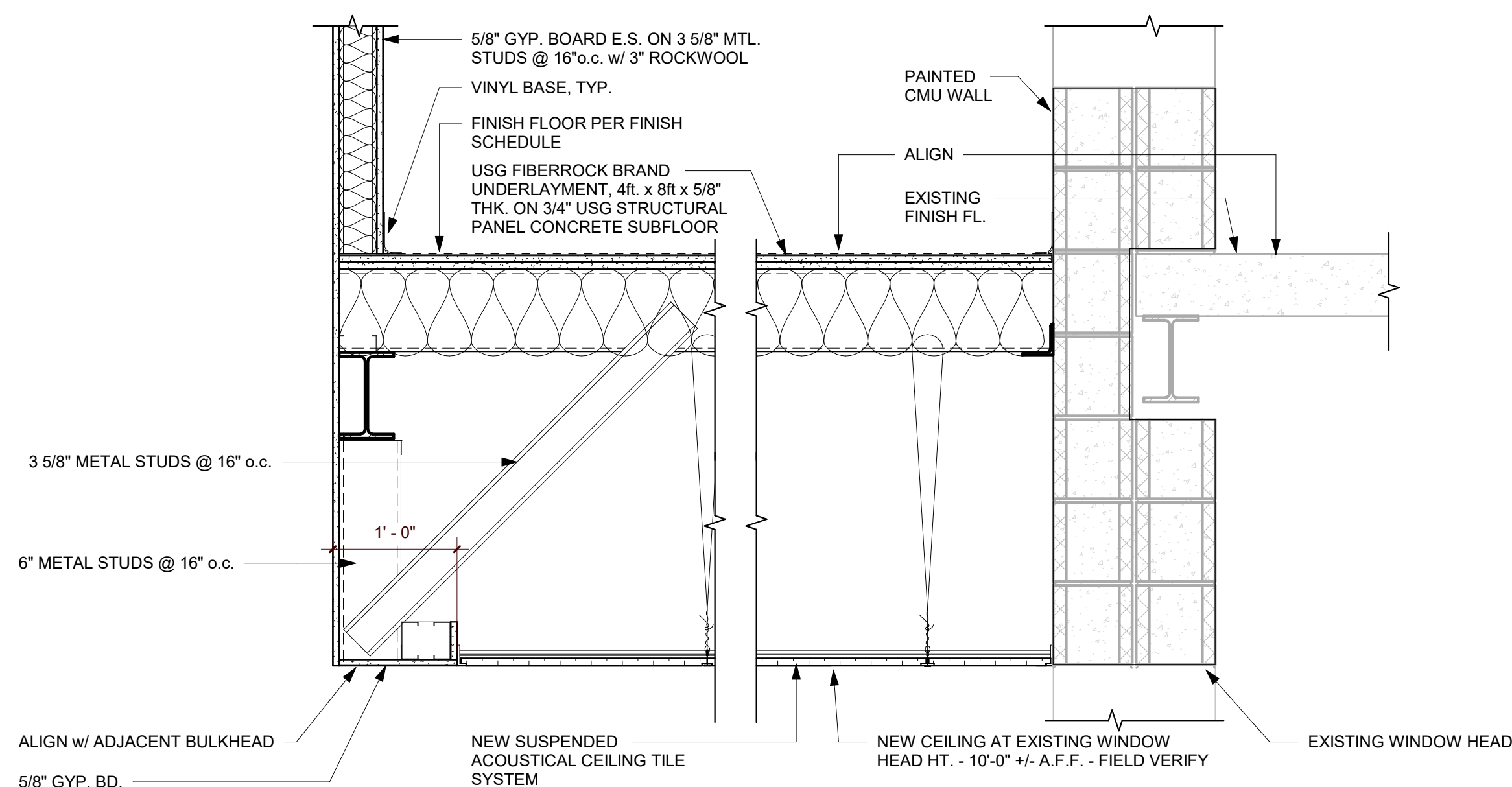
**4 ISO of Media Center Proposed**



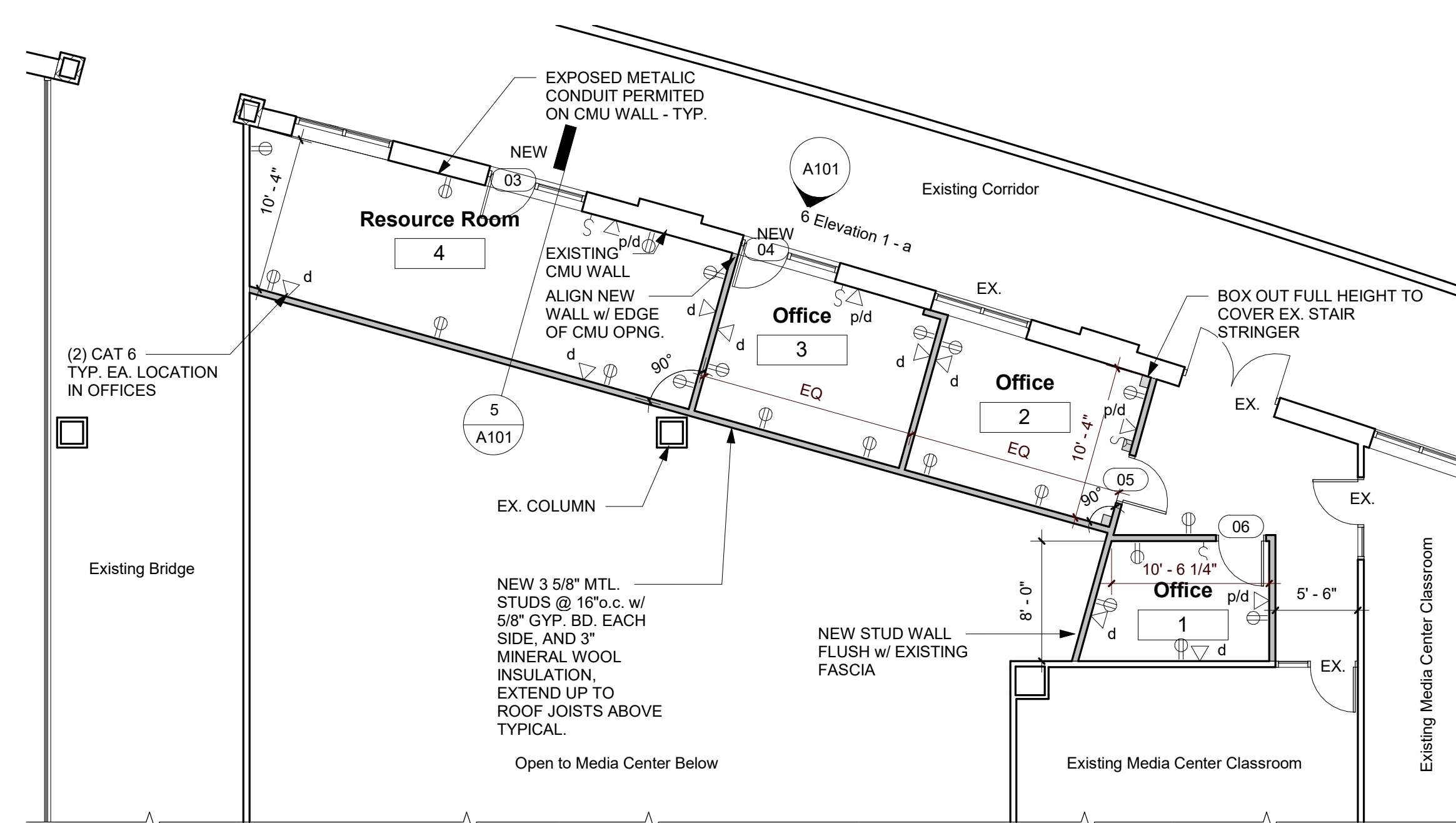
**1 Media Center Lower Level Proposed Plan - Base Bid**



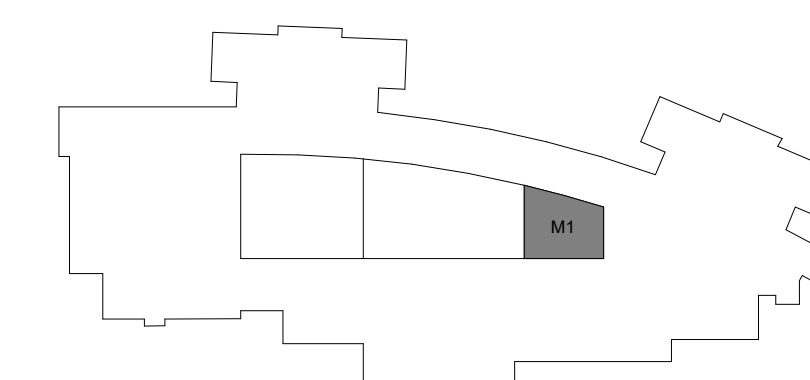
**6** Elevation 1 - a  
A101 | A101  
1/4" = 1'-0"



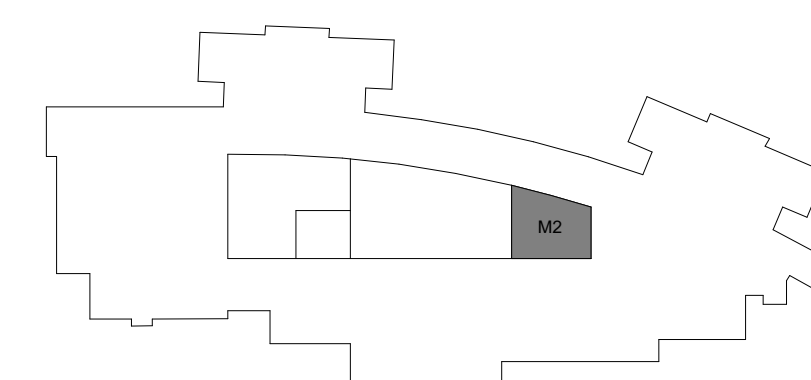
**5 Section**  
A101 | A101 1" = 1'-0"



**2 Media Center Upper Level Proposed Plan - Base Bid**



N  KEY PLAN LOWER LEVEL



**N**  **KEY PLAN UPPER LEVEL**

### GRAPHIC LEGEND

	ROOM NUMBER		REVISION
	DOOR NUMBER		ELEVATION POINT
	INTERIOR ELEVATION		COLUMN GRID LINES
	DETAIL		SECTION
	SHEET FROM SHEET ON		SIGNAGE
	NEW WALL		WALL TYPE
	EXISTING WALL		LIMIT LINE
	WALL TO BE REMOVED		
	DUPLEX 20 AMP RECEPTACLE		
	DUPLEX 20 AMP RECEPTACLE		
	PHONE / DATA JACK		
	DATA JACK		

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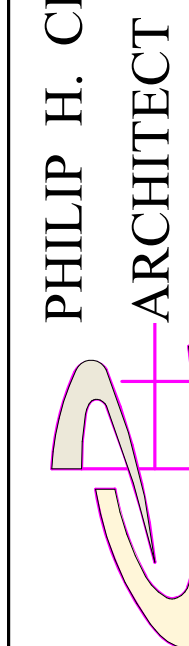
SCALE:  As indicated	Revision Number	Revision Description	Revision Date
DATE			
	04/23/19		
DRAWN BY:			
rem			

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421 Meadow Street  
Fairfield, Connecticut 06824  
203-333-2066

Bedford Middle School

**New Offices**  
88 North Ave.,  
Westport, CT 06880

PROPOSED MEDIA CENTER ALTERATIONS - BASE BID

OS No. 19-17	DRAWING No.  A1
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A101

WESTPORT BOARD OF EDUCATION  
TOWN OF WESTPORT RFP # 19-022-BOE  
FOR BID

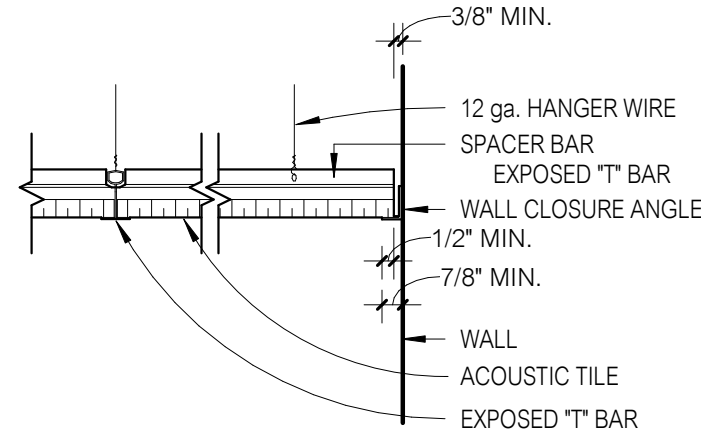


HVAC, PLUMBING, FIRE ALARM & FIRE SPRINKLER SYSTEM

- HVAC, electrical, fire sprinkler and fire alarm systems shall be design build
- Sprinkler shop drawings are to be submitted to and approved by the local Fire Marshal prior to proceeding.
- An NFPA 13 acceptance letter from the fire sprinkler contractor must be submitted to the Town Building Department.
- An NFPA 72 acceptance letter must be submitted to the local Building Department for the fire alarm system.
- All work to be in strict conformance with the CT Building Code, The International Energy Code and the latest edition of ASHRAE.
- Shop drawings, including type, location and manufacture of HVAC equipment and units are to be approved by the Architect and School administration prior to proceeding
- Supply heat and cool as follows:
  - Supply sufficient heating units to heat all areas to 70° F at 0° F outside temperature.
  - Supply sufficient cooling to cool all areas to 70° F at 95° F dry bulb outside temperature; relative humidity to be maintained at 50%.
  - Ventilation and fresh air as required to meet the Building Code, the Energy Code and ASHRAE.
- Hot water piping shall be Type 'L' copper water tube with wrought copper fittings and lead-free solder joints.
- All new supply and return air ductwork shall be constructed of galvanized sheet steel in accordance with ASHRAE, SMACNA and NFPA Standards.
- All diffusers and grills to be with steel with baked on white enamel finish.
- Thermostats are to be new Honeywell 7-day programmable thermostats.
  - New second floor spaces to be on one zone
  - New lower level spaces to be on a separate zone

ELECTRICAL SPECIFICATIONS

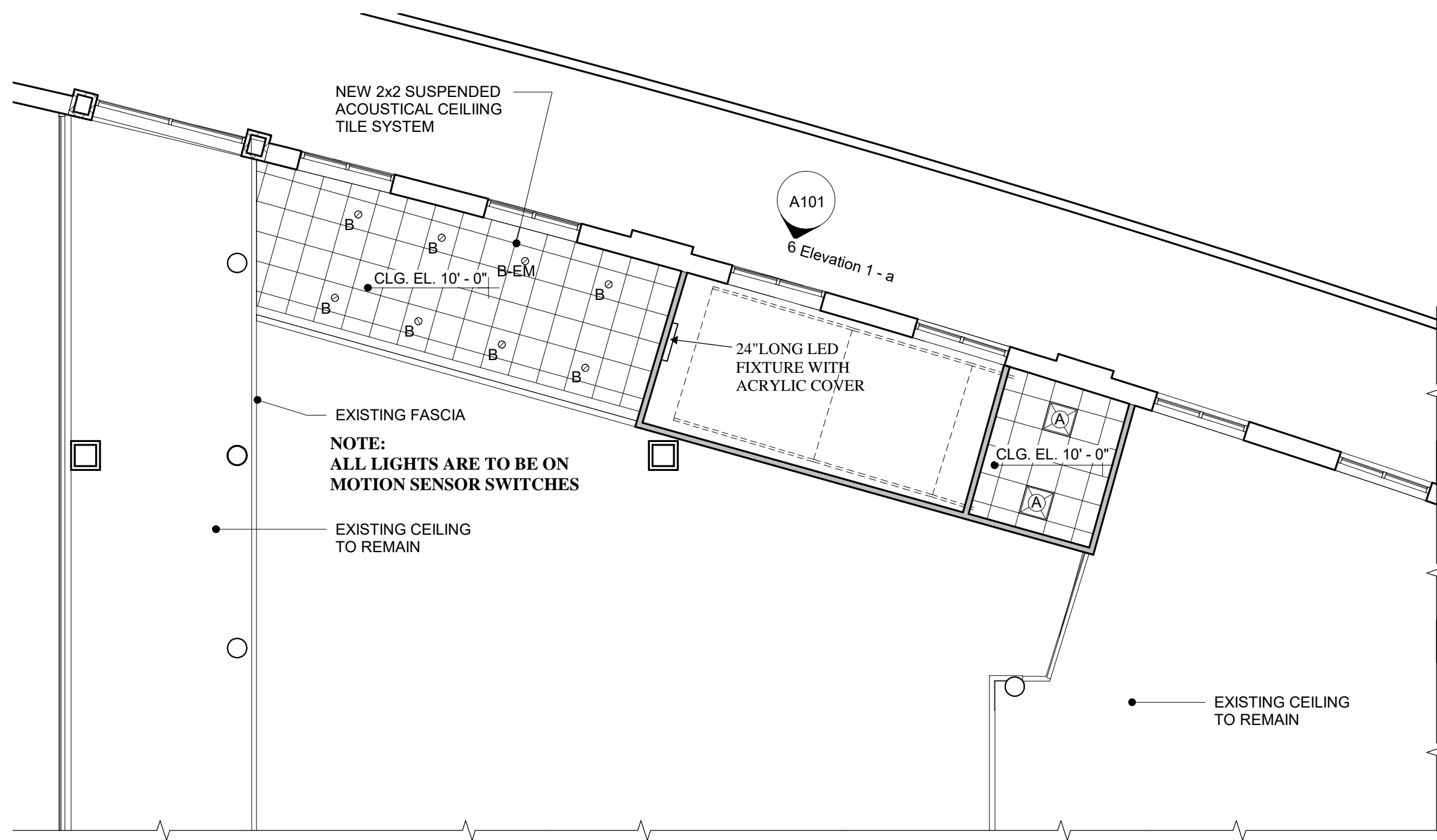
- All work shall be performed in strict conformance with the requirements of the Connecticut basic building code, the Connecticut fire safety code, nfpa, nec and the local building department, and all other agencies having jurisdiction. All material shall be free of defects and shall be UL listed.
- Disconnect, relocate, or remove existing electrical fixtures, receptacles, and switches as required to properly construct the project as indicated on the drawings. Reconnect all existing circuits as required to maintain the proper flow of electricity to all areas of the building.
- All switches & receptacles shall be specification grade, 20 amp minimum, 120 volt. Provide new switches as required to control the new light fixtures. Verify location with the owner prior to proceeding. Color to be selected by the owner.
- Connect all new electrical fixtures, to the existing electrical panel for the respective space.
- The electrical contractor shall obtain all required permits for his work prior to starting work on this project.
- All new wiring shall be shall be copper wire, THW grade 600 volts with armor clad cable. Aluminum wire or non-metallic(romex) wire will not be permitted on this project. Minimum wire size shall be #14 gauge. Home runs shall be minimum #10 gauge where required by code.
- The contractor must visit the site and review the existing conditions prior to submitting a bid for this work.
- All new circuit breakers shall be properly labeled for easy identification at the completion of the project.
- The electrical contractor shall supply all fixtures and lamps unless noted otherwise.
- Ground fault circuit interrupters shall be Leviton standard grade with indicator light. Install as required by the Building Code.
- All receptacle cover plates to be smooth plastic. Gang plates as required.
- Ground fault circuit interrupters shall be Leviton standard grade with indicator light. Install as required by the Building Code.
- Provide code gauge metal pull and junction boxes where required and at each outlet, switch, service or junction of conduits. Use NEMA 3R type with gasketed cover and threaded conduit entrance for all outdoor or wet locations.
- Mounting heights shall be as follows, unless indicated otherwise on plans:
  - Wall receptacles 1'-6" AFF except at counters
  - Switches 4'-0" AFF
  - Telephone & Cable TV Ht to be determined by the Tenant.
- Provide and install all panels, circuit breakers, switches, receptacles, etc., as required properly complete this project.
- Security system work is NOT included in this contract. The contractor must coordinate the work with subcontractor retained by the owner.
- Install Fire Alarm system with AC/DC photo electric smoke detectors as required by the applicable codes and regulations. Fire alarm system to be designed as part of the bid and approved by the local fire marshal prior to proceeding.
- All telephone and data outlets are to be wired with Cat 6 cable. Wire all phones, internet and TV cables to the IT closet.
- Electrical contractor must submit a 90-minute emergency/exit light test report at substantial completion.



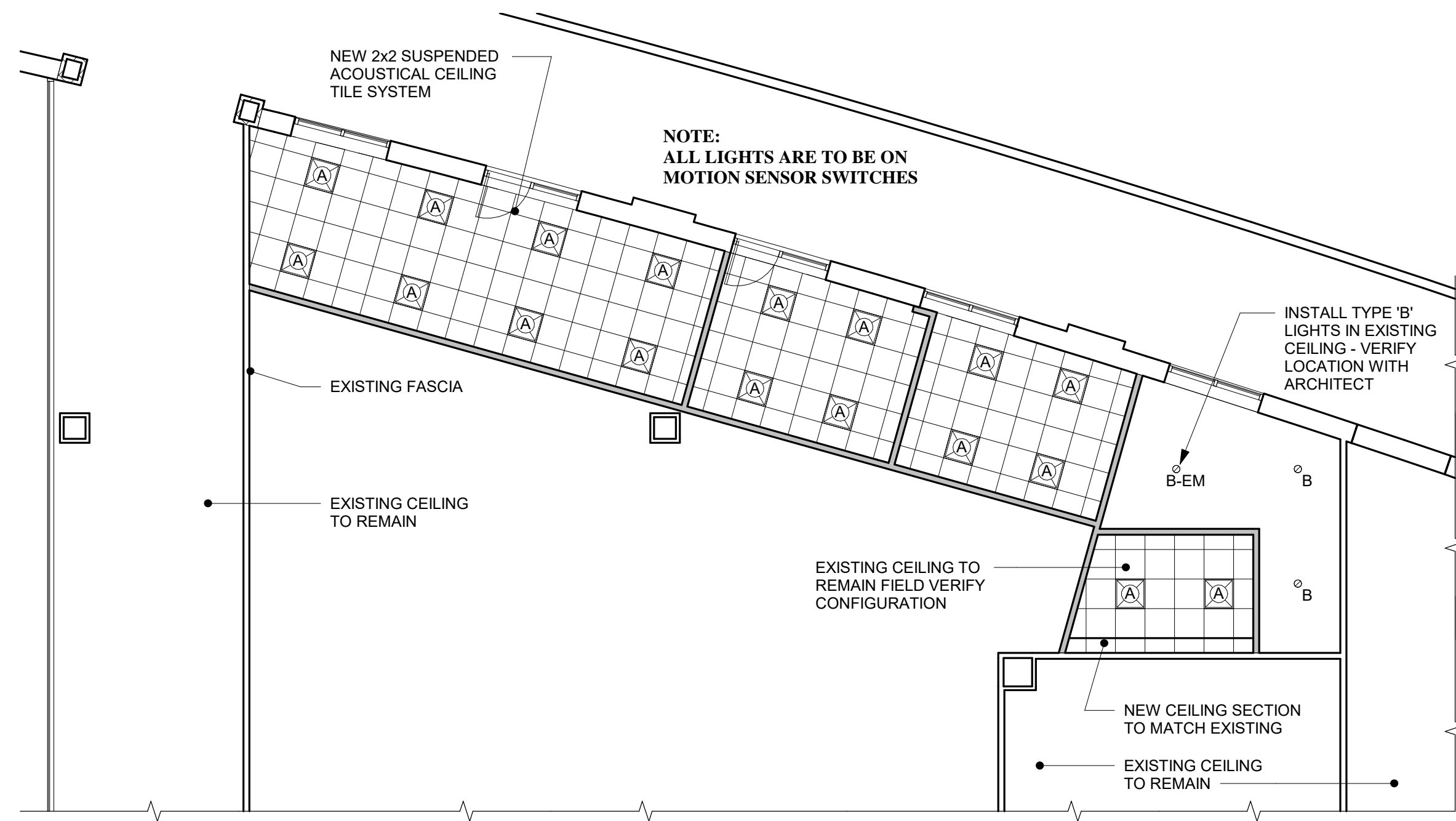
3 TYP. SUSPENDED ACOUSTIC TILE CEILING DETAIL

CEILING LEGEND			
	5/8" GYPSUM BOARD CEILING (TYP. U.N.O.)		EXHAUST FAN
	2' x 4' SUSPENDED ACOUSTICAL TILE CEILING		SUPPLY AIR DIFFUSER
	2' x 2' SUSPENDED ACOUSTICAL TILE CEILING		RETURN AIR OR EXHAUST FAN REGISTER
	2' x 4' RECESSED FLUORESCENT LIGHTING FIXTURE w/ PRISMATIC ACRYLIC DIFFUSER		OCCUPANCY SENSOR
	2' x 2' RECESSED FLUORESCENT LIGHTING FIXTURE w/ PRISMATIC ACRYLIC DIFFUSER		2' x 2' RECESSED FLUORESCENT LIGHTING FIXTURE DIRECT / INDIRECT TYPE (DENOTES ORIENTATION OF DIFFUSER)
	1' x 4' RECESSED FLUORESCENT LIGHTING FIXTURE w/ PRISMATIC ACRYLIC DIFFUSER		
	SURFACED MOUNTED FLUORESCENT LIGHTING FIXTURE		SURFACED MOUNTED LIGHT
	ILLUMINATED EXIT SIGN		SINGLE POLE SWITCH
	EMERGENCY LIGHT		THREE WAY SWITCH
	EXHAUST FAN WITH DUCT TO EXTERIOR CAP		EMERGENCY SHUT-OFF SWITCH
	EMERGENCY SHUT-OFF SWITCH HVAC UNIT		MOTION SENSOR CONTROL

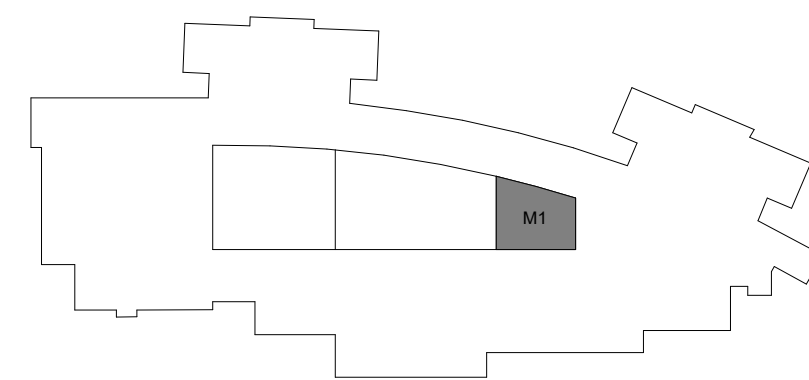
LIGHTING FIXTURE SCHEDULE			
TYPE	MANUFACTURER	MODEL	BULB/REMARKS
A	Lithonia	2BLT2-40L-SDSM-120-LP830	LED-4000 Lumens
A-EM	Lithonia	2BLT2-40L-SDSM-120-LP830	LED 4000 Lumens; On Generator
B	Lithonia	LDN6-35-30-L06-AR-LD-GZ10	LED-2000 Lumens
B-EM	Lithonia	LDN6-35-30-L06-AR-LD-GZ10	LED 2000 Lumens; On Generator



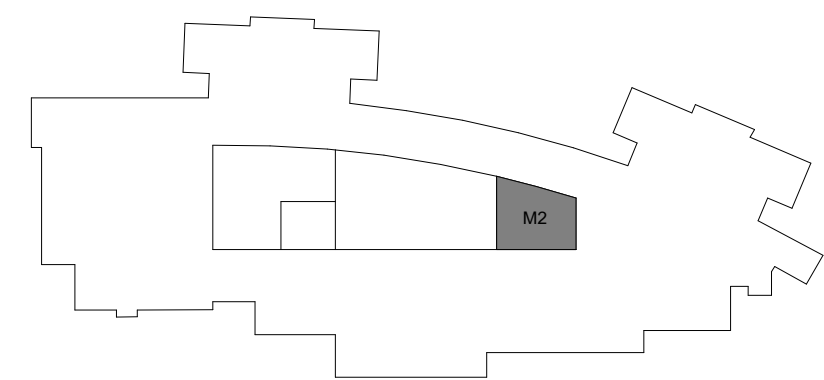
1 Media Center Lower Level Proposed Reflected Ceiling Plan - Base Bid



2 Media Center Upper Level Proposed Reflected Ceiling Plan - Base Bid



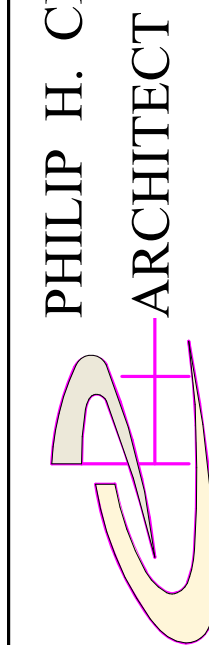
KEY PLAN LOWER LEVEL



KEY PLAN UPPER LEVEL

WESTPORT BOARD OF EDUCATION  
TOWN OF WESTPORT RFP # 19-022-BOE  
FOR BID

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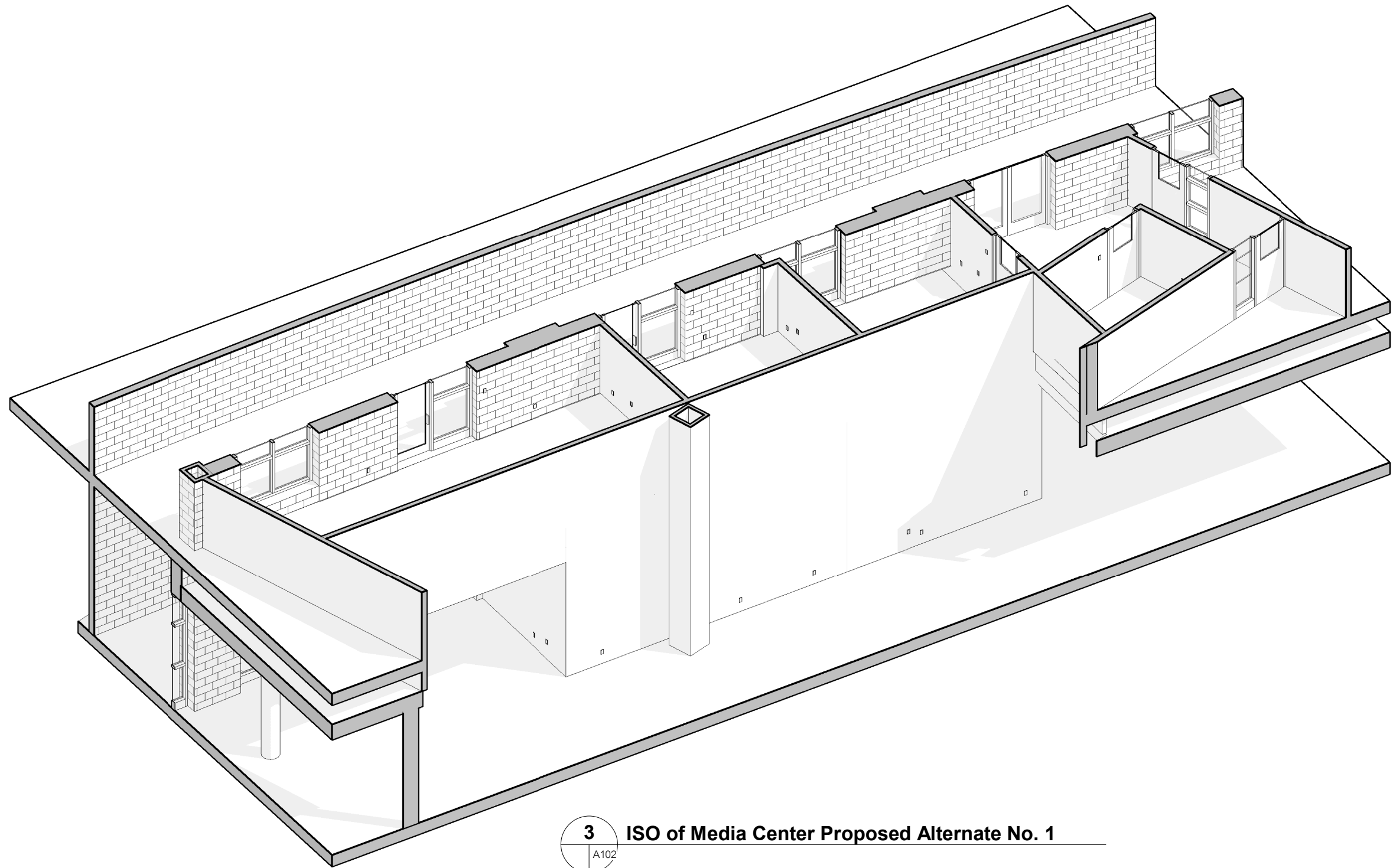
421 Meadow Street  
Fairfield, Connecticut 06424  
203-333-2066

Bedford Middle School  
New Offices  
88 North Ave.,  
Westport, CT 06880

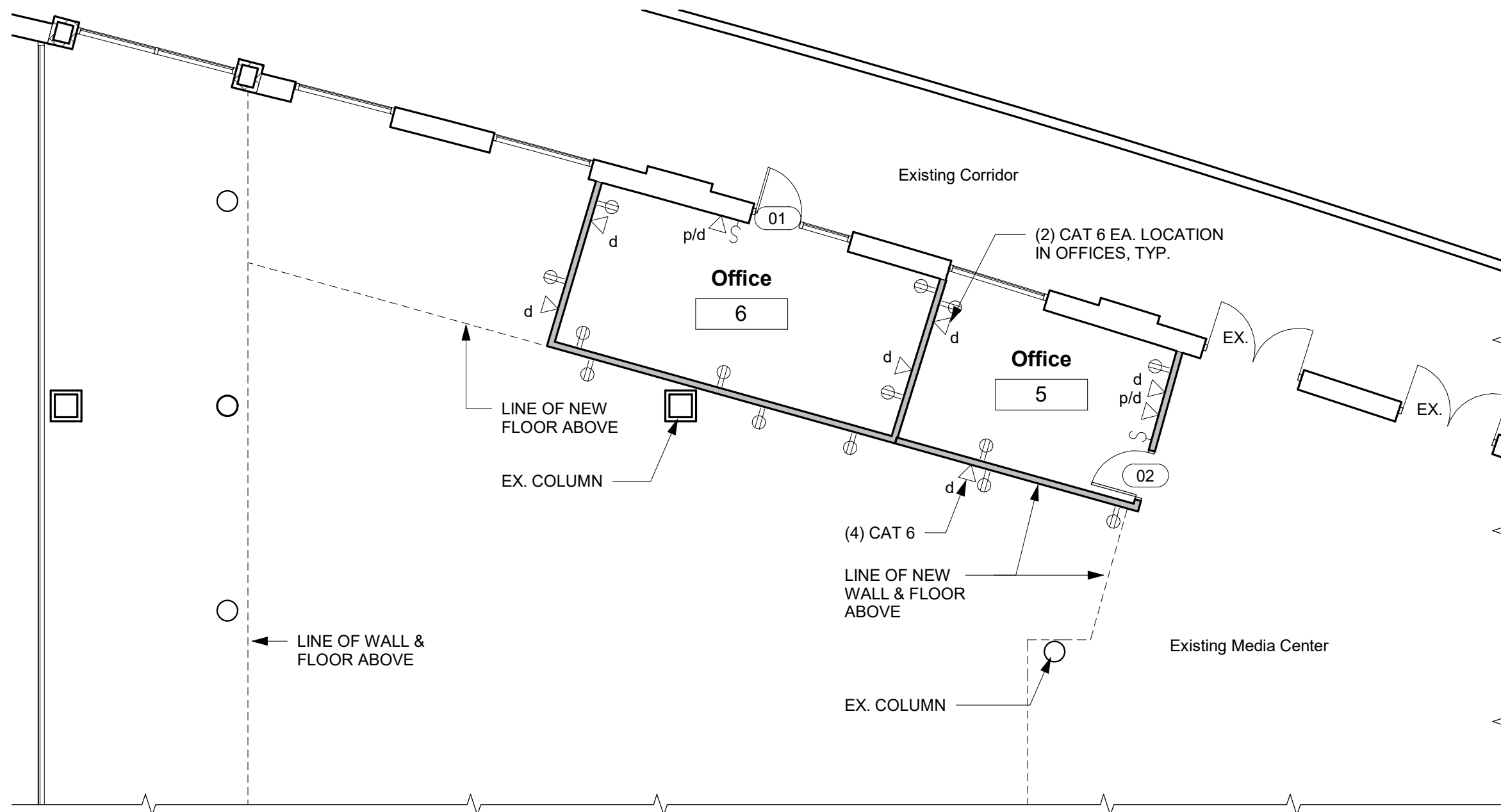
Proposed Media Center Reflected Ceiling Plan  
Alterations - Base Bid

19-17  
A101a





3 ISO of Media Center Proposed Alternate No. 1



1 Media Center Lower Level Proposed Plan - Alternate No. 1  
1/8" = 1'-0"

FINISH SCHEDULE						
No.	ROOM NAME	FLOOR TYPE	BASE	WALLS	CEILINGS	
		Carpet Tile to match the existing Media Cntr				
		VCT	Existing	Vinyl	Gypsum bd painted	CMU painted
						Suspended Inverted Tee grid
	Office 5	X		X	X	X
	Office 6	X		X	X	X
	Office 1	X		X	X	X
	Office 2	X		X	X	X
	Office 3	X		X	X	X
	Resource Room	X		X	X	X
	Common Area		X	X	X	X

## GRAPHIC LEGEND

- 101

ROOM NUMBER
- 101

DOOR NUMBER
- 1  
4  
A5.01  
3

INTERIOR ELEVATION
- 1  
SHEET FROM  
SHEET ON

DETAIL
- NEW WALL

NEW WALL
- EXISTING WALL

EXISTING WALL
- WALL TO BE REMOVED

WALL TO BE REMOVED
- DUPLEX 20 AMP RECEPTACLE

DUPLEX 20 AMP RECEPTACLE
- DUPLEX 20 AMP RECEPTACLE

DUPLEX 20 AMP RECEPTACLE
- PHONE / DATA JACK

PHONE / DATA JACK
- DATA JACK

DATA JACK

REVISION

REVISION

ELEVATION POINT

ELEVATION POINT

COLUMN GRID LINES

COLUMN GRID LINES

SECTION

SECTION

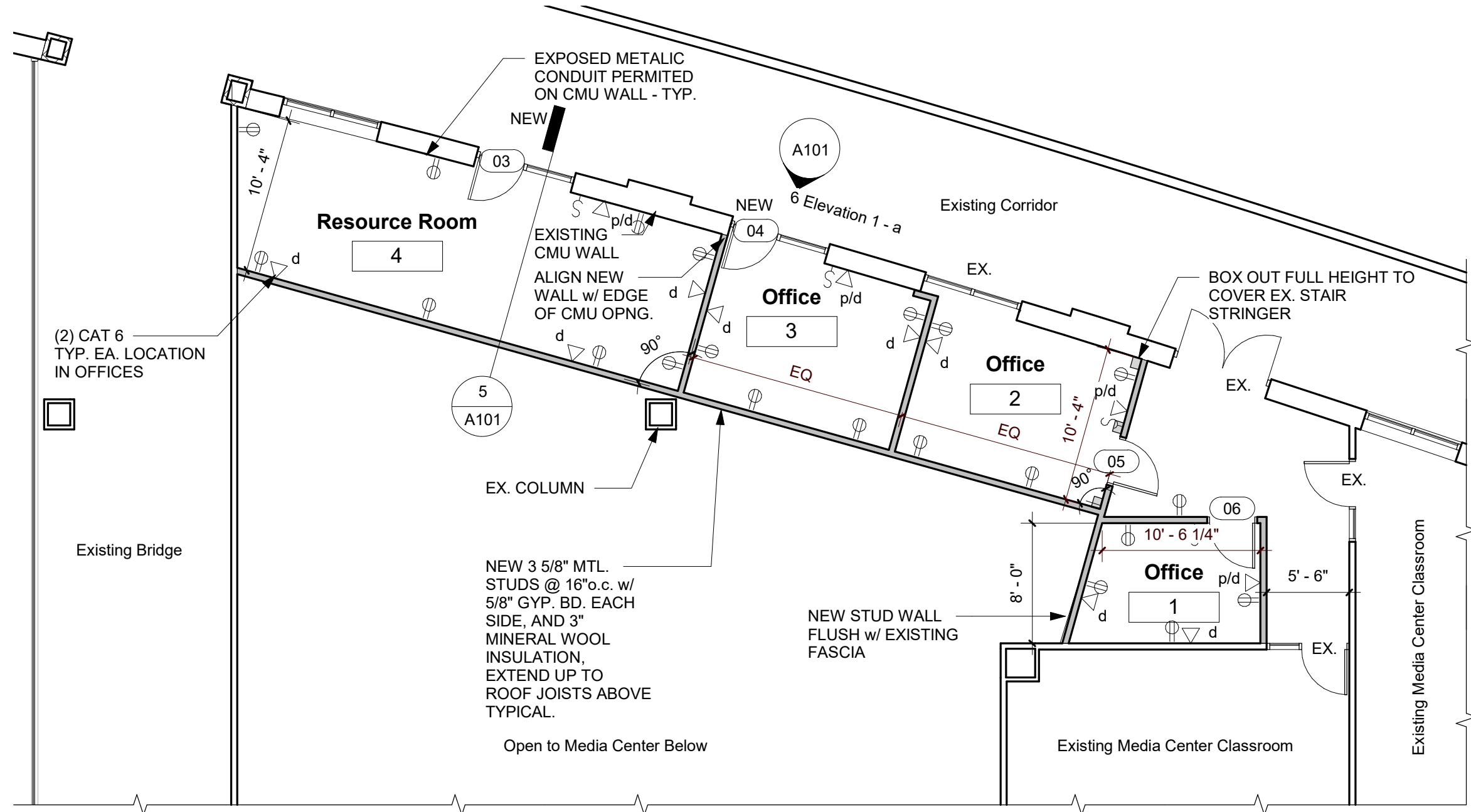
SIGNAGE

SIGNAGE

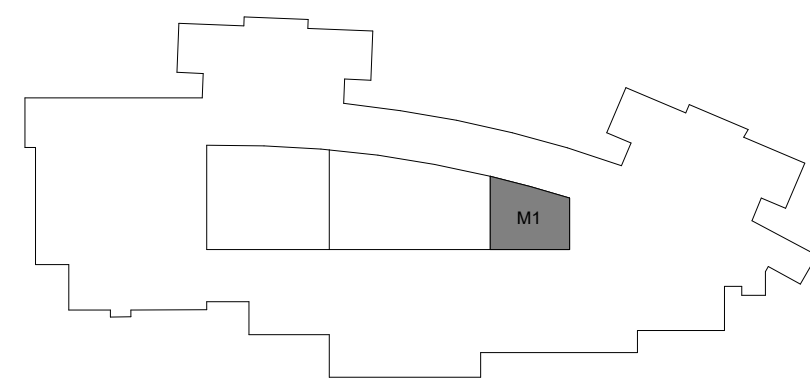
WALL TYPE

WALL TYPE

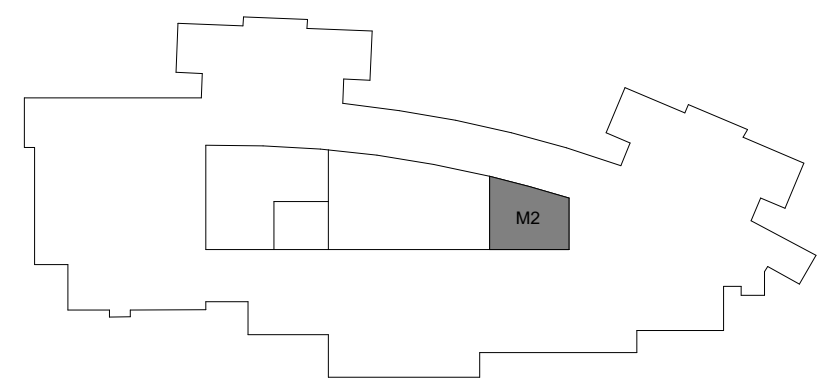
LIMIT LINE

LIMIT LINE

2 Media Center Upper Level Proposed Plan - Alternate No. 1  
1/8" = 1'-0"



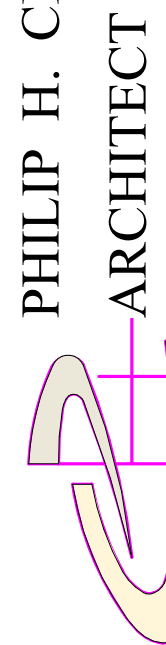
KEY PLAN LOWER LEVEL



KEY PLAN UPPER LEVEL

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Bedford Middle School

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88 North Ave.,  
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Proposed Media Center Alterations - Alternate No. 1

19-17

A102

WESTPORT BOARD OF EDUCATION  
TOWN OF WESTPORT RFP # 19-022-BOE  
FOR BID



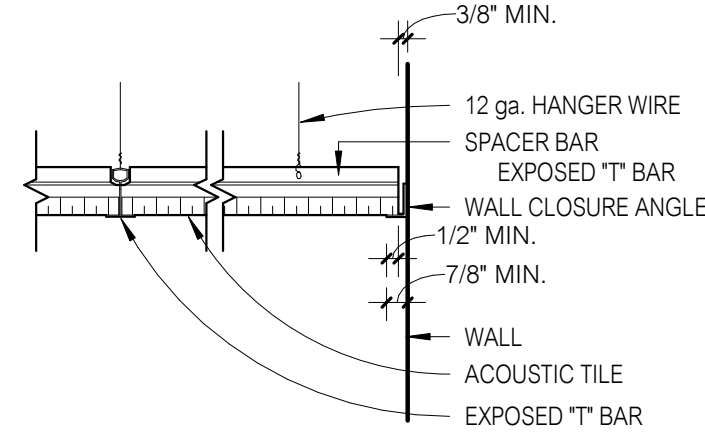
HVAC, PLUMBING, FIRE ALARM & FIRE SPRINKLER SYSTEM

- HVAC, electrical, fire sprinkler and fire alarm systems shall be design build
- Sprinkler shop drawings are to be submitted to and approved by the local Fire Marshal prior to proceeding.
- An NFPA 13 acceptance letter from the fire sprinkler contractor must be submitted to the Town Building Department.
- An NFPA 72 acceptance letter must be submitted to the local Building Department for the fire alarm system.
- All work to be in strict conformance with the CT Building Code, The International Energy Code and the latest edition of ASHRAE.
- Shop drawings, including type, location and manufacture of HVAC equipment and units are to be approved by the Architect and School administration prior to proceeding
- Supply heat and cool as follows:
  - Supply sufficient heating units to heat all areas to 70° F at 0° F outside temperature.
  - Supply sufficient cooling to cool all areas to 70° F at 95° F dry bulb outside temperature; relative humidity to be maintained at 50%.
  - Ventilation and fresh air as required to meet the Building Code, the Energy Code and ASHRAE.
- Hot water piping shall be Type 'L' copper water tube with wrought copper fittings and lead-free solder joints.
- All new supply and return air ductwork shall be constructed of galvanized sheet steel in accordance with ASHRAE, SMACNA and NFPA Standards.
- All diffusers and grills to be with steel with baked on white enamel finish.
- Thermostats are to be new Honeywell 7-day programmable thermostats.
  - New second floor spaces to be on one zone
  - New lower level spaces to be on a separate zone

ELECTRICAL SPECIFICATIONS

- All work shall be performed in strict conformance with the requirements of the Connecticut basic building code, the Connecticut fire safety code, nfpa, nec and the local building department, and all other agencies having jurisdiction. All material shall be free of defects and shall be UL listed.
- Disconnect, relocate, or remove existing electrical fixtures, receptacles, and switches as required to properly construct the project as indicated on the drawings. Reconnect all existing circuits as required to maintain the proper flow of electricity to all areas of the building.
- All switches & receptacles shall be specification grade, 20 amp minimum, 120 volt. Provide new switches as required to control the new light fixtures. Verify location with the owner prior to proceeding. Color to be selected by the owner.
- Connect all new electrical fixtures, to the existing electrical panel for the respective space.
- The electrical contractor shall obtain all required permits for his work prior to starting work on this project.
- All new wiring shall be shall be copper wire, THW grade 600 volts with armor clad cable. Aluminum wire or non-metallic(romex) wire will not be permitted on this project. Minimum wire size shall be #14 gauge. Home runs shall be minimum #10 gauge where required by code.
- The contractor must visit the site and review the existing conditions prior to submitting a bid for this work.
- All new circuit breakers shall be properly labeled for easy identification at the completion of the project.
- The electrical contractor shall supply all fixtures and lamps unless noted otherwise.
- Ground fault circuit interrupters shall be Leviton standard grade with indicator light. Install as required by the Building Code.
- All receptacle cover plates to be smooth plastic. Gang plates as required.
- Ground fault circuit interrupters shall be Leviton standard grade with indicator light. Install as required by the Building Code.
- Provide code gauge metal pull and junction boxes where required and at each outlet, switch, service or junction of conduits. Use NEMA 3R type with gasketed cover and threaded conduit entrance for all outdoor or wet locations.
- Mounting heights shall be as follows, unless indicated otherwise on plans:

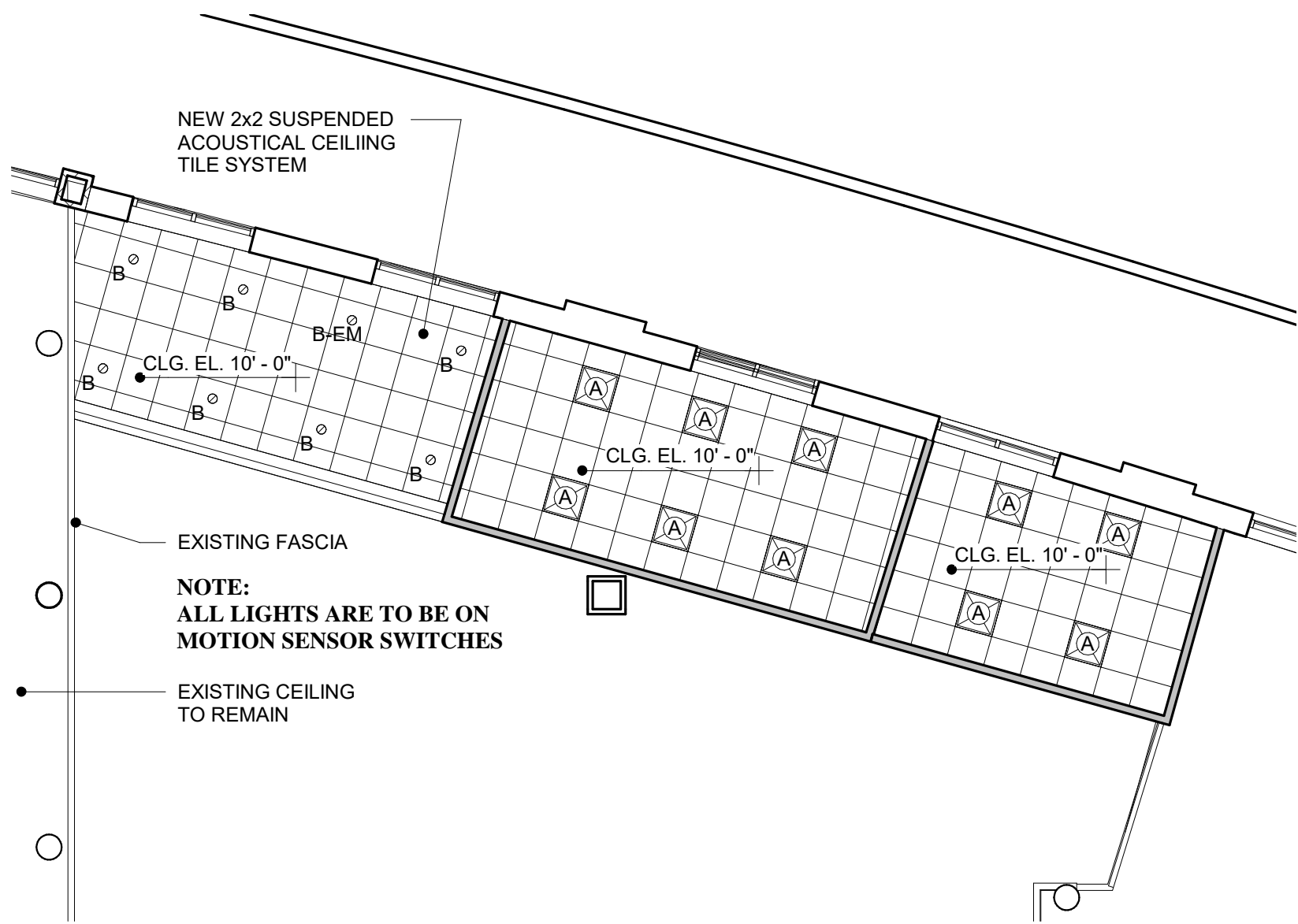
Wall receptacles	1'-6" AFF except at counters
Switches	4'-0" AFF
Telephone & Cable TV	Ht to be determined by the Tenant.
- Provide and install all panels, circuit breakers, switches, receptacles, etc., as required properly complete this project.
- Security system work is NOT included in this contract. The contractor must coordinate the work with subcontractor retained by the owner.
- Install Fire Alarm system with AC/DC photo electric smoke detectors as required by the applicable codes and regulations. Fire alarm system to be designed as part of the bid and approved by the local fire marshal prior to proceeding.
- All telephone and data outlets are to be wired with Cat 6 cable; Wire all phones, internet and TV cables to the IT closet.
- Electrical contractor must submit a 90-minute emergency/exit light test report at substantial completion.



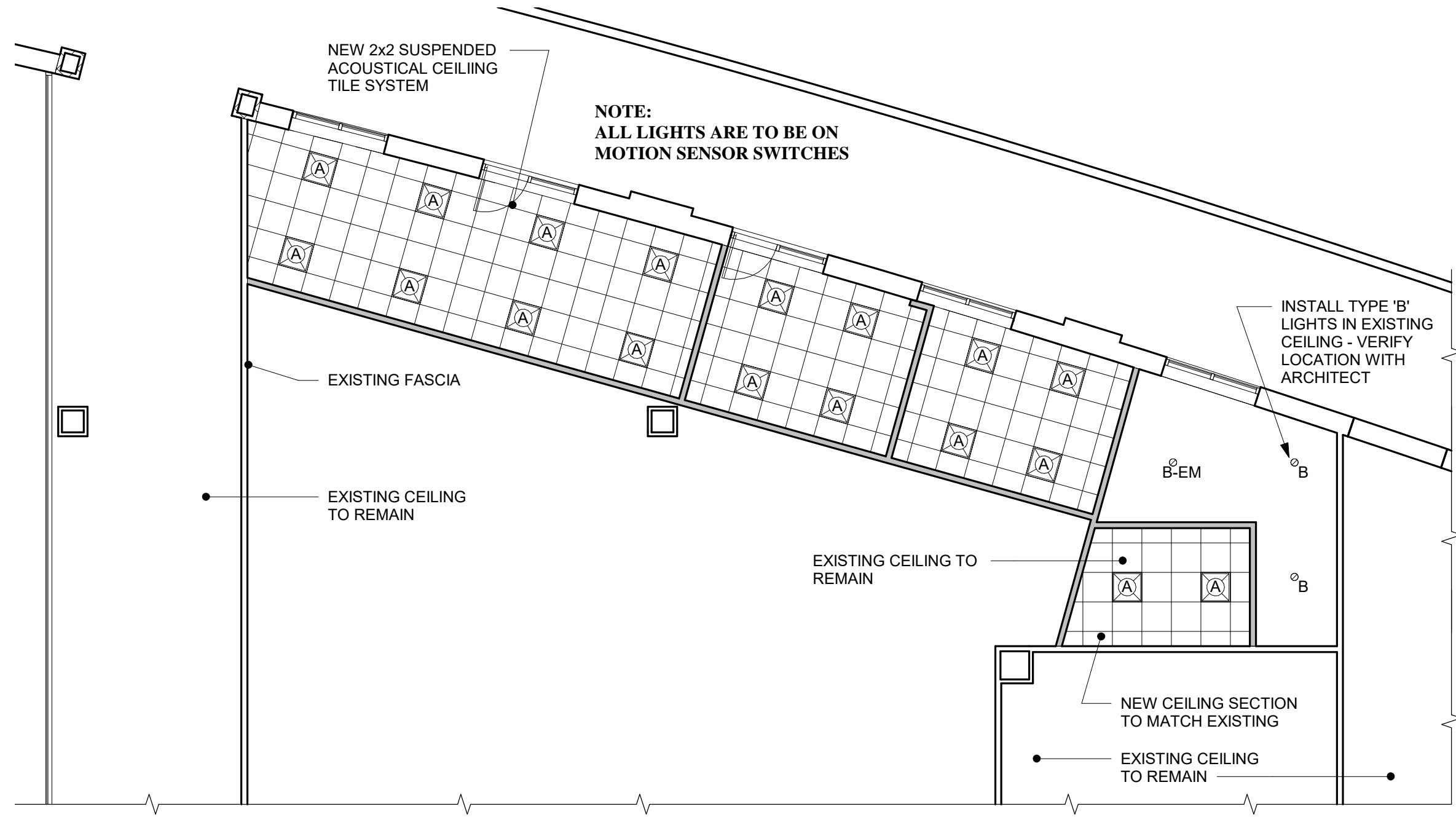
3 TYPICAL SUSPENDED ACOUSTIC TILE CEILING DETAIL  
A102b 1 1/2" = 1'-0"

CEILING LEGEND			
	5/8" GYPSUM BOARD CEILING (TYP. U.N.O.)		EXHAUST FAN
	2' x 4' SUSPENDED ACOUSTICAL TILE CEILING		SUPPLY AIR DIFFUSER
	2' x 2' SUSPENDED ACOUSTICAL TILE CEILING		RETURN AIR OR EXHAUST FAN REGISTER
	2' x 4' RECESSED FLUORESCENT LIGHTING FIXTURE w/ PRISMATIC ACRYLIC DIFFUSER		OCCUPANCY SENSOR
	2' x 2' RECESSED FLUORESCENT LIGHTING FIXTURE w/ PRISMATIC ACRYLIC DIFFUSER		2' x 2' RECESSED FLUORESCENT LIGHTING FIXTURE DIRECT / INDIRECT TYPE (DENOTES ORIENTATION OF DIFFUSER)
	1' x 4' RECESSED FLUORESCENT LIGHTING FIXTURE w/ PRISMATIC ACRYLIC DIFFUSER		SURFACED MOUNTED LIGHT
	SURFACED MOUNTED FLUORESCENT LIGHTING FIXTURE		SINGLE POLE SWITCH
	ILLUMINATED EXIT SIGN		THREE WAY SWITCH
	EMERGENCY LIGHT		EMERGENCY SHUT-OFF SWITCH
	EXHAUST FAN WITH DUCT TO EXTERIOR CAP		EMERGENCY SHUT-OFF SWITCH HVAC UNIT
	EMERGENCY SHUT-OFF SWITCH HVAC UNIT		MOTION SENSOR CONTROL

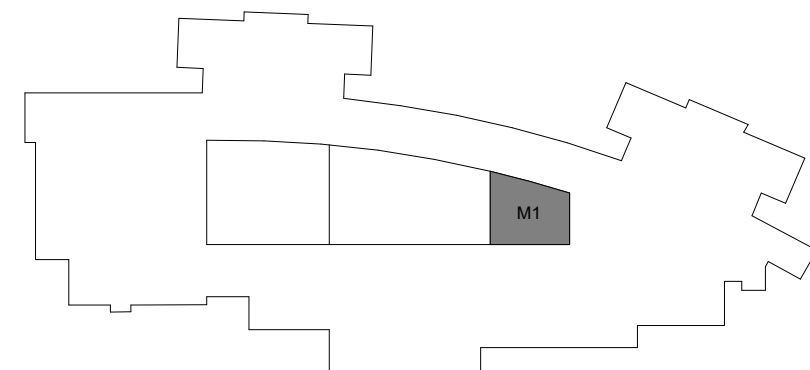
LIGHTING FIXTURE SCHEDULE			
TYPE	MANUFACTURER	MODEL	BULB/REMARKS
A	Lithonia	2BLT2-40L-SDSM-120-LP830	LED-4000 Lumens
A-EM	Lithonia	2BLT2-40L-SDSM-120-LP830	LED 4000 Lumens; On Generator
B	Lithonia	LDN6-35-30-L06-AR-LD-GZ10	LED-2000 Lumens
B-EM	Lithonia	LDN6-35-30-L06-AR-LD-GZ10	LED 2000 Lumens; On Generator



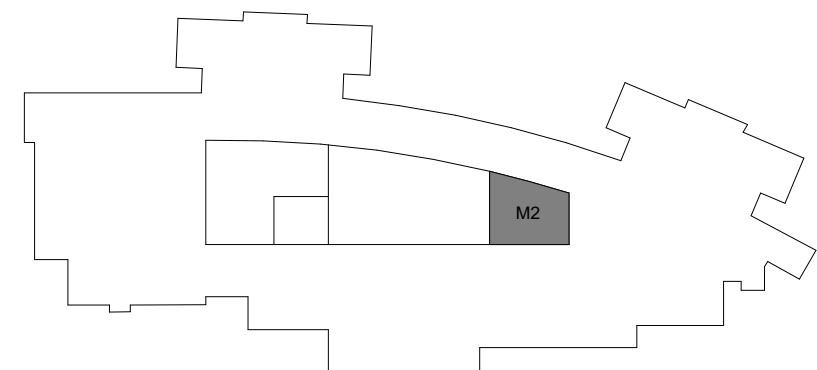
1 Media Center L. Level Proposed Reflected Ceiling Plan - Alternate No. 1  
A102b 1/8" = 1'-0"



2 Media Center Up. Level Proposed Reflected Ceiling Plan - Alternate No. 1  
A101 A102b 1/8" = 1'-0"



KEY PLAN LOWER LEVEL



KEY PLAN UPPER LEVEL

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Revision Number

Revision Description

Revision Date

SCALE  
As indicated

DATE

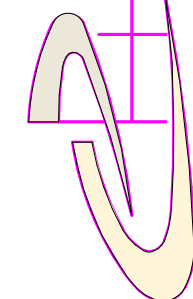
04/23/19

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PHILIP H. CERRONE III, AIA, NCARB

ARCHITECT



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203-333-2066

Bedford Middle School

New Offices

88 North Ave.,  
Westport, CT 06880

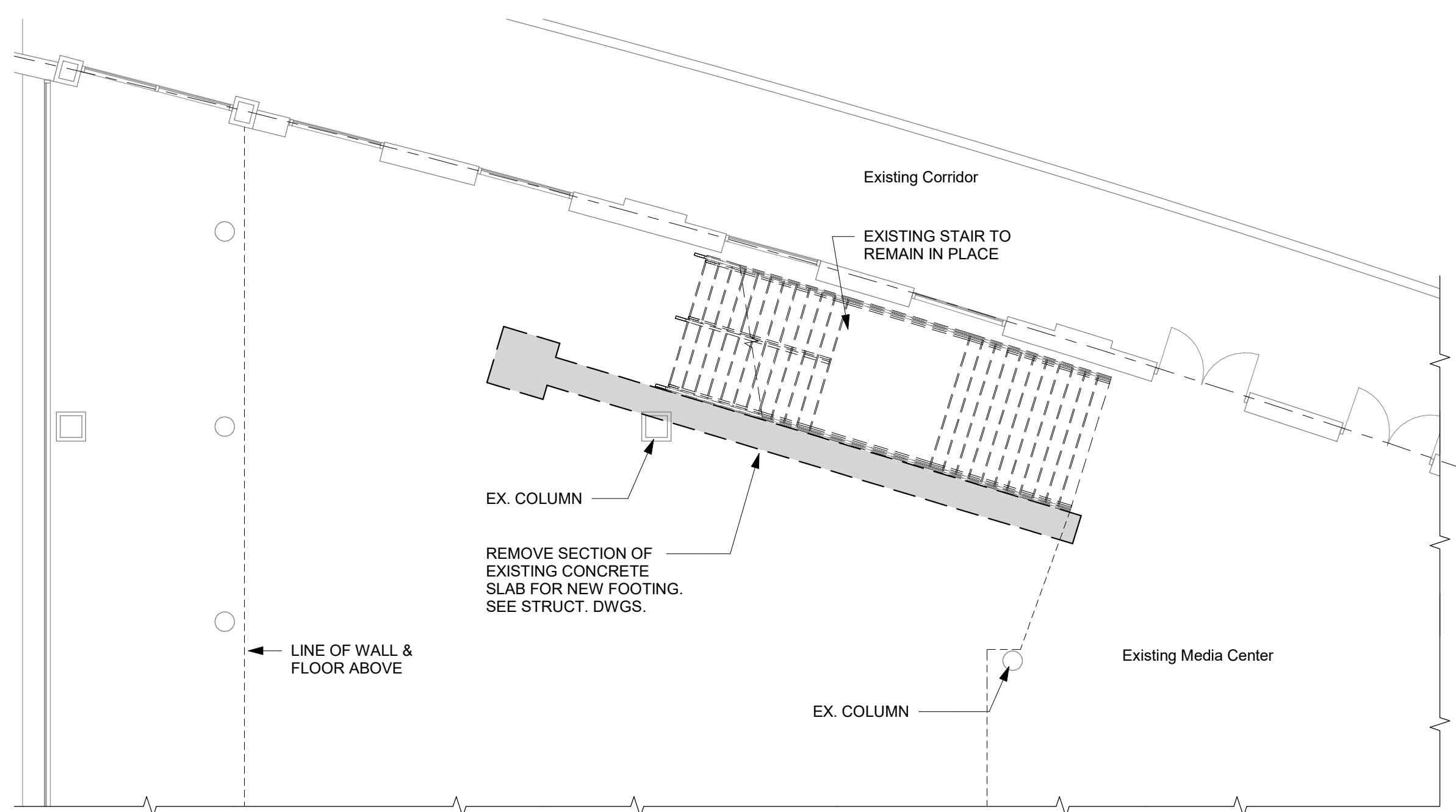
Proposed Media Center Reflected Ceiling Plan  
Alterations - Alternate No. 1

19-17

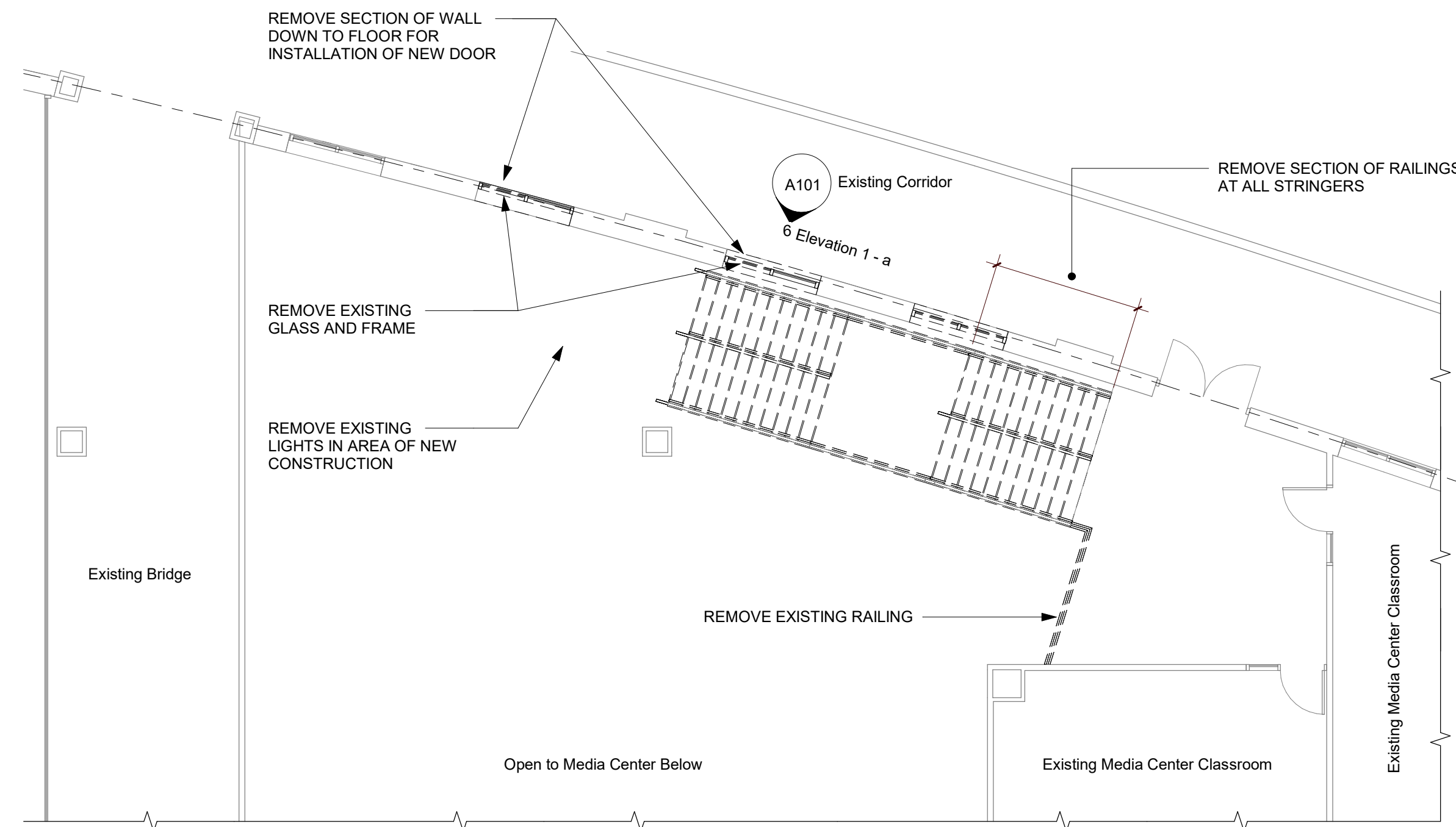
DRAWING No.

A102b

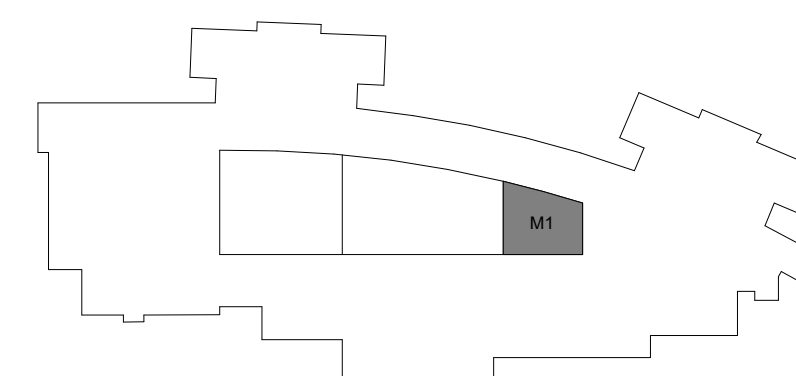
WESTPORT BOARD OF EDUCATION  
TOWN OF WESTPORT RFP # 19-022-BOE  
FOR BID



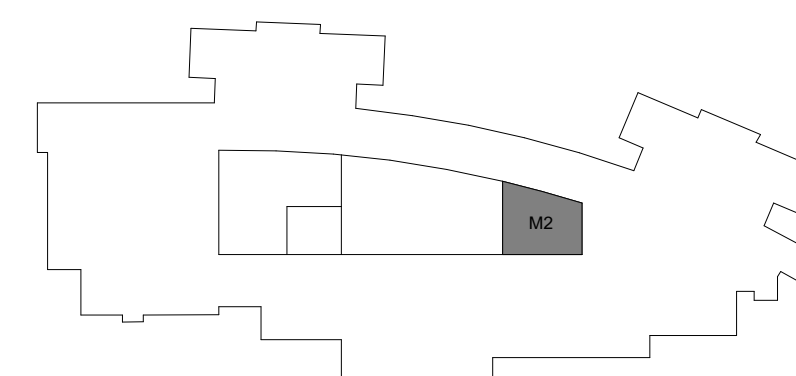
**1 Demo Plan - Media Center Lower Level**  
1/8" = 1'-0"



**2 Demo Plan - Media Center Upper Level**  
1/8" = 1'-0"



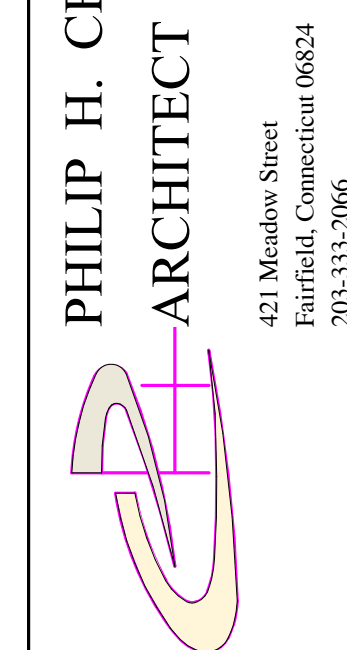
**KEY PLAN LOWER LEVEL**



**KEY PLAN UPPER LEVEL**

WESTPORT BOARD OF EDUCATION  
TOWN OF WESTPORT RFP # 19-022-BOE  
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Demolition Plans - Base Bid

19-17

D101

DRAWING No.

SHEET TITLE

SCALE  
1/8" = 1'-0"  
DATE  
04/23/19  
DRAWN BY  
rem

Revision Number

Revision Description

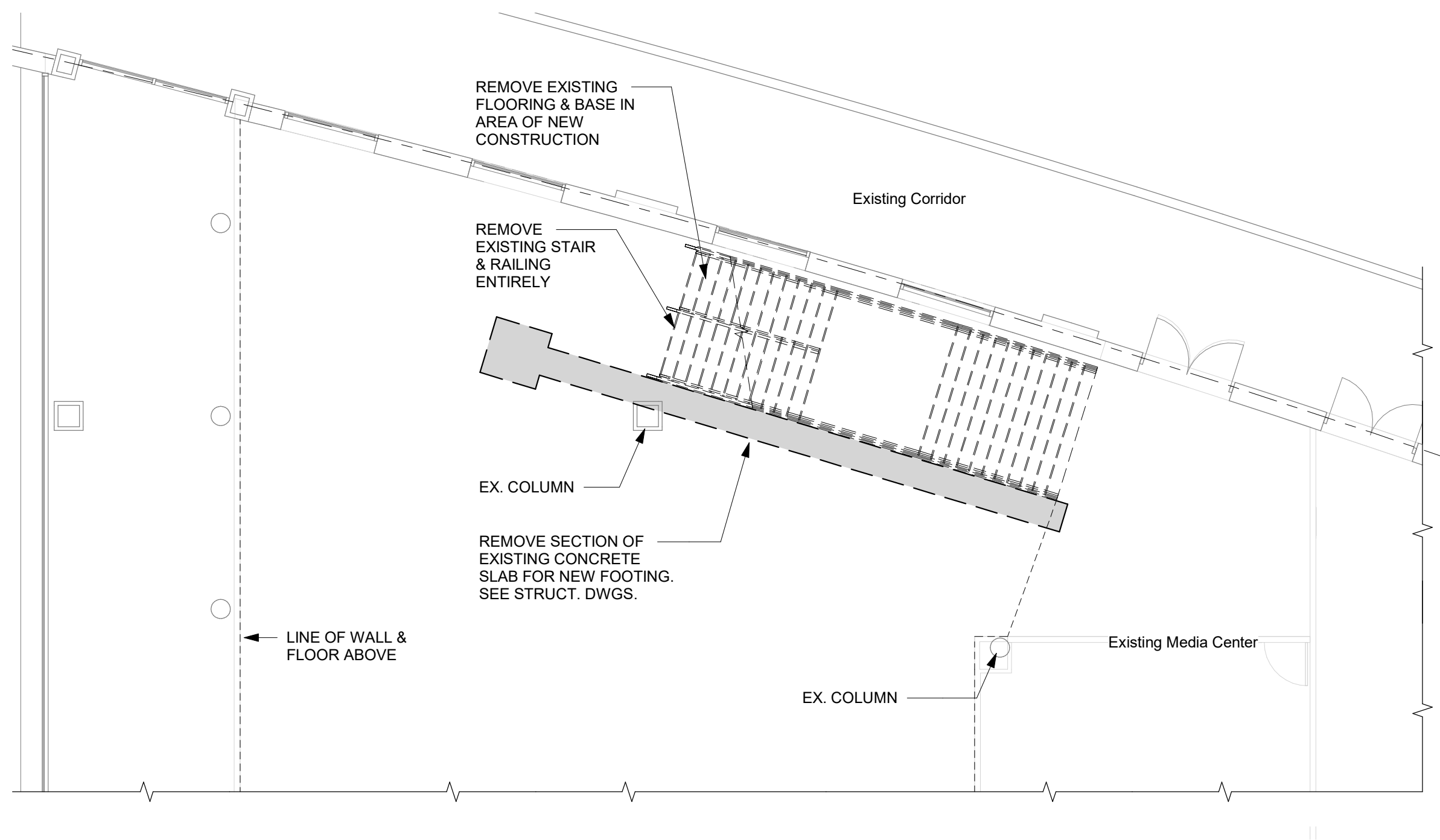
Revision Date

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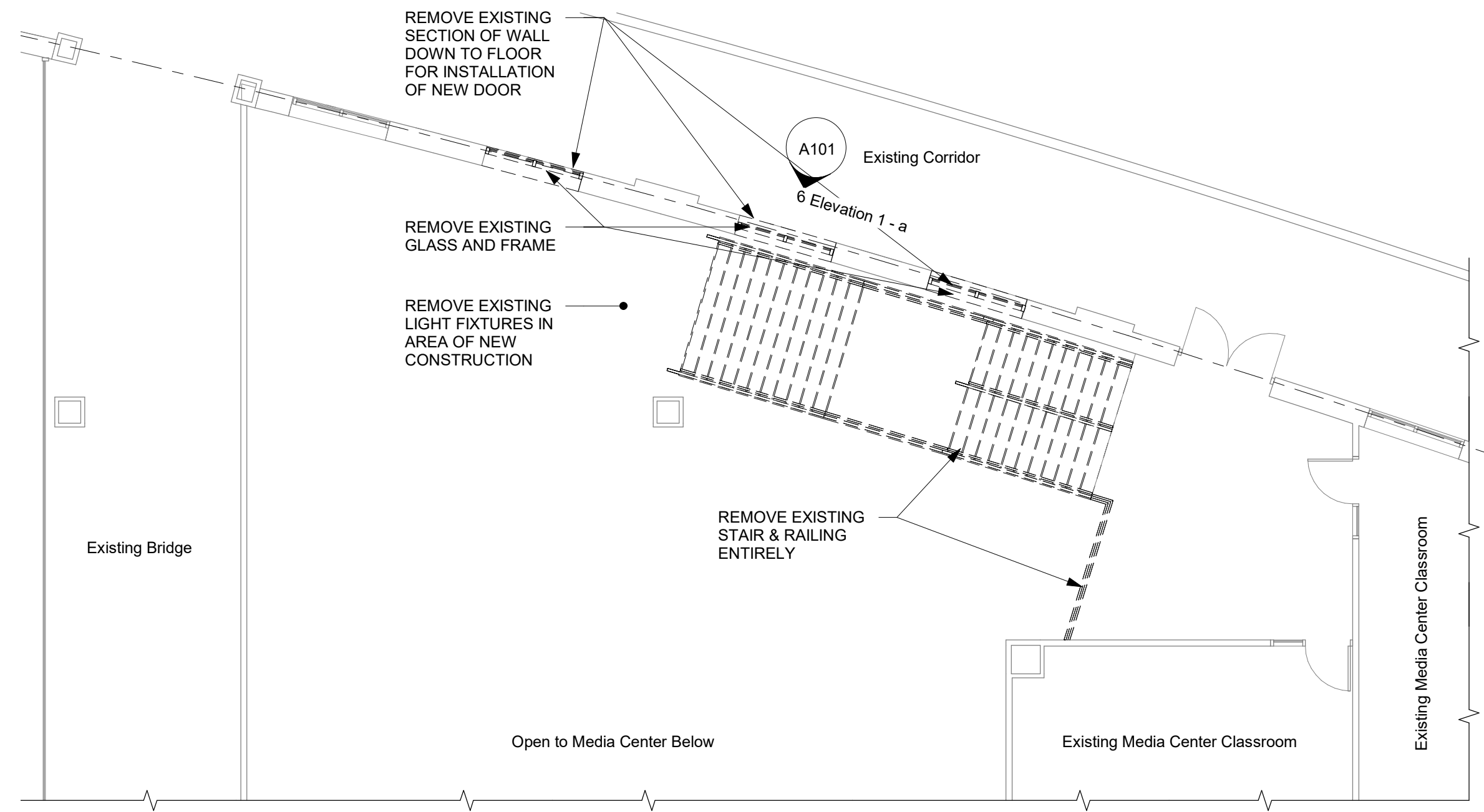
# DEMOLITION NOTES

- Remove all other items, not specifically mentioned herein but required to be removed to construct the project, as indicated on the drawings and in the project manual.
- The Contractor shall provide all labor and materials required to demolish, remove from site and properly dispose of items indicated to be removed.
- All work shall comply with all applicable codes and ordinances of the State of Connecticut and the local authorities.
- Operations during demolition procedures shall not interfere with normal traffic on adjacent roads and walks or the remaining areas of the building; and in all cases the Demolition contractor shall provide for the protection of the public and building occupants.
- Protect all existing buildings, trees, shrubs, etc. that are designated to remain.
- Dispose of all material in strict accordance with all applicable State, Local and Federal Regulations. All debris must be removed from the site.
- It is the Contractor's responsibility to report the discovery of any additional suspected hazardous, toxic, or asbestos material to the Architect immediately upon discovery. Contractor to assume full responsibility for the proper removal and disposal of all hazardous and non-hazardous materials.
- Provide all required temporary shoring, bracing, supports, etc., as required.
- The Contractor shall assume full responsibility for construction site safety, construction methods and techniques, all temporary shoring, supports, enclosures and bracing.
- All walls that are designated to be removed shall include the removal of all associated HVAC, plumbing and electrical components.

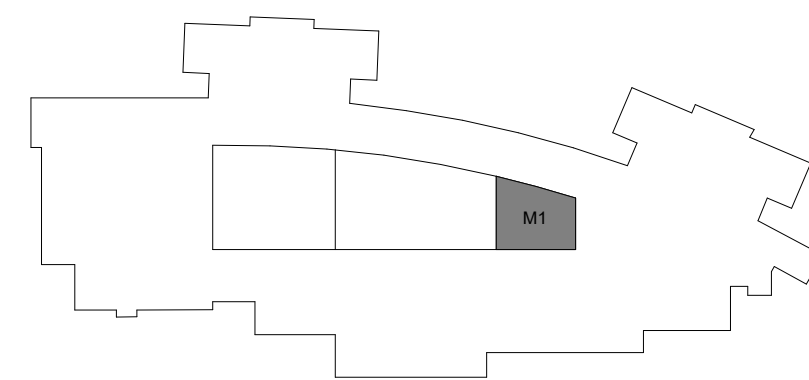




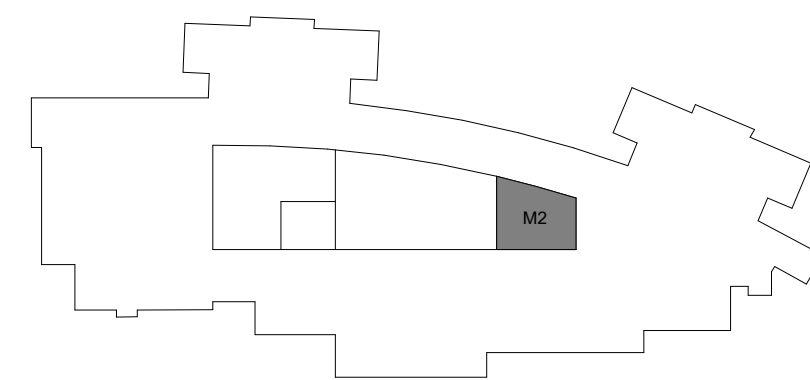
**1 Demo Alternate No. 1 Plan - Media Center Lower Level**  
1/8" = 1'-0"



**2 Demo Alternate No. 1 Plan - Media Center Upper Level**  
1/8" = 1'-0"



**KEY PLAN LOWER LEVEL**



**KEY PLAN UPPER LEVEL**

- DEMOLITION NOTES**
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Revision Number	Revision Description	Revision Date
1	1/8" = 1'-0"	
2	DATE	04/23/19
3	DRAWN BY	rem

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**ARCHITECT**  
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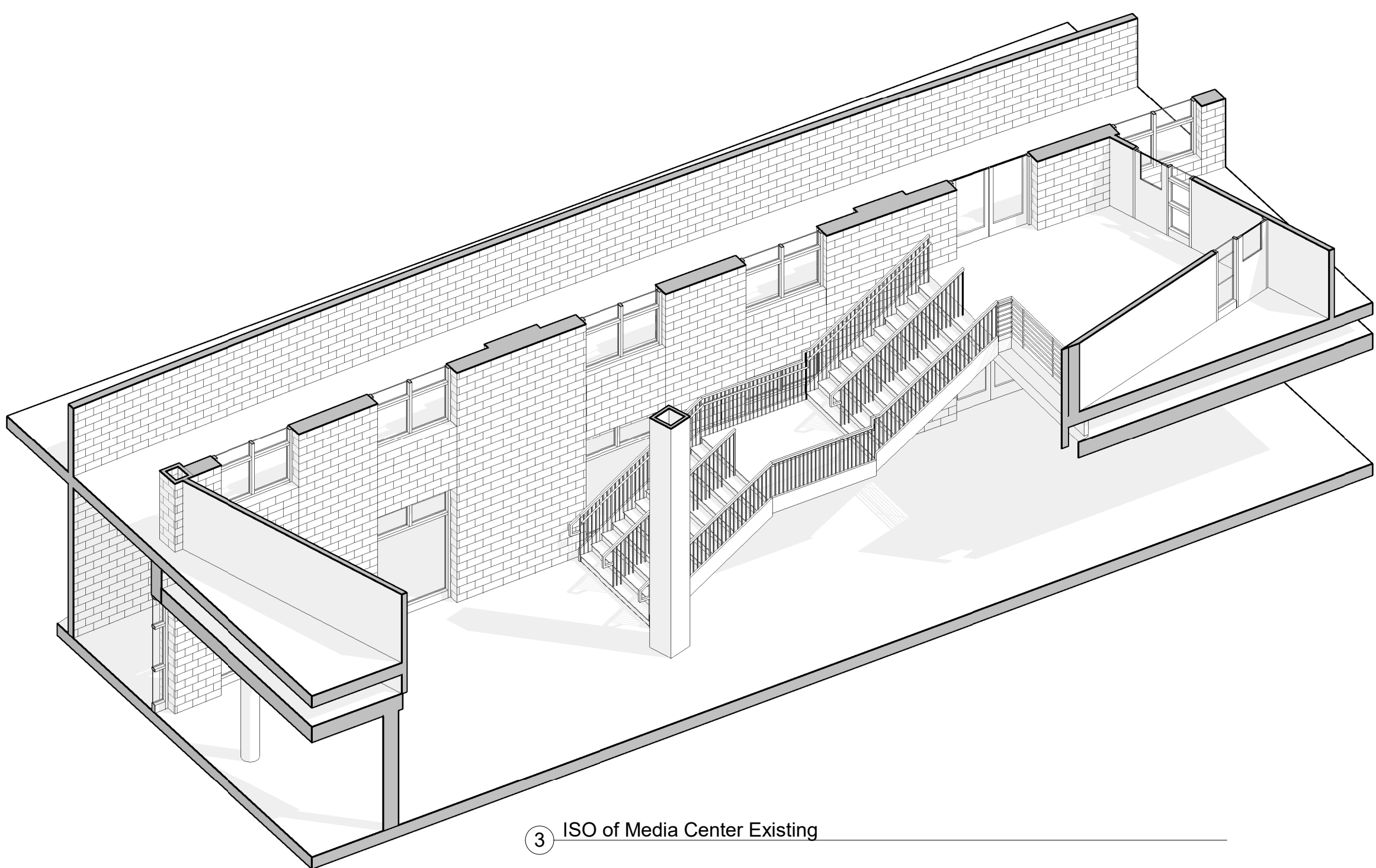
**Bedford Middle School**  
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Westport, CT 06880

**Demolition Plans - Alternate No. 1**

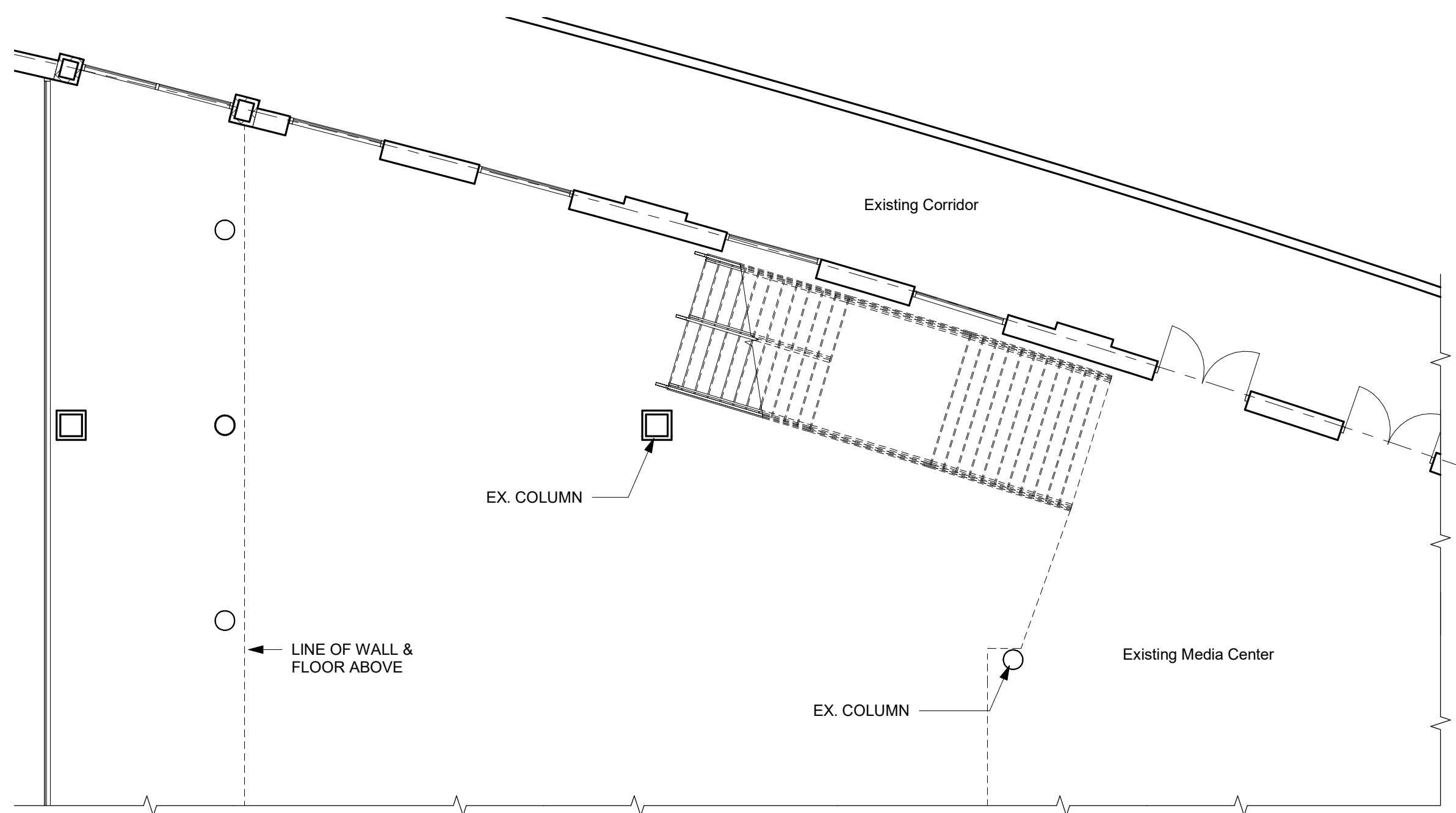
**19-17**  
**D102**

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TOWN OF WESTPORT RFP # 19-022-BOE  
FOR BID

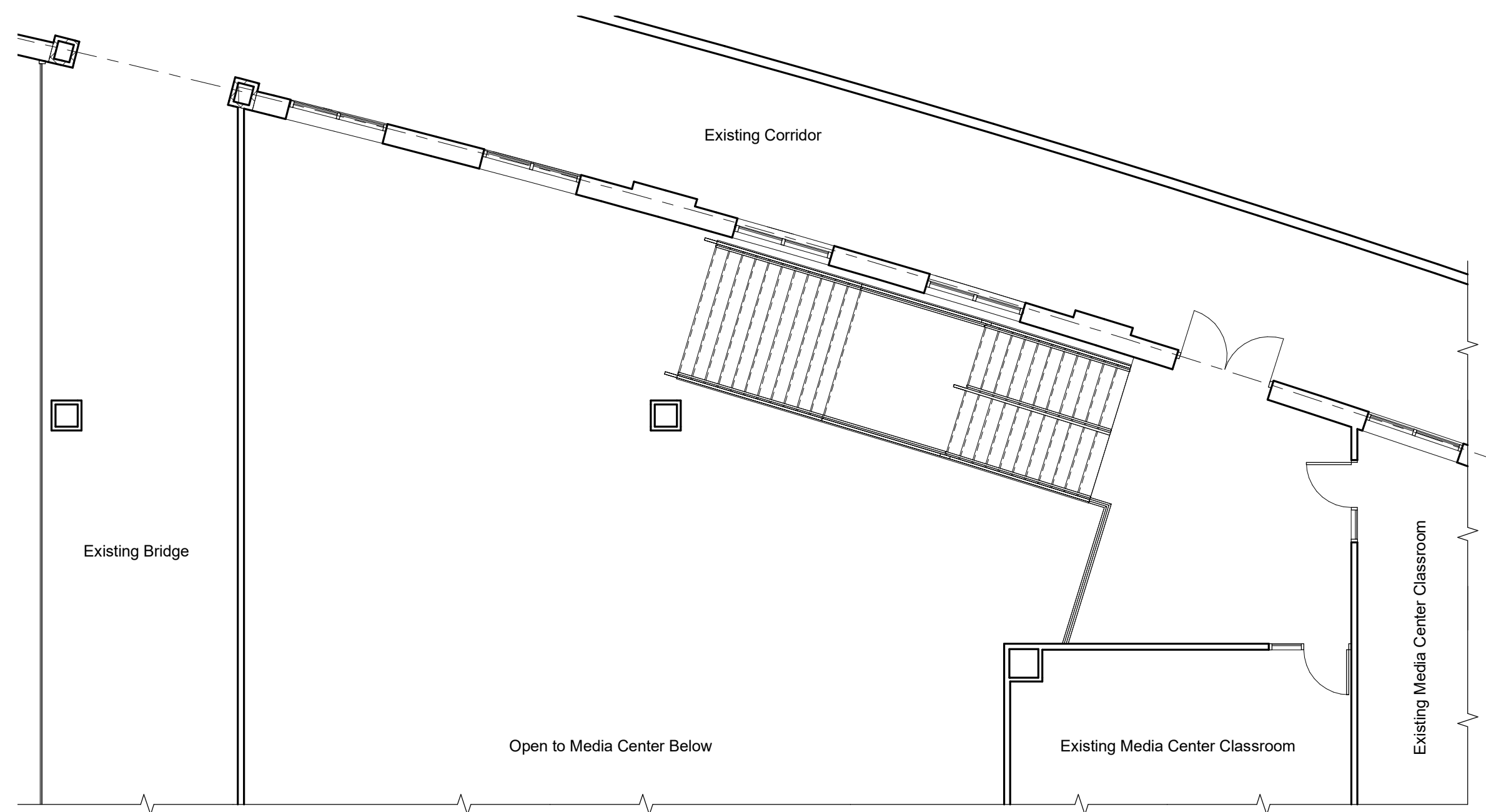




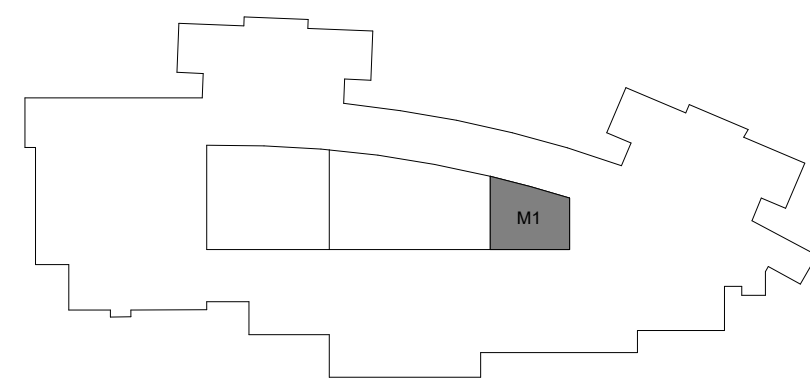
3 ISO of Media Center Existing



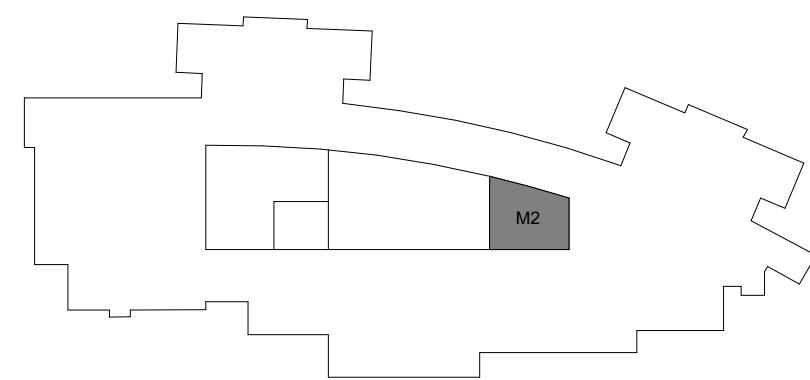
1 Existing Media Center Lower Level Plan  
1/8" = 1'-0"



2 Existing Media Center Upper Level Plan  
1/8" = 1'-0"



N KEY PLAN LOWER LEVEL



N KEY PLAN UPPER LEVEL

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FOR BID

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Revision Number	Revision Description	Revision Date
SCALE	1/8" = 1'-0"	
DATE	04/23/19	
DRAWN BY	rem	

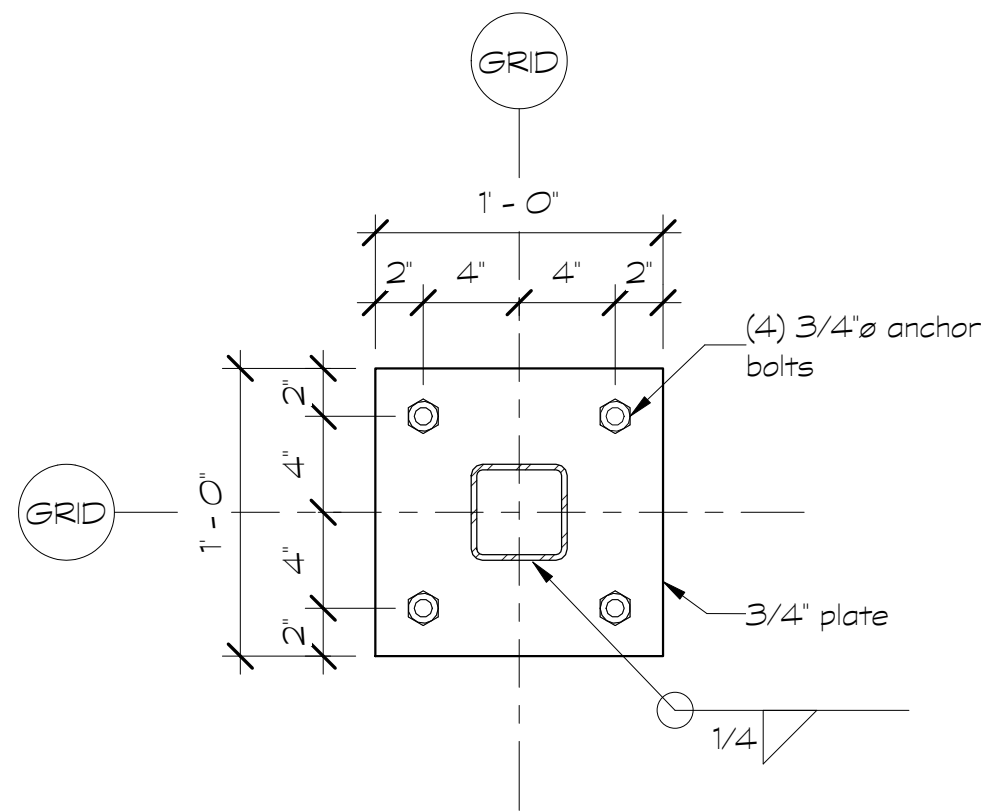
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ARCHITECT  
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Bedford Middle School  
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Westport, CT 06880

SHEET TITLE: Existing Media Center

DRAWING No.  
19-17  
E101





**BASE PLATE A**  
1 1/2" = 1'-0"

## ABBREVIATIONS

abv.	Above	lb.	Pound
AFF	Above finish floor	LL	Lineal foot
alum.	Aluminum	LLH	Live load
anch.	Anchor	LLV	Long leg horizontal
arch.	Architect	LP	Long leg vertical
BC	Bottom chord	LW	Light weight
bdg.	Building	max.	Maximum
bm.	Beam	min.	Minimum
BDE	Base design elevation	MO	Masonry opening
BFE	Base flood elevation	mtl.	Metal
BOF	Bottom of footing	NIC	Not in contract
BOS	Bottom of steel	NTS	Not to scale
bott.	Bottom	NS	Near side
brg.	Bearing	o.c.	On center
bsmt.	Basement	OD	Outside diameter
BS	Both sides	opng.	Opening
BUR	Built up roof	PAF	Powder actuated fastener
cant.	Cantilever	PE	Professional Engineer
CFSF	Cold-Formed Steel Framing	PSF	Pounds per square foot
CJ	Control joint	PSI	Pounds per square inch
clg. jst.	Celling joist	PT	Pressure treated
cl.	Clear	perf.	Perforated
CMU	Concrete masonry unit	PLF	Pounds per lineal foot
col.	Column	plywd.	Plywood
conc.	Concrete	RD	Roof drain
const. jt.	Construction joint	reinf.	Reinforce
cont.	Continuous	reqd.	Required
CY	Cubic yard	rev.	Revision
dia.	Diameter	rm.	Room
diag.	Diagonal	RO	Rough opening
Dbl.	Double	sched.	Schedule
DL	Dead load	sect.	Section
DO	Ditto	sim.	Similar
dwg.	Drawing	SIP	Structural insulated panel
EF	Each face	SF	Stepped footing
FD	Footing drain	SS	Stainless steel
elev.	Elevation	std.	Standard
engr.	Engineer	stl.	Steel
ea.	Equal	struct.	Structural
EV	Each way	T&B	Top and bottom
EC	Epoxy coated	T&D	To be determined
ex.	Existing	TC	Top chord
exp.	Expansion	temp.	Temperature
exp. jt.	Expansion joint	thru	Through
ext.	Exterior	T&G	Tongue and groove
fdn.	Foundation	TOC	Top of concrete
fin.	Finished	TOM	Top of masonry
FF	Finish floor	TOS	Top of steel
FOS	Face of stud	TOW	Top of wall
FS	Far side	typ.	Typical
ftg.	Footing	UD	Under drain
FV	False work	UON	Unless otherwise noted
ga.	Gage	vert.	Vertical
galv.	Galvanized	v.i.f.	Verify in field
G.C.	General contractor	wd.	Wood
H&B	Hohmann and Barnard, Inc.	WP	Work point
hdr.	Header	WWF	Welded wire fabric
hgr.	Hanger	w/	With
horiz.	Horizontal	w/o	Without
HP	High point	ø	Diameter
HS	High strength		
ID	Inside diameter		
jst.	Joist		

## GENERAL NOTES

All details shall be considered typical and shall apply to all same and similar conditions.

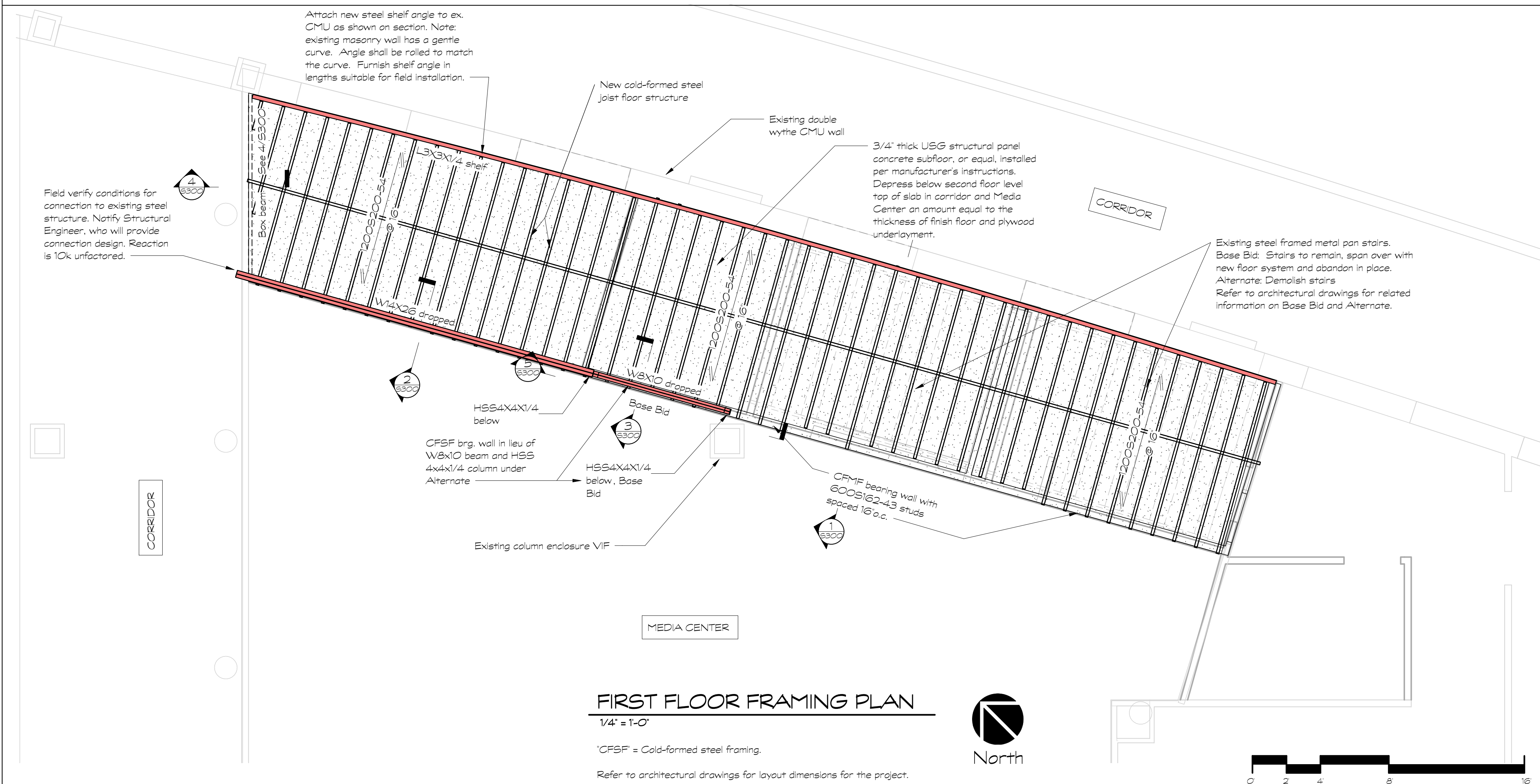
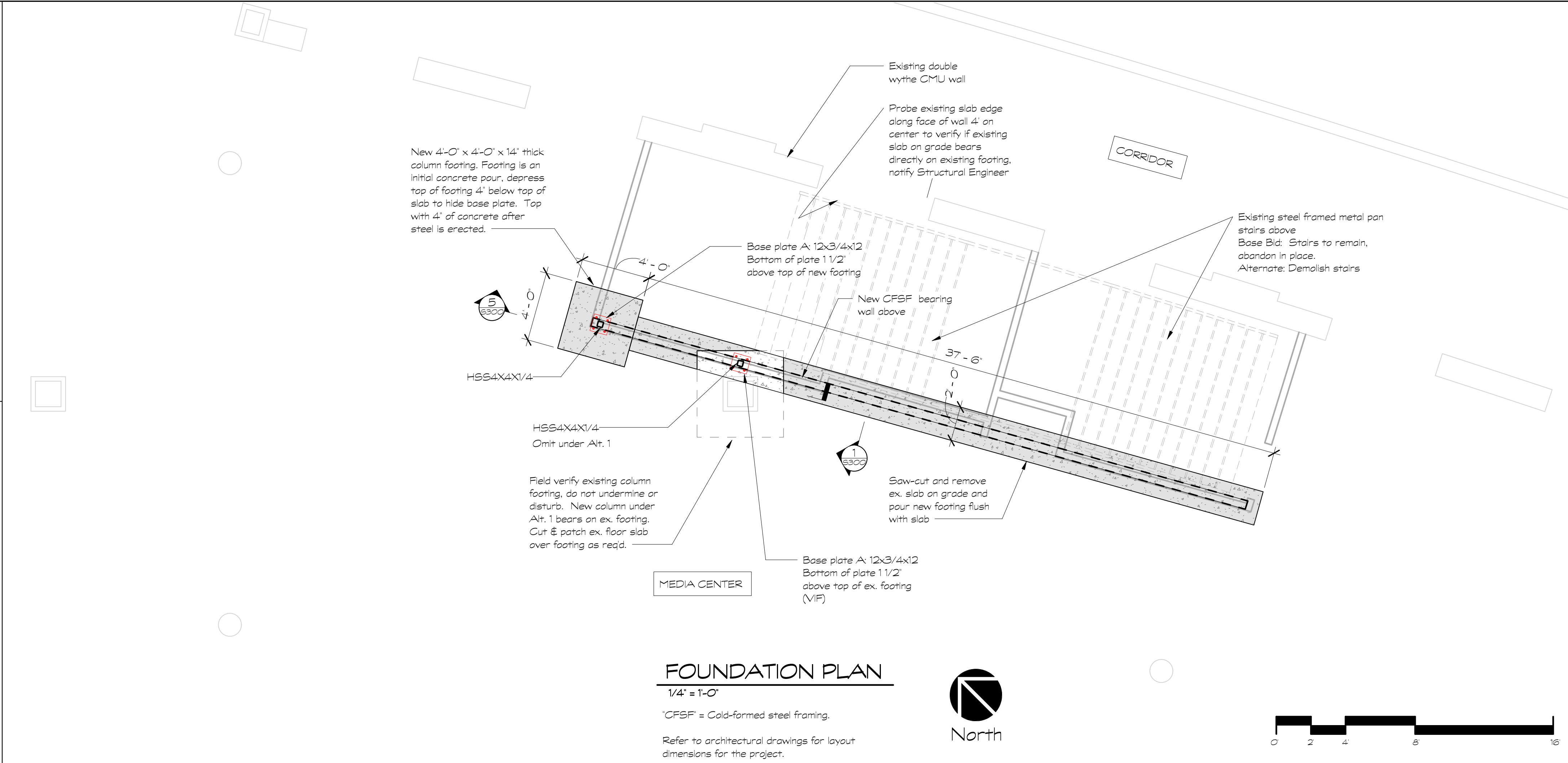
The Contractor shall field measure and verify all dimensions of the existing building and all dimensions related thereto.

The Contractor shall be responsible for all temporary shoring and bracing required to maintain the structural stability of the building during construction.

All work shall be in accordance with the Connecticut State Building Code, which includes the 2015 International Building Code and the Connecticut Supplement dated October 1, 2018.

The Contractor shall be solely responsible for construction site safety as well as the means and methods of construction.

All elevations are referenced to an assumed datum.





## CAST-IN-PLACE CONCRETE

Concrete strength at 28 days: 3,000 psi

Reinforcing steel: ASTM A615 grade 60.

Concrete work shall be in accordance with ACI 301-10 and ACI 318-11.

Maximum slump: 4 inches

Interior floor slab shall receive a steel trowel finish.

Place vapor barrier under all concrete (slab cutting and patching, footings). Seal to existing vapor barrier along edges (VIF).

Apply curing compound to slab immediately following final troweling.

Submit concrete mix design for approval

Special Inspections shall be made of reinforcing steel placement.

## STRUCTURAL STEEL

Structural steel:  
ASTM A992 for wide-flange shapes  
ASTM A36 for other rolled shapes  
ASTM A500 grade B or C for tube and pipe shapes

Bolts: ASTM A325, 3/4 inch diameter, tension control bolts with dome head and twist-off spline. Provide hardened washer under nut.

SMAW welding electrodes: ASTM A233, E70xx series, low hydrogen.

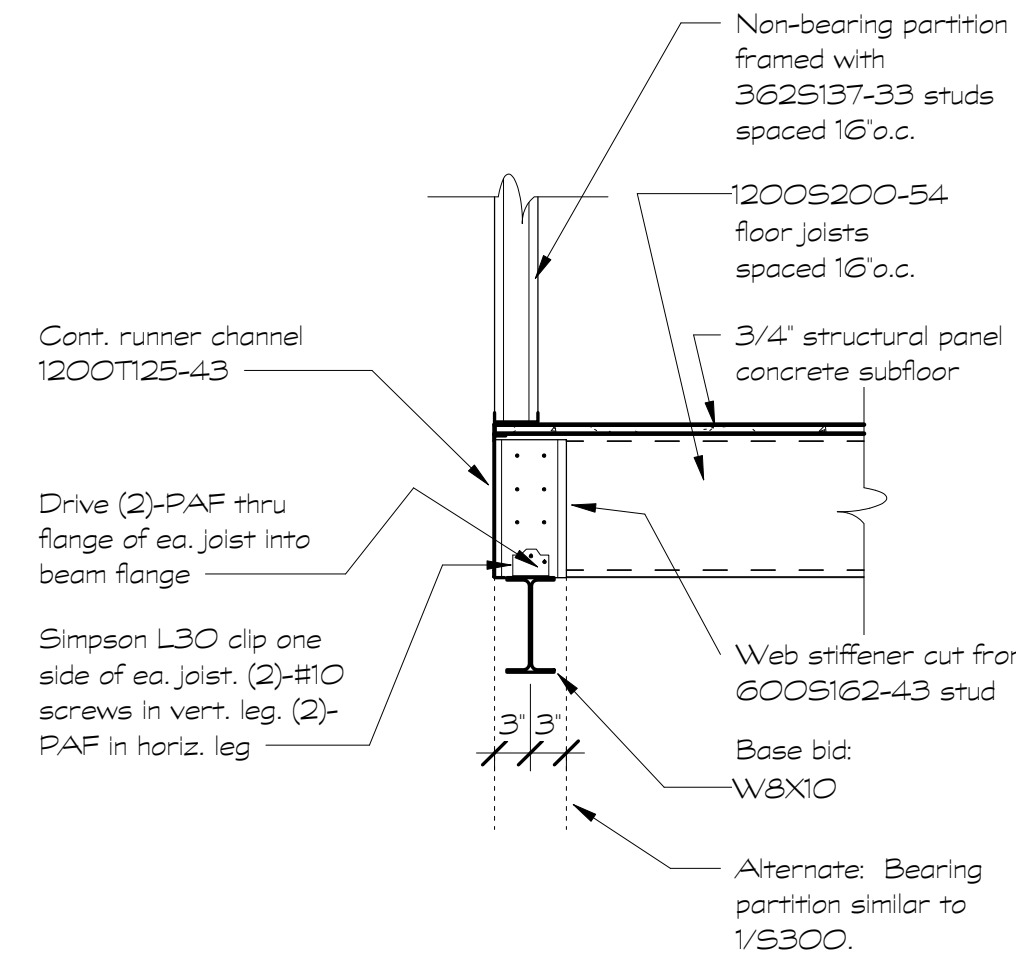
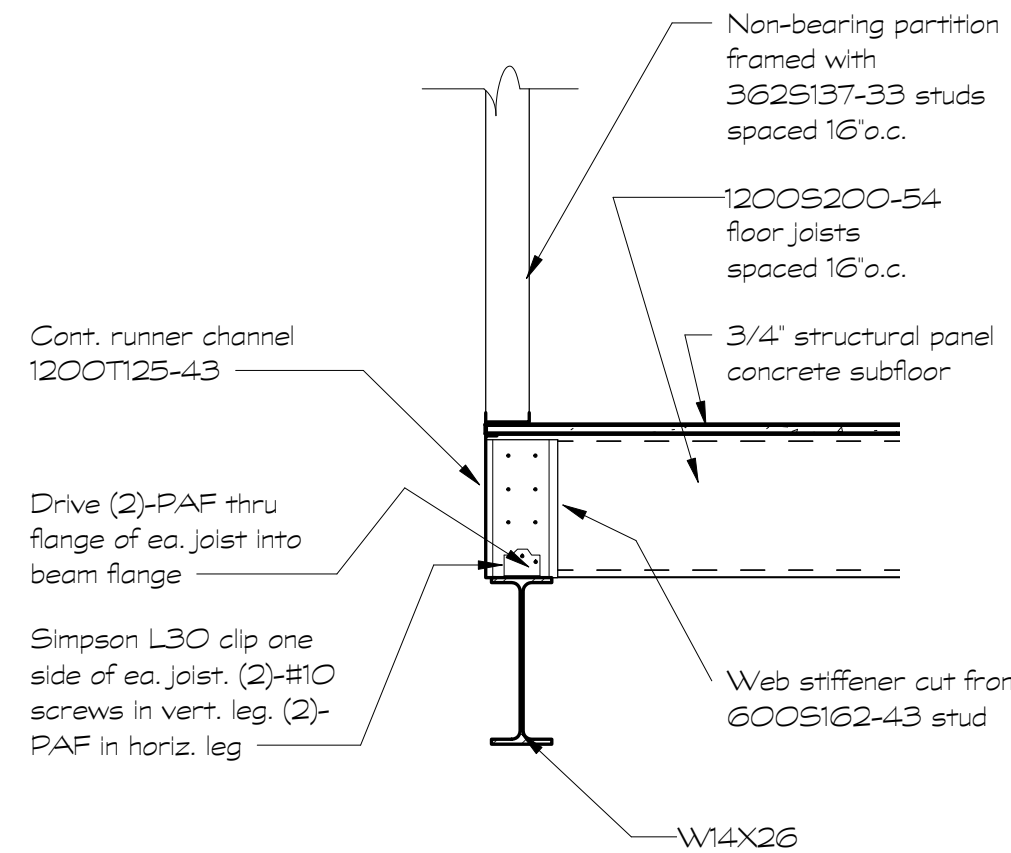
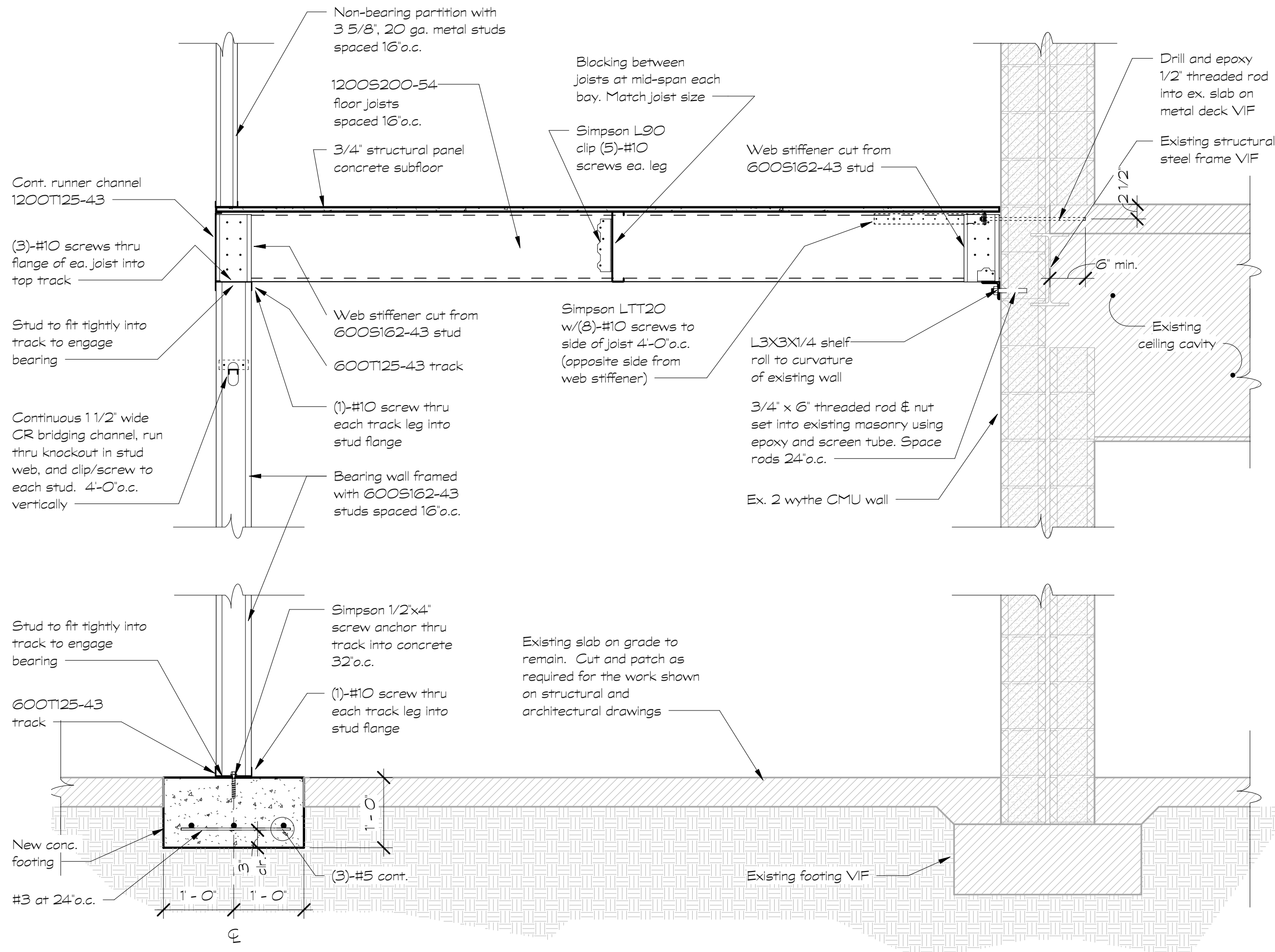
Shop primer: one coat of grey, rust inhibitive primer.

Steel work shall be in accordance with AISC "Specification for the Design, Fabrication, and Erection of Structural Steel for Buildings."

Welders shall be certified in accordance with AWS standard qualification procedures.

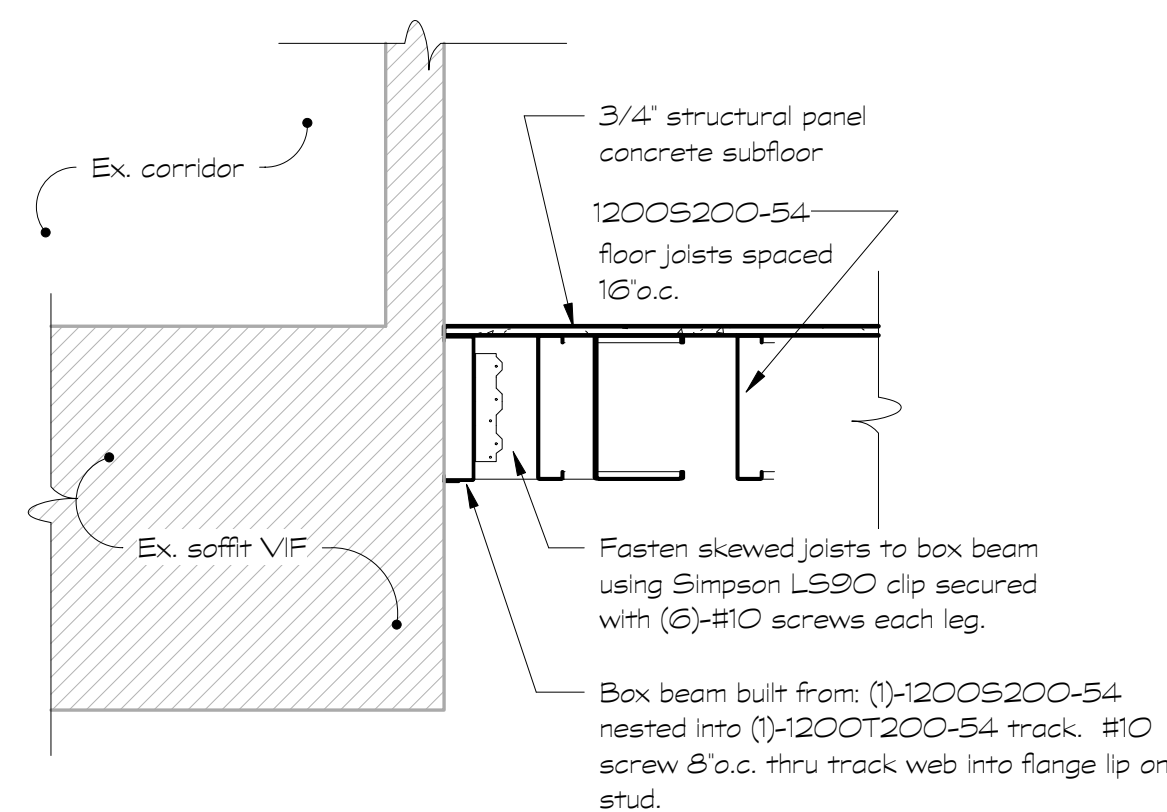
Submit Erection Plans and complete shop drawings of all structural steel for review.

Special Inspections shall be made of the structural steel in the field.

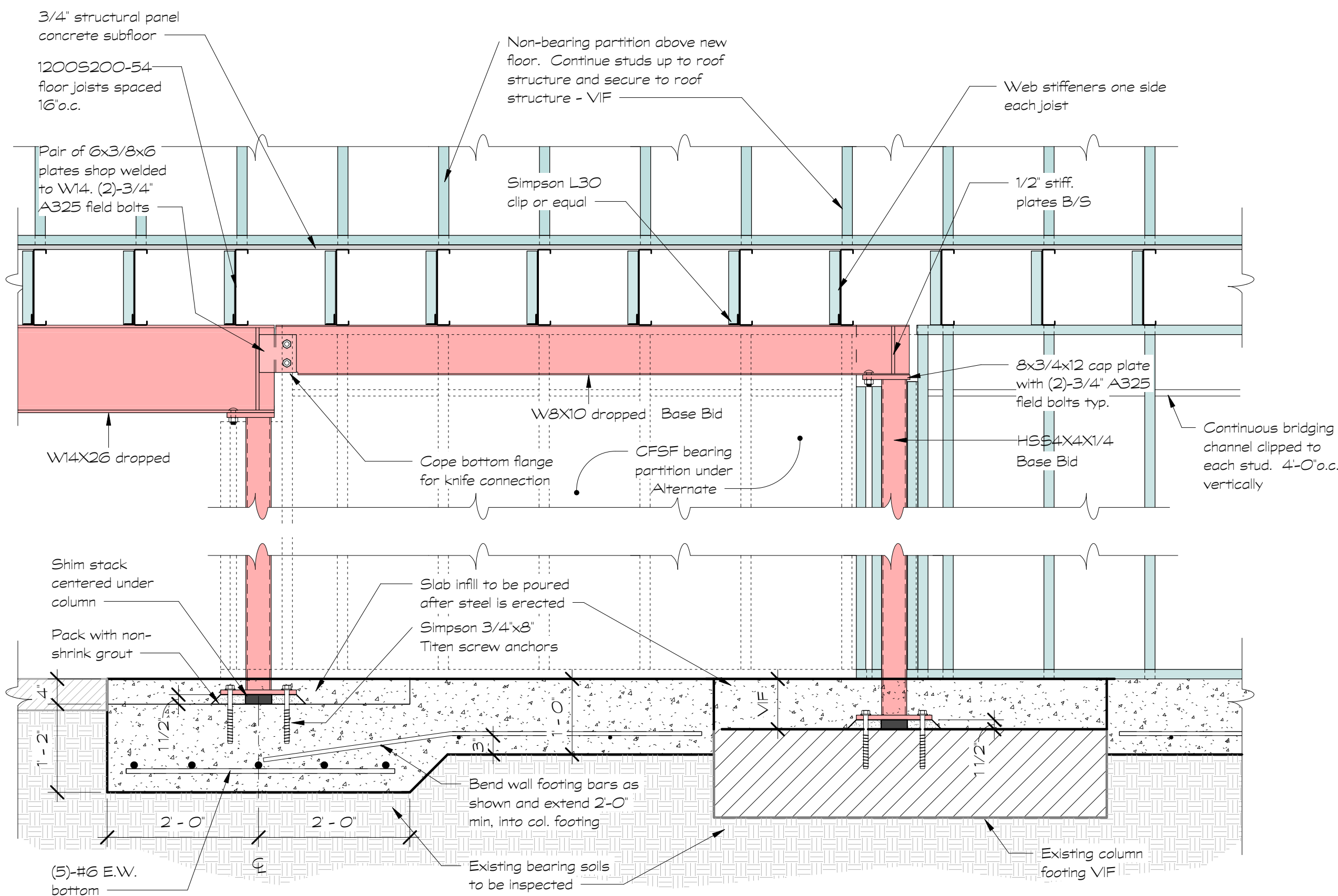


SECTION 2  
3/4" = 1'-0"

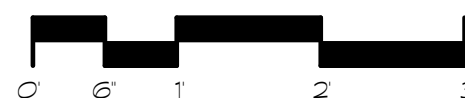
SECTION 3  
3/4" = 1'-0"



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



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



## COLD FORMED STEEL FRAMING (CFSF)

Submit manufacturer's cut sheets showing cross-sectional properties for studs, joists, track, etc. for review. Submit product data on all fasteners.

Cold-formed steel framing (CFSF) work shall conform to AISI's "Specification for the Design of Cold-Formed Steel Structural Members".

Fasten members together using #10 self drilling screws. Fasten to steel, concrete, or masonry with 0.145" diameter powder actuated fasteners (PAF) unless shown otherwise.

All CFSF members shall be galvanized, coating class G60.

Minimum yield strength = 33 ksi for 18 and 20 ga., 50 ksi for 16 ga. and thicker. Minimum gage for studs and runner channels is: 18 gage (18 ga. = 43 mils). Minimum gage for floor joists: 16 gage (16 ga. = 54 mils).

Jamb studs at window and door openings shall be framed with (2) C studs and (1) track stud full height. All pieces shall be fastened together with #10 screws @16" o.c.

Studs shall be furnished with 1 1/2" x 4" knockouts in web 24" o.c. for bridging installation and electrical wiring.

Headers and sills for openings less than 4 feet in width shall consist of a single runner track and 2x fire retardant-treated wood blocking screwed together, unless other framing is shown on the plans.

Studs, headers, sills, and braces shall be made full length from support to support, and shall not be spliced.

Provide fire-retardant treated sawn lumber blocking for attachment of window and door units.

Subfloor shall be USG Structural Concrete panels, 48"x96", with long direction run perpendicular to floor joists. Snagger end joints 24" in running bond pattern. Fasten to top flange of CFSF floor joists and perimeter runner channel using #8 x 1 5/8" self-drilling screws intended for cement board installation (use Simpson Strong-Tie CBSDQ158S winged self-drilling screw or equal). Screw pattern shall be 6" o.c. along all panel edges, and 12" o.c. in field of panel. Installation shall conform to the requirements of Code Report PER-13067 dated July 2018.

Special Inspections shall be made of all CFSF.

## DESIGN LOADS

New structure and foundations have been designed to resist the following loads in accordance with Chapter 16 of the 2015 International Building Code as amended by the 2018 Connecticut Supplement, and ASCE Standard 7-10.

Floor live load: 50 psf (office space)

Snow load: N/A

Wind design criteria: N/A

Seismic design notes:

This proposed interior infill addition of the Media Center is a "Structurally Dependent Addition" as defined in the referenced Standard, ASCE 7-10, because it is not separated from the surrounding existing construction but is instead rigidly connected to it. The addition relies on the lateral bracing effect provided by the existing structure. The existing structure was constructed under the 1999 Connecticut State Building Code which required seismic design. The proposed addition is of lightweight construction which does not generate significant seismic mass. The proposed addition meets the 3 conditions for the "EXCEPTION" noted in Item 11B.3 of Appendix 11B of the Standard. The addition is not required to contain it's own lateral seismic bracing system because the additional seismic force imparted to the existing building from the new construction is minimal and does not increase forces on any existing elements more than 10%, and the existing lateral seismic force resisting system is not decreased.

## CFSF NOMENCLATURE

Member Depth (mils):	Member type:	Minimum steel thickness (mils):	Flange Width (mils):
250 = 2 1/2"	S = stud	33 = 0.033" (20 gage)	137 = 1 3/8" (with 3/8" return lip)
362 = 3"	T = track	43 = 0.043" (18 gage)	162 = 1 5/8" (with 1/2" return lip)
400 = 4"		54 = 0.054" (16 gage)	200 = 2" (with 5/8" return lip)
600 = 6"		68 = 0.068" (14 gage)	250 = 2 1/2" (with 5/8" return lip)
800 = 8"		97 = 0.097" (12 gage)	300 = 3" (with 5/8" return lip)
1000 = 10"		118 = 0.118" (10 gage)	350 = 3 1/2" (with 1" return lip)
1200 = 12"			



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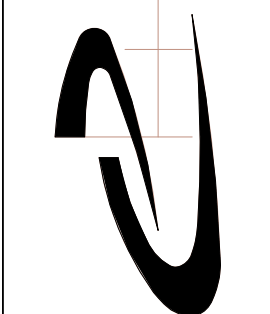
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SCALE:  
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DATE:  
4-23-2019

DRAWN:  
KHC

PHILIP H. CERRONE III, AIA, NCARB  
ARCHITECT



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Bedford Middle School  
New Office/Classrooms  
88 North Avenue  
Westport, CT

MEDIA CENTER STRUCTURAL DETAILS

19-1362

S300

Bed Set