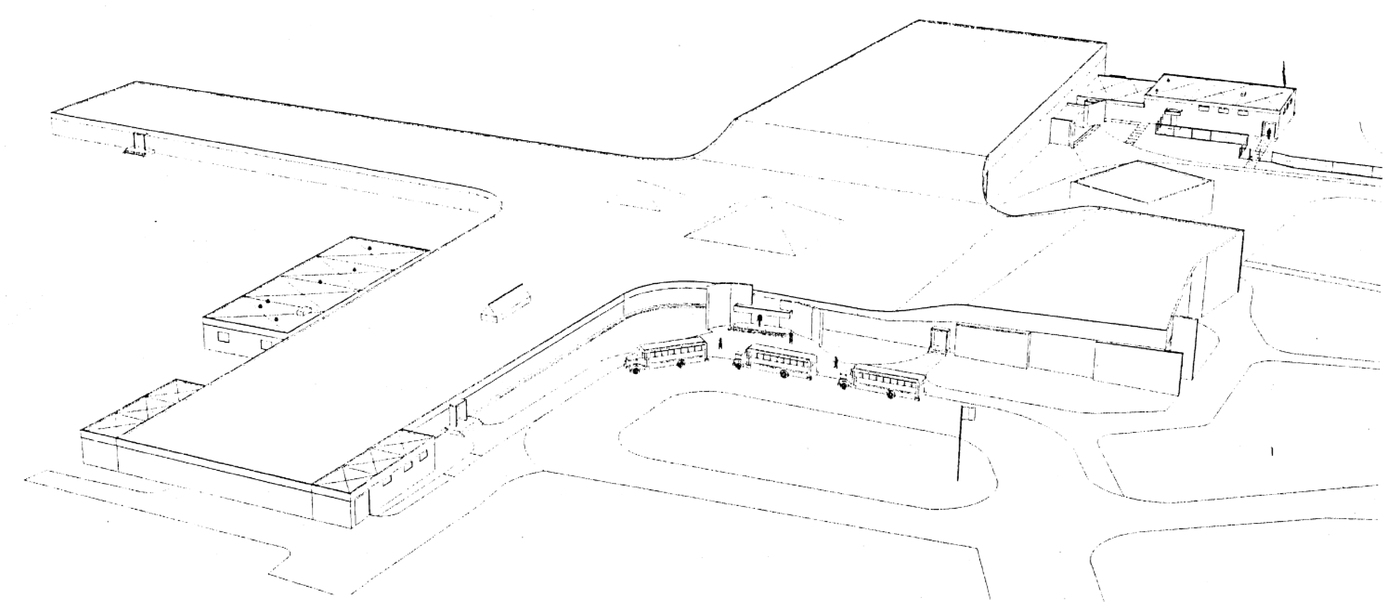
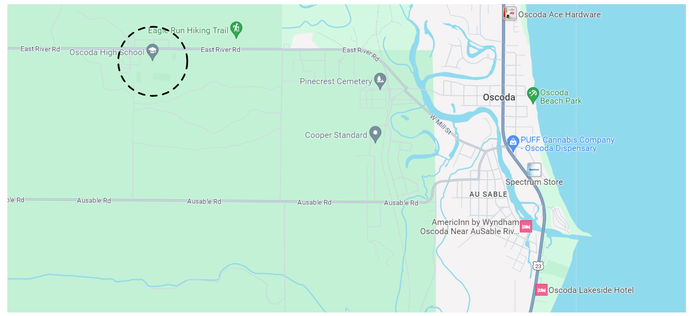
Oscoda High School Misc Renovation: Phase 1

Oscoda Area Schools

3550 E River Rd, Oscoda, MI 48750





CITY MAP

PROJECT MAP

THE COLLAB ORATIVE +ACOCK

KTS ENGINEERING GROUP

MEP ENGINEERS

491 E. WRIGHT AVE.
SHEPERD, MI 48883

ANDREW BROCK ENGINEER
structural & civil engineering

STRUCTURAL ENGINEER

3301 CHASENWOOD WAY,
PERRYSBURG, OH 43551

DRAWING INDEX: (ALL DRAWINGS LISTED BELOW, EXCEPT THOSE UNDER "DEFFERRED SUBMITTALS" ARE INCLUDED IN THIS PACKAGE, UNLESS NOTED OTHERWISE)

DEFERRED SUBMITTALS

THE FOLLOWING ITEMS ARE NOT INCLUDED IN THIS PACKAGE AND ARE CONSIDERED "DEFERRED SUBMITTALS" AS THEIR DESIGN & CONTENT ARE DELEGATED DESIGNS TO BE AUTHORED BY THE CONTRACTOR(S) AND/OR THE CONTRACTOR'S ENGINEER(S). CONTRACTOR(S) AND/OR CONTRACTOR'S ENGINEER(S) ARE RESPONSIBLE TO SUBMIT THE NECESSARY DOCUMENTS & DRAWINGS TO THE LOCAL AUTHORITY-HAVING-JURISDICTION (AHJ) FOR REVIEW AND APPROVED TO OBTAIN THE REQUIRED PERMITTING TO EXECUTE THE WORK LISTED BELOW.

LIST OF DEFERRED SUBMITTALS:

STRUCTURAL

S101 STRUCTURAL PLANS & DETAILS -THEATER

ARCHITECTURAL

A0.00	GENERAL INFORMATION
A1.10	FIRST FLOOR PLAN - UNIT A, WALL TYPES, & DOOR SCHEDULE
A4.00	BUILDING SECTIONS
A7.11	FIRST FLOOR REFLECTED CEILING PLAN - UNIT A
A7.21	FIRST FLOOR FINISH PLAN - UNIT A

ELECTRICAL

E0.01	GENERAL ELECTRICAL NOTES, SYMBOLS & ABBREVIATIONS
E1.10	FIRST FLOOR PLAN - UNIT A
E5.01	ELECTRICAL DETAILS
E6.01	ELECTRICAL SCHEDULES
E7.01	ONE LINE DIAGRAM
ED1.10	FIRST FLOOR DEMOLITION PLAN - UNIT A

LIFE SAFETY & CODE INFORMATION

LS1.00	LIFE SAFETY PLANS

DEMOLITION

D1.01	FIRST FLOOR DEMOLITION PLAN - UNIT A

08.15.2025	CONSTRUCTION DOCUMENTS
07.18.2025	DESIGN DOCUMENTATION

STATE OF OHIO
BRANDON M. ANDRZEJCZAK
2118233
REGISTERED ARCHITECT

Brandon M. Andrzejczak,
License #2118233
Expiration Date 12/31/2025

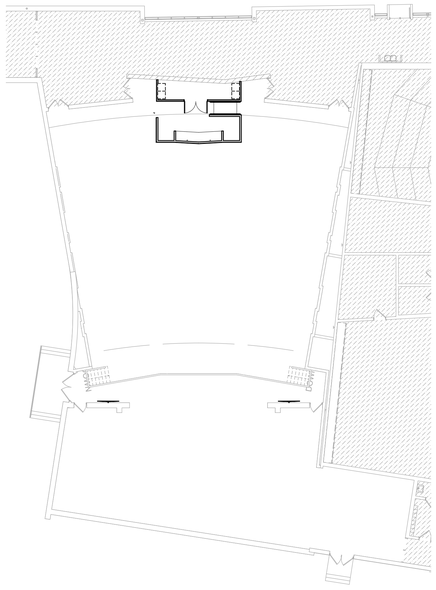
TC JOB NO. 107348

OWNER JOB NO. #Client Custom

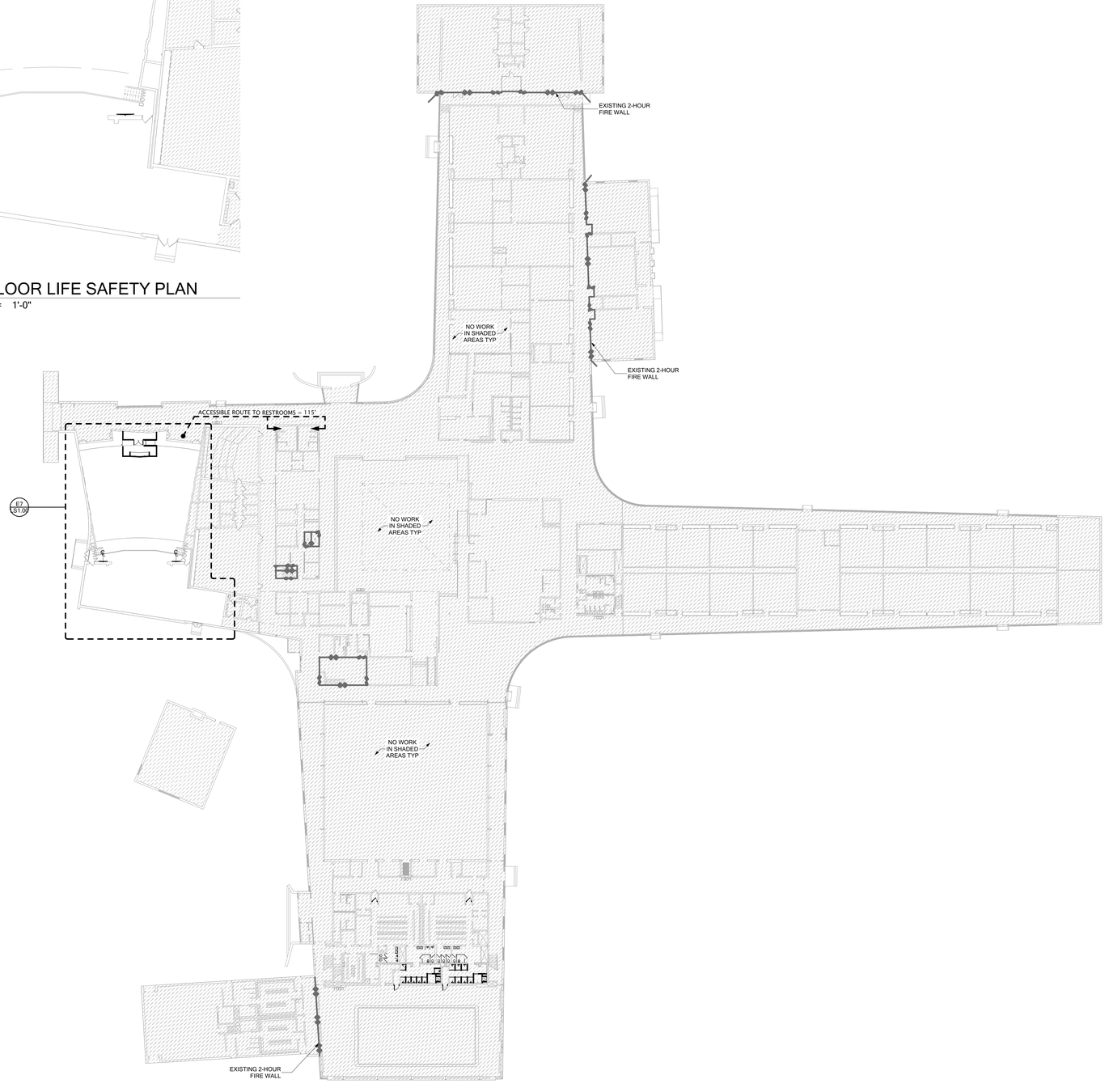
One SeaGate, Park Level 118
Toledo, OH 43604 / 419.242.7405

213 South Main Street, Suite 200
Ann Arbor, MI 48104 / 734.922.8002

800 North High Street, Third Floor
Columbus, OH 43215 / 419.242.7405



E7 FIRST FLOOR LIFE SAFETY PLAN
SCALE: 1/16" = 1'-0"



A3 FIRST FLOOR LIFE SAFETY PLAN
SCALE: 1/32" = 1'-0"

BUILDING CODE:	MICHIGAN REHAB CODE 2021, MICHIGAN BUILDING CODE 2021
TYPE OF PROJECT:	INTERIOR ALTERATION - CREATING A DEDICATED A/V DESK + REPLACING THE EXISTING STAGE LIGHTING AND SOUND SYSTEM
METHOD OF COMPLIANCE:	PRESCRIPTIVE COMPLIANCE METHOD
ACCESSIBILITY IN EXISTING BUILDINGS:	ACCESSIBLE ROUTE TO INTERIOR ALTERATION, WHICH CONTAINS AN AREA OF PRIMARY FUNCTION, IS PROVIDED VIA CORRIDORS EXCEEDING MINIMUM WIDTHS FOR ACCESSIBILITY (UNALTERED). THE NEAREST ACCESSIBLE RESTROOM HAS BEEN MARKED ON THE FLOOR PLAN
EXISTING USE GROUP:	E/EDUCATION - UNALTERED
EXISTING CONSTRUCTION CLASSIFICATION:	IIB (2012 MRCEB) - UNALTERED TYPE II - 000 (NFPA 101)
EXISTING FIRE SPRINKLER SYSTEM:	YES - UNALTERED
EXISTING FIRE ALARM SYSTEM:	YES, UNALTERED

PROPOSED BUILDING HEIGHT:	EXISTING (NO CHANGE)
OVERALL HEIGHT (FEET)	29'-5"
NUMBER OF STORIES	2

BUILDING AREA:	EXISTING (NO CHANGE)
BASEMENT	3,000 SF
FIRST FLOOR	149,360 SF
SECOND FLOOR	8,430 SF
TOTAL BUILDING AREA:	160,790 SF

FIRE RESISTANCE RATINGS:	REQUIRED/PROVIDED
STRUCTURAL FRAME - INCLUDING COLUMNS, BEAMS, TRUSSES	0 HOUR
BEARING WALLS -	
EXTERIOR	0 HOUR
INTERIOR	0 HOUR
NON BEARING WALLS & PARTITIONS -	
EXTERIOR	0 HOUR
INTERIOR	0 HOUR
FLOOR CONSTRUCTION - INCLUDING SUPPORTING BEAMS & JOISTS	0 HOUR
ROOF CONSTRUCTION - INCLUDING SUPPORTING BEAMS & JOISTS	0 HOUR
EXTERIOR WALLS	0 HOUR
FIRE WALLS	0 HOUR
(TO SEPARATE BUILDINGS AREAS W/ STRUCTURAL STABILITY)	
FIRE BARRIERS	
SEPARATION OF INCIDENTAL USES	1 HOUR
FIRE PARTITIONS	0 HOUR
SHAFT ENCLOSURES	1 HOUR
CORRIDORS	1 HOUR
EXIT STAIRS	1 HOUR

INTERIOR WALL & CEILING FINISH REQUIREMENTS:	OCCUPANCY GROUP	EXIT ENCLOSURE & EXIT PASSAGEWAY	CORRIDORS	ROOMS & ENCLOSED SPACES
	E	A	B	C

OCCUPANT LOAD: 711 OCCUPANTS PER PREVIOUSLY APPROVED DRAWINGS. PROPOSED WORK DOES NOT INCREASE OCCUPANT COUNT.

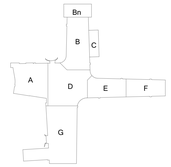
PLUMBING FIXTURES REQUIRED: NO OCCUPANTS HAVE BEEN ADDED AS PART OF THIS ALTERATION AND NO NEW PLUMBING FIXTURES ARE REQUIRED.

LEGEND

- 1 HOUR WALL
- 2 HOUR WALL
- 3 HOUR WALL
- 4 HOUR WALL
- 20 / 180 — REQUIRED OCCUPANT LOAD FOR THIS EXIT / PROVIDED OCCUPANT LOAD FOR THIS EXIT
- (NFPA 10) F.E. — BRACKET MOUNTED FIRE EXTINGUISHER
- (NFPA 10) F.E. CAB. — FIRE EXTINGUISHER AND CABINET

THE COLLABORATIVE +ACOCK

BRANDON ANDRZEJCZAK 2101233 REGISTERED ARCHITECT STATE OF MICHIGAN



KEY PLAN
N.T.S.

PROJECT TITLE

Oscoda Area Schools

Oscoda High School Misc Renovation

3550 E River Rd,
Oscoda Township,, MI 48750

08.15.2025	CONSTRUCTION DOCUMENTS
07.18.2025	DD ISSUANCE

TC JOB NO. 107348

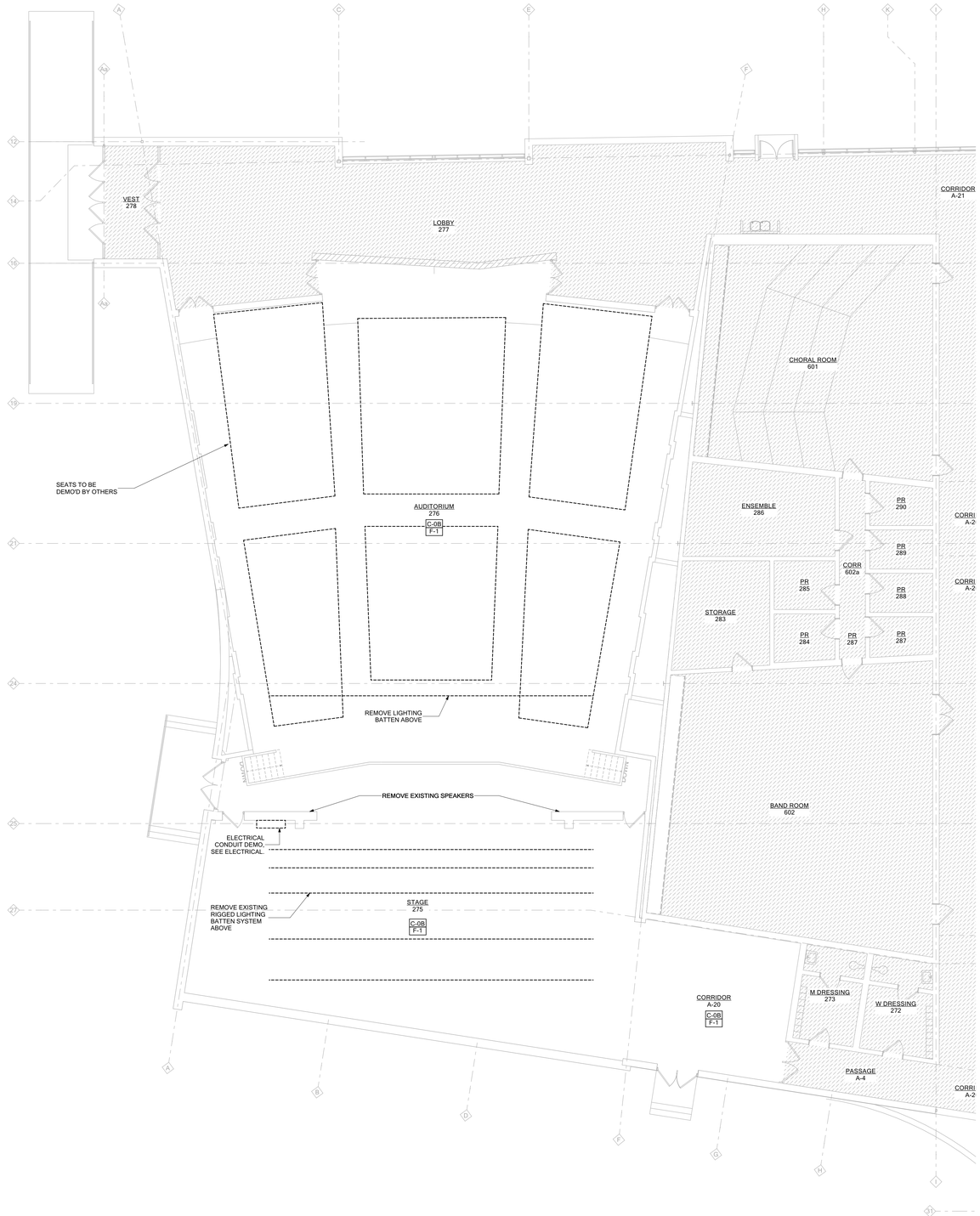
OWNER JOB NO. #Client Custom

SHEET TITLE

LIFE SAFETY PLANS

SHEET NO.

LS1.00



A2 FIRST FLOOR DEMOLITION PLAN - UNIT A

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

DEMOLITION LEGEND

REFER TO THE FOLLOWING TAG FOR GENERAL CEILING AND FLOORING DEMOLITION INFORMATION FOR EACH ROOM UNLESS OTHERWISE NOTED.

C-1 ← CEILING DEMOLITION KEYNOTE

F-1 ← FLOORING DEMOLITION KEYNOTE

DEMOLITION GENERAL NOTES

1. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR DEMOLITION SCOPE RELATED TO EXISTING MEP SYSTEMS.
2. FOR ALL REMOVED FINISHES, FURNISHINGS, CASEWORK, AND BUILDING ELEMENTS, REMOVE ALL ASSOCIATED MOUNTING MATERIALS, ADHESIVES, HARDWARE, AND RELATED ELEMENTS.
3. PATCH ALL DISTURBED SUBSTRATES AT LOCATIONS OF REMOVED ELEMENTS AS REQUIRED TO CREATE SMOOTH SURFACES FOR NEW CONSTRUCTION.
4. AT INTERIOR WALLS WHERE DOORS AND WINDOWS HAVE BEEN REMOVED, PATCH OPENINGS TO MATCH EXISTING CONSTRUCTION AS REQUIRED FOR NEW WORK.
5. AT ALL REMOVED DOORS, SALVAGE THE FOLLOWING HARDWARE AND RETURN TO OWNER (CONTRACTOR TO DISPOSE OF ALL OTHER HARDWARE):
   A. LOCKSETS
   B. PANIC HARDWARE
6. REFER TO FLOOR PLAN FOR COORDINATION REQUIREMENTS FOR NEW CONSTRUCTION

DEMOLITION KEYNOTES

(NOTE: NOT ALL NUMBERS ARE USED)

C: CEILINGS

C-0A: NO CEILING DEMOLITION IN THIS AREA, EXPOSED STRUCTURE ABOVE
C-0B: NO CEILING DEMOLITION IN THIS AREA, EXISTING CEILING TO REMAIN
C-1: REMOVE ACOUSTICAL PANEL CEILING SYSTEM AND METAL SUSPENSION SYSTEM
C-2: REMOVE GYPSUM BOARD CEILING SYSTEM
C-3: REMOVE DIRECT-MOUNT ACOUSTICAL CEILING TILES, SUBSTRATE, AND SUSPENSION SYSTEM

CA: CASEWORK
CA-0: EXISTING CASEWORK AND/OR SHELVING TO REMAIN
CA-1: REMOVE BUILT-IN CASEWORK AND/OR SHELVING

D: DOORS:
D-1: REMOVE SINGLE DOOR
D-2: REMOVE DOUBLE DOORS
D-3: REMOVE OVERHEAD DOOR AND TRACK
D-5: REMOVE ACCESS PANEL/ACCESS DOOR AND FRAME
D-6: REMOVE COILING DOOR/SHUTTER, TRACK AND MECHANISM
D-7: REMOVE ALUMINUM ENTRANCE DOOR(S) AND ADJACENT STOREFRONT SYSTEM

DF: DOOR FRAMES
DF-1: REMOVE HOLLOW METAL DOOR FRAME
DF-2: REMOVE WOOD DOOR FRAME
DF-3: REMOVE ALUMINUM DOOR FRAME

EQ: EQUIPMENT
EQ-1: REMOVE EXISTING LOCKERS
EQ-2: REMOVE CHALKBOARD/MARKERBOARD AND RETURN TO OWNER
EQ-3: REMOVE TACKBOARDS AND RETURN TO OWNER

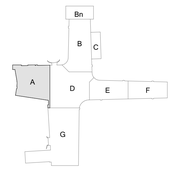
F: FLOORING
F-0: NO FLOORING DEMOLITION IN THIS AREA - EXISTING EXPOSED CONCRETE FLOOR TO REMAIN
F-1: NO FLOORING DEMOLITION IN THIS AREA - EXISTING FLOOR FINISH TO REMAIN
F-2: REMOVE RESILIENT FLOORING
F-3: REMOVE CARPET AND ACCESSORIES
F-4: REMOVE TILE FLOORING TO STRUCTURAL SUBFLOOR
F-5: REMOVE TERRAZZO FLOORING TO STRUCTURAL SUBFLOOR
F-6: REMOVE FLOOR GRATING AND FRAMES

T: TOILET FIXTURES:
T-1: REMOVE SINK AND ASSOCIATED PLUMBING LINES
T-2: REMOVE TOILET AND ASSOCIATED PLUMBING LINES
T-3: REMOVE TOILET PARTITIONS AND DOORS
T-4 REMOVE SHOWER FIXTURE AND ALL ASSOCIATED PLUMBING LINES

W: WALLS AND PARTITONS:
W-1: REMOVE CMU WALL
W-2: REMOVE STUD AND GYPSUM BOARD PARTITION
W-3: REMOVE DECORATIVE WALL FINISH (PANELING, WALLCOVERING, TILE, ETC.), AND ASSOCIATED ADHESIVE, FURRING, MORTAR, ANCHORS, ETC. DOWN TO SUBSTRATE

THE COLLAB ORATIVE +ACOCK

STATE OF MICHIGAN
BRANDON L. ANDRZEJCZAK
21010233
REGISTERED ARCHITECT



KEY PLAN
N.T.S.

PROJECT TITLE

Oscoda Area Schools

Oscoda High School Misc Renovation

3550 E River Rd,
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08.15.2025	CONSTRUCTION DOCUMENTS
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TC JOB NO. 107348

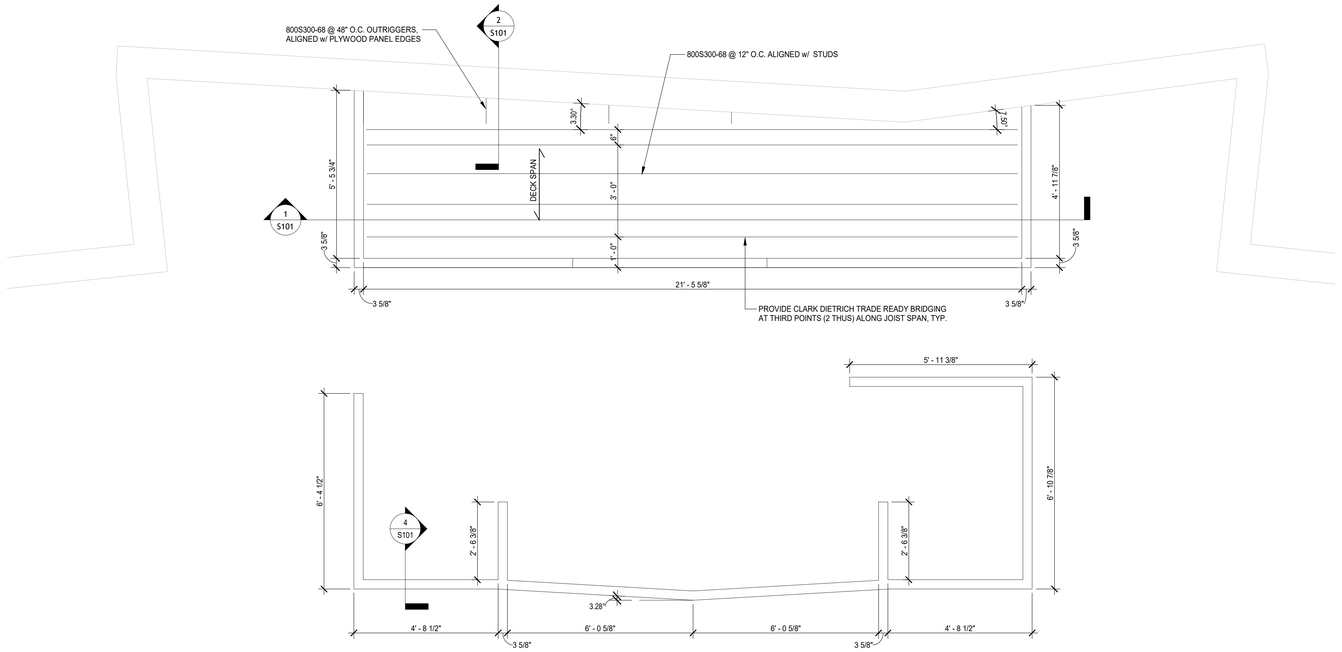
OWNER JOB NO. #Client Custom

SHEET TITLE

FIRST FLOOR DEMOLITION PLAN - UNIT A

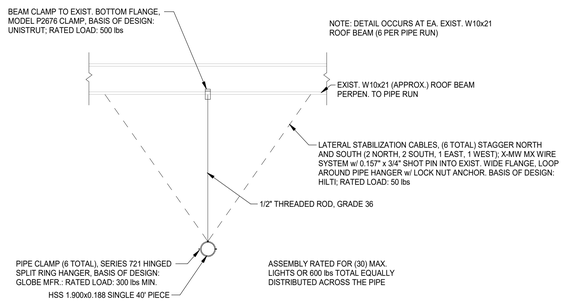
SHEET NO.

D1.01



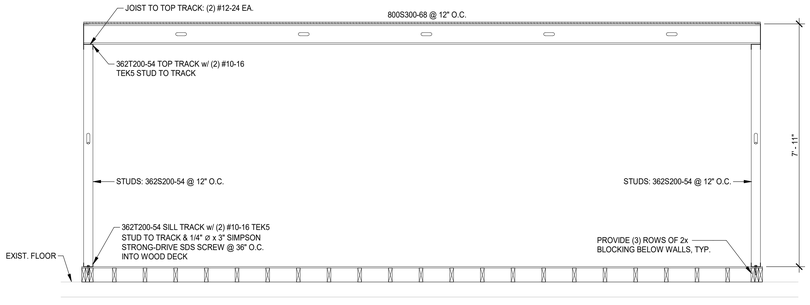
CFMF LAYOUT PLAN

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



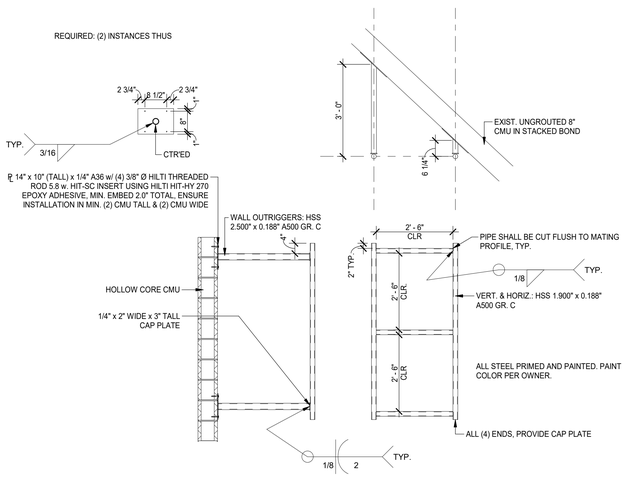
3 S101 PIPE SUPPORT DETAIL

SCALE: 1" = 1'-0"



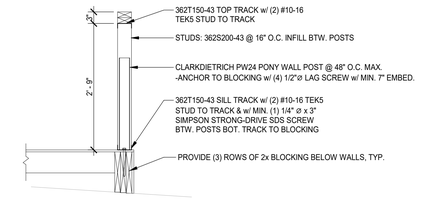
1 S101 STORAGE ROOM SECTION

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



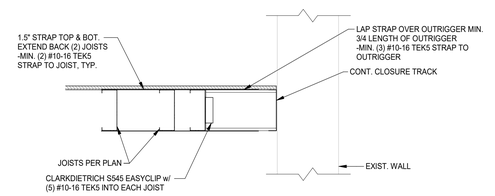
5 S101 LIGHT LADDER

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



4 S101 KNEE WALL DETAIL

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



2 S101 OUTRIGGER CONNECTION

SCALE: 1" = 1'-0"

NOTES:
1. TJOISTS = +7/-11"
2. DECK IS 4'x8' SHEETS OF 3/4" 23/32 APA-RATED PLYWOOD SHEATHING w/ GYP. SUB-LAYER (SEE ARCH.), ORIENTED w/ 8' DIMENSION PERPENDICULAR TO FRAMING. NAILED w/ 6d NAILS 6" O.C. EDGES, 12" O.C. FIELD.
3. STORAGE ROOM DUST COVER IS DESIGNED FOR 40 psf MAINTENANCE LOAD. IT IS **NOT** DESIGNED FOR STORAGE.

1. LIGHT GAUGE FRAMING DESIGNED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE LATEST AISI *"SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS"*.
2. WALL BRACING, JOIST BRIDGING, WEB STIFFENERS, AND OTHER ACCESSORIES ARE SHOWN PER MANUFACTURERS' SPECIFICATIONS AND REQUIREMENTS. WALL STUDS ARE BRACED TO PREVENT ROTATION OF FLANGES AT 4' MAX. JOISTS SHALL BE BRACED AGAINST ROTATION AS SHOWN. MAX. BASIS OF DESIGN FOR KNOCK OUT BRACING BTW. STUDS IS "CLARK DIETRICH TRADEREADY SPAZZER 5400 BRIDGING/SPACER". STUD TO BRACE SHALL BE EITHER "CLARK DIETRICH S545 w/ (2) #10-16 SCREWS TO STUD & TO SPAZZER" OR "CLARK DIETRICH SPAZZER 5400 GUARD w/ (2) #10-16 SCREWS"
3. USE A MIN. OF (3) STUDS AT INTERSECTIONS OF ALL WALLS.
4. HEADERS AND BEAMS ARE CONSTRUCTED OF UNPUNCHED MATERIALS.
5. ALL STUDS & JOISTS ARE PUNCHED, G60
6. MAXIMUM GAP BETWEEN WEB OF STUDS AND WEB OF TRACK FOR A SEATED STUD IS 1/8" FOR ALL STRUCTURAL WALLS. PRESSURE SHOULD BE APPLIED TO NEST STUDS INTO TRACKS.
7. HEADERS WILL BE LOCATED AT THE TOP OF THE OPENING PER THE ARCHITECTURAL DRAWINGS (TYP. 7'-2" DOOR HEAD).
8. JAMB STUDS (JACK STUDS) ARE ATTACHED TO (2) KING (FULL HEIGHT) STUDS w/ (2) #12 SCREWS @ 8" O.C., CENTERED ON STUD, PROVIDE 800T125-43 CLOSURE TRACK AT JAMB
9. SILL TRACK ASSEMBLY ARE ANCHORED TO JAMB STUDS w/ LIGHT GAUGE CLIP ANGLE, BASIS OF DESIGN IS "CLARK DIETRICH S545 w/ (2) #10-16 SCREWS PER LEG"
10. SHEATHING MATERIALS ARE TO BE FASTENED TO STUD WALLS IN COMPLIANCE w/ PLANS.
11. SCREWS ARE AS INDICATED ON DETAILS OR DRAWINGS, PROVIDED TO FOLLOWING:
    A. CFS TO CFS: #10-16 x 5/8" PAN HEAD, BUILDEX "TEKS" OR GRABBER SELF-DRILL
    B. CFS TO CFS: #12-24 x 1-1/4" HEX HEAD, #5 TIP, BUILDEX "TEKS" OR HILTI KWIK-PRO
    C. CFS TO CONCRETE: 0.157" DIA. PAF (POWDER ACTUATED FASTENER), HILTI X-U
12. ALL SCREWS REQUIRE 1/2" MINIMUM CLEARANCE TO EDGES OF MEMBERS AND 1/2" MINIMUM CLEARANCE BETWEEN SCREWS.

THE COLLABORATIVE

ANDREW BROCK ENGINEER
structural & civil engineering

STATE OF MICHIGAN
ANDREW M BROCK
ENGINEER
No. 6201069379
LICENSED PROFESSIONAL ENGINEER

08/15/2025

PROJECT TITLE

Oscoda Area Schools

Oscoda High School Misc Renovation

3550 E River Rd, Oscoda Township, MI 48750

08.14.2025	ISSUED FOR PERMIT

TC JOB NO. 107348

OWNER JOB NO.

AMB ENG. JOB NO. 20250090

SHEET TITLE

STRUCTURAL PLANS & DETAILS - THEATER

SHEET NO.

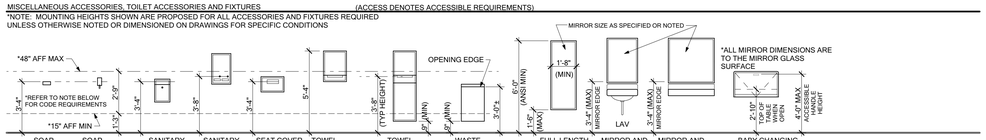
S101

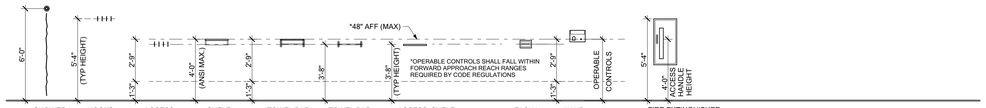
PLOTTED: 8/14/2025 1:26:39 PM

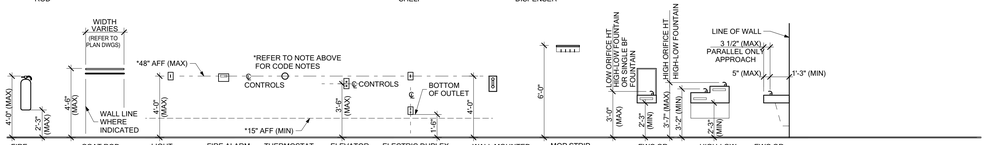
TYPICAL MOUNTING HEIGHTS (BASED ON ICC - A117.1 - 2009)

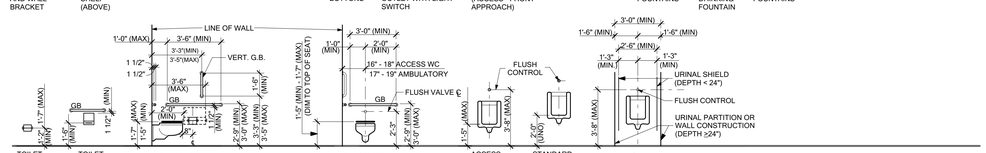
MISCELLANEOUS ACCESSORIES, TOILET ACCESSORIES AND FIXTURES (ACCESS DENOTES ACCESSIBLE REQUIREMENTS)

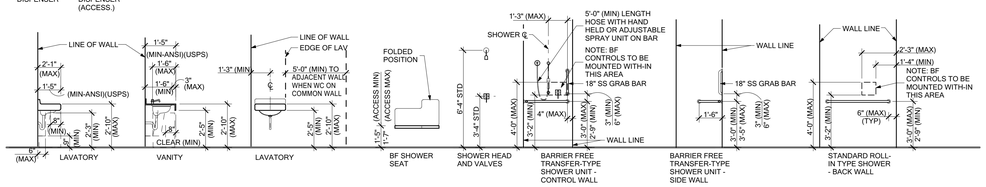
*NOTE: MOUNTING HEIGHTS SHOWN ARE PROPOSED FOR ALL ACCESSORIES AND FIXTURES REQUIRED UNLESS OTHERWISE NOTED OR DIMENSIONED ON DRAWINGS FOR SPECIFIC CONDITIONS











REFERENCE SYMBOLS

ROOM NAME AND NUMBER IDENTIFICATION

ROOM NAME
000 — ROOM IDENTIFICATION NUMBER

KEYED NOTE IDENTIFICATION

XX-# — KEYED NOTE IDENTIFICATION NUMBER AS LISTED IN "KEYED NOTES LEGEND"

GRID LINE IDENTIFICATION

A — GRID ID (NEW CONSTRUCTION)

A — GRID ID (EXISTING CONSTRUCTION)

WALL TYPE IDENTIFICATION

C — WALL CONSTRUCTION TYPE LETTER AS LISTED IN "WALL TYPES" SHEET

(DESCRIPTION ORIGINATES AT WALL SURFACE DESIGNATION)

FENESTRATION IDENTIFICATION

A — WINDOW IDENTIFICATION NUMBER, REFER TO WINDOW SCHEDULE

SF-A — STOREFRONT IDENTIFICATION NUMBER, REFER TO STOREFRONT ELEVATIONS

CW-A — CURTAIN WALL IDENTIFICATION NUMBER, REFER TO CURTAIN WALL ELEVATIONS

DOOR IDENTIFICATION

101
101A — DOOR IDENTIFICATION NUMBER

STAIR DIRECTION NOTATION

10 T (11 R) — UP (DN)
- STAIR DIRECTION TO FLOOR ABOVE (UP) OR BELOW (DN.)
- NUMBER OF TREADS (OR RISERS) IN STAIR RUN

MATERIAL OR WORK DIVISION NOTATION

MATERIAL "A" (NEW CONST.) | MATERIAL "B" (EXIST. CONST.)

JOINT BETWEEN MATERIALS (OR CONSTRUCTION WORK DIVISION LINE)

DRAWING DIMENSION LINES

5'-3" — NOTE: DO NOT SCALE DRAWINGS WITHOUT GRAPHIC SCALES WITH PROPORTIONS OTHER THAN 1:1

NORTH INDICATION

N — ASSUMED NORTH IF NOT TRUE NORTH OR PLAN NORTH WHERE TRUE NORTH IS INDICATED BY ARROW NOTATION

DRAWING NOTE

MATERIAL NOTATION AND INFORMATION (REFER TO TECHNICAL SPECIFICATIONS FOR MATERIAL DESCRIPTIONS AND METHODS OF CONSTRUCTION)

DRAWING/DETAIL/SECTION IDENTIFICATION

X — IDENTIFICATION NUMBER

DRAWING/DETAIL/SECTION TITLE
SCALE: 1/8" = 1'-0"

SECTION LOCATION INDICATION

X / XXX — SECTION IDENTIFICATION NUMBER

SHEET IDENTIFICATION NUMBER

DETAIL LOCATION INDICATION

X / XX.XX — DETAIL IDENTIFICATION NUMBER

SHEET IDENTIFICATION NUMBER

MATCH LINE INDICATION

SHEET IDENTIFICATION NUMBER (INDICATES SHEET NUMBER OF DRAWING)

A1.1 / A1.2 — ZONE 'A' / ZONE 'B'

ZONE 'A' / ZONE 'B' — A1.1 / A1.2

SHEET IDENTIFICATION NUMBER (INDICATES SHEET NUMBER WHERE DRAWING IS CONTINUED)

ELEVATION INDICATION

XX.XX — ELEVATION IDENTIFICATION NUMBER(S)

INDICATES DIRECTION OF VIEW OR MULTIPLE VIEWS

SHEET IDENTIFICATION NUMBER

DOOR INDICATION

BULLETIN OR ADDENDUM IDENTIFICATION

1 — BULLETIN NUMBER

(CURRENT REVISIONS SHALL BE SHOWN ENCIRCLED BY A FREEFORM LINE) 1

ABBREVIATIONS

A	
AB	ACOUSTIC BAFFLE
A/C	AIR CONDITIONING
ABV	ABOVE
ACCU	AIR COOLED CONDENSING UNIT
AD	AREA DRAIN
ADO	AUTOMATIC DOOR OPENER
ADJ	ADJUSTABLE / ADJACENT
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AHU	AIR HANDLING UNIT
AL / ALUM	ALUMINUM
ALT	ALTERNATE
ANOD	ANODIZED
APC	ACOUSTIC PANEL CEILING
ARCH	ARCHITECT/ARCHITECTURAL
AVG	AVERAGE
AWT	ACOUSTIC WALL TREATMENT
B	
BB	BULLETIN BOARD
BSMT	BASEMENT
BM	BEAM
BRG	BEARING
BD	BOARD
BLR	BOILER
BOD	BASIS OF DESIGN
BOT	BOTTOM
BLDG	BUILDING
BUR	BUILT-UP ROOFING
C	
C&G	CURB AND GUTTER
CAB	CABINET
CAP	CAPACITY
CB	CATCH BASIN
CBB	CEMENTITIOUS BACKER BOARD
CEM	CEMENT / CEMENTITIOUS
CF	CONTRACTOR FURNISHED
CFMF	COLD-FORMED METAL FRAMING
CG	CORNER GUARD
CHBD	CHALKBOARD
CI	CONTRACTOR INSTALLED
CIP	CAST-IN-PLACE
CJ	CONTROL JOINT/ CONSTRUCTION JOINT

C (CONT)	
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CNTR	COUNTER
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUE/CONTINUOUS
COORD	COORDINATE
CORR	CORRUGATED
CPT	CARPET
CSMT	CASEMENT
CT	CERAMIC TILE
CTB	CERAMIC TILE BASE
CTF	CERAMIC TILE FLOOR
CTR	CENTER
CU	COPPER
CU FT	CUBIC FEET/ CUBIC FOOT
CU YD	CUBIC YARD
CUH	CABINET UNIT HEATER
CW	COLD WATER PIPING
D	
D	DEEP
DEMO	DEMOLISH, DEMOLITION
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIAG	DIAGONAL
DIFF	DIFFUSER
DIM	DIMENSION
DIR	DIRECTION
DISC	DISCONNECT
DIST	DISTANCE
DL	DEAD LOAD
DN	DOWN
DR	DOOR
DS	DOWNSPOUT
DW	DISHWASHER
E	
EA	EACH
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC/ELECTRICAL

E (CONT)	
ELEV	ELEVATOR
EMER	EMERGENCY
ENGR	ENGINEER
EP	ELECTRICAL PANEL
EPT	EPOXY PAINT
EQ	EQUAL
EQUIP	EQUIPMENT
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXIST	EXISTING
EXT	EXTERIOR
F	
F	FILLER PANEL
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FBO	FURNISHED BY OTHERS
FCO	FLOOR CLEAN OUT
FCU	FAN COIL UNIT
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF&E	FURNITURE, FIXTURES & EQUIPMENT
FGL	FIBERGLASS
FH	FIRE HYDRANT
FIN	FINISH/FINISHED
FIXT	FIXTURE
FLR	FLOOR
FLG	FLOORING
FP	FIRE PROTECTION
FR	FIRE RATING / FIRE RESISTANCE
FRP	FIBERGLASS REINFORCED PLASTIC
FRT	FIRE RETARDANT TREATED
FTG	FOOTING
G	
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFRC	GLASS-FIBER REINFORCED CONCRETE
GFRG	GLASS-FIBER REINFORCED GYPSUM
GL	GLASS
GR	GRADE
GYP	GYPSUM

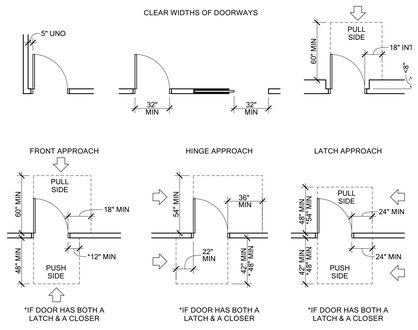
H	
H	HIGH / HEIGHT
HB	HOSE BIBB
HC	HOLLOW CORE
HD	HAND DRYER
HDR	HEADER
HDW	HARDWARE
HDWD	HARDWOOD
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HP	HIGH POINT
HT	HEIGHT
HVAC	HEATING, VENTILATING, & AIR CONDITIONING
HW	HOT WATER PIPING
I	
ID	INSIDE DIAMETER / DIMENSION
INCL	INCLUDE/INCLUDING
INSUL	INSULATION
INT	INTERIOR
INV	INVERT
J	
J-BOX	JUNCTION BOX
JT	JOINT
L	
LAM	LAMINATED
LAV	LAVATORY
LF	LINEAR FEET
LH	LEFT HAND
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LP	LOW POINT
LT	LIGHT
M	
MATL	MATERIAL
MAU	MAKE-UP AIR UNIT
MAX	MAXIMUM
MDF	MEDIUM DENSITY FIBERBOARD
MDO	MEDIUM DENSITY OVERLAY
MECH	MECHANICAL
MEMB	MEMBRANE
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS

M (CONT)	
MO	MASONRY OPENING
MP	METAL PANEL
MTD	MOUNTED
MTL	METAL
MULL	MULLION
N	
NIC	NOT-IN-CONTRACT
NOM	NOMINAL
NRC	NOISE REDUCTION COEFFICIENT
NSMF	NON-STRUCTURAL METAL FRAMING
NTS	NOT-TO-SCALE
O	
OC	ON CENTER
OCC	OCCUPY / OCCUPANTS
OD	OUTSIDE DIAMETER
OF	OWNER FURNISHED
OH	OVERHEAD
OI	OWNER INSTALLED
OPNG	OPENING
OPP	OPPOSITE
ORD	OVERFLOW ROOF DRAIN
P	
PB	PUSH BUTTON
PC	PRECAST
PCF	POUNDS PER CUBIC FOOT
PERF	PERFORATED
PERIM	PERIMETER
PERP	PERPENDICULAR
PLAM	PLASTIC LAMINATE
PLBG	PLUMBING
PLF	POUNDS PER LINEAR FOOT
PNL	PANEL
PREFAB	PREFABRICATED
PREFIN	PREFINISHED
PRKG	PARKING
PROJ	PROJECT
PROP	PROPERTY
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PAINT
PTR	PRESERVATIVE TREATED
PVG	PAVING
PWD	PLYWOOD
PWR	POWER

Q	
QT	QUARRY TILE
QTB	QUARRY TILE BASE
QTF	QUARRY TILE FLOOR
QTY	QUANTITY
R	
RAD	RADIUS
RBR	RUBBER
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REC	RECESSED
RECPT	RECEPTACLE
RECT	RECTANGLE/RECTANGULAR
REF	REFRIGERATOR
REINF	REINFORCE
REQD	REQUIRED
RESIL	RESILIENT
RFG	ROOFING
RH	RIGHT HAND
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RTF	RUBBER TILE FLOOR
RTU	ROOF TOP UNIT
RWB	RESILIENT WALL BASE
S	
SAFB	SOUND ATTENUATION FIRE BLANKET
SAFM	SPRAY-APPLIED FIRE-RESISTIVE MATERIAL
SAN	SANITARY
SC	SOLID CORE
SCHED	SCHEDULE
SCRN	SCREEN
SCWD	SOLID CORE WOOD
SD	SMOKE DETECTOR
SF	SQUARE FEET
SHT	SHEET
SIM	SIMILAR
SM	SHEET METAL
SPEC	SPECIFICATIONS
SPKLR	SPRINKLER
SPKR	SPEAKER
SS	SOLID SURFACE
SSR	STANDING SEAM ROOF
SST	STAINLESS STEEL
STC	SOUND TRANSMISSION CLASS
STL	STEEL
STRUCT	STRUCTURAL
SURF	SURFACE
SUSP	SUSPEND / SUSPENDED

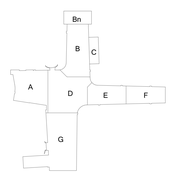
T	
T&G	TONGUE AND GROOVE
T&B	TOP AND BOTTOM
TB	TERRAZO BASE
TD	TRENCH DRAIN
TEMP	TEMPORARY
TER	TERRAZZO
TG	TRANSFER GRILLE
THK	THICK/ THICKNESS
TME	TO MATCH EXISTING
TO	TOP OF
TOC	TOP OF CURB / CONCRETE
TSTAT	THERMOSTAT
TYP	TYPICAL
U	
UG	UNDERGROUND
UH	UNIT HEATER
UL	UNDERWRITER'S LABORATORY
UNFIN	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
V	
VAR	VARIATION / VARIES / VARIOUS
VAV	VARIABLE AIR VOLUME
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL/ VERTICALLY
VIF	VERIFY IN FIELD
VNR	VENEER
VWC	VINYL WALL COVERING
W	
W	WIDTH
W/	WITH
W/O	WITHOUT
WB	WOOD BASE
WBL	WOOD BLOCKING
WC	WATER CLOSET
WCO	WALL CLEAN OUT
WD	WOOD
WH	WATER HEATER
WM	WATER METER
WP	WORKING POINT
WT	WEIGHT
WWF	WELDED WIRE FABRIC

DOOR CLEARANCE REQUIREMENTS



THE COLLAB ORATIVE +ACOCK

BRANDON ANDRZEJ KARAS 2101233 REGISTERED ARCHITECT STATE OF OHIO



KEY PLAN
N.T.S.

PROJECT TITLE

Oscoda Area Schools

Oscoda High School Misc Renovation

3550 E River Rd,
Oscoda Township,, MI 48750

08.15.2025	CONSTRUCTION DOCUMENTS
07.18.2025	DD ISSUANCE

TC JOB NO. 107348

OWNER JOB NO. #Client Custom

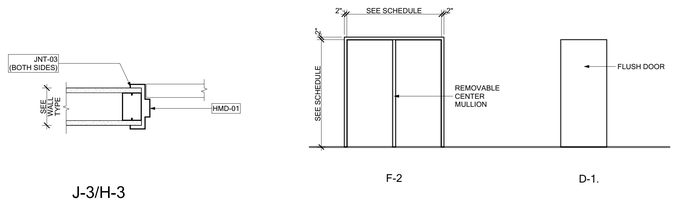
SHEET TITLE

GENERAL INFORMATION

SHEET NO.

A0.00

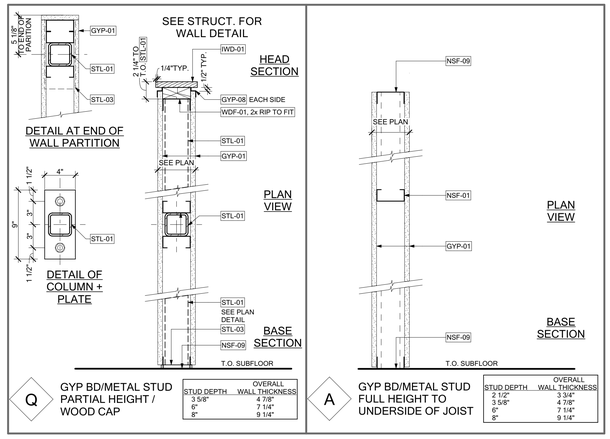
DOOR SCHEDULE												
No.	SIZE	EL	MATL	FIN	FRAME			H	J	HDW FUNC	FIRE RATING	REMARKS
					EL	MATL	FIN					
267B	6'-0"x7'-0"	D-1	SCWD	PT	F-2	HM	PT	H3	J3	-	-	DOOR TO HAVE 3/4" UNDERCUT FOR AIRFLOW

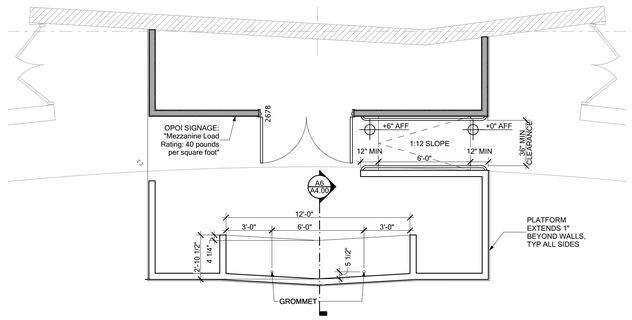


J-3/H-3 F-2 D-1.

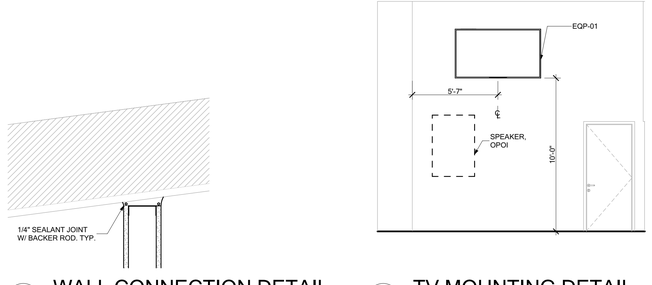
F8 DOOR/FRAME JAMBS
SCALE: 1 1/2"= 1'-0"

F7 DOOR/FRAME ELEVATIONS
SCALE: 1/4" = 1'-0"



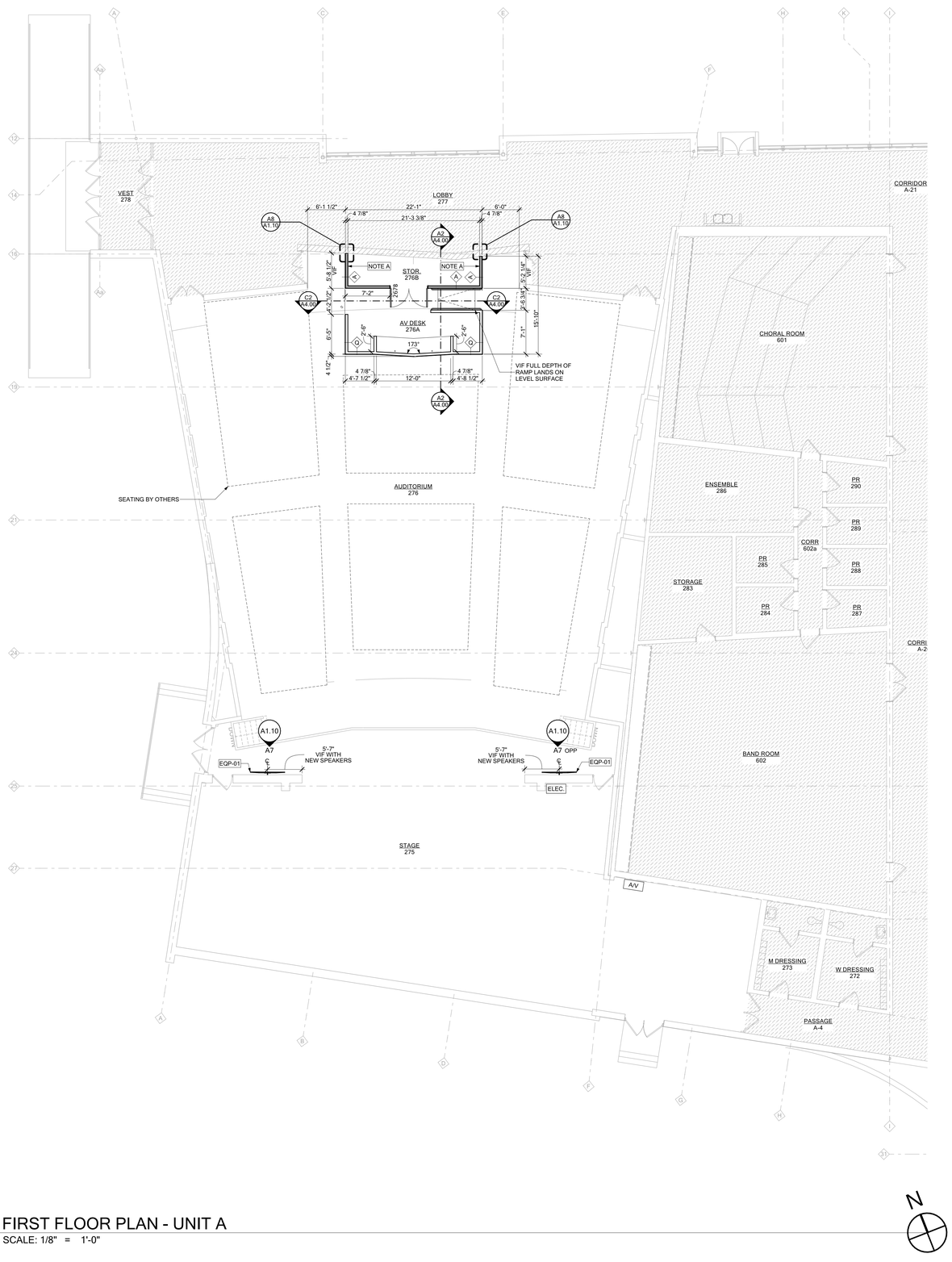


B7 ENLARGED AV DESK PLAN
SCALE: 1/4" = 1'-0"



A8 WALL CONNECTION DETAIL
SCALE: 1 1/2"= 1'-0"

A7 TV MOUNTING DETAIL
SCALE: 1/4" = 1'-0"



A2 FIRST FLOOR PLAN - UNIT A
SCALE: 1/8" = 1'-0"

PLAN GENERAL NOTES:

1. COORDINATE SIZE AND LOCATION OF ALL HOUSEKEEPING PADS AND/OR EQUIPMENT SUPPORTS WITH APPROPRIATE EQUIPMENT MANUFACTURER.
2. COORDINATE SIZES AND LOCATIONS OF ALL MISCELLANEOUS ACCESS PANELS REQUIRED. ACCESS PANELS ARE SPECIFIED ARCHITECTURALLY BUT ARE TO BE PROVIDED BY TRADES REQUIRING THEM. ALL LOCATIONS MUST BE APPROVED BY ARCHITECT PRIOR TO INSTALLATION.
3. FLOOR PLANS ARE DIMENSIONED TO ACTUAL WALL THICKNESS UNLESS OTHERWISE NOTED.
4. DIMENSIONS FOLLOWED BY ± MUST BE FIELD REVIEWED AND ALL NECESSARY ADJUSTMENTS MADE PRIOR TO FABRICATION AND/OR INSTALLATION OF AFFECTED WORK. NOTIFY ARCHITECT IF DISCREPANCIES ARISE BEFORE PROCEEDING WITH THE WORK.
5. PROVIDE INTERIOR GYPSUM BOARD CONTROL JOINTS @ 25' O.C. AT LOCATIONS SHOWN ON PLANS AND/OR INTERIOR ELEVATIONS OR AS DIRECTED BY ARCHITECT.
6. VERIFY QUANTITY, SIZES, AND LOCATIONS OF ALL FLOOR, ROOF, AND WALL OPENINGS FOR MECHANICAL AND ELECTRICAL WORK WITH THE APPROPRIATE TRADES. PROVIDE ALL OPENINGS SHOWN OR REQUIRED FOR THE COMPLETION OF THE WORK. PROVIDE ALL LINTELS REQUIRED FOR THESE OPENINGS PER SPECIFICATIONS.
7. REFER TO LS & A0 SERIES DRAWINGS FOR LOCATIONS OF REQUIRED FIRE RESISTANCE RATINGS, UL DESCRIPTIONS, AND JOINT DETAILS.
8. REFER TO FINISH PLANS FOR FLOOR FINISHES, ROOM FINISHES, AND FINISH LAYOUTS.
9. SEE REFLECTED CEILING PLANS FOR WINDOW SHADE LOCATIONS. REFER TO SPECIFICATIONS FOR REQUIREMENTS.

XX-# KEYNOTES:
(NOTE: NOT ALL NUMBERS ARE USED)

BASE: WALL BASE (SEE FINISH PLANS/LEGEND)

CLG: CEILINGS (SEE REFLECTED CEILING PLANS)

CSW: CASEWORK
- CSW-01 CABINET
- CSW-02 SHELVING
- CSW-03 COUNTERTOP
- CSW-04 SUPPORT BRACKET
- CSW-05 BACKSPLASH
- CSW-06 REMOVABLE SKIRT W/ CONCEALED FASTENERS
- CSW-07 COAT ROD
- CSW-08 FINISHED END PANEL

CTL: CERAMIC TILING
- CTL-01 TILE
- CTL-02 METAL TRIM (SEE BASE / WALL CORNERS DETAILS)
- CTL-03 BULLNOSE TILE
- CTL-04 TILE WALL BASE

EQP: EQUIPMENT
- EQP-01 MONITOR (OPOI)

SSU: SOLID SURFACE
- SSU-01 SOLID SURFACE MATERIAL, SEE FINISH SCHEDULE

TLT: TOILET PARTITIONS AND ACCESSORIES
- TLT-01 TOILET / URINAL PARTITION
- TLT-02 PLUMBING PIPING PROTECTION

WDF: ROUGH WOOD FRAMING (FRT UNO)
- WDF-01 WOOD BLOCKING

WFN: WOOD FINISH CARPENTRY
- WFN-01 WOOD TRIM
- WFN-02 WOOD VENEER TRIM PANEL

NOTE A: CORRIDNATE IN WALL BLOCKING W/ OWNER FOR FUTURE WALL MOUNTED SHELVING

XX-# KEYNOTES:
(NOTE: NOT ALL NUMBERS ARE USED)

DEK: METAL DECKING
- DEK-01 STEEL DECKING

FST: FIRE STOPPING, SEALANTS, AND RESISTIVE MATERIALS
- FST-01 FIRESTOPPING
- FST-02 FIRE SEALANT
- FST-03 SPRAY-APPLIED FIRE-RESISTIVE MATERIAL
- FST-04 INTUMESCENT COATING

GYP: GYPSUM BOARD ASSEMBLIES
- GYP-01 GYPSUM BOARD (5/8" UNO)
- GYP-02 GLASS MAT-FACED GYPSUM BOARD (5/8" UNO)
- GYP-03 CONTROL JOINT
- GYP-04 CORNER BEAD
- GYP-05 J-BEAD
- GYP-06 F-REVEAL
- GYP-07 U-REVEAL
- GYP-08 Z-REVEAL
- GYP-09 CEMENT BACKER BOARD (5/8" UNO)

INS: INSULATION
- INS-01 RIGID INSULATION BOARD
- INS-02 SPRAYED-FOAM INSULATION
- INS-04 ACOUSTICAL BATT INSULATION
- INS-05 MINERAL WOOL FIRESAFING INSULATION

JNT: JOINT SEALANTS
- JNT-01 JOINT SEALANT
- JNT-02 BACKER ROD
- JNT-03 ACOUSTICAL SEALANT

MAS: MASONRY
- MAS-02 CONCRETE MASONRY UNIT
- MAS-09 GROUT
- MAS-12 SOLID CONCRETE MASONRY UNIT
- MAS-13 CMU BOND BEAM

NSF: NON-STRUCTURAL METAL FRAMING
- NSF-01 NON-STRUCTURAL METAL FRAMING (3 5/8" UNO)
- NSF-02 NON-STRUCTURAL DEFLECTION TRACK
- NSF-03 HAT CHANNEL FURRING (1 1/2" UNO)
- NSF-04 RESILIENT CHANNEL FURRING
- NSF-05 Z-FURRING
- NSF-06 NON-STRUCTURAL CLIP ANGLE
- NSF-07 SHAFT WALL FRAMING
- NSF-08 J-TRACK
- NSF-09 FRAMING TRACK

RNF: REINFORCING STEEL
- RNF-01 REINFORCING BAR
- RNF-02 WELDED WIRE MESH

SSU: SOLID SURFACE
- SSU-01 SOLID SURFACE MATERIAL, SEE FINISH SCHEDULE

INTERIOR WOOD (IWD):
- IWD-01 INTERIOR WOOD CAP, SEE FINISH SCHEDULE

WDF: ROUGH WOOD FRAMING (FRT UNO)
- WDF-01 WOOD BLOCKING

WALL TYPE GENERAL NOTES:

GENERAL
1. PROVIDE INTERIOR GYPSUM BOARD CONTROL JOINTS AT 25' O.C. MAXIMUM, AT LOCATIONS SHOWN ON DRAWINGS, AND AS OTHERWISE DIRECTED BY ARCHITECT.

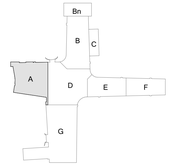
FRAMING
2. ALL NON-STRUCTURAL METAL FRAMING, INCLUDING STUDS AND FURRING, IS TO BE INSTALLED AT 16" O.C. UNLESS OTHERWISE NOTED. SHAFT WALL (CH) FRAMING IS TO BE INSTALLED AT 24" O.C.
3. REFER TO SPECIFICATIONS FOR MINIMUM NON-STRUCTURAL FRAMING BASE METAL THICKNESSES AND STUD REQUIREMENTS FOR LOCATIONS WITH TILE FINISHES AND WALL-MOUNTED CASEWORK AND EQUIPMENT.

FINISHING
4. REFER TO FINISH PLANS FOR FLOOR FINISHES, WALL FINISHES, AND FINISH LAYOUTS.
5. REFER TO FINISH PLANS AND SPECIFICATIONS FOR LOCATIONS WHERE LEVEL 5 GYPSUM BOARD FINISHING IS REQUIRED.
6. PROVIDE TILE BACKER BOARD PER SPECIFICATIONS IN LIEU OF GYPSUM BOARD AT LOCATIONS TO RECEIVE TILE WALL FINISH. IF TILE IS TO BE INSTALLED AT FIRE-RESISTANCE RATED WALLS, BACKER BOARD MUST BE AN APPROVED PRODUCT LISTED IN THE IDENTIFIED UL ASSEMBLY.
7. REFER TO PLANS FOR LOCATIONS OF ABUSE- / IMPACT-RESISTANT GYPSUM BOARD TO BE USED IN LIEU OF GYPSUM BOARD SHOWN ON ASSEMBLIES ON THIS SHEET. IF SUBSTITUTION OCCURS AT FIRE-RESISTANCE RATED WALLS, ABUST- / IMPACT- RESISTANT GYPSUM BOARD MUST BE AN APPROVED PRODUCT LISTED IN THE IDENTIFIED UL ASSEMBLY.

FIRE-RESISTANCE RATED ASSEMBLIES
8. ALL UL LISTED ASSEMBLIES ON THIS SHEET ARE BASIS OF DESIGN ASSEMBLIES. ALL MATERIALS INSTALLED IN THESE ASSEMBLIES MUST MATCH THE PRODUCTS LISTED IN THE UL DESCRIPTIONS. ANY DEVIATIONS FROM THE MATERIALS LISTED IN THE BASIS OF DESIGN ASSEMBLIES MUST BE SUBMITTED WITH AN EQUIVALENT TESTED ASSEMBLY NUMBER AND APPROVED BY THE ARCHITECT PRIOR TO CONSTRUCTION.
9. AT ALL FIRE-RESISTANCE RATED ASSEMBLIES, A UL-LISTED FIRE-RESISTIVE HEAD JOINT DETAIL MUST BE SELECTED BASED ON CONSTRUCTION OF WALL AND OVERHEAD STRUCTURE. DETAIL AND LISTING MUST BE SUBMITTED TO AND APPROVED BY ARCHITECT PRIOR TO CONSTRUCTION. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

THE COLLABORATIVE +ACOCK

STATE OF OHIO · BRANDON ANDRZEJEWSKI · 2018033 · REGISTERED ARCHITECT



KEY PLAN N.T.S.

PROJECT TITLE

Oscoda Area Schools

Oscoda High School Misc Renovation

3550 E River Rd,
Oscoda Township,, MI 48750

08.15.2025	CONSTRUCTION DOCUMENTS
07.18.2025	DD ISSUANCE

TC JOB NO. 107348

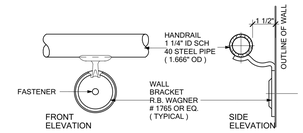
OWNER JOB NO. #Client Custom

SHEET TITLE

FIRST FLOOR PLAN - UNIT A, WALL TYPES, & DOOR SCHEDULE

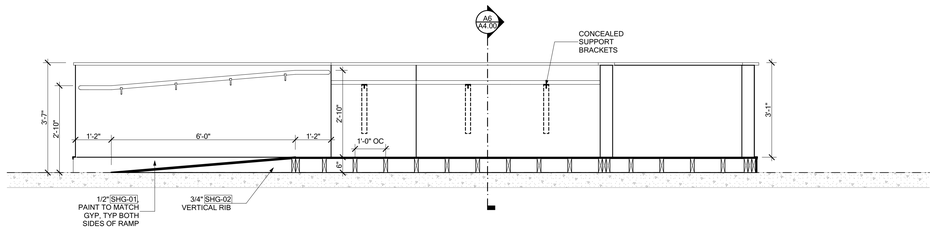
SHEET NO.

A1.10



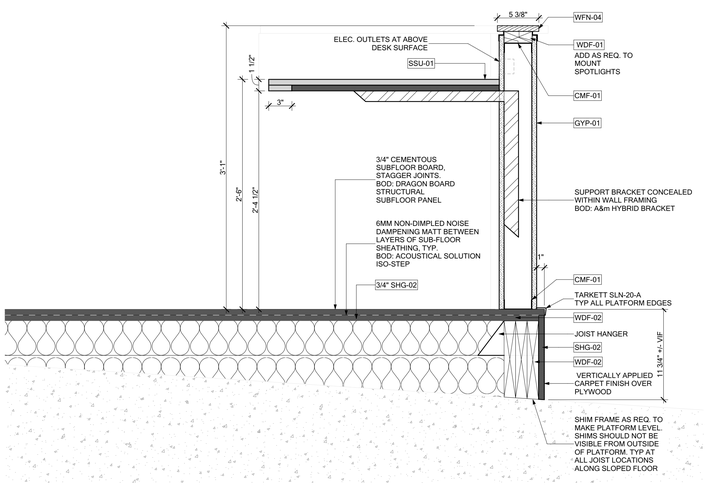
E4 HANDRAIL WALL BRACKET DETAIL

SCALE: 3" = 1'-0"



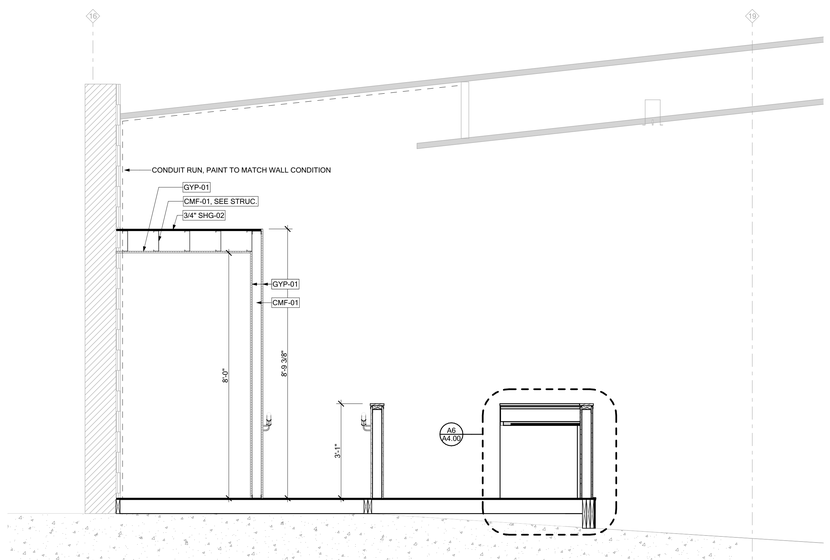
C2 AV DESK SECTION

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



A6 ELEVATED PLATFORM DETAIL

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



A2 AV DESK SECTION

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

KEYNOTES:

(NOTE: NOT ALL NUMBERS ARE USED)

CLG: CEILINGS
CLG-01 SEE REFLECTED CEILING PLANS A7.00 SERIES SHEETS

CMF: COLD-FORMED METAL FRAMING (DELEGATED DESIGN)
CMF-01 COLD-FORMED METAL FRAMING
CMF-02 COLD-FORMED DEFLECTION TRACK
CMF-03 COLD-FORMED CLIP ANGLE
CMF-04 COLD-FORMED BOX HEADER

FLR: FLOORING - SEE FINISH PLANS
FLR-01 CARPET

GYP: GYPSUM BOARD ASSEMBLIES
GYP-01 GYPSUM BOARD
GYP-02 GLASS MAT-FACED GYPSUM BOARD
GYP-03 CONTROL JOINT
GYP-04 CORNER BEAD
GYP-05 J-BEAD
GYP-06 F-REVEAL
GYP-07 U-REVEAL
GYP-08 Z-REVEAL
GYP-09 CEMENT BACKER BOARD

HMD: HOLLOW METAL DOORS AND FRAMES
HMD-01 HOLLOW METAL DOOR FRAME
HMD-02 HOLLOW METAL WINDOW OPENING
HMD-03 HOLLOW METAL DOOR

JNT: JOINT SEALANTS
JNT-01 JOINT SEALANT
JNT-02 BACKER ROD & SEALANT
JNT-03 ACOUSTICAL SEALANT
JNT-04 PREFORMED JOINT SEAL
JNT-05 BUILDING EXPANSION JOINT ASSEMBLY

MAS: MASONRY (GENERAL)
MAS-01 BRICK MASONRY
MAS-02 CONCRETE MASONRY UNIT
MAS-03 DECORATIVE CMU VENEER
MAS-04 FLASHING
MAS-05 VENEER ANCHOR
MAS-06 MASONRY WEEP, 24" O.C.
MAS-07 PRESSURE EQUALIZATION VENT, 24" O.C.
MAS-08 CAVITY DRAINAGE MATERIAL
MAS-09 GROUT
MAS-10 PREFORMED MASONRY CONTROL JOINT
MAS-11 LINTEL
MAS-12 SOLID CONCRETE MASONRY UNIT
MAS-13 CMU BOND BEAM
MAS-14 CMU FLASHING PAN
MAS-15 FLASHING TERMINATION BAR

NSF: NON-STRUCTURAL METAL FRAMING
NSF-01 NON-STRUCTURAL METAL FRAMING
NSF-02 NON-STRUCTURAL DEFLECTION TRACK
NSF-03 HAT CHANNEL FURRING
NSF-04 RESILIENT CHANNEL FURRING
NSF-05 Z-FURRING
NSF-06 NON-STRUCTURAL CLIP ANGLE
NSF-07 SHAFT WALL FRAMING
NSF-08 J-TRACK
NSF-09 FRAMING TRACK

SHG: SHEATHING
SHG-01 FIBERGLASS MAT GYPSUM SHEATHING
SHG-02 PLYWOOD SHEATHING (FRT UNO)
SHG-03 NAIL BASE SHEATHING

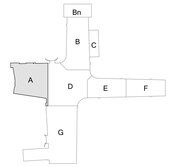
SSU: SOLID SURFACE
SSU-01 SOLID SURFACE MATERIAL, SEE FINISH SCHEDULE

WFN: WOOD FINISH CARPENTRY
WFN-01 WOOD TRIM
WFN-02 WOOD VENEER SURFACE
WFN-03 WOOD BASE
WFN-04 5/4 HARDWOOD

WDF: ROUGH WOOD FRAMING (FRT UNO)
WDF-01 WOOD BLOCKING
WDF-02 WOOD FRAMING (2X4 UNO)
WDF-03 WOOD FURRING

THE COLLABORATIVE +ACOCK

STATE OF MICHIGAN
BRANDON L. ANDRZEJCZAK
LICENSED ARCHITECT



KEY PLAN
N.T.S.

PROJECT TITLE

Oscoda Area Schools

Oscoda High School Misc Renovation

3550 E River Rd,
Oscoda Township,, MI 48750

08.15.2025	CONSTRUCTION DOCUMENTS
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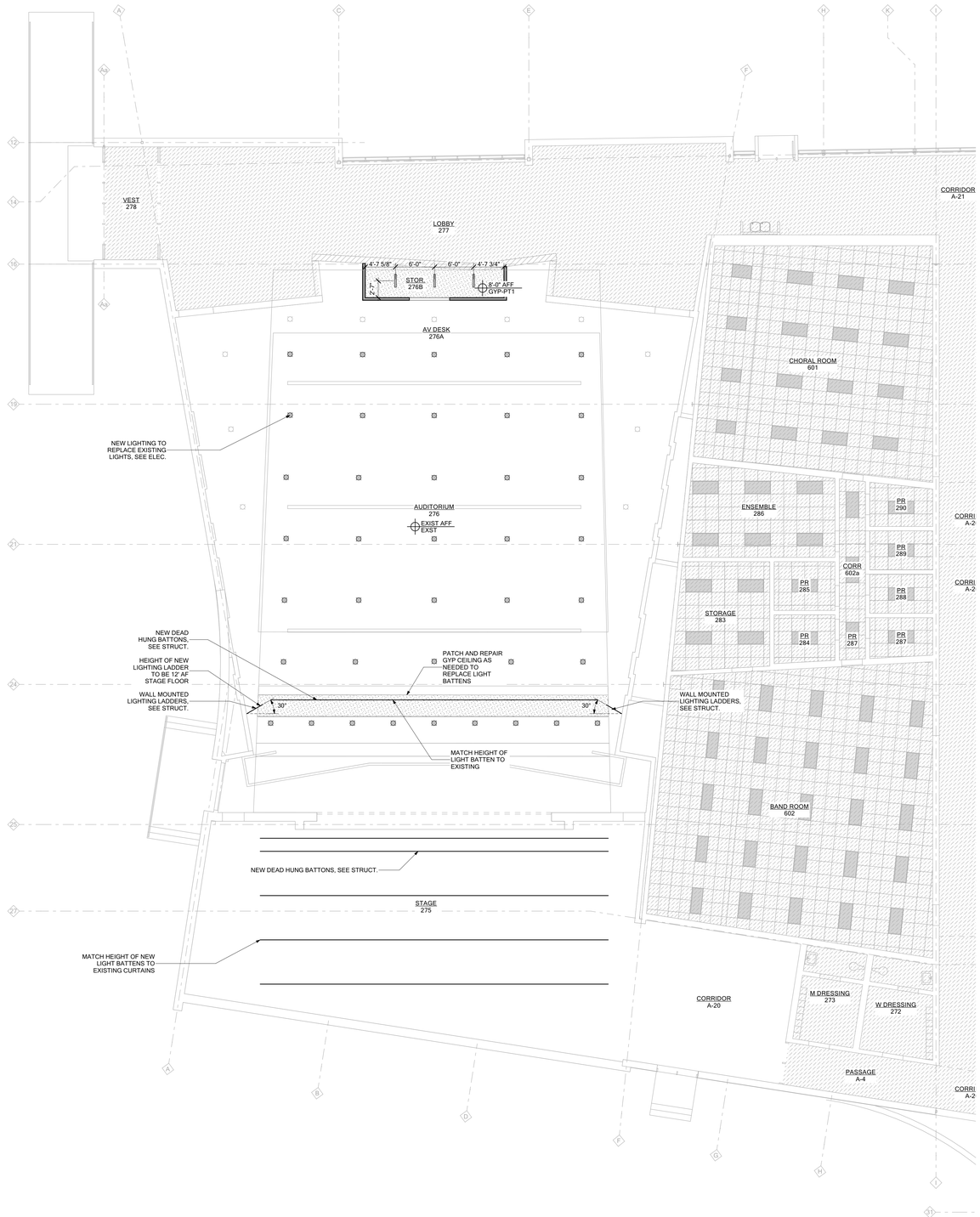
SHEET TITLE

BUILDING SECTIONS

SHEET NO.

A4.00



A2 FIRST FLOOR REFLECTED CEILING PLAN - UNIT A

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

CEILING LEGEND

REFER TO THE FOLLOWING TAG FOR CEILING TYPE & BOTTOM ELEVATION INFORMATION FOR EACH ROOM OR ELEMENT UNLESS OTHERWISE NOTED.

9'-0" — CEILING HEIGHT AS MEASURED TO BOTTOM OF ELEMENT

GYP-01 — CEILING TYPE/FINISH

CEILING GENERAL NOTES

1. REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION ON MATERIALS AND CONSTRUCTION.
2. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR FIXTURE TYPES AND ADDITIONAL INFORMATION PERTAINING TO MECHANICAL AND ELECTRICAL WORK.
3. COORDINATE SIZE AND LOCATION OF ALL ACCESS PANELS WITH TRADE REQUIRING THE SAME. ACCESS PANELS ARE SPECIFIED ARCHITECTURALLY BUT ARE REQUIRED TO BE PROVIDED BY TRADE. INDICATE ALL LOCATIONS WITHIN FIXED GYPSUM BOARD CEILINGS BEFORE INSTALLATION OF GYPSUM BOARD AND RECEIVE WRITTEN APPROVAL FROM ARCHITECT BEFORE PROCEDING WITH INSTALLATION.
4. COORDINATE INSTALLATION OF CEILING SUSPENSION SYSTEMS WITH OTHER CEILING SPACE EQUIPMENT SUPPORTS.
5. ALL SMOKE BARRIER PARTITIONS, HORIZONTAL EXIT ENCLOSURES AND FIRE RATED PARTITIONS THAT EXTEND TO DECK ABOVE SHALL BE MARKED EVERY 20'-0" HORIZONTALLY WITHIN THE CEILING SPACE: "FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS."
6. ALL GYPSUM BOARD FASCIAS AT SOFFITS ADJACENT TO ACOUSTICAL PANEL CEILINGS SHALL EXTEND 6"MINIMUM ABOVE ACOUSTICAL PANEL CEILINGS.
7. PROVIDE WOOD BLOCKING ABOVE GYPSUM BOARD CEILINGS AS REQUIRED FOR MISCELLANEOUS SUSPENDED ITEMS, INCLUDING CURTAIN TRACKS, WINDOW SHADES, ACOUSTICAL BAFFLES, ETC.
8. CENTER ALL SPRINKLER HEADS IN CEILING PANELS UNLESS SHOWN OTHERWISE.
9. CONTRACTOR TO PAINT ALL NON-FINISH ELEMENTS IN AREAS NOTED AS EXP-PT TO INCLUDE, BUT NOT LIMITED TO, STRUCTURE (BEAMS, JOISTS, STRUTURAL DECK, ETC), FP/PLUMB LINES (PIPING, HANGERS, ETC), MECHANICAL DUCTWORK AND PIPING (HANGERS, STRAPPING, UNISTRUT, ETC), ELECTRICAL (CONDUITS, HANGERS, BACKBOXES, ETC), AND TECHNOLOGY (CONDUITS, HANGERS, BACKBOXES, ETC). COORDINATE WITH ARCHITECT FOR QUESTIONS RELATED TO ELEMENTS TO BE PAINTED.

CEILING FIXTURE LEGEND

NOTE: NOT ALL SYMBOLS SHOWN ARE USED ON DRAWINGS.

ELECTRICAL FIXTURES

- RECESSED TROFFER FIXTURE
- SUSPENDED INDUSTRIAL FIXTURE
- SURFACE MOUNTED FIXTURE
- PENDANT MOUNTED FIXTURE
- RECESSED DOWNLIGHT
- EXIT SIGN / LIGHT
- SPEAKER

MECHANICAL EQUIPMENT / FIXTURES

- CEILING MOUNTED CABINET UNIT HEATER
- EXHAUST / RETURN GRILLE
- SUPPLY DIFFUSER
- LINEAR SLOT DIFFUSER

MISCELLANEOUS FIXTURES

- WINDOW SHADE TO BE PROVIDED AT OPENING

CEILING MATERIAL LEGEND

- GYPSUM BOARD OR SYNTHETIC VENEER PLASTER CEILING / SOFFIT / BULKHEAD
- SUSPENDED ACOUSTICAL PANEL CEILING
- EXPOSED OR EXISTING CONSTRUCTION TO REMAIN

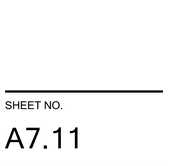
CEILING LEGEND

GYPSUM BOARD CEILINGS (GYP) - SEE FINISH PLANS FOR PAINT COLORS OR OTHER FINISHES.

GYP-PT1 — PAINTED GYP-01 (UNO) CEILING ON SUSPENDED CEILING GRID SYSTEM OR NSMF-X

THE COLLABORATIVE +ACOCK

STATE OF MICHIGAN · BRANDON ANDRZEJCZAK · 2101033 · REGISTERED ARCHITECT



KEY PLAN
N.T.S.

PROJECT TITLE

Oscoda Area Schools

Oscoda High School Misc Renovation

3550 E River Rd,
Oscoda Township,, MI 48750

08.15.2025	CONSTRUCTION DOCUMENTS
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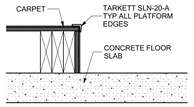
SHEET TITLE

FIRST FLOOR REFLECTED CEILING PLAN - UNIT A

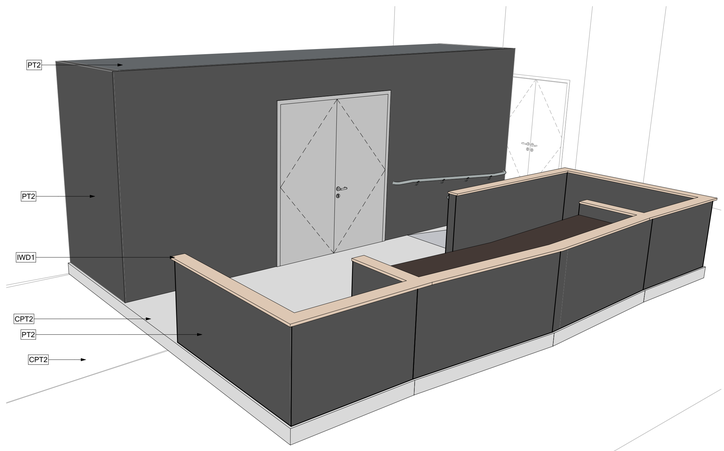
SHEET NO.

A7.11

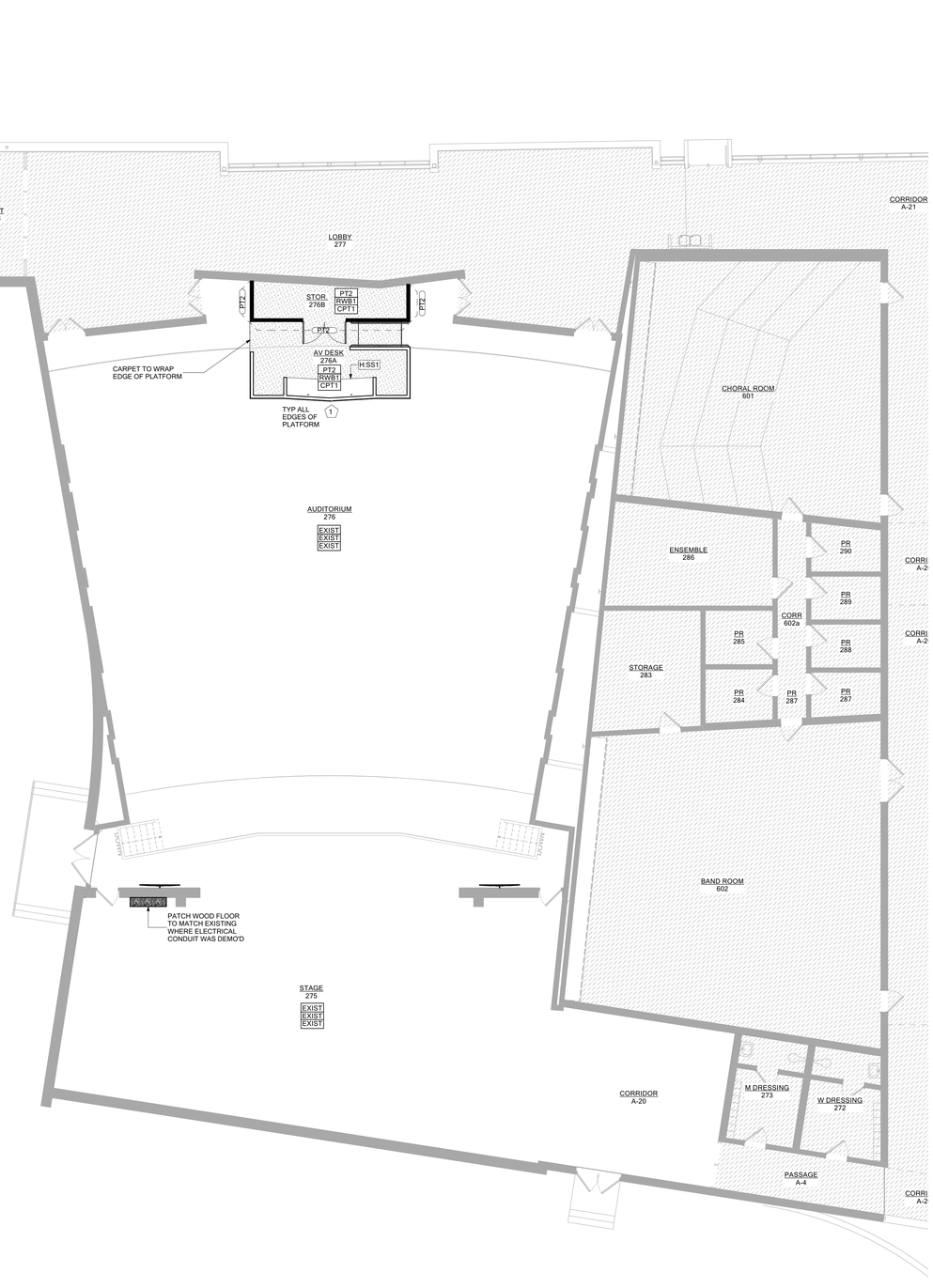


1 CARPET TO CARPET (RUBBER)
N.T.S.

G8 TRANSITION DETAIL
SCALE: 1 1/2"= 1'-0"



C6 AV DESK
SCALE: 1/8" = 1'-0"



A2 FIRST FLOOR FINISH PLAN - UNIT A
SCALE: 1/8" = 1'-0"

FINISHES LEGEND

REFER TO THE FOLLOWING TAG FOR GENERAL FLOOR FINISH, WALL BASE, AND WALL FINISH INFORMATION FOR EACH ROOM UNLESS OTHERWISE NOTED.

PT1	← WALL FINISH KEYNOTE
RWB1	← WALL BASE KEYNOTE
CC-S	← FLOOR FINISH KEYNOTE

FINISHES GENERAL NOTES

1. REFER TO REFLECTED CEILING PLANS FOR INFORMATION ON CEILING FINISHES AND WINDOW TREATMENTS.
2. REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION ON MATERIALS AND CONSTRUCTION.
3. GYPSUM BOARD THAT RECEIVES EPOXY PAINT(S) EPTX AND PAINT(S) PTX ARE TO RECEIVE A LEVEL 5 GYPSUM BOARD FINISH. SURFACES ARE TO BE SKIM COATED AND SHALL BE SMOOTH AND FREE OF TOOL MARKS AND RIDGES. REFER TO GYPSUM BOARD SPECIFICATIONS FOR ADDITIONAL INFORMATION, INCLUDING DETAILED LEVEL 5 FINISH REQUIREMENTS.
4. CONCRETE SLAB SAWCUT LOCATIONS MUST BE TRANSFERED UP TO CERAMIC FLOOR TILE AS EXPANSION JOINTS. ADDITIONAL JOINTS MAY ALSO NEED TO BE ADDED WHERE COLD JOINTS BETWEEN SLAB POURS OCCUR. IF ADDITIONAL JOINTS ARE REQUIRED, NOTIFY ARCHITECT AS ADDITIONAL EXPANSION JOINTS IN THE TILE PATTERN WILL NEED TO BE ADDED.
5. IF A MORTAR BED IS USED IN THE INSTALLATION OF CERAMIC FLOOR TILE, IT IS THE RESPONSIBILITY OF THE TILE CONTRACTOR TO ADJUST ALL FLOOR TRANSITION STRIPS WITH ADJOINING FLOOR MATERIALS DUE TO THE ADDED THICKNESS OF THE MORTAR BED. FLOOR SLABS MUST ALSO BE FEATHERED WHERE CERAMIC TILE ADJOINS AN EXPOSED CONCRETE FLOOR TO PROVIDE A THRESHOLD OF NO MORE THAN 1/2". IN AREAS WHERE FLOOR TILE SURROUNDS ARE SHOWN AROUND WALK OFF CARPETING, LEVELING COMPOUND MUST BE ADDED TO RAISE THE WALK OFF CARPET TO BE LEVEL WITH THE FLOOR TILE. CONTRACTOR TO FIELD VERIFY ALL DIFFERING CONDITIONS.
6. DOOR FRAME PAINT COLOR TO MATCH ADJACENT WALL COLOR UNO
7. ALL FLOORING TRANSITIONS MUST BE ACCESSIBLE, NOT TO EXCEED 1/2" RISE.

FINISHES SYMBOL LEGEND

NOTE: NOT ALL SYMBOLS SHOWN ARE USED ON DRAWINGS.

- CORNER GUARD (CG) / WALL END CORNER GUARD (EG)
- FLOOR DRAIN (FD)
- 1 — TRANSITION TYPE TAG (SEE TRANSITION TYPE DETAILS)
- PTX — ACCENT FINISH AT WALLS INDICATED

FLOORING MATERIAL LEGEND

- CARPET
- WALK OFF CARPET
- CERAMIC & QUARRY TILE
- VINYL COMPOSITE TILE (VCT)
- LUXURY VINYL TILE (LVT)
- RUBBER/SHEET GOOD
- CONCRETE - SEALED
- CONCRETE - GROUND/POLISHED
- CONCRETE - EPOXY PAINT

FINISH SCHEDULE

ACOUSTICAL PANEL CEILINGS (APC):

SEE REFLECTED CEILING PLANS.

CONCRETE FLOORING (CC):

CC-EPT	CONCRETE - EPOXY PAINTED
CC-P	CONCRETE - GROUND/POLISHED
CC-S	CONCRETE - SEALED

CARPET (CPT):

CPT1	OPOI

INTERIOR WOOD (IWD):

IWD1	WHITE OAK, PLAIN SAWN, SATIN VARNISH, SUBMIT STAIN SAMPLES FOR APPROVAL

PAINTS (PT) & EPOXY PAINTS (EPT):

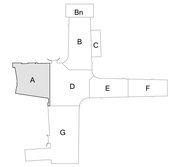
PT1	SW 7069 IRON ORE (OPOI)
PT2	SW 7019 GAUNTLET GRAY (OPOI)

RUBBER WALL BASE (RWB):

RWB1	JOHNSONITE, 63 BURNT UMBER, 4" COVE BASE

SOLID SURFACE (SS):

THE COLLABORATIVE +ACOCK



KEY PLAN
N.T.S.

PROJECT TITLE

Oscoda Area Schools

Oscoda High School Misc Renovation

3550 E River Rd,
Oscoda Township,, MI 48750

08.15.2025	CONSTRUCTION DOCUMENTS
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SHEET TITLE

FIRST FLOOR FINISH PLAN - UNIT A

SHEET NO.

A7.21

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GENERAL SPECIFICATIONS:

1. EXECUTE THE WORK REQUIRED IN A MANNER EVIDENCE BY THE "BEST TRADE PRACTICES" CONTRIBUTING TO EFFICIENCY OF OPERATION, MINIMUM MAINTENANCE, ACCESSIBILITY AND AESTHETICS OF THE INSTALLATION.
2. MECHANICAL AND ELECTRICAL PLANS ARE DIAGRAMMATIC IN NATURE, INTENDED TO INDICATE DESIGN INTENT ONLY. CONTRACTOR IS RESPONSIBLE TO COORDINATE SPECIFIC LOCATIONS OF ITEMS AND ADJUST AS REQUIRED TO ACCOMMODATE CODE REQUIREMENTS, MANUFACTURER'S INSTALLATION REQUIREMENTS, AND THE WORK OF OTHER TRADES.
3. MECHANICAL AND ELECTRICAL INFORMATION IS PRESENTED ON A REFERENCED BACKGROUND FLOOR PLAN. IN CASE OF CONFLICT BETWEEN BACKGROUND PLAN AND ARCHITECTURAL FLOOR PLAN, ARCHITECTURAL FLOOR PLAN SHALL GOVERN.
4. RUN ALL PIPING, CONDUIT, ETC. CONCEALED IN WALLS WHENEVER POSSIBLE.
5. AVOID EXPOSED INSTALLATION UNLESS SPECIFICALLY REQUIRED (TYPICAL UNLESS NOTED OTHERWISE ON DRAWINGS).
6. THE ENGINEER WILL NOT HAVE CONTROL OR CHARGE OF CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES. ENGINEER IS NOT RESPONSIBLE FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK; AND WILL NOT BE RESPONSIBLE FOR CONTRACTOR'S FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THOSE DOCUMENTS PREPARED BY THE ENGINEER.
7. ALL CONSTRUCTION SHALL BE DONE IN COMPLIANCE WITH CURRENT CODES, INCLUDING: MICHIGAN BUILDING CODES, MICHIGAN PLUMBING CODE, MICHIGAN MECHANICAL CODE, NATIONAL ELECTRICAL CODE, MICHIGAN BUILDING REHABILITATION CODE (WHEN APPLICABLE), NFPA CODES, LIFE SAFETY CODE (WHEN APPLICABLE), AMERICANS WITH DISABILITIES ACT (A.D.A.) AND MICHIGAN BARRIER FREE CODES, DEPARTMENT OF PUBLIC HEALTH CODES (WHEN APPLICABLE), AND ALL OTHER LOCAL, STATE, AND FEDERAL APPLICABLE CODES. CONTRACTOR SHALL UTILIZE THE LATEST ADOPTED EDITIONS OF ALL CODES.
8. IF BIDDING CONTRACTOR WOULD LIKE TO SUBSTITUTE ANY SPECIFIED ELECTRICAL DEVICES, LIGHT FIXTURES, CONTROLLERS, PANELS, DISCONNECTS, VFD'S, ELEC. GEAR, ETC., THEY MUST PROVIDE SUBMITTAL TYPE DRAWINGS TO THE ENGINEER A MINIMUM OF 7 DAYS PRIOR TO BIDDING THE PROJECT. IF THESE APPROVAL DRAWINGS ARE NOT SUBMITTED AND ACCEPTED, THE SPECIFIED EQUIPMENT MUST BE USED - NO EXCEPTIONS.
9. EQUIPMENT AND MATERIALS SHALL BE U.L. APPROVED.
10. SECURE PERMITS AND INSPECTIONS REQUIRED BY STATE AND LOCAL LAWS AND ORDINANCES AND PAY ALL FEES AND EXPENSES IN CONNECTION THEREWITH AS A PART OF THEIR WORK UNDER THIS CONTRACT.
11. UPON COMPLETION OF WORK, FURNISH OWNER CERTIFICATES OF FINAL INSPECTION AND APPROVAL FROM AUTHORITIES HAVING JURISDICTION.
12. ALL CONDUCTORS SHALL BEAR IDENTIFICATION AS TO SIZE AND TYPE OF INSULATION, AND SHALL BE EQUIPPED WITH WIRE MARKERS INDICATING THE CIRCUIT NUMBER, WIRE NUMBER AND/OR PHASE LETTER.
13. IDENTIFY ELECTRICAL EQUIPMENT WITH THE NAME OF THE EQUIPMENT, THE EQUIPMENT CONTROLLED OR THE SYSTEM INVOLVED. DISCONNECT SWITCHES AND MOTOR STARTERS SHALL HAVE NAMEPLATES TO INDICATE THE EQUIPMENT THEY CONTROL. FOR NEW ELECTRICAL DEVICES AS NOTED ON RISER DIAGRAM, PROVIDE LAMINATED PLASTIC NAME PLATES WITH WHITE LETTERS.
14. EXISTING LIGHTING AND RE-USED RECEPTACLE PANELS SHALL HAVE NAMEPLATES DESIGNATING THEIR NAMES AND VOLTAGE RATING, SUCH AS LP-A, 120/208 VOLT, 3 PHASE, 4 WIRE. THE NAMEPLATES SHALL BE BLACK LAMINATED PLASTIC WITH WHITE CHARACTERS. THE CHARACTERS ON THE NAMEPLATES SHALL BE 1/4" HIGH, UNLESS OTHERWISE DIRECTED IN THE FIELD. THE CHARACTERS SHALL BE ENGRAVED ON THE NAMEPLATES.
15. THE CONTRACTOR SHALL VISIT THE SITE AND SHALL FAMILIARIZE HIMSELF WITH CONDITIONS OF WHICH WILL AFFECT THE WORK HE IS TO PERFORM. THE SUBMISSION OF A PROPOSAL BY THIS CONTRACTOR SHALL BE CONCLUSIVE EVIDENCE THAT THIS CONTRACTOR HAS VISITED THE SITE AND HAS GIVEN PROPER CONSIDERATION AND EVALUATION OF THESE CONDITIONS IN THE PREPARATION OF HIS PROPOSAL. NO ALLOWANCE SHALL SUBSEQUENTLY BE MADE IN HIS BEHALF FOR EXTRA EXPENSE INCURRED DUE TO FAILURE OR NEGLECT ON HIS PART TO MAKE THIS VISIT AND EXAMINATION.
16. WHERE ACTIVE SEWERS, GAS, ELECTRIC, OR OTHER SERVICES ARE ENCOUNTERED DURING THE PERFORMANCE OF THIS CONTRACT, THE CONTRACTOR SHALL PROTECT, BRACE AND SUPPORT THEM AS REQUIRED. DO NOT PREVENT, INTERRUPT OR DISTURB OPERATION OF EXISTING SERVICES THAT ARE TO REMAIN. RELOCATE EXISTING SERVICES IF REQUIRED.
17. IN GENERAL, MOUNTING HEIGHTS ABOVE FINISHED FLOOR TO THE CENTERLINE OF BOXES AND EQUIPMENT SHALL BE AS PER AMERICANS WITH DISABILITIES ACT, AND MICHIGAN BARRIER FREE CODES.
18. MAINTAIN A MINIMUM OF 3'-0" CLEAR IN FRONT OF ALL ELECTRICAL EQUIPMENT (DISCONNECT SWITCHES, LIGHTING AND APPLIANCE AND DISTRIBUTION PANELS) FOR SERVICING PER N.E.C.
19. ALL WORK TO CONFORM TO THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE AND LOCAL REQUIREMENTS. ALSO REFERENCE ARCHITECTURAL AND KITCHEN DWG'S.
20. WIRING TO BE MINIMUM #12 (FOR RUNS OVER 100 FEET, MINIMUM #10). ALL WIRING TO BE INSTALLED IN E.M.T. (THINWALL CONDUIT).
21. DEVICE PLATES FOR SWITCHES, RECEPTACLES, TELEPHONE, COMPUTER, ETC., SHALL MATCH EXISTING AS MANUFACTURED BY PASS AND SEYMOUR, HUBBELL, OR BRYANT. ALL DEVICES TO BE SPECIFICATION GRADE. ANY OTHER COLOR OF DEVICES SHALLS BE CHOSEN BY OWNER/ARCHITECT.
22. CONTRACTOR TO OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND INSPECTIONS.
23. ALL WORK AND MATERIALS SHALL BE GUARANTEED IN WRITING FOR (1) YEAR FROM PROJECT COMPLETION.
24. WORK SHALL BE PERFORMED BY SKILLED MECHANICS WELL VERSED IN THEIR PARTICULAR TRADES.
25. RESPONSIBILITY FOR CARE AND PROTECTION OF ELECTRICAL WORK RESTS WITH THE CONTRACTOR UNTIL IS HAS BEEN TESTED AND ACCEPTED.
26. CONTRACTOR IS TO CHECK DOOR SWINGS WITH ARCHITECTURAL PLANS AND MOUNT LIGHT SWITCHES, CONTROLS, ETC., ACCORDINGLY.
27. ELECTRICAL DEVICES SHALL BE SQUARE D, SIEMENS, EATON, G.E. OR MATCH EXISTING.
28. DISCONNECT SWITCHES SHALL BE NEMA HEAVY DUTY, FUSIBLE OR NON-FUSIBLE AS NOTED ON PLANS, WITH A NEMA 3R ENCLOSURE WHERE MOUNTED OUTDOORS.
29. THE NEUTRAL CONDUCTOR OF THE WIRING SYSTEM TOGETHER WITH THE CONDUIT SYSTEM AND SERVICE EQUIPMENT SHALL BE GROUNDED AND SIZED PER NEC ARTICLE 250.
30. HOLES THROUGH WALLS OR PARTITIONS REQUIRED FOR ELECTRICAL WORK SHALL BE NEATLY CUT TO SIZE. PENETRATIONS OF FIRE RATED ASSEMBLIES SHALL BE FIRE-STOPPED BY APPROVED METHODS AND MATERIALS. NO BEAMS OR OTHER STRUCTURAL MEMBERS SHALL BE DRILLED, BURNED, OR CUT.
31. LOCATIONS OF WIRING DEVICES SUCH AS LIGHT SWITCHES, DUPLEX RECEPTACLES, THERMOSTATS, ETC., SHALL BE COORDINATED WITH OTHER TRADES.
32. IN GENERAL, ALL MOTORS ARE FURNISHED AND INSTALLED UNDER THE MECHANICAL SECTION OF THE SPECIFICATIONS. ALL STARTERS, FUSED SWITCHES, SAFETY SWITCHES, INCLUDING ALL POWER WIRING SHALL BE INSTALLED BY THE ELECTRICAL CONTRACTOR.
33. OUTLET BOXES IN THE SAME WALL BUT SERVING DIFFERENT ROOMS SHALL BE AT LEAST 4" APART TO MINIMIZE NOISE TRANSMISSION. WHEN LOCATED ON FIRE WALLS, THEY SHALL BE 24" APART.
34. OCCUPANCY AND TOGGLE SWITCHES AS WELL AS RECEPTACLES SHALL BE SPECIFICATION GRADE, COLOR TO MATCH EXISTING.
35. LIGHTING AND CONTROL WIRING SHALL BE TESTED FOR SHORTS AND OPENS AND SHALL BE GIVEN A COMPLETE OPERATIONAL TEST.
36. THE CONTRACTOR SHALL TEST ALL CIRCUITS AS SOON AS CONDUCTORS ARE INSTALLED AND MAKE FINAL TESTS WHEN ALL WORK IS COMPLETE. IF CIRCUITS ARE NOT PROPERLY CONTROLLED AND INSULATED AT TIME OF EACH FINAL TEST, THE NECESSARY REPAIRS AND TESTS SHALL BE MADE AT THE CONTRACTORS EXPENSE.
37. NO DUCTWORK IS TO RUN ABOVE THE ELECTRICAL PANELS FOR 6' ABOVE THE PANELS PER 2017 N.E.C. KEEP PANEL AREAS CLEAR FOR 36" IN FRONT OF PANELS FROM FLOOR TO TOP OF PANELS FOR SERVICING PANELS PER N.E.C. COORDINATE LOCATIONS OF M.E.P. ITEMS WITH CONTRACTORS PRIOR TO CONSTRUCTION TO ASSURE THAT CLEARANCES ARE MET. LACK OF COORDINATION BETWEEN CONTRACTORS WILL NOT RESULT IN EXTRA MONEY AWARDED FOR RELOCATION OF M.E.P. ITEMS.
38. ALL BUSSING AND WIRING TO BE COPPER. NO ALUMINUM IS ALLOWED ON THIS PROJECT.
39. CHECK FINAL LOCATIONS OF LIGHT FIXTURES AND CEILING ELECTRICAL ITEMS WITH GRILLES AND REGISTERS, CAMERAS, FANS, SPRINKLER HEADS, ETC. COORDINATE WITH RESPECTIVE CONTRACTORS PRIOR TO INSTALLATION. NO MONEY WILL BE AWARDED TO CONTRACTORS HAVING TO RELOCATE ITEMS DUE TO LACK OF COORDINATION BETWEEN CONTRACTORS. MECHANICAL AND ELECTRICAL PLANS SHOW SCHEMATIC LOCATIONS ONLY.
40. ANY DISCREPANCIES BETWEEN ARCHITECTURAL DRAWINGS AND ELECTRICAL DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER PRIOR TO INSTALLATION.
41. CONTRACTOR SHALL MAINTAIN AND KEEP AN UP-TO-DATE SET OF DRAWINGS REFLECTING "AS BUILT" CONDITIONS OF THEIR WORK. CONTRACTOR SHALL INDICATE EXACT DIMENSIONS AND ELEVATIONS FOR ALL UNDERGROUND AND/OR CONCEALED WORK. UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL DELIVER TO THE CONSTRUCTION MANAGER OR GENERAL CONTRACTOR THE AS-BUILT DRAWINGS.
42. THE WIRING METHOD(S) USED SHALL BE SUITABLE FOR THE INSTALLATION AND USE IN CONFORMITY WITH THE PROVISIONS OF THE 2017 N.E.C. LISTED OR LABELED EQUIPMENT SHALL BE USED OR INSTALLED IN ACCORDANCE WITH ANY INSTRUCTIONS INCLUDED IN THE LISTING OR LABELING. REFER TO NEC, SECTION 110-3(a) AND (b).
43. ALL NEW ELECTRICAL DEVICES AND ASSOCIATED OUTLET BOXES SHALL BE FLUSH MOUNTED UNLESS NOTED OTHERWISE. ALL CONDUIT AND WIRING SHALL BE CONCEALED. SURFACE RACEWAY AND ASSOCIATED BOXES SHALL ONLY BE PERMITTED WHERE NOTED, AND SHALL BE DISCUSSED WITH GENERAL CONTRACTOR PRIOR TO INSTALLATION.
44. THE MAIN SERVICE DISCONNECTS SHALL BE IDENTIFIED AS THE MAIN SERVICE DISCONNECTION MEANS PER N.E.C. 2017, ARTICLE 230-70B.
45. FLASH PROTECTION WARNING SHALL BE PROVIDED AT ALL ELECTRICAL PANELS PER NEC 2017, SECTION 110.16
46. FIRST CLASS WORKABLE SYSTEMS SHALL BE PROVIDED BY THE CONTRACTOR. IF, IN THE OPINION OF THE CONTRACTOR, CHANGES IN THE DRAWINGS OR SPECIFICATIONS ARE REQUIRED TO PRODUCE FIRST-CLASS WORKABLE SYSTEMS, CONTRACTOR SHALL REQUEST AN INTERPRETATION FROM THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK. IT THE CONTRACTOR FAILS TO MAKE SUCH A REQUEST, NO EXCUSE WILL THEREAFTER BE ENTERTAINED FOR FAILURE TO PROVIDE FIRST-CLASS WORKABLE SYSTEMS.
47. SHOP DRAWINGS ARE TO BE THOROUGHLY CHECKED (AND NOTED SO ON FRONT COVER) BY THE CONTRACTOR PRIOR TO SUBMITTING THEM TO THE ARCHITECT/ENGINEER. REVIEW BY THE ENGINEER, SHALL NOT BE CONSTRUED AS A COMPLETE CHECK, BUT ONLY THAT THE GENERAL METHOD OF CONSTRUCTION AND DETAILING IS SATISFACTORY. REVIEW SHALL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR ERRORS WHICH MAY EXIST. SHOP DRAWINGS ARE TO BE SUBMITTED VIA INTERNET IN PDF FORM. NO HARD COPIES WILL BE ACCEPTED.
48. CONNECT ALL EMERGENCY AND EXIT BATTERY PACKS TO NEARBY LIGHTING CIRCUITS, AHEAD OF SWITCHES PER N.E.C. SO EMERGENCY/EXIT LIGHTS OPERATE ON LOSS OF POWER.
49. MANUALS: PER ASHRAE 2013, 90.1 STANDARDS, CONSTRUCTION DOCUMENTS SHALL REQUIRE THAT AN OPERATING MANUAL AND MAINTENANCE MANUAL BE PROVIDED TO THE BUILDING OWNER. THE MANUALS SHALL INCLUDE, AT A MINIMUM, THE FOLLOWING:
    - A. SUBMITTAL DATA FOR ALL ELECTRICAL EQUIPMENT CLEARLY STATING EQUIPMENT RATING , EXACTLY WHAT MODELS, ACCESSORIES, OPTIONS ARE INSTALLED.
    - B. OPERATION MANUALS AND MAINTENANCE MANUALS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE. REQUIRED ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY IDENTIFIED.
    - C. NAMES AND ADDRESSES AND PHONE NUMBERS/EMAIL ADDRESSES FOR AT LEAST ONE QUALIFIED SERVICE AGENCY FOR EACH PIECE OF EQUIPMENT.
    - D. A COMPLETE NARRATIVE OF HOW EACH SYSTEM IS INTENDED TO OPERATE.

GENERAL NOTES:

1. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF LIGHT FIXTURES.
2. LIGHT FIXTURES SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE AND IN ACCORDANCE WITH N.E.C. AND LOCAL REQUIREMENTS.
3. CONTRACTOR SHALL FIELD VERIFY EXACT MOUNTING OF ALL EXIT LIGHTS PRIOR TO ORDERING.
4. EMERGENCY LIGHT FIXTURES SHALL BE CONTROLLED WITH NORMAL ROOM OR AREA LIGHTING VIA 924 INC. EMERGENCY CONTROL MODULE.
5. PROVIDE ALL BRANCH CIRCUIT WIRING REVISIONS AND CONNECTIONS REQUIRED TO ACCOMMODATE LIGHTING REVISIONS INDICATED OR SPECIFIED.
6. PROVIDE AN UNSWITCHED HOT TO ALL EMERGENCY BATTERY PACKS AND EXIT SIGNS. CONNECT TO THE SAME CIRCUIT AS THE NORMAL LIGHTING SERVING THE SURROUNDING AREA AHEAD OF ANY SWITCHING/CONTROLS.
7. ALL BRANCH CIRCUITS SHALL HAVE A DEDICATED NEUTRAL CONDUCTOR AND GROUND CONDUCTOR. PROVIDE ADDITIONAL NEUTRAL CONDUCTOR WHERE REQUIRED.
8. MC CABLE MAY ONLY BE USED FOR FINAL CONNECTION TO LIGHT FIXTURES 6'-0" LENGTH MAX. BRANCH CIRCUIT HOME RUNS SHALL BE IN EMT.
9. CONDUITS LOCATED IN FINISHED AREAS MUST BE RECESSED IN WALLS OR LOCATED ABOVE FINISH CEILINGS. SURFACE MOUNTED CONDUIT WILL NOT BE ALLOWED UNLESS NOTED OTHERWISE.
10. JUNCTION BOXES SERVING BRANCH CIRCUIT WIRING SHALL BE LABELED WITH CIRCUITS BEING SERVED. USE INDELIBLE MARKER ON BOX COVER.
11. PROVIDE LABELS ON NEW LIGHT SWITCHES WITH CIRCUIT NUMBER AND PANEL DESIGNATION LOCATED IN AREA AFFECTED BY NEW SCOPE OF WORK.
12. REUSE BRANCH CIRCUITS MADE AVAILABLE FROM DEMOLITION. EXISTING LIGHTING CIRCUITS SHALL BE EXTENDED TO NEW LIGHTING FIXTURES AND ROOM CONTROLLERS (POWER PACKS). IDENTIFY UN-USED LIGHTING CIRCUITS AND REMOVE COMPLETE TO ELECTRICAL PANEL.
13. CIRCUIT NUMBERS INDICATED ON PLAN DO NOT INDICATE ACTUAL CIRCUIT BREAKERS POLE POSITION IN PANEL, BUT REPRESENT ITEMS GROUPED ON SAME CIRCUIT.
14. PROVIDE AS-BUILT DRAWINGS INDICATING ALL ACTUAL LIGHTING CIRCUITS.
15. FIELD VERIFY ALL PANELS AND EXISTING CIRCUITING SERVING EXISTING AND NEW LIGHT FIXTURES.
16. PROVIDE NEW TYPE WRITTEN PANEL LEGENDS FOR ALL PANELS AFFECTED BY NEW SCOPE OF WORK.
17. VERIFY DEVICE & COVERPLATE COLORS WITH ARCHITECT PRIOR TO THE START OF CONSTRUCTION.
18. LIGHT SWITCHES ON THIS PLAN SHALL BE NEW, UNLESS OTHERWISE NOTED.
19. WHERE MULTIPLE SWITCHES ARE GROUPED TOGETHER, PROVIDE A SINGLE SHARED COVERPLATE.
20. FOR LIGHTING CONTROL AND OCCUPANCY SENSOR REQUIREMENTS, REFER TO SPECIFICATIONS.
21. OCCUPANCY SENSORS AND POWER PACKS SHALL BE RATED FOR THE LOAD INDICATED TO BE SERVED. PROVIDE MULTIPLE POWER PACKS WHERE REQUIRED.
22. MAINTAIN MANUFACTURER RECOMMENDED SPACING BETWEEN OCCUPANCY SENSORS AND HVAC DEFFUSERS AND FANS. ADJUST LOCATIONS AS REQUIRED.
23. UNLESS NOTED OTHERWISE, CONDUCTORS SHALL BE #12 AWG MINIMUM.
24. SEE ORIGINAL BUILDING DRAWINGS FOR EXISTING CIRCUIT LOCATIONS.
25. PROVIDE BLANK COVERPLATE FOR UN-USED WALL SWITCH BOXES.
26. PROVIDE UPDATED TYPE WRITTEN PANEL DIRECTORIES REFLECTING CIRCUIT CHANGES.
27. LIQUID TIGHT FLEXIBLE CONDUIT MAY ONLY BE USED FOR FINAL CONNECTION TO MOTORIZED EQUIPMENT 6'-0" LENGTH MAXIMUM.
28. EXTERIOR CONDUITS SHALL BE RIGID GALVANIZED STEEL (RGS) CONDUIT.
29. WHERE UNGROUNDED CONDUCTORS ARE INCREASED IN SIZE FROM THE MINIMUM SIZE THAT HAS SUFFICIENT AMPACITY FOR THE INTENDED INSTALLATION, WIRE-TYPE EQUIPMENT GROUNDING CONDUCTORS, WHERE INSTALLED, SHALL BE INCREASED IN SIZE PROPORTIONATELY ACCORDING TO THE CIRCULAR MIL AREA OF THE UNGROUNDED CONDUCTORS PER NEC 250.122(B).
30. ROOF PENETRATIONS SERVING MECHANICAL EQUIPMENT SHALL BE ROUTED THRU THE EQUIPMENT CURB AND COORDINATED WITH MECHANICAL TRADES.

GENERAL DEMOLITION NOTES:

1. EXISTING EQUIPMENT LAYOUT IS SCHEMATIC. EXACT LOCATION OF EXISTING EQUIPMENT SHALL BE COORDINATED WITH BUILDING STRUCTURE, EQUIPMENT FURNISHED, ARCHITECTURAL DRAWINGS AND ALL OTHER TRADES PRIOR TO DEMOLITION.
2. DEMOLITION SHALL BE APPROVED BY THE OWNER PRIOR TO COMMENCEMENT AND SHALL BE PERFORMED UNDER REQUIREMENTS AND APPROVAL OF THE LOCAL CODE JURISDICTIONS.
3. PROTECT ALL EXISTING WORK WHICH IS TO REMAIN AND RESTORE IN AN APPROVED MANNER ANY SUCH WORK WHICH BECOMES DAMAGED. THIS INCLUDES BUT NOT LIMITED TO CEILING PROJECTORS, POWER POLES, WIFI ACCESS POINTS AND SMOKE DETECTORS.
4. DEMOLITION CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT BUILDING REPRESENTATIVE TO CLARIFY ANY ITEMS NOT SHOWN ON THESE DOCUMENTS OR SHOWN NOT MATCHING FIELD CONDITIONS.
5. ELECTRICAL CONTRACTOR SHALL EXAMINE THE PROJECT DOCUMENTS AND VISIT THE SITE AS THEY DEEM NECESSARY PRIOR TO SUBMITTING A BID. DO NOT RELY SOLELY ON THE ELECTRICAL PLANS FOR ALL DEMOLITION REQUIREMENTS. REVIEW ALL PROJECT DOCUMENTS PRIOR TO SUBMITTING A BID. IF A DEPARTURE FROM THE DESIGN INTENT OF THE DOCUMENTS IS REQUIRED DUE TO THE ACTUAL FIELD CONDITIONS OBSERVED BY THE CONTRACTOR, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING FOR RESOLUTION PRIOR TO SUBMITTING FINAL BID OR ENTERING INTO A CONTRACT FOR CONSTRUCTION. FAILURE TO PROVIDE THE ARCHITECT WITH NOTIFICATION SHALL RESULT IN THE CONTRACTOR BEING HELD RESPONSIBLE TO COMPLETE ALL WORK TO MEET THE DESIGN INTENT WITH NO ADDITIONAL COST BEING INCURRED BY THE OWNER.
6. THE DEMOLITION INFORMATION IS PROVIDED TO ASSIST WITH LABOR COSTS ASSOCIATED WITH THE ELECTRICAL SYSTEMS REMOVAL. THE DEMOLITION CONTRACTOR WILL REMOVE ELECTRICAL COMPONENTS AS NOTED, BUT NOT LIMITED TO THE DRAWINGS.
7. VERIFY EXTENT OF DEMOLITION WORK WITH INFORMATION SHOWN IN THE DRAWINGS AND WORK THAT IS NOT SHOWN AND MAY BE REQUIRED TO COMPLETE THE INTENDED WORK.
8. ALL WORK SHALL COMPLY WITH REQUIRED LOCAL CODES. CONTRACTOR IS RESPONSIBLE FOR OBTAINING REQUIRED PERMITS AND INSPECTIONS FOR ALL WORK ASSOCIATED WITH THIS CONTRACT.
9. CONTRACTOR SHALL REPAIR ALL DISTURBED AREAS AS REQUIRED TO MATCH SURROUNDING EXISTING FINISHES NOT DISTURBED.
10. IN EXISTING AREAS, RENOVATION AND DEMOLITION WORK SHALL BE ACCOMPLISHED WITH MINIMAL DISRUPTION TO OPERATIONS. IF REQUIRED, THE OWNER RESERVES THE RIGHT TO TEMPORARILY STOP WORK OF SPECIFIC CONSTRUCTION OPERATIONS SHOULD THE OWNER IDENTIFY AN EMERGENCY OR DANGER EXISTS TO THE WELFARE OF THE OCCUPANTS ON ACCOUNT OF SUCH WORK OR OPERATIONS.
11. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL MATERIAL IN A LEGAL MANNER NOT SCHEDULED FOR REUSE UNDER THIS PROJECT.
12. CONFIRM WITH THE ARCHITECTS OFFICE AND/OR CONSTRUCTION MANAGER, PROJECT SCHEDULES AND REVIEW THE ARCHITECTURAL, STRUCTURAL, AND MECHANICAL DRAWINGS PRIOR TO COMMENCING DEMOLITION.
13. USE CARE DURING THE DEMOLITION PHASE TO AVOID DAMAGE TO ANY GLAZED BLOCK, TILE OR BRICK VENEERED WALLS THAT ARE TO REMAIN.
14. DEMOLITION CONTRACTORS ARE RESPONSIBLE TO CONFIRM ALL QUANTITIES AND DEMOLITION REQUIRED. COMPLETE DEMOLITION IS NOT SHOWN ON THE DRAWINGS.
15. DISCONNECT, REMOVE AND/OR RELOCATE ALL ITEMS AS SHOWN. IF THERE ARE ANY ITEMS THAT ARE TO REMAIN, THEY ARE SPECIFICALLY NOTED SO ON THE DRAWINGS.
16. WHERE CONDUITS OR NON-METALLIC SHEATHED CABLE ARE ROUTED CONCEALED IN WALL CAVITIES OF WALL THAT ARE TO REMAIN, ABANDON THE CONDUIT AND/OR CABLE. CUT BACK TO THE POINT OF CONCEALMENT INSIDE THE WALL OR CEILING CAVITY. CUT AND REMOVE THE CONDUIT EXITING THE WALL CAVITY INTO THE CEILING SPACE. DISCONNECT AND REMOVE FEEDS FROM ELECTRICAL PANEL. REMOVE ALL SURFACE MOUNTED OUTLET BOXES ASSOCIATED WITH THE CONDUIT SYSTEMS.
17. DISCONNECT AND REMOVE ALL ELECTRICAL EQUIPMENT INCLUDING HANGERS, PULL BOXES, SWITCHES, LIGHT FIXTURES, CONDUIT AND WIRING FROM THE POINT OF CONCEALMENT TO THE EQUIPMENT. DISPOSE OF ALL ITEMS (SPECIAL ATTENTION TO LAMPS) AS REQUIRED BY LAW.
18. ELECTRICAL CONTRACTOR SHALL TAKE CARE WHEN REMOVING ELECTRICAL SYSTEMS. ALL WIRING THAT IS REQUIRED FOR POWER AND SPECIAL SYSTEMS ON OTHER FLOORS SHALL BE MAINTAINED.
19. EXISTING LIGHT FIXTURES MAY BE UTILIZED FOR TEMPORARY LIGHTING, ALL TEMPORARY SHALL REMAIN AFTER PROJECT IS DONE FOR OWNERS USE. ALL LIGHT FIXTURES THAT ARE REMOVED SHALL BE DISPOSED OF IN A LAWFUL WAY.
20. OWNER HAS FIRST RIGHTS TO ITEMS REMOVED.

ABBREVIATIONS:

"	INCHES
#	NUMBER
'	FEET
1P	1 POLE (2P, 3P, 4P, ETC.)
@	AT
A	AMPERE
ABOVE CEILING	ACLG
ACT	ABOVE COUNTER
ADO	AUTOMATIC DOOR OPENER
AF	AMP FRAME
AFCI	ARC FAULT COMBINATION CIRCUIT INTERRUPTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AL	ALUMINUM
ALT	ALTERNATE
AMP	AMPERE
AMPL	AMPLIFIER
ANNUN	ANNUNCIATOR
APPROX	APPROXIMATELY
AQ-STAT	AQUA-STAT
ARCH	ARCHITECT, ARCHITECTURAL
AS	AMP SWITCH
AT	AMP TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AUTO	AUTOMATIC
AUX	AUXILIARY
AV	AUDIO VISUAL
AWG	AMERICAN WIRE GAUGE
BATT	BATTERY
BF	BOTTLE FILLER
BLDG	BUILDING
BMS	BUILDING MANAEMENT SYSTEM
C	CONDUIT
C	CENTER LINE
CAB	CABINET
CAT	CATALOG
CAT6	CATEGORY 6 CABLING
CATV	CABLE TELEVISION
CB	CIR UIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CL	CONNECTED LOAD
COF	COFFEE MAKER
COMB	COMBINATION
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUATION, CONTINUOUS
CONTR	CONTRACTOR
CP	CIRCULATING PUMP
CT	CURRENT TRANSOFORMER
CTR	CENTER
CU	COPPER
DCP	DOMESTIC WATER CIRCUITING PUMP
DEPT	DEPARTMENT
DET	DETAIL
DIA	DIAMETER
DISC	DISCONNECT
DIST	DISTRIBUTION
DL	DEMAND LOAD
DN	DOWN
DPR	DAMPER
DS	DISCONNECT SWITCH
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
ELEC	ELECTRICAL
ELEV	EMERGENCY LIGHTING UNIT
ELU	EMERGENCY
EM	ENERGY MANAGEMENT SYSTEM
EMS	ELECTRICAL METALLIC TUBING
EMT	ELECTRIC PNEUMATIC
EP	EQUIPMENT
EQUIP	EXISTING TO REMAIN
ETR	ELECTRIC WATER COOLER
EWC	EXHAUST
EXH	EXISTING
EXIST	EXPLOSION PROOF
EXP	FLOOR
F	FIRE ALARM
FA	FIRE ALARM ANNUNCIATOR PANEL
FAAP	FIRE ALARM BOOSTER SUPPLY PANEL
FABP	FIRE ALARM CONTROL PANEL
FACP	FIRE ALARM SLAVE PANEL
FASP	FAN COIL UNIT
FCU	FIXTURE
FIXT	FUSE
FU	FUSED DISCONNECT SWITCH
FUDS	GAUGE
GA	GALLON
GAL	GALVANIZED
GALV	GENERAL CONTRACTOR
GC	GENERATOR
GEN	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT PROTECTION
GFP	GROUND
GND	GALVANIZED RIGID STEEL (CONDUIT)
GRS	GYPSUM BOARD
GYP	HAND-OFF-AUTO SWITCH
HOA	HORIZONTAL
HORIZ	HORSEPOWER
HP	HIGH POWER FACTOR
HPF	HEIGHT
HT	HEATER
HTR	HIGH VOLTAGE
HV	HEATING, VENTILATING & AIR CONDITIONING
HVAC	INTERLOCK WITH
I/W	INTERRUPTING CAPACITY
IC	ISOLATED GROUND
IG	INTERMEDIATE METAL CONDUIT
IMC	INFRARED
IR	JUNCTION BOX
J-BOX	KILOVOLT
KV	KILOVOLT-AMPERE
KVA	KILOVOLT- AMPERE RECTIVE
KVAR	KILOWATT
KW	KILOWATT CONNECTED
KWC	KILOWATT DEMAND
KWD	KILOWATT HOUR
LOC	LOCATE OR LOCATION
LP	LIGHTNING PEOTECTION
LT	LIGHT
LTG	LIGHTING
LTNG	LIGHTNING
LV	LOW VOLTAGE
M/C	MOMENTARY CONTACT
MAGS	MAGNETIC STARTER
MAX	MAXIMUM
MC	MECHANICAL CONTRACTOR
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDC	MAIN DISRIBUTION CENTER
MDP	MAIN DISTRIBUTION PANEL
MFR	MANUFACTURER
MFS	MAIN FUSED DISCONNECT SWITCH
MH	MANHOLE
MIC	MICROPHONE
MIN	MINIMUM
MISC	MISCELLANEOUS
MLO	MAIN LUGS ONLY
MMS	MANUAL MOTOR STARTER
MOA	MULTIOUTLET ASSEMBLY
MSBD	MAIN SWITCHBOARD
MSP	MOTOR STARTER PANELBOARD
MT	MOUNT
MT.C	EMPTY CONDUIT
MTR	MOTOR, MOTORIZED
MTS	MANUAL TRANSFER SWITCH
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELEC MFGR'S ASSOCIATION
NFDS	NON-FUSED SAFETY DISCONNECT SWITCH
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NPF	NORMAL POWER FACTOR
NTS	NOT TO SCALE
OH	OVERHEAD
OL	OVERLOADS
P	PL

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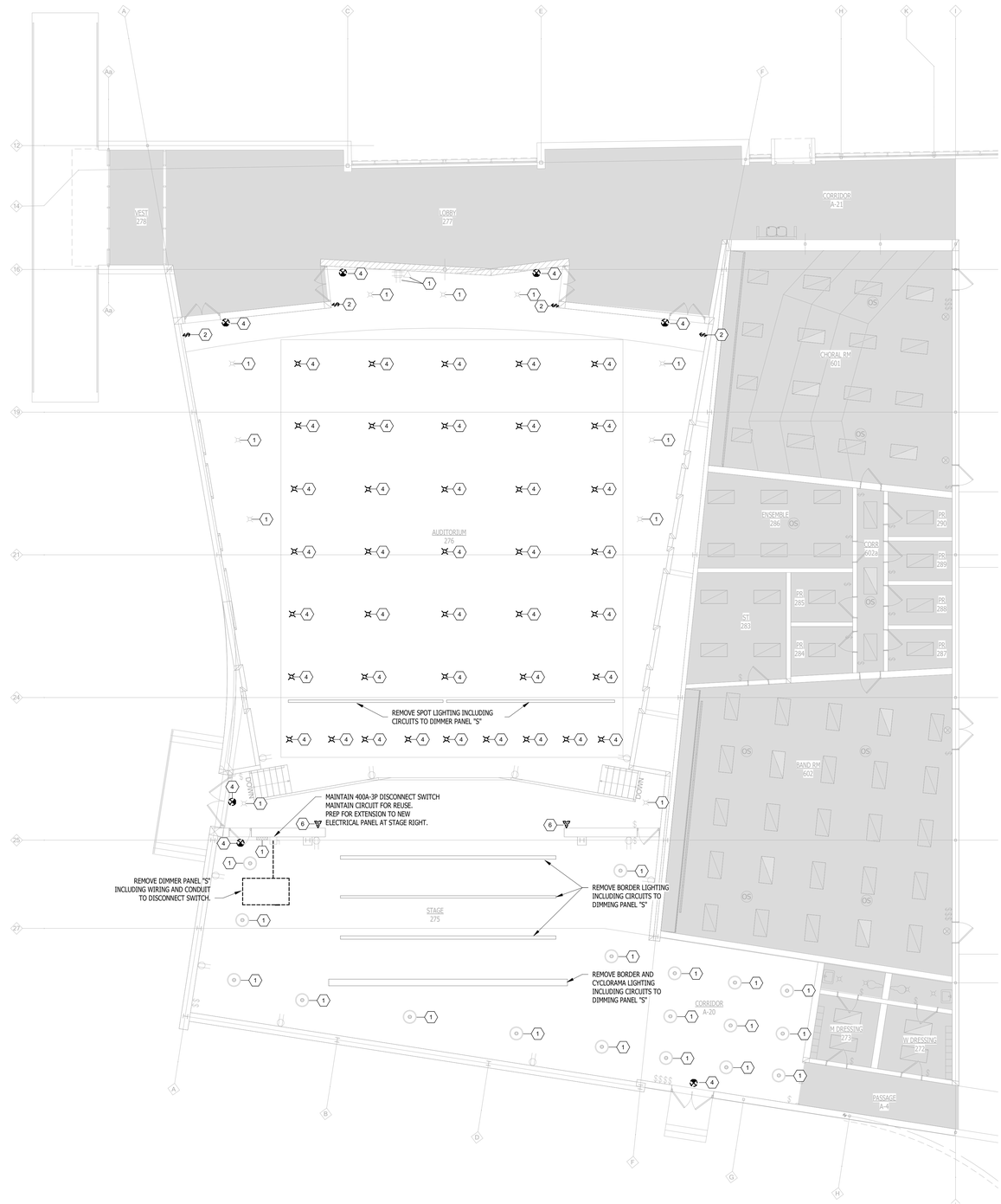
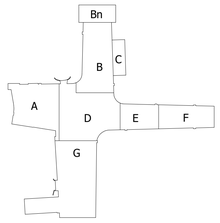


2 ED1.10 FIRST FLOOR PLAN - UNIT A
1/8" = 1'-0"

KEY NOTES:

1 EQUIPMENT TO REMAIN TO REMAIN IN PLACE.
2 DISCONNECT AND REMOVE 120 VAC LIGHT SWITCH AND WIRING FROM LIGHT SWITCH TO FIRST ACTIVE CEILING JUNCTION BOX. PREP FOR INSTALLATION OF NEW LIGHTING SWITCH AND LOW VOLTAGE WIRING IN SAME LOCATION.
4 DISCONNECT AND REMOVE LIGHT FIXTURE. MAINTAIN EXISTING CIRCUIT AND PREP FOR NEW LIGHT FIXTURE IN SAME LOCATION.
6 DISCONNECT AND REMOVE INCLUDING WIRING AND CONDUIT TO SOURCE.

THE COLLABORATIVE



KEY PLAN

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KTS ENGINEERING GROUP
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PROJECT TITLE
Oscoda Area Schools

Oscoda High School Misc Renovation
3550 E River Road
Oscoda, Michigan 48750

08.15.2025	CONSTRUCTION

TC JOB NO.
OWNER JOB NO.

SHEET TITLE
FIRST FLOOR DEMOLITION PLAN - UNIT A

SHEET NO.
ED1.10

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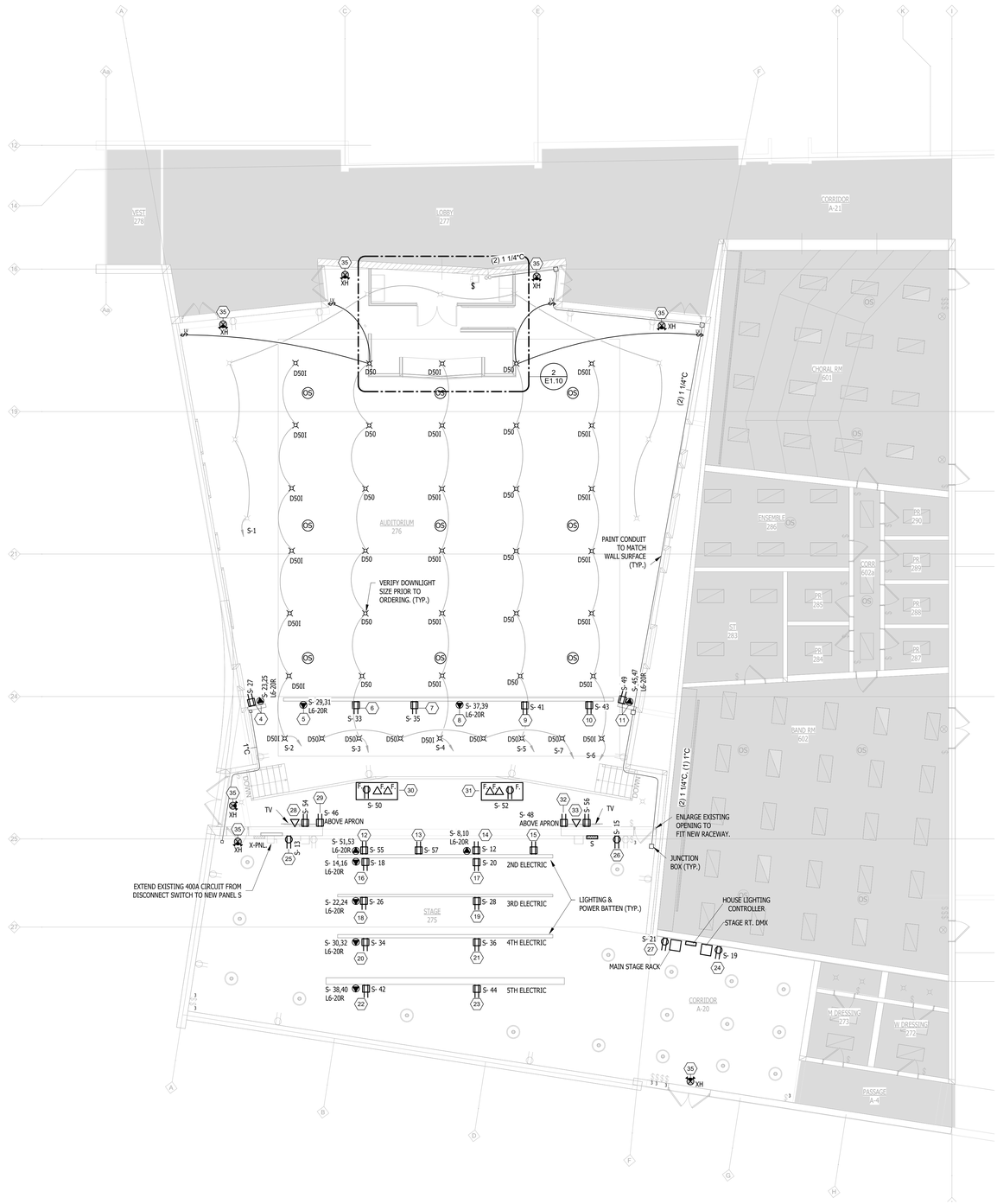
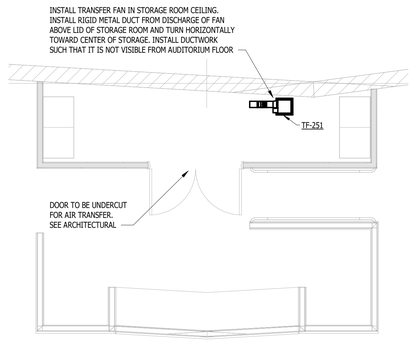
TRANSFER FAN SCHEDULE

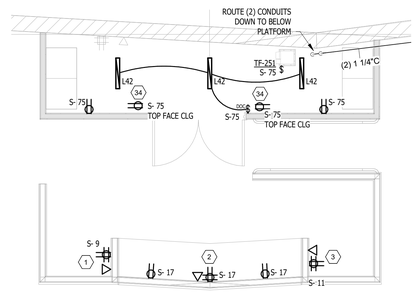
COMMENTS:
1. PROVIDE WITH STANDARD DESIGNER GRILLE.
2. PROVIDE WITH FACTORY MOUNTED DISCONNECT.
3. PROVIDE WITH ELECTRONICALLY COMMUTATED MOTOR WITH SPEED ADJUSTMENT. SPEED CONTROL TO BE USED FOR BALANCING PURPOSES.

ACCEPTABLE MANUFACTURERS: GREENHECK, COOK, BROAN, PANASONIC.

	BASIS OF DESIGN				FAN SPEED (RPM)				ELECTRICAL DATA		DISCONNECT BY				
TAG	MANUFACTURER	MODEL	CFM	E.S.P. (in-wg)	Fan RPM	Max Fan RPM	DRIVE TYPE	SONES	MOTOR POWER	VOLTAGE	M.T.C.	E.T.C.	VFD	CONTROL	COMMENTS
TF-251	Greenheck	SP-LP0810W	100	0.10	894	894	Direct	1.5	4.06 W	120V / 1Ø	X			CONTINUOUS OPERATION	1, 2, 3



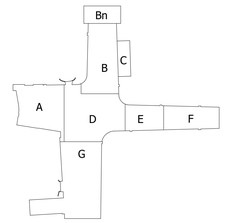




KEY NOTES:

1 A-1: 120V/20A AUXILLARY CIRCUIT WITH EDISON RECEPTACLES SIDE OF WORK DESK.
2 C-1: 120V/20A CIRCUIT WITH 3 QUAD EDISON RECEPTACLE BOXES UNDER WORK DESK EVENLY SPACED.
3 A-3: 120V/20A AUXILLARY CIRCUIT WITH EDISON RECEPTACLES SIDE OF WORK DESK.
4 L-1: 208-240V/20A CIRCUIT WITH 1 TWISTLOCK RECEPTACLE, L-2: 120V/20A CIRCUIT WITH 1 QUAD EDISON RECEPTACLE BOX.
5 L-3: 208-240V/20A CIRCUIT WITH 1 TWISTLOCK RECEPTACLE.
6 L-4: 120V/20A CIRCUIT WITH 1 QUAD EDISON RECEPTACLE BOX.
7 L-5: 120V/20A CIRCUIT WITH 1 QUAD EDISON RECEPTACLE BOX.
8 L-6: 208-240V/20A CIRCUIT WITH 1 TWISTLOCK RECEPTACLE.
9 L-7: 120V/20A CIRCUIT WITH 1 QUAD EDISON RECEPTACLE BOX.
10 L-8: 120V/20A CIRCUIT WITH 1 QUAD EDISON RECEPTACLE BOX.
11 L-9: 208-240V/20A CIRCUIT WITH 1 TWISTLOCK RECEPTACLE, L-10: 120V/20A CIRCUIT WITH 1 QUAD EDISON RECEPTACLE BOX.
12 L-11: 208-240V/20A CIRCUIT WITH 1 TWISTLOCK RECEPTACLE, L-12: 120V/20A CIRCUIT WITH 1 QUAD EDISON RECEPTACLE BOX.
ELECTRIC BOXES ARE CLAMPED TO THE BATTEN FOR ALL FLOWN LINE SETS, REFER TO THE EQUIPMENT DIAGRAM FOR PLACEMENT. MOVE POWER CABLES OFF OF THE PIPE FOR INSTRUMENT CLAMPS, PROVIDE BLACK VELCRO TO KEEP ALL CABLING AGAINST THE PIPE. USE STANDARD PRACTICES FOR POWER/DATA DISTRIBUTION TO THE LINE SETS, ALLOWING FOR THEM TO BE LOWERED TO THE FLOOR.
13 L-13: 120V/20A CIRCUIT WITH 1 QUAD EDISON RECEPTACLE BOX.
14 L-14: 208-240V/20A CIRCUIT WITH 1 TWISTLOCK RECEPTACLE, L-15: 120V/20A CIRCUIT WITH 1 QUAD EDISON RECEPTACLE BOX.
15 L-16: 120V/20A CIRCUIT WITH 1 QUAD EDISON RECEPTACLE BOX.
16 L-17: 208-240V/20A CIRCUIT WITH 1 TWISTLOCK RECEPTACLE, L-18 120V/20A CIRCUIT WITH 1 QUAD EDISON RECEPTACLE BOX.
17 L-19: 120V/20A CIRCUIT WITH 1 QUAD EDISON RECEPTACLE BOX.
18 L-20: 208-240V/20A CIRCUIT WITH 1 TWISTLOCK RECEPTACLE, L-21: 120V/20A CIRCUIT WITH 1 QUAD EDISON RECEPTACLE BOX.
19 L-22: 120V/20A CIRCUIT WITH 1 QUAD EDISON RECEPTACLE BOX.
20 L-23: 208-240V/20A CIRCUIT WITH 1 TWISTLOCK RECEPTACLE, L-24: 120V/20A CIRCUIT WITH 1 QUAD EDISON RECEPTACLE BOX.
21 L-25: 120V/20A CIRCUIT WITH 1 QUAD EDISON RECEPTACLE BOX.
22 L-26: 208-240V/20A CIRCUIT WITH 1 TWISTLOCK RECEPTACLE, L-27: 120V/20A CIRCUIT WITH 1 QUAD EDISON RECEPTACLE BOX.
23 L-28: 120V/20A CIRCUIT WITH 1 QUAD EDISON RECEPTACLE BOX.
24 C-2: 120V/20A CIRCUIT WITH 1 QUAD EDISON RECEPTACLE BOX. PROVIDE SHELF 2' WIDE BY 1' DEEP (10'-0" A.F.F.) FOR THE DMX DISTRIBUTORS.
25 A-2: 120V/20A AUXILLARY CIRCUIT WITH 1 QUAD EDISON RECEPTACLE BOX.
26 A-4: 120V/20A AUXILLARY CIRCUIT WITH 1 QUAD EDISON RECEPTACLE BOX.
27 C-3: 120V/20A CIRCUIT WITH 1 QUAD EDISON RECEPTACLE BOX, ALSO ANOTHER 2-GANG BOX WITH 1 SWITCH CONTROLLING A DUPLEX RECEPTACLE. MOUNT MAIN STAGE A/V RACK 5'-0" A.F.F.
28 V-1: 120V/20A CIRCUIT WITH 1 QUAD EDISON RECEPTACLE BOX FRONT SIDE AND 1 QUAD EDISON RECEPTACLE BOX BACK SIDE FOR TV.
29 S-1: 120V/20A CIRCUIT WITH 1 DUPLEX EDISON RECEPTACLE FOR MAIN SPEAKER POWER. MOUNT TO WALL.
30 S-2: 120V/20A CIRCUIT WITH 1 QUAD RECESSED EDISON RECEPTACLE IN 4-GANG FLOOR BOX (OTHER 2 GANG ARE FOR XLR AND DMX). LOCATED IN EXISTING 4-GANG FLOOR POCKET WHICH WILL HAVE POWER, XLR, AND DMX CIRCUITS FOR VARIOUS EQUIPMENT.
31 S-3: 120V/20A CIRCUIT WITH 1 QUAD RECESSED EDISON RECEPTACLE IN 4-GANG FLOOR BOX (OTHER 2 GANG ARE FOR XLR AND DMX). LOCATED IN EXISTING 4-GANG FLOOR POCKET WHICH WILL HAVE POWER, XLR, AND DMX CIRCUITS FOR VARIOUS EQUIPMENT.
32 S-1: 120V/20A CIRCUIT WITH 1 DUPLEX EDISON RECEPTACLE FOR MAIN SPEAKER POWER. MOUNT TO WALL.
33 V-2: 120V/20A CIRCUIT WITH 1 QUAD EDISON RECEPTACLE BOX FRONT SIDE AND 1 QUAD EDISON RECEPTACLE BOX BACK SIDE FOR TV.
34 LOCATE ON TOP FACE OF CEILING.
35 CONNECT TO EXISTING CIRCUIT.

THE COLLABORATIVE



KEY PLAN

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PROJECT TITLE
Oscoda Area Schools

Oscoda High School Misc Renovation

3550 E River Road
Oscoda, Michigan 48750

08.15.2025	CONSTRUCTION

TC JOB NO.
OWNER JOB NO.

SHEET TITLE
FIRST FLOOR PLAN - UNIT A

SHEET NO.
E1.10

3 E1.10 MECHANICAL PLAN
1/4" = 1'-0"

1 E1.10 FIRST FLOOR PLAN - UNIT A
1/8" = 1'-0"

2 E1.10 ENLARGED PLAN
1/4" = 1'-0"

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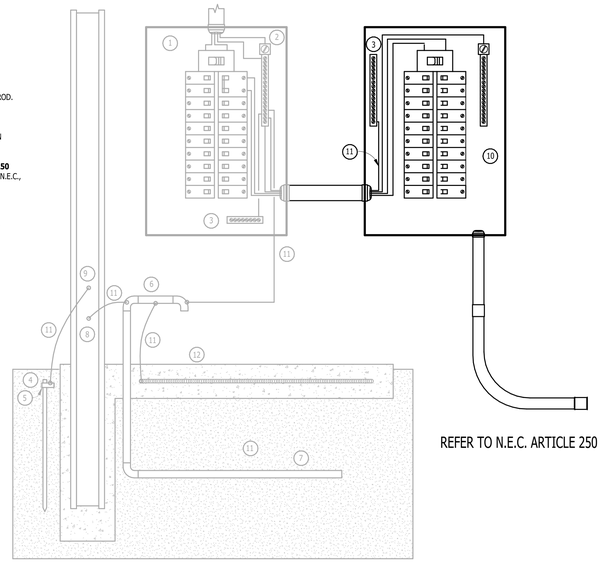
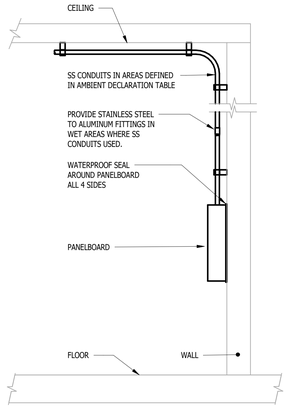
1. MAIN DISTRIBUTION PANEL.
2. NEUTRAL BUS.
3. **EQUIPMENT GROUND BAR KIT.**
4. 10' -0" X 3/4" COPPERWELD GROUND ROD.
5. CADWELD OR APPROVED CLAMP.
6. APPROVED PIPE CLAMP.
7. UNDERGROUND METAL PIPE.**
8. CADWELD OR APPROVED CONNECTION
9. BUILDING STEEL**
10. **SUBPANEL**
11. **WIRE SIZED PER N.E.C., ARTICLE 250**
12. CONCRETE-ENCASED ELECTRODE PER N.E.C., ARTICLE 250.52(A)(3)**

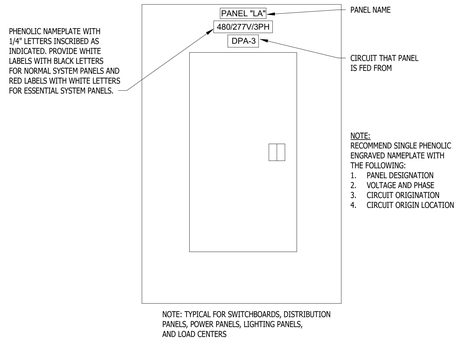
**WHERE JOB REQUIRES OR WHERE AVALIABLE.



1 E5.01 GROUNDING DETAIL
NOT TO SCALE

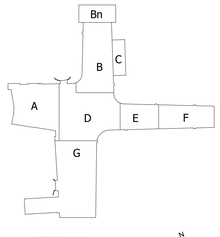


2 E5.01 PANELBOARD & CONDUIT MOUNTING DETAIL
NOT TO SCALE



NOTE: TYPICAL FOR SWITCHBOARDS, DISTRIBUTION PANELS, POWER PANELS, LIGHTING PANELS, AND LOAD CENTERS

3 E5.01 PANELBOARD IDENTIFICATION
NOT TO SCALE



KEY PLAN

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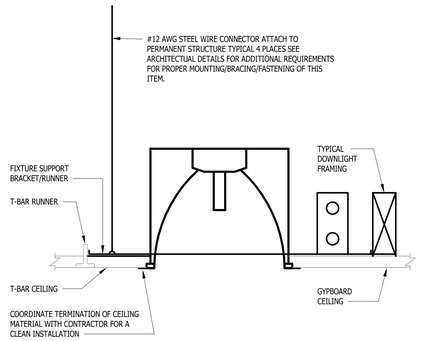
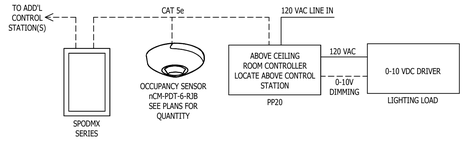
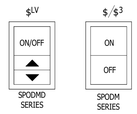


4 E5.01 RECESSED DOWNLIGHT SUPPORT DETAIL
NOT TO SCALE



NOTES:

1. SENSOR SWITCH SHOWN IN THIS DIAGRAM ARE BASIS OF DESIGN. CONTRACTOR MAY PROVIDE APPROVED EQUAL COOPER, HUBBELL, LEVITON, LUTRON, WATTSTOPPER.
2. CONTROLS TO BE COMPLIANT WITH LOCAL AND CURRENT ENERGY CODES, BASED UPON ASHRAE 90.1
3. ALL SENSOR LOCATIONS ARE APPROXIMATE, REFER TO MANUFACTURERS INSTALLATION INSTRUCTIONS PRIOR TO INSTALLATION.
4. ULTRASONIC CEILING MOUNT SENSORS SHOULD BE LOCATED A MINIMUM OF SIX FEET FROM HVAC SUPPLY/RETURN VENTS
5. CONTRACTOR IS RESPONSIBLE FOR: PROPER SENSITIVITY & TIME DELAY SETTINGS (FOR NON-ADAPTIVE PRODUCTS) RECOMMENDED PLACEMENT, AND FIELD VERIFICATION OF CIRCUITS WITH IN RESPECT TO POWER PLACEMENT.
6. CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE SENSOR BILL OF MATERIALS COMPLIES WITH THE SENSOR DESIGN AND LAYOUT SPECIFICATIONS.
7. ROOM CONTROLLERS IN AREAS WITH DROP CEILINGS TO BE MOUNTED ABOVE DROP CEILING.



5 E5.01 LOW VOLTAGE LIGHTING CONTROL
NOT TO SCALE

NOTES:

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5. CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE SENSOR BILL OF MATERIALS COMPLIES WITH THE SENSOR DESIGN AND LAYOUT SPECIFICATIONS.

7 E5.01 LINE VOLTAGE LIGHTING CONTROL DOC
NOT TO SCALE

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5. CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE SENSOR BILL OF MATERIALS COMPLIES WITH THE SENSOR DESIGN AND LAYOUT SPECIFICATIONS.

6 E5.01 LINE VOLTAGE LIGHTING CONTROL OS
NOT TO SCALE

PROJECT TITLE
Oscoda Area Schools

Oscoda High School Misc Renovation

3550 E River Road
Oscoda, Michigan 48750

08.15.2025 CONSTRUCTION

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SHEET TITLE
ELECTRICAL DETAILS

SHEET NO.
E5.01

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LIGHTING FIXTURE SCHEDULE

TYPE	MFR/MODEL	DESCRIPTION	VOLTAGE	WATTAGE/(FOOT)	LUMEN OUTPUT	DISTRIBUTION/LENSING	COLOR TEMP	COMMENTS
D50	LITHONIA LIGHTING MODEL #LRM8-60LM-35K-MVOLT-G4-80CRI-HW-WH	HYPERBOLIC DOWNLIGHT	120-277V	52	6000	WIDE DISTRIBUTION/FROSTED CONVEX LENS	3500K	
D50I	LITHONIA LIGHTING MODEL #LRMX-60LM-35K-MVOLT-G4-80CRI-HW-WH	HYPERBOLIC DOWNLIGHT	120-277V	52	2006	WIDE DISTRIBUTION/FROSTED CONVEX LENS	3500K	PROVIDE 500W INVERTER FOR LIGHTING CIRCUIT INDICATED ON PLANS.
L42	LITHONIA LIGHTING MODEL #CLX-L24-5000LM-SEF-FDL-MVOLT-GZ10-35K-80CRI-WH	LINEAR SURFACE LED	120-277V	42	5000	FLAT DIFFUSE LENS	3500K	
XH	LITHONIA LIGHTING MODEL #LHQM-LED-R-M6	COMBINATION EXIT SIGN	120-277V	4	300	DUAL LAMPS/POLYCARBONATE LENS	RED LETTERS	

CONDUIT SCHEDULE

RUN#	LOCATION 1	LOCATION 2	DESCRIPTION/TABLES	CONDUIT	NOTES
1	#2	#27	Primary trunk for control systems, 2x OM3 10G Fiber with LC ends, 8 x Cat6	Requires 1x 2" unbroken conduit with pull string, and 1x junction box 16"x16"x8" at location #27	Junction box at #27 about 5' AFF and will be a common junction point for other runs
2	#27	#33 (back side)	Primary data distribution on stage, 31 x Cat6, 12 x Audio Mic Cable	Requires 2x 2" unbroken conduit with pull string, and 1x junction box 16"x16"x8" at location #33 (back side)	Junction box at #33 (back side) about 10' AFF on the back side (stage side) of proscenium wall and will be a common junction point for other runs
3	#33 (back side)	#28 (back side)	Distribution to Stage Left, 24 x Cat6, 9 x Audio Mic Cable	Requires 2x 2" unbroken conduit with pull string, and 1x junction box 16"x16"x8" at location #28 (back side)	Junction box at #28 (back side) about 10' AFF on the back side (stage side) of proscenium wall and will be a common junction point for other runs
4	#28 (back side)	#24	Cabling to DMX convertors, 13 x Cat6, 2 x DMX	Requires 1x 2" conduit with pull string, 1x junction box 8"x8"x8" and 1x single gang box for network at #24	
5	#28 (back side)	#25	Cabling to Stage Left Proscenium I/O, 2x Cat6, 6 x Audio Mic Cable	Requires 1x 1" conduit with pull string, 1x single gang box for network and 1x 3-gang box for 6x XLR jacks at #25	
6	#28 (back side)	#29	Cabling to Main Right Speakers, 3 x Cat6, 3 x Audio Mic Cable	Requires 1x 1" conduit with pull string	Open end at ceiling for cables to be routed to the speakers
7	#33 (back side)	#26	Cabling to Stage Left Proscenium I/O, 2 x Cat6, 6 x Audio Mic Cable	Requires 1x 1" conduit with pull string, 1x single gang box for network and 1x 3-gang box for 6x XLR jacks at #25	
8	#33 (back side)	#32	Cabling to Main Right Speakers, 3 x Cat6, 3 x Audio Mic Cable	Requires 1x 1" conduit with pull string	Open end at ceiling for cables to be routed to the speakers
9	#28 (back side)	#4	Cabling to House Right Ladder, 2 x Cat6, 1 x DMX	Requires 1x 1" conduit with pull string	
10	#28 (back side)	#5	Cabling to House 1 Line Set, 2 x Cat6, 2 x DMX	Requires 1x 1" conduit with pull string	
11	#4	#11	Cabling to House Left Ladder, 1 x Cat6, 1 x DMX	Requires 1x 1" conduit with pull string	
12	#27	#31	Cabling to Stage Right Apron Box, 2 x Cat6, 4 x Audio Mic Cable, 1 x Speaker Wire	Requires 1x 1" conduit with pull string, 1x 4-gang box for 1x network, 1x DMX, 2x XLR jacks, power at #31	
13	#31	#30	Cabling between Apron Boxes, 1 x Cat6, 2 x Audio Mic Cable, 1 x Speaker Wire, 1 x DMX	Requires 1x 1" conduit with pull string, 1x 4-gang box for 1x network, 2x DMX, 2x XLR jacks, power at #30	
14	#24	#30	Cabling for DMX to Apron, 1 x DMX	Requires 1x 1" conduit with pull string	This may be able to be routed through a longer path overhead and down, but that goes across to #27 and then back

ELECTRICAL CIRCUIT SCHEDULE

CIRCUIT LEGEND:

A: Auxillary circuit

C: Control systems circuit

L: Lighting system circuit

S: Sound system circuit

V: Video system circuit

PANEL LABELLING MUST IDENTIFY ALL LIGHTING CIRCUITS AND ALL SOUND CIRCUITS CLEARLY FOR SYSTEM STARTUP AND SHUTDOWN ON A REGULAR BASIS. HOUSE LIGHTING CIRCUITS ARE INCLUDED IN THE ELECTRICAL PANEL.

LOC.	DESCRIPTION	CIRCUITS	EST. AMPS.	NOTES
1	Control Booth House Right	A-1: 120V/20A auxillary circuit with edison receptacles both sides of control desk spaced normally.		
2	Control Booth Under Desk, Main Booth Control Rack	C-1: 120V/20A circuit with 3 quad edison receptacle boxes under desk evenly spaced		
3	Control Booth House Left	A-2: 120V/20A auxillary circuit with edison receptacles both sides of control desk spaced normally.		
4	House Right Lighting Ladder	L-1: 208-240V/20A circuit with 1 twistlock receptacle L-2: 120V/20A circuit with 1 quad edison receptacle box	4.13 5	
5	House 1 Electric (Aud. Cove)	L-3: 208-240V/20A circuit with 1 twistlock receptacle	10.34	
6	House 1 Electric (Aud. Cove)	L-4: 120V/20A circuit with 1 quad edison receptacle box	9.17	
7	House 1 Electric (Aud. Cove)	L-5: 120V/20A circuit with 1 quad edison receptacle box	6.25	
8	House 1 Electric (Aud. Cove)	L-6: 208-240V/20A circuit with 1 twistlock receptacle	9.3	
9	House 1 Electric (Aud. Cove)	L-7: 120V/20A circuit with 1 quad edison receptacle box	6.25	
10	House 1 Electric (Aud. Cove)	L-8: 120V/20A circuit with 1 quad edison receptacle box	9.17	
11	House Left Lighting Ladder	L-9: 208-240V/20A circuit with 1 twistlock receptacle L-10: 120V/20A circuit with 1 quad edison receptacle box	4.13 5	
12	First Electric	L-11: 208-240V/20A circuit with 1 twistlock receptacle L-12: 120V/20A circuit with 1 quad edison receptacle box	12.55 6.25	Electric boxes are clamped to the batten for all flown line sets, refer to the diagram for placement. Also, power cables must be able to be moved off the pipe for instrument clamps, PROVIDE BLACK VELCRO to keep all cabling against the pipe. Use standard practices for power/data distribution to the line sets, allowing for them to be lowered to the floor.
13	First Electric	L-13: 120V/20A circuit with 1 quad edison receptacle box	5.8	
14	First Electric	L-14: 208-240V/20A circuit with 1 twistlock receptacle L-15: 120V/20A circuit with 1 quad edison receptacle box	11.51 6.25	
15	First Electric	L-16: 120V/20A circuit with 1 quad edison receptacle box	5.8	
16	Second Electric	L-17: 208-240V/20A circuit with 1 twistlock receptacle L-18: 120V/20A circuit with 1 quad edison receptacle box	12.69 6.24	
17	Second Electric	L-19: 120V/20A circuit with 1 quad edison receptacle box	4.16	
18	Third Electric	L-20: 208-240V/20A circuit with 1 twistlock receptacle L-21: 120V/20A circuit with 1 quad edison receptacle box	13.72 4.16	
19	Third Electric	L-22: 120V/20A circuit with 1 quad edison receptacle box	2.08	
20	TG	L-23: 208-240V/20A circuit with 1 twistlock receptacle L-24: 120V/20A circuit with 1 quad edison receptacle box	12.69 4.16	
21	Fourth Electric	L-25: 120V/20A circuit with 1 quad edison receptacle box	2.08	
22	Fifth Electric	L-26: 208-240V/20A circuit with 1 twistlock receptacle L-27: 120V/20A circuit with 1 quad edison receptacle box	15.87	
23	Fifth Electric	L-28: 120V/20A circuit with 1 quad edison receptacle box		
24	Stage Right DMX Distribution (10' AFF), House Light Control/(Dimmers), Breakers/Power Distribution	C-2: 120V/20A circuit with 1 quad edison receptacle box		Provide shelf 2' wide by 1' deep (10' AFF) for the DMX distributors.
25	Stage Left Proscenium Back Wall (16" AFF)	A-3: 120V/20A auxillary circuit with 1 quad edison receptacle box		
26	Stage Right Proscenium Back Wall (16" AFF)	A-4: 120V/20A auxillary circuit with 1 quad edison receptacle box		
27	Stage Right Wing, Main Stage Rack (5' AFF)	C-3: 120V/20A circuit with 1 quad edison receptacle box, also another 2-gang box with 1 switch controlling a duplex receptacle		Main stage rack for control and sound system
28	Stage Left Proscenium Front/Back Wall (10' AFF, 6' out from proscenuim)	V-1: 120V/20A circuit with 1 quad edison receptacle box front side and 1 quad edison receptacle box back side for TVs		This is 10' above stage finish height and 6' out from the proscenuim edge on both sides of the wall for TVs on both sides of the wall - Audience TVs and actor TV monitors
29	Stage Left Ceiling above Apron	S-1: 120V/20A circuit with 1 duplex edison receptacle for main speaker power		
30	Stage Left Apron	S-2: 120V/20A circuit with 1 quad recessed edison receptacle in 4-gang floor box (other 2 gang are for XLR and DMX)		Located in a 4-gang floor pocket which will have power, XLR, and DMX circuits for varius equipment
31	Stage Right Apron	S-3: 120V/20A circuit with 1 quad recessed edison receptacle in 4-gang floor box (other 2 gang are for XLR and DMX)		Located in a 4-gang floor pocket which will have power, XLR, and DMX circuits for varius equipment
32	Stage Right Ceiling above Apron	S-1: 120V/20A circuit with 1 duplex edison receptacle for main speaker power		Note this is the same circuit as in location 29
33	Stage Right Proscenium Front/Back Wall (10' AFF, 6' out from proscenuim)	V-2: 120V/20A circuit with 1 quad edison receptacle box front side and 1 quad edison receptacle box back side for TVs		This is 10' above stage finish height and 6' out from the proscenuim edge on both sides of the wall for TVs on both sides of the wall - Audience TVs and actor TV monitors

Branch Panel: S

Location: STAGE 275 | **Volts:** 120/208 Wye | **A.I.C. Rating:** 42 kAIC
Supply From: MSB | **Phases:** 3 | **Mains Type:** MCB
Mounting: SURFACE | **Wires:** 4 | **Mains Rating:** 400 A
Enclosure: NEMA 1 | **MCB Rating:** 400 A

Notes:

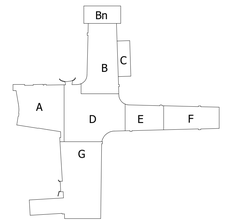
CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Lighting AUDITORIUM 276	20 A	1	176 VA	364 VA					1	20 A	Lighting AUDITORIUM 276	2
3	Lighting AUDITORIUM 276	20 A	1			154 VA	364 VA			1	20 A	Lighting AUDITORIUM 276	4
5	Lighting AUDITORIUM 276	20 A	1					154 VA	364 VA	1	20 A	Lighting AUDITORIUM 276	6
7	Lighting AUDITORIUM 276	20 A	1	88 VA	1197...					2	20 A	Receptacle L-14	8
9	Receptacle A-1	20 A	1			360 VA	1197...						10
11	Receptacle A-2	20 A	1					360 VA	249 VA	1	20 A	Receptacle L-15	12
13	Receptacle A-3	20 A	1	180 VA	1320...					2	20 A	Receptacle L-17	14
15	Receptacle A-4	20 A	1			180 VA	1320...						16
17	Receptacle C-1 CONTROL DESK	20 A	1					720 VA	249 VA	1	20 A	Receptacle L-18	18
19	Receptacle C-2 DMX DISTRIBUTION	20 A	1	180 VA	249 VA					1	20 A	Receptacle L-19	20
21	Receptacle C-3 MAIN STAGE RACK	20 A	1			180 VA	1427...			2	20 A	Receptacle L-20	22
23	Receptacle L-1	20 A	2					430 VA	1427...				24
25				430 VA	249 VA					1	20 A	Receptacle L-21	26
27	Receptacle L-2	20 A	1			249 VA	249 VA			1	20 A	Receptacle L-22	28
29	Receptacle L-3	20 A	2					1075...	1427...	2	20 A	Receptacle L-23	30
31				1075...	1427...								32
33	Receptacle L-4	20 A	1			249 VA	249 VA			1	20 A	Receptacle L-24	34
35	Receptacle L-5	20 A	1					249 VA	249 VA	1	20 A	Receptacle L-25	36
37	Receptacle L-6	20 A	2	967 VA	1427...					2	20 A	Receptacle L-26	38
39						967 VA	1427...						40
41	Receptacle L-7	20 A	1					249 VA	249 VA	1	20 A	Receptacle L-27	42
43	Receptacle L-8	20 A	1	249 VA	249 VA					1	20 A	Receptacle L-28	44
45	Receptacle L-9	20 A	2			1320...	180 VA			1	20 A	Receptacle S-1	46
47								1320...	180 VA	1	20 A	Receptacle S-1	48
49	Receptacle L-10	20 A	1	249 VA	180 VA					1	20 A	Receptacle S-2	50
51	Receptacle L-11	20 A	2			1305...	180 VA			1	20 A	Receptacle S-3	52
53								1305...	180 VA	1	20 A	Receptacle V-1	54
55	Receptacle L-12	20 A	1	249 VA	180 VA					1	20 A	Receptacle V-2	56
57	Receptacle L-13	20 A	1			249 VA	180 VA			1	20 A	X-Receptacle STAGE REAR	58
59	X-Lighting STAGE LEFT STAIR	20 A	1					22 VA	360 VA	1	20 A	X-Receptacle STAGE FRONT	60
61	X-Lighting STAGE RIGHT STAIR	20 A	1	22 VA	360 VA					1	20 A	X-Receptacle STAGE FRONT	62
63	X-Receptacle STAGE REAR	20 A	1			360 VA	360 VA			1	20 A	X-Receptacle STAGE FRONT	64
65	X-Receptacle FLOOR POCKET	20 A	1					360 VA	360 VA	1	20 A	X-Receptacle FLOOR POCKET	66
67	X-Receptacle FLOOR POCKET	20 A	1	360 VA	360 VA					1	20 A	X-Receptacle FLOOR POCKET	68
69	X-Receptacle FLOOR POCKET	20 A	1			360 VA	360 VA			1	20 A	X-Receptacle FLOOR POCKET	70
71	X-Receptacle FLOOR POCKET	20 A	1					360 VA	360 VA	1	20 A	X-Receptacle FLOOR POCKET	72
73	X-Receptacle AUDITORIUM REAR	20 A	1	720 VA	360 VA					1	20 A	X-Receptacle FLOOR POCKET	74
75	Receptacle Lighting Fan STORAGE ROOM	20 A	1			1145...	360 VA			1	20 A	X-Receptacle AUDITORIUM FRONT	76
77	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	78
79	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	80
81	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	82
83	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	84
				Total Load:	12865 VA		14929 VA		12256 VA				
				Total Amps:	108 A		125 A		102 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Lighting	1833 VA	125.00%	2291 VA	
Receptacle	37917 VA	63.19%	23959 VA	**Total Conn. Load:** 40050 VA
Equipment	300 VA	100.00%	300 VA	**Total Est. Demand:** 26549 VA
				Total Conn.: 111 A
				Total Est. Demand: 74 A

Notes:

THE COL LAB ORAT IVE



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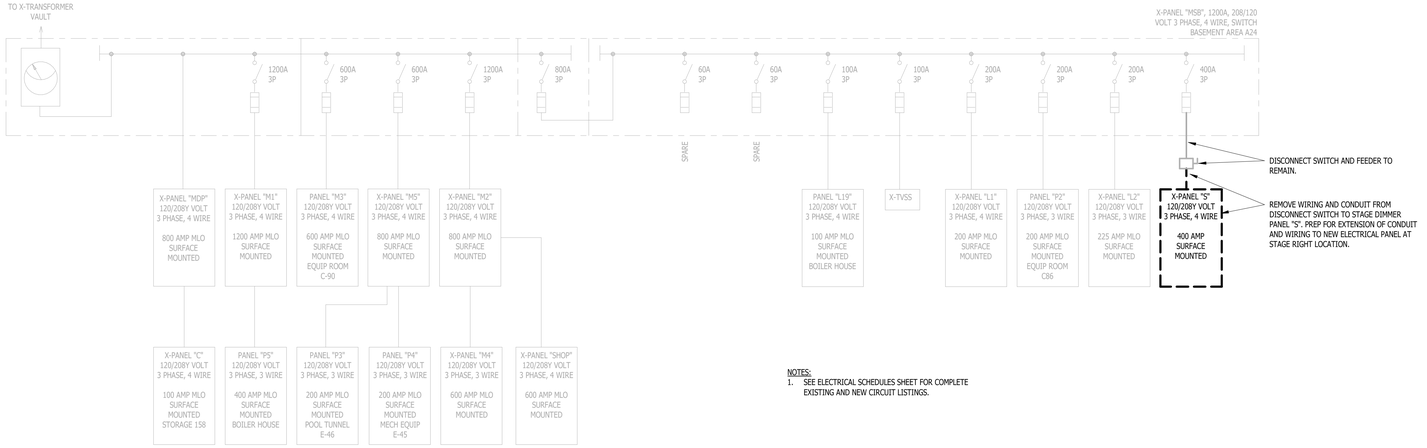
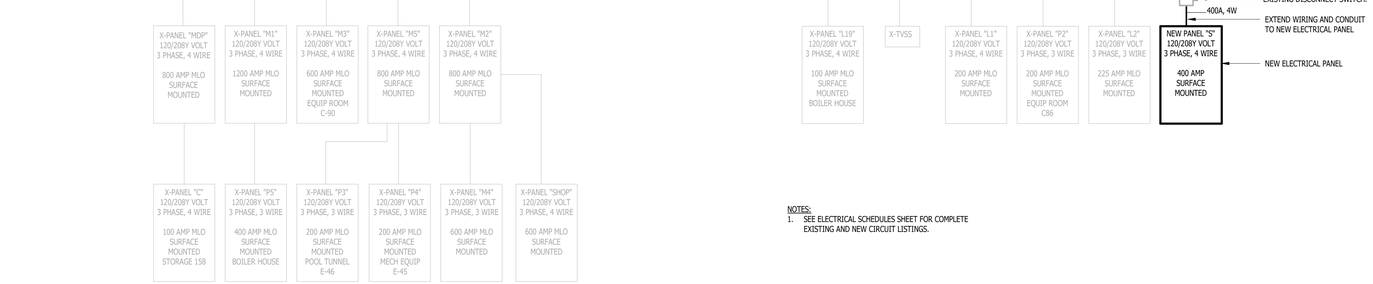


NOTES:
1. SEE ELECTRICAL SCHEDULES SHEET FOR COMPLETE EXISTING AND NEW CIRCUIT LISTINGS.

1 / E7.01 ONE LINE DIAGRAM - DEMOLITION
NOT TO SCALE



NOTES:
1. SEE ELECTRICAL SCHEDULES SHEET FOR COMPLETE EXISTING AND NEW CIRCUIT LISTINGS.

2 / E7.01 ONE LINE DIAGRAM
NOT TO SCALE

EXISTING 12-MONTH MAXIMUM DEMAND LOAD FROM CONSUMERS ENERGY = 324 kW = 900 AMPS
TOTAL SERVICE = 1200 A.

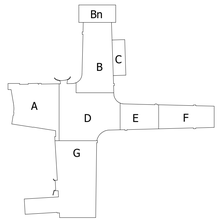
TOTAL REMOVED = 243 A
TOTAL ADDED = 74 A

OVERALL LOAD REMOVED = -169 A

FEEDER SCHEDULE (COPPER)

TAG	CONDUCTORS	EQUIPMENT GROUND	CONDUIT
400A, 4W	4#500	#2	4"

THE COLLABORATIVE



KEY PLAN

MEP CONSULTING ENGINEER
KTS ENGINEERING GROUP
491 E. WRIGHT AVE.
SHEPHERD, MI 48883
(PH) 989-567-1100
info@KTSEngineeringGroup.com

PROJECT TITLE
Oscoda Area Schools

Oscoda High School Misc Renovation

3550 E River Road
Oscoda, Michigan 48750

08.15.2025	CONSTRUCTION

TC JOB NO.

OWNER JOB NO.

SHEET TITLE
ONE LINE DIAGRAM

SHEET NO.
E7.01