ADDITION AND RENOVATION TO

LITTLE CHUTE HIGH/ MIDDLE/ INTERMEDIATE SCHOOL

Little Chute Area School District

1402 Freedom Rd Little Chute, WI 54140

BID PACKAGE- 2 PROGRESS SET

SEPTEMBER 22, 2017

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Ambrose Engineering

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Cedarburg, WI 53012
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HVAC

Fredericksen Engineering

12308 Corporate Parkway, Suite 400
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DRAWING INDEX

Architectural
- A7.2 INTERIOR ELEVATIONS
- A9.0 ROOM FINISH SCHEDULE
- A9.A1 FINISH PLAN - FIRST FLOOR UNIT A
- A9.A2 FINISH PLAN - SECOND FLOOR UNIT A
- A9.B1 FINISH PLAN - FIRST FLOOR UNIT B
- A9.B2 FINISH PLAN - SECOND FLOOR UNIT B
- A9.C1 FINISH PLAN - FIRST FLOOR UNIT C
- A9.C2 FINISH PLAN - SECOND FLOOR UNIT C
- A9.D1 FINISH PLAN - FIRST FLOOR UNIT D
- A9.D2 FINISH PLAN - SECOND FLOOR UNIT D
- A9.E1 FINISH PLAN - FIRST FLOOR UNIT E
- A9.E2 FINISH PLAN - SECOND FLOOR UNIT E

General
- G0.1 CODE REVIEW-FIRST FLOOR
- G0.2 SECOND FLOOR CODE REVIEW SHEET
- G0.3 WALL TYPE DETAILS

CIVIL
- C100 SITE DEMOLITION PLAN
- C101 SITE LAYOUT PLAN
- C102 SITE GRADING PLAN
- C103 SITE EROSION CONTROL PLAN
- C104 SITE UTILITY PLAN
- C105 SITE DETAILS

STRUCTURAL
- S0.1 GENERAL NOTES AND ABBREVIATIONS
- S0.2 ROOF UPLIFT, SNOW LOADING AND DECK FASTENING PLAN
- S1.B1 FOUNDATION PLAN- UNIT B
- S1.B2 SECOND FLOOR FRAMING- UNIT B
- S1.B3 ROOF FRAMING PLAN- UNIT B
- S3.1 WALL SECTIONS
- S3.2 WALL SECTIONS
- S5.1 SECTIONS AND DETAILS
- S5.2 SECTIONS AND DETAILS
- S5.3 SECTIONS AND DETAILS
- S5.4 SECTIONS AND DETAILS
- S5.5 SECTIONS AND DETAILS
- S5.6 SECTIONS AND DETAILS

Demolition
- AD1.1 FIRST FLOOR DEMOLITION PLAN - OVERALL
- AD1.2 SECOND FLOOR DEMOLITION PLAN - OVERALL
- AD1.A1 FIRST FLOOR DEMOLITION PLAN - UNIT A
- AD1.A2 SECOND FLOOR DEMOLITION PLAN - UNIT A
- AD1.B1 FIRST FLOOR DEMOLITION PLAN - UNIT B
- AD1.B2 SECOND FLOOR DEMOLITION PLAN - UNIT B
- AD1.D1 FIRST FLOOR DEMOLITION PLAN - UNIT D
- AD1.D2 SECOND FLOOR DEMOLITION PLAN - UNIT D
- AD1.E1 FIRST FLOOR DEMOLITION PLAN - UNIT E
- AD1.E2 SECOND FLOOR DEMOLITION PLAN - UNIT E
- AD5.0 FIRST FLOOR RCP DEMOLITION OVERALL
- AD5.1 SECOND FLOOR RCP DEMOLITION OVERALL

Architectural
- A0.1 FIRST FLOOR PLAN- OVERALL
- A0.2 SECOND FLOOR PLAN- OVERALL
- A1.A1 FIRST FLOOR PLAN- UNIT A
- A1.A2 SECOND FLOOR PLAN -UNIT A
- A1.B1 FIRST FLOOR PLAN- UNIT B
- A1.B2 SECOND FLOOR PLAN -UNIT B
- A1.C1 FIRST FLOOR PLAN- UNIT C
- A1.C2 SECOND FLOOR PLAN -UNIT C
- A1.D1 FIRST FLOOR PLAN- UNIT D
- A1.D2 SECOND FLOOR PLAN -UNIT D
- A1.E1 FIRST FLOOR PLAN- UNIT E
- A1.E2 SECOND FLOOR PLAN -UNIT E
- A1.R1 ROOF PLAN- OVERALL
- A1.R2 ROOF PLAN UNIT B & DETAILS
- A2.0 EXTERIOR ELEVATIONS
- A3.0 BUILDING SECTIONS
- A4.0 WALL SECTIONS
- A4.1 WALL SECTIONS
- A4.2 WALLS SECTIONS
- A4.3 WALL SECTIONS
- A5.1 FIRST FLOOR RCP NEW OVERALL
- A5.2 SECOND FLOOR RCP NEW OVERALL
- A5.B1 REFLECTED CEILING PLAN UNIT-B
- A5.B2 REFLECTED CEILING PLAN- UNIT B
- A6.0 DETAILS
- A6.1 DETAILS
- A6.4 INTERIOR DETAILS
- A6.10 ENLARGED RESTROOM PLANS & ELEVATIONS
- A6.11 ENLARGED STAIR PLANS & SECTIONS
- A6.12 ENLARGED FLOOR PLAN DETAILS
- A6.13 DETAILS
- A7.0 INTERIOR ELEVATIONS
- A7.1 INTERIOR ELEVATIONS
- A7.3 INTERIOR ELEVATIONS
- A8.1 DOOR SCHEDULE & TYPES
- A8.2 CURTAINWALL & STOREFRONT TYPES
- A8.3 STOREFRONT TYPES
- A8.4 BORROWED LIGHT TYPES
- A8.5 STOREFRONT CURTAINWALL DETAILS
- A9.1 FINISH PLAN - FIRST FLOOR OVERALL
- A9.2 FINISH PLAN - SECOND FLOOR OVERALL
- FS1.0 KITCHEN PLAN

HVAC
- H201 FIRST FLOOR DEMOLITION PLAN
- H202 SECOND FLOOR DEMOLITION PLAN
- H301 OVERALL FIRST FLOOR PLAN
- H301A FIRST FLOOR DUCTWORK PLAN- UNIT A
- H301B FIRST FLOOR DUCTWORK PLAN- UNIT B
- H301C FIRST FLOOR DUCTWORK PLAN- UNIT C
- H301D FIRST FLOOR DUCTWORK PLAN- UNIT D
- H301E FIRST FLOOR DUCTWORK PLAN- UNIT E
- H302 OVERALL SECOND FLOOR PLAN
- H302A SECOND FLOOR DUCTWORK PLAN- UNIT A
- H302B SECOND FLOOR DUCTWORK PLAN- UNIT B
- H302C SECOND FLOOR DUCTWORK PLAN- UNIT C
- H302D SECOND FLOOR DUCTWORK PLAN- UNIT D
- H302E SECOND FLOOR DUCTWORK PLAN- UNIT E

ELECTRICAL
- E1.0 ELECTRICAL SITE PLAN- NORTH
- E1.1 ELECTRICAL SITE PLAN- SOUTH

ELECTRICAL
- ED1.2A FIRST FLOOR PLAN- UNIT A- DEMO
- ED1.2B FIRST FLOOR PLAN- UNIT B- DEMO
- ED1.2D FIRST FLOOR PLAN- UNIT D- DEMO
- ED1.2E FIRST FLOOR PLAN- UNIT E- DEMO
- ED1.3A SECOND FLOOR PLAN- UNIT A- DEMO
- ED1.3B SECOND FLOOR PLAN- UNIT B- DEMO
- ED1.3D SECOND FLOOR PLAN- UNIT D- DEMO
- ED1.3E SECOND FLOOR PLAN- UNIT E- DEMO

ELECTRICAL
- E1.2AL FIRST FLOOR PLAN- UNIT A- LIGHTING
- E1.2AP FIRST FLOOR PLAN- UNIT A- POWER
- E1.2BL FIRST FLOOR PLAN- UNIT B- LIGHTING
- E1.2BP FIRST FLOOR PLAN- UNIT B- POWER
- E1.2CL FIRST FLOOR PLAN- UNIT C- LIGHTING
- E1.2CP FIRST FLOOR PLAN- UNIT C- POWER
- E1.2DL FIRST FLOOR PLAN- UNIT D- LIGHTING
- E1.2DP FIRST FLOOR PLAN- UNIT D- POWER
- E1.2EL FIRST FLOOR PLAN- UNIT E- LIGHTING
- E1.2EP FIRST FLOOR PLAN- UNIT E- POWER
- E1.3AL SECOND FLOOR PLAN- UNIT A- LIGHTING
- E1.3AP SECOND FLOOR PLAN- UNIT A- POWER
- E1.3BL SECOND FLOOR PLAN- UNIT B- LIGHTING
- E1.3BP SECOND FLOOR PLAN- UNIT B- POWER
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- E1.3DP SECOND FLOOR PLAN- UNIT D- POWER
- E1.3EL SECOND FLOOR PLAN- UNIT E- LIGHTING
- E1.3EP SECOND FLOOR PLAN- UNIT E- POWER
- E1.4 DETAILS

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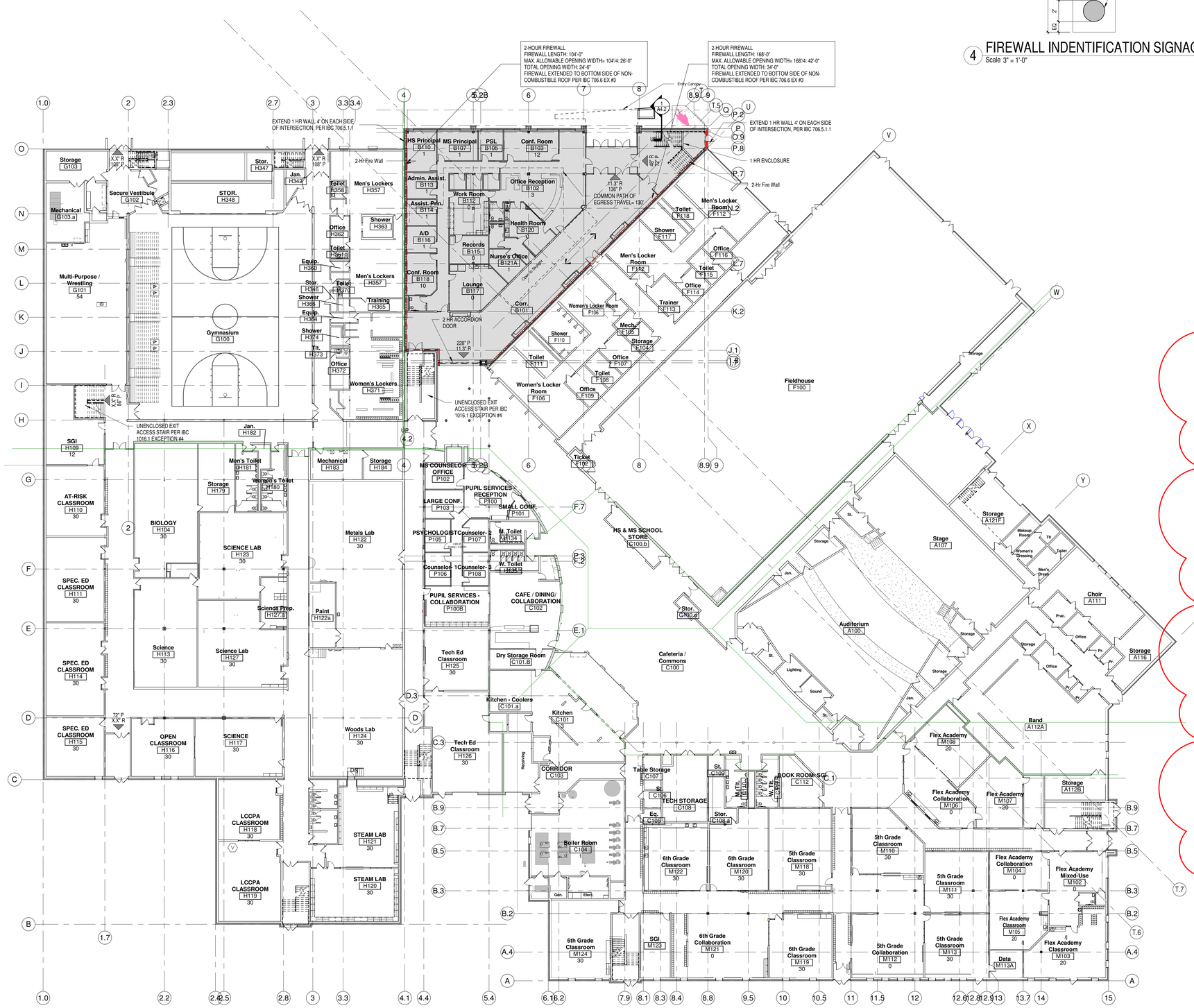

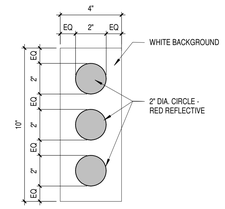

4 FIREWALL INDENTIFICATION SIGNAGE
Scale 3" = 1'-0"

LIFE SAFETY SYMBOLS

- 1 HOUR RATED WALL ASSEMBLY, SEE NOTATIONS ON PLANS FOR TYPE
- 2 HOUR RATED WALL ASSEMBLY, SEE NOTATIONS ON PLANS FOR TYPE
- EXIT — 27" R, 37" P — $R_=$ EXIT WIDTH REQUIRED, $P_=$ EXIT WIDTH PROVIDED
- BUILDING 1 (NEW ADDITION)
- BUILDING 2 (HIGH SCHOOL 1966)
- BUILDING 3 (MIDDLE SCHOOL 1996)

TOTAL LOCKER QUANTITIES

EXISTING LOCKERS TO REMAIN:	172
EXISTING LOCKERS TO BE RELOCATED:	0
NEW LOCKERS:	122
TOTAL LOCKERS:	294

ACCESSIBLE LOCKER QUANTITIES

(PER IBC 1109.8.1)

TOTAL NEW LOCKERS	122
MINIMUM QUANTITY OF NEW LOCKERS REQUIRED TO BE ADA COMPLIANT:	6 (5%)
TOTAL NEW ADA LOCKERS	8 (6.5%)

BUILDING 1 (New Addition)
TWO STORY BUILDING
TYPE IIB CONSTRUCTION - FULLY SPRINKLERED
3 STORIES ALLOWED PER 504.2 (75' MAX.) - BUILDING HEIGHT PER GRADE P

ALLOWABLE AREA	= 14,500 SF
AREA INCREASE FOR FRONTAGE	= 35,926 SF
ALLOWABLE AREA PER FLOOR	= 50,426 SF

ACTUAL BUILDING AREA:

FIRST FLOOR	= 10,168 SF
SECOND FLOOR	= 10,570 SF
TOTAL BUILDING AREA	= 20,738 SF

OCCUPANT LOAD (Actual)
FIRST FLOOR = 53
SECOND FLOOR= 330
STAIR WIDTH REQUIRED =

EGRESS WIDTH
15.9" REQUIRED 216" PROVIDED
99" REQUIRED 144" PROVIDED
162" REQUIRED 240" PROVIDED

SANITARY FIXTURE COUNTS

OCCUPANT LOAD: 1,415 = 485(1st FL) + 920(2nd FL)
ACTUAL BUSINESS OCCUPANCY(B) =106 (53 MALE / 53 FEMALE)

FIXTURE TYPE:	WC		LAV		DF
FORMULA:	M(1/25)	F(1/25)	M(1/40)	F(1/40)	(1/100)
REQUIRED:	2.12	2.12	1.32	1.32	1.06

EDUCATIONAL OCCUPANCY(E) =1,309 (655 MALE/ 655 FEMALE)

FIXTURE TYPE:	WC		LAV		DF
FORMULA:	M(1/50)	F(1/50)	M(1/50)	F(1/50)	(1/100)
REQUIRED:	13.1	13.1	13.1	13.1	13.09

PROVIDED FIXTURES

FIXTURE TYPE:	WC		LAV		DF
	M	F	M	F	
REQUIRED:	15.22	15.22	14.42	14.42	14.15
PROVIDED:	21 + 25U	44	26	26	8
UNISEX TOILETS:	13 WC & 13 LAVS PROVIDED TO MEET OR EXCEED REQUIRED COUNTS				

OCCUPANT LOAD (EVENT MAX.): 1,000
ASSEMBLY OCCUPANCY(A-3) = 1,000 (500 MALE/ 500 FEMALE)

FIXTURE TYPE:	WC		LAV		DF
FORMULA:	M(1/125)	F(1/65)	M(1/200)	F(1/200)	(1/500)
REQUIRED:	4	7.69	2.5	2.5	2
PROVIDED:	4 + 6U	10	6	4	4
UNISEX TOILETS:	0				

FIXTURES ARE PROVIDED WITHIN MAXIMUM ACCESSIBLE DISTANCE TO EVENT DOES NOT INCLUDE LOCKER ROOM FIXTURES

TABLE 601- FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS; TYPE IIB-

	RATING
PRIMARY STRUCTURAL FRAMES	0
BEARING WALL	
EXTERIOR	0
INTERIOR	0
NONBEARING WALLS AND PARTITIONS	
EXTERIOR	TABLE 602
NONBEARING WALLS AND PARTITIONS	
INTERIOR	0
FLOOR CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS	0
ROOF CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS	0

-703.6 MARKING AND IDENTIFICATION
Firewalls, fire barriers, fire partitions, smoke barriers and smoke partitions or any other wall required to have proteced openings or penetrations shall be effectively and permanently identified with signs or stenciling.

-709.2- CONTINUITY
Fire partitions to underside of deck.

-709.6- OPENINGS
Openings in a fire partition shall be protected in accordance with Section 715.

TABLE 715.4.3- FIRE DOOR AND FIRE SHUTTER PROTECTION RATING
20 min. door assemblies in 1 hr corridor. (non required)
90 min. door assemblies in 2 hr firewalls.

-715.4.8- DOOR CLOSING.
FIRE DOORS SHALL BE SELF- OR AUTOMATIC CLOSING IN ACCORDANCE WITH THIS SECTION.

TABLE 1016.1- EXIT ACCESS TRAVLE DISTANCE
Sprinklered= 250 ft (max)

-1018.1 CORRIDOR FIRE RESISTANCE RATING
0 hrs. (New Addition-Sprinklered)

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CODE REVIEW-FIRST FLOOR

Sheet Number:
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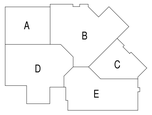

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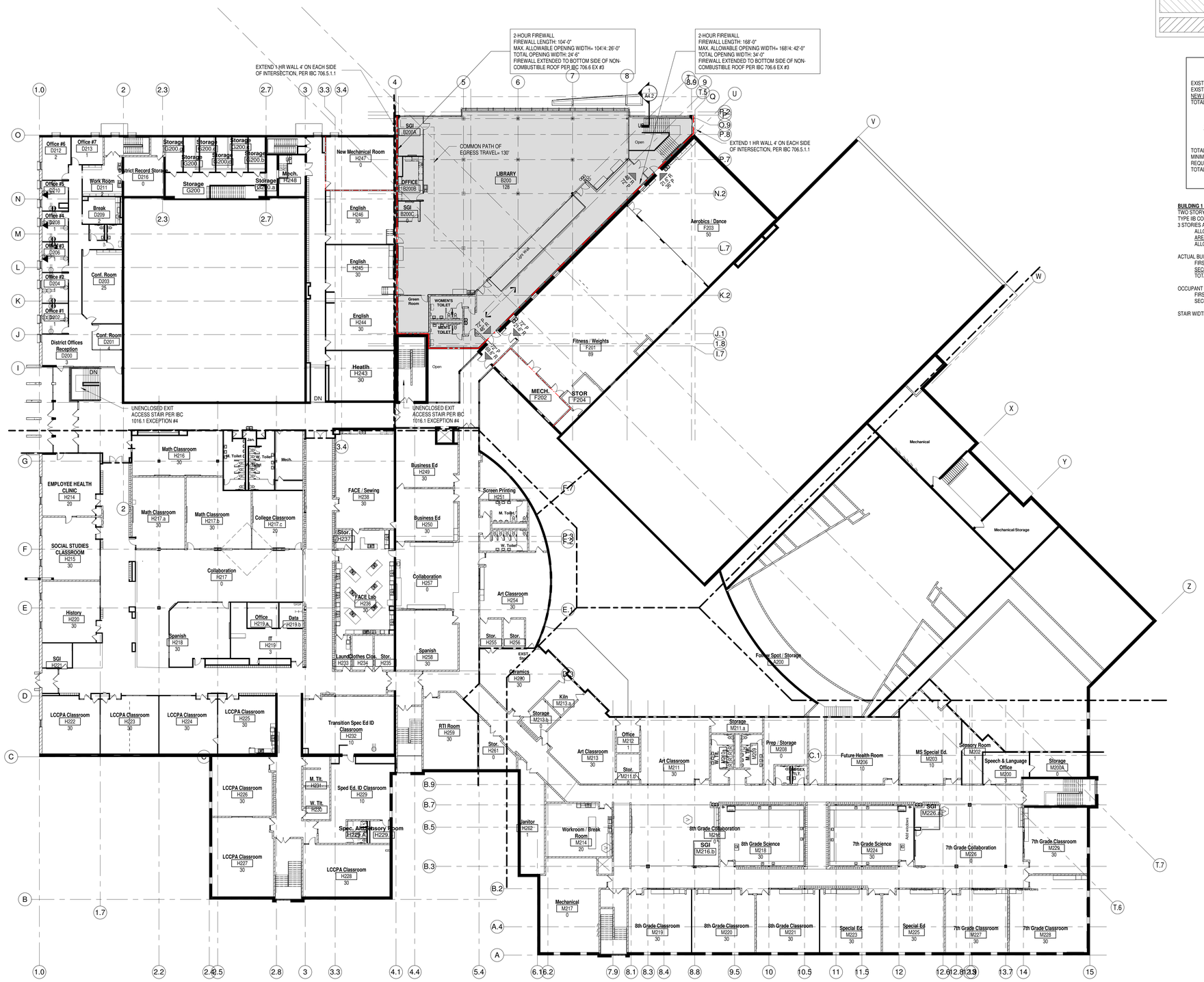

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- BUILDING 2 (HIGH SCHOOL 1966)
- BUILDING 3 (MIDDLE SCHOOL 1996)

TOTAL LOCKER QUANTITIES

EXISTING LOCKERS TO REMAIN:	570
EXISTING LOCKERS TO BE RELOCATED:	0
NEW LOCKERS:	82
TOTAL LOCKERS:	652

ACCESSIBLE LOCKER QUANTITIES

(PER IBC 1109.8.1)

TOTAL NEW LOCKERS	82
MINIMUM QUANTITY OF NEW LOCKERS REQUIRED TO BE ADA COMPLIANT:	4 (5%)
TOTAL NEW ADA LOCKERS	6 (6.5%)

BUILDING 1 (New Addition)
TWO STORY BUILDING
TYPE IIB CONSTRUCTION - FULLY SPRINKLERED
3 STORIES ALLOWED PER 504.2 (75' MAX.) - BUILDING HEIGHT PER GRADE P

ALLOWABLE AREA	= 14,500 SF
AREA INCREASE FOR FRONTAGE	= 35,926 SF
ALLOWABLE AREA PER FLOOR	= 50,426 SF

ACTUAL BUILDING AREA:

FIRST FLOOR	= 10,168 SF
SECOND FLOOR	= 10,570 SF
TOTAL BUILDING AREA	= 20,738 SF

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SECOND FLOOR= 330	99" REQUIRED 144" PROVIDED
STAIR WIDTH REQUIRED =	162" REQUIRED 240" PROVIDED

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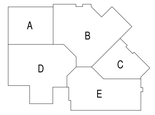
SECOND FLOOR CODE REVIEW SHEET

Sheet Number:
G0.2



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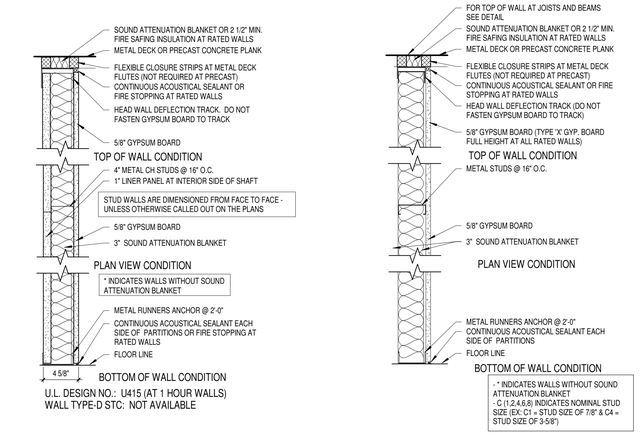
TYPICAL ABBREVIATIONS LIST

@	AT
A/C	AIR CONDITIONING
AC	ACOUSTIC WALL PANEL
ACC	ACCESS (IBLE)
ACCFLR	ACCESS FLOOR
ACOUS	ACOUSTIC(AL)
ADH	ADHESIVE
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
AL	ALUMINUM
ANCH	ANCHOR
AP	ACCESS PANEL
APPROX	APPROXIMATE
ARCH	ARCHITECT(URAL)
ASPH	ASPHALT
AT	ACOUSTICAL TILE
AUX	AUXILIARY
AVG	AVERAGE
BCJ	BRICK CONTROL JOINT
BIT	BITUMINOUS
BLDG	BUILDING
BLE	BRICK LEDGE ELEVATION
BLK	BLOCK(ING)
BM	BEAM
BOT	BOTTOM
BRG	BEARING
BRK	BRICK
BVL	BEVEL(ED)
BW	BOTH WAYS
C&G	CURB AND GUTTER
C/C	CENTER TO CENTER
CAB	CABINET
CB	CONCRETE BLOCK
CCJ	INTERIOR CMU CONTROL JOINT
CEM	CEMENT
CEN	CENTER
CFL	COUNTER FLASHING
CG	CORNER GUARD
CHAN	CHANNEL
C.I.P.	CAST-IN PLACE
CJ	CONTROL JOINT
CK	CAULK (ING)
CLG	CEILING
CLOS	CLOSET, CLOSURE
CLR ANDZ.	CLEAR ANODIZED
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
COR	CORNER
CORR	CORRIDOR
CPG	COPING
CPL	CEMENT PLASTER
CPT	CARPET
CSMT	CASEMENT
CSWK	CASEWORK
CT	CERAMIC TILE
CURT	CURTAIN
CUSP	CUSPIDOR
CW	CURTAIN WALL
DEMO	DEMOLITION
DEP	DEPRESSED
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DMPF	DAMPPROOFING
DN	DOWN
DPV	DEMOUNTABLE PARTITION W/ VINYL FINISH
DRS	DOORS
DS	DOWNSPOUT
DWL(S)	DOWEL(S)
DWR	DRAWER
EFS	EXTERIOR FINISH SYSTEM
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC(AL)
ELECT	ELECTRICAL
ELEV	ELEVATION
ENTR	ENTRANCE
EP	EPOXY PAINT
EPS	EXPANDED POLYSTYRENE
EW	EACH WAY
EWC	ELECTRIC WATER CHILLER
EXH	EXHAUST
EXIST. OR EX.	EXISTING
EXP	EXPOSED
EXT	EXTERIOR
F&I	FURNISH & INSTALL
FAB	FABRIC
FAS	FASTEN (ER)
FB	FACE BIRICK
FBO	FURNISHED BY OWNER
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FE-36	FIRE EXT. (AGENT 36 FOR COMPUTERS)
FEP	FINISHED END PANEL
FGL	FIBERGLASS
FH	FULL HEIGHT
FIN	FINISH
FL	FLOOR
FLASH	FLASHING
FLCO	FLOOR CLEANOUT
FLR	FLOOR(ING)
FLUOR	FLUORESCENT
FOIC	FURNISHED BY OWNER, INSTALLED BY CONTRACTOR
FOIO	FURNISHED BY OWNER, INSTALLED BY OWNER
FOIV	FURNISHED BY OWNER, INSTALLED BY VENDOR
FOM	FACE OF MASONRY
FOS	FACE OF STUDS
FOW	FACE OF WALL
FP	FIREPROOF (ING)
FRG	FIBERGLASS REINFORCED GYPSUM
FTF	FACE TO FACE
FTG	FOOTING
FV	FIELD VERIFY
FXTR	FIXTURE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GEN	GENERAL
GF	GROUND FACE
GFCMU	GROUND FACE CMU
GFI	GROUND FAULT INTERRUPTER
GFP	GROUND FAULT PROTECTOR
GL	GLASS or GLAZING
GLBLK	GLASS BLOCK
GLCMU	GLAZED CMU
GPL	GYPSUM LATH
GPT	GLAZED PAVER TILE
GR	GRADE
GRL	GRILLE
GYP	GYPSUM
GYP BD	GYPSUM BOARD
H&V	HEATING & VENTILATION
HB	HOSE/FAUCET BIBB or H-BEAM or HIGH BASE
HBD	HARDBOARD
HC	HOLLOW CORE
HDWD	HARDWOOD
HDWE	HARDWARE
HGT	HEIGHT
HM	HOLLOW METAL
HO	HOLD OPEN
HORIZ	HORIZONTAL
HR	HOUR
HTG	HEATING
HTR	HEATER
HVAC	HEATING/VENTILATING & AIR CONDITIONING
HYD	HYDRANT
INC	INCOMPLETE
INCL	INCLU(DE) (DED) (DING) (SIVE)
INFO	INFORMATION
INSUL	INSULAT (E) (ED) (ION)
INT	INTERIOR
INV	INVERT
JAN	JANITOR
JC	JANITOR'S CLOSET
JST	JOIST
JT	JOINT
KPL	KICK PLATE
LAB	LABORATORY
LAD	LADDER
LAM	LAMINAT(E) (ED) (ION)
LK	LOCK(ER) (S)
LOC	LOCATION
LT	LIGHT
LTL	LINTEL
LVR	LOUVER
MAS	MASONRY
MAX	MAXIMUM
MEZZ	MEZZANINE
MFR	MANUFACTURER
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MRD	METAL ROOF DECKING
MTD	MOUNTED
MTL	METAL
MWK	MILLWORK
N	NORTH
NA	NOT APPLICABLE
NC	NEW CONSTRUCTION
NIC	NOT IN CONTRACT
NO	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OH	OVERHEAD
OJ	OPEN-WEB JOIST
OP	OPERABLE PARTITION
OPP	OPPOSITE
PFN	PREFINISHED
PL	PLATE
PLAM	PLASTIC LAMINATE
P LAM	PLASTIC LAMINATE
PLAS	PLASTER
PLAS LAM	PLASTIC LAMINATE
PLBR	PLENUM BARRIER
PLMG	PLUMBING
PLYWD	PLYWOOD
PNL	PANEL
POL	POLISHED
PREC	PRECAST
PREC TERR	PRECAST TERRAZZO
PREFAB	PREFABRICATED
PRES TR	PRESSURE TREATED
PROJ	PROJECT(ION) (OR)
PT	PAINT
PV	PAV(ED) (ING)
PVMT	PAVEMENT
PWR	POWER
QT	QUARRY TILE
R	RISER
RB	RUBBER BASE
RCB	RUBBER COVE BASE
RD	ROOF DRAIN
REINF	REINFORCING
REM	REMOV(E) (ED) (ABLE)
REQ'D	REQUIRED
RFG	ROOFING
RL	RAIL (ING)
RM	ROOM
ROW	RIGHT OF WAY
RS	ROUGH SLAB
RUB	RUBBER
S	SEALED
SAB	SOUND ATTENUATION BATT
SAN	SANITARY
SB	SPLASH BLOCK
SC	SOLID CORE
SCHED	SCHEDULE
SEAL	SEALANT
SF	STOREFRONT
SHV	SHEL(F) (VING)
SHT	SHEET (ING)
SHTG	SHEATHING
SI	SQUARE INCH
SIM	SIMILAR
SJ	SEALANT JOINT
SK	SINK
SKLT	SKYLIGHT
SOG	SLAB ON GRADE
SPEC	SPECIFICATION
SPEC(S)	SPECIFICATION(S)
SPKR	SPEAKER
SPORT(S)	SPORT SURFACES OR FLOOR
SQ	SQUARE
SS	STAINLESS STEEL
ST	STAIN
STD	STANDARD
STG	SEATING
STL	STEEL
STM	STEAM
STN	STONE
STOR	STORAGE
STRUCT	STRUCTURE OR STRUCTURAL
SUSP ATC	SUSPENDED ACOUSTICAL TILE CEILING
SV	SHEET VINYL
SYS	SYSTEM
T/	TOP OF
T&G	TONGUE & GROOVE
TCJ	THRU-WALL CONTROL JOINT
TEL	TELEPHONE
TEMP	TEMPERATURE, TEMPORARY, TEMPERED
TERR	TERRAZZO
TERR T	TERRAZZO TILE
TLE	TOP OF (BRICK) LEDGE
TP	TOILET PARTITION
TR	TREADS
TS	TACK SURFACE
TYP	TYPICAL
UC	UNDERCUT
UNFIN	UNFINISHED
UR	URINAL
UTIL	UTILITY
UV	UNIT VENTILATOR, ULTRA VIOLET (LIGHT)
V	VINYL
VB	VAPOR BARRIER or VINYL BASE
VCT	VINYL COMPOSITION TILE
VEN	VENEER
VERT	VERTICAL(LY)
VEST	VESTIBULE
VF	VINYL FABRIC
VJ	V-JOINT
VOL	VOLUME
VP	VENEER PLASTER
W/	WITH
WB	WOOD BASE
WD	WOOD
WDW	WINDOW
WGL	WIRE GLASS
WP	WEATHERPROOF
WRB	WARDROBE
WSCT	WAINSCOT
WTW	WALL TO WALL
WWF	WELDED WIRE FABRIC
YD	YARD
YR	YEAR

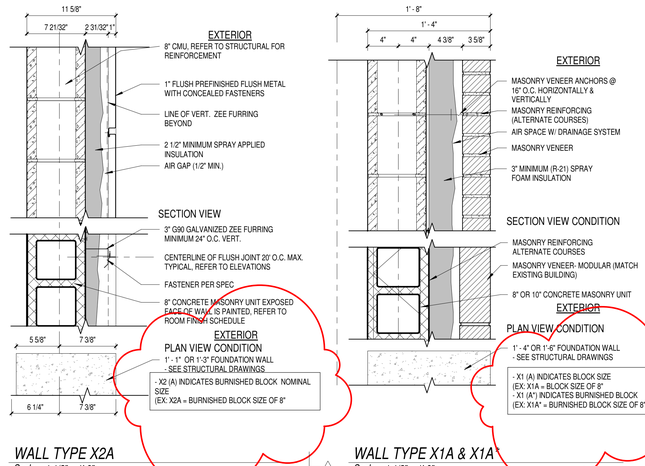


WALL TYPE D & D*
Scale 1 1/2" = 1'-0"

WALL TYPE C & C*
Scale 1 1/2" = 1'-0"

WALL TYPE B, B* & B+
Scale 1 1/2" = 1'-0"

WALL TYPE A & A*
Scale 1 1/2" = 1'-0"

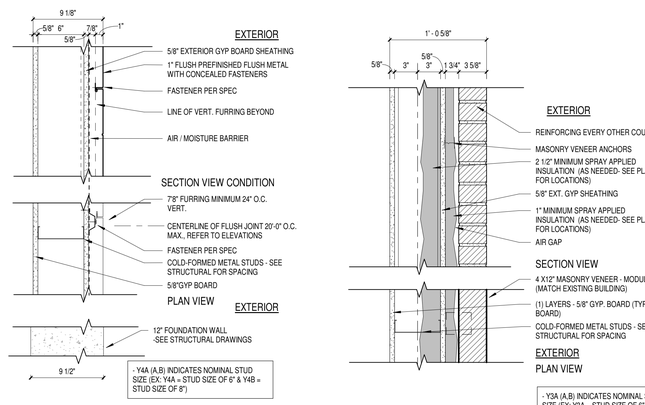


WALL TYPE X2A
Scale 1 1/2" = 1'-0"

WALL TYPE X1A & X1A*
Scale 1 1/2" = 1'-0"

WALL TYPE H & H* (6,8,10,12)
Scale 1 1/2" = 1'-0"

WALL TYPE G & G* (6,8,10,12)
Scale 1 1/2" = 1'-0"



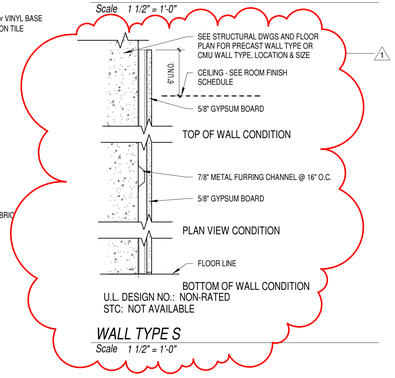
WALL TYPE Y4A/Y4B
Scale 1 1/2" = 1'-0"

WALL TYPE Y3A/ Y3B
Scale 1 1/2" = 1'-0"

WALL TYPE Y2A/Y2B
Scale 1 1/2" = 1'-0"

WALL TYPE Y1A/ Y1B
Scale 1 1/2" = 1'-0"

WALL TYPE X3A/X3B
Scale 1 1/2" = 1'-0"



WALL TYPE S
Scale 1 1/2" = 1'-0"

GENERAL NOTES

1. REFER TO SHEET G2.0 & G2.1 FOR WALL TYPES AND SHEET A1.3 FOR TYPICAL MOUNTING HEIGHTS. REFER TO INTERIOR ELEVATION SHEETS FOR ROOM SPECIFIC FIXTURE MOUNTING HEIGHTS.
2. REFER TO SHEET A6.9 FOR FLOOR TRANSITION DETAILS.
3. REFER TO SHEET A6.9 FOR TYPICAL FLOOR BASE CONDITIONS.
4. PITCH ALL CONCRETE STOOPS 1/4 PER FOOT AWAY FROM BUILDING.
5. DIMENSIONS FOR STUD WALLS ARE TO FINISH FACE OF WALL, UNLESS OTHERWISE INDICATED. CMU WALLS ARE DIMENSIONED TO FACE OF WALL.
6. REFER TO SHEET A6.9 FOR BLOCKING AND STRAPPING FOR WALL MOUNTED EQUIPMENT INCLUDING CABINETS, TRIM, COAT HOOKS, ETC.
7. REFER TO CODE REVIEW PLAN & FLOOR PLANS FOR RATED WALL LOCATIONS.
8. HOUSEKEEPING PADS BY GENERAL CONTRACTOR. SEE PLUMBING, HVAC & ELECTRICAL DRAWINGS FOR LOCATIONS.
9. FIRE STOP ALL PENETRATIONS INCLUDING BUT NOT LIMITED TO STEEL JOISTS & BEAMS, PIPING AND DUCTWORK THRU RATED WALLS.
10. REFER TO SHEET A6.8 FOR TYPICAL FIRE EXTINGUISHERS CABINET DETAILS. FULLY RECESSED WHERE WALL DEPTH ALLOWS
11. REFER TO SHEET A6.8 FOR CORNER GUARD DETAIL. CORNER GUARDS WILL BE LOCATED AT ALL OUTSIDE GYP. BOARD CORNERS AND EXTEND 48" ABOVE WALL BASE. COLOR WILL MATCH PAINT COLOR OF WALL (REFER TO ROOM FINISH SCHEDULE).
12.
13. SEE SHEET A6.5 FOR BRICK CONTROL JOINT (B.C.J.) DETAIL.
14. IDENTIFY WITH PAINTED LETTERING "FIRE WALL" AND "FIRE BARRIER WALL" ABOVE CEILING AT 20'-0" O.C. MAX., BOTH SIDES OF WALL. SEE OVERALL PLANS FOR LOCATION OF RATED WALLS.
15.
16. REFER TO SHEETS A6.11 FOR RAILING TYPES AND DETAILS
17. REFER TO FINISH PLANS FOR THE LOCATIONS OF MOTORIZED WINDOW SHADES AND HORIZONTAL LOUVER BLINDS
18. REFER TO STRUCTURAL FOR LOCATION OF STEEL CROSS BRACING WITHIN WALLS.
19. ALL CORRIDOR LOCKERS AND ALL LOCKER ROOM LOCKERS TO HAVE 4" CONCRETE BASE - SEE TYPICAL LOCKER DETAILS ON A6.8.

SYMBOL LEGEND

Material Symbols

Earth
Concrete Block
Concrete
Face Brick
Grave
Batt Insulation
Rigid Insulation
Rough
Finish Wood
Plywoo
Gypsum Board
Steel
Aluminum

Graphic Symbols

ROOM NAME 101 — Room Name Room
A101 SIM — Section Number
1 A101 SIM — Section Number
1 A101 SIM — Detail Number Sheet
A000A — Door
W-4 — Window
1 — Key Note
1i — Wall Type
FLOOR LEVEL 114' - 0" — Vertical Working Point Elevation
Material Length — Markerboard (M) Chalkboard (C) Tackboard (T) Visual Display (V)

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Project Title:
ADDITION AND RENOVATION TO LITTLE CHUTE HIGH/ MIDDLE/ INTERMEDIATE SCHOOL
Little Chute Area School District
1402 Freedom Rd Little Chute, WI 54140

REVISIONS:

#	DATE	DESCRIPTION
1	9/25/17	ADD-1

Project Number:
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Issued For:
BID PACKAGE- 2 PROGRESS SET

Sheet Title:
WALL TYPE DETAILS

Sheet Number:
G0.3

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KEYNOTES:

1. STRIP/ STOCKPILE TOPSOIL IN GENERAL TURF AREAS WHICH INHIBITS CONSTRUCTION. REMOVE ALL TOPSOIL UNDER PROPOSED HARD SURFACE AREAS. EXPORT ALL EXCESS TOPSOIL
2. REMOVE CURB & GUTTER
3. SAWCUT EXISTING CONCRETE/ ASPHALT PAVEMENT
4. REMOVE LANDSCAPE BEDS/ OR TREES
4A. MAINTAIN LANDSCAPE BEDS/ OR TREES
5. REMOVE EXISTING LIGHT POLES. ABANDON UNDERGROUND ELECTRICAL LINES.
6. REMOVE EXISTING STORM INLETS. CAP STORM LINES IF REQUIRED
7. REMOVE/ SALVAGE EXISTING SIGNS
8. MAINTAIN EXISTING UTILITES
9. REMOVE/ SALVAGE MEMORIAL PLAQUES
10. LOWER WATERMAIN, MAINTAIN 6.5' COVER. SEE GRADING PLAN FOR PROPOSED ELEVATIONS
11. REMOVE EXISTING FENCE AS REQUIRED FOR ADDITION OF NEW PROPOSED 8' WIDE GATE
12. MAINTAIN EXISTING HYDRANT W/ VALVE
13. MAINTAIN EXISTING 4' HIGH FENCE
14. MAINTAIN EXISTING 6' HIGH FENCE
15. MAINTAIN EXISTING INLET
16. RAISE EXISTING INLET GRATE. SEE GRADING PLAN
17. LOWER EXISTING WATER VALVE, SEE GRADING PLAN

DEMOLITION LEGEND

REMOVE ASPHALT/BASE COURSE

REMOVE CONCRETE/BASE COURSE

GENERAL NOTES:

1. CONTACT DIGGER'S HOTLINE 5 WORKING DAYS PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
2. ALL DEMOLITION MATERIALS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER EXCEPT FOR THOSE ITEMS NOTED TO BE SALVAGED, WHICH SHOULD BE TURNED OVER TO THE OWNER.
3. INSTALL ALL REQUIRED EROSION CONTROL MEASURES FOR PERIMETER PROTECTION PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
4. ALL BIDDERS PLANNING ON SUBMITTING A BID SHALL VISIT THE SITE AND REVIEW THE EXISTING CONDITIONS PRIOR TO THE BID DATE.
5. COORDINATE WITH THE OWNER AND LOCAL UTILITY COMPANIES TO LOCATE ANY EXISTING PRIVATE UTILITIES ON SITE PRIOR TO THE START OF WORK.
6. VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO THE START OF WORK.
7. STRIP TOPSOIL WITHIN THE PROJECT LIMITS IN ACCORDANCE WITH THE PROJECT MANUAL SPECIFICATIONS.
8. PRIOR TO PERFORMING WORK WITHIN PUBLIC RIGHT OF WAYS, NOTIFY AND COORDINATE WORK WITH THE LOCAL MUNICIPALITY.
9. ALL CONTRACTORS SHALL KEEP CONSTRUCTION EQUIPMENT AND MATERIAL STORAGE ON SITE IN AREAS OUTSIDE THE GENERAL LIMITS OF EVERYDAY CONSTRUCTION.
10. PROJECT LIMITS LINE LOCATION IS APPROXIMATE AND SHOWN FOR REFERENCE ONLY. SEE PLANS AND SPECIFICATIONS FOR ALL ITEMS THAT ARE TO BE PART OF THE PROPOSED CONSTRUCTION.
11. ANY EXISTING SIDEWALK DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AS PART OF PROJECT CONSTRUCTION.

SURVEY LEGEND

These standard symbols will be found in the drawing.

- SANITARY SEWER
- STORM SEWER
- OVERHEAD UTILITIES
- BURIED ELECTRIC
- BURIED GAS
- BURIED TELEPHONE
- BURIED TELEVISION
- WATERMAIN
- FIBER OPTICS
- IRRIGATION LINE
- FENCE LINE
- EDGE OF BITUMINOUS
- CONTOUR LINE
- RECTANGULAR CATCH BASIN
- CIRCULAR CATCH BASIN
- SQUARE CATCH BASIN
- SANITARY MANHOLE
- ELECTRIC OUTLET
- LIGHTPOLE
- POWERPOLE
- FLOOD LIGHT
- GUY WIRE
- GAS METER
- TELEPHONE PEDESTAL
- CABLE TV PEDASTAL
- GAURD POST
- VENT PIPE
- CLEAN OUT
- POST
- CONTROL BOX
- SIGN
- FLAGPOLE
- ROOF DRAIN
- MEMORIAL PLAQUE
- STORM MANHOLE
- UTILITY MANHOLE
- WATER VALVE
- HYDRANT
- IRRIGATION HEAD
- ELECTRIC MANHOLE
- ELECTRIC METER
- ELECTRIC TRANSFORMER
- BASKETBALL HOOP
- BUSH/SHRUB
- HEDGE
- TREE
- PINE TREE
- COMPUTED PROPERTY CORNER
- 1-1/4" O.D. IRON PIPE FOUND
- 3/4" O.D. IRON BAR FOUND
- MAG NAIL FOUND
- CHISELED "X" FOUND
- RECORDED AS

BENCH MARK

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

BENCHMARK #1
BURY BOLT ON FIRE HYDRANT LOCATED NEAR THE SOUTHEAST CORNER OF THE SCHOOL. HYDRANT ON THE NORTH SIDE OF ROAD AT THE WEST END OF MEULEMANS STREET.
ELEVATION = 727.58

BENCHMARK #2
BURY BOLT ON FIRE HYDRANT LOCATED NORTHEAST OF SCHOOL. HYDRANT IS LOCATED BETWEEN SCHOOL BUILDING AND THE FOOTBALL STADIUM.
ELEVATION = 724.54

BENCHMARK #3
BURY BOLT ON FIRE HYDRANT LOCATED ON NORTH SIDE OF SCHOOL NEAR THE NORTH ENTRANCE. HYDRANT IS SOUTHWEST OF THE MAINTENANCE GARAGE.
ELEVATION = 725.79

BENCHMARK #4
NORTHWEST BOLT ON SOUTHWEST LIGHT POLE BASE IN NORTH PARKING LOT. LIGHT POLE IS LOCATED NORTH OF THE SCHOOL.
ELEVATION = 728.93

BENCHMARK #5
NORTHEAST FLANGE BOLT ON FIRE HYDRANT LOCATED ON THE EAST SIDE OF FREEDOM ROAD. HYDRANT IS SOUTH OF THE "NORTH EXIT DRIVE" TO SCHOOL
ELEVATION = 738.86

BENCHMARK #6
BURY BOLT ON FIRE HYDRANT LOCATED IN THE SOUTH WEST QUADRANT OF FLORIDA AVENUE AND KELLY ROAD.
ELEVATION = 721.54

SURVEYOR'S NOTES

IRRIGATION LINE LOCATION BASED ON MAPPING PROVIDED BY THE SCHOOL DISTRICT OF LITTLE CHUTE.

PUBLIC WATERLINE SIZES BASED ON MAPPING PROVIDED BY THE VILLAGE OF LITTLE CHUTE.

DESCRIPTION

BEING LOCATED IN THE SOUTHWEST ¼ OF THE SOUTHWEST ¼ OF SECTION 15, TOWNSHIP 21 NORTH, RANGE 18 EAST, VILLAGE OF LITTLE CHUTE, OUTAGAMIE COUNTY, WISCONSIN.

UNDERGROUND UTILITIES

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE SURVEYOR AND ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT.

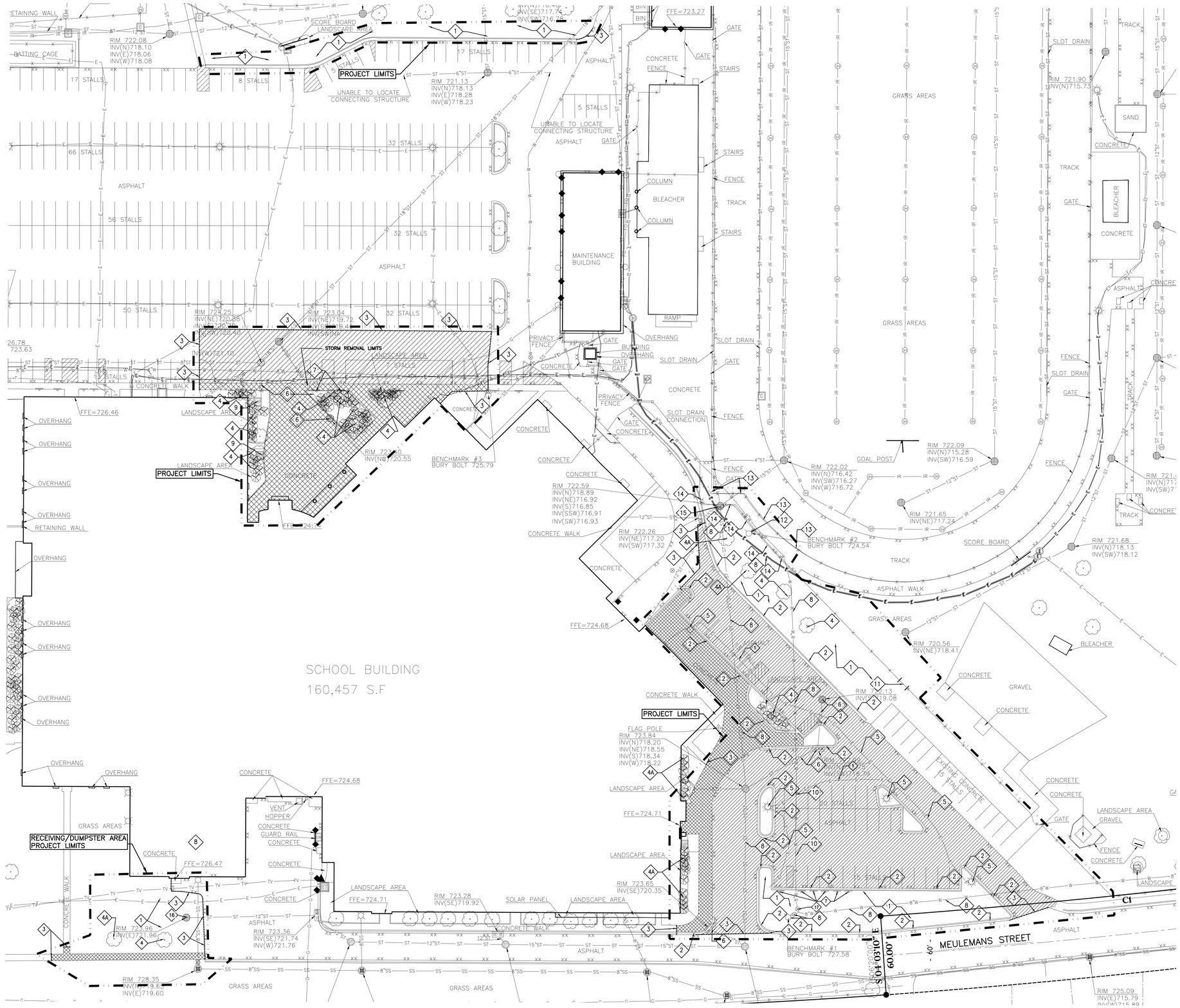
SOME UTILITIES HAVE BEEN LOCATED BY MAPS PROVIDED BY OTHERS – LOCATIONS ARE APPROXIMATE.

PRIVATE UTILITIES MAY EXIST BUT ARE NOT SHOWN ON MAP. CONTACT DIGGERS HOTLINE FOR LOCATIONS.

FIELD VERIFY SANITARY AND STORM SEWER PIPE SIZE AND LOCATION.

UNDERGROUND UTILITIES SHOWN ON THIS MAP ARE BASED IN PART ON MARKINGS BY DIGGERS HOTLINE. (TICKET #20152812429)

0' 30' 60' 90'
Scale 1"=30'



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Project Title:
ADDITION AND RENOVATION TO
LITTLE CHUTE HIGH/ MIDDLE/ INTERMEDIATE SCHOOL
Little Chute Area School District
1402 Freedom Rd Little Chute, WI 54140

REVISIONS:
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Issued For:
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Sheet Title:
SITE DEMOLITION PLAN

Sheet Number:
C100

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GENERAL NOTES:

1. CONTACT DIGGER'S HOTLINE 5 WORKING DAYS PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
2. ALL REQUIRED DIGGERS HOTLINE LOCATES AND PRIVATE UTILITY LOCATES SHALL BE ORDERED AND PAID FOR BY EACH CONTRACTOR REQUIRING THE LOCATE SERVICE.
3. COORDINATE WITH THE OWNER TO LOCATE ANY ON SITE PRIVATE UTILITIES 5 WORKING DAYS PRIOR TO THE START OF WORK.
4. PRIOR TO THE START OF WORK, INSTALL ALL REQUIRED PROTECTIVE EROSION CONTROL MEASURES.
5. ANY EXISTING UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED AND OR ADJUSTED SHALL BE COORDINATED WITH APPLICABLE UTILITY COMPANY.
6. ALL CONTRACTORS PLANNING ON SUBMITTING A BID SHALL VISIT THE SITE AND REVIEW THE EXISTING CONDITIONS PRIOR TO THE BID DATE.
7. SEED, FERTILIZE AND CRIMP MULCH ALL GENERAL LANDSCAPE AREAS THAT ARE DISTURBED DURING CONSTRUCTION IN ACCORDANCE WITH THE PROJECT MANUAL SPECIFICATIONS.
8. ALL DIMENSIONS REFERENCED PARALLEL OR PERPENDICULAR TO PROPOSED ENTITIES SHOWN.

KEYNOTES:

1. THICKENED EDGE WALK (4 C105)
2. 30" CURB & GUTTER (3 C105)
2A. 30" FLOWLINE CURB (7 C105)
2B. 30" ROLLED CURB & GUTTER (8 C105)
3. PARKING LOT STRIPING (9 C105)
4. ADA RAMP (5 C105)
5. ADA SIGN (6 C105)
6. INSTALL 10' WIDE DRIVE APRON
7. RELOCATED MUSTANG STATUE. SEE ARCHITECTURAL PLANS
8. SEED/ FERTILIZE/ MULCH ALL DISTURBED GRASS AREAS
9. SAWCUT/ ASPHALT PATCH EXISTING ROAD AS REQUIRED FOR CURB GUTTER INSTALLATION
10. INSTALL NEW 8' WIDE X 6' HIGH GATE IN EXISTING FENCE

SITE SURFACE LEGEND

PROPOSED 3.50" ASPHALT PAVEMENT
12" DENSE GRADED BASE
12" BREAKER RUN W/ SEPARATION FABRIC — (1 C105)

PROPOSED 4" CONCRETE PAVEMENT
6" DENSE GRADED BASE — (2 C105)

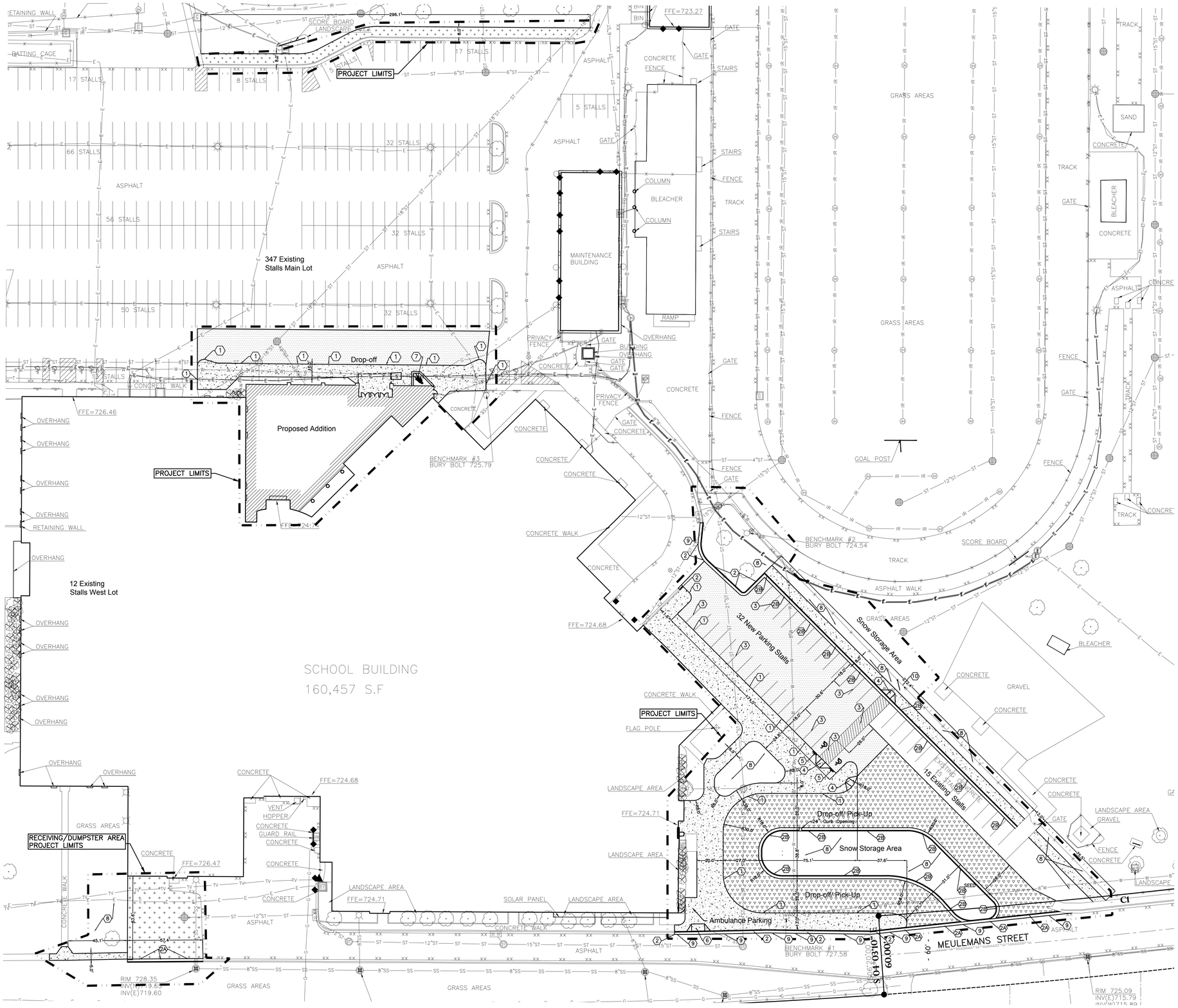
PROPOSED 3.50" ASPHALT PAVEMENT
12" DENSE GRADED BASE
12" BREAKER RUN W/ SEPARATION FABRIC — BASE BID (1 C105)

6" REINFORCED CONCRETE
12" DENSE GRADED BASE
12" BREAKER RUN W/ SEPARATION FABRIC — ALTERNATE BID

PROPOSED 3.50" ASPHALT PAVEMENT
12" DENSE GRADED BASE
12" BREAKER RUN W/ SEPARATION FABRIC — RECEIVING/ DUMPSTER AREA BASE BID (1 C105)

6" REINFORCED CONCRETE
12" DENSE GRADED BASE
12" BREAKER RUN W/ SEPARATION FABRIC — RECEIVING/ DUMPSTER AREA ALTERNATE BID

0' 30' 60' 90'
Scale 1"=30'



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SITE LAYOUT PLAN

Sheet Number:
C101

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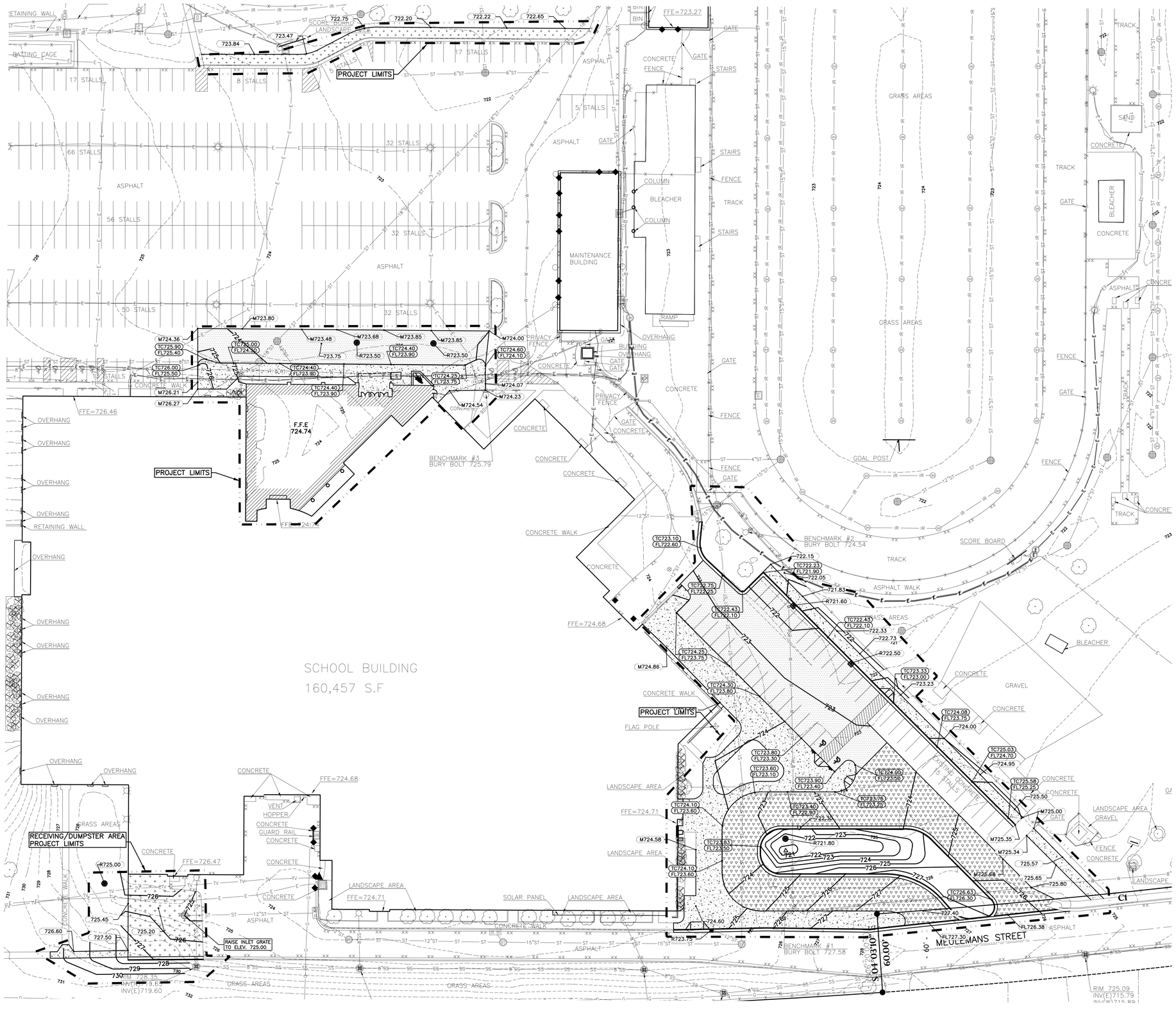
GENERAL NOTES:

1. CONTACT DIGGER'S HOTLINE 5 WORKING DAYS PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
2. GRADE, LINE, AND LEVEL TO BE REVIEWED IN THE FIELD BY THE CONSTRUCTION MANAGER.
3. INSTALL ALL REQUIRED EROSION CONTROL MEASURES IN ACCORDANCE WITH LOCAL AUTHORITIES AND THE DEPARTMENT OF NATURAL RESOURCES REGULATIONS.
4. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED IN ACCORDANCE WITH THE DEPARTMENT OF NATURAL RESOURCES, LOCAL AUTHORITIES REGULATIONS.
5. 6" OF TOPSOIL SHALL BE PROVIDED IN ALL GENERAL LAWN AREAS.
6. SEE EROSION CONTROL PLAN FOR ALL REQUIRED EROSION CONTROL ELEMENTS.
7. COORDINATE ALL EARTHWORK ACTIVITIES WITH GAS, ELECTRIC, (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS AND SIGNAGE) CABLE AND TELEPHONE CONSTRUCTION AND RESPECTIVE TRADES FOR THE INSTALLATION OF SAID UTILITIES.
8. ALL TESTING AND INSPECTION SHALL BE DONE IN ACCORDANCE WITH SPS 382.21.
9. THE LOCAL MUNICIPALITY SHALL BE CONTACTED PRIOR TO ANY EXCAVATION IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL HAVE HIS TRAFFIC CONTROL PLAN APPROVED PRIOR TO WORK COMMENCING. THE LOCAL MUNICIPALITY SHALL OPERATE ALL EXISTING WATER VALVES IF NEEDED.

GRADING LEGEND:

EXISTING CONTOUR	721
PROPOSED CONTOUR	722
PROPOSED SPOT ELEVATION	721.26
PROPOSED RIM ELEVATION	R720.00
TOP CONCRETE ELEVATION	TC748.00
FLOWLINE OF CONCRETE ELEVATION	FL747.50
MATCH EXISTING ELEVATION, FIELD VERIFY	M720.00
PROPOSED STORM INLET	10 C105

0' 30' 60' 90'
Scale 1"=30'



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Sheet Title:
SITE GRADING PLAN

Sheet Number:
C102

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GENERAL NOTES:

1. CONTACT DIGGER'S HOTLINE 5 WORKING DAYS PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
2. NOTIFY THE LOCAL MUNICIPALITY AT LEAST 2 WORKING DAYS PRIOR TO THE START OF SOIL DISTURBING ACTIVITIES.
3. INSTALL ALL TEMPORARY EROSION CONTROL ELEMENTS PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
4. ALL ACTIVITIES SHALL BE CONDUCTED IN A LOGICAL SEQUENCE AS TO MINIMIZE THE AMOUNT OF BARE SOIL EXPOSED AT ANY ONE TIME. MAINTAIN EXISTING VEGETATION AS LONG AS POSSIBLE.
5. CRUSHED ROCK DRIVES FOR SEDIMENT TRACKING UTILIZING 3" CRUSHED ROCK SHALL BE MAINTAINED AT ALL CONSTRUCTION ENTRANCES TO THE SITE. THE ROCK DRIVE SHALL BE A MINIMUM OF 12" THICK AND BE A MINIMUM OF 50 FEET IN LENGTH BY THE WIDTH OF THE DRIVEWAY.
6. OFF SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF A STORM EVENT SHALL BE CLEANED UP BY THE END OF THE NEXT WORK DAY. ALL OFF SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF CONSTRUCTION ACTIVITIES, INCLUDING SOIL TRACKED BY CONSTRUCTION TRAFFIC, SHALL AT A MINIMUM BE CLEANED BY THE END OF EACH WORK DAY. EXCESSIVE AMOUNTS OF SEDIMENT OR OTHER DEBRIS TRACKED ONTO ADJACENT STREETS SHALL BE CLEANED BY THE END OF EACH WORK DAY. EXCESSIVE AMOUNTS OF SEDIMENT OR OTHER DEBRIS TRACKED ONTO ADJACENT STREETS SHALL BE CLEANED IMMEDIATELY. FINE SEDIMENT ACCUMULATIONS SHALL BE CLEANED FROM ADJACENT STREETS BY THE USE OF MECHANICAL OR MANUAL SWEEPING OPERATIONS ONCE A WEEK AT A MINIMUM AND BEFORE IMMINENT RAIN EVENTS.
7. WASTE MATERIAL THAT IS GENERATED ON THE CONSTRUCTION SITE SHALL BE PROPERLY DISPOSED OF AND NOT ALLOWED TO RUN INTO RECEIVING WATERS.
8. EROSION CONTROL DEVICES DESTROYED AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE REPAIRED BY THE END OF EACH WORK DAY.
9. INSPECT ALL EROSION CONTROL MEASURES AT LEAST ONCE A WEEK AND AFTER ANY RAINFALL OF 0.5" OR MORE. MAKE NEEDED REPAIRS AND DOCUMENT ALL ACTIVITIES AS PER THE REQUIREMENTS OF THE NOTICE OF INTENT SUBMITTED BY THE PROJECT CIVIL ENGINEER.
10. ALL TEMPORARY EROSION CONTROL ELEMENTS SHALL REMAIN IN PLACE UNTIL A SUFFICIENT GROWTH OF VEGETATION IF ESTABLISHED AND THEN BE REMOVED AS PART OF THE BASE BID.
11. IF SEDIMENT LADEN WATER NEEDS TO BE REMOVED FROM THE SITE, FILTER BAGS OR SCREENING SHALL BE USED IN ACCORDANCE WITH THE WI DNR TECHNICAL STANDARDS 1061 TO PREVENT THE DISCHARGE OF SEDIMENT TO THE MAXIMUM EXTENT PRACTICABLE.
12. THE CONTRACTOR SHALL ONLY USE PHOSPHORUS FREE FERTILIZER FOR ALL LANDSCAPE APPLICATIONS.
13. THE CONTRACTOR SHALL PERFORM INSPECTIONS AND MONITORING OF EROSION CONTROL PRACTICES IN ACCORDANCE WITH THE WI DNR "CONSTRUCTION SITE INSPECTION REPORT" FORM 3400-187. THIS FORM CAN BE FOUND IN THE CONSTRUCTION SPECIFICATIONS.

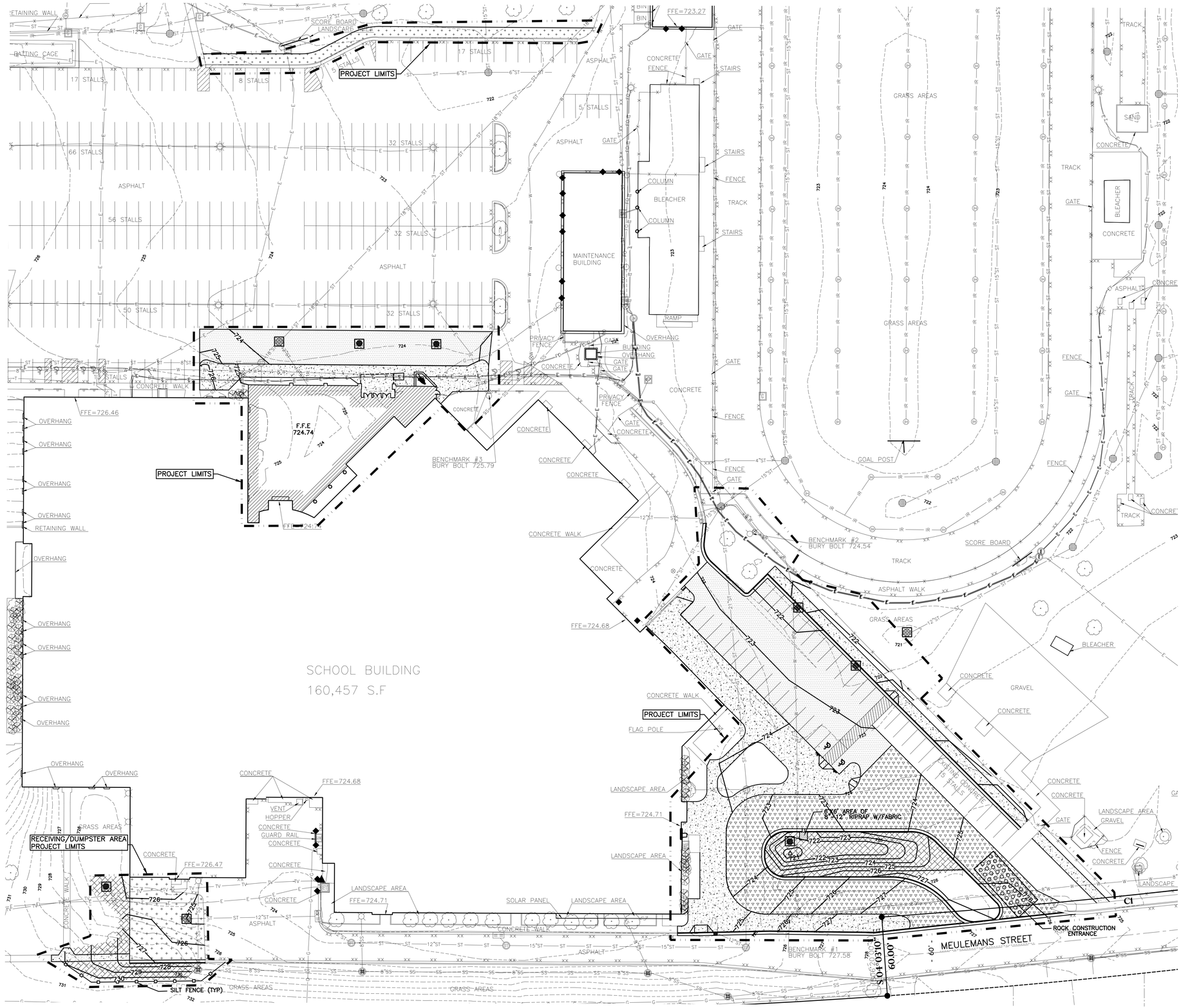
EROSION CONTROL LEGEND:

PROPOSED SILT FENCE		15 / C105
PROPOSED INLET PROTECTION		16 / C105
EROSION CONTROL BLANKET		13 / C105, 14 / C105
ROCK CONSTRUCTION ENTRANCE		17 / C105

EROSION CONTROL SEQUENCING

1. INSTALL PERIMETER EROSION CONTROL.
2. BEGIN DEMOLITION
3. BEGIN ROUGH GRADING AND UTILITY INSTALLATION
4. DURING GRADING ACTIVITIES EXISTING GRASS AND VEGETATION, TO BE REMOVED, SHALL REMAIN IN PLACE FOR AS LONG AS POSSIBLE, TO AVOID SEDIMENT TRANSPORT.
6. TEMPORARY STABILIZATION ACTIVITY SHALL COMMENCE WHEN LAND DISTURBING CONSTRUCTION ACTIVITIES HAVE TEMPORARILY CEASED AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS.
7. FINAL STABILIZATION ACTIVITY SHALL COMMENCE WHEN LAND DISTURBING ACTIVITIES CEASE AND FINAL GRADE HAS BEEN REACHED ON ANY PORTION OF THE SITE.
8. IF DISTURBED AREAS MUST BE LEFT OVER WINTER, AN ANIONIC POLYACRYLAMIDE SHALL BE APPLIED TO ALL DISTURBED AREAS PRIOR TO GROUND FREEZE.

0' 30' 60' 90'
Scale 1"=30'



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715.344.9999(Ph)

Project Title:
ADDITION AND RENOVATION TO
LITTLE CHUTE HIGH/ MIDDLE/ INTERMEDIATE SCHOOL
Little Chute Area School District
1402 Freedom Rd Little Chute, WI 54140

REVISIONS:
1 8-31-2017

Project Number:
3294

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Sheet Title:
SITE EROSION CONTROL PLAN

Sheet Number:
C103

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GENERAL NOTES:

1. GRADE, LINE, AND LEVEL TO BE REVIEWED IN THE FIELD BY THE CONSTRUCTION MANAGER.
2. COORDINATE ALL UTILITY WORK WITH GAS, ELECTRICAL, (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS AND SIGNAGE) CABLE AND TELEPHONE CONSTRUCTION AND RESPECTIVE TRADES RESPONSIBLE FOR INSTALLATION OF SAID UTILITIES.
3. COORDINATE ALL WORK WITHIN THE PUBLIC RIGHT OF WAY WITH THE LOCAL MUNICIPALITY.
4. ALL TESTING AND INSPECTION SHALL BE DONE IN ACCORDANCE WITH SPS 382.21.
5. THE MUNICIPALITY SHALL BE CONTACTED PRIOR TO ANY EXCAVATION IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL HAVE HIS TRAFFIC CONTROL PLAN APPROVED PRIOR TO WORK COMMENCING. THE MUNICIPALITY SHALL OPERATE ALL EXISTING WATER VALVES IF NEEDED.
6. FIELD VERIFY LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITY CONNECTIONS PRIOR TO INSTALLATION.
7. ALL REQUIRED DIGGERS HOTLINE LOCATES AND PRIVATE UTILITY LOCATES SHALL BE ORDERED AND PAID FOR BY EACH CONTRACTOR REQUIRING THE LOCATE SERVICE.
8. MAINTAIN 6.5 COVER OVER PROPOSED WATERMAIN

UTILITY LEGEND:

PROPOSED STORM INLET	10 / C105
STORM SEWER ENDWALL STRUCTURE PROVIDE 12"-15" SIZE RIPRAP W/ FABRIC	
PROPOSED GATE VALVE	11 / C105
PROPOSED WATER MAIN	WM
PROPOSED STORM PIPE	
PROPOSED 6" UNDERDRAIN W/ SOCK	UD — 12 / C105

STORM INLET SCHEDULE:

INLET#1
RIM 723.50
INV (W) 720.13
DEPTH 3.37
36" CONCRETE INLET
NEENAH R-2573 GRATE

INLET#2
RIM 723.50
INV (E) 719.82
INV (W) 719.82
DEPTH 3.68
36" CONCRETE INLET
NEENAH R-2573 GRATE

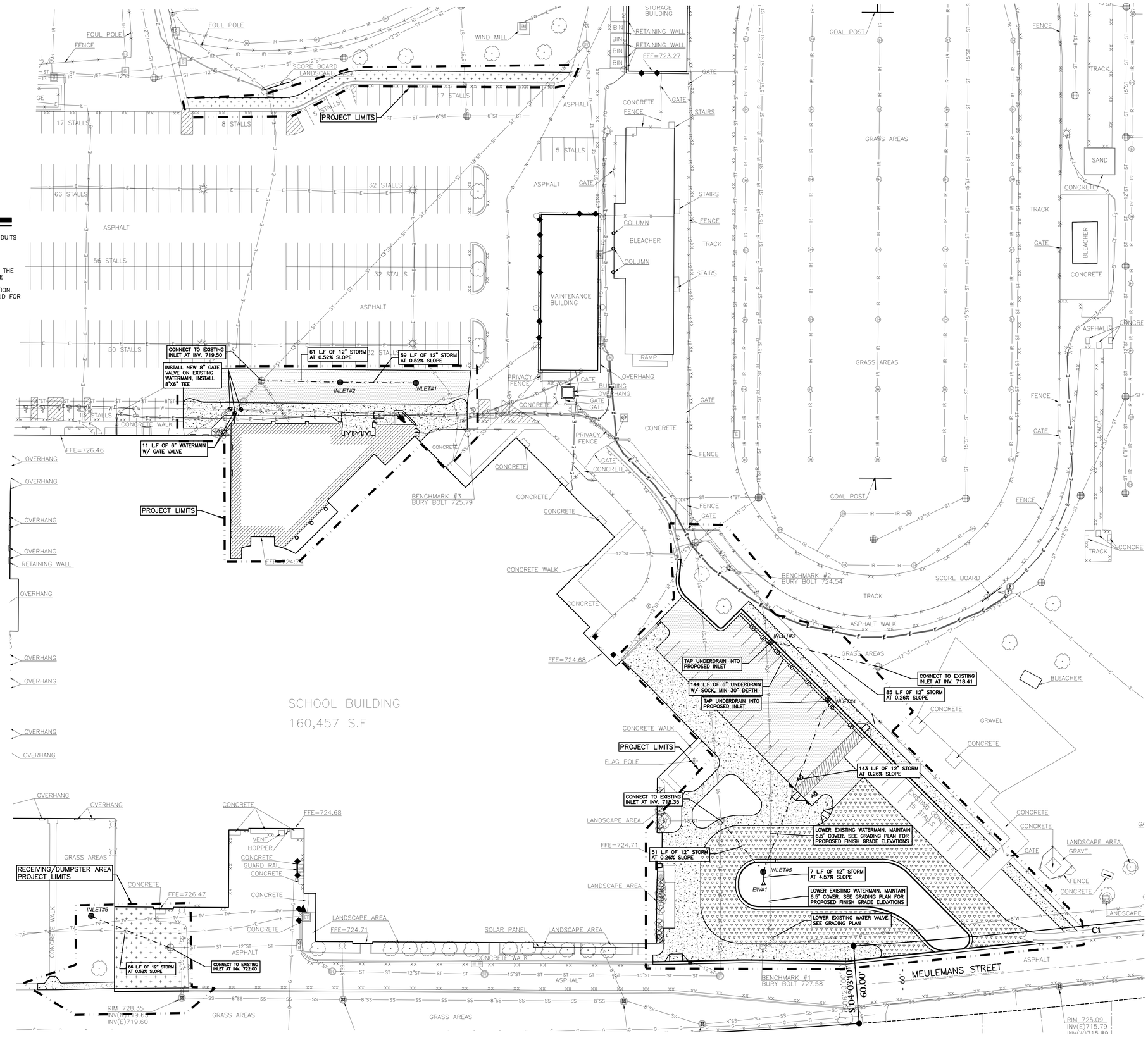
INLET#3
RIM 721.60
INV (E) 718.63
INV (SW 718.63
DEPTH 2.97
2'X3" CONCRETE INLET
NEENAH R-3501-TL GRATE

INLET#4
RIM 722.50
INV (SW) 718.85
INV (SW) 718.85
DEPTH 3.65
2'X3" CONCRETE INLET
NEENAH R-3501-TL GRATE

INLET#5
RIM 721.80
INV (NE) 718.48
INV (NW) 718.48
INV (S) 718.48
DEPTH 3.32
24" MODULAR INLET
BEEHIVE H-20 GRATE

INLET#6
RIM 725.00
INV (SE) 722.34
DEPTH 2.66
24" MODULAR INLET
H-20 LOCKABLE GRATE

EW#1
INV 718.80



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REVISIONS:
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Sheet Title:
SITE UTILITY PLAN

Sheet Number:
C104

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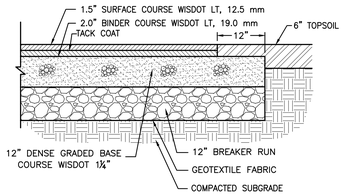
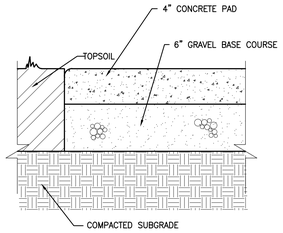
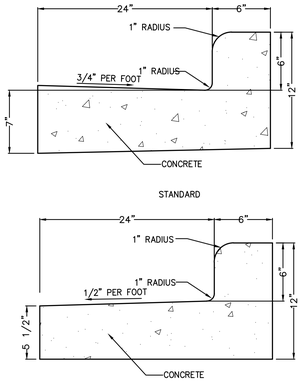


3.50" ASPHALT PAVEMENT W/ BREAKER RUN (1 / C105)



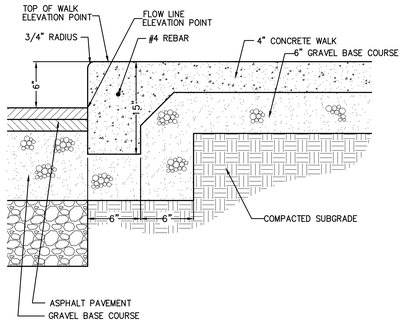
* SEE LAYOUT PLAN FOR CONCRETE LOCATIONS

4" CONCRETE PAVEMENT (2 / C105)

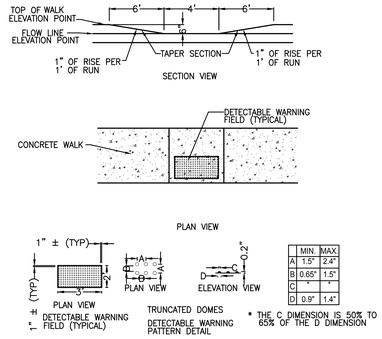


* SEE LAYOUT PLAN FOR CURB AND GUTTER LOCATIONS

30" STANDARD CONCRETE CURB AND GUTTER (3 / C105)



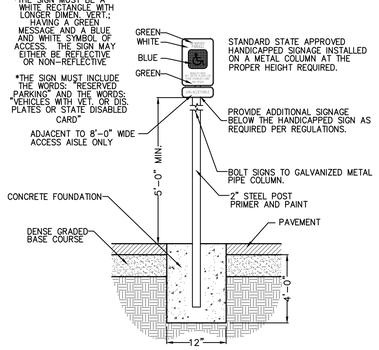
THICKENED EDGE WALK (4 / C105)



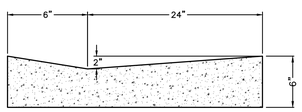
	MIN.	MAX
A	1.5"	2.4"
B	0.65"	1.5"
C	"	"
D	0.9"	1.4"

ADA CURB RAMP (5 / C105)

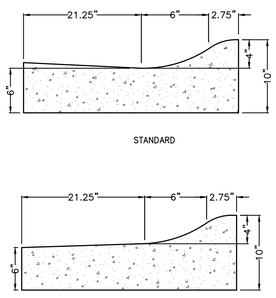
NOTES:
*THE SIGN MUST BE A WHITE, RECTANGLE, WITH LONGER DIMEN. VERT.; HAVING A GREEN MESSAGE AND A BLUE AND WHITE SYMBOL OF ACCESS. THE SIGN MAY EITHER BE REFLECTIVE OR NON-REFLECTIVE.
*THE SIGN MUST INCLUDE THE WORDS: "RESERVED PARKING" AND THE WORDS: "VEHICLES WITH VET. OR DIS. PLATES OR STATE DISABLED CARD"



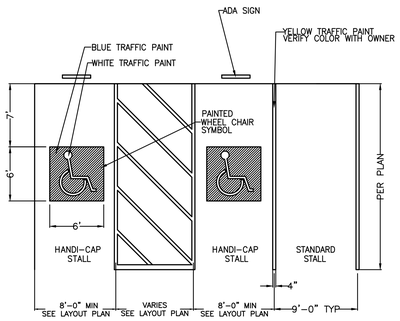
ADA PARKING SIGN (6 / C105)



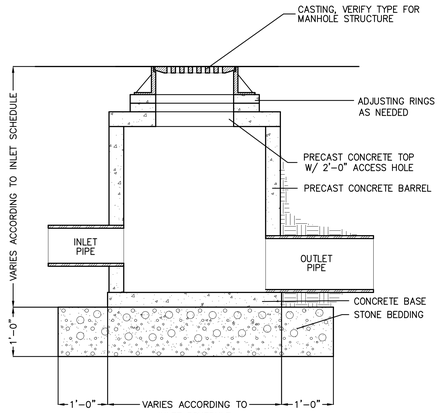
CONCRETE FLOWLINE CURB (7 / C105)



30" ROLLED CONCRETE CURB (8 / C105)

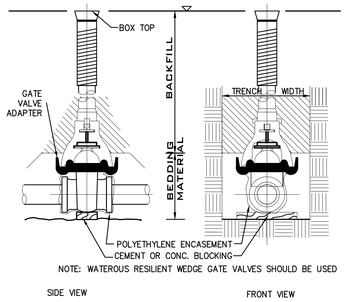


PARKING LOT STRIPING (9 / C105)



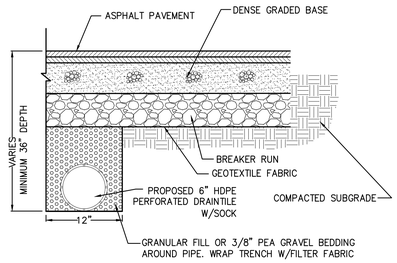
SEE THE STORM SEWER PLAN FOR INVERT AND RIM ELEVATIONS, LOCATIONS

CONCRETE STORM STRUCTURE (10 / C105)

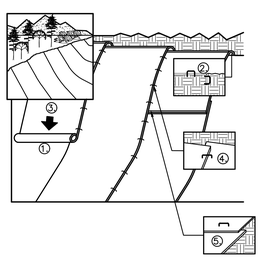


NOTE: WATEROUS RESILIENT WEDGE GATE VALVES SHOULD BE USED

WATER VALVE (11 / C105)

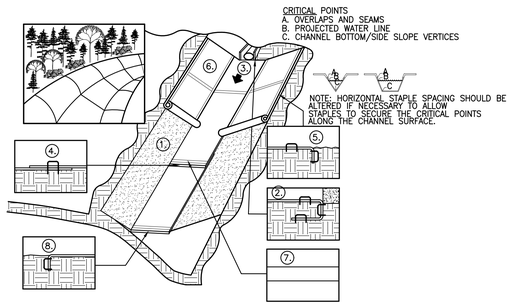


DRAINTILE INSTALLATION (12 / C105)



GENERAL NOTES:
1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP BY 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
3. ROLL THE BLANKETS DOWN THE SLOPE IN THE DIRECTION OF THE WATER FLOW.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP. WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 6" OVERLAP. STAPLE THROUGH OVERLAPPED AREA APPROXIMATELY 12" APART.

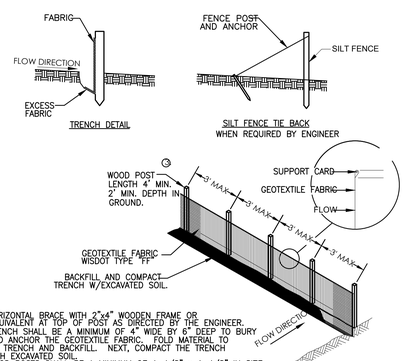
EROSION CONTROL BLANKETS (13 / C105)



GENERAL NOTES:
1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP BY 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
3. ROLL CENTER BLANKET IN DIRECTION OF WATER FLOW ON BOTTOM OF CHANNEL.
4. PLACE BLANKETS END OVER END (SHINGLE STYLE), WITH A 6" OVERLAP. USE A DOUBLE ROW OF STAGGERED STAPLES 4" APART TO SECURE BLANKETS.
5. FULL LENGTH EDGE OF BLANKETS AT TOP OF SIDE SLOPES MUST BE ANCHORED IN 6" DEEP x 6" WIDE TRENCH BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
6. BLANKETS ON SIDE SLOPES MUST BE OVERLAPPED 4" OVER THE CENTER BLANKET AND STAPLED.
7. IN MEDIUM/HIGH FLOW CHANNEL APPLICATIONS, A STAPLE CHECK SLOT IS RECOMMENDED AT 30 TO 40 FOOT INTERVALS. USE A ROW OF STAPLES 4" APART OVER ENTIRE WIDTH OF CHANNEL. PLACE A SECOND ROW OF 4" BELOW THE FIRST ROW IN A STAGGERED PATTERN.

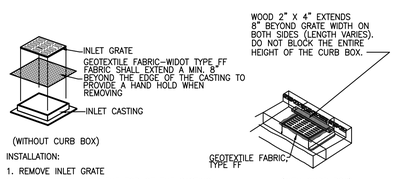
AND COMPACT THE TRENCH AFTER STAPLING.

EROSION CONTROL BLANKETS (14 / C105)



NOTES:
1. HORIZONTAL BRACE WITH 2"x4" WOODEN FRAME OR EQUIVALENT AT TOP OF POST AS DIRECTED BY THE ENGINEER.
2. TRENCH SHALL BE A MINIMUM OF 4" WIDE BY 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL. NEXT, COMPACT THE TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM OF 1-1/8" x 1-1/8" IN SIZE AND BE MADE FROM OAK OR HICKORY.
4. ATTACH THE FABRIC TO THE POST WITH WIRE STAPLES OR WOODEN LATH AND NAILS.
5. WOOD POSTS SHALL MAINTAIN A 3' MAXIMUM SPACING WHEN USING STANDARD GEOTEXTILE FABRIC. WHEN WOVEN GEOTEXTILE FABRIC IS USED, THE WOOD POSTS MAY BE SPACED UP TO 8' APART.

SILT FENCE (15 / C105)



(WITHOUT CURB BOX)

INSTALLATION:
1. REMOVE INLET GRATE
2. PLACE FABRIC OVER THE TOP OF THE CASTING

(WITH CURB BOX)

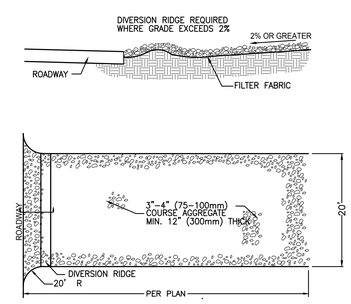
MAINTENANCE:

CLEAN AS NEEDED TO MAINTAIN FLOW. DO NOT CUT OR RIP FABRIC TO INCREASE FLOWS. USE OF FABRIC WILL CREATE SHORT TERM PONDING OF WATER. DO NOT USE FABRIC. INLET PROTECTION IF ADJACENT BUILDINGS OR PROPERTIES MAY BE DAMAGED BY PONDING WATER. ELEVATIONS ON SITE SHALL BE SUCH THAT ANY PONDED WATER WILL HAVE AN EMERGENCY OVERFLOW POINT AWAY FROM AREAS THAT MAY BE DAMAGED BY FLOODING.

GENERAL NOTES:

USE ONLY THE FOLLOWING GEOTEXTILE FABRICS THAT ARE APPROVED BY THE WIDOT FOR USE AS INLET PROTECTION: a) LINO INDUSTRIAL FABRICS - GTF 403 b) TC MIRAFI FILTERWEAVE 401. FOR INLET PROTECTION, TYPE C, WITH A CURB BOX, AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES.
INLET PROTECTION WITHIN THE PUBLIC ROADWAY SHOULD SET BELOW THE GRATE TO PREVENT DAMAGE FROM PLOWING OPERATIONS. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO INLET PROTECTION AS A RESULT OF THE NORMAL PLOWING OPERATIONS WITHIN THE PUBLIC RIGHT OF WAY.

INLET PROTECTION (16 / C105)



NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING. REPAIR AND/OR CLEANOUT ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.

ROCK CONSTRUCTION ENTRANCE (17 / C105)

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Sheet Title:
SITE DETAILS

Sheet Number:
C105

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G E N E R A L   N O T E S

1.1 GENERAL:

1.1.1 SCOPE: THE FOLLOWING GENERAL AND SPECIFIC NOTES SHALL APPLY EQUALLY TO ALL CONTRACTORS AND SUPPLIERS ENGAGED IN EXECUTION OF THE WORK SHOWN ON THE CONTRACT DOCUMENTS. THESE NOTES SUPPLEMENT AND ARE MADE A PART OF THE PLANS AND SPECIFICATIONS.

1.1.2 REFERENCES: ALL CONSTRUCTION SHALL BE EXECUTED IN CONFORMANCE WITH THE FOLLOWING:
- PLANS AND SPECIFICATIONS
- GOVERNING LOCAL AND MUNICIPAL CODES
- 2011 WISCONSIN COMMERCIAL BUILDING CODE
- 2009 INTERNATIONAL BUILDING CODE (IBC)
- ASTM INTERNATIONAL (ASTM)
- OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)

CONCRETE CONSTRUCTION:
- AMERICAN CONCRETE INSTITUTE (ACI)
- CONCRETE REINFORCING STEEL INSTITUTE (CRSI)

MASONRY CONSTRUCTION:
- AMERICAN CONCRETE INSTITUTE (ACI)
- THE MASONRY SOCIETY (TMS)
- STRUCTURAL ENGINEERING INSTITUTE (SEI)

STRUCTURAL AND MISCELLANEOUS STEEL WORK:
- AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)

STEEL JOIST, STEEL DECK, AND ACCESSORIES:
- STEEL JOIST INSTITUTE (SJI)
- STEEL DECK INSTITUTE (SDI)

COLD FORMED STEEL FRAMING & TRUSSES:
- AMERICAN IRON AND STEEL INSTITUTE (AISI)
- COLD FORMED STEEL ENGINEERS INSTITUTE (CFSEI)

CONTRACTOR SHALL ENSURE FAMILIARITY OF THE ABOVE ITEMS. INSPECTIONS AND OBSERVATIONS WILL BE IN CONFORMANCE WITH THE ABOVE.

1.1.3 DESIGN DATA:

OCCUPANCY CATEGORY . . . . .CATEGORY III
FLOOR DEAD LOADS (D):
COMPOSITE STEEL FLOOR . . . . 79 PSF
ROOF DEAD LOADS (D):
STEEL ROOF . . . . 28 PSF
FLOOR LIVE LOADS (L):
LIBRARIES
CORRIDORS ABOVE FIRST FLOOR . . . . 80 PSF
STACK ROOMS . . . . 150 PSF
SCHOOLS
FIRST FLOOR . . . . 100 PSF
STAIRS AND EXITS . . . . 100 PSF
ROOF LIVE LOADS (L_r):
ORDINARY FLAT ROOF . . . . 20 PSF
SNOW LOADS (S):
GROUND SNOW LOAD, P_g . . . . 40 PSF
EXPOSURE FACTOR, C_e 1.0
THERMAL FACTOR, C_t 1.0
IMPORTANCE FACTOR, I_s 1.1
FLAT ROOF SNOW LOAD, P_f . . . . 30.8 PSF + DRIFT
ROOF SLOPE FACTOR, C_s 1.0
DESIGN ROOF SNOW LOAD, P_s . . . . 30.8 PSF + DRIFT
WIND LOADS (W) (METHOD 2, h<=60ft):
BASIC WIND SPEED, V . . . . 90 MPH
IMPORTANCE FACTOR, I_w 1.15
EXPOSURE CATEGORY C
ENCLOSURE CLASSIFICATION . . . . ENCLOSED
INTERNAL PRESSURE COEFFICIENT, G_{cpi} . . . . +/- 0.18
COMPONENTS AND CLADDING DESIGN PRESSURES:

	EFFECTIVE WIND AREAS*		
ROOF ZONES*	10 SF	50 SF	100 SF
NEG. ZONE 1 (FIELD)	-24.7 PSF	-23.2 PSF	-22.6 PSF
NEG. ZONE 2 (PERIMETER)	-41.4 PSF	-31.2 PSF	-26.8 PSF
NEG. ZONE 3 (CORNER)	-62.3 PSF	-37.5 PSF	-26.8 PSF
POS. ALL ZONES	10.0 PSF	10.0 PSF	10.0 PSF
OVERHANG ZONE 1 & 2	-35.5 PSF	-34.1 PSF	-33.5 PSF
OVERHANG ZONE 3	-58.5 PSF	-29.3 PSF	-16.7 PSF
PARAPET ZONES*	10 SF	100 SF	500 SF
CASE A - INTERIOR ZONE	56.5 PSF	38.5 PSF	36.2 PSF
CASE A - CORNER ZONE	77.4 PSF	38.5 PSF	36.2 PSF
CASE B - INTERIOR ZONE	-39.5 PSF	-32.9 PSF	-28.2 PSF
CASE B - CORNER ZONE	-45.2 PSF	-35.2 PSF	-28.2 PSF
WALL ZONES*	10 SF	100 SF	500 SF
NEG. ZONE 4 (INTERIOR ZONE)	-24.5 PSF	-21.1 PSF	-18.8 PSF
NEG. ZONE 5 (CORNER ZONE)	-31.1 PSF	-23.5 PSF	-18.8 PSF
POS. ZONE 4 & 5	22.6 PSF	19.3 PSF	16.9 PSF

*NOTES:
- REFER TO ASCE 7-05, FIGURES 6-11A THRU 6-17 FOR ZONE DIAGRAMS.
- PLUS AND MINUS SIGNS INDICATE PRESSURES ACTING TOWARD OR AWAY FROM BUILDING SURFACES RESPECTIVELY.
- PRESSURES MAY BE INTERPOLATED BETWEEN THE EFFECTIVE WIND AREAS.
- SEE DRAWINGS FOR NET UPLIFT ON JOISTS AND JOIST GIRDERS.

SEISMIC (E):
IMPORTANCE FACTOR, I_e 1.0
0.2_s MAPPED SPECTRAL RESPONSE ACCELERATION, S_s 5.6%g
1.0_s MAPPED SPECTRAL RESPONSE ACCELERATION, S_1 . . . . 3.5%g
SITE CLASS . . . . D
0.2_s SPECTRAL RESPONSE COEFFICIENT, S_{DS} 0.060
1.0_s SPECTRAL RESPONSE COEFFICIENT, S_{D1} 0.056
SEISMIC DESIGN CATEGORY . . . . A
STRUCTURAL SYSTEM . . . . BEARING WALL SYSTEM
SEISMIC RESISTING SYSTEM . . . . . ORDINARY REINFORCED MASONRY SHEAR WALLS
RESPONSE MODIFICATION COEFFICIENT, R 2.0
SYSTEM OVERSTRENGTH FACTOR, OMEGA 2.5
DEFLECTION AMPLIFICATION FACTOR, C_d 1.75
MINIMUM LATERAL FORCE, F_x 0.01
ANALYSIS PROCEDURE . . . . INDEX FORCE ANALYSIS

1.1.4 DESIGN CRITERIA:

SOIL BEARING CAPACITY . . . . 3000 PSF (REPORT)

GEOTECHNICAL REPORT:
REFER TO GEOTECHNICAL ENGINEERING EXPLORATION AND ANALYSIS, PREPARED BY PROFESSIONAL SERVICE INDUSTRIES, INC. (PSI), REPORT NUMBER: 0094486, DATED JUNE 26, 2017.

CONCRETE (NORMAL WEIGHT UNO):
FOOTINGS . . . . f'_c = 3000 PSI
CIP WALLS AND PIERS . . . . f'_c = 4000 PSI
INTERIOR SLAB ON GRADE . . . . f'_c = 4000 PSI
ELEVATED SLABS . . . . f'_c = 4000 PSI
EXTERIOR SLABS . . . . f'_c = 3500 PSI
STAIR PANS AND TOPPING SLABS . . . . f'_c = 4000 PSI
MASONRY:
CONCRETE MASONRY
COMPRESSIVE STRENGTH OF MASONRY (UNIT STRENGTH METHOD) . . f'_m = 2000 PSI
LOAD BEARING CONCRETE UNIT, ASTM C90
MORTAR, ASTM C270 TYPE M, S, OR N
CLAY MASONRY
COMPRESSIVE STRENGTH OF MASONRY (UNIT STRENGTH METHOD) . . f'_m = 1500 PSI
FACE BRICK, ASTM C216 GRADE SW TYPE FBS
GROUT:
MASONRY CORE FILL, ASTM C476 . . . . f'_c = 2000 PSI
UNDER BASE PLATES, ASTM C1107 GRADE A, B, OR C . . . . . . f'_c = 7000 PSI
REINFORCEMENT STEEL:
#3 BARS & LARGER, ASTM A615 GRADE 60 . . . . F_y = 60000 PSI
#3 BARS & LARGER WELDABLE, ASTM A706 GRADE 60 . . . . F_y = 60000 PSI
WELDED WIRE REINFORCEMENT, ASTM A1064 . . . . F_y = 65000 PSI
MASONRY JOINT REINFORCEMENT, ASTM A951 . . . . F_y = 80000 PSI
STRUCTURAL STEEL:
ANGLE SHAPES & PLATES, ASTM A36 . . . . F_y = 36000 PSI
WIDE FLANGE SHAPES, ASTM A992 . . . . F_y = 50000 PSI
HSS TUBE SHAPES, ASTM A500 GRADE B . . . . F_y = 46000 PSI
HSS ROUND SHAPE, ASTM A500 GRADE B . . . . F_y = 42000 PSI
STEEL PIPE, ASTM A53 GRADE B . . . . F_y = 35000 PSI
CHANNEL SHAPES, ASTM A572 GRADE 50 . . . . F_y = 50000 PSI
M, S AND HP SHAPES, ASTM A572 GRADE 50 . . . . F_y = 50000 PSI
STEEL DECKING:
16-22GA ROOF DECK . . . . F_y = 33000 PSI
0.6C-1.3C NON-COMPOSITE DECK . . . . F_y = 60000 PSI
18-22GA COMPOSITE DECK . . . . F_y = 50000 PSI
COLD FORMED STEEL:
12-16GA MATERIAL, ASTM A1003, SS GRADE 50 . . . . F_y = 50000 PSI
18-20GA MATERIAL, ASTM A1003, SS GRADE 33 . . . . F_y = 33000 PSI
FASTENERS:
WELDS . . . . E70XX ELECTRODES
>=5/8" HIGH-STRENGTH BOLTS, ASTM A325-N
<=1/2" DIA NON-HIGH STRENGTH BOLTS, ASTM A307
ANCHOR BOLTS, ASTM F1554 GRADE 36 . . . . F_y = 36000 PSI
THREADED ROD, ASTM A193 . . . . F_y = 36000 PSI
NUTS AT STRUCTURAL BOLTS, ASTM A563 GRADE C
WASHERS AT STRUCTURAL BOLTS, ASTM F436 TYPE 1
WASHERS AT ANCHOR BOLTS, A36 . . . . F_y = 36000 PSI
HEADED SHEAR CONNECTOR STUDS, ASTM A108
EXPANSION ANCHORS . . . . KWIK-BOLT III BY HILTI, INC.
EPOXY ANCHORS . . . . HIT HY-200 MAX BY HILTI, INC.
SCREW ANCHORS (3/16"-1/4") . . . . KWIK-CON II BY HILTI, INC.
SCREW ANCHORS (3/8"-3/4") . . . . KH-EZ BY HILTI, INC.
POWDER ACTUATED FASTENERS . . . . X-DNI OR DS BY HILTI, INC.
STEEL DECKING FASTENERS . . . . X-HSN24 BY HILTI, INC.
SELF-DRILLING SCREWS . . . . TEKS BY ITW BUILDEX
WOOD SCREWS . . . . SDS BY SIMPSON, INC.

1.1.5 EXECUTION: CONTRACTOR TO CROSS CHECK DIMENSIONS, ELEVATIONS, SECTIONS AND DETAILS BETWEEN ARCHITECTURAL, MECHANICAL AND STRUCTURAL PLANS. AMBROSE ENGINEERING IS TO BE NOTIFIED OF ANY VARIANCE THAT WILL AFFECT THE STRUCTURAL FRAMING BEFORE CONTRACTOR BEGINS WORK. ALL EQUIPMENT SUPPORTS AND ANCHORAGES TO BE CROSS CHECKED WITH MANUFACTURER'S DRAWINGS. CONTRACTORS SHALL VERIFY ALL PROFILES, HEIGHTS AND DIMENSIONS AT PROJECT SITE PRIOR TO FABRICATION OF ANY MATERIAL AND INFORM THE ENGINEER OF ANY DISCREPANCIES OR FRAMING INTERFERENCES.

1.1.6 PROJECT CONDITIONS: ALL EXISTING BUILDING DIMENSIONS AND CONDITIONS MUST BE FIELD VERIFIED PRIOR TO FABRICATION. AMBROSE ENGINEERING SHALL NOT BE RESPONSIBLE FOR ANY EXISTING INFORMATION SUPPLIED BY THE OWNER/ARCHITECT NOR BE LIABLE FOR THOSE EXISTING CONDITIONS THAT VARY FROM THE PREVIOUSLY GIVEN INFORMATION.

1.1.7 SHOP DRAWINGS/SUBMITTALS: SHALL BE SUBMITTED BY THE GENERAL CONTRACTOR TO THE ARCHITECT/ENGINEER FOR APPROVAL BEFORE FABRICATION MAY PROCEED. SHOP DRAWINGS/SUBMITTALS SHALL BE PROVIDED FOR THE FOLLOWING COMPONENTS: CONCRETE DESIGN MIXES, REINFORCING STEEL, STRUCTURAL STEEL, STEEL JOISTS AND GIRDERS, STEEL DECKING, METAL FABRICATIONS, AND COLD FORMED STEEL FRAMING. SEE SPECIFIC MATERIALS SECTIONS FOR ADDITIONAL INFORMATION.

NOTES:
- GENERAL CONTRACTOR SHALL REVIEW AND STAMP SHOP DRAWINGS BEFORE SUBMITTAL TO ARCHITECT/ENGINEER.
- SUBMIT (2) COPIES TO ARCHITECT/ENGINEER FOR REVIEW. (1) REVIEWED COPY WILL BE RETURNED. ANY ADDITIONAL SHOP DRAWING COPIES WILL NOT BE RETURNED.
- ALL SHOP DRAWINGS SHALL CONTAIN THE ISSUE DATE INDICATED ON THE CONSTRUCTION DOCUMENTS, ALONG WITH ANY ADDENDUMS OR REVISION DATES.
- COPIES OF THE STRUCTURAL DRAWINGS SUBMITTED AS SHOP DRAWINGS WILL BE REJECTED.
- ANY DEVIATIONS FROM THE CONTRACT DOCUMENTS SHALL BE NOTED (CLOUD, NOTE, ETC.) ON THE SHOP DRAWINGS SUBMITTED FOR APPROVAL.
- ANY CHANGES ON RESUBMITTED SHOP DRAWINGS SHALL BE CLOUDED.

1.1.9 SPECIAL INSPECTIONS: AN INSPECTION & TESTING COMPANY SHALL BE RETAINED IN ACCORDANCE WITH THE IBC FOR THE FOLLOWING:

- SOILS AND EARTHWORK SUPPORTING FOUNDATIONS AND SLABS.
- CONCRETE TEST CYLINDERS AND STRENGTH TESTING.
- CONCRETE REINFORCEMENT.
- MASONRY PER ACI 530.1-05/ASCE 5-05/TMS 402-05 - "SPECIFICATION FOR MASONRY STRUCTURES" TABLE 4 - LEVEL B QUALITY ASSURANCE.
- STRUCTURAL STEEL WELDED AND BOLTED CONNECTIONS.
- METAL DECK FASTENING.
- POST INSTALLED EXPANSION AND EPOXY ANCHORS.

1.1.10 CONSTRUCTION LOADS: PLACEMENT OF CONSTRUCTION EQUIPMENT, MATERIALS, AND PERSONNEL SHALL NOT EXCEED THE DESIGN LIVE LOAD OF THE STRUCTURE. CONCRETE SHALL CURE A MINIMUM OF 7 DAYS BEFORE THE APPLICATION OF CONSTRUCTION LOADS. IN ADDITION, EQUIPMENT PLACED ON FLOORS SHALL ALSO COMPLY WITH THE FOLLOWING:

FORKLIFT SPACING BETWEEN WHEELS ON AXLE IS NOT LESS THAN 38" c/c OR SCISSOR LIFT SPACING BETWEEN WHEELS ON AXLE IS NOT LESS THAN 25" c/c.

SLAB-ON-GRADE: ALLOWABLE EQUIPMENT AXLE LOADS

SLAB DEPTH	FORKLIFT	SCISSOR/PLATFORM LIFTS
4"	NONE	5,400 LBS
5"	8,600 LBS	6,800 LBS
>=6"	11,400 LBS	9,200 LBS

MODULUS OF SUBGRADE, k (MINIMUM) . . . . 100 PCI

COMPOSITE SLAB: ALLOWABLE EQUIPMENT AXLE LOADS

TOTAL SLAB DEPTH	DECK TYPE	DECK GAUGE	MAXIMUM DECK SPAN	ALLOWABLE AXLE LOAD
4"	1.5 VL, VLI	22	6'-7"	5,200 LBS
5"	1.5 VL, VLI	20	7'-2"	9,000 LBS
6"	1.5 VL, VLI	20	6'-8"	12,300 LBS
6"	2.0 VL, VLI	20	8'-7"	8,300 LBS

WHEN AXLE LOADS EXCEED THE VALUES LISTED ABOVE, OR WHEN WHEEL SPACING IS LESS THAN c/c SPACING, CONTACT ENGINEER PRIOR TO OPERATING UNAUTHORIZED EQUIPMENT.

1.1.11 FIELD MODIFICATIONS: MODIFICATIONS OF STRUCTURAL MEMBERS DUE TO MISLOCATION, MISFIT, MECHANICAL INTERFERENCE, OR ANY OTHER CONSTRUCTION ISSUE SHALL NOT BE MADE WITHOUT THE PRIOR APPROVAL OF ENGINEER. NO OPENING SHALL BE PLACED IN ANY STRUCTURAL MEMBER UNLESS SHOWN ON THE CONTRACT STRUCTURAL DRAWINGS OR THE APPROVED SHOP DRAWINGS.

1.1.12 PERMANENT EQUIPMENT: SHALL BE LOCATED ONLY ON THE STRUCTURAL MEMBERS INTENDED TO SUPPORT THIS EQUIPMENT AS SHOWN ON THE CONTRACT DRAWINGS OR THE APPROVED SHOP DRAWINGS. IF STRUCTURAL SUPPORT IS NOT CLEAR, OR A QUESTION ARISES, CONTACT ENGINEER PRIOR TO EQUIPMENT INSTALLATION.

2.1 EARTHWORK:

2.1.1 GEOTECHNICAL REPORT: REFER TO GEOTECHNICAL REPORT INDICATED IN DESIGN CRITERIA FOR SITE CONDITIONS, SUITABLE BEARING MATERIALS, STRUCTURAL FILL, BACKFILL MATERIALS, COMPACTION REQUIREMENTS AND PROJECT SPECIFICATIONS FOR EARTHWORK NOT SPECIFIED HEREIN.

2.1.2 EXCAVATIONS: ALL UNSUITABLE EXISTING FILL AND TOPSOIL SHALL BE EXCAVATED BELOW FOOTING BEARING AND REPLACED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT RECOMMENDATIONS. IF EXCAVATIONS SHOULD INDICATE A SAFE SOIL BEARING CAPACITY LESS THAN THE DESIGN CRITERIA SOIL BEARING CAPACITY THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY AND FOUNDATION REVISED TO MEET THIS CONDITION.

2.1.3 SITE PREPARATION: ALL UNSUITABLE EXISTING FILL AND TOPSOIL SHALL BE EXCAVATED WITHIN THE BUILDING FOOTPRINT AND REPLACED TO FINISHED PAD ELEVATION IN ACCORDANCE WITH THE GEOTECHNICAL REPORT RECOMMENDATIONS. PROVIDE COMPACTED AGGREGATE SUB-BASE AND VAPOR RETARDER ABOVE PAD AND BELOW SLAB PER SPECIFICATIONS AND GEOTECHNICAL REPORT RECOMMENDATIONS.

2.1.4 BACKFILLING: BACKFILL EACH SIDE OF FOUNDATION WALLS IN EQUAL LIFTS. WHERE FINAL GRADES CREATE AN UNBALANCED CONDITION BACKFILL AS FOLLOWS: AT FOUNDATIONS WALLS STRUCTURALLY CONNECTED TO SLABS (SUCH AS DOCK WALLS), BRACE TOP OF WALL UNTIL SLAB IS IN PLACE AND CURED 7 DAYS MINIMUM. AT BASEMENT WALLS DO NOT BACKFILL UNTIL FIRST FLOOR CONSTRUCTION IS COMPLETE OR TOP OF WALLS ARE BRACED. WHERE WALLS ARE NOT STRUCTURALLY CONNECTED AT THE TOP (SUCH AS RETAINING WALLS) BRACING IS NOT REQUIRED.

3.1 CONCRETE:

3.1.1 REFERENCES: CONCRETE CONSTRUCTION SHALL COMPLY WITH THE FOLLOWING STANDARDS AND AS MODIFIED HEREIN:

ACI 117 "SPECIFICATIONS FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS"
ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE"
ACI SP-66 "ACI DETAILING MANUAL"
ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE"
ACI 347 "GUIDE TO FORMWORK FOR CONCRETE"
ACI 360 "GUIDE TO DESIGN OF SLABS-ON-GROUND"
CRSI "MANUAL OF STANDARD PRACTICE"
CRSI "PLACING REINFORCING BARS"

3.1.2 MATERIALS: PROPORTION CONCRETE MATERIALS TO ATTAIN 28 DAY CONCRETE MIX DESIGN STRENGTHS INDICATED IN THE DESIGN CRITERIA. SEE SPECIFICATIONS FOR ADDITIONAL MATERIAL REQUIREMENTS.

3.1.3 SHOP DRAWINGS/SUBMITTALS: SUBMIT CONCRETE MIX DESIGNS, COMPRESSIVE STRENGTH TEST HISTORY, CEMENT, FLY ASH, AGGREGATE TEST REPORTS, ADMIXTURES, FIBER REINFORCING, REBAR PLACEMENT AND FABRICATION PLANS, LAP LENGTHS, REBAR BENDING DIAGRAMS, AND ALL DETAILS AS REQUIRED TO COMPLETE INSTALLATION.

3.1.4 ACCESSORIES: ALL CONCRETE ACCESSORIES SUCH AS CHAIRS, TIES, ETC., THAT COME IN CONTACT WITH FORMWORK ON EXPOSED CONCRETE SHALL BE GALVANIZED OR PLASTIC COATED. CONCRETE BLOCK OR CLAY MASONRY SHALL NOT BE USED AS CHAIRS FOR SUPPORT OF SLAB-ON-GRADE REINFORCEMENT.

3.1.5 WELDED WIRE REINFORCEMENT: PROVIDE WELDED WIRE REINFORCEMENT IN ACCORDANCE WITH THE DESIGN CRITERIA. WELDED WIRE REINFORCEMENT SHALL BE FLAT SHEETS ONLY, LAPPED 6" MINIMUM AND POSITIONED AT MID-HEIGHT OF THE SLAB THICKNESS, UNO.

3.1.6 SYNTHETIC FIBER REINFORCEMENT: PROVIDE SYNTHETIC FIBER REINFORCEMENT IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AT THE DOSAGE RATE INDICATED ON THE PLANS.

3.1.7 BAR REINFORCEMENT: PROVIDE BAR REINFORCEMENT IN ACCORDANCE WITH THE DESIGN CRITERIA. WHEN BAR REINFORCEMENT IS CALLED FOR IN A CERTAIN PORTION OF THE BUILDING, IT SHALL BE DUPLICATED IN SIMILAR PORTIONS OF THE BUILDING, UNO.

3.1.8 MINIMUM COVER: INSTALL BAR REINFORCEMENT WITH THE FOLLOWING MINIMUM COVER UNLESS A GREATER COVER IS REQUIRED DUE TO FIRE PROTECTION:

CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH . . . . 3"
CONCRETE EXPOSED TO EARTH AND WEATHER:
#5 BAR AND SMALLER . . . . 1 1/2"
#6 BAR AND LARGER . . . . 2"
CONCRETE NOT EXPOSED TO EARTH AND WEATHER OR IN CONTACT WITH GROUND:
SLABS, WALLS, AND JOISTS:
#11 BAR AND SMALLER . . . . 3/4"
BEAMS AND COLUMNS:
#11 BAR AND SMALLER . . . . 1 1/2"

3.1.9 DEVELOPMENT: THE MINIMUM DEVELOPMENT LENGTH OF NON-CONTINUOUS BAR REINFORCEMENT IS SHOWN BELOW. TERMINATE WITH A STANDARD HOOK IN ACCORDANCE WITH ACI IF REQUIRED DEVELOPMENT LENGTH CANNOT BE OBTAINED. THE LAP SPLICE LENGTH OF CONTINUOUS BAR REINFORCEMENT IS SHOWN BELOW. IN GROUPS OF PARALLEL BARS, LAP SPLICES SHALL BE STAGGERED.

	DEVELOPMENT LENGTH	LAP SPLICE LENGTH
f'_c = 3000 PSI, GRADE 60, UNCOATED:		
ALL BARS (EXCEPT TOP HORIZ. BARS):		
#6 BAR AND SMALLER	44 BAR DIAMETERS	57 BAR DIAMETERS
#7 BAR AND LARGER	55 BAR DIAMETERS	71 BAR DIAMETERS
TOP HORIZONTAL BARS:		
#6 BAR AND SMALLER	57 BAR DIAMETERS	74 BAR DIAMETERS
#7 BAR AND LARGER	71 BAR DIAMETERS	93 BAR DIAMETERS
f'_c = 4000 PSI, GRADE 60, UNCOATED:		
ALL BARS (EXCEPT TOP HORIZ. BARS):		
#6 BAR AND SMALLER	38 BAR DIAMETERS	50 BAR DIAMETERS
#7 BAR AND LARGER	47 BAR DIAMETERS	62 BAR DIAMETERS
TOP HORIZONTAL BARS:		
#6 BAR AND SMALLER	50 BAR DIAMETERS	64 BAR DIAMETERS
#7 BAR AND LARGER	62 BAR DIAMETERS	80 BAR DIAMETERS

3.1.10 HOT WEATHER CONCRETING: FOLLOW ACI 305 "HOT WEATHER CONCRETING" WHEN MAXIMUM DAILY TEMPERATURE EXCEEDS 85°F, OR RAPID DRYING CONDITIONS EXIST; EVAPORATION RATE > .15 LB/SF/HR PER FIGURE 2.1.5.

3.1.11 COLD WEATHER CONCRETING: FOLLOW ACI 306 "COLD WEATHER CONCRETING" WHEN FREEZING CONDITIONS OR MEAN DAILY TEMPERATURE FALLS BELOW 40°F.

3.1.12 SLABS: MAY BE POURED AS A CONTINUOUS SCREEDED POUR WITH SAW CUT CONTROL JOINTS IN BOTH DIRECTIONS. SAW CUTS TO BE MADE WITHIN 8 HOURS OF POUR AND SPACED AS INDICATED IN THE DRAWINGS.

3.1.13 WALLS: MAXIMUM POUR LENGTH 100 FT BETWEEN FORMED CONSTRUCTION JOINTS. FOR WALLS EXPOSED TO VIEW PROVIDE INTERMEDIATE CONTROL JOINTS NO GREATER THAN 30 FT ON CENTER. JOINTS SHOULD ALIGN WITH BUILDING CONTROL JOINTS WHEN PRESENT AND COORDINATED WITH ARCHITECTURAL DRAWINGS.

3.1.14 OPENINGS: CONTRACTOR TO PROVIDE AND COORDINATE WITH ALL OTHER TRADES FOR SIZE AND LOCATIONS OF ANY AND ALL OPENINGS, SLEEVES, ETC. OCCURRING IN WALLS, FOOTINGS, AND FLOORS. SLEEVE LAYOUTS SHALL BE SUBMITTED FOR APPROVAL PRIOR TO CONSTRUCTION.

3.1.15 BOND BREAKER: PROVIDE BOND BREAKER MATERIAL WHERE SLABS ABUT WALLS, COLUMNS AND OTHER VERTICAL SURFACES.

4.1 MASONRY:

4.1.1 REFERENCES: MASONRY CONSTRUCTION SHALL CONFORM TO THE FOLLOWING STANDARDS AND AS MODIFIED HEREIN:

TMS 402/ACI 530/ASCE 5 "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES"
TMS 602/ACI 530.1/ASCE 6 "SPECIFICATIONS FOR MASONRY STRUCTURES"
TEK MANUAL "NATIONAL CONCRETE MASONRY ASSOCIATION"

4.1.2 MATERIALS: SELECT MASONRY MATERIALS TO ATTAIN NET AREA COMPRESSIVE STRENGTH INDICATED IN THE DESIGN CRITERIA BASED ON THE UNIT STRENGTH METHOD. SEE SPECIFICATIONS FOR ADDITIONAL MATERIAL REQUIREMENTS.

4.1.3 HORIZONTAL JOINT REINFORCEMENT: PROVIDE STANDARD GALVANIZED LADDER TYPE REINFORCEMENT FABRICATED OF 9 GAUGE WIRE. PLACE AT EVERY SECOND BLOCK COURSE, 16 INCHES ON CENTER VERTICALLY, IN ALL WALLS UNLESS NOTED OTHERWISE. INSTALL REINFORCEMENT IN THE FIRST AND SECOND BED JOINTS, 8 INCHES ON CENTER VERTICALLY, IMMEDIATELY ABOVE AND BELOW OPENINGS. EXTEND REINFORCEMENT A MINIMUM OF 2 FEET BEYOND JAMBS.

4.1.4 REBAR POSITIONERS: PROVIDE GALVANIZED REBAR POSITIONERS FABRICATED OF 9 GAUGE WIRE AT ALL VERTICAL REINFORCING NOT TIED. PLACE AT TOP OF FIRST COURSE, ONE COURSE BELOW TOP OF WALL, AND AT A VERTICAL SPACING NOT TO EXCEED 200 BAR DIAMETERS.

4.1.5 BOND BEAM REINFORCEMENT: SHALL BE REINFORCED WITH 2 #4 BARS CONTINUOUS, EXCEPT AT CONTROL JOINTS. LAP BOND BEAMS A MINIMUM OF 4'-0" AT VERTICAL STEPS IN BOND BEAM COURSES. LAP CONTINUOUS BARS 48 DIAMETERS AT ALL SPLICES.

4.1.6 VERTICAL WALL REINFORCEMENT: LOCATE WALL REINFORCEMENT AT CENTER OF WALL UNLESS NOTED OTHERWISE. LAP CONTINUOUS BARS 48 DIAMETERS AT ALL SPLICES.

4.1.7 VERTICAL PIER REINFORCEMENT: LOCATE PIER REINFORCEMENT WITHIN CELL AS INDICATED IN THE DRAWINGS. LAP CONTINUOUS BARS 48 DIAMETERS AT ALL SPLICES.

4.1.8 GROUTING: ALL CELLS AND BOND BEAMS CONTAINING REINFORCING SHALL BE GROUTED. ALL CELLS BELOW SLAB ON GRADE OR EXTERIOR GRADE SHALL BE GROUTED. GROUT IN 4 FOOT HIGH MAXIMUM LIFTS, HIGH LIFT GROUTING SHALL NOT BE USED.

4.1.9 CONTROL JOINTS: CONSTRUCT EXTERIOR JOINTS AT A MAXIMUM HORIZONTAL SPACING BETWEEN JOINTS OF 24'-0" AND NOT MORE THE 12'-0" FROM CORNERS. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS. CONSTRUCT INTERIOR CONTROL JOINTS IN WALLS PLACED PERPENDICULAR TO BEAMS OR BEARING WALLS AND NOT MORE THAN 32'-0" ON CENTER OR 16'-0" FROM CORNERS. NO JOINTS SHALL BE LOCATED WITHIN 2'-0" OF STEEL BEAM BEARINGS.

4.1.10 PROVIDE FLEXIBLE MASONRY JOINTS AT ALL SIDES OF STEEL BEAMS AND/OR STEEL JOISTS THAT PENETRATE NON-BEARING MASONRY WALLS. MAINTAIN A MINIMUM 1-1/2 INCH CLEAR DISTANCE BETWEEN THE STEEL AND MASONRY.

4.1.11 ALL MASONRY WALLS HAVING TWO OR MORE WYTHES OF BRICK AND/OR CONCRETE BLOCK SHALL HAVE ALL VERTICAL COLLAR JOINTS FILLED WITH MORTAR FOR THEIR FULL HEIGHT. PARGING IS NOT ACCEPTABLE. THIS REQUIREMENT DOES NOT APPLY BETWEEN WYTHES OF CAVITY WALLS.

4.1.12 TEMPORARY BRACING: ALL MASONRY WALLS SHALL BE BRACED IN ACCORDANCE WITH OSHA GUIDELINES AND "THE STANDARD PRACTICE FOR BRACING MASONRY WALLS UNDER CONSTRUCTION" UNTIL PERMANENT SUPPORT HAS BEEN INSTALLED.

4.1.13 IN NO CASE SHALL SHORES OR FORMS BE REMOVED, OR CONCENTRATED LOADS FROM FRAMING MEMBERS BE APPLIED, UNTIL THE MORTAR HAS CURED SUFFICIENTLY TO CARRY ITS OWN WEIGHT AND ALL OTHER ANTICIPATED LOADS.

4.1.14 ALL EMBEDDED STEEL BEAMS SHALL HAVE ADJUSTABLE MASONRY ANCHORS SPACED NOT GREATER THAN 16 INCHES VERTICALLY, AND 24 INCHES HORIZONTALLY, UNLESS OTHERWISE NOTED.

4.1.15 PROVIDE POCKETS IN MASONRY WALLS FOR STEEL BEAMS AND COLUMN BASE PLATES WHERE REQUIRED. BACK PATCH SOLID WITH CONCRETE AFTER INSTALLATION OF MEMBER.

4.1.16 WHERE NO MASONRY PIERS ARE INDICATED BELOW STRUCTURAL MEMBERS SUPPORTED BY MASONRY, PROVIDE A MINIMUM OF THREE COURSES OF CONCRETE BRICK OR APPROVED EQUIVALENT BEARING.

4.1.17 IN MASONRY BEARING WALLS, NO CHASES, RISERS, CONDUIT OR TOOTHING OF MASONRY SHALL OCCUR WITHIN 1'-6" OF CENTERLINE OF BEAM BEARING OR LOAD CONCENTRATION.

4.1.18 COLD WEATHER MASONRY CONSTRUCTION AND ITS QUALITY CONTROL REQUIRE ADDITIONAL ATTENTION TO CONSTRUCTION PRACTICES AND PROTECTION. ATTENTION SHOULD BE DIRECTED TO THE FOLLOWING DETAILS AS WELL AS THOSE NORMALLY ATTENDED.

1. CONSTRUCTION MATERIALS SHOULD BE RECEIVED, STORED, AND PROTECTED IN WAYS THAT PREVENT WATER FROM ENTERING THE MATERIALS.
2. IF CLIMATIC CONDITIONS WARRANT, TEMPERATURES OF CONSTRUCTION MATERIALS SHOULD BE MEASURED. FROZEN SAND AND WET MASONRY UNITS MUST BE THAWED. MASONRY UNITS BELOW 20°F MUST BE HEATED ABOVE 20°F WITHOUT OVERHEATING.
3. SUFFICIENT MORTAR INGREDIENTS SHOULD BE HEATED TO PRODUCE MORTAR TEMPERATURES BETWEEN 40°F AND 120°F. EVERY EFFORT SHOULD BE MADE TO PRODUCE CONSECUTIVE BATCHES OF MORTAR WITH THE SAME TEMPERATURES FALLING WITHIN THIS RANGE. THE MORTAR TEMPERATURE AFTER MIXING AND BEFORE USE SHOULD BE ABOVE 40°F, MAINTAINABLE EITHER BY AUXILIARY HEATERS UNDER THE MORTAR BOARD OR BY MORE FREQUENT MIXING OF MORTAR BATCHES. HEATED MORTAR ON MORTAR BOARDS SHOULD NOT BECOME EXCESSIVELY HOT (GREATER THAN 120°F).
4. DURING BELOW-NORMAL TEMPERATURES, MASONRY SHOULD BE PLACED ONLY ON A SOUND UNFROZEN FOUNDATIONS. MASONRY SHOULD NEVER BE PLACED ON A SNOW OR ICE-COVERED SURFACE, BECAUSE OF THE DANGER OF MOVEMENT WHEN THE BASE THAWS AND THE POSSIBILITY OF VERY LITTLE BOND BEING DEVELOPED BETWEEN THE MORTAR AND THE SUPPORTING SURFACE.
5. AT THE END OF THE DAY, THE TOP SURFACE OF ALL MASONRY SHOULD BE PROTECTED TO PREVENT MOISTURE, AS RAIN, SNOW OR SLEET, FROM ENTERING THE MASONRY. THIS PROTECTION MUST COVER THE TOP SURFACE AND SHOULD EXTEND A MINIMUM OF 2 FEET DOWN ALL SIDES OF THE MASONRY.
6. CONSTRUCTION AND PROTECTION REQUIREMENTS SHALL BE AS INDICATED BELOW:

WORK DAY TEMPERATURE	CONSTRUCTION REQUIREMENT	PROTECTION REQUIREMENT
ABOVE 40°F	NORMAL MASONRY PROCEDURES.	COVER WALLS WITH PLASTIC OR CANVAS AT END OF WORK DAY TO PREVENT WATER ENTERING MASONRY.
40°F - 32°F	HEAT MIXING WATER TO PRODUCE MORTAR TEMPERATURES BETWEEN 40°F - 120°F.	COVER WALLS AND MATERIALS TO PREVENT WETTING AND FREEZING. COVERS SHOULD BE PLASTIC OR CANVAS.
32°F - 25°F	HEAT MIXING WATER AND SAND TO PRODUCE MORTAR TEMPERATURES BETWEEN 40°F - 120°F.	WITH WIND VELOCITIES OVER 15 MPH PROVIDE WIND-BREAKS DURING THE WORK DAY AND COVER WALLS AND MATERIALS AT THE END OF THE WORK DAY.
25°F - 20°F	MORTAR ON BOARDS SHOULD BE MAINTAINED ABOVE 40°F.	TO PREVENT WETTING AND FREEZING MAINTAIN MASONRY ABOVE FREEZING FOR 16 HOURS USING AUXILIARY HEAT OR INSULATED BLANKETS.
20°F - 0°F AND BELOW	HEAT MIXING WATER AND SAND TO PRODUCE MORTAR TEMPERATURES BETWEEN 40°F - 120°F.	PROVIDE ENCLOSURES AND SUPPLY SUFFICIENT HEAT TO MAINTAIN MASONRY ENCLOSURE ABOVE 32°F FOR 24 HOURS.

5.1 STRUCTURAL STEEL:

5.1.1 REFERENCES: STRUCTURAL STEEL CONSTRUCTION SHALL COMPLY WITH THE FOLLOWING STANDARDS AND AS MODIFIED HEREIN:

AISC - "SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".
AWS - "STRUCTURAL WELDING CODE - STEEL".
SSPC - "STEEL STRUCTURES PAINTING MANUAL", VOLUME 1 AND 2.

5.1.2 PRODUCTS: COMPLY WITH ASTM REQUIREMENTS FOR STRENGTH OF MATERIALS INDICATED FOR THE GENERAL DESIGN CRITERIA.

5.1.3 CONNECTIONS: CONNECTIONS NOT DETAILED ON DRAWINGS SHALL BE DESIGNED BY THE FABRICATOR FOR THE FOLLOWING REQUIREMENTS:

1. BEAM CONNECTIONS SHALL BE AISC STANDARD FRAMED BEAM CONNECTIONS.
2. FIELD CONNECTIONS SHALL BE BOLTED WITH 3/4" DIAMETER HIGH STRENGTH ASTM A325 BOLTS, BEARING TYPE N WITH STANDARD ROUND HOLES.
3. WHERE SLOTTED CONNECTIONS ARE REQUIRED, ADJUST BOLT VALUES ACCORDINGLY.
4. WHERE REACTIONS ARE NOT INDICATED ON DRAWINGS DESIGN CONNECTION FOR 60% OF THE TOTAL UNIFORM LOAD CAPACITY SHOWN IN THE AISC TABLES OF UNIFORM LOAD CONSTANTS.
5. THE FOLLOWING CONDITIONS SHALL BE CHECKED WHEN DESIGNING BEAM CONNECTIONS: BOLT SHEAR, BOLT BEARING ON CONNECTING MATERIAL, BLOCK WEB SHEAR, SHEAR ON THE NET AREA OF THE CONNECTING ANGLES, PLATES OR TEES AND LOCAL BENDING STRESS.
6. STEEL CONTRACTOR TO PUNCH HOLES IN STEEL MEMBERS FOR ARCHITECTURAL CONNECTIONS. REFER TO ARCHITECTURAL PLANS.

5.1.4 PAINT: FOR ALL STRUCTURAL STEEL -FABRICATOR'S STANDARD RUST INHIBITING PRIMER PER SSPC-SP2. DO NOT PAINT STRUCTURAL SURFACES TO BE IN CONTACT WITH POURED CONCRETE, SURFACES TO BE WELDED, SURFACES TO RECEIVE WELDED STUDS OR SURFACES TO RECEIVE SPRAY ON FIREPROOFING.

5.1.5 TEMPORARY BRACING: THE BUILDING FRAME, DURING CONSTRUCTION, IS NOT A SELF-SUPPORTING STEEL FRAME AS DEFINED IN THE AISC CODE OF STANDARD PRACTICE, SECTION 7.9.3 (NINTH EDITION). CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORTS FOR THE FRAME UNTIL ALL THE DESIGN SUPPORTS AND ITS COMPONENTS (FLOORS AND/OR ROOF) ARE SECURELY IN PLACE.

5.1.6 WELD IDENTIFICATION: EACH STRUCTURALLY SIGNIFICANT MEMBER SHALL HAVE ITS WELDING IDENTIFIED BY A DISTINGUISHING MARK STAMPED ON THE MEMBER BY THE CERTIFIED WELDERS INVOLVED.

5.2 STEEL JOIST:

5.2.1 REFERENCES: PERFORM CONSTRUCTION WORK IN ACCORDANCE WITH THE FOLLOWING STANDARDS AND AS MODIFIED HEREIN:

SJI "STANDARD SPECIFICATIONS FOR OPEN WEB STEEL JOIST K-SERIES"
SJI "STANDARD SPECIFICATIONS FOR LONGSPAN STEEL JOIST LH AND DEEP LONGSPAN STEEL JOIST DLH-SERIES".
SJI "STANDARD SPECIFICATION FOR JOIST GIRDERS".
SJI "RECOMMENDED CODE OF STANDARD PRACTICE FOR STEEL JOIST AND JOIST GIRDERS".

5.2.2 MATERIALS: FABRICATE STEEL JOIST IN ACCORDANCE WITH SJI SPECIFICATION FOR TYPE OF JOISTS INDICATED ON DRAWINGS. PROVIDE JOIST TOP AND BOTTOM CHORD EXTENSIONS, SPLICES AND ACCESSORIES. REFER TO DRAWINGS FOR ADDITIONAL ITEMS SUPPLIED BY JOIST MANUFACTURER.

5.2.3 ROOF JOISTS AS DESIGNATED ARE DESIGNED FOR DEAD LOAD, LIVE LOAD, DRIFTING SNOW AND MECHANICAL EQUIPMENT WEIGHTS INDICATED ON DRAWINGS. STEEL JOIST CONTRACTOR SHALL PROVIDE ADDITIONAL WEB MEMBERS AND/OR SPECIAL JOISTS AS REQUIRED TO SUPPORT CONCENTRATED EQUIPMENT LOADS.

5.2.4 BRIDGING SIZE & SPACING TO COMPLY WITH SJI SPECIFICATIONS. WHERE UPLIFT FORCES EXCEED THE ROOF TYPE DEAD LOAD, ADDITIONAL BRIDGING SHALL BE PROVIDED TO SUIT UPLIFT REQUIREMENTS.

5.2.5 PAINT: ONE COAT MANUFACTURE'S STANDARD GRAY PRIMER.

5.2.6 INSTALLATION: FIELD WELD JOISTS TO WALL ANGLES, BEARING PLATES AND SUPPORTING STEEL BEAMS WITH AT LEAST TWO 3/16" X 1" LONG WELDS. BOLT TO STEEL FRAMING WHERE INDICATED ON DRAWINGS. COMPLY WITH OSHA REQUIREMENTS FOR INSTALLATION OF JOIST AND BRIDGING.

5.2.7 NO HOLES TO BE DRILLED THROUGH CHORD MEMBERS OR OTHERWISE THAT WOULD REDUCE MEMBER SECTIONS.

5.3 METAL DECK:

5.3.1 REFERENCES: STEEL DECK CONSTRUCTION SHALL COMPLY WITH THE FOLLOWING STANDARDS AND AS MODIFIED HEREIN:

SDI "DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS, ROOF DECKS, CELLULAR METAL FLOOR DECK AND ELECTRICAL DISTRIBUTION".
SDI "SPECIFICATION AND COMMENTARY FOR STEEL ROOF DECK".

5.3.2 DECK TYPES: PROVIDE DEPTH, GAGE AND TYPE INDICATED ON DRAWINGS.

5.3.3 COATING: ALL ROOF DECK SHALL BE PAINTED, EXCEPT DECK EXPOSED TO WEATHER WHICH SHALL BE GALVANIZED. ALL FLOOR DECK SHALL BE GALVANIZED.

5.3.4 ROOF DECK INSTALLATION: PLACE DECK UNITS AND SECURE TO ADJACENT FRAMING BY MECHANICAL FASTENERS. MECHANICAL FASTENERS TO BE ONE OF THE FOLLOWING: HILTI X-HSN24 NAIL, OR PNEUTEK, INC. FASTENER SYSTEM. REFER TO DRAWINGS FOR FASTENER SPACING REQUIREMENTS.

5.3.5 FLOOR DECK INSTALLATION: PLACE DECK UNITS AND SECURE TO ADJACENT FRAMING BY WELDING IN ACCORDANCE WITH SDI SPECIFICATIONS FOR EACH DECK THICKNESS, GAGE AND SPAN. PROVIDE ALL CELL CLOSURE AND GIRDER FILLER MATERIAL AS REQUIRED. DECK SUPPLIER SHALL PROVIDE SUPPORT FOR ALL GIRDER FILLER PIECES AS REQUIRED. WHERE NOT INDICATION ON PLANS, PROVIDE POUR STOPS PER SDI POUR STOP SELECTION TABLES.

5.3.6 NO METAL ROOF DECK OPENINGS SHALL BE CUT UNLESS AUTHORIZED AND/OR DIRECTED BY THE ARCHITECT. WHEN OPENINGS ARE REQUIRED, THE FOLLOWING RECOMMENDATIONS APPLY:

6" OPENING OR LESS	(ONE RIB REMOVED) -	NO REINFORCING REQUIRED
6" TO 8" OPENING	(ONE RIB REMOVED) -	18 GA. REINFORCING PLATE, SCREWED TO ADJACENT RIBS.
8" TO 12" OPENING	(TWO RIBS REMOVED) -	16 GA. REINFORCING PLATE, SCREWED TO ADJACENT RIBS.
OPENINGS OVER 12"		STEEL ANGLE FRAME, AS SHOWN ON THE STEEL DETAIL DRAWINGS ARE REQUIRED.

PROVIDE 1-1/2" DEEP REINFORCING CHANNELS IN EACH RIB AT EACH SIDE OF OPENING (FLUSH WITH TOP OF DECK), SPANNING BETWEEN ROOF DECK SUPPORTS, SHOULD THE ROOF OPENINGS BE LOCATED NEAR THE END OF THE DECK.

5.4 COLD FORMED STEEL FRAMING:

5.4.1 GENERAL: CONTRACTOR SHALL DESIGN AND PROVIDE COLD FORMED METAL FRAMING AS REQUIRED FOR THE LOADS, SPANS, AND SPACING SHOWN ON THE DRAWINGS, EXCEPT THAT THE SIZES PROVIDED SHALL BE NOT LESS THAN THE DEPTHS INDICATED AND THE SPACING SHALL NOT EXCEED THE SPACING SPECIFIED. ALL EXTERIOR WALL STUDS SHALL BE NOT LESS THAN 16 GAGE.

5.4.2 REFERENCES: ALL COLD FORMED METAL FRAMING MEMBERS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING STANDARDS AND AS MODIFIED HEREIN:

(AISI)-"SPECIFICATION FOR THE DESIGN OF COLD-FORMED STRUCTURAL MEMBERS".
(AWS)- D1.3 "STRUCTURAL WELDING CODE-SHEET STEEL".

5.4.3 COATING: ALL MATERIALS SHALL HAVE A G90 GALVANIZED COATING CONFORMING WITH ASTM A1003/A1003M.

5.4.4 DEFLECTION CRITERIA: DEFLECTIONS SHALL NOT EXCEED THE FOLLOWING:
-FLOORS: LIVE LOAD = L/360. TOTAL LOAD = L/240.
-ROOFS: LIVE LOAD = L/240. TOTAL LOAD = L/180.
-WALLS WITH MASONRY VENEER: WIND LOAD = L/480. GRAVITY LOAD = L/600.

5.4.5 SUBMITTALS: PRIOR TO FABRICATION OF FRAMING, THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR FABRICATION AND ERECTION TO THE ARCHITECT / ENGINEER FOR APPROVAL. DRAWINGS TO INCLUDE MATERIAL TYPES, SIZES, GAGES, SPACING, ELEVATIONS, SHOWING REQUIRED BRACING, WELDING AND/OR SCREW ATTACHMENT.

5.4.6 CALCULATIONS: SUBMIT STRUCTURAL CALCULATIONS PREPARED BY A ENGINEER LICENSED IN THE JURISDICTION OF THE PROJECT. INCLUDE DESIGN CRITERIA, ANALYSIS DEPICTING STRESS AND DEFLECTION REQUIREMENTS, VERIFICATION OF CONNECTION REQUIREMENTS TO COLD FORMED MEMBERS AND ADJACENT FRAMING.

5.4.7 INSTALLATION: INSTALL MATERIALS IN ACCORDANCE WITH THE "METAL LATH/STEEL FRAMING ASSOCIATION LIGHTWEIGHT STEEL FRAMING SYSTEMS MANUAL" THE MATERIAL MANUFACTURES SUGGESTED SPECIFICATIONS AND THE APPROVED SUBMITTALS.

5.4.8 FASTENING OF LOAD BEARING COMPONENTS SHALL BE BY WELDING. SCREW CONNECTING OF COMPONENTS WILL BE PERMITTED FOR NON-LOAD BEARING STUDS ONLY. ALL WELDS SHALL BE TOUCHED UP WITH ZINC-RICH PAINT.

5.4.9 TEMPORARY BRACING, WHERE REQUIRED, SHALL BE PROVIDED UNTIL ERECTION IS COMPLETED. VERTICAL SLIDE CLIPS SHALL BE PROVIDED AT ALL METAL STUDS NOT CONNECTED OR ANCHORED TO THE MAIN FRAMING SYSTEM. SLIDE CLIPS SHALL BE WELDED TO FRAMING AT EACH STUD.

7.1 ANCHORAGE:

7.1.1 ALL FIELD INSTALLED EXPANSION AND EPOXY ANCHORS SHALL BE APPROVED FOR THE TYPE AND INSTALLATION, FOR ITS APPLICATION, AND MATERIALS.

7.1.2 MINIMUM ANCHOR EMBEDMENT, EDGE DISTANCE AND MINIMUM SPACING ARE AS FOLLOWS U.N.O.:

EXPANSION ANCHORS:						
BOLT DIAMETER (d)	1/4"	3/8"	1/2"	5/8"	3/4"	1"
EMBEDMENT	2"	2.5"	3.5"	4"	4.75"	6"
MIN. EDGE DISTANCE	3.25"	3.75"	5.5"	6"	7"	9"
MIN. SPACING	4.5"	5"	7"	8"	10"	12"

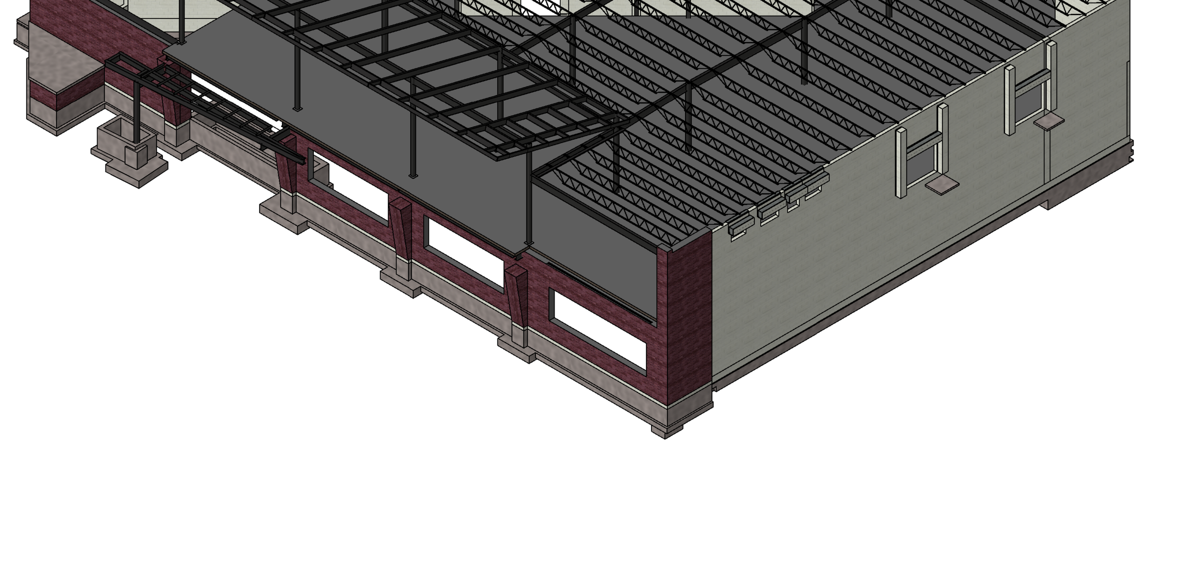
EPOXY ANCHORS:					
BOLT DIAMETER (d)	3/8"	1/2"	5/8"	3/4"	1"
EMBEDMENT	3.5"	4.25"	5"	6.62"	8.25"
MIN. EDGE DISTANCE	6"	6.5"	7.5"	10"	12.5"
MIN. SPACING	5.25"	6.5"	7.5"	10"	12.5"

A B B R E V I A T I O N S

AB	Anchor Bolt
ADDM	Addendum
ADDL	Additional
ADJ	Adjacent
ADJ	Adjustable
AFF	Above Finished Floor
AGGR	Aggregate
ALUM	Aluminum
ALT	Alternate, Alternating
APPROX	Approximate
ANCH	Anchor
ARCH	Architectural
BB	Bond Beam
BC	Bottom Chord
BCX	Bott Chord Extension
BD	Board
BL	Brick Ledge
BLDG	Building
BLK	Block
BLKG	Blocking
BM	Beam
BO	Bottom of
BOF	Bottom of Footing
BOL	Bottom of Lintel
BOS	Bottom of Steel
BOT	Bottom
BOW	Bottom of Wall
BP	Bearing Plate
BRDG	Bridging, Bridge
BRG	Bearing
BRK	Brick
BSMT	Basement
BT	Bent
BTWN	Between
C	Camber
C	Standard Channel
CANT	Cantilever (ed)
CB	Castellated Beam
CB	Catch Basin
CFMU	Conc Form Masonry Unit
CHD	Chord
CIP	Cast-in-Place
CJ	Composite Joist
CJ	Control Joint
CL	Centerline
CLG	Ceiling
CLR	Clear (ance)
CMU	Conc Masonry Unit
COL	Column
CONC	Concrete
CONN	Connection
CONSTR	Construction
CONT	Continuous
CONTR	Contractor
COORD	Coordinate
COV	Cover
CP	Center Point
CRS	Course
CTR	Center
CU FT	Cubic Feet
CU YD	Cubic Yards
D	Depth
DBL	Double
DEPR	Depression
DF	Douglas Fir
DIA	Diameter
DIAG	Diagonal
DIM	Dimension
DK	Deck
DL	Dead Load
DLH	Deep Longspan Joist
DN	Down
DO	Ditto
DR	Door
DTL	Detail
DWG	Drawing
DWL	Dowel
E	Elasticity Modulus
EA	Each
EB	Expansion Bolt
EE	Extended End
EF	Each Face
EIFS	Ext Insul Fin System
EJ	Expansion Joint
EL	Elevation
ELEC	Electrical
ELEV	Elevator
EMBED	Embedment
EP	Embed Plate
EPS	Expanded Polystyrene
EQ	Equal
EQUIP	Equipment
ES	Each Side
EW	Each Way
EX	Existing
EXIST	Existing
EXP	Expansion
EXT	Exterior
F_b	Flexural Bending Stress
F_c	Compressive Stress
F'_c	Comp Stress @ 28 days
F_t	Tensile Stress
F_v	Shear Stress
F_y	Yield Stress
FD	Floor Drain
FDN	Foundation
FFE	Fin Floor Elevation
FH	Full Height
FIN	Finish (ed)
FLR	Floor
FLG	Flange
FOC	Face of Concrete
FOM	Face of Masonry
FOS	Face of Studs
FOW	Face of Wall
FP	Fire Protection, Fireproof
FR	Frame (ed)
FRMG	Framing
FT	Feet, Foot
FTG	Footing
FUT	Future
FV	Field Verify
FW	Fire Wall
G	Girder
GA	Gage
GALV	Galvanized
GB	Grade Beam
GC	General Contractor
GEN	General
GIR	Girder
GL	Glu lam
GLULAM	Glued Laminated Wood
GR BM	Grade Beam
GYP	Gypsum
H	Horizontal, Height
HDR	Header
HGR	Hanger
HI	High
HM	Hollow Metal
HORIZ	Horizontal
HR	Hour
HS	Headed Stud
HSS	Hollow Struct Section
HT	Height
HVAC	Heat/Vent/Air Cond
ICF	Insulating Conc Form
ID	Inside Diameter
IE	Invert Elevation
IF	Inside Face
IN	Inches
INCL	Include (ed) (ing)
INSUL	Insulate (ed) (ion)
INT	Interior
JB	Joist Bearing
JG	Joist Girder
JS	Joist Substitute
JST	Joist
JT	Joint
K	Kips
K	K-Series Steel Joist
KCS	K-Joist Constant Shear
KLF	Kips per Lineal Foot
KO	Knock Out
KSI	Kips per Square Inch
L	Angle
LAM	Laminated
LG	Long, Length
LH	Longspan Steel Joist
LL	Live Load
LLH	Long Leg Horizontal
LLV	Long Leg Vertical
LO	Low
LONG	Longitudinal
LSL	Lam Strand Lumber
LT	Light
LVL	Lam Veneer Lumber
M	Misc Beam
MAS	Masonry
MAX	Maximum
MBR	Member
MC	Misc Channel
MECH	Mechanical
MED	Medium
MEZZ	Mezzanine
MFR	Manufacturer
MH	Manhole
MIN	Minimum
MISC	Miscellaneous
ML	Masonry Lintel
MO	Masonry Opening
MTL	Metal
N	Girder Joist Spaces
NIC	Not in Contract
NOM	Nominal
NTS	Not to Scale
OA	Overall
OAD	Overall Dimension
OC	On Center
OD	Outside Diameter
OF	Outside Face
OH	Opposite Hand
OH	Overhead
OPNG	Opening
OPP	Opposite
OSB	Oriented Strand Board
PAF	Powder Actuated Fastener
PC	Piece
PC	Precast
PCI	Pounds per Cubic Inch
PERIM	Perimeter
PL	Plate
PLBG	Plumbing
PLF	Pounds per Lineal Foot
PLK	Plank
PLYWD	Plywood
PNL	Panel
PR	Pair
PSF	Pounds per Sq Foot
PSI	Pounds per Sq Inch
PSL	Parallel Strand Lumber
PT	Pressure Treated
R	Riser, Radius
RAD	Radius
RD	Roof Drain
REINF	Reinforcing
REQ	Required, Requirement(s)
REV	Revision
RO	Rough Opening
RTU	Roof Top Unit
RW	Retaining Wall
S	Standard Beam
SCHED	Schedule
SD	Side
SDS	Self Drilling Screw
SECT	Section
SF	Square Feet
SHT	Sheet
SHTG	Sheathing
SI	Slotted Insert
SIM	Similar
SL	Slab
SL	Superimposed Load
SLH	Super Longspan Joist
SOG	Slab on Grade
SP	Spaces
SP	Special (for joists)
SPCL	Special
SPEC	Specification
SPF	Spruce, Pine, Fir
SQ	Square
SS	Stainless Steel
STD	Standard
STIF	Stiffener
STL	Steel
STRUCT	Structural
SUB	Substitute
SUSP	Suspended
T	Tread
T&B	Top and Bottom
T&G	Tongue and Groove
TB	Truss Bearing
TC	Top Chord
TCX	Top Chord Extension
TEMP	Temperature
THK	Thickened, Thick
TL	Total Load
TO	Top of
TOC	Top of Concrete
TOD	Top of Deck
TOF	Top of Footing
TO GB	Top of Grade Beam
TOM	Top of Masonry
TOP	Top of Panel
TOP	Top of Pier
TOPP	Topping
TOS	Top of Steel
TOSL	Top of Slab
TOW	Top of Wall
TRANS	Transverse
TYP	Typical
UL	Underwriters Lab
UNEXC	Unexcavated
UNO	Unless Noted Otherwise
UR	Urinal
V	Vertical
VERT	Vertical
VLD	Vertical Leg Down
VLU	Vertical Leg Up
W	Width, Wide
W	Wide Flange Beam
w/	with
w/o	without
WD	Wood
WHS	Welded Headed Stud
WP	Working Point
WT	Wide Flange Tee
WWM	Welded Wire Mesh

Symbols

ø	Diameter
d	Penny
#	Rebar Number
#	Pounds
±	Plus or Minus



SHEET INDEX

S0.1	GENERAL NOTES AND ABBREVIATIONS
S0.2	ROOF UPLIFT, SNOW LOADING AND DECK FASTENING PLAN
S1.B1	FOUNDATION PLAN - UNIT B
S1.B2	SECOND FLOOR FRAMING - UNIT B
S1.B3	ROOF FRAMING PLAN - UNIT B
S3.1	WALL SECTIONS
S3.2	WALL SECTIONS
S5.1	SECTIONS AND DETAILS
S5.2	SECTIONS AND DETAILS
S5.3	SECTIONS AND DETAILS
S5.4	SECTIONS AND DETAILS
S5.5	SECTIONS AND DETAILS
S5.6	SECTIONS AND DETAILS

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AMBROSE ENGINEERING

Project Title:
ADDITION AND RENOVATION TO
LITTLE CHUTE HIGH/MIDDLE/INTERMEDIATE SCHOOL
Little Chute Area School District
1402 Freedom Rd Little Chute, WI 54140

REVISIONS:

#	DATE	DESCRIPTION

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GENERAL NOTES AND ABBREVIATIONS

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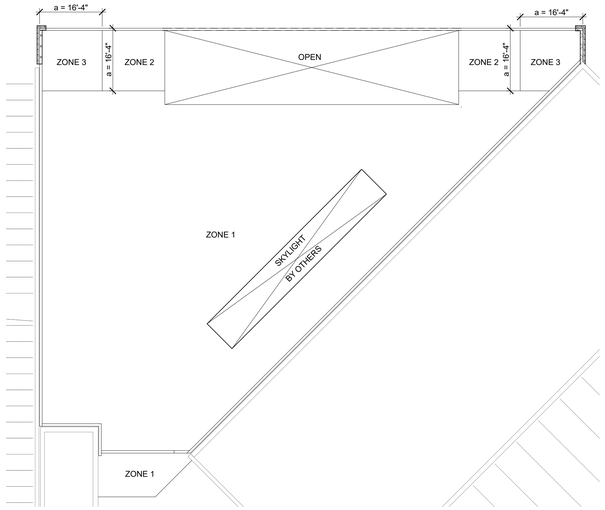


NORTH

MAIN ROOF UPLIFT PLAN - UNIT B

SCALE: 1/16" = 1'-0"

ROOF UPLIFT NOTES

1. PROVIDE AN FM APPROVED ABOVE THE DECK ROOFING ASSEMBLY FOR THE FOLLOWING UPLIFT VALUES. IN ADDITION, THE ABOVE THE DECK ROOFING ASSEMBLY SHALL HAVE A MINIMUM 1-90 WIND UPLIFT RATING.

ZONE	MAIN ROOF	HIGH ROOF
ZONE 1 (FIELD)	-23 PSF	-31 PSF
ZONE 2 (PERIMETER)	-39 PSF	-37.2 PSF
ZONE 3 (CORNERS)	-59 PSF	-54.5 PSF

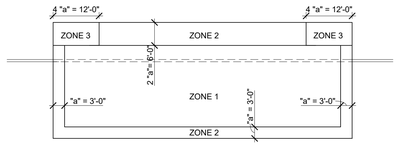
2. INSTALL FM APPROVED ABOVE THE DECK ROOFING ASSEMBLY IN ACCORDANCE WITH ALL FM RECOMMENDATIONS INCLUDING ADDITIONAL FASTENERS IN PERIMETER AND CORNER ZONES.

3. JOIST SUPPLIER TO DESIGN JOISTS FOR A NET UPLIFT OF:

ZONE	PRESSURE
ZONE 1 (FIELD)	-16 PSF
ZONE 2 (PERIMETER)	-21 PSF
ZONE 3 (CORNERS)	-23 PSF

4. SEE UPLIFT PLAN FOR EDGE STRIP DISTANCE "a".

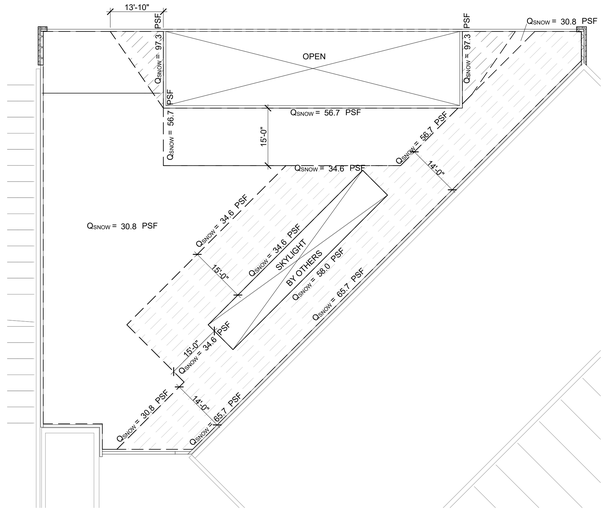
5. PRESSURES INDICATED ARE ALLOWABLE LOADS (1.0W) PER IBC 2009.



NORTH

HIGH ROOF UPLIFT PLAN - UNIT B

SCALE: 1/16" = 1'-0"



NORTH

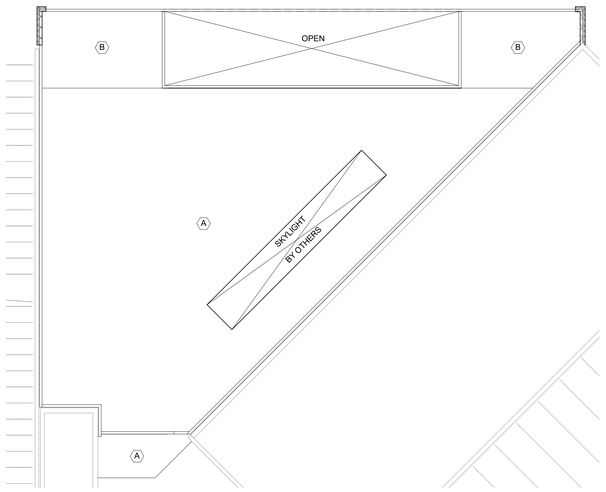
MAIN ROOF SNOW LOADING PLAN - UNIT B

SCALE: 1/16" = 1'-0"

NORTH

HIGH ROOF SNOW LOADING PLAN - UNIT B

SCALE: 1/16" = 1'-0"



NORTH

MAIN ROOF DECK FASTENING PLAN - UNIT B

SCALE: 1/16" = 1'-0"

DECK FASTENING SCHEDULE

MARK	DECK SIZE	FASTENER PATTERN	SIDE LAP CONNECTIONS BTWN JOISTS
A	1 1/2" - 22 GA TYPE B	36 / 5	(1) #10 SDS
B	1 1/2" - 22 GA TYPE B	36 / 7	(3) #10 SDS

NOTES:

1. WHEN NUMBER OF SIDELAPS ARE INDICATED SPACE EQUALLY IN DECK SPAN. WHEN SIDELAP SPACING IS INDICATED FIRST AND LAST SIDELAP CONNECTION WITHIN EACH SPAN TO BE NO MORE THAN ONE-HALF THE SPECIFIED SPACING.

2. SIDELAP CONNECTION TYPES:
   DSC = DELTAGRIP SIDESEAM CONNECTION
   BP = BUTTON PUNCH
   TSW = TOP SEAM WELD
   #10 SDS = #10 HWH SELF DRILLING SCREW
   SLC = HILTI S-SLC 01 M HWH SIDELAP CONNECTOR

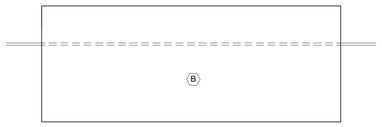
3. ALTERNATE DECK TYPES AND FASTENING MAY BE SUBMITTED FOR APPROVAL. TYPE B DECK BY VULCRAFT, INC. IS SHOWN

ROOF DECK FASTENING NOTES:

1. MECHANICALLY FASTEN DECK TO SUPPORTS WITH FASTENERS INDICATED BELOW. WELDING WILL NOT BE ALLOWED.

   - JOISTS AND BEAMS: 3/16" <= t <= 3/8" — USE HILTI X-HSN24
   - JOISTS: 1/8" <= t <= 3/16" — USE HILTI X-HSN24
   - BEAMS & HEAVY JOISTS: t >= 1/4" — USE HILTI X-ENP-19
     t = THICKNESS OF BASE MATERIAL

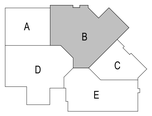
2. MINIMUM 1/8" MATERIAL THICKNESS REQUIRED AT JOIST TOP CHORDS.



NORTH

MAIN ROOF DECK FASTENING PLAN - UNIT B

SCALE: 1/16" = 1'-0"



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AMBROSE ENGINEERING

Project Title:
ADDITION AND RENOVATION TO LITTLE CHUTE HIGH/MIDDLE/INTERMEDIATE SCHOOL
Little Chute Area School District
1402 Freedom Rd Little Chute, WI 54140

REVISIONS:

#	DATE	DESCRIPTION

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Sheet Title:
ROOF UPLIFT, SNOW LOADING AND DECK FASTENING PLAN

Sheet Number:
S0.2

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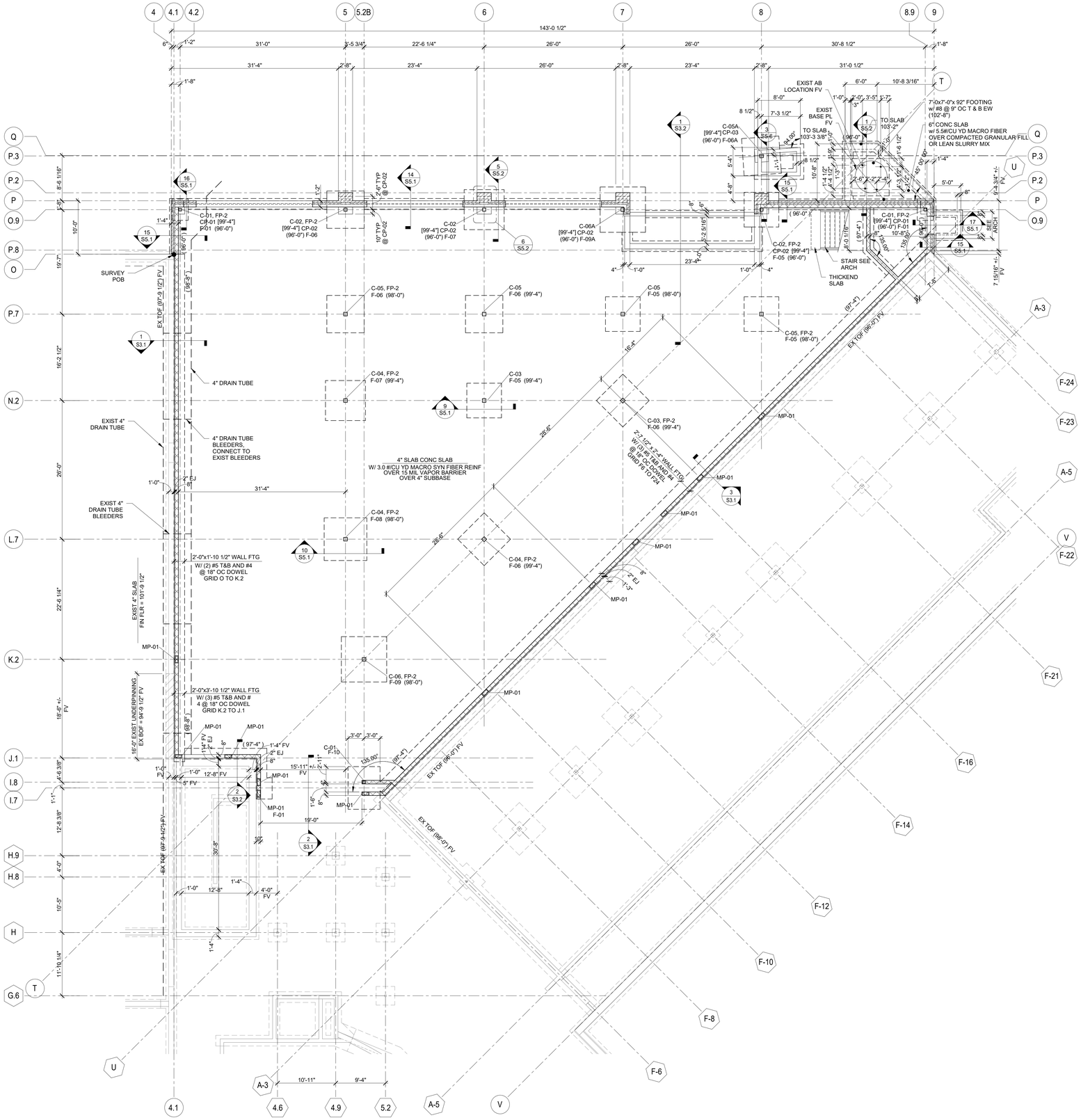


FOUNDATION PLAN - UNIT B

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

FOOTING SCHEDULE

MARK	SIZE	REINFORCING EACH WAY
F-01	4'-0"x3'-0"x28	(4)#4 LW & (6)#4 SW
F-05	6'-6"x6'-6"x16	(8) #5
F-06	7'-0"x7'-0"x17	(6) #6
F-06A	7'-0"x7'-0"x17	(6) #6 T&B
F-07	7'-6"x7'-6"x18	(7) #6
F-08	8'-0"x8'-0"x19	(7) #6
F-09	8'-6"x8'-6"x20	(9) #6
F-09A	8'-6"x8'-6"x20	(9) #6 T&B
F-10	8'-0"x6'-0"x28	(6) #6 LW & (11) #6 SW

- SOIL CAPACITY = 3000 PSF (REPORT).

COLUMN SCHEDULE

MARK	SIZE	Base Plate	ANCHOR BOLTS
C-01	HSS6x6x1/4	PL3/4x8x1'-0"	(4) 3/4"
C-01A	HSS6x6x1/4	PL3/4x"A"x1'-0"	(4) 3/4" A 325 BOLTS
C-02	HSS7x7x3/8	PL1-1/2x9x13"	(4) 1"
C-02A	HSS7x7x3/8	PL3/4x"A"x1'-1"	(4) 3/4" A325 BOLTS
C-03	HSS8x8x1/4	PL3/4x14x1'-2"	(4) 3/4"
C-04	HSS8x8x5/16	PL3/4x14x1'-2"	(4) 3/4"
C-05	HSS8x8x3/8	PL1-1/2x10x1'-2"	(4) 1"
C-05A	HSS8x8x3/8	PL1-1/2x14x1'-2"	(4) 1"
C-06	HSS8x8x1/2	PL1x14x1'-2"	(4) 3/4"
C-06A	HSS8x8x1/2	PL1x14x1'-2"	(4) 1"

- PROVIDE 1/4" SETTING PLATE SAME SIZE AS BASE PLATE.
- SEE DETAIL 7/S5.1 FOR ANCHOR BOLT DETAIL
- SEE DETAIL 4/S5.2 FOR TYPICAL BASE PLATE DETAILS
- 'A' INDICATES WIDTH OF BEAM FLANGE

MASONRY PIER SCHEDULE

MARK	SIZE	VERT REINF	TIES
MP-01	8"x16"	(4) #5	---
MP-02	12"x16"	---	---

- PROVIDE DOWELS INTO FOUNDATION WALL OR FOOTING SAME SIZE AND QUANTITY AS PIER VERTICALS.

CONCRETE PIER SCHEDULE

MARK	SIZE	VERT REINF	TIES
CP-01	20"x20"	(8) #7	#3 @ 12" OC
CP-02	40"x32"	(10) #8	#3 @ 12" OC
CP-03	30"x30"	(12) #8	#3 @ 12" OC

- PROVIDE DOWELS INTO FOOTING SAME SIZE AND QUANTITY AS PIER VERTICALS.
- SEE DETAIL 2/S5.2 FOR PIER DETAILS

CONCRETE FOUNDATION NOTES

1. SEE SHEET S0.1 FOR GENERAL NOTES AND ABBREVIATIONS.
2. FINISHED FLOOR - EL 100'-0" (unless noted otherwise) FIN FLR IS FOR REFERENCE ONLY - SEE CIVIL DWGS FOR DATUM INFORMATION.
3. (xx'-x") INDICATES TOP OF FOOTING ELEVATION.
4. TYPICAL TOP OF FOOTING ELEVATION:
   INTERIOR - EL 99'-4" (unless noted otherwise)
   EXTERIOR - EL 96'-0" (unless noted otherwise)
5. WALL FOOTINGS
   EXTERIOR - 2'-0" x 12" (2) #5 BOT (unless noted otherwise)
   STOOPS - 1'-4" x 8" NO REINF (unless noted otherwise)
6. SEE DETAIL 4/S5.1 FOR TYPICAL CONCRETE WALL FOOTING STEP DETAIL.
7. [xx'-x"] INDICATES TOP OF CONCRETE FOUNDATION WALL OR PIER ELEVATION.
8. TYPICAL TOP OF WALL CONCRETE WALL ELEVATION: EL 100'-0" (unless noted otherwise)
9. TYPICAL TOP OF CONCRETE PIER OR TOP OF BRICK LEDGE ELEVATION: EL 99'-4" (unless noted otherwise)
10. CONCRETE FOUNDATION WALL REINFORCING: (2) #5 CONT TOP AND BOTTOM (unless noted otherwise)
11. SEE DETAIL 3/S5.1 AND 6/S5.1 FOR TYPICAL CONCRETE FOUNDATION WALL DETAILS.
12. SEE DETAIL 8/S5.1 FOR TYPICAL PIPE PENETRATION THROUGH FOUNDATION WALLS AND FOOTINGS.
13. ALL STRUCTURAL MASONRY WALLS TO BE LAID IN RUNNING BOND PATTERN AND REINFORCED w/ #5 @ 32" OC VERTICAL UNO

EXISTING CONDITIONS NOTE

1. ALL EXISTING CONDITIONS TO BE FIELD MEASURED AND FIELD VERIFIED PRIOR TO FABRICATION OR CONSTRUCTION. IN CASE OF DISCREPANCY BETWEEN PLANS & FIELD CONDITIONS NOTIFY ARCHITECT. DO NOT PROCEED UNTIL THE CONDITIONS ARE RESOLVED.
2. SEE ARCHITECTURAL DRAWINGS FOR DEMOLITION INFORMATION NOT SHOWN ON THIS DRAWING.
3. SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS NOT SHOWN ON THIS DRAWING.
4. CONTRACTORS ARE RESPONSIBLE FOR CORRECT AND COMPLETE USE OF INFORMATION PROVIDED IN CONSTRUCTION DOCUMENTS. IN CASE OF MISSING INFORMATION OR DISCREPANCY NOTIFY ARCHITECT OR ENGINEER. DO NOT PROCEED UNTIL THE CONDITIONS ARE RESOLVED.

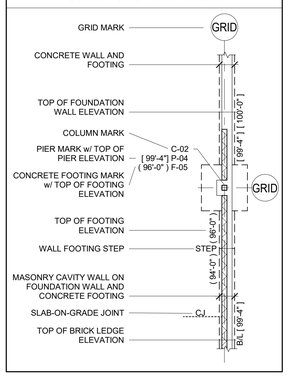
FIRE RESISTIVE CONSTRUCTION NOTES

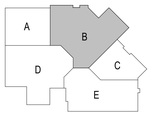
1. SEE ARCH FOR FIRE WALL & RATED WALL LOCATIONS. FIRE WALLS REQUIRE SPECIAL CONNECTIONS
2. INDICATES 2 HOUR FIRE WALL
   INDICATES 3 HOUR FIRE WALL
   INDICATES 4 HOUR FIRE WALL
3. FP-X INDICATES THE REQUIRED FIREPROOFING STEEL MEMBERS. SEE ARCHITECTURAL AND SPECIFICATIONS
4. SHADING DENOTES AREAS WITH SPRAY-ON FIREPROOFING. APPLY TO ALL STEEL MEMBERS, STEEL CONNECTIONS, AND METAL DECK. SEE SPECIFICATIONS.

SLAB ON GRADE NOTES

1. SEE SHEET S0.1 FOR GENERAL NOTES AND ABBREVIATIONS.
2. FINISHED FLOOR - EL 100'-0" (unless noted otherwise) FIN FLR IS FOR REFERENCE ONLY - SEE CIVIL DRAWINGS FOR DATUM INFORMATION.
3. SEE ARCHITECTURAL DRAWINGS FOR UNDER SLAB INSULATION REQUIREMENTS.
4. SEE DETAIL 2S/S.1 AND 5/S5.1 FOR SLAB JOINT DETAILS.
5. SEE DETAIL 1/S5.1 FOR SUPPLEMENTAL SLAB REINFORCING DETAIL.
6. STOOB SLABS
   5" CONCRETE SLAB w/ #3 @ 12"OC EACH WAY (UNO).
7. ALL NON-STRUCTURAL MASONRY WALLS TO BE SUPPORTED ON THICKENED SLABS, SEE DETAIL 11/S5.1
8. SEE ARCH PLANS FOR LOCATION OF NON-STRUCTURAL WALLS.
9. SEE DETAIL 13/S5.1 FOR TYPICAL HOUSEKEEPING DETAIL.

FOUNDATION SYMBOL LEGEND





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FOUNDATION PLAN - UNIT B

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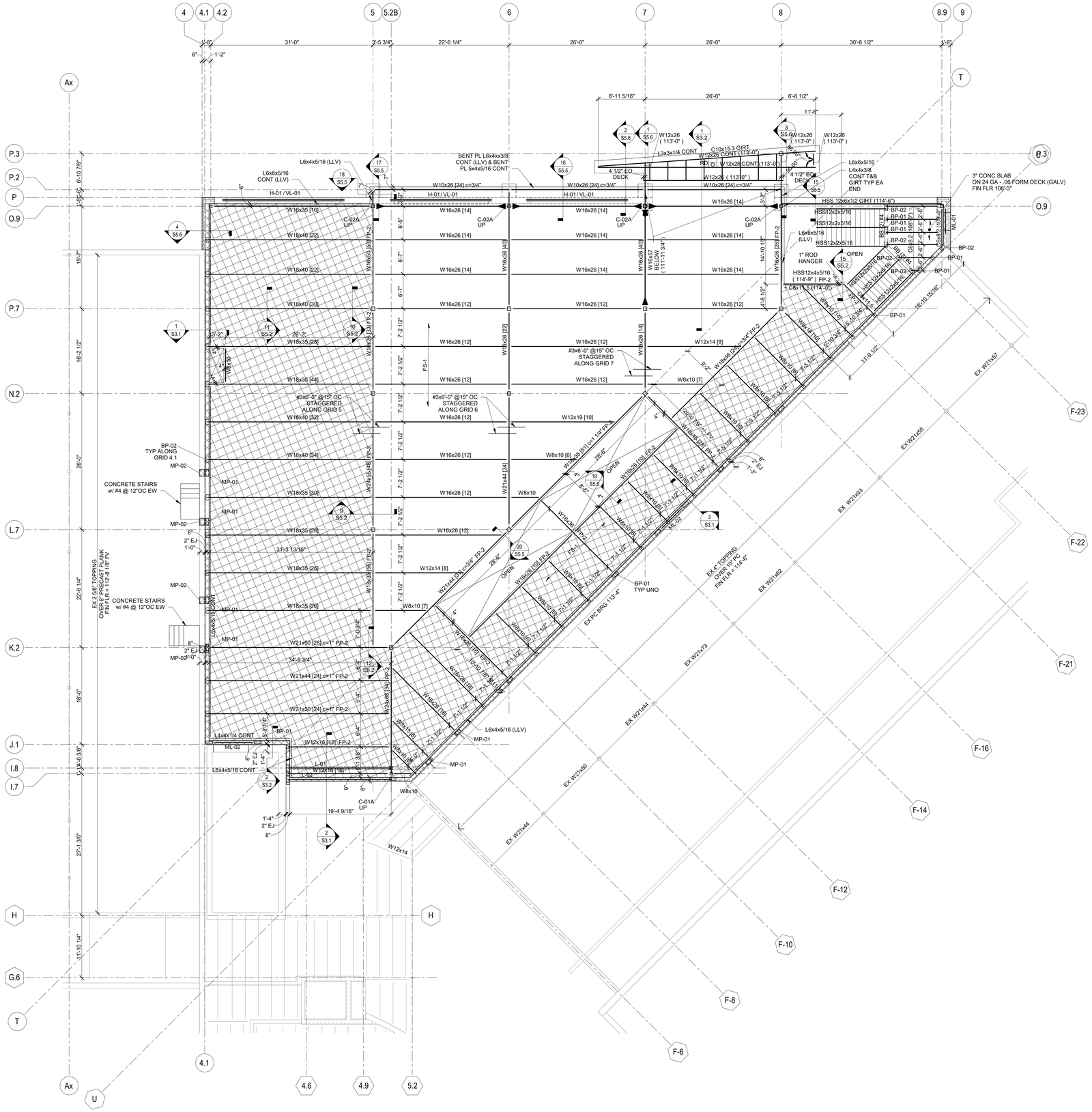


NORTH

SECOND FLOOR FRAMING PLAN - UNIT B

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

MASONRY LINTEL SCHEDULE				
MARK	TYPE	SIZE	REINF	TIES
ML-01	D	8"x16"	(2) #4 BOT	------
ML-02	D	8"x24"	(2) #5 BOT	------
ML-03	D	12"x16"	(2) #5 BOT	------

- SEE SHEET S5.3 FOR TYP LINTEL SECTIONS AND DETAILS

STEEL LINTEL SCHEDULE				
MARK	TYPE	SIZE	PLATE	GUSSETS
L-01	A	W8x24	7 x 1/4 PL	----------
L-02			7 x 1/4 PL	----------

- SEE SHEET S5.3 FOR TYP LINTEL SECTIONS AND DETAILS
- COAT LINTELS WITH INTUMESCENT COATING TO ACHIEVE 2HR FIRE RATING

HEADER SCHEDULE		
MARK	SIZE	COMMENTS
H-01	6" WIDE, 14 GA (MIN)	BY LT GA SUPPLIER

VENEER LINTEL SCHEDULE			
MARK	TYPE	SIZE	Anchors
VL-01	E	L7x4x3/8 (LLV)	#12 SDS @ 16" OC STAGGERED T&B

- PROVIDE LOOSE ANGLE LINTELS AT ALL BRICK VENEER OR CAST STONE CORNICE OPENINGS.
- SEE SHEET S5.3 FOR TYP LINTEL SECTIONS AND DETAILS

COMPOSITE STEEL FLOOR FRAMING NOTES

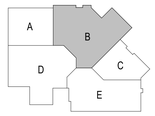
1. SEE SHEET S0.1 FOR GENERAL NOTES AND ABBREVIATIONS.
2. FINISHED FLOOR ELEVATIONS - EL 114'-6" (unless noted otherwise)
3. FLOOR SLAB FS-1:
   6" CONCRETE SLAB w/ 4.0#/CU YD MACRO SYNTHETIC FIBER REINFORCING (SEE SPECIFICATIONS) ON 2" - 24 GA TYPE VL COMPOSITE DECK. SAWCUT CONTROL JOINTS ARE NOT REQUIRED. DECK LAYOUT 3-SPAN MINIMUM (unless noted otherwise)

   COMPOSITE STEEL DECK SHALL HAVE MAXIMUM UNSHORED SPANS AS FOLLOWS:

   SINGLE SPAN CONDITIONS 7' - 1"
   TWO SPAN CONDITIONS 9' - 1"
   THREE SPAN CONDITIONS 9' - 4"
4. PROVIDE (4) 5/8" PUDDLE WELDS PER SHEET TO ALL SUPPORTS PERPENDICULAR TO DECK FLUTES.
5. PROVIDE 5/8" PUDDLE WELDS AT 12" OC TO ALL STRUTS AND GIRDER BEAMS PARALLEL TO DECK FLUTES.
6. CONNECT SIDELAPS WITH BUTTON PUNCHES OR SCREWS AT 24" OC.
7. REINFORCE DECK OPENINGS PER 8/S5.2 DECK OPENINGS MAY NOT BE SHOWN ON PLAN - SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
8. (xxx'-x") INDICATES TOP OF STEEL ELEVATIONS TOP OF STEEL BEAMS - EL 114'-0" (unless noted otherwise)
9. [...] INDICATES NUMBER OF 3/4" x 0'-4 1/2" HEADED SHEAR STUDS EQUALLY SPACED ON STEEL BEAMS (unless noted otherwise) STUD LENGTH INDICATED IS AFTER WELDING
10. c=x" INDICATES UPWARD CAMBER AT BEAM CENTERLINE.
11. ► INDICATES MOMENT CONNECTION. SEE DETAILS SHEET S5.5
12. COORDINATE LOCATIONS OF EMBEDDED/ RECESSED ELECTRICAL BOXES IN FLOOR SLAB w/ ELECTRICAL OR ARCH PLANS
13. SEE DETAIL 13/S5.2 FOR NON-STRUCTURAL MASONRY WALL BEARING ON COMPOSITE FLOOR. SEE DETAIL 14/S5.2 FOR NON-STRUCTURAL MASONRY WALLS BRACED BY COMPOSITE FLOOR. SEE ARCH FOR LOCATION OF NON-STRUCTURAL WALLS.
14. BEARING PLATES:
    BP-1 PL1/2x7x0'-7" w/ (2) 1/2"x6" ANCH
    BP-2 PL3/4x7x1'-0" w/ (2) 1/2"x6" ANCH

FIRE RESISTIVE CONSTRUCTION NOTES

1. SEE ARCH FOR FIRE WALL & RATED WALL LOCATIONS. FIRE WALLS REQUIRE SPECIAL CONNECTIONS
2. INDICATES 2 HOUR FIRE WALL
   INDICATES 3 HOUR FIRE WALL
   INDICATES 4 HOUR FIRE WALL
3. FP-X INDICATES THE REQUIRED FIREPROOFING STEEL MEMBERS. SEE ARCHITECTURAL AND SPECIFICATIONS
4. SHADING DENOTES AREAS WITH SPRAY-ON FIREPROOFING. APPLY TO ALL STEEL MEMBERS, STEEL CONNECTIONS, AND METAL DECK. SEE SPECIFICATIONS.



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SECOND FLOOR FRAMING - UNIT B

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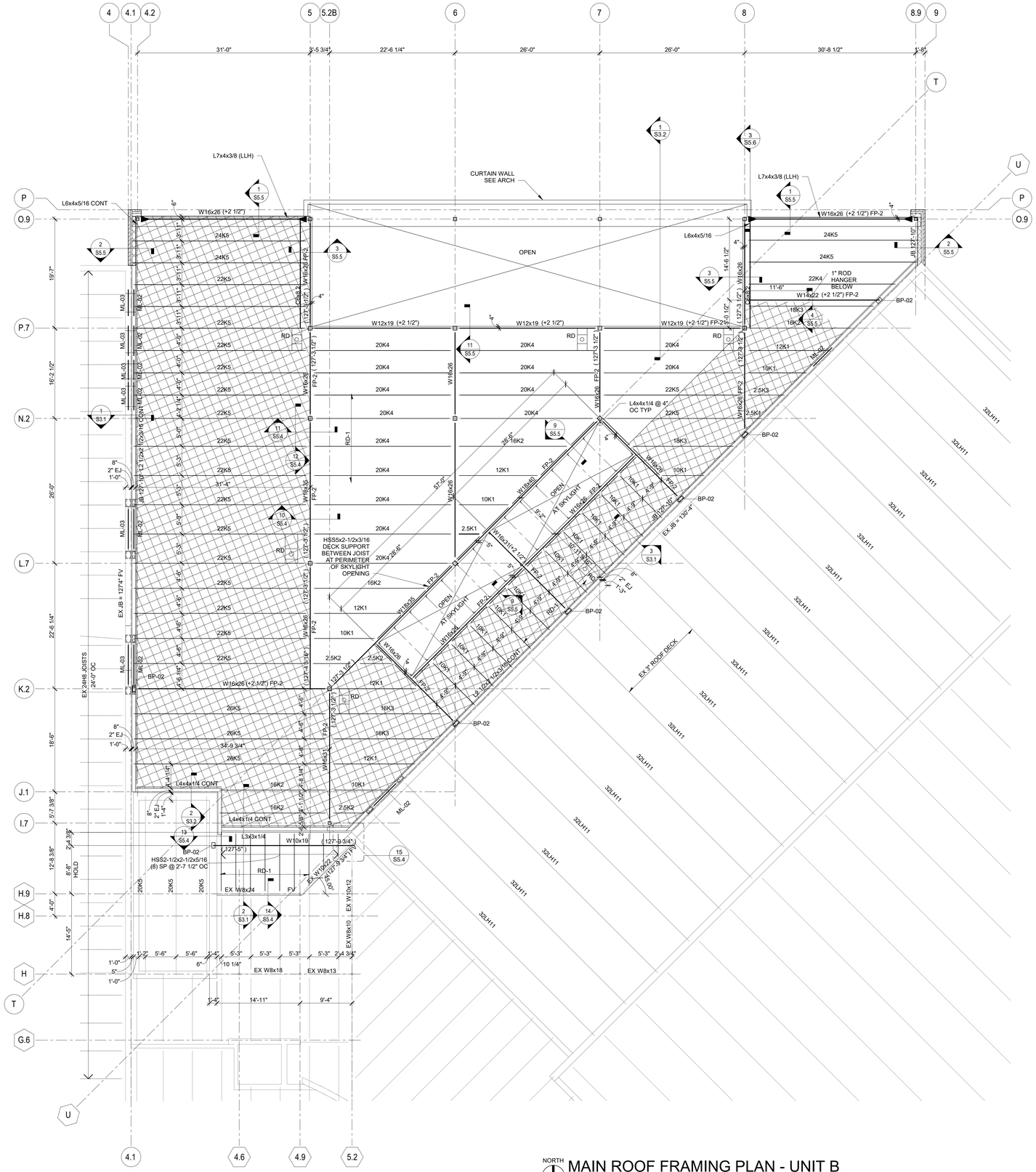
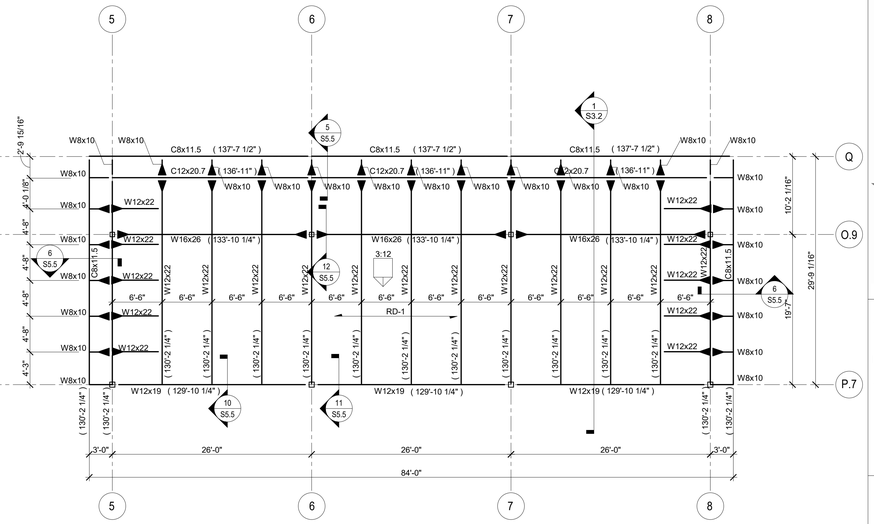


NORTH
MAIN ROOF FRAMING PLAN - UNIT B
SCALE: 1/8" = 1'-0"



NORTH
HIGH ROOF FRAMING PLAN - UNIT B
SCALE: 1/8" = 1'-0"

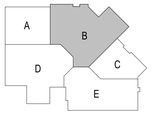
MASONRY LINTEL SCHEDULE

MARK	TYPE	SIZE	REINF	TIES
ML-01	D	8"x16"	(2) #4 BOT	------
ML-02	D	8"x24"	(2) #5 BOT	------
ML-03	D	12"x16"	(2) #5 BOT	------

- SEE SHEET S5.3 FOR TYP LINTEL SECTIONS AND DETAILS

ROOF FRAMING NOTES

1. SEE SHEET S0.1 FOR GENERAL NOTES AND ABBREVIATIONS.
2. ROOF DECK RD-1: 1 1/2" 22 GA - TYPE B, MECH FASTENED (unless noted otherwise) SEE SHEET S0.2 FOR FASTENING PATTERN AND DETAIL 1/S5.4
6. DECK LAYOUT MUST BE 3-SPAN MINIMUM.
7. (xxx"-x") INDICATES TOP OF STEEL ELEVATION AT JOIST BEARING. TOS = 127'-10" UNO.
8. (± x") INDICATES TOP OF STEEL ELEVATIONS ABOVE OR BELOW TOP OF STEEL AT JOIST BEARING.
9. JB xxx"-x" INDICATES JOIST BEARING ELEVATIONS.
10. [x"] INDICATES JOIST SEAT HEIGHT.
11. JOISTS AS DESIGNATED HAVE BEEN DESIGNED FOR THE LOADS INDICATED IN GENERAL NOTE 1.1.3 AND ANY ADDITIONAL LOADS, INCLUDING DRIFTING SNOW LOADS, SHOWN ON SHEET S0.2.
12. PROVIDE BRIDGING, INCLUDING UPLIFT BRIDGING, PER SJI, OSHA AND JOIST MANUFACTURERS REQUIREMENTS AT ALL JOISTS. FIRST OR SECOND JOIST SPACE TO BE DIAGONAL TYPE.
13. PROVIDE PL1/4x5x0'-7" w/ (2) 3/8"x4" ANCH AT EACH K-SERIES JOIST END BEARING ON BOND BEAM.
15. PROVIDE PL1/4x7x0'-9" w/ (2) 3/8"x4" ANCH AT K-JOIST ENDS DOUBLE BEARING ON BOND BEAM.
16. ROOF OPENINGS - VERIFY ALL SIZES AND LOCATIONS WITH MECHANICAL AND PLUMBING DRAWINGS. PROVIDE L3x3x1/4 FRAME AT ALL SUMP PANS AND ROOF OPENINGS BETWEEN JOISTS SPACED LESS THAN OR EQUAL TO 5'-6" OC SEE DETAIL 2/S5.4. PROVIDE L4x4x1/4 FRAME AT ALL ROOF OPENINGS BETWEEN JOISTS SPACED GREATER THAN 5'-6" OC SEE DETAIL 2/S5.4. FOR OPENINGS 12" OR LESS SEE GENERAL NOTE 5.3.6.
17. SEE DETAILS 4 & 5/S5.4 FOR MECH EQUIPMENT FRAMING.
18. c = x" INDICATES UPWARD CAMBER AT BEAM CENTERLINE.
19. ALL ANGLES INDICATED ON PLAN AS CONTINUOUS (CONT) SHALL BE SPLICED PER DETAIL 6/S5.4.
20. ▶ INDICATES MOMENT CONNECTION. SEE DETAILS SHEET S5.5
21. SEE DETAILS 3/S5.4 FOR REINFORCING OF JOISTS AT CONCENTRATED LOADS.
22. BEARING PLATES:
    BP-1 PL1/2x7x0'-7" w/ (2) 1/2"x6" ANCH
    BP-2 PL3/4x7x1'-0" w/ (2) 1/2"x6" ANCH
23. SEE SHEET S5.3 FOR MASONRY LINTEL DETAILS.
24. SEE ARCH FOR LOCATIONS OF NON-STRUCTURAL WALLS. SEE DETAIL 1/S5.3 FOR LINTELS AT NON-STRUCTURAL MASONRY WALLS AND DETAIL 8/S5.4 FOR BRACING OF NON-STRUCTURAL MASONRY WALLS AT ROOF.



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ROOF FRAMING PLAN - UNIT B

Sheet Number:
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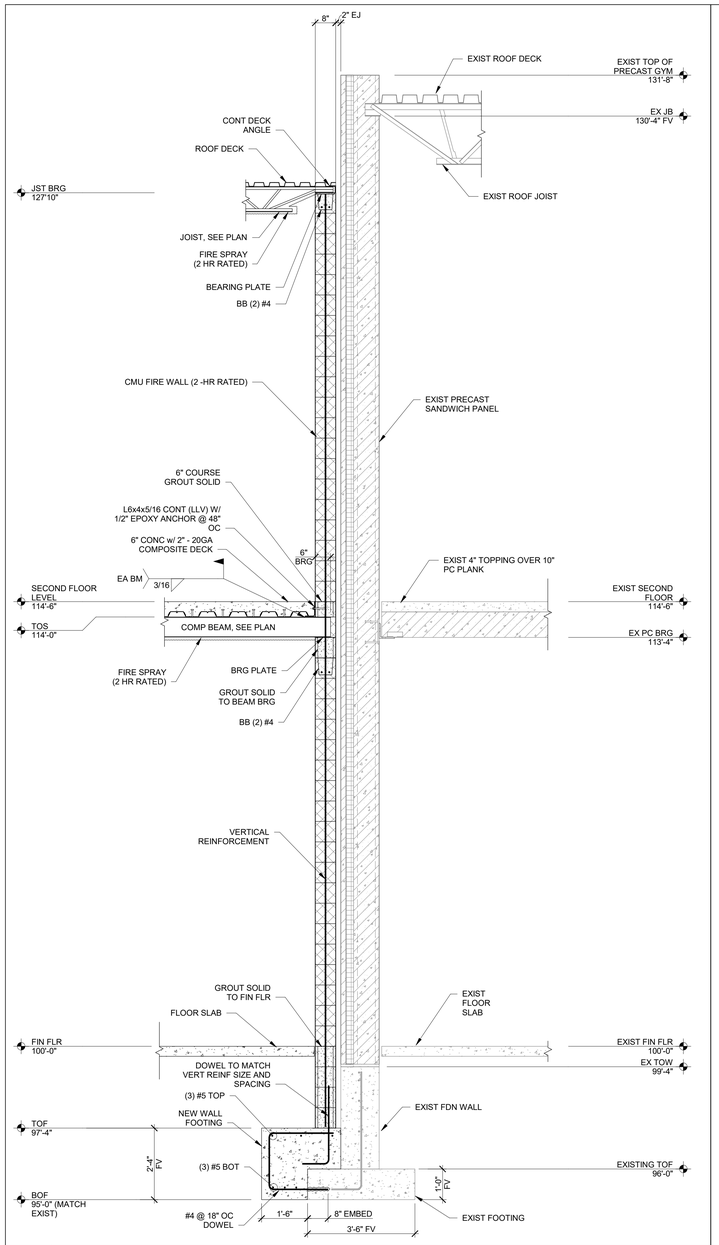
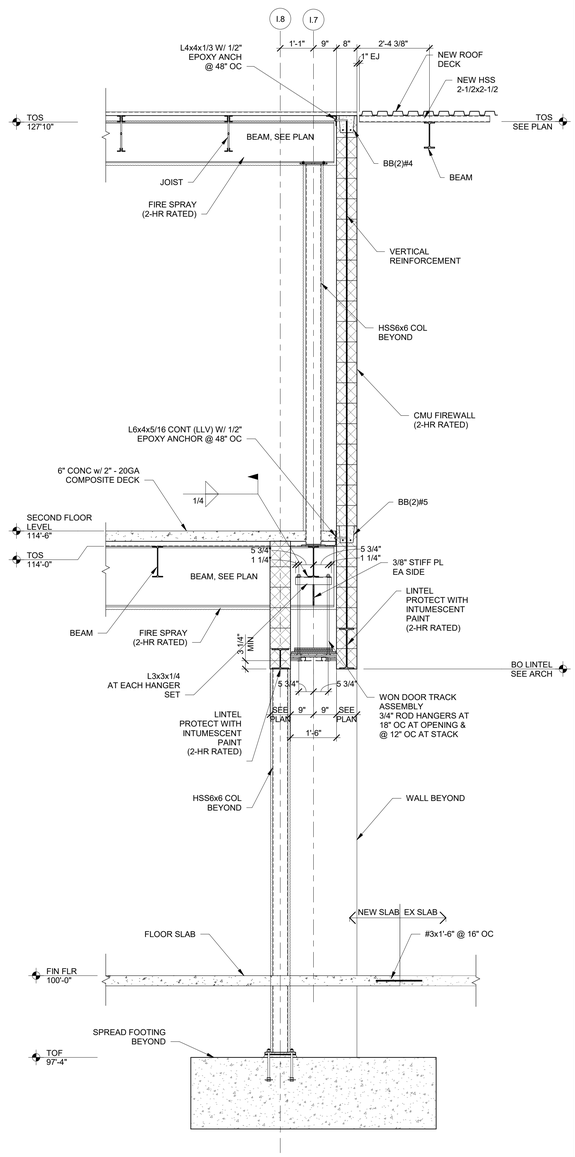


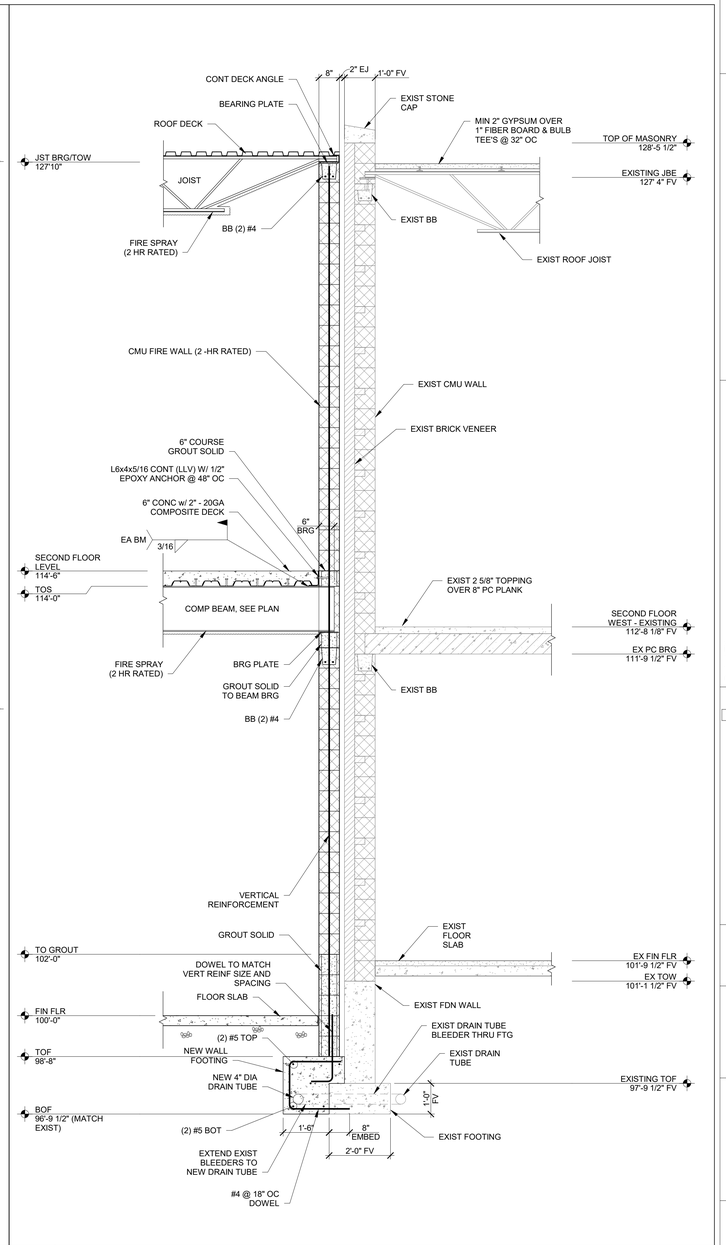
3 FIREWALL SECTION

S3.1 SCALE: 1/2" = 1'-0"



2 FIREWALL SECTION

S3.1 SCALE: 1/2" = 1'-0"



1 FIREWALL SECTION

S3.1 SCALE: 1/2" = 1'-0"

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AMBROSE ENGINEERING

Project Title:
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Little Chute Area School District
1402 Freedom Rd Little Chute, WI 54140

REVISIONS:

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WALL SECTIONS

Sheet Number:
S3.1

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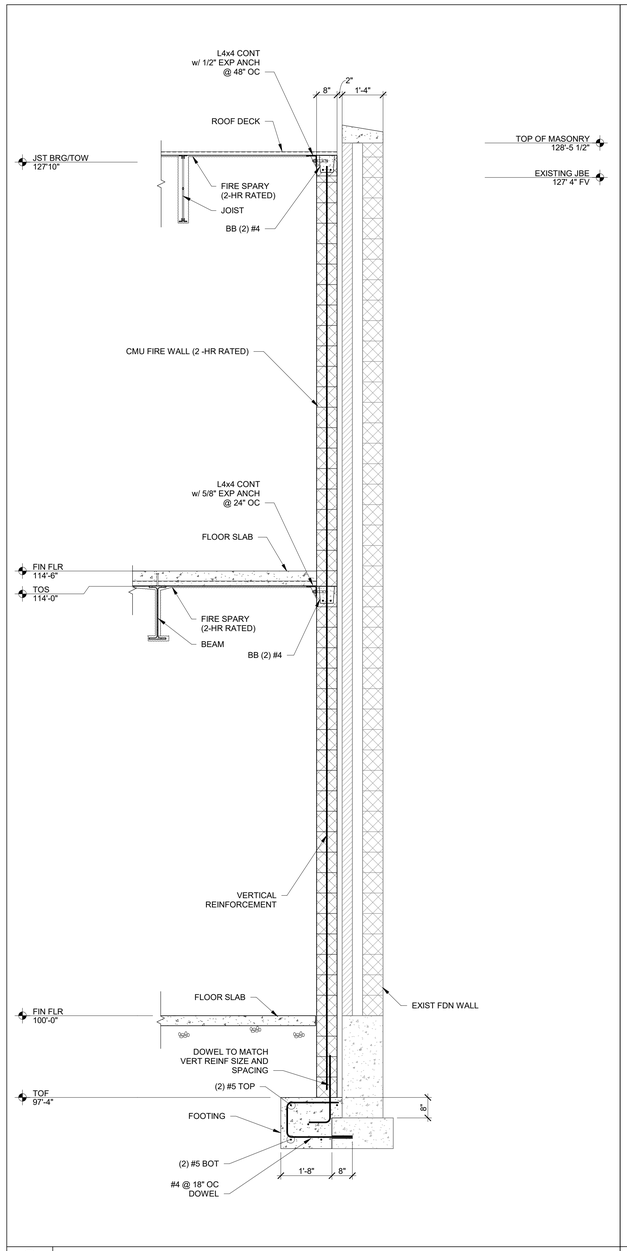
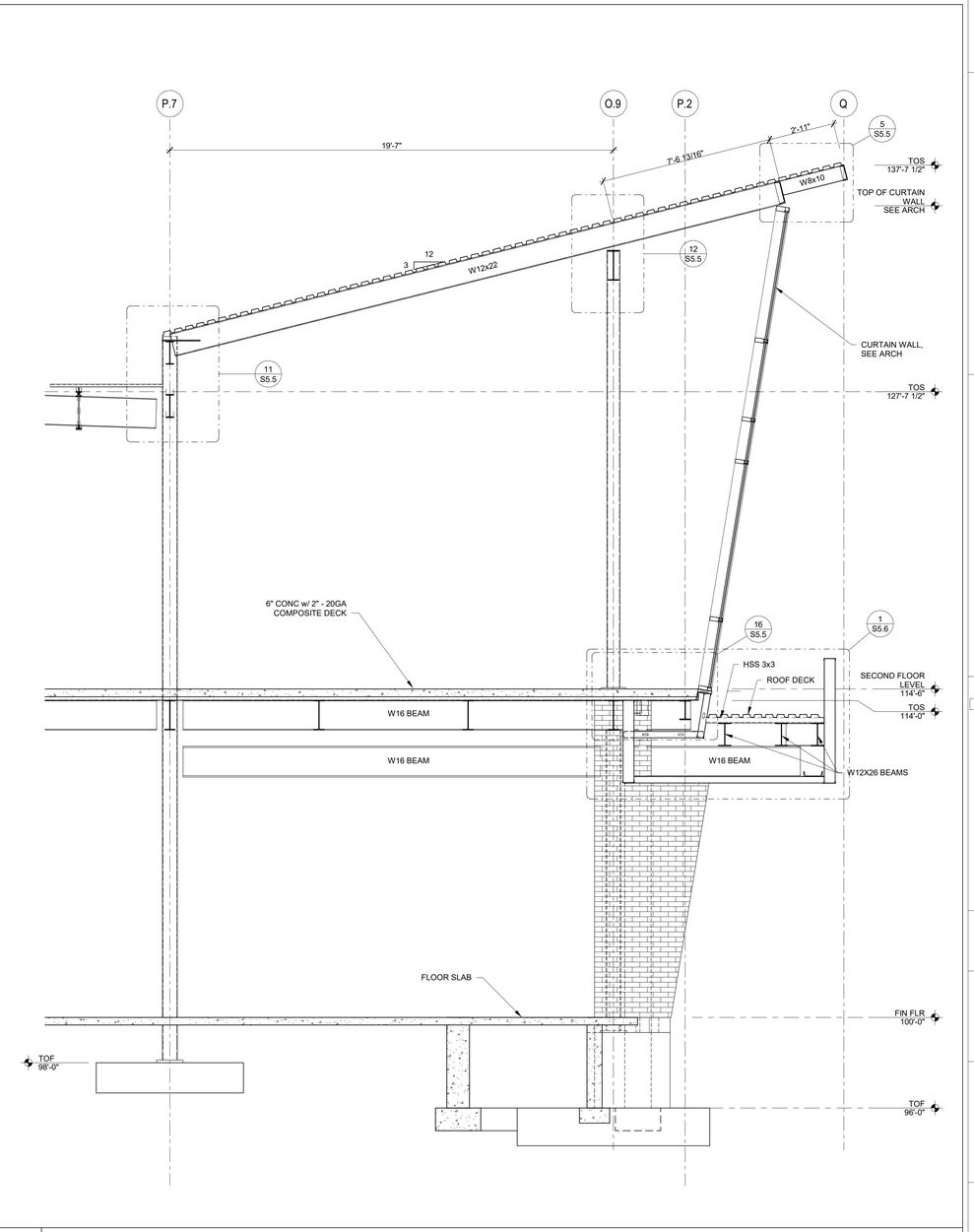


2 FIREWALL SECTION

S3.2 SCALE: 1/2" = 1'-0"



1 ENTRANCE SECTION

S3.2 SCALE: 3/8" = 1'-0"

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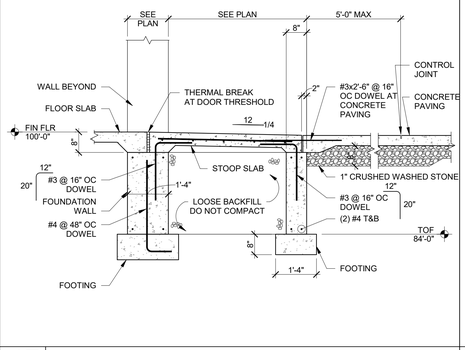
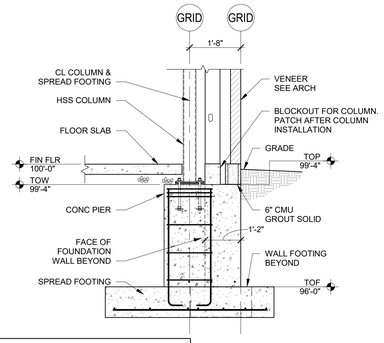


17 TYPICAL CONCRETE STOOP

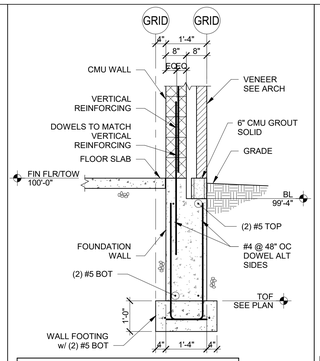
S5.1 SCALE: 1/2" = 1'-0"



NOTE:
1. SEE ARCH FOR FOUNDATION WALL INSULATION

16 COLUMN AT EXT CONCRETE WALL

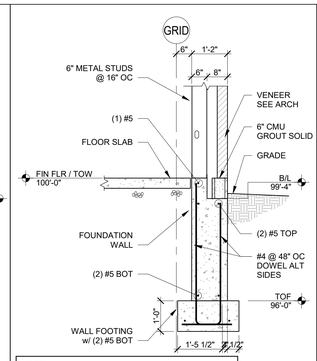
S5.1 SCALE: 1/2" = 1'-0"



NOTE:
1. SEE ARCH FOR FOUNDATION WALL INSULATION

15 TYPICAL EXTERIOR WALL

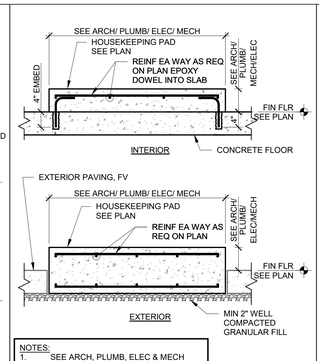
S5.1 SCALE: 1/2" = 1'-0"



NOTE:
1. SEE ARCH FOR FOUNDATION WALL INSULATION

14 TYPICAL EXTERIOR WALL

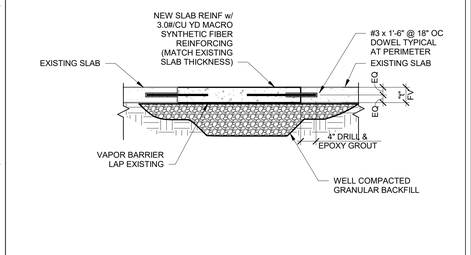
S5.1 SCALE: 1/2" = 1'-0"



NOTES:
1. SEE ARCH, PLUMB, ELEC & MECH DRAWINGS FOR ADDITIONAL HOUSEKEEPING PAD INFORMATION.

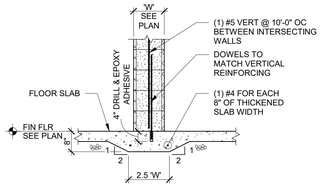
13 TYP HOUSEKEEPING PAD DETAIL

S5.1 SCALE: 3/4" = 1'-0"



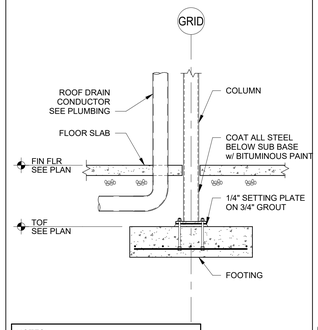
12 TYPICAL SLAB PATCH AT EXISTING

S5.1 SCALE: 3/4" = 1'-0"



11 TYPICAL THICKENED SLAB AT NON-STRUCT MAS WALL

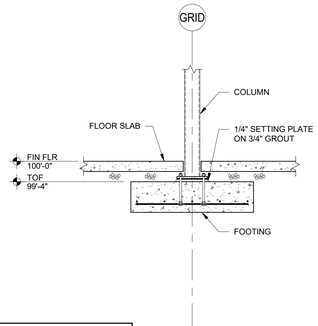
S5.1 SCALE: 1/2" = 1'-0"



NOTES:
1. SETTING PLATE TO BE FULLY LEVELED & GROUT TO BE FULLY CURED BEFORE SETTING THE COLUMN

10 INT COLUMN AT DROPPED FTG

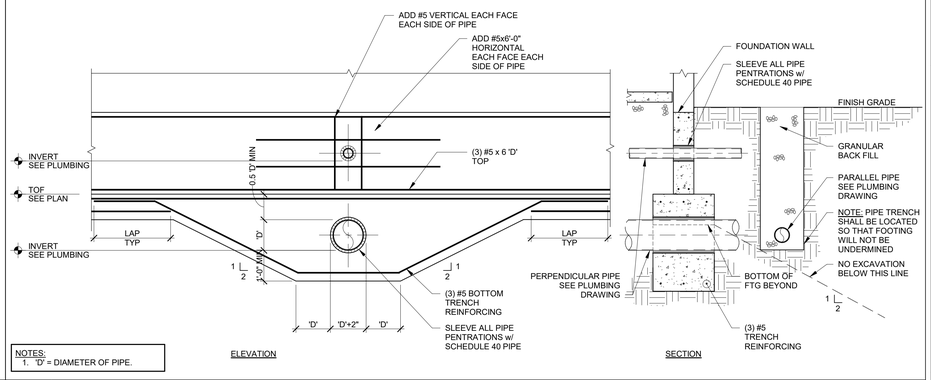
S5.1 SCALE: 1/2" = 1'-0"



NOTES:
1. SETTING PLATE TO BE FULLY LEVELED & GROUT TO BE FULLY CURED BEFORE SETTING THE COLUMN

9 TYPICAL STEEL COLUMN AT INTERIOR FOOTING

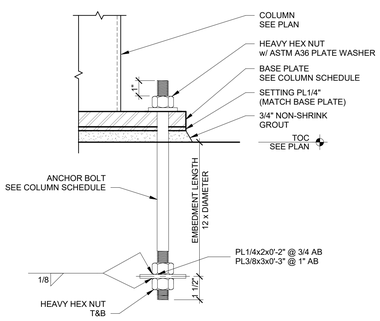
S5.1 SCALE: 1/2" = 1'-0"



NOTES:
1. 'D' = DIAMETER OF PIPE.

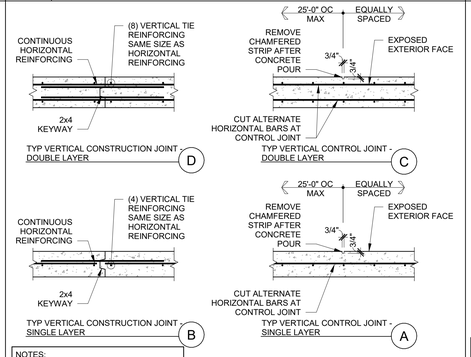
8 TYPICAL PENETRATION THROUGH CONCRETE WALL AND FOOTING

S5.1 SCALE: 1/2" = 1'-0"



7 TYP ANCHOR BOLT DETAIL

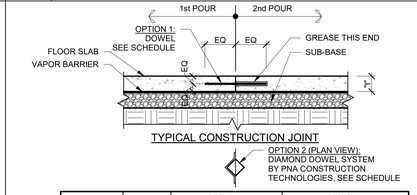
S5.1 SCALE: 3" = 1'-0"



NOTES:
1. CONTROL JOINTS ONLY REQUIRED AT CONCRETE EXPOSED TO VIEW

6 TYP CONCRETE WALL JOINT DETAILS

S5.1 SCALE: 1/2" = 1'-0"

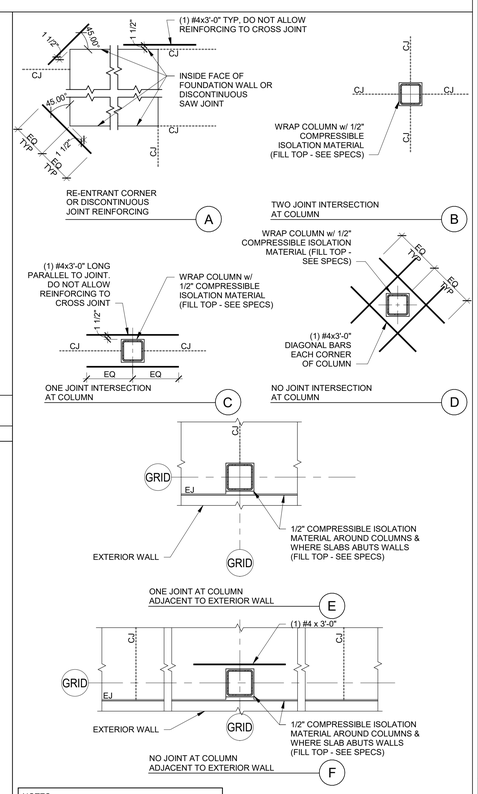


SLAB THICKNESS "t"	CJ SPACING	OPTION 1		OPTION 2	
		DOWEL SIZE	SPACING	DOWEL SIZE	SPACING
4"	12'-0" MAX	3/4"x1'-4" SMOOTH BAR	14" OC	PL1/4x4 1/2x4 1/2 DIAMOND DOWEL	18" OC
5"	15'-0" MAX	3/4"x1'-4" SMOOTH BAR	14" OC	PL1/4x4 1/2x4 1/2 DIAMOND DOWEL	18" OC
6"	18'-0" MAX	3/4"x1'-4" SMOOTH BAR	14" OC	PL1/4x4 1/2x4 1/2 DIAMOND DOWEL	18" OC
7" - 8"	18'-0" MAX	1"x1'-6" SMOOTH BAR	14" OC	PL3/8x4 1/2x4 1/2 DIAMOND DOWEL	18" OC
9" - 10"	18'-0" MAX	1 1/4"x1'-6" SMOOTH BAR	12" OC	PL3/4x4 1/2x4 1/2 DIAMOND DOWEL	20" OC

NOTES:
1. "t" = SLAB THICKNESS
2. FILL JOINTS - SEE SPECS

5 TYPICAL SLAB ON GRADE CONSTRUCTION JOINT

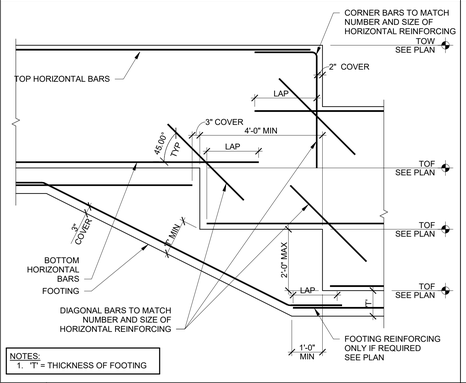
S5.1 SCALE: 3/4" = 1'-0"



NOTES:
1. CJ = CONTROL OR CONSTRUCTION JOINT

1 TYPICAL SLAB-ON-GRADE REINFORCING DETAILS

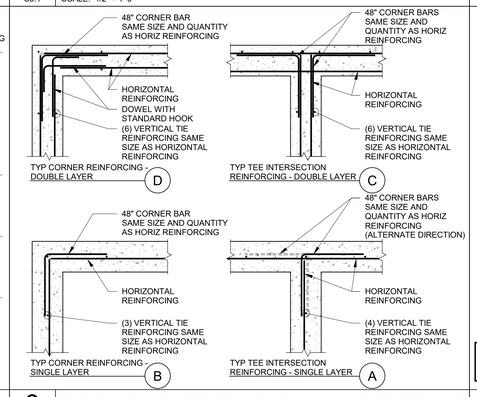
S5.1 SCALE: 1/2" = 1'-0"



NOTES:
1. "T" = THICKNESS OF FOOTING

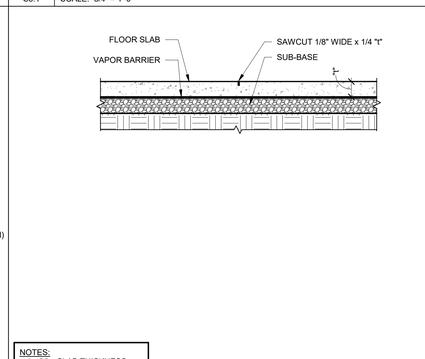
4 TYP CONCRETE WALL AND FOOTING STEP ELEVATION

S5.1 SCALE: 1/2" = 1'-0"



3 TYPICAL CONCRETE FOUNDATION WALL REINFORCING

S5.1 SCALE: 1/2" = 1'-0"



NOTES:
1. "t" = SLAB THICKNESS
2. FILL JOINTS - SEE SPECS

2 TYPICAL SLAB ON GRADE CONTROL JOINT

S5.1 SCALE: 3/4" = 1'-0"

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Sheet Number:
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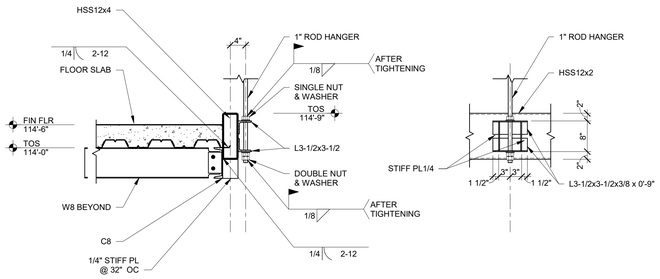
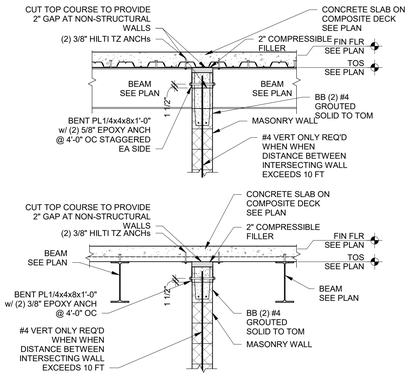


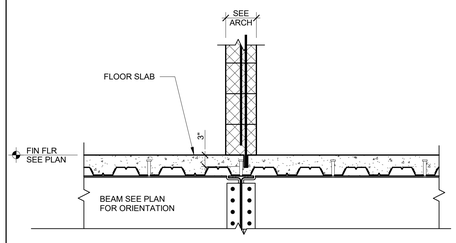
15 STAIR HANGER DETAIL

S5.2 SCALE: 3/4" = 1'-0"



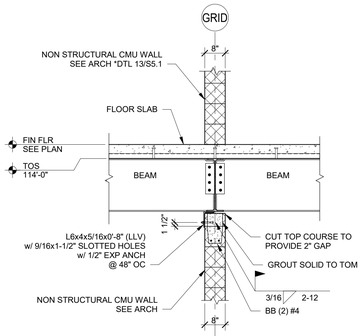
14 NON-STRUCTURAL MASONRY WALL BRACING

S5.2 SCALE: 1/2" = 1'-0"



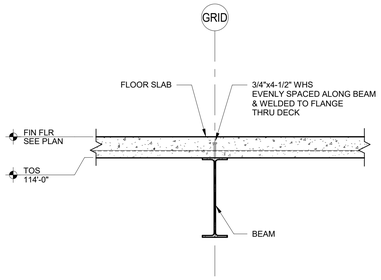
13 NON STRUCTURAL WALL ON COMPOSITE FLOOR

S5.2 SCALE: 3/4" = 1'-0"



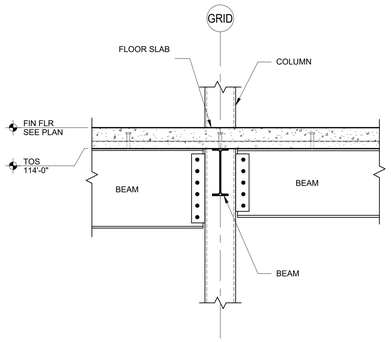
12 FLOOR SECTION

S5.2 SCALE: 1/2" = 1'-0"



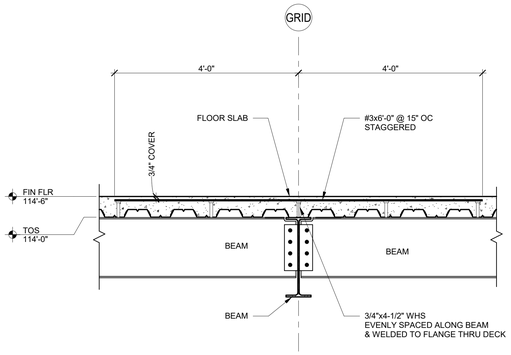
11 FLOOR SECTION

S5.2 SCALE: 3/4" = 1'-0"



10 FLOOR SECTION

S5.2 SCALE: 3/4" = 1'-0"



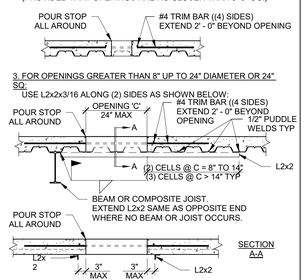
9 FLOOR SECTION

S5.2 SCALE: 3/4" = 1'-0"

COMPOSITE FLOOR SLAB OPENING REINFORCING:

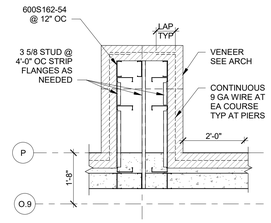
1. FOR OPENINGS 4" DIAMETER OR LESS, OR 4" SQUARE OR LESS: NO REINFORCING IS REQUIRED (PROVIDED THAT OPENINGS ARE NO CLOSER THAN 12" OC.)

2. FOR OPENINGS GREATER THAN 4" UP TO 8" DIAMETER OR 8" SQ: (PROVIDED THAT OPENINGS ARE NO CLOSER THAN 3'-0" OC.)



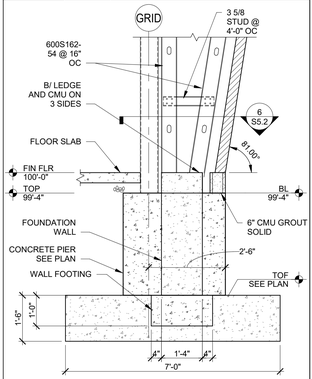
8 COMP FLOOR SLAB OPENING

S5.2 SCALE: 1/2" = 1'-0"



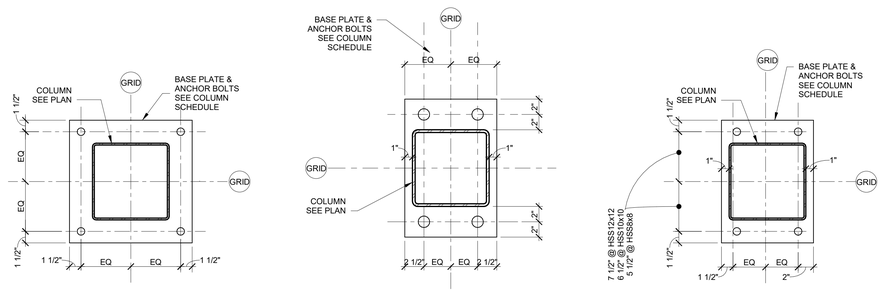
6 PIER DETAIL

S5.2 SCALE: 1/2" = 1'-0"



5 WALL SECTION

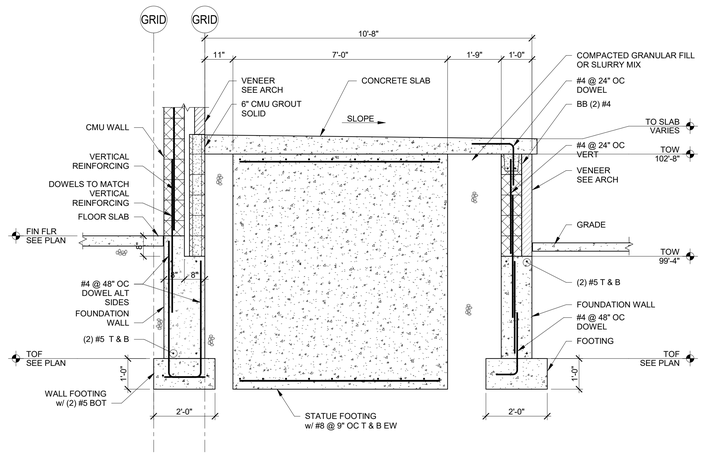
S5.2 SCALE: 1/2" = 1'-0"



NOTES:
1. SEE PLAN FOR ORIENTATION

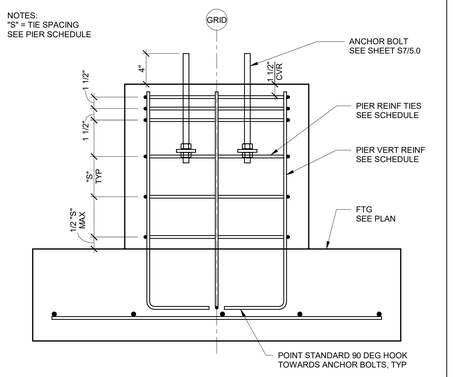
4 TYPICAL BASE PLATE DETAILS

S5.2 SCALE: 1 1/2" = 1'-0"



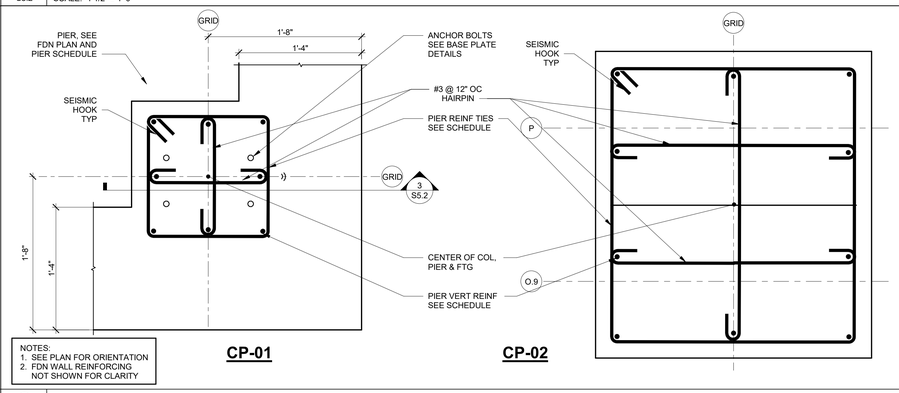
1 FOUNDATION SECTION

S5.2 SCALE: 1/2" = 1'-0"



3 TYPICAL PIER ELEVATION

S5.2 SCALE: 1 1/2" = 1'-0"



NOTES:
1. SEE PLAN FOR ORIENTATION
2. FDN WALL REINFORCING NOT SHOWN FOR CLARITY

2 PIER DETAIL

S5.2 SCALE: 1 1/2" = 1'-0"

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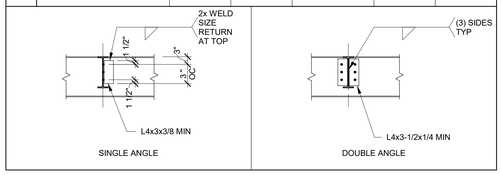
BEAM TO BEAM CONNECTION SCHEDULE

	BEAM SIZE	BOLT DIA	NO OF BOLTS	CONN THICKNESS (MIN)	CONN LENGTH (MIN)	CONN WELD (MIN)
SINGLE ANGLE	W8, W10	3/4"	(2)	L4x3x3/8	6"	1/4
	W12	3/4"	(3)	L4x3x3/8	9"	1/4
	W14, W16	3/4"	(4)	L4x3x3/8	12"	1/4
	W18	3/4"	(5)	L4x3x3/8	15"	1/4
	W21	3/4"	(6)	L4x3x3/8	18"	1/4
	W24, W27	3/4"	(7)	L4x3x3/8	21"	1/4
DOUBLE ANGLE	W8, W10	3/4"	(2)	(2) L4x3-1/2x1/4	6"	3/16
	W12, W14	3/4"	(3)	(2) L4x3-1/2x1/4	9"	3/16
	W16	3/4"	(4)	(2) L4x3-1/2x1/4	12"	3/16
	W18, W21	3/4"	(5)	(2) L4x3-1/2x1/4	15"	3/16
	W24, W27	3/4"	(6)	(2) L4x3-1/2x1/4	18"	3/16



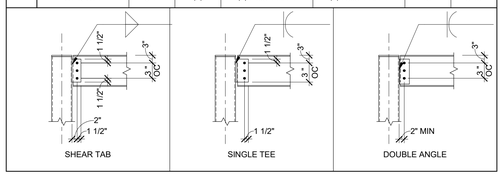
BEAM TO BEAM CONNECTION SCHEDULE NOTES:

1. USE SINGLE ANGLES AT ALL TYPICAL BEAM-TO-BEAM CONNECTIONS, UNLESS DETAILED OTHERWISE.
2. ONLY USE DOUBLE ANGLES AT BEAM-TO-BEAM OR BEAM-TO-COLUMN WEB CONNECTIONS INDICATED ON THE FRAMING PLANS WITH DOUBLE ANGLE SYMBOL ( ][ ), OR SPECIFICALLY DETAILED.

13 BEAM TO BEAM CONNECTION SCHEDULE
S5.3 SCALE: 1/2" = 1'-0"

BEAM TO COLUMN SHEAR CONNECTION SCHEDULE

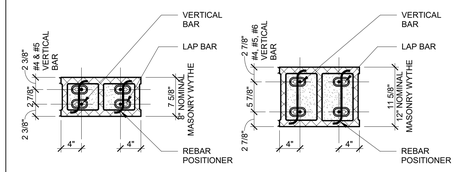
	BEAM SIZE	BOLT DIA	NO OF BOLTS	6" OR 7" COL WIDTH: MIN CONN THICKNESS	8" COLUMN WIDTH: MIN CONN THICKNESS	CONN LENGTH (MIN)	CONN WELD (MIN)
SHEAR TAB	W8, W10	3/4"	(2)	5/16"	5/16"	6"	1/4
	W12	3/4"	(3)	5/16"	5/16"	9"	1/4
	W14, W16	3/4"	(4)	5/16"	5/16"	12"	1/4
	W18	3/4"	(5)	3/8"	3/8"	15"	1/4
	W21	3/4"	(6)	3/8"	3/8"	18"	1/4
	W24, W27	3/4"	(7)	3/8"	3/8"	21"	1/4
SINGLE TEE	W8, W10	3/4"	(2)	WT5x16.5	WT5x24.5	6"	1/4
	W12	3/4"	(3)	WT5x16.5	WT5x24.5	9"	1/4
	W14, W16	3/4"	(4)	WT5x16.5	WT5x24.5	12"	1/4
	W18	3/4"	(5)	WT5x16.5	WT5x24.5	15"	1/4
	W21	3/4"	(6)	WT5x22.5	WT5x27	18"	1/4
	W24, W27	3/4"	(7)	WT5x22.5	WT5x27	21"	1/4
DOUBLE ANGLE	W8, W10	3/4"	(2)	(2) L4x3-1/2x1/4	(2) L5x3-1/2x1/4	6"	3/16
	W12, W14	3/4"	(3)	(2) L4x3-1/2x1/4	(2) L5x3-1/2x1/4	9"	3/16
	W16	3/4"	(4)	(2) L4x3-1/2x1/4	(2) L5x3-1/2x1/4	12"	3/16
	W18, W21	3/4"	(5)	(2) L4x3-1/2x1/4	(2) L5x3-1/2x1/4	15"	3/16
	W24, W27	3/4"	(6)	(2) L4x3-1/2x1/4	(2) L5x3-1/2x1/4	18"	3/16



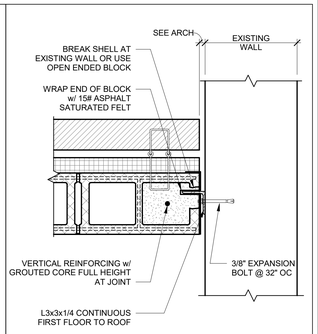
BEAM TO COLUMN CONNECTION SCHEDULE NOTES:

1. BEAMS TO BEAR ON TOP OF COLUMNS SHOWN AS (⊟—) ON PLAN, TYP UNLESS DETAILED OTHERWISE
2. BEAM-TO-COLUMN CONNECTIONS SHOWN AS (□—) ON PLAN, TO BE SHEAR TAB CONNECTIONS AS NOTED ABOVE, UNLESS DETAILED OTHERWISE.
3. ONLY USE SINGLE TEE ANGLES AT BEAM-TO-COLUMN CONNECTIONS INDICATED ON THE FRAMING PLANS WITH SINGLE TEE SYMBOL (⊥), OR SPECIFICALLY DETAILED.
4. ONLY USE DOUBLE ANGLES AT BEAM-TO-COLUMN CONNECTIONS INDICATED ON THE FRAMING PLANS WITH DOUBLE ANGLE SYMBOL ( ][ ), OR SPECIFICALLY DETAILED.

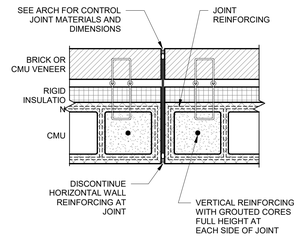
12 BEAM TO COLUMN CONNECTION SCHEDULE
S5.3 SCALE: 1/2" = 1'-0"



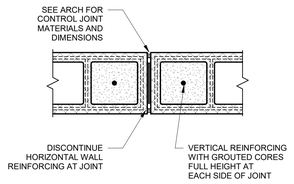
11 PIER PLAN AT LINTEL
S5.3 SCALE: 1" = 1'-0"



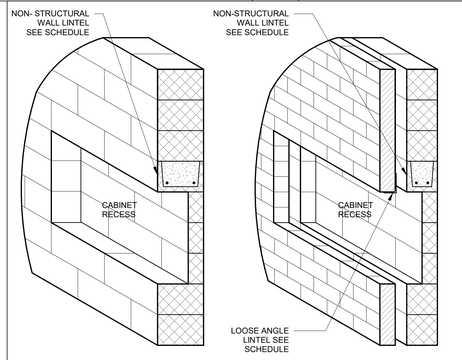
10 MAS CONTROL JOINT AT EXIST
S5.3 SCALE: 1 1/2" = 1'-0"



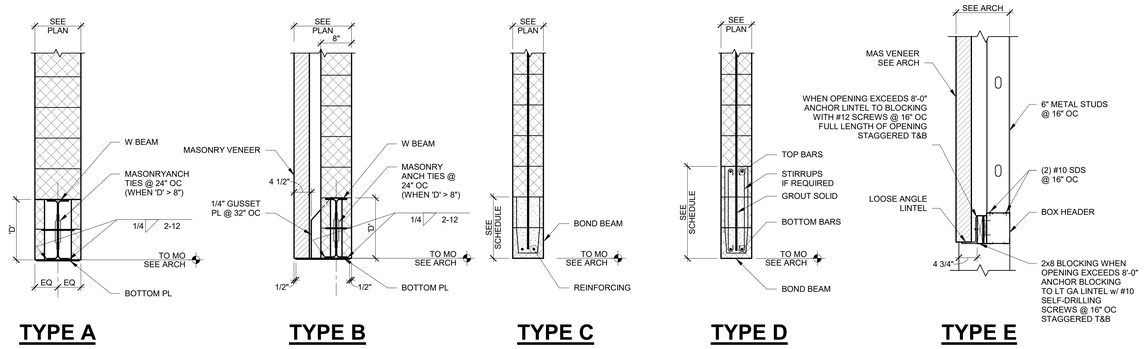
9 EXT MASONRY CONTROL JOINT
S5.3 SCALE: 1 1/2" = 1'-0"



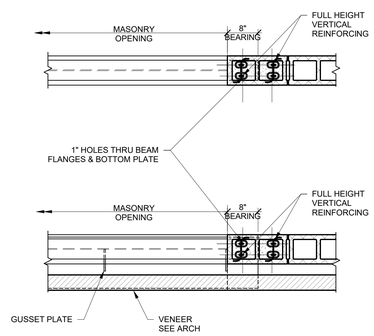
8 INT MASONRY CONTROL JOINT
S5.3 SCALE: 1 1/2" = 1'-0"



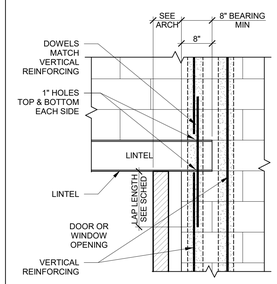
7 RECESSED CABINET LINTELS
S5.3 SCALE: 3/4" = 1'-0"



6 TYPICAL LINTELS
S5.3 SCALE: 3/4" = 1'-0"

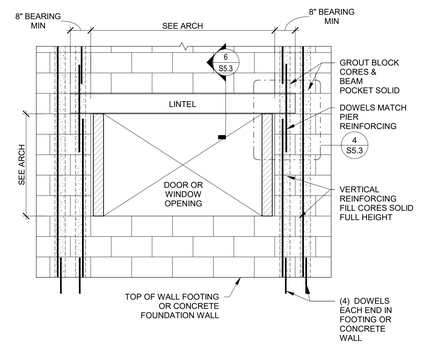


5 LINTEL AT FULL HEIGHT PIER - PLAN
S5.3 SCALE: 3/4" = 1'-0"

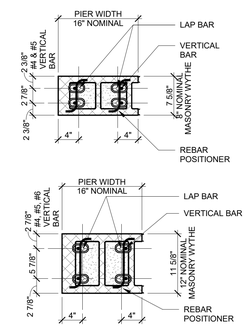


NOTES:
1. WHERE BEAMS FRAME INTO STEEL COLUMNS FACED BY MASONRY, CAULK BETWEEN VENEER AND BEAM AS SHOWN. BACKPATCH SOLID AT BEAM POCKET.

4 TYP LINTEL BRG AT FULL HT PIER
S5.3 SCALE: 3/4" = 1'-0"



3 WALL REINFORCING AT MASONRY OPENINGS
S5.3 SCALE: 1/2" = 1'-0"



2 TYPICAL MASONRY PIER
S5.3 SCALE: 1" = 1'-0"

NON-BEARING WALL LINTEL SCHEDULE

MARK	SPAN	WALL WIDTH	NON-RATED WALL: TYPE	SIZE	PLATE/REINF
NL-1	UP TO 2'-0"	6"	C	6"x8"	----------
		8"		8"x8"	----------
		12"		12"x8"	----------
NL-2	2'-1" TO 4'-0"	6"	C	6"x8"	(2) #4
		8"		8"x8"	(2) #4
		12"		12"x8"	(2) #4
NL-3	4'-1" TO 8'-0"	6"	D	6"x16"	(2) #4 T&B
		8"		8"x16"	(2) #4 T&B
		12"		12"x16"	(2) #4 T&B
NL-4	8'-1" TO 10'-0"	6"	A	W8x10	PL1/4x5-1/2
		8"		W8x10	PL1/4x7
		12"		W8x13	PL1/4x11
NL-5	10'-1" TO 12'-0"	6"	A	W8x15	PL1/4x5-1/2
		8"		W8x15	PL1/4x7
		12"		W8x18	PL1/4x11

• PROVIDE LINTELS AS NOTED ABOVE AT ALL NON-BEARING MASONRY WALL OPENINGS, INCLUDES DUCT OPENINGS.

1 NON-BEARING LINTEL SCHEDULE
S5.3 SCALE: 12" = 1'-0"

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AMBROSE ENGINEERING

Project Title:
ADDITION AND RENOVATION TO
LITTLE CHUTE HIGH/MIDDLE/INTERMEDIATE SCHOOL
Little Chute Area School District
1402 Freedom Rd Little Chute, WI 54140

REVISIONS:

#	DATE	DESCRIPTION

Project Number:
3294

Issued For:
BID SET-1

Sheet Title:
SECTIONS AND DETAILS

Sheet Number:
S5.3

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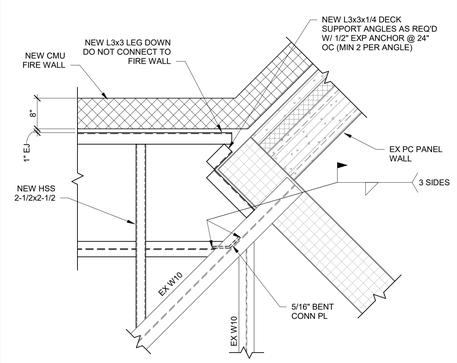
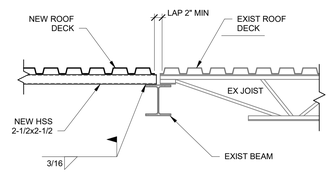
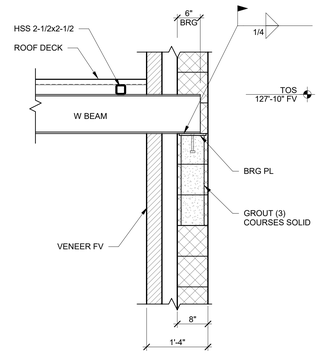


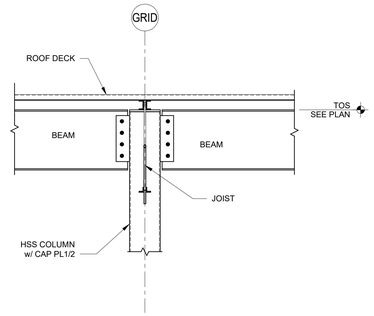
15 ROOF FRAMING DETAIL
S5.4 SCALE: 3/4" = 1'-0"



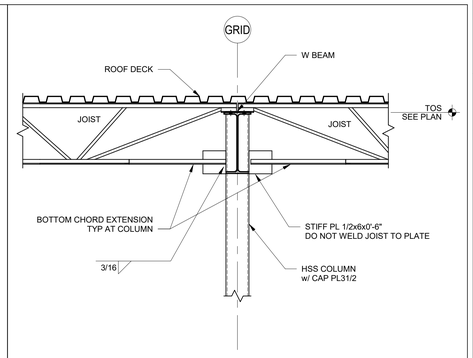
14 ROOF SECTION
S5.4 SCALE: 3/4" = 1'-0"



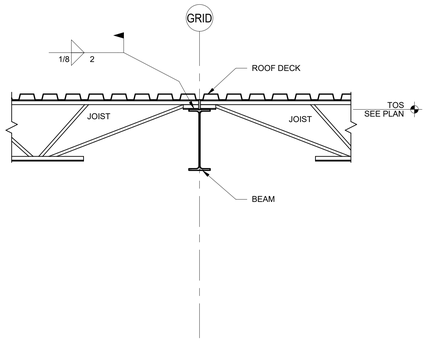
13 ROOF SECTION
S5.4 SCALE: 3/4" = 1'-0"



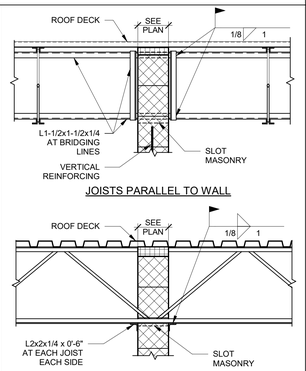
12 TYP BEAM AT COLUMN SECTION
S5.4 SCALE: 3/4" = 1'-0"



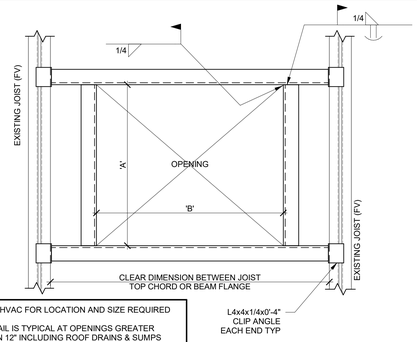
11 BEAM, JOISTS AT COLUMN
S5.4 SCALE: 3/4" = 1'-0"



10 JOISTS AT BEAM
S5.4 SCALE: 3/4" = 1'-0"

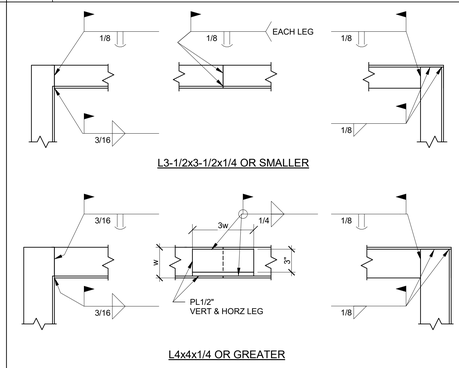


8 NON-BRG WALL BRACING DETAILS
S5.4 SCALE: 3/4" = 1'-0"

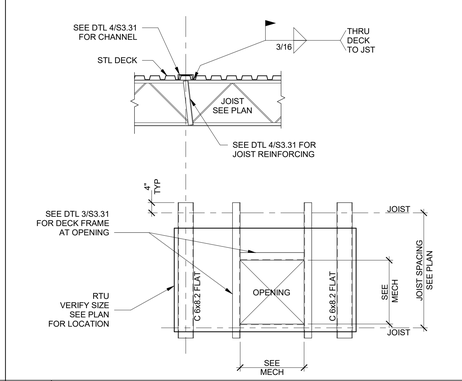


- SEE HVAC FOR LOCATION AND SIZE REQUIRED
- DETAIL IS TYPICAL AT OPENINGS GREATER THAN 12" INCLUDING ROOF DRAINS & SUMPS
- DIMENSIONS 'A' AND 'B' BY MECHANICAL CONTRACTOR AND ROOF SUMP SUPPLIER

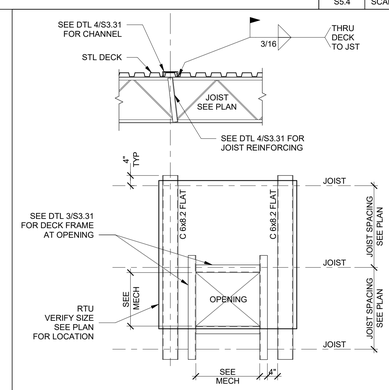
7 TYPICAL FRAME AT NEW OPENING IN EXISTING ROOF
S5.4 SCALE: 3/4" = 1'-0"



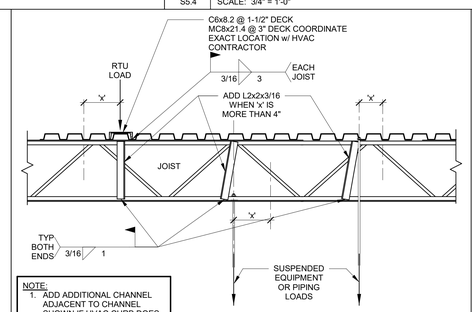
6 TYPICAL EDGE ANGLE SPLICE DETAIL
S5.4 SCALE: 1 1/2" = 1'-0"



5 TYP RTU SUPPORT DETAIL
S5.4 SCALE: 1/2" = 1'-0"



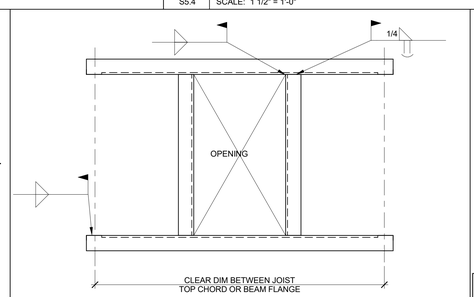
4 TYP RTU SUPPORT DETAIL
S5.4 SCALE: 1/2" = 1'-0"



NOTE:
1. ADD ADDITIONAL CHANNEL ADJACENT TO CHANNEL SHOWN IF HVAC CURB DOES NOT ALIGN w/ FLUTE SPACING

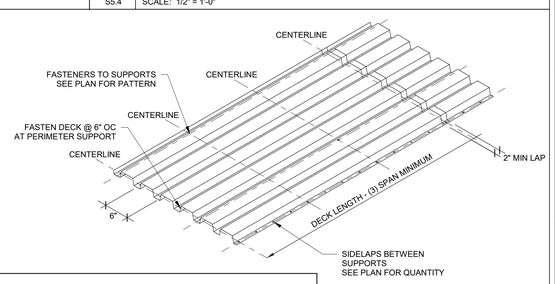
WELD L2x2x3/16 TO JOIST CHORDS FROM LOAD POINT TO PANEL POINT WHERE CONCENTRATED LOADS ARE NOT AT PANEL POINT LOCATIONS

3 TYPICAL JOIST REINFORCING AT ADDED LOADS
S5.4 SCALE: 3/4" = 1'-0"



- SEE HVAC FOR LOCATION AND SIZE REQUIRED
- DETAIL IS TYPICAL AT OPENINGS GREATER THAN 12", INCLUDING ROOF DRAINS AND SUMPS
- DIMENSIONS 'A' AND 'B' BY MECHANICAL CONTRACTOR AND ROOF SUMP SUPPLIER

2 TYPICAL FRAME AT ROOF OPENING
S5.4 SCALE: 3/4" = 1'-0"



NOTES:
1. MECHANICALLY FASTEN DECK TO SUPPORTS WITH FASTENERS INDICATED BELOW. WELDING WILL NOT BE ALLOWED.
   - JOISTS AND BEAMS: 3/16" <= t <= 3/8" USE HILTI X-HSN24
   - JOISTS: 1/8" <= t <= 3/16" USE HILTI X-HSN24
   - BEAMS & HEAVY JOISTS: t >= 1/4" USE HILTI X-ENP-19
   - t = THICKNESS OF BASE MATERIAL
2. MINIMUM 1/8" MATERIAL THICKNESS REQUIRED AT JOIST TOP CHORDS.

1 TYPE 'B' OR 'BA' DECK FASTENER PATTERN
S5.4 SCALE: 1/2" = 1'-0"

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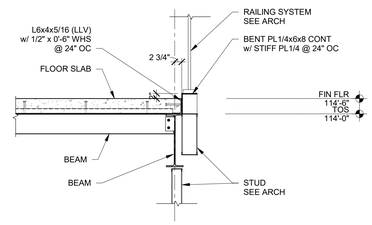
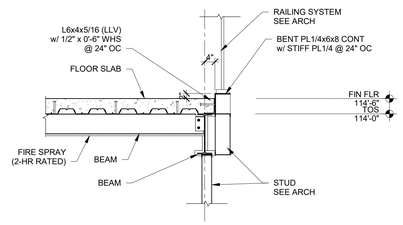
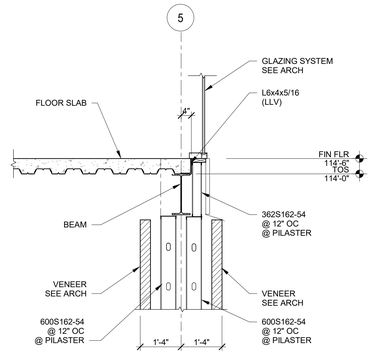


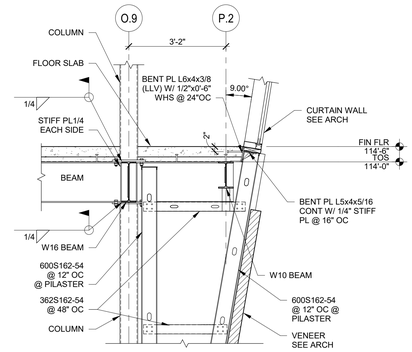
20 FLOOR SECTION
S5.5 SCALE: 1/2" = 1'-0"



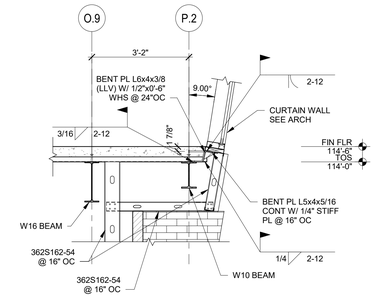
19 FLOOR SECTION
S5.5 SCALE: 1/2" = 1'-0"



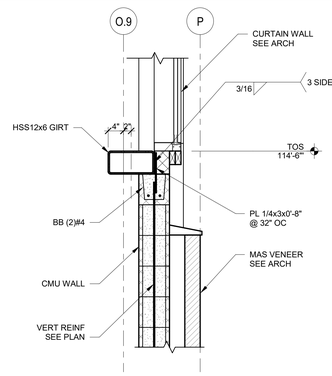
18 WALL SECTION @ CURTAIN WALL
S5.5 SCALE: 1/2" = 1'-0"



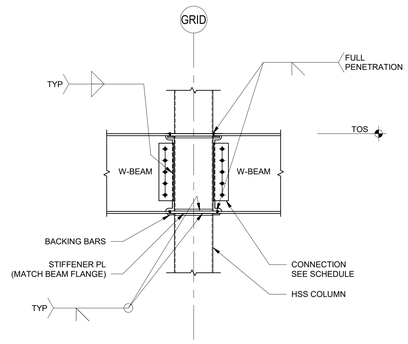
17 WALL SECTION @ CURTAIN WALL
S5.5 SCALE: 1/2" = 1'-0"



16 WALL SECTION @ CURTAIN WALL
S5.5 SCALE: 1/2" = 1'-0"



15 CURTAIN WALL @ GIRT
S5.5 SCALE: 3/4" = 1'-0"



14 MOMENT CONN - FLOOR BM TO HSS COL
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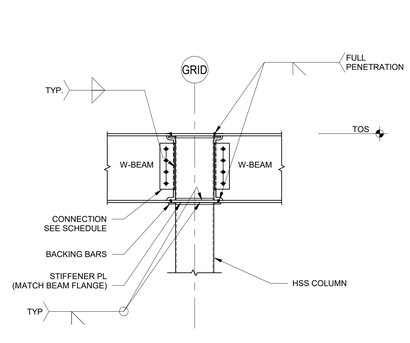

13 MOMENT CONN - ROOF BM TO HSS COL
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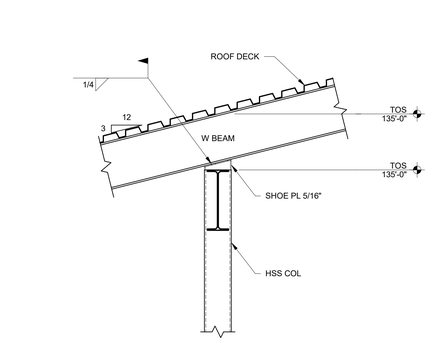

12 ROOF SECTION
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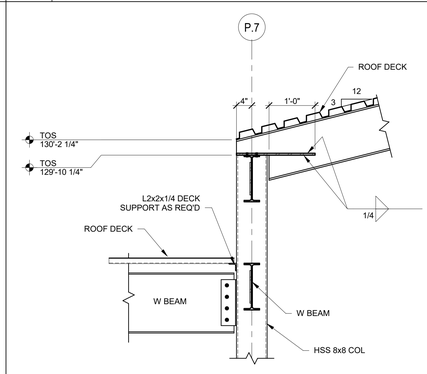

11 ROOF SECTION @ COLUMN
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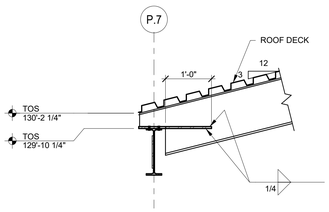

10 ROOF SECTION @ BEAM
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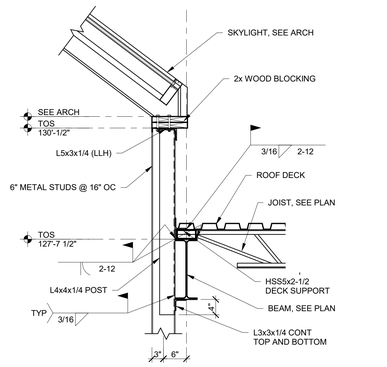

9 ROOF SECTION AT SKYLIGHT
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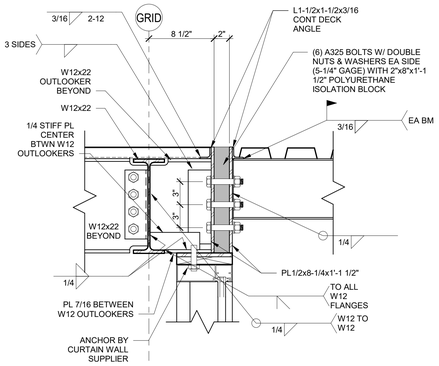
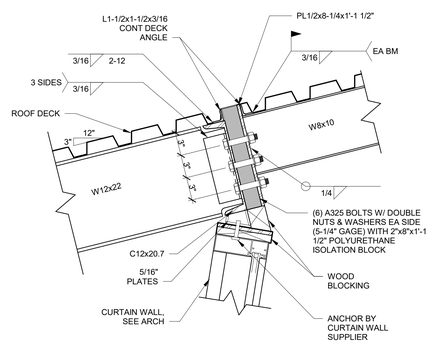


8 ROOF OVERHANG SECTION
S5.5 SCALE: 1 1/2" = 1'-0"



7 ROOF OVERHANG SECTION
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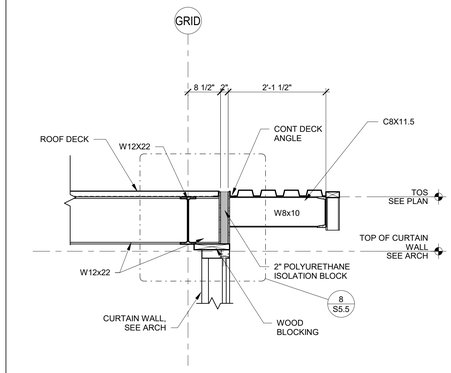

6 ROOF OVERHANG SECTION
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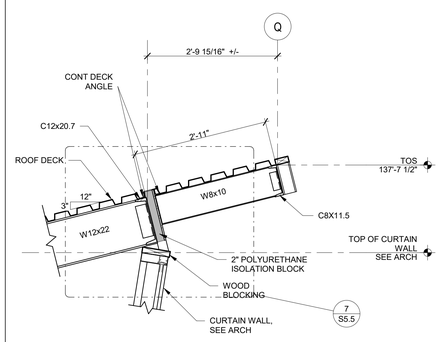

5 ROOF OVERHANG SECTION
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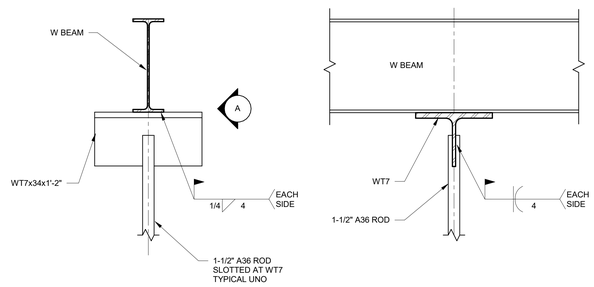

4 SUSPENDED FLOOR - HANGER TOP CONN
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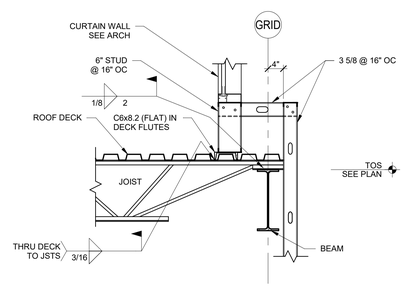

3 JOIST @ CURTAIN WALL
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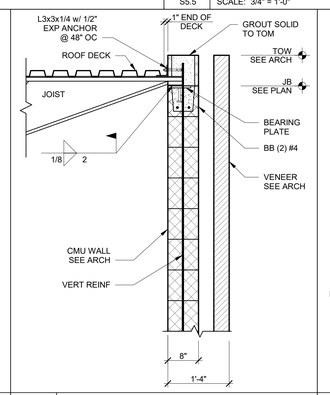

2 JOIST BEARING AT EXT WALL
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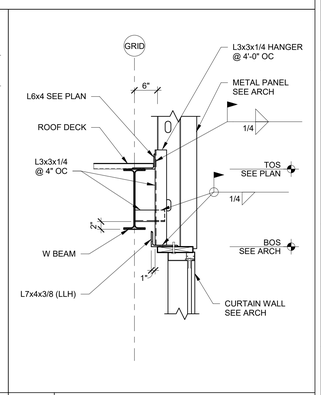

1 ROOF SECTION @ CURTAIN WALL
S5.5 SCALE: 3/4" = 1'-0"

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AMBROSE ENGINEERING

Project Title:
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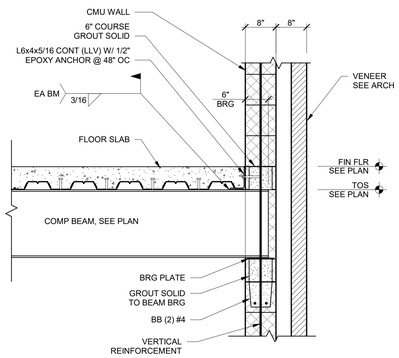

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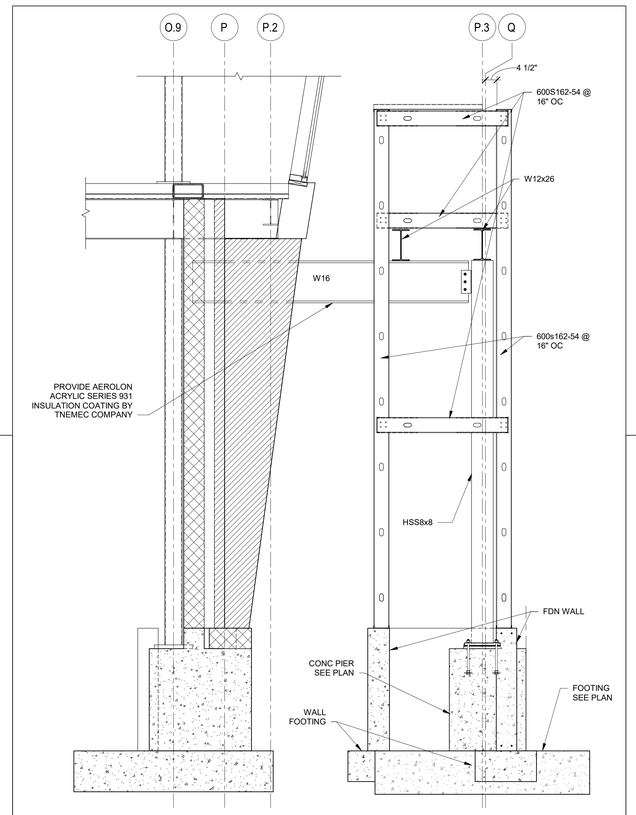

3 WALL SECTION @ ENTRANCE SIGN
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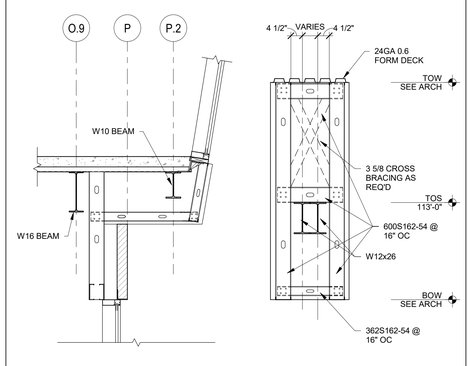

2 WALL SECTION @ ENTRANCE SIGN
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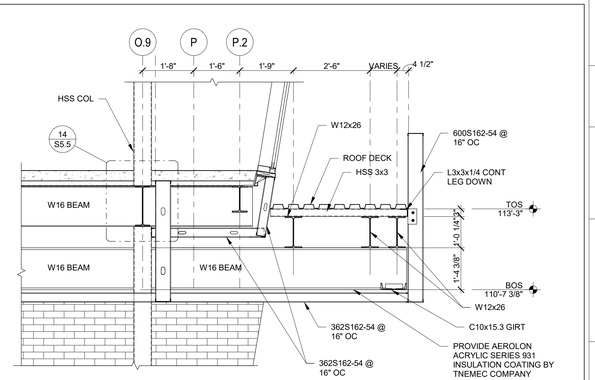

1 WALL SECTION @ ENTRANCE SIGN
S5.6 SCALE: 1/2" = 1'-0"

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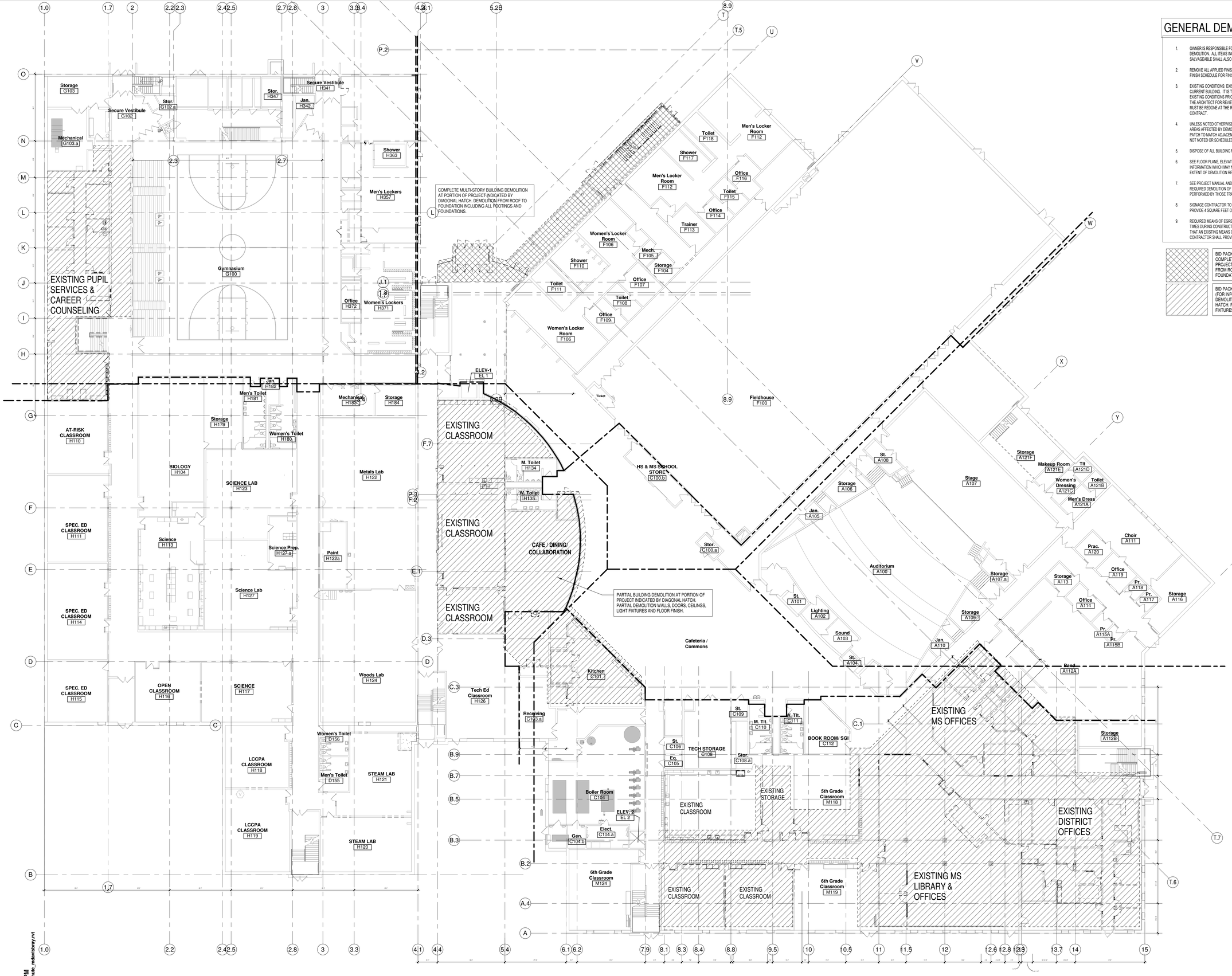

GENERAL DEMOLITION NOTES

1. OWNER IS RESPONSIBLE FOR REMOVAL OF ALL LOOSE FURNISHINGS PRIOR TO GENERAL DEMOLITION. ALL ITEMS INCLUDING DOORS, DOOR HARDWARE, CEILING TILES CONSIDERED SALVAGEABLE SHALL ALSO BE REMOVED BY THE OWNER PRIOR TO GENERAL DEMOLITION.
2. REMOVE ALL APPLIED FINISHES AND PREPARE SUBSTRATE FOR NEW FINISHES. SEE ROOM FINISH SCHEDULE FOR FINISHES.
3. EXISTING CONDITIONS: EXISTING CONDITIONS SHOWN ON DRAWINGS REPRESENT CURRENT BUILDING. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK. REPORT ANY DISCREPANCIES TO THE ARCHITECT FOR REVIEW. WORK DONE WITHOUT RESOLUTION OF DISCREPANCIES MUST BE REDONE AT THE REQUEST OF THE ARCHITECT AT NO ADDITIONAL COST TO THE CONTRACT.
4. UNLESS NOTED OTHERWISE, PATCH ALL FLOORS, BASE, WALLS AND CEILINGS AT EXPOSED AREAS AFFECTED BY DEMOLITION REGARDLESS OF TRADE DOING THE DEMOLITION WORK. PATCH TO MATCH ADJACENT EXISTING CONSTRUCTION WHERE SPECIFIC INFORMATION IS NOT NOTED OR SCHEDULED. REFER TO ROOM FINISH SCHEDULE.
5. DISPOSE OF ALL BUILDING MATERIAL IN LAWFUL MANNER.
6. SEE FLOOR PLANS, ELEVATIONS, SECTIONS AND DETAILS FOR ADDITIONAL DEMOLITION INFORMATION WHICH MAY NOT BE INDICATED ON DEMOLITION PLANS AND TO COORDINATE EXTENT OF DEMOLITION REQUIRED.
7. SEE PROJECT MANUAL AND PLUMBING, HVAC AND ELECTRICAL DRAWINGS FOR ANY REQUIRED DEMOLITION OF PLUMBING, HVAC AND ELECTRICAL EQUIPMENT/MATERIALS PERFORMED BY THOSE TRADES.
8. SIGNAGE CONTRACTOR TO REMOVE ALL EXISTING SIGNAGE. PAINTING CONTRACTOR TO PROVIDE 4 SQUARE FEET OF REPAIR, PREP & PAINT FOR A TOTAL OF 285 SIGNS.
9. REQUIRED MEANS OF EGRESS FROM THE EXISTING BUILDING SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION WHEN THE BUILDING REMAINS OCCUPIED. IN THE EVENT THAT AN EXISTING MEANS OF EGRESS CANNOT BE MAINTAINED, THE GENERAL CONTRACTOR SHALL PROVIDE AN APPROVED TEMPORARY MEANS OF EGRESS.

BID PACKAGE- 1
COMPLETE MULTI-STORY BUILDING DEMOLITION AT PORTION OF PROJECT INDICATED BY DIAGONAL CROSS HATCH. DEMOLITION FROM ROOF TO FOUNDATION INCLUDING ALL FOOTINGS AND FOUNDATIONS.

BID PACKAGE- 2
(FOR INFORMATIONAL PURPOSES ONLY) PARTIAL BUILDING DEMOLITION AT PORTION OF PROJECT INDICATED BY DIAGONAL HATCH. PARTIAL DEMOLITION WALLS, DOORS, CEILINGS, LIGHT FIXTURES AND FLOOR FINISH.

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Project Title:
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Little Chute Area School District
1402 Freedom Rd Little Chute, WI 54140

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Sheet Title:
FIRST FLOOR DEMOLITION PLAN - OVERALL

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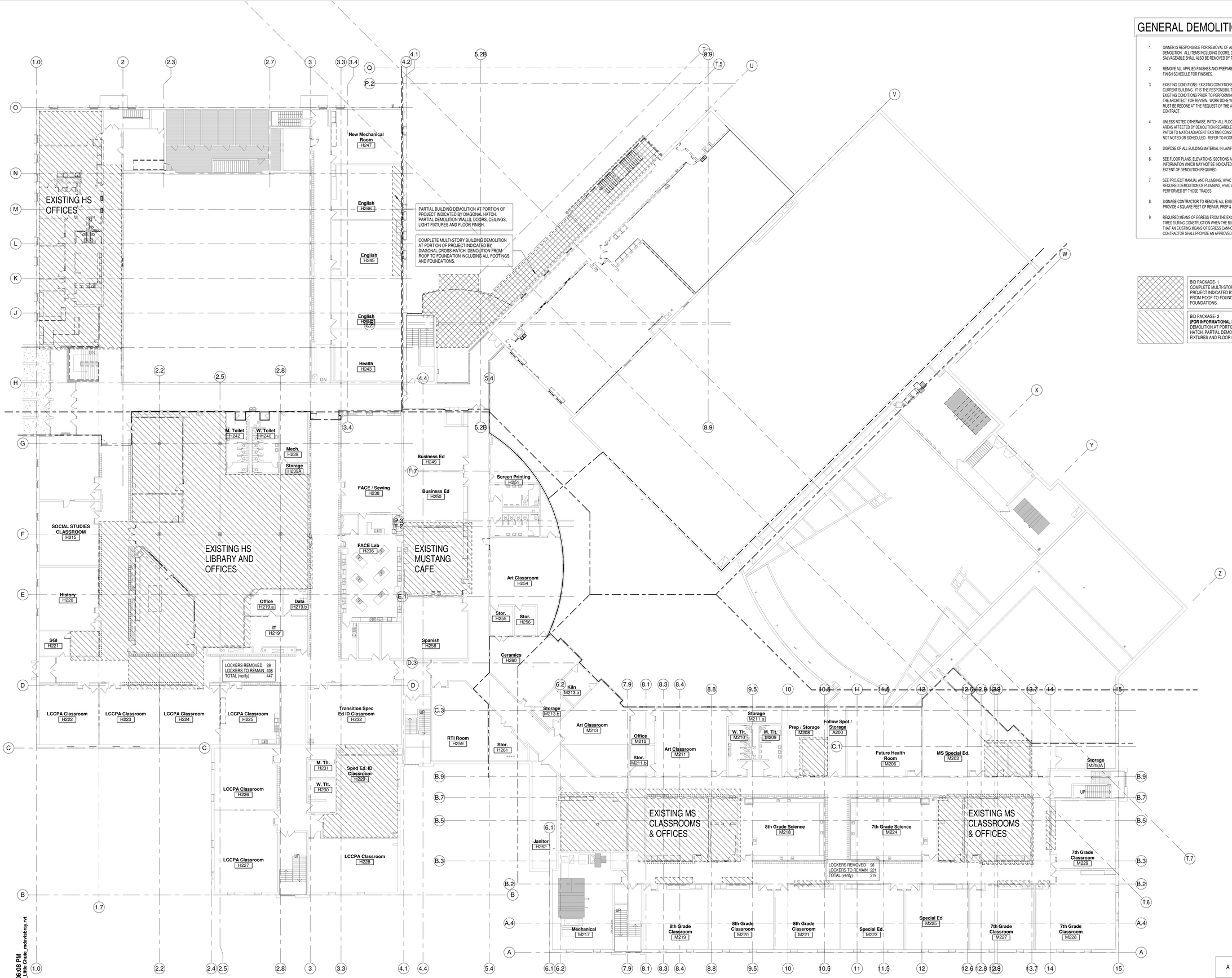

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PROGRESS SET

Sheet Title:
SECOND FLOOR DEMOLITION PLAN - OVERALL

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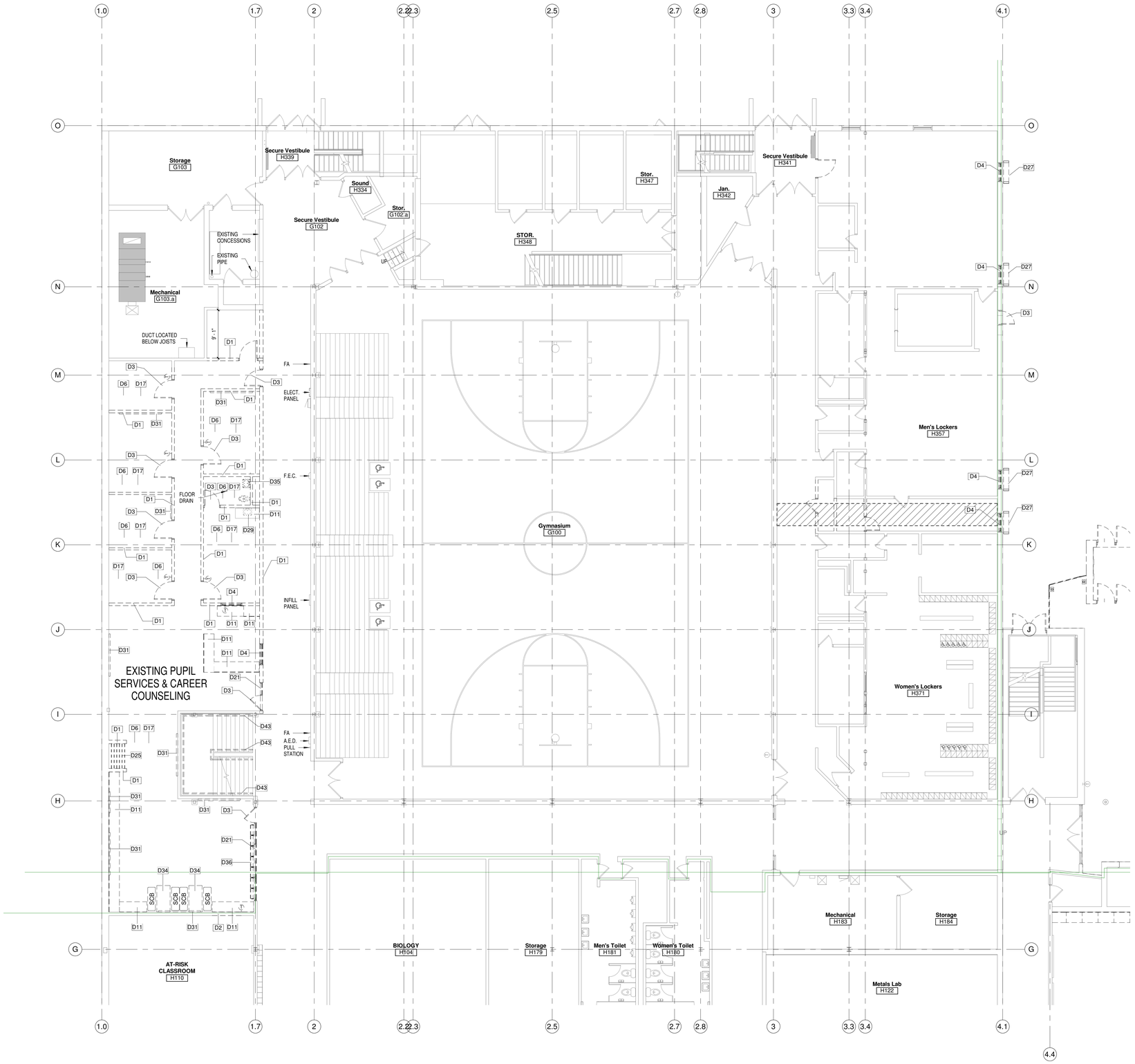

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GENERAL NOTES

D1	DEMOLISH WALL. PATCH FLOOR AND JAMBS TO RECEIVE NEW FINISHES
D2	DEMOLISH PORTION OF WALL FOR NEW DOOR & FRAME, BORROWED LIGHT, WINDOW OR WALL OPENING. PATCH FLOOR & JAMBS TO RECEIVE NEW FINISH. SEE DEMP & FLOOR PLANS TO COORDINATE EXTENT OF DEMOLITION.
D3	DEMOLISH DOOR AND FRAME
D4	DEMOLISH WINDOW/ BORROWED LIGHT, WINDOW SILL, AND WINDOW FLASHING
D6	DEMOLISH FLOOR FINISH AND BASE. PREPARE FLOOR CORRECTLY TO RECEIVE SCHEDULED FINISHES
D11	DEMOLISH CASEWORK AND COUNTERTOP
D17	
D21	DEMOLISH STOREFRONT
D25	REMOVE EXISTING FOLDING PARTITION
D27	SAW CUT & REMOVE EXISTING CONCRETE WINDOW TRIM
D29	REMOVE EXISTING SINK
D31	REMOVE/SALVAGE EXISTING WHITE/TACK/SMART BOARDS
D34	REMOVE SEATING BOOTHS & TABLES
D35	REMOVE EXISTING PLUMBING FIXTURES, SINK, GRAB BARS, & DISPENSERS
D36	REMOVE EXISTING BLINDS
D43	REMOVE EXISTING METAL RAIL

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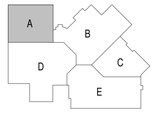

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Sheet Title:
FIRST FLOOR DEMOLITION PLAN - UNIT A

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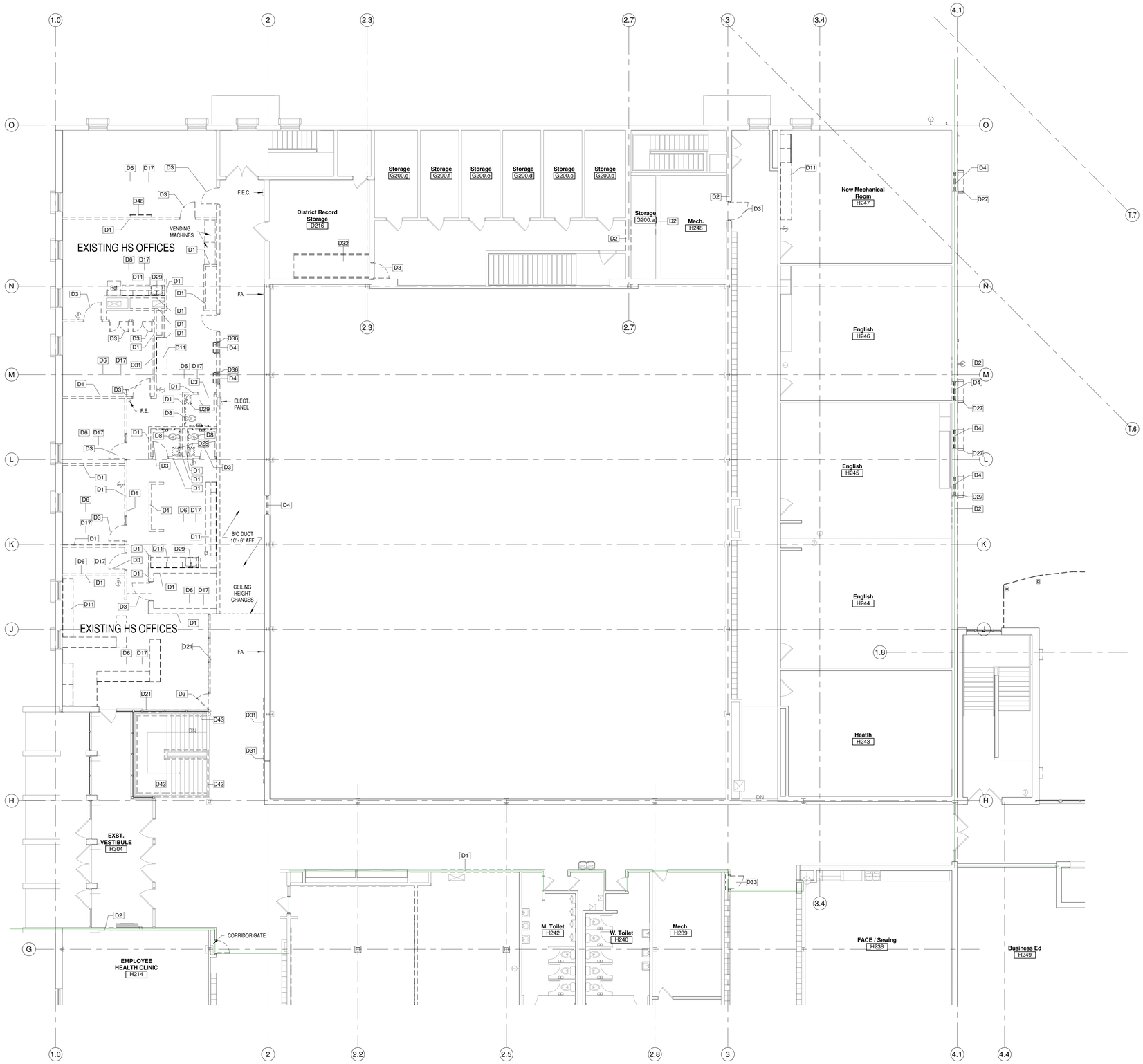

GENERAL DEMOLITION NOTES

1. OWNER IS RESPONSIBLE FOR REMOVAL OF ALL LOOSE FURNISHINGS PRIOR TO GENERAL DEMOLITION. ALL ITEMS INCLUDING DOORS, DOOR HARDWARE, CEILING TILES CONSIDERED SALVAGEABLE SHALL ALSO BE REMOVED BY THE OWNER PRIOR TO GENERAL DEMOLITION.
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5. DISPOSE OF ALL BUILDING MATERIAL IN LAWFUL MANNER.
6. SEE FLOOR PLANS, ELEVATIONS, SECTIONS AND DETAILS FOR ADDITIONAL DEMOLITION INFORMATION WHICH MAY NOT BE INDICATED ON DEMOLITION PLANS AND TO COORDINATE EXTENT OF DEMOLITION REQUIRED.
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GENERAL NOTES

D1	DEMOLISH WALL. PATCH FLOOR AND JAMBS TO RECEIVE NEW FINISHES
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D3	DEMOLISH DOOR AND FRAME
D4	DEMOLISH WINDOW/ BORROWED LIGHT, WINDOW SILL, AND WINDOW FLASHING
D6	DEMOLISH FLOOR FINISH AND BASE. PREPARE FLOOR CORRECTLY TO RECEIVE SCHEDULED FINISHES
D8	DEMOLISH TOILET FIXTURE(S) & CAP AS NOTED IN PLUMBING DRAWINGS
D11	DEMOLISH CASEWORK AND COUNTERTOP
D17	
D21	DEMOLISH STOREFRONT
D27	SAW CUT & REMOVE EXISTING CONCRETE WINDOW TRIM
D29	REMOVE EXISTING SINK
D31	REMOVE/SALVAGE EXISTING WHITE/TACK/SMART BOARDS
D32	REMOVE EXISTING RAMP
D33	REMOVE EXISTING TEMPORARY PARTITION & DOOR
D36	REMOVE EXISTING BLINDS
D43	REMOVE EXISTING METAL RAIL
D48	REMOVE/SALVAGE EXISTING WALL-MOUNTED TV - RETURN TO OWNER FOR REUSE

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Little Chute Area School District
1402 Freedom Rd Little Chute, WI 54140

REVISIONS:

#	DATE	DESCRIPTION

Project Number:
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Issued For:
BID PACKAGE- 2 PROGRESS SET

Sheet Title:
SECOND FLOOR DEMOLITION PLAN - UNIT A

Sheet Number:
AD1.A2

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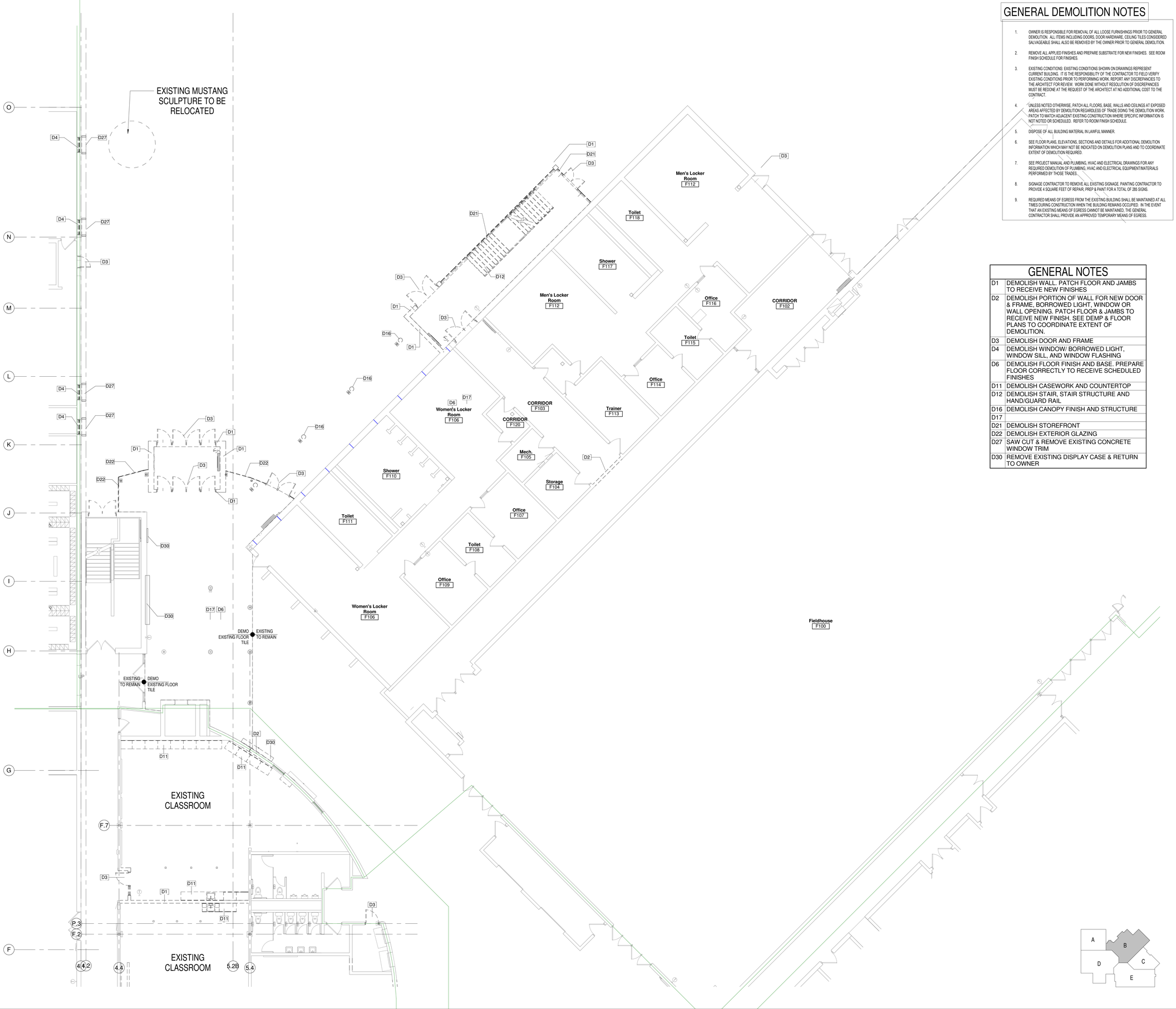

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D6	DEMOLISH FLOOR FINISH AND BASE. PREPARE FLOOR CORRECTLY TO RECEIVE SCHEDULED FINISHES
D11	DEMOLISH CASEWORK AND COUNTERTOP
D12	DEMOLISH STAIR, STAIR STRUCTURE AND HAND/GUARD RAIL
D16	DEMOLISH CANOPY FINISH AND STRUCTURE
D17	
D21	DEMOLISH STOREFRONT
D22	DEMOLISH EXTERIOR GLAZING
D27	SAW CUT & REMOVE EXISTING CONCRETE WINDOW TRIM
D30	REMOVE EXISTING DISPLAY CASE & RETURN TO OWNER

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Sheet Title:
FIRST FLOOR DEMOLITION PLAN - UNIT B

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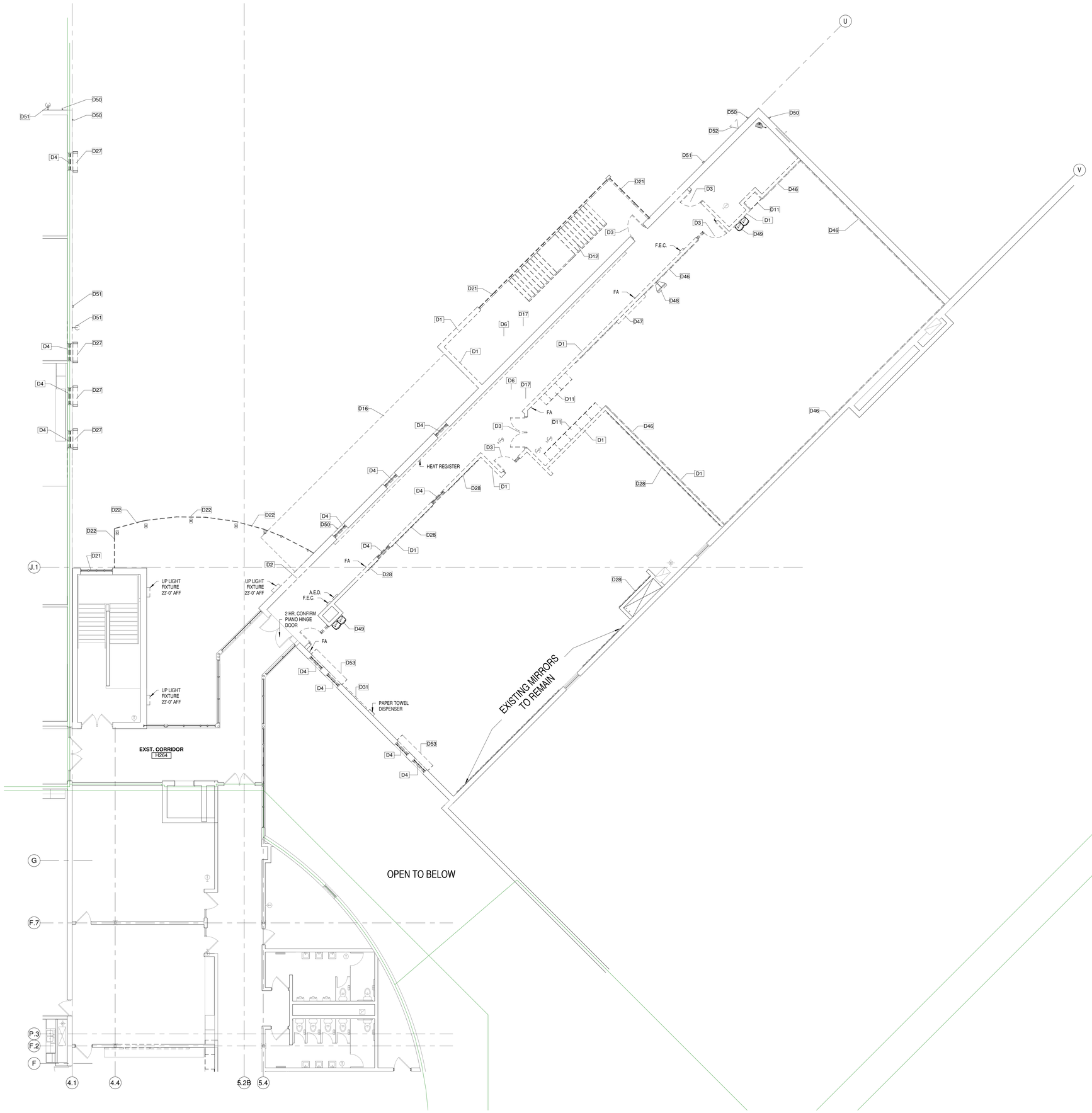

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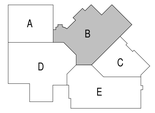
D6	DEMOLISH FLOOR FINISH AND BASE. PREPARE FLOOR CORRECTLY TO RECEIVE SCHEDULED FINISHES
D11	DEMOLISH CASEWORK AND COUNTERTOP
D12	DEMOLISH STAIR, STAIR STRUCTURE AND HAND/GUARD RAIL
D16	DEMOLISH CANOPY FINISH AND STRUCTURE
D17	
D21	DEMOLISH STOREFRONT
D22	DEMOLISH EXTERIOR GLAZING
D27	SAW CUT & REMOVE EXISTING CONCRETE WINDOW TRIM
D28	REMOVE EXISTING MIRRORS FOR REUSE
D31	REMOVE/SALVAGE EXISTING WHITE/TACK/SMART BOARDS
D37	SAWCUT EXISTING PRECAST WALL FOR NEW WINDOWS
D46	REMOVE/SALVAGE EXISTING ATHLETIC WALL PADS - RETURN TO OWNER FOR REUSE
D47	REMOVE/SALVAGE EXISTING WALL-MOUNTED SCOREBOARD - RETURN TO OWNER FOR REUSE
D48	REMOVE/SALVAGE EXISTING WALL-MOUNTED TV - RETURN TO OWNER FOR REUSE
D49	REMOVE DRINKING FOUNTAINS. SALVAGE FOR REUSE
D50	REMOVE/SALVAGE EXISTING SECURITY CAMERAS - RETURN TO OWNER FOR REUSE
D51	REMOVE EXISTING WALL-MOUNTED EXTERIOR LIGHTING
D52	REMOVE EXISTING LOUD SPEAKER. SALVAGE FOR REUSE
D53	REMOVE FIRE SHUTTERS



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Sheet Title:
SECOND FLOOR DEMOLITION PLAN - UNIT B

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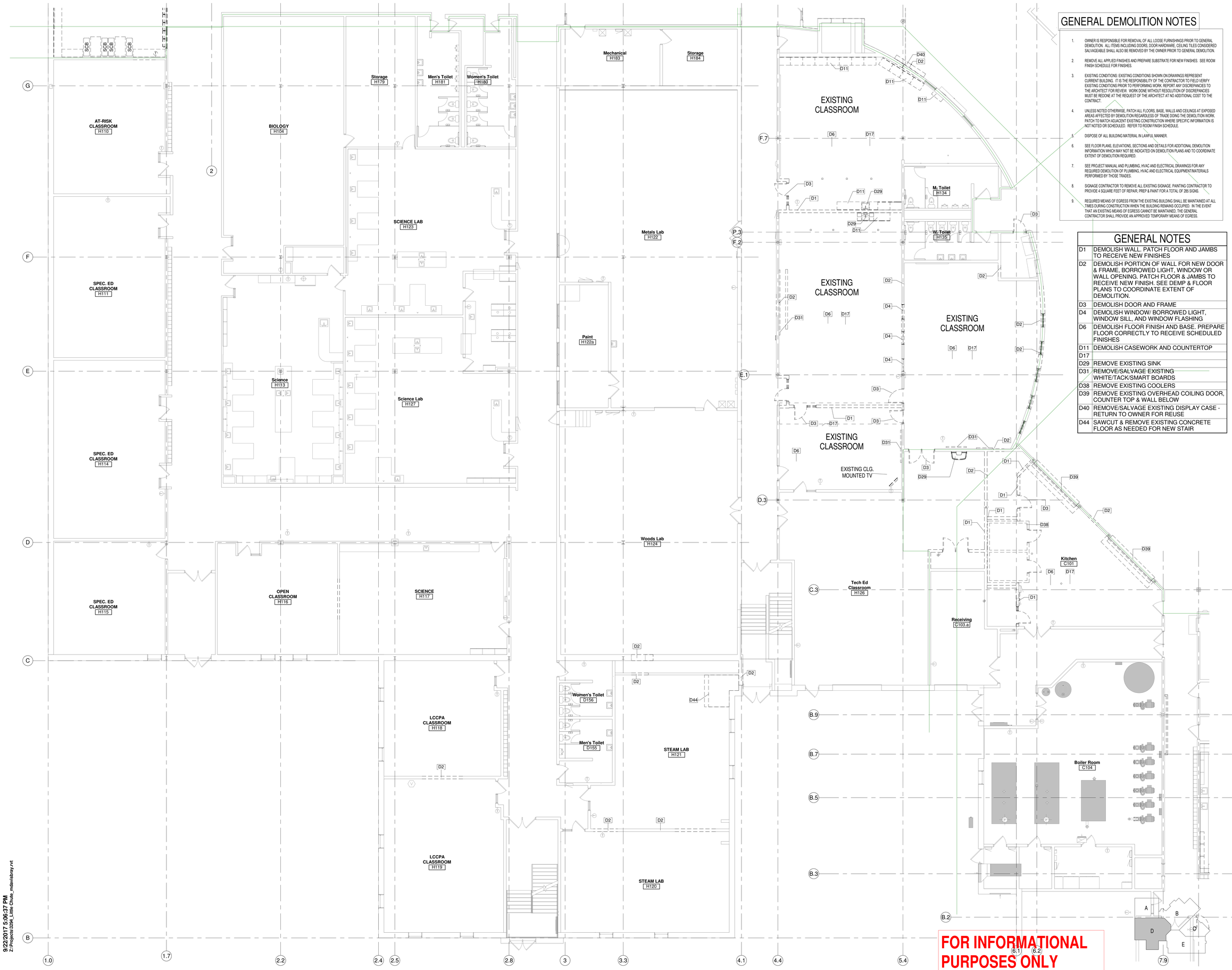

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D3	DEMOLISH DOOR AND FRAME
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D6	DEMOLISH FLOOR FINISH AND BASE. PREPARE FLOOR CORRECTLY TO RECEIVE SCHEDULED FINISHES
D11	DEMOLISH CASEWORK AND COUNTERTOP
D17	
D29	REMOVE EXISTING SINK
D31	REMOVE/SALVAGE EXISTING WHITE/TACK/SMART BOARDS
D38	REMOVE EXISTING COOLERS
D39	REMOVE EXISTING OVERHEAD COILING DOOR, COUNTER TOP & WALL BELOW
D40	REMOVE/SALVAGE EXISTING DISPLAY CASE - RETURN TO OWNER FOR REUSE
D44	SAWCUT & REMOVE EXISTING CONCRETE FLOOR AS NEEDED FOR NEW STAIR

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Sheet Title:
FIRST FLOOR DEMOLITION PLAN - UNIT D

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D3	DEMOLISH DOOR AND FRAME
D6	DEMOLISH FLOOR FINISH AND BASE. PREPARE FLOOR CORRECTLY TO RECEIVE SCHEDULED FINISHES
D9	DEMOLISH LOCKER(S) AND CURB. CONSULT WITH OWNER REGARDING SALVAGE OF LOCKERS
D11	DEMOLISH CASEWORK AND COUNTERTOP
D17	
D21	DEMOLISH STOREFRONT
D26	REMOVE EXISTING SECURITY SCANNER AND RETURN TO OWNER
D31	REMOVE/SALVAGE EXISTING WHITE/TACK/SMART BOARDS
D41	DEMOLISH FURRING AT EXISTING COLUMNS. PATCH FLOORS TO RECEIVE NEW FINISH
D45	DEMOLISH EXISTING DOOR & FRAME. SALVAGE FOR REUSE (SEE DOOR SCHEDULE)
D56	REMOVE EXISTING ACOUSTIC WALL PANELS. SALVAGE FOR REUSE.
D57	REMOVE EXISTING PROJECTION SCREEN. SALVAGE FOR REUSE.

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Sheet Title:
SECOND FLOOR DEMOLITION PLAN - UNIT D

Sheet Number:
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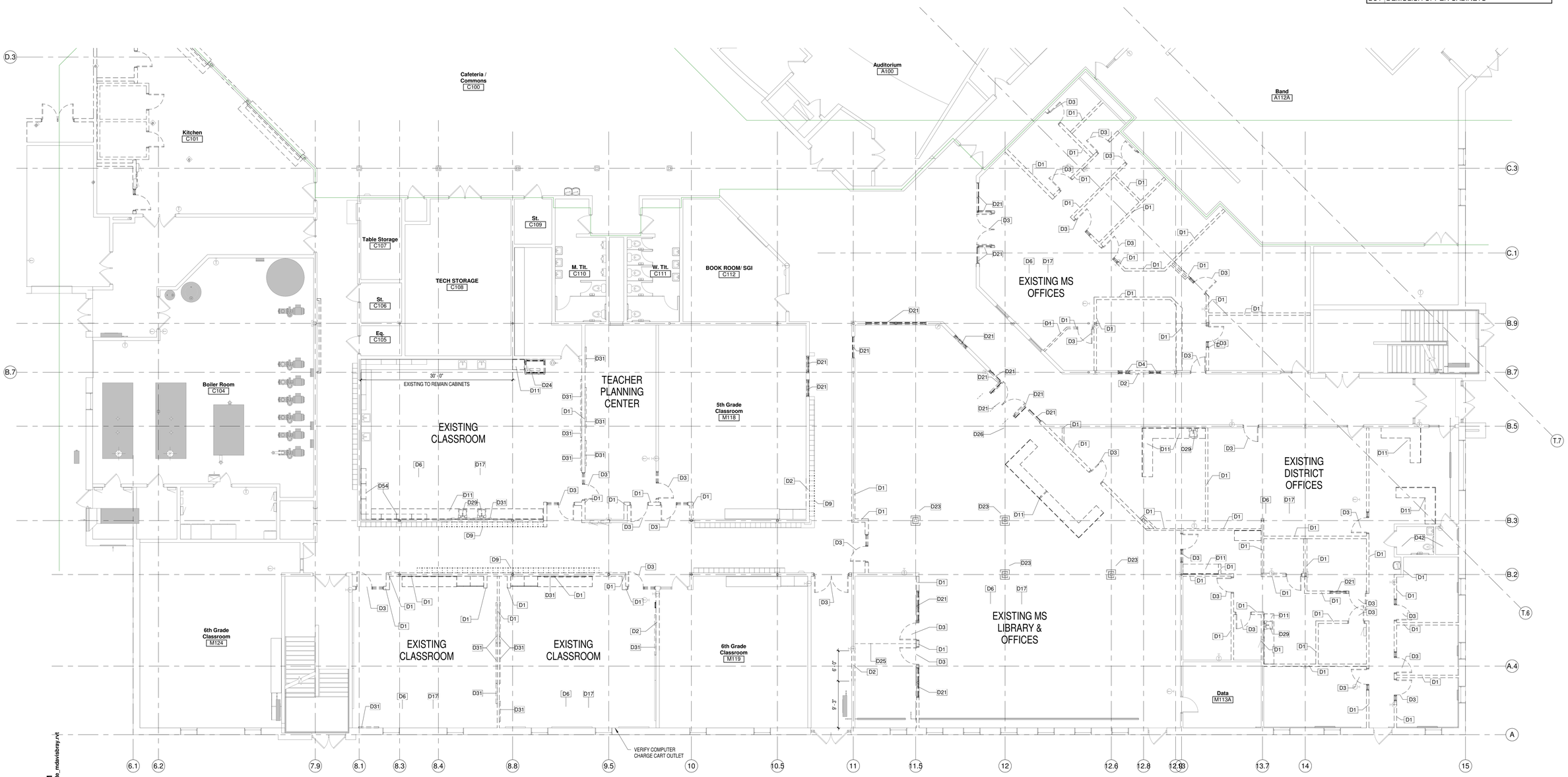
D3	DEMOLISH DOOR AND FRAME
D4	DEMOLISH WINDOW/ BORROWED LIGHT, WINDOW SILL, AND WINDOW FLASHING
D6	DEMOLISH FLOOR FINISH AND BASE. PREPARE FLOOR CORRECTLY TO RECEIVE SCHEDULED FINISHES
D9	DEMOLISH LOCKER(S) AND CURB. CONSULT WITH OWNER REGARDING SALVAGE OF LOCKERS
D11	DEMOLISH CASEWORK AND COUNTERTOP
D17	
D21	DEMOLISH STOREFRONT
D23	DEMOLISH TAPERED WALL FURRING AROUND EXISTING COLUMNS
D24	REMOVE EXISTING FUME HOOD AND RETURN TO OWNER
D25	REMOVE EXISTING FOLDING PARTITION
D26	REMOVE EXISTING SECURITY SCANNER AND RETURN TO OWNER
D29	REMOVE EXISTING SINK
D31	REMOVE/SALVAGE EXISTING WHITE/TACK/SMART BOARDS
D42	EXISTING RESTROOM AND STORAGE TO REMAIN
D54	DEMOLISH UPPER CABINETS



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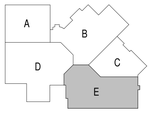

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REVISIONS:

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Project Number:
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BID PACKAGE- 2 PROGRESS SET

Sheet Title:
FIRST FLOOR DEMOLITION PLAN - UNIT E

Sheet Number:
AD1.E1

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GENERAL NOTES

D1	DEMOLISH WALL. PATCH FLOOR AND JAMBS TO RECEIVE NEW FINISHES
D2	DEMOLISH PORTION OF WALL FOR NEW DOOR & FRAME, BORROWED LIGHT, WINDOW OR WALL OPENING. PATCH FLOOR & JAMBS TO RECEIVE NEW FINISH. SEE DEMP & FLOOR PLANS TO COORDINATE EXTENT OF DEMOLITION.
D3	DEMOLISH DOOR AND FRAME
D6	DEMOLISH FLOOR FINISH AND BASE. PREPARE FLOOR CORRECTLY TO RECEIVE SCHEDULED FINISHES
D9	DEMOLISH LOCKER(S) AND CURB. CONSULT WITH OWNER REGARDING SALVAGE OF LOCKERS
D11	DEMOLISH CASEWORK AND COUNTERTOP
D17	
D31	REMOVE/SALVAGE EXISTING WHITE/TACK/SMART BOARDS
D55	REMOVE EXISTING FIRE EXTINGUISHER. SALVAGE FOR REUSE.

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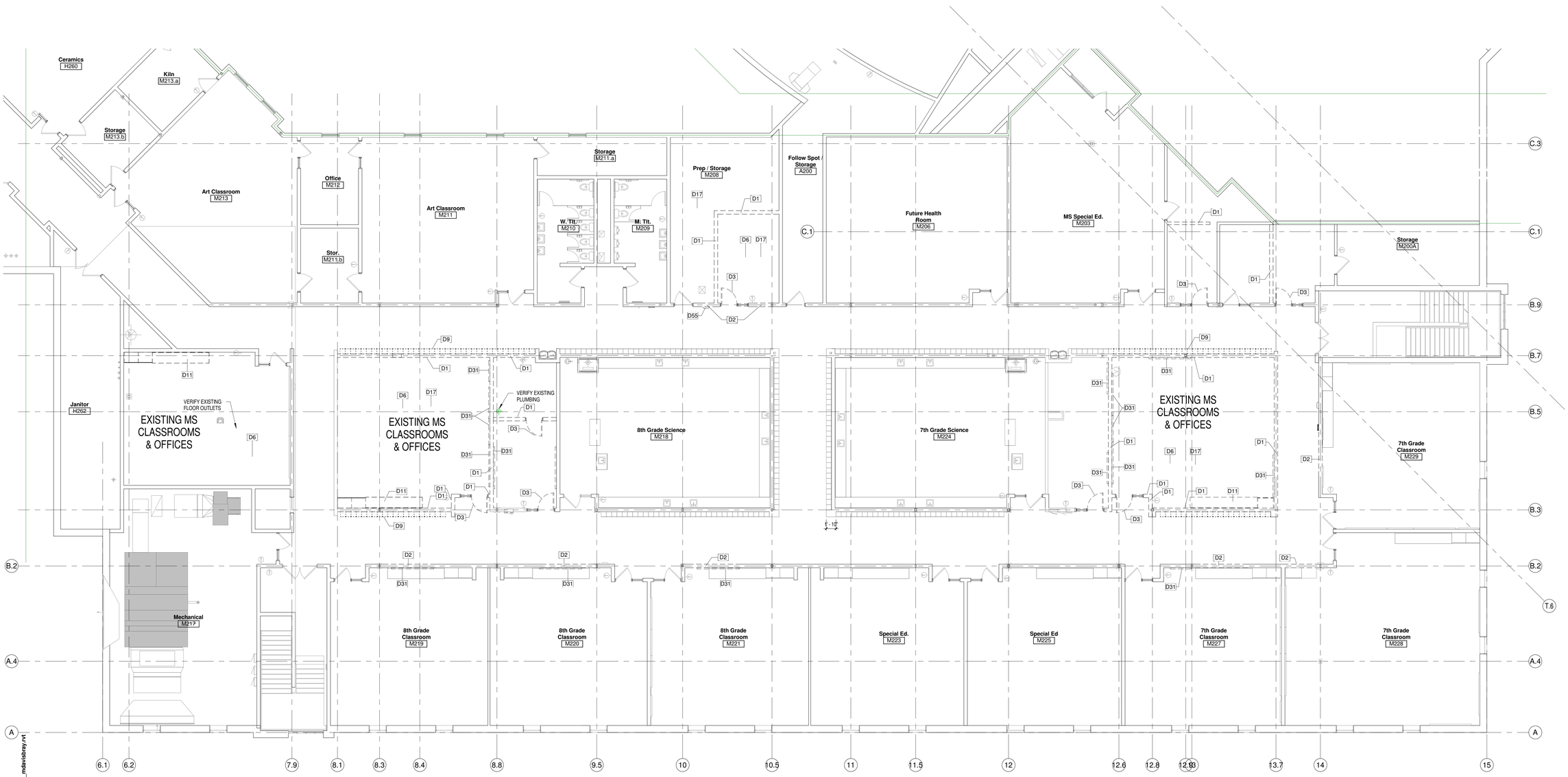

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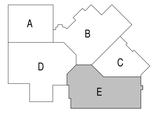

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SECOND FLOOR DEMOLITION PLAN - UNIT E

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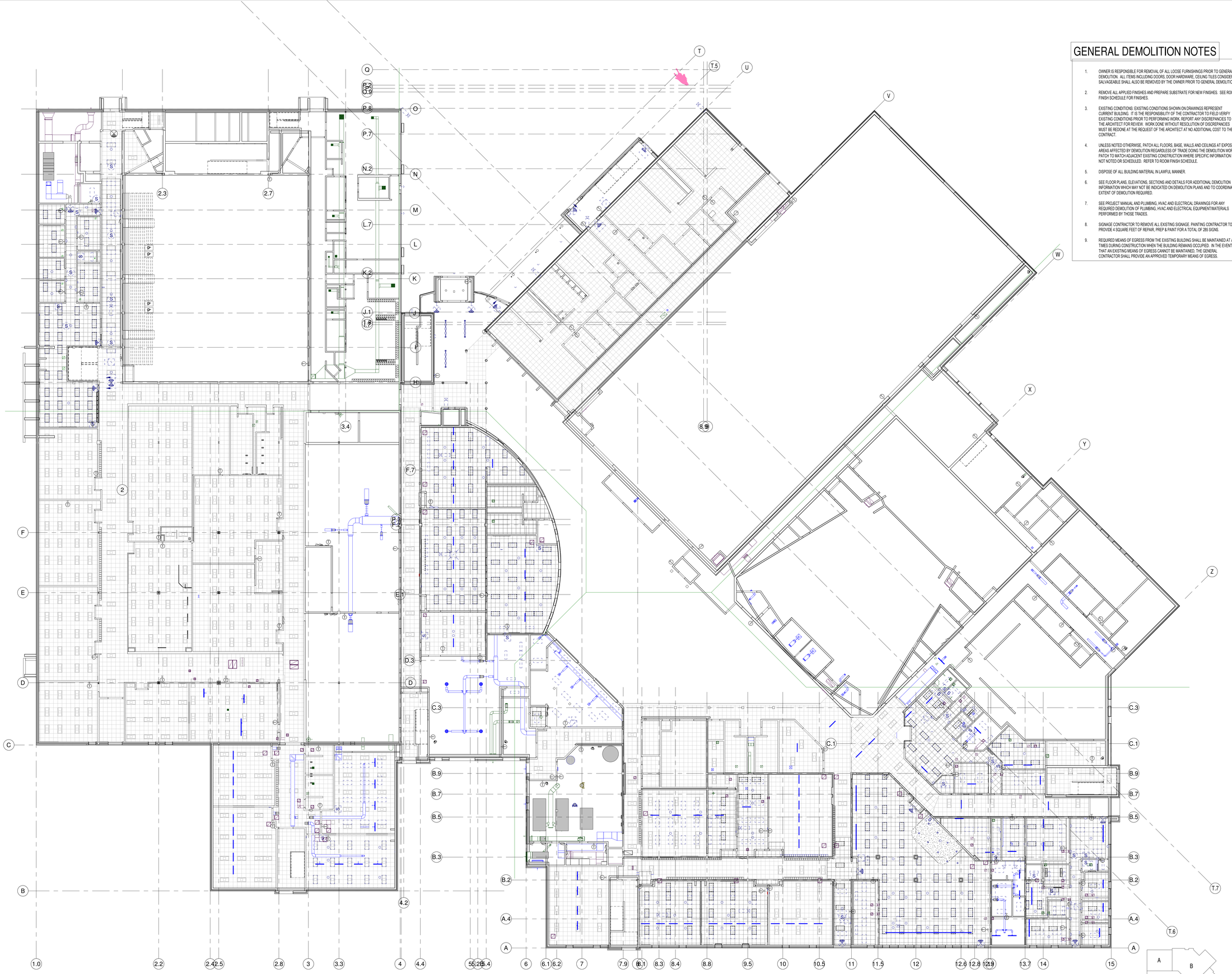

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Sheet Title:
FIRST FLOOR RCP DEMOLITION OVERALL

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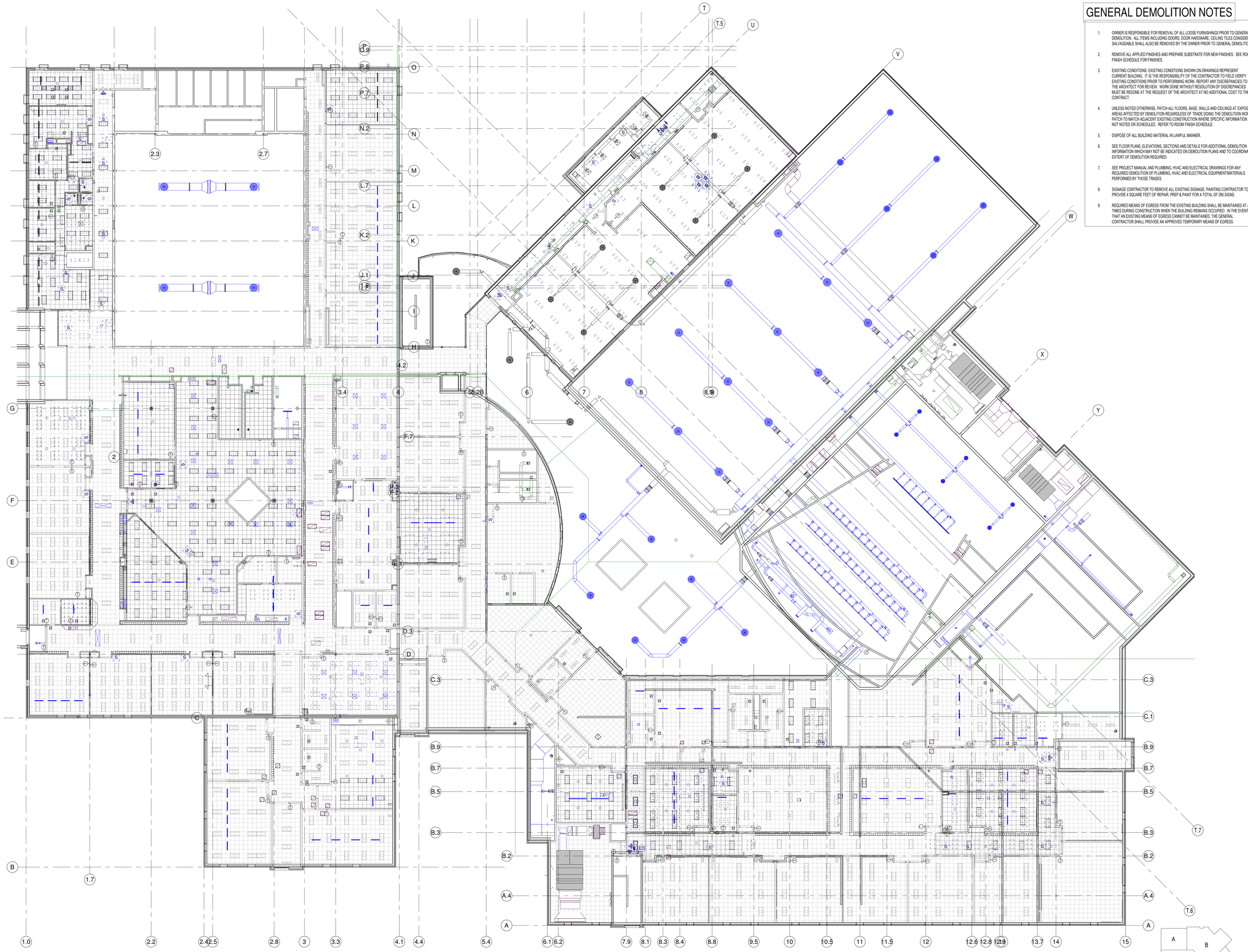

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Sheet Title:
SECOND FLOOR RCP DEMOLITION OVERALL

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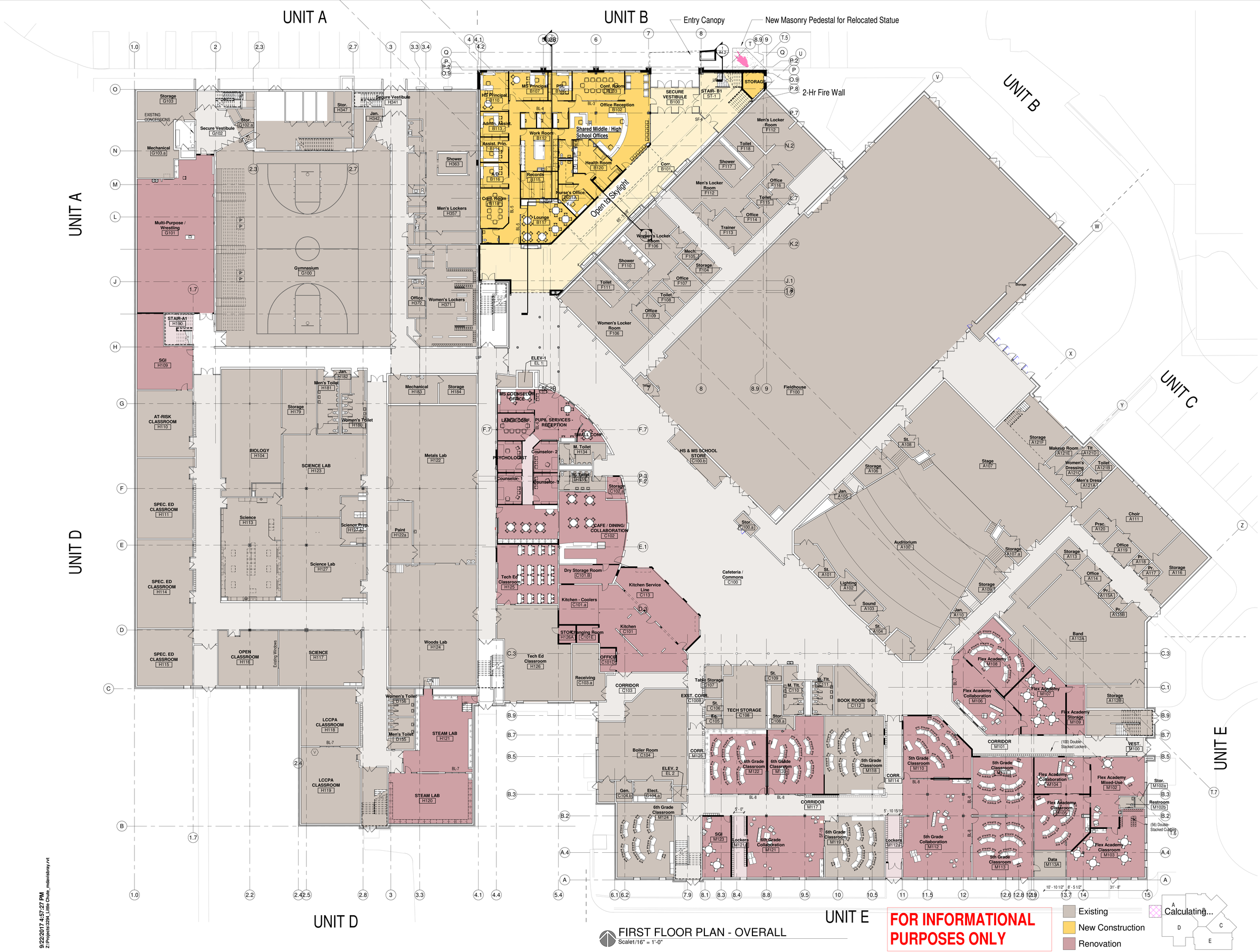

FIRST FLOOR PLAN - OVERALL
Scale1/16" = 1'-0"

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Existing
New Construction
Renovation

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Sheet Title:
FIRST FLOOR PLAN- OVERALL

Sheet Number:
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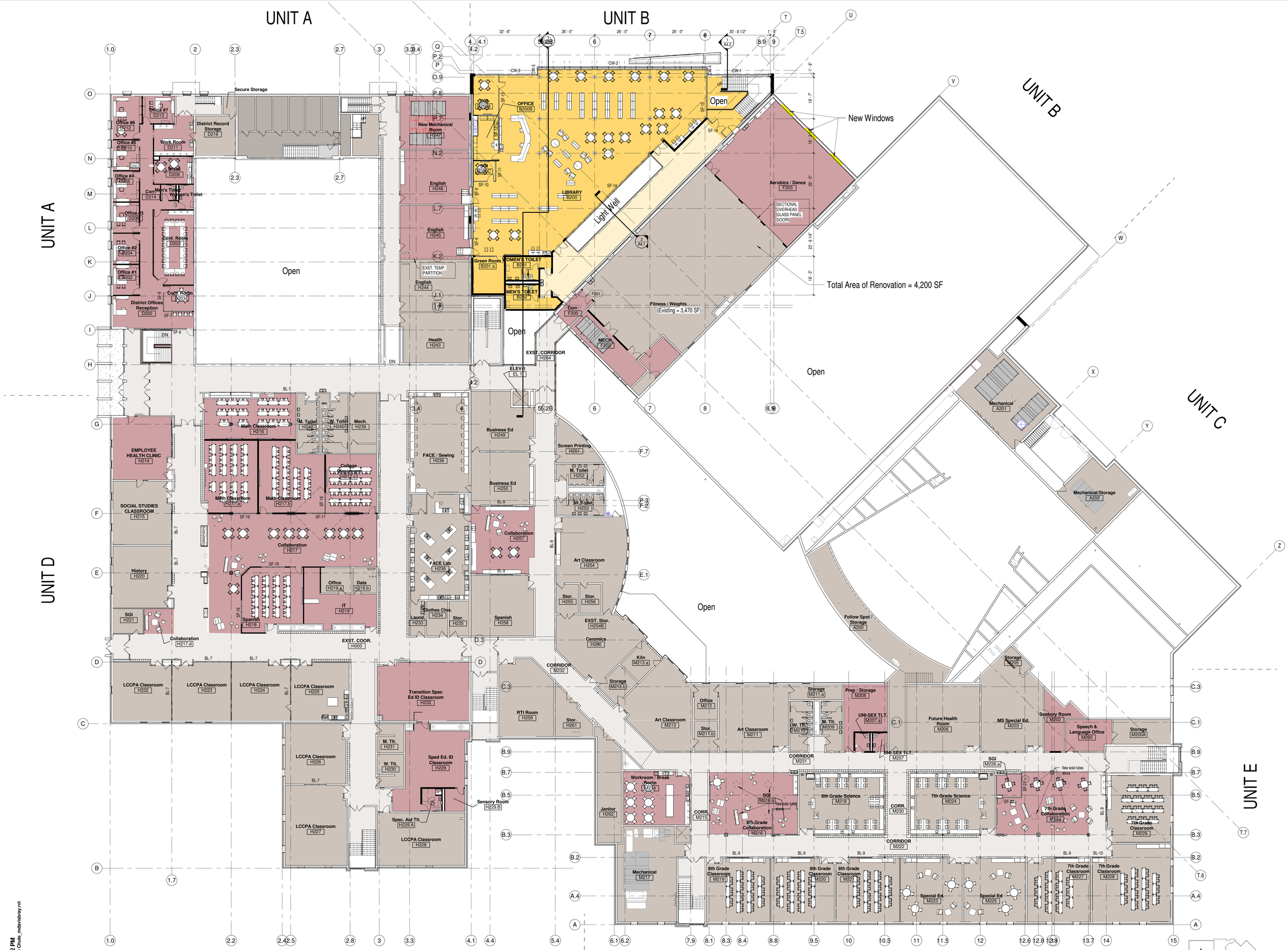

SECOND FLOOR PLAN- OVERALL
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Existing
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Sheet Title:
SECOND FLOOR PLAN- OVERALL

Sheet Number:
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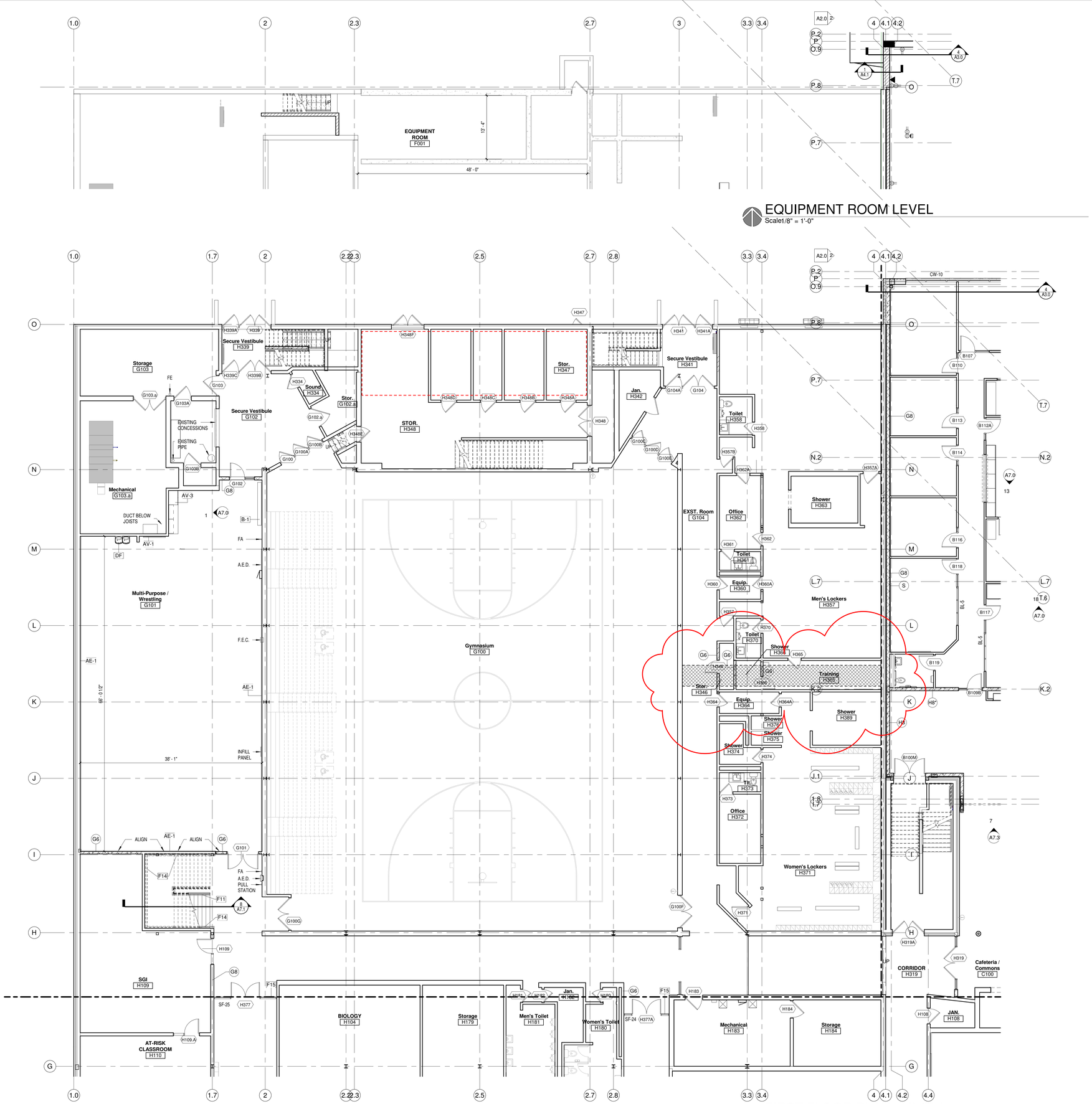

EQUIPMENT ROOM LEVEL
Scale1/8" = 1'-0"

FIRST FLOOR PLAN - UNIT A
Scale1/8" = 1'-0"

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GENERAL NOTES

AE-1	ATHLETIC WALL PADS
AV-1	FLAT SCREEN MONITOR, WALL MOUNTED, CONTRACTOR INSTALLED, OWNER FURNISHED. CONTRACTOR TO PROVIDE BLOCKING. SEE ELECTRICAL
AV-3	AV STORAGE CABINET
B-1	BENCH
DF	DRINKING FOUNTAIN - SEE PLUMBING
F11	NEW METAL RAIL BID PACKAGE-1 (VERIFY EXISTING STAIR DIMENSION)
F14	NEW HAND RAIL BID PACKAGE-1
F15	NEW STOREFRONT BID PACKAGE-1

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Sheet Title:
FIRST FLOOR PLAN- UNIT A

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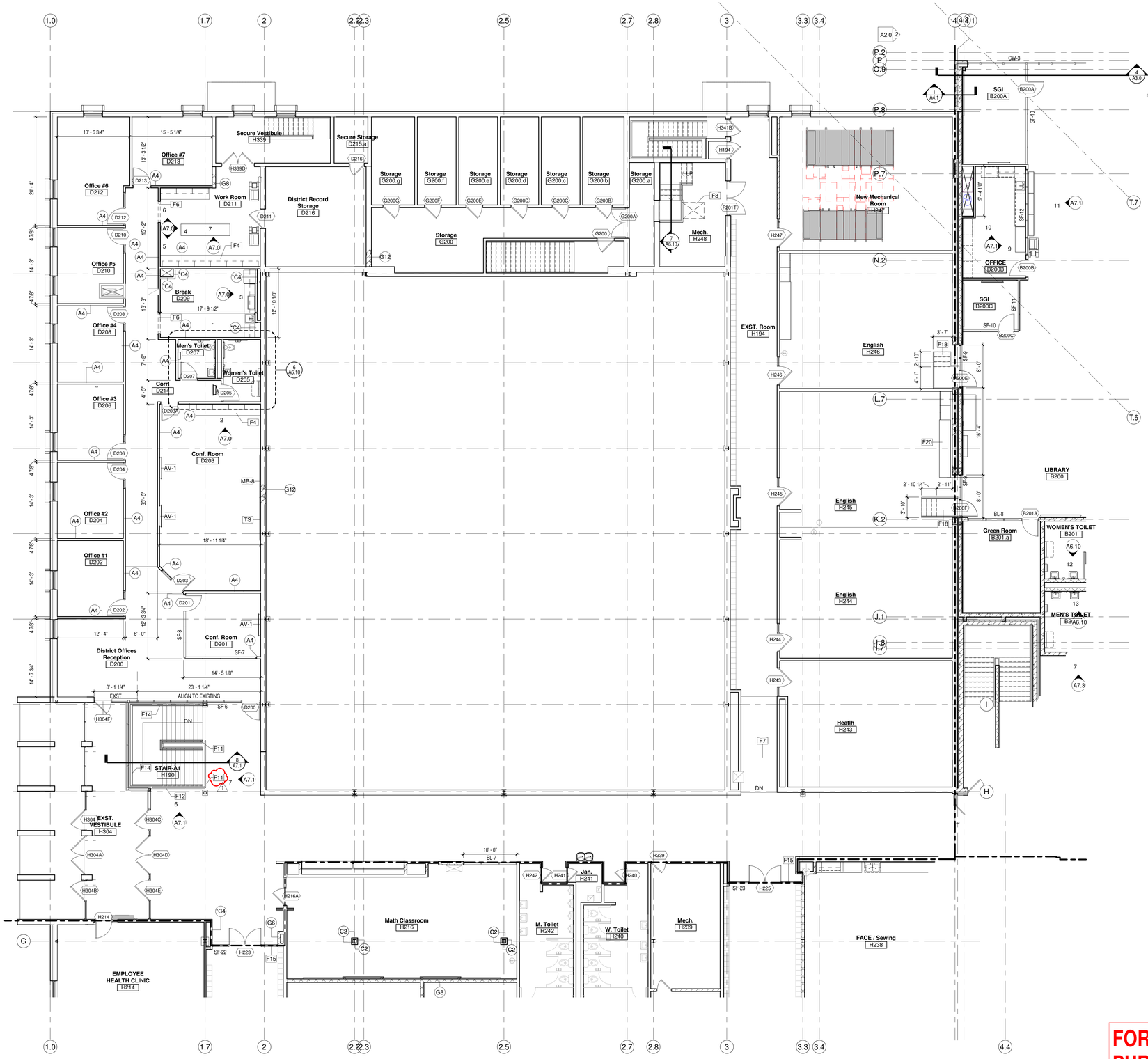
GENERAL NOTES

AV-1	FLAT SCREEN MONITOR, WALL MOUNTED, CONTRACTOR INSTALLED, OWNER FURNISHED. CONTRACTOR TO PROVIDE BLOCKING. SEE ELECTRICAL
F4	COUNTERTOP, BASE, & WALL CABINETS
F6	DOOR OPENING
F7	EXISTING RAMP
F8	NEW LIFT. SIZE TO BE DETERMINED
F11	NEW METAL RAIL BID PACKAGE-1 (VERIFY EXISTING STAIR DIMENSION)
F12	TENSION CABLE RAIL. BID PACKAGE-1
F14	NEW HAND RAIL BID PACKAGE-1
F15	NEW STOREFRONT BID PACKAGE-1
F18	
F20	EXISTING CABINETS & COUNTER TOP TO REMAIN
MB-8	MARKER BOARD 8' x 4'
TS	TACKABLE SURFACE - SEE FINISH NOTES ON A9.0 FOR TYPE



SECOND FLOOR PLAN- UNIT A
Scale1/8" = 1'-0"

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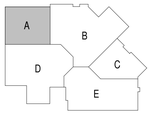

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Sheet Title:
SECOND FLOOR PLAN -UNIT A

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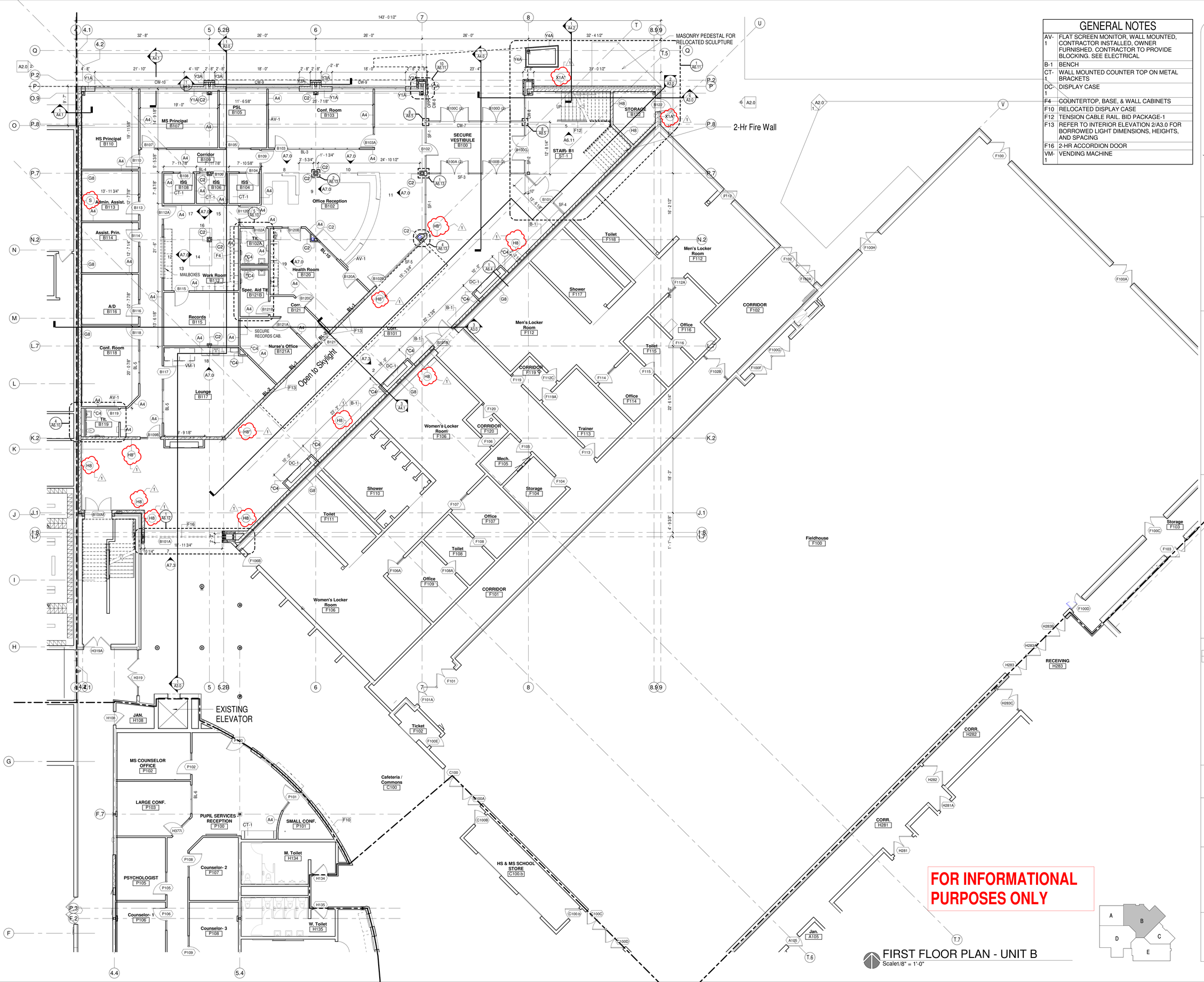

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AV-1	FLAT SCREEN MONITOR, WALL MOUNTED, CONTRACTOR INSTALLED, OWNER FURNISHED. CONTRACTOR TO PROVIDE BLOCKING. SEE ELECTRICAL
B-1	BENCH
CT-1	WALL MOUNTED COUNTER TOP ON METAL BRACKETS
DC-1	DISPLAY CASE
F4	COUNTERTOP, BASE, & WALL CABINETS
F10	RELOCATED DISPLAY CASE
F12	TENSION CABLE RAIL. BID PACKAGE-1
F13	REFER TO INTERIOR ELEVATION 2/A3.0 FOR BORROWED LIGHT DIMENSIONS, HEIGHTS, AND SPACING
F16	2-HR ACCORDION DOOR
VM-1	VENDING MACHINE

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FIRST FLOOR PLAN - UNIT B

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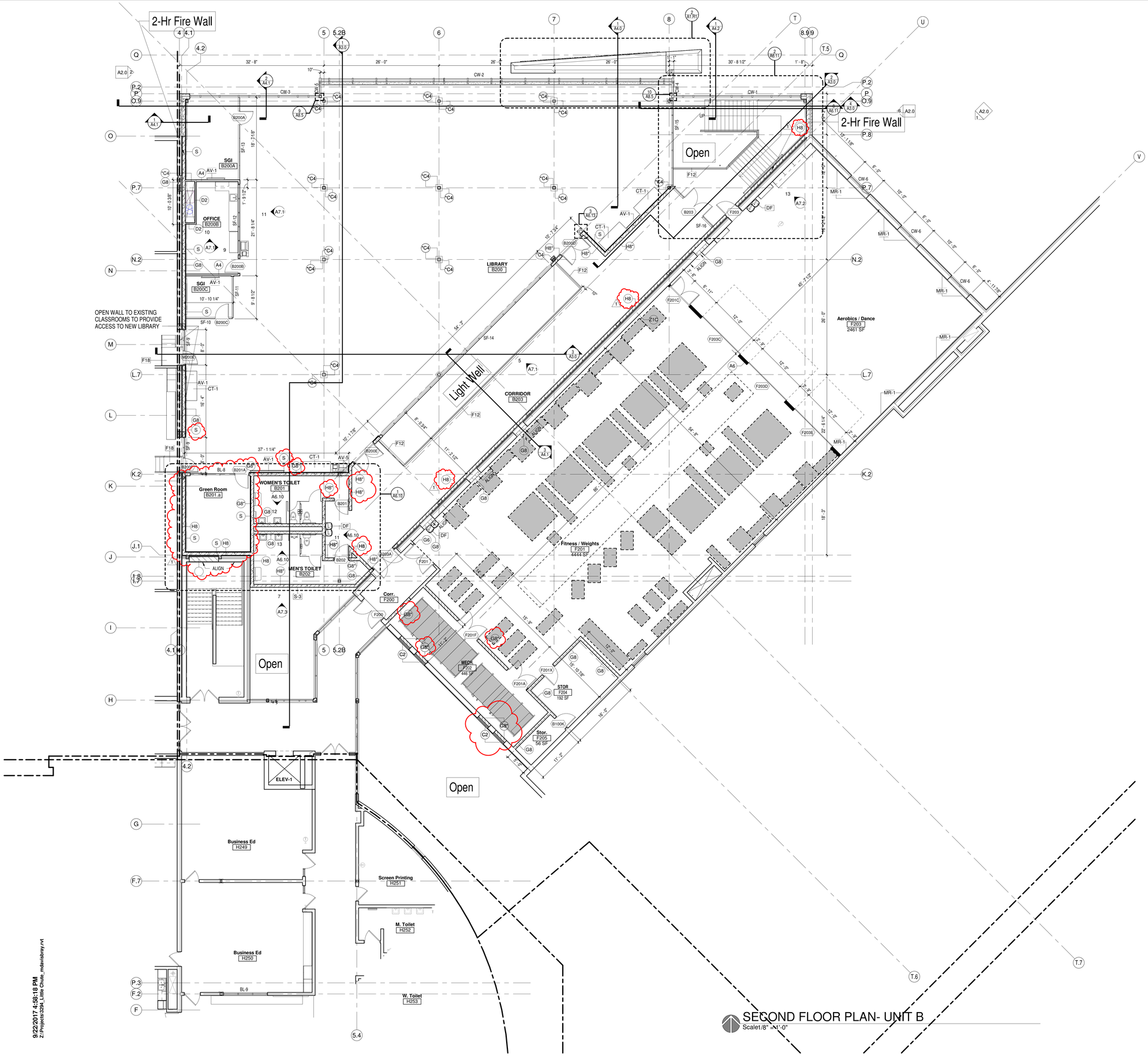

SECOND FLOOR PLAN- UNIT B
Scale1/8" =1'-0"

GENERAL NOTES

AV-1	FLAT SCREEN MONITOR, WALL MOUNTED, CONTRACTOR INSTALLED, OWNER FURNISHED. CONTRACTOR TO PROVIDE BLOCKING. SEE ELECTRICAL
AV-5	DIGITAL SIGN
F12	TENSION CABLE RAIL. BID PACKAGE-1
MR-1	MIRROR
S-3	WALL MOUNTED SIGNAGE

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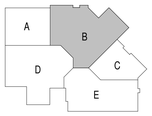

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Project Title:
ADDITION AND RENOVATION TO
LITTLE CHUTE HIGH/ MIDDLE/ INTERMEDIATE SCHOOL
Little Chute Area School District
1402 Freedom Rd Little Chute, WI 54140

REVISIONS:

#	DATE	DESCRIPTION
1	9/25/17	ADD-1

Project Number:
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Sheet Title:
SECOND FLOOR PLAN -UNIT B

Sheet Number:
A1.B2

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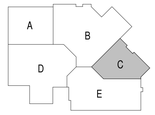
FIRST FLOOR PLAN - UNIT C

Scale1/8" = 1'-0"



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Sheet Title:
FIRST FLOOR PLAN- UNIT C

Sheet Number:
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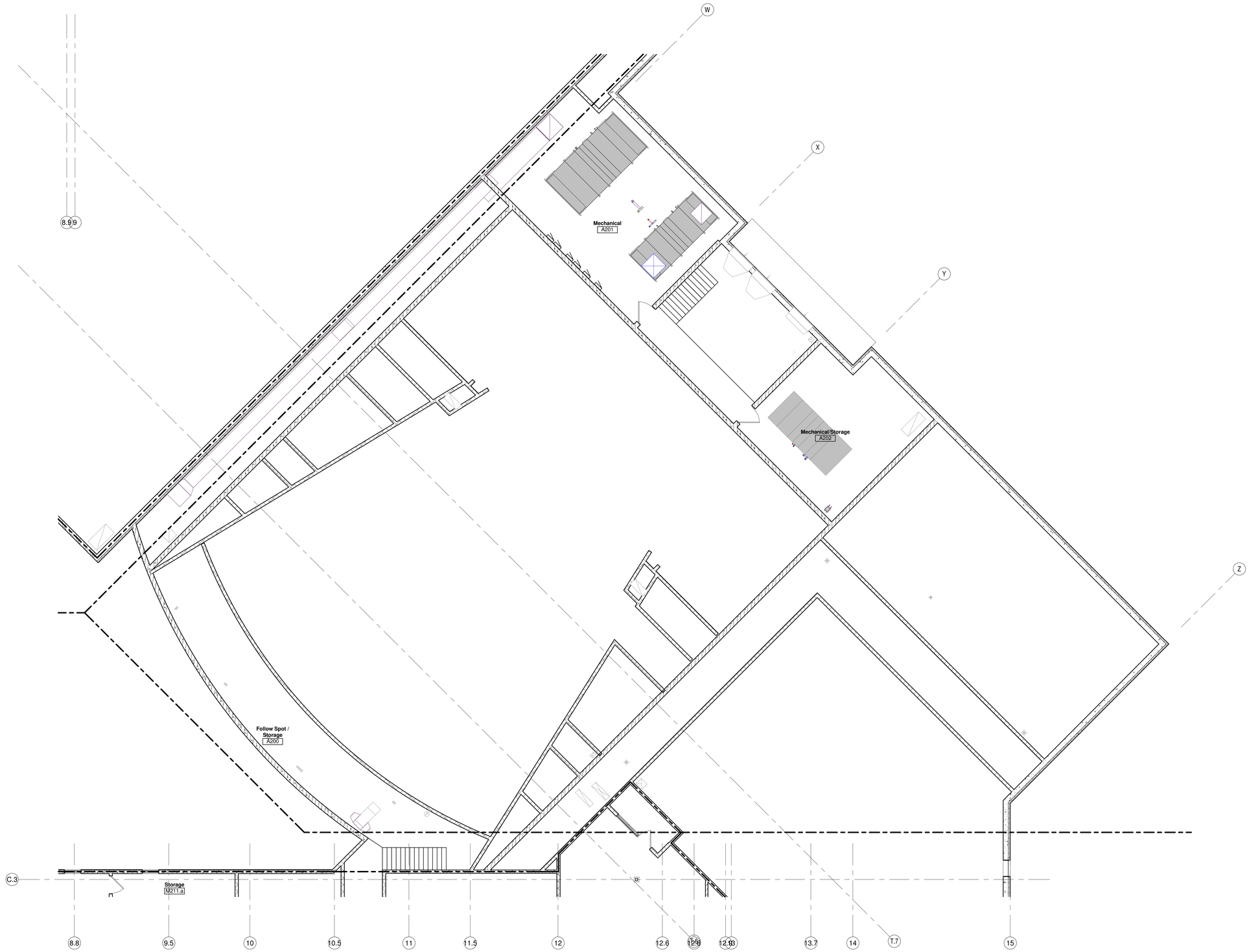

SECOND FLOOR PLAN- UNIT C
Scale1/8" = 1'-0"

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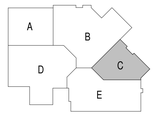

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Sheet Title:
SECOND FLOOR PLAN -UNIT C

Sheet Number:
A1.C2

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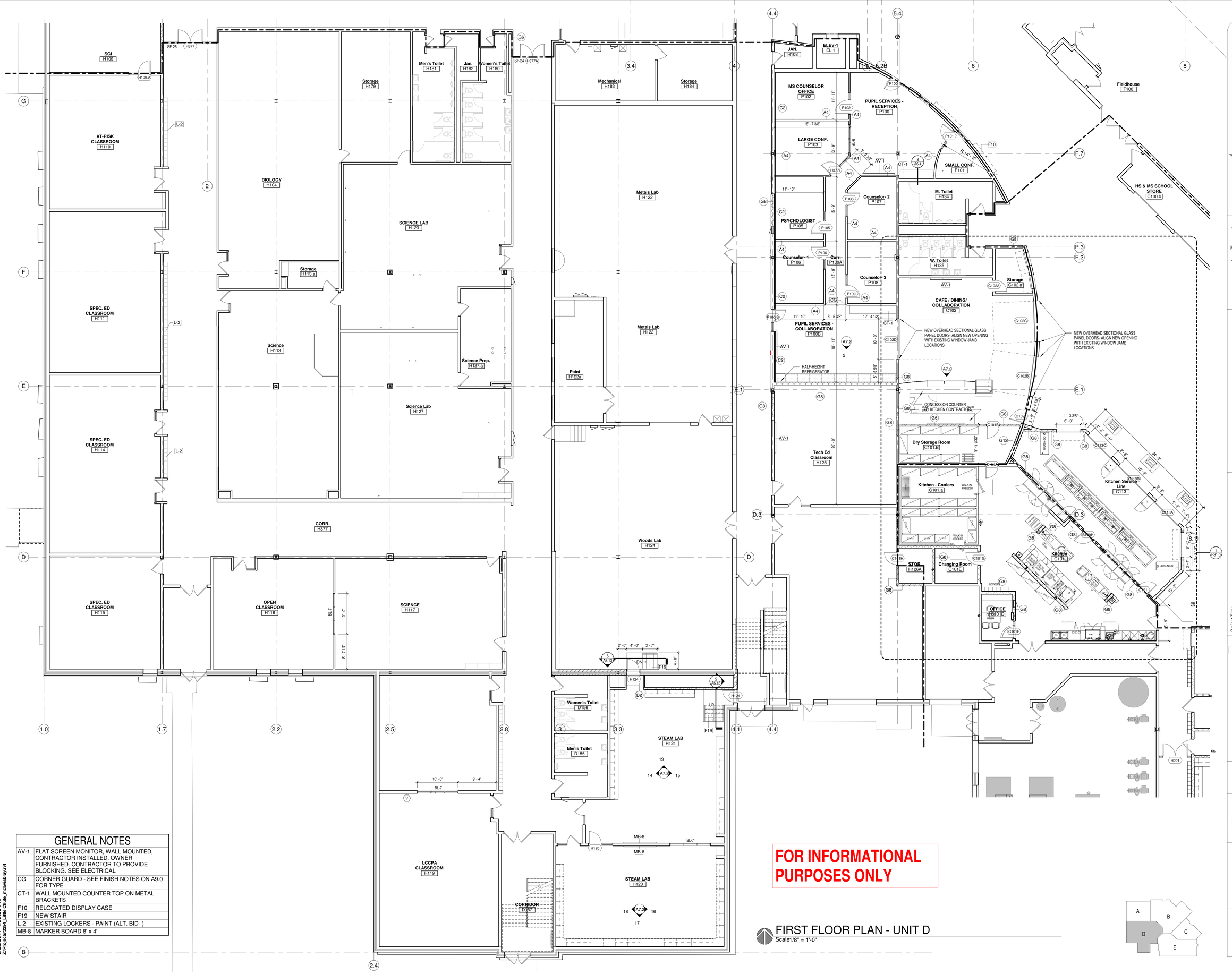

GENERAL NOTES

AV-1	FLAT SCREEN MONITOR, WALL MOUNTED, CONTRACTOR INSTALLED, OWNER FURNISHED. CONTRACTOR TO PROVIDE BLOCKING. SEE ELECTRICAL
CG	CORNER GUARD - SEE FINISH NOTES ON A9.0 FOR TYPE
CT-1	WALL MOUNTED COUNTER TOP ON METAL BRACKETS
F10	RELOCATED DISPLAY CASE
F19	NEW STAIR
L-2	EXISTING LOCKERS - PAINT (ALT. BID-)
MB-8	MARKER BOARD 8' x 4'

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FIRST FLOOR PLAN - UNIT D

Scale1/8" = 1'-0"

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1402 Freedom Rd Little Chute, WI 54140

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Project Number:
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Bid Date:
Client Title:
FIRST FLOOR PLAN- UNIT D

Sheet Number:
A1.D1

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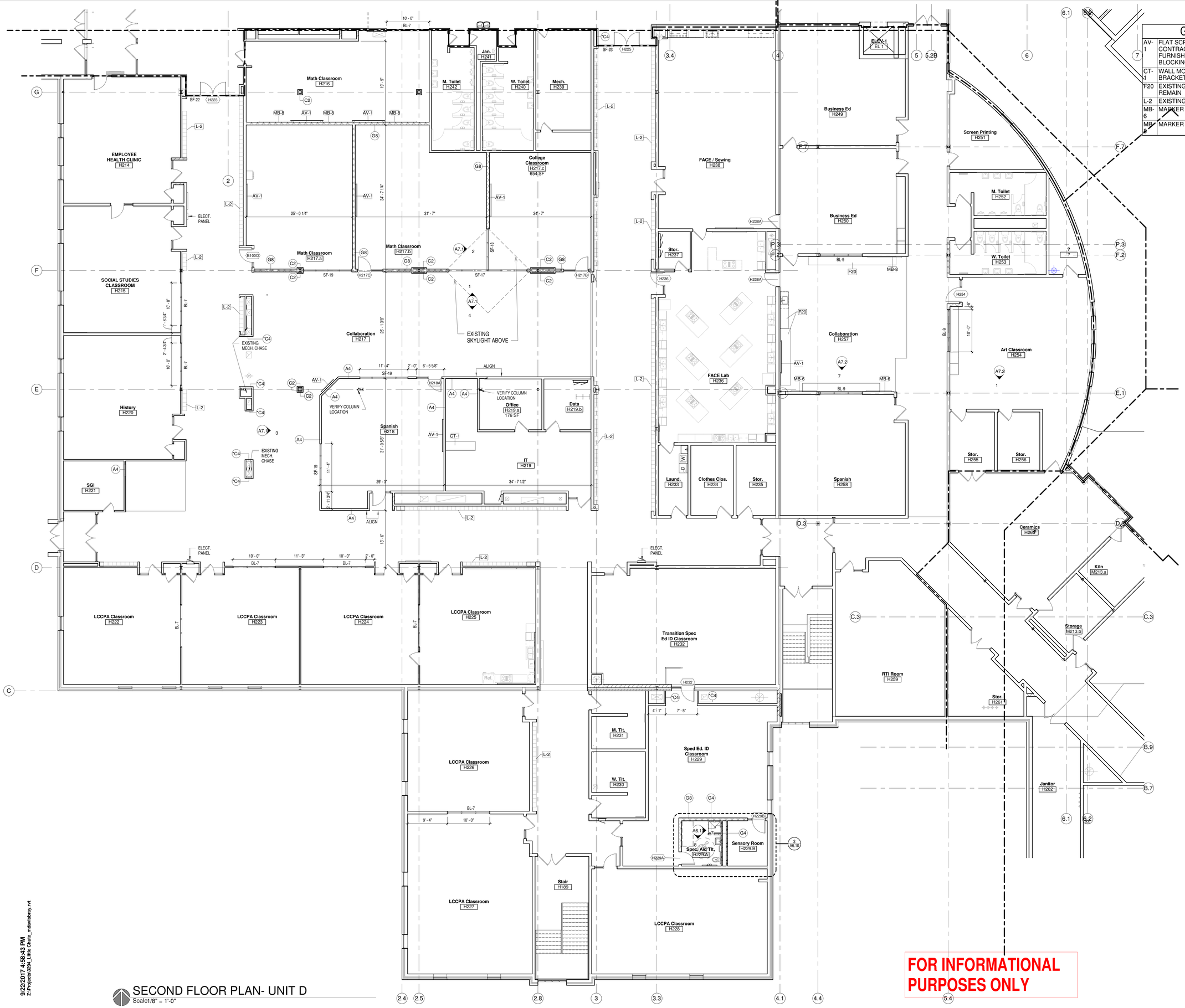

GENERAL NOTES

AV-1	FLAT SCREEN MONITOR, WALL MOUNTED, CONTRACTOR INSTALLED, OWNER FURNISHED. CONTRACTOR TO PROVIDE BLOCKING. SEE ELECTRICAL
CT-1	WALL MOUNTED COUNTER TOP ON METAL BRACKETS
F20	EXISTING CABINETS & COUNTER TOP TO REMAIN
L-2	EXISTING LOCKERS - PAINT (ALT. BID-)
MB-6	MARKER BOARD 6' x 6'
MB-8	MARKER BOARD 8' x 4'

SECOND FLOOR PLAN- UNIT D

Scale1/8" = 1'-0"

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Little Chute Area School District
1402 Freedom Rd Little Chute, WI 54140

REVISIONS:

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Project Number:
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Sheet Title:
SECOND FLOOR PLAN -UNIT D

Sheet Number:
A1.D2

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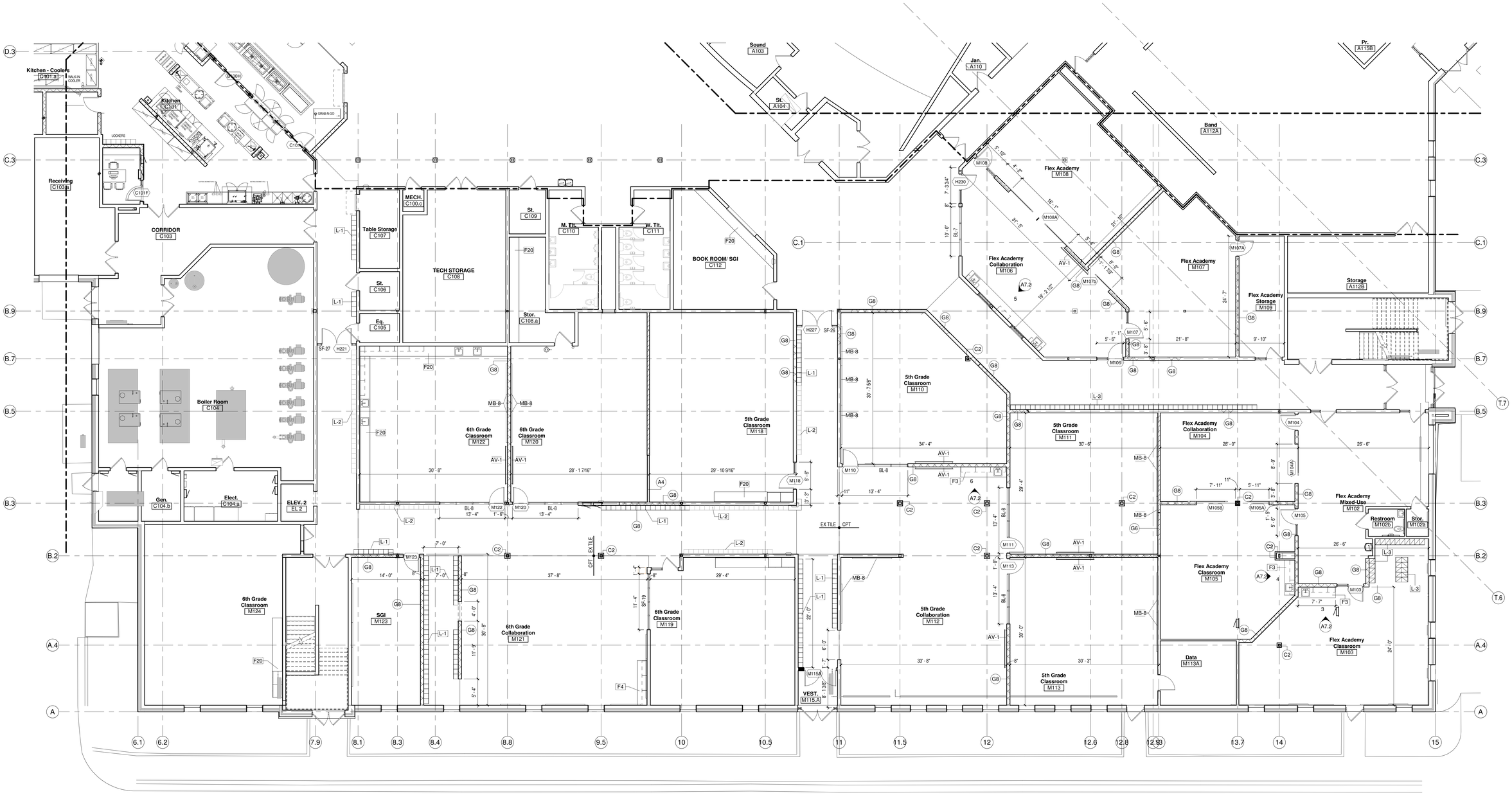
LOCKERS ADDED	211
LOCKERS TO REMAIN	93
TOTAL	304

GENERAL NOTES

AV-1	FLAT SCREEN MONITOR, WALL MOUNTED, CONTRACTOR INSTALLED, OWNER FURNISHED. CONTRACTOR TO PROVIDE BLOCKING. SEE ELECTRICAL.
F3	COUNTERTOP, CABINETS, & SINK
F4	COUNTERTOP, BASE, & WALL CABINETS
F20	EXISTING CABINETS & COUNTER TOP TO REMAIN
L-1	NEW LOCKERS
L-2	EXISTING LOCKERS - PAINT (ALT. BID-)
L-3	HALF HEIGHT LOCKERS
MB-8	MARKER BOARD 8' x 4'



FIRST FLOOR PLAN - UNIT E
Scale1/8" = 1'-0"

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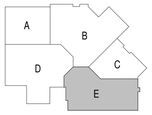

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Sheet Title:
FIRST FLOOR PLAN- UNIT E

Sheet Number:
A1.E1

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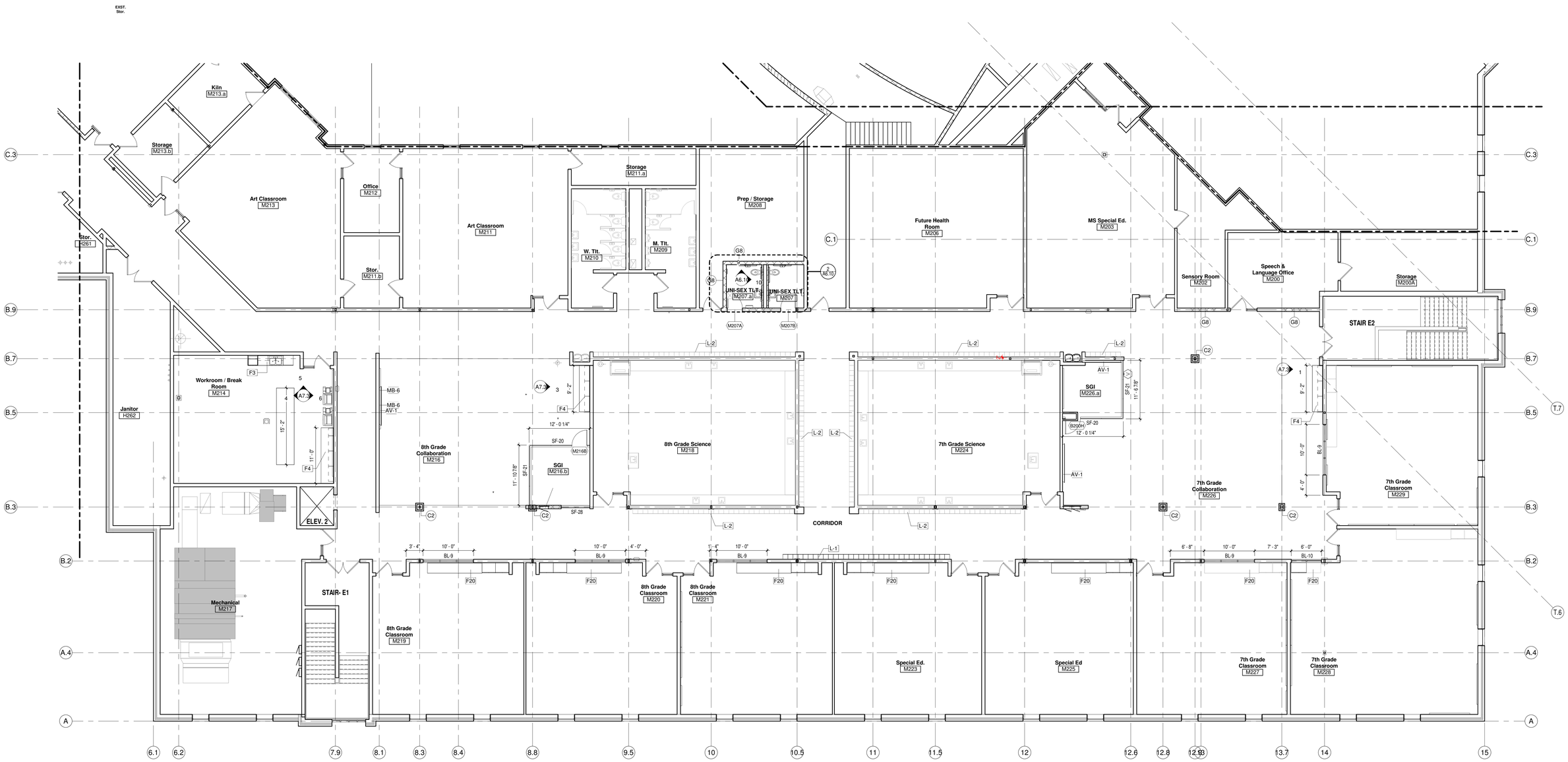
GENERAL NOTES	
AV-1	FLAT SCREEN MONITOR, WALL MOUNTED, CONTRACTOR INSTALLED, OWNER FURNISHED. CONTRACTOR TO PROVIDE BLOCKING. SEE ELECTRICAL
F3	COUNTERTOP, CABINETS, & SINK
F4	COUNTERTOP, BASE, & WALL CABINETS
F20	EXISTING CABINETS & COUNTER TOP TO REMAIN
L-1	NEW LOCKERS
L-2	EXISTING LOCKERS - PAINT (ALT. BID-)
MB-6	MARKER BOARD 6' x 6'

LOCKERS ADDED	33
LOCKERS TO REMAIN	219
TOTAL	252



SECOND FLOOR PLAN- UNIT E
Scale1/8" = 1'-0"

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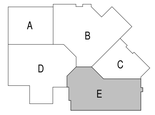

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PROGRESS SET

Sheet Title:
SECOND FLOOR PLAN -UNIT E

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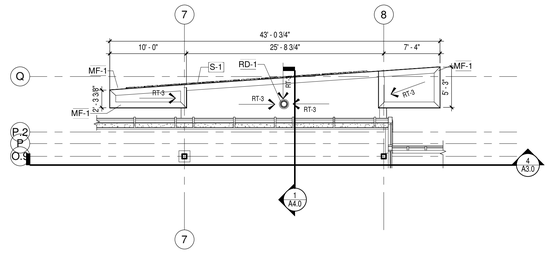
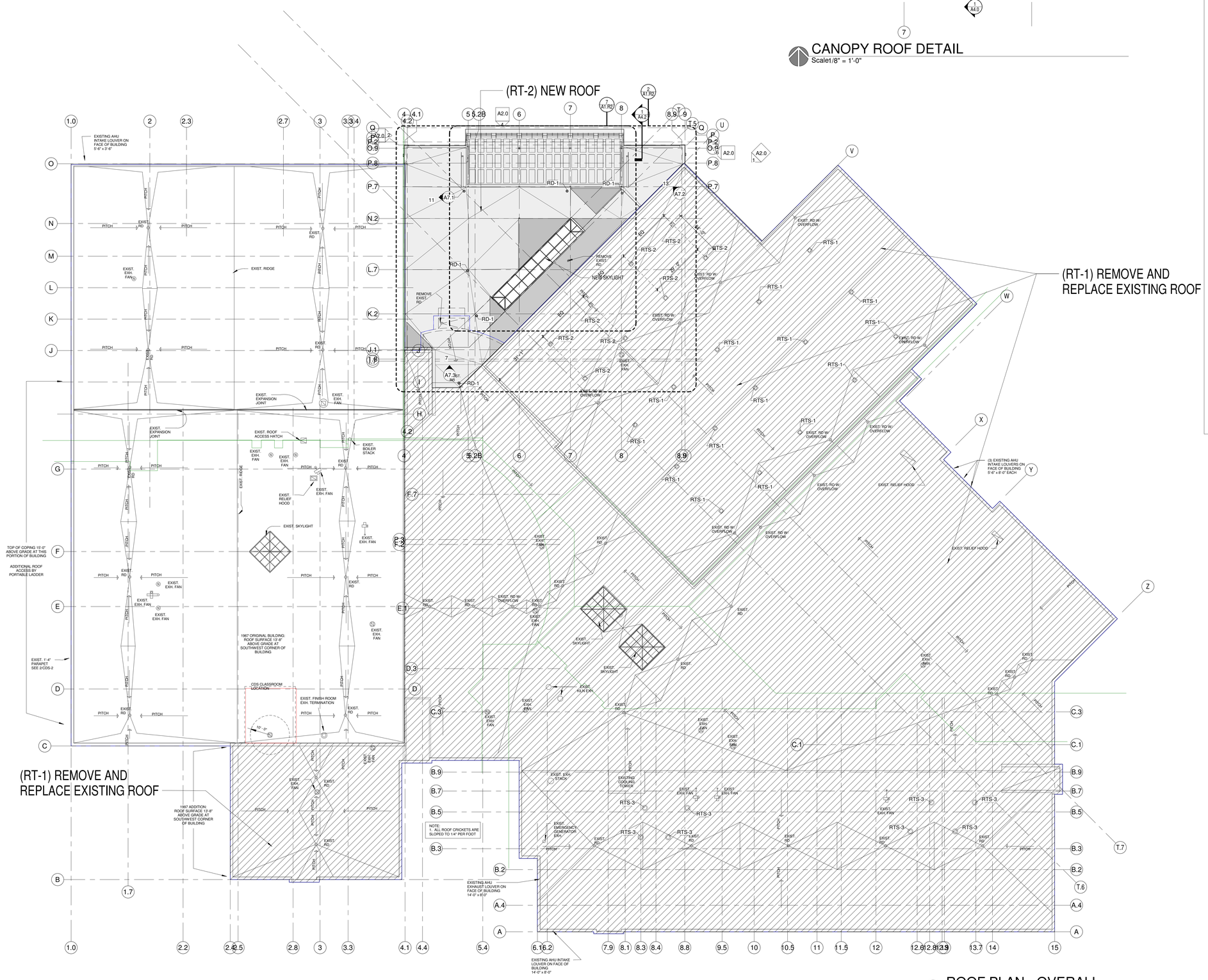


CANOPY ROOF DETAIL
Scale1/8" = 1'-0"



ROOF PLAN - OVERALL
Scale1" = 20'-0"

ROOFING LEGEND & NOTES

ROOF TYPE 1 (RT-1): TYPICAL
- MULTI-PLY FULLY ADHERED (WHITE) ROOF SYSTEM
- EXISTING INSULATION

ROOF TYPE 2 (RT-2):
- MULTI-PLY TORCH WELD (WHITE) ROOF SYSTEM
- 3/8" COVERBOARD
- 5" POLYISO INSULATION TOTAL MINIMUM OF 2 LAYERS. WITH STAGGERED JOINTS (TAPERED INSULATION AS SHOWN ON PLAN).
- METAL ROOF DECK, SEE STRUCTURAL DRAWINGS FOR SIZE & TYPE

ROOF TYPE 3 (RT-3):
- MULTI-PLY TORCH WELD (WHITE) ROOF SYSTEM
- 3/8" COVERBOARD
- 1" (MIN) POLYISO TAPERED INSULATION 1/4" PER FT. AS SHOWN ON PLAN).
- METAL ROOF DECK, SEE STRUCTURAL DRAWINGS FOR SIZE & TYPE

DENOTES TAPERED INSULATION; MAINTAIN 1/2" PER FOOT SLOPE TO DRAINS

1. ALL ROOF SLOPES TO BE MINIMUM 1/4" PER FOOT UNLESS NOTED OTHERWISE.
2. ALL ROOF TOP CURBS TO BE SADDLED WITH MINIMUM 1/2" PER FOOT PITCH.
3. NOT ALL ROOF PENETRATIONS ARE SHOWN. ROOFING CONTRACTOR TO VERIFY PENETRATIONS WITH ALL BUILDING TRADES.
4. SEE HVAC DRAWINGS FOR SIZES, QUANTITIES, LOCATIONS AND TYPES OF HVAC PENETRATIONS AND ROOF TOP MOUNTED EQUIPMENT.
5. SEE DETAIL 10/A1.R2 FOR VENT PIPE FLASHING DETAIL. VERIFY ALL LOCATIONS AND QUANTITIES W PLUMBING CONTRACTOR.
6. SEE DETAIL 3/A6.12 FOR CURB FLASHING DETAIL.
7. SEE DETAIL 8/A1.R2 FOR TYPICAL ROOF SADDLES.
8.
9. WOOD BLOCKING REQUIREMENTS:

   BOLTS ANCHORING WOOD NAILERS TO CMU SHALL BE 1/2" DIAMETER SPACED 4'-0" O.C. AT OUTSIDE CORNERS BOLTS SHALL BE 2'-0" O.C. FOR FIRST 8'-0" IN EACH DIRECTION FROM CORNER. ANCHOR BOLTS SHALL BE HOOKED AND EMBEDDED 8" IN CMU.

   LAG BOLTS ANCHORING WOOD NAILERS TO WOOD BLOCKING AT METAL STUDS SHALL BE 1/2" DIAMETER SPACED 4'-0" O.C. AT OUTSIDE BUILDING CORNERS BOLTS SHALL BE 2'-0" O.C. FOR THE FIRST 8'-0" IN EACH DIRECTION FROM THE CORNER.

   WOOD NAILERS DIRECTLY FASTENED TO THE METAL DECK SHALL BE WITH TWO ROWS OF NO. 10 GALVANIZED SHEET METAL SCREWS WITH 5/8" DIAMETER WASHERS. SPACING FOR EACH ROW SHALL BE 2'-0" O.C. WITH STAGGERED ROWS.

   NAILS USED TO SECURE WOOD NAILER TO ANOTHER WOOD NAILER SHALL BE LONG ENOUGH TO PENETRATE AS MINIMUM 1 1/4". NAILING FOR EACH OF TWO ROWS SHALL BE 2'-0" O.C. WITH STAGGERED ROWS.
10. PREFINISHED METAL FLASHING

    CONTINUOUS METAL RECEIVER AND COUNTERFLASHING
    - AT BRICK WALLS, METAL FLASHING TO BE A PREFINISHED METAL (COLOR TO BE SELECTED BY ARCHITECT)
    -

    ROOF COPING METAL
    - AT BRICK OVER GYP PARAPET LOCATIONS, METAL COPING TO BE A PREFINISHED METAL (COLOR TO BE SELECTED BY ARCHITECT)
    - AT METAL PANEL LOCATIONS , METAL COPING TO BE A PREFINISHED METAL (COLOR SELECTED BY ARCHITECT)
11. COORDINATE WITH HIGH AND LOW POINTS OF SLOPED STRUCTURE
12. PROVIDE AND INSTALL 5/8" GYPSUM BOARD THERMAL BARRIER AT AREAS WITH SPRAYED ON FIRE PROOFING AND/OR AT AREAS WITH ACOUSTICAL DECK AND AT ROOF SYSTEMS CALLING FOR 5/8" THERMAL BARRIER. (SEE STRUCTURAL DRAWINGS FOR LOCATIONS).

GENERAL NOTES

MF-1	PRE-FINISHED ALUMINUM ROOF EDGE - COLOR TO MATCH MP-1
RD-1	ROOF DRAIN
RTS-1	29" TUBULAR SKYLIGHTS (Gym) ALT. BID-1
RTS-2	29" TUBULAR SKYLIGHTS (Wrestling) ALT. BID-1
RTS-3	21" TUBULAR SKYLIGHTS AT EXISTING ROOF DECK - MIDDLE SCHOOL
S-1	RAISED CANISTER LETTERS

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ROOF PLAN- OVERALL

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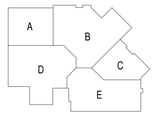

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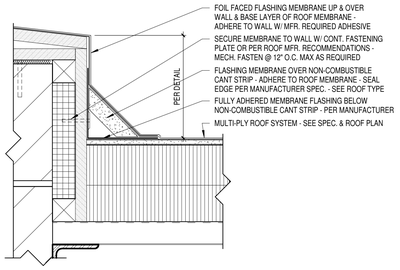
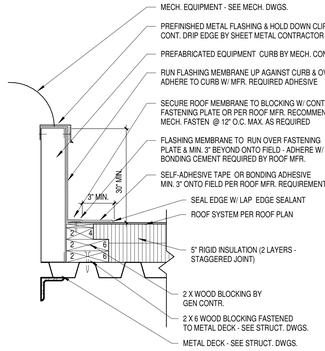
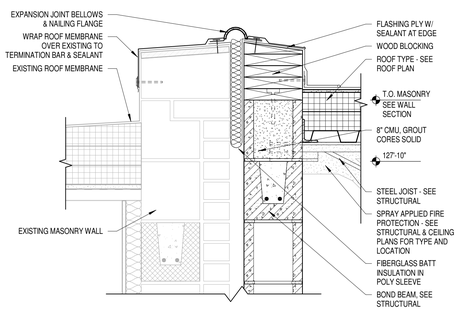


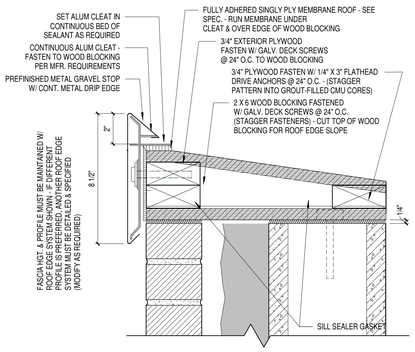
11 FOIL FACED FLASHING MEMBRANE
Scale 3" = 1'-0"



9 MECH. CURB FLASHING
Scale 1 1/2" = 1'-0"



6 ROOF EDGE AT NEW / EXISTING ROOF
Scale 1 1/2" = 1'-0"



4 ENLARGED LIGHT METAL ROOF EDGE
Scale 3" = 1'-0"

ROOFING LEGEND & NOTES

ROOF TYPE 1 (RT-1): TYPICAL
- MULTI-PLY FULLY ADHERED (WHITE) ROOF SYSTEM
- EXISTING INSULATION

ROOF TYPE 2 (RT-2):
- MULTI-PLY TORCH WELD (WHITE) ROOF SYSTEM
- 3/8" COVERBOARD
- 5" POLYISO INSULATION TOTAL, MINIMUM OF 2 LAYERS WITH STAGGERED JOINTS (TAPERED INSULATION AS SHOWN ON PLAN).
- METAL ROOF DECK, SEE STRUCTURAL DRAWINGS FOR SIZE & TYPE

ROOF TYPE 3 (RT-3):
- MULTI-PLY TORCH WELD (WHITE) ROOF SYSTEM
- 3/8" COVERBOARD
- 1" (MIN) POLYISO TAPERED INSULATION 1/4" PER FT. AS SHOWN ON PLAN).
- METAL ROOF DECK, SEE STRUCTURAL DRAWINGS FOR SIZE & TYPE

DENOTES TAPERED INSULATION; MAINTAIN 1/2" PER FOOT SLOPE TO DRAINS

1. ALL ROOF SLOPES TO BE MINIMUM 1/4" PER FOOT UNLESS NOTED OTHERWISE.
2. ALL ROOF TOP CURBS TO BE SADDLED WITH MINIMUM 1/2" PER FOOT PITCH
3. NOT ALL ROOF PENETRATIONS ARE SHOWN. ROOFING CONTRACTOR TO VERIFY PENETRATIONS WITH ALL BUILDING TRADES.
4. SEE HVAC DRAWINGS FOR SIZES, QUANTITIES, LOCATIONS AND TYPES OF HVAC PENETRATIONS AND ROOF TOP MOUNTED EQUIPMENT.
5. SEE DETAIL 10/A1.R2 FOR VENT PIPE FLASHING DETAIL. VERIFY ALL LOCATIONS AND QUANTITIES W/ PLUMBING CONTRACTOR.
6. SEE DETAIL 3/A6.12 FOR CURB FLASHING DETAIL.
7. SEE DETAIL 8/A1.R2 FOR TYPICAL ROOF SADDLES.
8.
9. WOOD BLOCKING REQUIREMENTS:

   BOLTS ANCHORING WOOD NAILERS TO CMU SHALL BE 1/2" DIAMETER SPACED 4'-0" O.C. AT OUTSIDE CORNERS BOLTS SHALL BE 2'-0" O.C. FOR FIRST 8'-0" IN EACH DIRECTION FROM CORNER. ANCHOR BOLTS SHALL BE HOOKED AND EMBEDDED 6" IN CMU.

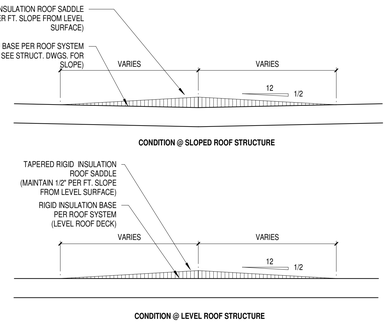
   LAG BOLTS ANCHORING WOOD NAILERS TO WOOD BLOCKING AT METAL STUDS SHALL BE 1/2" DIAMETER SPACED 4'-0" O.C. AT OUTSIDE BUILDING CORNERS BOLTS SHALL BE 2'-0" O.C. FOR THE FIRST 8'-0" IN EACH DIRECTION FROM THE CORNER.

   WOOD NAILERS DIRECTLY FASTENED TO THE METAL DECK SHALL BE WITH TWO ROWS OF NO. 10 GALVANIZED SHEET METAL SCREWS WITH 5/8" DIAMETER WASHERS. SPACING FOR EACH ROW SHALL BE 2'-0" O.C. WITH STAGGERED ROWS.

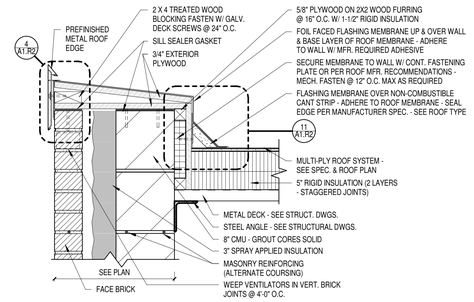
   NAILS USED TO SECURE WOOD NAILER TO ANOTHER WOOD NAILER SHALL BE LONG ENOUGH TO PENETRATE AS MINIMUM 1 1/4". NAILING FOR EACH OF TWO ROWS SHALL BE 2'-0" O.C. WITH STAGGERED ROWS.
10. PREFINISHED METAL FLASHING

    CONTINUOUS METAL RECEIVER AND COUNTERFLASHING
    - AT BRICK WALLS, METAL FLASHING TO BE A PREFINISHED METAL (COLOR TO BE SELECTED BY ARCHITECT)
    -
    ROOF COPING METAL
    - AT BRICK OVER GYP PARAPET LOCATIONS, METAL COPING TO BE A PREFINISHED METAL (COLOR TO BE SELECTED BY ARCHITECT)
    - AT METAL PANEL LOCATIONS , METAL COPING TO BE A PREFINISHED METAL (COLOR SELECTED BY ARCHITECT)
11. COORDINATE WITH HIGH AND LOW POINTS OF SLOPED STRUCTURE
12. PROVIDE AND INSTALL 5/8" GYPSUM BOARD THERMAL BARRIER AT AREAS WITH SPRAYED ON FIRE PROOFING AND/OR AT AREAS WITH ACOUSTICAL DECK AND AT ROOF SYSTEMS CALLING FOR 5/8" THERMAL BARRIER. (SEE STRUCTURAL DRAWINGS FOR LOCATIONS).

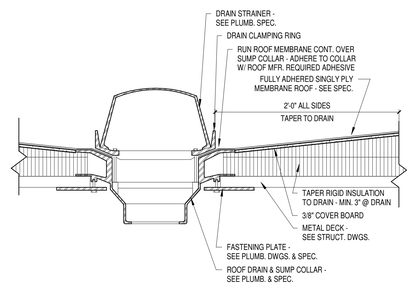
10 ROOF VENT FLASHING DETAIL
Scale 1 1/2" = 1'-0"



8 TYP. ROOF SADDLE
Scale 3/4" = 1'-0"



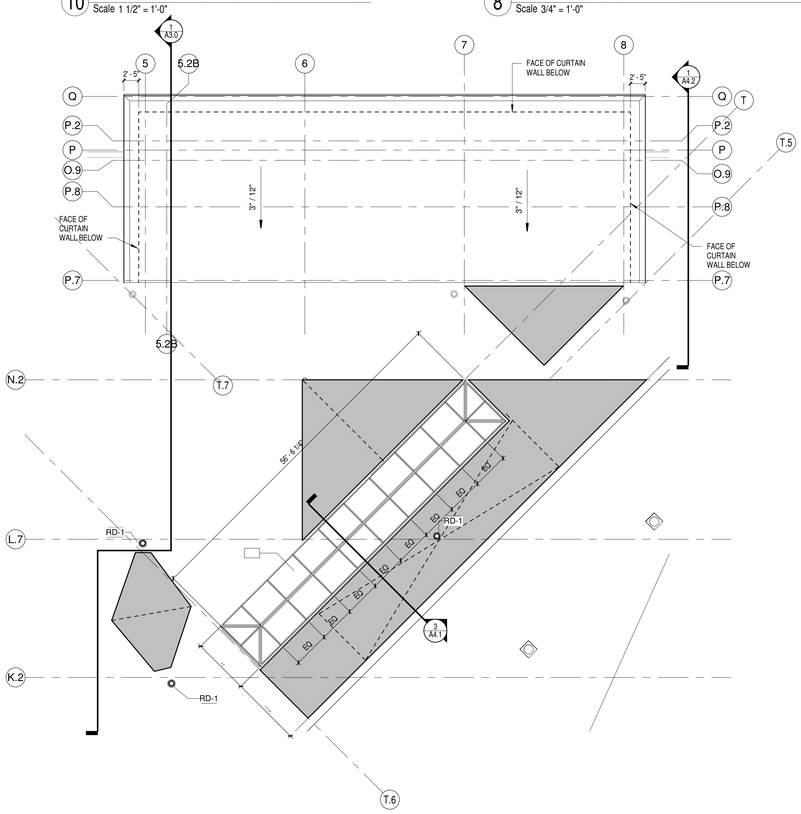
5 LIGHT METAL ROOF EDGE - NON BEARING
Scale 1 1/2" = 1'-0"



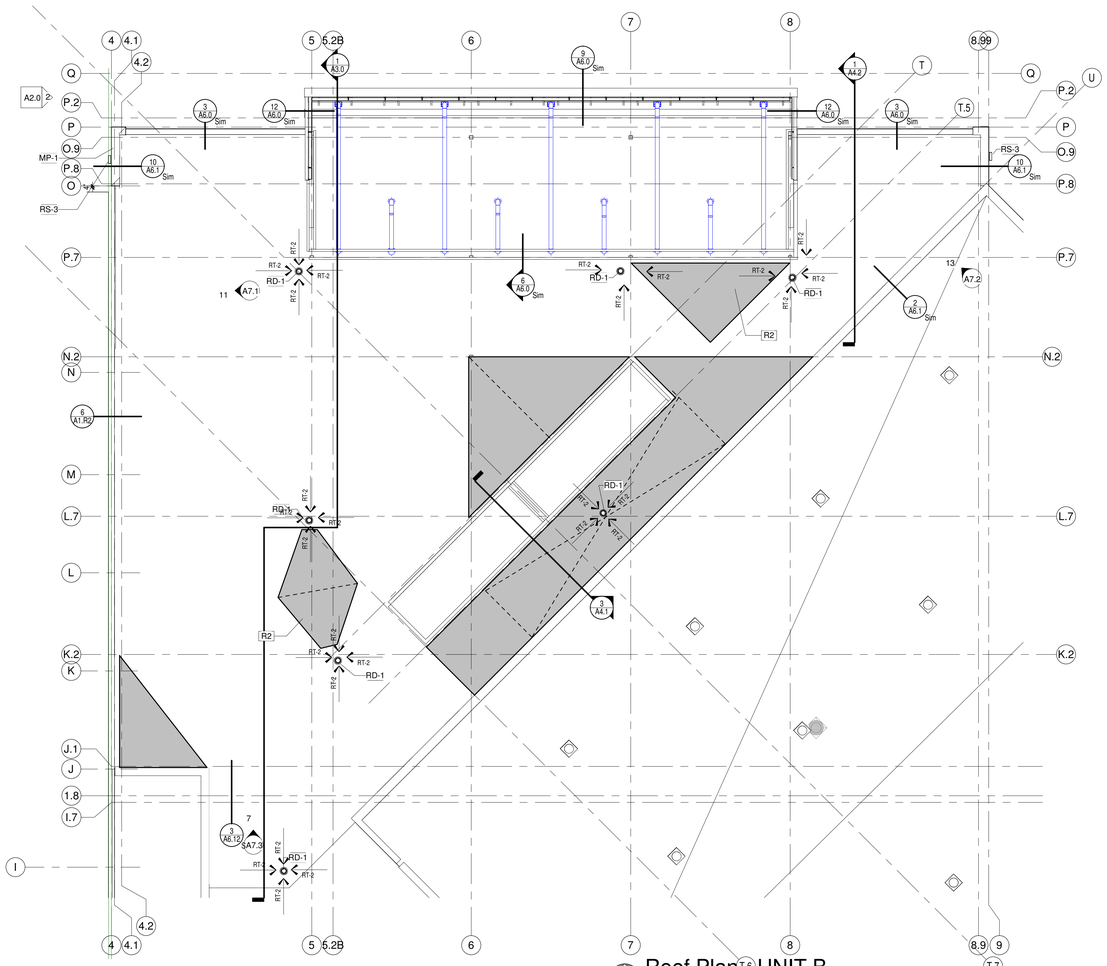
3 TYPICAL ROOF DRAIN
Scale 1 1/2" = 1'-0"

GENERAL NOTES

MP-1	FLUSH METAL PANEL, PAINTED METAL 1" PROFILE ALUMINUM PANEL
R2	CRICKET - PROVIDE ROOF SLOPE AT A MIN OF 1/4" PER 1'-0" OF RUN FOR ENTIRE AREA OF CRIKET TO ROOF DRAIN AS INDICATED
RD-1	ROOF DRAIN
RS-3	PRE-FINISHED METAL THRU WALL SCUPPER UNIT



Roof Plan - UNIT B UPPER ROOF
Scale1" = 10'-0"



Roof Plan - UNIT B
Scale1" = 10'-0"

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Sheet Title:
ROOF PLAN UNIT B & DETAILS

Sheet Number:
A1.R2

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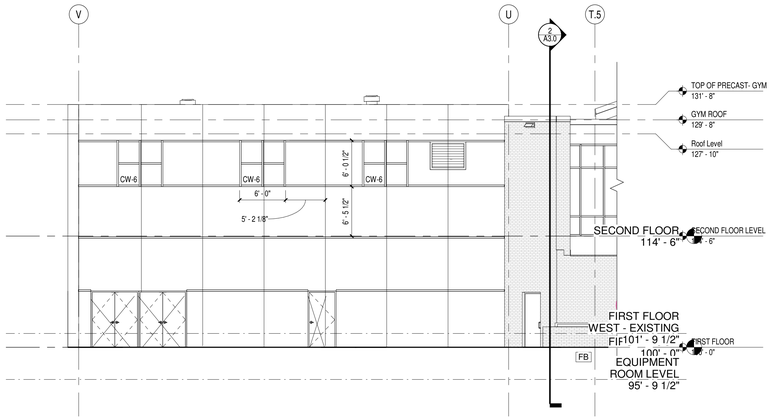
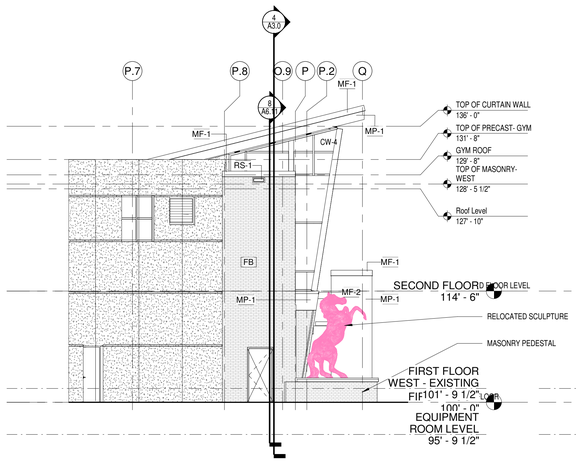
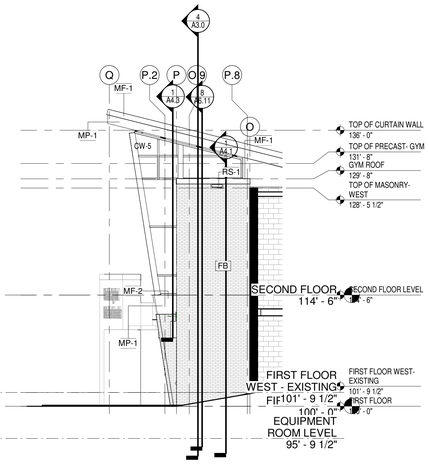


1 North Elevation @ Existing Gym
Scale 1/8" = 1'-0"

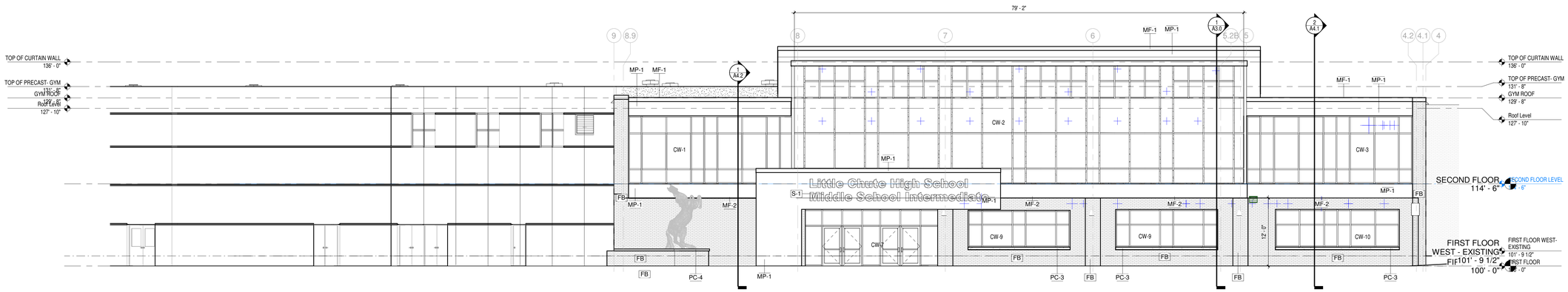


6 East Elevation- UNIT B
Scale 1/8" = 1'-0"



2 West Elevation- Unit B
Scale 1/8" = 1'-0"

GENERAL NOTES	
FB	FACE BRICK - MATCH EXISTING HIGH SCHOOL
MF-1	PRE-FINISHED ALUMINUM ROOF EDGE - COLOR TO MATCH MP-1
MF-2	PRE-FINISHED ALUMINUM FLASHING - COLOR TO MATCH MP-1
MP-1	FLUSH METAL PANEL, PAINTED METAL 1" PROFILE ALUMINUM PANEL
PC-3	CAST STONE WINDOW SILL
PC-4	CAST STONE WALL CAP
RS-1	PRE-FINISHED METAL THRU-WALL SCUPPER
S-1	RAISED CANISTER LETTERS



4 North Elevation- Unit B
Scale 1/8" = 1'-0"

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EXTERIOR ELEVATIONS

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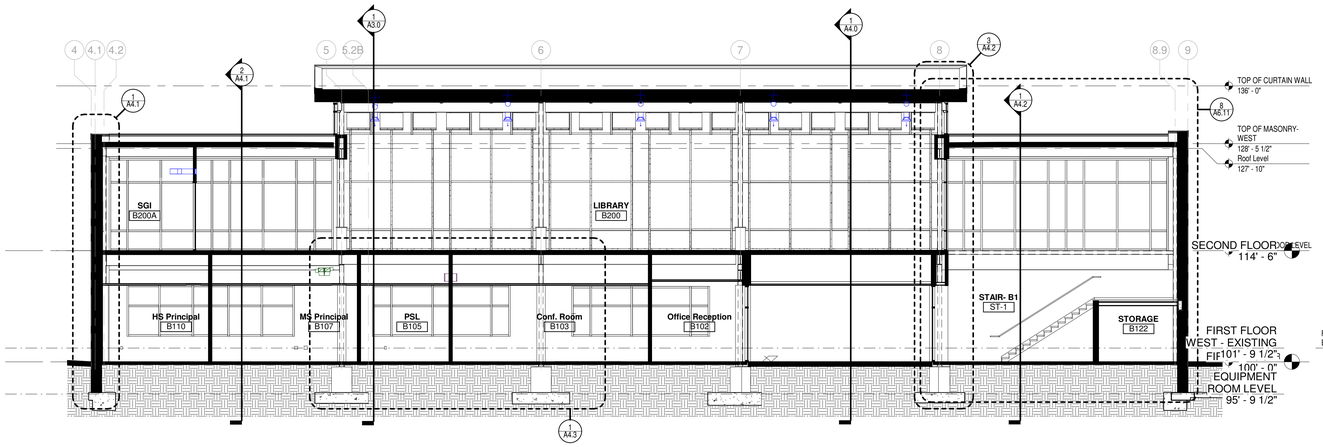
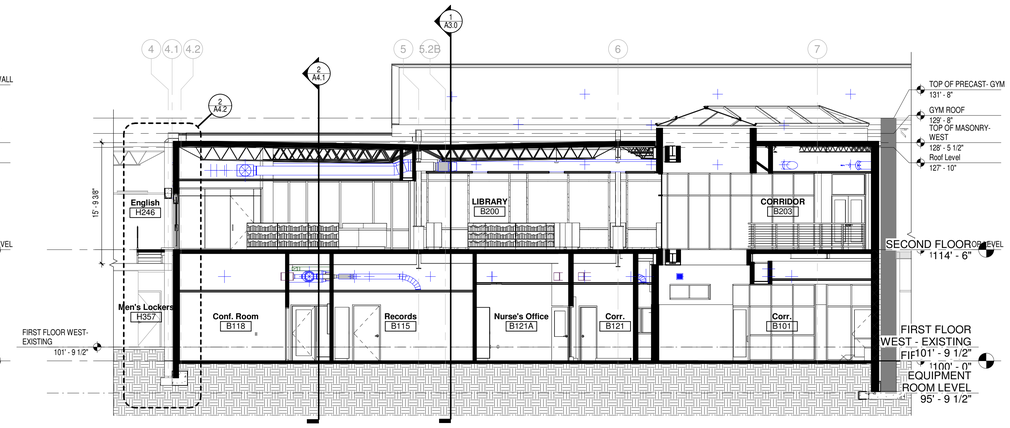
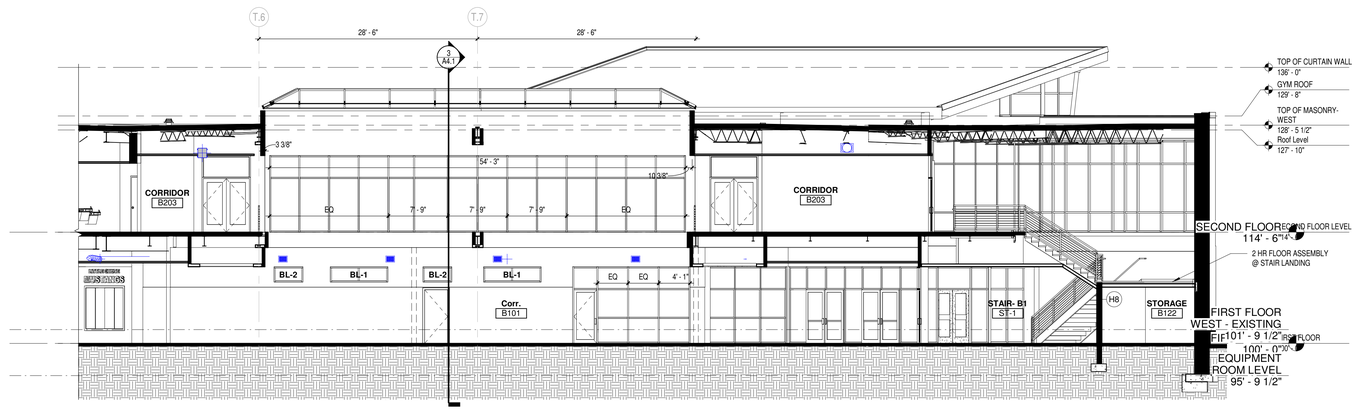


4 BUILDING SECTION @ LIBRARY LOOKING NORTH
Scale 1/8" = 1'-0"



3 BUILDING SECTION- NEW ADDITION LOOKING NORTH
Scale 1/8" = 1'-0"



2 BUILDING SECTION @ MAIN CORRIDOR
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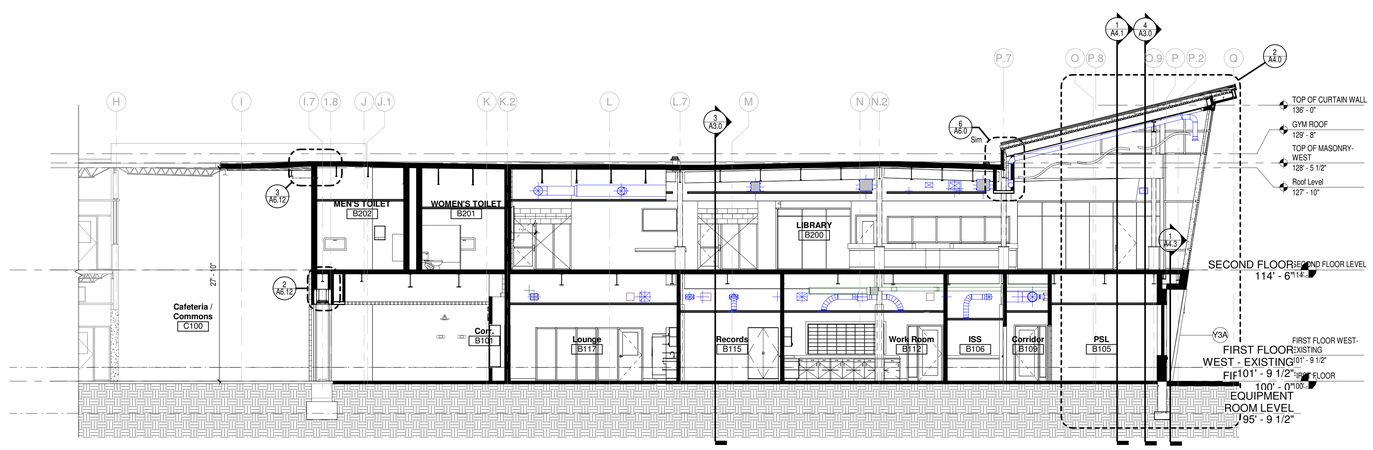

1 BUILDING SECTION @ LIBRARY
Scale 1/8" = 1'-0"

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BUILDING SECTIONS

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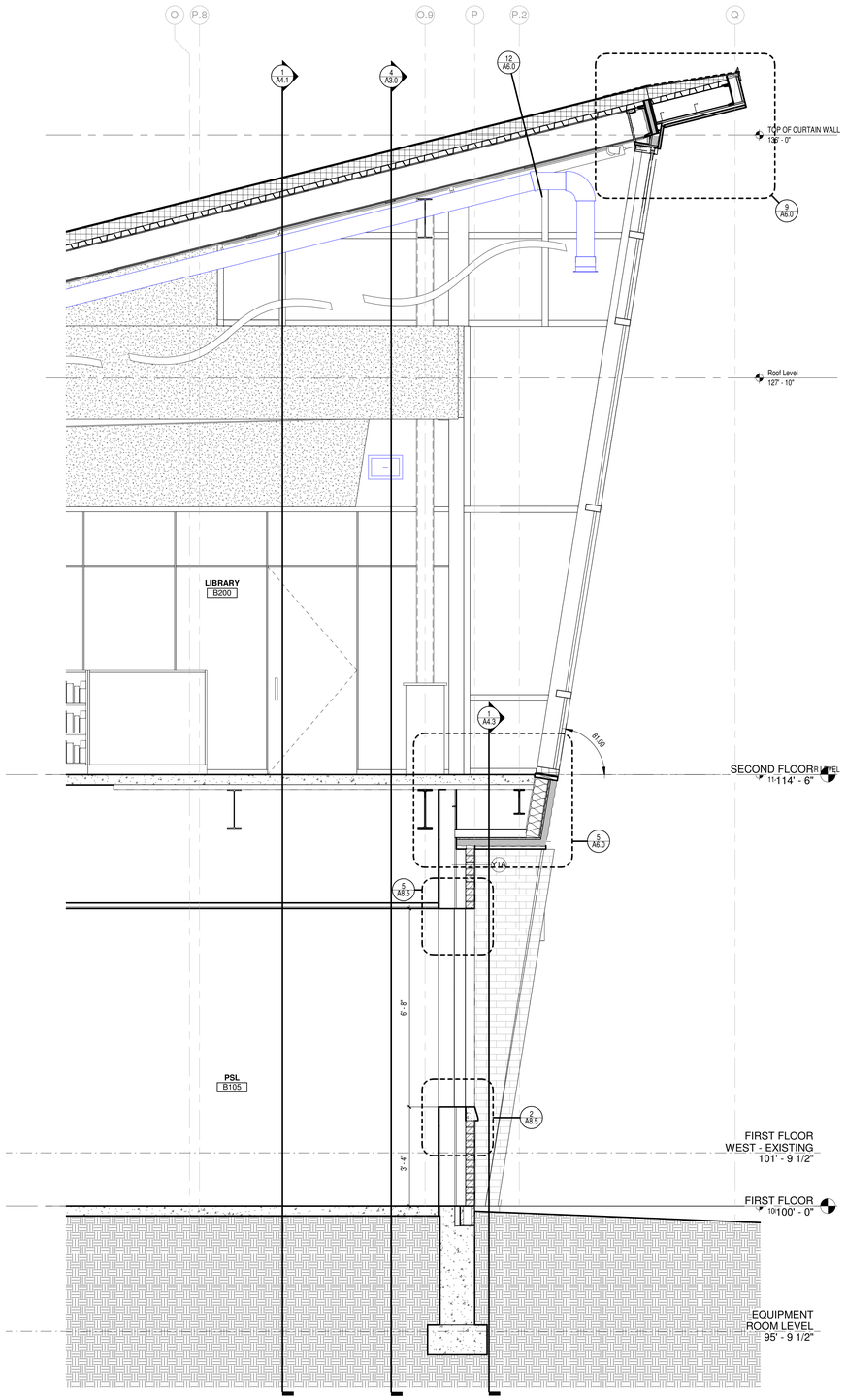
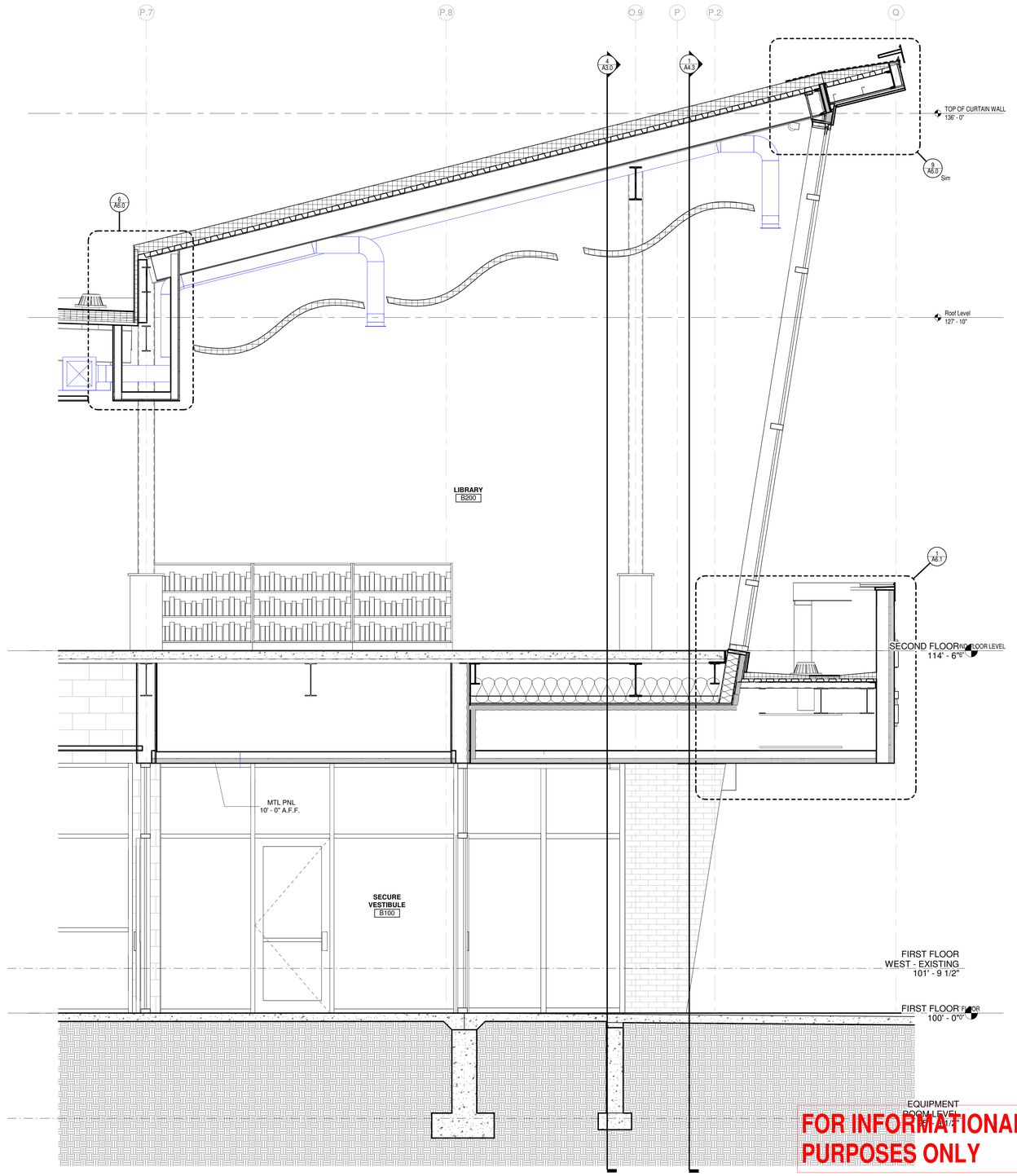


2 WALL SECTION @ NORTH WALL- LIBRARY
Scale 1/2" = 1'-0"



1 WALL SECTION @ ENTRY VESTIBULE
Scale 1/2" = 1'-0"

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WALL SECTIONS

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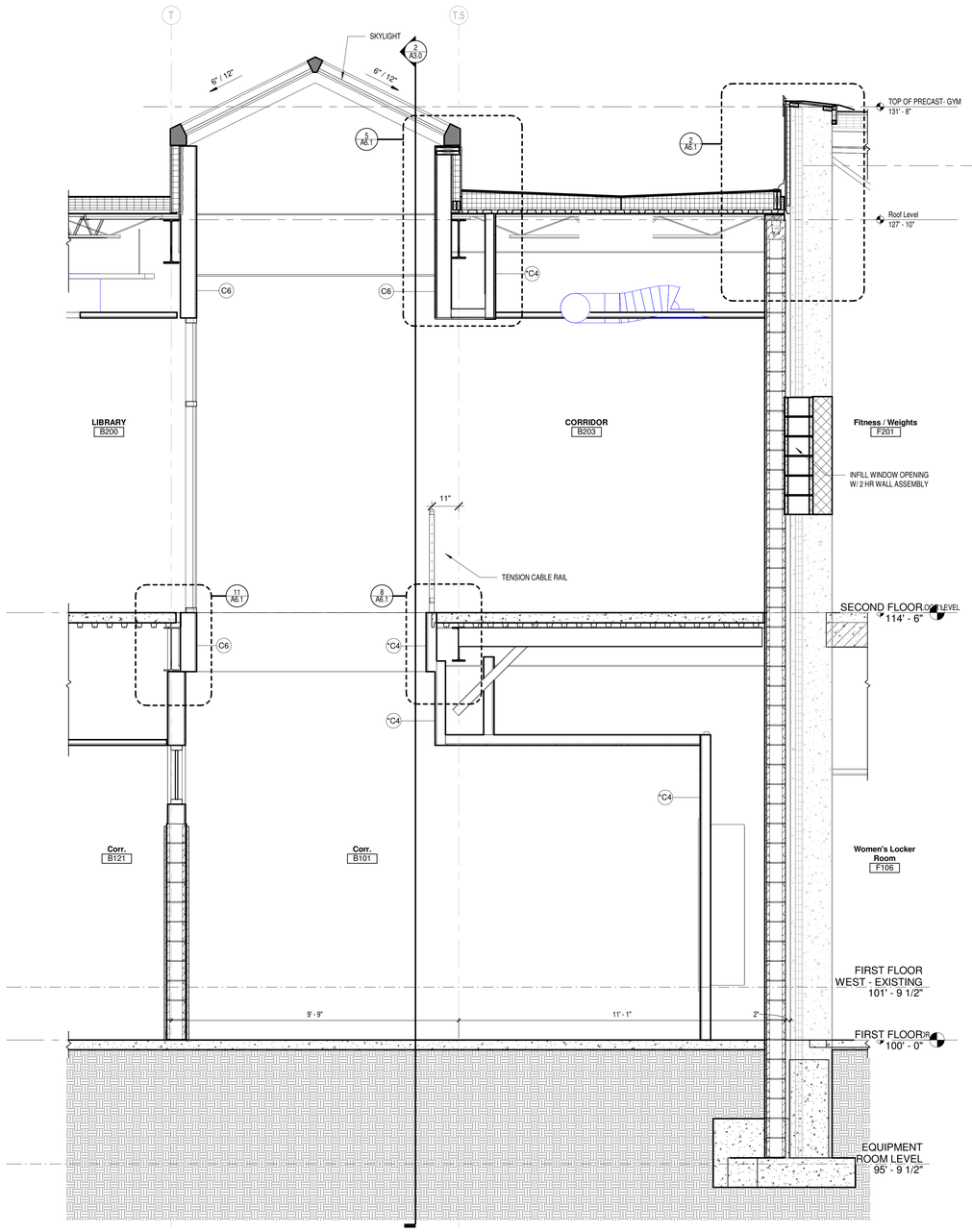
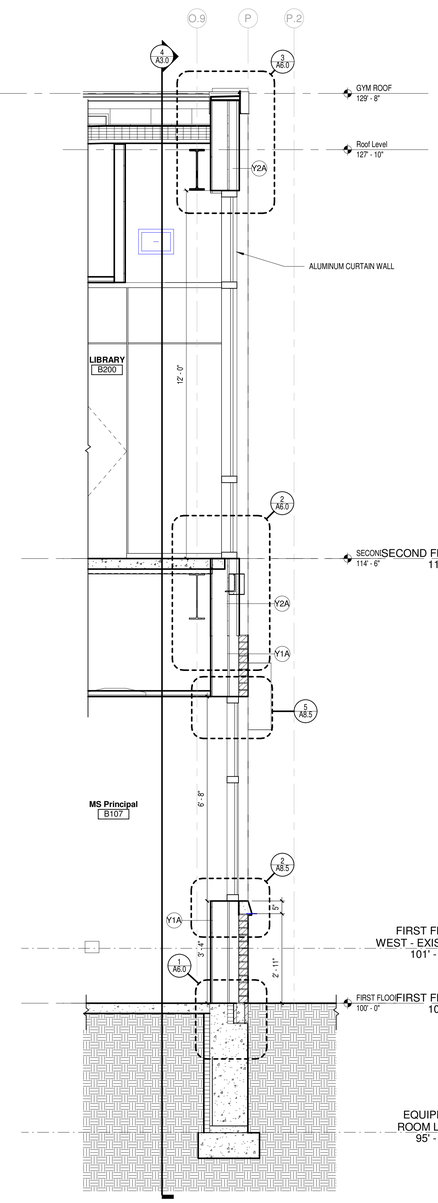
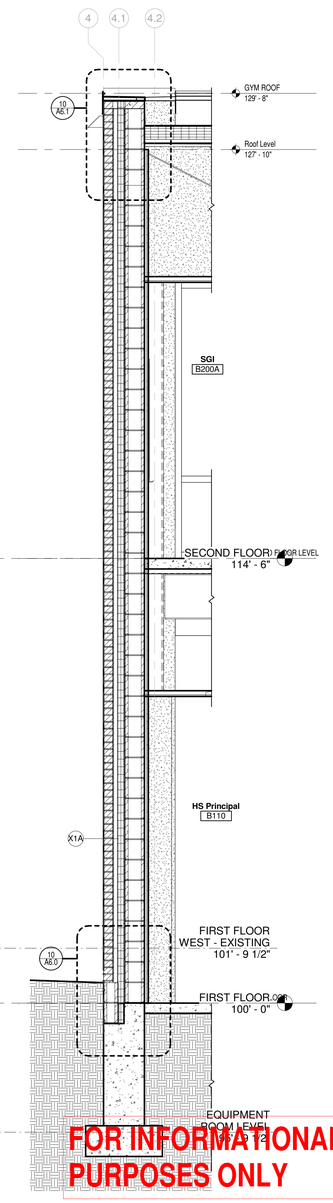


3 SECTION @ CORRIDOR LIGHT WELL
Scale 1/2" = 1'-0"



2 WALL SECTION @ NEW ADDITION- NORTH WALL
Scale 1/2" = 1'-0"



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1 WALL SECTION @ NORTH WEST CORNER
Scale 1/2" = 1'-0"

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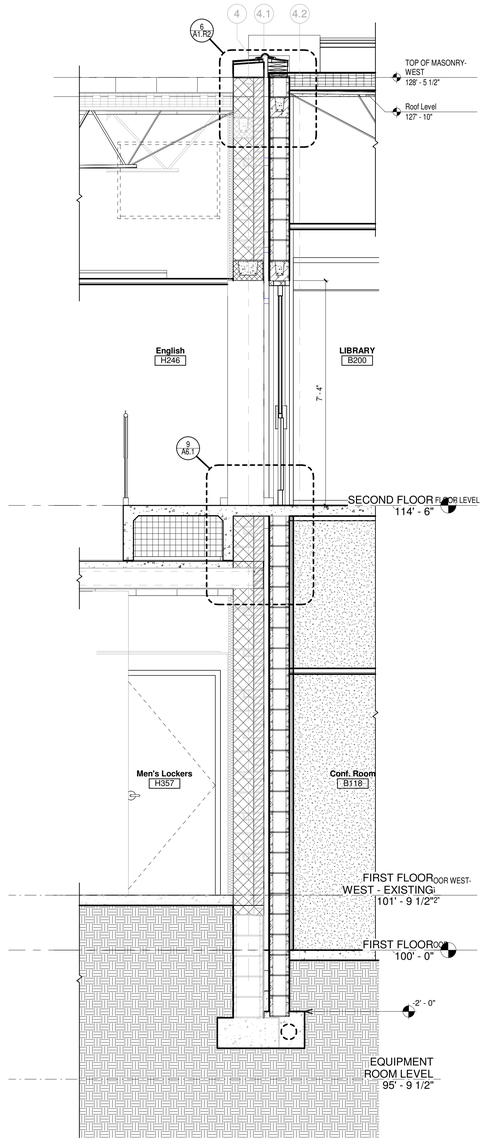

2 WALL SECTION @ EXISTING
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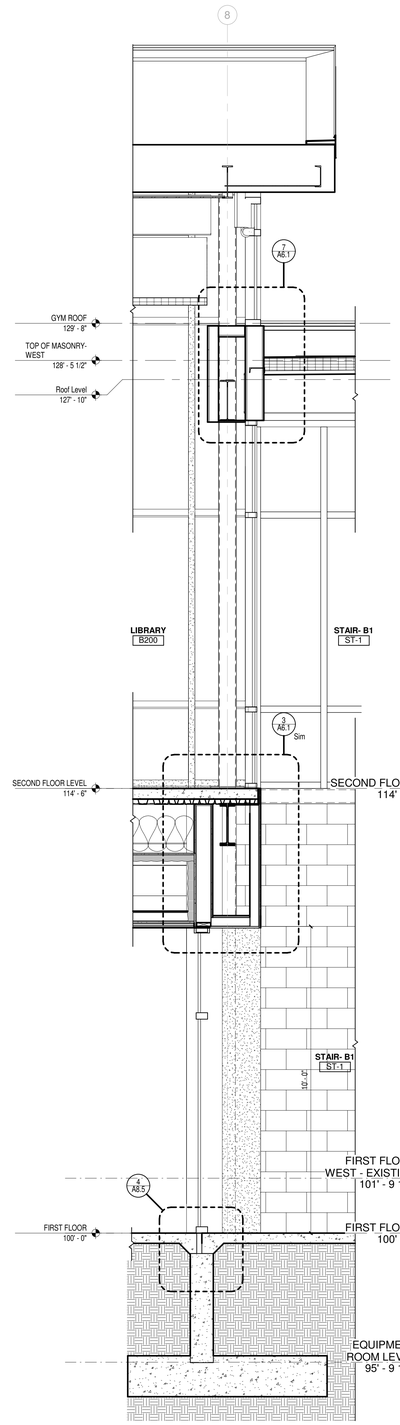
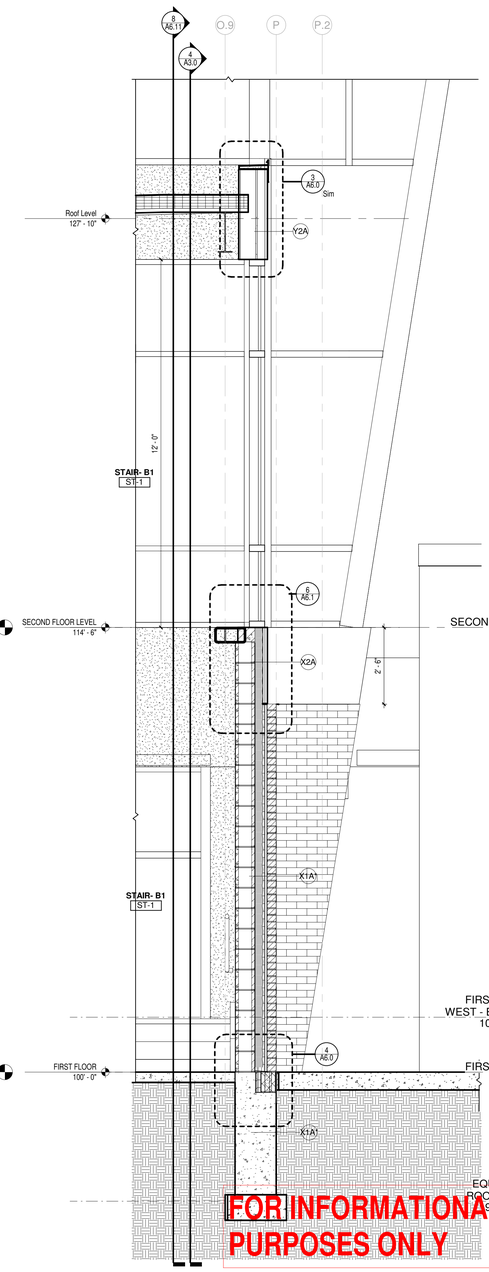


3 WALL SECTION @ STAIR/ VESTIBULE
Scale 1/2" = 1'-0"



1 WALL SECTION @ STAIR
Scale 1/2" = 1'-0"

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WALLS SECTIONS

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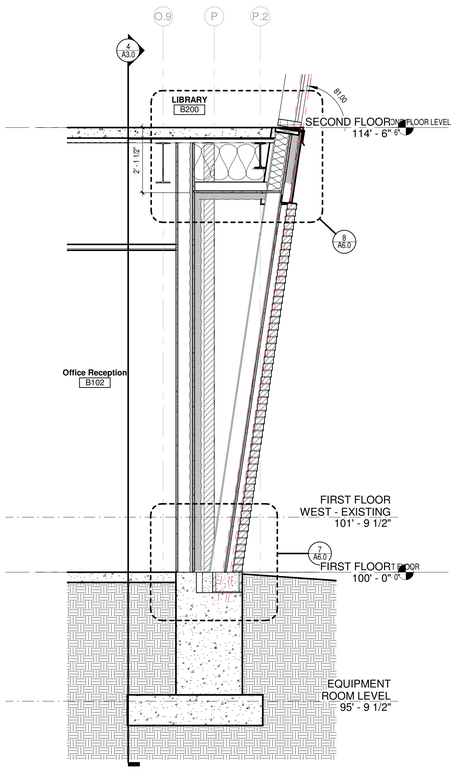
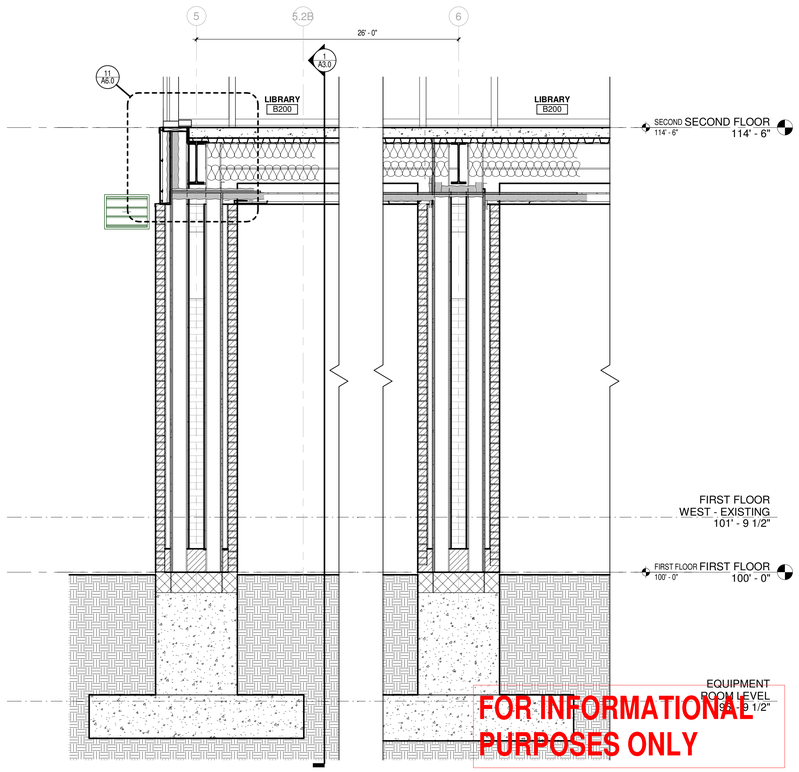


2 WALL SECTION @ MASONRY PIER- CURTAIN WALL SILL
Scale 1/2" = 1'-0"



1 BUILDING SECTION @ NORTH PIER
Scale 1/2" = 1'-0"

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Sheet Title:
WALL SECTIONS

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FIRST FLOOR RCP UNIT D

Scale1/16" = 1'-0"

GENERAL CEILING PLAN NOTES:

1. COORDINATE WITH MECHANICAL, PLUMBING, FIRE PROTECTION, AND ELECTRICAL THE EXACT LOCATIONS OF CEILING FIXTURES DIFFUSERS, SPRINKLER HEADS, ETC.
2. SPRINKLER HEADS, RECESSED LIGHT FIXTURES, SPEAKERS, EXIT LIGHTS, SMOKE DETECTORS, ETC. TO BE LOCATED IN EXACT CENTER OF 2x2 CEILING TILES.
3. WHEN GRID LAYOUT RESULTS IN A CEILING TILE OF LESS THAN 3 INCHES FOR THE LENGTH OR WIDTH OF A ROOM, OMIT RUNNER NEAREST WALL AND CUT FULL TILE TO WIDTH NEEDED.
4. SHOWER CEILINGS TO BE DIRECT-APPLIED INTERIOR FINISH SYSTEM (I.F.S.) - SEE SPEC. SECTION 07 24 10.
5. VERIFY CLEARANCES OF OVERHEAD DOORS WITH POTENTIAL HVAC, ELECTRICAL PLUMBING AND FIRE PROTECTION CONFLICTS.
6. PROVIDE SHEET METAL EDGE TRIM AT ALL LAY-IN CEILING CLOUDS - SEE SPEC
7. ALL GYP. BOARD CEILINGS AND SOFFITS TO BE PAINTED AS NOTED.
8. ALL EXPOSED DECK, STRUCTURE, DUCTWORK, & PIPING TO BE PAINTED PT-1, UNLESS NOTES OTHERWISE. SEE FINISH SCHEDULE.
9. ABOVE LAY-IN, MODULAR, & GYP. BOARD CEILING CLOUDS, ALL EXPOSED DECK, STRUCTURE, DUCTWORK, & PIPING TO BE PAINTED PT-12, U.N.O. - WALL PAINT TO EXTEND UP TO UNDERSIDE OF DECK AT LOCATIONS WITH CEILING CLOUDS, TYPICAL.
10. PAINT COLOR CALLED OUT ON GYPSUM CEILINGS AND SOFFITS TO WRAP EDGES UNLESS OTHERWISE NOTED.

CEILING PLAN LEGEND:

- SUSPENDED 1x4 FLUORESCENT LIGHT FIXTURE
- SUSPENDED 2x4 FLUORESCENT LIGHT FIXTURE
- LAY-IN 1x4 FLUORESCENT LIGHT FIXTURE
- LAY-IN 2x4 FLUORESCENT LIGHT FIXTURE
- SUSPENDED, LINEAL, DIRECT-INDIRECT FLUORESCENT FIXTURE
- RECESSED ROUND CAN LIGHT FIXTURE
- RECESSED SQUARE CAN LIGHT FIXTURE
- HVAC SUPPLY VENT
- HVAC RETURN VENT
- CEILING MOUNTED OVERHEAD PROJECTOR W/PLATE
- PYRAMIDAL DIFFUSER (CEILING TYPE AT-4, SEE SPEC)

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FIRST FLOOR RCP NEW OVERALL

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SECOND FLOOR RCP- UNIT A

Scale1/16" = 1'-0"

GENERAL CEILING PLAN NOTES:

1. COORDINATE WITH MECHANICAL, PLUMBING, FIRE PROTECTION, AND ELECTRICAL THE EXACT LOCATIONS OF CEILING FIXTURES DIFFUSERS, SPRINKLER HEADS, ETC.
2. SPRINKLER HEADS, RECESSED LIGHT FIXTURES, SPEAKERS, EXIT LIGHTS, SMOKE DETECTORS, ETC. TO BE LOCATED IN EXACT CENTER OF 2x2 CEILING TILES.
3. WHEN GRID LAYOUT RESULTS IN A CEILING TILE OF LESS THAN 3 INCHES FOR THE LENGTH OR WIDTH OF A ROOM, OMIT RUNNER NEAREST WALL AND CUT FULL TILE TO WIDTH NEEDED.
4. SHOWER CEILINGS TO BE DIRECT-APPLIED INTERIOR FINISH SYSTEM (I.F.S.) - SEE SPEC. SECTION 07 24 10.
5. VERIFY CLEARANCES OF OVERHEAD DOORS WITH POTENTIAL HVAC, ELECTRICAL PLUMBING AND FIRE PROTECTION CONFLICTS.
6. PROVIDE SHEET METAL EDGE TRIM AT ALL LAY-IN CEILING CLOUDS - SEE SPEC
7. ALL GYP. BOARD CEILINGS AND SOFFITS TO BE PAINTED AS NOTED.
8. ALL EXPOSED DECK, STRUCTURE, DUCTWORK, & PIPING TO BE PAINTED PT-1, UNLESS NOTES OTHERWISE. SEE FINISH SCHEDULE.
9. ABOVE LAY-IN, MODULAR, & GYP. BOARD CEILING CLOUDS, ALL EXPOSED DECK, STRUCTURE, DUCTWORK, & PIPING TO BE PAINTED PT-12, U.N.O. - WALL PAINT TO EXTEND UP TO UNDERSIDE OF DECK AT LOCATIONS WITH CEILING CLOUDS, TYPICAL.
10. PAINT COLOR CALLED OUT ON GYPSUM CEILINGS AND SOFFITS TO WRAP EDGES UNLESS OTHERWISE NOTED.

CEILING PLAN LEGEND:

- SUSPENDED 1x4 FLUORESCENT LIGHT FIXTURE
- SUSPENDED 2x4 FLUORESCENT LIGHT FIXTURE
- LAY-IN 1x4 FLUORESCENT LIGHT FIXTURE
- LAY-IN 2x4 FLUORESCENT LIGHT FIXTURE
- SUSPENDED, LINEAL, DIRECT-INDIRECT FLUORESCENT FIXTURE
- RECESSED ROUND CAN LIGHT FIXTURE
- RECESSED SQUARE CAN LIGHT FIXTURE
- HVAC SUPPLY VENT
- HVAC RETURN VENT
- CEILING MOUNTED OVERHEAD PROJECTOR W/PLATE
- PYRAMIDAL DIFFUSER (CEILING TYPE AT-4, SEE SPEC)

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Issued For:
BID PACKAGE- 2 PROGRESS SET

Sheet Title:
SECOND FLOOR RCP NEW OVERALL

Sheet Number:
A5.2

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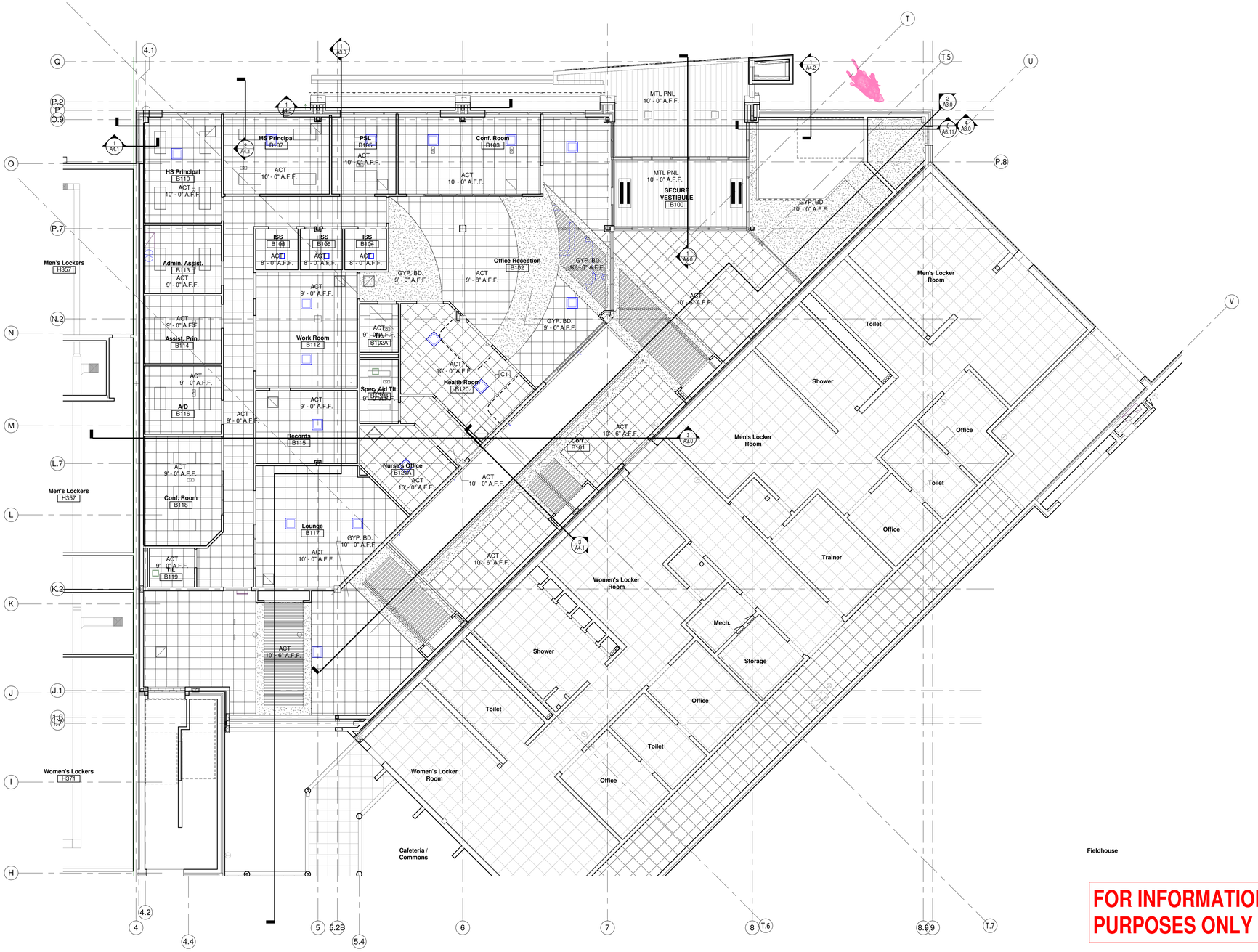
GENERAL NOTES	
C1	PRIVACY CURTAIN



FIRST FLOOR RCP UNIT B
Scale1/8" = 1'-0"

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Project Title:
ADDITION AND RENOVATION TO
LITTLE CHUTE HIGH/ MIDDLE/ INTERMEDIATE SCHOOL
Little Chute Area School District
1402 Freedom Rd Little Chute, WI 54140

REVISIONS:

#	DATE	DESCRIPTION

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Sheet Title:
REFLECTED CEILING PLAN UNIT-B

Sheet Number:
A5.B1

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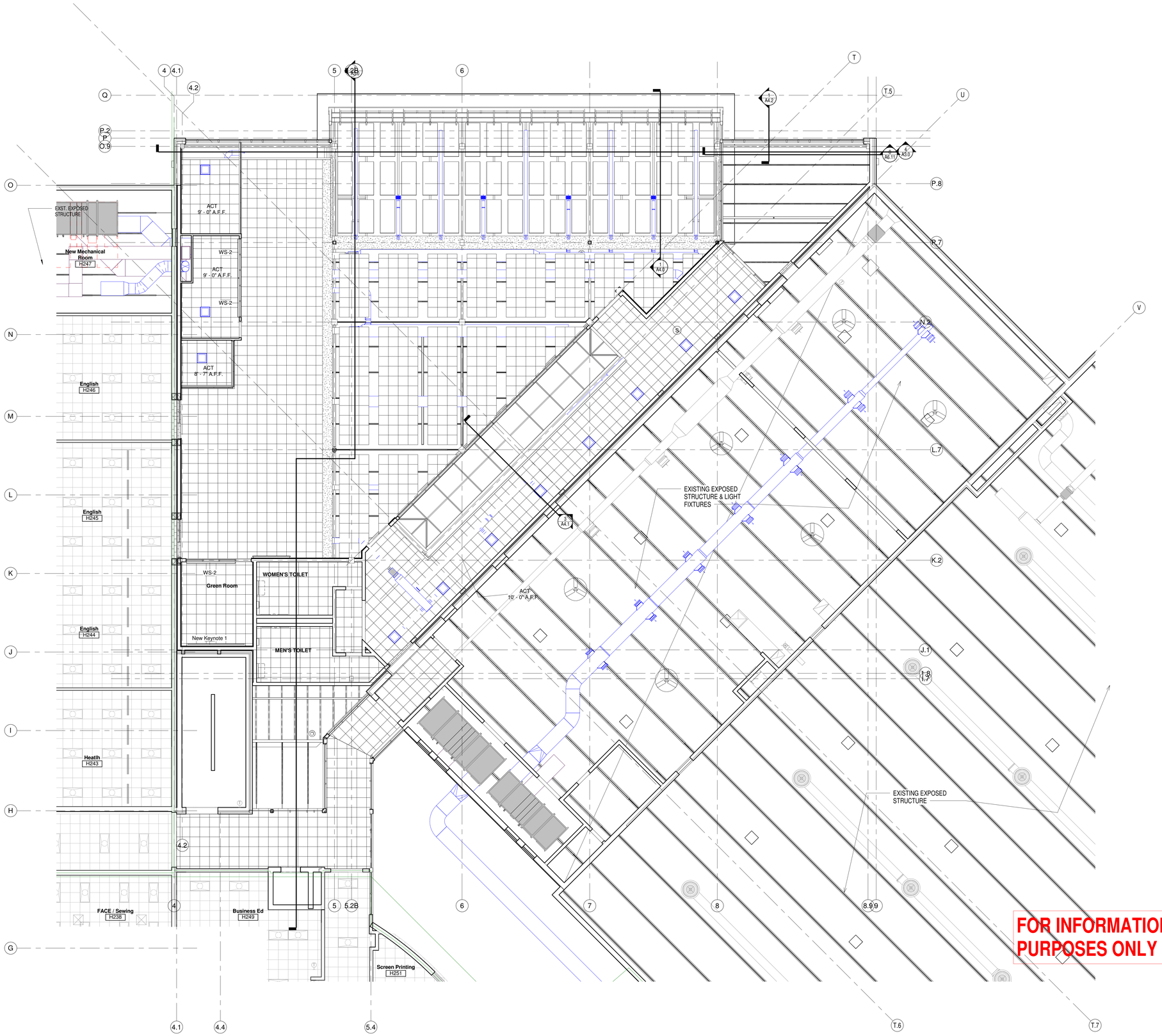

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SECOND FLOOR RCP- UNIT B
Scale1/8" = 1'-0"

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PROGRESS SET

Sheet Title:
REFLECTED CEILING PLAN- UNIT B

Sheet Number:
A5.B2

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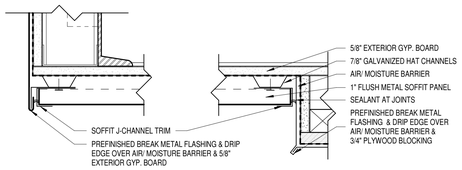
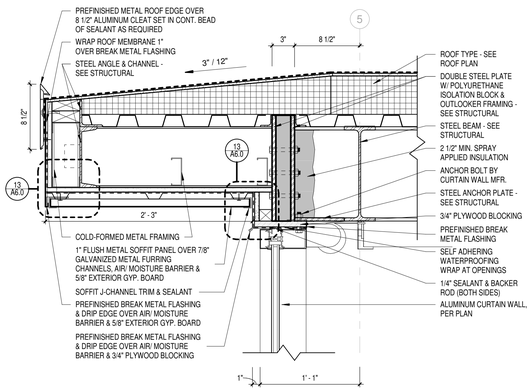
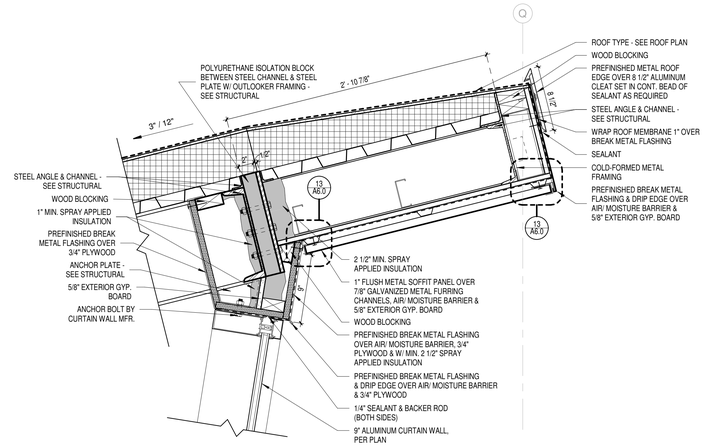


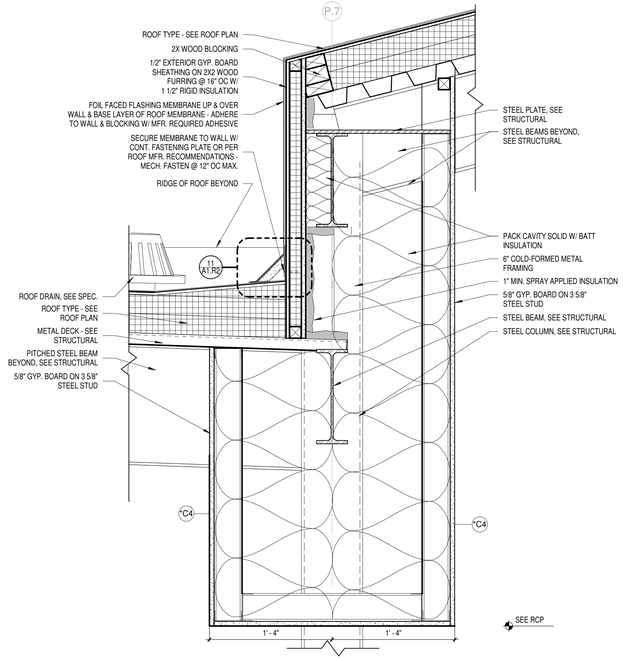
13 EXTERIOR METAL SOFFIT PANEL
Scale 3" = 1'-0"



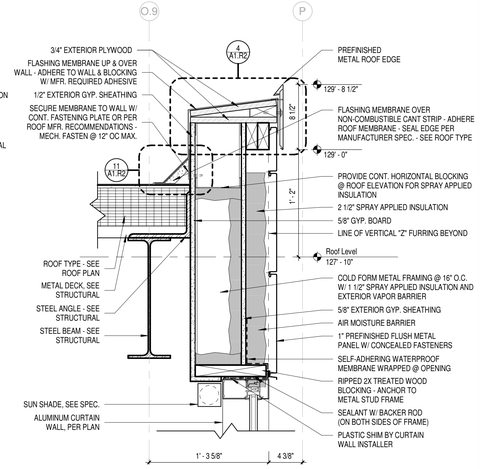
12 ROOF EDGE DETAIL @ CURTAIN WALL- EAST & WEST
Scale 1 1/2" = 1'-0"



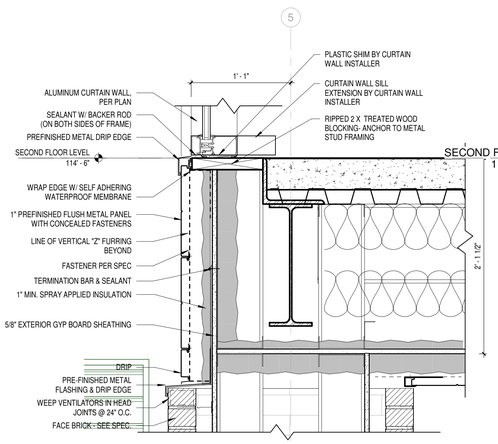
9 ROOF EDGE DETAIL @ CURTAIN WALL- NORTH
Scale 1 1/2" = 1'-0"



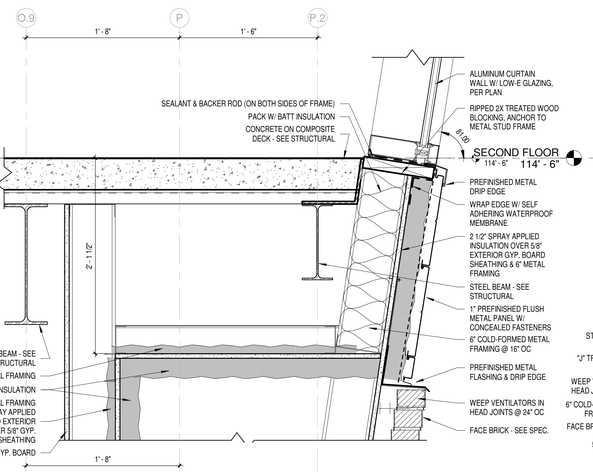
6 DETAIL @ SLOPED ROOF EDGE
Scale 1 1/2" = 1'-0"



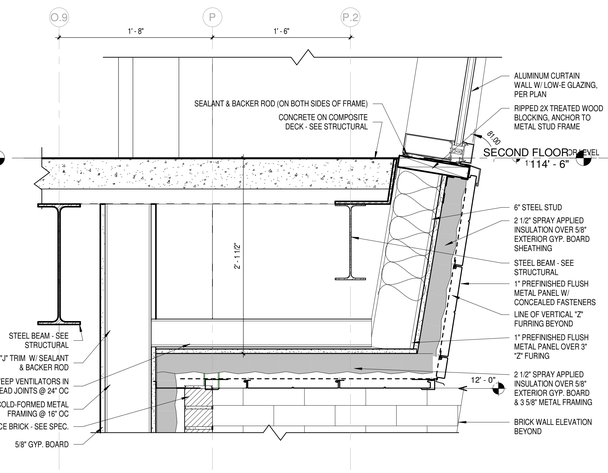
3 DETAIL @ ROOF EDGE / CURTAIN WALL
Scale 1 1/2" = 1'-0"



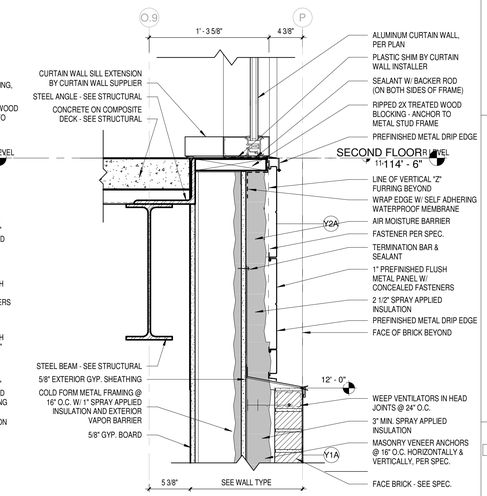
11 DETAIL @ PIER/ CURTAIN WALL SILL
Scale 1 1/2" = 1'-0"



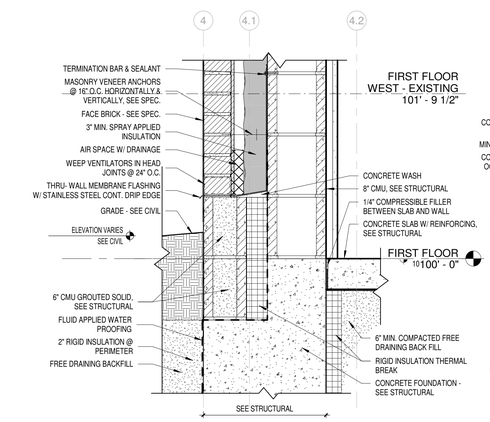
8 DETAIL @ LIBRARY CURTAIN WALL SILL
Scale 1 1/2" = 1'-0"



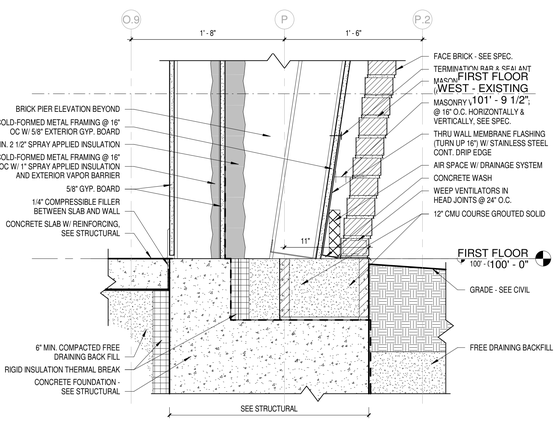
5 DETAIL @ SECOND FLOOR CURTAIN WALL SILL
Scale 1 1/2" = 1'-0"



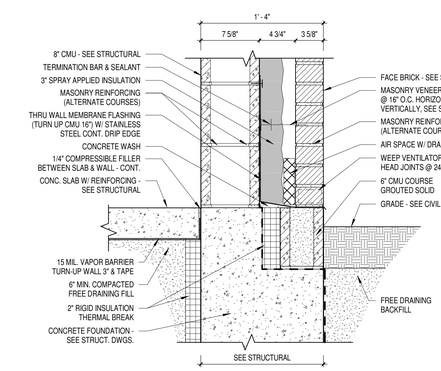
2 DETAIL @ 2ND FLOOR SILL/ CURTAIN WALL
Scale 1 1/2" = 1'-0"



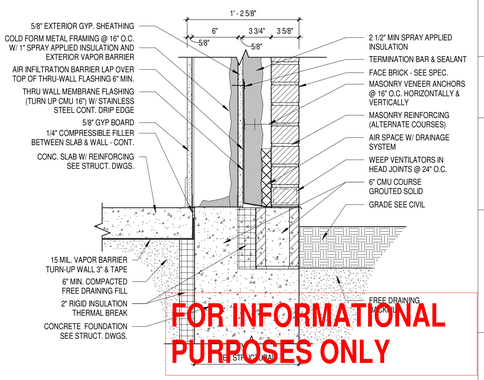
10 WALL DETAIL @ CMU WALL - WEST
Scale 1 1/2" = 1'-0"



7 DETAIL @ PIER FOUNDATION
Scale 1 1/2" = 1'-0"



4 TYP. FLOOR @ EXT. CMU WALL
Scale 1 1/2" = 1'-0"



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1 TYP. FLOOR TO EXT. STUD WALL
Scale 1 1/2" = 1'-0"

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PROGRESS SET

Sheet Title:
DETAILS

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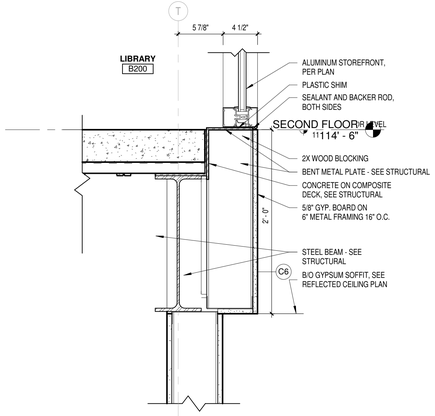
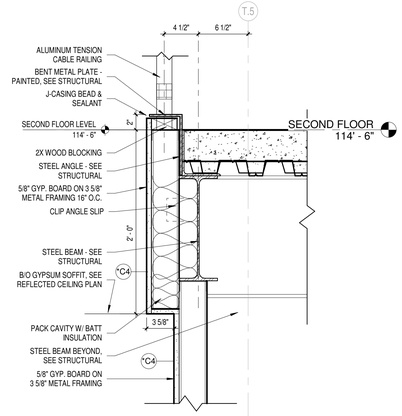


11 DETAIL @ LIGHTWELL/ STOREFRONT
Scale 1 1/2" = 1'-0"



8 DETAIL @ LIGHTWELL/ RAIL
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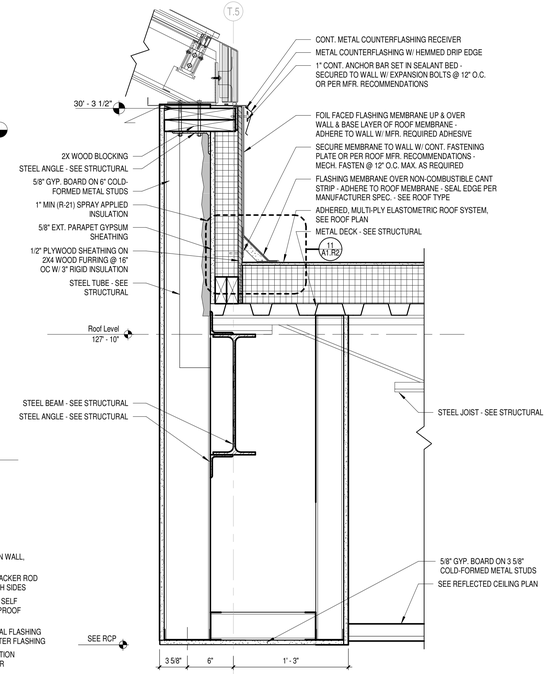
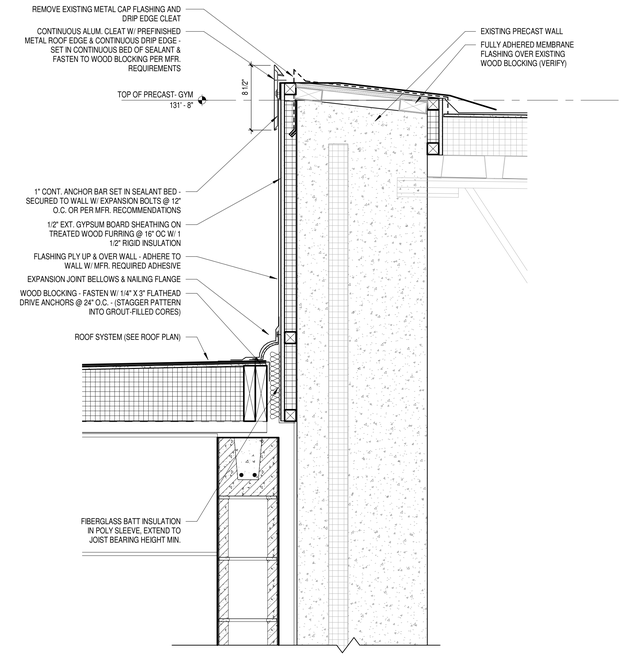
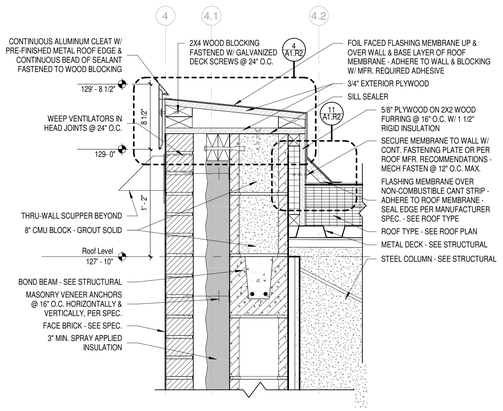


5 DETAIL @ SKYLIGHT
Scale 1 1/2" = 1'-0"



2 ROOF EDGE @ EXISTING PRECAST PLANK WALL
Scale 1 1/2" = 1'-0"



10 ROOF EDGE @ CMU WALL
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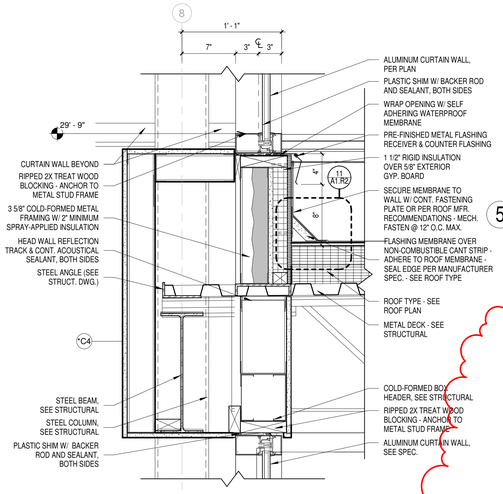
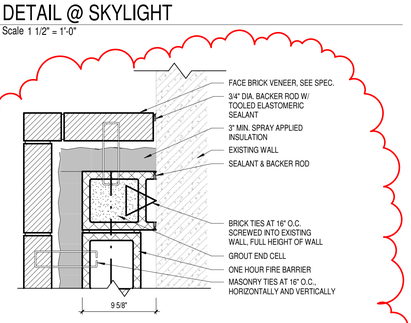
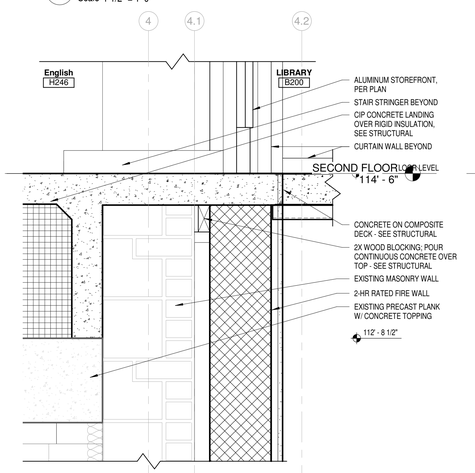


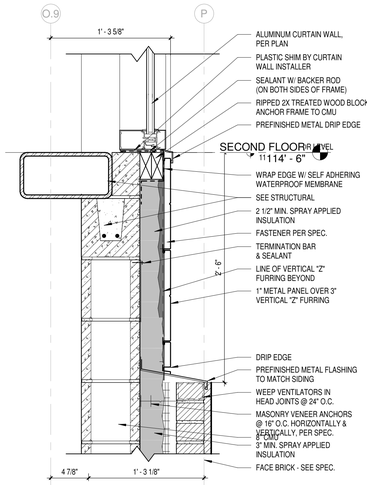
7 DETAIL @ CLERESTORY/ ROOF
Scale 1 1/2" = 1'-0"



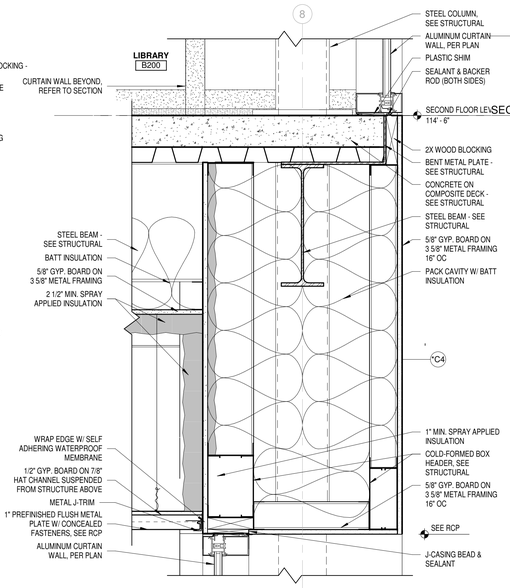
4 PLAN DETAIL- FIREWALL EXTENSION TO EXISTING
Scale 1 1/2" = 1'-0"



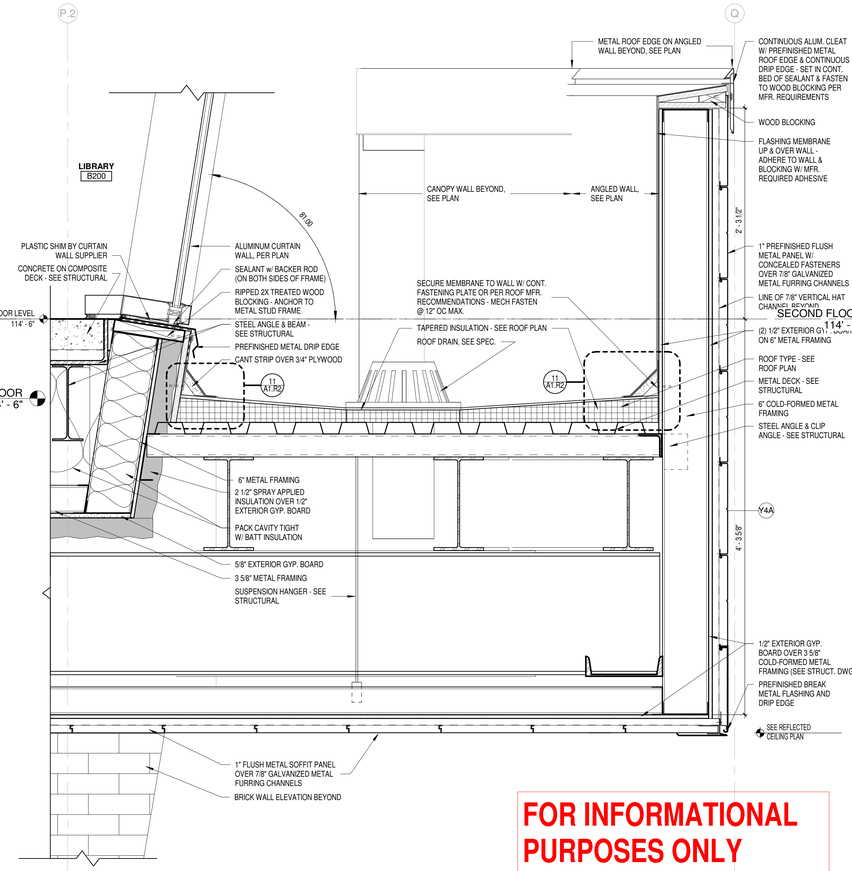
9 DETAIL @ THRESHOLD- 2 HR WALL
Scale 1 1/2" = 1'-0"



6 DETAIL @ CURTAIN WALL SILL- STAIRS
Scale 1 1/2" = 1'-0"



3 DETAIL @ STAIRS - INTERIOR STOREFRONT
Scale 1 1/2" = 1'-0"



1 DETAIL @ ENTRY CANOPY
Scale 1 1/2" = 1'-0"

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1	9/25/17	ADD-1

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DETAILS

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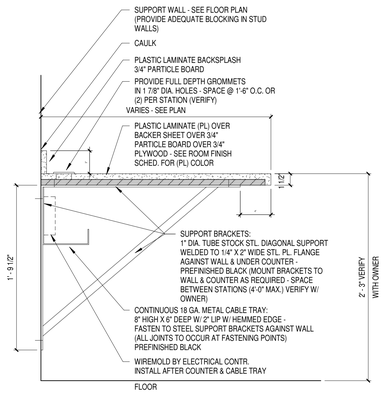

8 COMPUTER COUNTER
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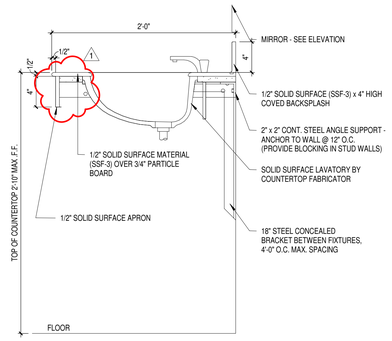

7 INTEGRAL BOWL COUNTERTOP DETAIL
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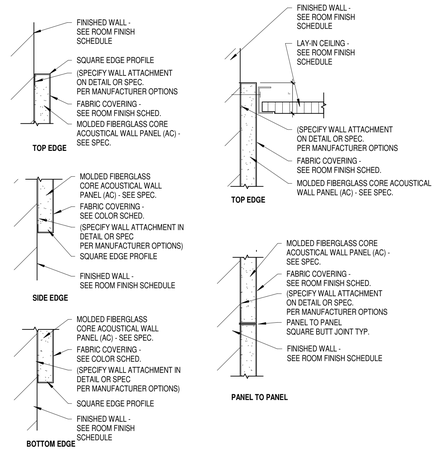
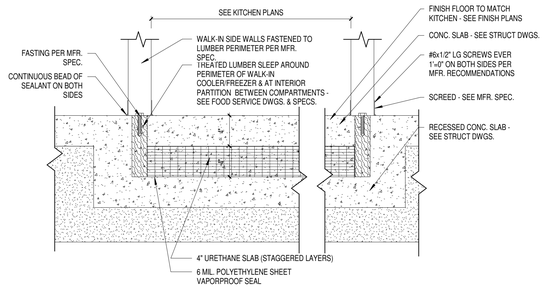


6 ACOUSTICAL WALL PANEL DETAILS (AC-1)
Scale 3" = 1'-0"



5 RECESSED SLAB @ COOLERS
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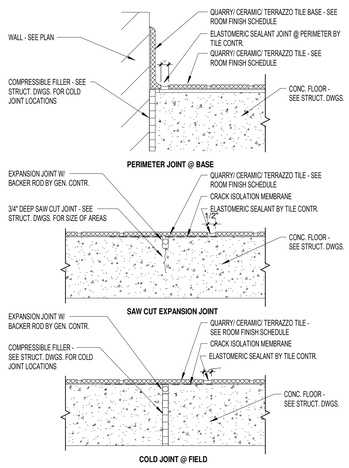
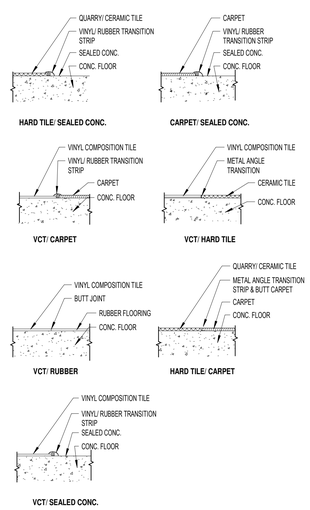
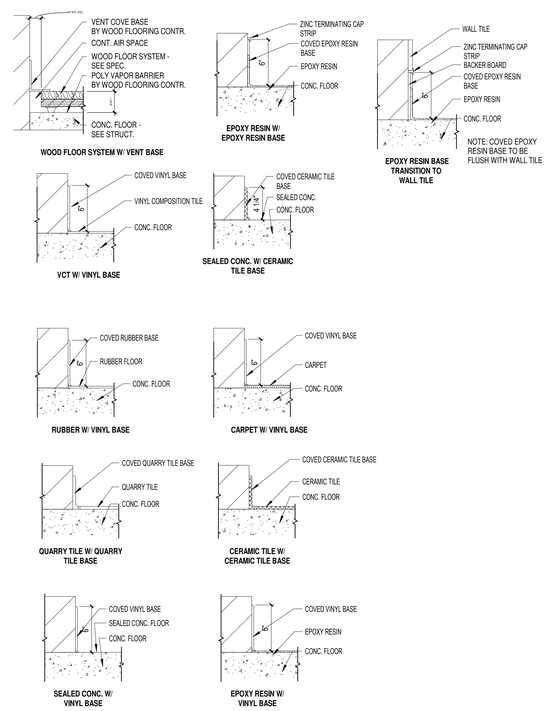


4 TYPICAL HARD TILE FLOOR JOINTS
Scale 3" = 1'-0"



3 TYPICAL FLOOR TRANSITIONS
Scale 1 1/2" = 1'-0"



2 TYPICAL FLOOR TO BASE CONDITIONS
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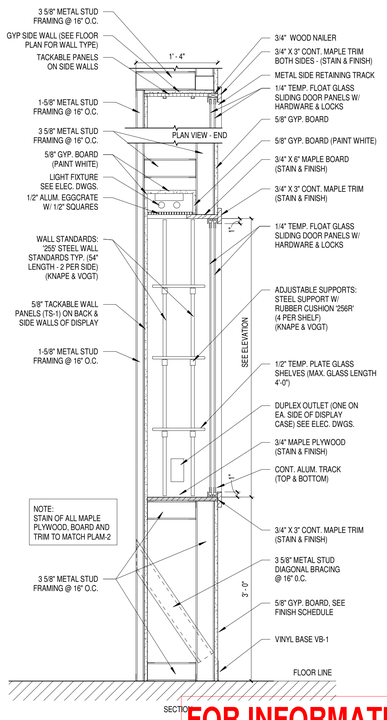

1 DISPLAY CASE
Scale 1" = 1'-0"

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INTERIOR DETAILS

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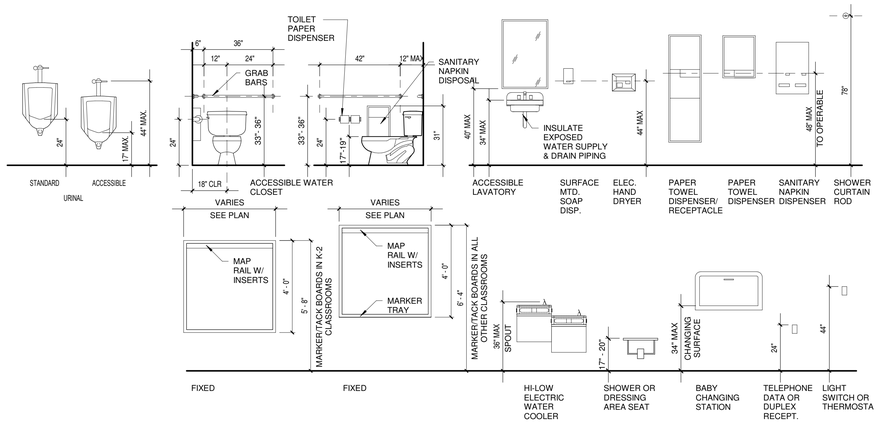
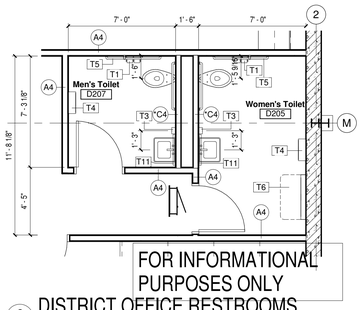
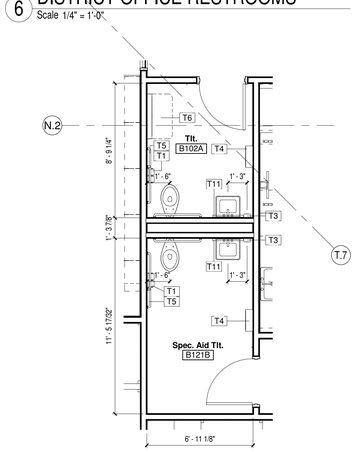


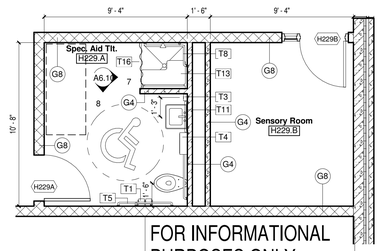


6 DISTRICT OFFICE RESTROOMS
Scale 1/4" = 1'-0"

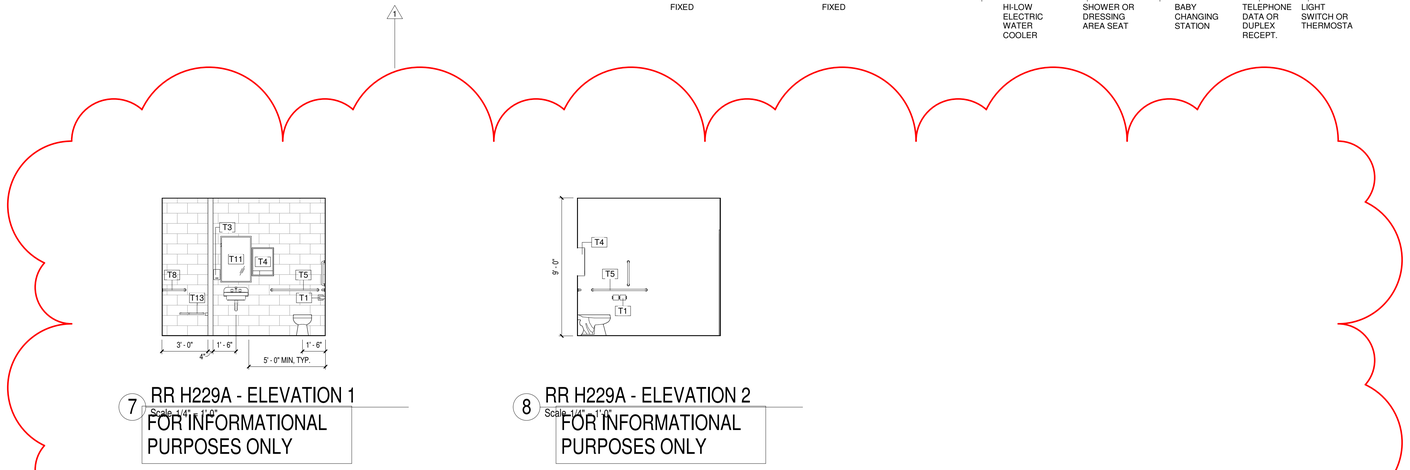
GENERAL NOTES	
DF	DRINKING FOUNTAIN - SEE PLUMBING
T1	TOILET PAPER DISPENSER - 2 ROLL
T2	SANITARY NAPKIN DISPOSAL
T3	LIQUID SOAP DISPENSER - SURFACE MOUNT
T4	PAPER TOWEL DISPENSER, WALL MOUNTED
T5	42", 36", 18"V GRAB BAR SET
T6	BABY CHANGING STATION
T8	'L' SHAPED SHOWER GRAB BAR
T11	MIRROR 2'-0"W X 3'-0"H
T13	FOLDING SHOWER SEAT
T16	SHOWER CURTAIN, ROD, HOOKS



5 RESTROOMS B102A & B121B
Scale 1/4" = 1'-0"



3 RESTROOM H229A
Scale 1/4" = 1'-0"



7 RR H229A - ELEVATION 1
Scale 1/4" = 1'-0"
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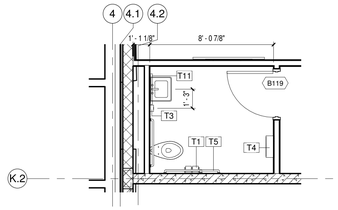
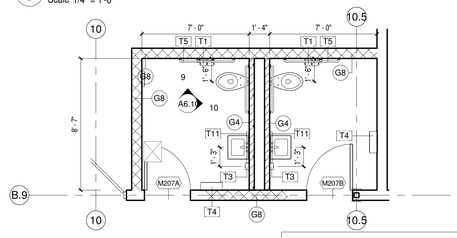
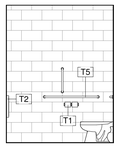
8 RR H229A - ELEVATION 2
Scale 1/4" = 1'-0"
FOR INFORMATIONAL PURPOSES ONLY



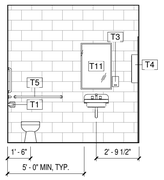
4 RESTROOM B119
Scale 1/4" = 1'-0"



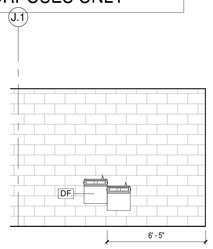
2 RESTROOM M207 & M207A
Scale 1/4" = 1'-0"
FOR INFORMATIONAL PURPOSES ONLY



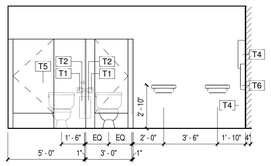
9 RR M207A - ELEVATION 1
Scale 1/4" = 1'-0"
FOR INFORMATIONAL PURPOSES ONLY



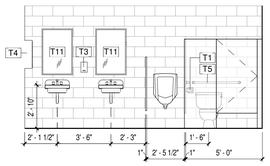
10 RR M207A - ELEVATION 2
Scale 1/4" = 1'-0"
FOR INFORMATIONAL PURPOSES ONLY



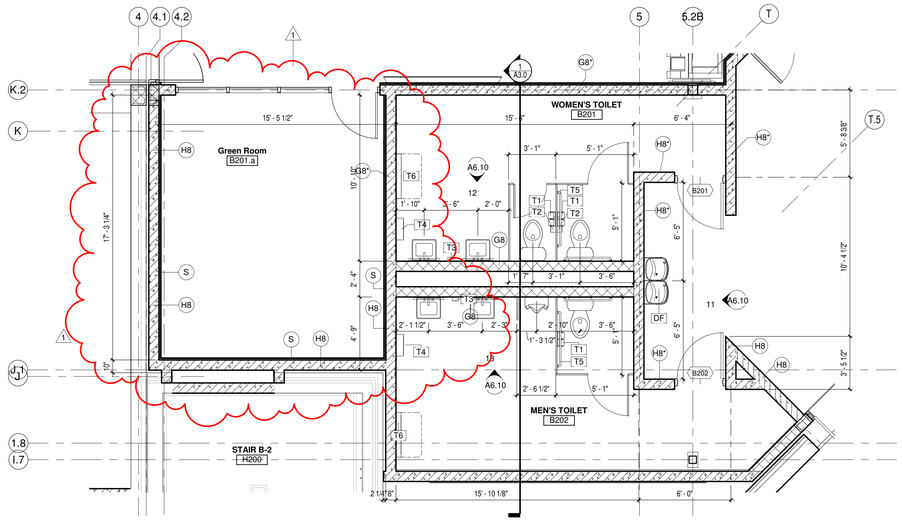
11 DRINKING FOUNTAIN ELEVATION
Scale 1/4" = 1'-0"



12 B201 - ELEVATION
Scale 1/4" = 1'-0"



13 B202 - ELEVATION
Scale 1/4" = 1'-0"



1 RESTROOMS B201 & B202
Scale 1/4" = 1'-0"

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ENLARGED RESTROOM PLANS & ELEVATIONS

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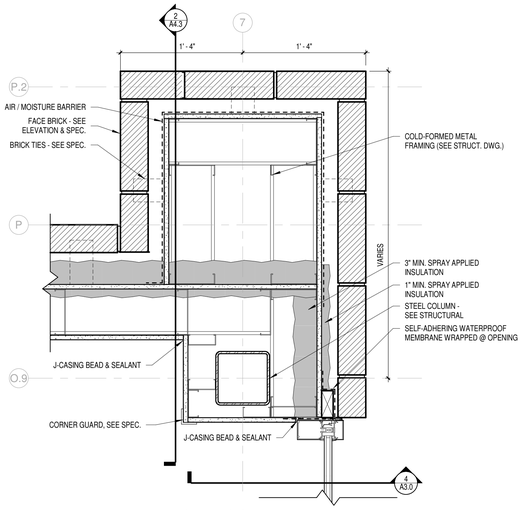
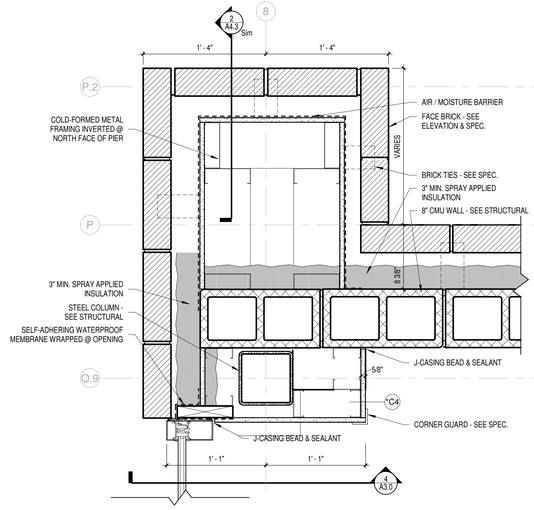
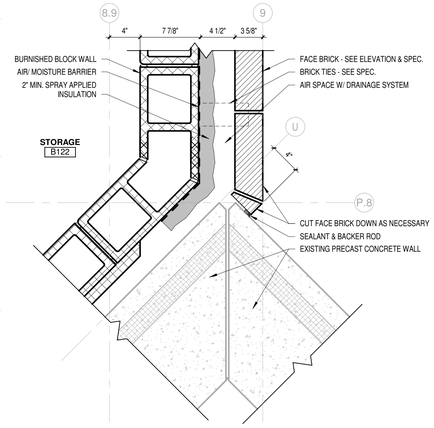


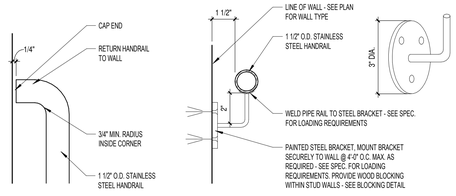
10 PLAN DETAIL @ MASONRY PIER
Scale 1 1/2" = 1'-0"



7 PLAN DETAIL- STAIR B.1
Scale 1 1/2" = 1'-0"

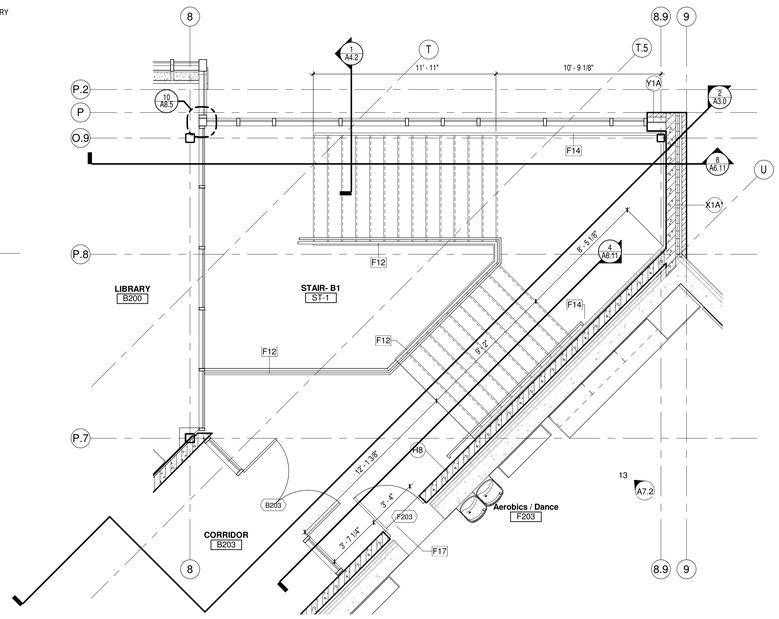


6 FIRST FLOOR PLAN DETAIL @ EXISTING WALL
Scale 1 1/2" = 1'-0"

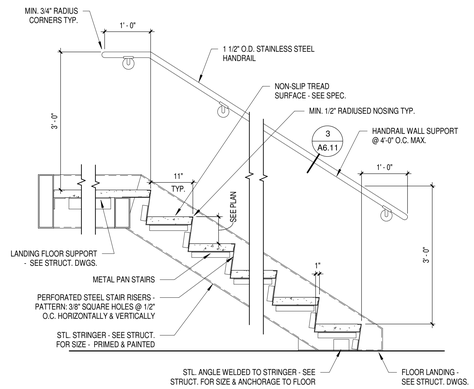


3 HANDRAIL & WALL BRACKET DETAIL
Scale 3" = 1'-0"

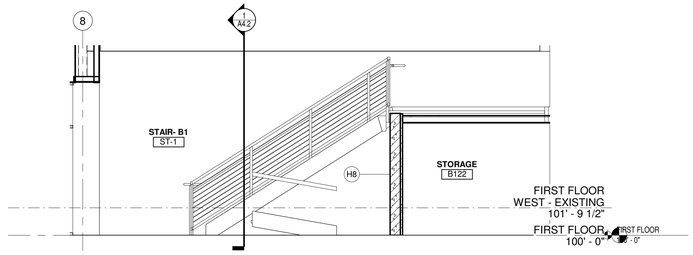
GENERAL NOTES	
F12	TENSION CABLE RAIL. BID PACKAGE-1
F14	NEW HAND RAIL BID PACKAGE-1
F17	SAW CUT DOOR OPENING (ALIGN W/ PRECAST JOINT)



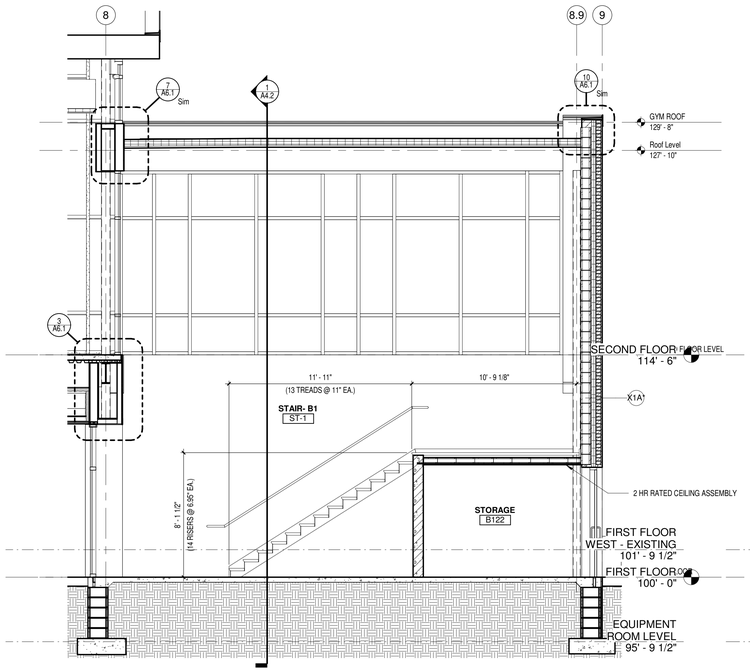
SECOND FLOOR PLAN DETAIL-STAIR B.1
Scale1/4" = 1'-0"



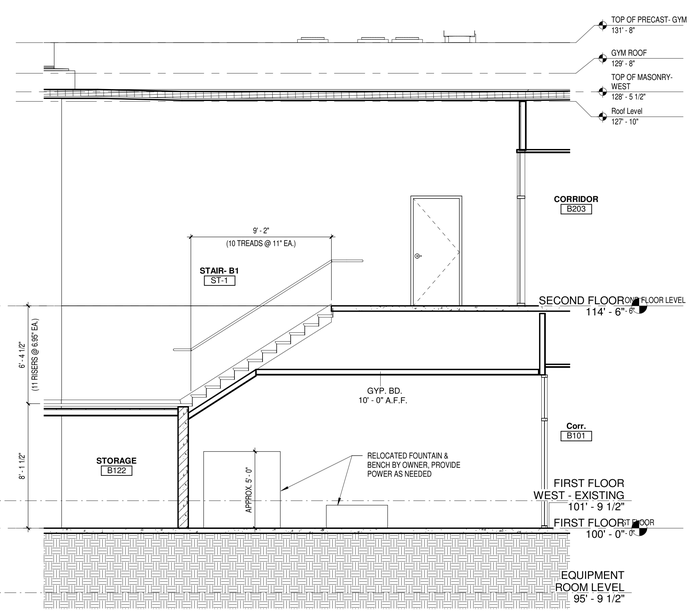
9 WALL MOUNTED HANDRAIL @ STAIR
Scale 3/4" = 1'-0"



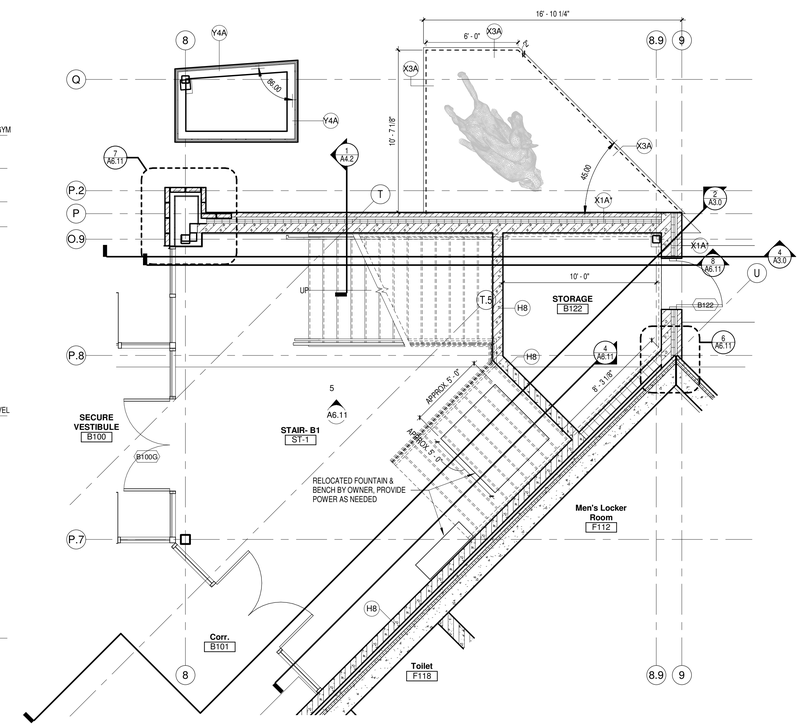
5 STAIR B1 RAIL ELEVATION
Scale 1/4" = 1'-0"



8 SECTION @ STAIRS
Scale 1/4" = 1'-0"



4 SECTION @ STAIR- 2
Scale 1/4" = 1'-0"



FIRST FLOOR PLAN DETAIL- STAIR B.1
Scale 1/4" = 1'-0"

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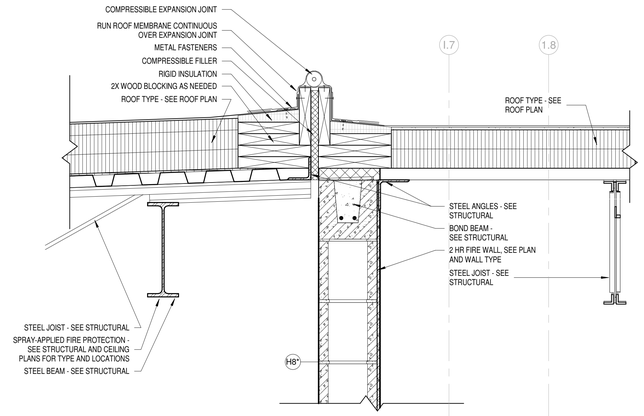
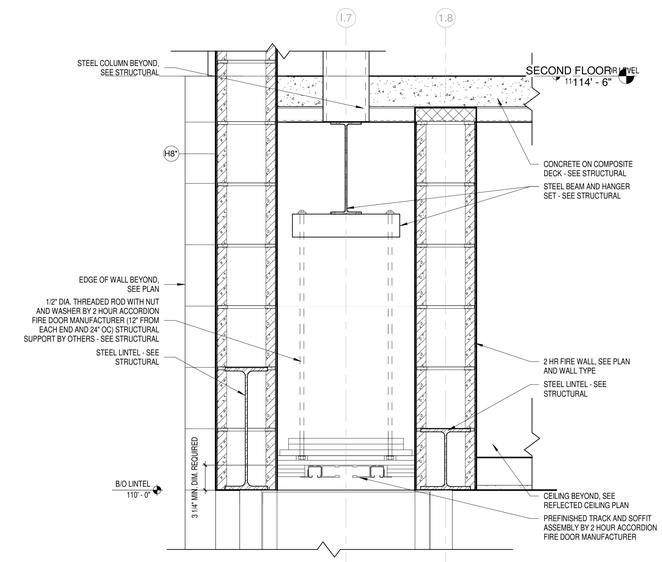
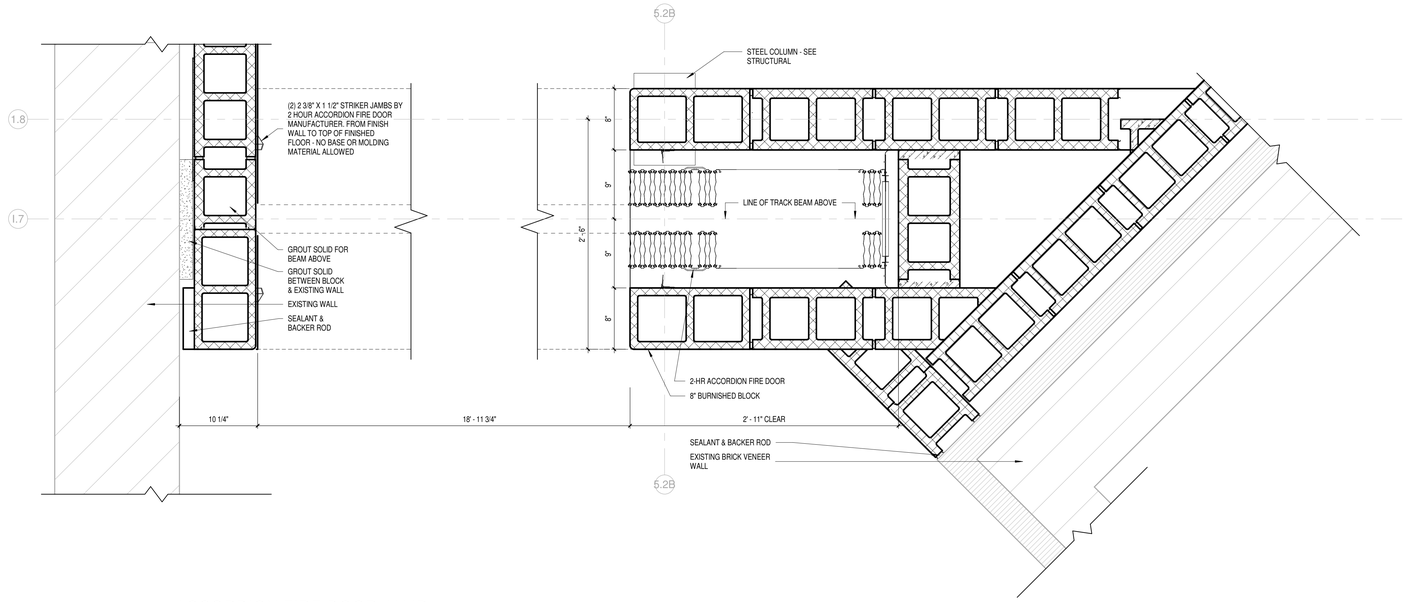


3 ROOF EDGE TRANSITION @ FIRE WALL
Scale 1 1/2" = 1'-0"



2 ACCORDION FIRE DOOR HEAD
Scale 1 1/2" = 1'-0"



1 ACCORDION FIRE DOOR JAMB
Scale 1 1/2" = 1'-0"

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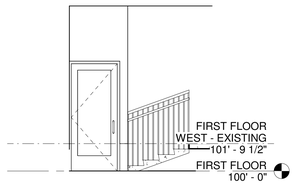
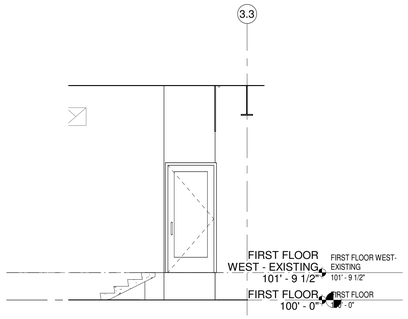


5 SECTION @ STEAM LAB STAIR
Scale 1/4" = 1'-0"



6 SECTION @ WOOD LAB STAIR
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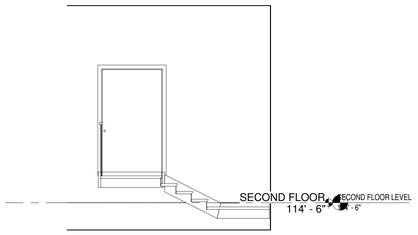
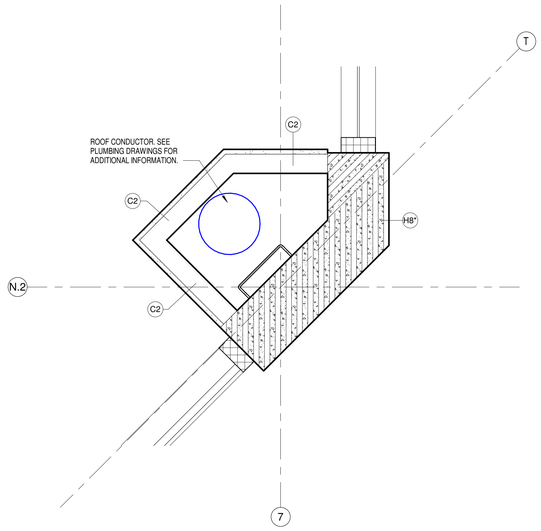
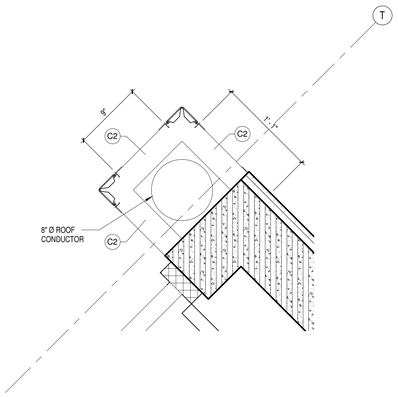


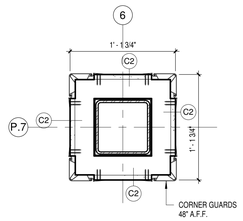
7 SECTION @ MECHANICAL STAIR
Scale 1/4" = 1'-0"



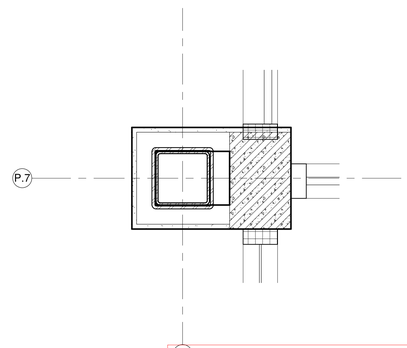
4 PLAN DETAL C
Scale 1 1/2" = 1'-0"



3 PLAN DETAIL B
Scale 1 1/2" = 1'-0"



2 TYPICAL COLUMN DETAIL
Scale 1 1/2" = 1'-0"



1 PLAN DETAIL A
Scale 1 1/2" = 1'-0"

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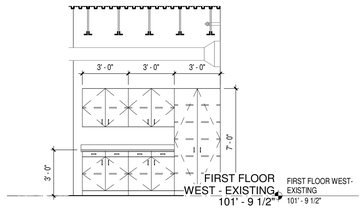
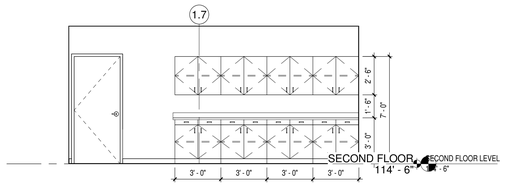
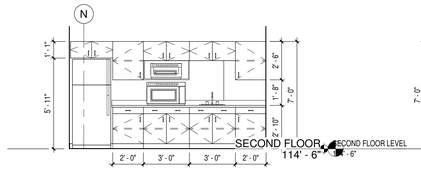


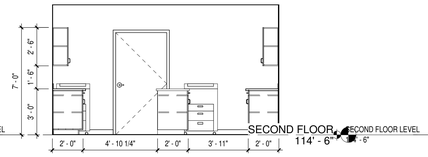
1 UNIT A - G101 WEST INTERIOR ELEVATION
Scale 1/4" = 1'-0"



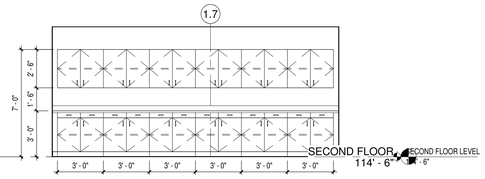
2 UNIT A - CONFERENCE ROOM D203 NORTH INT. ELEV.
Scale 1/4" = 1'-0"



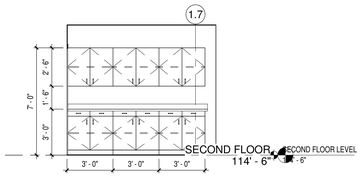
3 UNIT A - BREAK D209 EAST INT. ELEV.
Scale 1/4" = 1'-0"



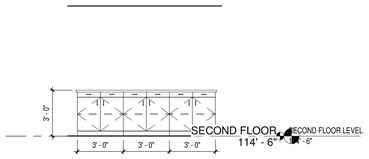
4 UNIT A - D211 EAST INT. ELEV.
Scale 1/4" = 1'-0"



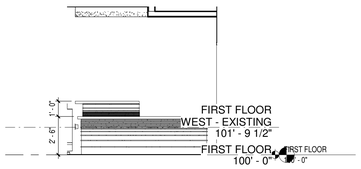
5 UNIT A - WORK ROOM D211 SOUTH INT. ELEV.
Scale 1/4" = 1'-0"



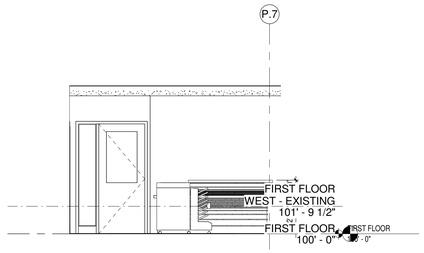
6 UNIT A - WORK ROOM D211 NORTH INT. ELEV.
Scale 1/4" = 1'-0"



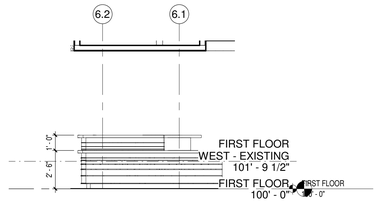
7 UNIT A - D211 ISLAND INTERIOR ELEVATION
Scale 1/4" = 1'-0"



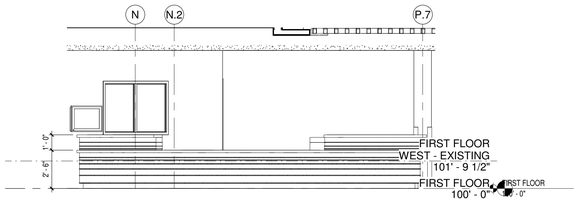
8 UNIT B - RECEPTION B101 1 SOUTH INT. ELEV.
Scale 1/4" = 1'-0"



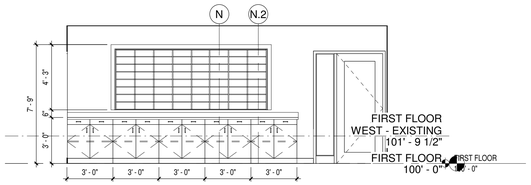
9 UNIT B - RECEPTION B101 2 WEST INT. ELEV.
Scale 1/4" = 1'-0"



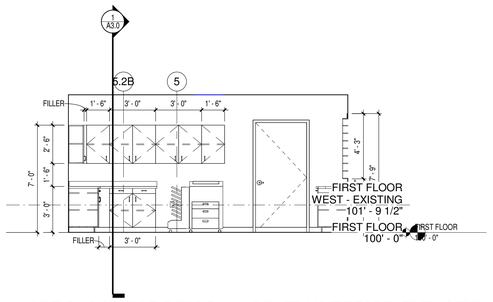
10 UNIT B - RECEPTION B101 3 SOUTH INT. ELEV.
Scale 1/4" = 1'-0"



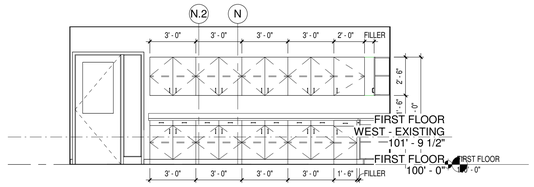
11 UNIT B - RECEPTION B101 4 WEST INT. ELEV.
Scale 1/4" = 1'-0"



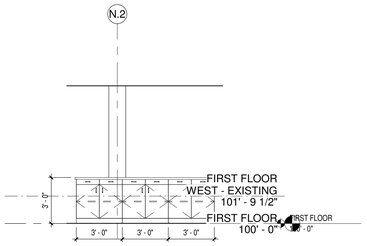
12 UNIT B - WORK ROOM B112 WEST INTERIOR ELEVATION
Scale 1/4" = 1'-0"



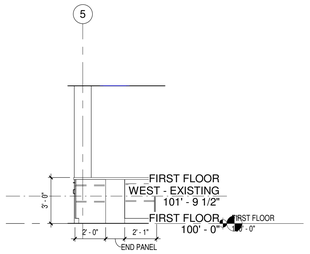
13 UNIT B - WORK ROOM B112 SOUTH INTERIOR ELEVATION
Scale 1/4" = 1'-0"



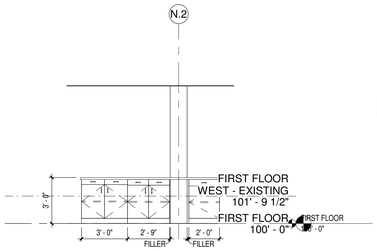
14 UNIT B - WORK ROOM B112 EAST INTERIOR ELEVATION
Scale 1/4" = 1'-0"



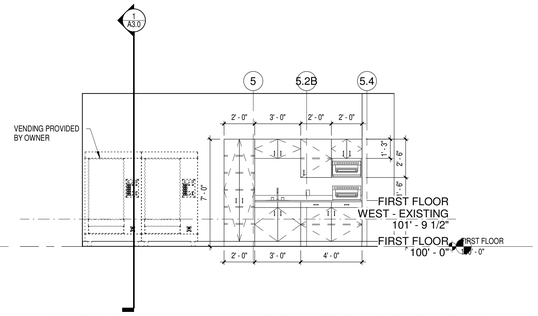
15 UNIT B - B112 ISLAND EAST INT. ELEV.
Scale 1/4" = 1'-0"



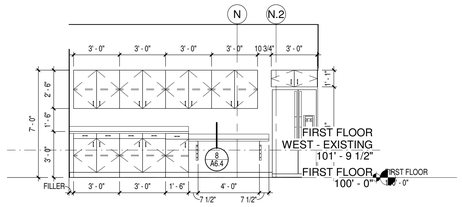
16 UNIT B - B112 ISLAND SOUTH INT. ELEV.
Scale 1/4" = 1'-0"



17 UNIT B - B112 ISLAND WEST INT. ELEV.
Scale 1/4" = 1'-0"



18 UNIT B - LOUNGE B117 NORTH INTERIOR ELEVATION
Scale 1/4" = 1'-0"



19 UNIT B - HEALTH ROOM B120 WEST INTERIOR ELEVATION
Scale 1/4" = 1'-0"

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Sheet Number:
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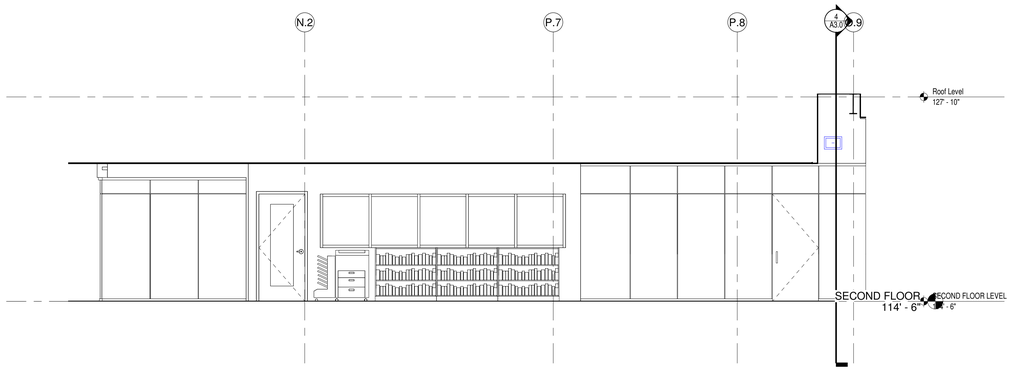
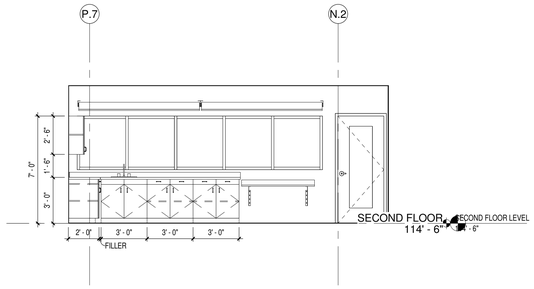
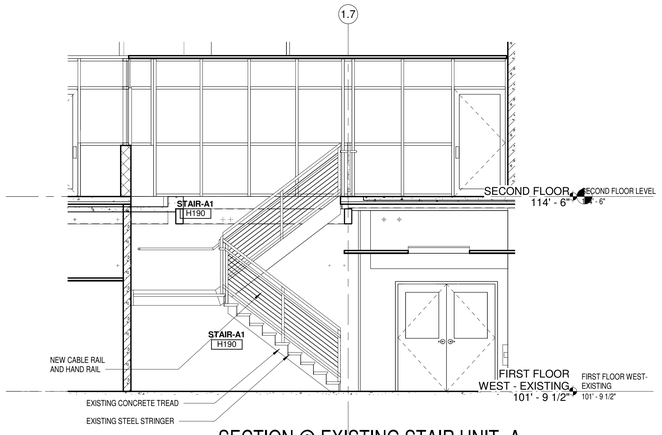


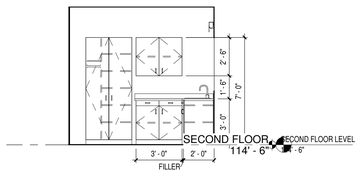
11 UNIT B - LIBRARY B200 WEST INT. ELEV.
Scale 1/4" = 1'-0"



9 UNIT B - B200B EAST INT. ELEV.
Scale 1/4" = 1'-0"



8 SECTION @ EXISTING STAIR UNIT -A
Scale 1/4" = 1'-0"



10 UNIT B - B200B NORTH INT. ELEV.
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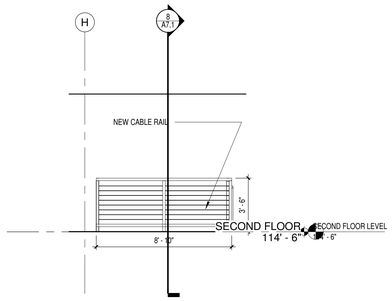
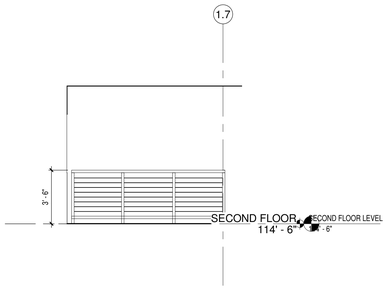
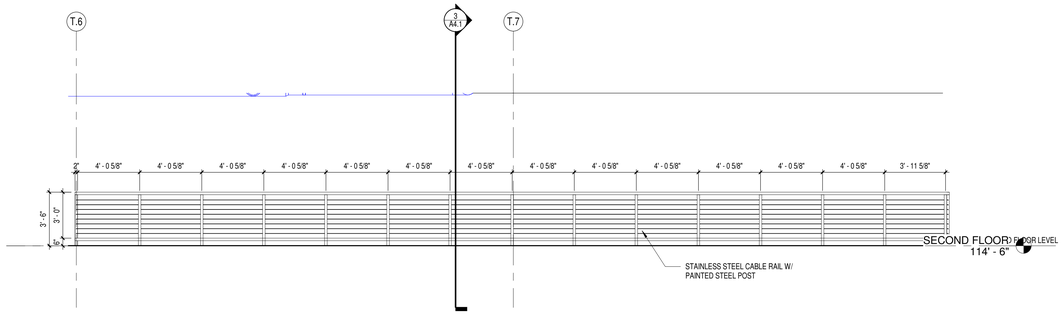


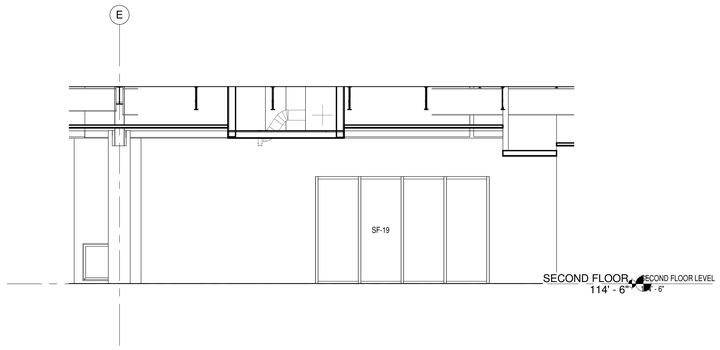
7 UNIT A - RAIL WEST INTERIOR ELEVATION
Scale 1/4" = 1'-0"



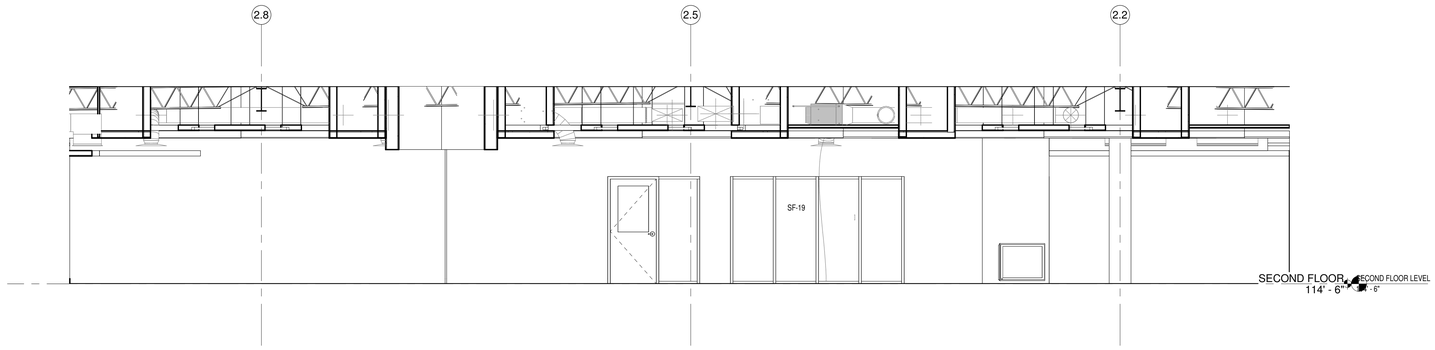
6 UNIT A - RAIL NORTH INTERIOR ELEVATION
Scale 1/4" = 1'-0"



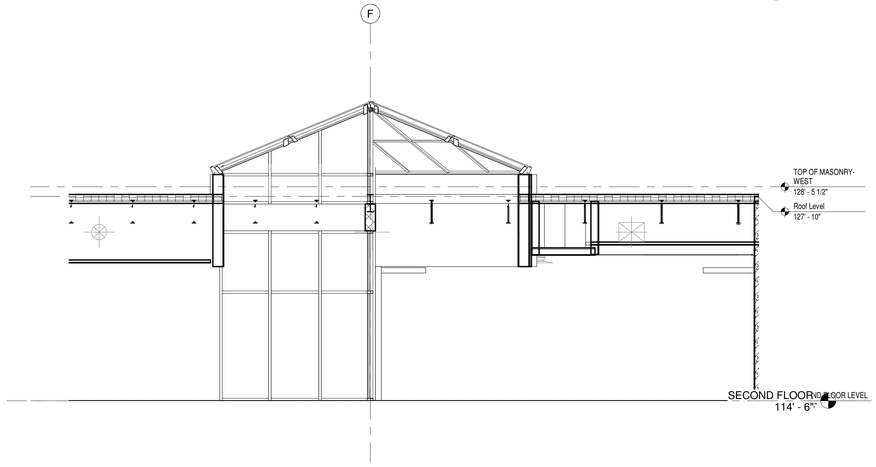
5 UNIT B - B203 INTERIOR ELEVATION
Scale 1/4" = 1'-0"



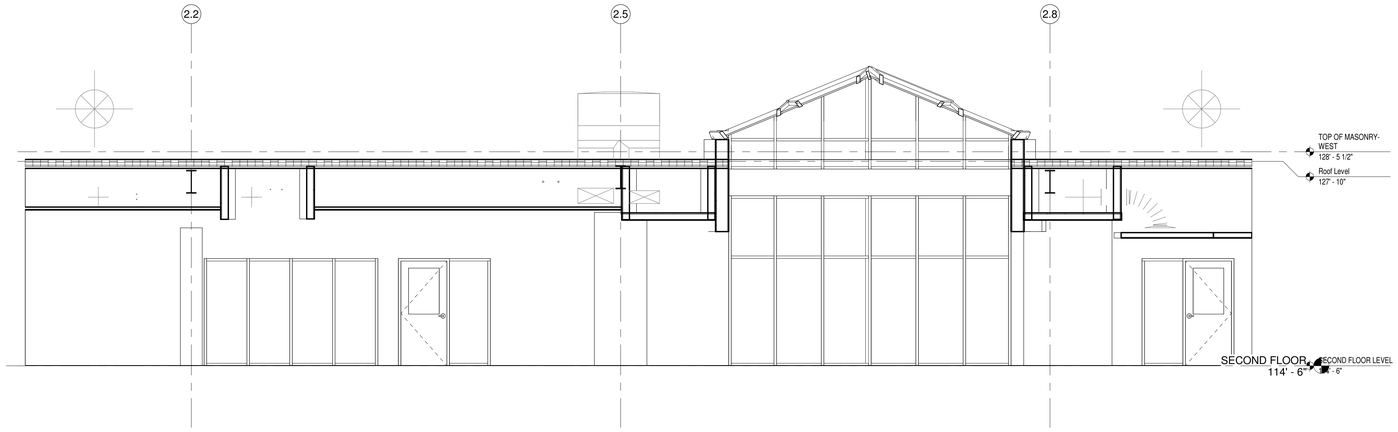
3 UNIT D - COLLABORATION H217 EAST INTERIOR ELEVATION
Scale 1/4" = 1'-0"



4 UNIT D - COLLABORATION H217 SOUTH INTERIOR ELEVATION
Scale 1/4" = 1'-0"



2 UNIT D - CLASSROOM H217.b EAST INTERIOR ELEVATION
Scale 1/4" = 1'-0"



1 UNIT D - COLLABORATION H217 NORTH INTERIOR ELEVATION
Scale 1/4" = 1'-0"

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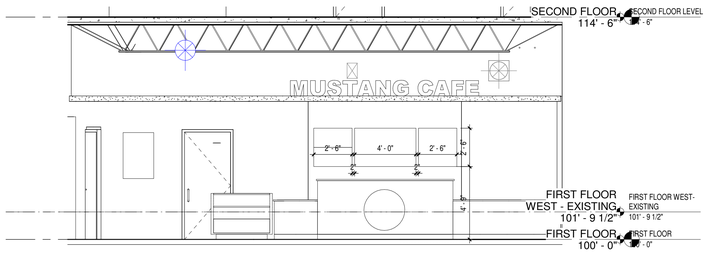
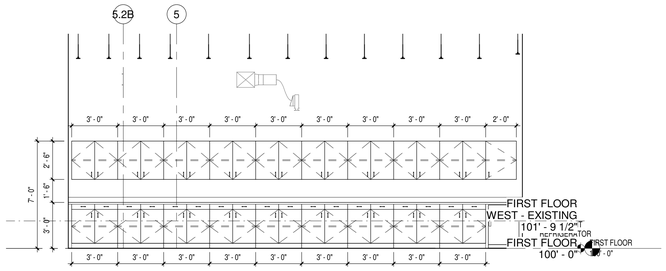
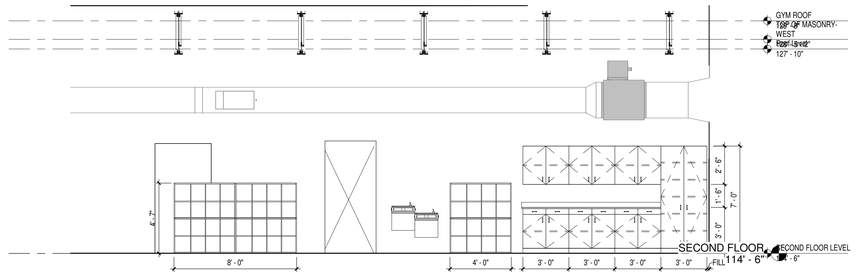


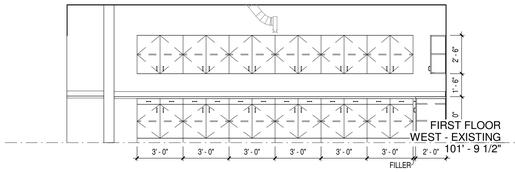
1 UNIT D - CAFE C102 SOUTH ELEVATION
Scale 1/4" = 1'-0"



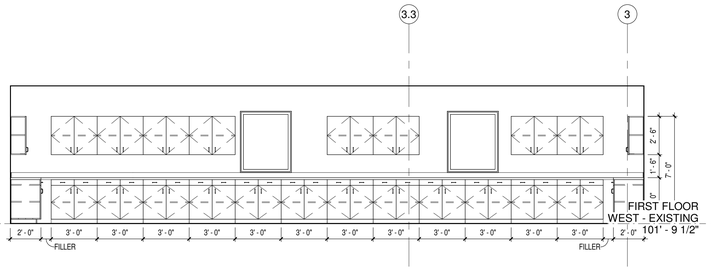
2 UNIT D - P100B SOUTH INTERIOR ELEVATION
Scale 1/4" = 1'-0"



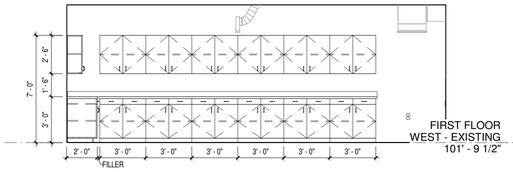
13 UNIT B - F203 NORTHWEST INTERIOR ELEVATION
Scale 1/4" = 1'-0"



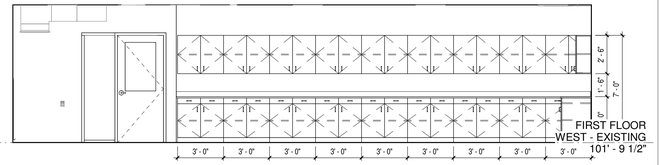
16 UNIT D - STEAM LAB H120 EAST INT. ELEV.
Scale 1/4" = 1'-0"



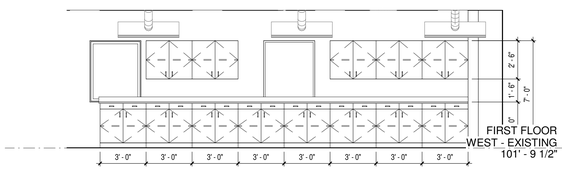
17 UNIT D - STEAM LAB H120 SOUTH INT. ELEV.
Scale 1/4" = 1'-0"



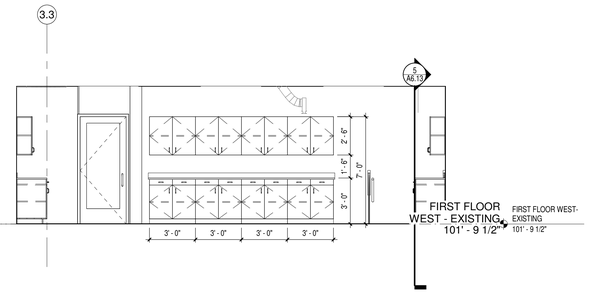
18 UNIT D - STEAM LAB H120 WEST INT. ELEV.
Scale 1/4" = 1'-0"



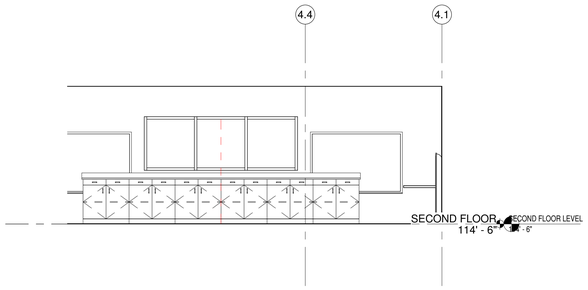
14 UNIT D - STEM LAB H121 WEST INT. ELEV.
Scale 1/4" = 1'-0"



15 UNIT D - STEM LAB H121 EAST INT. ELEV.
Scale 1/4" = 1'-0"



19 UNIT D - STEAM LAB H121 NORTH INT. ELEV.
Scale 1/4" = 1'-0"



7 UNIT D - COLLABORATION H257 SOUTH INT. ELEV.
Scale 1/4" = 1'-0"

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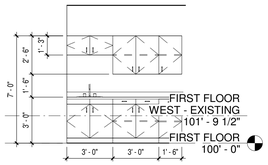
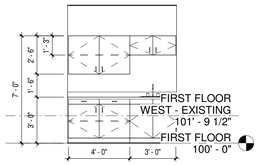
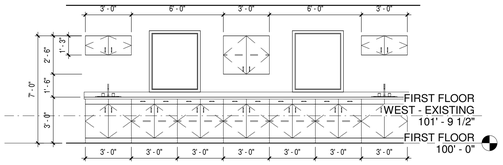


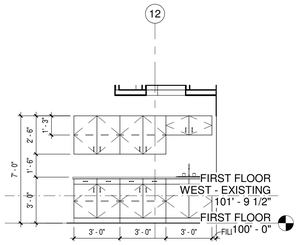
3 UNIT E - M103 NORTH INT. ELEV.
Scale 1/4" = 1'-0"



4 UNIT E - M104C EAST INT. ELEV.
Scale 1/4" = 1'-0"



5 UNIT E - M106 SOUTHWEST INTERIOR ELEVATION
Scale 1/4" = 1'-0"



6 UNIT E - M112 NORTH INT. ELEV.
Scale 1/4" = 1'-0"

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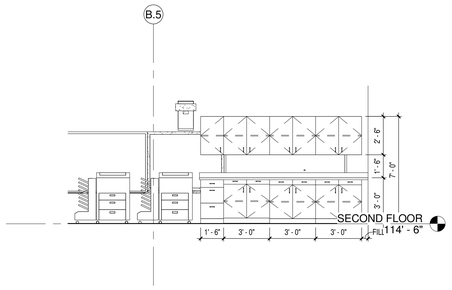

6 UNIT E - M214 EAST INT. ELEV.
Scale 1/4" = 1'-0"

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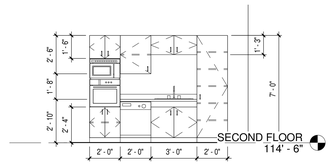

5 UNIT E - M214 NORTH INT. ELEV.
Scale 1/4" = 1'-0"

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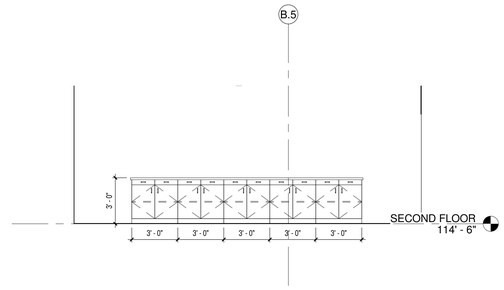

4 UNIT E - M214 WEST ISLAND INT. ELEV.
Scale 1/4" = 1'-0"

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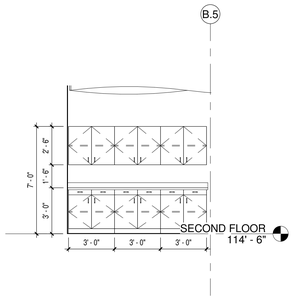

3 UNIT E - M216 EAST INT. ELEV.
Scale 1/4" = 1'-0"

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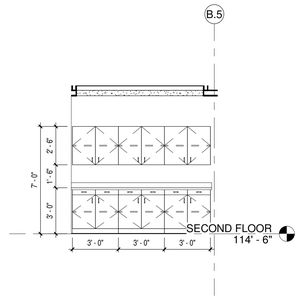

1 UNIT E - M226 EAST INT. ELEV.
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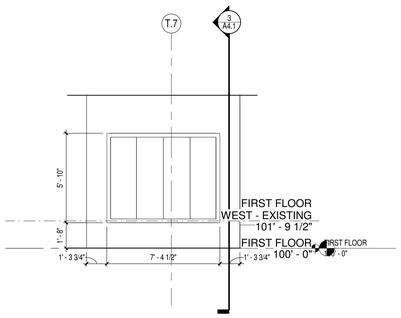
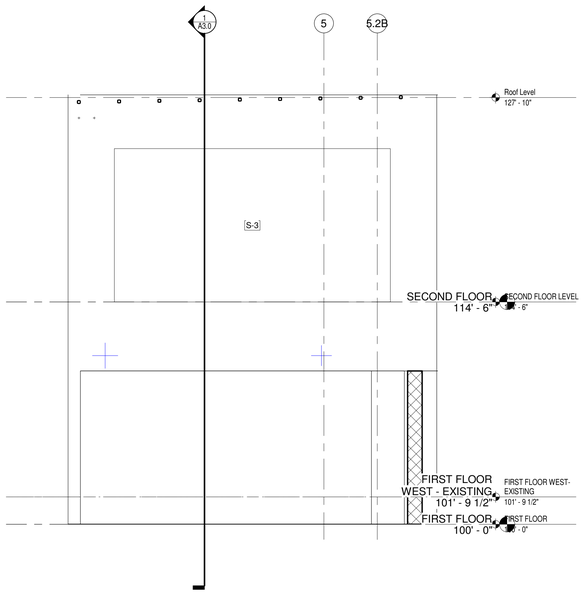


2 TYPICAL DISPLAY CASE ELEVATION
Scale 1/4" = 1'-0"



7 UNIT B - WALL MOUNTED SIGNAGE INTERIOR ELEVATION
Scale 1/4" = 1'-0"

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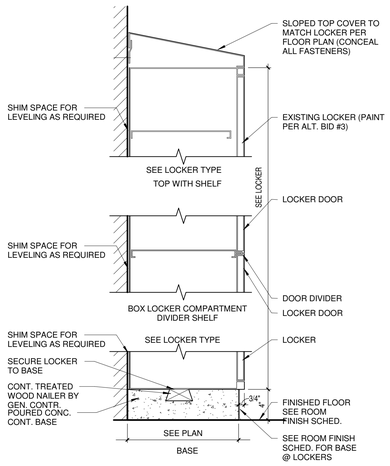

8 Locker Section
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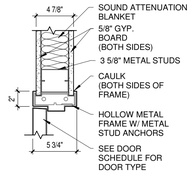
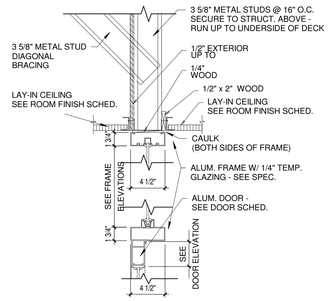
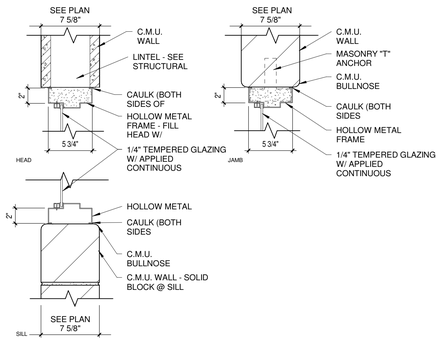


7 Int. HM Jamb
Scale 1 1/2" = 1'-0"



6 Head Detail
Scale 1 1/2" = 1'-0"

DOOR SCHEDULE														
	DOOR				FRAME									
DOOR NO.	WIDTH	HEIGHT	TYPE	MATERIAL	TYPE	FINISH	HEAD	JAMB	SILL	RATING	HARDWARE GROUP	Level	Existing	Comments
B100A (2)	3' - 4"	7' - 0"	AL	AL	SF-3	CLR. ANDZ.	6/A8.1	7/A8.1			AL-3	EQUIPMENT ROOM LEVEL		AUTOMATIC OPENER W/ CENTER MULLION, COLOR- CHAMPAGNE
B100B (2)	3' - 4"	7' - 0"	AL	AL	SF-3	CLR. ANDZ.	6/A8.1	7/A8.1			AL-4	EQUIPMENT ROOM LEVEL		CENTER MULLION, COLOR CHAMPAGNE
B100C (2)	3' - 4"	7' - 0"	AL	AL	CW-7	CLR. ANDZ.	6/A8.1	7/A8.1			AL-1	EQUIPMENT ROOM LEVEL		AUTOMATIC OPENER W/ CENTER MULLION- COLOR- BLUE
B100D (2)	3' - 4"	7' - 0"	AL	AL	CW-7	CLR. ANDZ.	6/A8.1	7/A8.1			AL-2	EQUIPMENT ROOM LEVEL		CENTER MULLION- COLOR- BLUE
B100G	6' - 0"	7' - 0"	AL	AL	SF-2	CLR. ANDZ.	6/A8.1	7/A8.1			AL-5	FIRST FLOOR		CENTER MULLION, COLOR CHAMPAGNE
B101	6' - 0"	7' - 0"	AL	AL	SF-4	CLR. ANDZ.					AL-5	FIRST FLOOR		CENTER MULLION, COLOR CHAMPAGNE
B102	3' - 0"	7' - 0"	AL	AL	SF-1	CLR. ANDZ.					AL-6	FIRST FLOOR		CENTER MULLION, COLOR CHAMPAGNE
B102B	3' - 0"	7' - 0"	AL	AL	SF-5	CLR. ANDZ.					AL-7	FIRST FLOOR		CENTER MULLION, COLOR CHAMPAGNE



5 Borrowed Lite Details
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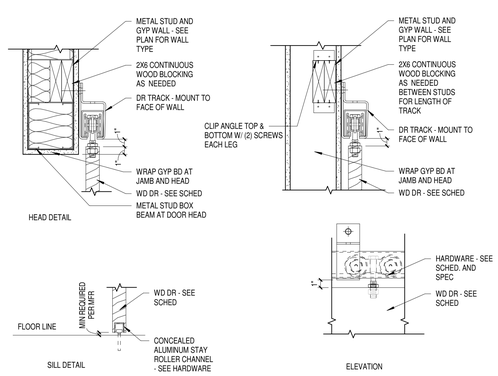
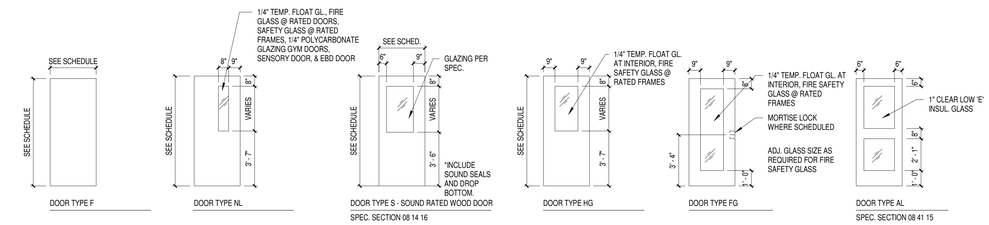
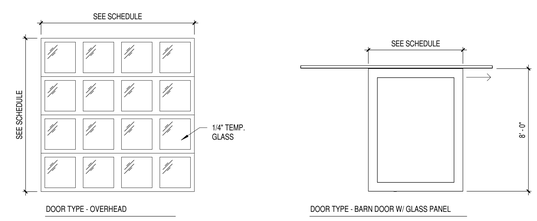
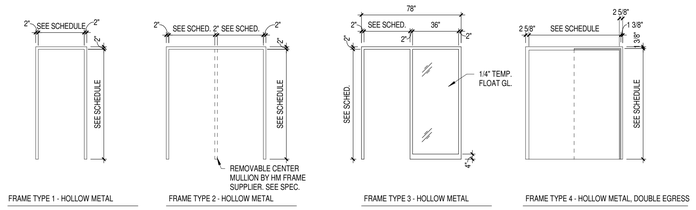






FOR INFORMATIONAL PURPOSES ONLY



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Project Title:
ADDITION AND RENOVATION TO
LITTLE CHUTE HIGH/ MIDDLE/ INTERMEDIATE SCHOOL
Little Chute Area School District
1402 Freedom Rd Little Chute, WI 54140

REVISIONS:

#	DATE	DESCRIPTION

Project Number:
3294

Issued For:
BID PACKAGE- 2 PROGRESS SET

Sheet Title:
DOOR SCHEDULE & TYPES

Sheet Number:
A8.1

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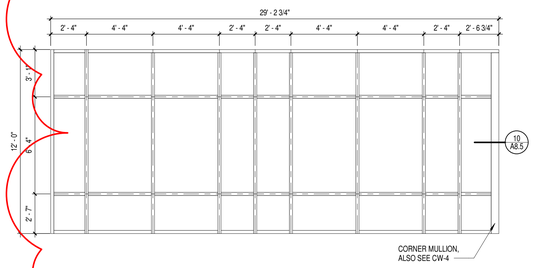
GENERAL NOTES

1. ALL CURTAIN WALL MULLIONS TO BE 2-1/2" X 6" UNLESS OTHERWISE NOTED.
2. ALL STOREFRONT TO BE 2" X 4-1/2" CONTINUOUS VERTICAL, TOP, BOTTOM, & SIDE MULLIONS UNLESS OTHERWISE NOTED.



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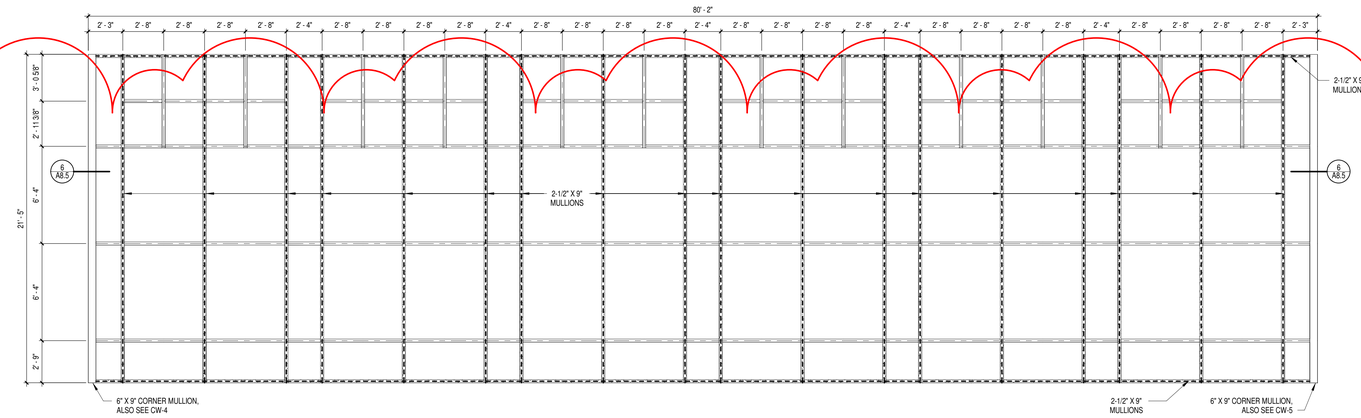

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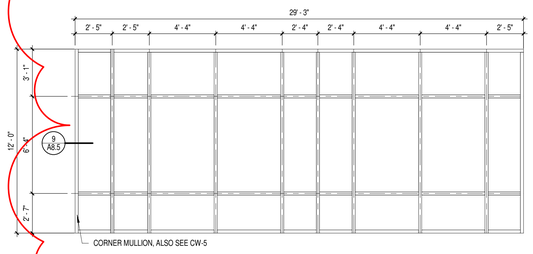

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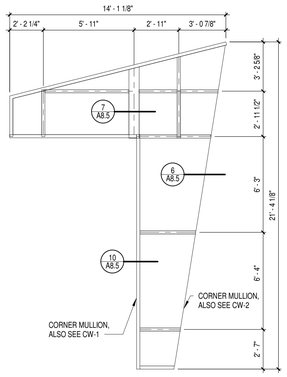

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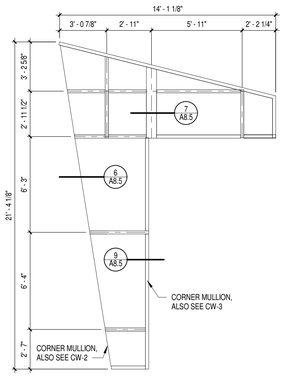

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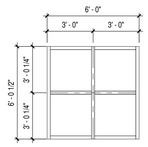

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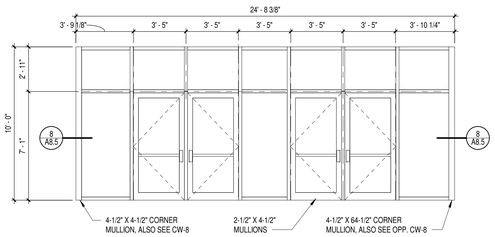

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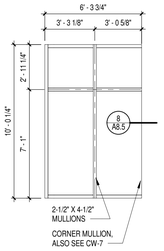

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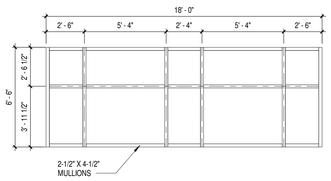

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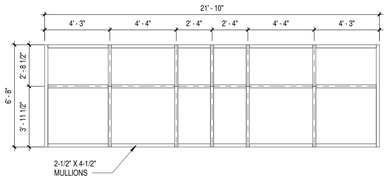

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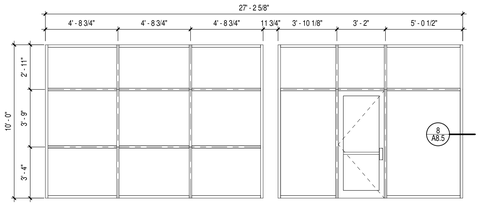

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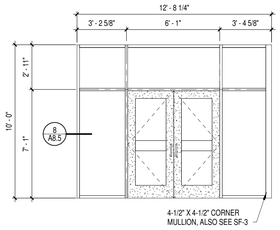

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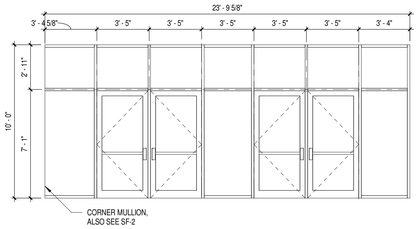

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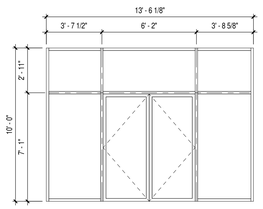

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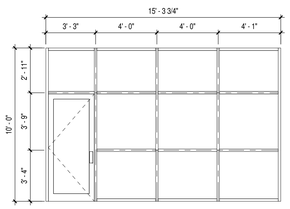

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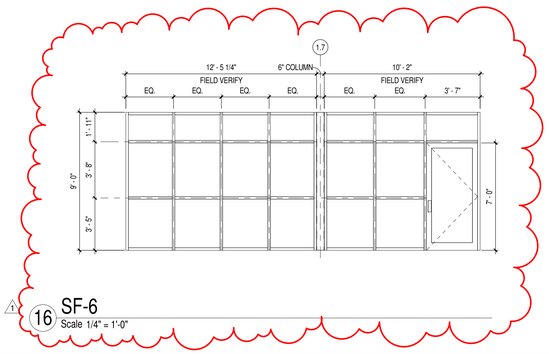

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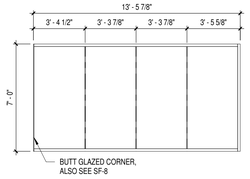

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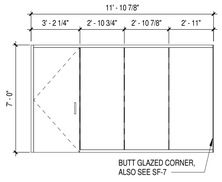

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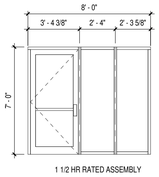

19 SF-9
Scale 1/4" = 1'-0"

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Project Title:
ADDITION AND RENOVATION TO
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Little Chute Area School District
1402 Freedom Rd Little Chute, WI 54140

REVISIONS:

#	DATE	DESCRIPTION
1	9/25/17	ADD-1

Project Number:
3294

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Sheet Title:
CURTAINWALL & STOREFRONT TYPES

Sheet Number:
A8.2

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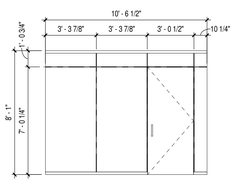

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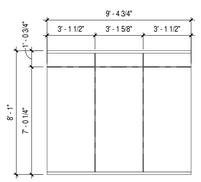

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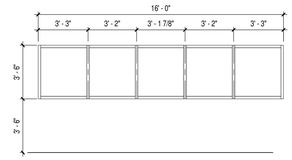

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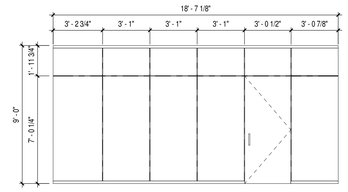

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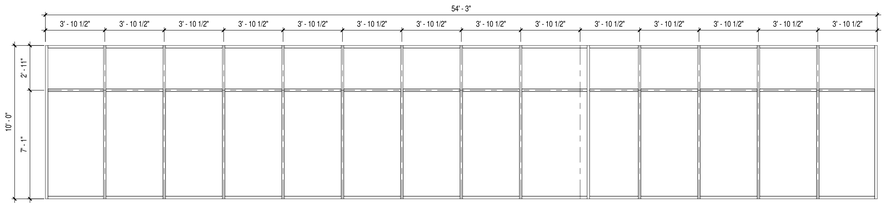

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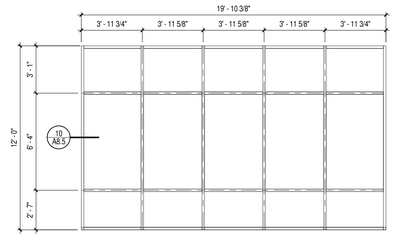

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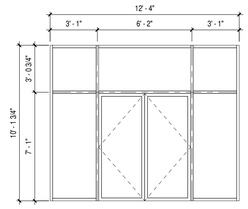

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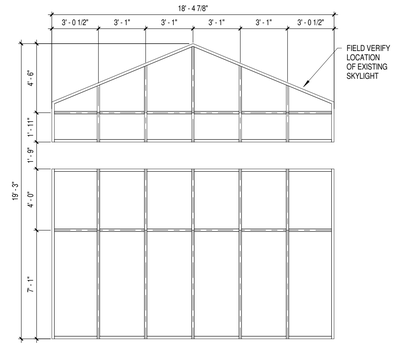

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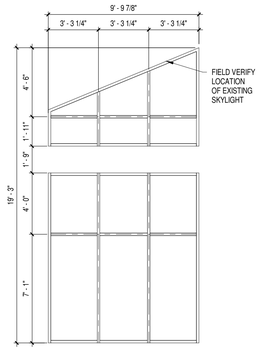

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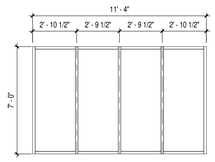

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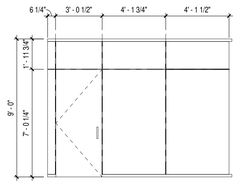

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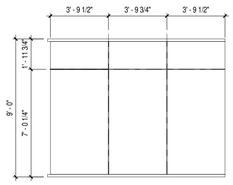

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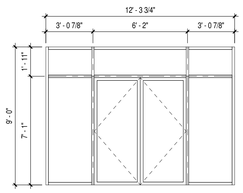

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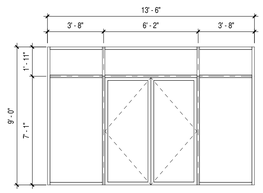

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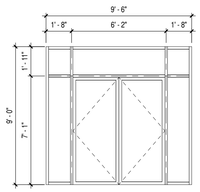

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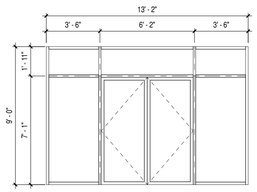

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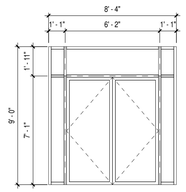

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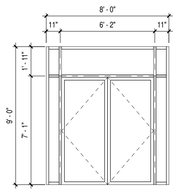

18 SF-27
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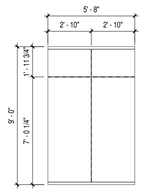

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Scale 1/4" = 1'-0"

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Project Title:
ADDITION AND RENOVATION TO
LITTLE CHUTE HIGH/ MIDDLE/ INTERMEDIATE SCHOOL
Little Chute Area School District
1402 Freedom Rd Little Chute, WI 54140

REVISIONS:

#	DATE	DESCRIPTION

Project Number:
3294

Issued For:
BID PACKAGE- 2 PROGRESS SET

Sheet Title:
STOREFRONT TYPES

Sheet Number:
A8.3

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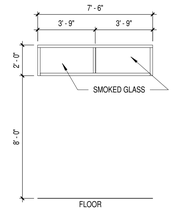
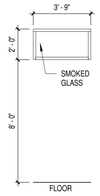
GENERAL NOTES

1. ALL CURTAIN WALL MULLIONS TO BE 2-1/2" X 6" UNLESS OTHERWISE NOTED.
2. ALL STOREFRONT TO BE 2" X 4-1/2" CONTINUOUS VERTICAL, TOP, BOTTOM, & SIDE MULLIONS UNLESS OTHERWISE NOTED.



1 BL-1
Scale 1/4" = 1'-0"



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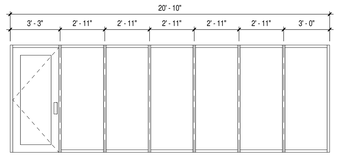

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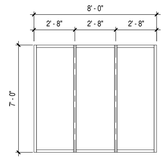
4 BL-4
Scale 1/4" = 1'-0"



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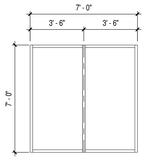

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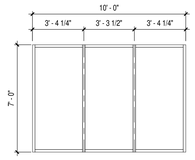
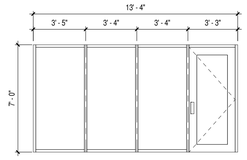
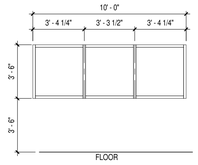


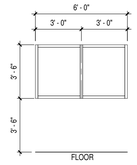
7 BL-7
Scale 1/4" = 1'-0"



8 BL-8
Scale 1/4" = 1'-0"



9 BL-9
Scale 1/4" = 1'-0"



10 BL-10
Scale 1/4" = 1'-0"

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Sheet Title:
BORROWED LIGHT TYPES

Sheet Number:
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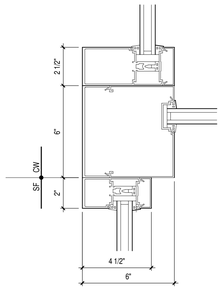
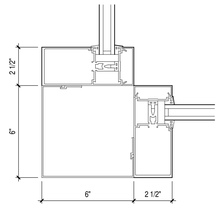


10 CURTAINWALL TO STOREFRONT PLAN DETAIL B
Scale 3" = 1'-0"



9 CURTAINWALL PLAN DETAIL B
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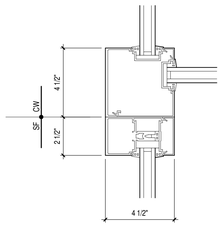

8 CURTAINWALL TO STOREFRONT PLAN DETAIL A
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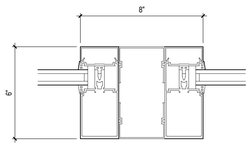

7 CURTAINWALL PLAN DETAIL A
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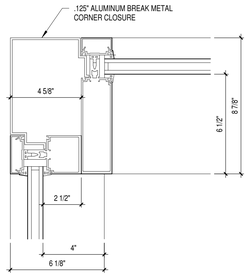
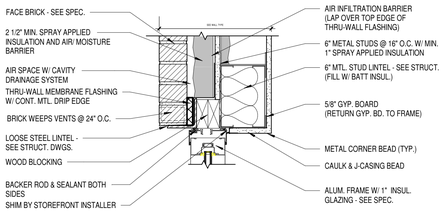
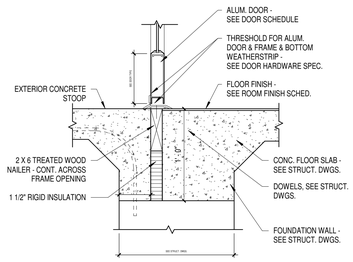


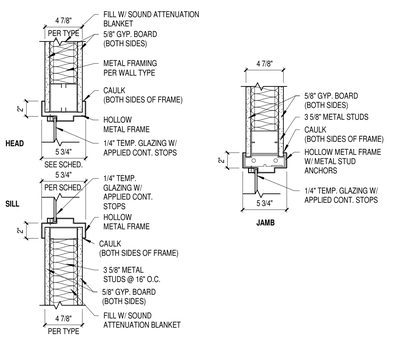
6 CURTAINWALL CORNER DETAIL
Scale 3" = 1'-0"



5 TYPICAL LOOSE STEEL BRICK LINTEL
Scale 1 1/2" = 1'-0"



4 ALUM. CURTAINWALL DOOR SILL
Scale 1 1/2" = 1'-0"



3 BORROWED LITE @ METAL FRAMED WALL
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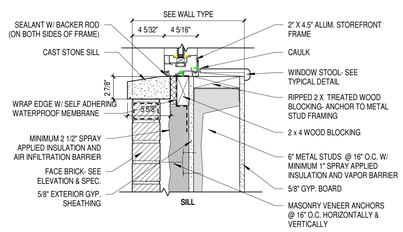
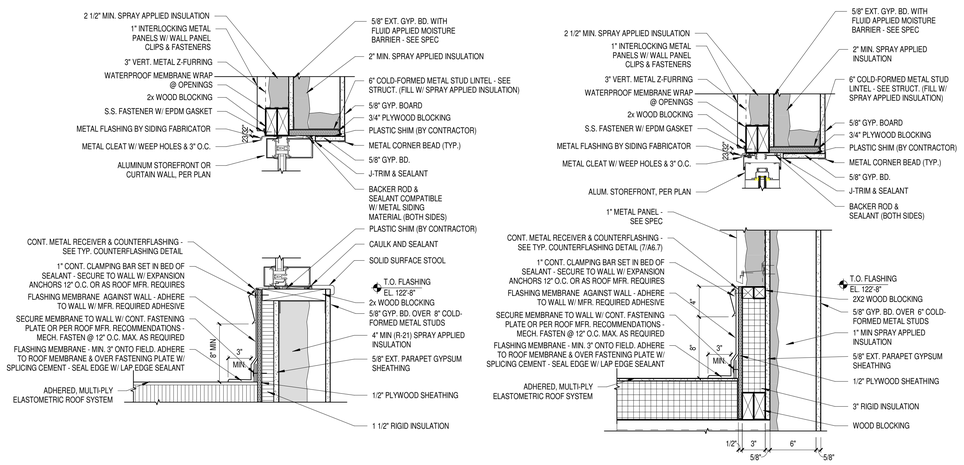


2 ALUM. STOREFRONT SILL- WALL Y1
Scale 1 1/2" = 1'-0"



1 COUNTERFLASHING @ METAL PANEL
Scale 1 1/2" = 1'-0"

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Sheet Title:
STOREFRONT CURTAINWALL DETAILS

Sheet Number:
A8.5

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Room Finish Schedule

Room Number	Room Name	Department	Floor Finish	Base Finish	Wall Finish	Frame Finish	Countertop Finish	Casework Finish	Comments
B100	SECURE VESTIBULE	New Construction	WCPT	VB	PT-1	PT-7			
B101	Corr.	New Construction	TT-1*	VB	PT-1*	PT-7			
B102	Office Reception	New Construction	CPT-2A*	VB	PT-1	PT-7	PLAM-3	PLAM-4	
B102A	Tlt.	New Construction	PCT-1	VB	PT-1	PT-7			
B103	Conf. Room	New Construction	CPT-2C	VB	PT-1	PT-7			
B104	ISS	New Construction	CPT-2C	VB	PT-1	PT-7			
B105	PSL	New Construction	CPT-2C	VB	PT-1	PT-7			
B106	ISS	New Construction	CPT-2C	VB	PT-1	PT-7			
B107	MS Principal	New Construction	CPT-2C	VB	PT-1	PT-7			
B108	ISS	New Construction	CPT-2C	VB	PT-1	PT-7			
B109	Corridor	New Construction	CPT-2A*	VB	PT-1	PT-7			NA
B110	HS Principal	New Construction	CPT-2C	VB	PT-1	PT-7			
B112	Work Room	New Construction	CPT-2A*	VB	PT-1	PT-7			
B113	Admin. Assist.	New Construction	CPT-2C	VB	PT-1	PT-7			
B114	Assist. Prin.	New Construction	CPT-2C	VB	PT-1	PT-7			
B115	Records	New Construction	CPT-2C	VB	PT-1	PT-7			
B116	A/D	New Construction	CPT-2C	VB	PT-1	PT-7			
B117	Lounge	New Construction	VCT	VB	PT-1	PT-7			
B118	Conf. Room	New Construction	CPT-2C	VB	PT-1	PT-7			
B119	Tlt.	New Construction	PCT-1	VB	PT-1	PT-7			
B120	Health Room	New Construction	VCT	VB	PT-1	PT-7			
B121	Corr.	New Construction	VCT	VB	PT-1	PT-7			
B121A	Nurse's Office	New Construction	CPT-2C	VB	PT-1	PT-7			
B121B	Spec. Aid Tlt.	New Construction	PCT-1	VB	PT-1	PT-7			
B122	STORAGE	New Construction	S. CONC.	VB	PT-1	PT-7			
B200	LIBRARY	New Construction	CPT-3A*	VB	PT-1	PT-7	PLAM-5	PLAM-6	
B200A	SGI	New Construction	CPT-1C*	VB	PT-1	PT-7			
B200B	OFFICE	New Construction	CPT-2C	VB	PT-1	PT-7			
B200C	SGI	New Construction	CPT-2C	VB	PT-1	PT-7			
B201	WOMEN'S TOILET	New Construction	PCT-1		PT-1	PT-7			
B201.a	Green Room	New Construction	PCT-1	VB	PT-1	PT-7			
B202	MEN'S TOILET	New Construction	PCT-1		PT-1	PT-7			
B203	CORRIDOR	New Construction	CPT-2A*	VB	PT-1	PT-7			
C101	Kitchen	Renovation	RES	VB	PT-1	PT-7			NA
C101.a	Kitchen - Coolers	Renovation	RES		PT-1	PT-7			NA
C101.B	Dry Storage Room	Renovation	RES		PT-1	PT-7			NA
C101D	OFFICE	Renovation							
C101E	Changing Room	Renovation							
C102	CAFE / DINING/ COLLABORATION	Renovation	PCT-2*	CB	PT-1*	PT-7			
C102.a	Storage	Renovation	-	-	PT-1	PT-7			
C113	Kitchen Service Line	Renovation	PCT-3		PT-1	PT-7			
D200	District Offices Reception	Renovation	CPT-2A*	VB	PT-1	PT-7			
D201	Conf. Room	Renovation	CPT-2C	VB	PT-1	PT-7			
D202	Office #1	Renovation	CPT-2C	VB	PT-1	PT-7			
D203	Conf. Room	Renovation	CPT-2C	VB	PT-1	PT-7			
D204	Office #2	Renovation	CPT-2C	VB	PT-1	PT-7			
D205	Women's Toilet	Renovation	PCT-1	VB	PT-1	PT-7			
D206	Office #3	Renovation	CPT-2C	VB	PT-1	PT-7			
D207	Men's Toilet	Renovation	PCT-1	VB	PT-1	PT-7			
D208	Office #4	Renovation	CPT-2C	VB	PT-1	PT-7			
D209	Break	Renovation	VCT	VB	PT-1	PT-7			
D210	Office #5	Renovation	CPT-2C	VB	PT-1	PT-7			
D211	Work Room	Renovation	VCT	VB	PT-1	PT-7			
D212	Office #6	Renovation	CPT-2C	VB	PT-1	PT-7			
D213	Office #7	Renovation	CPT-2C	VB	PT-1	PT-7			
D214	Corr.	Renovation	CPT-2C	VB	PT-1	PT-7			
F200	Corr.	Renovation	VCT	VB	PT-1	PT-7			NA
F202	MECH.	Renovation							
F203	Aerobics / Dance	Renovation	WCPT	VB	PT-1	PT-7			NA
F204	STOR	Renovation							
G101	Multi-Purpose / Wrestling	Renovation	RUB	VB	PT-1	PT-7			
H109	SGI	Renovation	CPT-1A*	VB	PT-1	PT-7			NA
H120	STEAM LAB	Renovation	RES		PT-1	PT-7			NA
H121	STEAM LAB	Renovation	RES		PT-1	PT-7			NA
H125	Tech Ed Classroom	Renovation	CPT-1A*	VB	PT-1	PT-7			
H126A	STOR.	Renovation							
H190	STAIR-A1	Renovation			PT-1	PT-7			
H214	EMPLOYEE HEALTH CLINIC	Renovation	VCT	VB	PT-1	PT-7			
H216	Math Classroom	Renovation	CPT-1A*	VB	PT-1	PT-7			
H217	Collaboration	Renovation	CPT-1A*	VB	PT-1	PT-7			
H217.a	Math Classroom	Renovation	CPT-1A*	VB	PT-1	PT-7			
H217.b	Math Classroom	Renovation	CPT-1A*	VB	PT-1	PT-7			
H217.c	College Classroom	Renovation	CPT-1A*	VB	PT-1	PT-7			
H217.d	Collaboration	Renovation	CPT-1C*	VB	PT-1	PT-7			
H218	Spanish	Renovation	CPT-1A*	VB	PT-1	PT-7			
H219	IT	Renovation	VCT	VB	PT-1	PT-7			NA
H229	Sped Ed. ID Classroom	Renovation	CPT-1A*	VB	PT-1	PT-7			NA
H229.A	Spec. Aid Tlt.	Renovation	PCT	VB	PT-1	PT-7			
H229.B	Sensory Room	Renovation	CPT-1A*	VB	PT-1	PT-7			

Room Finish Schedule

Room Number	Room Name	Department	Floor Finish	Base Finish	Wall Finish	Frame Finish	Countertop Finish	Casework Finish	Comments
H232	Transition Spec Ed ID Classroom	Renovation	CPT-1A*	VB	PT-1	PT-7			NA
H245	English	Renovation	-	VB	PT-1	PT-7			NA
H246	English	Renovation	-	VB	PT-1	PT-7			NA
H247	New Mechanical Room	Renovation	S. CONC.	VB	PT-1	PT-7			NA
H257	Collaboration	Renovation	CPT-1C*	VB	PT-1	PT-7			
M102	Flex Academy Mixed-Use	Renovation	CPT-1C*	VB	PT-1	PT-7			NA
M103	Flex Academy Classroom	Renovation	CPT-1C*	VB	PT-1	PT-7			NA
M104	Flex Academy Collaboration	Renovation	CPT-1C*	VB	PT-1	PT-7			NA
M105	Flex Academy Classroom	Renovation	CPT-1C*	VB	PT-1	PT-7			
M106	Flex Academy Collaboration	Renovation	CPT-1C*	VB	PT-1	PT-7			NA
M107	Flex Academy	Renovation	CPT-1C*	VB	PT-1	PT-7			NA
M108	Flex Academy	Renovation	CPT-1C*	VB	PT-1	PT-7			NA
M109	Flex Academy Storage	Renovation		VB	PT-1	PT-7			
M110	5th Grade Classroom	Renovation	CPT-1A*	VB	PT-1	PT-7	PLAM-1	PLAM-2	NA
M111	5th Grade Classroom	Renovation	CPT-1A*	VB	PT-1	PT-7	PLAM-1	PLAM-2	
M112	5th Grade Collaboration	Renovation	CPT-1A*	VB	PT-1	PT-7			NA
M112a	Lockers	Renovation		VB	PT-1	PT-7			
M113	5th Grade Classroom	Renovation	CPT-1A*	VB	PT-1	PT-7	PLAM-1	PLAM-2	
M115.A	VEST.	Renovation	WCPT	VB	PT-1	PT-7			
M120	6th Grade Classroom	Renovation	CPT-1A*	VB	PT-1	PT-7	PLAM-1	PLAM-2	NA
M121	6th Grade Collaboration	Renovation	CPT-1A*	VB	PT-1	PT-7			NA
M121a	Lockers	Renovation			PT-1	PT-7			
M122	6th Grade Classroom	Renovation	CPT-1A*	VB	PT-1	PT-7	PLAM-1	PLAM-2	NA
M123	SGI	Renovation	CPT-1C*	VB	PT-1	PT-7			NA
M200	Speech & Language Office	Renovation	CPT-2C	VB	PT-1	PT-7			
M202	Sensory Room	Renovation	CPT-1A*	VB	PT-1	PT-7			
M207	UNI-SEX TLT.	Renovation	PCT-1	VB	PT-1	PT-7			
M207.a	UNI-SEX TLT.	Renovation	PCT-1	VB	PT-1	PT-7			
M208	Prep / Storage	Renovation							
M214	Workroom / Break Room	Renovation	VCT	VB	PT-1	PT-7			NA
M216	8th Grade Collaboration	Renovation	CPT-1C*	VB	PT-1	PT-7			NA
M216.b	SGI	Renovation	CPT-1C*	VB	PT-1	PT-7			
M226	7th Grade Collaboration	Renovation	CPT-1C*	VB	PT-1	PT-7			NA
M226.a	SGI	Renovation	CPT-1C*	VB	PT-1	PT-7			
P100	PUPIL SERVICES - RECEPTION	Renovation	CPT-2A*	VB	PT-1	PT-7	PLAM-3	PLAM-4	
P100A	Corr.	Renovation	CPT-2A*	VB	PT-1	PT-7			
P100B	PUPIL SERVICES - COLLABORATION	Renovation	CPT-2A*	VB	PT-1	PT-7			
P101	SMALL CONF.	Renovation	CPT-2C	VB	PT-1	PT-7			
P102	MS COUNSELOR OFFICE	Renovation	CPT-2C	VB	PT-1	PT-7			
P103	LARGE CONF.	Renovation	CPT-2C	VB	PT-1	PT-7			
P105	PSYCHOLOGIST	Renovation	CPT-2C	VB	PT-1	PT-7			NA
P106	Counselor- 1	Renovation	CPT-2C	VB	PT-1	PT-7			
P107	Counselor- 2	Renovation	CPT-2C	VB	PT-1	PT-7			
P108	Counselor- 3	Renovation	CPT-2C	VB	PT-1	PT-7			
ST-1	STAIR- B1	New Construction	WCPT	-	PT-1	PT-7			NA

MATERIAL ID

BURNISHED BLOCK
BB-1 COUNTY MATERIALS PREMIER ULTRA. NORTH STAR 63 222C. SEALED. FIELD.
BB-2 COUNTY MATERIALS PREMIER ULTRA. MOON BEAM 63-214B. SEALED. ACCENT.

PLASTIC LAMINATE
PLAM-1 WILSONART. PINBALL 4937-38. *CLASSROOM COUNTERS.*
PLAM-2 WILSONART. PARK ELM 7967-12. *CLASSROOM CASEWORK.*
PLAM-3 WILSONART. WHITE CARRARA 4924. *ADMIN COUNTERS.*
PLAM-4 WILSONART. 5TH AVE ELM 7966K-12. *ADMIN CASEWORK.*
PLAM-5 LIBRARY COUNTERS.
PLAM-6 FORMICA. SILVER RIFTWOOD 6413-NG. *LIBRARY CASEWORK.*
PLAM-7 WILSONART. BRAZILWOOD 7946-38. *DOORS.*

SOLID SURFACE
SSF-1 HI-MACS. T017 ANDROMEDA. *LIBRARY COUNTER.*
SSF-2

TILING
CB COVE BASE

PCT-1 RBC. BACK BAY. FRONTIER. ICE FIELD. UNIT SIZE: 12" X 24". *RESTROOMS, FLOOR AND WALL.*
PCT-2 RBC. CAESAR. LAYERS. COLD 02. UNIT SIZE: 11-13/16 X 23-5/8 (30CM X 60CM). *CAFE FLOOR.*
PCT-3 RBC. CAESAR. LAYERS. BLANK 00. UNIT SIZE: 11-13/16 X 23-5/8 (30CM X 60CM). *CAFE FLOOR.*
PCT-4 RBC. BACK BAY. FRONTIER. MOUNTAIN RANGE. UNIT SIZE: 2" X 2" MOSAIC. *RESTROOMS.*
PCT-5 RBC. CAESAR. LAYERS. WIRE 00. UNIT SIZE: 23-5/8" X 23-5/8" (60CM X 60CM). *CAFE WALL.*
PCT-6 RBC. CAESAR. LAYERS. WIRE 02. UNIT SIZE: 11-13/16" X 11-13/16" (30CM X 30CM). *CAFE WALL.*

DE DECORATIVE EDGE. SCHLUTER SYSTEMS. RONDEC-DB. SATIN ANODIZED ALUMINUM (AE). UNIT SIZE: 8' 2-1/2" (2.5M).

GR GROUT, FLOOR.
GR GROUT, WALL.

FLOORING, RUBBER
RUB

FLOORING, WALL BASE
WB JOHNSONITE. CHARCOAL.

FLOORING, VINYL COMPOSITION TILE
VCT MATCH EXISTING.

FLOORING, RESINOUS EPOXY
RES STONHARD. STONSHIELD. COBALT. SANDED. INTEGRAL 4" COVE BASE. HRI FOR KITCHENS AND HEAVY EQUIPMENT AREAS.

FLOORING, CARPET
CPT-1A MILLIKEN. JOURNAL. FREEHAND. *CUSTOM* DARK AND MEDIUM BLUE ACCENTS. UNIT SIZE: 19.7" X 19.7" (50CM X 50CM). MONOLITHIC.
CPT-1B MILLIKEN. JOURNAL. INSCRIPTION. *CUSTOM* DARK AND MEDIUM BLUE ACCENTS. UNIT SIZE: 19.7" X 19.7" (50CM X 50CM). MONOLITHIC.
CPT-1C MILLIKEN. JOURNAL. LINE BY LINE. *CUSTOM* DARK AND MEDIUM BLUE ACCENTS. UNIT SIZE: 19.7" X 19.7" (50CM X 50CM). MONOLITHIC, QUARTER-TURN, OR ASHLAR.
CPT-2A MILLIKEN. NORDIC STORIES. TECTONIC. FJORD. BACKING: STANDARD OR TRACTIONBACK. ADMIN/RECEPTION. UNIT SIZE: 19.7" X 19.7" (50CM X 50CM). MONOLITHIC OR QUARTER-TURN.
CPT-2B MILLIKEN. NORDIC STORIES. HIDDEN PLANIS. FJORD. FIELD. OFFICES. UNIT SIZE: 19.7" X 19.7" (50CM X 50CM). MONOLITHIC OR QUARTER-TURN.
CPT-3A MILLIKEN. CONTINENTAL. CRYSTALLINE. KYANITE. CRY123-178. LIBRARY. UNIT SIZE: 9.85" X 39.4" (25CM X 1M). VERTICAL ASHLAR RANDOM. 135 DEGREES.
CPT-3B MILLIKEN. CONTINENTAL. RIFT. SODALITE. RIF182-123. LIBRARY. UNIT SIZE: 9.85" X 39.4" (25CM X 1M). VERTICAL ASHLAR RANDOM. 135 DEGREES.
CPT-4A MILLIKEN. LYCEUM. PLATO. DARK BLUE.
CPT-4B MILLIKEN. LYCEUM. PLATO. LIGHT BLUE.

FLOORING, WALK-OFF CARPET
WCPT INTERFACE. SUPER FLOR. GREY. VESTIBULES. UNIT SIZE: 24" X 24" NOMINAL (50CM X 50CM).
WCPT INTERFACE. SUPER FLOR. OCEANUS. VESTIBULES. UNIT SIZE: 24" X 24" NOMINAL (50CM X 50CM).

TACKABLE SURFACE
TS-1 GUILFORD OF MAINE. QUADRILLE 4701. CABARET 1002. (LT GRAY)
TS-2 GUILFORD OF MAINE. QUADRILLE 4701. FAIR 1001. (LT BEIGE)

ACOUSTICAL WALL PANEL
AWP-1 GUILFORD OF MAINE.
AWP-2 GUILFORD OF MAINE.

PAINT
PT-1 SHERWIN WILLIAMS. SW9165 (238-C1) GOSSAMER VEIL. (LIGHT NEUTRAL)
PT-2 SHERWIN WILLIAMS. SW7008 (255-C2) ALABASTER. (WHITE)
PT-3 SHERWIN WILLIAMS. SW7072 (235-C2) ONLINE. (GRAY)
PT-4 HALLMAN LINDSAY. CARIBBEAN CURRENT 0598. (LIGHT BLUE)
PT-5 HALLMAN LINDSAY. FLORIDA WATERS 0599 (MEDIUM BLUE)
PT-6 HALLMAN LINDSAY. STAR-STUDDED 0620. (DARK BLUE)
PT-7 SHERWIN WILLIAMS. SW7068 (236-C6) GRIZZLE GRAY. DOOR & WINDOW FRAMES.

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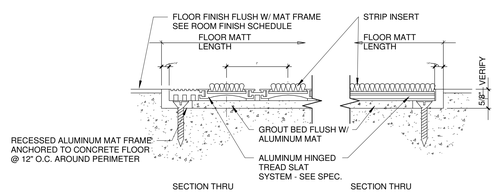

ROOM FINISH TAG KEY

ROOM NAME
ROOM #
WALL FINISH | WALL BASE FINISH
FLOOR FINISH

COUNTERTOP FINISH
CASEWORK FINISH

NOTE:
1. WHEN MATERIAL TYPE IS FOLLOWED BY AN (*) REFER TO PLAN/ ELEVATION DRAWING FOR MATERIAL DIFFERENTIATION

2. WHEN MATERIAL NUMBER IS FOLLOWER BY AN (*) DIFFERENTIATION OF MATERIAL IS NOTED ON PLAN/ ELEVATION DRAWINGS.

GENERAL NOTES- FINISH PLAN

1. Text

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Project Title:
ADDITION AND RENOVATION TO
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ROOM FINISH SCHEDULE

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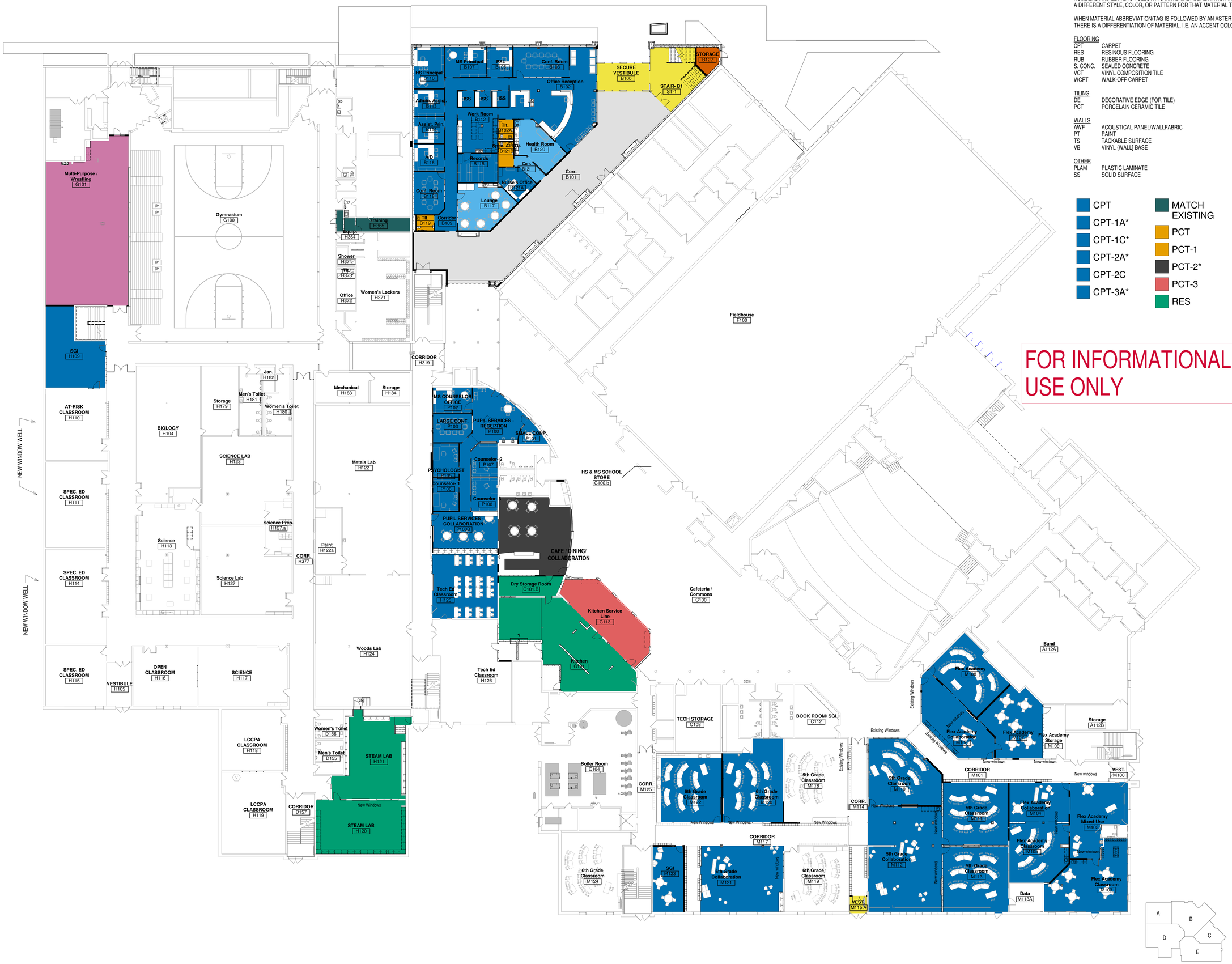

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INTERIOR FINISH ABBREVIATIONS

NUMBERS AND LETTERS FOLLOWING MATERIAL ABBREVIATION INDICATE A DIFFERENT STYLE, COLOR, OR PATTERN FOR THAT MATERIAL TYPE.

WHEN MATERIAL ABBREVIATION/TAG IS FOLLOWED BY AN ASTERISK (*), THERE IS A DIFFERENTIATION OF MATERIAL, I.E. AN ACCENT COLOR.

FLOORING

CPT	CARPET
RES	RESINOUS FLOORING
RUB	RUBBER FLOORING
S. CONC.	SEALED CONCRETE
VCT	VINYL COMPOSITION TILE
WCPT	WALK-OFF CARPET

TILING

DE	DECORATIVE EDGE (FOR TILE)
PCT	PORCELAIN CERAMIC TILE

WALLS

AWF	ACOUSTICAL PANEL/WALLFABRIC
PT	PAINT
TS	TACKABLE SURFACE
VB	VINYL [WALL] BASE

OTHER

PLAM	PLASTIC LAMINATE
SS	SOLID SURFACE

CPT
CPT-1A*
CPT-1C*
CPT-2A*
CPT-2C
CPT-3A*
MATCH EXISTING
PCT
PCT-1
PCT-2*
PCT-3
RES
RUB
S. CONC.
TT-1*
VCT
WCPT

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FINISH PLAN - FIRST FLOOR OVERALL

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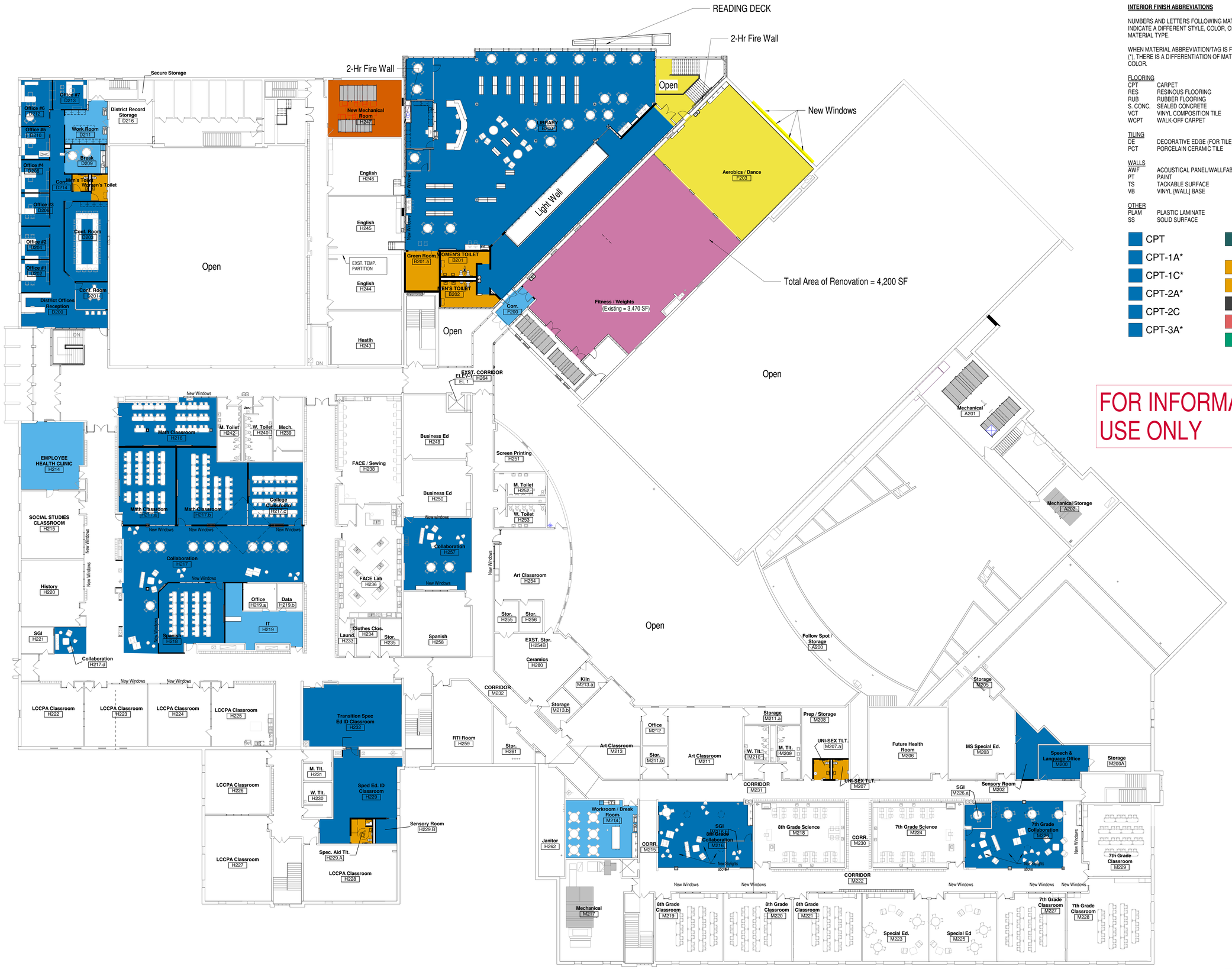

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NUMBERS AND LETTERS FOLLOWING MATERIAL ABBREVIATION INDICATE A DIFFERENT STYLE, COLOR, OR PATTERN FOR THAT MATERIAL TYPE.

WHEN MATERIAL ABBREVIATION/TAG IS FOLLOWED BY AN ASTERISK (*), THERE IS A DIFFERENTIATION OF MATERIAL, I.E. AN ACCENT COLOR.

FLOORING
CPT CARPET
RES RESINOUS FLOORING
RUB RUBBER FLOORING
S. CONC. SEALED CONCRETE
VCT VINYL COMPOSITION TILE
WCPT WALK-OFF CARPET

TILING
DE DECORATIVE EDGE (FOR TILE)
PCT PORCELAIN CERAMIC TILE

WALLS
AWF ACOUSTICAL PANEL/WALLFABRIC
PT PAINT
TS TACKABLE SURFACE
VB VINYL [WALL] BASE

OTHER
PLAM PLASTIC LAMINATE
SS SOLID SURFACE

CPT
CPT-1A*
CPT-1C*
CPT-2A*
CPT-2C
CPT-3A*
MATCH EXISTING
PCT
PCT-1
PCT-2*
PCT-3
RES
RUB
S. CONC.
TT-1
VCT
WCPT

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FINISH PLAN - SECOND FLOOR OVERALL

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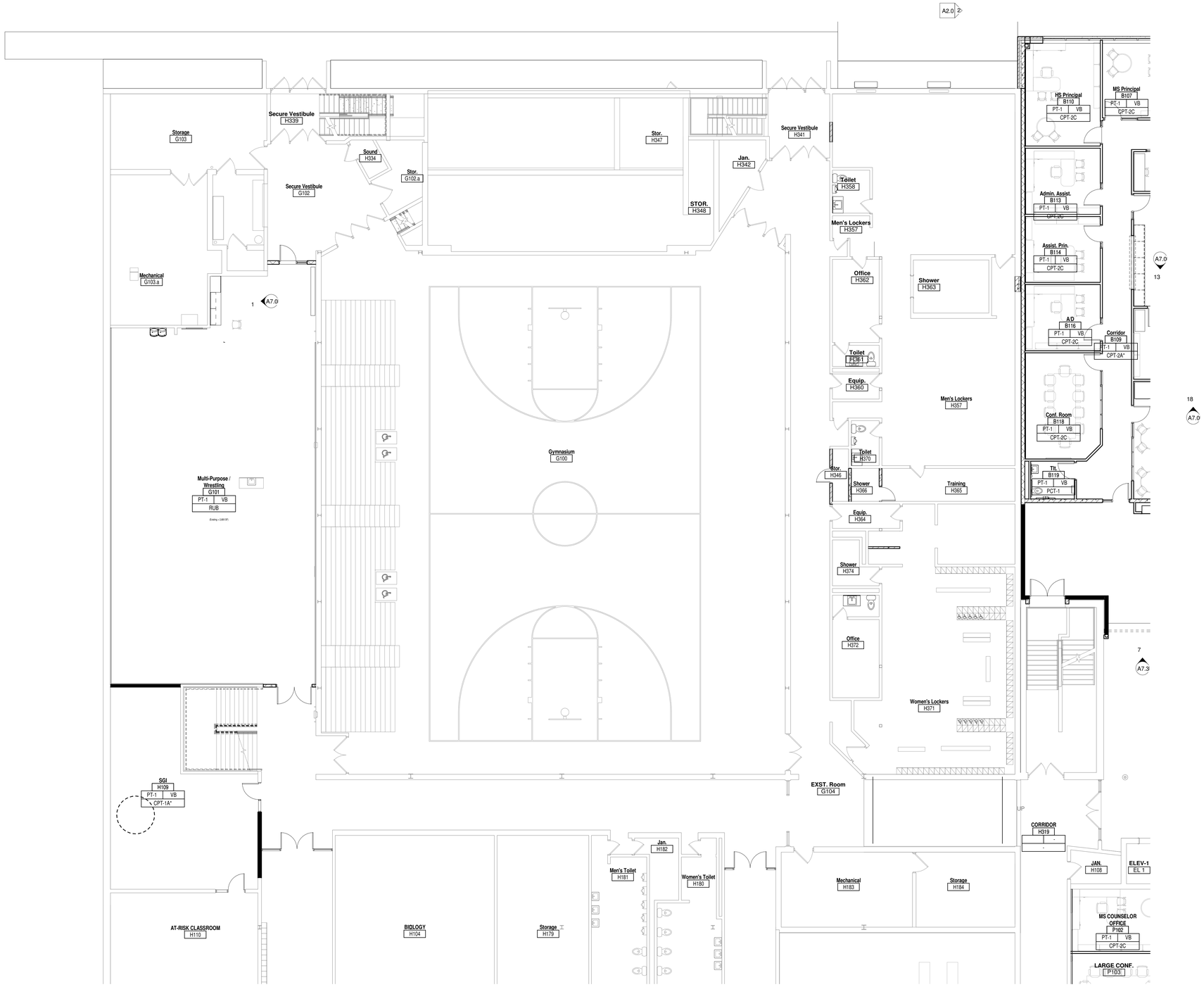

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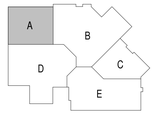

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FINISH PLAN - FIRST FLOOR UNIT A

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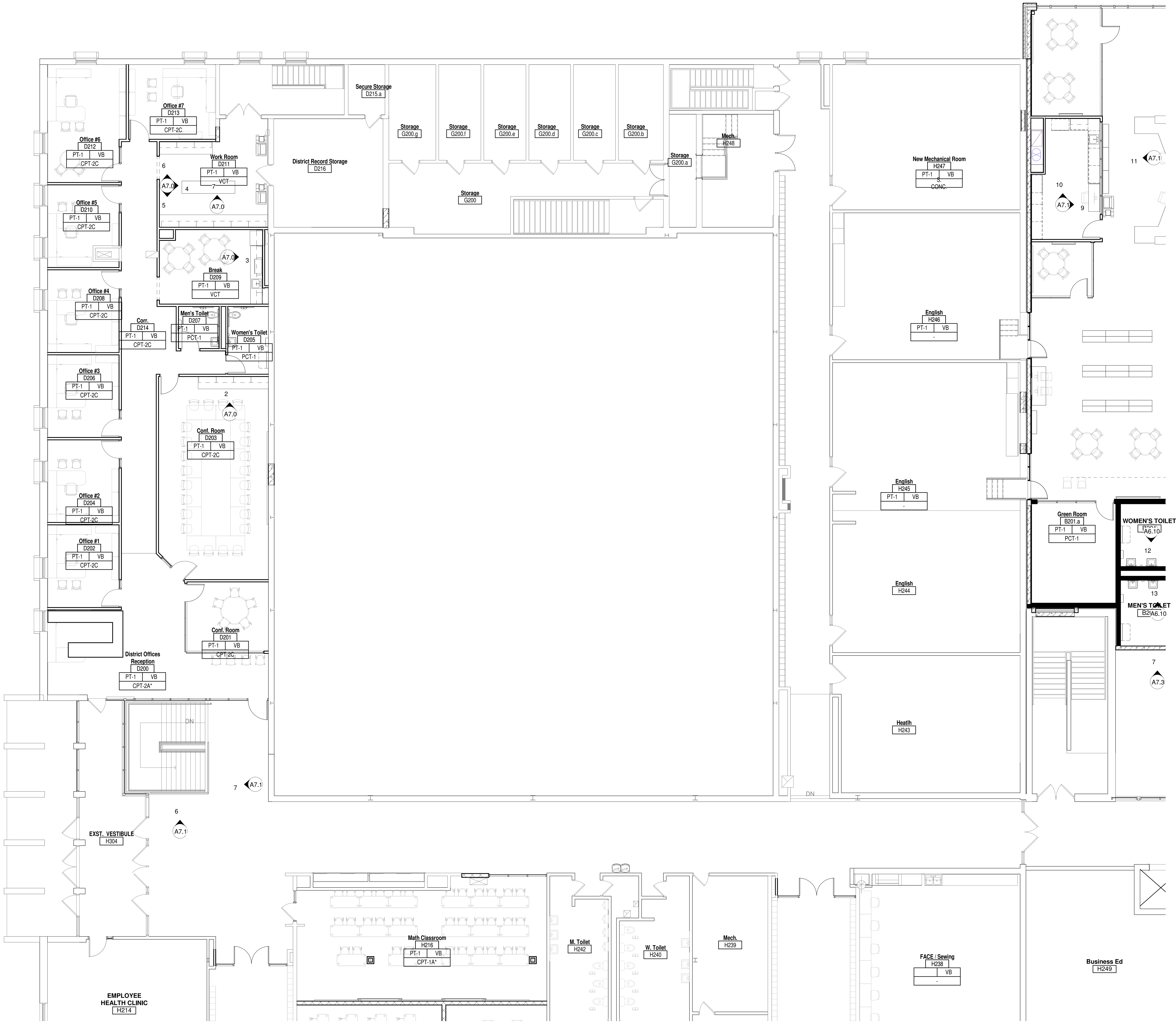
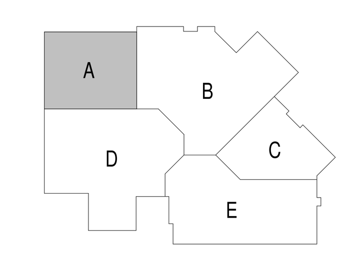
LOCKERS ADDED	16
LOCKERS TO REMAIN	80
TOTAL (verify)	96
TOTAL REQ. (verify)	**240**



Math Classroom



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FINISH PLAN - FIRST FLOOR UNIT B

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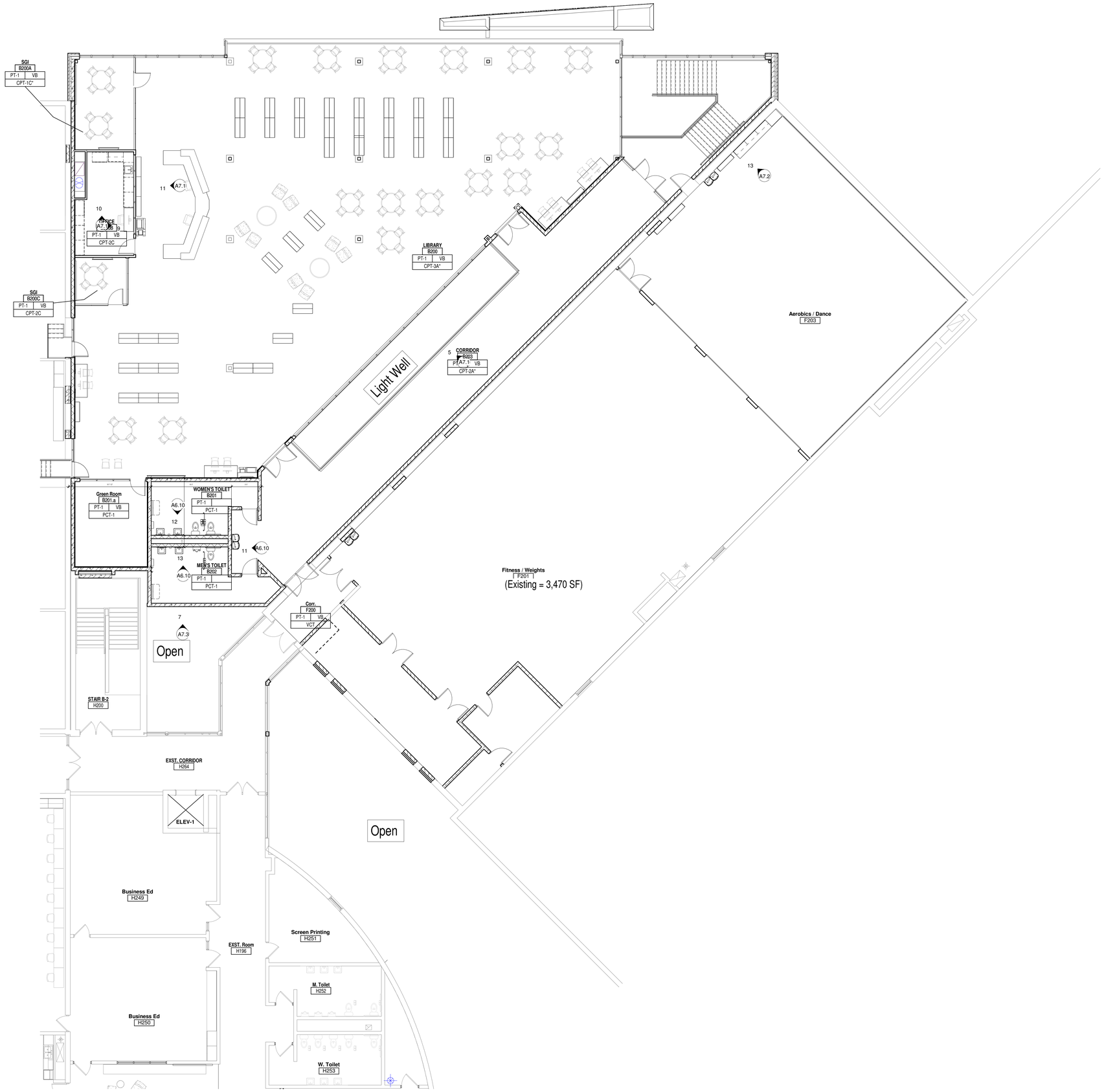

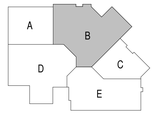

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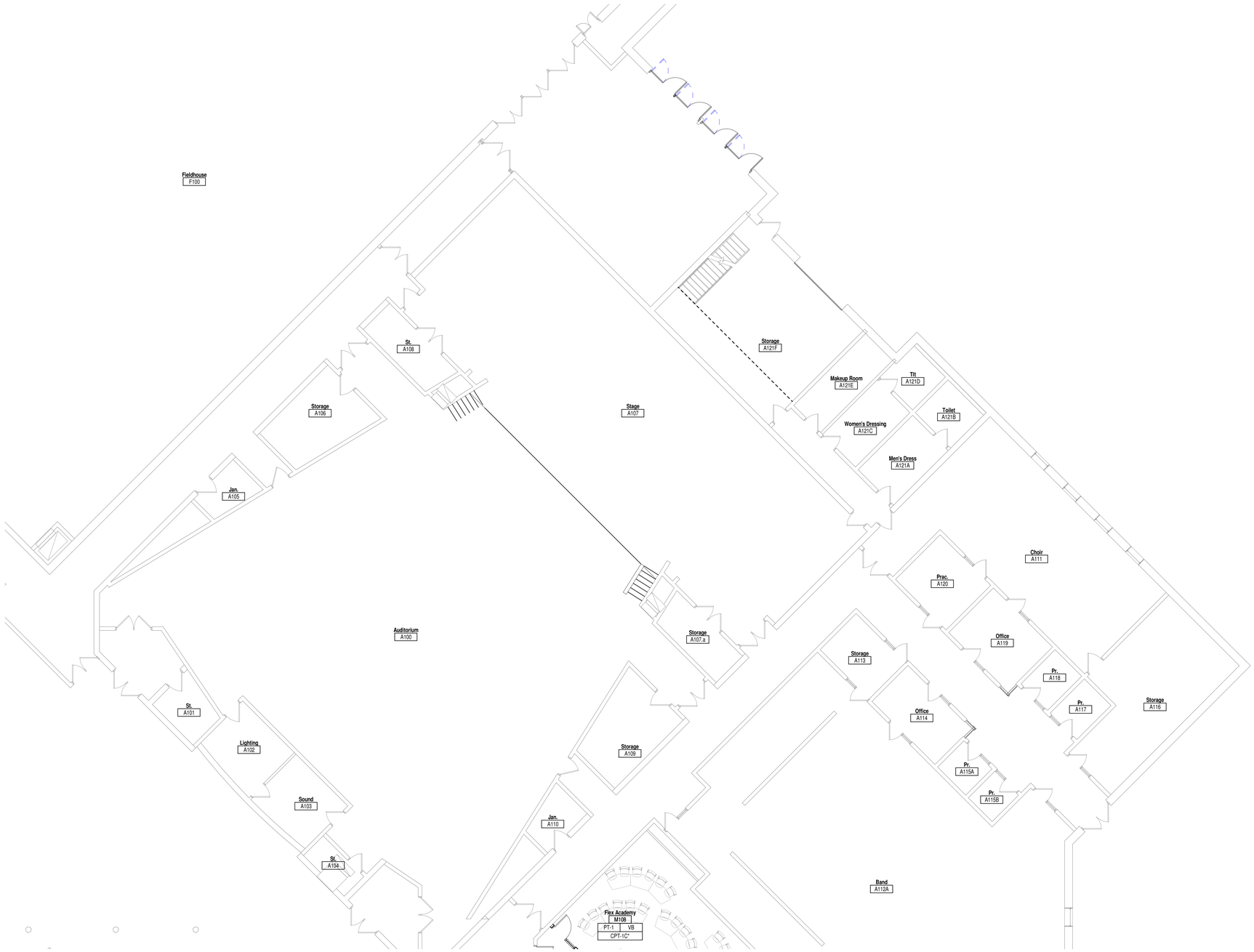

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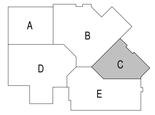

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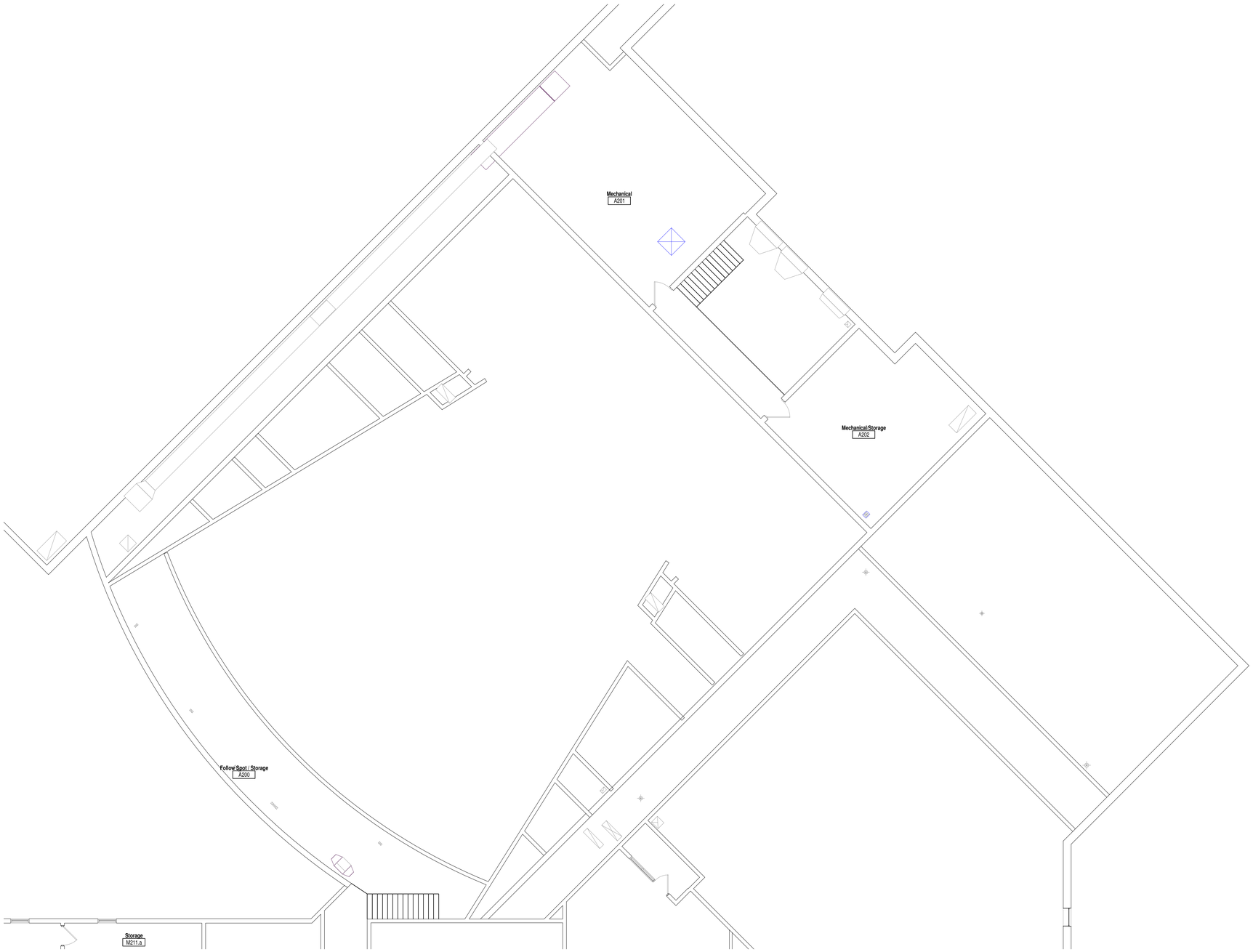

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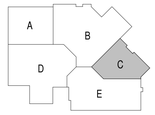

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FINISH PLAN - FIRST FLOOR UNIT D

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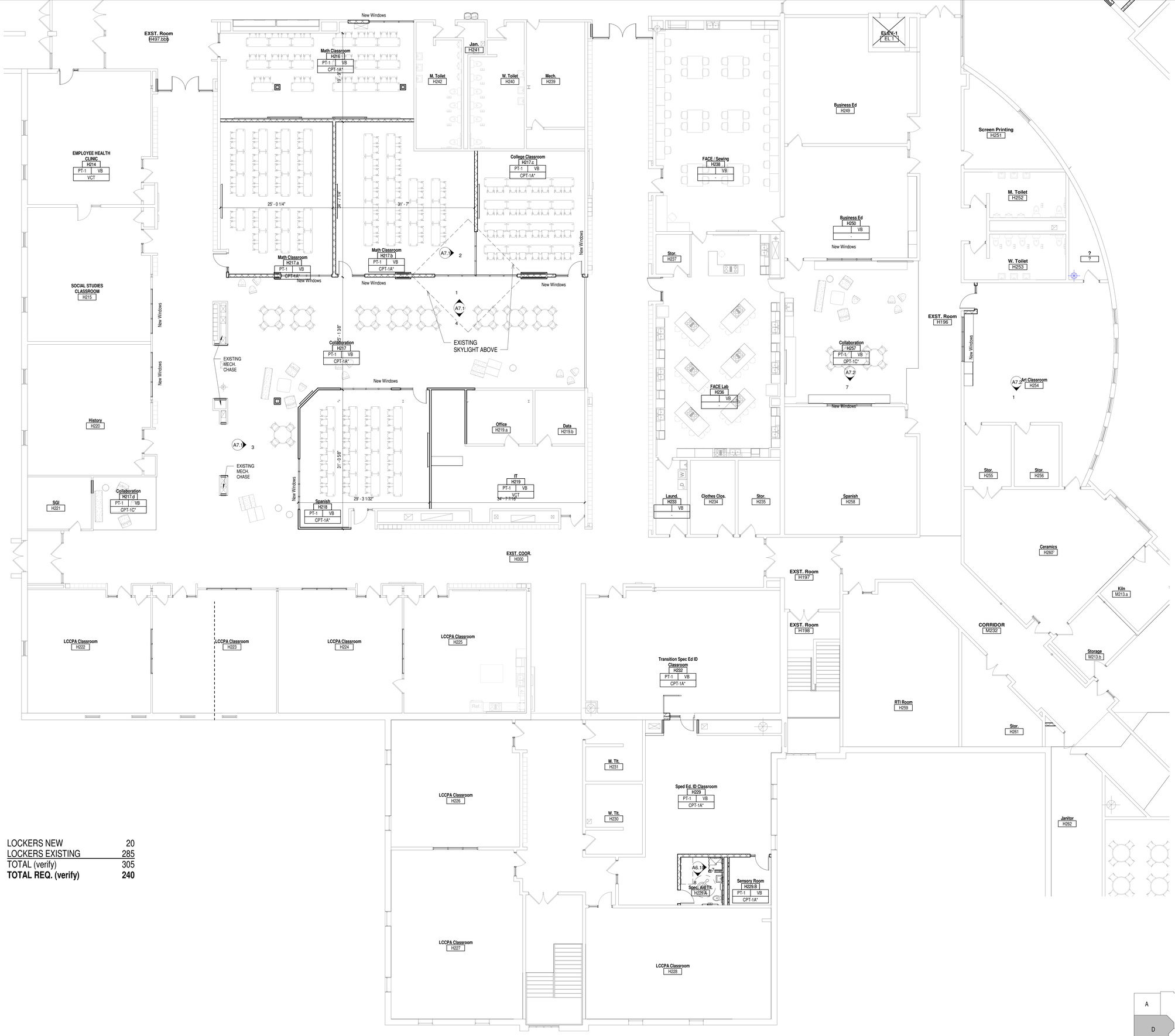

LOCKERS NEW	20
LOCKERS EXISTING	285
TOTAL (verify)	305
TOTAL REQ. (verify)	**240**

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FINISH PLAN - SECOND FLOOR UNIT D

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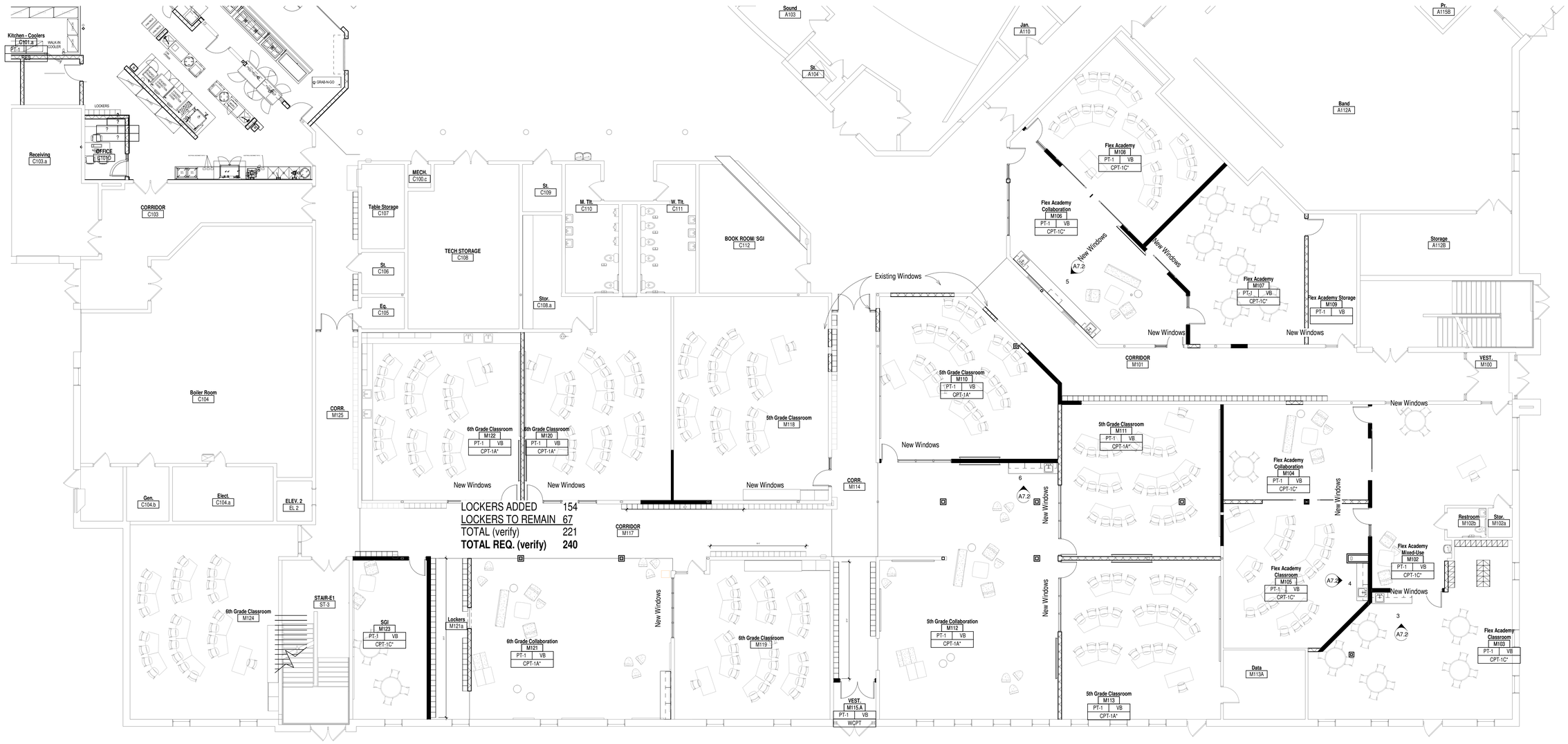

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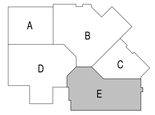

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FINISH PLAN - FIRST FLOOR UNIT E

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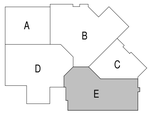
LOCKERS NEW	46
LOCKERS EXISTING	221
TOTAL (verify)	267
TOTAL REQ. (verify)	**240**



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Project Title:
ADDITION AND RENOVATION TO LITTLE CHUTE HIGH/ MIDDLE/ INTERMEDIATE SCHOOL

Little Chute Area School District
1402 Freedom Rd Little Chute, WI 54140

REVISIONS:

#	DATE	DESCRIPTION

NOT FOR CONSTRUCTION

Project Number:
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Sheet Title:
FINISH PLAN - SECOND FLOOR UNIT E

Sheet Number:
A9.E2

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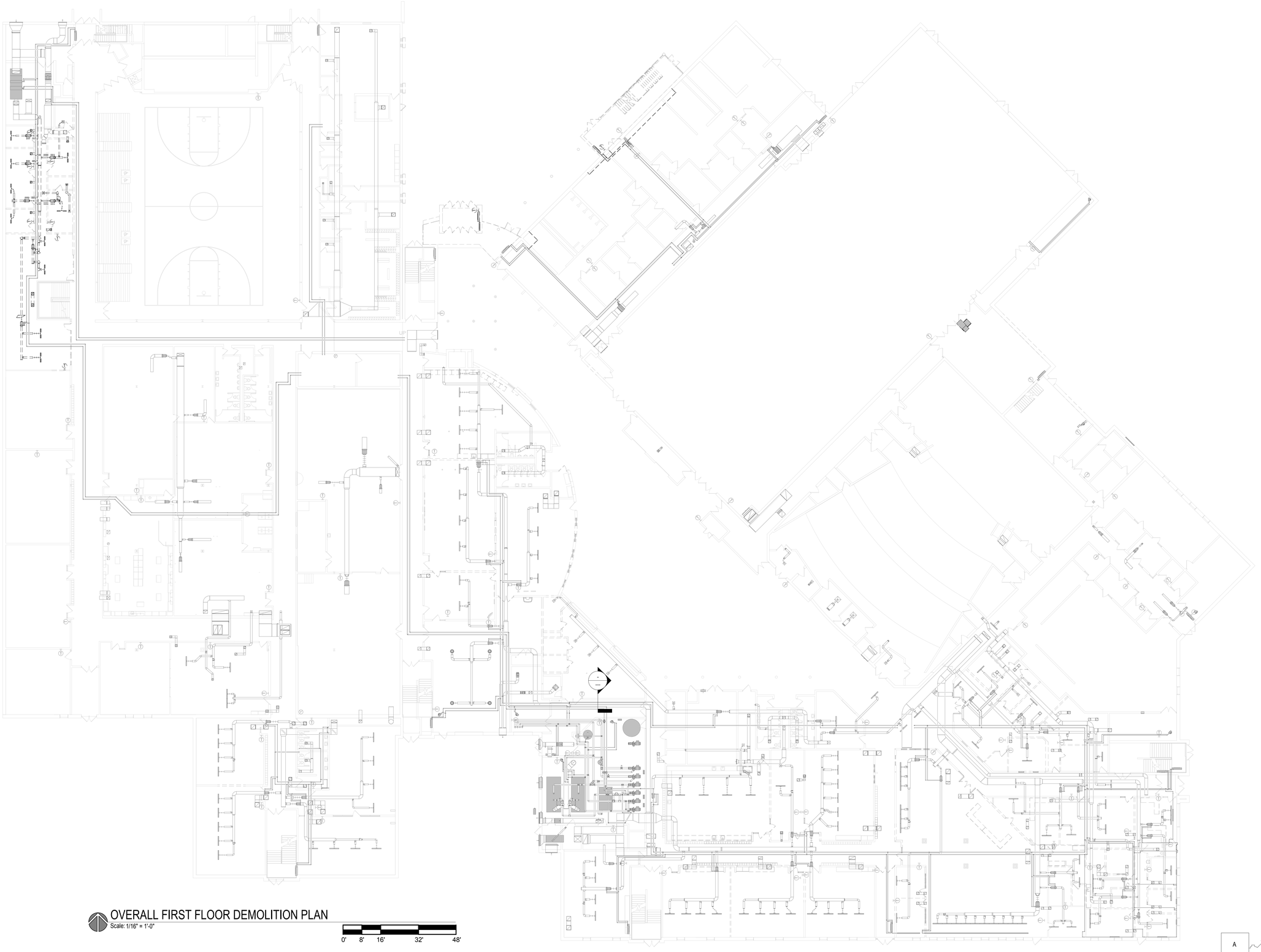

OVERALL FIRST FLOOR DEMOLITION PLAN

Scale: 1/16" = 1'-0"

0' 8' 16' 32' 48'

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Project Title:
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Sheet Title:
OVERALL FIRST FLOOR DEMOLITION PLAN

Sheet Number:
H2.1

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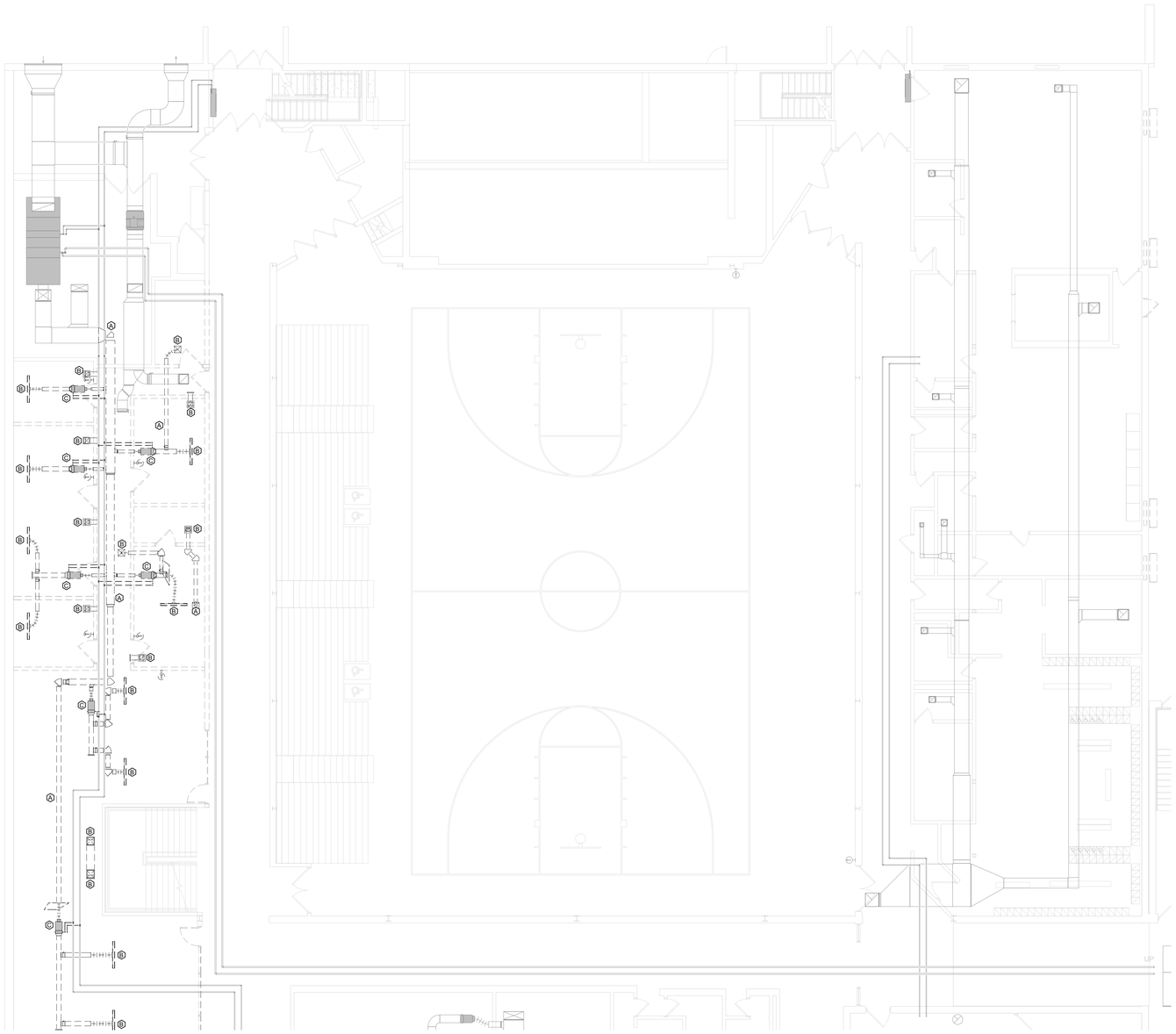


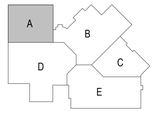
FIRST FLOOR DEMOLITION - UNIT A
Scale: 1/8" = 1'-0"

0' 4' 8' 16' 24'

DEMOLITION SYMBOL	DESCRIPTION
————————	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO REMAIN.
- - - - - - - - - - - - - - - -	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO BE REMOVED.

DEMOLITION KEYED NOTES

HEX SYMBOL	DESCRIPTION
A	REMOVE EXISTING DUCTWORK AS INDICATED.
B	REMOVE EXISTING GRILLE/REGISTER AND ASSOCIATED DUCTWORK.
C	REMOVE EXISTING VAV BOX, UNUSED DUCTWORK, PIPING AND CONTROL. CAP PIPING NEAR MAINS.
D	REMOVE EXISTING CABINET HEATER, PIPING AND CONTROL. CAP PIPING NEAR MAINS.
E	REMOVE EXISTING WALL FIN CABINET, PIPING AND CONTROL. CAP PIPING NEAR MAINS.
F	REMOVE EXISTING FAN COIL UNIT, UNUSED DUCTWORK, PIPING AND CONTROL. CAP PIPING NEAR MAINS.
G	REMOVE EXISTING UNIT HEATER, PIPING AND CONTROL. CAP PIPING NEAR MAINS.



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Project Title:
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Little Chute Area School District
1402 Freedom Rd Little Chute, WI 54140

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Sheet Title:
FIRST FLOOR DEMOLITION PLAN - UNIT A

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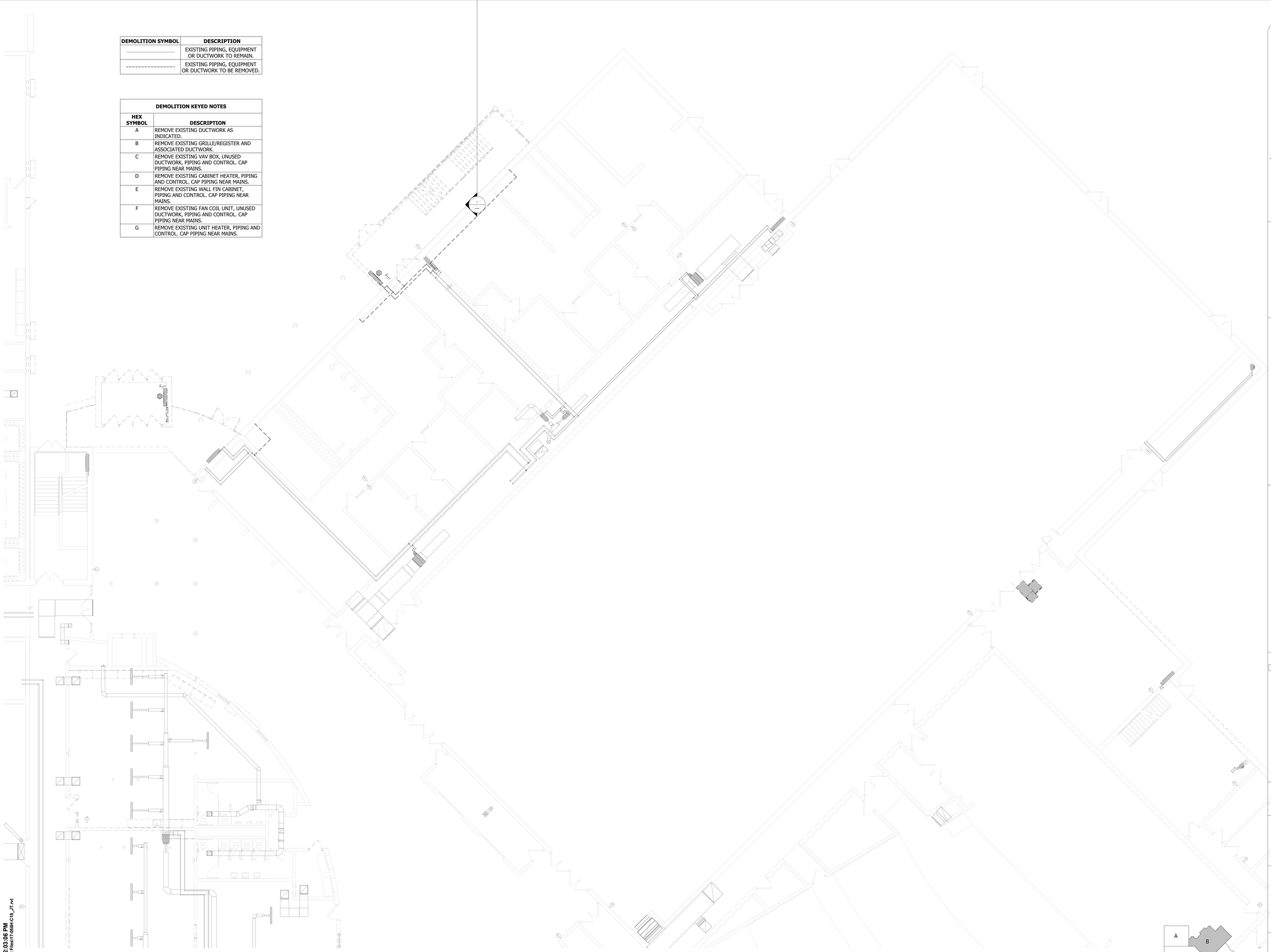
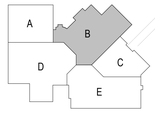
DEMOLITION SYMBOL	DESCRIPTION
————————	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO REMAIN.
- - - - - - - - - - - - - -	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO BE REMOVED.

DEMOLITION KEYED NOTES	
HEX SYMBOL	DESCRIPTION
A	REMOVE EXISTING DUCTWORK AS INDICATED.
B	REMOVE EXISTING GRILLE/REGISTER AND ASSOCIATED DUCTWORK.
C	REMOVE EXISTING VAV BOX, UNUSED DUCTWORK, PIPING AND CONTROL. CAP PIPING NEAR MAINS.
D	REMOVE EXISTING CABINET HEATER, PIPING AND CONTROL. CAP PIPING NEAR MAINS.
E	REMOVE EXISTING WALL FIN CABINET, PIPING AND CONTROL. CAP PIPING NEAR MAINS.
F	REMOVE EXISTING FAN COIL UNIT, UNUSED DUCTWORK, PIPING AND CONTROL. CAP PIPING NEAR MAINS.
G	REMOVE EXISTING UNIT HEATER, PIPING AND CONTROL. CAP PIPING NEAR MAINS.



FIRST FLOOR DEMOLITION - UNIT B
Scale: 1/8" = 1'-0"

0' 4' 8' 16' 24'



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Project Title:
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Sheet Title:
FIRST FLOOR DEMOLITION PLAN - UNIT B

Sheet Number:
H2.1B

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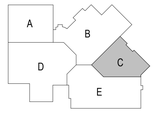
FIRST FLOOR DEMOLITION - UNIT C
Scale: 1/8" = 1'-0"

0' 4' 8' 16' 24'

DEMOLITION SYMBOL	DESCRIPTION
————————	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO REMAIN.
- - - - - - - - - - - - - - - -	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO BE REMOVED.

DEMOLITION KEYED NOTES

HEX SYMBOL	DESCRIPTION
A	REMOVE EXISTING DUCTWORK AS INDICATED.
B	REMOVE EXISTING GRILLE/REGISTER AND ASSOCIATED DUCTWORK.
C	REMOVE EXISTING VAV BOX, UNUSED DUCTWORK, PIPING AND CONTROL. CAP PIPING NEAR MAINS.
D	REMOVE EXISTING CABINET HEATER, PIPING AND CONTROL. CAP PIPING NEAR MAINS.
E	REMOVE EXISTING WALL FIN CABINET, PIPING AND CONTROL. CAP PIPING NEAR MAINS.
F	REMOVE EXISTING FAN COIL UNIT, UNUSED DUCTWORK, PIPING AND CONTROL. CAP PIPING NEAR MAINS.
G	REMOVE EXISTING UNIT HEATER, PIPING AND CONTROL. CAP PIPING NEAR MAINS.



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Little Chute Area School District
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Sheet Title:
FIRST FLOOR DEMOLITION PLAN - UNIT C

Sheet Number:
H2.1C

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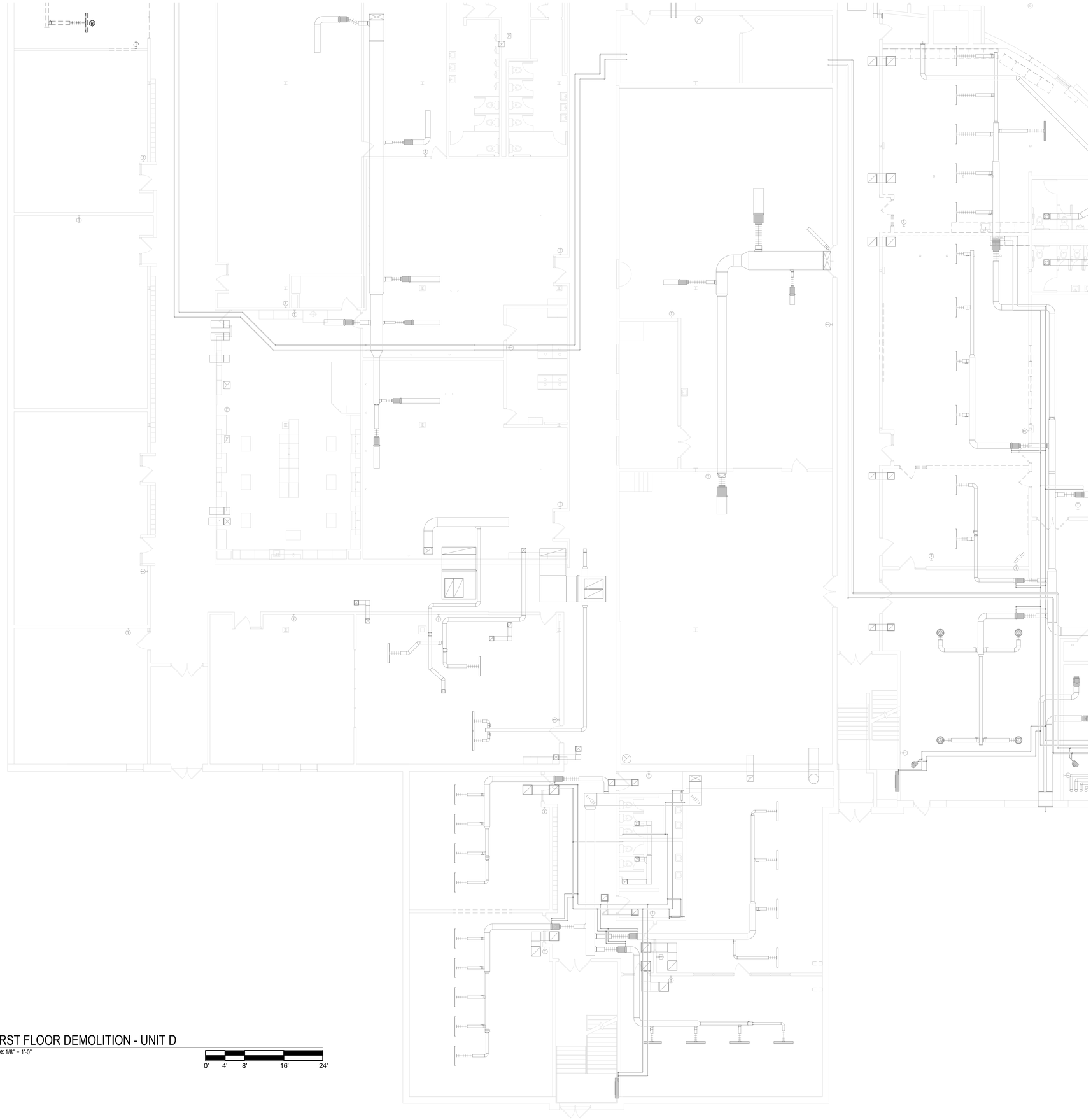

DEMOLITION SYMBOL	DESCRIPTION
————————	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO REMAIN.
- - - - - - - - - - - - - - - -	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO BE REMOVED.

DEMOLITION KEYED NOTES

HEX SYMBOL	DESCRIPTION
A	REMOVE EXISTING DUCTWORK AS INDICATED.
B	REMOVE EXISTING GRILLE/REGISTER AND ASSOCIATED DUCTWORK.
C	REMOVE EXISTING VAV BOX, UNUSED DUCTWORK, PIPING AND CONTROL. CAP PIPING NEAR MAINS.
D	REMOVE EXISTING CABINET HEATER, PIPING AND CONTROL. CAP PIPING NEAR MAINS.
E	REMOVE EXISTING WALL FIN CABINET, PIPING AND CONTROL. CAP PIPING NEAR MAINS.
F	REMOVE EXISTING FAN COIL UNIT, UNUSED DUCTWORK, PIPING AND CONTROL. CAP PIPING NEAR MAINS.
G	REMOVE EXISTING UNIT HEATER, PIPING AND CONTROL. CAP PIPING NEAR MAINS.

FIRST FLOOR DEMOLITION - UNIT D

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

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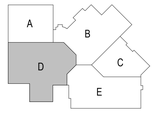

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Project Title:
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LITTLE CHUTE HIGH/ MIDDLE/ INTERMEDIATE SCHOOL
Little Chute Area School District
1402 Freedom Rd Little Chute, WI 54140

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Sheet Title:
FIRST FLOOR DEMOLITION PLAN - UNIT D

Sheet Number:
H2.1D

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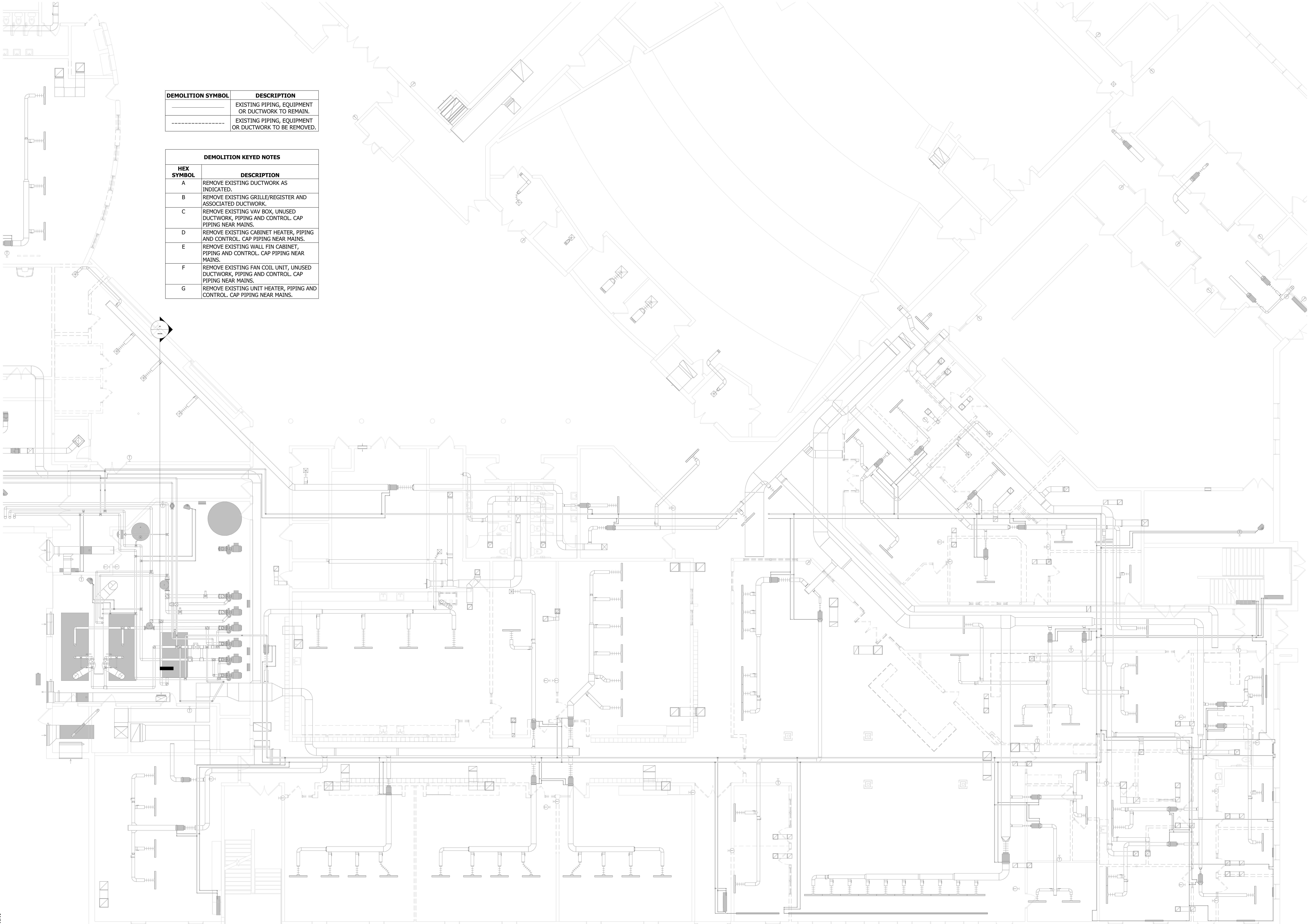

DEMOLITION SYMBOL	DESCRIPTION
————————	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO REMAIN.
----------------	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO BE REMOVED.

DEMOLITION KEYED NOTES	
HEX SYMBOL	DESCRIPTION
A	REMOVE EXISTING DUCTWORK AS INDICATED.
B	REMOVE EXISTING GRILLE/REGISTER AND ASSOCIATED DUCTWORK.
C	REMOVE EXISTING VAV BOX, UNUSED DUCTWORK, PIPING AND CONTROL. CAP PIPING NEAR MAINS.
D	REMOVE EXISTING CABINET HEATER, PIPING AND CONTROL. CAP PIPING NEAR MAINS.
E	REMOVE EXISTING WALL FIN CABINET, PIPING AND CONTROL. CAP PIPING NEAR MAINS.
F	REMOVE EXISTING FAN COIL UNIT, UNUSED DUCTWORK, PIPING AND CONTROL. CAP PIPING NEAR MAINS.
G	REMOVE EXISTING UNIT HEATER, PIPING AND CONTROL. CAP PIPING NEAR MAINS.

FIRST FLOOR DEMOLITION - UNIT E

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

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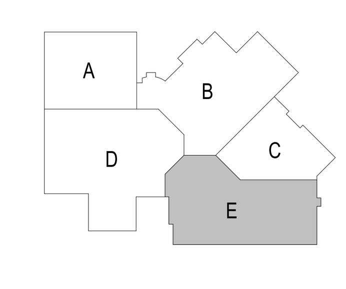

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Little Chute Area School District
1402 Freedom Rd Little Chute, WI 54140

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Sheet Title:
FIRST FLOOR DEMOLITION PLAN - UNIT E

Sheet Number:
H2.1E

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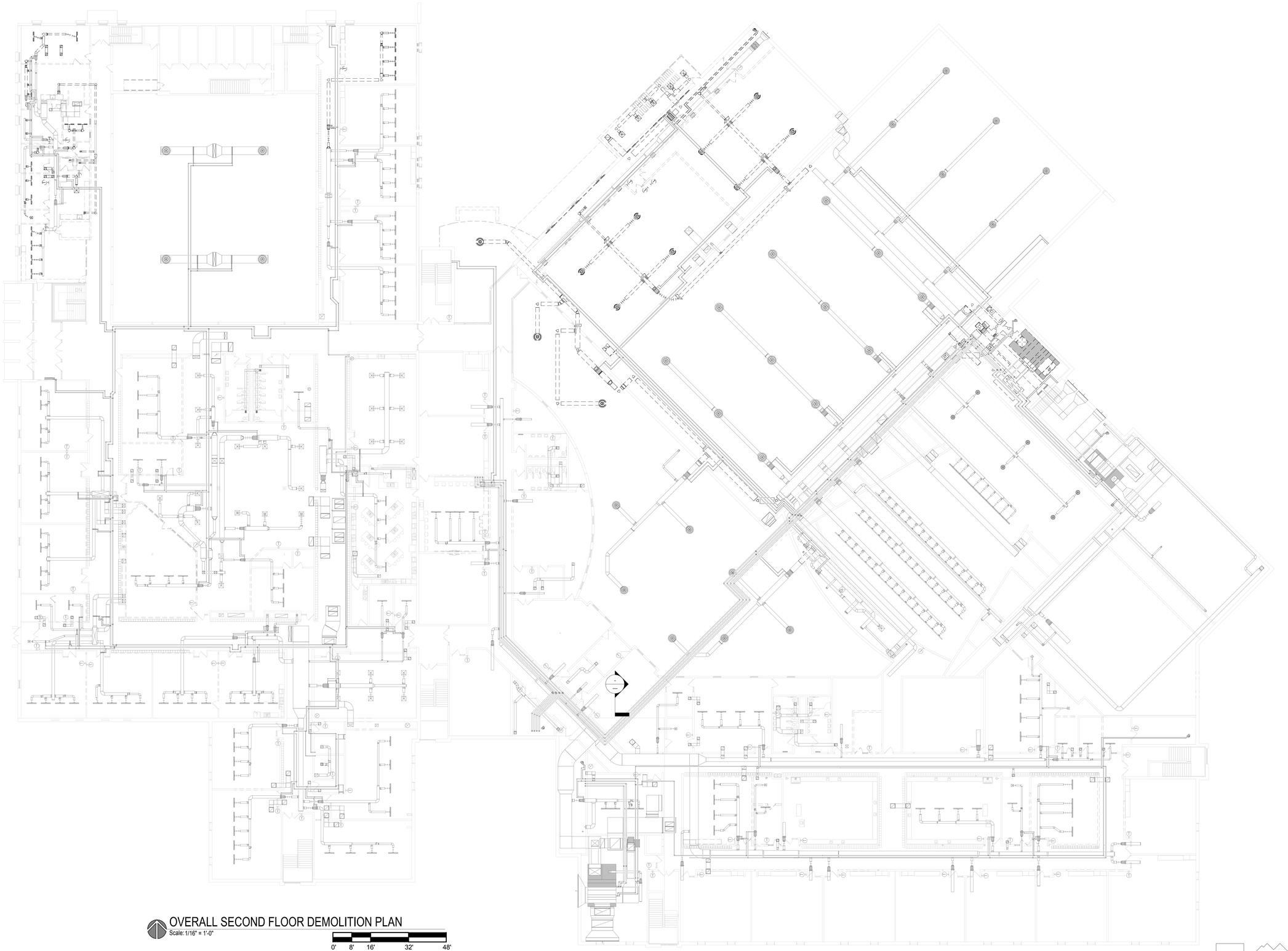

OVERALL SECOND FLOOR DEMOLITION PLAN

Scale: 1/16" = 1'-0"

0' 8' 16' 32' 48'

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Sheet Title:
OVERALL SECOND FLOOR DEMOLITION PLAN

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H2.2

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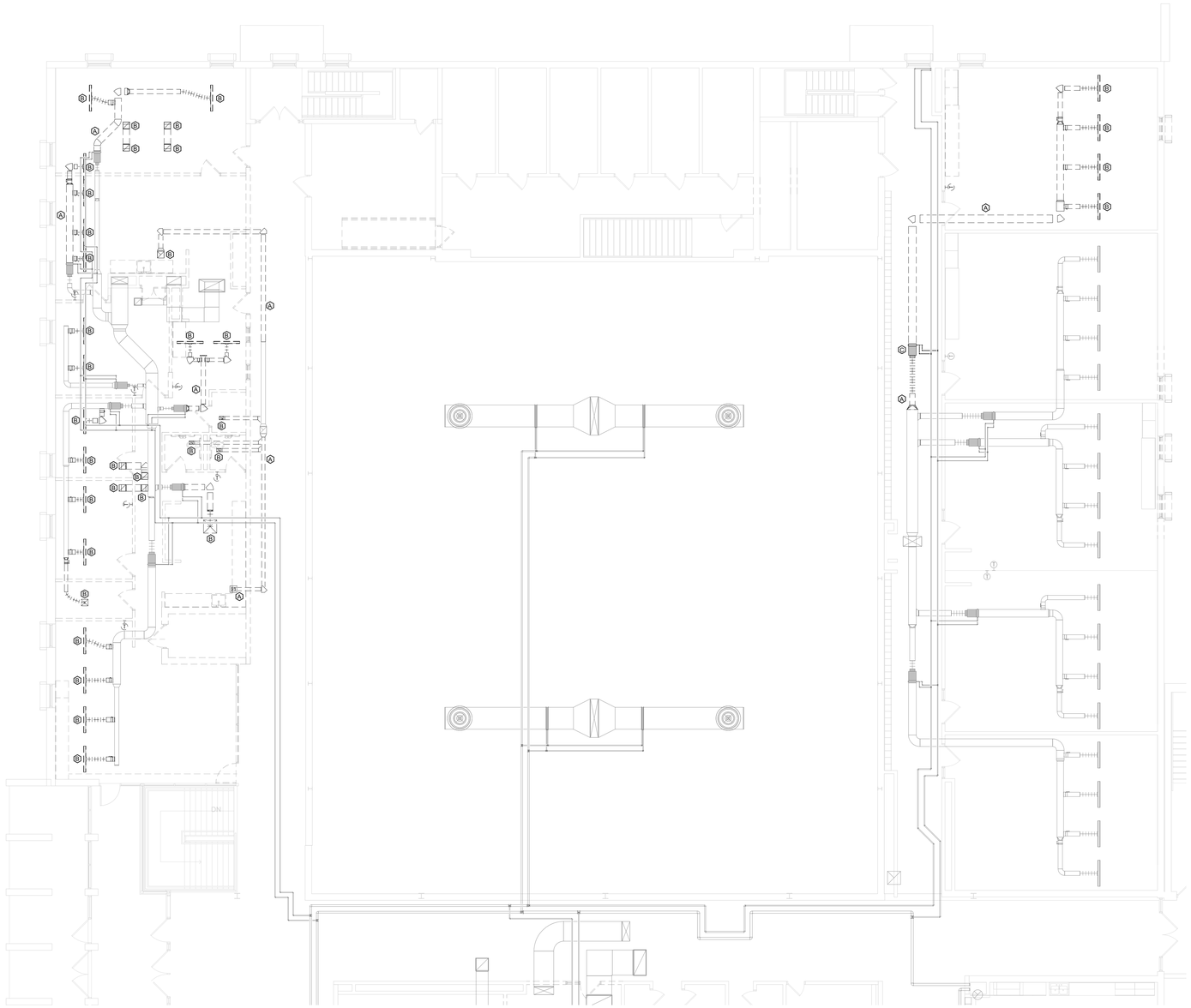
DEMOLITION SYMBOL	DESCRIPTION
————————	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO REMAIN.
- - - - - - - - - - - - - - - -	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO BE REMOVED.

DEMOLITION KEYED NOTES

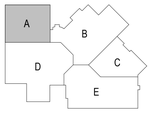
HEX SYMBOL	DESCRIPTION
A	REMOVE EXISTING DUCTWORK AS INDICATED.
B	REMOVE EXISTING GRILLE/REGISTER AND ASSOCIATED DUCTWORK.
C	REMOVE EXISTING VAV BOX, UNUSED DUCTWORK, PIPING AND CONTROL. CAP PIPING NEAR MAINS.
D	REMOVE EXISTING CABINET HEATER, PIPING AND CONTROL. CAP PIPING NEAR MAINS.
E	REMOVE EXISTING WALL FIN CABINET, PIPING AND CONTROL. CAP PIPING NEAR MAINS.
F	REMOVE EXISTING FAN COIL UNIT, UNUSED DUCTWORK, PIPING AND CONTROL. CAP PIPING NEAR MAINS.
G	REMOVE EXISTING UNIT HEATER, PIPING AND CONTROL. CAP PIPING NEAR MAINS.



SECOND FLOOR DEMOLITION - UNIT A

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

0' 4' 8' 16' 24'



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Project Title:
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Sheet Title:
SECOND FLOOR DEMOLITION PLAN - UNIT A

Sheet Number:
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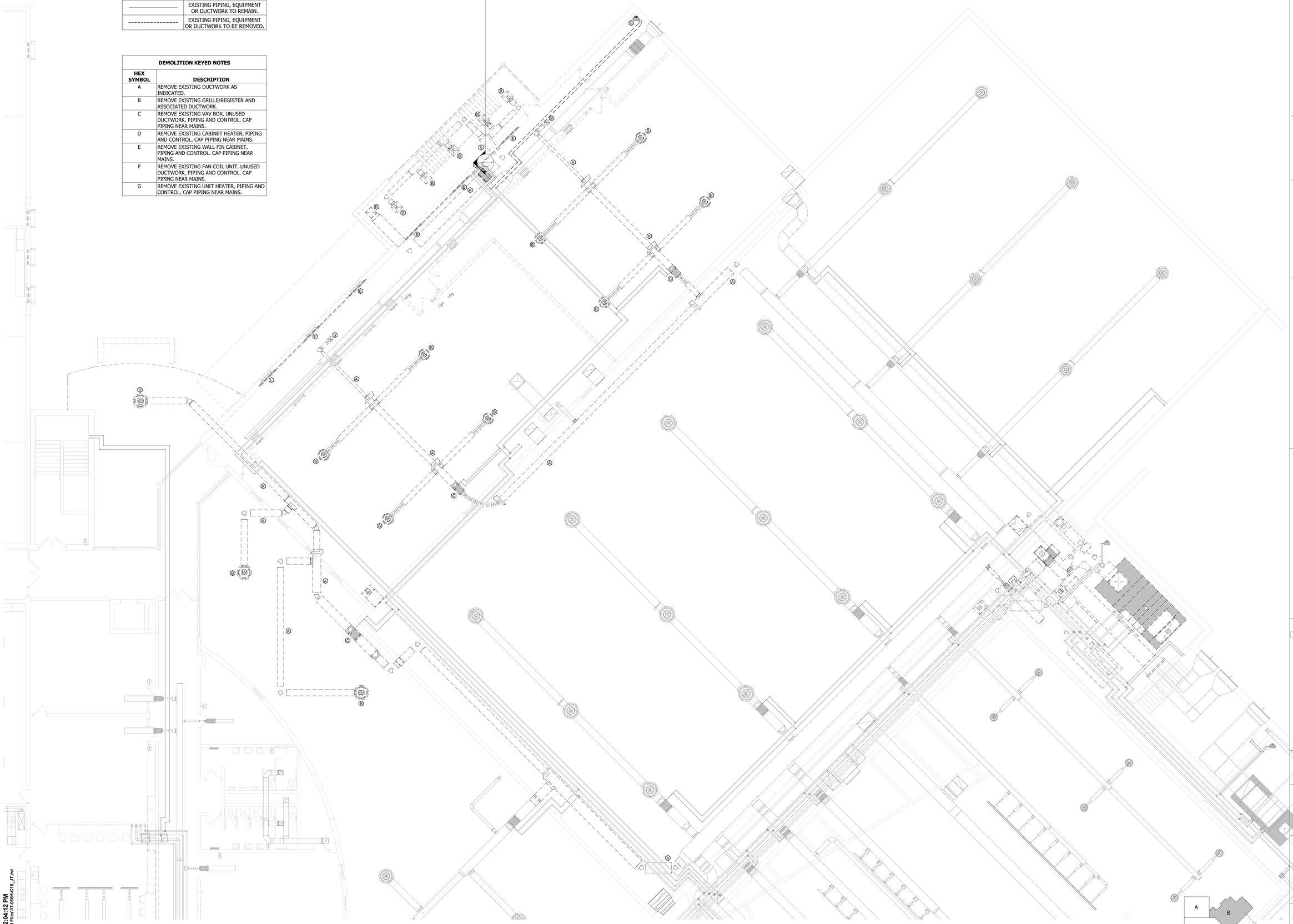
DEMOLITION SYMBOL	DESCRIPTION
————————	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO REMAIN.
- - - - - - - - - - - - - - -	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO BE REMOVED.

DEMOLITION KEYED NOTES	
HEX SYMBOL	DESCRIPTION
A	REMOVE EXISTING DUCTWORK AS INDICATED.
B	REMOVE EXISTING GRILLE/REGISTER AND ASSOCIATED DUCTWORK.
C	REMOVE EXISTING VAV BOX, UNUSED DUCTWORK, PIPING AND CONTROL. CAP PIPING NEAR MAINS.
D	REMOVE EXISTING CABINET HEATER, PIPING AND CONTROL. CAP PIPING NEAR MAINS.
E	REMOVE EXISTING WALL FIN CABINET, PIPING AND CONTROL. CAP PIPING NEAR MAINS.
F	REMOVE EXISTING FAN COIL UNIT, UNUSED DUCTWORK, PIPING AND CONTROL. CAP PIPING NEAR MAINS.
G	REMOVE EXISTING UNIT HEATER, PIPING AND CONTROL. CAP PIPING NEAR MAINS.



SECOND FLOOR DEMOLITION - UNIT B
Scale: 1/8" = 1'-0"

0' 4' 8' 16' 24'

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Sheet Title:
SECOND FLOOR DEMOLITION PLAN - UNIT B

Sheet Number:
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SECOND FLOOR DEMOLITION - UNIT C
Scale: 1/8" = 1'-0"

0' 4' 8' 16' 24'

DEMOLITION SYMBOL	DESCRIPTION
————————	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO REMAIN.
- - - - - - - - - - - - - - - -	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO BE REMOVED.

DEMOLITION KEYED NOTES

HEX SYMBOL	DESCRIPTION
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B	REMOVE EXISTING GRILLE/REGISTER AND ASSOCIATED DUCTWORK.
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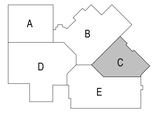
G	REMOVE EXISTING UNIT HEATER, PIPING AND CONTROL. CAP PIPING NEAR MAINS.



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Project Title:
ADDITION AND RENOVATION TO
LITTLE CHUTE HIGH/ MIDDLE/ INTERMEDIATE SCHOOL
Little Chute Area School District
1402 Freedom Rd Little Chute, WI 54140

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Sheet Title:
SECOND FLOOR DEMOLITION PLAN - UNIT C

Sheet Number:
H2.2C

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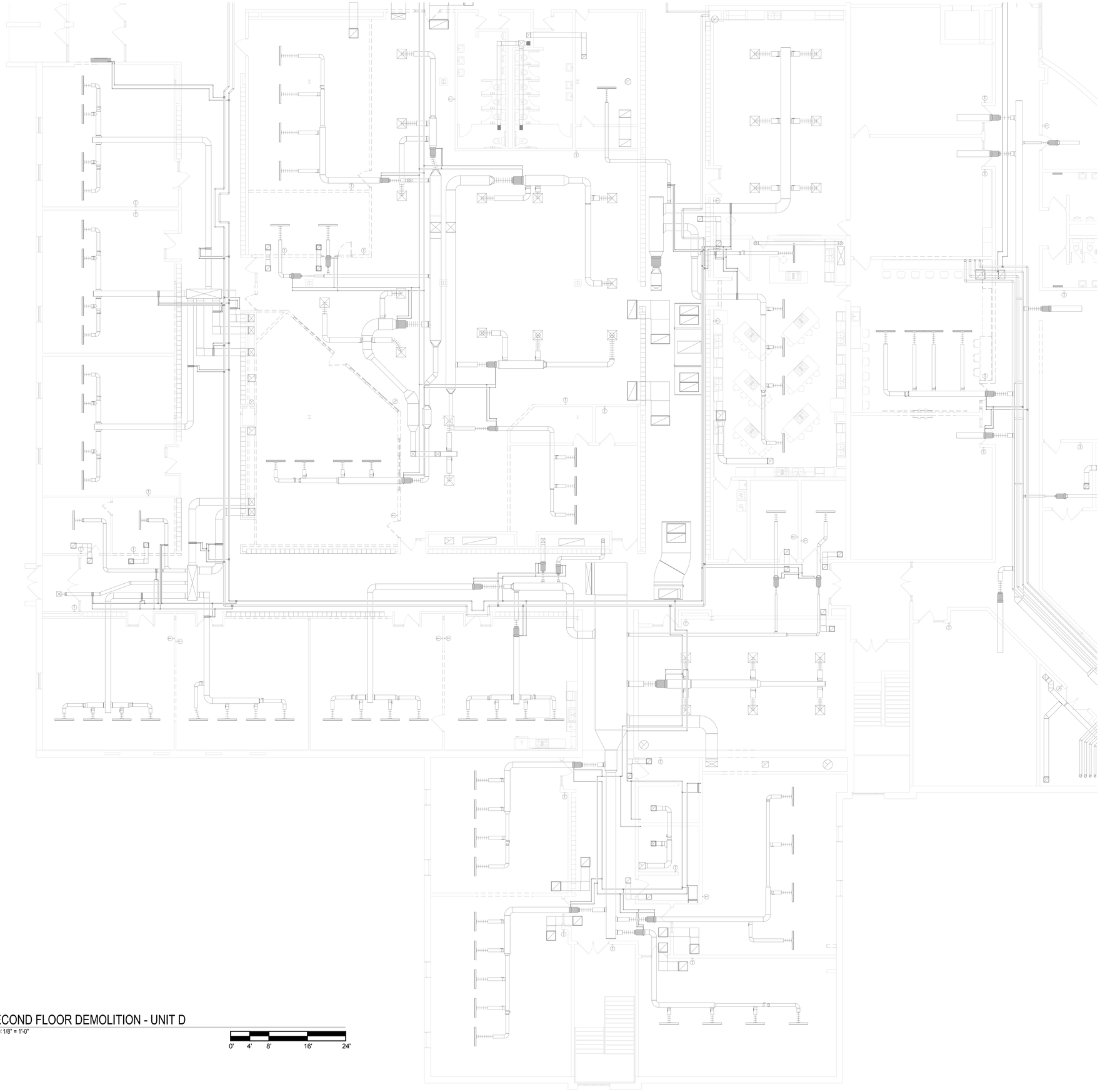


SECOND FLOOR DEMOLITION - UNIT D

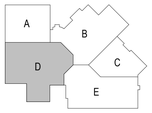
Scale: 1/8" = 1'-0"

0' 4' 8' 16' 24'

DEMOLITION SYMBOL	DESCRIPTION
————————	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO REMAIN.
- - - - - - - - - - - - - - - -	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO BE REMOVED.

DEMOLITION KEYED NOTES

HEX SYMBOL	DESCRIPTION
A	REMOVE EXISTING DUCTWORK AS INDICATED.
B	REMOVE EXISTING GRILLE/REGISTER AND ASSOCIATED DUCTWORK.
C	REMOVE EXISTING VAV BOX, UNUSED DUCTWORK, PIPING AND CONTROL. CAP PIPING NEAR MAINS.
D	REMOVE EXISTING CABINET HEATER, PIPING AND CONTROL. CAP PIPING NEAR MAINS.
E	REMOVE EXISTING WALL FIN CABINET, PIPING AND CONTROL. CAP PIPING NEAR MAINS.
F	REMOVE EXISTING FAN COIL UNIT, UNUSED DUCTWORK, PIPING AND CONTROL. CAP PIPING NEAR MAINS.
G	REMOVE EXISTING UNIT HEATER, PIPING AND CONTROL. CAP PIPING NEAR MAINS.



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Sheet Title:
SECOND FLOOR DEMOLITION PLAN - UNIT D

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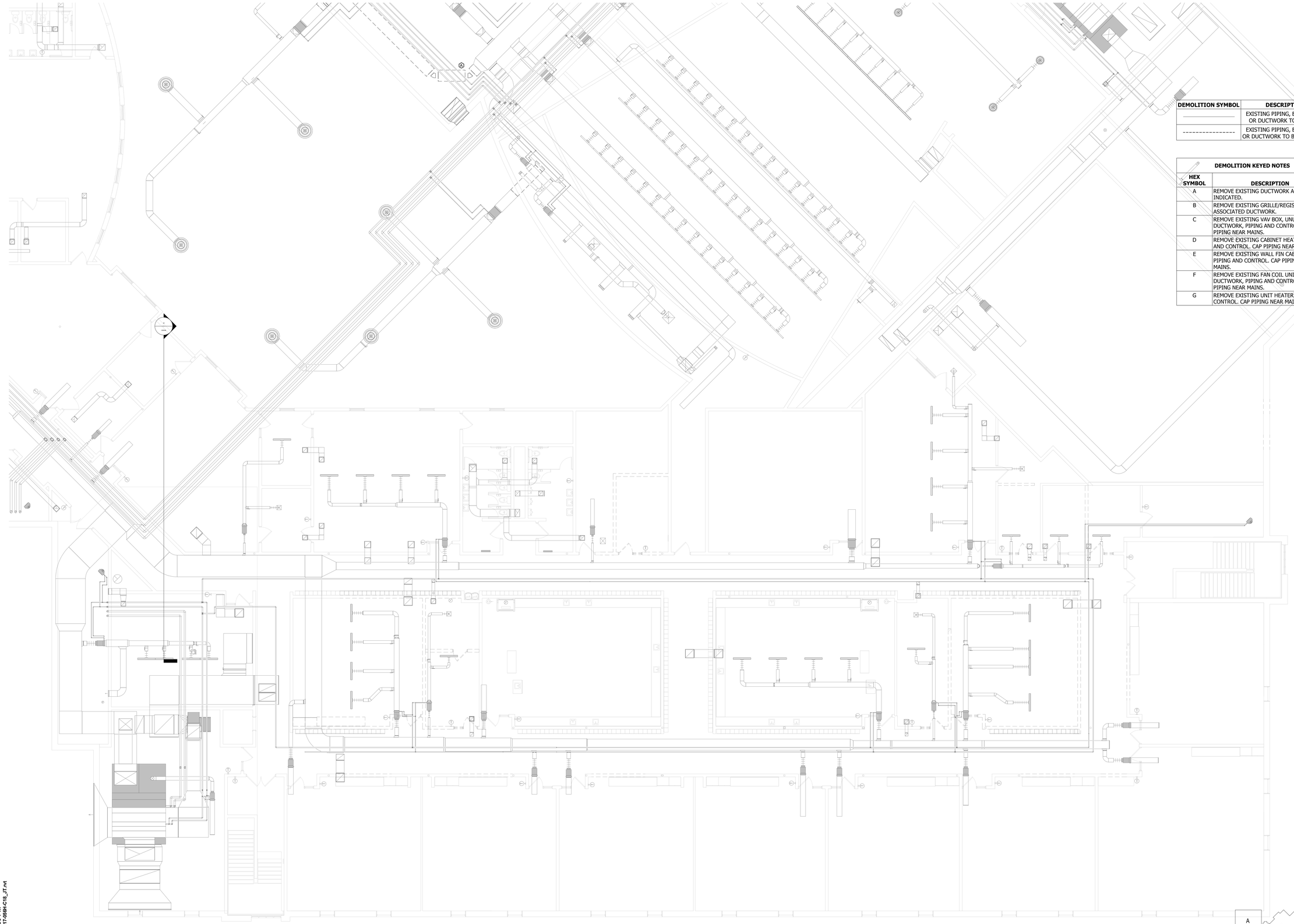

SECOND FLOOR DEMOLITION - UNIT E
Scale: 1/8" = 1'-0"

0' 4' 8' 16' 24'

DEMOLITION SYMBOL	DESCRIPTION
————————	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO REMAIN.
- - - - - - - - - - - - - - - -	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO BE REMOVED.

DEMOLITION KEYED NOTES

HEX SYMBOL	DESCRIPTION
A	REMOVE EXISTING DUCTWORK AS INDICATED.
B	REMOVE EXISTING GRILLE/REGISTER AND ASSOCIATED DUCTWORK.
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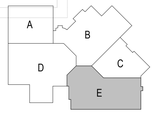
G	REMOVE EXISTING UNIT HEATER, PIPING AND CONTROL. CAP PIPING NEAR MAINS.



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Sheet Title:
SECOND FLOOR DEMOLITION PLAN - UNIT E

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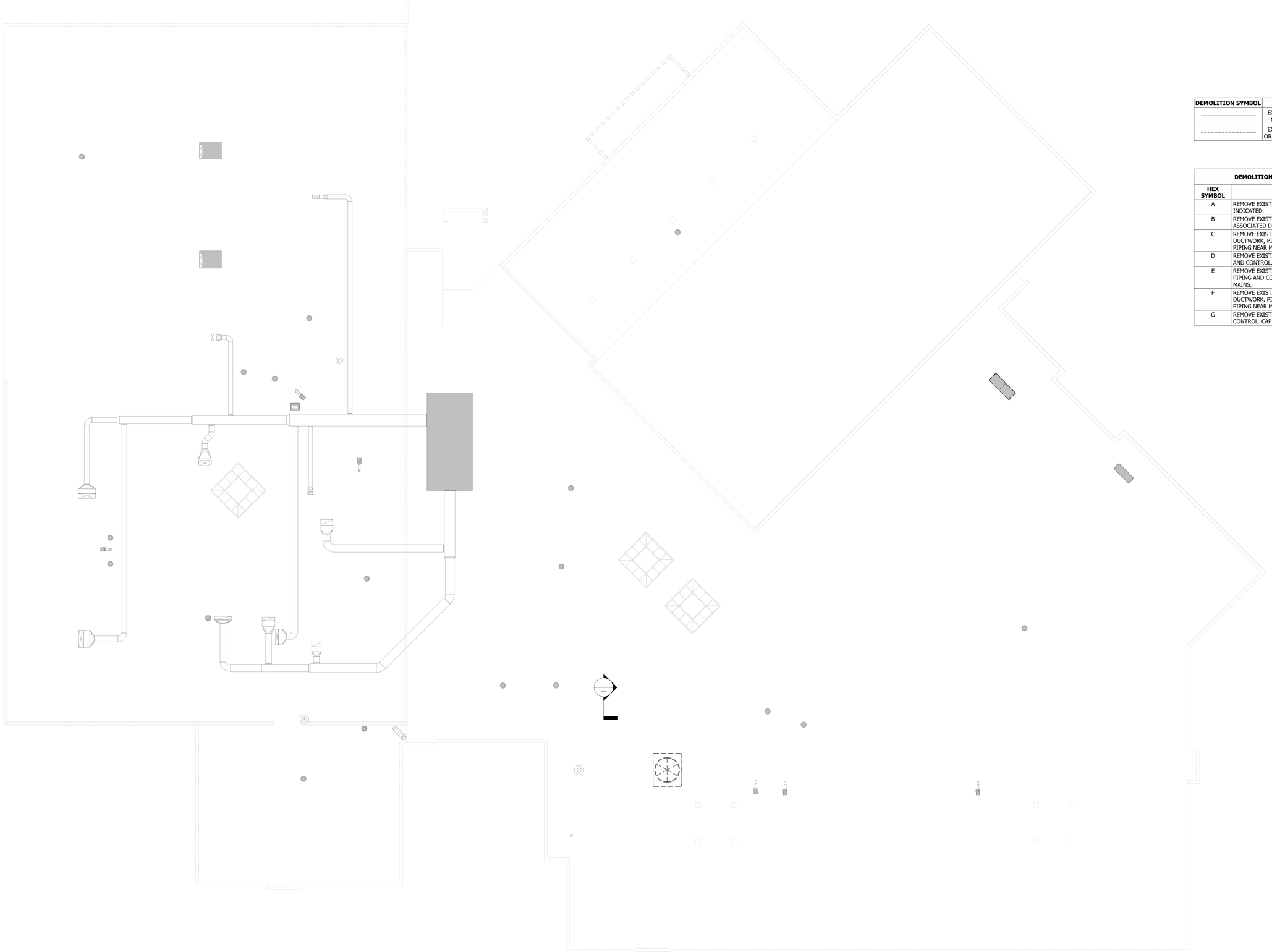

OVERALL DEMOLITION ROOF PLAN

Scale: 1/16" = 1'-0"

0' 8' 16' 32' 48'

DEMOLITION SYMBOL	DESCRIPTION
————————	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO REMAIN.
- - - - - - - - - - - - - - - -	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO BE REMOVED.

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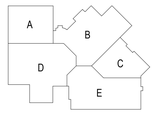

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OVERALL ROOF DEMOLITION PLAN

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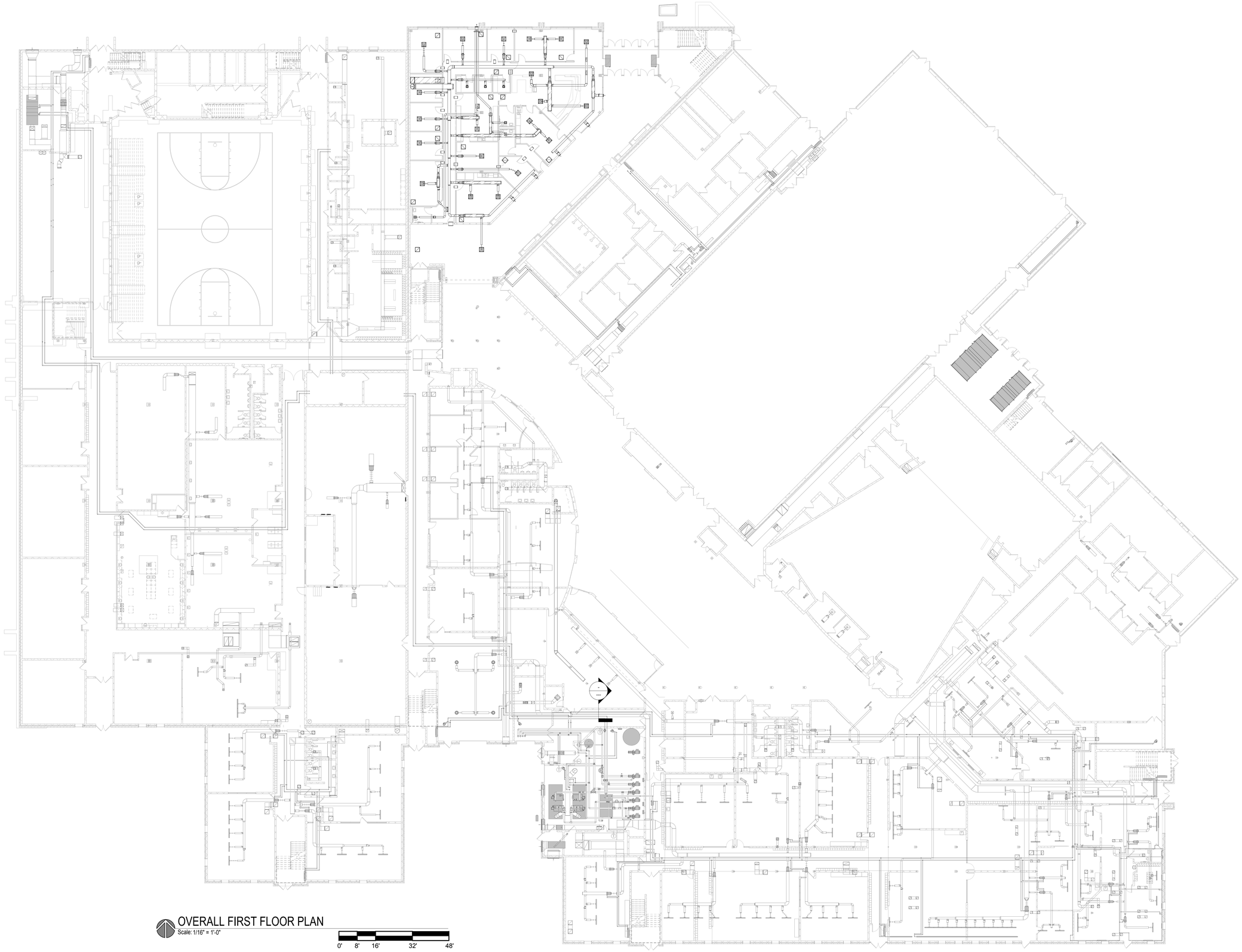
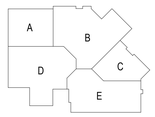


OVERALL FIRST FLOOR PLAN

Scale: 1/16" = 1'-0"

0' 8' 16' 32' 48'



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OVERALL FIRST FLOOR PLAN

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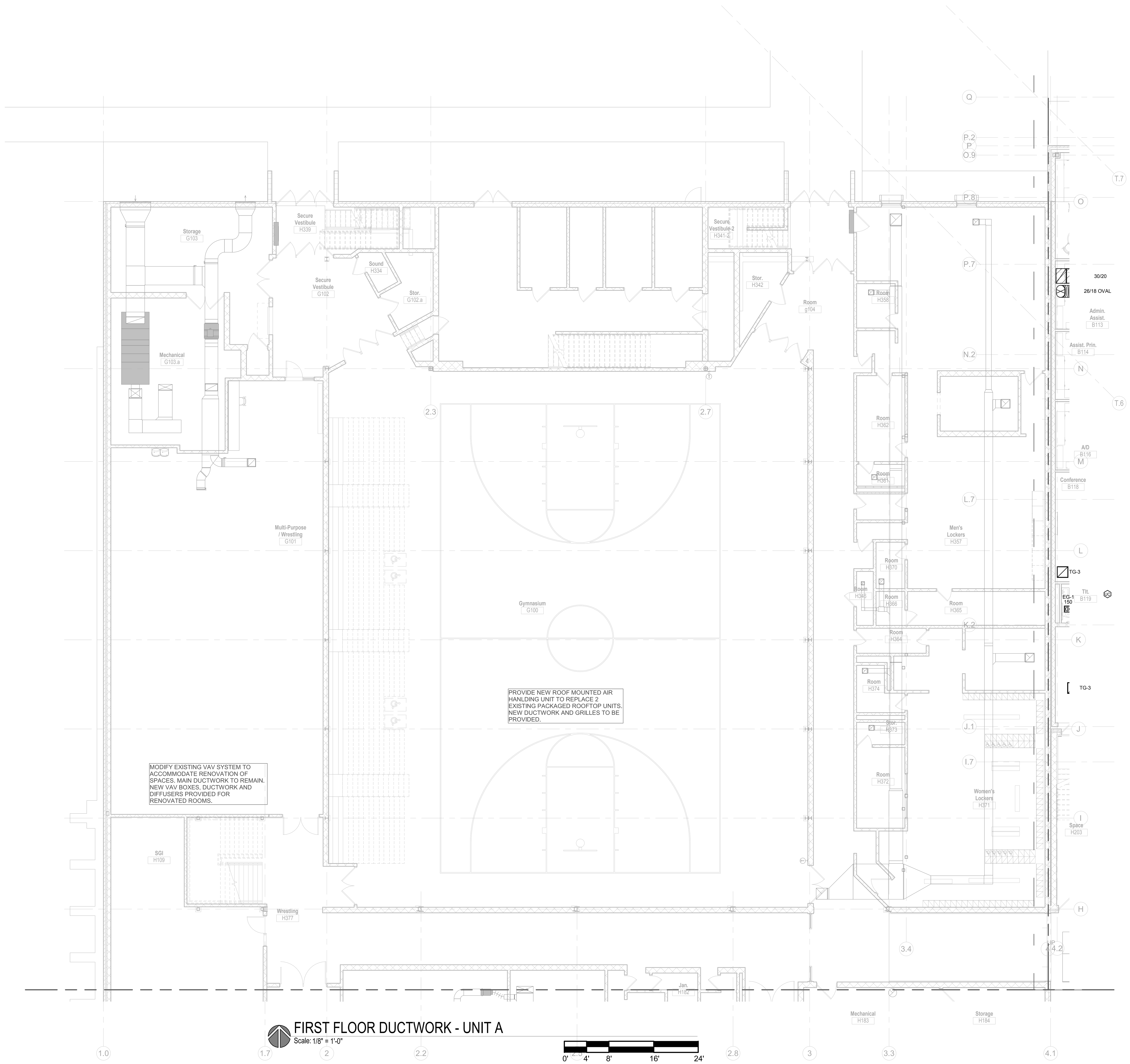

FIRST FLOOR DUCTWORK - UNIT A

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

0' 4' 8' 16' 24'

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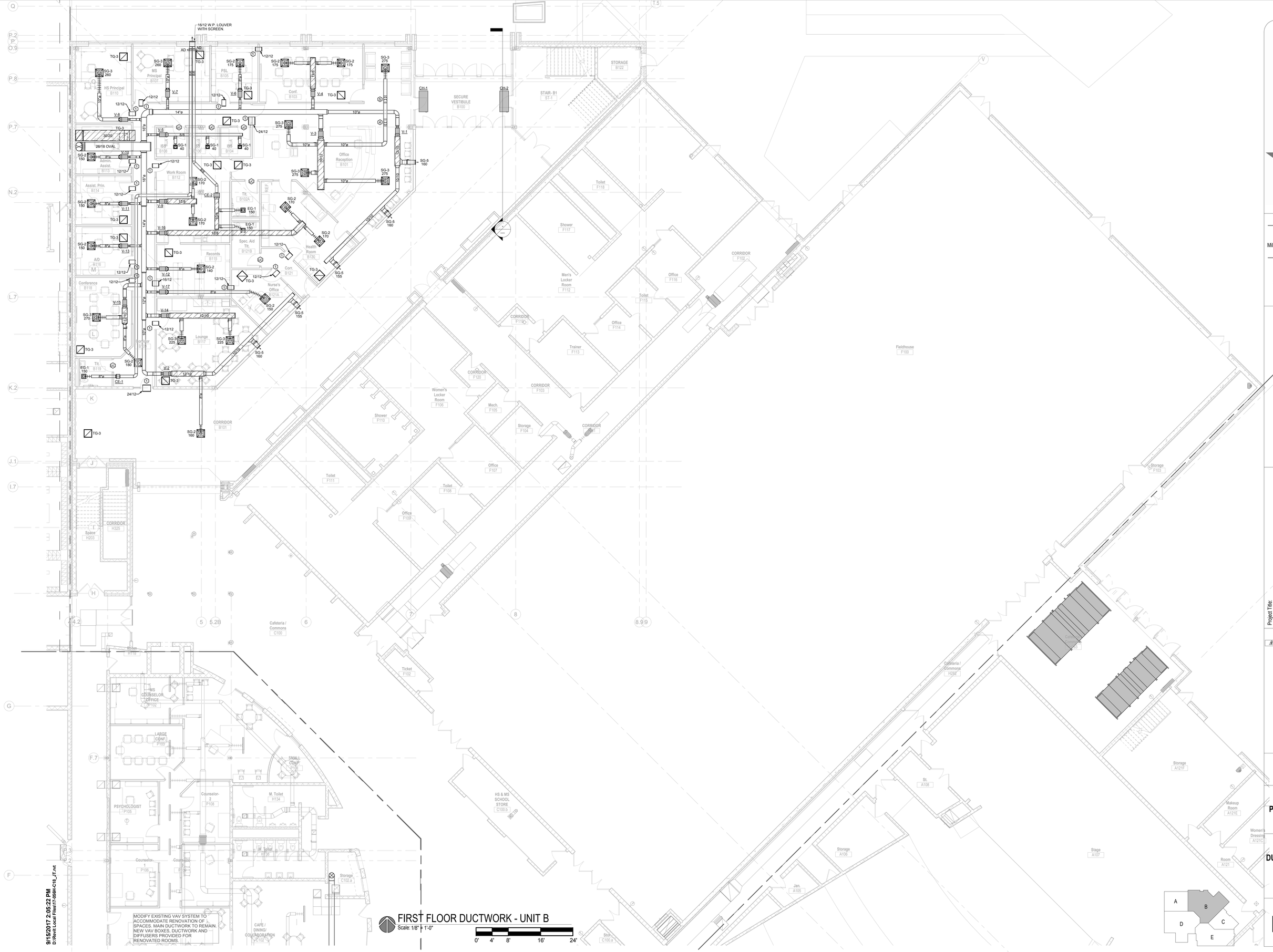

FIRST FLOOR DUCTWORK - UNIT B
Scale: 1/8" = 1'-0"
0' 4' 8' 16' 24'

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FIRST FLOOR DUCTWORK PLAN - UNIT B

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FIRST FLOOR DUCTWORK - UNIT C
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0' 4' 8' 16' 24'

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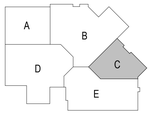

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FIRST FLOOR DUCTWORK PLAN - UNIT C

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FIRST FLOOR DUCTWORK - UNIT D

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

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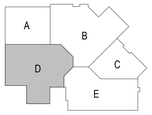

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FIRST FLOOR DUCTWORK PLAN - UNIT D

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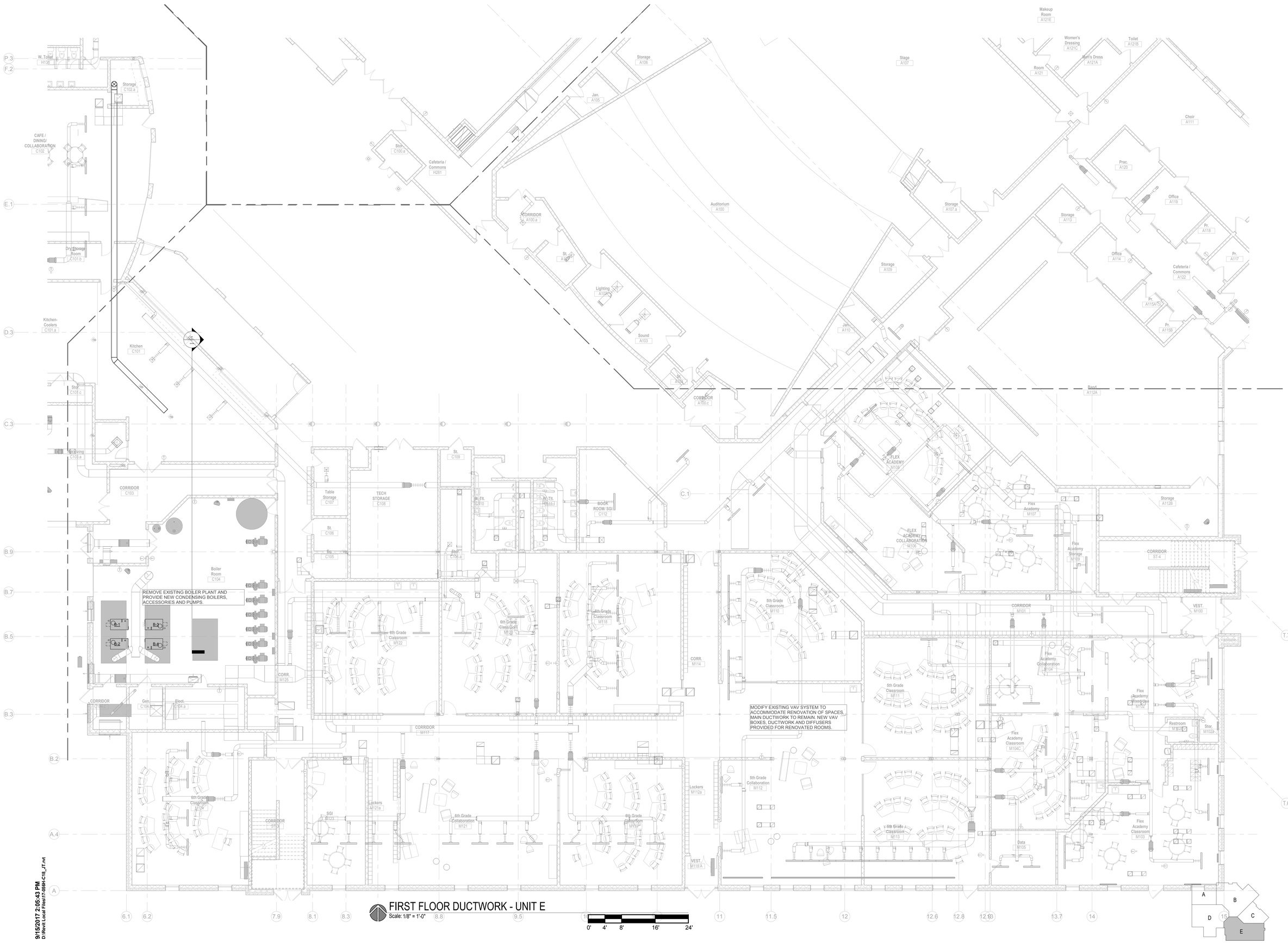

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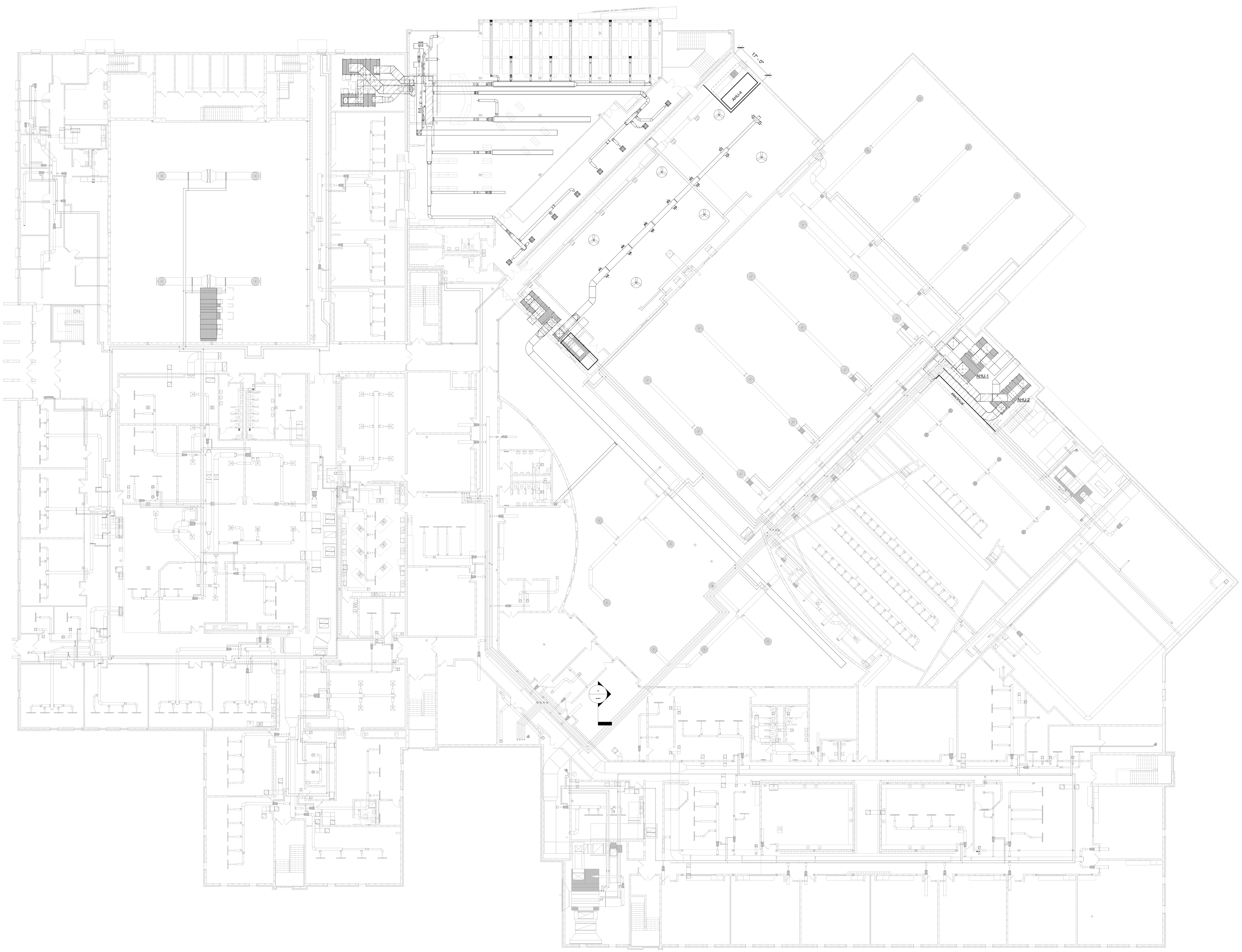

OVERALL SECOND FLOOR PLAN

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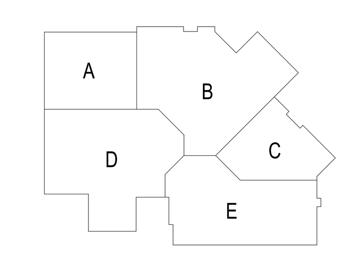

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OVERALL SECOND FLOOR PLAN

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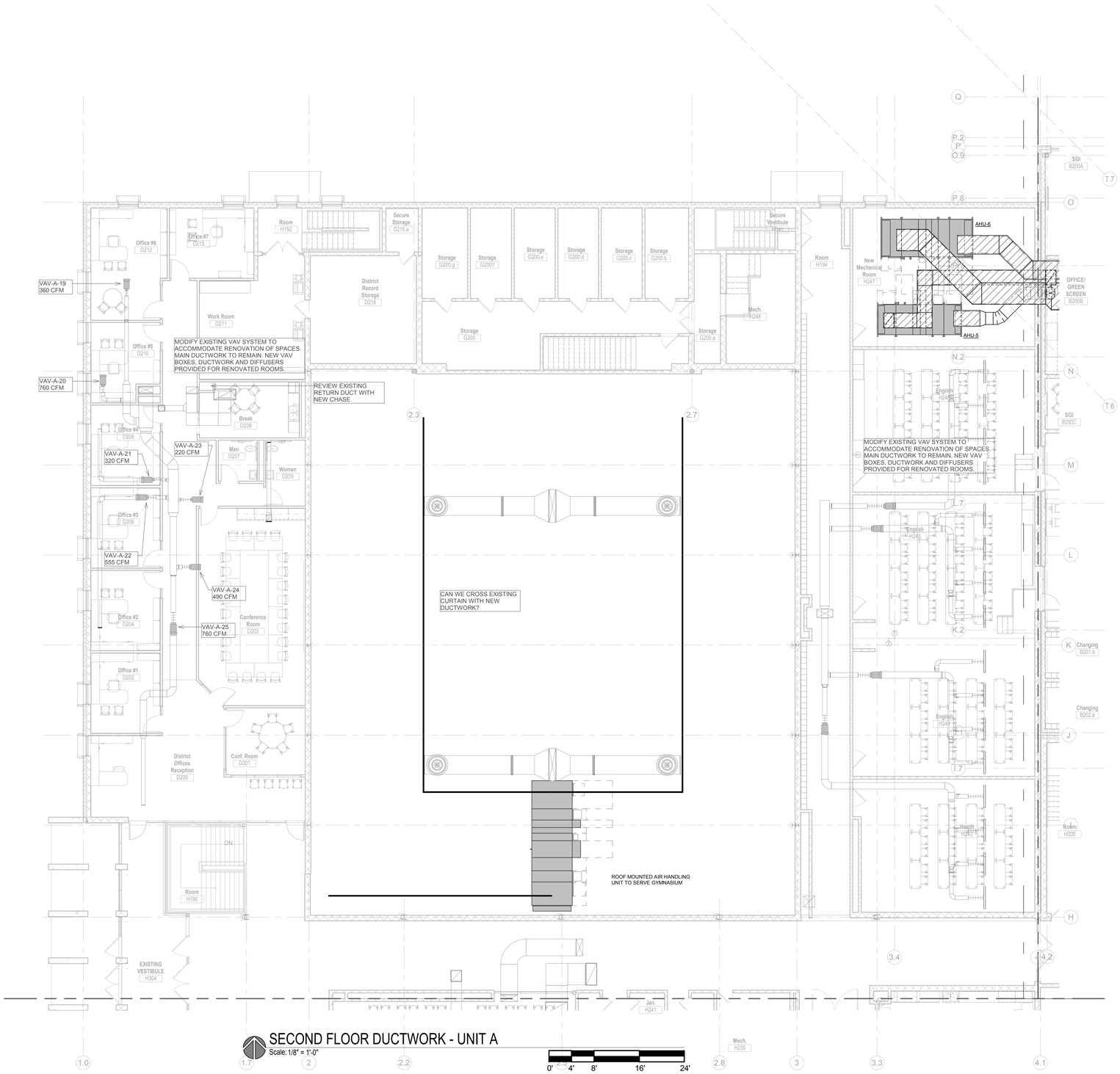

SECOND FLOOR DUCTWORK - UNIT A

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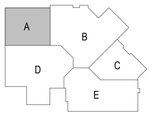

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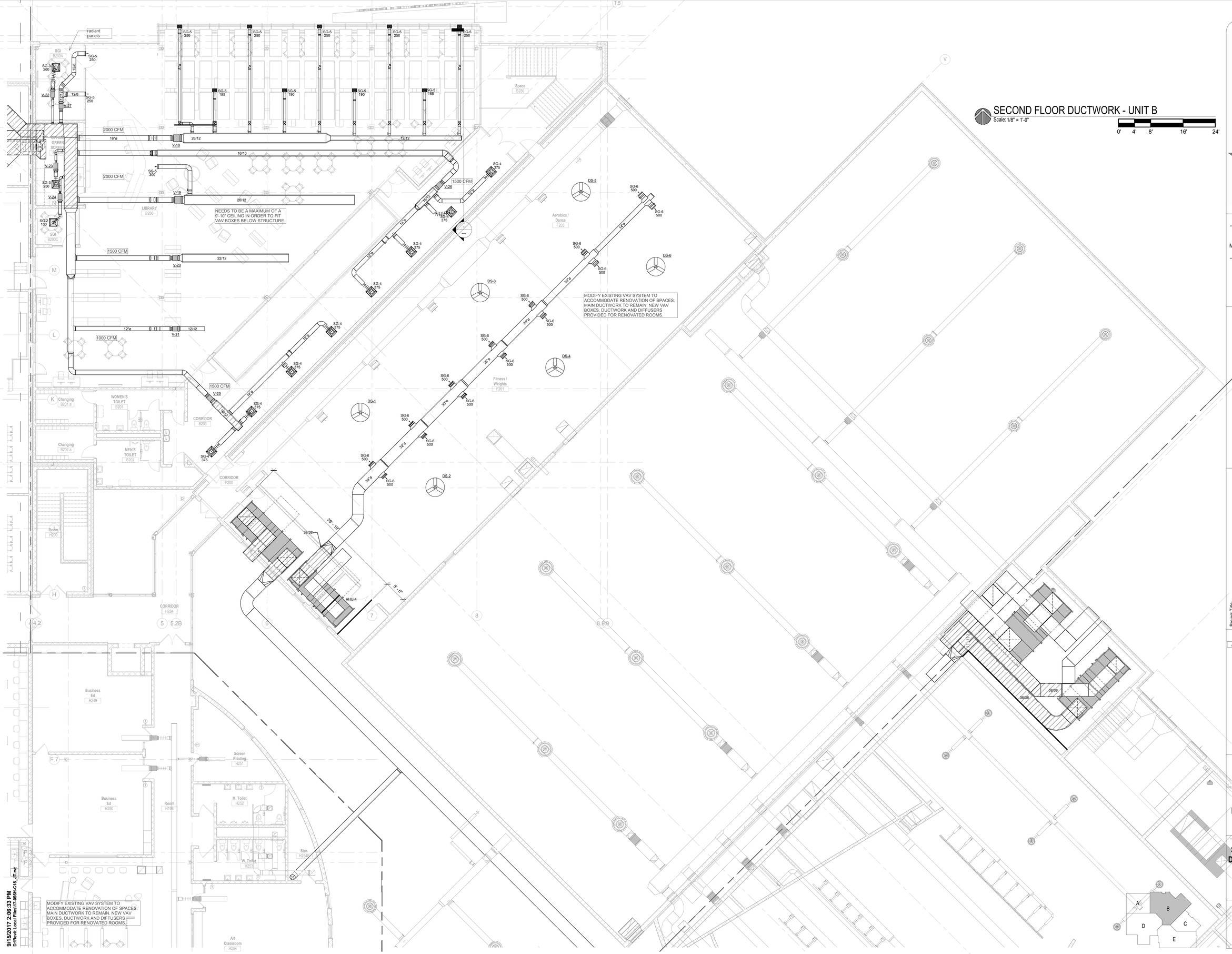

SECOND FLOOR DUCTWORK - UNIT B

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

0' 4' 8' 16' 24'

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SECOND FLOOR DUCTWORK - UNIT C

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0' 4' 8' 16' 24'

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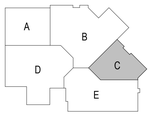

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H3.2C

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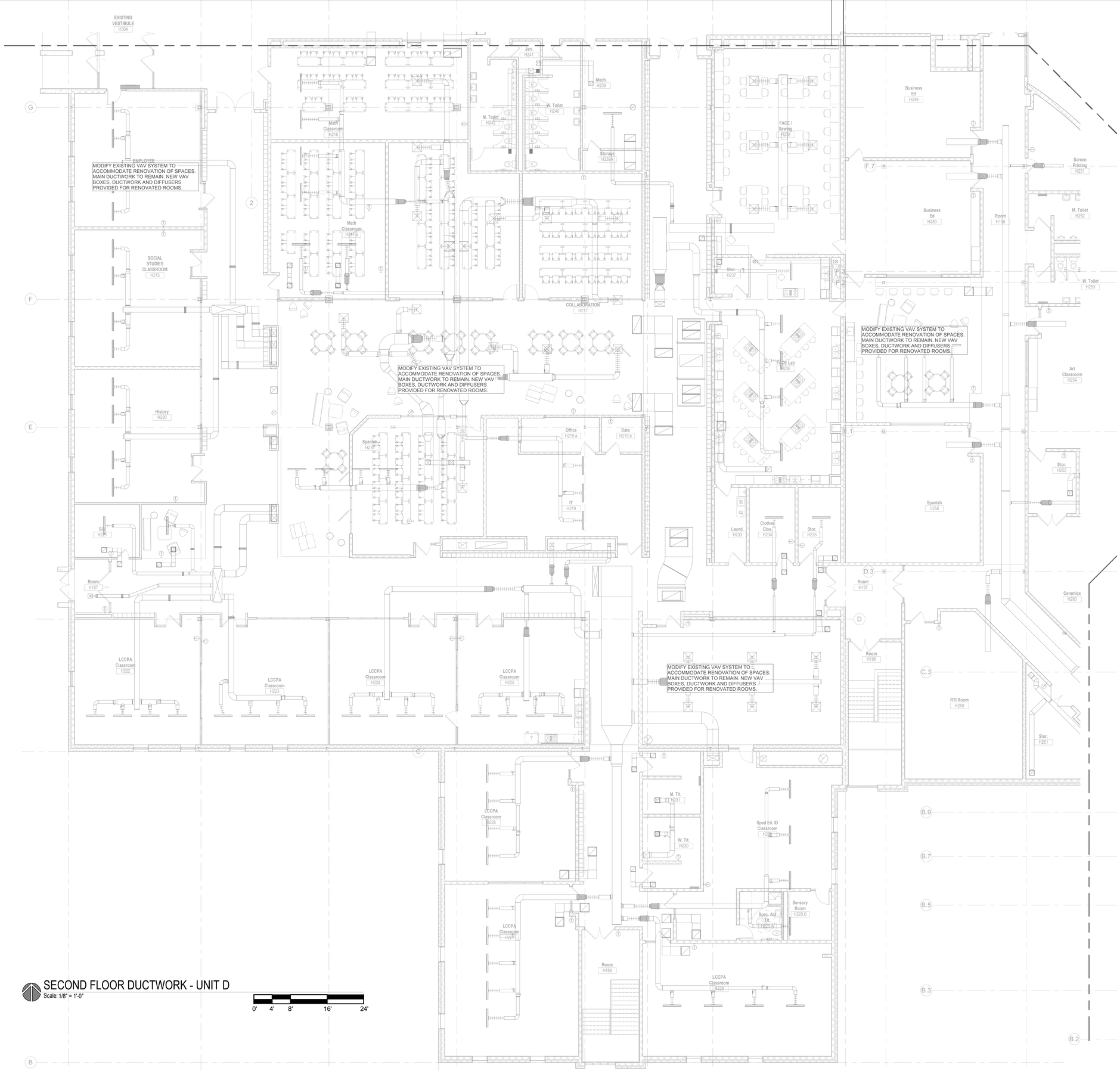

SECOND FLOOR DUCTWORK - UNIT D

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

0' 4' 8' 16' 24'

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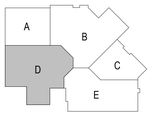

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12308 Corporate Pkwy, Suite 400 Phone: (262) 243-9090
Mequon, WI 53092 E-Mail: cad@fefhvac.com

Project Title:
ADDITION AND RENOVATION TO
LITTLE CHUTE HIGH/ MIDDLE/ INTERMEDIATE SCHOOL
Little Chute Area School District
1402 Freedom Rd Little Chute, WI 54140

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SECOND FLOOR DUCTWORK PLAN - UNIT D

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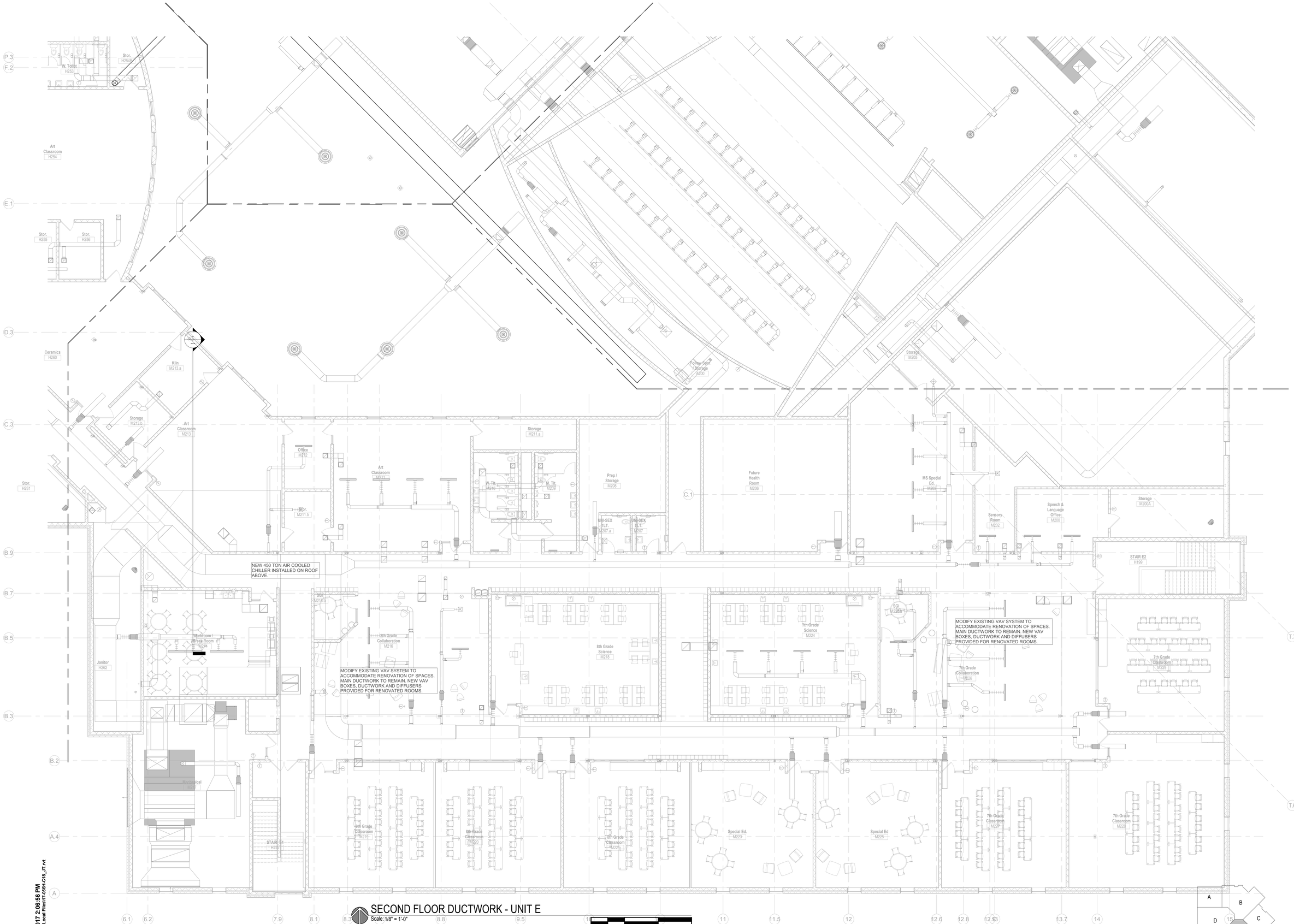

SECOND FLOOR DUCTWORK - UNIT E

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

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Little Chute Area School District
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SECOND FLOOR DUCTWORK PLAN - UNIT E

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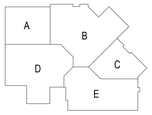
OVERALL ROOF PLAN

Scale: 1/16" = 1'-0"

0' 8' 16' 32' 48'



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1402 Freedom Rd Little Chute, WI 54140

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Sheet Title:
OVERALL ROOF PLAN

Sheet Number:
H3.3

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GENERAL NOTES:

1. UNLESS SHOWN OTHERWISE, ALL WIRING SHOWN IS (2)#10 AND #10 GROUND IN 1" PVC.
2. INSTALL PULL CORD IN ALL EMPTY CONDUITS.

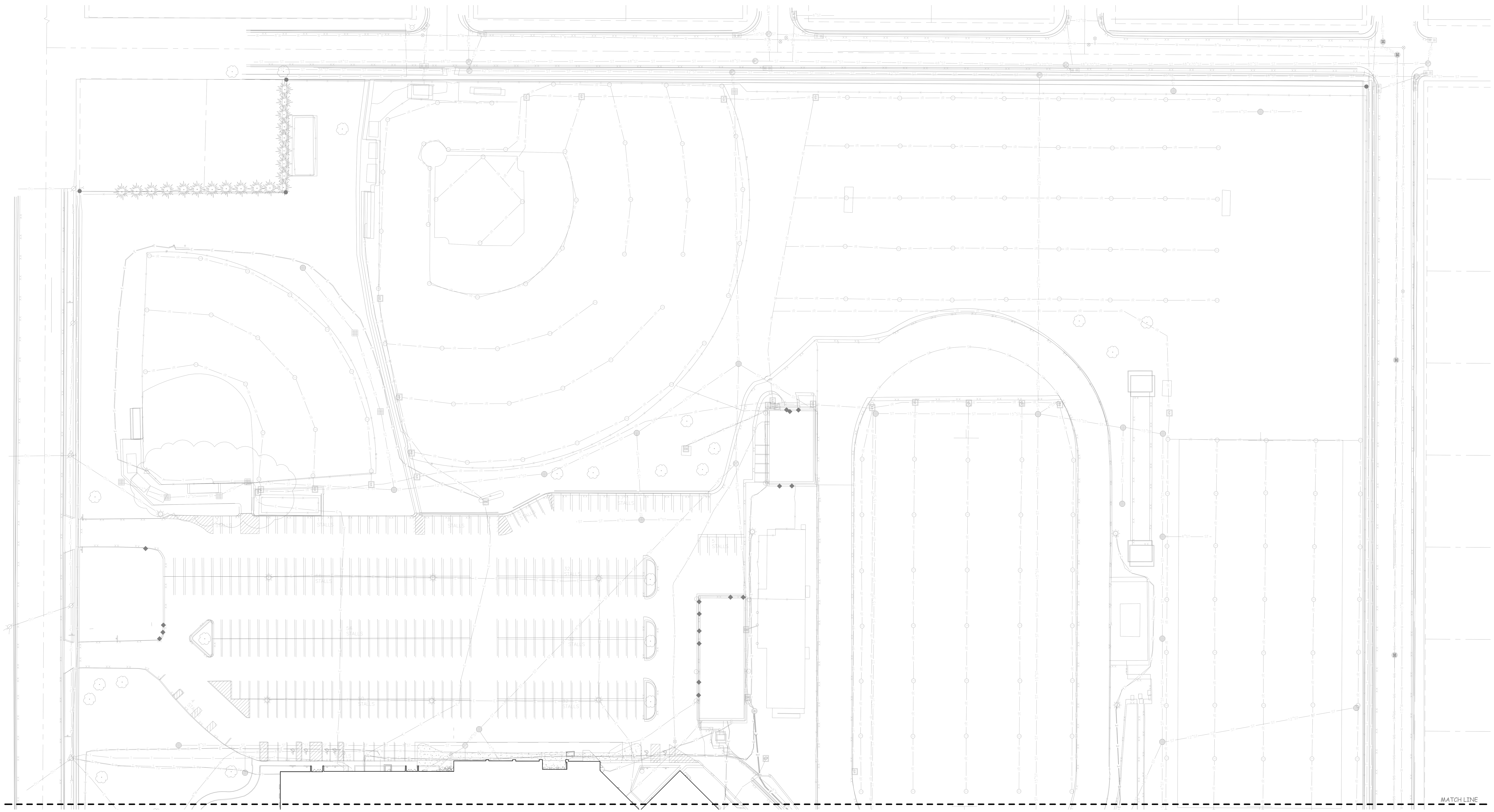
   UNLESS SHOWN OTHERWISE, ALL CONDUITS BURIED 2'-6" BELOW FINISHED GRADE.
3. PROVIDE SITE LIGHTING CONTROL PANEL PER DETAIL .
4. E.C. IS RESPONSIBLE FOR ALL WORK REQUIRED TO BRING SITE EXCAVATION AND TOPPING BACK TO ORIGINAL CONDITION IF TRENCHING IS DONE ON COMPACTED SURFACES.

PLAN NOTES: (X)

1. PROVIDE 24" CONCRETE BASE ROUGH-IN PER DETAIL
2. PROVIDE 3" CONCRETE BASE ROUGH-IN PER DETAIL
3. TYPICAL LIGHT DISTRIBUTION OF 0.5 FOOT CANDLES.
4. TYPICAL LIGHT BEAM LAMP DIRECTION.

SHEET INDEX

Sheet Number	Sheet Name
E1.0	ELECTRICAL SITE PLAN - NORTH
E1.1	ELECTRICAL SITE PLAN - SOUTH
ED1.1	ELECTRCIAL SITE PLAN - DEMO
ED1.2A	FIRST FLOOR PLAN - UNIT A - DEMO
ED1.2B	FIRST FLOOR PLAN - UNIT B - DEMO
ED1.2D	FIRST FLOOR PLAN - UNIT D - DEMO
ED1.2E	FIRST FLOOR PLAN - UNIT E - DEMO
ED1.3A	SECOND FLOOR PLAN - UNIT A - DEMO
ED1.3B	SECOND FLOOR PLAN - UNIT B - DEMO
ED1.3D	SECOND FLOOR PLAN - UNIT D - DEMO
ED1.3E	SECOND FLOOR PLAN - UNIT E - DEMO
E1.2AL	FIRST FLOOR PLAN - UNIT A - LIGHTING
E1.2AP	FIRST FLOOR PLAN - UNIT A - POWER
E1.2BL	FIRST FLOOR PLAN - UNIT B - LIGHTING
E1.2BP	FIRST FLOOR PLAN - UNIT B - POWER
E1.2C	FIRST FLOOR PLAN - UNIT C - ELECTRICAL
E1.2DL	FIRST FLOOR PLAN - UNIT D - LIGHTING
E1.2DP	FIRST FLOOR PLAN - UNIT D - POWER
E1.2EL	FIRST FLOOR PLAN - UNIT E - LIGHTING
E1.2EP	FIRST FLOOR PLAN - UNIT E - POWER
E1.3AL	SECOND FLOOR PLAN - UNIT A - LIGHTING
E1.3AP	SECOND FLOOR PLAN - UNIT A - POWER
E1.3BL	SECOND FLOOR PLAN - UNIT B - LIGHTING
E1.3BP	SECOND FLOOR PLAN - UNIT B - POWER
E1.3C	SECOND FLOOR PLAN - UNIT C - ELECTRICAL
E1.3DL	SECOND FLOOR PLAN - UNIT D - LIGHTING
E1.3DP	SECOND FLOOR PLAN - UNIT D - POWER
E1.3EL	SECOND FLOOR PLAN - UNIT E - LIGHTING
E1.3EP	SECOND FLOOR PLAN - UNIT E - POWER
E2.0	OVERALL FIRST FLOOR PLAN - FIRE ALARM
E2.1	OVERALL SECOND FLOOR PLAN - FIRE ALARM
E2.2	FIRE ALARM DETAILS
E2.3	FIRE ALARM DETAILS
E3.0	ONE LINE DIAGRAM
E3.1	PANEL SCHEDULES
E3.2	PANEL SCHEDULES
E4.0	DETAILS
E4.1	DETAILS
E4.2	DETAILS



ELECTRICAL SITE PLAN - NORTH
Scale1" = 40'-0"

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1402 Freedom Rd Little Chute, WI 54140

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Sheet Title:
ELECTRICAL SITE PLAN - NORTH

Sheet Number:
E1.0

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GENERAL NOTES:

1. UNLESS SHOWN OTHERWISE, ALL WIRING SHOWN IS (2)#10 AND #10 GROUND IN 1" PVC.
2. INSTALL PULL CORD IN ALL EMPTY CONDUITS.
   UNLESS SHOWN OTHERWISE, ALL CONDUITS BURIED 2'-6" BELOW FINISHED GRADE.
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PLAN NOTES: (X)

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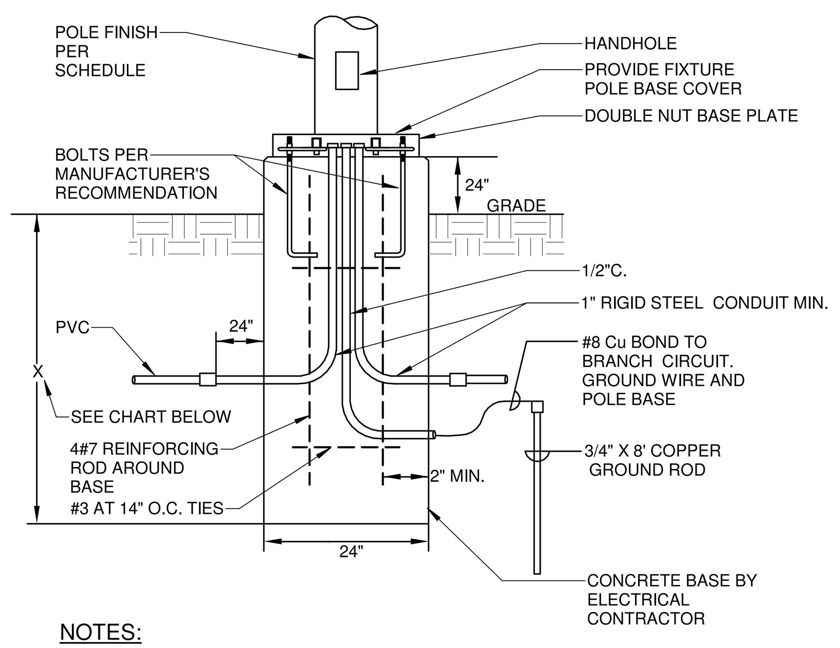
2. PROVIDE 3" CONCRETE BASE ROUGH-IN PER DETAIL
3. TYPICAL LIGHT DISTRIBUTION OF 0.5 FOOT CANDLES.
4. TYPICAL LIGHT BEAM LAMP DIRECTION.

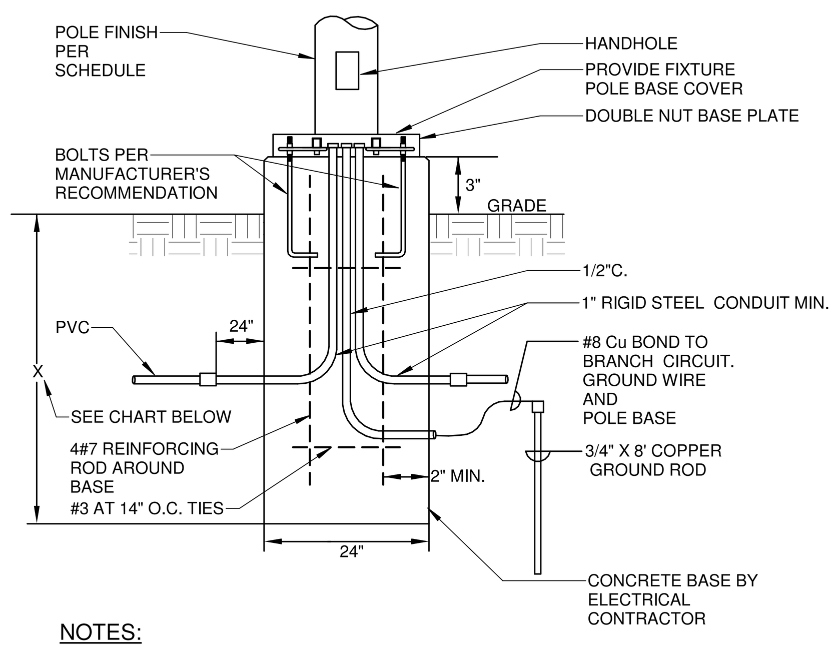


NOTES:

1. IN UNDISTURBED EARTH, EXCLUDING FILL MATERIAL, A 2'-0" DIA. HOLE WHICH SHALL BE USED AS THE FORM FOR THE CONCRETE BASE SHALL BE DRILLED.
2. IN EXCAVATED AREAS OR IN EXISTING SOIL CONTAINING FILL OF OBJECTIONABLE MATERIAL, BACKFILL AROUND CONCRETE BASE WITH COMPACTED GRANULAR BACKFILL A MIN. OF 2'-0" IN ALL DIRECTIONS.

POLE HEIGHT IN FEET	BASE DEPTH IN INCHES BELOW GRADE
10'-0"	X = 60" (INCHES)
15'-0"	X = 60" (INCHES)
20'-0"	X = 60" (INCHES)
25'-0"	X = 72" (INCHES)
30'-0"	X = 72" (INCHES)
35'-0"	X = 72" (INCHES)
40'-0"	X = 96" (INCHES)
45'-0"	X = 96" (INCHES)
50'-0"	X = 108" (INCHES)

1 / E1.1 — 24" EXTERIOR LIGHTING CONCRETE BASE DETAIL
SCALE: NTS



NOTES:

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2. IN EXCAVATED AREAS OR IN EXISTING SOIL CONTAINING FILL OF OBJECTIONABLE MATERIAL, BACKFILL AROUND CONCRETE BASE WITH COMPACTED GRANULAR BACKFILL A MIN. OF 2'-0" IN ALL DIRECTIONS.

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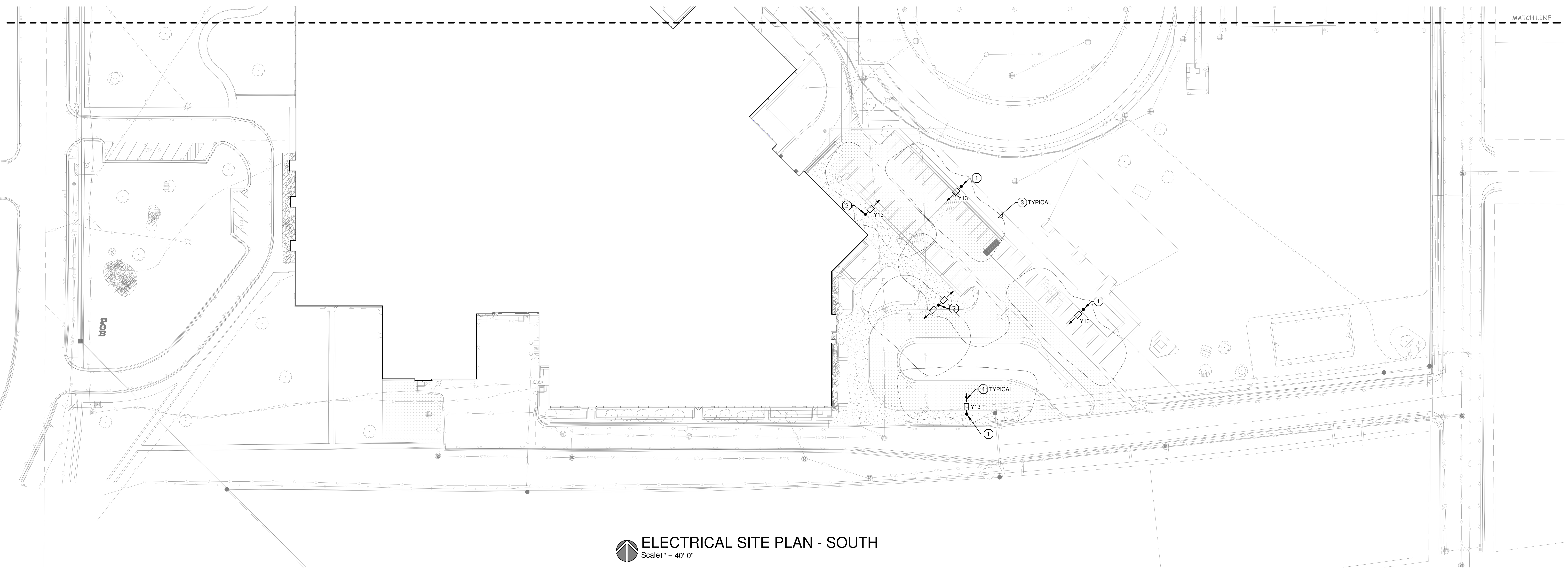
15'-0"	X = 60" (INCHES)
20'-0"	X = 60" (INCHES)
25'-0"	X = 72" (INCHES)
30'-0"	X = 72" (INCHES)
35'-0"	X = 72" (INCHES)
40'-0"	X = 96" (INCHES)
45'-0"	X = 96" (INCHES)
50'-0"	X = 108" (INCHES)

2 / E1.1 — 3" EXTERIOR LIGHTING CONCRETE BASE DETAIL
SCALE: NTS



ELECTRICAL SITE PLAN - SOUTH
Scale1" = 40'-0"

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ELECTRICAL SITE PLAN - SOUTH

Sheet Number:
E1.1

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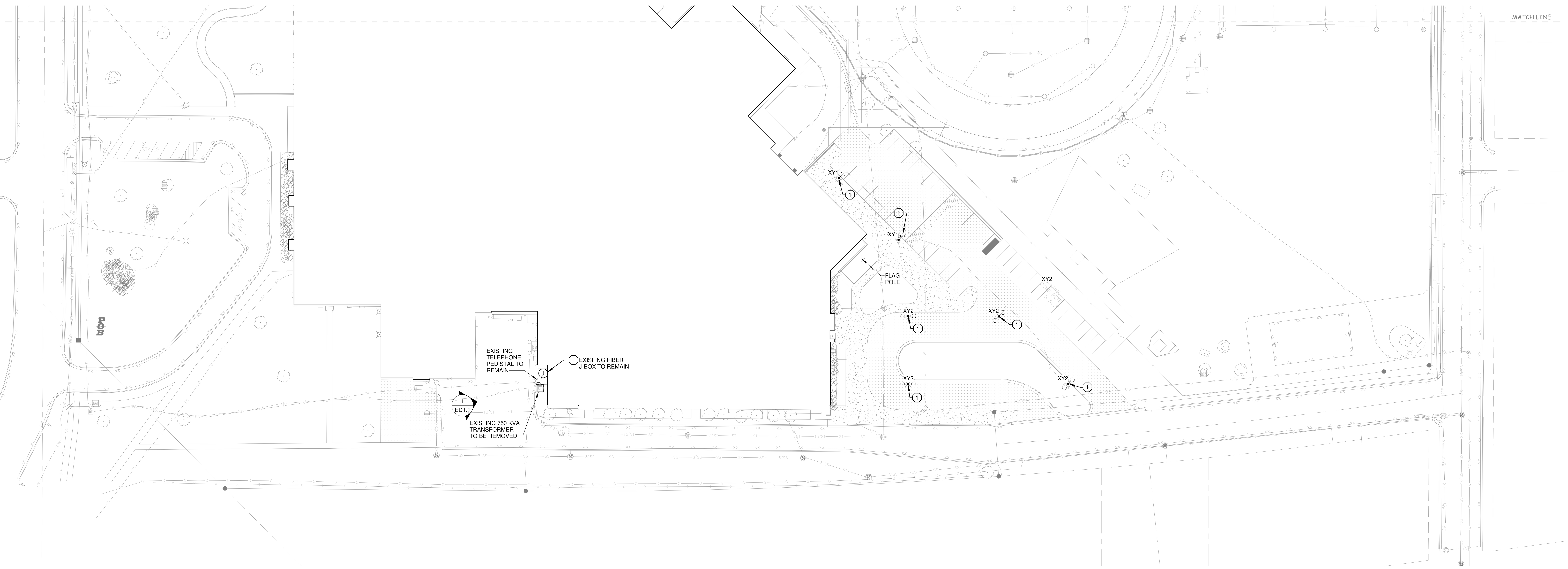
GENERAL NOTES:
1. NOTE.

PLAN NOTES: (X)
1. REMOVE EXISTING POLE AND 24" CONCRETE BASE.

1 ED1.1 EXISITING SERVICE TRANSFORMER FOR SWITCHBOARD MDP-A
SCALE: NTS



ELECTRICAL SITE PLAN - DEMO
Scale1" = 40'-0"

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ELECTRCIAL SITE PLAN - DEMO

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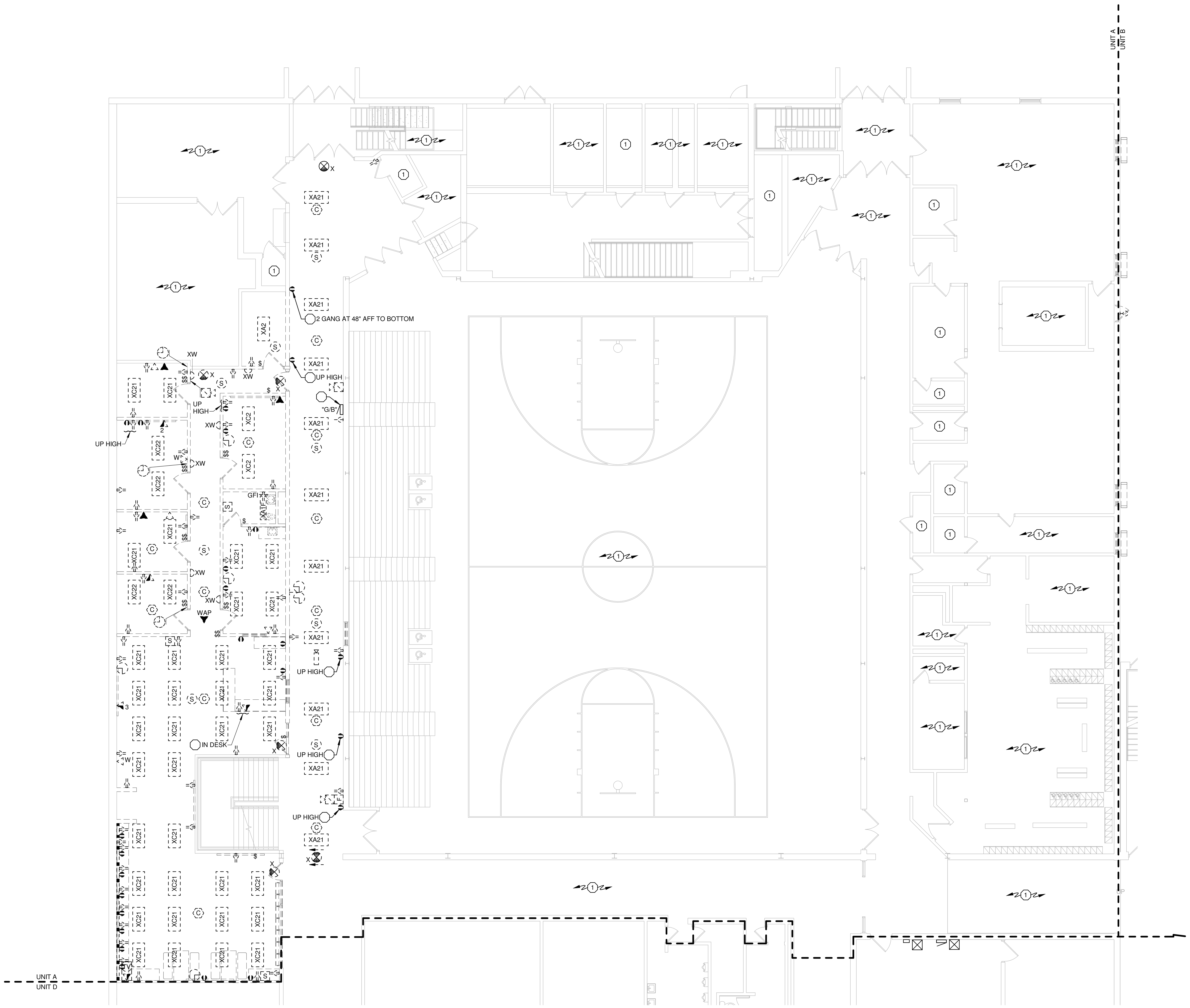
GENERAL NOTES:

1. ALL DEVICES AND EQUIPMENT SHOWN ARE TO BE REMOVED UNLESS SPECIFICALLY NOTED OTHERWISE. SEE PLAN NOTES FOR SPECIFIC WORK REQUIRED.
2. REMOVE ALL DEVICES AND ASSOCIATED WIRING AND CONDUIT BACK TO PANEL OR HEAD END ON EXISTING WALLS AND CEILINGS SCHEDULED TO BE REMOVED. RE-FEED ANY DEVICES ON SAME CIRCUIT SCHEDULED TO REMAIN.
3. PROVIDE A BLANK STAINLESS STEEL COVER PLATE ON ALL UNUSED OPENINGS, IN WALLS SCHEDULED TOREMAIN. IF OPENING WILL NOT ACCEPT BLANK PLATE, PATCH WALL TO MATCH EXISTING.
4. TURN OVER ALL REMOVED LIGHT FIXTURES AND EXIT LIGHTS TO OWNER.
5. DEVICES AND EQUIPMENT SHOWN ON DRAWINGS ARE NOT ALL INCLUSIVE. EVALUATE EXISTING CONDITIONS AND REMOVE ALL ELECTRICAL EQUIPMENT AND DEVICES AS NEEDED TO ACCOMMODATE DEMOLITION OF EXISTING AREAS.
6. VISIT THE PREMISES AND TAKE NOTE OF ALL EXISTING CONDITIONS WHICH MAY AFFECT WORK AND BE RESPONSIBLE FOR KNOWLEDGE OF SAME IN PREPARATION OF BID. LACK OF INFORMATION ON EXISTING CONDITIONS WILL NOT BE ALLOWED AS A VALID CAUSE FOR ADDITIONAL COMPENSATION.

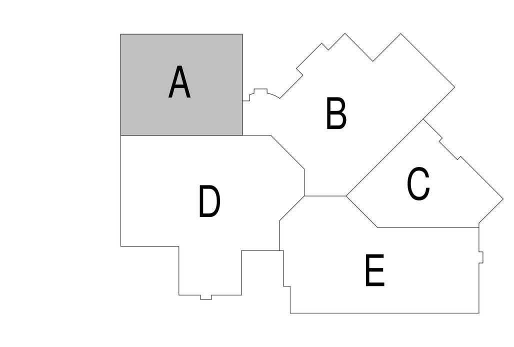
PLAN NOTES: (X)

1. NO WORK IN THIS ROOM.



FIRST FLOOR PLAN - UNIT A - DEMO

Scale 1/8" = 1'-0"



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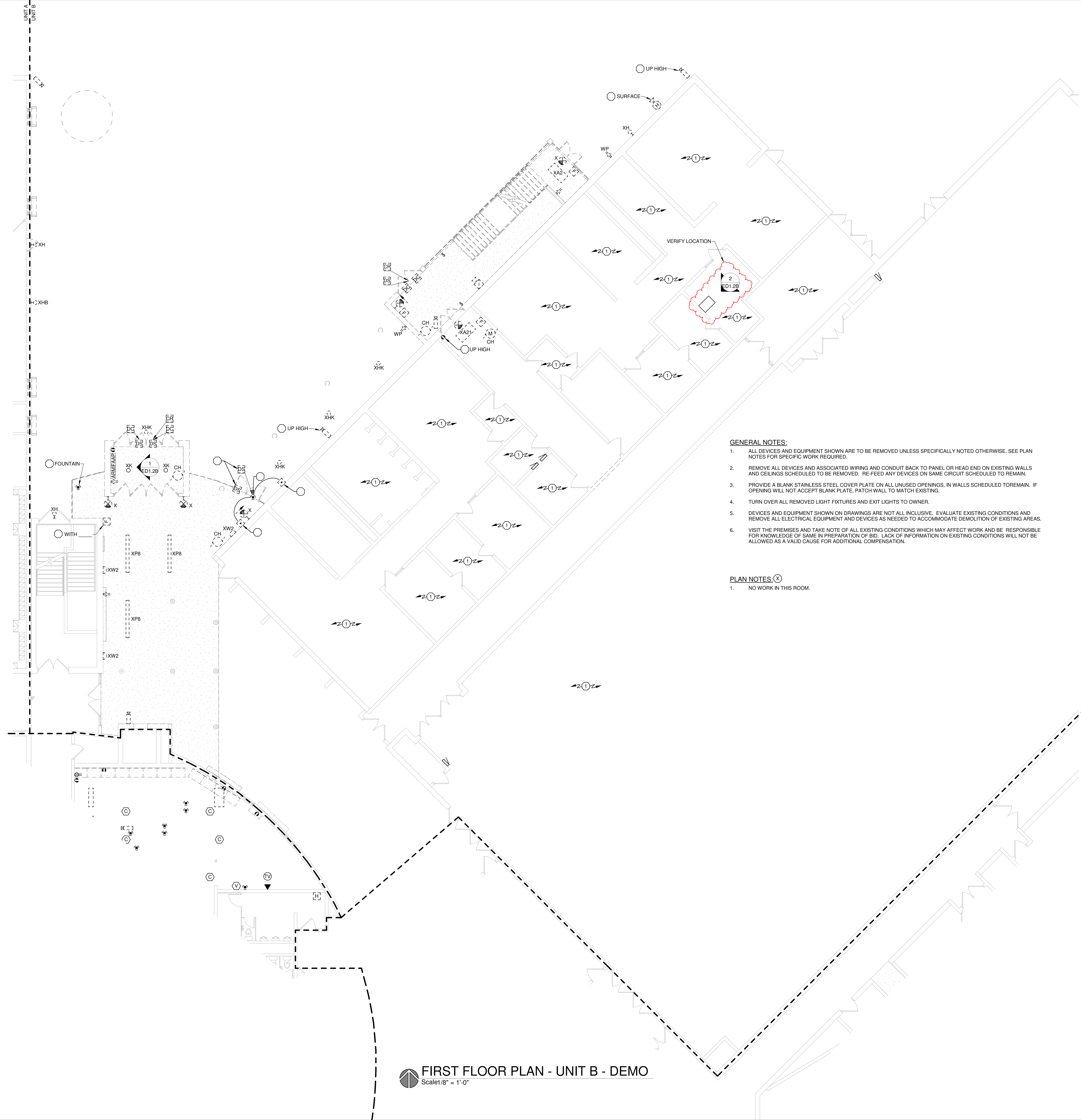

FIRST FLOOR PLAN - UNIT B - DEMO

Scale1/8" = 1'-0"

GENERAL NOTES:

1. ALL DEVICES AND EQUIPMENT SHOWN ARE TO BE REMOVED UNLESS SPECIFICALLY NOTED OTHERWISE. SEE PLAN NOTES FOR SPECIFIC WORK REQUIRED.
2. REMOVE ALL DEVICES AND ASSOCIATED WIRING AND CONDUIT BACK TO PANEL OR HEAD END ON EXISTING WALLS AND CEILINGS SCHEDULED TO BE REMOVED. RE-FEED ANY DEVICES ON SAME CIRCUIT SCHEDULED TO REMAIN.
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4. TURN OVER ALL REMOVED LIGHT FIXTURES AND EXIT LIGHTS TO OWNER.
5. DEVICES AND EQUIPMENT SHOWN ON DRAWINGS ARE NOT ALL INCLUSIVE. EVALUATE EXISTING CONDITIONS AND REMOVE ALL ELECTRICAL EQUIPMENT AND DEVICES AS NEEDED TO ACCOMMODATE DEMOLITION OF EXISTING AREAS.
6. VISIT THE PREMISES AND TAKE NOTE OF ALL EXISTING CONDITIONS WHICH MAY AFFECT WORK AND BE RESPONSIBLE FOR KNOWLEDGE OF SAME IN PREPARATION OF BID. LACK OF INFORMATION ON EXISTING CONDITIONS WILL NOT BE ALLOWED AS A VALID CAUSE FOR ADDITIONAL COMPENSATION.

PLAN NOTES: (X)

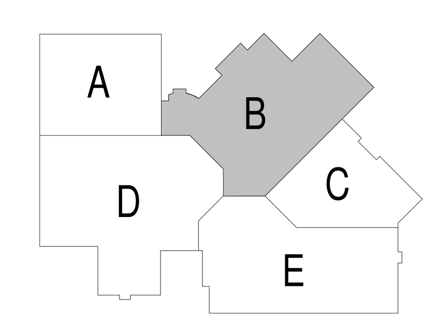
1. NO WORK IN THIS ROOM.

1 ED1.2B EXISTING AREA OF REFUGE MASTER AND FIRE ALARM ANNUNCIATOR

SCALE: NTS

2 ED1.2B EXISTING WEIGHT ROOM SOUND SYSTEM AMPLIFIER

SCALE: NTS



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FIRST FLOOR PLAN - UNIT B - DEMO

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FIRST FLOOR PLAN - UNIT D - DEMO

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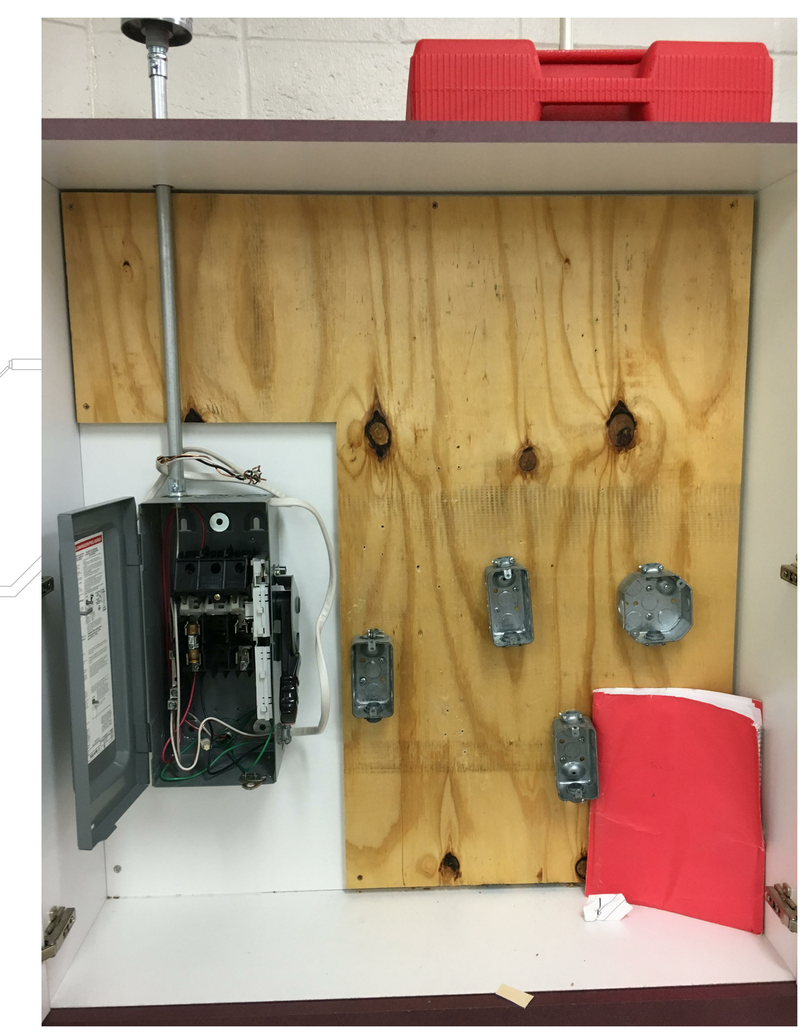
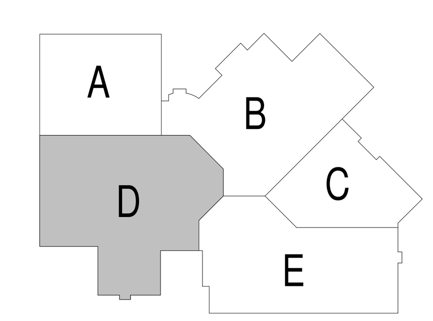
PLAN NOTES: (X)

1. NO WORK IN THIS ROOM.



1 ED1.2D ELECTRONIC LAB STATION

SCALE: NTS



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Sheet Title: FIRST FLOOR PLAN - UNIT D - DEMO

Sheet Number: ED1.2D

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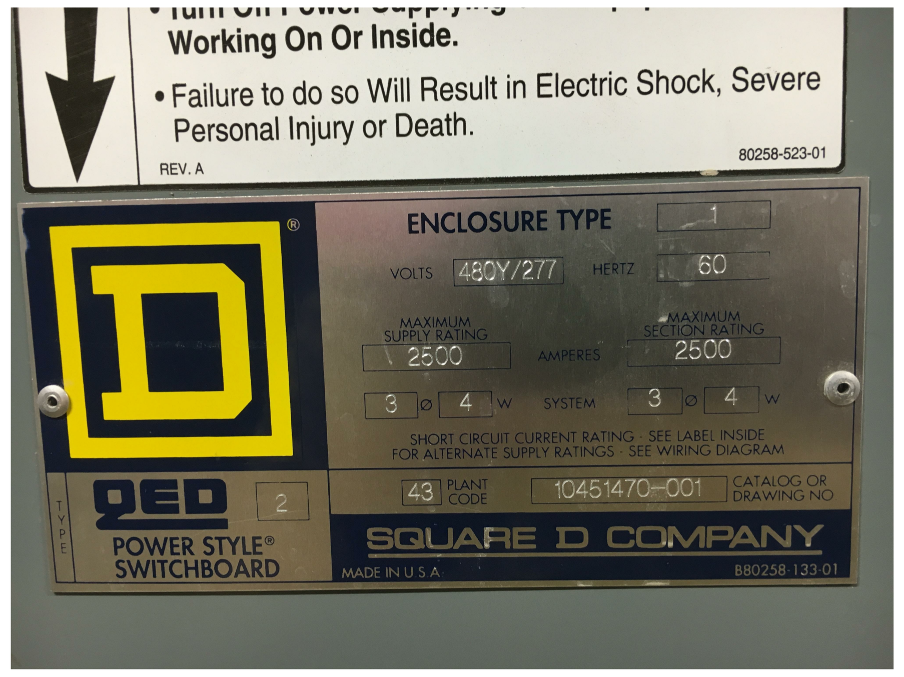
1 ED1.2E EXISTING SWITCHBOARD MDP-A
SCALE: NTS



2 ED1.2E WDP-A PLACECARD
SCALE: NTS

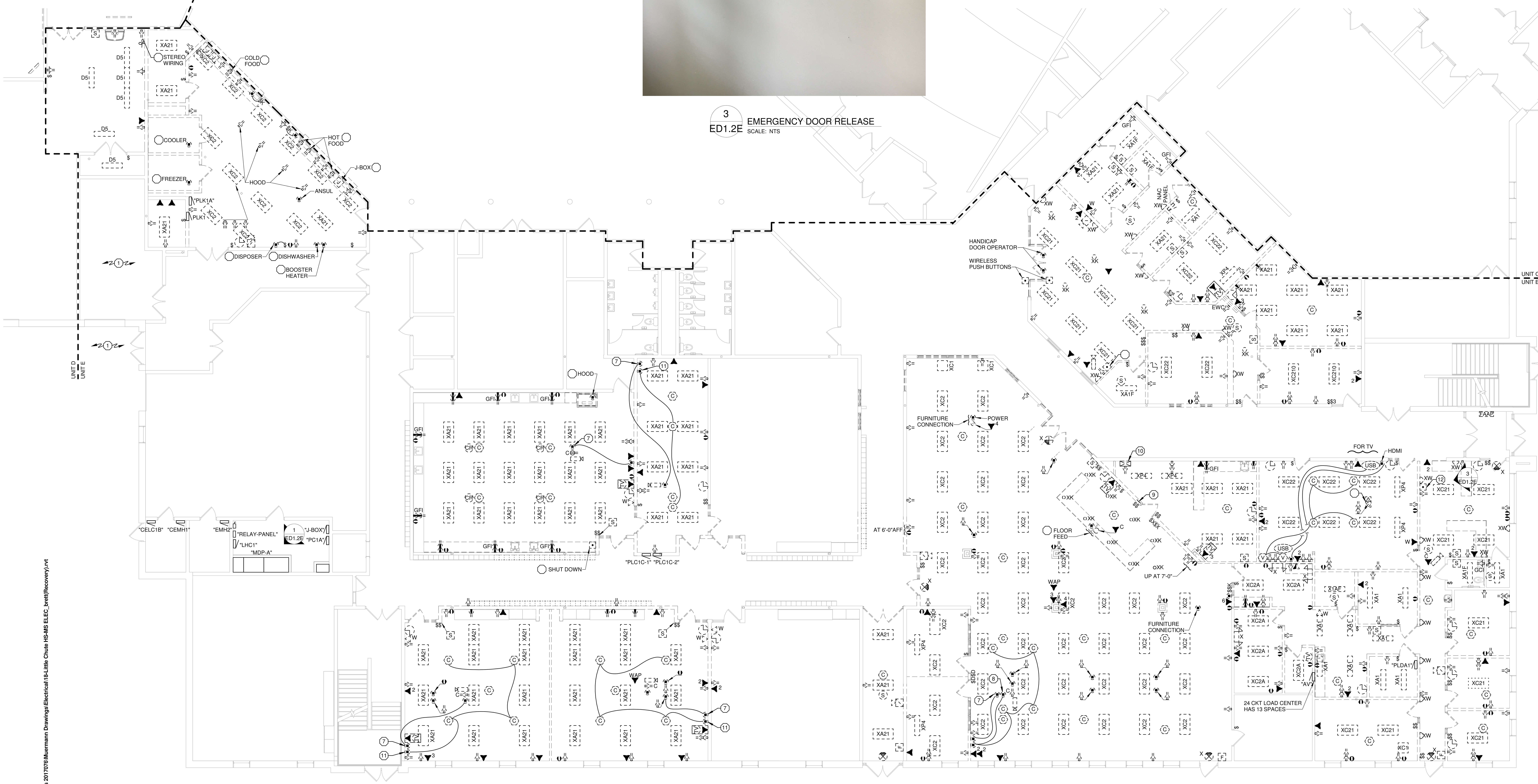
3 ED1.2E EMERGENCY DOOR RELEASE
SCALE: NTS

GENERAL NOTES:

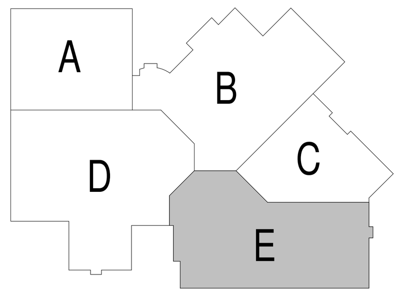
1. ALL DEVICES AND EQUIPMENT SHOWN ARE TO BE REMOVED UNLESS SPECIFICALLY NOTED OTHERWISE. SEE PLAN NOTES FOR SPECIFIC WORK REQUIRED.
2. REMOVE ALL DEVICES AND ASSOCIATED WIRING AND CONDUIT BACK TO PANEL OR HEAD END ON EXISTING WALLS AND CEILINGS SCHEDULED TO BE REMOVED. RE-FEED ANY DEVICES ON SAME CIRCUIT SCHEDULED TO REMAIN.
3. PROVIDE A BLANK STAINLESS STEEL COVER PLATE ON ALL UNUSED OPENINGS, IN WALLS SCHEDULED TOREMAIN. IF OPENING WILL NOT ACCEPT BLANK PLATE, PATCH WALL TO MATCH EXISTING.
4. TURN OVER ALL REMOVED LIGHT FIXTURES AND EXIT LIGHTS TO OWNER.
5. DEVICES AND EQUIPMENT SHOWN ON DRAWINGS ARE NOT ALL INCLUSIVE. EVALUATE EXISTING CONDITIONS AND REMOVE ALL ELECTRICAL EQUIPMENT AND DEVICES AS NEEDED TO ACCOMMODATE DEMOLITION OF EXISTING AREAS.
6. VISIT THE PREMISES AND TAKE NOTE OF ALL EXISTING CONDITIONS WHICH MAY AFFECT WORK AND BE RESPONSIBLE FOR KNOWLEDGE OF SAME IN PREPARATION OF BID. LACK OF INFORMATION ON EXISTING CONDITIONS WILL NOT BE ALLOWED AS A VALID CAUSE FOR ADDITIONAL COMPENSATION.

PLAN NOTES: (X)

1. REMOVE EXISTING DEVICE AND ASSOCIATED WIRING, BOX, AND CONDUIT, IN WALL SCHEDULED TO BE REMOVED.
2. REMOVE EXISTING DEVICE AND WIRING. PROVIDE BLANK PLATE.
3. REMOVE EXISTING DEVICE AND WIRING. BOX AND CONDUIT TO BE RE-USED. SEE POWER AND LIGHTING PLANS.
4. REMOVE EXISTING DEVICE. WIRING TO REMAIN, TO BE RE-USED. NEW DEVICE AND PLATE TO BE INSTALLED. SEE POWER AND LIGHTING PLANS.
5. DISCONNECT EXISTING MOTOR AND REMOVE ALL ASSOCIATED CONDUIT, WIRING, AND CIRCUIT BREAKER.
6. NOT USED.
7. EXISTING VGA, 3.5MM, AND S-VIDIO.
8. COMPONENT.
9. ANNOUNCEMENT SWITCHES.
10. VERIFY RUN OF PANDUIT.
11. SPEAKER INPUT.
12. LOCK DOWN PUSH BUTTON.



FIRST FLOOR PLAN - UNIT E - DEMO
Scale1/8" = 1'-0"



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Project Title:
ADDITION AND RENOVATION TO
LITTLE CHUTE HIGH/ MIDDLE/ INTERMEDIATE SCHOOL
Little Chute Area School District
1402 Freedom Rd Little Chute, WI 54140

REVISIONS:

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Sheet Title:
FIRST FLOOR PLAN - UNIT E - DEMO

Sheet Number:
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GENERAL NOTES:

1. ALL DEVICES AND EQUIPMENT SHOWN ARE TO BE REMOVED UNLESS SPECIFICALLY NOTED OTHERWISE. SEE PLAN NOTES FOR SPECIFIC WORK REQUIRED.
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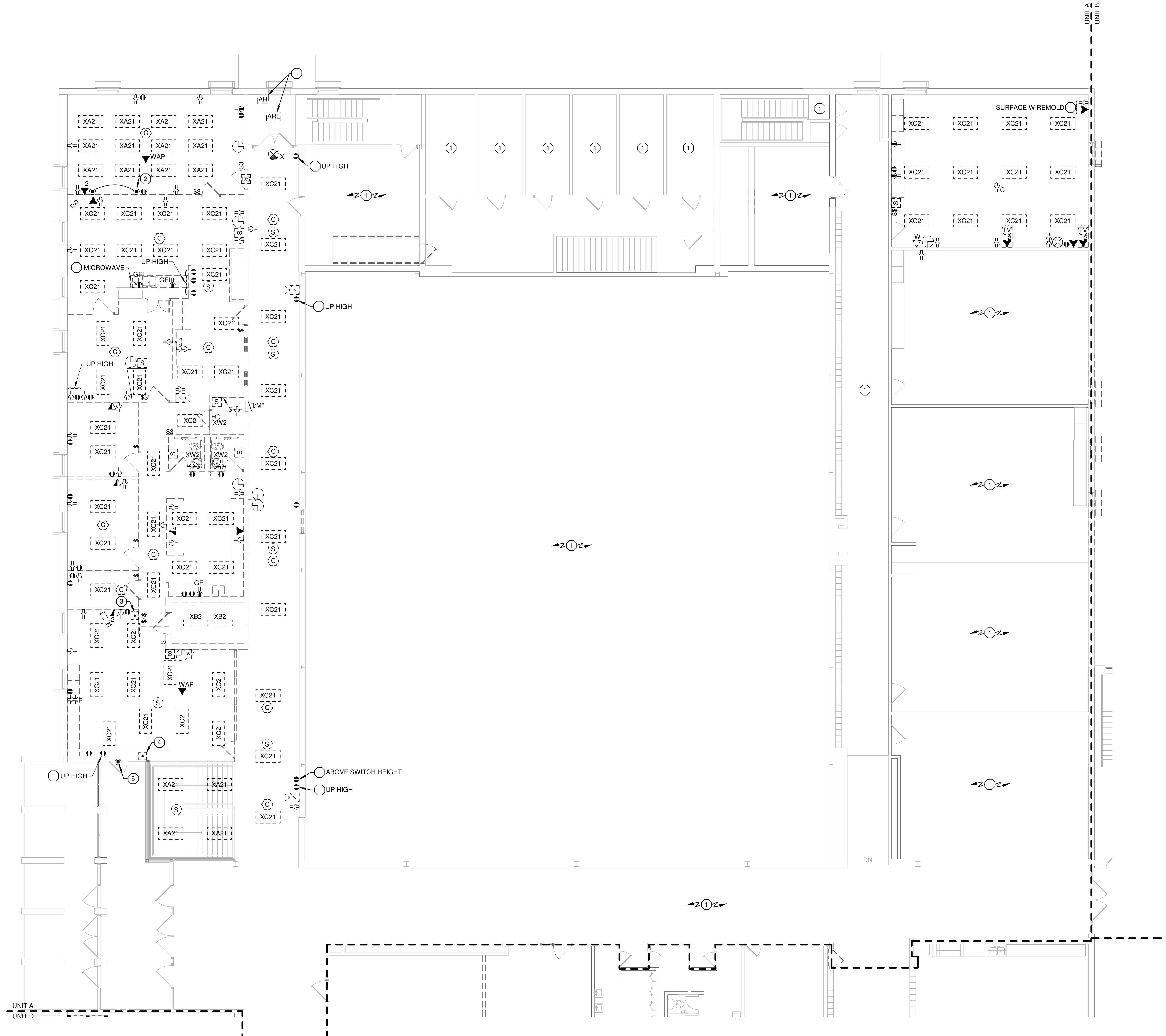
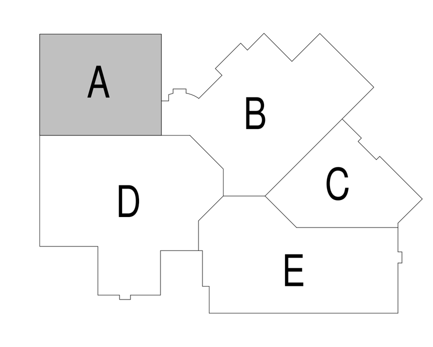
PLAN NOTES: (X)

1. NO WORK IN THIS ROOM.
2. HDMI TO TV.
3. EMERGENCY DOOR LOCK DOWN BUTTON.
4. WIRELESS.
5. HANDICAP.



SECOND FLOOR PLAN - UNIT A - DEMO
Scale1/8" = 1'-0"



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Project Title:
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LITTLE CHUTE HIGH/ MIDDLE/ INTERMEDIATE SCHOOL
Little Chute Area School District
1402 Freedom Rd Little Chute, WI 54140

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SECOND FLOOR PLAN - UNIT A - DEMO

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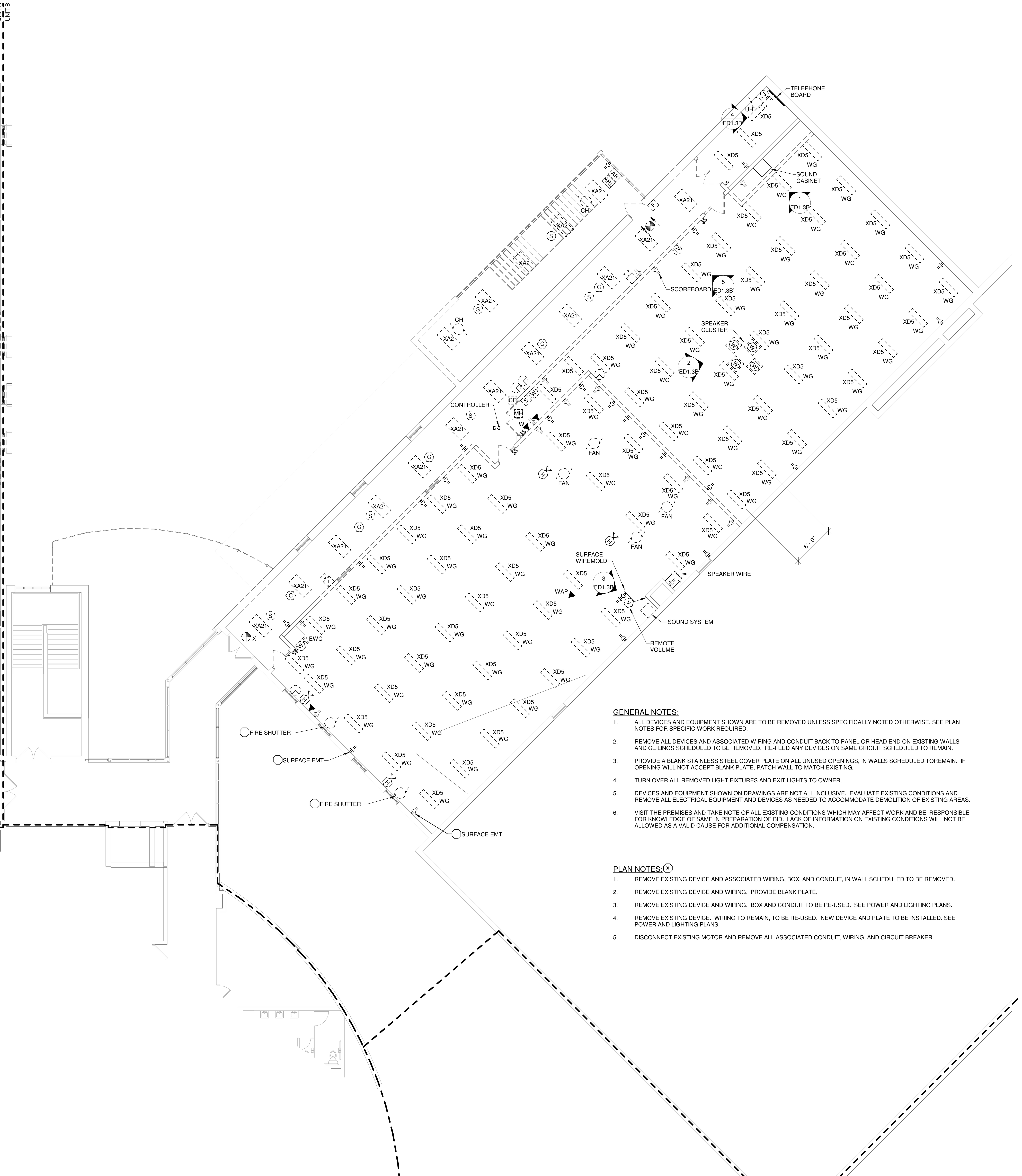

SECOND FLOOR PLAN - UNIT B - DEMO

Scale1/8" = 1'-0"

GENERAL NOTES:

1. ALL DEVICES AND EQUIPMENT SHOWN ARE TO BE REMOVED UNLESS SPECIFICALLY NOTED OTHERWISE. SEE PLAN NOTES FOR SPECIFIC WORK REQUIRED.
2. REMOVE ALL DEVICES AND ASSOCIATED WIRING AND CONDUIT BACK TO PANEL OR HEAD END ON EXISTING WALLS AND CEILINGS SCHEDULED TO BE REMOVED. RE-FEED ANY DEVICES ON SAME CIRCUIT SCHEDULED TO REMAIN.
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PLAN NOTES: (X)

1. REMOVE EXISTING DEVICE AND ASSOCIATED WIRING, BOX, AND CONDUIT, IN WALL SCHEDULED TO BE REMOVED.
2. REMOVE EXISTING DEVICE AND WIRING. PROVIDE BLANK PLATE.
3. REMOVE EXISTING DEVICE AND WIRING. BOX AND CONDUIT TO BE RE-USED. SEE POWER AND LIGHTING PLANS.
4. REMOVE EXISTING DEVICE. WIRING TO REMAIN, TO BE RE-USED. NEW DEVICE AND PLATE TO BE INSTALLED. SEE POWER AND LIGHTING PLANS.
5. DISCONNECT EXISTING MOTOR AND REMOVE ALL ASSOCIATED CONDUIT, WIRING, AND CIRCUIT BREAKER.

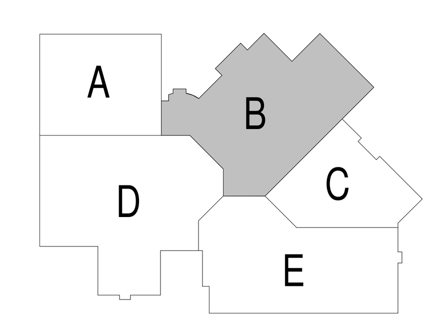
1 ED1.3B EXISTING WRESTLING SOUND SYSTEM
SCALE: NTS

2 ED1.3B EXISTING WRESTLING SOUND SYSTEM SPEAKER CLUSTER
SCALE: NTS

3 ED1.3B EXISTING WIEGHT ROOM CD AND TUNER FOR SOUND SYSTEM
SCALE: NTS

4 ED1.3B EXISTING LOW VOLTAGE TERMINATION BOARD
SCALE: NTS

5 ED1.3B EXISTING WRESTLING SCOREBOARD
SCALE: NTS



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Little Chute Area School District
1402 Freedom Rd Little Chute, WI 54140

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Sheet Title: **SECOND FLOOR PLAN - UNIT B - DEMO**

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GENERAL NOTES:

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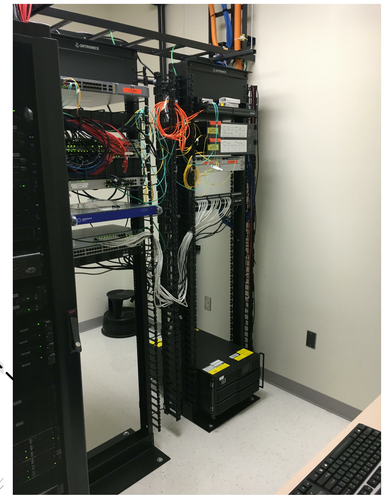
PLAN NOTES: (X)

1. NO WORK IN THIS ROOM.
2. MOUNTED IN BOOK CASE.
3. MOUNTED AT 80"AFF.
4. REMOVE EXISITNG DEVICE. WIRING TO REMAIN, TO BE RE-USED. NEW DEVICE AND PLATE TO BE INSTALLED. SEE POWER AND LIGHTING PLANS.



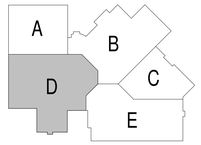
1 ED1.3D EXISTING MAIN DATA RACK
SCALE: NTS

2 ED1.3D EXISTING FLOOR BOX
SCALE: NTS

3 ED1.3D EXISTING DATA RACK
SCALE: NTS

SECOND FLOOR PLAN - UNIT D - DEMO

Scale1/8" = 1'-0"



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1402 Freedom Rd Little Chute, WI 54140

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SECOND FLOOR PLAN - UNIT D - DEMO

Sheet Number:
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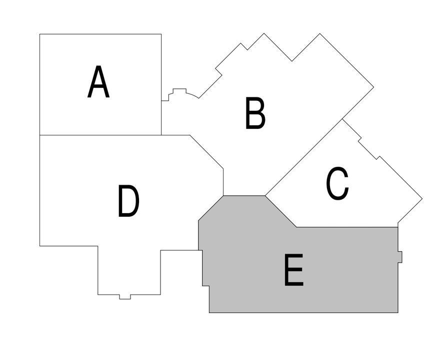
PLAN NOTES: (X)

1. NO WORK IN THIS ROOM.

SECOND FLOOR PLAN - UNIT E - DEMO

Scale1/8" = 1'-0"



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Sheet Title:
SECOND FLOOR PLAN - UNIT E - DEMO

Sheet Number:
ED1.3E

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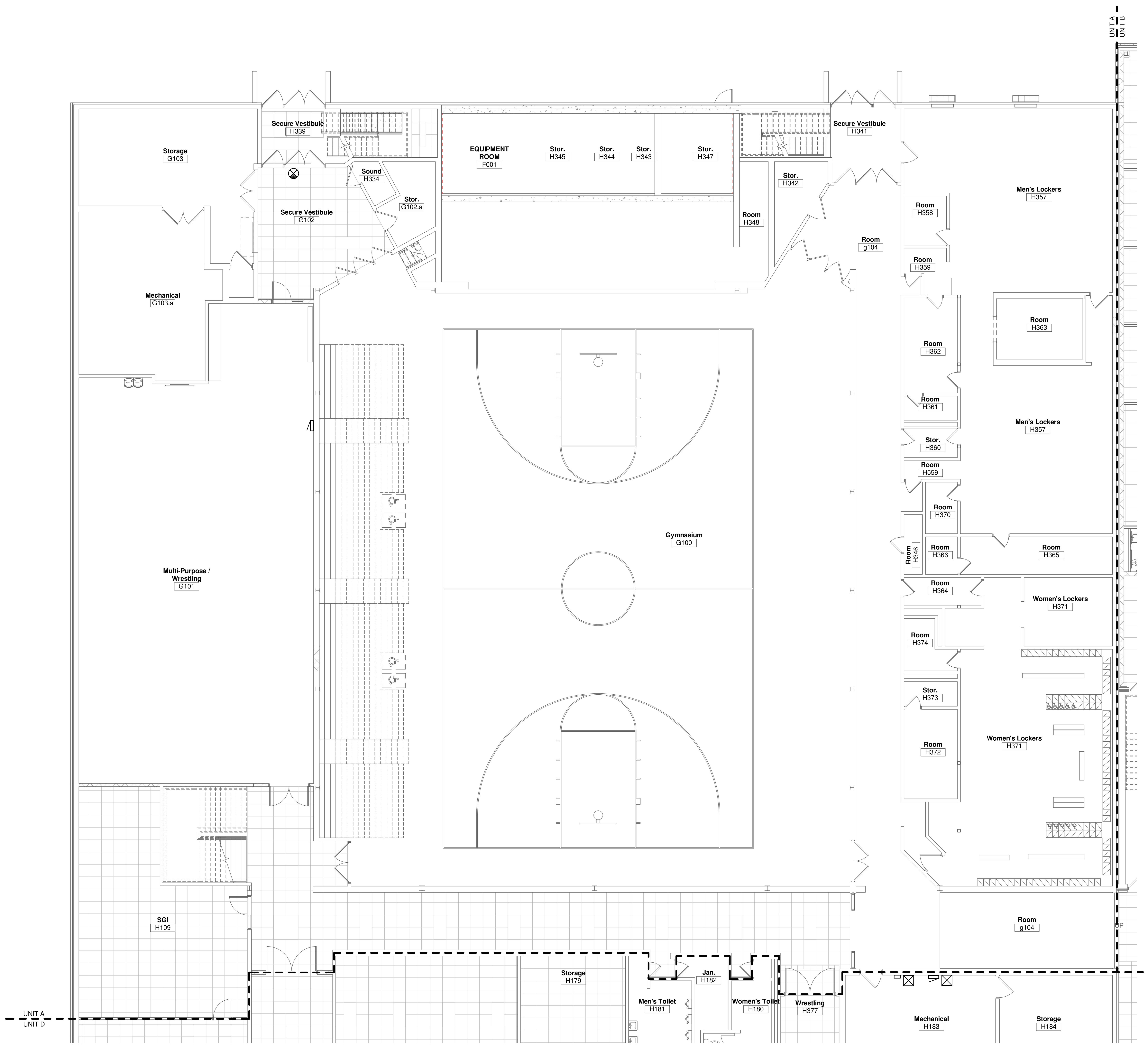
GENERAL NOTES:

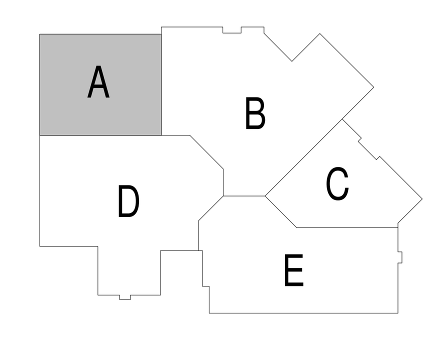
1. ALL EXTERIOR LIGHTING AND BUILDING PERIMETER LIGHTING FIXTURES SHALL BE CIRCUITED WITH THREE WIRES PLUS GROUND FOR FUTURE CONTROL CAPABILITY. SEE DETAIL . CONTROLS ARE LOCATED NEXT TO PANEL (#10 WIRE MINIMUM).
2. ALL LIGHTING FIXTURES IN MECHANICAL ROOMS SHALL BE LAID OUT ON SITE AND DETERMINED BY THE MECHANICAL EQUIPMENT IN ROOM.
3. ALL EXIT LIGHTS THIS SHEET SHALL BE CIRCUITED TO
4. WHERE SHOWN, PROVIDE DUAL LEVEL LIGHTING PER DETAIL .
5. SHADED FIXTURE ( ) INDICATES FIXTURE CONNECTED TO EMERGENCY/NIGHT LIGHT CIRCUIT.
6. IN ROOMS WITH OCCUPANCY SENSOR, GENERAL ILLUMINATION IN ROOM SHALL BE CONTROLLED BY SENSOR. EMERGENCY LIGHTING SHALL NOT BE CONNECTED TO SENSOR. CONTRACTOR TO DETERMINE BEST LOCATION FOR SENSOR IN FIELD WITH MANUFACTURER. SEE DETAIL .
7. ALL , TO BE CIRCUITED TO LIGHTING IN ROOM PER NEC.
8. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF CEILING MOUNTED LIGHT FIXTURES.

PLAN NOTES: (X)

1. XXXX.



FIRST FLOOR PLAN - UNIT A - LIGHTING
Scale1/8" = 1'-0"



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Little Chute Area School District
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Sheet Title:
FIRST FLOOR PLAN - UNIT A - LIGHTING

Sheet Number:
E1.2AL

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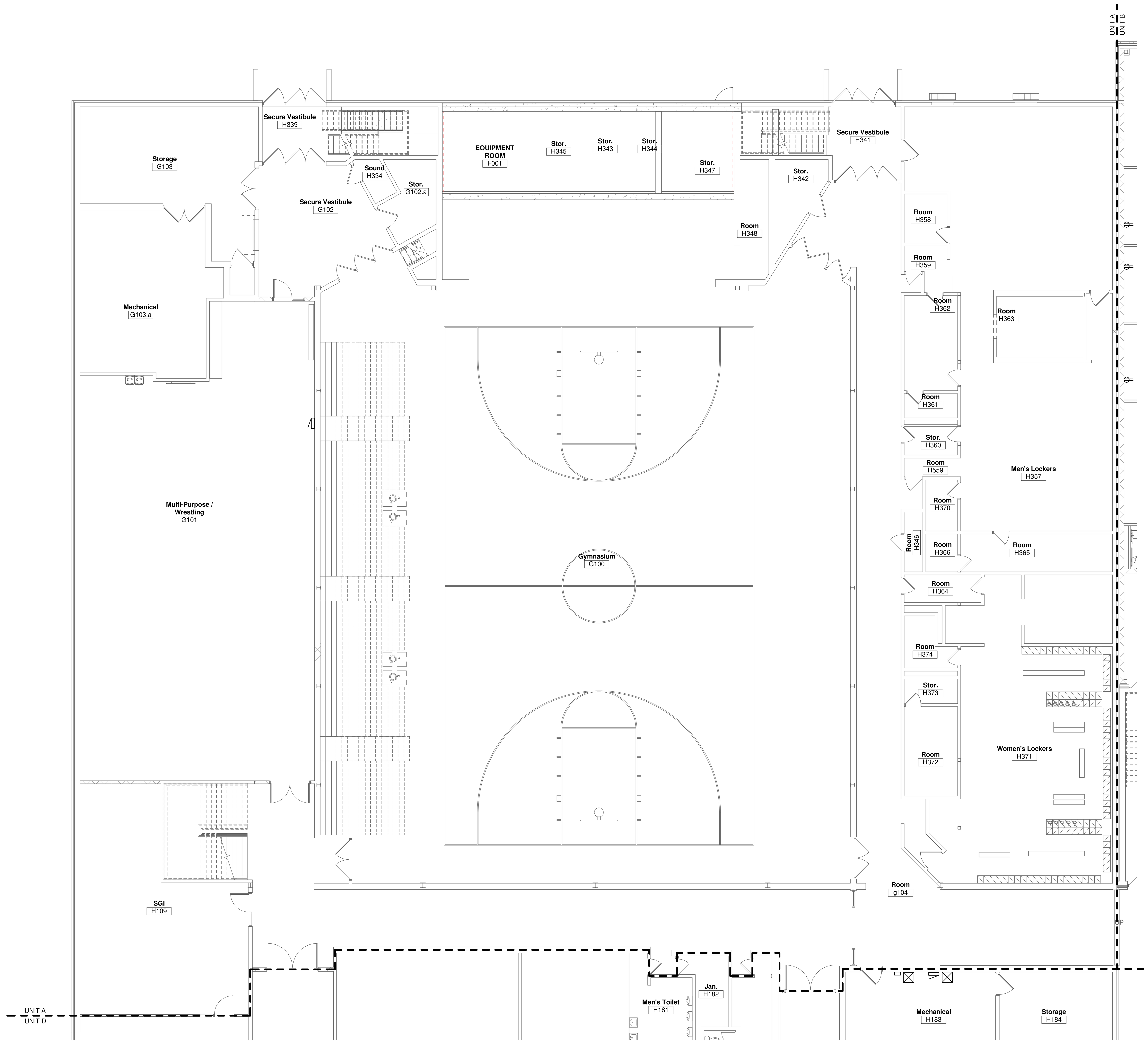
GENERAL NOTES:

1. PROVIDE EXTERIOR RECEPTACLES PER DETAIL .
2. ALL CONDUITS STUBBED OUT OF BUILDING SHALL BE DONE PER DETAIL .
3. CONFIRM EXACT LOCATION OF ALL OUTLETS IN OFFICES AND IMC WITH OWNER PRIOR TO ROUGH-IN.
4. ALL RECEPTACLES FOR ELECTRIC WATER COOLERS (EWC) TO BE ROUGHED-IN BEHIND UNIT. CONFIRM EXACT LOCATION PRIOR TO ROUGH-IN. CONFIRM RECEPTACLE OR DIRECT CONNECTION.
5. ALL RECEPTACLES MOUNTED WITHIN 6 FEET OF SINKS SHALL BE GFI TYPE.
6. ALL ABOVE COUNTER RECEPTACLES SHALL BE MOUNTED HORIZONTALLY DIRECTLY ABOVE BACKSPLASH.
7. ALL LOW VOLTAGE CABLING IN AREAS WITH EXPOSED STRUCTURE SHALL BE IN CONDUIT.

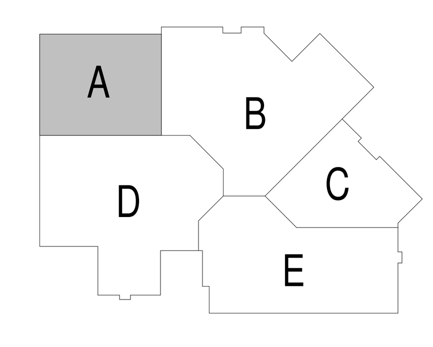
PLAN NOTES: (X)

1. XXXX.



FIRST FLOOR PLAN - UNIT A - POWER

Scale1/8" = 1'-0"



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Sheet Title:
FIRST FLOOR PLAN - UNIT A - POWER

Sheet Number:
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FIRST FLOOR PLAN - UNIT B - LIGHTING
Scale1/8" = 1'-0"

GENERAL NOTES:

1. ALL EXTERIOR LIGHTING AND BUILDING PERIMETER LIGHTING FIXTURES SHALL BE CIRCUITED WITH THREE WIRES PLUS GROUND FOR FUTURE CONTROL CAPABILITY. SEE DETAIL . CONTROLS ARE LOCATED NEXT TO PANEL (#10 WIRE MINIMUM).
2. ALL LIGHTING FIXTURES IN MECHANICAL ROOMS SHALL BE LAID OUT ON SITE AND DETERMINED BY THE MECHANICAL EQUIPMENT IN ROOM.
3. ALL EXIT LIGHTS THIS SHEET SHALL BE CIRCUITED TO
4. WHERE SHOWN, PROVIDE DUAL LEVEL LIGHTING PER DETAIL .
5. SHADED FIXTURE ( ) INDICATES FIXTURE CONNECTED TO EMERGENCY/NIGHT LIGHT CIRCUIT.
6. IN ROOMS WITH OCCUPANCY SENSOR, GENERAL ILLUMINATION IN ROOM SHALL BE CONTROLLED BY SENSOR. EMERGENCY LIGHTING SHALL NOT BE CONNECTED TO SENSOR. CONTRACTOR TO DETERMINE BEST LOCATION FOR SENSOR IN FIELD WITH MANUFACTURER. SEE DETAIL .
7. ALL , , TO BE CIRCUITED TO LIGHTING IN ROOM PER NEC.
8. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF CEILING MOUNTED LIGHT FIXTURES.

PLAN NOTES: X

1. XXXX.

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Project Title:
ADDITION AND RENOVATION TO
LITTLE CHUTE HIGH/ MIDDLE/ INTERMEDIATE SCHOOL
Little Chute Area School District
1402 Freedom Rd Little Chute, WI 54140

REVISIONS:

#	DATE	DESCRIPTION

NOT FOR CONSTRUCTION

Project Number:
3294

Tlt Issued For:
A121D
PROGRESS SET

Sheet Title:
Men's Plan
A121A
FIRST FLOOR PLAN - UNIT B - LIGHTING

Sheet Number:
E1.2BL

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FIRST FLOOR PLAN - UNIT B - POWER
Scale1/8" = 1'-0"

GENERAL NOTES:

1. PROVIDE EXTERIOR RECEPTACLES PER DETAIL .
2. ALL CONDUITS STUBBED OUT OF BUILDING SHALL BE DONE PER DETAIL .
3. CONFIRM EXACT LOCATION OF ALL OUTLETS IN OFFICES AND IMC WITH OWNER PRIOR TO ROUGH-IN.
4. ALL RECEPTACLES FOR ELECTRIC WATER COOLERS (EWC) TO BE ROUGHED-IN BEHIND UNIT. CONFIRM EXACT LOCATION PRIOR TO ROUGH-IN. CONFIRM RECEPTACLE OR DIRECT CONNECTION.
5. ALL RECEPTACLES MOUNTED WITHIN 6 FEET OF SINKS SHALL BE GFI TYPE.
6. ALL ABOVE COUNTER RECEPTACLES SHALL BE MOUNTED HORIZONTALLY DIRECTLY ABOVE BACKSPLASH.
7. ALL LOW VOLTAGE CABLING IN AREAS WITH EXPOSED STRUCTURE SHALL BE IN CONDUIT.

PLAN NOTES: X

1. XXXX.

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Little Chute Area School District
1402 Freedom Rd Little Chute, WI 54140

REVISIONS:

#	DATE	DESCRIPTION

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Project Number:
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Issued For:
PROGRESS SET

Sheet Title:
FIRST FLOOR PLAN - UNIT B - POWER

Sheet Number:
E1.2BP

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GENERAL NOTES:

1. ALL LIGHTING FIXTURES IN MECHANICAL ROOMS SHALL BE LAID OUT ON SITE AND DETERMINED BY THE MECHANICAL EQUIPMENT IN ROOM.
2. ALL EXIT LIGHTS THIS SHEET SHALL BE CIRCUITED TO AREA EXIT LIGHT CIRCUIT.
3. SHADED FIXTURE ( ) INDICATES FIXTURE CONNECTED TO EMERGENCY LIGHT CIRCUIT.
4. IN ROOMS WITH OCCUPANCY SENSOR, GENERAL ILLUMINATION IN ROOM SHALL BE CONTROLLED BY SENSOR. EMERGENCY LIGHTING SHALL NOT BE CONNECTED TO SENSOR. CONTRACTOR TO DETERMINE BEST LOCATION FOR SENSOR IN FIELD WITH MANUFACTURER. SEE DETAIL - / --- .
5. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF CEILING MOUNTED LIGHT FIXTURES.
6. PROVIDE EXTERIOR RECEPTACLES PER DETAIL 10 / E4.0 .
7. ALL CONDUITS STUBBED OUT OF BUILDING SHALL BE DONE PER DETAIL .
8. CONFIRM EXACT LOCATION OF ALL OUTLETS IN OFFICES AND IMC WITH OWNER PRIOR TO ROUGH-IN.
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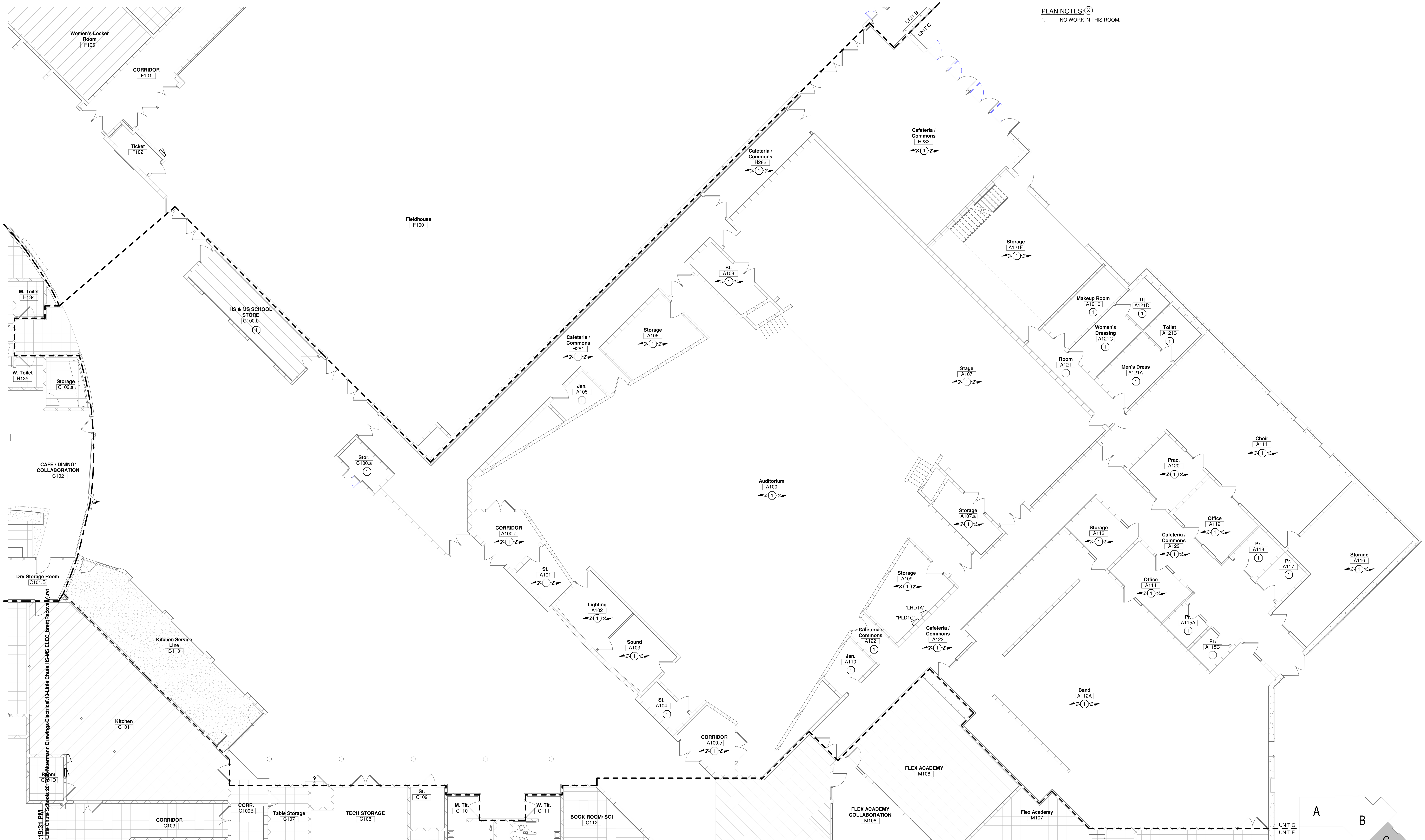
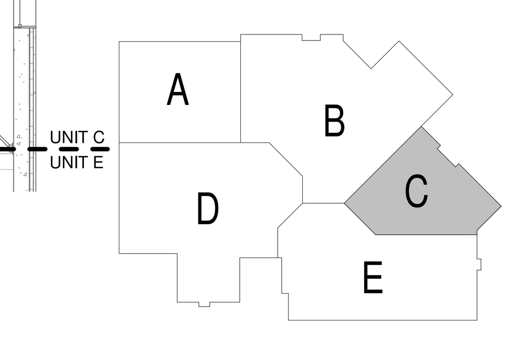
11. ALL LOW VOLTAGE CABLING IN AREAS WITH EXPOSED STRUCTURE SHALL BE IN CONDUIT.

PLAN NOTES: (X)

1. NO WORK IN THIS ROOM.





FIRST FLOOR PLAN - UNIT C - ELECTRICAL

Scale 1/8" = 1'-0"

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Little Chute Area School District
1402 Freedom Rd Little Chute, WI 54140

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Sheet Title:
FIRST FLOOR PLAN - UNIT C - ELECTRICAL

Sheet Number:
E1.2C

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FIRST FLOOR PLAN - UNIT D - LIGHTING
Scale1/8" = 1'-0"

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GENERAL NOTES:

1. ALL EXTERIOR LIGHTING AND BUILDING PERIMETER LIGHTING FIXTURES SHALL BE CIRCUITED WITH THREE WIRES PLUS GROUND FOR FUTURE CONTROL CAPABILITY. SEE DETAIL . CONTROLS ARE LOCATED NEXT TO PANEL (#10 WIRE MIN).
2. ALL LIGHTING FIXTURES IN MECHANICAL ROOMS SHALL BE LAID OUT ON SITE AND DETERMINED BY THE MECHANICAL EQUIPMENT IN ROOM.
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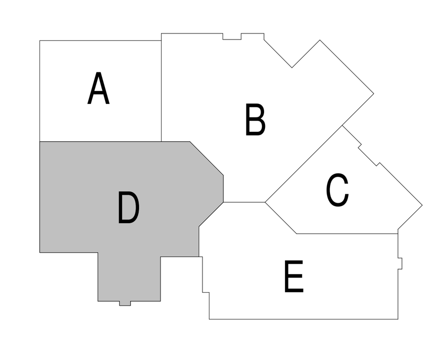
7. ALL , TO BE CIRCUITED TO LIGHTING IN ROOM PER NEC.
8. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF CEILING MOUNTED LIGHT FIXTURES.

PLAN NOTES: X

1. XXXX.



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Little Chute Area School District
1402 Freedom Rd Little Chute, WI 54140

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Project Number:
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PROGRESS SET

Sheet Title:
FIRST FLOOR PLAN - UNIT D - LIGHTING

Sheet Number:
E1.2DL

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GENERAL NOTES:

1. PROVIDE EXTERIOR RECEPTACLES PER DETAIL .
2. ALL CONDUITS STUBBED OUT OF BUILDING SHALL BE DONE PER DETAIL .
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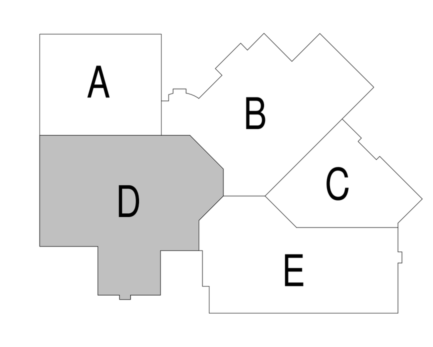
7. ALL LOW VOLTAGE CABLING IN AREAS WITH EXPOSED STRUCTURE SHALL BE IN CONDUIT.

PLAN NOTES: (X)

1. XXXX.

FIRST FLOOR PLAN - UNIT D - POWER

Scale1/8" = 1'-0"



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Sheet Title:
FIRST FLOOR PLAN - UNIT D - POWER

Sheet Number:
E1.2DP

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GENERAL NOTES:

1. ALL EXTERIOR LIGHTING AND BUILDING PERIMETER LIGHTING FIXTURES SHALL BE CIRCUITED WITH THREE WIRES PLUS GROUND FOR FUTURE CONTROL CAPABILITY. SEE DETAIL . CONTROLS ARE LOCATED NEXT TO PANEL (#10 WIRE MINIMUM).
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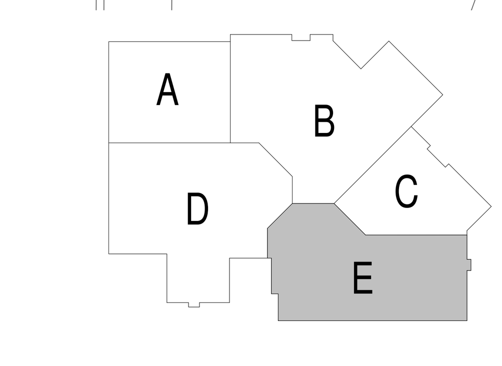
7. ALL , TO BE CIRCUITED TO LIGHTING IN ROOM PER NEC.
8. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF CEILING MOUNTED LIGHT FIXTURES.

PLAN NOTES: (X)

1. XXXX.

FIRST FLOOR PLAN - UNIT E - LIGHTING

Scale1/8" = 1'-0"



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Little Chute Area School District
1402 Freedom Rd Little Chute, WI 54140

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Sheet Title:
FIRST FLOOR PLAN - UNIT E - LIGHTING

Sheet Number:
E1.2EL

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GENERAL NOTES:
1. PROVIDE EXTERIOR RECEPTACLES PER DETAIL .
2. ALL CONDUITS STUBBED OUT OF BUILDING SHALL BE DONE PER DETAIL .
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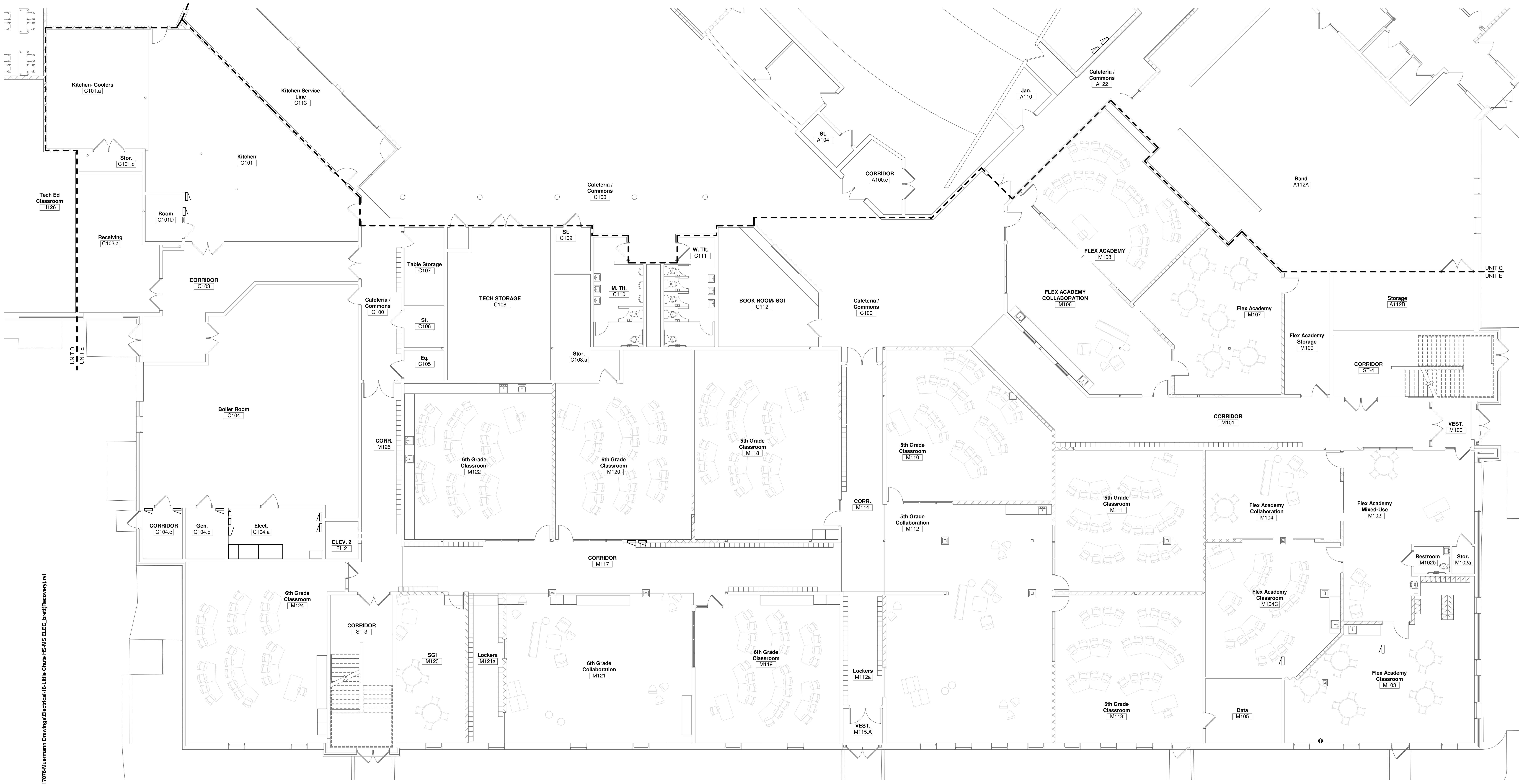
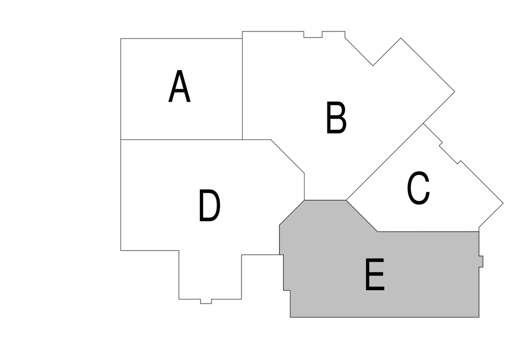
6. ALL ABOVE COUNTER RECEPTACLES SHALL BE MOUNTED HORIZONTALLY DIRECTLY ABOVE BACKSPLASH.
7. ALL LOW VOLTAGE CABLING IN AREAS WITH EXPOSED STRUCTURE SHALL BE IN CONDUIT.

PLAN NOTES: (X)
1. XXXX.



FIRST FLOOR PLAN - UNIT E - POWER
Scale1/8" = 1'-0"



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Sheet Title:
FIRST FLOOR PLAN - UNIT E - POWER

Sheet Number:
E1.2EP

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GENERAL NOTES:

1. ALL EXTERIOR LIGHTING AND BUILDING PERIMETER LIGHTING FIXTURES SHALL BE CIRCUITED WITH THREE WIRES PLUS GROUND FOR FUTURE CONTROL CAPABILITY. SEE DETAIL . CONTROLS ARE LOCATED NEXT TO PANEL (#10 WIRE MINIMUM).
2. ALL LIGHTING FIXTURES IN MECHANICAL ROOMS SHALL BE LAID OUT ON SITE AND DETERMINED BY THE MECHANICAL EQUIPMENT IN ROOM.
3. ALL EXIT LIGHTS THIS SHEET SHALL BE CIRCUITED TO
4. WHERE SHOWN, PROVIDE DUAL LEVEL LIGHTING PER DETAIL .
5. SHADED FIXTURE ( ) INDICATES FIXTURE CONNECTED TO EMERGENCY/NIGHT LIGHT CIRCUIT.
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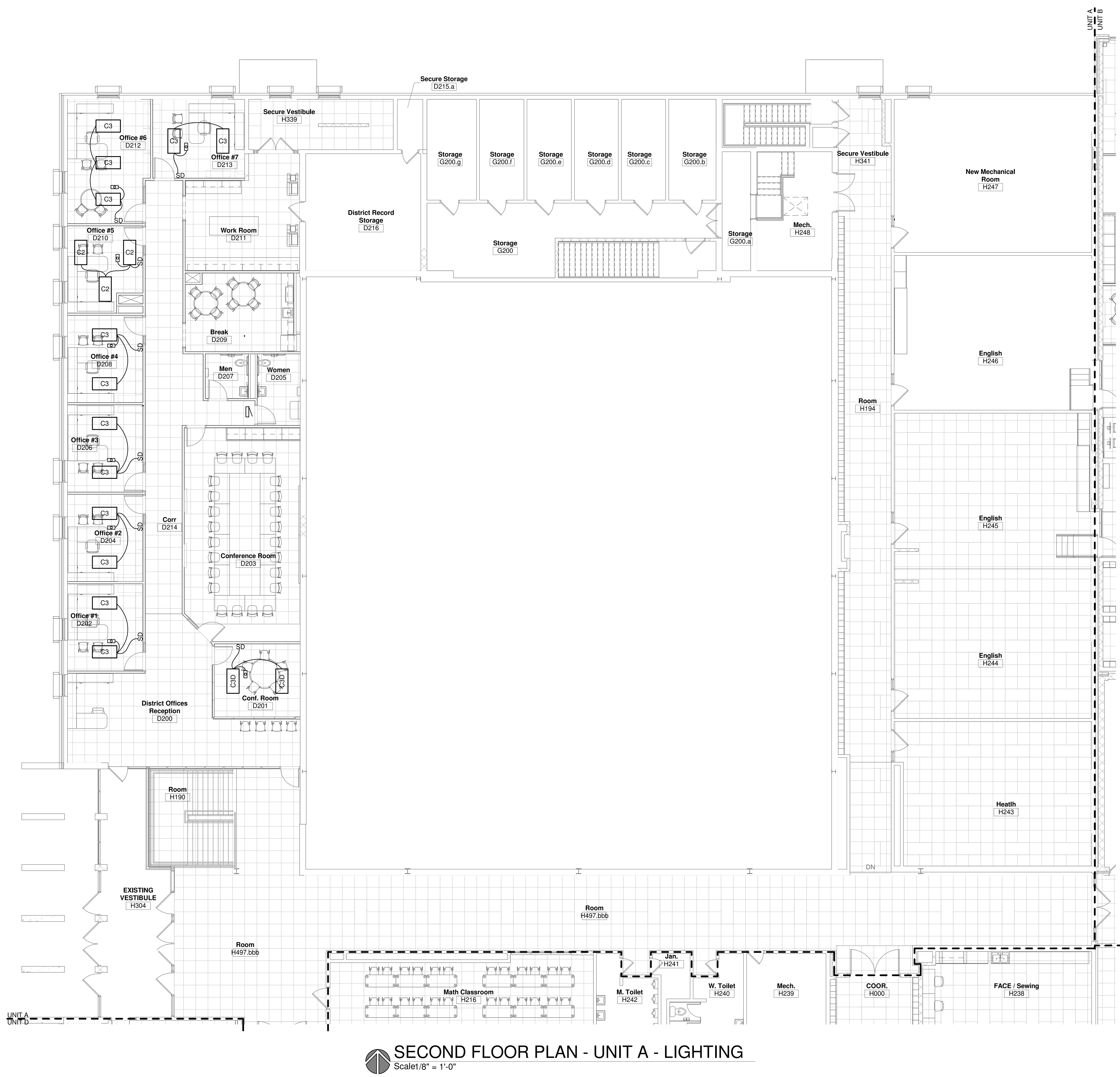
7. ALL , TO BE CIRCUITED TO LIGHTING IN ROOM PER NEC.
8. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF CEILING MOUNTED LIGHT FIXTURES.

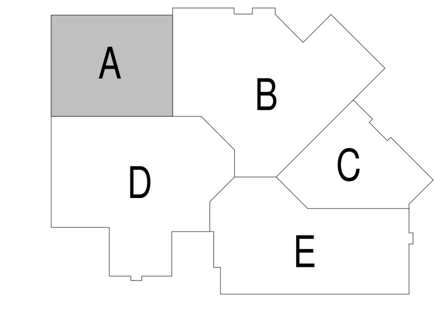
PLAN NOTES: (X)

1. XXXX.



SECOND FLOOR PLAN - UNIT A - LIGHTING

Scale1/8" = 1'-0"



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1402 Freedom Rd Little Chute, WI 54140

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Project Number:
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Sheet Title:
SECOND FLOOR PLAN - UNIT A - LIGHTING

Sheet Number:
E1.3AL

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GENERAL NOTES:

1. PROVIDE EXTERIOR RECEPTACLES PER DETAIL .
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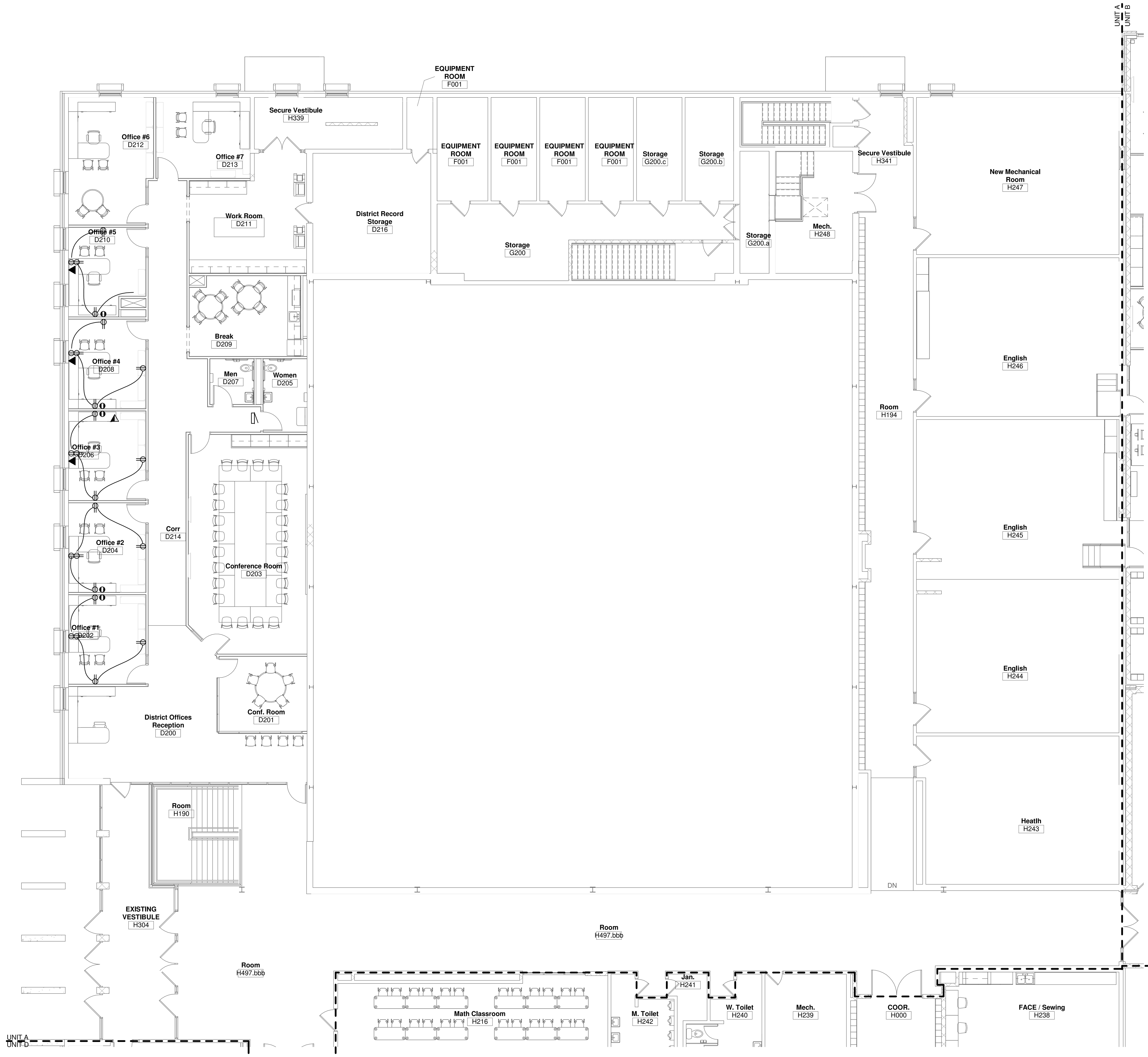
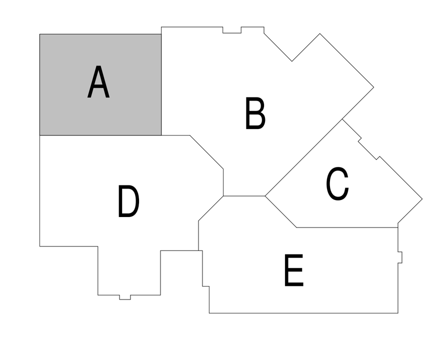
PLAN NOTES: (X)

1. XXXX.



SECOND FLOOR PLAN - UNIT A - POWER

Scale1/8" = 1'-0"



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Sheet Title:
SECOND FLOOR PLAN - UNIT A - POWER

Sheet Number:
E1.3AP

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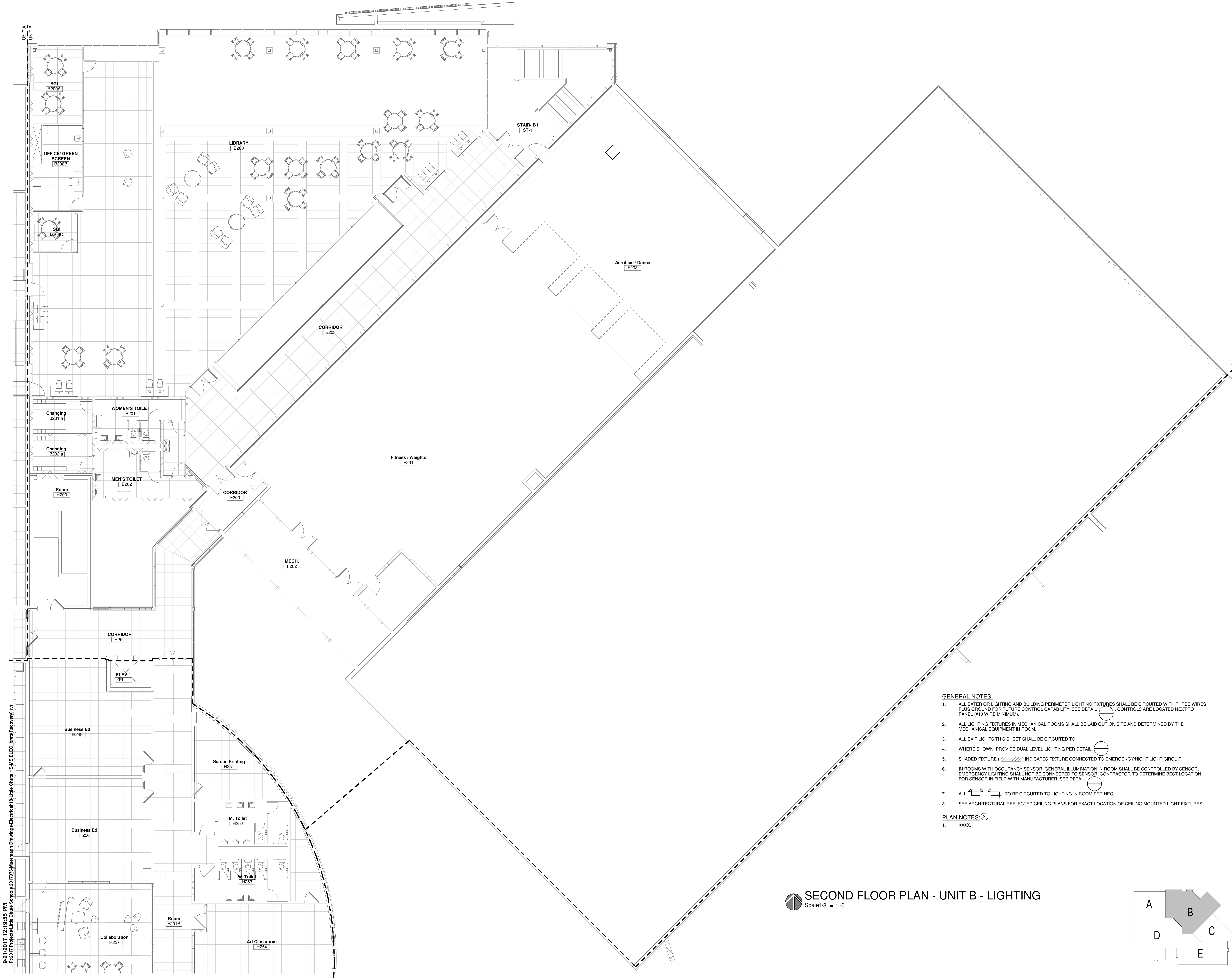

GENERAL NOTES:

1. ALL EXTERIOR LIGHTING AND BUILDING PERIMETER LIGHTING FIXTURES SHALL BE CIRCUITED WITH THREE WIRES PLUS GROUND FOR FUTURE CONTROL CAPABILITY. SEE DETAIL . CONTROLS ARE LOCATED NEXT TO PANEL (#10 WIRE MINIMUM).
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7. ALL , TO BE CIRCUITED TO LIGHTING IN ROOM PER NEC.
8. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF CEILING MOUNTED LIGHT FIXTURES.

PLAN NOTES: X

1. XXXX.

SECOND FLOOR PLAN - UNIT B - LIGHTING

Scale1/8" = 1'-0"

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Sheet Title:
SECOND FLOOR PLAN - UNIT B - LIGHTING

Sheet Number:
E1.3BL

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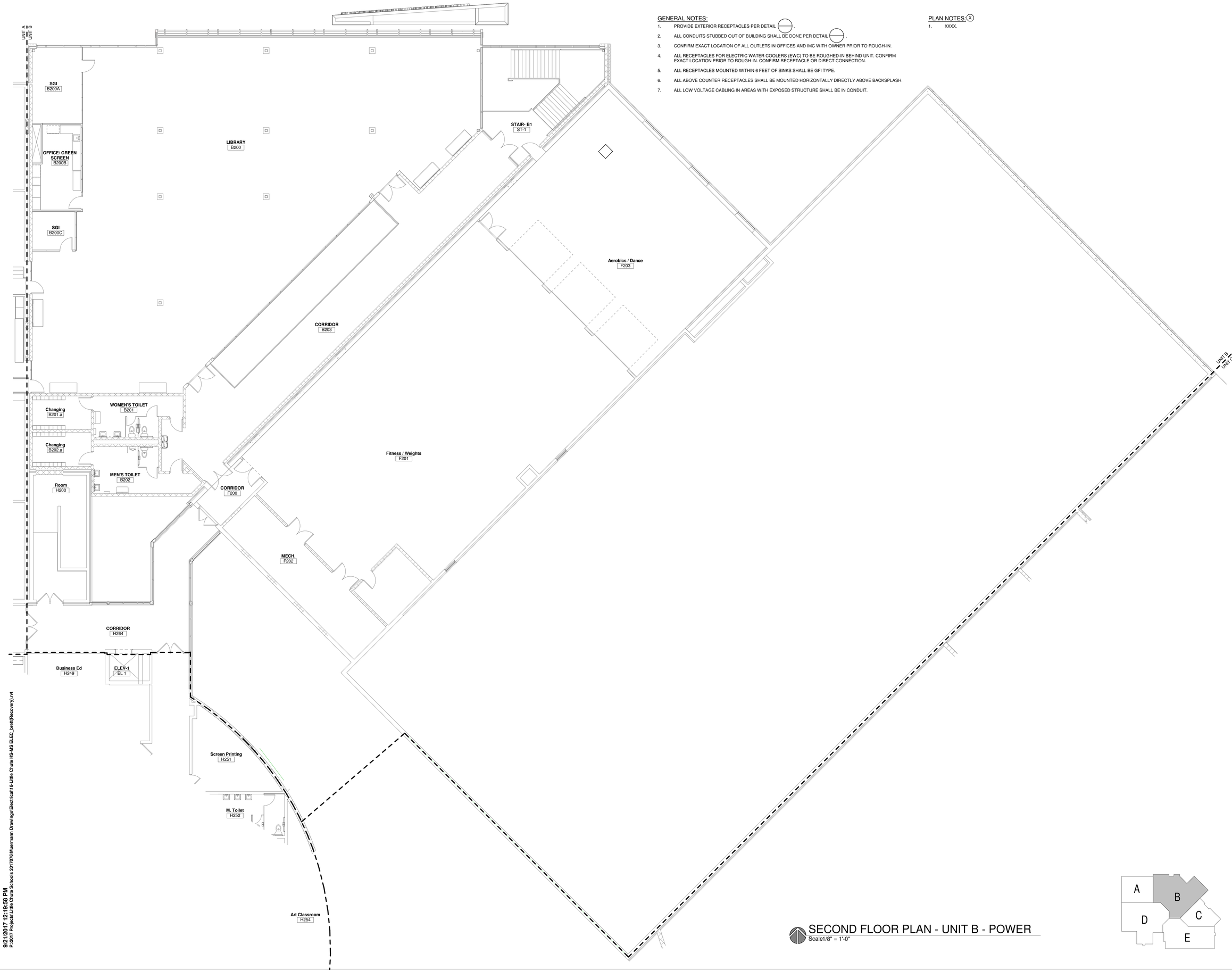

GENERAL NOTES:

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PLAN NOTES: (X)

1. XXXX.

SECOND FLOOR PLAN - UNIT B - POWER

Scale1/8" = 1'-0"

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Project Title:
ADDITION AND RENOVATION TO
LITTLE CHUTE HIGH/ MIDDLE/ INTERMEDIATE SCHOOL
Little Chute Area School District
1402 Freedom Rd Little Chute, WI 54140

REVISIONS:

#	DATE	DESCRIPTION

NOT FOR CONSTRUCTION

Project Number:
3294

Issued For:
PROGRESS SET

Sheet Title:
SECOND FLOOR PLAN - UNIT B - POWER

Sheet Number:
E1.3BP

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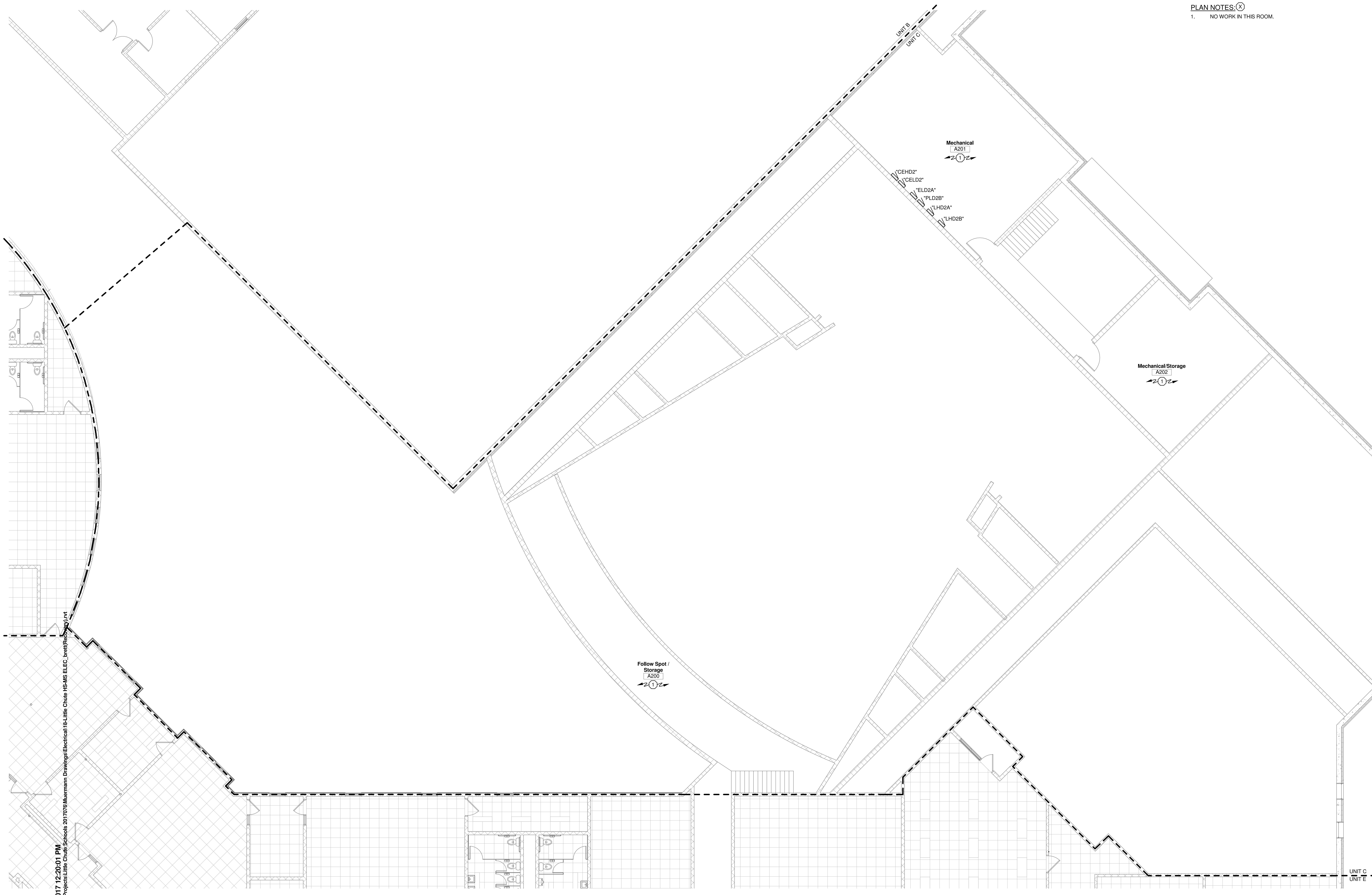

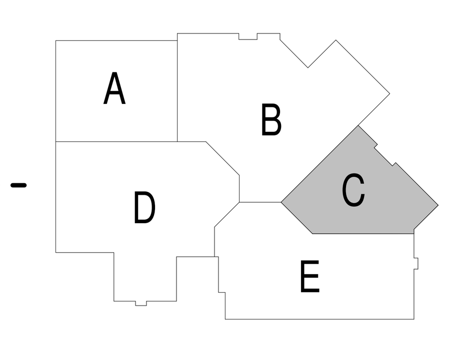

GENERAL NOTES:

1. ALL LIGHTING FIXTURES IN MECHANICAL ROOMS SHALL BE LAID OUT ON SITE AND DETERMINED BY THE MECHANICAL EQUIPMENT IN ROOM.
2. ALL EXIT LIGHTS THIS SHEET SHALL BE CIRCUITED TO AREA EXIT LIGHT CIRCUIT.
3. SHADED FIXTURE ( ) INDICATES FIXTURE CONNECTED TO EMERGENCY LIGHT CIRCUIT.
4. IN ROOMS WITH OCCUPANCY SENSOR, GENERAL ILLUMINATION IN ROOM SHALL BE CONTROLLED BY SENSOR. EMERGENCY LIGHTING SHALL NOT BE CONNECTED TO SENSOR. CONTRACTOR TO DETERMINE BEST LOCATION FOR SENSOR IN FIELD WITH MANUFACTURER. SEE DETAIL - / --- .
5. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF CEILING MOUNTED LIGHT FIXTURES.
6. PROVIDE EXTERIOR RECEPTACLES PER DETAIL 10 / E4.0 .
7. ALL CONDUITS STUBBED OUT OF BUILDING SHALL BE DONE PER DETAIL .
8. CONFIRM EXACT LOCATION OF ALL OUTLETS IN OFFICES AND IMC WITH OWNER PRIOR TO ROUGH-IN.
9. ALL RECEPTACLES FOR ELECTRIC WATER COOLERS (EWC) TO BE ROUGHED-IN BEHIND UNIT. CONFIRM EXACT LOCATION PRIOR TO ROUGH-IN. CONFIRM RECEPTACLE OR DIRECT CONNECTION.
10. ALL RECEPTACLES MOUNTED WITHIN 6 FEET OF SINKS SHALL BE GFI TYPE.
11. ALL LOW VOLTAGE CABLING IN AREAS WITH EXPOSED STRUCTURE SHALL BE IN CONDUIT.

PLAN NOTES: (X)

1. NO WORK IN THIS ROOM.

SECOND FLOOR PLAN - UNIT C - ELECTRICAL

Scale1/8" = 1'-0"

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Little Chute Area School District
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Sheet Title:
SECOND FLOOR PLAN - UNIT C - ELECTRICAL

Sheet Number:
E1.3C

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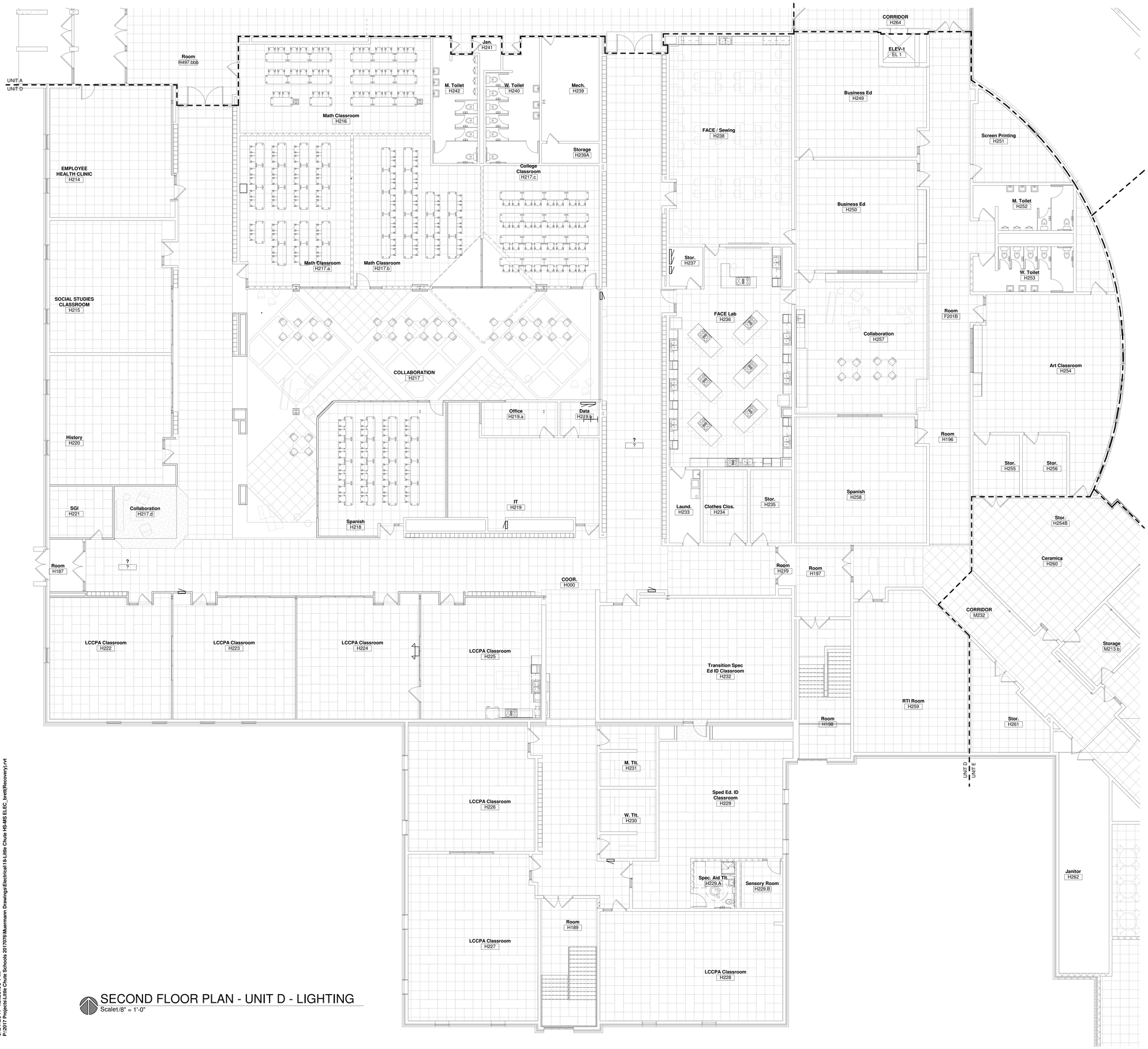


SECOND FLOOR PLAN - UNIT D - LIGHTING

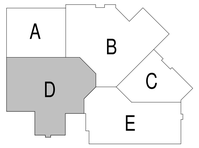
Scale1/8" = 1'-0"

GENERAL NOTES:

1. XXXX.

PLAN NOTES: (X)

1. XXXX.



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Little Chute Area School District
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Sheet Title:
SECOND FLOOR PLAN - UNIT D - LIGHTING

Sheet Number:
E1.3DL

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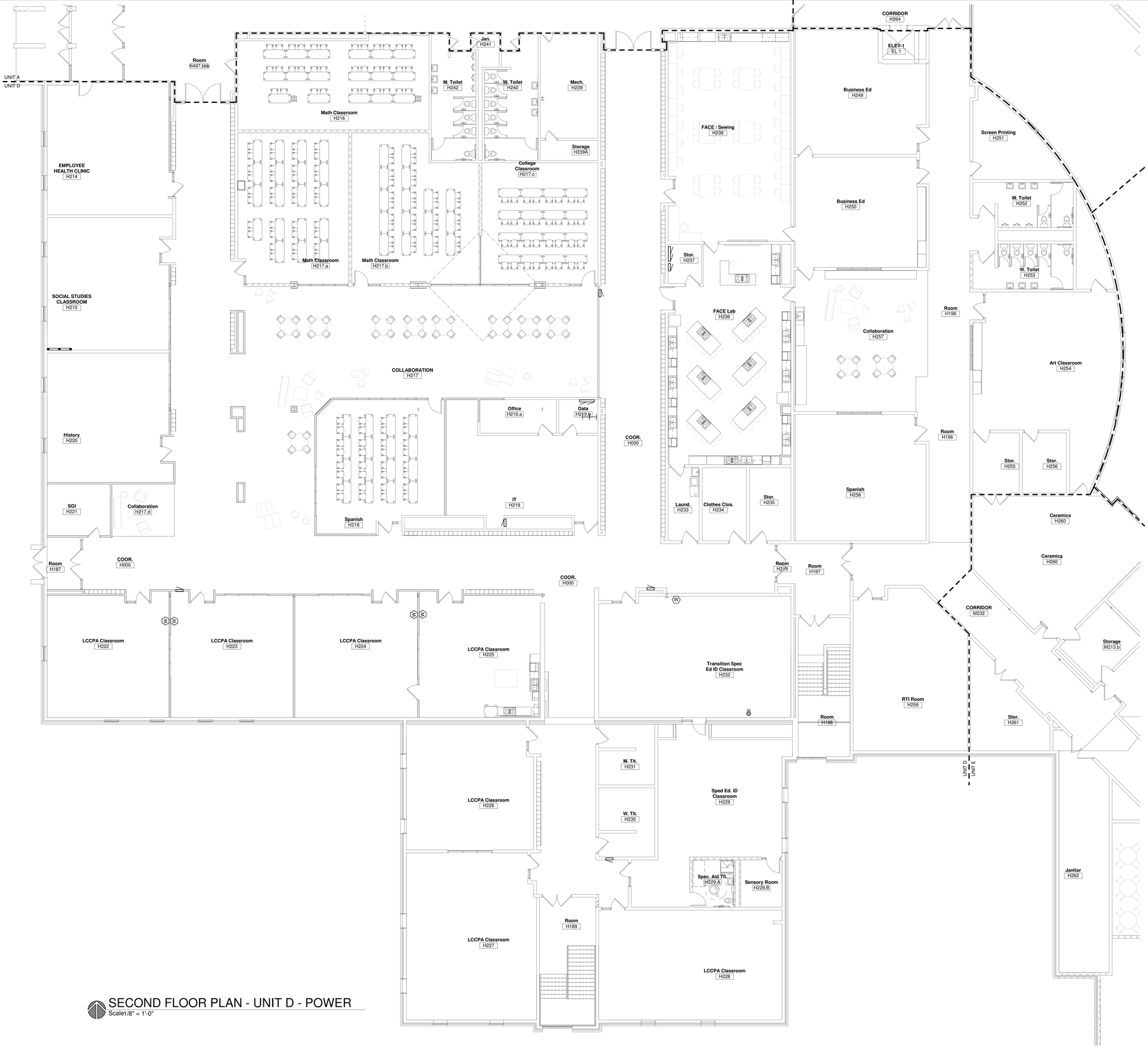


SECOND FLOOR PLAN - UNIT D - POWER

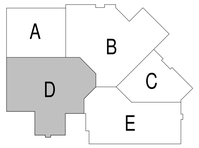
Scale1/8" = 1'-0"

GENERAL NOTES:

1. XXXX.

PLAN NOTES:(X)

1. XXXX.



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Sheet Title:
SECOND FLOOR PLAN - UNIT D - POWER

Sheet Number:
E1.3DP

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GENERAL NOTES:

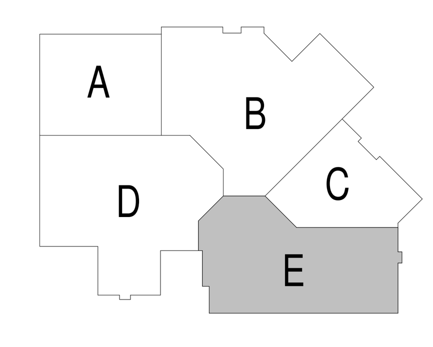
1. ALL EXTERIOR LIGHTING AND BUILDING PERIMETER LIGHTING FIXTURES SHALL BE CIRCUITED WITH THREE WIRES PLUS GROUND FOR FUTURE CONTROL CAPABILITY. SEE DETAIL . CONTROLS ARE LOCATED NEXT TO PANEL (#10 WIRE MINIMUM).
2. ALL LIGHTING FIXTURES IN MECHANICAL ROOMS SHALL BE LAID OUT ON SITE AND DETERMINED BY THE MECHANICAL EQUIPMENT IN ROOM.
3. ALL EXIT LIGHTS THIS SHEET SHALL BE CIRCUITED TO
4. WHERE SHOWN, PROVIDE DUAL LEVEL LIGHTING PER DETAIL .
5. SHADED FIXTURE ( ) INDICATES FIXTURE CONNECTED TO EMERGENCY/NIGHT LIGHT CIRCUIT.
6. IN ROOMS WITH OCCUPANCY SENSOR, GENERAL ILLUMINATION IN ROOM SHALL BE CONTROLLED BY SENSOR. EMERGENCY LIGHTING SHALL NOT BE CONNECTED TO SENSOR. CONTRACTOR TO DETERMINE BEST LOCATION FOR SENSOR IN FIELD WITH MANUFACTURER. SEE DETAIL .
7. ALL , TO BE CIRCUITED TO LIGHTING IN ROOM PER NEC.
8. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF CEILING MOUNTED LIGHT FIXTURES.

PLAN NOTES: (X)

1. XXXX.

SECOND FLOOR PLAN - UNIT E - LIGHTING

Scale1/8" = 1'-0"



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Sheet Title:
SECOND FLOOR PLAN - UNIT E - LIGHTING

Sheet Number:
E1.3EL

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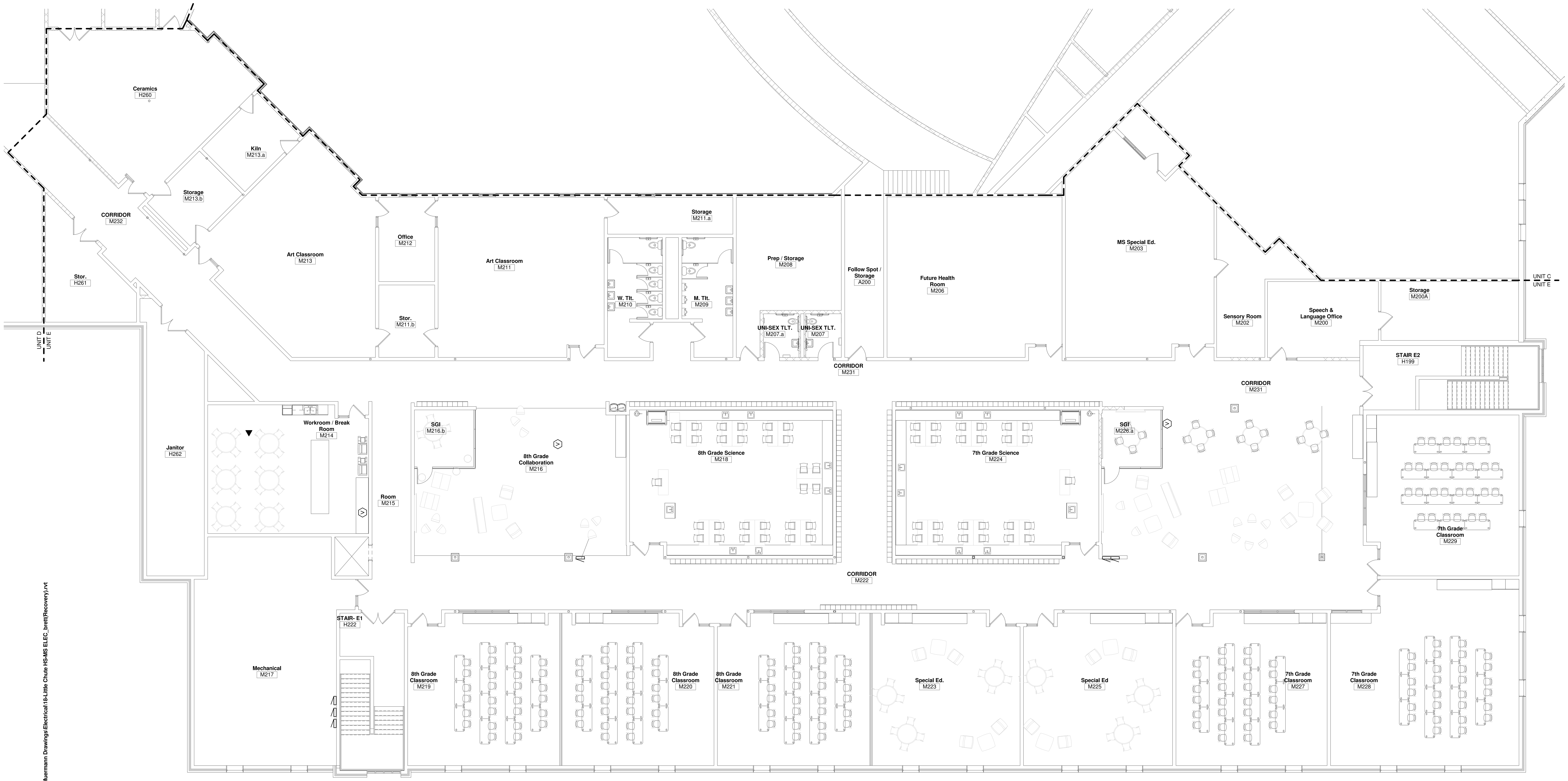
GENERAL NOTES:

1. PROVIDE EXTERIOR RECEPTACLES PER DETAIL .
2. ALL CONDUITS STUBBED OUT OF BUILDING SHALL BE DONE PER DETAIL .
3. CONFIRM EXACT LOCATION OF ALL OUTLETS IN OFFICES AND IMC WITH OWNER PRIOR TO ROUGH-IN.
4. ALL RECEPTACLES FOR ELECTRIC WATER COOLERS (EWC) TO BE ROUGHED-IN BEHIND UNIT. CONFIRM EXACT LOCATION PRIOR TO ROUGH-IN. CONFIRM RECEPTACLE OR DIRECT CONNECTION.
5. ALL RECEPTACLES MOUNTED WITHIN 6 FEET OF SINKS SHALL BE GFI TYPE.
6. ALL ABOVE COUNTER RECEPTACLES SHALL BE MOUNTED HORIZONTALLY DIRECTLY ABOVE BACKSPLASH.
7. ALL LOW VOLTAGE CABLING IN AREAS WITH EXPOSED STRUCTURE SHALL BE IN CONDUIT.

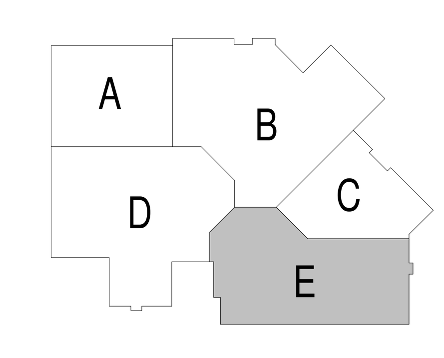
PLAN NOTES: (X)

1. XXXX.



SECOND FLOOR PLAN - UNIT E - POWER

Scale1/8" = 1'-0"



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1402 Freedom Rd Little Chute, WI 54140

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SECOND FLOOR PLAN - UNIT E - POWER

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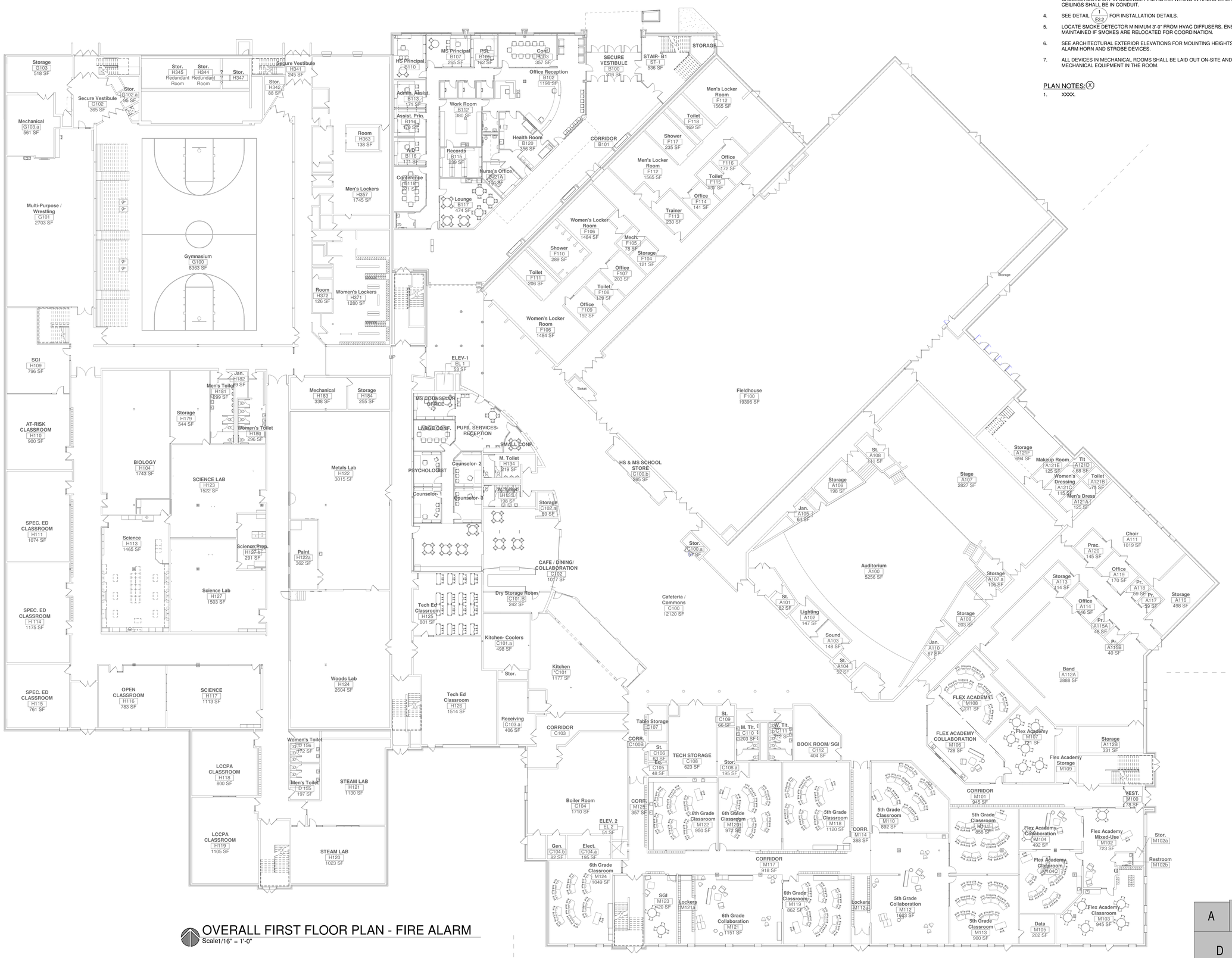
GENERAL NOTES:

1. SEE POWER PLANS FOR FIRE ALARM CONTROL PANEL AND POWER SUPPLY CIRCUITS.
2. ALL DEVICES SHOWN THIS SHEET ARE APPROXIMATE LOCATIONS. VERIFY EXACT LOCATIONS ON SITE TO ACCOMMODATE FURNITURE, LIGHT FIXTURES, ETC. ENSURE STROBE COVERAGE REQUIRED BY NFPA 72 IS MAINTAINED IF STROBES ARE RELOCATED FOR COORDINATION.
3. ALL FIRE ALARM CABLING SHALL BE SUPPORTED SEPARATELY FROM OTHER LOW VOLTAGE CABLING ABOVE LAY-IN CEILINGS. FIRE ALARM WIRING IN AREAS WHERE THERE IS NO LAY-IN CEILINGS SHALL BE IN CONDUIT.
4. SEE DETAIL 1/E2.2 FOR INSTALLATION DETAILS.
5. LOCATE SMOKE DETECTOR MINIMUM 3'-0" FROM HVAC DIFFUSERS. ENSURE COVERAGE IS MAINTAINED IF SMOKES ARE RELOCATED FOR COORDINATION.
6. SEE ARCHITECTURAL EXTERIOR ELEVATIONS FOR MOUNTING HEIGHTS OF EXTERIOR FIRE ALARM HORN AND STROBE DEVICES.
7. ALL DEVICES IN MECHANICAL ROOMS SHALL BE LAID OUT ON-SITE AND DETERMINED BY THE MECHANICAL EQUIPMENT IN THE ROOM.

PLAN NOTES: X

1. XXXX.



OVERALL FIRST FLOOR PLAN - FIRE ALARM

Scale1/16" = 1'-0"

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REVISIONS:

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Sheet Title: OVERALL FIRST FLOOR PLAN - FIRE ALARM

Sheet Number: E2.0

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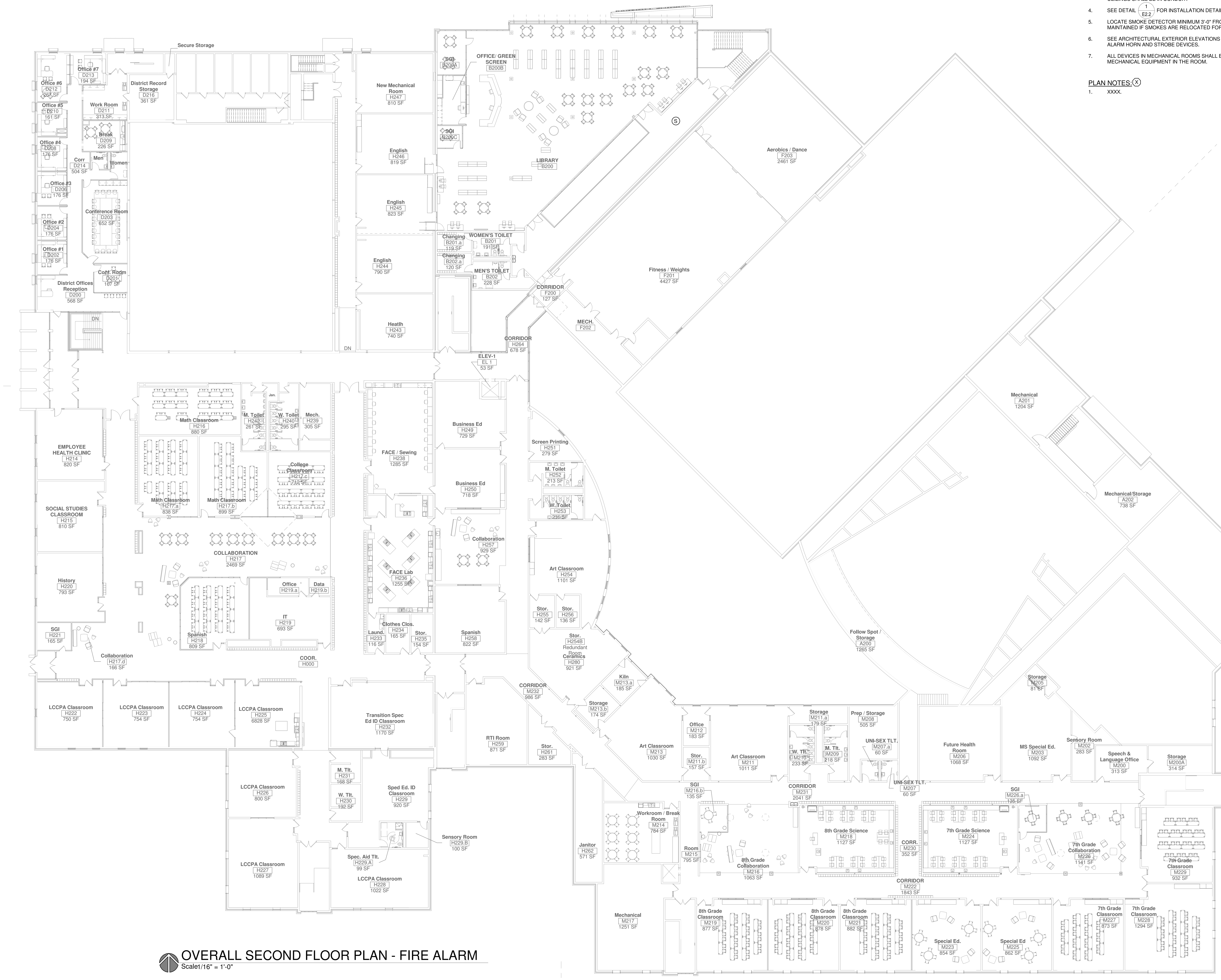
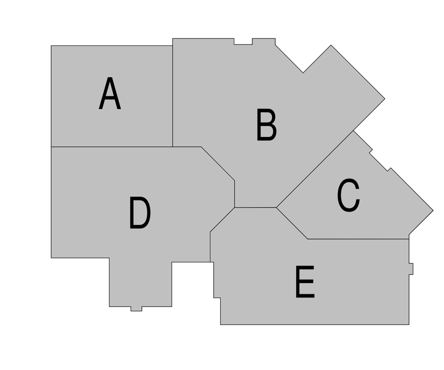


OVERALL SECOND FLOOR PLAN - FIRE ALARM
Scale1/16" = 1'-0"



GENERAL NOTES:

1. SEE POWER PLANS FOR FIRE ALARM CONTROL PANEL AND POWER SUPPLY CIRCUITS.
2. ALL DEVICES SHOWN THIS SHEET ARE APPROXIMATE LOCATIONS. VERIFY EXACT LOCATIONS ON SITE TO ACCOMMODATE FURNITURE, LIGHT FIXTURES, ETC. ENSURE STROBE COVERAGE REQUIRED BY NFPA 72 IS MAINTAINED IF STROBES ARE RELOCATED FOR COORDINATION.
3. ALL FIRE ALARM CABLING SHALL BE SUPPORTED SEPARATELY FROM OTHER LOW VOLTAGE CABLING ABOVE LAY-IN CEILINGS. FIRE ALARM WIRING IN AREAS WHERE THERE IS NO LAY-IN CEILINGS SHALL BE IN CONDUIT.
4. SEE DETAIL 1/E2.2 FOR INSTALLATION DETAILS.
5. LOCATE SMOKE DETECTOR MINIMUM 3'-0" FROM HVAC DIFFUSERS. ENSURE COVERAGE IS MAINTAINED IF SMOKES ARE RELOCATED FOR COORDINATION.
6. SEE ARCHITECTURAL EXTERIOR ELEVATIONS FOR MOUNTING HEIGHTS OF EXTERIOR FIRE ALARM HORN AND STROBE DEVICES.
7. ALL DEVICES IN MECHANICAL ROOMS SHALL BE LAID OUT ON-SITE AND DETERMINED BY THE MECHANICAL EQUIPMENT IN THE ROOM.

PLAN NOTES: (X)

1. XXXX.

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Project Title:
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1402 Freedom Rd Little Chute, WI 54140

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Project Number:
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Sheet Title:
OVERALL SECOND FLOOR PLAN - FIRE ALARM

Sheet Number:
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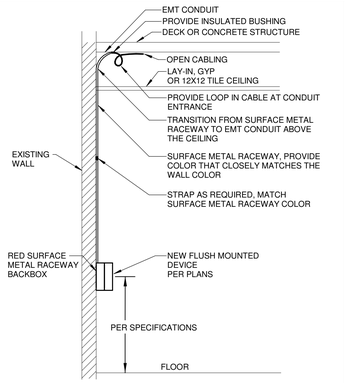
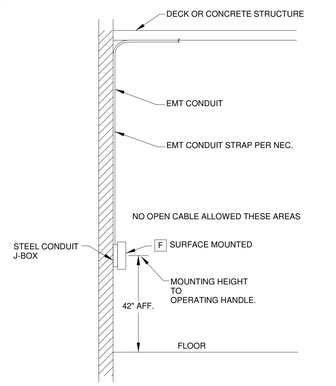


DETAIL ILLUSTRATING NEW SURFACE MOUNTED WALL DEVICE IN EXISTING FACILITIES
NTS



DETAIL ILLUSTRATING NEW SURFACE MOUNTED F IN MECHANICAL SPACES
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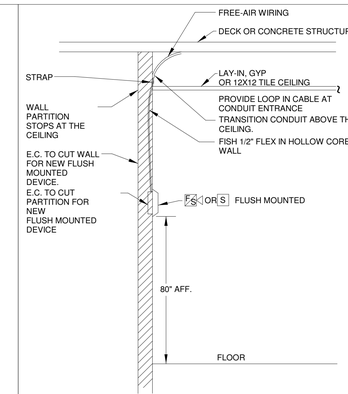

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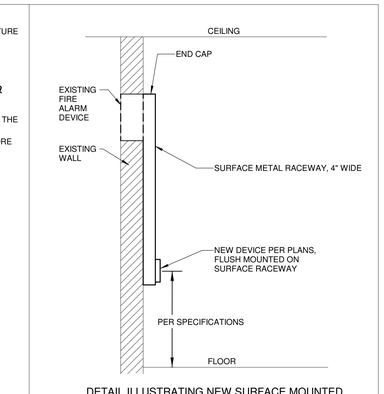

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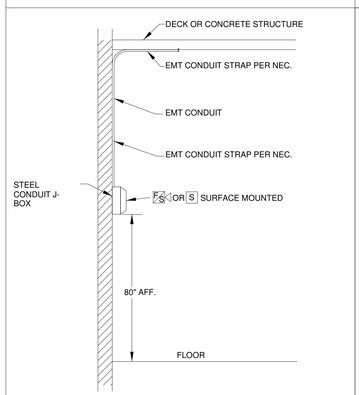

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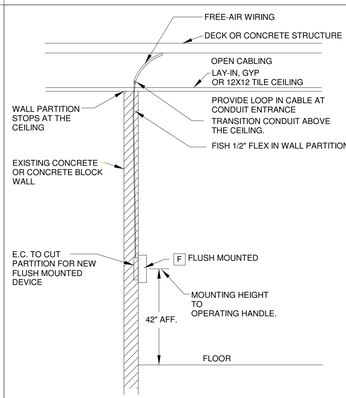
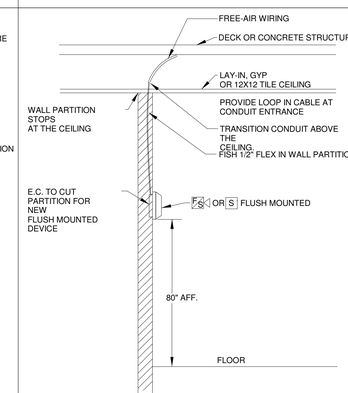
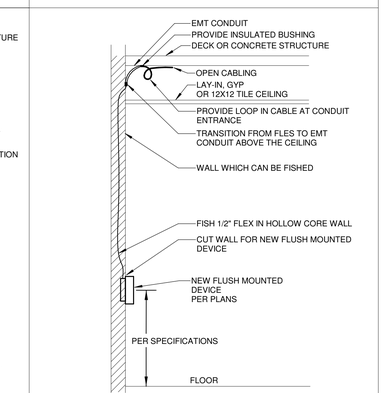


DETAIL ILLUSTRATING NEW FLUSH MOUNTED IN PARTITION F WALLS
NTS



DETAIL ILLUSTRATING NEW FLUSH MOUNTED F S OR S IN PARTITION WALLS
NTS



DETAIL ILLUSTRATING NEW FLUSH MOUNTED WALL DEVICE IN EXISTING FACILITIES
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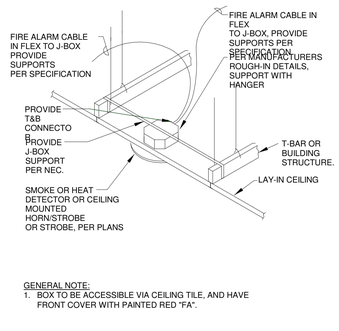
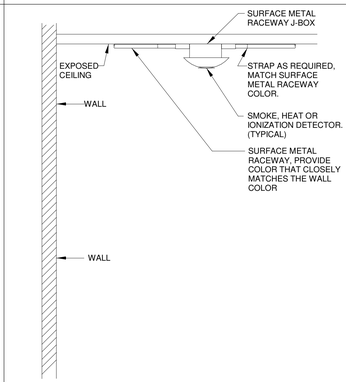
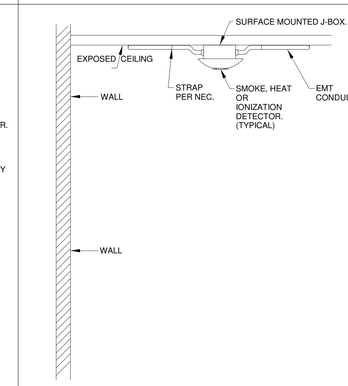


GENERAL NOTE:
1. BOX TO BE ACCESSIBLE VIA CEILING TILE, AND HAVE FRONT COVER WITH PAINTED RED "FA".

DETAIL ILLUSTRATING NEW FLUSH MOUNTED CEILING DEVICE, IN LAY-IN CEILING
NTS



DETAIL ILLUSTRATING NEW SURFACE MOUNTED H OR S IN FINISHED AREAS
NTS



DETAIL ILLUSTRATING NEW SURFACE MOUNTED H OR S IN UNFINISHED AREAS
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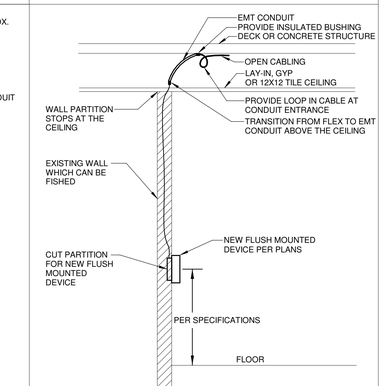

DETAIL ILLUSTRATING NEW WALL MOUNTED DEVICE IN EXISTING PARTITION WALLS
NTS

1
E2.2
FIRE ALARM DEVICE INSTALLATION DETAIL
SCALE: NTS

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Project Title:
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LITTLE CHUTE HIGH/ MIDDLE/ INTERMEDIATE SCHOOL
Little Chute Area School District
1402 Freedom Rd Little Chute, WI 54140

REVISIONS:

#	DATE	DESCRIPTION

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Project Number:
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PROGRESS SET

Sheet Title:
FIRE ALARM DETAILS

Sheet Number:
E2.2

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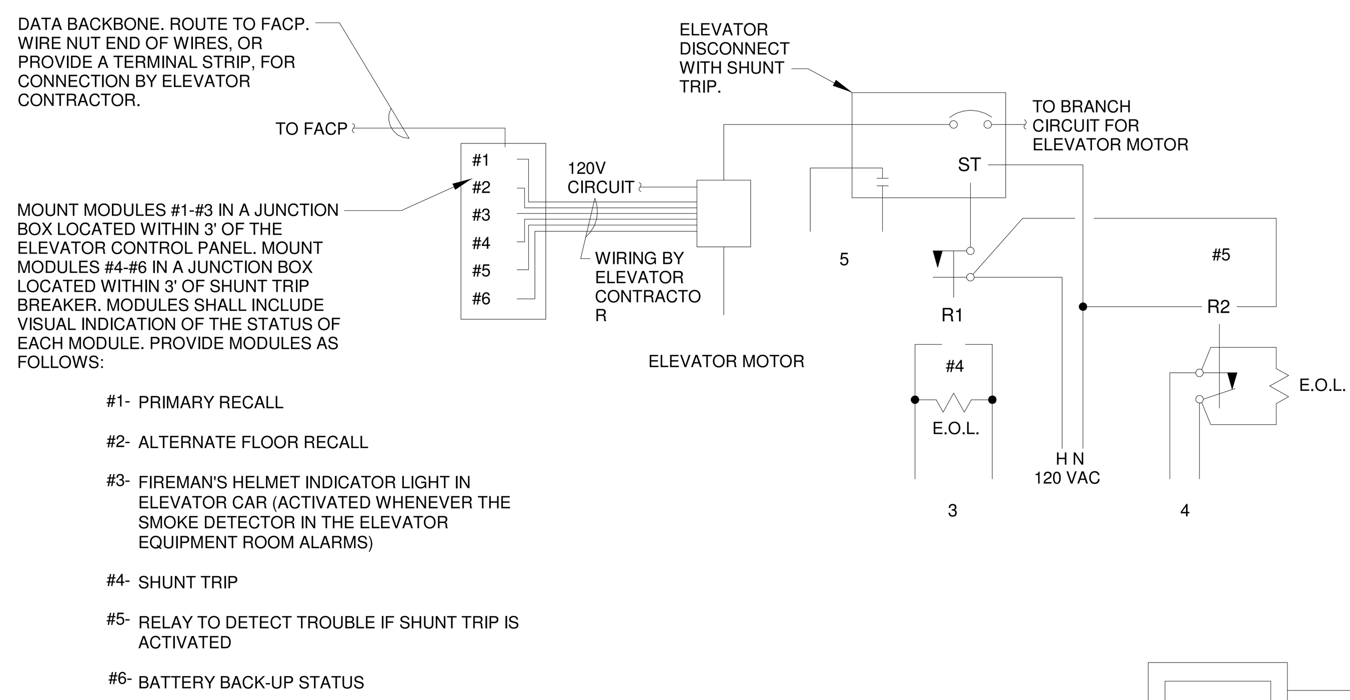
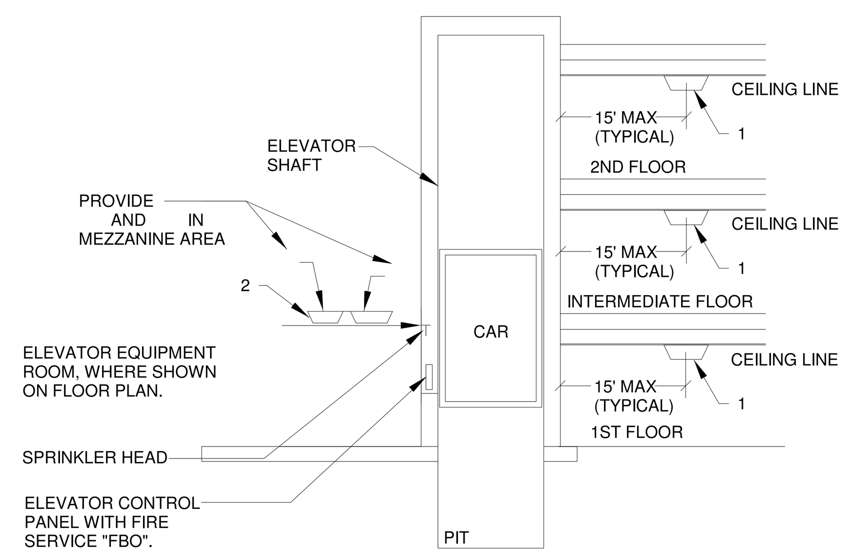


GENERAL NOTES:

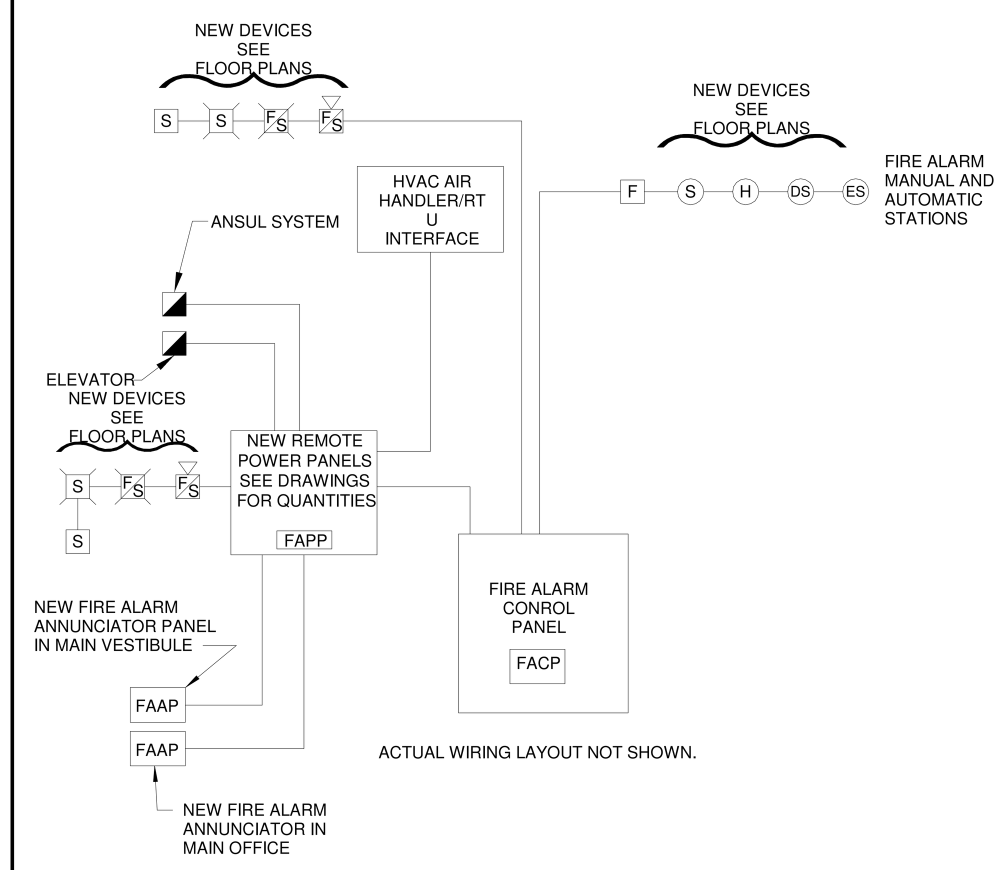
1. SHALL BE CONNECTED TO FACP.
2. SHALL BE CONNECTED TO FACP.
3. RELAYS SHOWN IN DE-ENERGIZED STATE.

PLAN NOTES: X

1. LOBBY SMOKE DETECTOR QUANTITY AS SHOWN ON FLOOR PLANS.
2. SHALL BE LOCATED WITHIN 2' OF THE SPRINKLER HEAD.
3. SUPERVISED ELEVATOR CONTROL CIRCUIT FROM FACP TRIPS THE BREAKER ON DETECTION OF HEAT AT TOP OF SHAFT AND IN ELEVATOR EQUIPMENT ROOM.
4. TO INITIATING DEVICE CIRCUIT THAT IS PROGRAMMED AS SUPERVISORY. SUPERVISES "POWER AVAILABLE" TO SHUNT TRIP.
5. AUXILIARY CONTACT TO ELEVATOR BATTERY LOWERING CONTROL. COORDINATE WITH ELEVATOR EQUIPMENT SUPPLIER. SEE ELEVATOR RISER DETAIL.



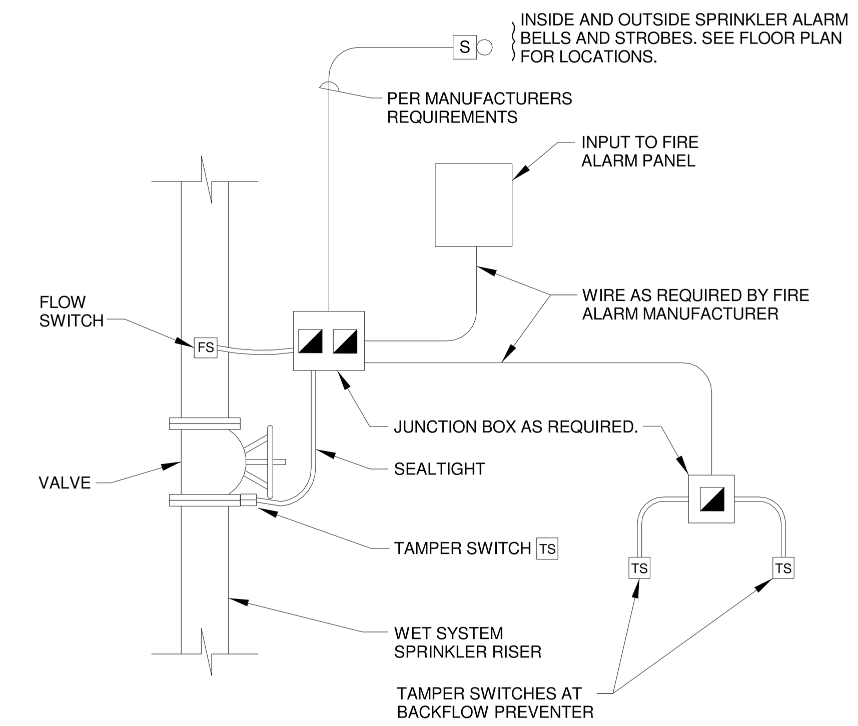
5 / E2.3 ELEVATOR SMOKE/HEAT DETECTOR DETAIL
SCALE: NTS



NOTES:

1. THIS IS A GENERAL RISER. NOT ALL COMPONENTS ARE INDICATED. SEE FLOOR PLANS.
2. ALL SYSTEMS INDICATED MAY NOT BE REQUIRED ON THIS PROJECT.
3. CABLE TYPES AND SIZES PER MANUFACTURER.
4. RISER DENOTES SYSTEMS CONNECTED TO FIRE ALARM PANEL. DOES NOT INDICATE ACTUAL WIRING.

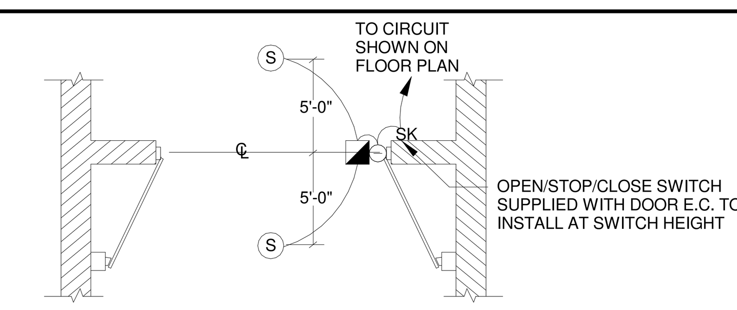
2 / E2.3 FIRE ALARM SYSTEM RISER
SCALE: NTS



NOTES:

1. SEE FLOOR PLANS FOR ACTUAL NUMBER OF FLOW SWITCHES AND TAMPER SWITCHES. PROVIDE QUANTITY OF MODULES AS REQUIRED.
2. MOUNT MODULES WITH-IN 3'-0".

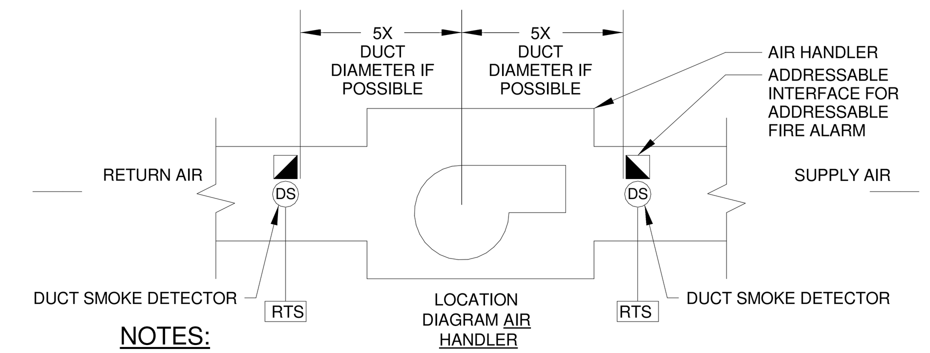
1 / E2.3 SPRINKLER VALVE DIAGRAM
SCALE: NTS



NOTES:

1. DOUBLE DOOR SHOWN, SINGLE DOORS SIMILAR, EXCEPT ONLY ONE MAGNETIC DOOR HOLDER.
2. PROVIDE ALL FLUSH MOUNTED OUTLET BOXES WHERE WALL IS NEW OR WALL IS HOLLOW AND CAN BE FISHED.
3. CONNECT TO FIRE ALARM SYSTEM.
4. IF EXISTING WALL CAN NOT BE FISHED, PROVIDE SURFACE METAL RACEWAY FOR CABLING.
5. ALSO RELEASE MAGNETIC DOOR HOLDS THROUGH DOOR ACCESS SYSTEM.

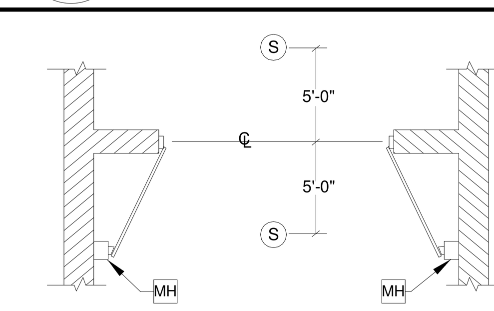
4 / E2.3 WON DOOR HOLD DETAIL - ADDRESSABLE FACP
SCALE: NTS



NOTES:

1. WIRE INTO HVAC CONTROL PANEL OR STARTER TO SHUT DOWN AIR HANDLER IN THE EVENT SMOKE IS DETECTED. PROVIDE WRITTEN STATEMENT TO ARCHITECT THAT THE SYSTEM WAS TESTED AND OPERATES CORRECTLY.
2. MOUNT REMOTE TEST STATION ON NEAREST WALL THAT PROVIDES ACCESS. IN INSTALLATIONS WHERE TWO OR MORE AHU'S ARE INSTALLED TOGETHER, MOUNT ALL TEST SWITCHES IN ONE AREA.
3. IF ONLY ONE DS IS SHOWN ON FLOOR PLANS, MOUNT ON RETURN SIDE OF AHU.

3 / E2.3 FIRE ALARM DUCT DETECTOR INSTALLATION
SCALE: NTS



NOTES:

1. DOUBLE DOOR SHOWN, SINGLE DOORS SIMILAR, EXCEPT ONLY ONE MAGNETIC DOOR HOLDER.
2. PROVIDE ALL FLUSH MOUNTED OUTLET BOXES WHERE WALL IS NEW OR WALL IS HOLLOW AND CAN BE FISHED.
3. CONNECT TO FIRE ALARM SYSTEM.
4. IF EXISTING WALL CAN NOT BE FISHED, PROVIDE SURFACE METAL RACEWAY FOR CABLING.

6 / E2.3 MAGNETIC DOOR HOLD DETAIL - ADDRESSABLE FACP
SCALE: NTS

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Sheet Title: FIRE ALARM DETAILS

Sheet Number: E2.3

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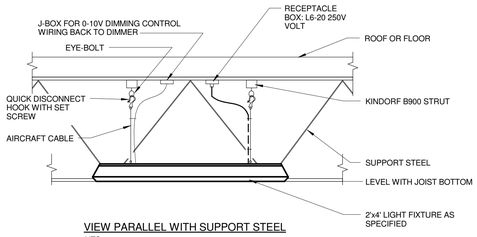
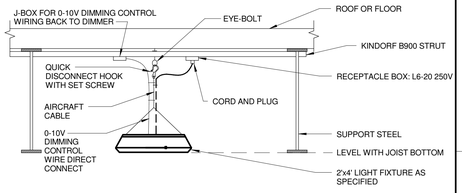


VIEW PARALLEL WITH SUPPORT STEEL

NTS



VIEW PERPENDICULAR WITH SUPPORT STEEL

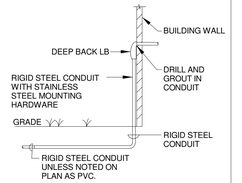
NTS

NOTES:

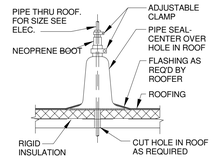
1. ELECTRICAL CONTRACTOR SHALL INSTALL STRUT & SUPPORTS AS REQUIRED PRIOR TO CEILING PAINTING.
2. RECEPTACLE SHOWN ARE TYPICAL, VERIFY EXACT PLUG CONFIGURATION WITH FIXTURE MANUFACTURER.
3. INSTALL A QUICK DISCONNECT SO LIGHT FIXTURE CAN BE REMOVED FROM THE SUPPORT EYE-BOLT.
4. COORDINATE HANGING PROCEDURES WITH THE MANUFACTURER RECOMMENDATIONS.

4 / E4.0 HIGH BAY FIXTURE MOUNTING DETAIL

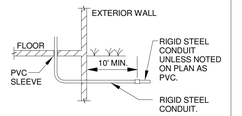
SCALE: NTS



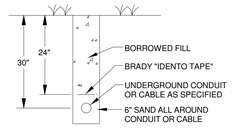
EXTERIOR CONDUIT INTO EXISTING SPACE



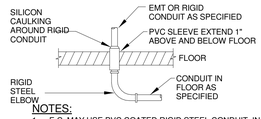
ROOF PENETRATION



EXTERIOR CONDUIT INTO NEW SPACE



UNDERGROUND CONDUIT/CABLE INSTALLATION



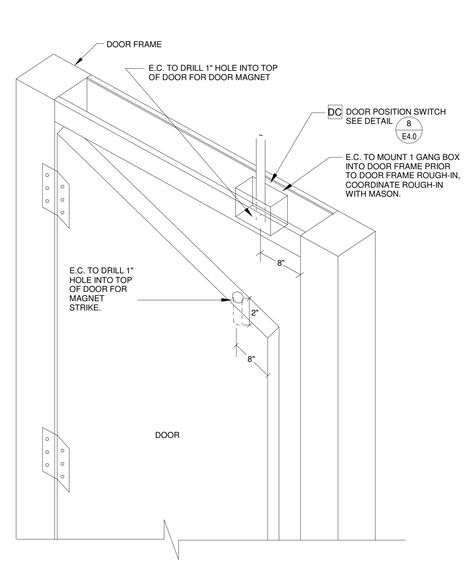
NOTES:

1. E.C. MAY USE PVC COATED RIGID STEEL CONDUIT IN LIEU OF RIGID CONDUIT AND PVC SLEEVE.
2. PVC SLEEVE TO BE AS SNUG AS POSSIBLE ON RIGID CONDUIT.

CONDUIT UNDER FLOOR PENETRATION

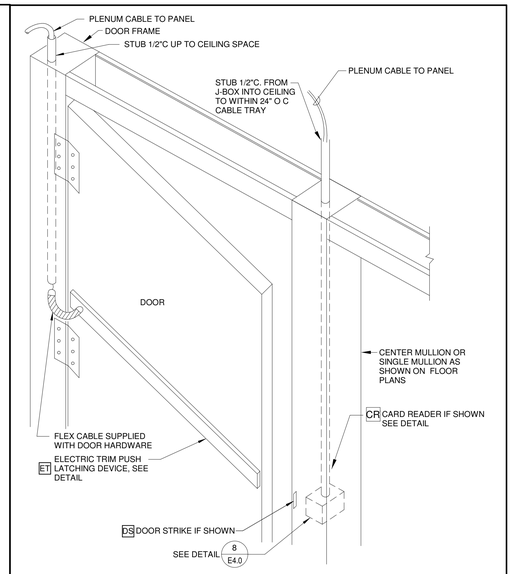
3 / E4.0 CONDUIT DETAILS

SCALE: NTS



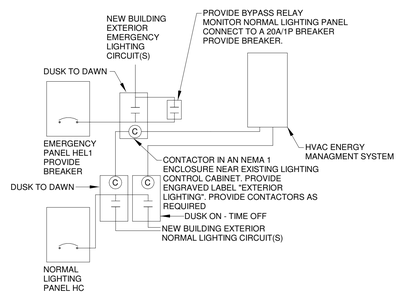
2 / E4.0 INTRUSION ALARM DOOR POSITION SWITCH

SCALE: NTS



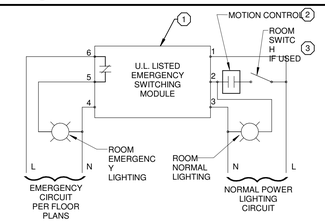
1 / E4.0 DOOR STRIKE, ELECTRIC LATCH AND CARD READER MOUNTING DETAIL

SCALE: NTS

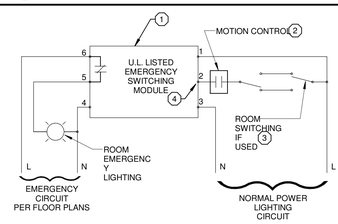


7 / E4.0 EXTERIOR LIGHTING CONTROL

SCALE: NTS

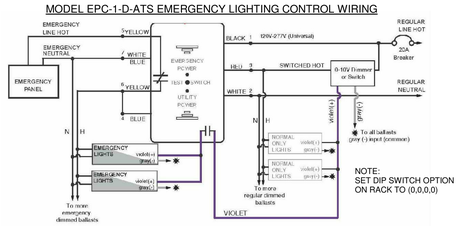


A CONTROL OF EMERGENCY AND NORMAL LIGHTING WITH SAME SWITCH AND/OR MOTION DETECTOR



B CONTROL OF EMERGENCY LIGHTING WITH SWITCH AND/OR MOTION DETECTOR OR EMERGENCY LIGHTING TO OPERATE ONLY UPON LOSS OF NORMAL POWER

MODEL EPC-1-D-ATS EMERGENCY LIGHTING CONTROL WIRING



NOTE:
SET DIP SWITCH OPTION ON RACK TO (0,0,0,0)

NOTE: Normal only lights are optional.

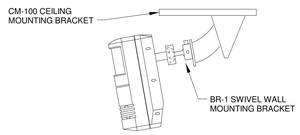
C CONTROL OF EMERGENCY LIGHTING WITH 0-10V CONTROLS

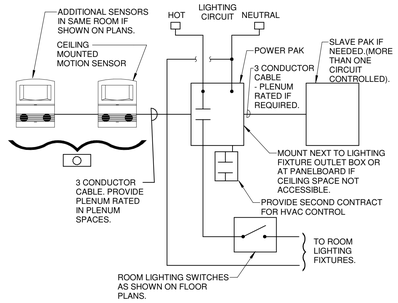
PLAN NOTES: (X)

1. MOUNT IN NEMA 1 VENTED ENCLOSURE, 200% LARGER THAN MODULE(S). MOUNT ADJACENT TO EMERGENCY PANEL. PROVIDE ENGRAVED LABEL ON ENCLOSURE INDICATING FUNCTION IE: "EMERGENCY BYPASS RELAY XXXXXXXX LIGHTING".
2. POWER SUPPLY FOR MOTION DETECTOR ON NORMAL CIRCUIT. DELETE WHEN NOT SHOWN ON DRAWING.
3. SINGLE POLE 3-WAY AND 4-WAY SWITCHES. IF SHOWN ON PLANS.
4. CAP NORMAL SWITCH SENSE LINE WHERE EMERGENCY LIGHTING TO OPERATE ONLY UPON LOSS OF NORMAL POWER.

6 / E4.0 EMERGENCY BYPASS RELAY

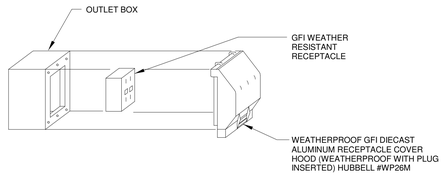
SCALE: NTS





5 / E4.0 MOTION SENSOR LIGHTING CONTROL

SCALE: NTS

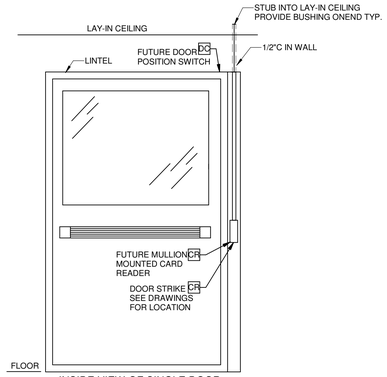


NOTE:
FOR ALL NEW CONSTRUCTION BOX IS TO BE FLUSH MOUNTED.

OUTLET BOX:
FLUSH: 3 1/2" DEEP 1-GANG MASONRY BOX SURFACE: F.S. BOX

10 / E4.0 WP/GFI RECEPTACLE MOUNTING DETAIL

SCALE: NTS



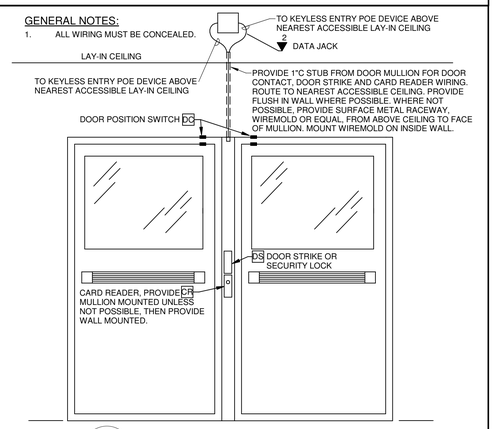
INSIDE VIEW OF SINGLE DOOR

9 / E4.0 FUTURE DOOR STRIKE DETAIL

SCALE: NTS

GENERAL NOTES:

1. ALL WIRING MUST BE CONCEALED.



8 / E4.0 DOOR STRIKE AND KEYLESS ENTRY ROUGH-IN

SCALE: NTS

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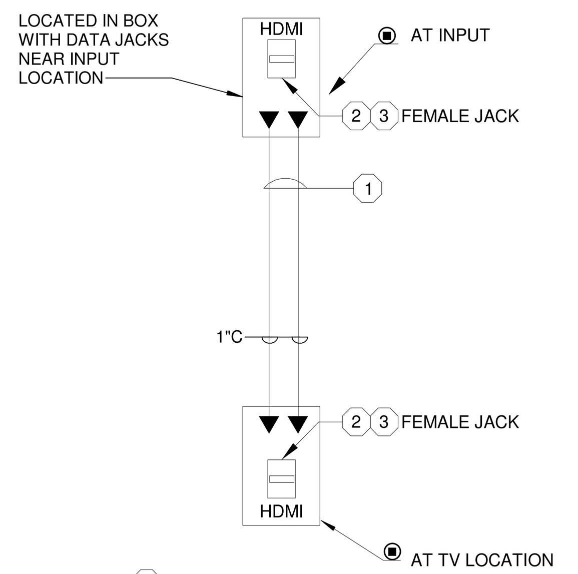
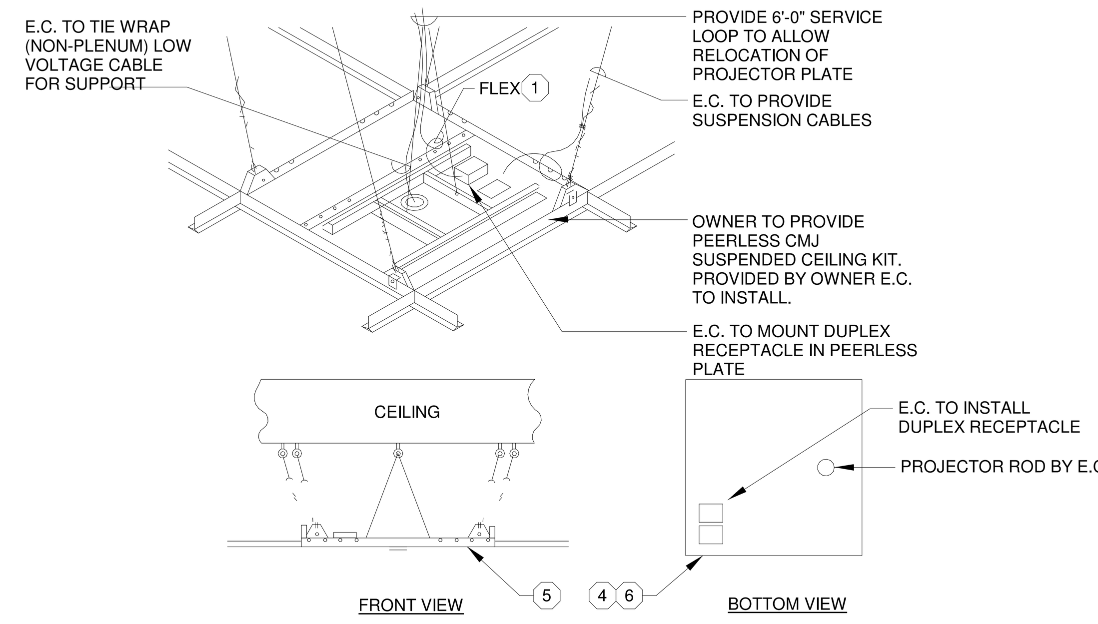
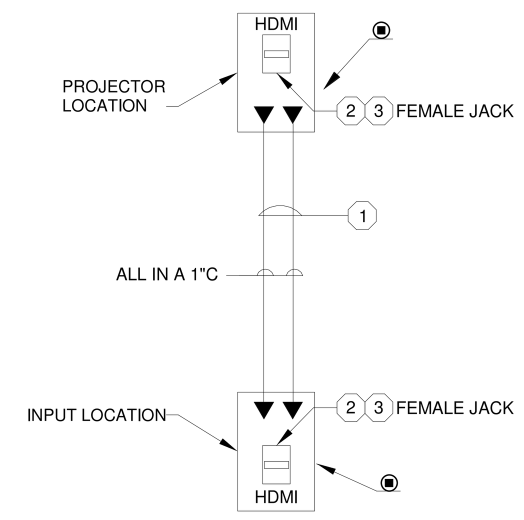


PLAN NOTES: X

1. CAT 6 PLENUM WIRING, BLUE COLOR.
2. PROVIDE TRIPP-LITE HDMI OVER CAT6 CONVERTER CAT# P167-000.
3. TERMINATION OF CONDUCTOR BY E.C.

3 E4.1 HDMI WIRING DETAIL
SCALE: NTS



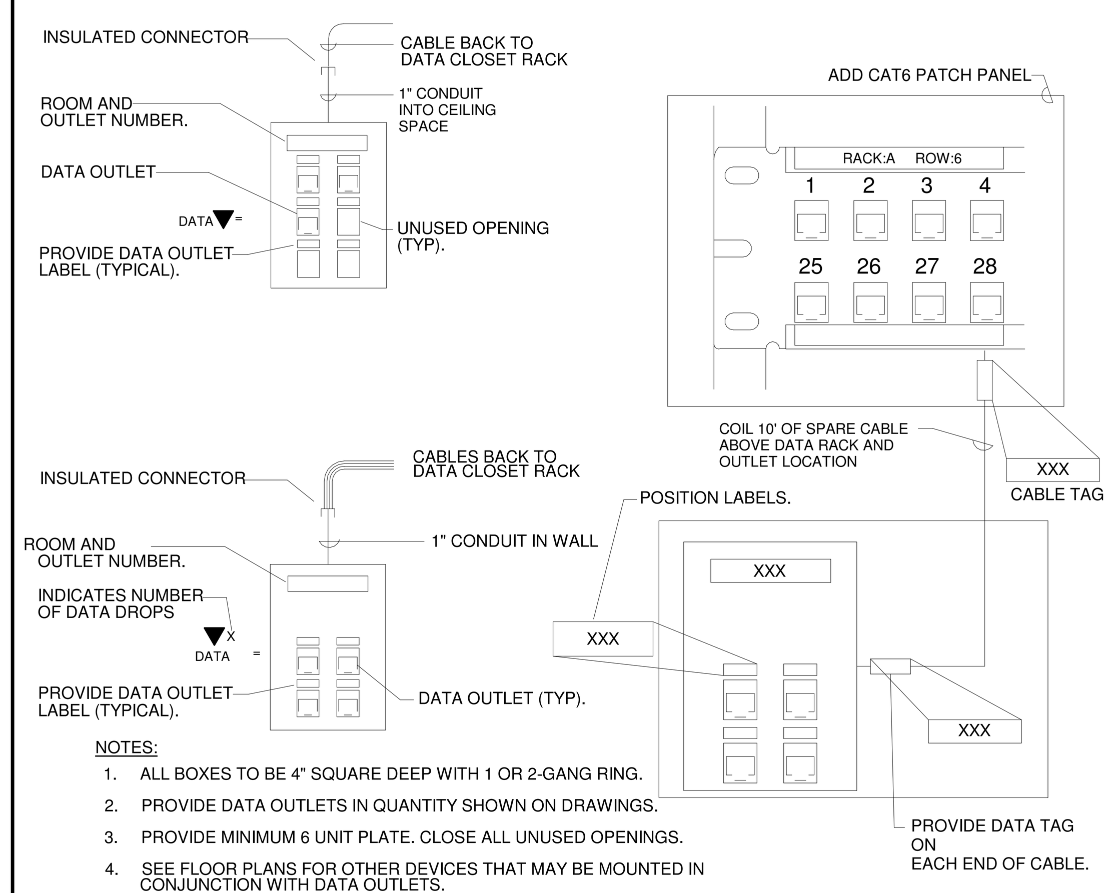


ROOM CONTROL TO PROJECTOR LOCATION WIRING DETAIL

PLAN NOTES: X

1. CAT 6 PLENUM WIRING, BLUE COLOR.
2. PROVIDE TRIPP-LITE HDMI OVER CAT6 CONVERTER CAT# P167-000.
3. TERMINATION OF CONDUCTOR BY E.C.
4. E.C. TO INSTALL PEERLESS PLATE.
5. CONFIRM EXACT DISTANCE FROM PROJECTION SCREEN WITH OWNER PRIOR TO INSTALLATION.
6. OWNER TO PROVIDE PROJECTOR, PROJECTOR MOUNTING PLATE AND TELESCOPING MOUNT WITH ADAPTOR PLATE. EC TO INSTALL.

2 E4.1 OVERHEAD VIDEO PROJECTOR DETAIL
SCALE: NTS



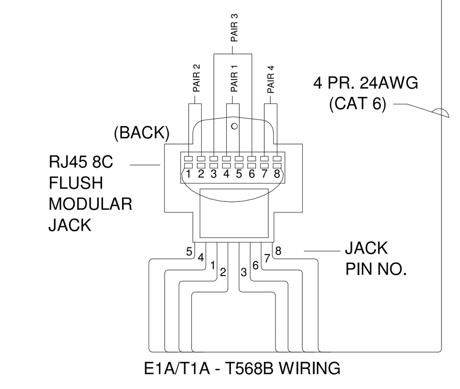
NOTES:

1. ALL BOXES TO BE 4" SQUARE DEEP WITH 1 OR 2-GANG RING.
2. PROVIDE DATA OUTLETS IN QUANTITY SHOWN ON DRAWINGS.
3. PROVIDE MINIMUM 6 UNIT PLATE. CLOSE ALL UNUSED OPENINGS.
4. SEE FLOOR PLANS FOR OTHER DEVICES THAT MAY BE MOUNTED IN CONJUNCTION WITH DATA OUTLETS.
5. PROVIDE OUTLET LABELING AS DIRECTED BY OWNER.
6. DATA WIRING SHALL BE BLUE, PLENUM RATED, BLUE JACKS.
7. DATA WIRING FOR DOOR ACCESS AND CAMERAS SHALL BE WHITE, PLENUM RATED WITH WHITE JACKS.
8. DATA WIRING FOR WAPS SHALL BE ORANGE, PLENUM RATED, WITH ORANGE JACKS.
9. DATA WIRING FOR CAMERAS SHALL BE WHITE.

NOTE: COORDINATE NUMBERING SCHEME WITH OWNER PRIOR TO LABELING.

NUMBERING SCHEME
NTS

PATCH PANEL FRONT



WIRING DIAGRAMS

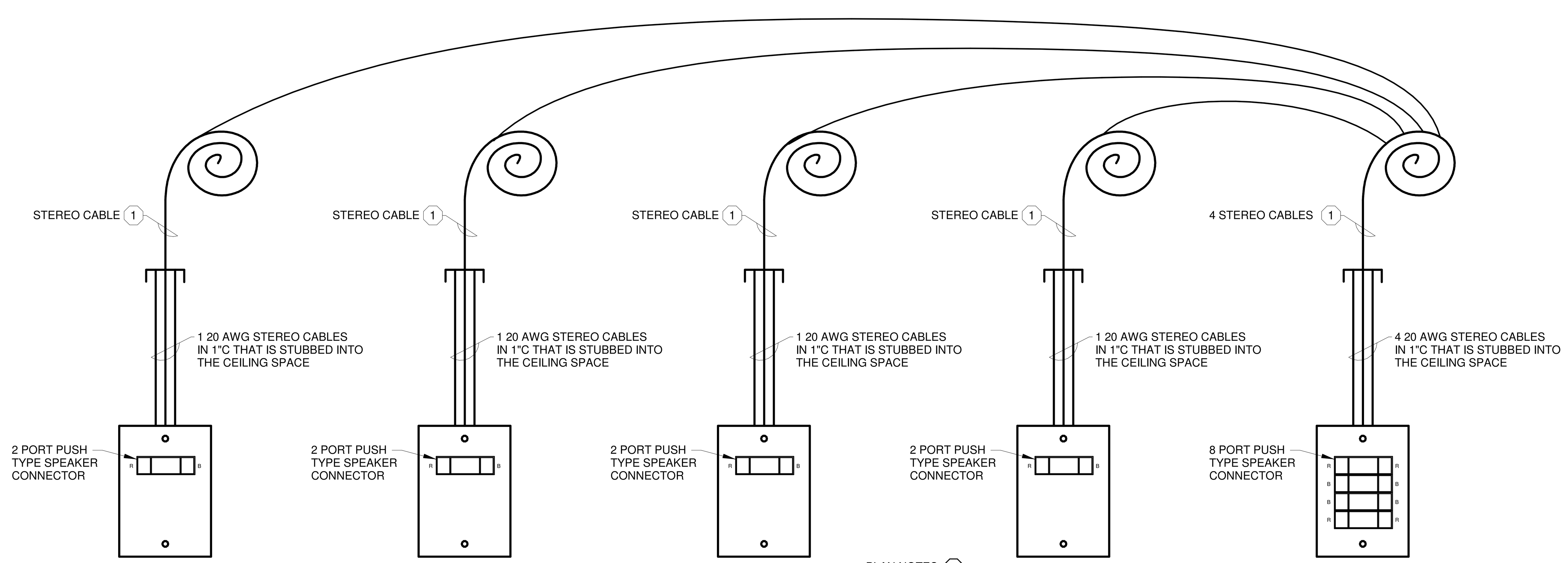
PDS WIRING PAIR COLORS - E1A/T1A 568B

PAIR #	ID	PIN # PDS	BRAND MARKED CODE	SOLID CODE
1	T1	5	WHITE/BLUE	GREEN
	R1	4	BLUE/WHITE	RED
2	T2	1	WHITE/ORANGE	BLACK
	R2	2	ORANGE/WHITE	YELLOW
3	T3	3	WHITE/GREEN	WHITE
	R3	6	GREEN/WHITE	BLUE
4	T4	7	WHITE/BROWN	ORANGE
	R4	8	BROWN/WHITE	BROWN

ALL EQUIPMENT TO BE CAT 6

WIRING DETAIL

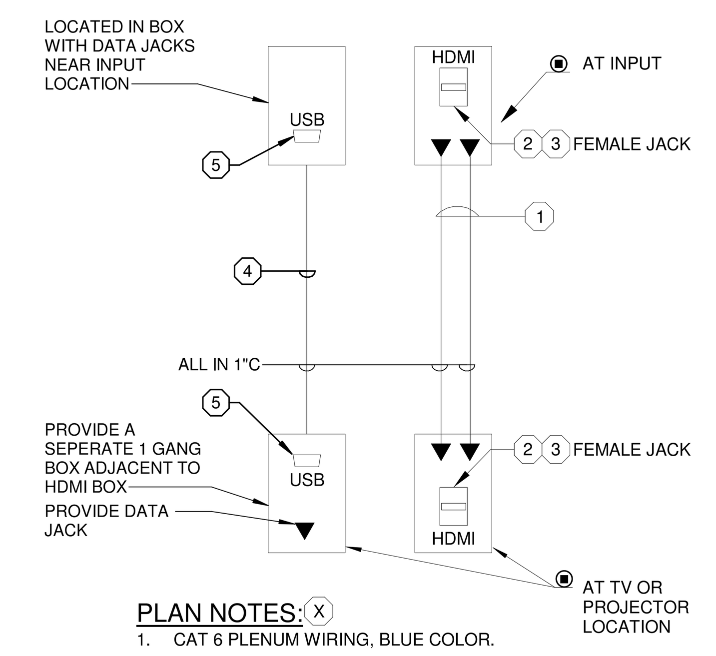
1 E4.1 TYPICAL TELECOMMUNICATIONS OUTLET CONFIGURATIONS
SCALE: NTS



PLAN NOTES: X

1. PLENUM RATED CABLE COIL 10' OF SPARE CABLE ABOVE THE CEILING AT THE BOARD PROJECTOR LOCATION.

6 E4.1 STEREO SPEAKER WIRING DETAIL
SCALE: NTS



PLAN NOTES: X

1. CAT 6 PLENUM WIRING, BLUE COLOR.
2. PROVIDE TRIPP-LITE HDMI OVER CAT6 CONVERTER CAT# P167-000.
3. TERMINATION OF CONDUCTOR BY E.C.
4. PLENM RATED USB CABLE.
5. FEMALE USB JACKS.

4 E4.1 USB & HDMI WIRING DETAIL
SCALE: NTS

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Project Title:
ADDITION AND RENOVATION TO
LITTLE CHUTE HIGH/ MIDDLE/ INTERMEDIATE SCHOOL
Little Chute Area School District
1402 Freedom Rd Little Chute, WI 54140

REVISIONS:

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Sheet Title:
DETAILS

Sheet Number:
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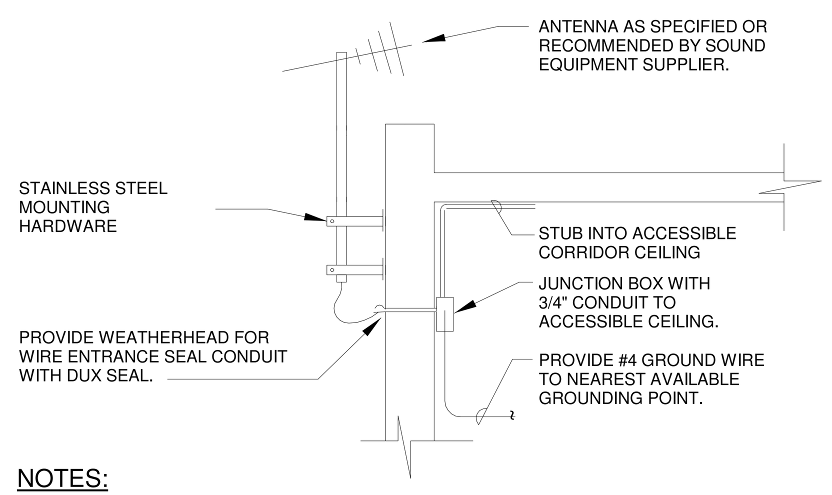
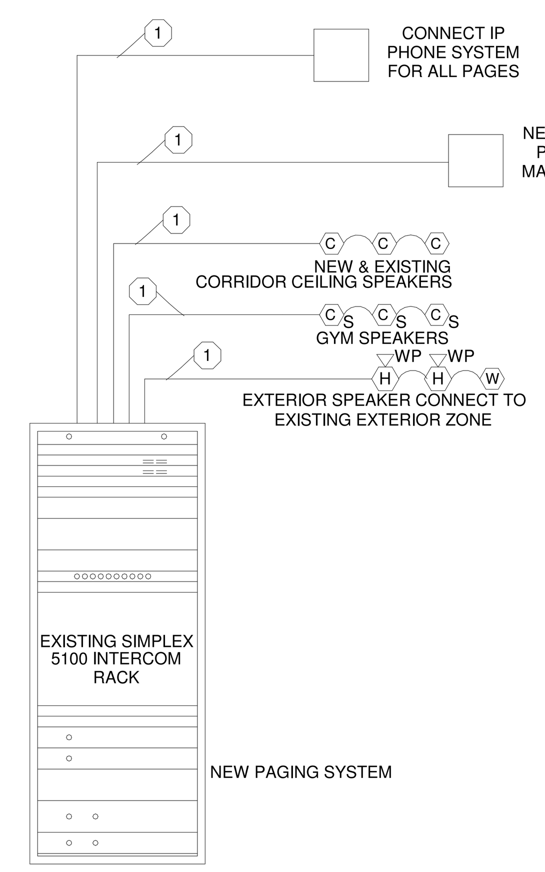


NOTES:

1. IF NOT SHOWN, MOUNT ON HIGHEST BUILDING WALL OR MEZZANINE.

3 E4.2 ANTENNA DETAIL

SCALE: NTS

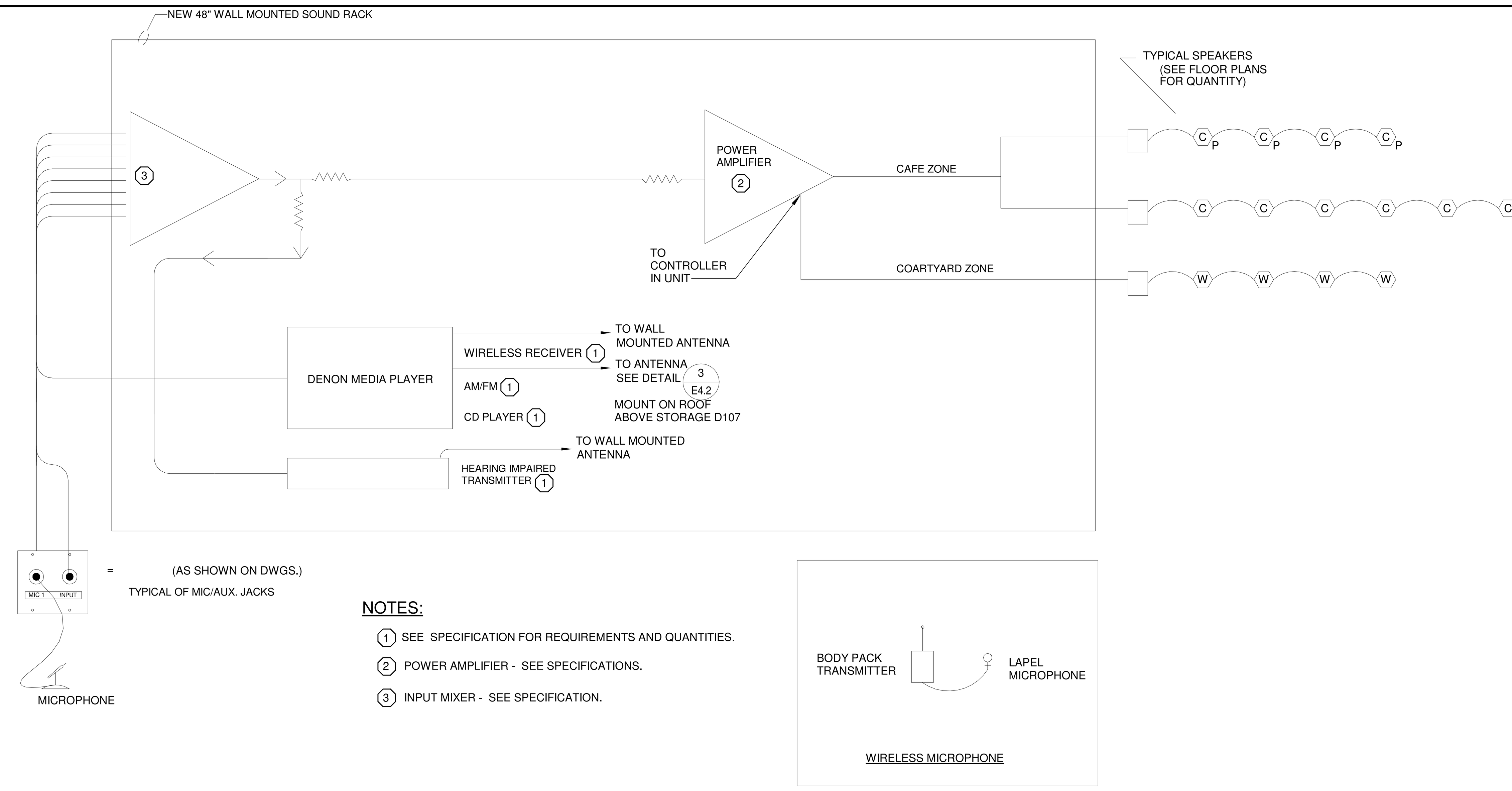


NOTES:

1. PROVIDE PLENUM RATED WIRE AS REQUIRED.

2 E4.2 INTERCOM/CLOCK DETAIL & RISER

SCALE: NTS



NOTES:

1. SEE SPECIFICATION FOR REQUIREMENTS AND QUANTITIES.
2. POWER AMPLIFIER - SEE SPECIFICATIONS.
3. INPUT MIXER - SEE SPECIFICATION.

1 E4.2 CAFETERIA SOUND DETAIL

SCALE: NTS

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