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NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS

DEXTER, MICHIGAN 48103

Project Number 25026E

Construction Documents

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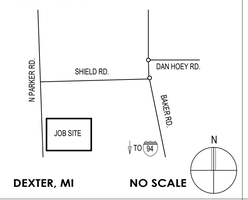
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REGISTRATION SEALS

PROJECT DATA:

LOCATION MAP:



DEXTER, MI NO SCALE

ADDRESS: DEXTER COMMUNITY SCHOOLS
2200 N PARKER RD
DEXTER, MICHIGAN 48103

Building:

BUILDING AREA(S) = 0 SF (ADDITION)
0 SF (EXISTING)
NEW 75,479 SF (TOTAL)
0 SF (EXISTING ALTERED)

CODE:

GOVERNING CODES:

- **2016 SCHOOL FIRE SAFETY RULES** (2012 Life Safety Code, plus amendments)
- **2021 MICHIGAN BUILDING CODE**
- **2021 MICHIGAN PLUMBING CODE**
- **2021 MICHIGAN MECHANICAL CODE**
- **2021 MICHIGAN COMMERCIAL ENERGY CODE** (ANSI/ASHRAE/IES Standard 90.1-2019)
- **2023 MICHIGAN ELECTRICAL CODE** (2023 NEC, plus Part 8 Rules)
- **2010 MICHIGAN ELEVATOR RULES** (ASME A17.1-2016, ASME A18.1-2017)
- **MICHIGAN BARRIER FREE CODE** (Michigan Building Code 2021 and ICC A117.1-2017)
- **2013 MICHIGAN BOILER CODE RULES** (ASME Boiler and Pressure Vessel Code, 2019 edition) (National Board Inspection Code (NBIC), 2019 edition)

USE GROUP CLASSIFICATION: "A-3" ASSEMBLY

CONSTRUCTION CLASSIFICATION: TYPE II (000) LSC TYPE II-B (MBC)

SUPERVISED AUTOMATIC SPRINKLER SYSTEM

ISSUE DATES

02-26-2026	D.R. - 2 CONSTRUCTION DOCUMENTS
02-12-2026	OWNER REVIEW
12-19-2025	DESIGN DEVELOPEMENT
12-16-2025	BID PACKAGE NO. 1 - PEMB
10-17-2025	SCHEMATIC DESIGN

DATE: **ISSUED FOR:** D.R. = DESIGN RELEASE

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PROJECT TITLE
NEW FIELD HOUSE
PROJECT NO.
25026E
DRAWING NO.
TS.1

ABBREVIATIONS

A

ABV ABOVE
[illegible] A[illegible]NISH FLOOR
ARF ABOVE REFERENCE FLOOR
[illegible]
ABS ABSORBING
[illegible]
ACC PNL ACCESS PANEL
[illegible] [illegible]USTICAL
ACT ACOUSTIC TILE
AC INSUL ACOUSTIC INSULATION
ADD ADDENDUM
ADDN ADDITION
ADDNL ADDITIONAL
ADH ADHESIVE
ADJ ADJUSTABLE
AGGR AGGREGATE
ACB AIR CIRCUIT BREAKER
A/C AIR CONDITIONING
ACC AIR CONDITIONING COMPRESSOR
ACU AIR CONDITIONING UNIT
AHU AIR HANDLING UNIT
ALT ALTERNATE
ALUM/AL ALUMINUM
AMT AMOUNT
AMP AMPHERE
AMPL AMPLIFIER
ANCH ANCHOR
AB ANCHOR BOLT
& AND
ANG/L ANGLE
ANOD ANODIZED
APT APARTMENT
APPR APPROVED
APPROX APPROXIMATE
ARCH ARCHITECT/ARCHITECTURAL
A- ARCHITECTURAL DRAWING-NO
ATM AUTOMATIC TELLER MACHINE
ASPH ASPHALT
ASSY ASSEMBLY
@ AT
AUTO AUTOMATIC
ASR AUTOMATIC SPRINKLER RISER
AUX AUXILIARY
AVG AVERAGE

B

B/B BACK-TO-BACK
BFP BACK FLOW PREVENTER
BDD BACK DRAFT DAMPER
BF BARRIER FREE
BBR BASE BOARD RADIATION
BPL BASE PLATE
BSMT BASEMENT
B BATH ROOM
BM BEAM
B/C BACK OF CURB
BRG BEARING
BR BEDROOM
BM BENCH MARK
BT BENT
BETW BETWEEN
BEV BEVEL
BIT BITUMINOUS
BI BLACK-IRON
BLK BLOCK
BLKG BLOCKING
BD BOARD
BLR BOILER
BLR F BOILER FEED
BLR H BOILER HOUSE
BK SH BOOK SHELVES
BS BOTH SIDES
BW BOTH WAYS
BOT BOTTOM
BOT EL BOTTOM ELEVATION
BLVD BOULEVARD
BDRY BOUNDARY
BRKT BRACKET
BR BRASS
BRKR BREAKER
BRK BRICK
BTU BRITISH THERMAL UNIT
BRZ BRONZE
BLDG BUILDING
BL BUILDING LINE
BUR BUILT-UP ROOFING
BN BULLNOSE
BLKD BULKHEAD
BULL BULLETIN
BA BURGLAR ALARM
BUZZ BUZZER

C

CAB CABINET
CUH CABINET UNIT HEATER
CAP CAPACITY
CPT CARPET
CRS CARPET REDUCER STRIP
CSMT CASEMENT
CSWRK CASEWORK
CSG CASING
CI CAST IRON
CIF CAST IRON FRAME
CIP CAST IRON PIPE/CAST IN PLACE
CSTG CASTING
CAT NO CATALOG NUMBER
CB CATCH BASIN
CLG CEILING
CD CEILING DIFFUSER
CLG HT CEILING HEIGHT
CEM CEMENT
CEM PLAS CEMENT PLASTER
CTR CENTER
C/C CENTER-TO-CENTER
CER CERAMIC
CT CERAMIC TILE
CBD CHALKBOARD
CHAM CHAMFER
CHG CHANGE
CHAN CHANNEL
CHKD PL CHECKERED PLATE
CHWR CHILLED WATER RETURN
CHWS CHILLED WATER SUPPLY
CHD CHORD
CIRCUM CIRCUMFERENCE
CIR CIRCLE/CIRCULAR
CIRC CIRCUIT
CBR CIRCUIT BREAKER
C- CIVIL DRAWING-NO
CL CLASS
CLRM CLASSROOM
CO CLEAN OUT
CLR CLEAR
CLR GL CLEAR GLASS
CLR WGL CLEAR WIRE GLASS
CL CLOSET
CLO CLOSURE
CCL COAT CLOSET
COEF COEFFICIENT
CW COLD WATER
COL COLUMN
CO COMPANY
COMPT COMPARTMENT
COMPO COMPOSITION
CA COMPRESSED AIR
COMPR COMPRESSOR
CONC CONCRETE
CMU CONCRETE MASONRY UNIT
CWR CONDENSING WATER RETURN
CWS CONDENSING WATER SUPPLY
COND CONDUIT
CONF CONFERENCE
CONN CONNECT
CONST CONSTRUCTION
CJ CONTROL JOINT
CONT CONTINUE/CONTINUOUS
CONTR CONTRACTOR
CP CONTROL PANEL
CONV CONVECTOR
CNVYR CONVEYOR
COR CORNER
CG CORNER GUARD
CORR CORRIDOR/CORRUGATED
CPR COPPER
CNTR COUNTER
CTSK COUNTERSINK
CRS COURSE
COV COVER
COV PL COVER PLATE
CCT CUBICAL CURTAIN TRACK
CUFT CUBIC FEET/CUBIC FOOT
CFM CUBIC FEET PER MINUTE
CY CUBIC YARD
CULV CULVERT
CD CUP DISPENSER
CYL CYLINDER
CYC CYCLES

D

DMPR DAMPER
D[illegible] D[illegible]
DL DEAD LOAD
D DI[illegible]
D DEEP
D[illegible] D[illegible]
DWG DRAWING
[illegible]ARTN [illegible]E PARTITION
DEPT DEPARTMENT
DEPR DEPRESSED
DES DESIGN
DET DETAIL
DIAG DIAGONAL
DGM DIAGRAM
DIA DIAMETER
DIFF DIFFUSER
DIM DIMENSION
DR DINING ROOM
DIR DIRECTORY
DISC DISCONNECT
DISCONT DISCONTINUOUS
DW DISHWASHER
DISP DISPENSER
DIST DISTANCE
DP DISTRIBUTION PANEL
DO DITTO (DO OVER)
DIV DIVIDER/DIVISION
DR DOOR
DO DOOR OPENING
DR OP DOOR OPERATOR
DBL DOUBLE
DA DOUBLE ACTING
DH DOUBLE HUNG
DWL DOWEL
DN DOWN
DS DOWNSPOUT
DRN DRAIN
DT DRAIN TILE
DTC DRAIN TILE CONNECTOR
DWR DRAWER
DF DRINKING FOUNTAIN
DB DRY BULB
DSP DRY STAND PIPE
DBWTR DUMBWAITER
DUP DUPLICATE
DDR DUTCH DOOR
DTE DTE ENERGY

E

EA EACH
EF EACH FACE
EW EACH WAY
E EAST
EIFS EXTERIOR INSULATION FINISH SYSTEM
ELAST ELASTOMERIC
ELAST FLASH ELASTOMERIC FLASHING
ELAST WP ELASTOMERIC WATERPROOFING
ESR ELASTOMERIC SHEET ROOFING
ELEC ELECTRIC/ELECTRICAL
ELEC CL ELECTRICAL CLOSET
ELEC CAB ELECTRICAL CABINET
EC ELECTRICAL CONTRACTOR
E- ELECTRICAL DRAWING-NO
EP ELECTRICAL PANEL
EWC ELECTRICAL WATER COOLER
ELEC OPER ELECTRICALLY OPERATED
EL ELEVATION
ELEV ELEVATOR
EMERG EMERGENCY
ENCL ENCLOSURE
ENGR ENGINEER
E/E END-TO-END
ENTR ENTRANCE/ENTRY
EP EPOXY
EPDM ETHYLENE PROPYLENE DIENE MONOMER
EQ EQUAL
EQUIP EQUIPMENT
EQUIV EQUIVALENT
ESC ESCALATOR
EST ESTIMATE
EXC EXCAVATED
EXH EXHAUST
ED EXHAUST DUCT
EF EXHAUST FAN
EG EXHAUST GRILLE
ER EXHAUST REGISTER
EXIST EXISTING
EXP EXPANSION
EXPB EXPANSION BOLT
EJ EXPANSION JOINT
EXPLP EXPLOSION PROOF
EXP'D EXPOSED
EXT'N EXTENSION
EXT EXTERIOR
EH EXTRA HEAVY
EXTR EXTRUDED
ESP EXTERNAL STATIC PRESSURE

F

FAB FABRICATED/FABRIC
F/F FACE-TO-FACE
FFIN FACTORY FINISH
FCU FAN COIL UNIT
FS FAR SIDE
FAS FASTENER
FDR FEEDER
FT or ' FEET/FOOT
FPM FEET PER MINUTE
FN FENCE
FBD FOAM BOARD
FIG FIGURE
FIN FINISH/FINISHED
FIN FLR/FF FINISHED FLOOR
FTR FINNED TUBE RADIATION
FA FIRE ALARM
FACP FIRE ALARM CONTROL PANEL
F BRK FIRE BRICK
FD FIRE DAMPER
FE FIRE EXTINGUISHER
FEC FIRE EXTINGUISHER CABINET
FHC FIRE HOSE CABINET
FH FIRE HYDRANT
FL FIRE LINE
FR FIRE RETARDANT/FIRE RATED
FRTWD FIRE RETARDANT TREATED WOOD
FVC FIRE VALVE CABINET
FP FIREPLACE
FPRFG FIREPROOFING
FIXT FIXTURE
FLASH FLASHING
FHMS FLAT HEAD MACHINE SCREW
FHWS FLAT HEAD WOOD SCREW
FC FLEXIBLE CONNECTION
FLR FLOOR
FCO FLOOR CLEAN OUT
FD FLOOR DRAIN
FLR FIN FLOOR FINISH
FLUOR FLUORESCENT
FLDG FOLDING
FTG FOOTING
FM BD FOAMBOARD
FDN FOUNDATION
FR FRAME
FR/COV FRAME AND COVER
FRMG FRAMING
FRZR FREEZER
FRP FIBERGLASS REINFORCED PLASTIC
FS FULL SIZE
FURN FURNISH/FURNISHED
FURR FURRING/FURRED
FUT FUTURE

G

GA GAUGE
GAL GALLON
GPH GALLONS PER HOUR
GPM GALLONS PER MINUTE
GALV GALVANIZED
GALV I GALVANIZED IRON
G GAS
GSKT GASKET
GV & B GATE VALVE AND BOX
GEN'L GENERAL
GL GLASS
GLZ GLAZING
GHT GLAZED HOLLOW TILE
GB GRAB BAR
GR GRADE/GRILLE
GB GRADE BEAM
GRAT GRATING
GL GRID LINE
GRN GRANITE
GS GREASE SEPARATOR
FT GREASE TRAP
GND GROUND
GFI GROUND FAULT INTERRUPTER
GT GROUT
G GUTTER ELEVATION
GYP GYPSUM
GYPBD GYPSUM BOARD

H

HNDCP HANDICAPPED
HR HAN[illegible]
HBD HARDBOARD
HD HA[illegible]
HDWD HARDWOOD
H HI[illegible]
HDR HEADER
H[illegible]L H[illegible]S
HRU HEAT RECOVERY UNIT
HTR HEATER
HTG HEATING
H/V HEATING AND VENTILATING
HVAC HEATING, VENTILATING AND AIR CONDITIONING
HHWR HEATING HOT WATER RETURN
HHWS HEATING HOT WATER SUPPLY
HGT HEIGHT
HEX HEXAGON
H HIGH
HID HIGH INTENSITY DISCHARGE
HP HIGH POINT
HPR HIGH PRESSURE
HS HIGH STRENGTH
HSB HIGH STRENGTH BOLT
HV HIGH VOLTAGE
HWY HIGHWAY
HSTWY HOISTWAY
HC HOLLOW CORE
HM HOLLOW METAL
HNYCB HONEYCOMB
HK HOOK
HORIZ HORIZONTAL
HP HORSEPOWER
HB HOSE BIBB
HSP HOSE STAND PIPE
HVC HOSE VALVE CABINET
HOSP HOSPITAL
HW HOT WATER
HWR HOT WATER RETURN
HWS HOT WATER SUPPLY
HR HOUR
HO HUB OUTLET
HYD HYDRANT/HYDRAULIC
H HYDROGEN

I

ID IDENTIFICATION
INCAND INCANDESCENT
IN OR " INCH/INCHES
INCIN INCINERATOR
INCL INCLUDE / INCLUDING
IW INDIRECT WASTE
INFO INFORMATION
ID INSIDE DIAMETER
IF INSIDE FACE
INST'L INSTALL/INSTALLATION
INSUL INSULATE/INSULATION
INT INTERIOR
INTER INTERMEDIATE
INV INVERT
IE INVERT ELEVATION

J

JC JANITOR CLOSET
JT JOINT
JST JOIST
JB JUNCTION BOX
JR JUNIOR

K

KP KICK PLATE
KV KILOVOLT
KVA KILOVOLT AMPERE
KW KILOWATT
K KIP (100#)
KIT KITCHEN
KS KNEE SPACE
KD KNOCK DOWN
KOP KNOCK-OUT PANEL

L

LBL LABEL
LAB LABORATORY
LAD LADDER
LB LAG BOLT
LAM LAMINATE/LAMINATED
LDG LANDING
L- LANDSCAPE DRAWING-NO
LGE LARGE
LDRY LAUNDRY
LAV LAVATORY
LH LEFT HAND
LHRB LEFT HAND REVERSE BEVEL
LGTH LENGTH
LEV LEVEL
LIB LIBRARY
LT LIGHT
LPRF LIGHTPROOF
LTG LIGHTING
LP LIGHTING PANEL
LRP LIGHTING RECEPTACLE PANEL
LTWT LIGHTWEIGHT
LTWT CONC LIGHTWEIGHT CONCRETE
LMS LIMESTONE
LTL LINTEL
LIN DIFF LINEAR DIFFUSER
LF LINEAR FEET/FOOT
LIN SD LINEAR SLOT DRAIN
LIQ LIQUID
LPG LIQUID PROPANE GAS
LPG LIQUID PETROLEUMM GAS
LL LIVE LOAD
LR LIVING ROOM
LOC LOCATION
LKR LOCKER
LG LONG
LLH LONG LEG HORIZONTAL
LLV LONG LEG VERTICAL
LVR LOUVER
LO LOUVER OPENING
LP LOW POINT
LPR LOW PRESSURE
LBR LUMBER
LBS OR # POUNDS
LED LIGHT EMITTING DIODE

M

MACH MACHINE
MB MACHINE BOLT
MACH RM MACHINE ROOM
MAU MAKE-UP AIR UNIT
MDP MAIN DISTRIBUTION PANEL
MSB MAIN SWITCH BOARD
MAINT MAINTENANCE
MH MANHOLE
MFR MANUFACTURER
MAR MARBLE
MK MARK
MAS MASONRY
MO MASONRY OPENING
MATL MATERIAL
MAX MAXIMUM
MECH MECHANICAL
M- MECHANICAL DRAWING-NO
MC MEDICINE CABINET
MED MEDIUM
MEMB MEMBRANE
MET METAL
MDS METAL DIVIDER STRIP
MES METAL EDGE STRIP
ML METAL LATH
ML & PLAS METAL LATH AND PLASTER
MT METAL THRESHOLD
MET WP METALLIC WATERPROOFING
MEZZ MEZZANINE
MDOT MICHIGAN DEPARTMENT OF TRANSPORTATION
MWK MILLWORK
MIN MINIMUM
MIR MIRROR
M&S MIRROR AND SHELF
MOD MOTOR OPERATED DAMPER
MLDG MOULDING
MTD MOUNTED
MTG MEETING/MOUNTING
MOV MOVEABLE
MOV PARTN MOVEABLE PARTITION
MULL MULLION
M THOUSAND (1000)

N

NAT NATURAL
NS NEAR SIDE
NEUT NEUTRAL
NRC NOISE REDUCTION COEFFICIENT
NOM NOMINAL
NOR NORMAL
N NORTH
NOS NOSING
NIC NOT-IN-CONTRACT
NTS NOT-TO-SCALE
NO OR # NUMBER

O

OBS OBSCURE
OBS[illegible] OBSC[illegible]SS
OFF OFFICE
OC ON[illegible]
OPQ OPAQUE
OF OF[illegible]
OPER OPERATOR
[illegible]
OPP HD OPPOSITE HAND
ORIG ORIGINAL
ORN ORNAMENTAL
OZ OUNCE
O/O OUT-TO-OUT
OA OUTSIDE AIR
OD OUTSIDE DIAMETER
OF OUTSIDE FACE
OHS OVAL HEAD SCREW
OA OVERALL
OHD OVERHEAD
OHDDR OVERHEAD DOOR
OXY OXYGEN

P

PTD PAINTED
PR PAIR
PG PAGE
PNL PANEL
PTD PAPER TOWEL DISPENSER
PTWR PAPER TOWEL WASTE RECEPTACLE
PRL PARALLEL
PKG PARKING
PBD PARTICLE BOARD
PRTN PARTITION
PASS PASSAGE
PAT PATENT
PVMT PAVEMENT
PVG PAVING
PED PEDESTAL
PERF PERFORATED
PERIM PERIMETER
PERM PERMANENT
PERP PERPENDICULAR
P PHASE
PHOTO PHOTOGRAPH
PH PHYSICALLY HANICAPPED
PC PIECE
PCS PIECES
PLAS PLASTER
PL LAM PLASTIC LAMINATE
PL PLATE
PL GL PLATE GLASS
PLAT PLATFORM
PLBG PLUMBING
PLWD PLYWOOD
PT POINT
PT POINT OF TANGENCY
PC POINT OF CURVATURE
POL POLISH/POLISHED
PVC POLYVINYLCLORIDE
PORC PORCELAIN
PORC ENAM PORCELAIN ENAMEL
POR POROUS
PORT PORTABLE
POS POSITION
PIV POST INDICATOR VALVE
PLF POUNDS PER LINEAR FOOT
PSF POUNDS PER SQUARE FOOT
PSI POUNDS PER SQUARE INCH
PCF POUNDS PER CUBIC FOOT
PP POWER PANEL
P/C PRECAST
PTR PRECAST TERRAZZO RECEPTOR
PREFAB PREFABRICATED
PFN PREFINISHED
PTWD PRESERVATIVE TREATED WOOD
PG PRESSURE GAUGE
PRV PRESSURE REDUCING VALVE
PRIM PRIMARY
PROJ PROJECT/PROJECTION
PROP PROPERTY/PROPOSED
PL PROPERTY LINE
PA PUBLIC ADDRESS
PS PURSE SHELF
PB PUSH BUTTON

Q

QTY QUANTITY
QT QUARRY TILE
QTR QUARTER
QTR RD QUARTER ROUND

R

RBT RABBET
RAD or R RADIUS
RWC RAIN WATER CONDUCTOR
RR RAILROAD
RECV RECEIVE/RECEIVING
RECPT RECEPTACLE
RP RECEPTACLE PANEL
REC RECESS
RECT RECTANGLE/RECTANGULAR
RED REDUCER
RWD REDWOOD
REF REFER/REFERENCE
REFL REFLECTED/REFECTIVE
REFR REFRIGERATOR
REG REGISTER
REINF REINFORCE/REINFORCING/ REINFORCEMENT
REM REMOVE/REMOVABLE
REP REPAIR
REQ'D REQUIRED
RESIL RESILIENT
RET RETURN
RA RETURN AIR
RAD RETURN AIR DIFFUSER
RAF RETURN AIR FAN
REV REVISED/REVISION
RPM REVOLUTIONS PER MINUTE
R RISER
RH RIGHT HAND
RHRB RIGHT HAND REVERSE BEVEL
ROW RIGHT OF WAY
RVT RIVET
RD ROAD
RSC ROLLING STEEL CURTAIN
RF ROOF
RC ROOF CONDUCTOR
RD ROOF DRAIN
RFH ROOF HATCH
RS ROOF SUMP
RV ROOF VENTILATOR
RFG ROOFING
RTU ROOF TOP UNIT
RM ROOM
RO ROUGH OPENING
RND ROUND
RHMS ROUND HEAD MACHINE SCREW
RHWS ROUND HEAD WOOD SCREW
RT RUBBER TILE

S

SAN SANITARY
SND SANITARY NAPKIN DISPENSER
SNR SANITARY NAPKIN RECEPTACLE
SCHED SCHEDULE
SCN SCREEN
STG SEATING
SECT SECTION
SERV SERVICE
SS SERVICE SINK
SHTHG SHEATHING
SHT SHEET
SHT MET SHEET METAL
SH & R SHELF AND ROD
SHWR SHOWER
SCR SHOWER CURTAIN ROD
SDR SHOWER DOOR
SW SIDEWALK
SIM SIMILAR
SGL SINGLE
SK SINK
SD SOAP DISPENSER
SC SOLID CORE
SS SOLID SURFACE
STC SOUND TRANSMISSION CLASS
S SOUTH
SP SPACE
SPR SPARE
SPKR SPEAKER
SPEC SPECIFICATIONS
SD SPLITTER DAMPER
SPRYD SPRAYED
SPKLR SPRINKLER
SQ SQUARE
SF SQUARE FEET/SQUARE FOOT
STAG STAGGERED
STSTL STAINLESS STEEL
STD STANDARD

S

SP STANDPIPE
SP S[illegible]TI[illegible]
STA STATION
STM STEA[illegible]
STL STEEL
STI STI[illegible]
STIFF STIFFENER
S[illegible] S[illegible]NT
STOR STORAGE
STR STRAIGHT
ST STREET
STRUCT STRUCTURAL
S- STRUCTURAL DRAWING-NO
SGFT STRUCTURAL GLAZED FACING TILE
SSTL STRUCTURAL STEEL
SSD SUBSOIL DRAIN
SSDC SUBSOIL DRAIN CONNECTION
SUB SUBSTATION
SAG SUPPLY AIR GRILLE
SD SUPPLY DIFFUSER/DUCT
SUBST SUBSTITUTE
SAR SUPPLY AIR REGISTER
SF SUPPLY FAN
SW SWITCH
SWBD SWITCHBOARD
SWGR SWITCHGEAR
SYM SYMBOL/SYMMETRICAL
SYS SYSTEM
SUPP SUPPORT
SURF SURFACE/SURFACING
SUSP SUSPEND/SUSPENSION

T

TBD TACKBOARD
TAN TANGENT
TECH TECHNICAL
TEL TELEPHONE
TEL CAB TELEPHONE CABINET
TV TELEVISION
TVM TELEVISION MONITOR
TEMP TEMPERATURE
TEMP GL TEMPERED GLASS
TU TERMINAL UNIT
TERR TERRAZZO
TB TEST BORING
T THERMOSTAT
THK THICK/THICKNESS
TS THICKENED SLAB
THD THREAD
THRESH THRESHOLD
THRU THROUGH
T/TOIL TOILET
TPD TOILET PAPER DISPENSER
TPH TOILET PAPER HOLDER
T & G TOUNGE AND GROOVE
T & B TOP AND BOTTOM
T/C TOP OF CURB
T/EL TOP ELEVATION
T/F TOP OF FOOTING
T/G TOP OF GUTTER
T/M TOP OF MASONRY
T/P TOP OF PARAPET
T/P TOP OF PAVEMENT
T/R TOP OF RIM
T/S TOP OF STEEL
T/W TOP OF WALL
TB TOWEL BAR
TD TOWEL DISPENSER
TD & WR TOWEL DISPENSER AND WASTE RECEPTACLE
TG TRANSFER GRILLE
TRFR TRANSFORMER
TRAN TRANSOM
T TREAD
TD TRENCH DRAIN
TS TUBE SECTION
TV TURNING VANE
TT TWIN TEE
TYP TYPICAL

U

UC UNDERCUT
UG UNDER GROUND
UL UNDERWRITERS LABORATORY
ULT ULTIMATE
UNFIN UNFINISHED
UH UNIT HEATER
USUB UNIT SUBSTATION
UV UNIT VENTILATOR
USGS UNITED STATES GEOLOGICAL SURVEY
UON UNLESS OTHERWISE NOTED
UR URINAL

V

VAC VACUUM
VB VACUUM BREAKER
VCO VACUUM CLEANER OUTLET
V BARR VAPOR BARRIER
VAR VARIABLE
VARN VARNISH
VNR VENEER
V PLAS VENEER PLASTER
V VENT
VTR VENT THRU ROOF
VENT VENTILATE/VENTILATION
VIF VERIFY IN FIELD
VS VERSUS
VERT VERTICAL/VERTICALLY
VERT C VERTICAL CURVE
VEST VESTIBULE
VI VIBRATION ISOLATOR
VNY VINYL
VCT VINYL COMPOSITION TILE
VIN FAB VINYL FABRIC
VRS VINYL REDUCER STRIP
VIT VITREOUS
VCP VITRIFIED CLAY PIPE
VOL VOLUME
VD VOLUME DAMPER
V VOLTS

W

WAINS WAINSCOT
WCAB WALL CABINET
WCO WALL CLEAN OUT
WH WALL HYDRANT
W/W WALL-TO-WALL
WV WALL VENT
WHSE WAREHOUSE
WF WASH FOUNTAIN
W WASTE/WATTS
W & V WASTE AND VENT
WR WASTE RECEPTACLE
WC WATER CLOSET
WG WATER GUAGE
WH WATER HEATER
WP WATERPROOFING
WSTPG WEATHERSTRIPPING
WT WEIGHT
WWF WELDED WIRE FABRIC
W WEST
WB WET BULB
W WIDE/WIDTH
W_x_ WIDE FLANGE SECTION
WT WIDE FLANGE TEE SECTION
WO WINDOW OPENING
WGL WIRE GLASS
WM WIRE MESH
w/ WITH
w/o WITHOUT
WD WOOD
WL WORK LINE
WP WORK POINT
WI WROUGHT IRON

X

Y

YD YARD
YP YIELD POINT
YS YIELD STRENGTH
YR YEAR

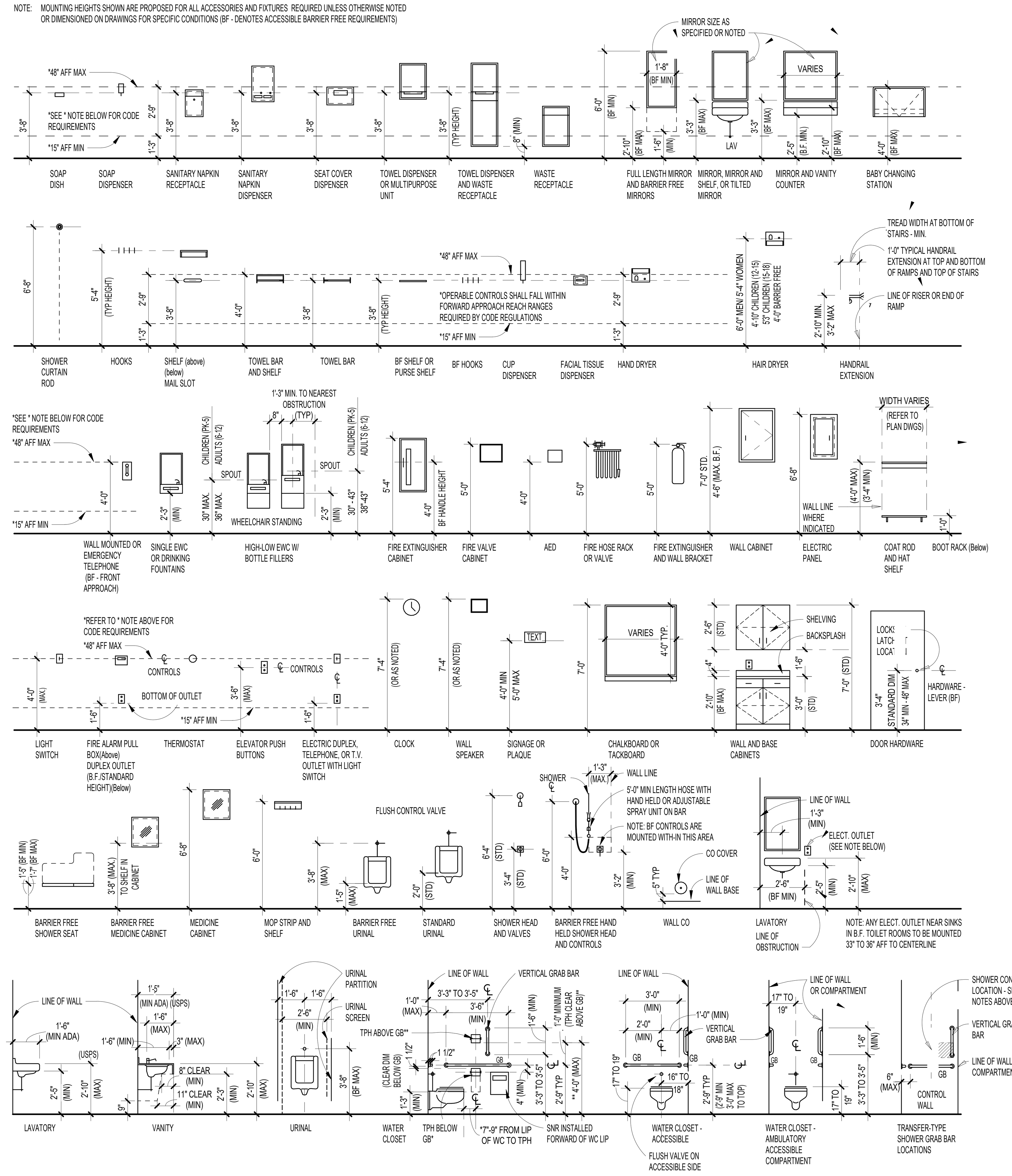
Z

ZC ZINC

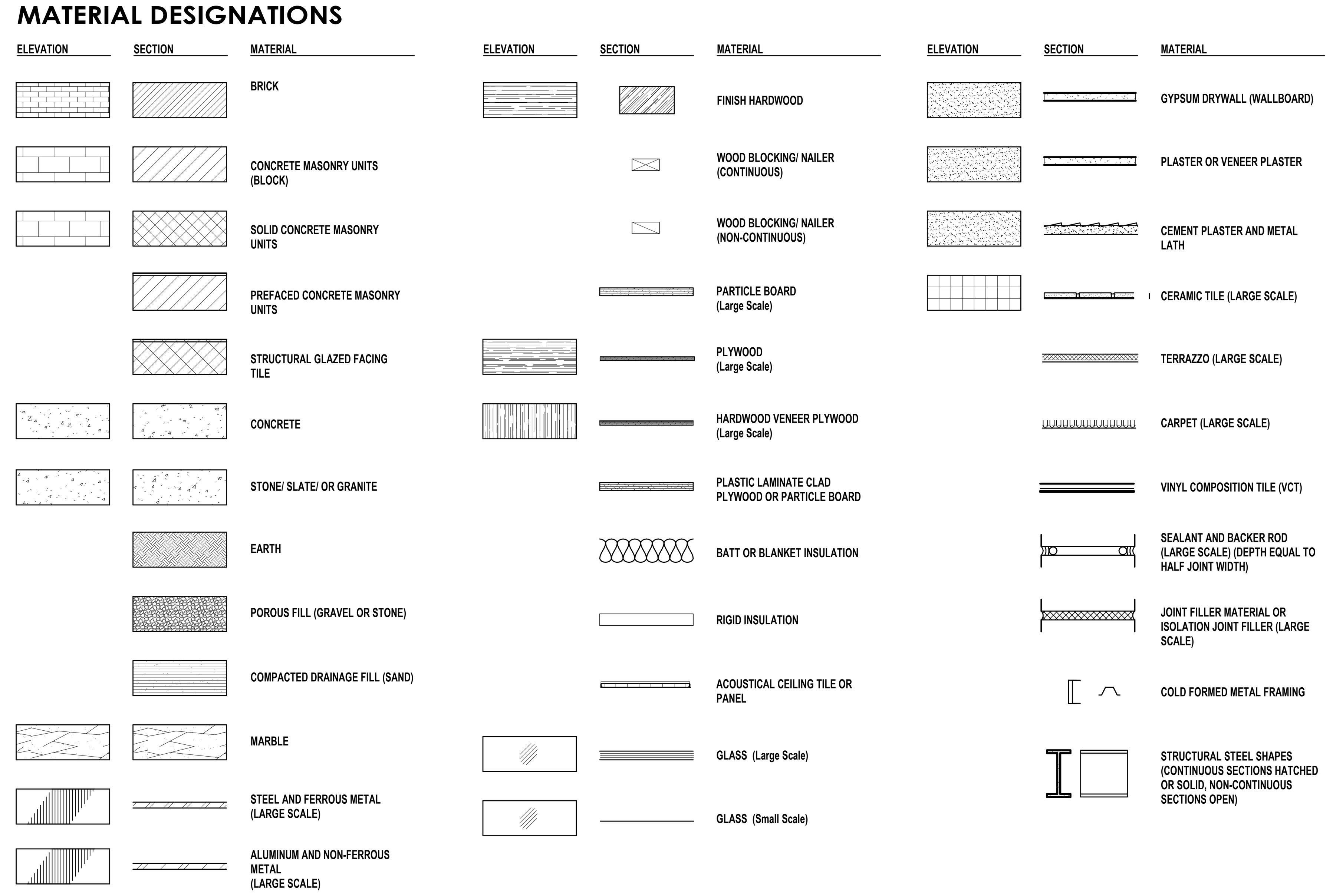
TYPICAL MOUNTING HEIGHTS

MISCELLANEOUS ACCESSORIES, TOILET ACCESSORIES AND FIXTURES

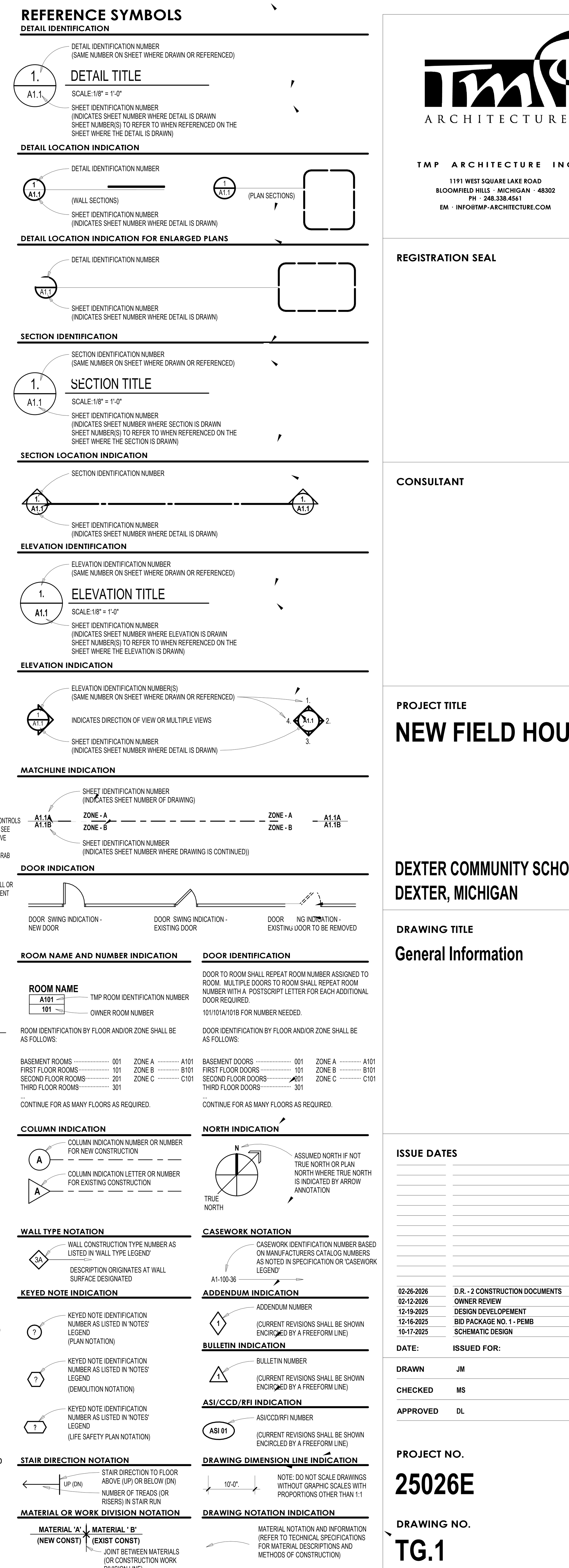
NOTE: MOUNTING HEIGHTS SHOWN ARE PROPOSED FOR ALL ACCESSORIES AND FIXTURES REQUIRED UNLESS OTHERWISE NOTED OR DIMENSIONED ON DRAWINGS FOR SPECIFIC CONDITIONS (BF - DENOTES ACCESSIBLE BARRIER FREE REQUIREMENTS)



MATERIAL DESIGNATIONS



REFERENCE SYMBOLS



ROOM NAME AND NUMBER INDICATION

ROOM IDENTIFICATION BY FLOOR AND/OR ZONE SHALL BE AS FOLLOWS:

BASEMENT ROOMS .... 001 ZONE A A101
FIRST FLOOR ROOMS .... 101 ZONE B B101
SECOND FLOOR ROOMS .... 201 ZONE C C101
THIRD FLOOR ROOMS 301
...
CONTINUE FOR AS MANY FLOORS AS REQUIRED.

DOOR IDENTIFICATION

DOOR TO ROOM SHALL REPEAT ROOM NUMBER ASSIGNED TO ROOM. MULTIPLE DOORS TO ROOM SHALL REPEAT ROOM NUMBER WITH A POSTSCRIPT LETTER FOR EACH ADDITIONAL DOOR REQUIRED.

101/101A/101B FOR NUMBER NEEDED.

DOOR IDENTIFICATION BY FLOOR AND/OR ZONE SHALL BE AS FOLLOWS:

BASEMENT DOORS .... 001 ZONE A A101
FIRST FLOOR DOORS .... 101 ZONE B B101
SECOND FLOOR DOORS .... 201 ZONE C C101
THIRD FLOOR DOORS 301
...
CONTINUE FOR AS MANY FLOORS AS REQUIRED.

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REGISTRATION SEAL

CONSULTANT

PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MICHIGAN

DRAWING TITLE

General Information

ISSUE DATES

DATE:	ISSUED FOR:
02-26-2026	D.R. - 2 CONSTRUCTION DOCUMENTS
02-12-2026	OWNER REVIEW
12-19-2025	DESIGN DEVELOPEMENT
12-16-2025	BID PACKAGE NO. 1 - PEMB
10-17-2025	SCHEMATIC DESIGN

DRAWN	JM
CHECKED	MS
APPROVED	DL

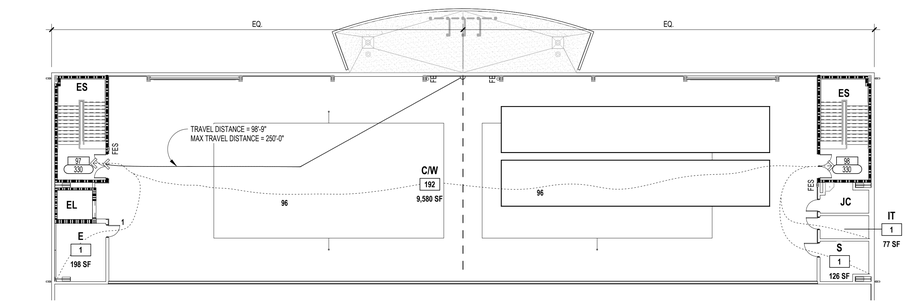
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25026E

DRAWING NO.

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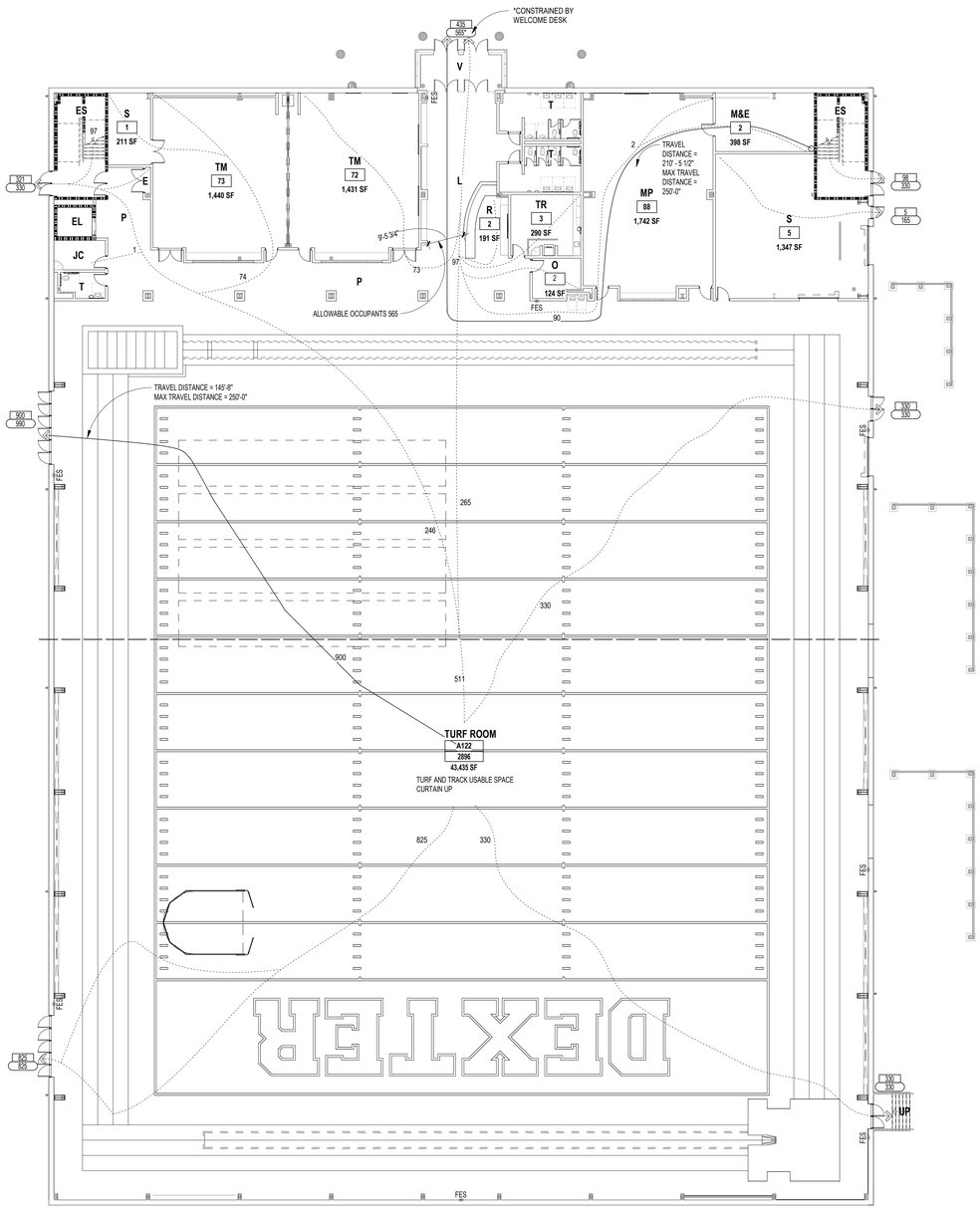
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N

MEZZANINE LIFE SAFETY PLAN

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



N

FIRST LEVEL LIFE SAFETY PLAN

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

LIFE SAFETY PLAN LEGEND

- **1-HOUR FIRE BARRIER FOR EXIT ENCLOSURES (LSC 7.1.3.2(1) / MBC 1023.1, 1023.2, 707.3.2, 713.4, 713.5, 707.5)**
  - OPENINGS ARE LIMITED (LSC 7.1.3.2.1(9) / MBC 1023.4, 716)
  - PENETRATIONS ARE LIMITED (LSC 7.1.3.2.1(10) & MBC 1023.5 & 1023.6, 717.5.2)
  - EXPOSURES (LSC 7.2.2.5.2 & MBC 1023.7)
  - SUPPORTING CONSTRUCTION (LSC 8.2.3.3 / MBC 707.5.1)
- **1-HOUR FIRE BARRIER FOR ELEVATOR HOISTWAYS (LSC 8.6.2, 8.6.5, 9.4.2.1/ MBC 3002.1, 713.4, 713.5, 707.5)**
  - OPENINGS ARE LIMITED (MBC 3002.6)
  - PENETRATIONS ARE LIMITED (MBC 713.8.1)
  - SUPPORTING CONSTRUCTION (LSC 8.2.3.3 / MBC 707.5.1)
- **SMOKE PARTITION FOR PROTECTION OF HAZARDS/INCIDENTIAL USES (LSC 14.3.2.1(1), 8.7.1.2 / MBC 509.4.2)**
  - DAMPERS ARE NOT REQUIRED AT DUCT PENETRATIONS (LSC 8.4.6.2 & NFPA 90A 5.3.1.1.1)
  - SMOKE DAMPERS ARE REQUIRED AT TRANSFER OPENINGS (LSC 8.4.6.2 / MBC 509.4.2)
- **: NON-RATED SMOKE BARRIER FLOOR CONSTRUCTION (LSC 8.6.1(1) / MBC 712)**
  - FIRE DAMPERS ARE NOT REQUIRED AT DUCTS THAT PENETRATE ONLY ONE FLOOR (MBC 712.1.6, 717.6, 717.6.3)
  - SMOKE DAMPERS ARE NOT REQUIRED AT DUCT PENETRATIONS (LSC 8.5.5.3(5))
  - FIRE DAMPERS ARE REQUIRED AT TRANSFER OPENINGS (MBC 717.6)

C / 120 — **ROOM USE KEY / OCCUPANT LOAD**

75 / 100 — **CALCULATED OCCUPANT LOAD OF ROOM OR CUMULATIVE OCCUPANT LOAD AT EGRESS COMPONENT (LSC 7.3.1.2, MBC TABLE 1004.5)**

CAPACITY OF EGRESS COMPONENT
- PER NFPA 101 (2012), TABLE 7.3.3.1
- PER MBC (2015), SECTIONS 1005.3.1 AND 1005.3.2

LINE OF TRAVEL
- TRAVEL DISTANCE TO EXITS = 250' MAX. SPRINKLED (TBL 1017.2 MBC)
- COMMON PATH OF TRAVEL = 75' MAX. SPRINKLED (TBL 1006.2.1 MBC)
- DEAD ENDS = 50' MAX. (LSC 14.2.5.2 / MBC 1020.5, EXCEPTION NO 2).

FE — **FIRE EXTINGUISHER, SURFACE MOUNT**

FES — **FIRE EXTINGUISHER, CABINET (SEMI-RECESSED)**

FEC — **FIRE EXTINGUISHER, CABINET (RECESSED)**

OCCUPANT LOAD FACTORS (LSC TABLE 7.3.1.2 / MBC TABLE 1004.5)

ASSEMBLY	
- GYMNASIUM (TURF AREAS)	1/15sf (net)
- ASSEMBLY (TABLES AND CHAIRS)	1/15sf (net)
- COMMON AREA	1/15sf (net)
- CHEER PRACTICE SPACES	1/50sf (net)
- WRESTLING	1/50sf (net)
BUSINESS	
- OFFICES, TRAINING ROOMS	1/100sf (gross)
STORAGE	
- GENERAL STORAGE	1/300sf (gross)
- RECEIVING AREAS	1/300sf (gross)
- MECHANICAL	1/300sf (gross)

BUILDING DATA

1. **SUPERVISED AUTOMATIC SPRINKLER SYSTEM**
2. **CONSTRUCTION CLASSIFICATION TYPE II(000) (NFPA 220) & II-B (MBC 2021)**
3. **USE CLASSIFICATION "A-3"**

AREA CALCULATIONS

AREA FIRST LEVEL (NEW CONSTRUCTION)	**63,456 sf**
AREA MEZZANINE LEVEL (NEW CONSTRUCTION)	**11,570 sf**
PER MBC 507.6 - GROUP A-3 BUILDINGS OF TYPE II CONSTRUCTION. THE AREA OF GROUP A-3 BUILDING NO MORE THAN 1 STORY ABOVE GRADE PLANE USED AS A GYMNASIUM OF TYPE II CONSTRUCTION SHALL NOT BE LIMITED PROVIDED ALL OF THE FOLLOWING CRITERIA ARE MET:	
1. THE BUILDING SHALL NOT HAVE A STAGE OTHER THAN A PLATFORM.	
2. THE BUILDING SHALL BE EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1.	
3. THE BUILDING SHALL BE SURROUNDED AND ADJOINED BY PUBLIC WAYS OR YARDS NOT LESS THAN 60 FEET IN WIDTH	
ADJUSTED ALLOWABLE FLOOR AREA:	**UNLIMITED**
TOTAL FLOOR AREA:	**75,026 sf**

ROOM USE LEGEND

C	CHEER	ES	EXIT STAIR	S	STORAGE
COR	CORRIDOR	IT	INFORMATION TECH.	T	TOILET
CR	CONFERENCE ROOM	L	LOBBY	TF	TURF ROOM
CU	CUSTODIAL	ME	MECH. / ELECTRICAL	V	VESTIBULE
E	ELECTRICAL	MP	MULTI-PURDPSE	WC	WELCOME CENTER
EL	ELEVATOR	O	OFFICE	W	WRESTLING
		P	PASSAGE		

OCCUPANT LOAD

EGRESS COMPONENTS ARE SIZED TO ACCOMMODATE TABULAR OCCUPANCY CALCULATIONS PER TABLES - LSC TABLE 7.3.1.2 AND MBC TABLE 1004.1.2	**3,341 TOTAL BUILDING CAPACITY**
PLUMBING FIXTURE COUNT IS DETERMINED BY OWNERS STATED OCCUPANCY LOAD	**650**

OCCUPANT LOAD CAP. W/ DIVIDERS CURTAINS

TURF AREA - 43,435 SF
LOAD CAPACITY - 2896 PEOPLE

TURF AREA WITH CURTAINS DIVIDERS :
- AREA INSIDE DIVIDER - 32037 SF
- LOAD CAPACITY - 2136 PEOPLE
- LOAD CAPACITY REMAINING TO DISTRIBUTE - 760 PEOPLE

NORTH LANES - 2830.74 SF - 193 PEOPLE
EAST LANES - 2838.67 SF - 189 PEOPLE
WEST LANES - 2780.17 SF - 189 PEOPLE
SOUTH LANES - 2947.80 SF - 189 PEOPLE

TOTAL CLEAR WIDTH OF EGRESS FROM DIVIDER CURTAIN AREA REQUIRED = 2134X.2 = 427" = 35'-7"
CLEAR WIDTH PROVIDED = 36'-6"

TMP ARCHITECTURE

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BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561
EM - INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MICHIGAN

DRAWING TITLE

Life Safety Plans

A / B

ISSUE DATES

DATE:	ISSUED FOR:
02-26-2026	D.R. - 2 CONSTRUCTION DOCUMENTS
02-12-2026	OWNER REVIEW
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10-17-2025	SCHEMATIC DESIGN

DRAWN	JM
CHECKED	SM
APPROVED	DL

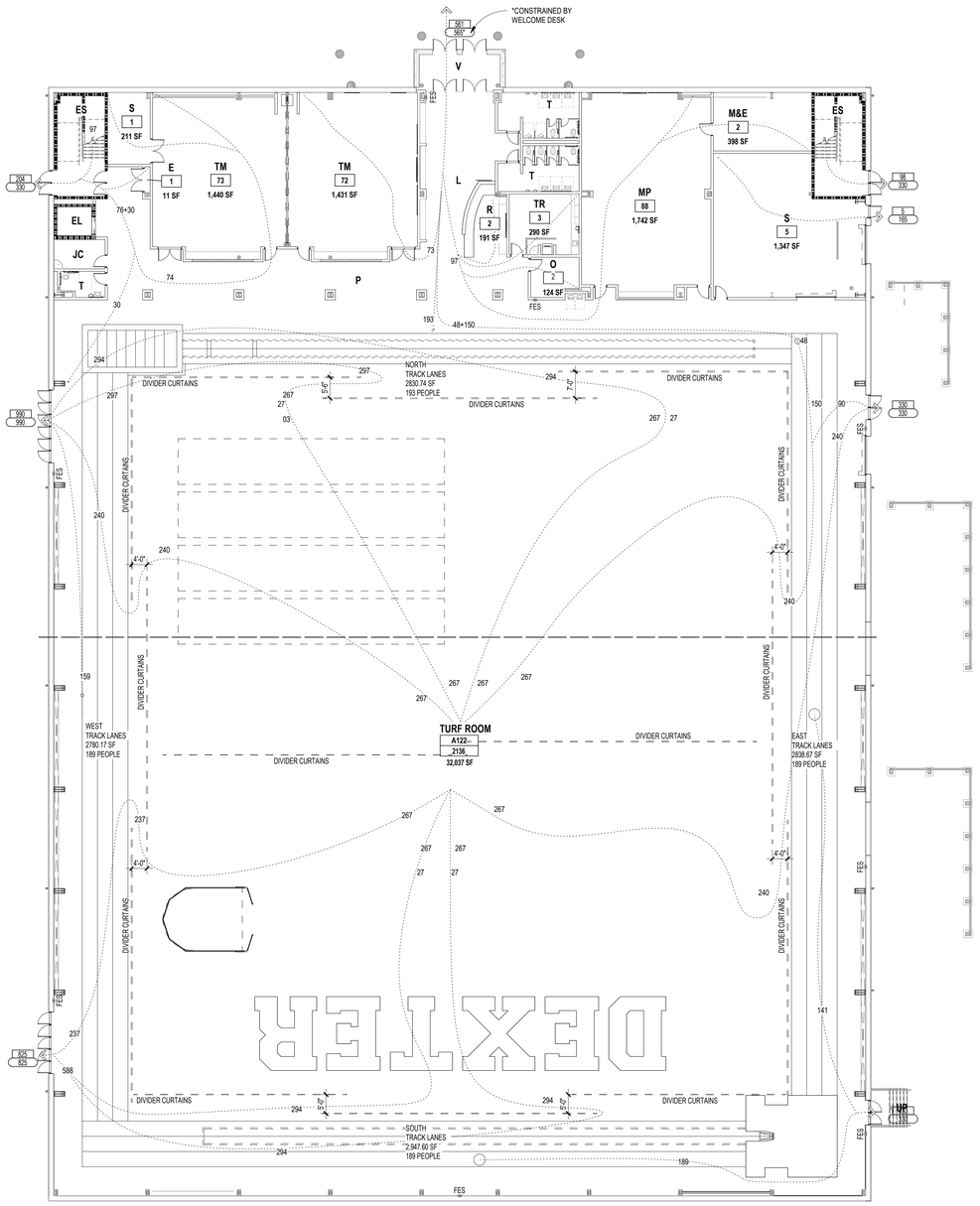
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FIRST LEVEL LIFE SAFETY PLAN

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

LIFE SAFETY PLAN LEGEND

- **1-HOUR FIRE BARRIER FOR EXIT ENCLOSURES (LSC 7.1.3.2(1) / MBC 1023.1, 1023.2, 707.3.2, 713.4, 713.5, 707.5)**
  - OPENINGS ARE LIMITED (LSC 7.1.3.2.1[9] / MBC 1023.4, 716)
  - PENETRATIONS ARE LIMITED (LSC 7.1.3.2.1[10] & MBC 1023.5 & 1023.6, 717.5.2)
  - EXPOSURES (LSC 7.2.2.5.2 & MBC 1023.7)
  - SUPPORTING CONSTRUCTION (LSC 8.2.3.3 / MBC 707.5.1)
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  CAPACITY OF EGRESS COMPONENT
  - PER NFPA 101 (2012), TABLE 7.3.3.1
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- FES — **FIRE EXTINGUISHER, CABINET (SEMI-RECESSED)**
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OCCUPANT LOAD FACTORS (LSC TABLE 7.3.1.2 / MBC TABLE 1004.5)

ASSEMBLY	
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CR	CONFERENCE ROOM	L	LOBBY	TF	TURF ROOM
CU	CUSTODIAL	ME	MECH. / ELECTRICAL	V	VESTIBULE
E	ELECTRICAL	MP	MULTI-PURPOSE	WC	WELCOME CENTER
EL	ELEVATOR	O	OFFICE	W	WRESTLING
		P	PASSAGE		

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REGISTRATION SEAL

CONSULTANT

PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MICHIGAN

DRAWING TITLE

Life Safety Plans with Divider Curtains

ISSUE DATES

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DRAWN	JM
CHECKED	MS
APPROVED	DL

PROJECT NO.
25026E

DRAWING NO.
LS.1.2

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STRUCTURAL GENERAL NOTES

GENERAL

1. THIS BUILDING HAS BEEN DESIGNED AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MICHIGAN BUILDING CODE, 2021 EDITION.

2. THE OWNER WILL EMPLOY QUALIFIED SPECIAL INSPECTORS TO PERFORM INSPECTIONS IN ACCORDANCE WITH CHAPTER 17 OF THE MICHIGAN BUILDING CODE, EXCEPT AS NOTED BELOW. SPECIAL INSPECTIONS WILL BE PERFORMED FOR THE FOLLOWING:

   A. SOILS.
   B. CONCRETE.
   C. MASONRY.
      I. MASONRY SPECIAL INSPECTION SHALL BE PERFORMED IN ACCORDANCE WITH TMS 402 & TMS 602 AND SHALL BE LEVEL B QUALITY ASSURANCE.
   D. STEEL.
      I. STEEL SPECIAL INSPECTION SHALL BE PERFORMED IN ACCORDANCE WITH AISC 360.

3. WHEN "PROFESSIONAL ENGINEER" IS REFERRED TO IN THE FOLLOWING NOTES, IT DENOTES A LICENSED PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF MICHIGAN, QUALIFIED TO PERFORM THE WORK.

4. THE CONTRACTOR SHALL VISIT THE SITE TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS, THE OWNERS REQUIREMENTS FOR ACCESS TO THE SITE AND CONTINUED OPERATIONS DURING CONSTRUCTION.

5. THE PLAN, DETAIL DIMENSIONS & ELEVATIONS RELATIVE TO THE EXISTING STRUCTURE HAVE BEEN TAKEN FROM AVAILABLE DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY SUCH DIMENSIONS, ELEVATIONS & DETAILS AS NECESSARY AND MAKE APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIAL.

6. THE CONTRACTOR SHALL SUBMIT CONCRETE REINFORCING, STRUCTURAL STEEL, METAL DECK, AND COLD FORMED METAL SHOP DRAWINGS PRIOR TO FABRICATION. THE CONTRACTOR SHALL ALSO SUBMIT MATERIAL REQUIREMENTS AND CONCRETE MIX DESIGNS. ALLOW (2) WEEKS FOR ENGINEER REVIEW.

7. THE STRUCTURE SHALL BE CONSIDERED TO BE IN AN UNSTABLE CONDITION UNTIL ALL FLOOR, WALL AND ROOF STRUCTURES ARE COMPLETED. CONTRACTOR SHALL PROVIDE TEMPORARY BRACING FOR STABILITY AND TO RESIST LATERAL LOADS DURING ERECTION.

8. ALL NON LOAD BEARING WALLS, EXCEPT INDICATED SHEAR WALLS, SHALL BE CONSTRUCTED TO ALLOW FOR VERTICAL DEFLECTION OF THE STRUCTURE ABOVE.

DIVISION 2 - DEMOLITION/SHORING

1. CONTRACTOR SHALL PROVIDE ALL NECESSARY SHORING WHERE REQUIRED DURING CONSTRUCTION. SHORING SHALL BE DESIGNED & DETAILED UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL ENGINEER. SHORING PROCEDURES, DESIGNS AND DETAILS SHALL BE SUBMITTED FOR REVIEW PRIOR TO COMMENCEMENT OF WORK, ALLOW (2) WEEKS FOR ENGINEER TO REVIEW.

2. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING ERECTION PROCEDURE AND SEQUENCING AND TO SUBMIT WRITTEN PROCEDURES TO ENSURE THE SAFETY OF THE STRUCTURE AND IT'S COMPONENTS DURING ERECTION.

3. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO DEMOLITION. IF CONDITIONS EXIST THAT ARE DIFFERENT FROM WHAT IS INDICATED ON THE DRAWINGS, NOTIFY ARCHITECT FOR DIRECTION BEFORE PROCEEDING.

4. DUE CARE MUST BE TAKEN NOT TO UNDERMINE OR DISTURB EXISTING SOIL AND FOUNDATIONS WHEN EXCAVATING ADJACENT TO EXISTING FOUNDATIONS. FIELD VERIFY THE DEPTH AND WIDTH OF ANY EXISTING FOOTINGS & NOTIFY ARCHITECT OF ANY INTERFERENCE'S WITH NEW WORK.

DIVISION 3 - CONCRETE

1. THE LATEST REVISION OF THE FOLLOWING CODES GOVERN THE DESIGN, DETAILING, FABRICATION AND CONSTRUCTION OF ALL REINFORCED CONCRETE:

   A. AMERICAN CONCRETE INSTITUTE (ACI) ACI 318, BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE.
   B. ACI 315, DETAILS & DETAILING OF CONCRETE REINFORCEMENT.

2. REINFORCING STEEL SHALL CONFORM TO THE FOLLOWING ASTM MATERIAL SPECIFICATIONS.

   A. DEFORMED BAR REINFORCING: ASTM A615 GRADE 60.
   B. WELDED WIRE REINFORCEMENT: A1064 (FLAT SHEETS ONLY).

3. ALL EXTERIOR CONCRETE (INCLUDING FOUNDATION WALLS, PIERS & FOOTINGS) SHALL BE AS FOLLOWS:

   A. MINIMUM 28-DAY COMPRESSIVE STRENGTH (f'c) = 4500 PSI.
   B. SLUMP = 3" TO 5".
   C. WATER/CEMENTITIOUS RATIO = 0.45.
   D. AIR ENTRAINMENT = 6% ± 1%.
   E. EXPOSURE CLASSES = F3, S0, W1, & C2.

4. ALL INTERIOR CONCRETE SHALL BE AS FOLLOWS:

   A. MINIMUM 28-DAY COMPRESSIVE STRENGTH (f'c) = 4000 PSI.
   B. SLUMP = 3" TO 5".
   C. WATER/CEMENTITIOUS RATIO = 0.50.
   D. EXPOSURE CLASSES = F0, S0, W1, & C1.

5. SPLICES FOR DEFORMED BARS SHALL BE CLASS B WITH APPLICABLE INCREASES FOR BAR SPACING, COVER, TOP BAR EFFECT ETC. PER ACI 318.

6. BEFORE PLACING CONCRETE REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATIONS OF PIPE SLEEVES, EMBEDDED ITEMS, OPENINGS, EQUIPMENT PADS, ELECTRICAL CONDUITS, RECESSES, DRAINS, ETC. ALL OPENINGS FOR PIPE, CONDUITS, ETC. SHALL BE SLEEVED. MINIMUM SLEEVE SPACING SHALL BE 3 SLEEVE DIAMETERS.

7. SUGGESTED CONSTRUCTION AND CONTROL JOINT LOCATIONS ARE INDICATED ON THE DRAWINGS. THE CONTRACTOR MAY DEVIATE FROM SUGGESTED JOINT LOCATIONS WITH PRIOR APPROVAL OF THE ARCHITECT.

8. CONCRETE CONTROL JOINTS SHALL BE CUT AS SOON AS CONCRETE HAS HARDENED SUFFICIENTLY TO PREVENT DISLODGMENT OF AGGREGATES. SAW A CONTINUOUS SLOT TO A DEPTH OF 1/4 THE THICKNESS OF THE SLAB BUT NOT LESS THAN 1". COMPLETE SAWING WITHIN 12 HOURS AFTER PLACEMENT.

9. PROVIDE A RECESS IN THE TOP OF FOUNDATION WALLS AT DOOR OPENINGS FOR SUPPORT OF THICKENED FLOOR SLABS AND TO RECEIVE DOOR JAMBS. DEPTH OF RECESS TO BE 2" GREATER THAN THICKNESS OF THE FLOOR SLABS, UNLESS NOTED OTHERWISE.

10. PROVIDE BENT CORNER BARS IN ALL WALLS AND FOOTINGS OF THE SAME SIZE AND NUMBER AS THE CONTINUOUS REINFORCEMENT.

11. CONCRETE SHALL BE TESTED BY AN INDEPENDENT TESTING AGENCY. A SET OF (3) CONCRETE TEST CYLINDERS SHALL BE MADE AND TESTED FOR COMPRESSION STRENGTH AT 7 AND 28 DAYS OR EVERY 50 CUBIC YARDS OF CONCRETE CAST (MINIMUM OF (1) SET PER DAY OF CASTING). ALSO SLUMP AND UNIT WEIGHT TESTS SHALL BE PERFORMED EVERY OTHER TRUCK LOAD. CONTRACTOR MADE CONCRETE TEST CYLINDERS ARE NOT ACCEPTABLE.

DIVISION 3 - COMPOSITE FLOOR

1. SHEAR CONNECTORS ARE 3/4"ø ASTM A108, GRADE 1015 HEADED STUDS. STUD LENGTH SHALL BE AS REQUIRED TO PROVIDE 1 1/2" PROJECTION ABOVE DECK. STUDS SHALL BE RESISTANCE-WELDED THROUGH THE DECKING TO THE SUPPORTING STEEL BY CONTRACTOR HAVING AT LEAST 3 YEARS OF SUCCESSFUL INSTALLATION EXPERIENCE ON SIMILAR PROJECTS.

2. REFER TO TYPICAL DETAILS FOR STUD SPACING.

3. TEST STUD ATTACHMENT TO BEAMS PER AWS D1.1, BUT NOT LESS THAN THE FOLLOWING:

   A. VISUALLY INSPECT STUDS FOR UNIFORM WELD ALL AROUND.

   B. TAP EACH STUD WITH HAMMER TO VERIFY BY SOUND.

   C. END EVERY TENTH STUD TO A SLOPE OF 15 DEGREES FROM VERTICAL, AWAY FROM SUPPORT WITHOUT LOSING STRENGTH OF ATTACHMENT, WHERE ATTACHMENT IS LOST, TEST AT LEAST TWO STUDS EACH SIDE OF FAILED STUD.

4. REPLACE ALL FAILED STUDS. NOTIFY ARCHITECT TO COORDINATE FINAL REVIEW PRIOR TO CONCRETE PLACEMENT.

5. PLACE REINFORCING BARS ACROSS GIRDERS ON SUPPORTS TO MAINTAIN POSITION AT TOP OF SLAB & ALL RE-ENTRANT CORNERS IN SLAB.

6. CLEAN DECK OF DUST, RUBBLE AND OTHER MATERIALS THAT COULD INTERFERE WITH THE BOND OF THE DECK AND THE CONCRETE.

7. WHEN PLACING CONCRETE, SCREED TO A LEVEL SURFACE. THIS MAY REQUIRE PLACING CONCRETE IN ADJACENT AREAS PRIOR TO FINAL SCREEDING, SO THAT STEELWORK AND DECK DEFLECTION WILL BE INCLUDED IN THE FINAL ELEVATION. IT IS LIKELY THAT MORE CONCRETE WILL BE REQUIRED TO COMPENSATE FOR DEFLECTION.

8. SUBMIT CONSTRUCTION JOINT LOCATIONS FOR ARCHITECT/ENGINEER REVIEW.

9. APPLY CURING METHOD AS SOON AS POSSIBLE AFTER FINISHING.

DIVISION 4 - MASONRY

1. THE LATEST REVISION OF THE FOLLOWING CODES GOVERN THE DESIGN, DETAILING AND CONSTRUCTION OF ALL MASONRY:

   A. THE MASONRY SOCIETY (TMS) TMS 402, BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES.
   B. TMS 602, SPECIFICATIONS FOR MASONRY STRUCTURES.

2. ALL MASONRY SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF F'm = 2000 PSI.

3. ALL MORTAR SHALL BE TYPE S, PROPORTIONED BY VOLUME ACCORDING TO ASTM C270.

4. ALL GROUT SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2000 PSI AND SHALL BE PROPORTIONED BY VOLUME ACCORDING TO ASTM C476.

5. ALL CONCRETE MASONRY UNITS SHALL BE NORMAL WEIGHT ASTM C90, GRADE N, UNITS UNLESS NOTED OTHERWISE. UNITS SHALL HAVE A MINIMUM NET AREA COMPRESSIVE STRENGTH OF 2000 PSI.

6. ALL MASONRY WALLS SHALL HAVE HORIZONTAL JOINT REINFORCEMENT (9 GA, HOT DIPPED GALVANIZED) AT 16" O.C. PROVIDE PREFABRICATED CORNER PIECES AT ALL CORNERS AND INTERSECTIONS OF WALLS.

7. ALL DEFORMED BAR REINFORCING SHALL BE ASTM A615, GRADE 60. AT LOCATIONS WHERE REINFORCING IS TO BE WELDED, THE DEFORMED BAR REINFORCING SHALL BE ASTM A706, GRADE 60.

8. LAP SPLICES IN WALLS SHALL BE DETERMINED IN ACCORDANCE WITH TMS 402 AND ARE INDICATED IN THE TYPICAL DETAILS, THE MINIMUM SPLICE SHALL BE 48 BAR DIAMETERS.

9. ALL MASONRY REINFORCING SHALL BE SECURED IN PLACE WITH REBAR POSITIONERS AND SPACERS.

10. ALL VERTICAL MASONRY WALL REINFORCEMENT SHALL BE CENTERED ON THE WALL, DOWELED INTO THE FOOTINGS, AND GROUTED SOLID, UNLESS NOTED OTHERWISE ON DETAILS.

11. IN ADDITION TO ALL OTHER REINFORCING IN MASONRY WALLS PROVIDE A MINIMUM OF (1) #5 BAR AT EACH SIDE OF ALL OPENINGS, EACH SIDE OF CONTROL JOINTS, AT CORNERS OR ENDS OF WALLS AND AT BEAM OR LINTEL BEARING. BAR TO BE FULL HEIGHT OF WALL.

12. ALL MASONRY WALLS SHALL HAVE A CONTINUOUSLY REINFORCED BOND BEAM NEAR THE TOP OF THE WALL, WITH (2) #5 BARS U.N.O. PROVIDE BENT CORNER BARS AT ALL BOND BEAM INTERSECTIONS. REFER TO APPROPRIATE DETAILS FOR LOCATION OF BOND BEAM.

13. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY WALL BRACING ADEQUATE TO RESIST LATERAL LOADS.

14. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF WALL CONTROL JOINTS AND EXPANSION JOINTS.

15. UNLESS NOTED OTHERWISE ON PLANS, LINTELS IN NON-LOAD BEARING MASONRY WALLS SHALL BE SIZED AS PER THE LOOSE LINTEL SCHEDULE ON THE DRAWINGS.

16. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR TYPE, SIZE, LOCATION AND ATTACHMENT REQUIREMENTS FOR MASONRY VENEER AND OTHER CLADDING.

DIVISION 5 - STRUCTURAL STEEL

1. THE LATEST REVISION OF THE FOLLOWING CODES GOVERN THE DESIGN, DETAILING, FABRICATION AND ERECTION OF ALL STRUCTURAL STEEL.

   A. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) AISC 360, SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS.
   B. AISC 303, CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES.

2. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM MATERIAL SPECIFICATIONS:

   A. W AND WT SHAPES: ASTM A992, GRADE 50 (Fy = 50 KSI).
   B. MISCELLANEOUS SHAPES AND PLATES: ASTM A36 (Fy = 36 KSI).
   C. PIPE: ASTM A53, GRADE B, TYPE E OR S (Fy = 35 KSI).
   D. HOLLOW STRUCTURAL SECTIONS: ASTM A500, GRADE C (Fy = 50 KSI).
   E. ALL COLUMN ANCHOR RODS SHALL BE ASTM F1554 (Fy = 36 KSI).

3. ALL WELDING SHALL BE PERFORMED USING THE ELECTRIC ARC METHOD IN ACCORDANCE WITH THE LATEST REVISION OF THE AMERICAN WELDING SOCIETY (AWS) D1.1 "STRUCTURAL WELDING CODE". E70XX ELECTRODES CONFORMING TO AWS A5.1 OR A5.5 SHALL BE USED FOR SHIELDED METAL ARC METHOD & FX7-ECXX FLUX - ELECTRODE COMBINATION CONFORMING TO AWS A5.17 FOR SUBMERGED ARC METHOD.

4. ALL BOLTS SHALL BE 3/4" DIAMETER ASTM F3125 GRADE A325 TYPE N BOLTS. ALL BOLTED CONNECTIONS SHALL BE SNUG-TIGHT BEARING TYPE BOLTS UNLESS NOTED OTHERWISE.

5. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS SHOWING SIZES, DESIGN VALUES, MATERIALS, DIMENSIONS AND CONNECTIONS.

6. ALL CONNECTIONS NOT SPECIFICALLY DETAILED, SHALL BE DESIGNED AND DETAILED UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL ENGINEER. DETAILING SHALL BE PERFORMED USING RATIONAL ENGINEERING DESIGN AND STANDARD PRACTICE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE GENERAL DETAILS SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY AND DO NOT INDICATE THE REQUIRED NUMBER OF BOLTS OR WELD SIZES, UNLESS SPECIFICALLY NOTED.

7. PROVIDE "SLIP-CRITICAL" CONNECTIONS AT BRACING, WHERE BOLTS ARE IN TENSION AND AT MOMENT CONNECTIONS.

8. ALL BEAM CONNECTIONS ARE TO CONFORM TO AISC STANDARD TWO ANGLE WEB CONNECTIONS CAPABLE OF SUPPORTING 66% OF THE TOTAL UNIFORM LOAD CAPACITY OF THE BEAM OR FOR LOADS INDICATED ON DRAWING. NO CONNECTION SHALL CONSIST OF LESS THAN TWO 3/4" DIAMETER BOLTS OR A WELD DEVELOPING LESS THAN 10 KIPS.

9. DESIGN HORIZONTAL AND VERTICAL BRACING END CONNECTIONS FOR LOADS INDICATED ON THE DRAWINGS OR 50% OF THE TENSILE CAPACITY OF THE MEMBER WHICHEVER IS GREATER.

10. ALL FIELD CONNECTIONS SHALL BE BOLTED UNLESS NOTED OTHERWISE. FIELD WELDING IS NOT ALLOWED EXCEPT WHERE SPECIFICALLY INDICATED OR APPROVED.

11. PROVIDE 3/4" DIAMETER SHOULDER BOLTS WITH LOCK WASHERS AT ALL SLOTTED CONNECTIONS OF WIND COLUMNS OR AS NOTED.

12. ALL SHOP AND FIELD WELDS SHALL BE VISUALLY INSPECTED PER AWS D1.1. ALL DEFICIENT OR NON CONFORMING ITEMS SHALL BE REPORTED TO THE ENGINEER WHO WILL DETERMINE THE CORRECTIVE ACTION REQUIRED.

13. ALL BEAMS SHALL BE FABRICATED WITH THE NATURAL CAMBER UP. PROVIDE CAMBERS AS INDICATED ON THE DRAWINGS.

14. GROUT REQUIRED UNDER COLUMN BASE PLATES AS SHOWN IN THE DETAILS SHALL BE A STANDARD NON-SHRINK GROUT SUCH AS "MASTERFLOW 100" BY MASTER BUILDERS.

15. PRIME PAINT ALL STRUCTURAL STEEL WITH FABRICATOR'S STANDARD LEAD AND CHROMATE- FREE, NONASPHALTIC, RUST-INHIBITING PRIMER COMPLYING WITH MASTER PAINTER INSTITUTE (MPI) #79. APPLY PRIMER ACCORDING TO THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND AT RATE RECOMMENDED BY SSPC TO PROVIDE A MINIMUM DRY FILM THICKNESS OF 1.5 MILS. USE PRIMING METHODS THAT RESULT IN FULL COVERAGE OF JOINTS, CORNERS, EDGES, AND EXPOSED SURFACES. TOUCH-UP DAMAGED OR MISSING PAINT AFTER STEEL ERECTION IS COMPLETE. OMIT PAINT AT: HOLES FOR SLIP CRITICAL CONNECTIONS, AT STEEL TO BE FIRE PROOFED, AT STEEL ENCASED IN CONCRETE AND ON THE TOP FLANGE OF STEEL BEAMS WITH SHEAR CONNECTIONS.

16. PROVIDE AND HAVE IN PLACE ADEQUATE LATERAL BRACING AND VERTICAL SUPPORTS FOR THE SAFE ERECTION AND TRUE ALIGNMENT OF THE STRUCTURAL STEEL. THIS CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR THE SAFE ERECTION AND TEMPORARY BRACING OF STRUCTURAL STEEL.

17. VERIFY NUMBER AND SIZE OF OPENINGS IN ROOF, WALLS AND FLOOR WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS. SEE DETAILS, AND SPECIFICATIONS, FOR STRUCTURAL REQUIREMENTS. VERIFY ALL INFORMATION WITH THE APPROPRIATE CONTRACTOR.

18. ALL DIMENSIONS RELATED TO STRUCTURAL STEEL USED TO SUPPORT EQUIPMENT OR FRAME OPENINGS SHALL BE VERIFIED WITH CERTIFIED AND APPROVED SHOP DRAWINGS OF PURCHASED EQUIPMENT PRIOR TO DETAILING AND FABRICATION.

19. PROVIDE L3x3x1/4 SHELF ANGLES AT TOPS OF COLUMNS AS REQUIRED TO SUPPORT ROOF DECK.

20. ALL EDGES OF METAL DECK SHALL BE SUPPORTED AT A CHANGE IN DECK SPAN WHETHER SHOWN ON DRAWINGS OR NOT. PROVIDE TUBE STEEL OR A DOUBLE ANGLE BETWEEN JOIST OR STRUCTURAL STEEL AND METAL DECK.

21. ALL FREE EDGES OF METAL DECK SHALL BE SUPPORTED WITH AN EDGE ANGLE L3x3x1/4 OR OTHER SUITABLE SUPPORT. THIS SHALL BE PROVIDED WHETHER SHOWN ON DRAWINGS OR NOT.

22. ALL BEAMS, JOISTS, OR LINTELS BEARING ON MASONRY WALLS SHALL HAVE BEARING PLATES WITH ANCHOR BOLTS. IF NOT NOTED ON PLAN, SEE TYPICAL DETAILS.

23. ALL WF BEAMS SUPPORTING MASONRY AND WITH SPANS GREATER THAN 6'-0" SHALL HAVE 1/2" DIAMETER BY 6" LONG HEADED CONCRETE ANCHORS SPACED AT 2'-0" O.C. WELDED TO THE TOP FLANGE.

24. ALL STEEL IN EXTERIOR MASONRY WALLS IS TO BE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A-123.

DIVISION 5 - STEEL DECK

1. THE LATEST REVISION OF THE FOLLOWING CODES GOVERN THE DESIGN, DETAILING, MANUFACTURING AND ERECTION OF STEEL DECK.

   A. STEEL DECK INSTITUTE (SDI) MOC3, MANUAL OF CONSTRUCTION WITH STEEL DECK.
   B. SDI FDDM, FLOOR DECK DESIGN MANUAL.
   C. SDI RDDM, ROOF DECK DESIGN MANUAL.

2. MEZZ FLOOR DECK SHALL BE AS FOLLOWS:

   A. ALL FLOOR DECK SHALL BE 2" DEEP, 20 GA, WIDE RIB GALVANIZED DECK 2.0VLI BY VULCRAFT OR APPROVED EQUAL. ALL DECKS SHALL SPAN A MINIMUM OF 3 SPANS WHERE POSSIBLE.
   B. GRADE 50 STEEL, FY = 50 KSI.
   C. FASTEN FLOOR DECK TO ALL SUPPORTS AND AT PERIMETER WITH 5/8" DIAMETER PUDDLE WELDS @ 6" O.C., FASTEN SIDE LAPS WITH #10 TEK SCREWS, 2 PER SPAN.

3. ALL ROOF DECK SHALL BE AS FOLLOWS:

   A. ALL ROOF DECK SHALL BE 1 1/2" DEEP 20 GA WIDE RIB GALVANIZED DECK, 3 SPAN MINIMUM. 1.5B BY VULCRAFT OR AN APPROVED EQUAL.
   B. FASTEN ROOF DECK TO ALL SUPPORTS AND AT PERIMETER WITH 5/8" DIAMETER PUDDLE WELDS @ 6" O.C. AT SUPPORTS AND 6" O.C. AT PERIMETER. FASTEN SIDE LAPS WITH #10 TEK SCREWS, 2 PER SPAN.

4. ALL OTHER DECK SHALL BE AS FOLLOWS:

   A. DECK SHALL BE 3" DEEP 16 GA WIDE RIB GALVANIZED DECK, 3.0VLI BY VULCRAFT OR AN APPROVED EQUAL.
   B. FASTEN ROOF DECK TO ALL SUPPORTS AND AT PERIMETER WITH 5/8" DIAMETER PUDDLE WELDS @ 6" O.C. AT SUPPORTS AND 6" O.C. AT PERIMETER. FASTEN SIDE LAPS WITH #10 TEK SCREWS, 2 PER SPAN.

5. PROVIDE ADDITIONAL SUPPORT FRAMING AT OPENINGS IN ROOF AND FLOOR PER TYPICAL DETAILS. COORDINATE LOCATIONS WITH APPROPRIATE TRADES.

6. THE CONTRACTOR SHALL FURNISH ALL ACCESSORIES INCLUDING CLOSURES, "Z" CLOSURES, COLUMN CLOSURES, SCREED ANGLES, GIRDER FILLERS, CANT STRIP, FILLER SHEET AND REINFORCING CHANNEL, AS REQUIRED.

7. ALL DECKING SHALL BE WELDED TO STRUCTURAL STEEL BY QUALIFIED WELDERS USING PRE-QUALIFIED PROCEDURES. THE ERECTOR SHALL ESTABLISH A WELDING PROCEDURE FOR THE PLUG WELD OF THE STEEL DECKING TO THE STRUCTURAL STEEL FOR THE PARTICULAR GAGE USED. PRIOR TO THE START OF ERECTION OF THE STEEL DECK, EACH WELDER SHALL BE QUALIFIED USING THIS PROCEDURE AS WITNESSED BY THE OWNER'S TESTING AGENCY.

8. THE METAL DECK SHALL BE DESIGNED TO BE CONTINUOUS OVER THREE (3) SPANS IN THE DIRECTION INDICATED. SINGLE AND DOUBLE SPANS, IF REQUIRED, SHALL SATISFY LOAD AND DEFLECTION REQUIREMENTS.

9. NO LOADS SHALL BE PERMITTED TO BE HUNG FROM ANY ROOF DECK. ALL HANGERS FOR CEILINGS, DUCTWORK, ELECTRICAL CONDUIT, PIPING, ETC. SHALL BE HUNG DIRECTLY FROM STRUCTURAL STEEL WORK OR SUPPLEMENTARY MEMBERS.

DIVISION 5 - COLD FORMED METAL FRAMING

1. THE LATEST REVISION OF THE FOLLOWING CODES GOVERN THE DESIGN, DETAILING, FABRICATION AND ERECTION OF COLD FORMED METAL FRAMING.

   A. AMERICAN IRON AND STEEL INSTITUTE (AISI) AISI S200, NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRAMING - GENERAL PROVISIONS.
   B. AISI S201, NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRAMING - PRODUCT DATA.
   C. AISI S202, CODE OF STANDARD PRACTICE FOR COLD-FORMED STEEL STRUCTURAL FRAMING.

2. COLD FORMED STEEL SHALL CONFORM TO THE FOLLOWING ASTM MATERIAL SPECIFICATIONS:

   A. ASTM A446, Fy = 33 KSI FOR MATERIAL 0.0478 INCH (18 GAGE) OR THINNER.
   B. ASTM A446, Fy = 50 KSI FOR MATERIAL 0.0598 INCH (16 GAGE) OR THICKER.

3. ALL COLD FORMED STEEL SHALL HAVE A GALVANIZED COATING CONFORMING TO ASTM A653-G60.

4. ALL WELDING SHALL CONFORM TO AWS D1.3 SPECIFICATION FOR WELDING SHEET STEEL STRUCTURES AND AWS D19.0 WELDING ZINC COATED STEEL.

5. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS SHOWING SIZES, DESIGN VALUES, MATERIALS, DIMENSIONS, CONNECTIONS AND CALCULATIONS WHICH HAVE BEEN PREPARED UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL ENGINEER.

6. UNLESS SPECIFICALLY NOTED, ALL MATERIAL SHALL BE A MINIMUM 18 GAUGE (MINIMUM 16 GAUGE FOR STUDS SERVING AS BACKUP FOR BRICK VENEER) THICKNESS, AND SHALL MEET THE DEFLECTION REQUIREMENTS OF THE FINISH MATERIAL TO BE ATTACHED TO THE COLD FORMED FRAMING WORK. DEFLECTION OF COLD FORMED STUDS, UNDER WIND LOADS, SERVING AS BACKUP FOR BRICK VENEER SHALL NOT EXCEED SPAN/720.

7. ALL STUDS AND JOISTS SHALL BE INSTALLED AT SPACING INDICATED ON THE DRAWINGS, UNLESS NOTED, EACH SIDE OF THE OPENINGS SHALL BE FRAMED WITH DOUBLE STUDS.

8. ALL STUDS AND JOISTS SHALL HAVE A BRIDGING LINE INSTALLED AT A MAXIMUM DISTANCE OF 4'-0" AND 5'-0" RESPECTIVELY.

9. ALL JOISTS SHALL HAVE WEB STIFFENERS AT REACTION POINTS AND CONCENTRATED LOADS.

10. STRUCTURAL CONNECTIONS OF COLD FORMED METAL FRAMING MEMBERS SHALL BE MADE PER MANUFACTURER'S RECOMMENDATIONS, ADEQUATE TO CARRY THE IMPOSED LOADS, AND CONFORMING TO THE AISI AND AWS SPECIFICATIONS.

11. NON LOAD BEARING WALLS OR CURTAIN WALLS SHALL BE DESIGNED AND CONNECTED TO ALLOW FOR DEFLECTION OF THE BUILDING STRUCTURE.

DIVISION 31 - FOUNDATIONS/BACKFILL

1. CONTRACTOR SHALL REVIEW A COPY OF THE GEOTECHNICAL REPORT PREPARED FOR THIS PROJECT.

2. FOUNDATIONS ARE DESIGNED FOR A MAXIMUM ALLOWABLE BEARING CAPACITY OF 2500 PSF. FOUNDATIONS SHALL BEAR ON NATURAL UNDISTURBED SOILS OR ON ENGINEERED FILL.

3. THE OWNER WILL RETAIN THE SERVICES OF A GEOTECHNICAL ENGINEER TO MONITOR THE FOUNDATION WORK AND DETERMINE THE QUALITY OF THE SOIL AT ALL FOOTING LOCATIONS. IF UNSUITABLE MATERIALS ARE ENCOUNTERED AT THE FOOTING LOCATIONS, THE UNSUITABLE SHALL BE REMOVED AND REPLACED OR THE FOOTINGS LOWERED AT THE DIRECTION OF THE ENGINEER.

4. THE CONTRACTOR SHALL BE AWARE OF AND VERIFY LOCATION OF ALL UNDERGROUND UTILITIES, TANKS, ETC. DUE CARE SHALL BE EXERCISED DURING EXCAVATION SUCH THAT EXISTING UTILITIES ARE NOT DAMAGED.

5. ALL EXCAVATED MATERIAL SHALL BE TRANSPORTED TO A DISPOSAL AREA DESIGNATED BY THE OWNER ALL EXCAVATIONS SHALL CONFORM TO MI-OSHA REQUIREMENTS. ANY PERCHED GROUNDWATER ENTERING THE EXCAVATION SHALL BE PUMPED PRIOR TO PLACING CONCRETE.

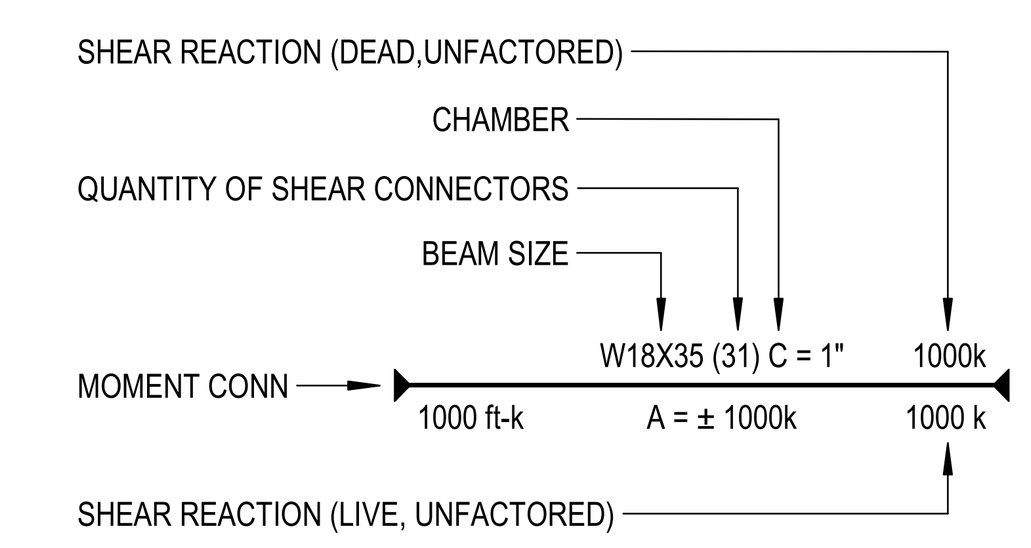
6. ALL BACKFILL MATERIALS SHALL CONFORM TO MDOT CLASS II MATERIAL. ALL BACKFILL SHALL BE PLACED IN 9" LOOSE LIFTS AND COMPACTED TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY DETERMINED IN ACCORDANCE WITH ASTM D-1557 (MODIFIED PROCTOR). FIELD DENSITY TESTING SHALL BE PERFORMED IN ACCORDANCE WITH ASTM D-2922 OR D-1556 WITH A MINIMUM OF 1 TEST PER 1500 SQ FEET OF AREA PER 9" LIFT (MINIMUM OF (3) TEST PER LIFT).

DESIGN CRITERIA

DESIGN CRITERIA
MICHIGAN BUILDING CODE 2021 (ASCE 7-16)
RISK CATEGORY III

ROOF DEAD LOADS	
• PEMB SELF WT	PSF
• MECHANICAL AND ELECTRICAL	4 PSF
• MISCELLANEOUS COLLATERAL	6 PSF
• FUTURE SOLAR	5 PSF
TOTAL	**15 PSF + SELF WT**
2ND FLOOR DEAD LOADS	
• 5" N.W. CONCRETE ON 2" METAL DECK	56 PSF
• PONDING	3 PSF
• STRUCTURAL STEEL	5 PSF
• CEILING	3 PSF
• MECHANICAL AND ELECTRICAL	5 PSF
• MISCELLANEOUS	4 PSF
	76 **PSF**
MEZZANINE	
• CORRIDORS	80 PSF
• FLOORS	100 PSF
ROOF LIVE LOADS	
• MINIMUM LOAD	20 PSF
METAL STAIR	
• LIVE LOAD	100 PSF
• LIVE LOAD DEFLECTION	1/2" OR L/360
•	
SNOW LOADS	
• IMPORTANCE FACTOR	I_s = 1.1
• GROUND SNOW LOAD	P_g = 25 PSF
• SNOW EXPOSURE FACTOR	C_e = 1.0
• THERMAL FACTOR	C_t = 1.0
• FLAT USE SNOW	P_f = 20 PSF (TYPICAL ROOF)
• MINIMUM SNOW LOAD	P_m= 22 PSF
• SNOW DRIFT PER ASCE 7	
WIND LOADS	
• BASIC WIND SPEED	115 MPH (3 SEC GUST)
• EXPOSURE CATEGORY	C
• COMPONENTS AND CLADDING PER ASCE 7	
SEISMIC DESIGN DATA	
• SITE CLASS	D
• RESPONSE COEFFICIENTS	SD_S = 0.109
	SD_1 = 0.076
• SEISMIC DESIGN CATEGORY	B

D. GENERAL SERVICEABILITY LIMITS:
- DEFLECTION LIMITS SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE METAL BUILDING SYSTEMS MANUAL (MBMA), LATEST EDITION.
- VERTICAL DEFLECTION LIMITS APPLY FOR APPLICABLE LOAD COMBINATIONS INCLUDING SNOW LOAD (50-YEAR MEAN-RECURRENCE INTERVAL), COLLATERAL LOAD, AND LIVE LOAD. THE HORIZONTAL DRIFT AND DEFLECTIONS LIMITS APPLY FOR THE LOADS INDUCED BY A BASIC WIND SPEED CORRESPONDING TO A 10 YEAR MEAN-RECURRENCE INTERVAL.



NOTE:
SHEAR CONNECTORS FOR COMPOSITE BEAMS SHALL BE 3/4" Ø X 3 1/2" LONG. LENGTH INDICATED SHALL BE THE FINAL LENGTH AFTER WELDING.

ABBREVIATIONS

@	AT
A.B.	ANCHOR BOLT
ADD'L	ADDITIONAL
A.F.F.	ABOVE FINISHED FLOOR
B.C.	BOTTOM CHORD
B.O.	BOTTOM OF
B.O.D.	BOTTOM OF DECK
B.O.F.	BOTTOM OF FOOTING
B.O.S.	BOTTOM OF STEEL
B.O.T.	BOTTOM OF TRUSS
B.S.	BOTH SIDES
BM	BEAM
BOTT	BOTTOM
BRG	BEARING
C.L.	CENTER LINE
CJ	CONTROL JOINT
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
CSJ	CONSTRUCTION JOINT
DET	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DL	DEAD LOAD
DWG	DRAWING
E.F.	EACH FACE
EA	EACH
ELEV	ELEVATION
EQ	EQUAL
EX	EXISTING
F.S.	FAR SIDE
F.V.	FIELD VERIFY
FIN	FINISH
FLG	FLANGE
FLR	FLOOR
FDN	FOUNDATION
FT	FOOT
FTG	FOOTING
GA	GAGE
G.L.	GIRT LINE
H.P.	HIGH POINT
HORIZ	HORIZONTAL
k	KIPS
LG	LONG
L.P.	LOW POINT
LL	LIVE LOAD
L.L.H.	LONG LEG HORIZONTAL
L.L.V.	LONG LEG VERTICAL
LN	LINE
L.S.H.	LONG SIDE HORIZONTAL
MAX	MAXIMUM
MTL	METAL
MIN	MINIMUM
MISC	MISCELLANEOUS
N.S.	NEAR SIDE
N.T.S.	NOT TO SCALE
NO	NUMBER
O.C.	ON CENTER
OPP	OPPOSITE
PC	PIECE
PL	PLATE
PLCS	PLACES
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
REF	REFERENCE
REINF	RINFORC-ED, -ING, EMENT
REQ'D	REQUIRED
SCHED	SCHEDULE
SECT	SECTION
SIM	SIMILAR
SPA	SPACES
STD	STANDARD
STL	STEEL
T.O.	TOP OF
T.O.C.	TOP OF CONCRETE
T.O.F.	TOP OF FOOTING
T.O.M.	TOP OF MASONRY
T.O.S.	TOP OF STEEL
TYP	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
VERT	VERTICAL
W.P.	WORK POINT
W/	WITH
WWR	WELDED WIRE REINFORCEMENT

ARCHITECTURE

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WILLIAM A. KIBBE & ASSOCIATES, INC.
ENGINEERS | ARCHITECTS | SURVEYORS

PROJECT TITLE
NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE
Structural General Notes

N

KEY PLAN

ISSUE DATES

DATE:	ISSUED FOR:
02-26-2026	D.R. 2 - CONSTRUCTION DOCUMENTS
02-12-2026	OWNER REVIEW
01-23-2026	90% CONSTRUCTION DOCUMENTS
12-19-2025	DESIGN DEVELOPMENT
12-16-2025	BID PACKAGE NO. 1 PEMB

DRAWN	A. FISCHHABER
CHECKED	B. KANNERS
APPROVED	E. MANNOR

PROJECT NO.
25026E

DRAWING NO.
S0.0

Autodesk Docs://25026E_Dexter - New Field House/2514730220_Dexter Athletic Facility_S_v25.rvt
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STATEMENT OF SPECIAL INSPECTIONS

1. SPECIAL INSPECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE 2021 MICHIGAN (INTERNATIONAL) BUILDING CODE CHAPTER 17 AND AS MODIFIED HEREIN.
2. DESIGNATIONS:
   SI - SPECIAL INSPECTOR QUALIFIED WITH DEMONSTRATED COMPETENCE DOCUMENTED BY CERTIFICATIONS FROM RECOGNIZED AGENCIES SUCH AS AWS, ACI, MASONRY INSTITUTE OF MICHIGAN (MIMI), ETC., AS SUBMITTED AND APPROVED BY THE BUILDING OFFICIAL. SPECIAL INSPECTOR MAY BE A FIRM WITH MULTIPLE SPECIALISTS AND A PROJECT MANAGER PROVIDING REPORTS.
   TA - TESTING AGENCY QUALIFIED TO TEST AND INSPECT MATERIALS AND ASSEMBLIES. TESTING AGENCY SHALL BE UNDER THE SUPERVISION OF THE SPECIAL INSPECTOR.
   GE - GEOTECHNICAL ENGINEER WHO PROVIDED THE ORIGINAL GEOTECHNICAL SOILS INVESTIGATION REPORT.
   SE - SPECIALTY ENGINEER RESPONSIBLE FOR DESIGNING ASSEMBLIES SUCH AS PRECAST CONCRETE, STEEL JOISTS, COLD FORMED FRAMING ASSEMBLIES, ETC. SPECIALTY ENGINEER SHALL PROVIDE OBSERVATION OF FABRICATED AND INSTALLED ITEMS OF THEIR DESIGN IN ADDITION TO THE SPECIAL INSPECTION.
3. TA, GE, AND SE SHALL SUBMIT RECORDS OF THE INSPECTION RESULTS TO THE SI. THE SI SHALL COMPILE AND SUBMIT INSPECTION RECORDS TO THE ARCHITECT/ENGINEER AND BUILDING OFFICIAL. RECORDS SHALL INCLUDE STATEMENTS OF TESTS, WHETHER INSTALLED/FABRICATED ITEM COMPLIES WITH CONTRACT DOCUMENTS, REMEDIAL WORD PERFORMED, RETESTS.
4. SI SHALL PROVIDE A DAILY REPORT OF ANY DISCREPANCIES FROM THE CONTRACT DOCUMENTS FOUND ON THE SAME DAY OF THE INSPECTION TO THE ENGINEER OF RECORD. FORMAL REPORTS OF COMPLIANCE CAN FOLLOW BY A MAXIMUM OF 2 WEEKS. SI SHALL PROVIDE AND SIGN FINAL REPORT WITH A SUMMARY OF ALL TESTS PERFORMED AND RESULTS TO THE ENGINEER OF RECORD AND BUILDING OFFICIAL, IN ACCORDANCE WITH SECTION 1704.2.4.
5. SI, TA & GE SHALL BE ENGAGED BY THE OWNER IN COMPLIANCE WITH THE MICHIGAN (INTERNATIONAL) BUILDING CODE.
6. WHERE FABRICATION OF STRUCTURAL, LOAD-BEARING, OR LATERAL LOAD-RESISTING MEMBERS OR ASSEMBLIES IS BEING CONDUCTED ON THE PREMISES OF A FABRICATOR'S SHOP, SPECIAL INSPECTIONS OF THE FABRICATED ITEMS SHALL BE PERFORMED DURING FABRICATION. SPECIAL INSPECTIONS DURING FABRICATION ARE NOT REQUIRED WHERE THE FABRICATOR MAINTAINS APPROVED DETAILED FABRICATION AND QUALITY CONTROL PROCEDURES THAT PROVIDE A BASIS FOR CONTROL OF THE WORKMANSHIP AND THE FABRICATORS ABILITY TO CONFORM TO APPROVED CONSTRUCTION DOCUMENTS AND THE GOVERNING BUILDING CODE. APPROVAL SHALL BE BASED UPON REVIEW OF FABRICATION AND QUALITY CONTROL PROCEDURES AND PERIODIC INSPECTION OF FABRICATION PRACTICES BY THE BUILDING OFFICIAL. SPECIAL INSPECTIONS ARE NOT REQUIRED WHERE THE FABRICATOR IS REGISTERED AND APPROVED IN ACCORDANCE WITH SECTION 1704.2.5.1.
7. REFER TO SPECIAL INSPECTION SCHEDULES AND STRUCTURAL GENERAL NOTES FOR ADDITIONAL QUALITY CONTROL TESTING AND INSPECTIONS.

SPECIAL INSPECTION REQUIREMENTS - SOILS AND FOUNDATIONS

INSPECTION TASK	INSPECTION FREQUENCY		REFERENCED STANDARD	IBC REFERENCE	RESPONSIBLE AGENT
	CONTINUOUS	PERIODIC			
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	-	X	GEOTECHNICAL REPORT	1705.6	SI/GE
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	-	X	GEOTECHNICAL REPORT	1705.6	SI/GE
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	-	X	GEOTECHNICAL REPORT	1705.6	SI/GE/TA
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	-	GEOTECHNICAL REPORT	1705.6	SI/GE/TA
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	-	X	GEOTECHNICAL REPORT	1705.6	SI/GE/TA

SPECIAL INSPECTION REQUIREMENTS - CONCRETE CONSTRUCTION

INSPECTION TASK	INSPECTION FREQUENCY		REFERENCED STANDARD	IBC REFERENCE	RESPONSIBLE AGENT
	CONTINUOUS	PERIODIC			
1. INSPECT REINFORCEMENT AND VERIFY PLACEMENT.	-	X	ACI 318: Ch 20, 25.2, 25.3, 26.6.1-26.6.3	1908.4	SI
2. REINFORCING BAR WELDING:					
A. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706.	-	X	AWS D1.4 ACI 318: 26.36.4	-	SI
B. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16".	-	X			
C. INSPECT ALL OTHER WELDS.	X	-			
3. INSPECT ANCHORS CAST IN CONCRETE.	-	X	ACI 318: 17.8.2	-	SI/TA
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.					
A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.	X	-	ACI 318: 17.8.2.4	-	SI/TA
B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.A.	-	X	ACI 318: 17.8.2	-	SI/TA
5. VERIFY USE OF REQUIRED DESIGN MIX.	-	X	ACI 318: Ch 19, 26.4.3, 26.4.4	1904.1, 1904.2, 1908.3	SI/TA
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	-	ASTM C172 ASTM C31 ACI 318: 26.5, 26.12	1904.1, 1904.2, 1908.3	SI/TA
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	-	ACI 318: 26.5	1908.6, 1908.7, 1908.8	SI
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	-	X	ACI 318: 26.5.3-26.5.5	1908.9	SI
9. INSPECT FORMWORK FOR SHAPE, LOCATION, AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	-	X	ACI 318: 26.11.1.2(b)	-	SI

SPECIAL INSPECTION REQUIREMENTS - POST-INSTALLED ANCHORS

INSPECTION TASK	INSPECTION FREQUENCY		REFERENCED STANDARD	IBC REFERENCE	RESPONSIBLE AGENT
	CONTINUOUS	PERIODIC			
1. INSPECT AND TEST ALL POST-INSTALLED MECHANICAL AND ADHESIVE ANCHORS MANUFACTURER'S ICC-ESR EVALUATION REPORT FOR EACH ANCHOR.	X	-	ICC-ESR FOR EACH ANCHOR	1705.1.1	SI/TA

SPECIAL INSPECTION REQUIREMENTS - STEEL CONSTRUCTION OTHER THAN STRUCTURAL STEEL

INSPECTION TASK	INSPECTION FREQUENCY		REFERENCED STANDARD	IBC REFERENCE	RESPONSIBLE AGENT
	CONTINUOUS	PERIODIC			
1. MATERIAL VERIFICATION OF COLD-FORMED STEEL DECK:					SI/TA
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	-	X	APPLICABLE ASTM MATERIAL...	1705.2.2	
B. MANUFACTURER'S CERTIFIED TEST REPORTS.	-	X	-	-	
2. INSPECTION OF WELDING:					
A. COLD-FORMED STEEL DECK:					
1. FLOOR AND ROOF DECK WELDS.	-	X	AWS D1.3	1705.2.2	
B. REINFORCING STEEL:					
1. VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A706.	-	X	AWS D1.4, ACI 318: SECTION 3.5.2	1705.2.2	
2. REINFORCING STEEL RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, AND BOUNDARY ELEMENTS OF SPECIAL STRUCTURAL WALLS OF CONCRETE AND SHEAR...	NA	-			
3. SHEAR REINFORCMENT.	NA	-			
4. OTHER REINFORCING STEEL.	-	X			

SPECIAL INSPECTION REQUIREMENTS - OPEN WEB STEEL JOISTS AND JOIST GIRDERS

INSPECTION TASK	INSPECTION FREQUENCY		REFERENCED STANDARD	IBC REFERENCE	RESPONSIBLE AGENT
	CONTINUOUS	PERIODIC			
1. INSTALLATION OF OPEN WEB STEEL JOISTS AND JOIST GIRDERS:			SJI SPECIFICATION SECTION 2207.1	-	SI/SE
A. END CONNECTIONS, WELDED OR BOLTED	-	X			
2. BRIDGING, HORIZONTAL OR DIAGONAL:					
A. BRIDGING THAT DIFFERS FROM THE SJI SPECIFICATIONS LISTED IN SECTION 2207.1.	-	X			

SPECIAL INSPECTION REQUIREMENTS - STRUCTURAL STEEL

INSPECTION TASK	INSPECTION FREQUENCY		REFERENCED STANDARD	IBC REFERENCE	RESPONSIBLE AGENT
	CONTINUOUS	PERIODIC			
1. INSPECTION OF STEEL FABRICATED ITEMS SHALL BE PERFORMED ON PREMISES DURING FABRICATION.	-	X	AISC QUALITY CERTIFICATION	1704.2.5	SI
A. EXCEPTIONS: SPECIAL INSPECTIONS DURING FABRICATION NOT REQUIRED WHERE THE FABRICATOR IS REGISTERED AND APPROVED IN ACCORDANCE WITH SECTION 1704.2.5.1.	-	-			
2. SPECIAL INSPECTIONS AND NONDESTRUCTIVE TESTING OF STRUCTURAL STEEL ELEMENTS IN BUILDINGS AND PORTIONS THEREOF SHALL BE IN ACCORDANCE WITH QUAITY ASSURANCE INSPECTION REQUIREMENTS OF AIS.	X	X	AISC QUALITY CERTIFICATION	1704.2.5	SI
A. SPECIAL INSPECTIONS OF RAILING SYSTEMS COMPOSED OF STRUCTURAL STEEL ELEMENTS SHALL BE LIMITED TO WELDING INSPECTIONS AT THE BASE OF CANTILEVERED RAIL POSTS.	-	X	AISC QUALITY CERTIFICATION	1704.2.5	SI

QUALITY CONTROL (QC) SHALL BE PROVIDED BY THE FABRICATOR AND ERECTOR. QUAILTY ASSURANCE (QA) SHALL BE PROVIDED BY OTHERS WHEN REQUIRED BY THE AUTHORITY HAVING JURISDICTION, APPLICABLE BUILDING CODE, OWNER, OR ENGINEER OF RECORD.

INSPECTION TASK	INSPECTION FREQUENCY		REFERENCED STANDARD	IBC REFERENCE	RESPONSIBLE AGENT
	QC	QA			
INSPECTION OF BOLTING			AISC 360, SECTION N5, TABLE N5.6-1	1705.2	SI/TA
1. INSPECTION TASKS PRIOR TO BOLTING:					
A. MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER...	O	P			
B. FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS.	O	O			
C. CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE).	O	O			
D. CORRECT BOLTING PROCEDURE SELECTED FOR JOINT DETAIL.	O	O			
E. CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS.	O	O			
F. PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHOD USED.	P	O			
G. PROTECTED STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER...	O	O			
2. INSPECTION TASKS DURING BOLTING:			AISC 360, SECTION N5, TABLE N5.6-2	1705.2	SI/TA
A. FASTENER ASSEMBLIES PLACED IN ALL HOLES AND WASHERS AND NUTS ARE POSITIONED AS REQUIRED.	O	O			
B. JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION.	O	O			
C. FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTING FROM ROTATING.	O	O			
D. FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FRO THE MOST RIGID POINT TOWARD THE FREE EDGES.	O	O			
3. INSPECTION TASKS AFTER BOLTING:			AISC 360, SECTION N5, TABLE N5.6-3	1705.2	SI/TA
A. DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS.	P	P			

O: OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.
P: PERFORM THESE TASKS FOR EACH BOLTED CONNECTION.

INSPECTION TASK	INSPECTION FREQUENCY		REFERENCED STANDARD	IBC REFERENCE	RESPONSIBLE AGENT
	QC	QA			
INSPECTION OF WELDING			AISC 360, SECTION N5, TABLE N5.4-1	1705.2	SI/TA
1. INSPECTION TASKS PRIOR TO WELDING:					
A. WELDER QUALIFICATION RECORDS AND CONTINUITY RECORDS.	P	O			
B. WELDING PROCEDURE SPECIFICATIONS (WPSs) AVAILABLE.	P	P			
C. MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES...	P	P			
D. MATERIAL IDENTIFICATION (TYPE/GRADE).	O	O			
E. WELDER IDENTIFICATION SYSTEM.	O	O			
F. FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY): - JOINT PREPARATIONS - DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) - CLEANLINESS (CONDITION OF STEEL SURFACES) - TACKING (TACK WELD QUALITY AND LOCATION) - BACKING TYPE AND FIT (IF AVAILABLE)	O	O			
G. FIT-UP OF CJP WELDS OF HSS, T-, Y-, AND K-JOINTS WITHOUT BACKING (INCLUDING JOINT GEOMETRY): - JOINT PREPARATIONS - DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) - CLEANLINESS (CONDITION OF STEEL SURFACES) - TACKING (TACK WELD QUALITY AND LOCATION)	P	O			
H. CONFIGURATION AND FINISH OF ACCESS HOLES.	O	O			
I. FIT-UP OF FILLET WELDS: - DIMENSIONS (ALIGNMENT, GAPS AT ROOT) - CLEANLINESS (CONDITION OF STEEL SURFACES) - TACKING (TACK WELD QUALITY AND LOCATION)	O	O			
J. CHECK WELDING EQUIPMENT.	O	O			
2. INSPECTION TASKS DURING WELDING:			AISC 360, SECTION N5, TABLE N5.4-2	1705.2	SI/TA
A. CONTROL AND HANDLING OF WELDING CONSUMABLES: - PACKAGING - EXPOSURE CONTROL	O	O			
B. NO WELDING OVER CRACKED TACK WELDS.	O	O			
C. ENVIRONMENTAL CONDITIONS: - WIND SPEED WITHIN LIMITS - PRECIPITATION AND TEMPERATURE	O	O			
D. WPS FOLLOWED: - SETTINGS ON WELDING EQUIPMENT - TRAVEL SPEED - SELECTED WELDING MATERIALS - SHIELDING GAS TYPE/FLOW RATE - PREHEAT APPLIED - INTERPASS TEMPERATURE MAINTAINED (MIN/MAX)...	O	O			
E. WELDING TECHNIQUES: - INTERPASS AND FINAL CLEANING - EACH PASS WITHIN PROFILE LIMITATIONS - EACH PASS MEETS QUALITY REQUIREMENTS	O	O			
F. PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS.	P	P			
3. INSPECTION TASKS AFTER WELDING:			AISC 360, SECTION N5, TABLE N5.4-3	1705.2	SI/TA
A. WELDS CLEANED.	O	O			
B. SIZE, LENGTH AND LOCATION OF WELDS.	P	P			
C. WELDS MEET VISUAL ACCEPTANCE CRITERIA: - CRACK PROHIBITION - WELD/BASE-METAL FUSION - CRATER CROSS SECTION - WELD PROFILES - WELD SIZE - UNDERCUT	P	P			
D. ARC STRIKES.	P	P			
E. K-AREA.	P	P			
F. WELD ACCESS HOLES IN ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES.	P	P			
G. BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED).	P	P			
H. REPAIR ACTIVITIES.	P	P			
I. DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR...	P	P			
J. NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR.	O	O			

O: OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.
P: PERFORM THESE TASKS FOR EACH WELDED JOINT OR MEMBER.

INSPECTION OF STEEL ELEMENTS OF COMPOSITE CONSTRUCTION PRIOR TO CONCRETE PLACEMENT:			AISC 360, SECTION N6, TABLE N6.1	1705.2	SI/TA
1. PLACEMENT AND INSTALLATION OF STEEL DECK.	P	P			
2. PLACEMENT AND INSTALLATION STEEL HEADED STUD ANCHORS.	P	P			
3. DOCUMENT ACCEPTANCE OR REJECTION OF STEEL ELEMENTS.	P	P			

O: OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.
P: PERFORM THESE TASKS FOR EACH STEEL ELEMENT.

SPECIAL INSPECTION REQUIREMENTS - MASONRY CONSTRUCTION

MINIMUM TESTS

VERIFICATION OF SLUMP FLOW AND VISUAL STABILITY INDEX (VSI) AS DELIVERED TO THE PROJECT SITE IN ACCORDANCE WITH ARTICLE 1.5 B.1.b.3 FOR SELF-CONSOLIDATING GROUT

VERIFICATION OF f'_m AND f'_{MC} IN ACCORDANCE WITH ARTICLE 1.4 B PRIOR TO CONSTRUCTION, EXCEPT WHERE SPECIFICALLY EXEMPTED BY THE CODE.

MINIMUM INSPECTION

INSPECTION TASK	INSPECTION FREQUENCY		REFERENCED FOR CRITERIA	
	CONTINUOUS	PERIODIC	TMS 402/ ACI 530/ ASCE 5	TMS 602/ ACI 530.1/ ASCE 6
1. VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS.	-	X		Art. 1.5
2. AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:				
A. PROPORTIONS OF SITE-PREPARED MORTAR.	-	X		Art. 2.1, 2.6 A
B. CONSTRUCTION OF MORTAR JOINTS.	-	X		Art. 3.3. B
C. GRADE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGES.	-	X		Art. 2.4 B, 2.4 H
D. LOCATION OF REINFORCEMENT, CONNECTORS, AND PRESTRESSING TENDONS AND ANCHORAGES.	-	X		Art. 3.4, 3.6 A
3. PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:				
A. GROUT SPACE.	-	X		Art. 3.2 D, 3.2 F
B. GRADE, TYPE, AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS, AND PRESTRESSING TENDONS AND ANCHORAGES.	-	X	Sec. 1.16	Art. 2.4, 3,4
C. PLACEMENT OF REINFORCEMENT, CONNECTORS, AND PRESTRESSING TENDONS AND ANCHORAGES	-	X	Sec. 1.16	Art. 3.2 E, 3.4, 3.6 A
D. PROPORATIONS OF SITE-PREPARED GROUT AND PRESTRESSING GORUT FOR BONDED TENDONS.	-	X		Art. 2.6 B, 2.4 G.1.b
E. CONSTRUCTION OF MORTAR JOINTS.	-	X		Art. 3.3 B
4. VERIFY DURING CONSTRUCITON.				
A. SIZE AND LOCATION OF STRUCTURAL ELEMENTS.	-	X		Art. 3.3 F
B. TYPE, SIZE, AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION	-	X	Sec. 1.16.4.3, 1.17.1	
C. WELDING OF REINFORCEMENT.	X	-	Sec. 2.1.8.7.2, 3.3.3.4(c), 8.3.3.4(b)	
D. PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F (4.4°C)) OR HOT WEATHER (TEMPERATURE ABOVE 90°F (32.2°C)).	-	X		Art. 1.8 C, 1.8 D
E. CONSTRUCTION OF MORTAR JOINTS.	-	X		Art. 3.3 B
5. OBSERVE PREPARTATION OF GROUT SPEICMENS, MORTAR SPECIMENS, AND/ OR PRISMS	-	X		Art. 1.4 B.2.a.3, 1.4 B.2.b.3., 1.4 B.2.c.3, 1.4 B.3, 1.4 B.4

(a) FREQUENCY REFERS TO THE FREQENCY OF INSPECTION, WHICH MAY BE CONTINUOUS DURING THE TASK LISTED OR PERIODICALLY DURING THE LISTED TASK, AS DEFEINED IN THE TABLE.

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REGISTRATION SEAL

CONSULTANT

WILLIAM A. KIBBE & ASSOCIATES, INC.
ENGINEERS | ARCHITECTS | SURVEYORS

PROJECT TITLE
NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE
Special Inspection Notes

KEY PLAN

ISSUE DATES

02-26-2026	D.R. 2 - CONSTRUCTION DOCUMENTS
02-12-2026	OWNER REVIEW
01-23-2026	90% CONSTRUCTION DOCUMENTS
12-19-2025	DESIGN DEVELOPMENT

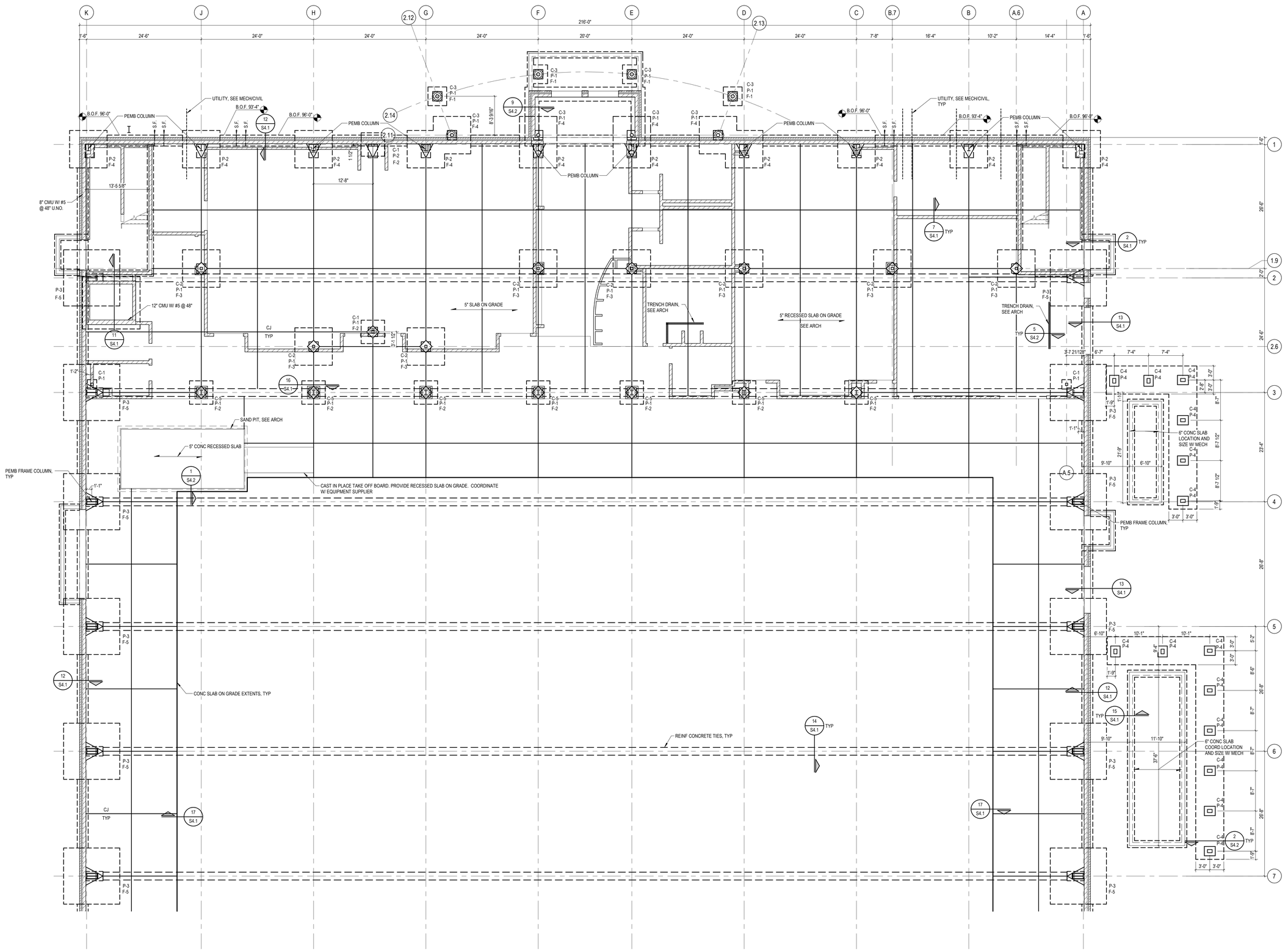
DATE: ISSUED FOR:

DRAWN A. FISCHHABER
CHECKED B. KANNERS
APPROVED E. MANNOR

PROJECT NO.
25026E

DRAWING NO.
S0.1

Autodesk Docs://25026E_Dexter - New Field House/25147302O_Dexter Athletic Facility_S_v25.rvt
2/26/2026 10:18:02 AM



FOUNDATION PLAN - ZONE 'A'

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

NOTES:
1. REFER TO S4.1 FOR FOOTING AND PIER SCHEDULE.
2. REFER TO S4.1 FOR COLUMN SCHEDULE.
3. PROVIDE (2) #5 X 4'-0" LONG AT ALL RE-ENTRANT CORNERS.
4. PROVIDE MASONRY CONTROL JOINTS IN CMU AT MAX 25'-0" SPACING AND MINIMUM 2'-0" FROM OPENING EDGE.
5. PROVIDE THICKENED SLAB UNDER ALL NON-LOAD BEARING CMU. SEE DETAIL 7/S4.1.

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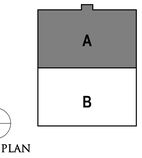
PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

Foundation Plan - Zone 'A'



KEY PLAN

ISSUE DATES

02-26-2026	D.R. 2 - CONSTRUCTION DOCUMENTS
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12-19-2025	DESIGN DEVELOPMENT
12-16-2025	BID PACKAGE NO. 1 PEMB

DATE:	ISSUED FOR:

DRAWN	A. FISCHHABER
CHECKED	B. KANNERS
APPROVED	E. MANNOR

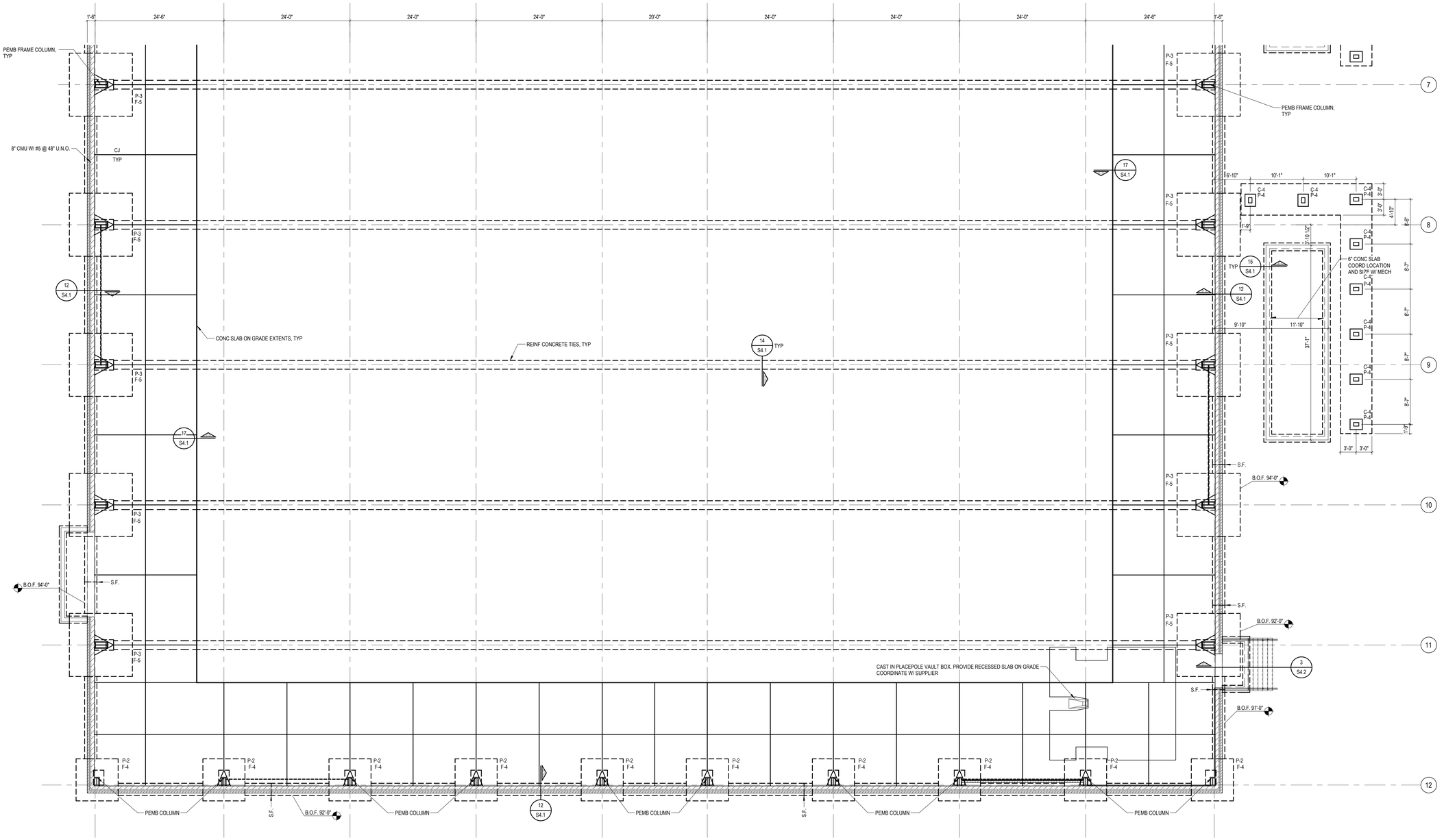
PROJECT NO.

25026E

DRAWING NO.

S1.0A

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2/26/2026 10:16:05 AM



FOUNDATION PLAN - ZONE 'B'

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

NOTES:
1. REFER TO S4.1 FOR FOOTING AND PIER SCHEDULE.
2. REFER TO S4.1 FOR COLUMN SCHEDULE.
3. PROVIDE (2) #5 X 4'-0" LONG AT ALL RE-ENTRANT CORNERS.
4. PROVIDE MASONRY CONTROL JOINTS IN CMU AT MAX 25'-0" SPACING AND MINIMUM 2'-0" FROM OPENING EDGE.
5. PROVIDE THICKENED SLAB UNDER ALL NON-LOAD BEARING CMU. SEE DETAIL 7/S4.1.

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PROJECT TITLE

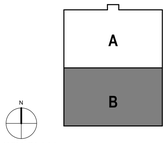
NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

Foundation Plan - Zone 'B'

KEY PLAN



ISSUE DATES

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12-16-2025	BID PACKAGE NO. 1 PEMB

DRAWN	A. FISCHHABER
CHECKED	B. KANNERS
APPROVED	E. MANNOR

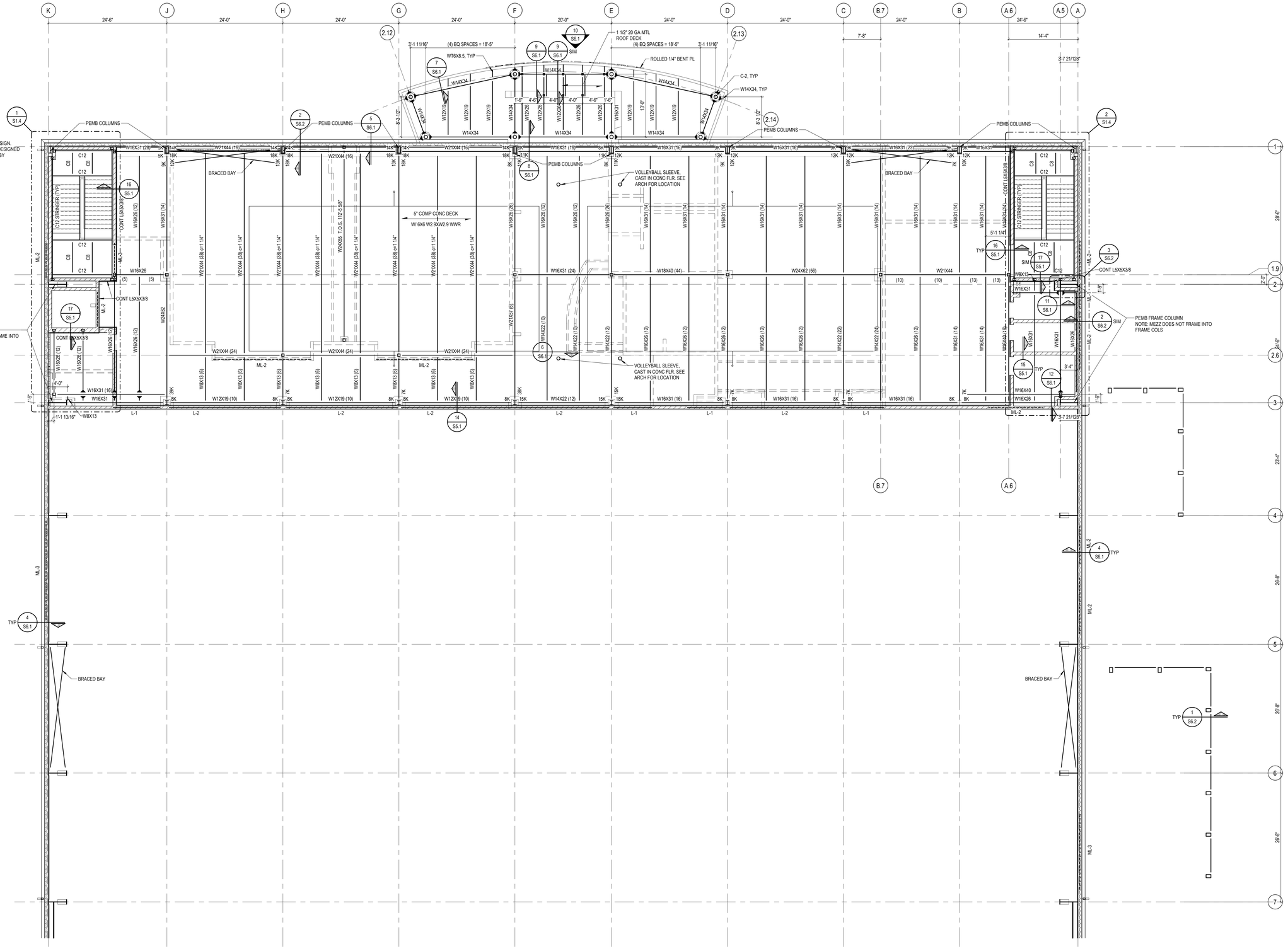
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25026E

DRAWING NO.

S1.0B

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2/26/2026 10:18:06 AM



SECOND FLOOR FRAMING PLAN - ZONE 'A'

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

NOTES:
1. ◀ INDICATES MOMENT CONNECTION
2. DESIGN PEMB COLUMNS FOR ADDITIONAL MEZZANINE REACTIONS AS NOTED ON PLAN. LOADS ARE UNFACTORED.
3. REFER TO S5.1 FOR STEEL AND MASONRY LINTEL SCHEDULES.
4. REFER TO S6.2 FOR BEARING PLATE SCHEDULE

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PROJECT TITLE

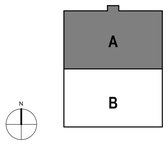
NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

Second Floor Framing Plan - Zone 'A'

KEY PLAN



ISSUE DATES

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12-19-2025	DESIGN DEVELOPMENT
12-16-2025	BID PACKAGE NO. 1 PEMB
DATE:	ISSUED FOR:

DRAWN	A. FISCHHABER
CHECKED	B. KANNERS
APPROVED	E. MANNOR

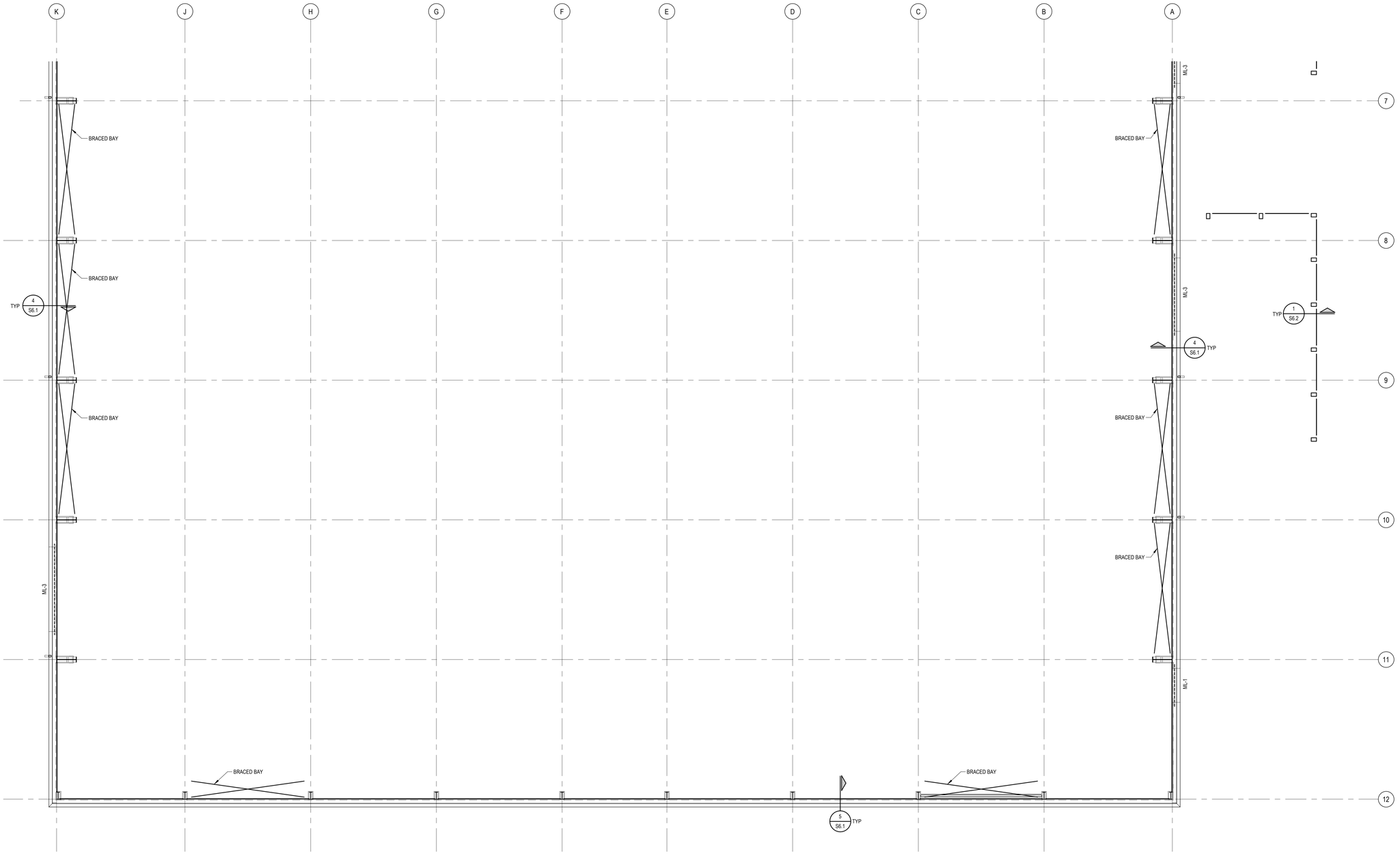
PROJECT NO.

25026E

DRAWING NO.

S1.2A

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N

SECOND FLOOR FRAMING PLAN - ZONE 'B'

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

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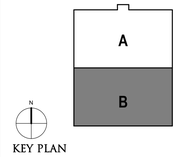
PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

Second Floor Framing Plan - Zone 'B'



KEY PLAN

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12-16-2025	BID PACKAGE NO. 1 PEMB

DRAWN	A. FISCHHABER
CHECKED	B. KANNERS
APPROVED	E. MANNOR

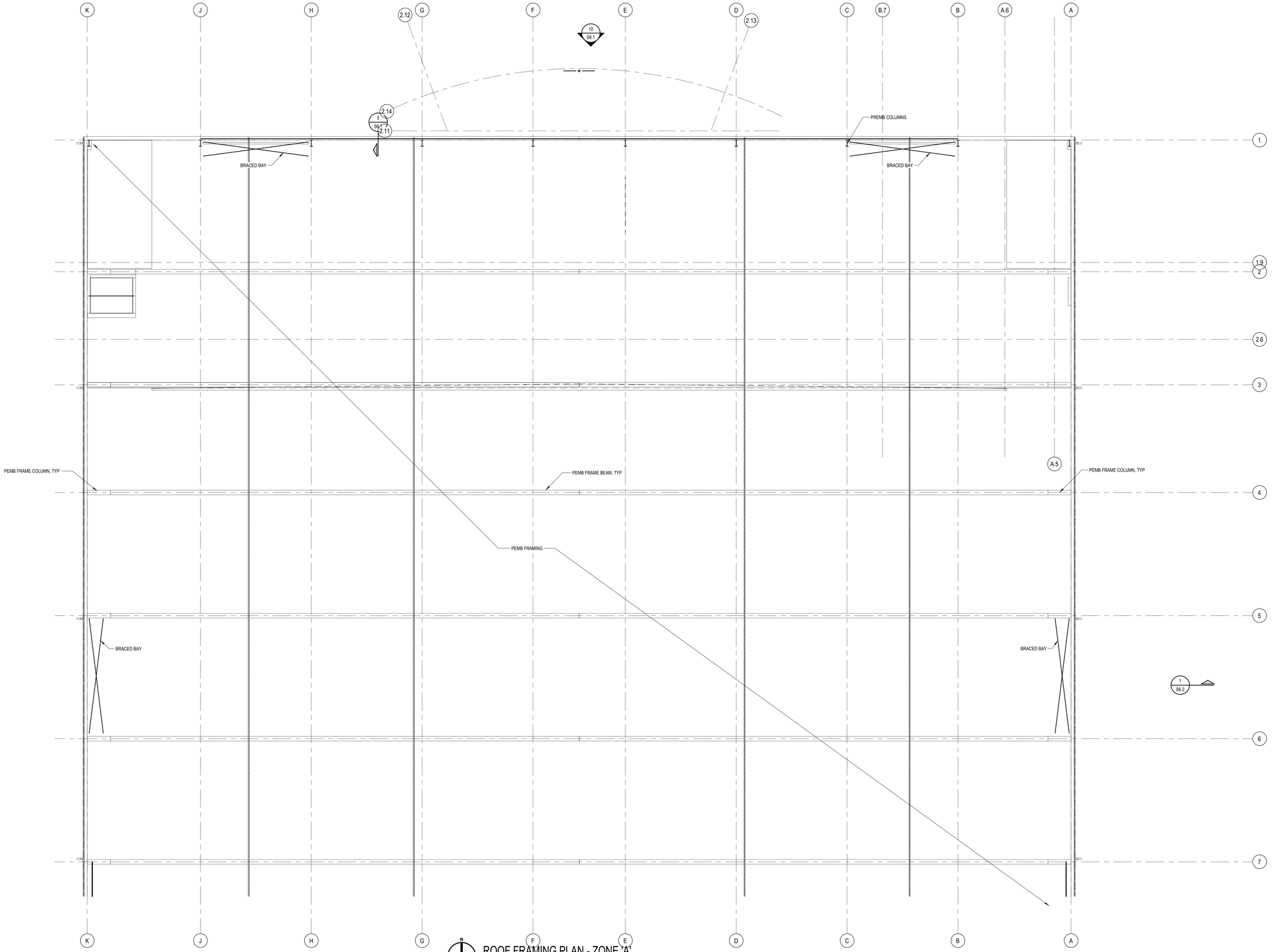
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DRAWING NO.

S1.2B

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ROOF FRAMING PLAN - ZONE 'A'

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

NOTES:
1. REFER TO GENERAL NOTES FOR LOADING CRITERIA.

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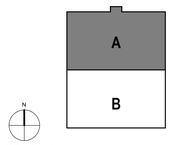
PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

Roof Framing Plan - Zone 'A'



KEY PLAN

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12-16-2025	BID PACKAGE NO. 1 PEMB

DRAWN	A. FISCHHABER
CHECKED	B. KANNERS
APPROVED	E. MANNOR

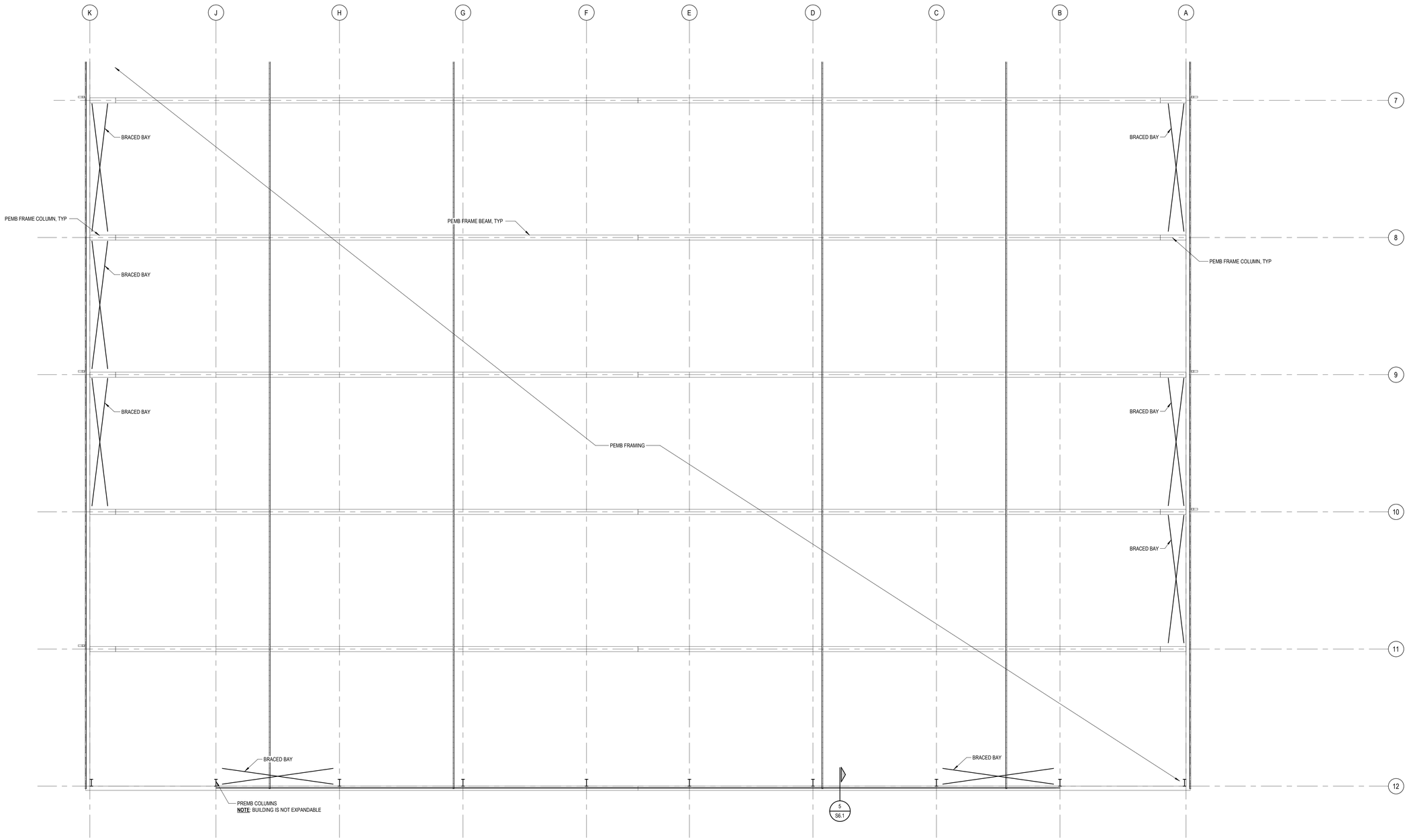
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DRAWING NO.

S1.3A

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ROOF FRAMING PLAN - ZONE 'B'

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

NOTES:
1. REFER TO GENERAL NOTES FOR LOADING CRITERIA.

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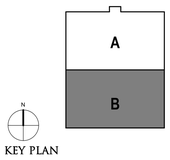
PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

Roof Framing Plan - Zone 'B'



KEY PLAN

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12-16-2025	BID PACKAGE NO. 1 PEMB

DRAWN	A. FISCHHABER
CHECKED	B. KANNERS
APPROVED	E. MANNOR

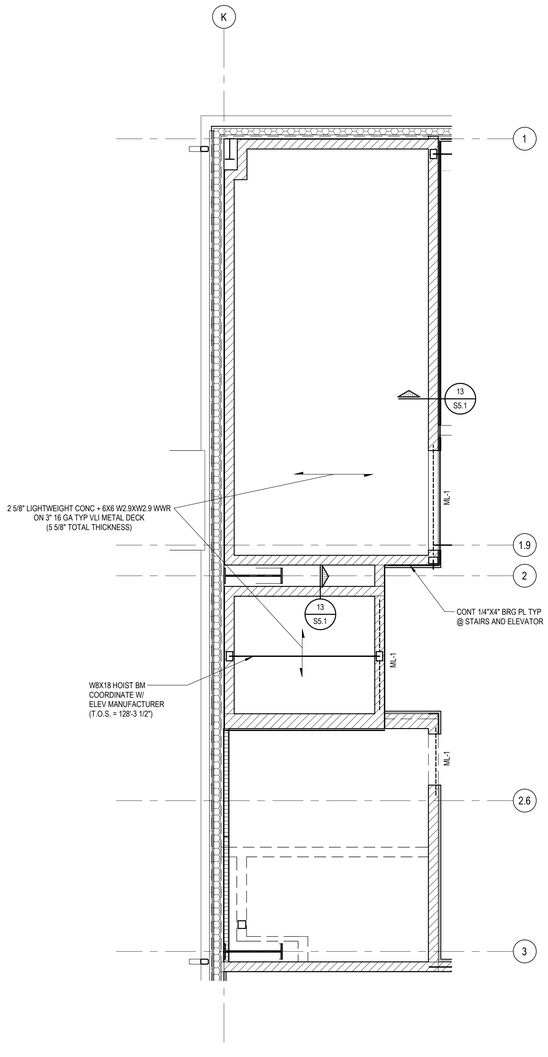
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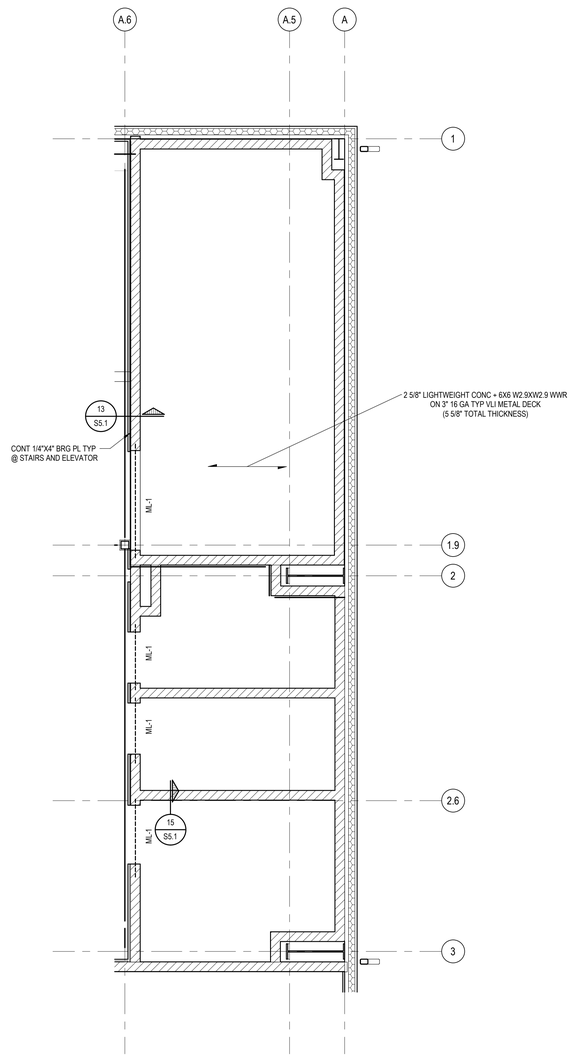
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S1.3B

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N 1 S1.4 PARTIAL FRAMING PLAN
SCALE: 1/4" = 1'-0"



N 2 S1.4 PARTIAL FRAMING PLAN
SCALE: 1/4" = 1'-0"

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PROJECT TITLE
NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE
Partial Framing Plan

N
KEY PLAN

ISSUE DATES

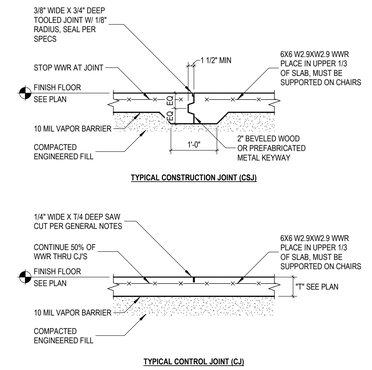
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CHECKED	B. KANNERS
APPROVED	E. MANNOR

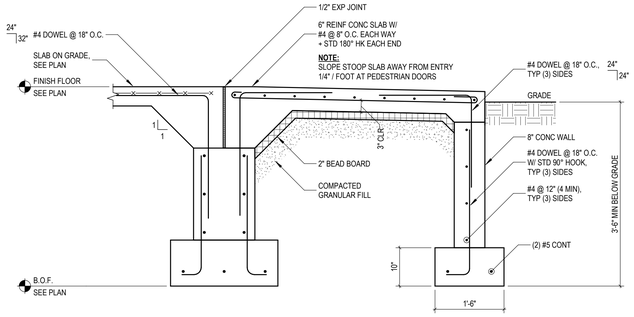
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DRAWING NO.
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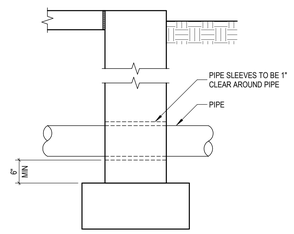
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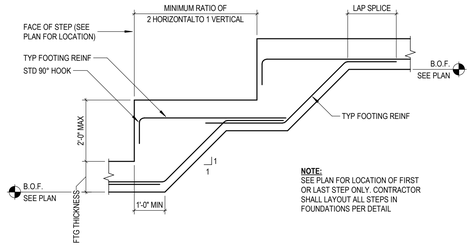
1 S4.1 TYPICAL SLAB ON GRADE DETAILS
NOT TO SCALE



2 S4.1 TYPICAL STOOP SECTION
NOT TO SCALE
NOTE:
SEE ARCH FOR STOOP SIZE AND LOCATIONS

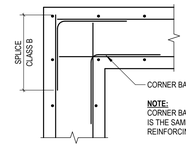


3 S4.1 TYP FOUNDATION DETAIL AT UTILITY
NOT TO SCALE



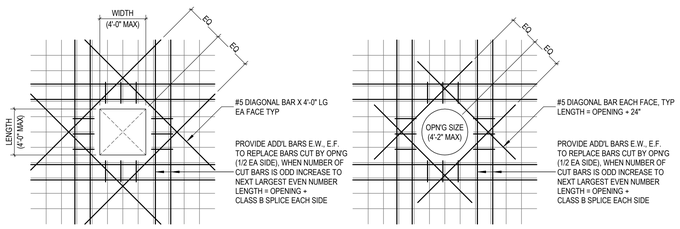
NOTE:
SEE PLAN FOR LOCATION OF FIRST OR LAST STEP ONLY. CONTRACTOR SHALL LAYOUT ALL STEPS IN FOUNDATIONS PER DETAIL

4 S4.1 TYPICAL STEP FOOTING DETAIL
NOT TO SCALE

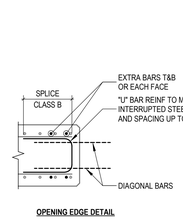


NOTE:
CORNER BAR SIZE AND SPACING IS THE SAME AS HORIZONTAL REINFORCING (SEE GENERAL NOTES)

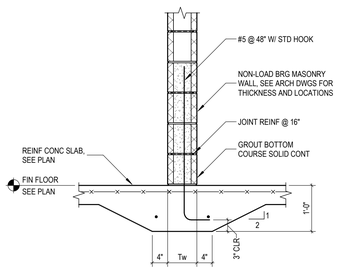
5 S4.1 TYP WALL & FTG CORNER DETAIL
NOT TO SCALE



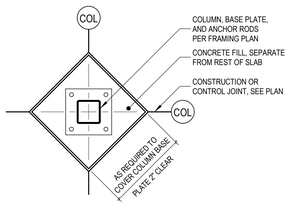
6 S4.1 TYPICAL SLAB AND WALL OPENINGS
NOT TO SCALE



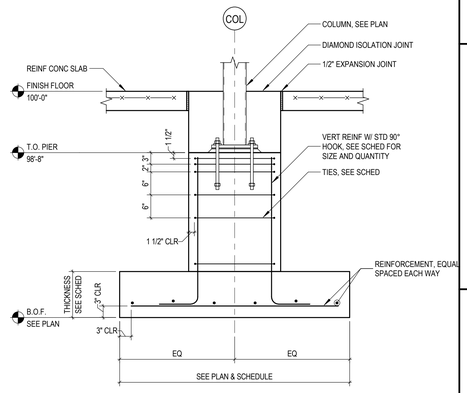
OPENING EDGE DETAIL



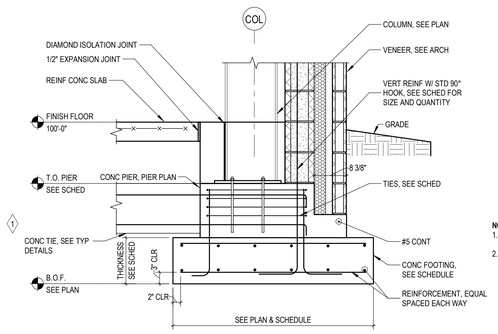
7 S4.1 TYPICAL THICKENED SLAB DETAIL
SCALE: 3/4" = 1'-0"



8 S4.1 TYP INTERIOR ISOLATION JOINT
NOT TO SCALE

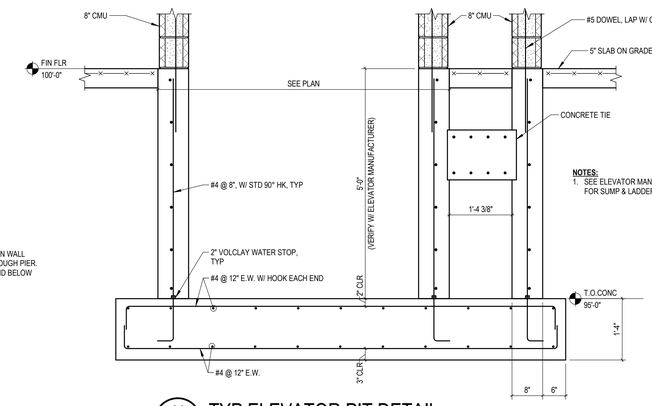


9 S4.1 TYPICAL INTERIOR FOOTING
NOT TO SCALE



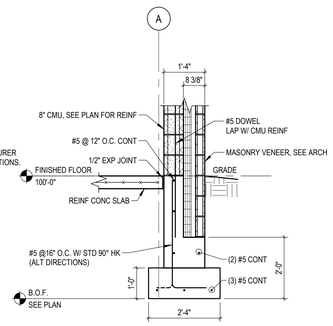
NOTES:
1. CONTINUE FOUNDATION WALL REINFORCEMENT THROUGH PIER.
2. GROUT MASONRY SOLID BELOW FINISH FLOOR.

10 S4.1 TYPICAL EXTERIOR FOOTING
NOT TO SCALE

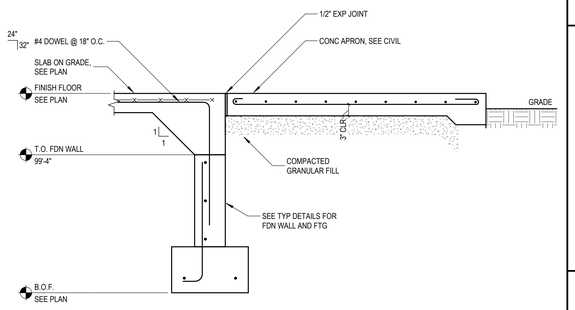


NOTES:
1. SEE ELEVATOR MANUFACTURER FOR SUMP & LADDER LOCATIONS.

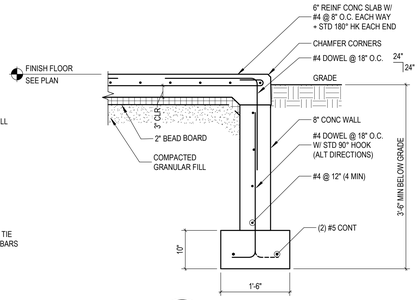
11 S4.1 TYP ELEVATOR PIT DETAIL
SCALE: 3/4" = 1'-0"



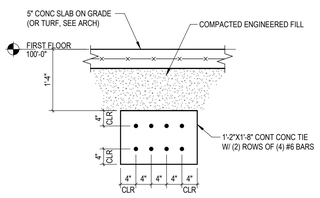
12 S4.1 TYP WALL FOUNDATION
SCALE: 1/2" = 1'-0"



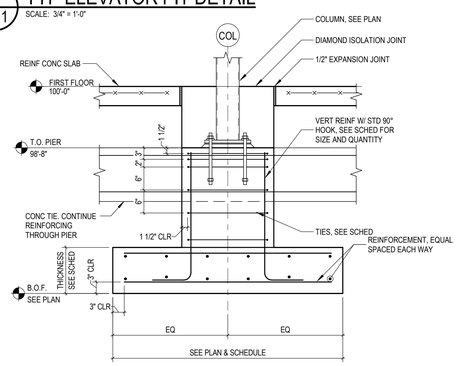
13 S4.1 SLAP @ OH DOOR
SCALE: 3/4" = 1'-0"



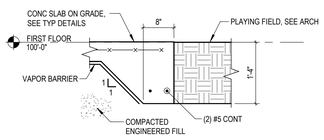
14 S4.1 DETAIL
SCALE: 3/4" = 1'-0"



15 S4.1 DETAIL
SCALE: 3/4" = 1'-0"



16 S4.1 DETAIL
SCALE: 3/4" = 1'-0"



17 S4.1 DETAIL
SCALE: 3/4" = 1'-0"

COLUMN SCHEDULE

MARK	MEMBER	BASE PLATE (txWxL)	ANCHOR BOLTS QTY.	ANCHOR BOLTS SIZE	ANCHOR BOLTS MIN. EMBED.	COMMENTS
C-1	HSS6X6X3/8	1"X1'-0"X1'-0"	4	1" Ø	12"	
C-2	HSS6X6X1/2	1"X1'-0"X1'-0"	4	1" Ø	12"	
C-3	HSS8.625X0.375	1"X1'-4"X1'-4"	4	1" Ø	12"	
C-4	HSS12X8X3/8	1 1/4"X1'-1 1/2"X1'-3 1/2"	4	1" Ø	24"	
C-5	W10X33	1"X1'-4"X1'-2"	4	1" Ø	12"	
PEMB		BY PEMB	BY PEMB			

PIER SCHEDULE

MARK	DIMENSIONS WIDTH	DIMENSIONS LENGTH	TOP ELEVATION	REINFORCING VERTICAL	REINFORCING TIES	DETAIL
P-1	2'-0"	2'-0"	98'-8"	(6) #6	#3 @ 12" O.C.	6/S4.2
P-2	2'-0"	2'-10"	98'-8"	(10) #6	#3 @ 12" O.C.	7/S4.2
P-3	2'-0"	3'-8"	98'-8"	(12) #6	#3 @ 12" O.C.	8S/4.2
P-4	2'-0"	2'-4"	100'-8"	(6) #6	#3 @ 12" O.C.	
PEMB						

FOOTING SCHEDULE

MARK	DIMENSIONS WIDTH	DIMENSIONS LENGTH	DIMENSIONS THICKNESS	REINFORCING W (SHORT BARS)	REINFORCING L (LONG BARS)	DETAIL
F-1	4'-0"	4'-0"	1'-0"	(4) #5	(4) #5	
F-2	5'-0"	5'-0"	1'-0"	(5) #5	(5) #5	
F-3	8'-0"	8'-0"	1'-6"	(8) #6	(8) #6	
F-4	8'-0"	8'-0"	1'-6"	(8) #6 T&B	(8) #6 T&B	
F-5	12'-0"	12'-0"	1'-6"	(12) #6 T&B	(12) #6 T&B	

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REGISTRATION SEAL

CONSULTANT

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ENGINEERS | ARCHITECTS | SURVEYORS

PROJECT TITLE
NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE
Concrete Details

KEY PLAN

ISSUE DATES

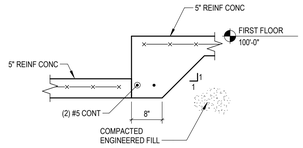
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02-12-2026	OWNER REVIEW
01-23-2026	90% CONSTRUCTION DOCUMENTS
01-16-2026	ADDENDUM NO. 1 - BP NO. 1
12-19-2025	DESIGN DEVELOPMENT
12-16-2025	BID PACKAGE NO. 1 PEMB

DRAWN	A. FISCHHABER
CHECKED	B. KANNERS
APPROVED	E. MANNOR

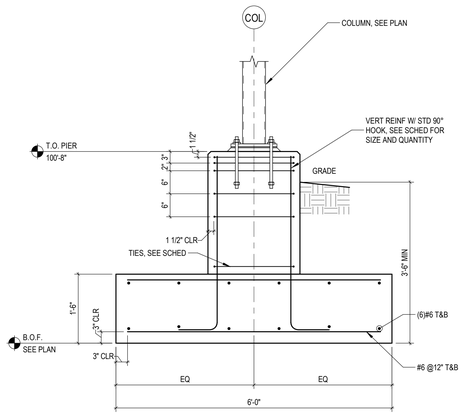
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25026E

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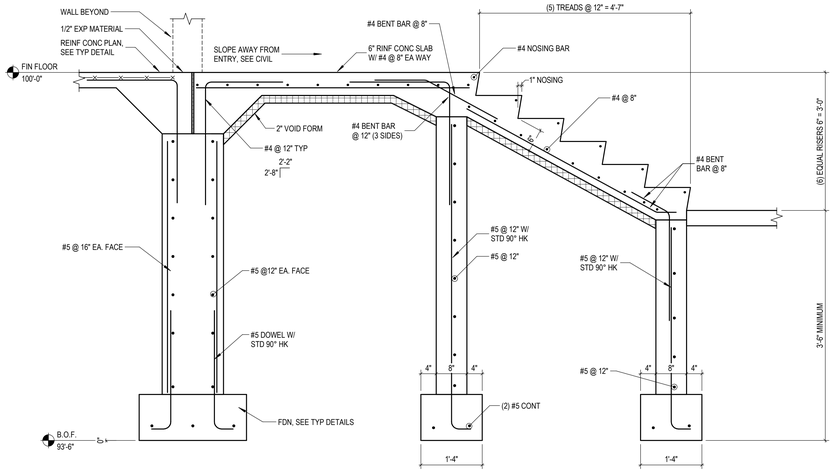
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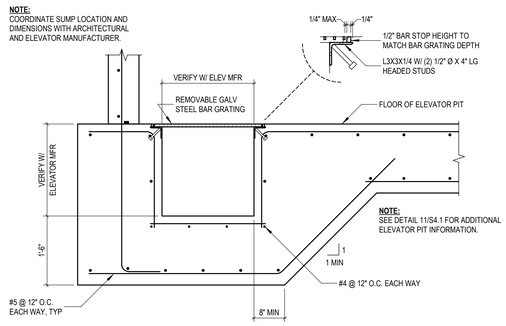
1 S4.2 TYP RECESSED SLAB
SCALE: 3/4" = 1'-0"



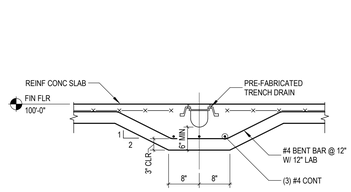
2 S4.2 DETAIL
SCALE: 3/4" = 1'-0"



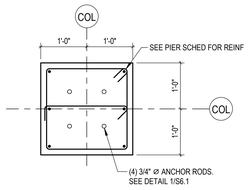
3 S4.2 DETAIL
SCALE: 3/4" = 1'-0"



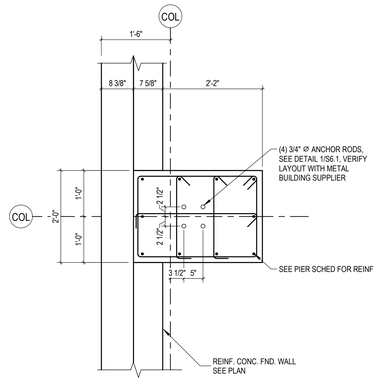
4 S4.2 TYP PIT SUMP COVER
SCALE: 3/4" = 1'-0"



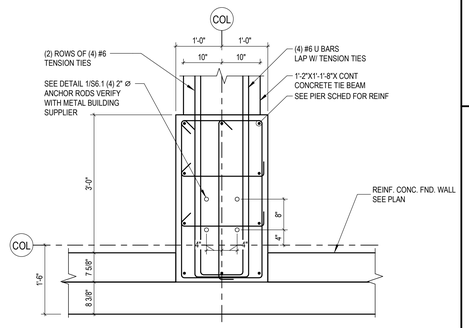
5 S4.2 TYP TRENCH DRAIN DETAIL
SCALE: 3/4" = 1'-0"



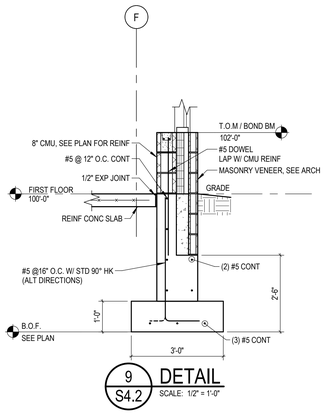
6 S4.2 PIER P-1
SCALE: 3/4" = 1'-0"



7 S4.2 PIER P-2
SCALE: 3/4" = 1'-0"



8 S4.2 PIER P-3
SCALE: 3/4" = 1'-0"



9 S4.2 DETAIL
SCALE: 1/2" = 1'-0"

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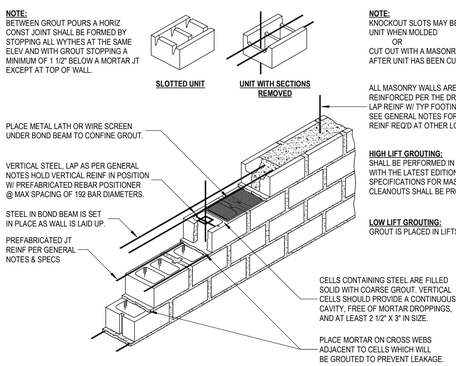
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CHECKED	B. KANNERS
APPROVED	E. MANNOR

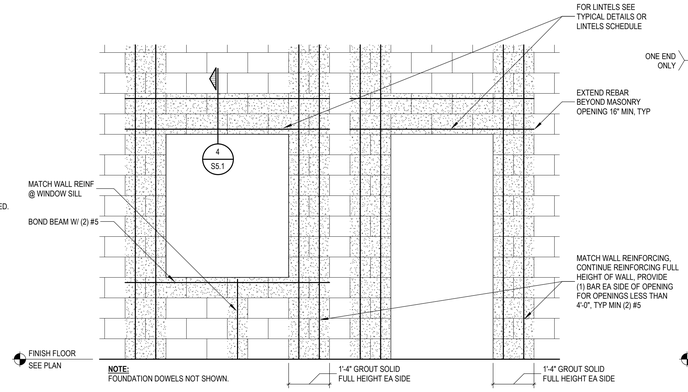
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25026E

DRAWING NO.
S4.2

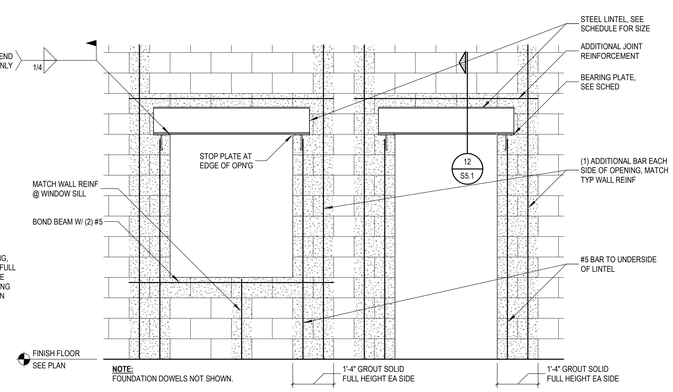
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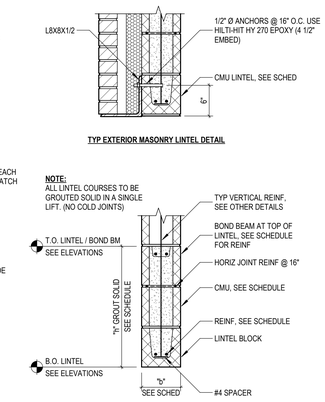
1 S5.1 LOW-LIFT GROUTING TECHNIQUE
NOT TO SCALE



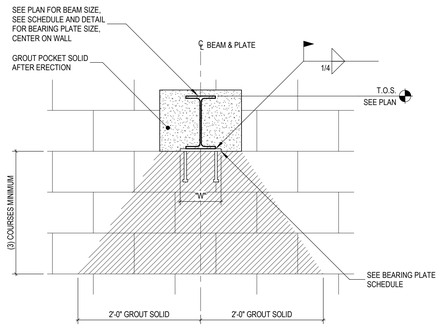
2 S5.1 TYPICAL MASONRY OPENING W/ MASONRY LINTEL
NOT TO SCALE



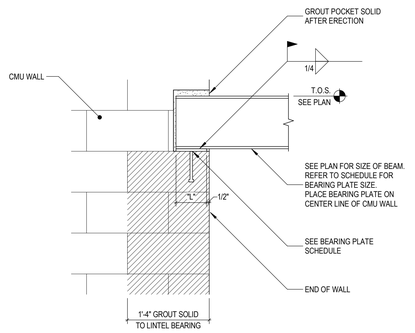
3 S5.1 TYPICAL MASONRY OPENING W/ STEEL LINTEL
NOT TO SCALE



4 S5.1 TYP MASONRY LINTEL DETAIL
NOT TO SCALE



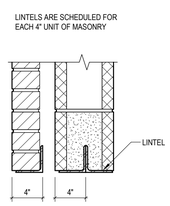
5 S5.1 TYPICAL BEAM PERPENDICULAR TO WALL
NOT TO SCALE



6 S5.1 TYPICAL BEAM PARALLEL TO WALL
NOT TO SCALE

MASONRY LINTEL SCHEDULE

MARK	b (IN)	h (IN)	TOP STEEL	BOTTOM STEEL	DETAIL
ML-1	7 5/8"	16"	-	(2) #5	4/SS.1
ML-2	7 5/8"	24"	-	(2) #5	4/SS.1
ML-3	7 5/8"	32"	-	(2) #5	4/SS.1



LOOSE LINTEL SCHEDULE

"L (FT)	SIZE OF LINTEL	BEARING EACH END (IN)
UP TO 4	L3-1/2X3-1/2X1/4	4
5	L3-1/2X3-1/2X1/4	6
6	L3-1/2X3-1/2X1/4	6
7	L4X3-1/2X1/4 L.L.V.	6
8	L5X3-1/2X1/4 L.L.V.	8
9	L6X3-1/2X1/4 L.L.V.	8

NOTES:
1. LINTEL SCHEDULE APPLIES AT ALL OPENINGS IN MASONRY VENEER AND NON-LOAD BEARING MASONRY. SEE ARCH FOR SIZE AND LOCATIONS.
2. (S.L.V.) - SHORT LEG VERTICAL.
3. (L.L.V.) - LONG LEG VERTICAL.
4. "L = CLEAR OPENING

7 S5.1 TYPICAL LOOSE LINTEL SCHEDULE
NOT TO SCALE

TABLE #1 - LAP SLICE LENGTHS FOR MASONRY WALLS (INCHES)

BARS CENTERED IN WALL (SINGLE REINFORCING)

BAR SIZE	8" CMU	12" CMU
#3	18	18
#4	24	24
#5	30	30
#6	38	36
#7	-	42
#8	-	50
#9	-	64

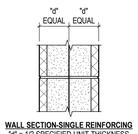
DESIGN CRITERIA:
Fy = 60,000 PSI
Fm = 2,000 PSI

TABLE #2 - LAP SLICE LENGTHS FOR MASONRY WALLS (INCHES)

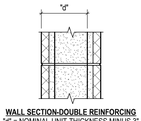
BARS PLACED FOR MAX "d" (DOUBLE REINFORCING)

BAR SIZE	8" CMU	12" CMU
#3	18	18
#4	24	24
#5	30	30
#6	57	57
#7	80	80
#8	-	-
#9	-	-

DESIGN CRITERIA:
Fy = 60,000 PSI
Fm = 2,000 PSI



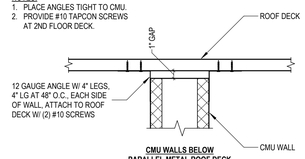
WALL SECTION-SINGLE REINFORCING
"d" = 1/2 SPECIFIED UNIT THICKNESS



WALL SECTION-DOUBLE REINFORCING
"d" = NOMINAL UNIT THICKNESS MINUS 3"

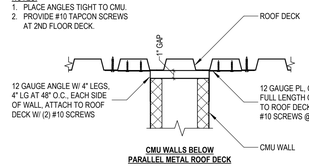
8 S5.1 TYPICAL VERTICAL REINFORCMENT LOCATION AND LAP SPLICE LENGTHS
NOT TO SCALE

NOTES:
1. PLACE ANGLES TIGHT TO CMU.
2. PROVIDE #10 TAPCON SCREWS AT 2ND FLOOR DECK.



CMU WALLS BELOW PARALLEL METAL ROOF DECK

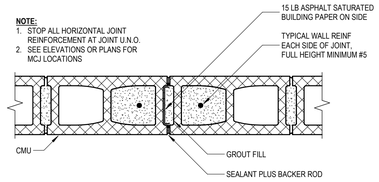
NOTES:
1. PLACE ANGLES TIGHT TO CMU.
2. PROVIDE #10 TAPCON SCREWS AT 2ND FLOOR DECK.



CMU WALLS BELOW PARALLEL METAL ROOF DECK

9 S5.1 TYPICAL T.O.M. DETAILS (INTERIOR NON-LOAD BEARING)
NOT TO SCALE

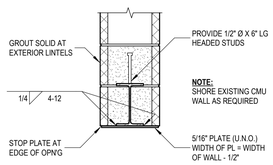
NOTES TO DESIGN PROFESSIONAL:
1. FIRE SAFETY NOT ADDRESSED IN THESE DETAILS. REFER TO ARCHITECTURAL FOR FIRE RATING REQUIREMENTS.
2. VERIFY ANTICIPATED DEFLECTION GAP.



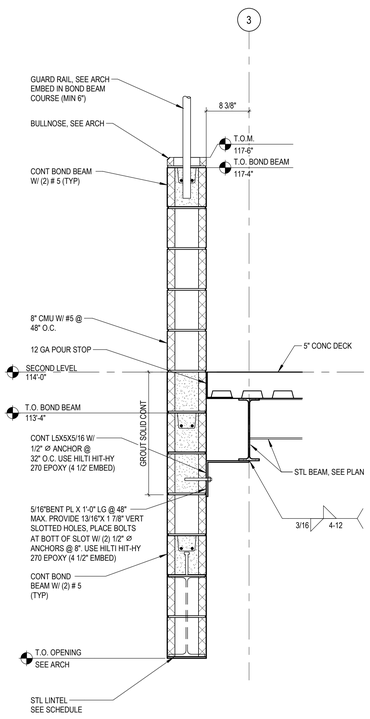
10 S5.1 MASONRY CONTROL JOINT (MCJ)
NOT TO SCALE

STEEL LINTEL SCHEDULE

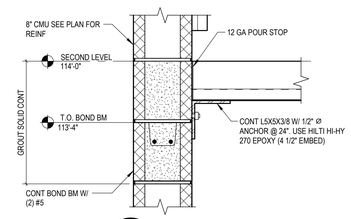
MARK	SIZE	BEARING PLATE	DETAIL
L-1	W8X15 + 5/16" PL	5/16" X 6" X 6"	12/SS.1
L-2	W16X40 + 5/16" PL	1/2" X 6"X 6"	12/SS.1



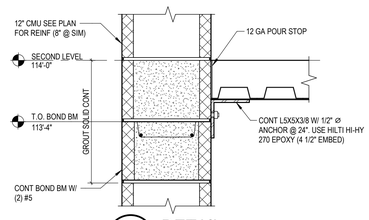
12 S5.1 TYP STEEL LINTEL DETAIL
NOT TO SCALE



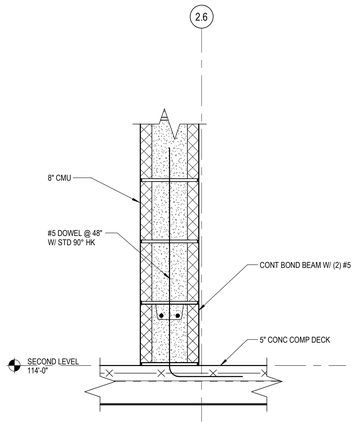
14 S5.1 DETAIL
SCALE: 1" = 1'-0"



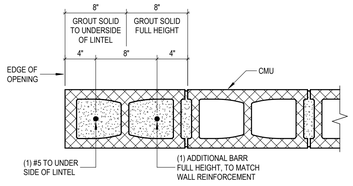
16 S5.1 DETAIL
SCALE: 1 1/2" = 1'-0"



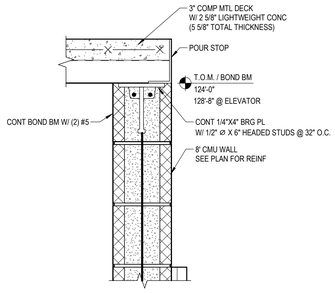
17 S5.1 DETAIL
SCALE: 1 1/2" = 1'-0"



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



11 S5.1 TYPICAL LINTEL JAMB
NOT TO SCALE



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

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- 1 S5.1 LOW-LIFT GROUTING TECHNIQUE
- 2 S5.1 TYPICAL MASONRY OPENING W/ MASONRY LINTEL
- 3 S5.1 TYPICAL MASONRY OPENING W/ STEEL LINTEL
- 4 S5.1 TYP MASONRY LINTEL DETAIL
- 5 S5.1 TYPICAL BEAM PERPENDICULAR TO WALL
- 6 S5.1 TYPICAL BEAM PARALLEL TO WALL
- 7 S5.1 TYPICAL LOOSE LINTEL SCHEDULE
- 8 S5.1 TYPICAL VERTICAL REINFORCMENT LOCATION AND LAP SPLICE LENGTHS
- 9 S5.1 TYPICAL T.O.M. DETAILS (INTERIOR NON-LOAD BEARING)
- 10 S5.1 MASONRY CONTROL JOINT (MCJ)
- 12 S5.1 TYP STEEL LINTEL DETAIL
- 14 S5.1 DETAIL
- 16 S5.1 DETAIL
- 17 S5.1 DETAIL
- 15 S5.1 DETAIL
- 13 S5.1 DETAIL

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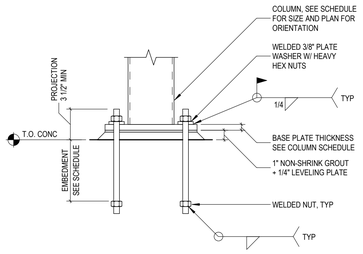
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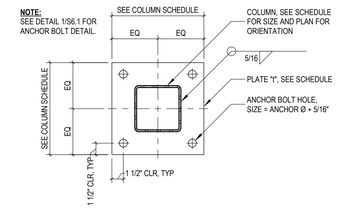
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DRAWING NO.
S5.1

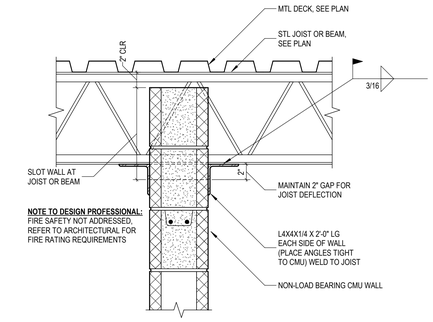
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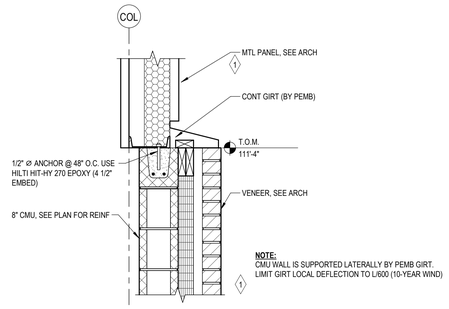
1 S6.1 TYPICAL ANCHOR BOLT DETAIL
NOT TO SCALE



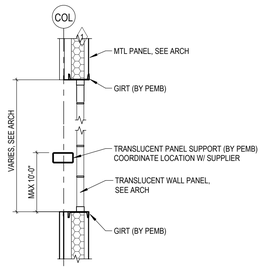
2 S6.1 TYPICAL BASE PLATE DETAIL
NOT TO SCALE



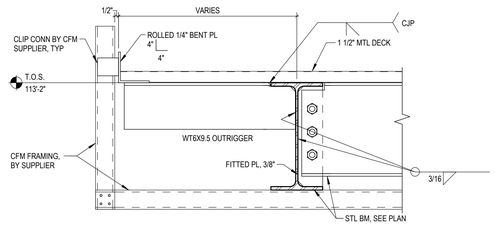
3 S6.1 TYP T.O. WALL AT STRUCTURAL FRAMING
NOT TO SCALE



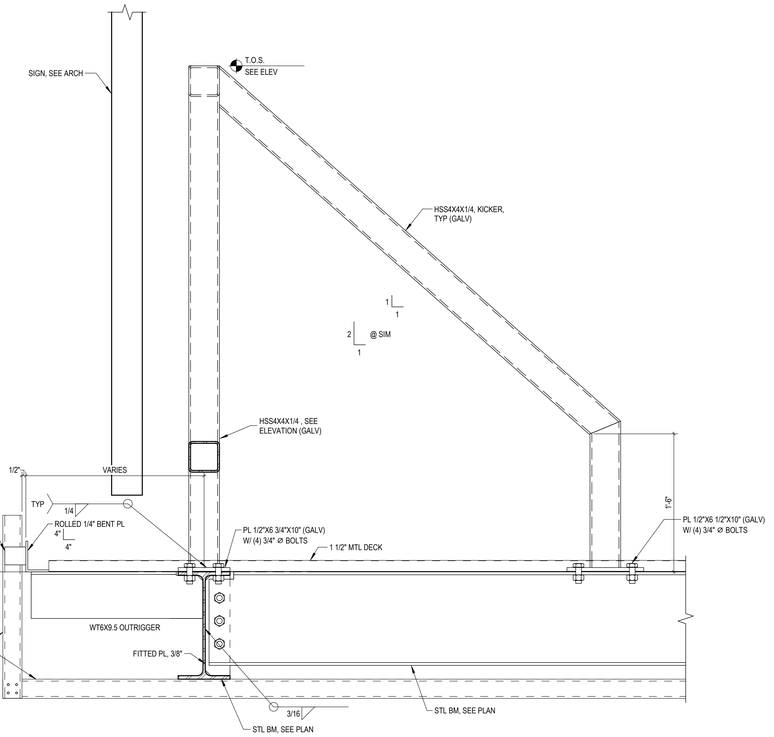
4 S6.1 DETAIL
SCALE: 1" = 1'-0"



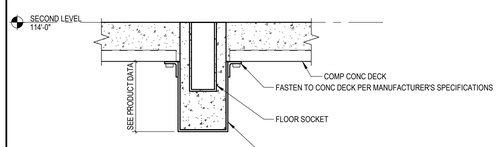
5 S6.1 DETAIL
SCALE: 1/2" = 1'-0"



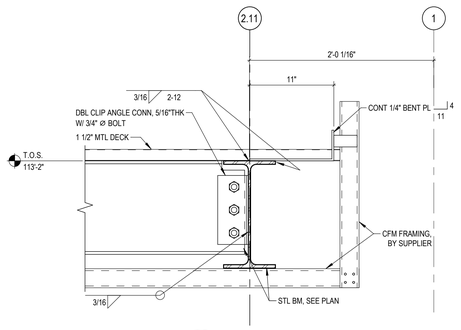
7 S6.1 DETAIL
SCALE: 1 1/2" = 1'-0"



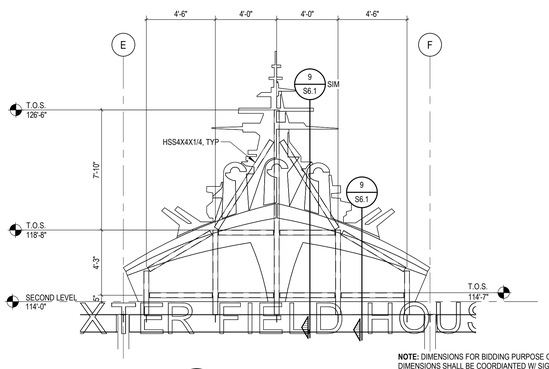
9 S6.1 DETAIL
SCALE: 1 1/2" = 1'-0"



6 S6.1 VOLLEYBALL SLEEVE DETAIL
SCALE: 1 1/2" = 1'-0"

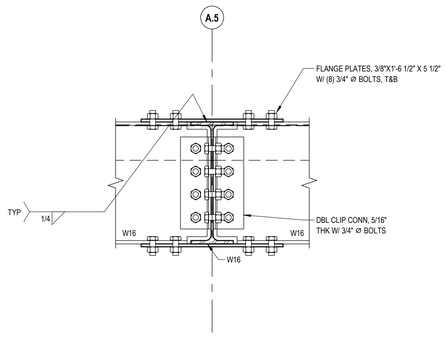


8 S6.1 DETAIL
SCALE: 1 1/2" = 1'-0"

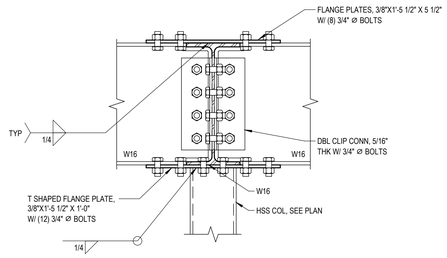


NOTE: DIMENSIONS FOR BIDDING PURPOSE ONLY. FINAL DIMENSIONS SHALL BE COORDIANTED W/ SIGN MANUFACTURER

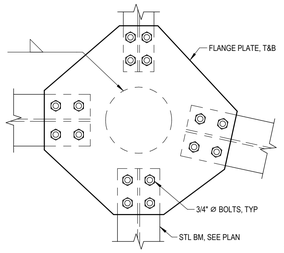
10 S6.1 SIGN ELEVATION
SCALE: 1/4" = 1'-0"



11 S6.1 DETAIL
SCALE: 1 1/2" = 1'-0"



12 S6.1 DETAIL
SCALE: 1 1/2" = 1'-0"



NOTE: STEEL FABRICATOR TO DESIGN CONNECTIONS FOR THE FOLLOWING LOADS (LRFD):
SHEAR = 15 KIPS
MOMENT = 25 K-FT

13 S6.1 TYP MOMENT CONN
SCALE: 1 1/2" = 1'-0"

TMP ARCHITECTURE INC
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REGISTRATION SEAL

CONSULTANT

WILLIAM A. KIBBE & ASSOCIATES, INC.
ENGINEERS | ARCHITECTS | SURVEYORS

PROJECT TITLE
NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE
Steel Details

KEY PLAN

ISSUE DATES

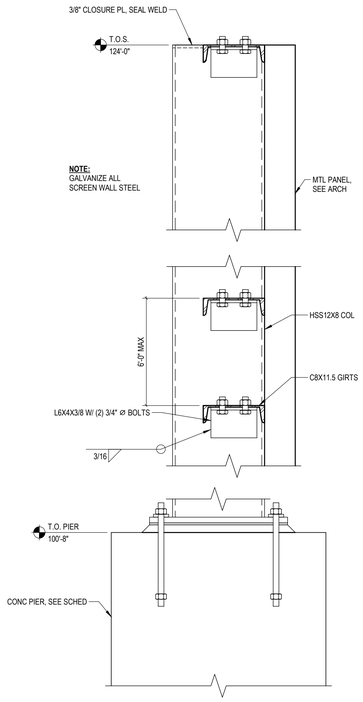
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02-12-2026	OWNER REVIEW
01-23-2026	90% CONSTRUCTION DOCUMENTS
01-16-2026	ADDENDUM NO. 1 - BP NO. 1
12-19-2025	DESIGN DEVELOPMENT
12-16-2025	BID PACKAGE NO. 1 PEMB

DATE:	ISSUED FOR:
DRAWN	A. FISCHHABER
CHECKED	B. KANNERS
APPROVED	E. MANNOR

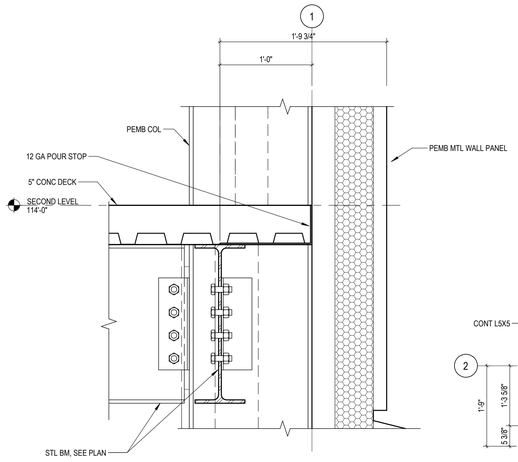
PROJECT NO.
25026E

DRAWING NO.
S6.1

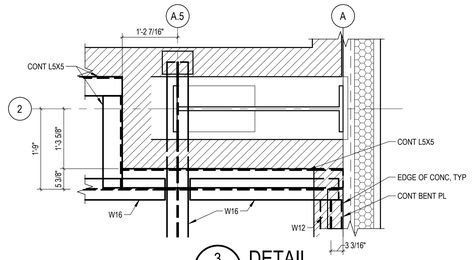
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1 S6.2 DETAIL
SCALE: 1 1/2" = 1'-0"



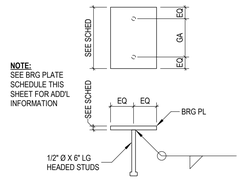
2 S6.2 DETAIL
SCALE: 1 1/2" = 1'-0"



3 S6.2 DETAIL
SCALE: 3/4" = 1'-0"

BEARING PLATE SCHEDULE

BM/JOIST OR MARK	SIZE	REMARKS
W16	1/2" X 6" X 8" W/ (2) 1/2" Ø X 6" LG HEADED STUDS (GA = 6")	
L-1	1/2" X 6" X 8" W/ (2) 1/2" Ø X 6" LG HEADED STUDS (GA = 6")	



4 S6.2 TYP BEARING PL DETAIL
NOT TO SCALE

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PROJECT TITLE
NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE
Steel Details

KEY PLAN

ISSUE DATES

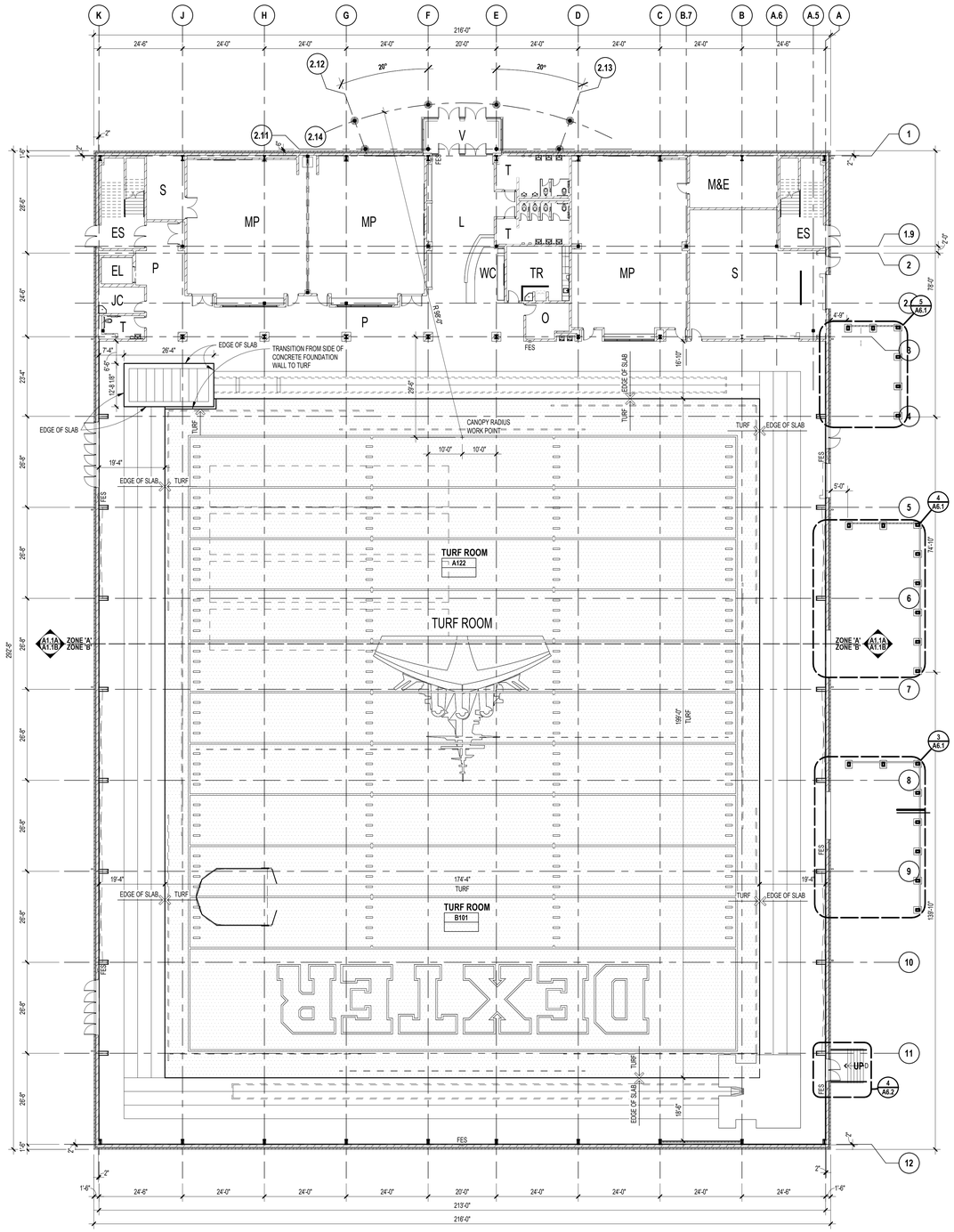
DATE:	ISSUED FOR:
02-26-2026	D.R. 2 - CONSTRUCTION DOCUMENTS

DRAWN	A. FISCHHABER
CHECKED	B. KANNERS
APPROVED	E. MANNOR

PROJECT NO.
25026E

DRAWING NO.
S6.2

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N

FIRST LEVEL COMPOSITE PLAN

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

ROOM USE LEGEND					
JC	CUSTODIAL	IT	INFORMATION TECH.	S	STORAGE
E	ELECTRICAL	ME	MECH. / ELECTRICAL	T	TOILET
EL	ELEVATOR	MR	MEETING ROOM	V	VESTIBULE
ES	EXIT STAIR	MP	MULTI PURPOSE	WC	WELCOME CENTER
		O	OFFICE		

FLOOR LEGEND

TURF AREA

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CONSULTANT

PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MICHIGAN

DRAWING TITLE

First Level Composite Plan

A
B

ISSUE DATES

DATE:	ISSUED FOR:
02-26-2026	D.R. - 2 CONSTRUCTION DOCUMENTS
02-12-2026	OWNER REVIEW
12-19-2025	DESIGN DEVELOPEMENT
12-16-2025	BID PACKAGE NO. 1 - PEMB
10-17-2025	SCHEMATIC DESIGN

DRAWN	JM
CHECKED	MS
APPROVED	DL

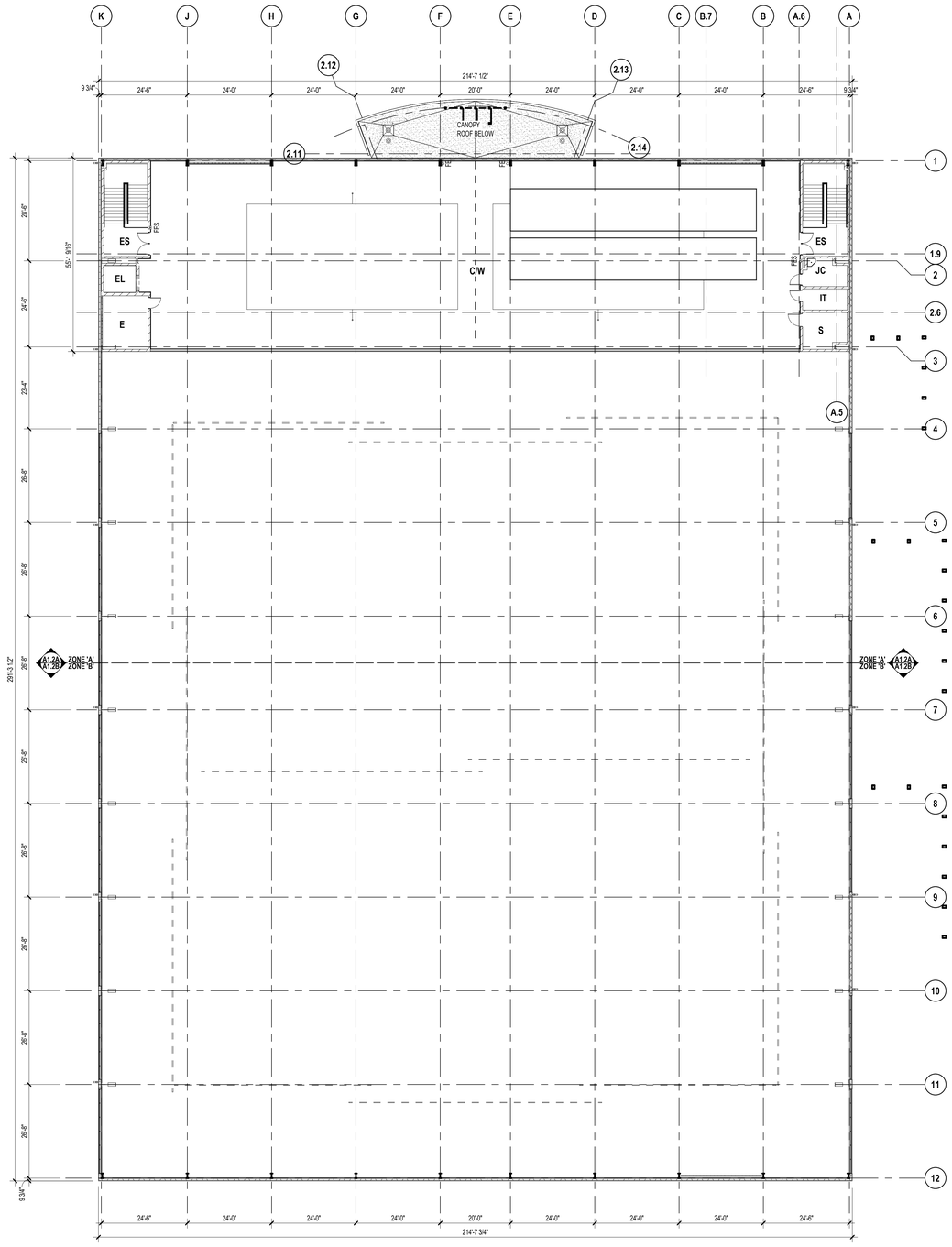
PROJECT NO.

25026E

DRAWING NO.

AC.1

Autodesk Docs://25026E_Dexter - New Field House/25026E-ARCH-25.rvt
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1 / A3.1 SECOND LEVEL COMPOSITE PLAN

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

ROOM USE LEGEND

JC	CUSTODIAL	IT	INFORMATION TECH.	S	STORAGE
E	ELECTRICAL	ME	MECH. / ELECTRICAL	T	TOILET
EL	ELEVATOR	MR	MEETING ROOM	V	VESTIBULE
ES	EXIT STAIR	MP	MULTI PURPOSE	WC	WELCOME CENTER
		O	OFFICE		

FLOOR LEGEND

TURF AREA

TMP ARCHITECTURE

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PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MICHIGAN

DRAWING TITLE

Second Level Composite Plan

A
B

ISSUE DATES

02-26-2026	D.R. - 2 CONSTRUCTION DOCUMENTS
02-12-2026	OWNER REVIEW
12-19-2025	DESIGN DEVELOPEMENT
12-16-2025	BID PACKAGE NO. 1 - PEMB
10-17-2025	SCHEMATIC DESIGN
DATE:	ISSUED FOR:

DRAWN	JM
CHECKED	MS
APPROVED	DL

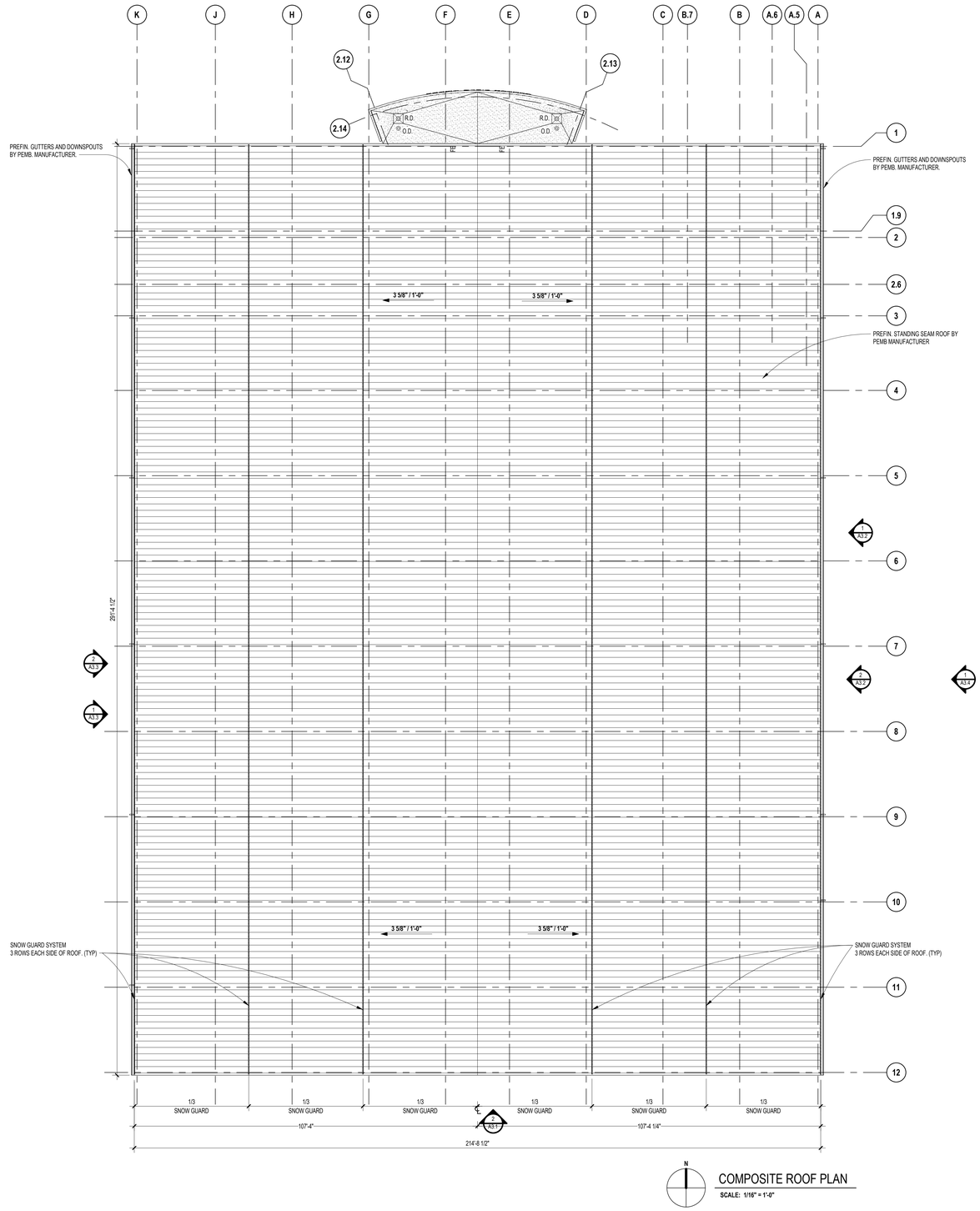
PROJECT NO.

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AC.2

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COMPOSITE ROOF PLAN

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

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REGISTRATION SEAL

CONSULTANT

PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MICHIGAN

DRAWING TITLE

Composite Roof Plan

A
B

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02-26-2026	D.R. - 2 CONSTRUCTION DOCUMENTS
02-12-2026	OWNER REVIEW
12-19-2025	DESIGN DEVELOPEMENT
12-16-2025	BID PACKAGE NO. 1 - PEMB
10-17-2025	SCHEMATIC DESIGN

DRAWN	JM
CHECKED	MS
APPROVED	DL

PROJECT NO.

25026E

DRAWING NO.

AC.3

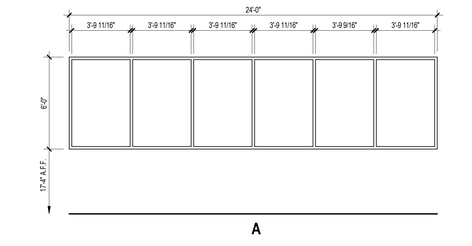
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BORROWED LITE SCHEDULE

Opening			Frame				Details						
No.	Opening Size (Width x Height)		Type	Material	Finish	Glass	Head	Jamb	Sill		U.L. Label		Remarks
ZONE A													
A106B	14'-8 3/8" x 6'-0"	OPENING	5	HM	PTD	GL-2	6/AD.2	4 & 5/AD.2	3/AD.2				
A114B	16'-0" x 6'-0"	OPENING	5	HM	PTD	GL-2	6/AD.2	4 & 5/AD.2	3/AD.2				
A115B	16'-0" x 6'-0"	OPENING	5	HM	PTD	GL-2	6/AD.2	4 & 5/AD.2	3/AD.2				

DOOR & FRAME SCHEDULE

Opening		Door				Frame				Details			Threshold	U.L. Label	Hdwe. Set	Remarks
No.	Opening Size (Width x Height)	Type	Material	Finish	Glass	Type	Material	Finish	Glass	Head	Jamb	Sill				
First Level - Zone 'A'																
A101	3'-0" x 7'-10"	FG2	AL	PFN	GL-1	6	AL	PFN	GL-4	2/A4.3	14/AD.2	12 & 13/AD.2	MTL	-	21	
A101A	3'-0" x 7'-10"	FG2	AL	PFN	GL-1	6	AL	PFN	GL-4	2/A4.3	14/AD.2	12 & 13/AD.2	MTL	-	21	
A101B	3'-0" x 7'-10"	FG2	AL	PFN	GL-1	6	AL	PFN	GL-4	2/A4.3	14/AD.2	12 & 13/AD.2	MTL	-	21	
A101C	3'-0" x 7'-10"	FG2	AL	PFN	GL-1	6	AL	PFN	GL-4	2/A4.3	14/AD.2	12 & 13/AD.2	MTL	-	22	
A101D	3'-0" x 7'-10"	FG2	AL	PFN	GL-1	7	AL	PFN	GL-1	9/AD.2	8/AD.2	7/AD.2	-	-	19	
A101E	3'-0" x 7'-10"	FG2	AL	PFN	GL-1	7	AL	PFN	GL-1	9/AD.2	8/AD.2	7/AD.2	-	-	19	
A101F	3'-0" x 7'-10"	FG2	AL	PFN	GL-1	7	AL	PFN	GL-1	9/AD.2	8/AD.2	7/AD.2	-	-	19	
A101G	3'-0" x 7'-10"	FG2	AL	PFN	GL-1	7	AL	PFN	GL-1	9/AD.2	8/AD.2	7/AD.2	-	-	20	
A104	3'-0" x 7'-2"	F	WD	PFN	-	1	HM	PTD	-	2/AD.2	1/AD.2	18/AD.2	THR-1	-	15	
A105	3'-0" x 7'-2"	F	WD	PFN	-	1	HM	PTD	-	2/AD.2	1/AD.2	18/AD.2	THR-1	-	15	
A106	3'-0" x 7'-2"	N	WD	PFN	GL-2	1	HM	PTD	-	2/AD.2	1/AD.2	-	-	-	14	
A106A	3'-0" x 7'-2"	N	WD	PFN	GL-2	1	HM	PTD	-	2/AD.2	1/AD.2	-	-	-	11	
A107	3'-0" x 7'-2"	F	WD	PFN	-	1	HM	PTD	-	2/AD.2	1/AD.2	-	-	-	8	
A109	3'-0" x 7'-2"	F	FRP	PFN	-	2	AL	PFN	-	15/AD.2	14/AD.2	12/AD.2	MTL	-	6	
A109A	3'-0" x 7'-2"	F	FRP	PFN	-	2	AL	PFN	-	15/AD.2	14/AD.2	12/AD.2	MTL	-	6	
A110	3'-0" x 7'-2"	F	WD	PFN	-	1	HM	PTD	-	2/AD.2	1/AD.2	-	-	-	9	
A110A	10'-0" x 10'-0"	CD(F)	METAL	PFN	-	-	-	-	-	11/AD.2	10/AD.2	-	-	-		OVERHEAD COILING DOOR
A110B	10'-0" x 10'-0"	CD(F)	METAL	PFN	-	-	-	-	-	17/AD.2	16/AD.2	-				INSULATED OVERHEAD COILING DOOR
A110C	3'-0" x 7'-2"	F	FRP	PFN	-	1	AL	PFN	-	15/AD.2	14/AD.2	12/AD.2	MTL	-	13	
A111	3'-0" x 7'-2"	N	WD	PFN	GL-2	1	HM	PTD	-	2/AD.2	1/AD.2	-	-	-	7	
A112	3'-0" x 7'-2"	F	WD	PFN	-	1	HM	PTD	-	2/AD.2	1/AD.2	-	-	-	7	
A114	(2) 3'-0" x 7'-2"	N	WD	PFN	GL-2	1	HM	PTD	-	2/AD.2	1/AD.2	-	-	-	12	
A114A	3'-0" x 7'-2"	N	WD	PFN	GL-2	1	HM	PTD	-	2/AD.2	1/AD.2	-	-	-	11	
A114C	39'-0" x 9'-0"	FPP	STL	PFN	-	-	-	-	-	9/A5.2	-	-	-	-		FOLDING PANEL PARTITION - SEE SPEC SECTION 10 2239
A115	(2) 3'-0" x 7'-2"	N	WD	PFN	GL-2	1	HM	PTD	-	2/AD.2	1/AD.2	-	-	-	12	
A115A	3'-0" x 7'-2"	N	WD	PFN	GL-2	1	HM	PTD	-	2/AD.2	1/AD.2	-	-	-	11	
A116	(2) 3'-0" x 7'-2"	F	WD	PFN	-	1	HM	PTD	-	2/AD.2	1/AD.2	-	-	-	18	
A117	3'-0" x 7'-2"	F	FRP	PFN	-	2	AL	PFN	-	15/AD.2	14/AD.2	12/AD.2	MTL	-	6	
A117A	3'-0" x 7'-2"	F	FRP	PFN	-	2	AL	PFN	-	15/AD.2	14/AD.2	12/AD.2	MTL	-	6	
A117B	3'-0" x 7'-2"	V	WD	PFN	FRGL-1	2	HM	PTD	-	2/AD.2	1/AD.2	-	-	60	16	
A117C	3'-0" x 7'-2"	V	WD	PFN	FRGL-1	2	HM	PTD	-	2/AD.2	1/AD.2	-	-	60	16	
A120	3'-0" x 7'-2"	F	WD	PFN	-	1	HM	PTD	-	2/AD.2	1/AD.2	-	-	-	10	
A121	3'-0" x 7'-2"	F	WD	PFN	-	1	HM	PTD	-	2/AD.2	1/AD.2	19/AD.2	THR-1	-	5	
A122	3'-0" x 7'-2"	F	FRP	PFN	-	4	AL	PFN	-	15/AD.2	14/AD.2	12/AD.2	MTL	-	6	
A122A	3'-0" x 7'-2"	F	FRP	PFN	-	4	AL	PFN	-	15/AD.2	14/AD.2	12/AD.2	MTL	-	6	
A122B	3'-0" x 7'-2"	F	FRP	PFN	-	4	AL	PFN	-	15/AD.2	14/AD.2	12/AD.2	MTL	-	6	
A122C	3'-0" x 7'-2"	F	FRP	PFN	-	4	AL	PFN	-	15/AD.2	14/AD.2	12/AD.2	MTL	-	6	
A122D	3'-0" x 7'-2"	F	FRP	PFN	-	4	AL	PFN	-	15/AD.2	14/AD.2	12/AD.2	MTL	-	6	
A122E	3'-0" x 7'-2"	F	FRP	PFN	-	4	AL	PFN	-	15/AD.2	14/AD.2	12/AD.2	MTL	-	6	
A122F	10'-0" x 10'-0"	CD(F)	METAL	PFN	-	-	-	-	-	17/AD.2	16/AD.2	-				INSULATED OVERHEAD COILING DOOR
A122G	3'-0" x 7'-2"	F	FRP	PFN	-	2	AL	PFN	-	15/AD.2	14/AD.2	12/AD.2	MTL	-	6	
A122H	3'-0" x 7'-2"	F	FRP	PFN	-	2	AL	PFN	-	15/AD.2	14/AD.2	12/AD.2	MTL	-	6	
A123	(2) 3'-0" x 7'-2"	F	WD	PFN	-	1	HM	PTD	-	2/AD.2	1/AD.2	-	-	-	17	
First Level - Zone 'B'																
B101	3'-0" x 7'-2"	F	FRP	PFN	-	3	AL	PFN	-	15/AD.2	14/AD.2	12/AD.2	MTL	-	6	
B101A	3'-0" x 7'-2"	F	FRP	PFN	-	3	AL	PFN	-	15/AD.2	14/AD.2	12/AD.2	MTL	-	6	
B101B	3'-0" x 7'-2"	F	FRP	PFN	-	3	AL	PFN	-	15/AD.2	14/AD.2	12/AD.2	MTL	-	6	
B101C	3'-0" x 7'-2"	F	FRP	PFN	-	3	AL	PFN	-	15/AD.2	14/AD.2	12/AD.2	MTL	-	6	
B101D	3'-0" x 7'-2"	F	FRP	PFN	-	3	AL	PFN	-	15/AD.2	14/AD.2	12/AD.2	MTL	-	6	
B101E	3'-0" x 7'-2"	F	FRP	PFN	-	2	AL	PFN	-	15/AD.2	14/AD.2	12/AD.2	MTL	-	6	
B101F	3'-0" x 7'-2"	F	FRP	PFN	-	2	AL	PFN	-	15/AD.2	14/AD.2	12/AD.2	MTL	-	6	
Second Level - Zone 'A'																
A202	3'-0" x 7'-2"	V	WD	PFN	FRGL-1	2	HM	PTD	-	2/AD.2	1/AD.2	-	-	60	16	
A202A	3'-0" x 7'-2"	V	WD	PFN	FRGL-1	2	HM	PTD	-	2/AD.2	1/AD.2	-	-	60	16	
A203	3'-0" x 7'-2"	F	WD	PFN	-	1	HM	PTD	-	2/AD.2	1/AD.2	-	-	-	3	
A204	3'-6" x 7'-2"	F	WD	PFN	-	1	HM	PTD	-	2/AD.2	1/AD.2	-	-	-	1	
A205	3'-0" x 7'-2"	F	WD	PFN	-	1	HM	PTD	-	2/AD.2	1/AD.2	-	-	-	2	
A206	3'-0" x 7'-2"	F	WD	PFN	-	1	HM	PTD	-	2/AD.2	1/AD.2	-	-	-	2	
A207	3'-0" x 7'-2"	V	WD	PFN	FRGL-1	2	HM	PTD	-	2/AD.2	1/AD.2	-	-	60	16	
A207A	3'-0" x 7'-2"	V	WD	PFN	FRGL-1	2	HM	PTD	-	2/AD.2	1/AD.2	-	-	60	16	



A

WINDOW FRAME TYPES

GLAZING TYPES

GL-1 5/16" (8mm) HEAT-STRENGTHENED LAMINATED GLASS
GL-2 1/4" (6mm) CLEAR TEMPERED MONOLITHIC GLASS
GL-3 1" (25mm) CLEAR TEMPERED INSULATED MONOLITHIC GLASS (LOW-E)
GL-4 1" (25mm) CLEAR HEAT-STRENGTHENED LAMINATED INSULATED GLASS (LOW-E)

FRGL-1 5/16" (8mm) FIRE PROTECTIVE GLAZING (60 MIN)

DOOR SCHEDULE ABBREVIATIONS AND NOTES

(REFER TO SPECIFICATIONS FOR ADDTIONAL DOOR INFORMATION)

DOOR SCHEDULE ABBREVIATIONS

AL	ALUMINUM
ALGL	ALUMINUM AND GLASS
EX	EXISTING
FRAF	FIRE RATED ALUMINUM FRAMING
FRP	FIBERGLASS REINFORCED POLYESTER
HM	HOLLOW METAL
LAM	PLASTIC LAMINATE CLAD
MET	METAL THRESHOLD
NAT	NATURAL FINISHED WOODWORK
PFN	PREFINISHED BY MANUFACTURER
PTD	PAINTED
SDSF	SOLID SURFACE THRESHOLD
STL	STEEL
STSTL	STAINLESS STEEL
WD	SOLID CORE HARDWOOD

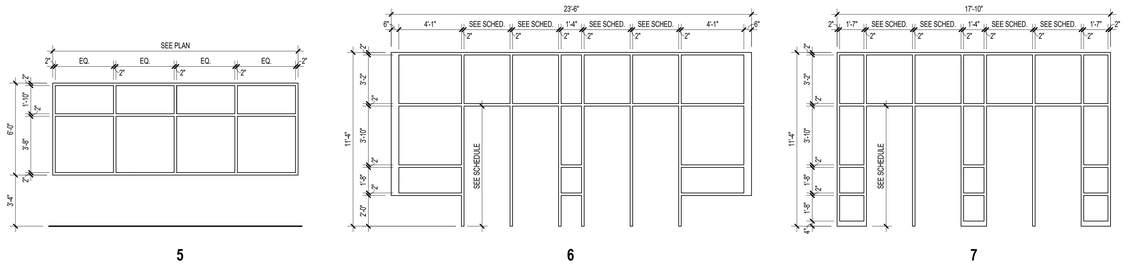
DOOR SCHEDULE GENERAL NOTES

1. GALVANIZED METAL TO BE PROVIDED FOR HOLLOW METAL DOOR AND/OR FRAME AT EXTERIOR LOCATIONS.
2. DOORS ARE 1-3/4" THICKNESS UNLESS OTHERWISE NOTED
3. DETAIL NUMBERS NOTED SIM. REFER TO DETAILS SHOWING HEAD, JAMB, AND/OR SILL DETAILS THAT REPRESENT CONDITIONS SIMILAR TO THOSE NOTED.
4. HOLLOW METAL FRAMES SET IN MASONRY WALLS ARE 5-3/4" WIDE.
5. HOLLOW METAL FRAMES SET IN GYPSUM BD./METAL STUD PARTITIONS SHALL BE "DOUBLE BACK-BEND" FRAMES WITH A THROAT DIMENSION EQUAL TO THE PARTITION THICKNESS PLUS 9/16" RETURNS ON EACH SIDE OF THE PARTITION. PROVIDE EQUAL RABBETS.
6. AN ASTERICK (*) CALLS ATTENTION TO THE REMARKS COLUMN OF THE SCHEDULE.

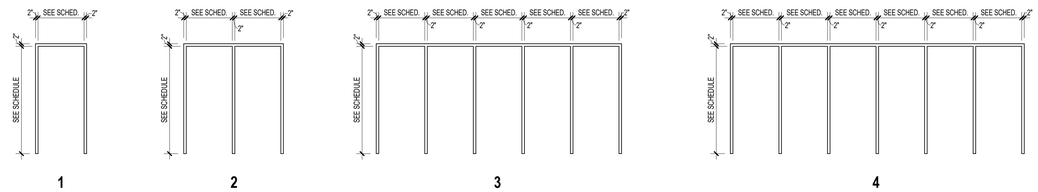
U.L. DOOR LABEL DESIGNATIONS

U.L. LABEL**	MIN. OPENING PROTECTION ASSEMBLY
180	3 HR. RATING
90	1-1/2 HR. RATING
60	1 HR. RATING
45	3/4 HR. RATING
20	1/3 HR. RATING

**ALL FIRE RATED DOORS SHALL BE SMOKE AND DRAFT CONTROL LABELED IN ADDITION TO U.L. LABELS INDICATED.

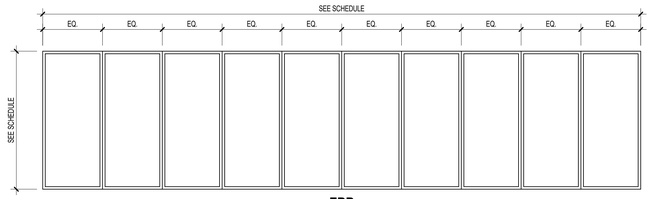


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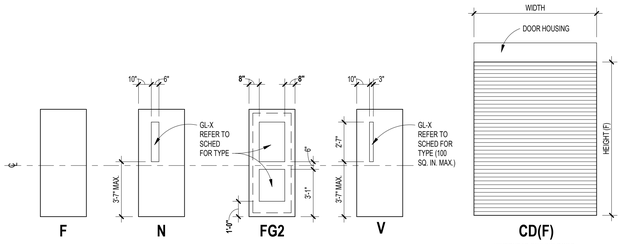


1 2 3 4

FRAME TYPES



FPP



F N FG2 V CD(F)

(OVERHEAD COILING DOOR F=FACE OR J=JAMB)

DOOR TYPES

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REGISTRATION SEAL

CONSULTANT

PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MICHIGAN

DRAWING TITLE

Door & Frame Schedule

ISSUE DATES

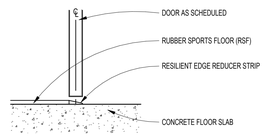
02-26-2026	D.R. - 2 CONSTRUCTION DOCUMENTS
02-12-2026	OWNER REVIEW
12-19-2025	DESIGN DEVELOPEMENT
12-16-2025	BID PACKAGE NO. 1 - PEMB
10-17-2025	SCHEMATIC DESIGN
DATE:	ISSUED FOR:
DRAWN	JM
CHECKED	MS
APPROVED	DL

PROJECT NO.

25026E

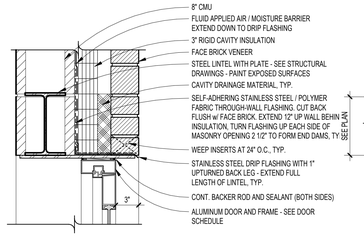
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AD.1



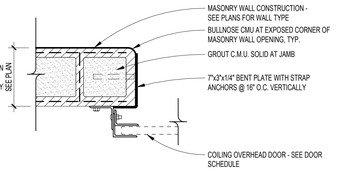
20 SILL DETAIL - RSF TO CONCRETE

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



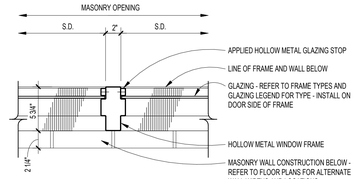
15 ALUMINUM DOOR FRAME HEAD AT EXT. WALL

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



10 OVERHEAD INTERIOR DOOR JAMB DETAIL

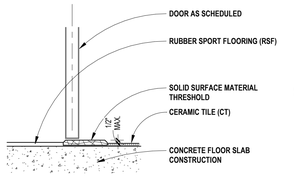
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5 HOLLOW METAL WINDOW FRAME MULLION DETAIL

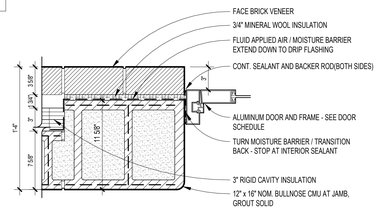
SCALE: 1 1/2" = 1'-0"

NOTE: ALL SOLID SURFACE THRESHOLD SHALL BE THE SAME WIDTH AS DOOR FRAMES



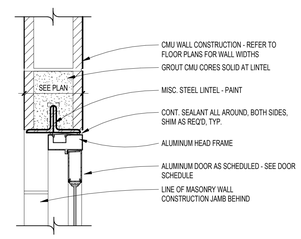
19 SILL TRANSITION - RSF TO CT

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



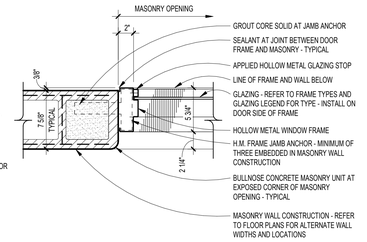
14 ALUMINUM DOOR FRAME JAMB AT EXT. WALL

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



9 ALUMINUM DOOR FRAME HEAD DETAIL

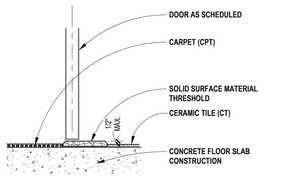
SCALE: 1 1/2" = 1'-0"



4 HOLLOW METAL WINDOW FRAME JAMB DETAIL

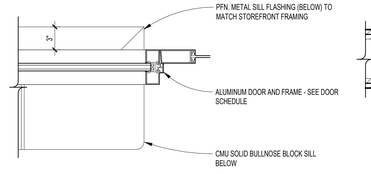
SCALE: 1 1/2" = 1'-0"

NOTE: ALL SOLID SURFACE THRESHOLD SHALL BE THE SAME WIDTH AS DOOR FRAMES



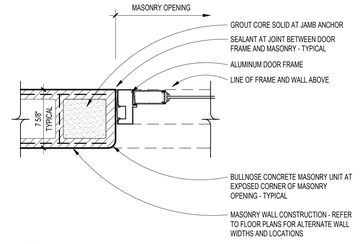
18 SILL TRANSITION - CPT TO CT

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



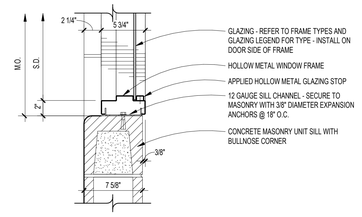
13 ALUMINUM DOOR FRAME JAMB AT EXT. WALL

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



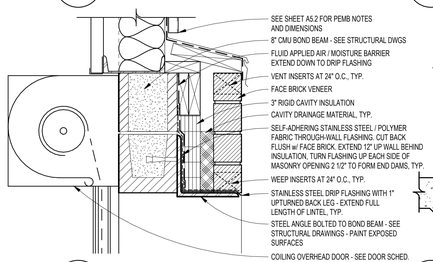
8 ALUMINUM DOOR FRAME JAMB DETAIL

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



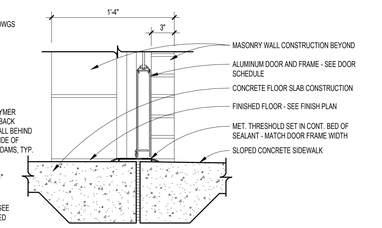
3 HOLLOW METAL WINDOW FRAME SILL DETAIL

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



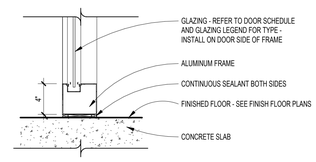
17 A4.1 OVERHEAD EXTERIOR DOOR HEAD DETAIL

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



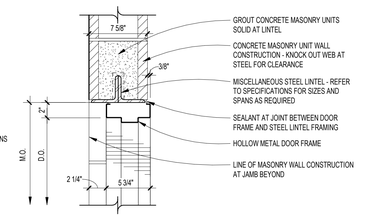
12 ALUMINUM THRESHOLD AT DOOR

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



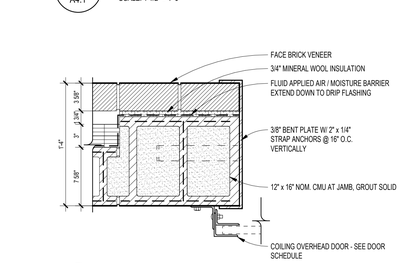
7 ALUMINUM SIDELITE SILL DETAIL

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



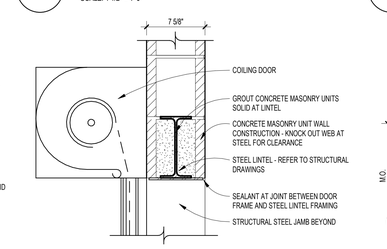
2 HOLLOW METAL DOOR FRAME HEAD DETAIL

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



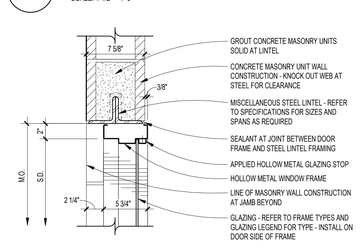
16 OVERHEAD EXTERIOR DOOR JAMB DETAIL

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



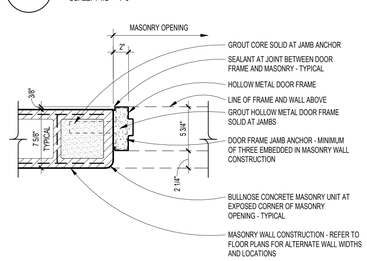
11 OVERHEAD INTERIOR DOOR HEAD DETAIL

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



6 HOLLOW METAL WINDOW FRAME HEAD DETAIL

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



1 HOLLOW METAL DOOR FRAME JAMB DETAIL

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

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REGISTRATION SEAL

CONSULTANT

PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MICHIGAN

DRAWING TITLE

Head, Jamb & Sill Details

ISSUE DATES

02-26-2026	D.R. - 2 CONSTRUCTION DOCUMENTS
02-12-2026	OWNER REVIEW
12-19-2025	DESIGN DEVELOPEMENT
12-16-2025	BID PACKAGE NO. 1 - PEMB
10-17-2025	SCHEMATIC DESIGN
DATE:	ISSUED FOR:

DRAWN	JM
CHECKED	MS
APPROVED	DL

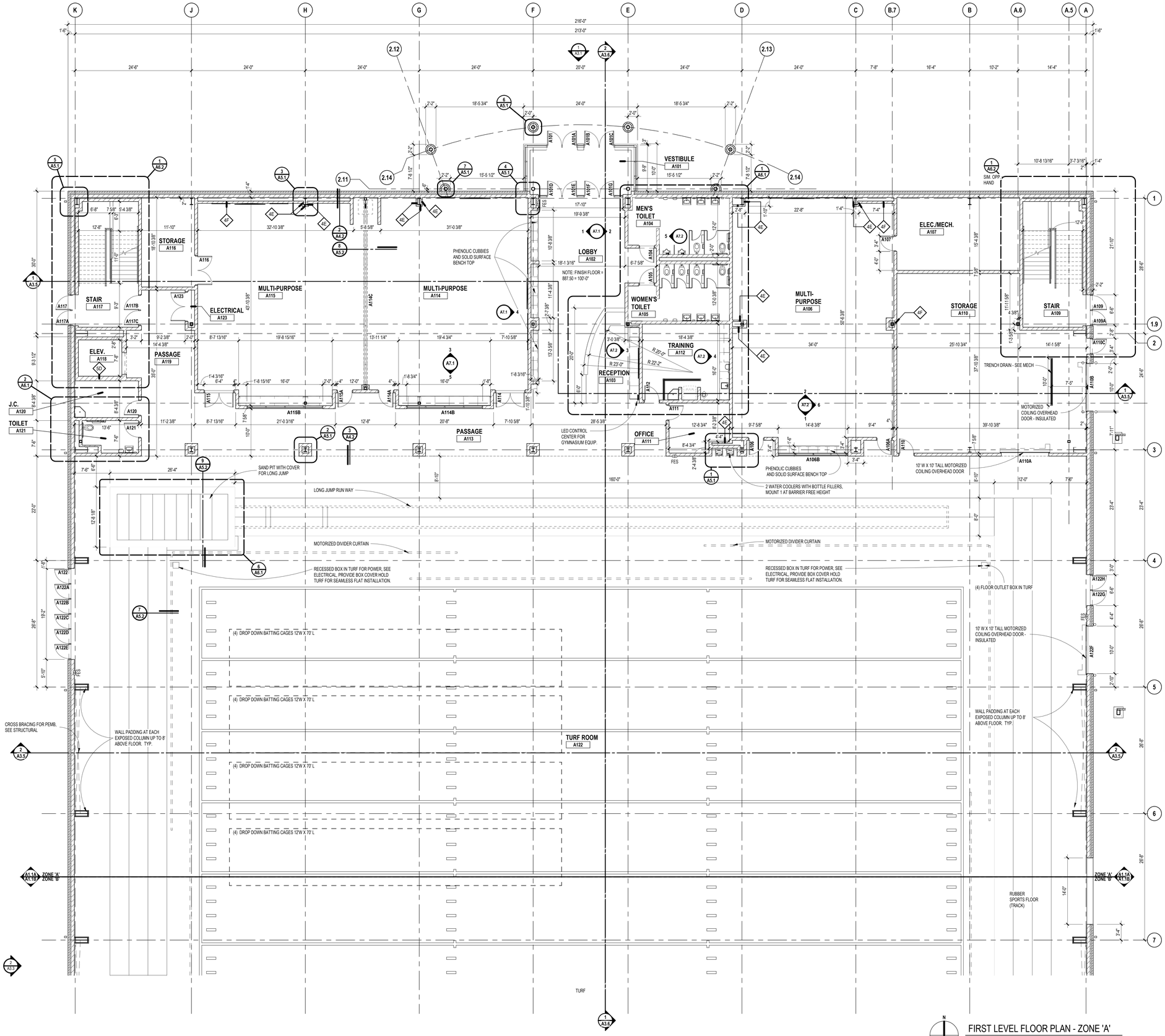
PROJECT NO.

25026E

DRAWING NO.

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FIRST LEVEL FLOOR PLAN - ZONE 'A'

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

WALL / PARTITION KEY

- EXISTING WALL CONSTRUCTION
- METAL STUD PARTITION
- CONCRETE MASONRY UNIT WALL w/ HORIZONTAL REINFORCEMENT AT 16" OC
- CAST-IN-PLACE CONCRETE WALL (REFER TO STRUCTURAL FOR REINFORCING REQUIREMENTS)

WALL / PARTITION LEGEND

- 1C 3 5/8" METAL STUDS AT 16" O.C. (MAX.) WITH 5/8" GYPSUM BOARD ONE SIDE. HEIGHT: FROM FLOOR TO 4" ABOVE CEILING. BRACE TO ADJACENT WALL AS REQUIRED
- 1G 3 5/8" METAL STUDS @ 16" OC (MAX) W/ 5/8" GYP BOARD ONE SIDE TO STRUCTURE ABOVE
- 4D 12" CMU TO ONE FULL COURSE ABOVE CEILING
- 4E 4" CMU TO DECK ABOVE
- 4F 6" CMU TO DECK ABOVE
- 5D 12" CMU TO DECK ABOVE, 1 HOUR RATED, UL DESIGN NO. U905

NOTES:

1. COORDINATE WITH THE REFLECTED CEILING PLANS FOR RATED WALLS. WALLS WHICH EXTEND UP TO THE STRUCTURE ABOVE AND WALLS WHICH EXTEND ONLY A MINIMUM OF 4" ABOVE THE ADJACENT HIGHEST CEILING. DIMENSIONS OF WALLS ARE SHOWN ACTUAL U.N.O. IN PLAN FOR DETERMINING THE CMU THICKNESS. REFER TO BUILDING SECTIONS, WALL SECTIONS AND INTERIOR ELEVATIONS FOR BANDING OF SPECIAL CMU TYPES OR ANY OTHER SPECIAL CONDITIONS. PARTIAL HEIGHT CMU WALLS WILL BE NOTED AS SUCH ON THE FLOOR PLANS.
2. REFER TO MASONRY SPECIFICATION FOR VERTICAL REINFORCEMENT AND WALL BRACING NOT INDICATED ON DRAWINGS.
3. AT FIRE-RATED AND SMOKE-RESISTING WALLS (MASONRY OR GYPSUM BOARD), PROVIDE U.L. APPROVED, FIRE-RATED, HEAD-OF-WALL TERMINATIONS AS INDICATED. IF NOT INDICATED, PROVIDE "BASIS OF DESIGN", HEAD-OF-WALL FIRESTOP JOINT SYSTEM AS INDICATED IN SPECIFICATION SECTION 078446 (1 OR 2 HOUR AS APPROPRIATE). PROVIDE MINIMUM 1 HOUR TERMINATION AT SMOKE-RESISTING WALLS.
4. ALL CMU IS 8" THICK (ACTUAL= 7 5/8") UNLESS DIMENSIONED OR TAGGED OTHERWISE.
5. PROVIDE BULLNOSE CMU UNITS AT ALL OUTSIDE COURNERS WHEN CORNERS ARE EXPOSED IN FINAL CONSTRUCTION. DO NOT BULLNOSE CORNERS WHEN ABUTTING CONSTRUCTION (i.e. GYPSUM BOARD) IS INTENDED TO BE FLUSH WITH CMU.
6. ALL GYPSUM WALLS TO RECEIVE ABUSE RESISTANT GYPSUM BOARD BELOW 4'-0" AFF, TYPICAL.
7. WHERE FINISH PLANS (A10 SERIES DRAWINGS) CALL FOR WALL TILE, PROVIDE CEMENT BOARD SUBSTRATE IN LIEU OF GYPSUM BOARD.
8. ALL DOORS LOCATED 4" FROM JAMB TO ADJACENT WALL UNLESS OTHERWISE INDICATED.

GENERAL NOTES

1. COORDINATE SIZE AND LOCATION OF ALL CONCRETE HOUSEKEEPING PADS AND / OR EQUIPMENT SUPPORTS WITH APPROPRIATE EQUIPMENT MANUFACTURER.
2. 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 EACH TRADE. ALL LOCATIONS MUST BE COORDINATED AND APPROVED BY THE ARCHITECT'S FIELD REPRESENTATIVE.
3. FLOOR PLANS ARE DIMENSIONED TO ACTUAL WALL THICKNESS - TYPICAL.
4. DIMENSIONS FOLLOWED BY ± SHOULD BE REVIEWED AND ALL NECESSARY ADJUSTMENTS MADE PRIOR TO FABRICATION AND / OR INSTALLATION OF AFFECTED WORK. NOTIFY ARCHITECTS REPRESENTATIVE IF DISCREPANCIES ARISE BEFORE PROCEEDING WITH THE WORK.
5. INSTALL CONTROL JOINTS IN GYPSUM BOARD AND METAL STUD-FRAMED PARTITIONS, WALLS, CEILINGS, BULKHEADS, FASCIAE AND SOFFITS IN COMPLIANCE WITH SPECIFICATIONS, AND WITH GENERAL REQUIREMENTS OF ASTM C840. PRIOR TO COMMENCEMENT OF FRAMING INSTALLATION SUBMIT COORDINATION DRAWINGS INDICATING PROPOSED LOCATIONS OF ALL CONTROL JOINTS, AS SPECIFIED.
6. PROVIDE CONTROL JOINTS WHERE INTERIOR CMU (ON SLAB) ABUTS EXTERIOR / INTERIOR MASONRY (ON FOUNDATIONS OR FOOTINGS).
7. VERIFY QUANTITY, SIZE, AND LOCATION OF ALL FLOOR, ROOF, AND WALL OPENINGS FOR MECHANICAL AND ELECTRICAL WORK WITH THE APPROPRIATE TRADE. PROVIDE ALL OPENINGS SHOWN OR REQUIRED FOR THE COMPLETION OF THE WORK. PROVIDE ALL LINTELS REQUIRED FOR THESE OPENINGS PER SPECIFICATIONS.
8. REFER TO LIFE SAFETY PLANS FOR LOCATIONS OF REQUIRED FIRE RESISTANCE RATINGS. BECAUSE OF THE DRAWING SCALE OF THE LIFE SAFETY PLANS, COORDINATE THE REQUIRED FIRE RESISTANCE RATINGS WITH THOSE SHOWN ON THE REFLECTED CEILING PLANS.
9. REFER TO REFLECTED CEILING PLANS FOR EXTENSION OF PARTITION WALLS TO FLOOR OR ROOF CONSTRUCTION ABOVE AND WALL FIRE RESISTANCE RATING REQUIREMENTS.
10. REFER TO STRUCTURAL DRAWINGS FOR ALL WIND FRAME LOCATIONS AT INTERIOR AND EXTERIOR WALLS.
11. REFER TO A10_ SERIES DRAWINGS FOR FLOOR FINISH PATTERNS AND ROOM FINISHES.
12. REFER TO STRUCTURAL DRAWINGS FOR ORIENTATION AND SIZES OF ALL STRUCTURAL COLUMNS.
13. REFER TO DRAWING A8_ FOR TYPICAL DETAILS PERTAINING TO WALL TERMINATIONS AT STRUCTURE ABOVE AND MASONRY CONTROL JOINT DETAILS.
14. VERIFY ALL DIMENSIONS IN FIELD.
15. PROVIDE WOOD BLOCKING WITHIN STUD WALLS FOR WALL MOUNTED ITEMS i.e. GRAB BARS, TOWEL DISPENSERS, PENCIL SHARPENERS, WALL STOPS, ACCORDIAN PARTITION JAMBS, ETC. REFER ALSO TO A9_ SERIES AND A8_ SERIES DRAWINGS.
16. REFER TO EXTERIOR ELEVATIONS AND PLAN DETAILS FOR LOCATIONS OF CONTROL JOINTS IN EXTERIOR WALLS.
17. WHERE SLAB DEPRESSIONS ARE INDICATED FOR WOOD FLOOR SYSTEMS, CONFIRM DEPRESSION WITH WOOD FLOORING CONTRACTOR. ADJUST DEPRESSION, AS REQUIRED, TO MEET FLUSH WITH ADJACENT FLOOR MATERIALS (i.e. CERAMIC TILE, QUARRY TILE, ETC.).

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REGISTRATION SEAL

CONSULTANT

PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MICHIGAN

DRAWING TITLE

First Level Floor Plan - Zone 'A'

A
B

ISSUE DATES

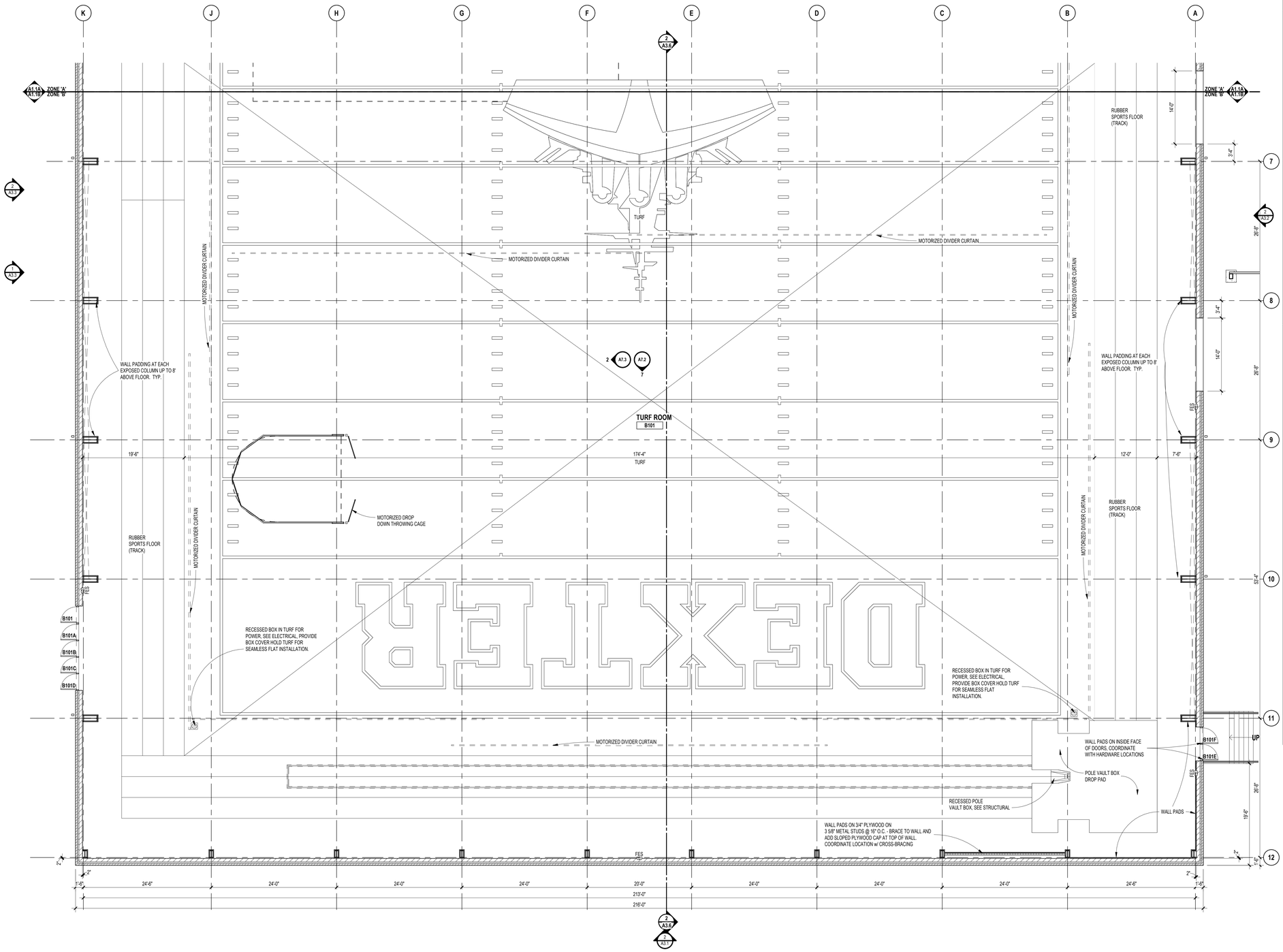
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10-17-2025	SCHEMATIC DESIGN

DRAWN	JM
CHECKED	MS
APPROVED	DL

PROJECT NO.
25026E

DRAWING NO.
A1.1A

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WALL / PARTITION KEY

- EXISTING WALL CONSTRUCTION
- METAL STUD PARTITION
- CONCRETE MASONRY UNIT WALL w/ HORIZONTAL REINFORCEMENT AT 16" OC
- CAST-IN-PLACE CONCRETE WALL (REFER TO STRUCTURAL FOR REINFORCING REQUIREMENTS)

WALL / PARTITION LEGEND

- 1C 3 5/8" METAL STUDS AT 16" O.C. (MAX.) WITH 5/8" GYPSUM BOARD ONE SIDE. HEIGHT: FROM FLOOR TO 4" ABOVE CEILING. BRACE TO ADJACENT WALL AS REQUIRED
- 1G 3 5/8" METAL STUDS @ 16" OC (MAX) W/ 5/8" GYP BOARD ONE SIDE TO STRUCTURE ABOVE
- 4D 12" CMU TO ONE FULL COURSE ABOVE CEILING
- 4E 4" CMU TO DECK ABOVE
- 4F 6" CMU TO DECK ABOVE
- 5D 12" CMU TO DECK ABOVE, 1 HOUR RATED, UL DESIGN NO. U905

NOTES:

1. COORDINATE WITH THE REFLECTED CEILING PLANS FOR RATED WALLS. WALLS WHICH EXTEND UP TO THE STRUCTURE ABOVE AND WALLS WHICH EXTEND ONLY A MINIMUM OF 4" ABOVE THE ADJACENT HIGHEST CEILING. DIMENSIONS OF WALLS ARE SHOWN ACTUAL U.N.O. IN PLAN FOR DETERMINING THE CMU THICKNESS. REFER TO BUILDING SECTIONS, WALL SECTIONS AND INTERIOR ELEVATIONS FOR BANDING OF SPECIAL CMU TYPES OR ANY OTHER SPECIAL CONDITIONS. PARTIAL HEIGHT CMU WALLS WILL BE NOTED AS SUCH ON THE FLOOR PLANS.
2. REFER TO MASONRY SPECIFICATION FOR VERTICAL REINFORCEMENT AND WALL BRACING NOT INDICATED ON DRAWINGS.
3. AT FIRE-RATED AND SMOKE-RESISTING WALLS (MASONRY OR GYPSUM BOARD), PROVIDE U.L. APPROVED, FIRE-RATED, HEAD-OF-WALL TERMINATIONS AS INDICATED. IF NOT INDICATED, PROVIDE "BASIS OF DESIGN", HEAD-OF-WALL FIRESTOP JOINT SYSTEM AS INDICATED IN SPECIFICATION SECTION 078446 (1 OR 2 HOUR AS APPROPRIATE). PROVIDE MINIMUM 1 HOUR TERMINATION AT SMOKE-RESISTING WALLS.
4. ALL CMU IS 8" THICK (ACTUAL= 7 5/8") UNLESS DIMENSIONED OR TAGGED OTHERWISE.
5. PROVIDE BULLNOSE CMU UNITS AT ALL OUTSIDE COURNERS WHEN CORNERS ARE EXPOSED IN FINAL CONSTRUCTION. DO NOT BULLNOSE CORNERS WHEN ABUTTING CONSTRUCTION (i.e. GYPSUM BOARD) IS INTENDED TO BE FLUSH WITH CMU.
6. ALL GYPSUM WALLS TO RECEIVE ABUSE RESISTANT GYPSUM BOARD BELOW 4'-0" AFF, TYPICAL.
7. WHERE FINISH PLANS (A10 SERIES DRAWINGS) CALL FOR WALL TILE, PROVIDE CEMENT BOARD SUBSTRATE IN LIEU OF GYPSUM BOARD.
8. ALL DOORS LOCATED 4" FROM JAMB TO ADJACENT WALL UNLESS OTHERWISE INDICATED.

GENERAL NOTES

1. COORDINATE SIZE AND LOCATION OF ALL CONCRETE HOUSEKEEPING PADS AND / OR EQUIPMENT SUPPORTS WITH APPROPRIATE EQUIPMENT MANUFACTURER.
2. 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 EACH TRADE. ALL LOCATIONS MUST BE COORDINATED AND APPROVED BY THE ARCHITECT'S FIELD REPRESENTATIVE.
3. FLOOR PLANS ARE DIMENSIONED TO ACTUAL WALL THICKNESS - TYPICAL.
4. DIMENSIONS FOLLOWED BY ± SHOULD BE REVIEWED AND ALL NECESSARY ADJUSTMENTS MADE PRIOR TO FABRICATION AND / OR INSTALLATION OF AFFECTED WORK. NOTIFY ARCHITECTS REPRESENTATIVE IF DISCREPANCIES ARISE BEFORE PROCEEDING WITH THE WORK.
5. INSTALL CONTROL JOINTS IN GYPSUM BOARD AND METAL STUD-FRAMED PARTITIONS, WALLS, CEILINGS, BULKHEADS, FASCIAE AND SOFFITS IN COMPLIANCE WITH SPECIFICATIONS, AND WITH GENERAL REQUIREMENTS OF ASTM C840. PRIOR TO COMMENCEMENT OF FRAMING INSTALLATION SUBMIT COORDINATION DRAWINGS INDICATING PROPOSED LOCATIONS OF ALL CONTROL JOINTS, AS SPECIFIED.
6. PROVIDE CONTROL JOINTS WHERE INTERIOR CMU (ON SLAB) ABUTS EXTERIOR / INTERIOR MASONRY (ON FOUNDATIONS OR FOOTINGS).
7. VERIFY QUANTITY, SIZE, AND LOCATION OF ALL FLOOR, ROOF, AND WALL OPENINGS FOR MECHANICAL AND ELECTRICAL WORK WITH THE APPROPRIATE TRADE. PROVIDE ALL OPENINGS SHOWN OR REQUIRED FOR THE COMPLETION OF THE WORK. PROVIDE ALL LINTELS REQUIRED FOR THESE OPENINGS PER SPECIFICATIONS.
8. REFER TO LIFE SAFETY PLANS FOR LOCATIONS OF REQUIRED FIRE RESISTANCE RATINGS. BECAUSE OF THE DRAWING SCALE OF THE LIFE SAFETY PLANS, COORDINATE THE REQUIRED FIRE RESISTANCE RATINGS WITH THOSE SHOWN ON THE REFLECTED CEILING PLANS.
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FIRST LEVEL FLOOR PLAN - ZONE 'B'

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

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REGISTRATION SEAL

CONSULTANT

PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MICHIGAN

DRAWING TITLE

First Level Floor Plan - Zone 'B'

A
B

ISSUE DATES

02-26-2026	D.R. - 2 CONSTRUCTION DOCUMENTS
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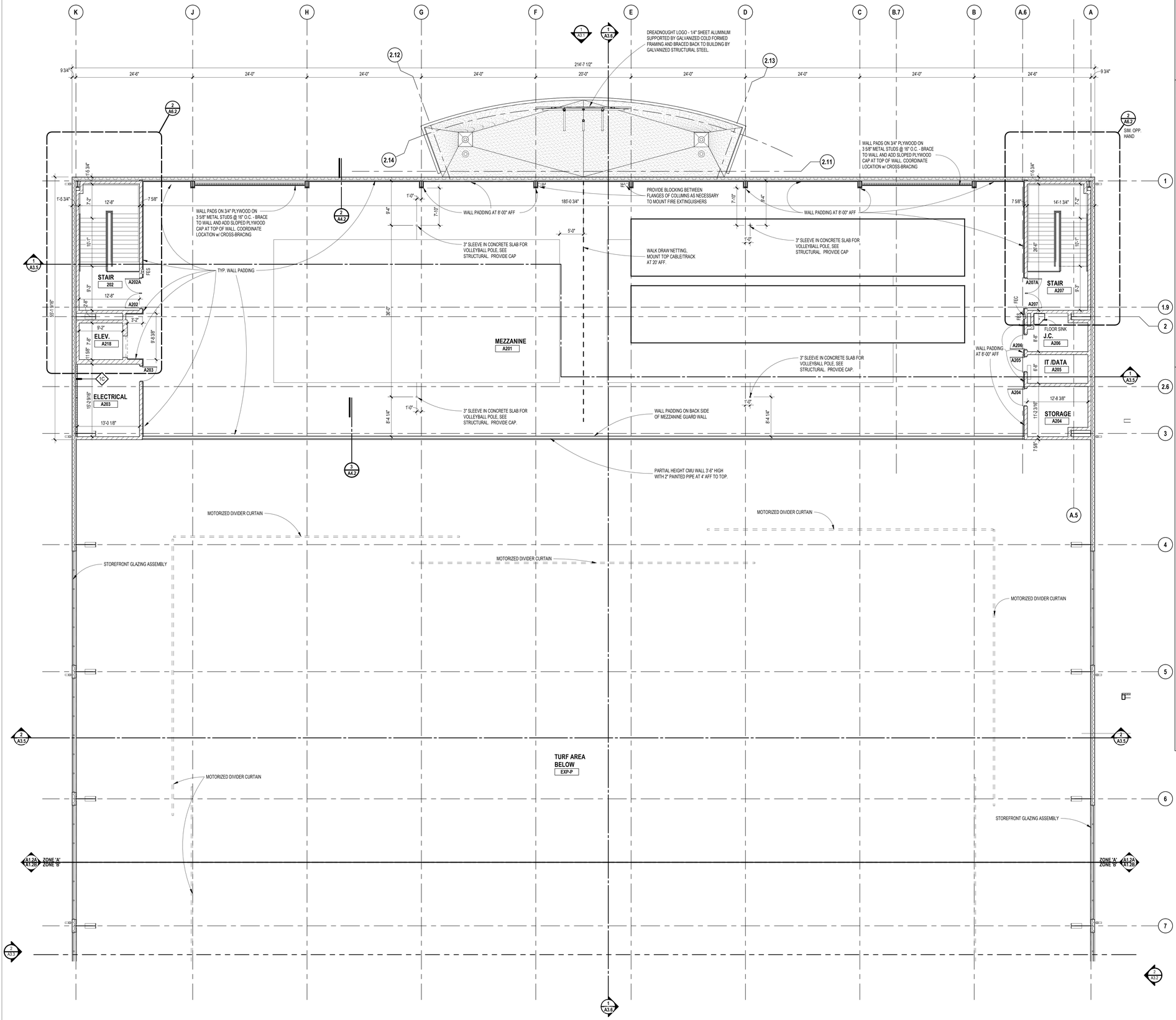
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25026E

DRAWING NO.

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WALL / PARTITION KEY

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N

SECOND LEVEL FLOOR PLAN - ZONE 'A'

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

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REGISTRATION SEAL

CONSULTANT

PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MICHIGAN

DRAWING TITLE

Second Level Floor Plan - Zone 'A'

A
B

ISSUE DATES

DATE:	ISSUED FOR:
02-26-2026	D.R. - 2 CONSTRUCTION DOCUMENTS
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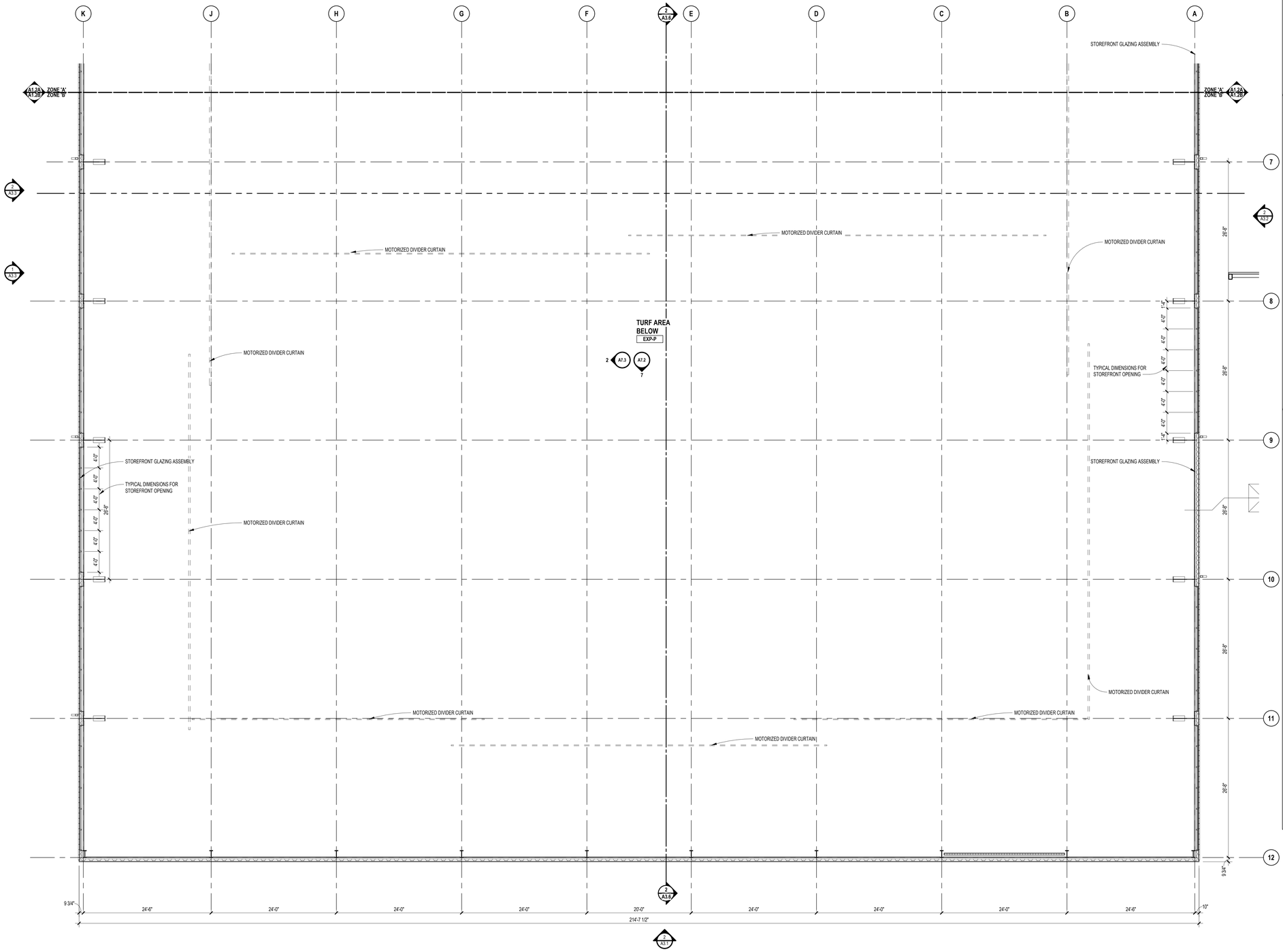
PROJECT NO.

25026E

DRAWING NO.

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WALL / PARTITION KEY

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N

SECOND LEVEL FLOOR PLAN - ZONE 'B'

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

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NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MICHIGAN

DRAWING TITLE

Second Level Floor Plan - Zone 'B'

A
B

ISSUE DATES

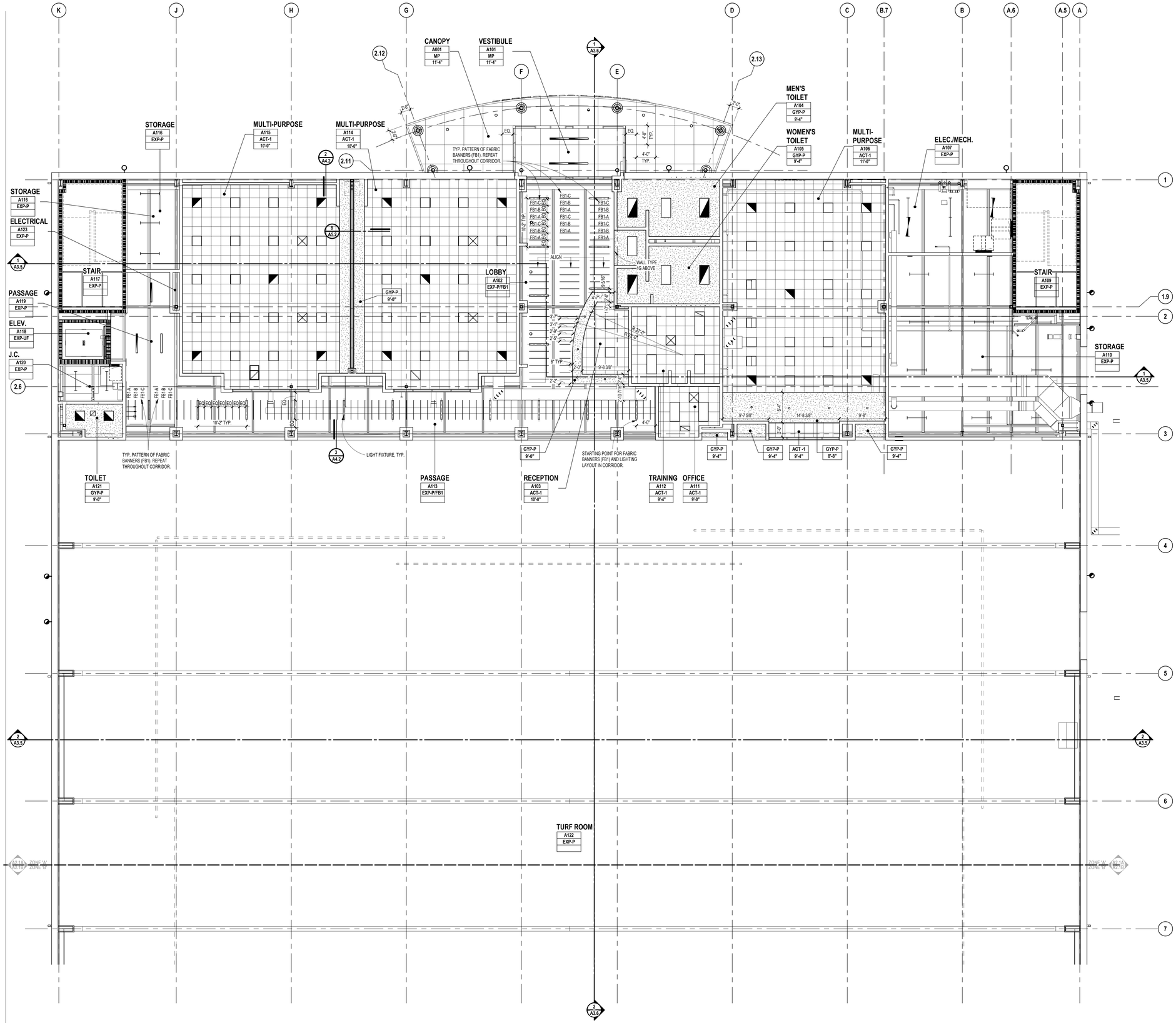
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FIRST LEVEL REFLECTED CEILING PLAN

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

FIXTURE LEGEND

- RECESSED L.E.D. TROFFER (2'x4' / 1'x4')
- L.E.D. INDUSTRIAL FIXTURE
- SURFACE MOUNTED LINEAR L.E.D. FIXTURE
- PENDANT MOUNTED LINEAR L.E.D. FIXTURE
- RECESSED DOWNLIGHT
- EXIT SIGN
- SPEAKER

FIRE / LIFE SAFETY FIXTURES: SEE ELECTRICAL, FIRE PROTECTION, PLUMBING, AND TECHNOLOGY DRAWINGS & SPECIFICATIONS

MECHANICAL EQUIPMENT / FIXTURES - SEE MECHANICAL DRAWINGS & SPECIFICATIONS

- SUPPLY DIFFUSER
- RETURN-AIR / EXHAUST GRILLE

CEILING KEY

- GYPSUM BOARD (PAINTED) OR INTERIOR / EXTERIOR FINISH SYSTEM CEILING / SOFFIT
- 24" x 24" SUSPENDED LAY-IN ACOUSTICAL CEILING
- EXPOSED (PAINTED U.O.N.)
- METAL PANEL

CEILING LEGEND

ROOM/CEILING TAGS
ROOM NAME AND NUMBER PLUS GENERAL CEILING FINISH AND HEIGHT UNLESS OTHERWISE NOTED CEILING FINISH TAGS.

CEILING FINISH TAG
SPECIFIC FINISH / HEIGHT WHERE VARYING FROM GENERAL ROOM / CEILING TAGS.

CLASSROOM ← ROOM NAME
101 ← ROOM NUMBER
ACT ← CEILING FINISH ABBREVIATION (SEE BELOW) → ACT
9'-0" ← CEILING HEIGHT (AFF) → 9'-10"

CEILING FINISH ABBREVIATIONS

ACT	ACOUSTICAL LAY-IN CEILING TILE
EXP-P	EXPOSED - PAINTED
EXP-UF	EXPOSED - UNFINISHED
FB	FABRIC BANNERS
GYP-P	GYPSUM BOARD - PAINTED
MP	METAL PANELS

NOTES

1. REFER TO FINISH PLANS FOR INFORMATION ON ROOM FINISHES.
2. REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION ON MATERIALS AND CONSTRUCTION.
3. WHERE EXPOSED CONSTRUCTION IS INDICATED TO BE PAINTED, THIS SHALL INCLUDE ALL STRUCTURAL MEMBERS, ROOF / FLOOR DECK, DUCTWORK, DIFFUSERS, GRILLES, PIPING, SUSPENDED EQUIPMENT, CONDUITS, ETC. (U.O.N.).

WALL FIRE RATING LEGEND

- 2-HOUR FIRE RATED HORIZONTAL EXIT
- 2-HOUR FIRE BARRIER
- SMOKE BARRIER WITH 1-HOUR FIRE RATING
- SMOKE BARRIER (NON-RATED) UNENCLOSED FLOOR OPENINGS
- 1-HOUR FIRE BARRIER FOR UNENCLOSED FLOOR OPENINGS
- 1-HOUR FIRE RATED EXT/ELEVATOR SHAFT ENCLOSURE
- 1-HOUR FIRE BARRIER ENCLOSED VERTICAL SHAFTS
- 1-HOUR FIRE BARRIER FOR PROTECTION FROM HAZARDS
- SMOKE RESISTING PARTITION
- NON RATED WALLS TO STRUCTURE ABOVE

GENERAL NOTES

1. REFER TO ELECTRICAL DRAWINGS FOR FIXTURE TYPES. REFER ELECTRICAL AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION PERTAINING TO ELECTRICAL AND MECHANICAL WORK.
2. 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. SPOT ALL LOCATIONS WITHIN FIXED GYPSUM BOARD CEILINGS AND RECEIVE APPROVAL FROM THE ARCHITECT'S FIELD REPRESENTATIVE BEFORE PLACEMENT.
3. COORDINATE CEILING SUSPENSION SYSTEMS WITH OTHER CEILING SPACE EQUIPMENT SUPPORTS.
4. ALL FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTIONS (ABOVE ACCESSIBLE CEILINGS) SHALL BE MARKED EVERY 30'-0" HORIZONTALLY AND WITHIN 15'-0" OF ENDS OF WALLS: "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS", REFER TO CURRENT BUILDING CODE FOR LETTERING HEIGHT, STROKE AND CONTRAST.
5. ALL GYPSUM BOARD FASCIAS @ SOFFITS, ADJACENT TO LAY-IN CEILINGS, SHALL EXTEND 4" MINIMUM ABOVE LAY-IN CEILINGS.
6. INSTALL CONTROL JOINTS IN GYPSUM BOARD AND METAL STUD-FRAMED PARTITIONS, WALLS, CEILINGS, BULKHEADS, FASCAE AND SOFFITS IN COMPLIANCE WITH SPECIFICATIONS, AND WITH GENERAL REQUIREMENTS OF ASTM C840. PRIOR TO COMMENCEMENT OF FRAMING INSTALLATION SUBMIT COORDINATION DRAWINGS INDICATING PROPOSED LOCATIONS OF ALL CONTROL JOINTS, AS SPECIFIED.
7. PROVIDE WOOD BLOCKING, ABOVE GYPSUM BOARD CEILINGS, AS REQUIRED FOR MISCELLANEOUS SUSPENDED ITEMS (e.g. CURTAIN TRACKS, WINDOW SHADES, ACOUSTICAL BAFFLES, ETC.).
8. REFER TO DRAWINGS A___ FOR TYPICAL DETAILS PERTAINING TO WALL TERMINATIONS AT STRUCTURE ABOVE.
9. SEE LIFE SAFETY PLANS FOR DAMPERING REQUIREMENTS.
10. CENTER SPRINKLER HEADS AT THE CENTER OF CEILING PANEL UNLESS SHOWN OTHERWISE. (REVIEW NOTE NO. 10 W/ GREG SMITH)

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REGISTRATION SEAL

CONSULTANT

PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MICHIGAN

DRAWING TITLE

First Level Reflected Ceiling Plan - Zone 'A'

A
B

ISSUE DATES

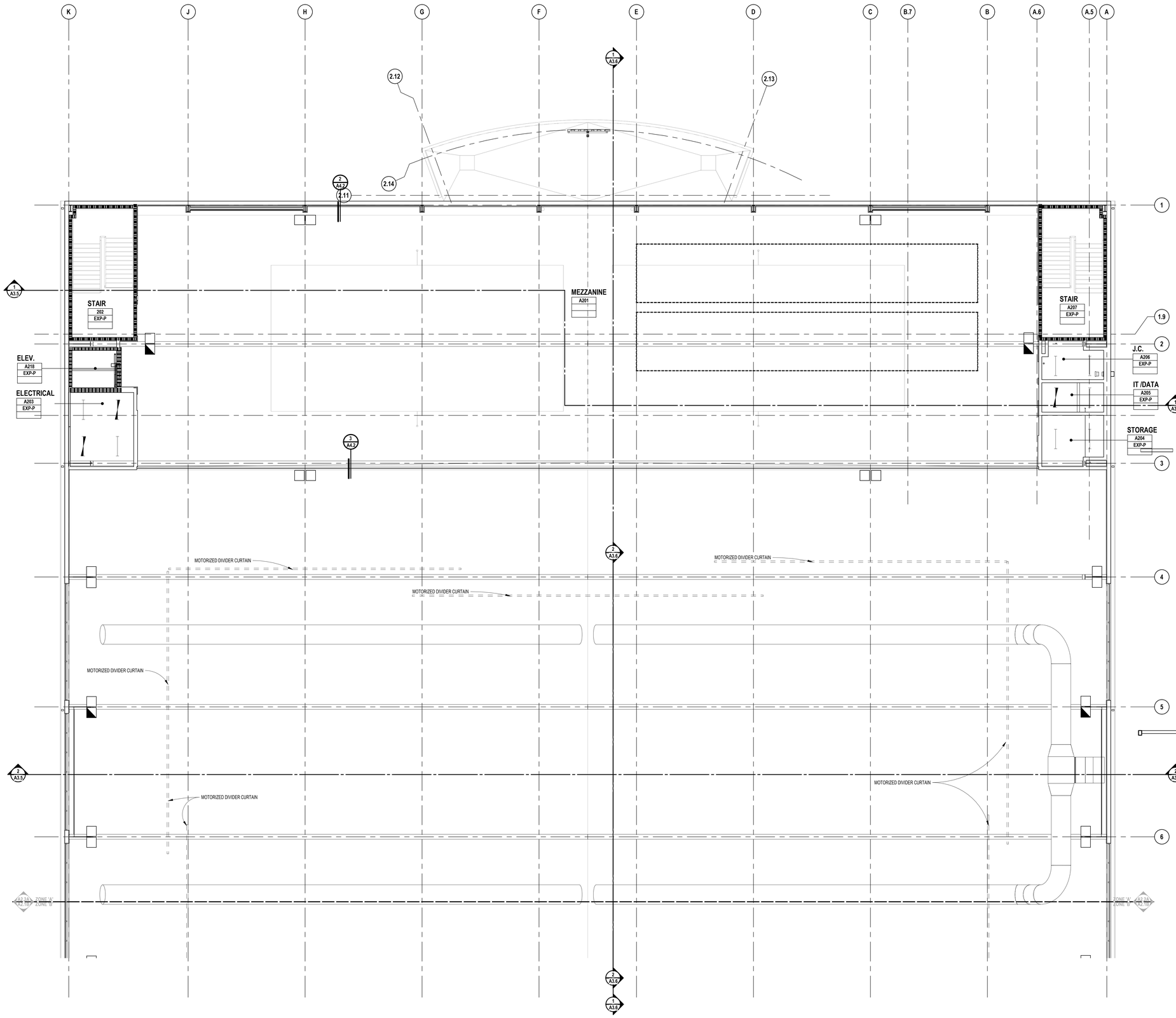
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02-12-2026	OWNER REVIEW
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12-16-2025	BID PACKAGE NO. 1 - PEMB
10-17-2025	SCHEMATIC DESIGN

DRAWN	JM
CHECKED	MS
APPROVED	DL

PROJECT NO.
25026E

DRAWING NO.
A2.1A

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FIXTURE LEGEND

- RECESSED L.E.D. TROFFER (2'x4' / 1'x4')
- L.E.D. INDUSTRIAL FIXTURE
- SURFACE MOUNTED LINEAR L.E.D. FIXTURE
- PENDANT MOUNTED LINEAR L.E.D. FIXTURE
- RECESSED DOWNLIGHT
- EXIT SIGN
- SPEAKER

FIRE / LIFE SAFETY FIXTURES: SEE ELECTRICAL, FIRE PROTECTION, PLUMBING, AND TECHNOLOGY DRAWINGS & SPECIFICATIONS

MECHANICAL EQUIPMENT / FIXTURES - SEE MECHANICAL DRAWINGS & SPECIFICATIONS

- SUPPLY DIFFUSER
- RETURN-AIR / EXHAUST GRILLE

CEILING KEY

- GYPSUM BOARD (PAINTED) OR INTERIOR / EXTERIOR FINISH SYSTEM CEILING / SOFFIT
- 24" x 24" SUSPENDED LAY-IN ACOUSTICAL CEILING
- EXPOSED (PAINTED U.O.N.)
- METAL PANEL

CEILING LEGEND

ROOM/CEILING TAGS
ROOM NAME AND NUMBER PLUS GENERAL CEILING FINISH AND HEIGHT UNLESS OTHERWISE NOTED CEILING FINISH TAGS.

CEILING FINISH TAG
SPECIFIC FINISH / HEIGHT WHERE VARYING FROM GENERAL ROOM / CEILING TAGS.

CLASSROOM ← ROOM NAME
101 ← ROOM NUMBER
ACT ← CEILING FINISH ABBREVIATION (SEE BELOW) → ACT
9'-0" ← CEILING HEIGHT (AFF) → 9'-10"

CEILING FINISH ABBREVIATIONS

ACT	ACOUSTICAL LAY-IN CEILING TILE
EXP-P	EXPOSED - PAINTED
EXP-UF	EXPOSED - UNFINISHED
FB	FABRIC BANNERS
GYP-P	GYPSUM BOARD - PAINTED
MP	METAL PANELS

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- 2-HOUR FIRE RATED HORIZONTAL EXIT
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- SMOKE BARRIER (NON-RATED) UNENCLOSED FLOOR OPENINGS
- 1-HOUR FIRE BARRIER FOR UNENCLOSED FLOOR OPENINGS
- 1-HOUR FIRE RATED EXT/ELEVATOR SHAFT ENCLOSURE
- 1-HOUR FIRE BARRIER ENCLOSED VERTICAL SHAFTS
- 1-HOUR FIRE BARRIER FOR PROTECTION FROM HAZARDS
- SMOKE RESISTING PARTITION
- NON RATED WALLS TO STRUCTURE ABOVE

GENERAL NOTES

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10. CENTER SPRINKLER HEADS AT THE CENTER OF CEILING PANEL UNLESS SHOWN OTHERWISE. (REVIEW NOTE NO. 10 W/ GREG SMITH)

N

Second Level Reflected Ceiling Plan - Zone 'A'

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

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REGISTRATION SEAL

CONSULTANT

PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MICHIGAN

DRAWING TITLE

Second Level Reflected Ceiling Plan - Zone 'A'

A
B

ISSUE DATES

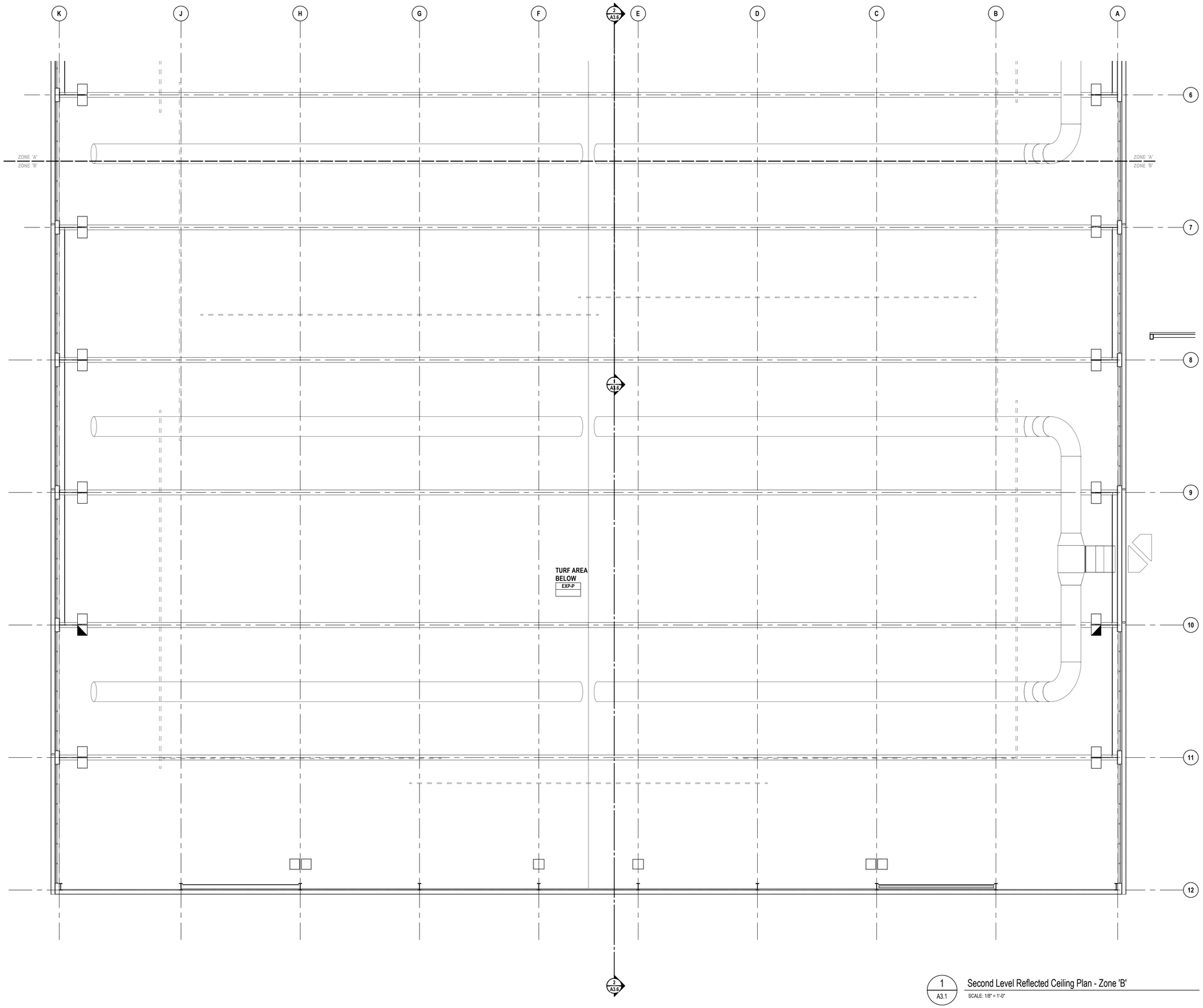
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10-17-2025	SCHEMATIC DESIGN

DRAWN	JM
CHECKED	MS
APPROVED	DL

PROJECT NO.
25026E

DRAWING NO.
A2.2A

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1 A3.1 — Second Level Reflected Ceiling Plan - Zone 'B'

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

FIXTURE LEGEND

- RECESSED L.E.D. TROFFER (2'x4' / 1'x4')
- L.E.D. INDUSTRIAL FIXTURE
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CEILING LEGEND

ROOM/CEILING TAGS

ROOM NAME AND NUMBER PLUS GENERAL CEILING FINISH AND HEIGHT UNLESS OTHERWISE NOTED CEILING FINISH TAGS.

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ACT	ACOUSTICAL LAY-IN CEILING TILE
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- 1-HOUR FIRE BARRIER FOR PROTECTION FROM HAZARDS
- SMOKE RESISTING PARTITION
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GENERAL NOTES

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9. SEE LIFE SAFETY PLANS FOR DAMPERING REQUIREMENTS.
10. CENTER SPRINKLER HEADS AT THE CENTER OF CEILING PANEL UNLESS SHOWN OTHERWISE. (REVIEW NOTE NO. 10 W/ GREG SMITH)

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registration seal

consultant

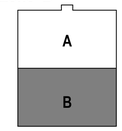
PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER,

DRAWING TITLE

Second Level Reflected Ceiling Plan - Zone 'B'



KEY PLAN

issue dates

date:	issued for:
02-26-2026	D.R. - 2 CONSTRUCTION DOCUMENTS
02-12-2026	OWNER REVIEW
12-19-2025	DESIGN DEVELOPEMENT
12-16-2025	BID PACKAGE NO. 1 - PEMB
10-17-2025	SCHEMATIC DESIGN

drawn	JM
checked	MS
approved	DL

project no.

25026E

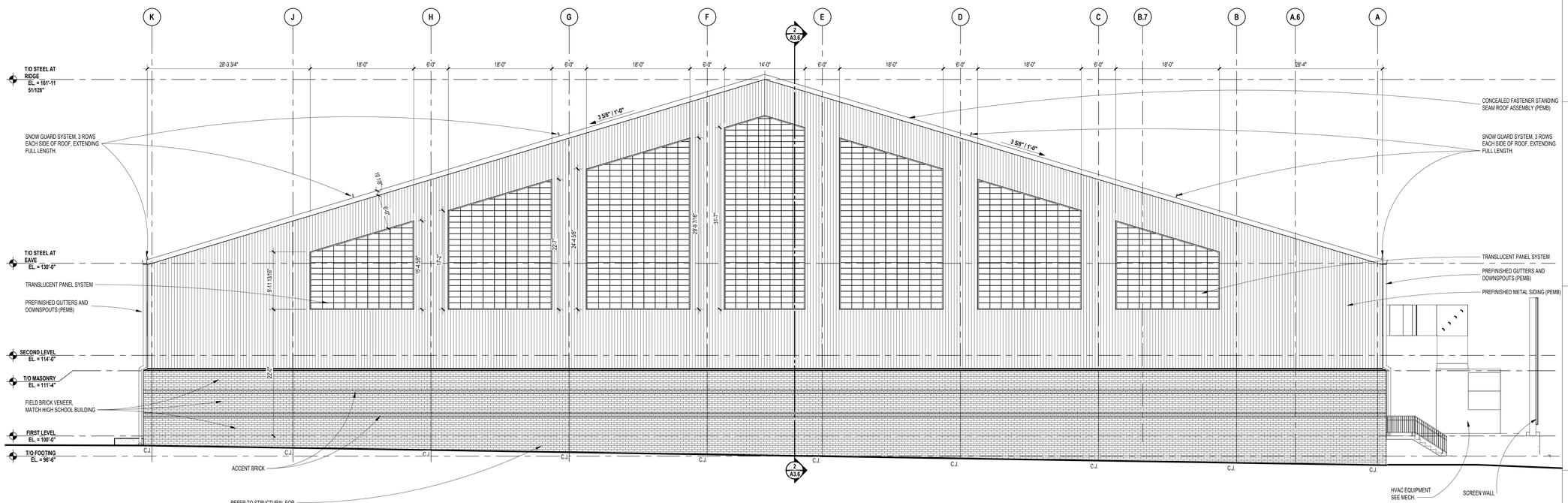
drawing no.

A2.2B

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GLAZING TYPES

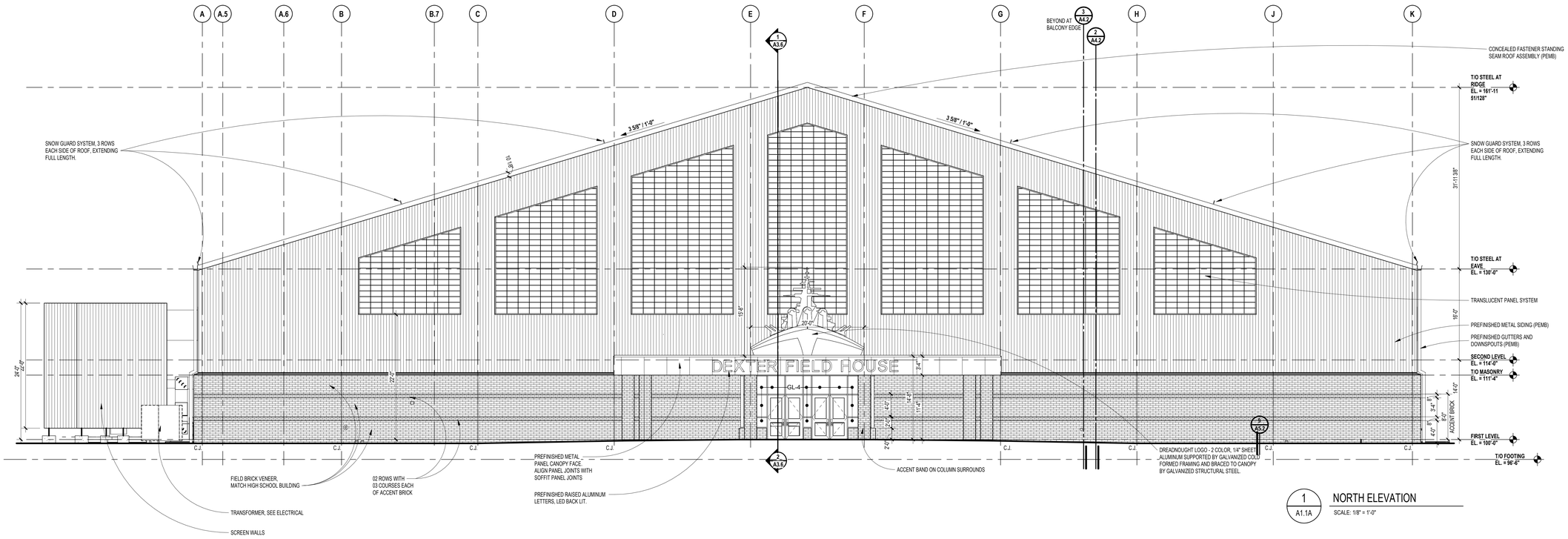
GL-1	5/16" (8mm) HEAT-STRENGTHENED LAMINATED GLASS
GL-2	1/4" (6mm) CLEAR TEMPERED MONOLITHIC GLASS
GL-3	1" (25mm) CLEAR TEMPERED INSULATED MONOLITHIC GLASS (LOW-E)
GL-4	1" (25mm) CLEAR HEAT-STRENGTHENED LAMINATED INSULATED GLASS (LOW-E)
FRGL-1	5/16" (8mm) FIRE PROTECTIVE GLAZING (60 MIN)



2 / A3.6 SOUTH ELEVATION

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

NOTE: FIRST LEVEL FINISH FLOOR = 887.50 = 100'-0"



1 / A1.1A NORTH ELEVATION

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

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REGISTRATION SEAL

CONSULTANT

PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MICHIGAN

DRAWING TITLE

Exterior Elevations

ISSUE DATES

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DRAWN	JM
CHECKED	MS
APPROVED	DL

PROJECT NO.

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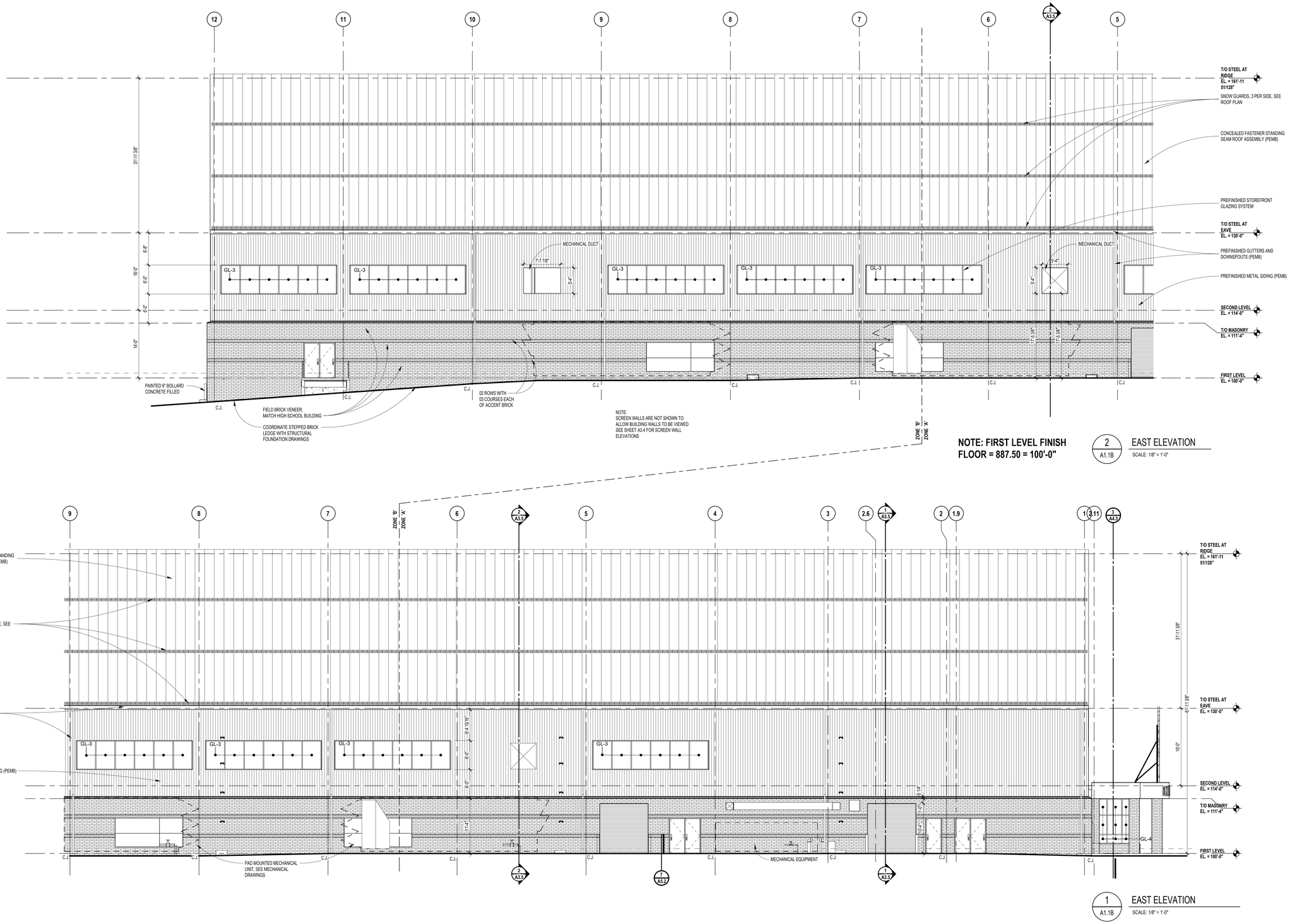
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A3.1

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GLAZING TYPES

GL-1	5/16" (8mm) HEAT-STRENGTHENED LAMINATED GLASS
GL-2	1/4" (6mm) CLEAR TEMPERED MONOLITHIC GLASS
GL-3	1" (25mm) CLEAR TEMPERED INSULATED MONOLITHIC GLASS (LOW-E)
GL-4	1" (25mm) CLEAR HEAT-STRENGTHENED LAMINATED INSULATED GLASS (LOW-E)
FRGL-1	5/16" (8mm) FIRE PROTECTIVE GLAZING (60 MIN)



NOTE: FIRST LEVEL FINISH FLOOR = 887.50 = 100'-0"

2 / A1.1B — EAST ELEVATION
SCALE: 1/8" = 1'-0"

1 / A1.1B — EAST ELEVATION
SCALE: 1/8" = 1'-0"

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REGISTRATION SEAL

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DEXTER COMMUNITY SCHOOLS
DEXTER, MICHIGAN

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Exterior Elevations

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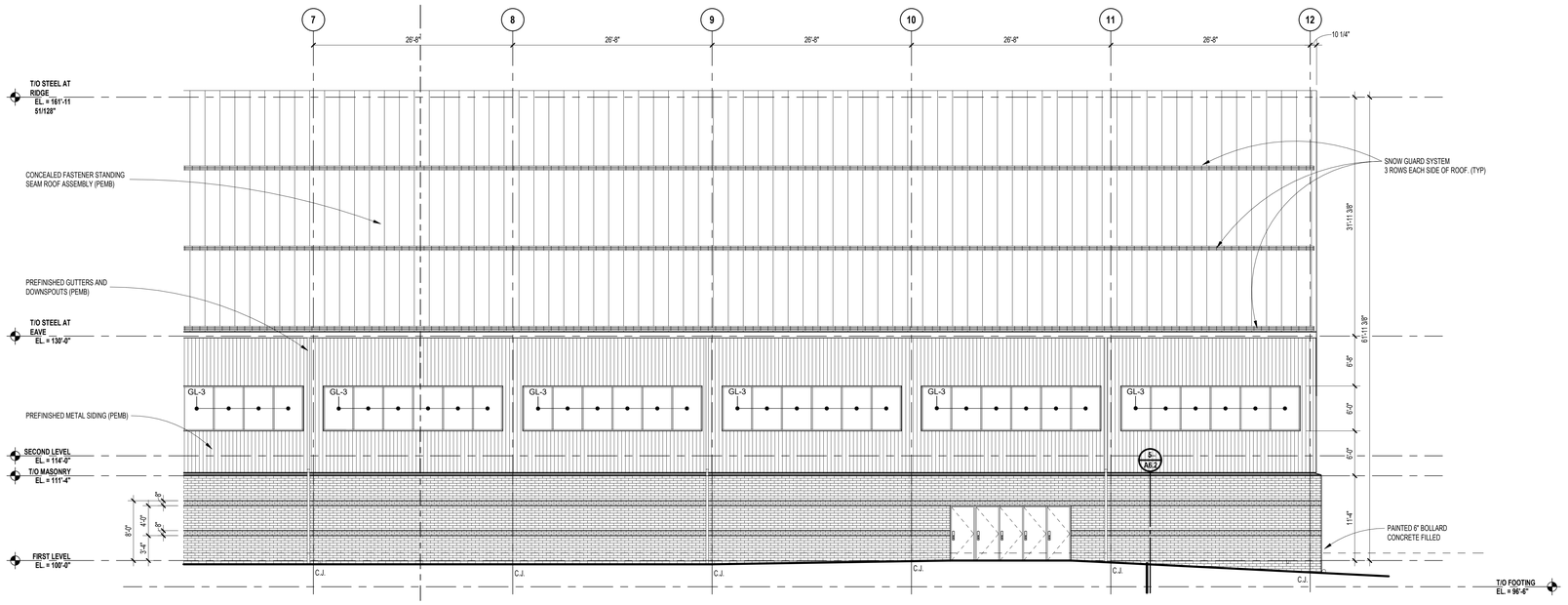
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GLAZING TYPES

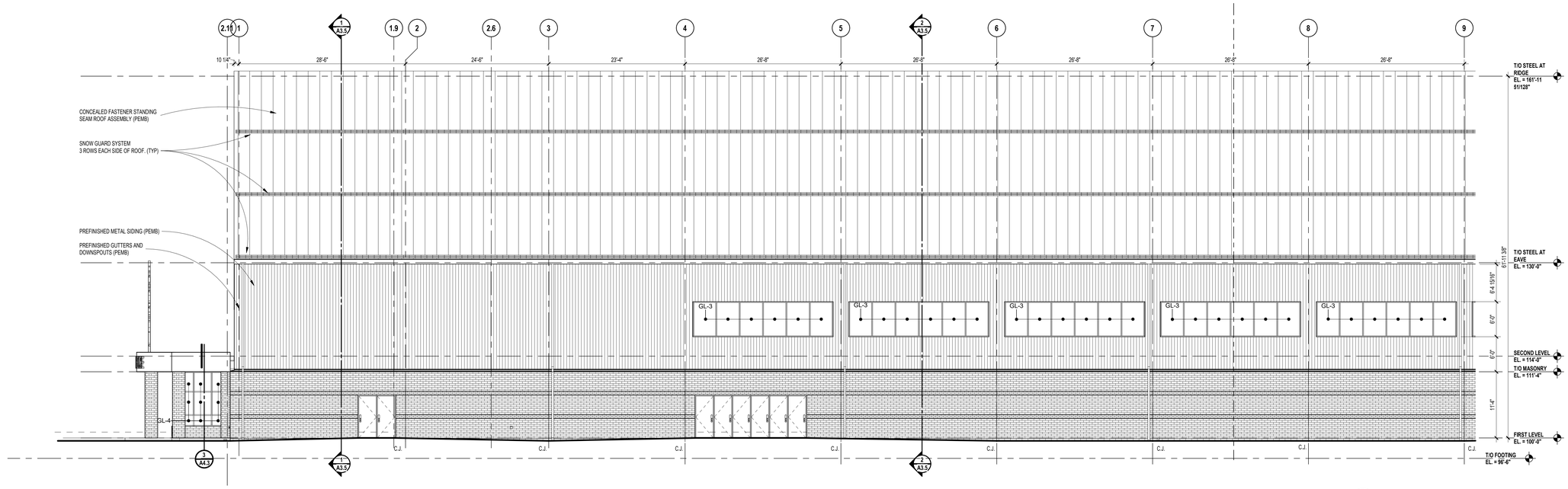
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2 A1.1A WEST ELEVATION

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

NOTE: FIRST LEVEL FINISH FLOOR = 887.50 = 100'-0"



1 A1.1A WEST ELEVATION

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

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PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MICHIGAN

DRAWING TITLE

Exterior Elevations

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CHECKED	MS
APPROVED	DL

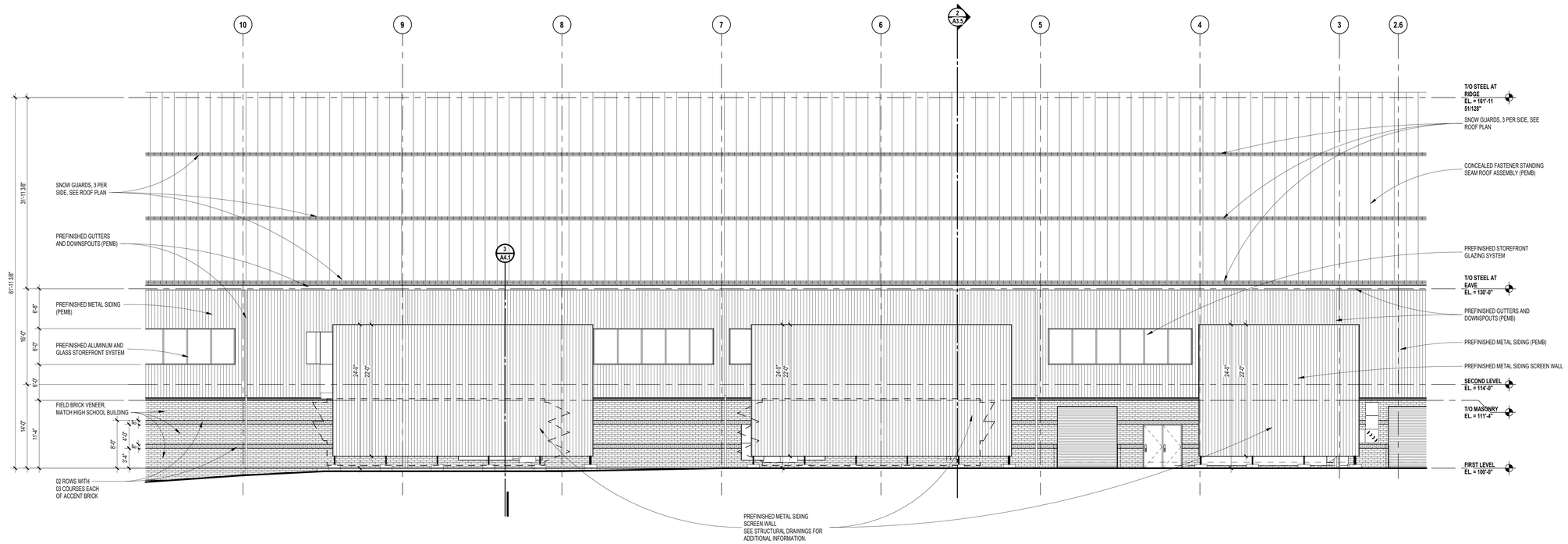
PROJECT NO.

25026E

DRAWING NO.

A3.3

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1 AC.3 PARTIAL EAST ELEVATION - SCREEN WALLS

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

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REGISTRATION SEAL

CONSULTANT

PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MICHIGAN

DRAWING TITLE

Exterior Elevations

ISSUE DATES

DATE:	ISSUED FOR:
02-26-2026	D.R. - 2 CONSTRUCTION DOCUMENTS
02-12-2026	OWNER REVIEW

DRAWN	JM
CHECKED	SM
APPROVED	DL

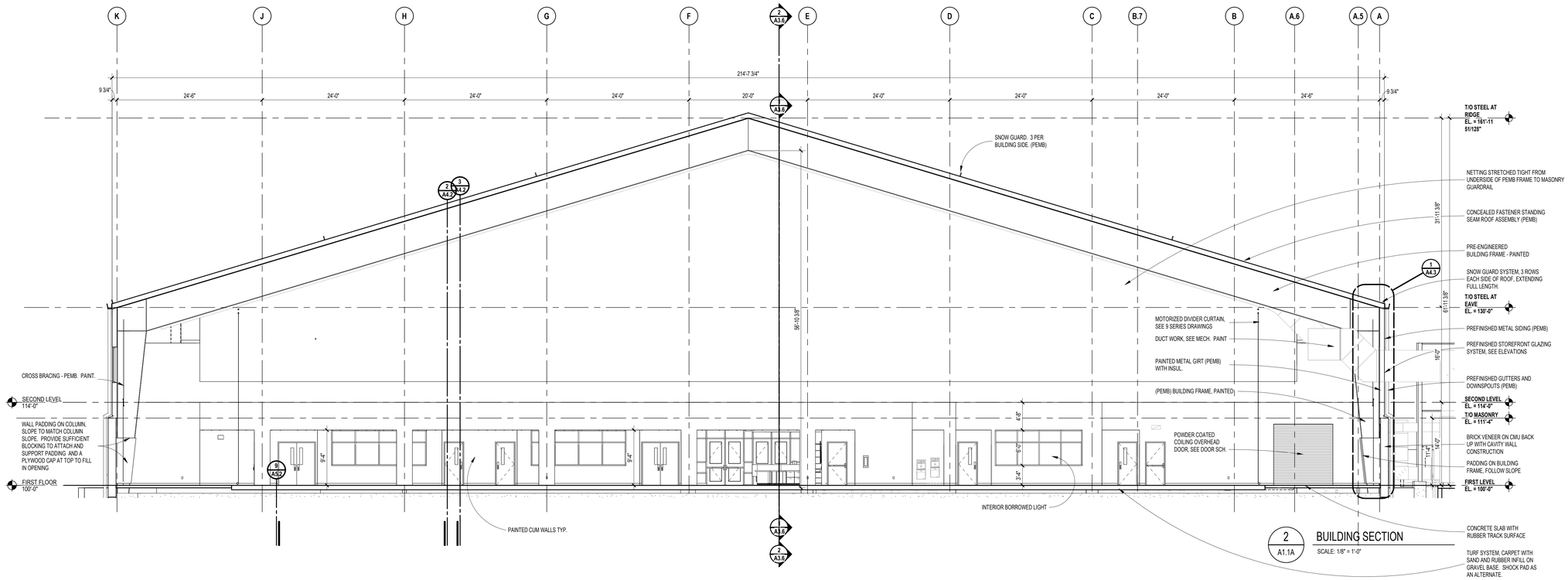
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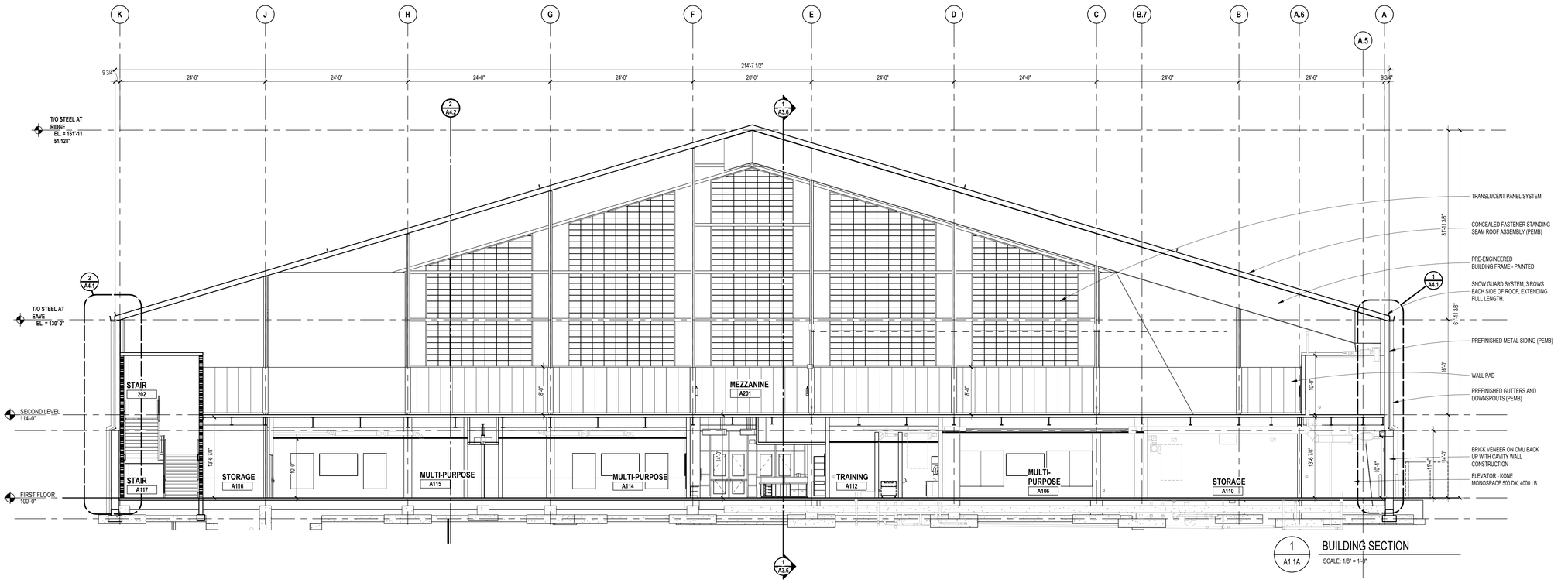
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A3.4

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2 A1.1A BUILDING SECTION
SCALE: 1/8" = 1'-0"



1 A1.1A BUILDING SECTION
SCALE: 1/8" = 1'-0"

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CONSULTANT

PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MICHIGAN

DRAWING TITLE

Building Sections

ISSUE DATES

DATE:	ISSUED FOR:
02-26-2026	D.R. - 2 CONSTRUCTION DOCUMENTS
02-12-2026	OWNER REVIEW
12-19-2025	DESIGN DEVELOPEMENT
12-16-2025	BID PACKAGE NO. 1 - PEMB
10-17-2025	SCHEMATIC DESIGN

DRAWN	JM
CHECKED	MS
APPROVED	DL

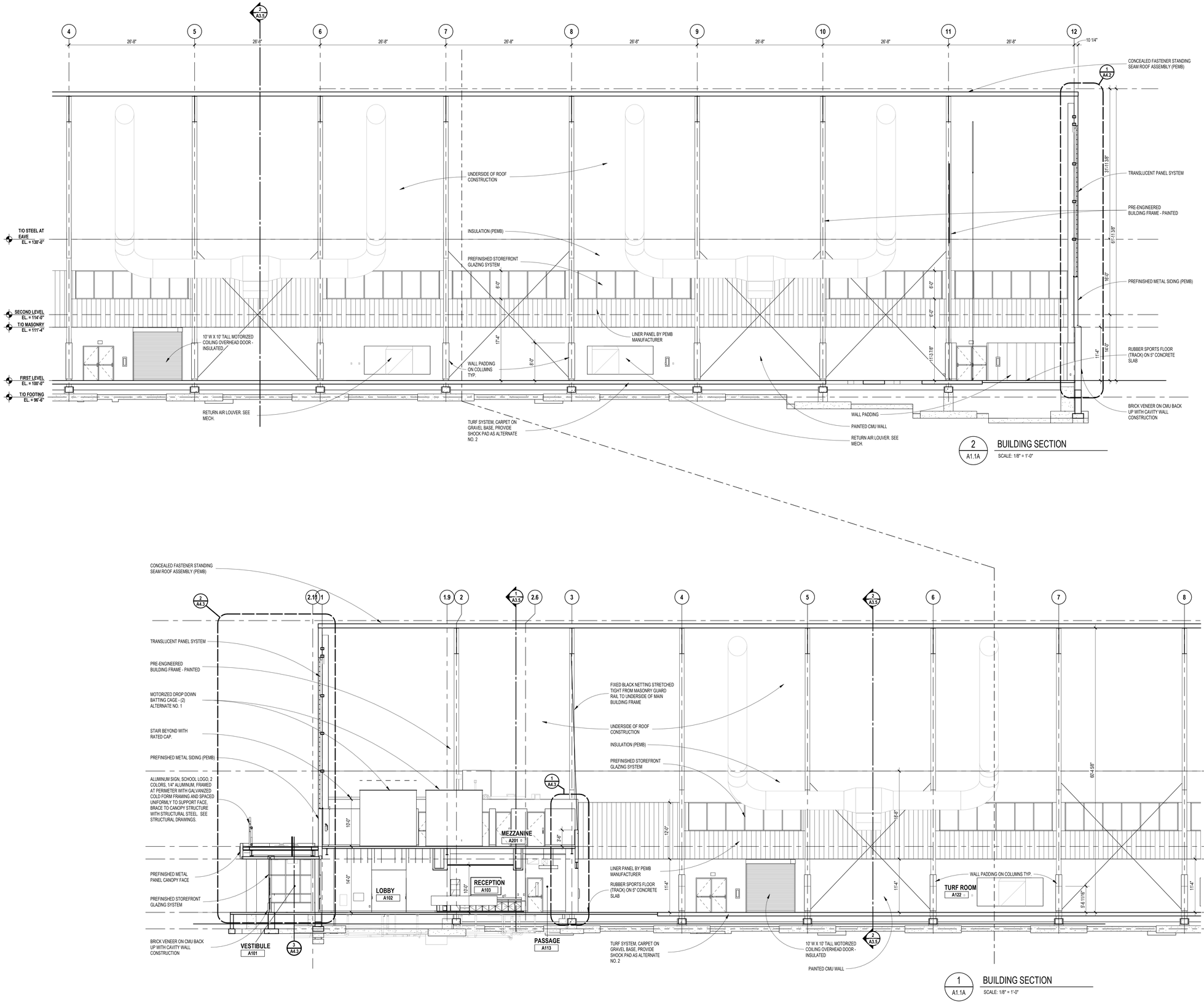
PROJECT NO.

25026E

DRAWING NO.

A3.5

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PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MICHIGAN

DRAWING TITLE

Building Sections

ISSUE DATES

02-26-2026	D.R. - 2 CONSTRUCTION DOCUMENTS
02-12-2026	OWNER REVIEW
12-19-2025	DESIGN DEVELOPEMENT
12-16-2025	BID PACKAGE NO. 1 - PEMB
10-17-2025	SCHEMATIC DESIGN
DATE:	ISSUED FOR:

DRAWN	JM
CHECKED	MS
APPROVED	DL

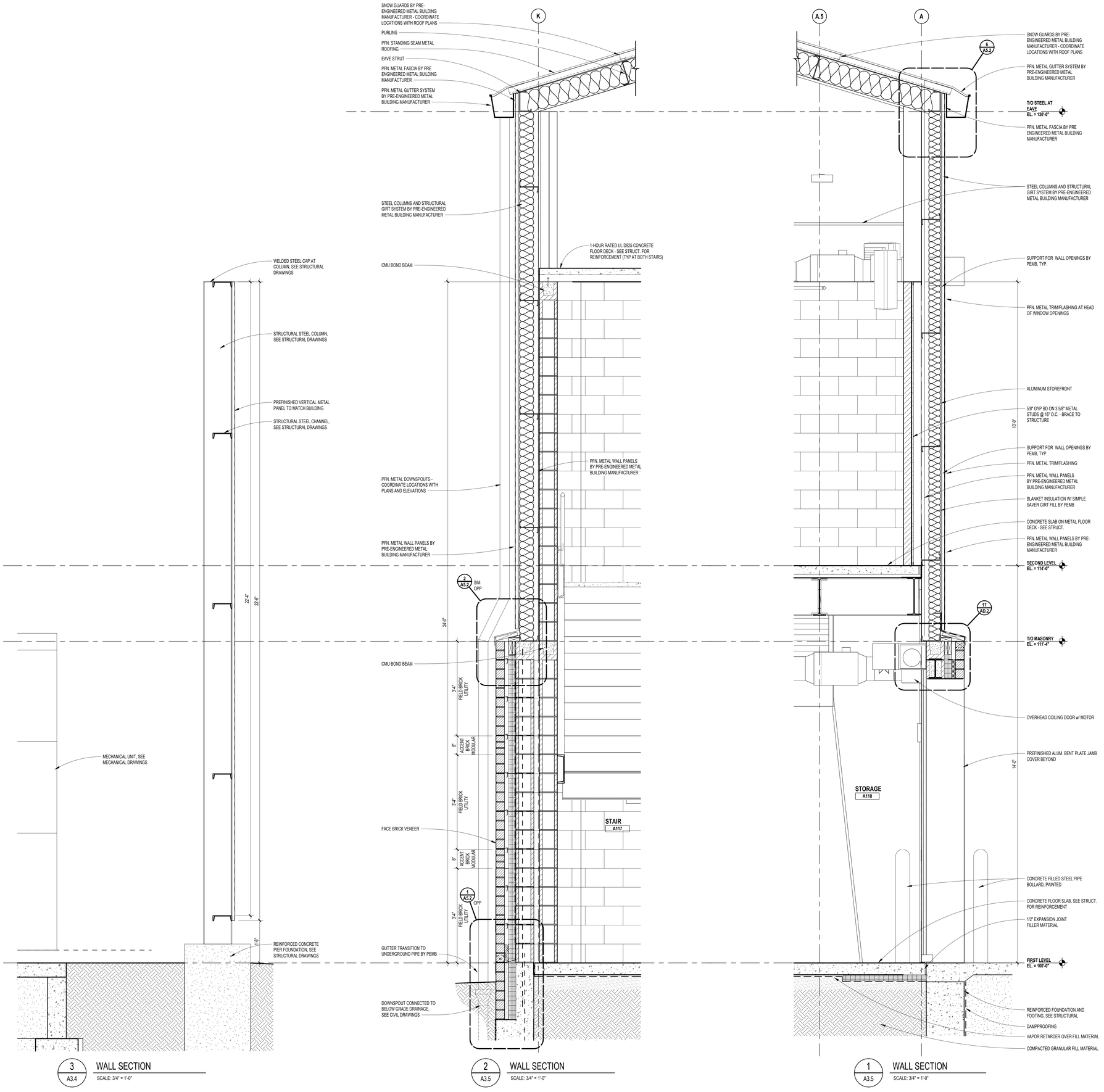
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25026E

DRAWING NO.

A3.6

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PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MICHIGAN

DRAWING TITLE

Wall Sections

ISSUE DATES

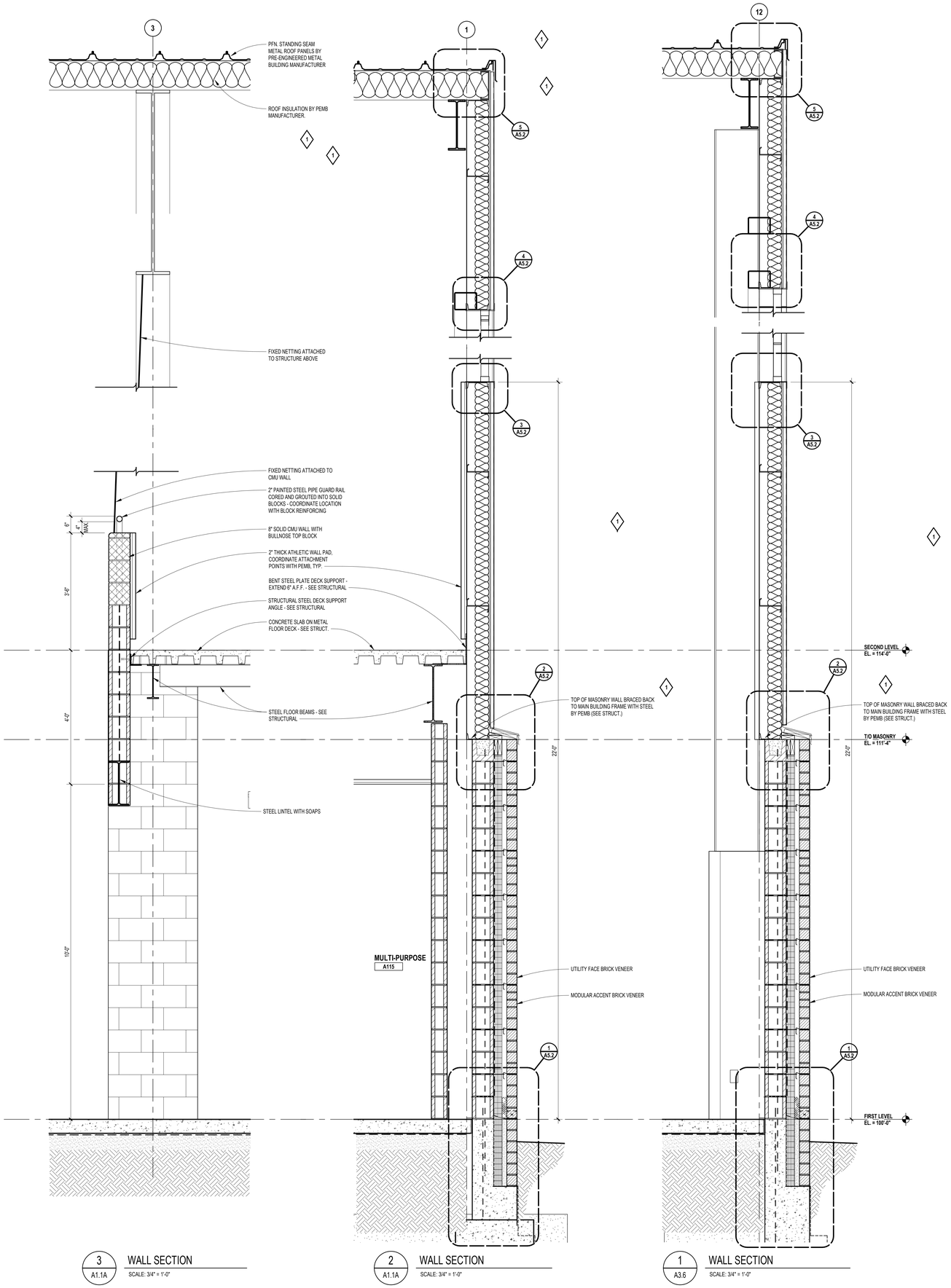
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02-26-2026	D.R. - 2 CONSTRUCTION DOCUMENTS
12-19-2025	DESIGN DEVELOPEMENT
12-16-2025	BID PACKAGE NO. 1 - PEMB
10-17-2025	SCHEMATIC DESIGN

DRAWN	BP
CHECKED	MS
APPROVED	DL

PROJECT NO.
25026E

DRAWING NO.
A4.1

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REGISTRATION SEAL

CONSULTANT

PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MICHIGAN

DRAWING TITLE

Wall Sections

ISSUE DATES

02-26-2026	D.R. - 2 CONSTRUCTION DOCUMENTS
02-12-2026	OWNER REVIEW
01-16-2026	ADDENDUM NO. 1 - BP NO. 1
12-19-2025	DESIGN DEVELOPEMENT
12-16-2025	BID PACKAGE NO. 1 - PEMB
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DRAWN	BP
CHECKED	MS
APPROVED	DL

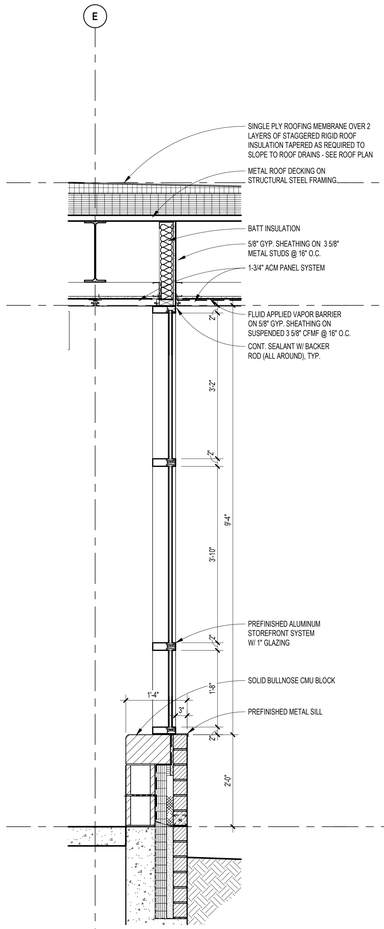
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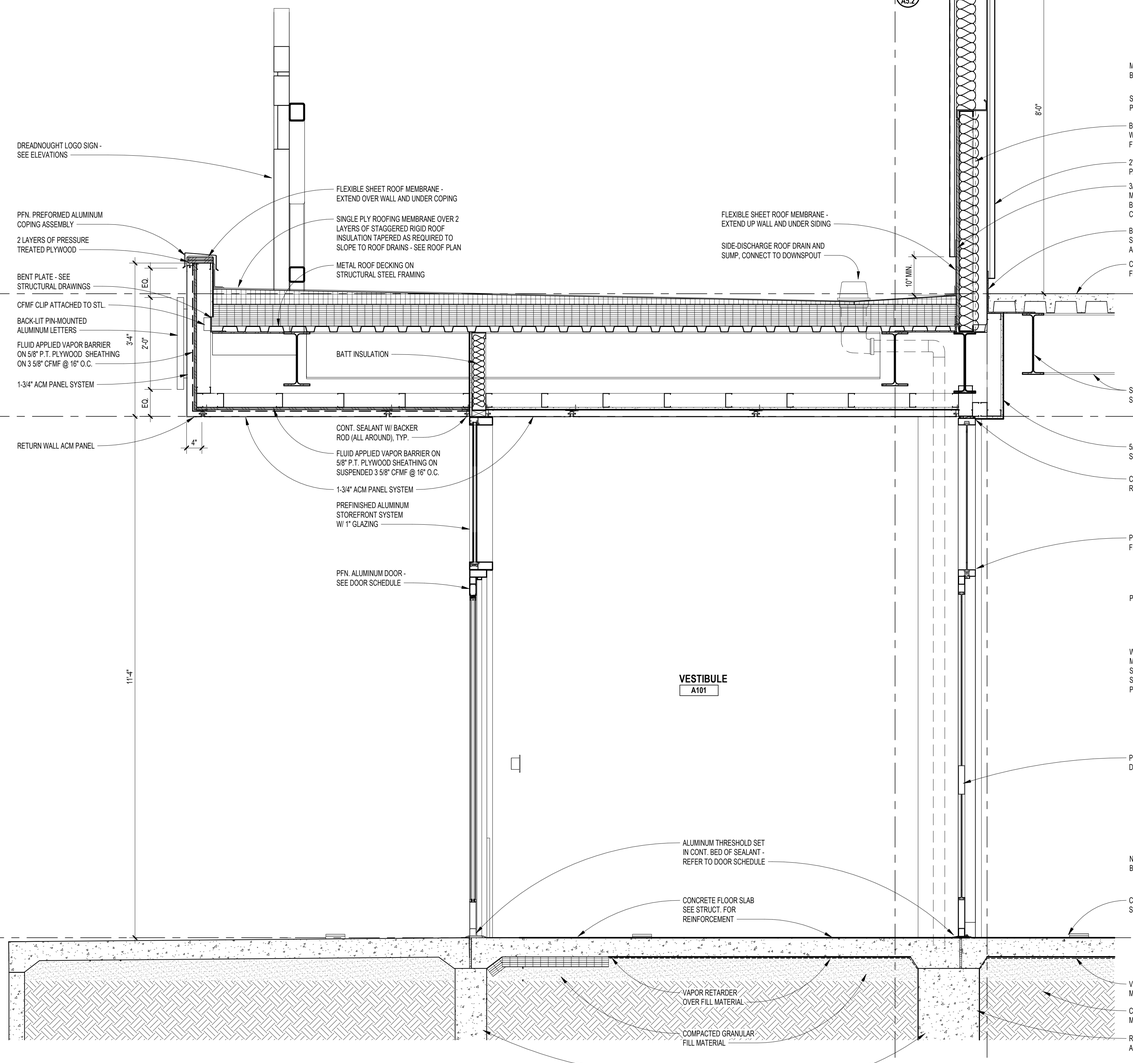
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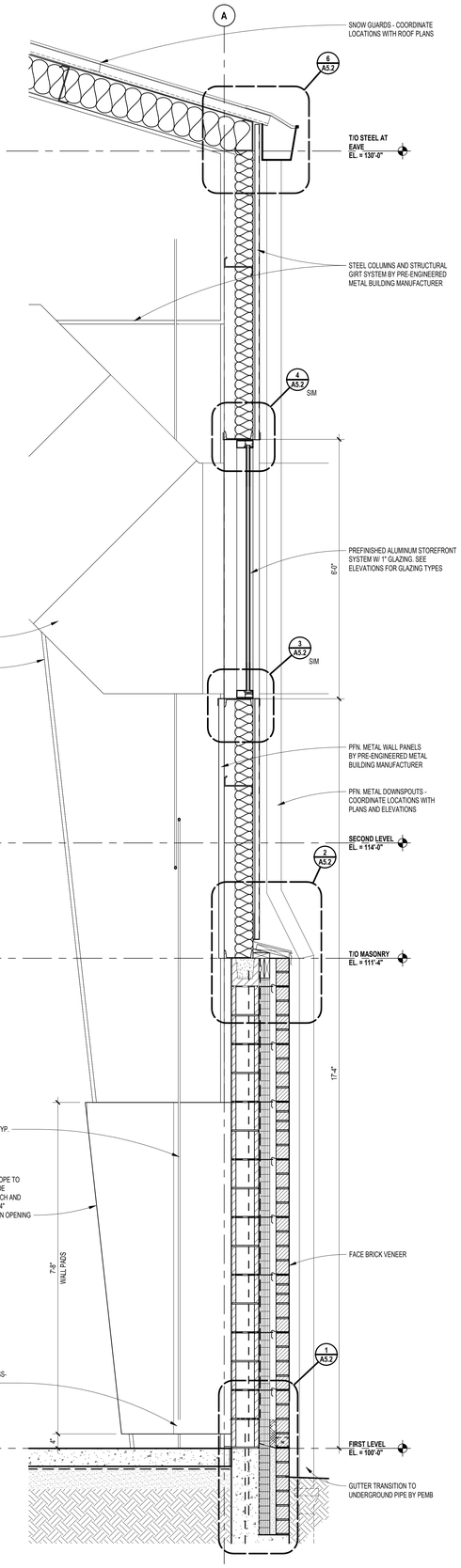
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3 A3.2 WALL SECTION
SCALE: 3/4" = 1'-0"

2 A3.6 SECTION THRU FRONT ENTRY
SCALE: 3/4" = 1'-0"

1 A3.5 WALL SECTION E/W HIGH BAY
SCALE: 3/4" = 1'-0"

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PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MICHIGAN

DRAWING TITLE

Wall Sections

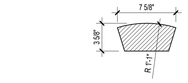
ISSUE DATES

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12-19-2025	DESIGN DEVELOPEMENT
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10-17-2025	SCHEMATIC DESIGN
DATE:	ISSUED FOR:
DRAWN	BP
CHECKED	MS
APPROVED	DL

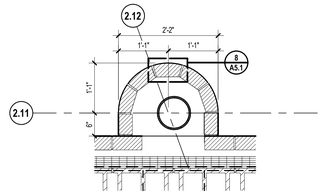
PROJECT NO.
25026E

DRAWING NO.
A4.3

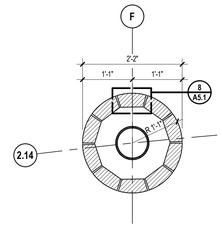
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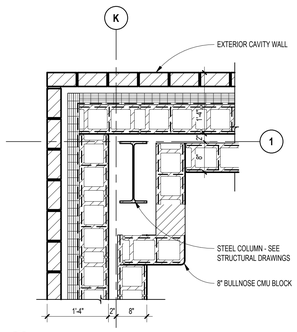
8 A5.1 SPECIAL BRICK SHAPE
SCALE: 1 1/2" = 1'-0"



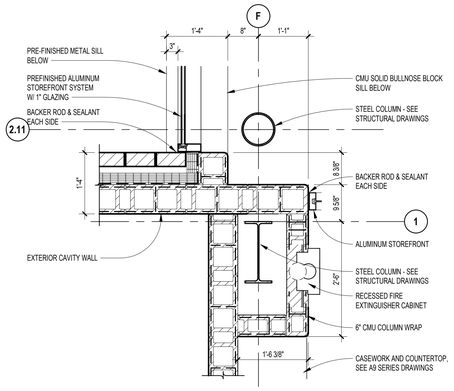
7 A1.1A TYPICAL COLUMN PIER
SCALE: 3/4" = 1'-0"



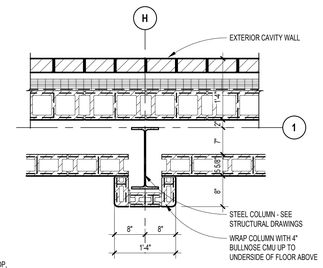
6 A1.1A TYPICAL ROUND COLUMN WRAP
SCALE: 3/4" = 1'-0"



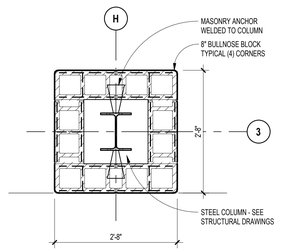
5 A1.1A PLAN DETAIL - CORNER OF STAIR
SCALE: 3/4" = 1'-0"



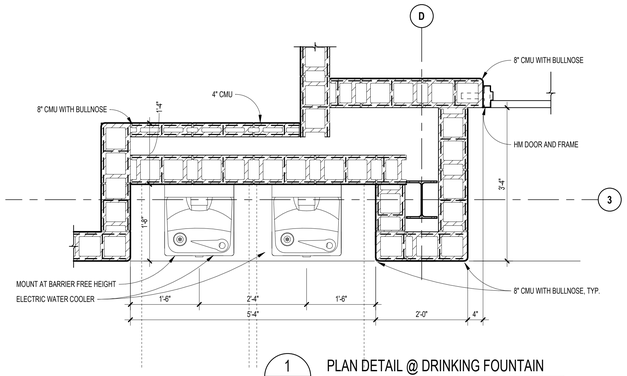
4 A1.1A PLAN DETAIL - VESTIBULE
SCALE: 3/4" = 1'-0"



3 A1.1A COLUMN WRAP ZONE 'A' EXTERIOR WALL
SCALE: 3/4" = 1'-0"



2 A1.1A TYPICAL COLUMN WRAP
SCALE: 3/4" = 1'-0"



1 A1.1A PLAN DETAIL @ DRINKING FOUNTAIN
SCALE: 3/4" = 1'-0"

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REGISTRATION SEAL

CONSULTANT

PROJECT TITLE
NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MICHIGAN

DRAWING TITLE
Plan Details

ISSUE DATES

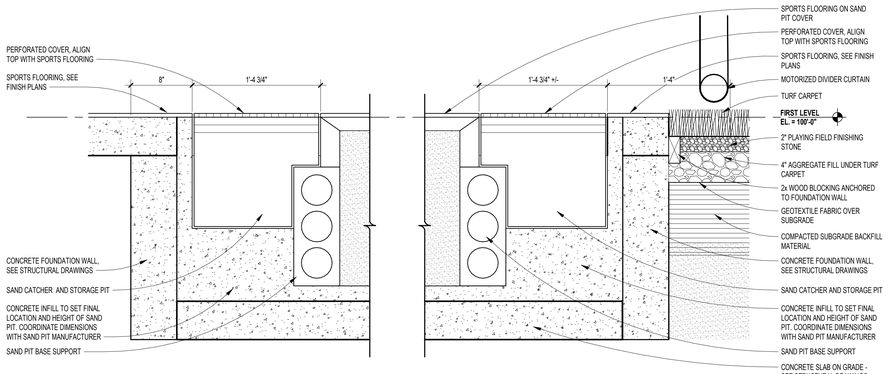
DATE:	ISSUED FOR:
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02-12-2026	OWNER REVIEW
12-19-2025	DESIGN DEVELOPEMENT
10-17-2025	SCHEMATIC DESIGN

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CHECKED	MS
APPROVED	DL

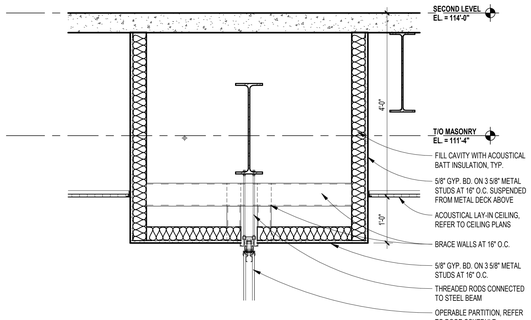
PROJECT NO.
25026E

DRAWING NO.
A5.1

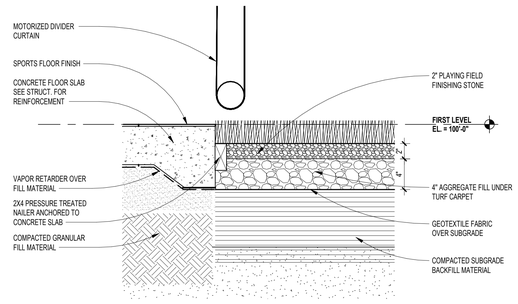
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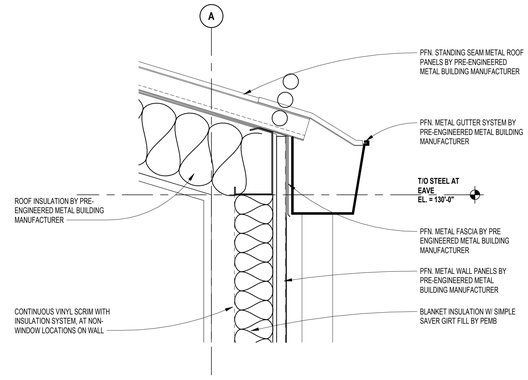
9 / A1.1A — SAND PIT SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



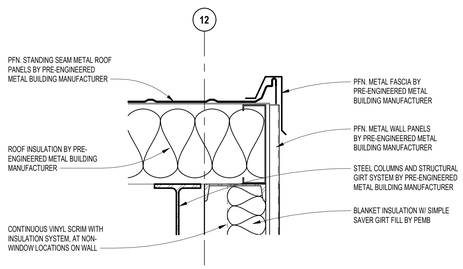
8 / A1.1A — PARTITION WALL SECTION
SCALE: 3/4" = 1'-0"



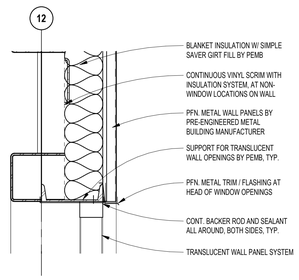
7 / A1.1A — TURF TO CONCRETE DETAIL
SCALE: 1 1/2" = 1'-0"



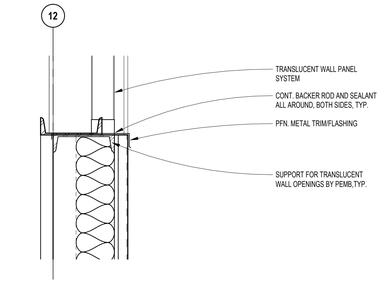
6 / A4.1 — SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



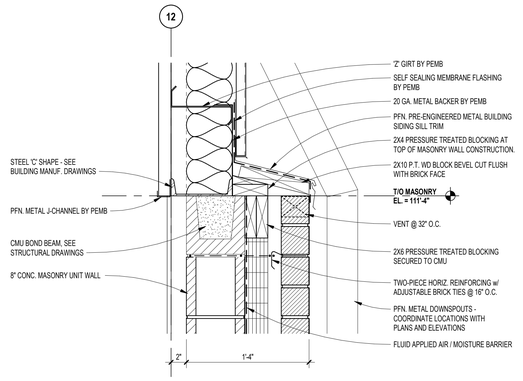
5 / A4.2 — SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



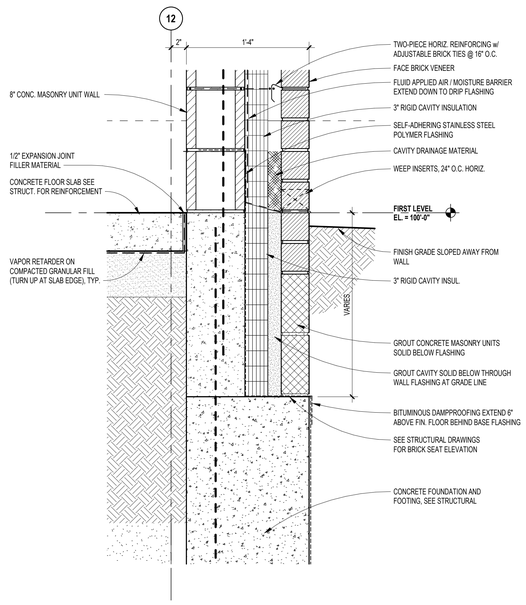
4 / A4.2 — SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



3 / A4.2 — SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



2 / A4.1 — SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



1 / A4.1 — SECTION DETAIL
SCALE: 1 1/2" = 1'-0"

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REGISTRATION SEAL

CONSULTANT

PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MICHIGAN

DRAWING TITLE

Section Details

ISSUE DATES

DATE:	ISSUED FOR:
02-26-2026	D.R. - 2 CONSTRUCTION DOCUMENTS
02-12-2026	OWNER REVIEW
12-19-2025	DESIGN DEVELOPEMENT
12-16-2025	BID PACKAGE NO. 1 - PEMB

DRAWN	BP
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APPROVED	DL

PROJECT NO.

25026E

DRAWING NO.

A5.2

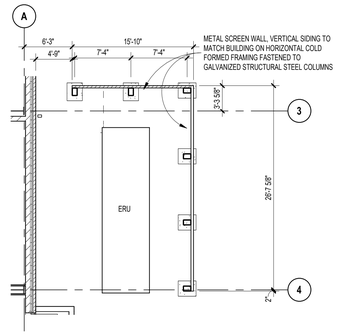
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ACCESSORIES LEGEND

1	SURFACE-MOUNTED , LIQUID SOAP DISPENSER (40 OZ. CAPACITY). (BOTTOM OF UNIT 4" ABOVE LAVATORY RIM OR COUNTER).
2	PAPER TOWEL DISPENSER
3	SURFACE-MOUNTED, DOUBLE ROLL, TOILET PAPER HOLDER
4	SURFACE-MOUNTED, SANITARY NAPKIN DISPOSAL UNIT
5	CHANNEL FRAME MIRROR (18" W x 36" H).
6	GRAB BAR (36" LONG).
7	GRAB BAR (42" LONG).
8	TWO WALL GRAB BAR (18" x 33" LONG).

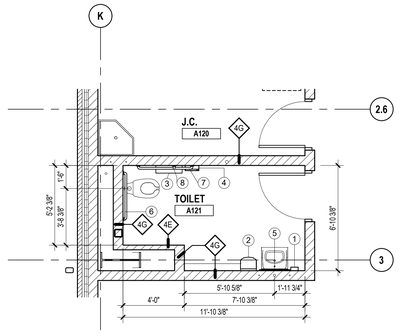
GENERAL NOTES

1. MOUNTING HEIGHTS AND POSITIONING SHALL BE AS INDICATED ON GENERAL INFORMATION SHEET (TG.1), U.O.N.



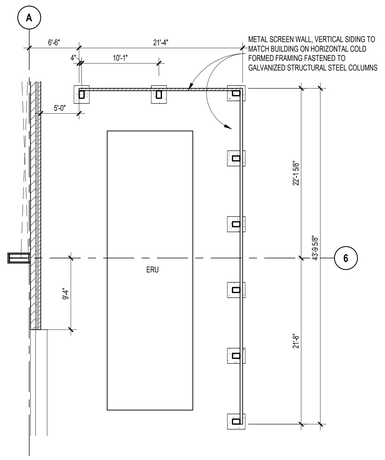
5 AC.1 — PARTIAL FLOOR PLAN - SCREEN WALL

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



2 A1.1A — ENLARGED TOILET ROOM PLAN

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

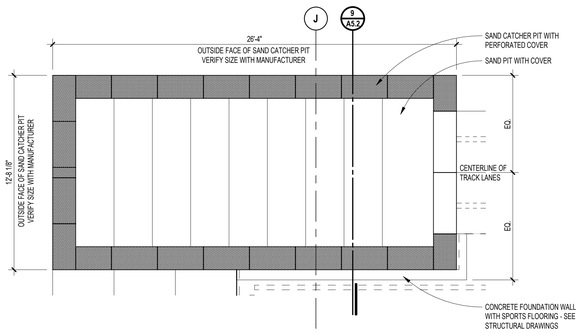


4 AC.1 — PARTIAL FLOOR PLAN -SCREEN WALL

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

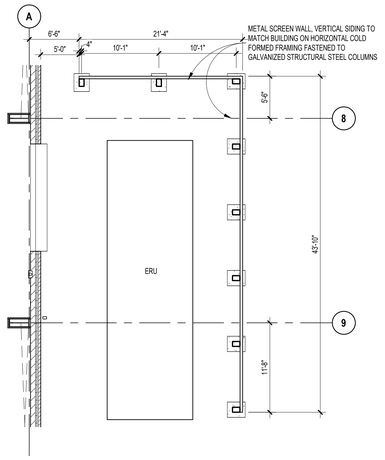
1 A1.1A — ENLARGED ENTRY/TOILET/TRAINING

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



6 A1.1A — ENLARGED SAND PIT FLOOR PLAN

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



3 AC.1 — PARTIAL FLOOR PLAN - SCREEN WALL

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

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REGISTRATION SEAL

CONSULTANT

PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MICHIGAN

DRAWING TITLE

Enlarged Floor Plans

A
B

ISSUE DATES

02-26-2026	D.R. - 2 CONSTRUCTION DOCUMENTS
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DRAWN	JM/BP
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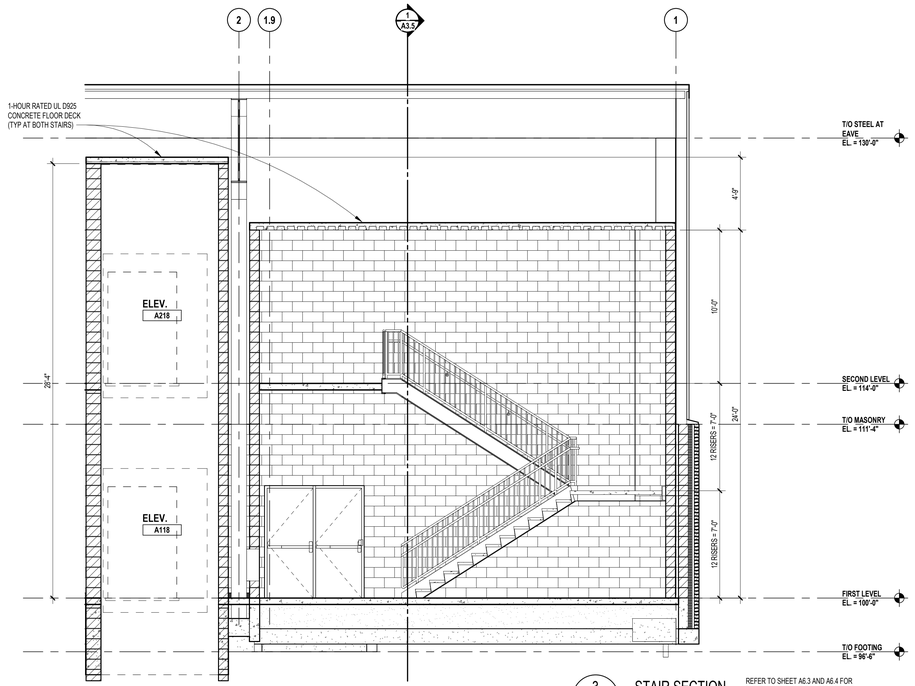
PROJECT NO.

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DRAWING NO.

A6.1

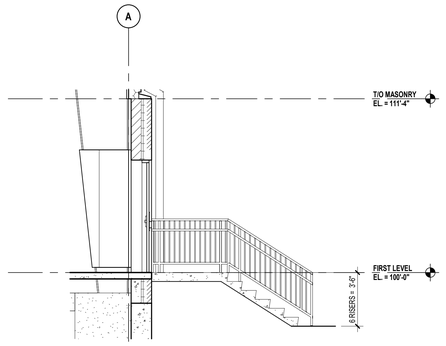
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3 A6.2 STAIR SECTION

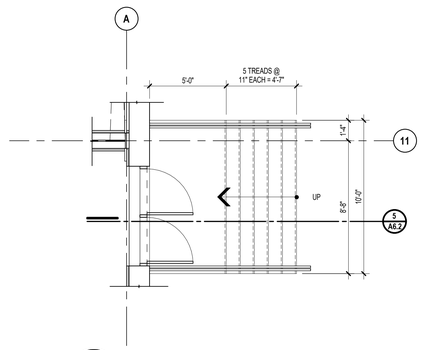
SCALE: 1/4" = 1'-0"

REFER TO SHEET A6.3 AND A6.4 FOR TYPICAL STAIR AND RAILING DETAILS



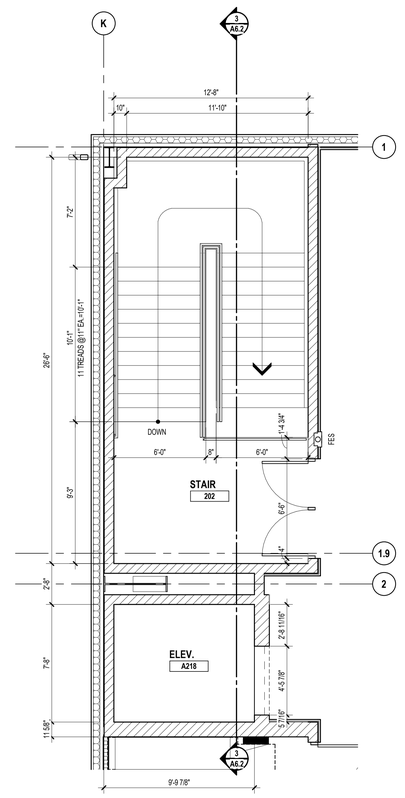
5 A3.3 EXTERIOR STAIR SECTION

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



4 AC.1 EXTERIOR STAIR FLOOR PLAN

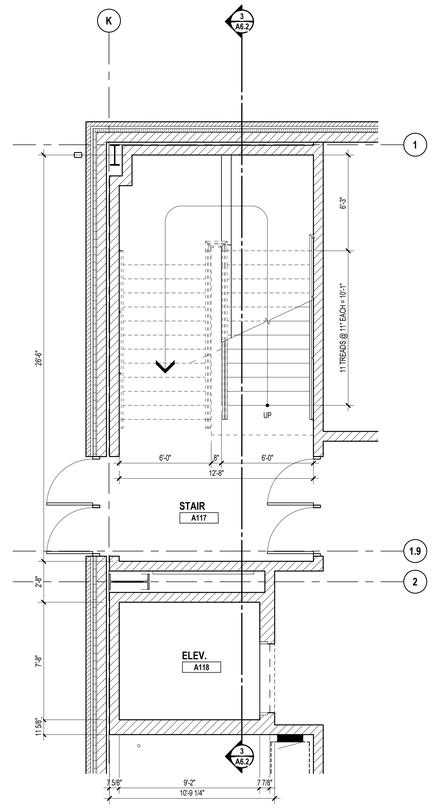
SCALE: 1/4" = 1'-0"



2 A1.2A ENLARGED STAIR AND ELEV PLAN (SECOND LEVEL)

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

REFER TO SHEET A6.3 AND A6.4 FOR TYPICAL STAIR AND RAILING DETAILS



1 A1.1A ENLARGED STAIR AND ELEV PLAN (FIRST LEVEL)

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

REFER TO SHEET A6.3 AND A6.4 FOR TYPICAL STAIR AND RAILING DETAILS

TMP ARCHITECTURE

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REGISTRATION SEAL

CONSULTANT

PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MICHIGAN

DRAWING TITLE

Enlarged Stair Plans and Sections

ISSUE DATES

DATE:	ISSUED FOR:
02-26-2026	D.R. - 2 CONSTRUCTION DOCUMENTS
02-12-2026	OWNER REVIEW
12-19-2025	DESIGN DEVELOPEMENT
12-16-2025	BID PACKAGE NO. 1 - PEMB
10-17-2025	SCHEMATIC DESIGN

DRAWN	JM
CHECKED	MS
APPROVED	DL

PROJECT NO.

25026E

DRAWING NO.

A6.2

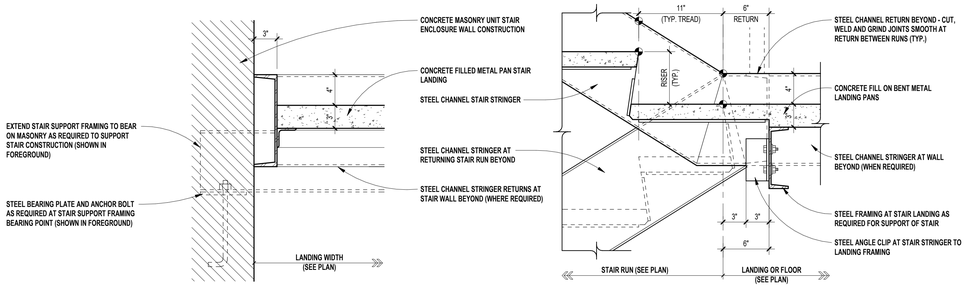
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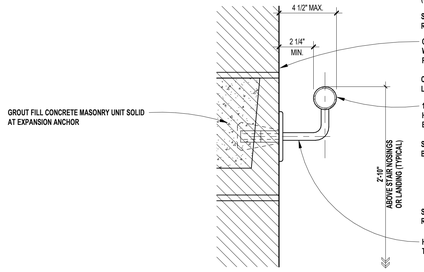
GENERAL STAIR CONSTRUCTION NOTES & REQUIREMENTS

1. STAIR FABRICATOR/CONTRACTOR/MANUFACTURER IS RESPONSIBLE TO STRUCTURALLY DESIGN ALL STAIRS BASED UPON APPLICABLE CODES FOR EACH STAIR CONFIGURATION. STAIR SHOP DRAWINGS MUST BE PRODUCED AND STAMPED BY A REGISTERED STRUCTURAL ENGINEER AND SUBMITTED TO ARCHITECT AS SPECIFIED.
2. SIZE OF STRINGERS, SIZES OF GUARDRAIL AND HANDRAIL COMPONENTS, AND SPACING OF VERTICAL POSTS AND BALUSTERS SHOWN ON THE DRAWINGS ARE AESTHETIC MINIMUMS. THE STAIR FABRICATOR SHALL AUGMENT THE DESIGN OF THE STAIR COMPONENTS AS REQUIRED TO MEET THE PERFORMANCE REQUIREMENTS SPECIFIED IN SECTION 05500 OF THE PROJECT SPECIFICATIONS.
3. LANDING SUPORT MEMBERS WHEN PART OF THE STAIR CONSTRUCTION SHALL BE DESIGNED AND SIZED BY THE STAIR FABRICATOR'S STRUCTURAL ENGINEER. LANDING SUPPORT MEMBERS WHEN PART OF THE BUILDING FRAMING WILL BE DESIGNED BY THE ARCHITECT'S STRUCTURAL ENGINEER AND WILL BE INDICATED ON THE STRUCTURAL FRAMING PLANS OF THE PROJECT.

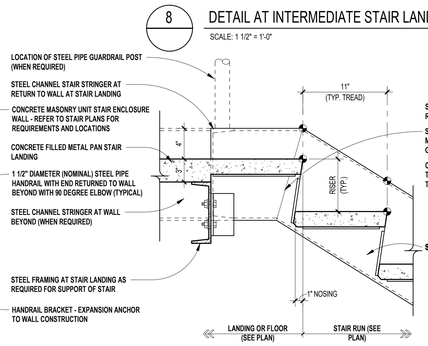
GENERAL STAIR NOTE

1. PAINT ALL METAL COMPONENTS OF STAIR EXPOSED TO VIEW (INCLUDING UNDERSIDE OF STAIRS AND LANDINGS).

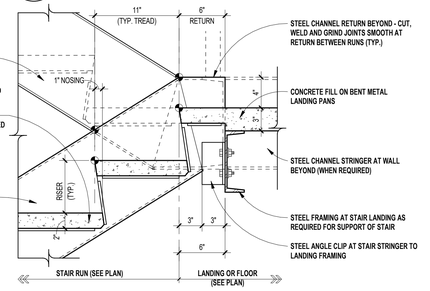




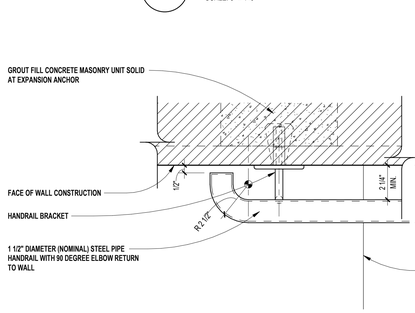
11 DETAIL AT HANDRAIL BRACKET
SCALE: 3" = 1'-0"



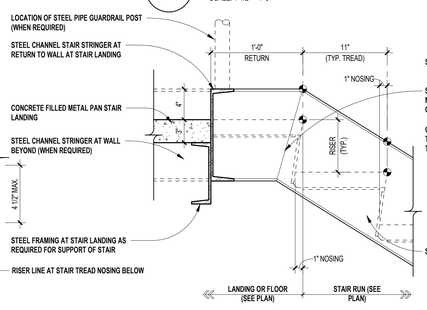
8 DETAIL AT INTERMEDIATE STAIR LANDING
SCALE: 1 1/2" = 1'-0"



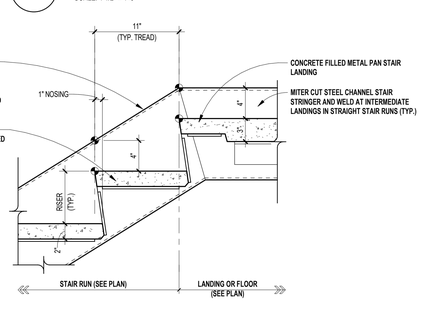
4 DETAIL AT INTERMEDIATE LANDING AND RETURN
SCALE: 1 1/2" = 1'-0"



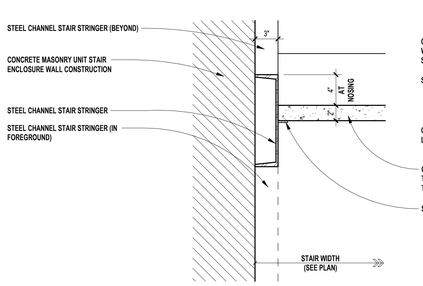
10 DETAIL AT HANDRAIL END RETURN
SCALE: 3" = 1'-0"



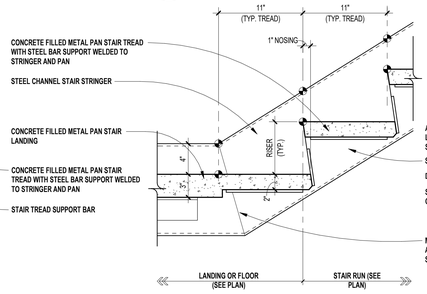
7 DETAIL AT UPPER STAIR RUN AND LANDING
SCALE: 1 1/2" = 1'-0"



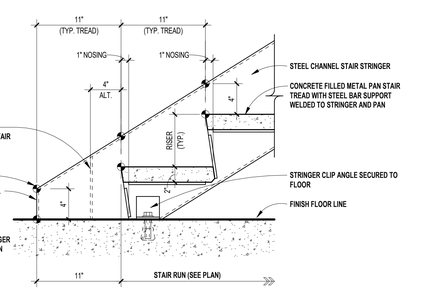
3 DETAIL AT INTERMEDIATE LANDING AND RETURN
SCALE: 1 1/2" = 1'-0"



9 DETAIL AT STAIR STRINGER AND STAIR TREAD
SCALE: 1 1/2" = 1'-0"



5 DETAIL AT INTERMEDIATE STAIR RUN LANDING
SCALE: 1 1/2" = 1'-0"



1 DETAIL AT BASE OF STAIR RUN
SCALE: 1 1/2" = 1'-0"

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REGISTRATION SEAL

CONSULTANT

PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MICHIGAN

DRAWING TITLE

Stair Details

ISSUE DATES

DATE:	ISSUED FOR:
02-26-2026	D.R. - 2 CONSTRUCTION DOCUMENTS
02-12-2026	OWNER REVIEW
12-16-2025	BID PACKAGE NO. 1 - PEMB
10-17-2025	SCHEMATIC DESIGN

DRAWN	BP
CHECKED	MS
APPROVED	DL

PROJECT NO.

25026E

DRAWING NO.

A6.3

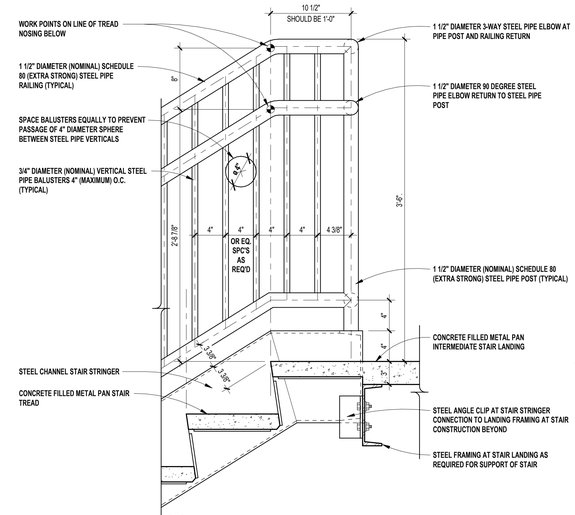
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GENERAL STAIR CONSTRUCTION NOTES & REQUIREMENTS

1. STAIR FABRICATOR/CONTRACTOR/MANUFACTURER IS RESPONSIBLE TO STRUCTURALLY DESIGN ALL STAIRS BASED UPON APPLICABLE CODES FOR EACH STAIR CONFIGURATION. STAIR SHOP DRAWINGS MUST BE PRODUCED AND STAMPED BY A REGISTERED STRUCTURAL ENGINEER AND SUBMITTED TO ARCHITECT AS SPECIFIED.
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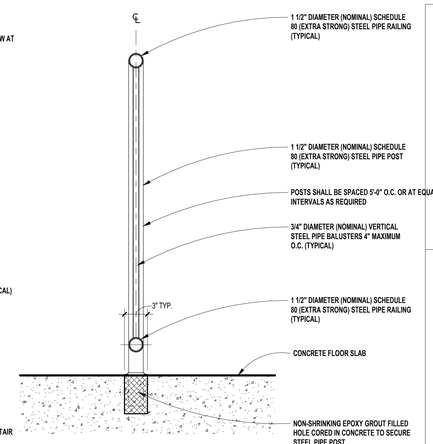
GENERAL STAIR NOTE

1. PAINT ALL METAL COMPONENTS OF STAIR EXPOSED TO VIEW (INCLUDING UNDERSIDE OF STAIRS AND LANDINGS).



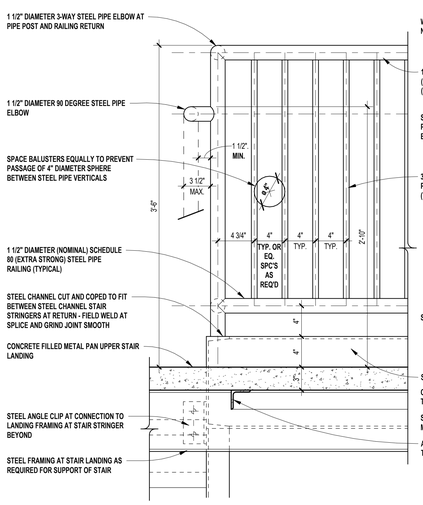
6 STAIR RAILING AT UPPER LANDING

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



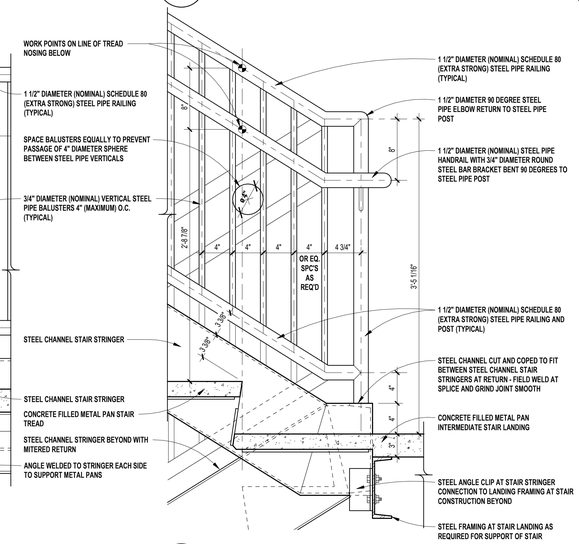
3 PIPE POST GUARDRAIL FLOOR ANCHORAGE

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



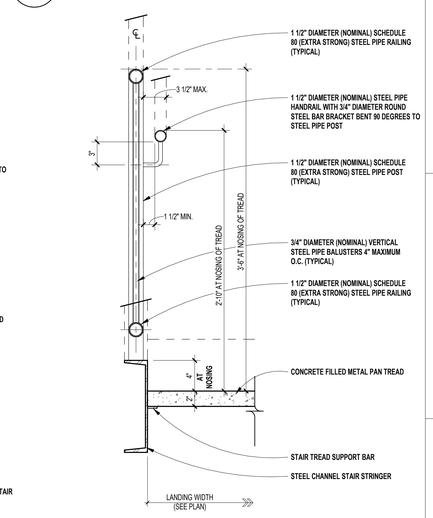
8 STAIR RAILING AT LANDING

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



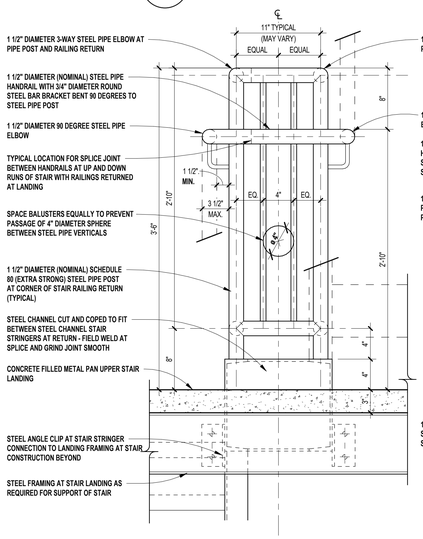
5 STAIR RAILING AT INTERMEDIATE LANDING1

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



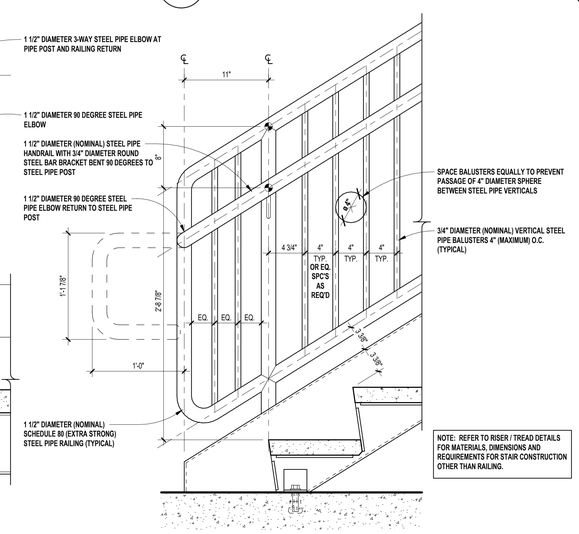
2 GUARDRAIL AT STAIR RAILING WITH HANDRAIL

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



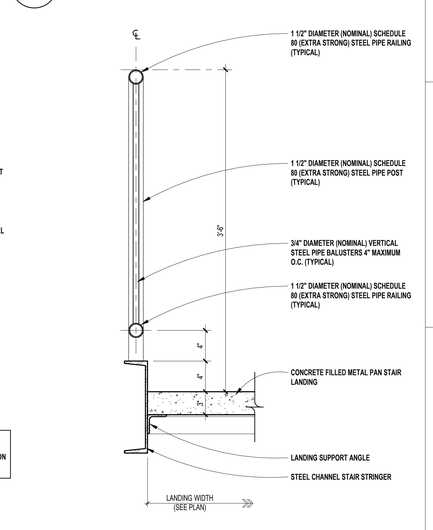
7 STAIR RAILING AT RETURN BETWEEN STAIR RUNS

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



4 STAIR RAILING AT BASE OF STAIR RUN1

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



1 GUARDRAIL AT STAIR LANDING

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

TMP ARCHITECTURE

TMP ARCHITECTURE INC
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BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561
EM - INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MICHIGAN

DRAWING TITLE

Stair Railing Details

ISSUE DATES

02-26-2026	D.R. - 2 CONSTRUCTION DOCUMENTS
02-12-2026	OWNER REVIEW
DATE:	ISSUED FOR:

DRAWN	BP
CHECKED	MS
APPROVED	DL

PROJECT NO.

25026E

DRAWING NO.

A6.4

Autodesk Docs://25026E_Dexter - New Field House/25026E-ARCH-25.rvt
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ACCESSORIES LEGEND

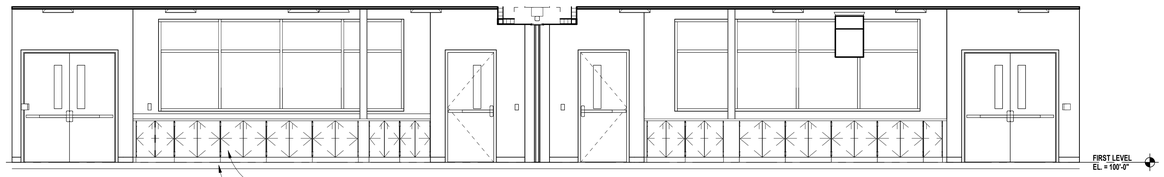
1. SURFACE-MOUNTED , LIQUID SOAP DISPENSER (40 OZ. CAPACITY). (BOTTOM OF UNIT 4" ABOVE LAVATORY RIM OR COUNTER).
2. PAPER TOWEL DISPENSER
3. SURFACE-MOUNTED, DOUBLE ROLL, TOILET PAPER HOLDER
4. SURFACE-MOUNTED, SANITARY NAPKIN DISPOSAL UNIT
5. CHANNEL FRAME MIRROR (18" W x 36" H).
6. GRAB BAR (36" LONG).
7. GRAB BAR (42" LONG).
8. TWO WALL GRAB BAR (18" x 33" LONG).

GENERAL NOTES

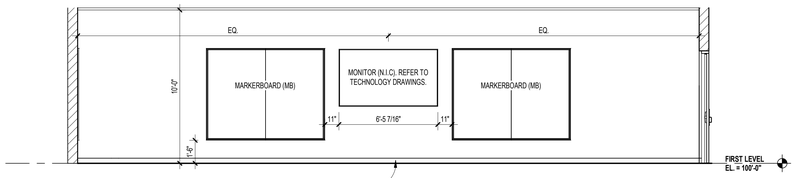
1. MOUNTING HEIGHTS AND POSITIONING SHALL BE AS INDICATED ON GENERAL INFORMATION SHEET (TG.1), U.O.N.

GLAZING TYPES

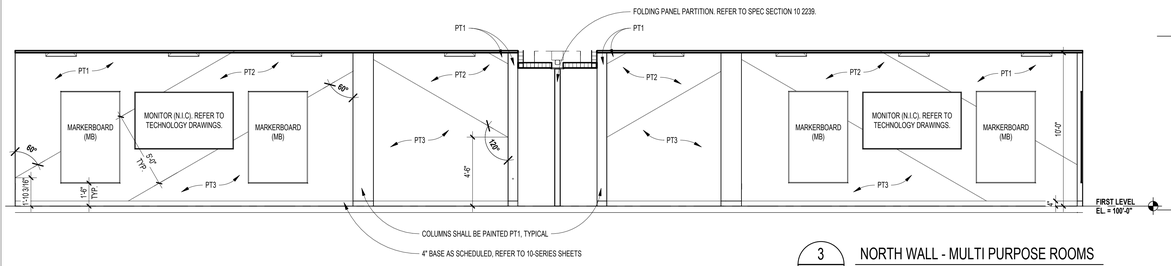
GL-1	5/16" (8mm) HEAT-STRENGTHENED LAMINATED GLASS
GL-2	1/4" (6mm) CLEAR TEMPERED MONOLITHIC GLASS
GL-3	1" (25mm) CLEAR TEMPERED INSULATED MONOLITHIC GLASS (LOW-E)
GL-4	1" (25mm) CLEAR HEAT-STRENGTHENED LAMINATED INSULATED GLASS (LOW-E)
FRGL-1	5/16" (8mm) FIRE PROTECTIVE GLAZING (60 MIN)



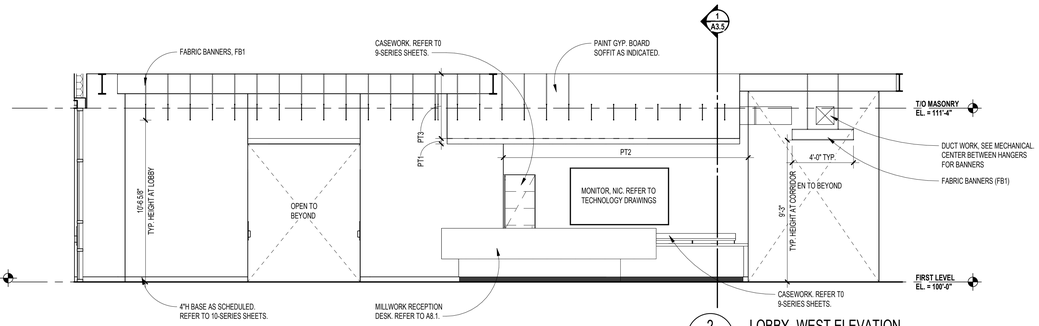
5 A1.1A SOUTH WALL - MULTI-PURPOSE ROOMS
SCALE: 1/4" = 1'-0"



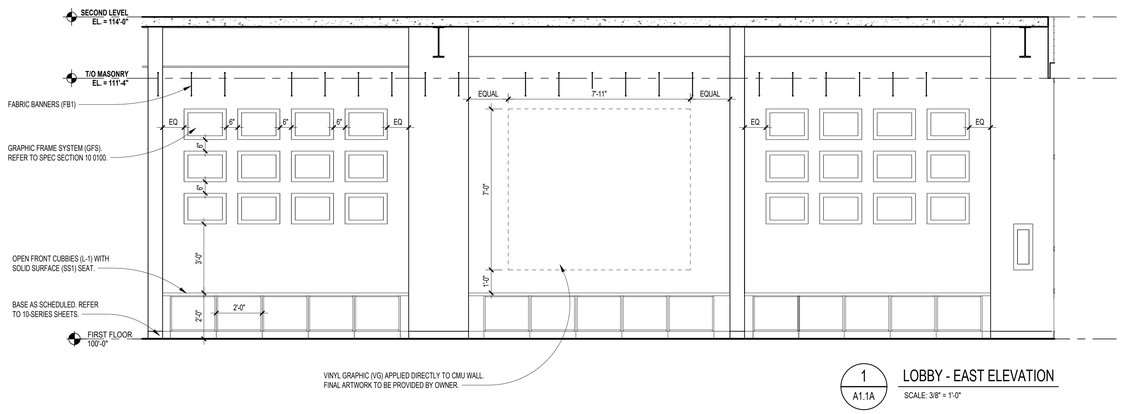
4 A1.1A EAST WALL - A114
SCALE: 1/4" = 1'-0"



3 A1.1A NORTH WALL - MULTI PURPOSE ROOMS
SCALE: 1/4" = 1'-0"



2 A1.1A LOBBY- WEST ELEVATION
SCALE: 1/4" = 1'-0"



1 A1.1A LOBBY - EAST ELEVATION
SCALE: 3/8" = 1'-0"

TMP ARCHITECTURE

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1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS · MICHIGAN · 48302
PH · 248.338.4561
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REGISTRATION SEAL

CONSULTANT

PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MICHIGAN

DRAWING TITLE

Interior Elevations

ISSUE DATES

DATE:	ISSUED FOR:
02-26-2026	D.R. - 2 CONSTRUCTION DOCUMENTS
02-12-2026	OWNER REVIEW
12-19-2025	DESIGN DEVELOPEMENT
10-17-2025	SCHEMATIC DESIGN

DRAWN	JM
CHECKED	MS
APPROVED	DL

PROJECT NO.

25026E

DRAWING NO.

A7.1

Autodesk Docs://25026E_Dexter - New Field House/25026E-ARCH-25.rvt
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ACCESSORIES LEGEND

1. SURFACE-MOUNTED , LIQUID SOAP DISPENSER (40 OZ. CAPACITY). (BOTTOM OF UNIT 4" ABOVE LAVATORY RIM OR COUNTER).
2. PAPER TOWEL DISPENSER
3. SURFACE-MOUNTED, DOUBLE ROLL, TOILET PAPER HOLDER
4. SURFACE-MOUNTED, SANITARY NAPKIN DISPOSAL UNIT
5. CHANNEL FRAME MIRROR (18" W x 36" H).
6. GRAB BAR (36" LONG).
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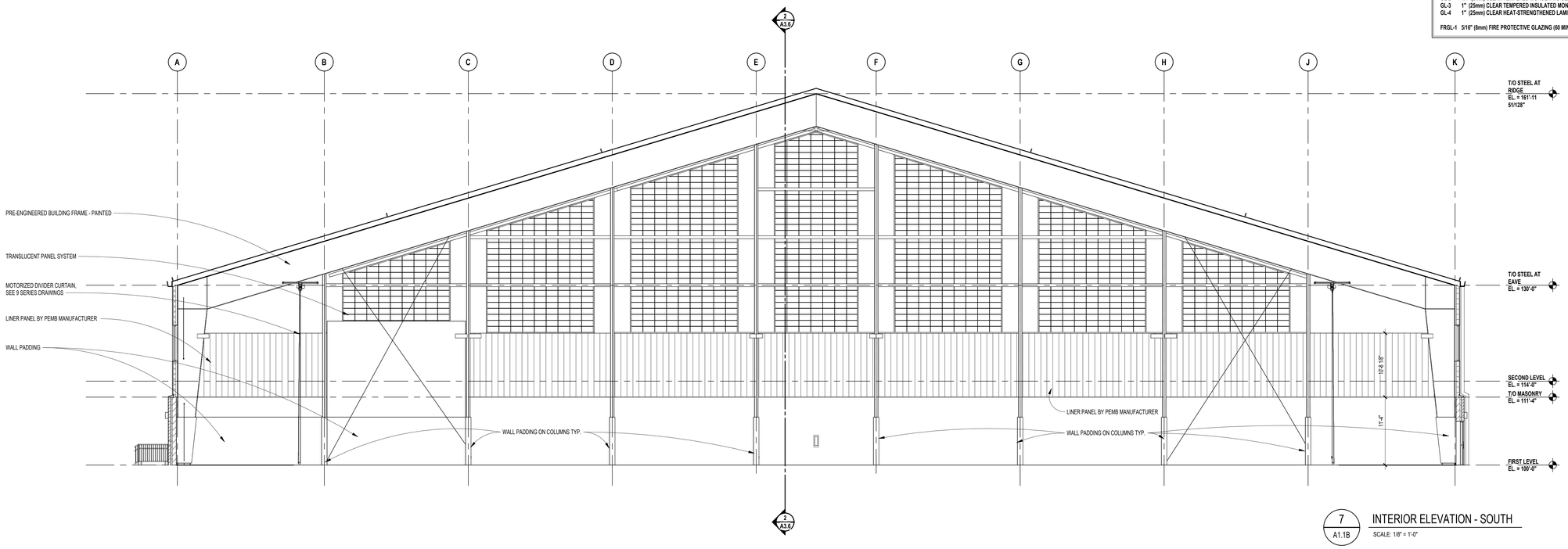
GENERAL NOTES

1. MOUNTING HEIGHTS AND POSITIONING SHALL BE AS INDICATED ON GENERAL INFORMATION SHEET (TG.1), U.O.N.

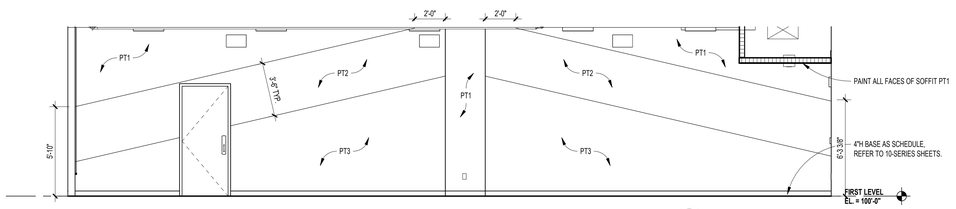
GLAZING TYPES

GL-1 5/16" (8mm) HEAT-STRENGTHENED LAMINATED GLASS
GL-2 1/4" (6mm) CLEAR TEMPERED MONOLITHIC GLASS
GL-3 1" (25mm) CLEAR TEMPERED INSULATED MONOLITHIC GLASS (LOW-E)
GL-4 1" (25mm) CLEAR HEAT-STRENGTHENED LAMINATED INSULATED GLASS (LOW-E)

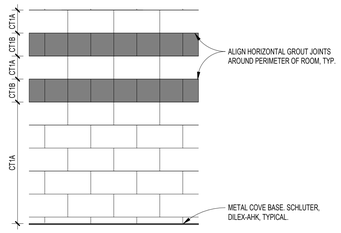
FRGL-1 5/16" (8mm) FIRE PROTECTIVE GLAZING (60 MIN)



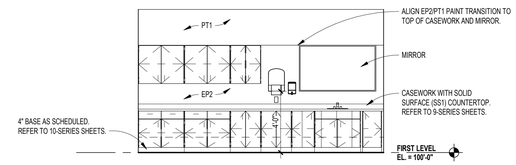
7 A1.1B INTERIOR ELEVATION - SOUTH
SCALE: 1/8" = 1'-0"



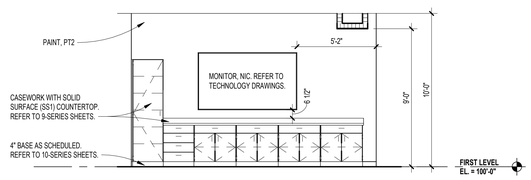
6 A1.1A EAST WALL - A106
SCALE: 1/4" = 1'-0"



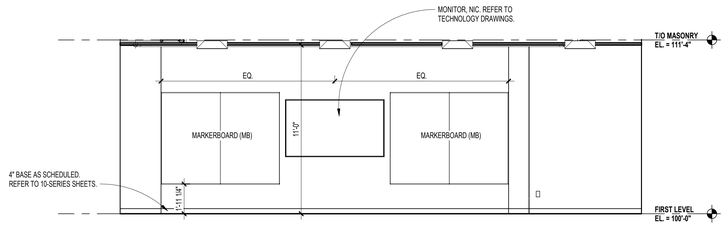
5 A1.1A TYPICAL TOILET ROOM WALL PATTERN
SCALE: 3/8" = 1'-0"



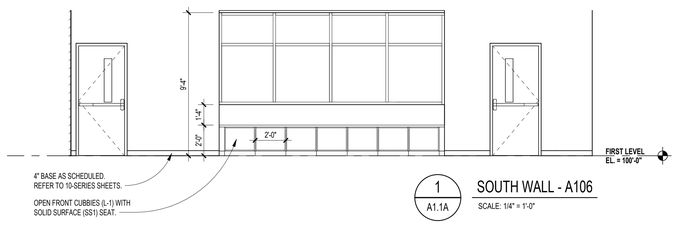
4 A1.1A TRAINING WEST ELEVATION
SCALE: 1/4" = 1'-0"



3 A1.1A RECEPTION ELEVATION
SCALE: 1/4" = 1'-0"



2 A1.1A NORTH WALL - A106
SCALE: 1/4" = 1'-0"



1 A1.1A SOUTH WALL - A106
SCALE: 1/4" = 1'-0"

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REGISTRATION SEAL

CONSULTANT

PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MICHIGAN

DRAWING TITLE

Interior Elevations

ISSUE DATES

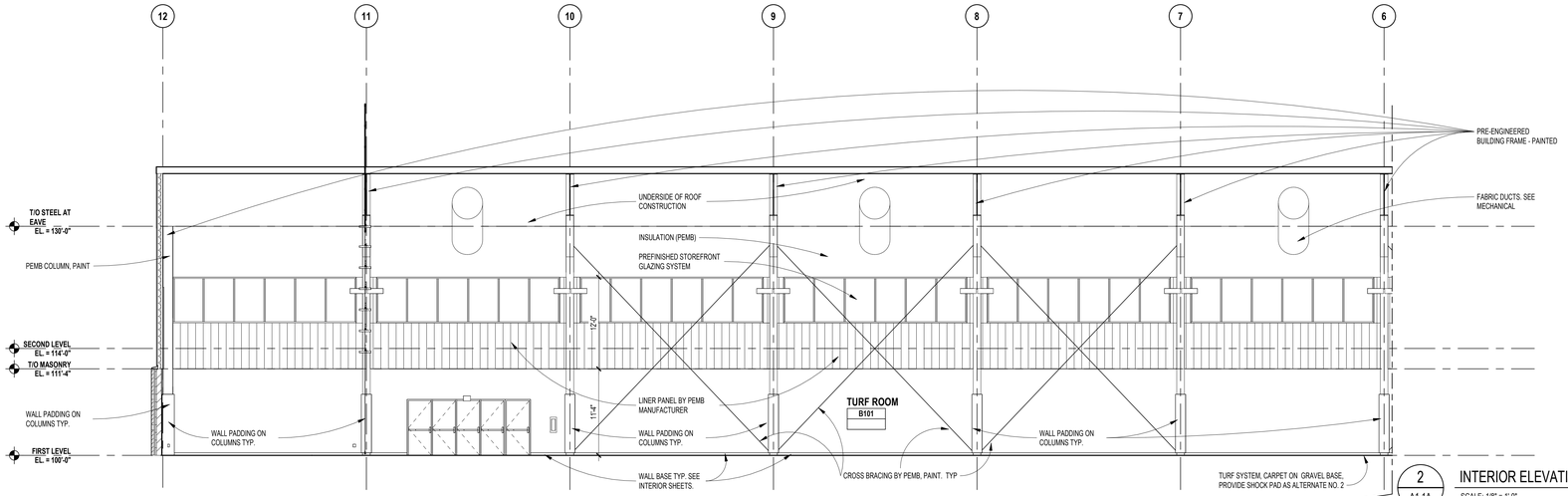
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02-26-2026	D.R. - 2 CONSTRUCTION DOCUMENTS
02-12-2026	OWNER REVIEW
12-19-2025	DESIGN DEVELOPEMENT
10-17-2025	SCHEMATIC DESIGN

DRAWN	JM
CHECKED	MS
APPROVED	DL

PROJECT NO.
25026E

DRAWING NO.
A7.2

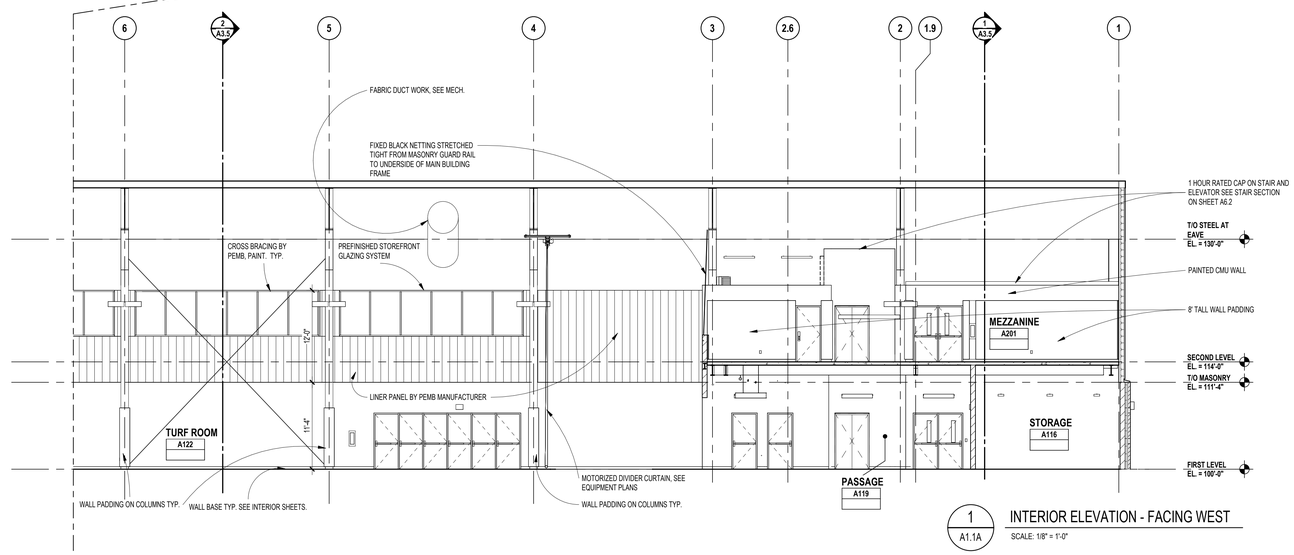
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2 A1.1A INTERIOR ELEVATION - FACING WEST.

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

NOTE:
SOME DIVIDER CURTAINS NOT SHOWN FOR CLARITY TO SHOW WALL BEYOND. SEE EQUIPMENT PLANS. A9 SERIES.



1 A1.1A INTERIOR ELEVATION - FACING WEST

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

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PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MICHIGAN

DRAWING TITLE

Interior Elevations

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12-19-2025	DESIGN DEVELOPEMENT

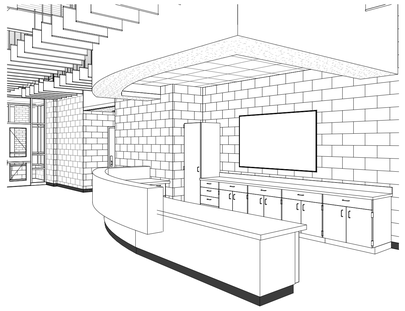
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APPROVED	DL

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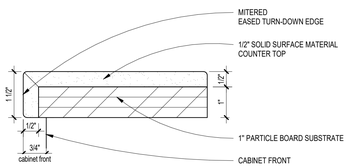
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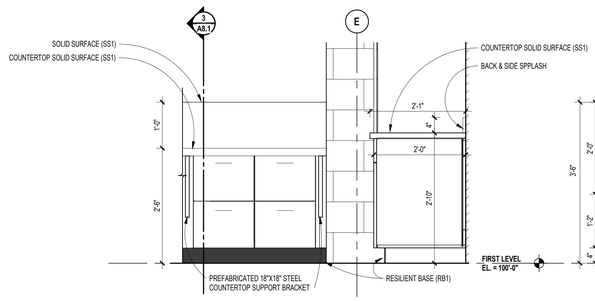
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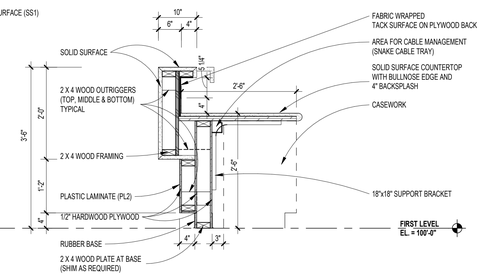
7 RECEPTION DESK
SCALE:



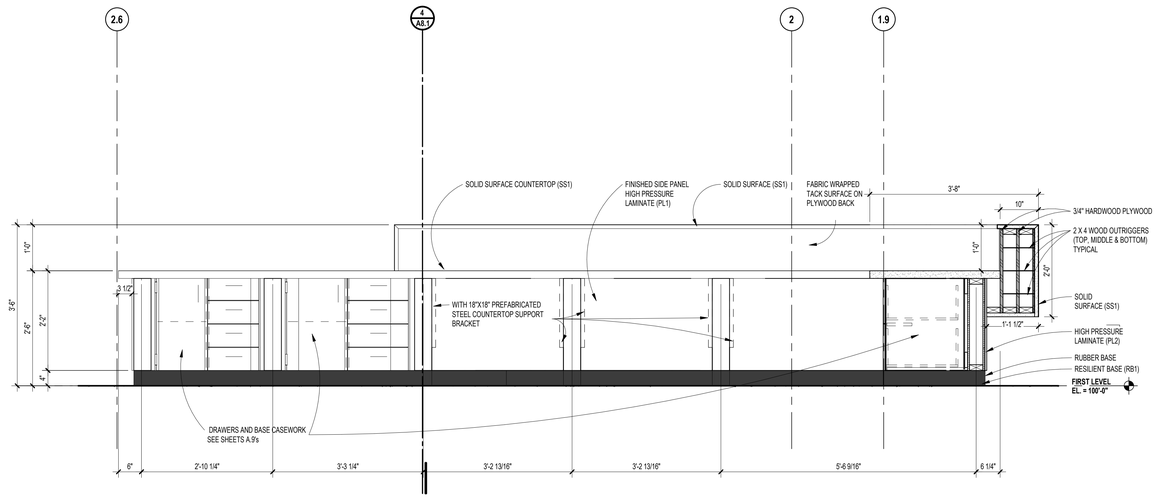
6 MILLWORK - COUNTERTOP AND BENCH TOP TYP. BULLNOSE
SCALE: 6" = 1'-0"



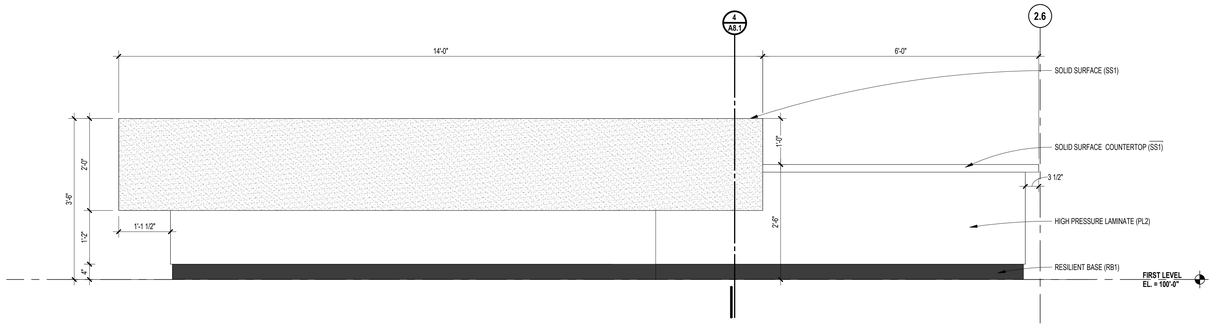
5 A6.1 ELEVATION
SCALE: 3/4" = 1'-0"



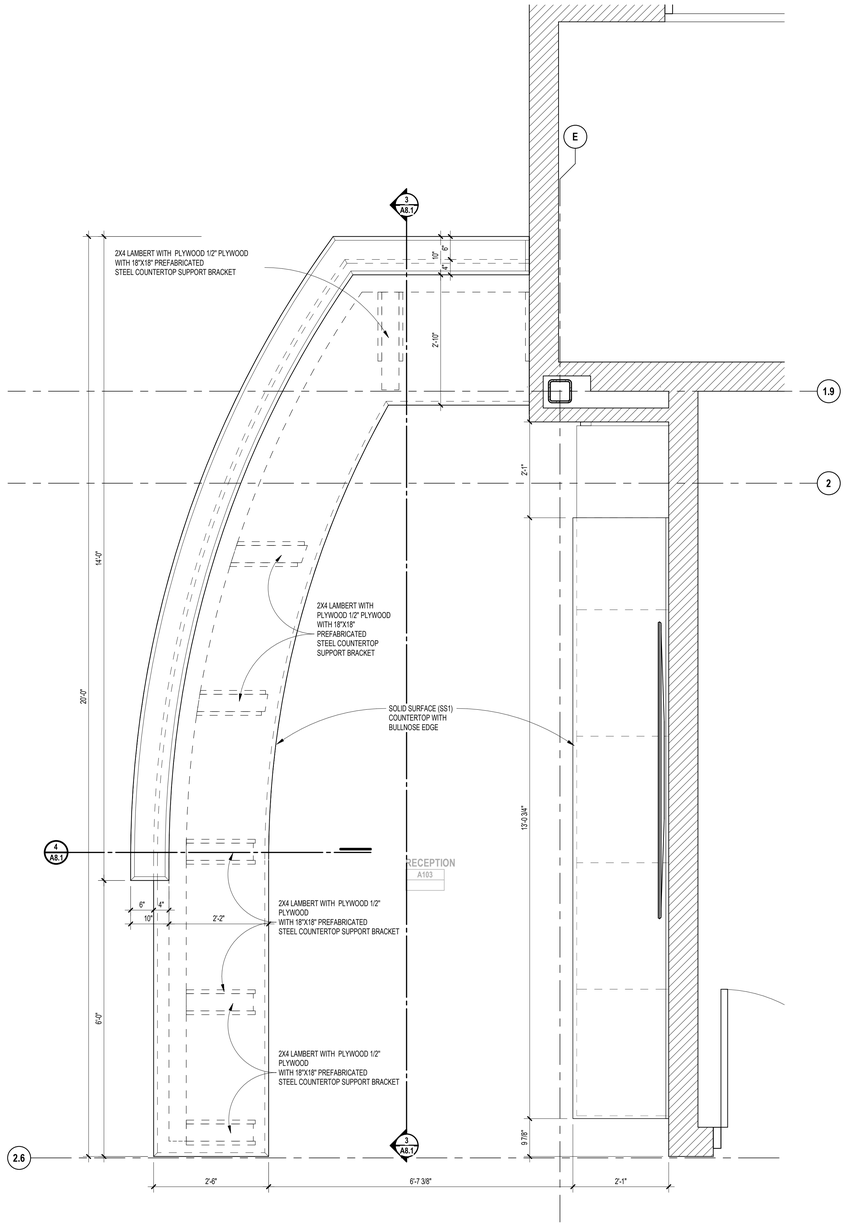
4 A6.1 SECTION B
SCALE: 3/4" = 1'-0"



3 A8.1 SECTION A
SCALE: 3/4" = 1'-0"



2 A6.1 FRONT ELEVATION
SCALE: 3/4" = 1'-0"



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

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REGISTRATION SEAL

CONSULTANT

PROJECT TITLE
NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MICHIGAN

DRAWING TITLE
Millwork Details

ISSUE DATES

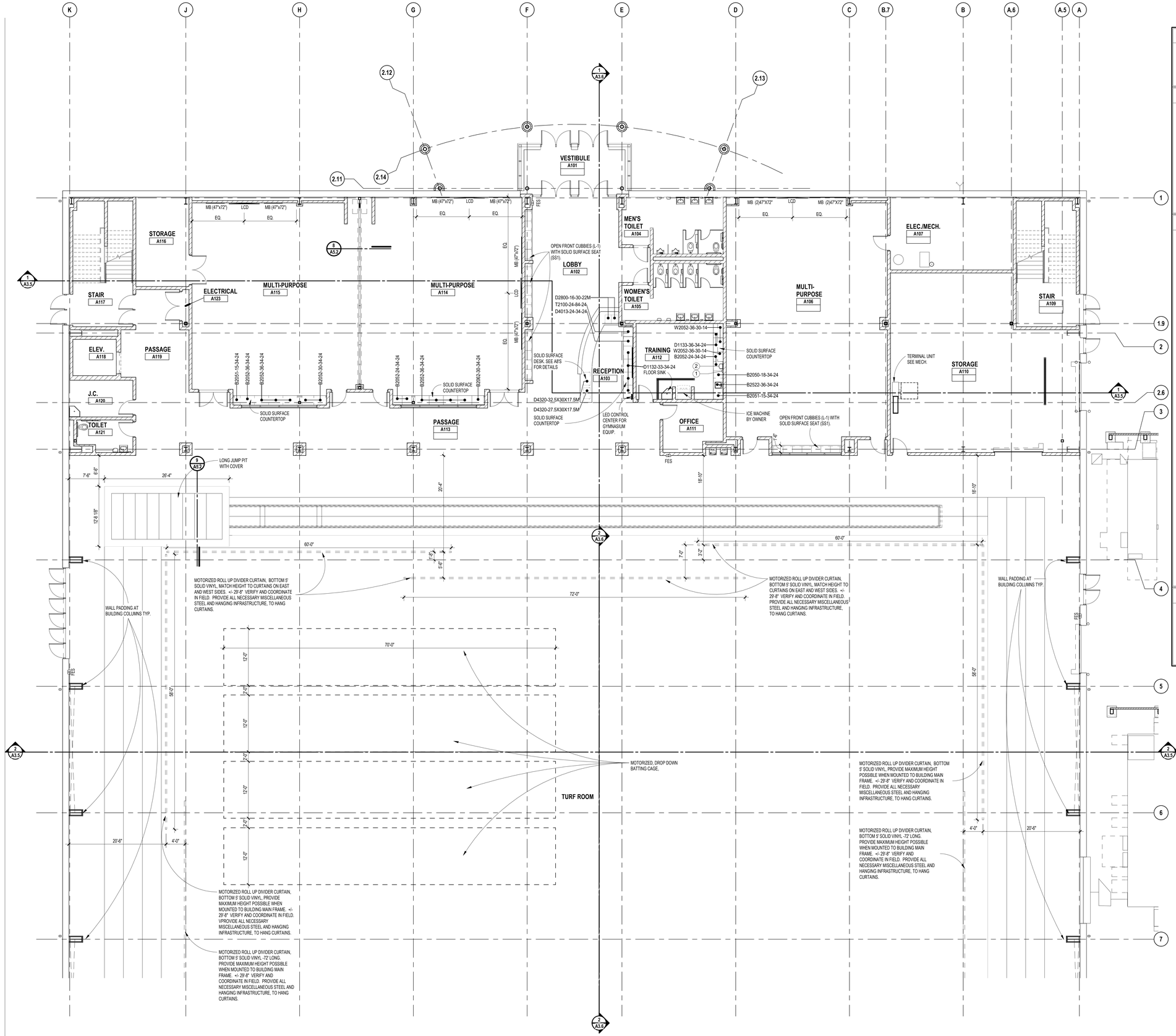
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12-19-2025	DESIGN DEVELOPEMENT

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CHECKED	MS
APPROVED	DL

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A8.1

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1 A3.1 FIRST LEVEL CASEWORK AND EQUIPMENT PLAN - ZONE 'A'

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

LEGEND

T.V. MONITOR (N.I.C.) & OVERHEAD SUSPENDED MOUNT (N.I.C.).

FIRE EXTINGUISHER IN CABINET (FEC)

FIRE EXTINGUISHER ON WALL BRACKET (FE)

VISUAL DISPLAY BOARD NOTES

TYPE OF BOARD — 6'-0" MB — WIDTH OF BOARD/STRIP

HEIGHT OF ALL BOARDS ARE 4'-0" (UON)

NOTES:

1. MB = MARKERBOARD
   TB = TACKBOARD
   TS = TACK STRIP
   SB = SMART BOARD (BY OTHERS)
2. MOUNTING HEIGHTS (UON):
   MB/TB = 3'-0" AFF TO BOTTOM
   TS = 6'-0" AFF TO CENTER
3. MAP RAILS SHALL BE CONTINUOUS OVER MARKERBOARDS.
4. ALL MARKERBOARDS SHALL BE PROVIDED WITH TRAYS & MAP RAILS.

CASEWORK NOTES

1. ALL PREFABRICATED CABINETS INDICATED ARE BASED ON TMI STORAGE SYSTEMS CORPORATION PRODUCTS. REFER TO TMI CATALOG FOR TYPICAL NUMBERING FORMAT.
2. ALL TMI CABINETS ARE DESIGNATED USING THE TYPICAL TMI ELEVEN (11) DIGIT NOTATION SYSTEM. THE FIRST FIVE DIGITS ARE THE MODEL NUMBER FOLLOWED BY THREE SETS OF TWO DIGIT NUMBERS FOR THE WIDTH, HEIGHT AND DEPTH.
3. WIDTH, HEIGHT AND DEPTH OF PREFABRICATED CABINETS IS INDICATED IN INCHES UNLESS NOTED OTHERWISE. MODEL DIMENSIONS ARE NOMINAL UNLESS SPECIFICALLY NOTED. "00000-00-00-00-M" INDICATES MODIFIED CASEWORK.
4. PROVIDE PLASTIC LAMINATE COUNTERTOPS (WITH BACKEND SPLASHES) AT ALL BASE CABINETS. RADIUS ALL OUTSIDE CORNERS (U.O.N.)
5. ALL EXPOSED SURFACES OF CASEWORK TO BE FINISHED, TYPICAL.
6. WALL CABINETS (OVER COUNTERS) ARE TYPICALLY MOUNTED AT 7'-6" AFF TO TOP (UON).
7. PROVIDE FINISHED END PANELS ON ALL EXPOSED CASEWORK ENDS.
8. PROVIDE RESTRAINING CHAINS ON ALL END BASE AND WALL CABINET DOORS WHICH OPEN AGAINST PERPENDICULAR WALLS.
9. WHERE CASEWORK IS HELD AWAY FROM WALLS, TO FLUSH-OUT WITH ADJACENT CABINETS, SCRIBE END/FILLER PANELS TO WALLS.
10. PROVIDE FILLER PANELS WHERE SHOWN AND/OR OTHERWISE REQUIRED FOR A COMPLETE INSTALLATION.
11. PROVIDE LOCKS AT ALL CABINET DOORS AND DRAWERS (U.O.N.)
12. MODIFY SINK BASE CABINETS AS REQUIRED TO ACCOMMODATE OVERSIZED SINKS (SEE MECHANICAL FOR OVERSIZED SINK LOCATIONS.
13. WHERE BF 34" HIGH BASE CABINETS ARE INDICATED, MODIFY CABINET CONSTRUCTION BY REDUCING THE HEIGHT OF ALL COMPARTMENTS EQUALLY (INDICATE ON SHOP DWGS.)
14. PROVIDE INTERMEDIATE PLASTIC LAMINATE CLAD SUPPORT PANELS @ 4'-0" OC MAXIMUM AT ALL UNSUPPORTED COUNTER TOPS (UON).
15. PROVIDE GROMMETS AT ALL COUNTERS WITH KNEESPACES, WHERE POWER/DATA OUTLETS ARE LOCATED BELOW (REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS). PROVIDE (1) ONE GROMMET PER KNEESPACE (UON). FINAL LOCATION(S) WILL BE MARKED-UP ON THE SHOP DRAWING SUBMITTAL.
16. PROVIDE MOISTURE RESISTANT PARTICLE BOARD AT SINK BASE, COUNTERTOP, AND SPLASH WITHIN 18" OF SINK.

PROJECTION SCREEN SCHEDULE

A.	7'-6"w X 7'-0"h	MANUALLY OPERATED, WALL MOUNTED
B.	15'-0"w X 15'-0"h	ELECTRICALLY OPERATED, SUSPENDED MOUNTED
C.	15'-0"w X 15'-0"h	ELECTRICALLY OPERATED, RECESSED MOUNTED
D.	7'-0"w X 7'-0"h	ELECTRICALLY OPERATED, RECESSED MOUNTED
E.	12'-0"w X 9'-0"h	MANUALLY OPERATED, WALL MOUNTED

NOTES:

1. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.

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REGISTRATION SEAL

CONSULTANT

PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MICHIGAN

DRAWING TITLE

First Level Casework & Equipment Plan - Zone 'A'

A
B

ISSUE DATES

DATE:	ISSUED FOR:
02-26-2026	D.R. - 2 CONSTRUCTION DOCUMENTS
02-12-2026	OWNER REVIEW
12-19-2025	DESIGN DEVELOPEMENT
12-16-2025	BID PACKAGE NO. 1 - PEMB
10-17-2025	SCHEMATIC DESIGN

DRAWN	JM
CHECKED	MS
APPROVED	DL

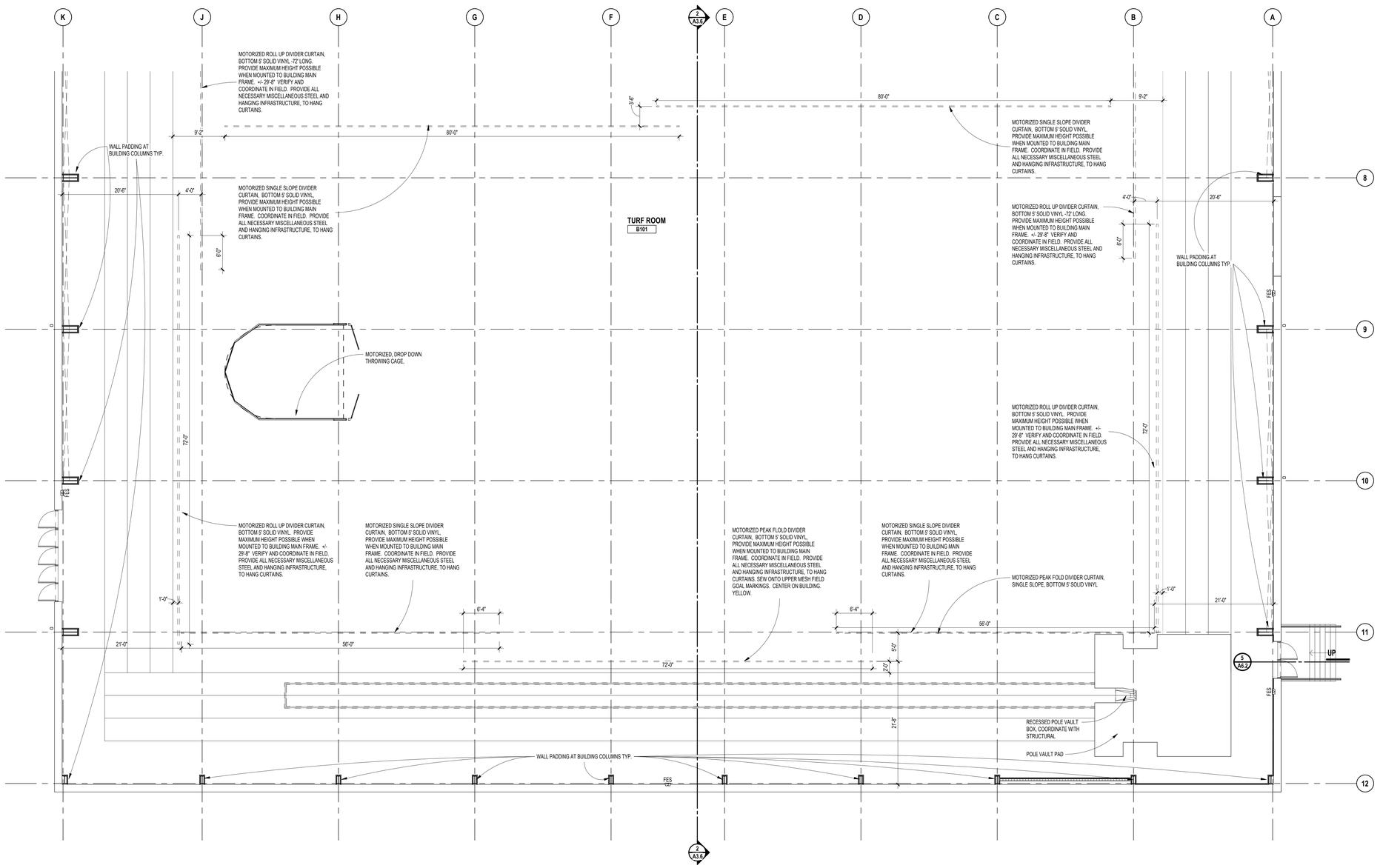
PROJECT NO.

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DRAWING NO.

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FIRST LEVEL CASEWORK & EQUIPMENT PLAN - ZONE 'B'

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

LEGEND

- T.V. MONITOR (N.I.C.) & OVERHEAD SUSPENDED MOUNT (N.I.C.).
- FES / FEC — FIRE EXTINGUISHER IN CABINET (FEC)
- FE — FIRE EXTINGUISHER ON WALL BRACKET (FE)

VISUAL DISPLAY BOARD NOTES

TYPE OF BOARD — 6'-0" MB — WIDTH OF BOARD/STRIP

HEIGHT OF ALL BOARDS ARE 4'-0" (UON)

NOTES:

1. MB = MARKERBOARD
   TB = TACKBOARD
   TS = TACK STRIP
   SB = SMART BOARD (BY OTHERS)
2. MOUNTING HEIGHTS (UON):
   MB/TB = 3'-0" AFF TO BOTTOM
   TS = 6'-0" AFF TO CENTER
3. MAP RAILS SHALL BE CONTINUOUS OVER MARKERBOARDS.
4. ALL MARKERBOARDS SHALL BE PROVIDED WITH TRAYS & MAP RAILS.

CASEWORK NOTES

1. ALL PREFABRICATED CABINETS INDICATED ARE BASED ON TMI STORAGE SYSTEMS CORPORATION PRODUCTS. REFER TO TMI CATALOG FOR TYPICAL NUMBERING FORMAT.
2. ALL TMI CABINETS ARE DESIGNATED USING THE TYPICAL TMI ELEVEN (11) DIGIT NOTATION SYSTEM. THE FIRST FIVE DIGITS ARE THE MODEL NUMBER FOLLOWED BY THREE SETS OF TWO DIGIT NUMBERS FOR THE WIDTH, HEIGHT AND DEPTH.
3. WIDTH, HEIGHT AND DEPTH OF PREFABRICATED CABINETS IS INDICATED IN INCHES UNLESS NOTED OTHERWISE. MODEL DIMENSIONS ARE NOMINAL UNLESS SPECIFICALLY NOTED. "00000-00-00-00-M" INDICATES MODIFIED CASEWORK.
4. PROVIDE PLASTIC LAMINATE COUNTERTOPS (WITH BACKEND SPLASHES) AT ALL BASE CABINETS. RADIUS ALL OUTSIDE CORNERS (U.O.N.)
5. ALL EXPOSED SURFACES OF CASEWORK TO BE FINISHED, TYPICAL.
6. WALL CABINETS (OVER COUNTERS) ARE TYPICALLY MOUNTED AT 7'-6" AFF TO TOP (UON).
7. PROVIDE FINISHED END PANELS ON ALL EXPOSED CASEWORK ENDS.
8. PROVIDE RESTRAINING CHAINS ON ALL END BASE AND WALL CABINET DOORS WHICH OPEN AGAINST PERPENDICULAR WALLS.
9. WHERE CASEWORK IS HELD AWAY FROM WALLS, TO FLUSH-OUT WITH ADJACENT CABINETS, SCRIBE END/FILLER PANELS TO WALLS.
10. PROVIDE FILLER PANELS WHERE SHOWN AND/OR OTHERWISE REQUIRED FOR A COMPLETE INSTALLATION.
11. PROVIDE LOCKS AT ALL CABINET DOORS AND DRAWERS (U.O.N.)
12. MODIFY SINK BASE CABINETS AS REQUIRED TO ACCOMMODATE OVERSIZED SINKS (SEE MECHANICAL FOR OVERSIZED SINK LOCATIONS.
13. WHERE BF 34" HIGH BASE CABINETS ARE INDICATED, MODIFY CABINET CONSTRUCTION BY REDUCING THE HEIGHT OF ALL COMPARTMENTS EQUALLY (INDICATE ON SHOP DWGS.)
14. PROVIDE INTERMEDIATE PLASTIC LAMINATE CLAD SUPPORT PANELS @ 4'-0" OC MAXIMUM AT ALL UNSUPPORTED COUNTER TOPS (UON).
15. PROVIDE GROMMETS AT ALL COUNTERS WITH KNEESPACES, WHERE POWER/DATA OUTLETS ARE LOCATED BELOW (REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS). PROVIDE (1) ONE GROMMET PER KNEESPACE (UON). FINAL LOCATION(S) WILL BE MARKED-UP ON THE SHOP DRAWING SUBMITTAL.
16. PROVIDE MOISTURE RESISTANT PARTICLE BOARD AT SINK BASE, COUNTERTOP, AND SPLASH WITHIN 18" OF SINK.

PROJECTION SCREEN SCHEDULE

A.	7'-6"w X 7'-6"h	MANUALLY OPERATED, WALL MOUNTED
B.	15'-0"w X 15'-0"h	ELECTRICALLY OPERATED, SUSPENDED MOUNTED
C.	15'-0"w X 15'-0"h	ELECTRICALLY OPERATED, RECESSED MOUNTED
D.	7'-6"w X 7'-6"h	ELECTRICALLY OPERATED, RECESSED MOUNTED
E.	12'-0"w X 9'-0"h	MANUALLY OPERATED, WALL MOUNTED

NOTES:

1. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.

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REGISTRATION SEAL

CONSULTANT

PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MICHIGAN

DRAWING TITLE

First Level Casework & Equipment Plan - Zone 'B'

A
B

ISSUE DATES

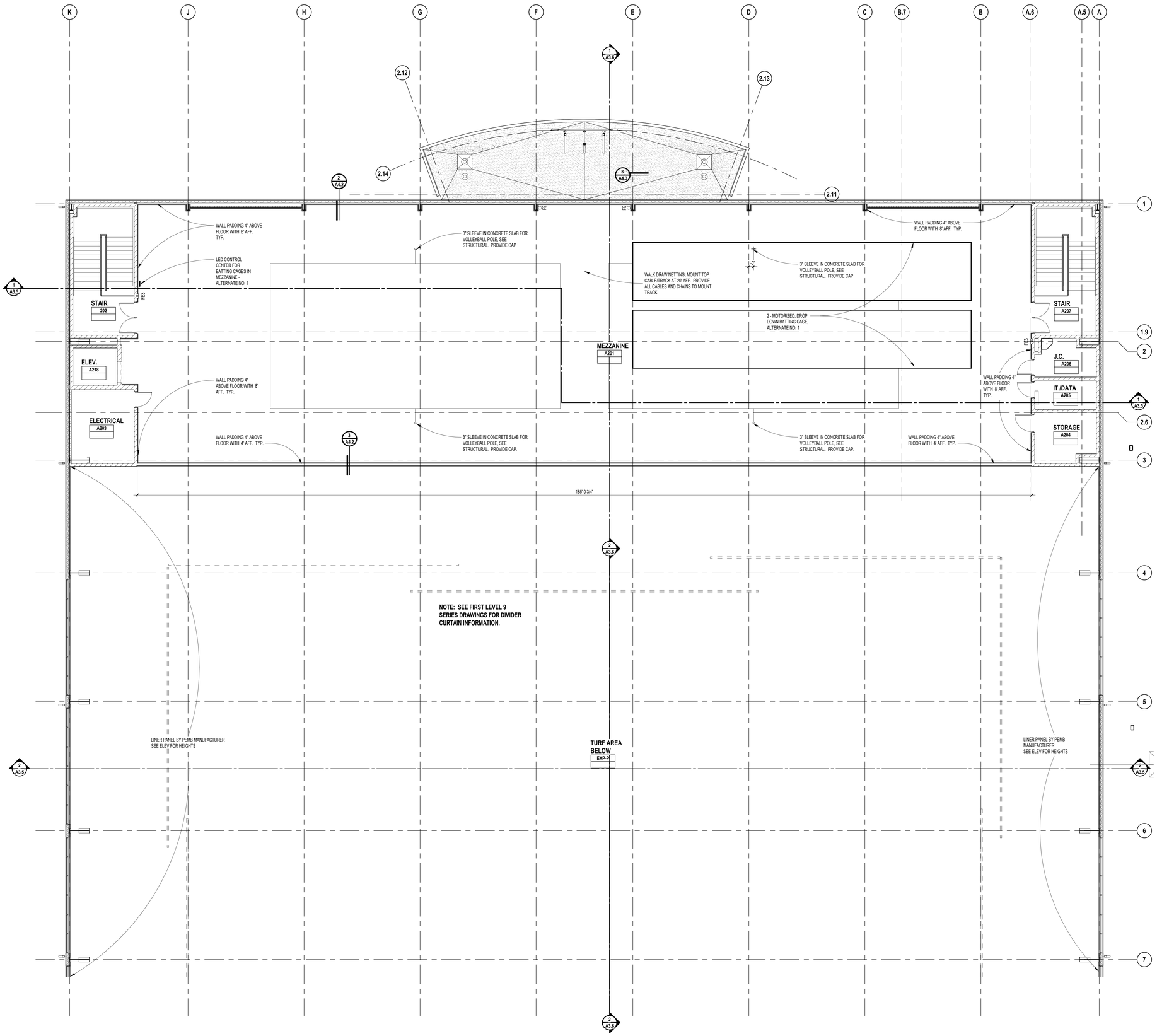
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12-16-2025	BID PACKAGE NO. 1 - PEMB
10-17-2025	SCHEMATIC DESIGN

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CHECKED	MS
APPROVED	DL

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A9.1B

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1 A3.1 SECOND LEVEL CASEWORK & EQUIPMENT PLAN - ZONE 'A'

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

LEGEND

T.V. MONITOR (N.I.C.) & OVERHEAD SUSPENDED MOUNT (N.I.C.).

FIRE EXTINGUISHER IN CABINET (FEC)

FIRE EXTINGUISHER ON WALL BRACKET (FE)

VISUAL DISPLAY BOARD NOTES

TYPE OF BOARD — 6'-0" MB — WIDTH OF BOARD/STRIP

HEIGHT OF ALL BOARDS ARE 4'-0" (UON)

NOTES:

1. MB = MARKERBOARD
   TB = TACKBOARD
   TS = TACK STRIP
   SB = SMART BOARD (BY OTHERS)
2. MOUNTING HEIGHTS (UON):
   MB/TB = 3'-0" AFF TO BOTTOM
   TS = 6'-0" AFF TO CENTER
3. MAP RAILS SHALL BE CONTINUOUS OVER MARKERBOARDS.
4. ALL MARKERBOARDS SHALL BE PROVIDED WITH TRAYS & MAP RAILS.

CASEWORK NOTES

1. ALL PREFABRICATED CABINETS INDICATED ARE BASED ON TMI STORAGE SYSTEMS CORPORATION PRODUCTS. REFER TO TMI CATALOG FOR TYPICAL NUMBERING FORMAT.
2. ALL TMI CABINETS ARE DESIGNATED USING THE TYPICAL TMI ELEVEN (11) DIGIT NOTATION SYSTEM. THE FIRST FIVE DIGITS ARE THE MODEL NUMBER FOLLOWED BY THREE SETS OF TWO DIGIT NUMBERS FOR THE WIDTH, HEIGHT AND DEPTH.
3. WIDTH, HEIGHT AND DEPTH OF PREFABRICATED CABINETS IS INDICATED IN INCHES UNLESS NOTED OTHERWISE. MODEL DIMENSIONS ARE NOMINAL UNLESS SPECIFICALLY NOTED. "00000-00-00-00-M" INDICATES MODIFIED CASEWORK.
4. PROVIDE PLASTIC LAMINATE COUNTERTOPS (WITH BACKEND SPLASHES) AT ALL BASE CABINETS. RADIUS ALL OUTSIDE CORNERS (U.O.N.)
5. ALL EXPOSED SURFACES OF CASEWORK TO BE FINISHED, TYPICAL.
6. WALL CABINETS (OVER COUNTERS) ARE TYPICALLY MOUNTED AT 7'-6" AFF TO TOP (UON).
7. PROVIDE FINISHED END PANELS ON ALL EXPOSED CASEWORK ENDS.
8. PROVIDE RESTRAINING CHAINS ON ALL END BASE AND WALL CABINET DOORS WHICH OPEN AGAINST PERPENDICULAR WALLS.
9. WHERE CASEWORK IS HELD AWAY FROM WALLS, TO FLUSH-OUT WITH ADJACENT CABINETS, SCRIBE END/FILLER PANELS TO WALLS.
10. PROVIDE FILLER PANELS WHERE SHOWN AND/OR OTHERWISE REQUIRED FOR A COMPLETE INSTALLATION.
11. PROVIDE LOCKS AT ALL CABINET DOORS AND DRAWERS (U.O.N.)
12. MODIFY SINK BASE CABINETS AS REQUIRED TO ACCOMMODATE OVERSIZED SINKS (SEE MECHANICAL FOR OVERSIZED SINK LOCATIONS.
13. WHERE BF 34" HIGH BASE CABINETS ARE INDICATED, MODIFY CABINET CONSTRUCTION BY REDUCING THE HEIGHT OF ALL COMPARTMENTS EQUALLY (INDICATE ON SHOP DWGS.)
14. PROVIDE INTERMEDIATE PLASTIC LAMINATE CLAD SUPPORT PANELS @ 4'-0" OC MAXIMUM AT ALL UNSUPPORTED COUNTER TOPS (UON).
15. PROVIDE GROMMETS AT ALL COUNTERS WITH KNEESPACES, WHERE POWER/DATA OUTLETS ARE LOCATED BELOW (REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS). PROVIDE (1) ONE GROMMET PER KNEESPACE (UON). FINAL LOCATION(S) WILL BE MARKED-UP ON THE SHOP DRAWING SUBMITTAL.
16. PROVIDE MOISTURE RESISTANT PARTICLE BOARD AT SINK BASE, COUNTERTOP, AND SPLASH WITHIN 18" OF SINK.

PROJECTION SCREEN SCHEDULE

A.	7'-6"w X 7'-0"h	MANUALLY OPERATED, WALL MOUNTED
B.	15'-0"w X 15'-0"h	ELECTRICALLY OPERATED, SUSPENDED MOUNTED
C.	15'-0"w X 15'-0"h	ELECTRICALLY OPERATED, RECESSED MOUNTED
D.	7'-6"w X 7'-0"h	ELECTRICALLY OPERATED, RECESSED MOUNTED
E.	12'-0"w X 9'-0"h	MANUALLY OPERATED, WALL MOUNTED

NOTES:

1. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.

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registration seal

consultant

PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER,

DRAWING TITLE

Second Level Casework & Equipment Plan - Zone 'A'

A
B

KEY PLAN

issue dates

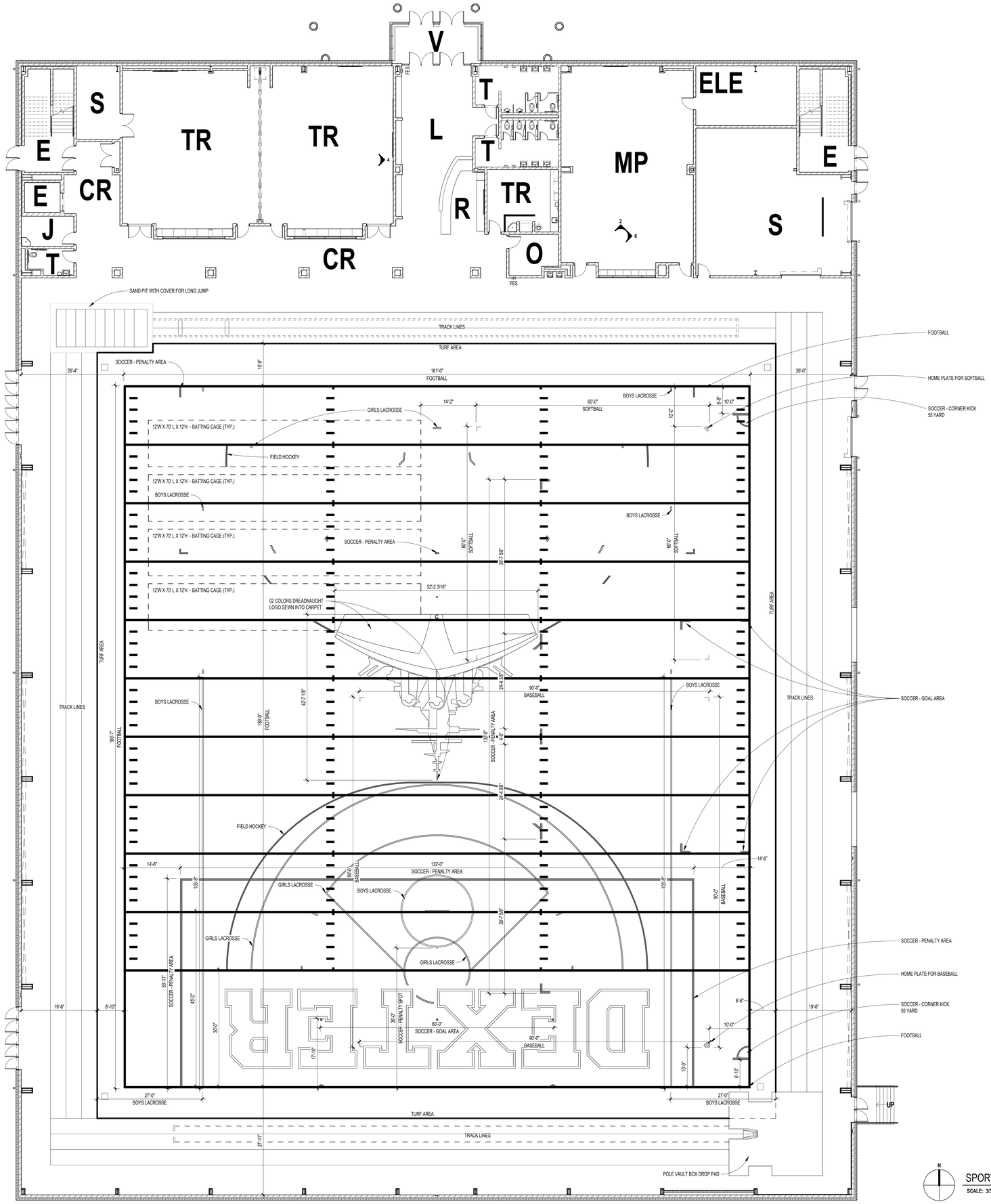
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drawn JM
checked MS
approved DL

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25026E

drawing no.
A9.2A

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N

SPORTS LINES FLOOR PLAN

SCALE: 3/32" = 1'-0"

TMP ARCHITECTURE

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REGISTRATION SEAL

CONSULTANT

PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MICHIGAN

DRAWING TITLE

Sports Lines Floor Plan

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DRAWN	JM
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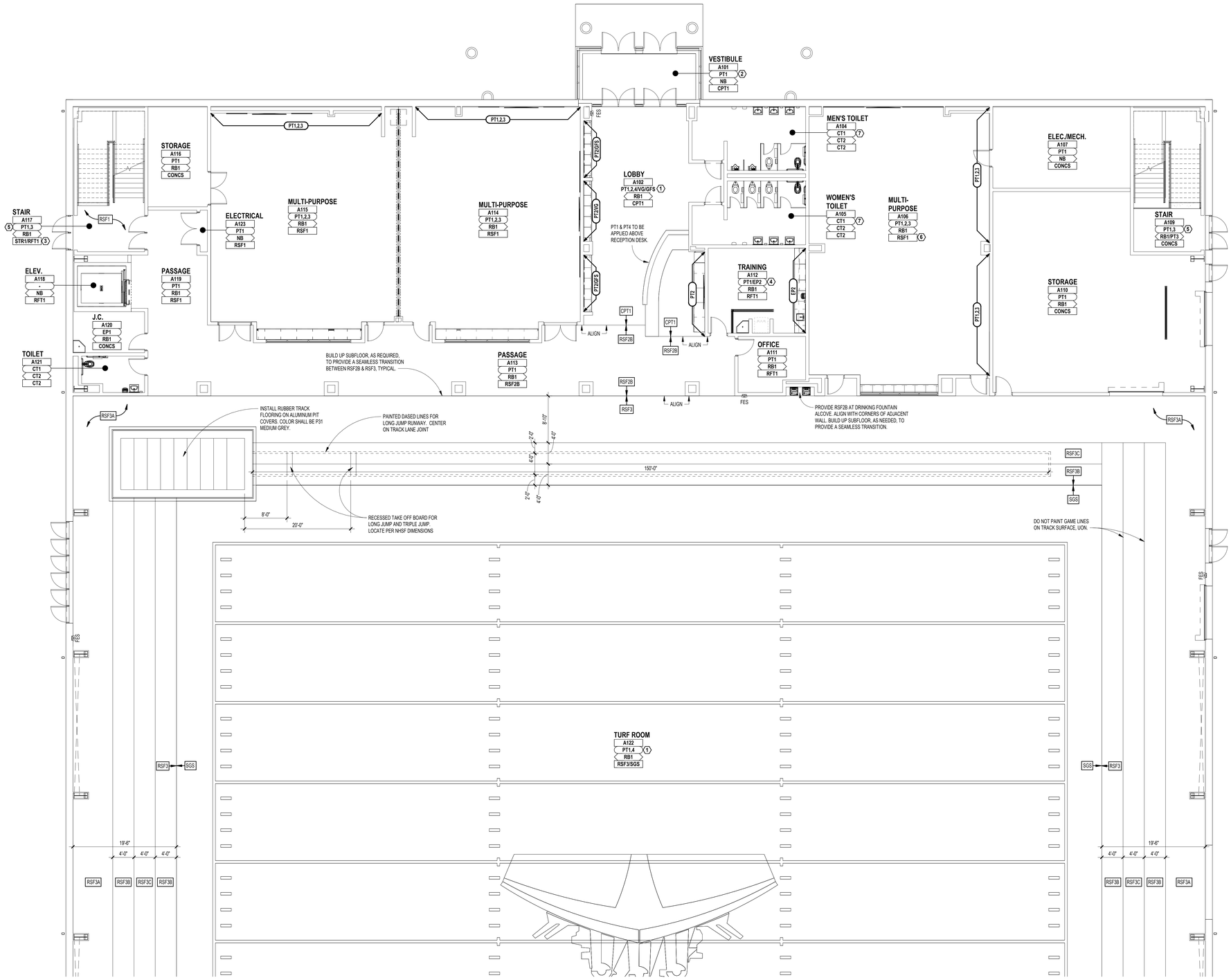
PROJECT NO.

25026E

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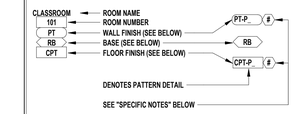
FINISH LEGEND

ROOM FINISH TAGS

ROOM NAME AND NUMBER PLUS GENERAL ROOM FINISH INFORMATION. FINISH TAGS SHALL APPLY TO ALL LIKE MATERIALS WITHIN A ROOM (UON)

FINISH LEGEND

FINISH LEGEND IS GENERAL SEE SPECIFICATIONS FOR SPECIFIC FINISH INFORMATION. MULTIPLE FINISH TYPES ARE DENOTED BY NUMBER FOLLOWING ABBREVIATION.



WALL FINISH ABBREVIATIONS

CT	CERAMIC TILE
EP	EPOXY PAINT
EX	EXISTING (NO NEW FINISH)
GFS	GRAPHIC FRAME SYSTEM
PT	PAINT
VG	VINYL GRAPHICS

BASE FINISH ABBREVIATIONS

CT	CERAMIC TILE
NB	NO BASE, WALL FINISH EXTENDS TO FLOOR
RB	RESILIENT BASE

FLOOR FINISH ABBREVIATIONS

CONCS	CONCRETE - WITH APPLIED SURFACE SEALER
CPT	CARPET TILE
CT	CERAMIC TILE
RFT	RESILIENT FLOOR TILE
RSF	RESILIENT SPORTS FLOOR
STR	INTEGRATED STAIR TREAD & RISER SYSTEM
SGS	SYNTHETIC GRASS SURFACING

GENERAL NOTES

1. REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES, HEIGHTS AND FINISH INFORMATION.
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3. REFER TO STRUCTURAL DRAWINGS FOR DEPRESSED SLAB LOCATIONS, INDICATIVE OF MUDSET BEDS AT CERAMIC TILE. SLOPE MUDSET TO DRAINS. REFER TO ARCHITECTURAL DRAWINGS FOR DRAIN ELEVATIONS AND LOCATIONS.
4. PROVIDE ANTI-FRACTURE MEMBRANE AT ALL THINSET CERAMIC TILE LOCATIONS, UNLESS OTHERWISE NOTED.
5. PROVIDE RESILIENT BASE AT TOE KICK OF ALL CASEWORK AND BEHIND ALL MOVABLE EQUIPMENT/APPLIANCES, WHEN SCHEDULED WITHIN A ROOM.
6. ALL WALL MOUNTED MECHANICAL EQUIPMENT (DIFFUSERS, GRILLES, ETC) AND ELECTRICAL EQUIPMENT (PANELS, ETC) SHALL BE PAINTED TO MATCH THE ADJACENT WALL COLOR. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR QUANTITIES AND LOCATIONS.
7. REFER TO SPEC, SECTION 012300 FOR COMPLETE LIST AND DESCRIPTION OF ALTERNATIVES.
8. PROVIDE APPROPRIATE TRANSITION STRIPS BETWEEN DISSIMILAR FLOORING MATERIALS AT VERTICAL AND/OR HORIZONTAL APPLICATIONS.
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11. FOR MORE INFORMATION REGARDING THRESHOLDS AT TILE INSTALLATIONS, SEE DOOR SCHEDULE SHEET.

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7. REFER TO A7.2/12 FOR TYPICAL TILE PATTERN

FIRST LEVEL FINISH PLAN - ZONE 'A'

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

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REGISTRATION SEAL

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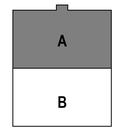
PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MICHIGAN

DRAWING TITLE

First Level Finish Plan - Zone 'A'



ISSUE DATES

DATE:	ISSUED FOR:
02-26-2026	D.R. - 2 CONSTRUCTION DOCUMENTS
02-12-2026	OWNER REVIEW
12-19-2025	DESIGN DEVELOPEMENT

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CHECKED	SW
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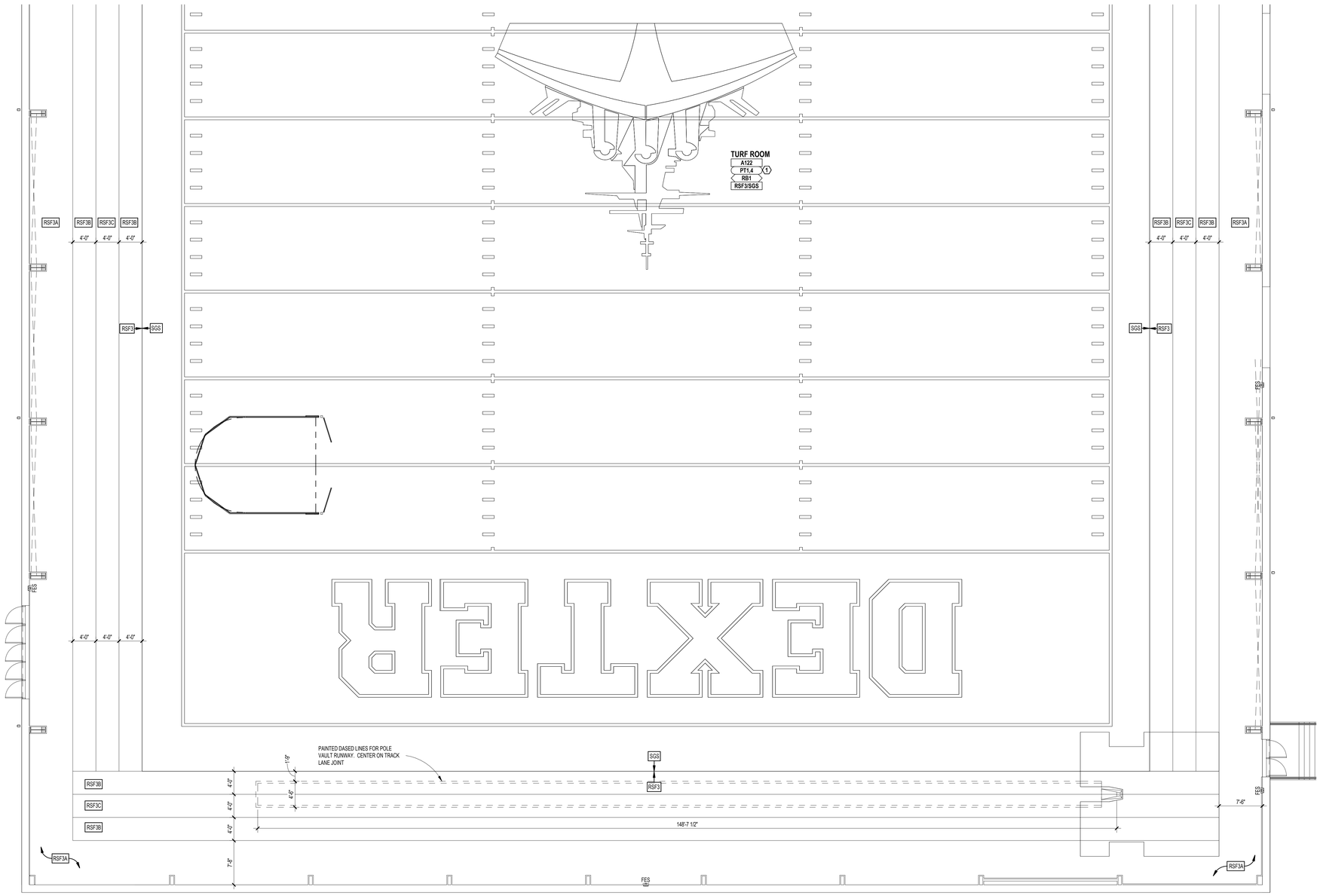
PROJECT NO.

25026E

DRAWING NO.

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FIRST LEVEL FINISH PLAN - ZONE 'B'

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

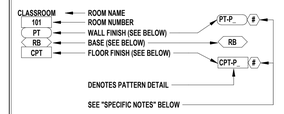
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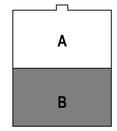
PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MICHIGAN

DRAWING TITLE

First Level Finish Plan - Zone 'B'



ISSUE DATES

DATE:	ISSUED FOR:
02-26-2026	D.R. - 2 CONSTRUCTION DOCUMENTS
02-12-2026	OWNER REVIEW
12-19-2025	DESIGN DEVELOPEMENT

DRAWN	ER
CHECKED	SW
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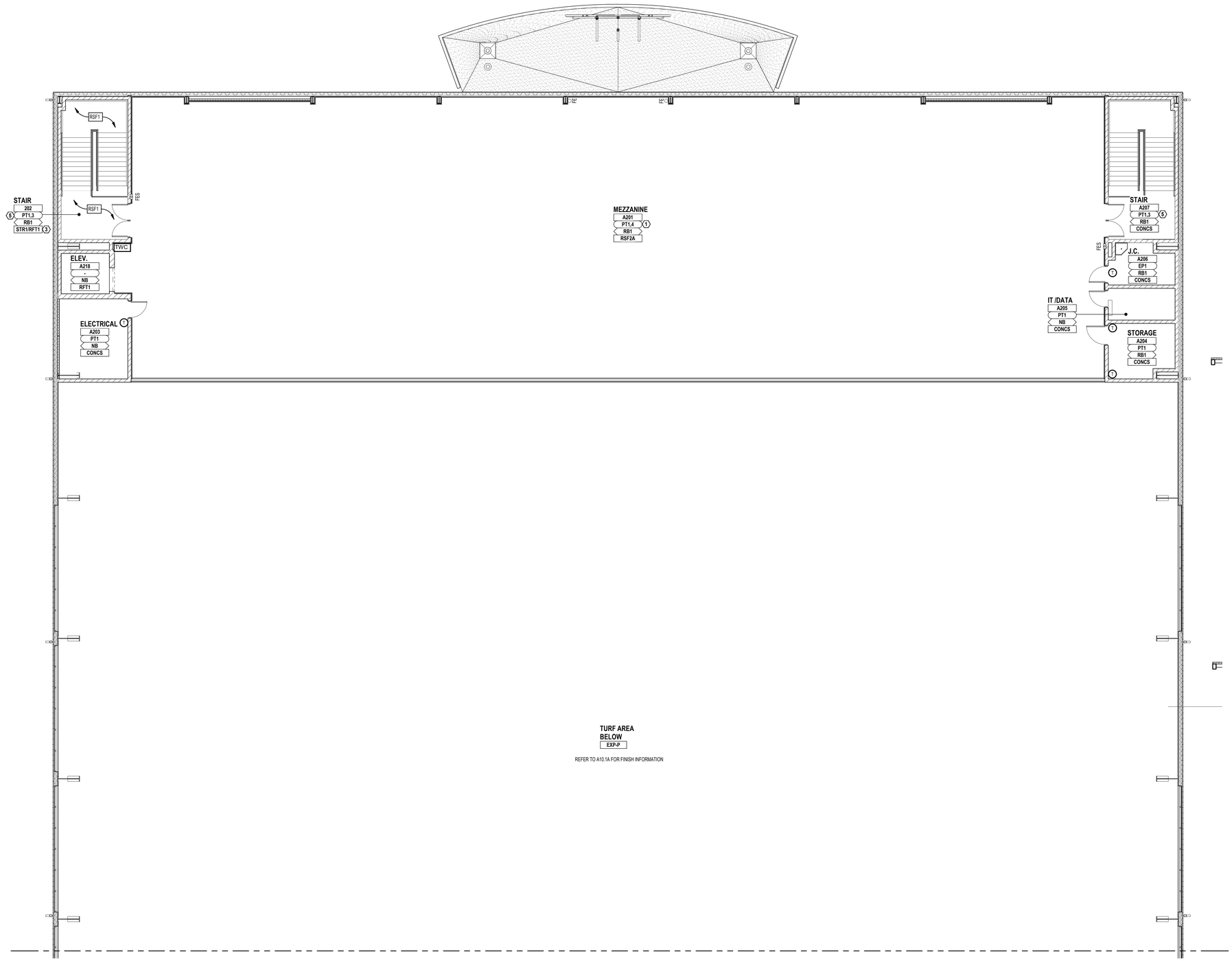
PROJECT NO.

25026E

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SECOND LEVEL FINISH PLAN - ZONE 'A'

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

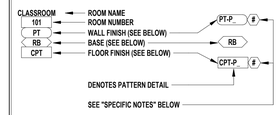
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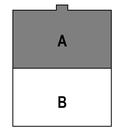
PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MICHIGAN

DRAWING TITLE

Second Level Finish Plan - Zone 'A'



ISSUE DATES

02-26-2026	D.R. - 2 CONSTRUCTION DOCUMENTS
02-12-2026	OWNER REVIEW
12-19-2025	DESIGN DEVELOPEMENT

DATE:	ISSUED FOR:
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APPROVED	DL

PROJECT NO.

25026E

DRAWING NO.

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MECHANICAL ABBREVIATION LIST

ABBREVIATION	DESCRIPTION
A	COMPRESSED AIR
A(__#)	COMPRESSED AIR (SPECIFIC PSIG)
AAV	AUTOMATIC AIR VENT
ACC	AIR COOLED CONDENSER
ACCU	AIR COOLED CONDENSER UNIT
AD	ACCESS DOOR
AD	AREA DRAIN
AE	AIR EXTRACTOR
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
AMP	AMPERE
APD	AIR PRESSURE DROP
AR	ARGON
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR-CONDITIONING ENGINEERS
ASR	AUTOMATIC SPRINKLER RISER
ATD	AIR TRANSFER DUCT
AUX	AUXILIARY
AV	ACID VENT
AVTR	ACID VENT THROUGH ROOF
AW	ACID WASTE
BAS	BUILDING AUTOMATION SYSTEM
BCU	BLOWER COIL UNIT
BDD	BACK DRAFT DAMPER
BFF	BELOW FINISHED FLOOR
BFP	BACKFLOW PREVENTER
BHP	BRAKE HORSEPOWER
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
BVC	BEVERAGE CONDUIT
BWV	BACKWATER VALVE
C	COMMON
CAP	CAPACITY
CAV	CONSTANT AIR VOLUME
CB	CATCH BASIN
CC	COOLING COIL
CD	COLD DECK
CD	CONDENSATE DRAIN
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CH	CHILLER
CHW	CHILLED WATER
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CLG	COOLING
CNDS	CONDENSATE
CNDS (__#)	CONDENSATE (SPECIFIC PSIG)
CO	CLEAN OUT
CO2	CARBON DIOXIDE
CONT	CONTINUATION OR CONTINUED
CONTR	CONTRACTOR
CONV	CONVECTOR
COP	COEFFICIENT OF PERFORMANCE
CP	CIRCULATING PUMP
CRU	CONDENSATE RETURN UNIT
CSS	CLINICAL SERVICE SINK
CT	COOLING TOWER
CUH	CABINET UNIT HEATER
CW	DOMESTIC COLD WATER
CWF	DOMESTIC COLD WATER - FILTERED
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
D&T	DRIP AND TRAP
DA	DISCHARGE AIR
DAT	DISCHARGE AIR TEMPERATURE
DB	DRY BULB
DDC	DIRECT DIGITAL CONTROL
DEG	DEGREE
DFU	DRAINAGE FIXTURE UNITS
DIA	DIAMETER
DIR	DEIONIZED RETURN
DIS	DEIONIZED SUPPLY
DMPR	DAMPER
DN	DAY/NIGHT
DN	DOWN
DNZ	DOWNSPOUT NOZZLE
DS	DUCT SILENCER
DT	DRAIN TILE
DTC	DRAIN TILE CONNECTION
DWH	DOMESTIC WATER HEATER
DWG	DRAWING
(E)	EXISTING
E	EXHAUST GRILLE OR REGISTER
EA	EACH
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EC	EXPANSION COMPENSATOR
ECM	ELECTRONICALLY COMMUTATED MOTOR
ECUH	ELECTRIC CABINET UNIT HEATER
EDB	ENTERING DRY BULB
EER	ENERGY EFFICIENCY RATIO
EES	EMERGENCY EYE WASH / SHOWER
EEW	EMERGENCY EYE WASH
EF	EXHAUST FAN
EFF	EFFICIENCY
EHC	ELECTRIC HEATING COIL
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
EMS	ENERGY MANAGEMENT SYSTEM
ERL	ENERGY RECOVERY LOOP
ERLR	ENERGY RECOVERY LOOP RETURN
ERLS	ENERGY RECOVERY LOOP SUPPLY
ERU	ENERGY RECOVERY UNIT
ESH	EMERGENCY SHOWER
ESP	EXTERNAL STATIC PRESSURE
EUH	ELECTRIC UNIT HEATER
EWB	ENTERING WET BULB
EWC	ELECTRIC WATER COOLER
EWT	ENTERING WATER TEMPERATURE
EXH	EXHAUST
F	FIRE PROTECTION
°F	DEGREES FAHRENHEIT
F&B	FACE AND BYPASS
F&T	FLOAT AND THERMOSTATIC
FA	FACE AREA
FCU	FAN COIL UNIT
FD	FLOOR DRAIN
FFD	FUNNEL FLOOR DRAIN
FGR	FUEL GAS RETURN
FGS	FUEL GAS SUPPLY
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FHR	FIRE HOSE RACK
FHV	FIRE HOSE VALVE
FLA	FULL LOAD AMPS
FLR	FLOOR
FM	FLOW METER
FMS	FLOW MEASURING STATION
FOB	FLAT ON BOTTOM
FOT	FLAT ON TOP
FPM	FEET PER MINUTE
FP	FIRE PUMP
FPTU	FAN POWERED (AIR) TERMINAL UNIT
FS	FLOOR SINK
FSEC	FOOD SERVICE EQUIPMENT CONTRACTOR
FT	FEET
FTR	FINNED TUBE RADIATION
FV	FACE VELOCITY
G	NATURAL GAS
GA	GAUGE
GAL	GALLON
GRH	GRAVITY RELIEF HOOD
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GSAN	GREASE SANITARY WASTE
H	HYDROGEN
HB	HOSE BIBB
HC	HEATING COIL
HD	HOT DECK
HEPA	HIGH EFFICIENCY PARTICULATE ARRESTANCE
HL	HIGH LIMIT
HOA	HAND/OFF/AUTO
HP	HEAT PUMP
HP	HORSEPOWER
HPCW	HIGH PRESSURE DOMESTIC COLD WATER
HPHW	HIGH PRESSURE DOMESTIC HOT WATER
HPHWR	HIGH PRESSURE DOMESTIC HOT WATER RETURN
HPL	HEAT PUMP LOOP
HPLR	HEAT PUMP LOOP RETURN
HPLS	HEAT PUMP LOOP SUPPLY
HR	HOUR
HTG	HEATING
HV	HEATING VENTILATING
HVAC	HEATING, VENTILATING, AIR CONDITIONING
HWH	HOT WATER HEATING
HWHR	HOT WATER HEATING RETURN
HWHS	HOT WATER HEATING SUPPLY
HW	DOMESTIC HOT WATER
HW(__)	DOMESTIC HOT WATER (SPECIFIC TEMP °F)
HWR	DOMESTIC HOT WATER RETURN
HWR(__)	DOMESTIC HOT WATER (SPECIFIC TEMP °F)
HX	HEAT EXCHANGER
HZ	HERTZ
IAQ	INDOOR AIR QUALITY
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IH	INTAKE HOOD
IN	INCHES
IR	INFRARED HEATER
IW	INDIRECT WASTE
JC	JANITOR'S CLOSET
JP	JOCKEY PUMP
KA	THOUSAND AMP
KW	KILOWATT
KWH	KILOWATT-HOUR
LAT	LEAVING AIR TEMPERATURE
LAB	LABORATORY
LAV	LAVATORY
LBS	POUNDS
LDB	LEAVING DRY BULB
LL	LOW LIMIT
LPC	LOW PRESSURE CONDENSATE
LPS	LOW PRESSURE STEAM
LRA	LOCKED ROTOR AMPS
LWB	LEAVING WET BULB
LWT	LEAVING WATER TEMPERATURE
MA	MIXED AIR
MAT	MIXED AIR TEMPERATURE
MAU	MAKE-UP AIR UNIT
MAX	MAXIMUM
MBH	THOUSAND BRITISH THERMAL UNITS PER HOUR
MCA	MINIMUM CIRCUIT AMPACITY
MCC	MOTOR CONTROL CENTER
MECH	MECHANICAL
MEZZ	MEZZANINE
MFR	MANUFACTURER
MH	MANHOLE
MIL	1/1000th INCH
MIN	MINIMUM
MISC	MISCELLANEOUS
MMBH	MILLION BRITISH THERMAL UNITS PER HOUR
MOP	MAXIMUM OVERCURRENT PROTECTION
MS	MOTOR STARTER
MTD	MOUNTED
MTR	MOTOR
MV	MANUAL AIR VENT
MVAC	MEDICAL VACUUM
N	NITROGEN
N2O	NITROUS OXIDE
NC	NOISE CRITERIA
NC	NORMALLY CLOSED
NCTC	NORMALLY CLOSED TIMED CLOSED
NCTO	NORMALLY CLOSED TIMED OPEN
NFPA	NATIONAL FIRE PROTECTION AGENCY
NOTC	NORMALLY OPEN TIMED CLOSED
NOTO	NORMALLY OPEN TIMED OPEN
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NOM	NOMINAL
NPCW	NON POTABLE COLD WATER
NPHW	NON POTABLE HOTE WATER
O	OXYGEN
OA	OUTSIDE AIR
OAT	OUTSIDE AIR TEMPERATURE
OB	OUTLET BOX
OBD	OPPOSED BLADE DAMPER
OC	ON CENTER/CENTER TO CENTER
OD	OUTSIDE DIAMETER
OED	OPEN ENDED DUCT
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OL	OVERLOAD
ORC	OVERFLOW RAIN CONDUCTOR
ORD	OVERFLOW ROOF DRAIN
OS&Y	OUTSIDE SCREW AND YOKE
OV	OUTLET VELOCITY
OWS	OPERATOR WORKSTATION
PACU	PACKAGED AIR CONDITIONING UNIT
PBD	PARALLEL BLADE DAMPER
PC	PUMPED CONDENSATE
PCW	PROCESS COOLING WATER
PCWR	PROCESS COOLING WATER RETURN
PCWS	PROCESS COOLING WATER SUPPLY
PD	PRESSURE DROP (FEET OF WATER)
PH	PERIMETER HEAT
PHR	PERIMETER HEAT RETURN
PHS	PERIMETER HEAT SUPPLY
PNL	PANEL
PPM	PARTS PER MILLION
PRESS	PRESSURE
PRV	PRESSURE REDUCING VALVE
PSAN	PUMPED SANITARY
PSI	POUNDS PER SQUARE INCH
PSIA	POUNDS PER SQUARE INCH - ABSOLUTE
PSIG	POUNDS PER SQUARE INCH - GAUGE
PST	PUMPED STORM
(R)	RELOCATED
R	RETURN GRILLE OR REGISTER
RA	RETURN AIR
RAT	RETURN AIR TEMPERATURE
RC	RAIN CONDUCTOR
RCP	RADIANT CEILING PANEL
RD	ROOF DRAIN
REQD	REQUIRED
REF	ROOF EXHAUST FAN
RF	RETURN FAN
RH	RELATIVE HUMIDITY
RL	REFRIGERANT LIQUID
RLFA	RELIEF AIR
ROR	REVERSE OSMOSIS RETURN
ROS	REVERSE OSMOSIS SUPPLY
RPM	REVOLUTIONS PER MINUTE
RPDA	REDUCED PRESSURE BACKFLOW DETECTION ASSY
RPZA	REDUCED PRESSURE BACKFLOW ZONE ASSY
RS	REFRIGERANT SUCTION
RTU	ROOFTOP UNIT
S	SUPPLY AIR DIFFUSER OR GRILLE
SA	SOUND ATTENUATOR
SA	SUPPLY AIR
SAN	SANITARY WASTE
SAT	SUPPLY AIR TEMPERATURE
SCCA	SHORT CIRCUIT CURRENT RATING
SECT	SECTION
SF	SUPPLY FAN
SH	SHOWER
SK	SINK
SMR	SNOW MELT RETURN
SMS	SNOW MELT SUPPLY
SP	STATIC PRESSURE
SPEC	SPECIFICATION
SPKLR	SPRINKLER
SQFT	SQUARE FOOT/SQUARE FEET
S/S	START/STOP
SS	SERVICE SINK
ST	STORM
STD	STANDARD
STK	STACK
STM	STEAM
STM(__#)	STEAM (SPECIFIC PSIG)
S/W	SUMMER/WINTER
SW	SWITCH
T	TRANSFER GRILLE
TC	TEMPERATURE CONTROL
TC	TEMPERING COIL
TCP	TEMPERATURE CONTROL PANEL
TD	TRENCH DRAIN
TEMP	TEMPERATURE
TEMP	TEMPORARY
TH	TERMINAL HEATING
THA	TOTAL HEAT ABSORBED
THR	TERMINAL HEATING RETURN
THR	TOTAL HEAT REJECTED
THS	TERMINAL HEATING SUPPLY
TK	TANK
TMR	TIMER SWITCH
TPD	TEPID WATER
TSP	TOTAL STATIC PRESSURE
TU	(AIR) TERMINAL UNIT
TV	TURNING VANES
TW	TEMPERED WATER
TYP	TYPICAL
UH	UNIT HEATER
UL	UNDERWRITER'S LABORATORY
UON	UNLESS OTHERWISE NOTED
UR	URINAL
UV	UNIT VENTILATOR
V	VALVE
V	VENT
VAC	VACUUM
VAV	VARIABLE AIR VOLUME
VB	VACUUM BREAKER
VD	VOLUME DAMPER (MANUALLY ADJUSTABLE)
VOL	VOLUME
VFC	VARIABLE FREQUENCY CONTROLLER
VTR	VENT THROUGH ROOF
VTU	VENTURI TERMINAL UNIT
VUV	VERTICAL UNIT VENTILATOR
W	WASTE
W&V	WASTE AND VENT
WAGD	WASTE ANESTHETIC GAS DISPOSAL
WB	WET BULB
WC	WATER CLOSET
WC	WATER COLUMN
WG	WATER GAUGE
WH	WALL HYDRANT
WMSD	WASHING MACHINE SUPPLY AND DRAIN BOX
WPD	WATER PRESSURE DROP
WT	WEIGHT
XFMR	TRANSFORMER
ZVB	ZONE VALVE BOX

TEMPERATURE CONTROL - PARTIAL SYMBOLS LIST

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
CO2	CARBON DIOXIDE SENSOR	OS	OCCUPANCY SENSOR
CO	CARBON MONOXIDE SENSOR	PT	PRESSURE TRANSMITTER
DPT	DIFFERENTIAL PRESSURE TRANSMITTER	SP	STATIC PRESSURE SENSOR OR PROBE
FM	FLOW METER		VALVE - 2 WAY CONTROL VALVE
	GUARD FOR STAT OR SENSOR		VALVE - 3 WAY CONTROL VALVE
H	HUMIDISTAT OR HUMIDITY SENSOR (AS DEFINED ON TC DRAWINGS)	T	THERMOSTAT OR TEMPERATURE SENSOR (AS DEFINED ON TC DRAWINGS)

NOTE: LIST OF ADDITIONAL SYMBOLS & ABBREVIATIONS ASSOCIATED WITH TEMPERATURE CONTROLS ARE IDENTIFIED ON TC DRAWINGS.

MECHANICAL SYMBOL LIST

PIPING SYMBOLS

SYMBOL	DESCRIPTION
AV	AIR VENT - AUTOMATIC
MV	AIR VENT - MANUAL
BFP	BACKFLOW PREVENTER
	CATCH BASIN
	CIRCULATING PUMP
CO	CLEAN OUT - IN FLOOR
CO	CLEAN OUT - FLANGE
	DIRECTION OF FLOW
	DIRECTION OF PITCH - DOWN
	FINNED TUBE RADIATION
	FIRE PROTECTION - SIAMESE CONNECTION - FREE STANDING
	FIRE PROTECTION - SIAMESE CONNECTION - WALL MOUNTED
	FIRE PROTECTION - SPRINKLER HEAD, CONCEALED
	FIRE PROTECTION - SPRINKLER HEAD, PENDANT
	FIRE PROTECTION - SPRINKLER HEAD, UPRIGHT
	FIRE PROTECTION - SPRINKLER HEAD, SIDEWALL
	FLOOR DRAIN
	FLOOR DRAIN - ELEVATION
	FLOOR DRAIN - FUNNEL
	FLOOR DRAIN - FUNNEL, ELEVATION
FS	FLOW MEASURING DEVICE (FOR TEST AND BALANCING)
FM	FLOW SWITCH
HB	FLOW METER
MH	HOSE BIBB
	MANHOLE
	OPEN SITE DRAIN
	PIPE - ANCHOR
	PIPE - CAP OR PLUG
	PIPE - ELBOW DOWN
	PIPE - ELBOW UP
	PIPE - EXPANSION JOINT OR COMPENSATOR
	PIPE - FLANGE
	PIPE - HOSE AND BRAID FLEXIBLE CONNECTION
	PIPE - RUBBER FLEXIBLE CONNECTION
	PIPE - GUIDE
	PIPE - TEE DOWN
	PIPE - TEE UP
	PIPE - UNION
P/T	PRESSURE AND TEMPERATURE TEST PLUG
	PRESSURE GAUGE AND COCK
	REDUCER - CONCENTRIC
	REDUCER - ECCENTRIC
	ROOF/OVERFLOW DRAIN
	STEAM TRAP - FLOAT AND THERMOSTATIC
	STRAINER
	STRAINER WITH VALVE AND BLOW-OFF
	THERMOMETER
	TRAP
	VALVE - ANGLE
	VALVE - BALL
0.5	VALVE - BALANCE (i.e. BALANCE VALVE TO 0.5 GPM)
0.5	VALVE - COMBINATION BALANCE & FLOW MEASURING (i.e. BALANCE VALVE TO 0.5 GPM)
	VALVE - BUTTERFLY
	VALVE - CHECK
	VALVE - SPRING CHECK
	VALVE - GAS (MANUAL)
	VALVE - GLOBE
	VALVE - ISOLATION
	VALVE - NEEDLE
	VALVE - OS&Y
	VALVE - PLUG
	VALVE - PRESSURE REGULATING
	VALVE - PRESSURE REDUCING
	VALVE - PRESSURE RELIEF
	VALVE - PRESSURE & TEMPERATURE RELIEF
VTR	VENT THROUGH ROOF
WH	WALL HYDRANT
WM	WATER METER
GM	GAS METER

DOUBLE LINE PIPING SYMBOLS

SYMBOL	DESCRIPTION
	FLANGE
	FLEX CONNECTION
	STRAINER - BASKET
	STRAINER - Y TYPE
	VALVE - 2 WAY CONTROL
	VALVE - 3 WAY CONTROL
	VALVE - BUTTERFLY
	VALVE - CHECK
	VALVE - DETECTOR CHECK
	VALVE - OS&Y HORIZONTAL STEM
	VALVE - OS&Y VERTICAL STEM

DUCTWORK SYMBOLS

SYMBOL	DESCRIPTION
TU-101	AIR TERMINAL UNIT
TU-101	AIR TERMINAL UNIT WITH HEATING COIL
VTU-101	VENTURI AIR TERMINAL UNIT
VTU-101	VENTURI AIR TERMINAL UNIT WITH HEATING COIL
	DAMPER - HORIZONTAL FIRE (EXISTING, NEW)
	DAMPER - HORIZONTAL FIRE / SMOKE (EXISTING, NEW)
	DAMPER - SMOKE (EXISTING, NEW)
	DAMPER - VERTICAL FIRE (EXISTING, NEW)
	DAMPER - VERTICAL FIRE / SMOKE (EXISTING, NEW)
BDD	DAMPER - BACK DRAFT
M	DAMPER - MOTORIZED
	DAMPER - VOLUME (MANUALLY ADJUSTABLE)
	DIFFUSER - BLANK OFF
	DIFFUSER - LINEAR SLOT
	DIFFUSER - SQUARE OR RECTANGULAR
	DUCT CROSS SECTION - SUPPLY
	DUCT CROSS SECTION - RETURN
	DUCT CROSS SECTION - EXHAUST
	DUCT - FLEXIBLE CONNECTION
	DUCT - FLEXIBLE DUCT
	DUCT TAKE-OFF - ROUND CONICAL
	DUCT TAKE-OFF - RECTANGULAR WITH SHOE TAP
	ELBOW - RECTANGULAR WITH TURNING VANES
	ELBOW - RECTANGULAR/ ROUND SMOOTH RADIUS
	ELBOW DOWN - RECTANGULAR
	ELBOW DOWN - ROUND
	ELBOW UP - RECTANGULAR
	ELBOW UP - ROUND
	FAN - AXIAL
	FAN - CENTRIFUGAL (ELEVATION)
VFC XX-#	VARIABLE FREQUENCY CONTROLLER SERVING EQUIPMENT XX-#
	HEATING COIL
	INCLINED DROP IN DIRECTION OF AIRFLOW
	INCLINED RISE IN DIRECTION OF AIRFLOW
	INTAKE OR RELIEF HOOD
	REGISTER - RETURN OR EXHAUST
	REGISTER - RETURN WITH BOOT
	REGISTER - TRANSFER GRILLE
	ROOF EXHAUST FAN
	TRANSITION - CONCENTRIC
	TRANSITION - ECCENTRIC
	UNIT HEATER - HORIZONTAL THROW
	UNIT HEATER - VERTICAL THROW

DOUBLE LINE DUCTWORK SYMBOLS

SYMBOL	DESCRIPTION
	DUCT TAKE-OFF - RECTANGULAR WITH SHOE TAP
	DUCT TAKE-OFF - ROUND CONICAL
	ELBOW - RECTANGULAR WITH TURNING VANES
	ELBOW - RECTANGULAR SHORT RADIUS WITH SPLITTER VANES
	ELBOW - ROUND
	ELBOW - RECTANGULAR SMOOTH RADIUS
	ELBOW DOWN - RECTANGULAR
	ELBOW DOWN - ROUND
	ELBOW UP - RECTANGULAR
	ELBOW UP - ROUND
	HEATING COIL
D	INCLINED DROP IN DIRECTION OF AIRFLOW
R	INCLINED RISE IN DIRECTION OF AIRFLOW
	TRANSITION - CONCENTRIC
	TRANSITION -ECCENTRIC

MECHANICAL DRAWING INDEX

SHEET NO.	SHEET TITLE
M0.1	MECHANICAL STANDARDS AND DRAWING INDEX
M1.1A	FIRST FLOOR FIRE PROTECTION PLAN - ZONE 'A'
M1.1B	FIRST FLOOR FIRE PROTECTION PLAN - ZONE 'B'
M1.2A	SECOND LEVEL FIRE PROTECTION PLAN - ZONE 'A'
M2.0A	FIRST LEVEL UNDERGROUND PLUMBING NEW WORK PLAN - ZONE 'A'
M2.0B	FIRST LEVEL UNDERGROUND PLUMBING NEW WORK PLAN - ZONE 'B'
M2.1A	FIRST LEVEL PLUMBING NEW WORK PLAN - ZONE 'A'
M2.1B	FIRST LEVEL PLUMBING NEW WORK PLAN - ZONE 'B'
M2.2A	SECOND LEVEL PLUMBING NEW WORK PLAN - ZONE 'A'
M4.1A	FIRST LEVEL SHEET METAL PLAN - ZONE 'A'
M4.1B	FIRST LEVEL SHEET METAL PLAN - ZONE 'B'
M4.2A	SECOND LEVEL SHEET METAL PLAN - ZONE 'A'
M6.1	MECHANICAL DETAILS
M6.2	MECHANICAL DETAILS
M6.3	MECHANICAL DETAILS
M7.1	MECHANICAL SCHEDULES
M7.2	MECHANICAL SCHEDULES
M7.3	MECHANICAL SCHEDULES
M8.1	TEMPERATURE CONTROLS
M8.2	TEMPERATURE CONTROLS
M8.3	TEMPERATURE CONTROLS
M8.4	TEMPERATURE CONTROLS

STANDARD METHODS OF NOTATION

S-1 10a 350-4	SUPPLY DIFFUSER WITH SCHEDULE TAG "1", 10" DIAMETER NECK SIZE 350 CFM TYPICAL FOR 4
R-1 22x22 640	RETURN REGISTER WITH SCHEDULE TAG "1", 22"x 22" NECK SIZE 640 CFM TYPICAL FOR 2 EXHAUST REGISTER E DESIGNATION SIMILAR.
TU-101	AIR TERMINAL UNIT WITH HEATING COIL NO. 101 WITH SERVICE CLEARANCE SHOWN
VTU-101	VENTURI AIR TERMINAL WITH HEATING COIL NO. 101 WITH SERVICE CLEARANCE SHOWN
(2)WC-1 FD-1	PLUMBING FIXTURE UNIT IDENTIFICATION TAG WATER CLOSET TYPE "1" TYPICAL FOR 2
8 8	PIPE DIAMETER NOTATION ALL SIZES IN INCHES
8a 22x10 18x14@	DUCT SIZE NOTATION ALL SIZES IN INCHES
	OVAL DUCT RECTANGULAR DUCT
1	CONSTRUCTION KEY NOTE (NUMBER) OR DEMOLITION KEY NOTE (LETTER)
EF-1 1	EQUIPMENT DESIGNATION, (i.e. EXHAUST FAN NUMBER 1)
HW-1	PIPING RISER DESIGNATION, (i.e. HOT WATER RISER NUMBER 1)
	NEW SYSTEM COMPONENT EXISTING SYSTEM COMPONENT TO REMAIN POINT OF NEW CONNECTION SYMBOL
1 M5.1	SECTION OR PLAN NUMBER SHEET WHERE SECTION IS DRAWN AREA OF ENLARGEMENT PLAN NUMBER SHEET WHERE ENLARGED PLAN IS DRAWN
1 M5.1 SECTION OR ENLARGED PLAN SCALE: 1/8" = 1'- 0"	SECTION OR PLAN NUMBER SHEET WHERE SECTION IS CUT OR ENLARGED PLAN IS REFERENCED
SHEET M1.0 SHEET M1.1	MATCHLINE
	HEAVY LINE WEIGHT INDICATES NEW WORK
	LIGHT LINE WEIGHT INDICATES EXISTING EQUIPMENT OR REFERENCED INFORMATION
	GRAY LINE INDICATES BACKGROUND INFORMATION
	DASHED LINES INDICATE PIPING ROUTED BELOW SLAB OR GRADE
	HATCH MARKS INDICATE EQUIPMENT OR MATERIALS TO BE DISCONNECTED AND REMOVED.

NOTE: SOME SYMBOLS AND ABBREVIATIONS SHOWN MAY NOT APPLY TO THIS PROJECT.

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PBA Project No.: 2025.0327

PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

MECHANICAL STANDARDS AND DRAWING INDEX

ISSUE DATES

DATE:	ISSUED FOR:
02-26-2026	D.R. 2 - CONSTRUCTION DOCUMENTS
02-12-2026	OWNER REVIEW
01-23-2026	90% CONSTRUCTION DOCUMENTS
12-19-2025	DESIGN DEVELOPMENT

DRAWN	KRD
CHECKED	KRD
APPROVED	SVM

PROJECT NO.

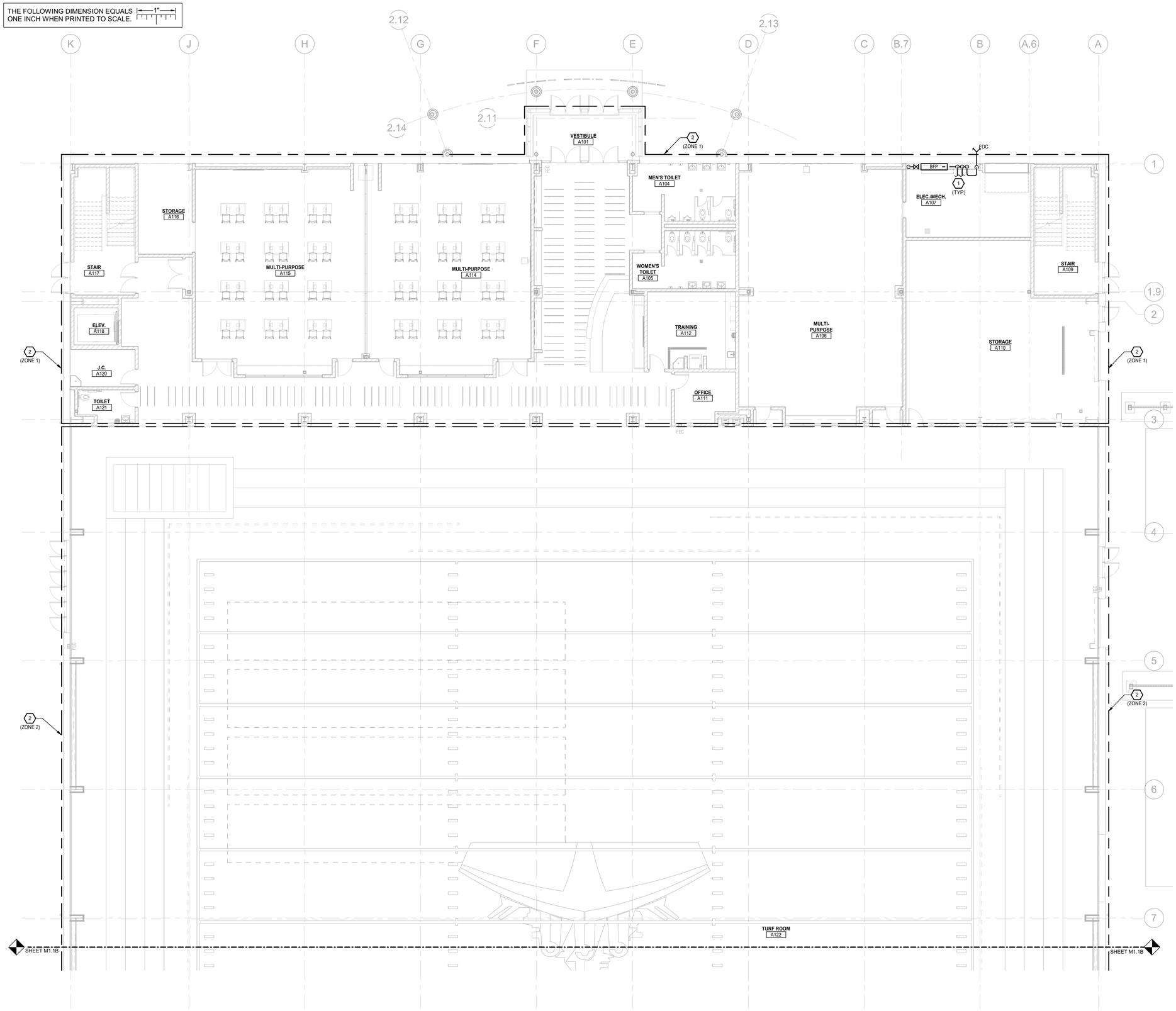
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DRAWING NO.

M0.1

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THE FOLLOWING DIMENSION EQUALS ONE INCH WHEN PRINTED TO SCALE. 1"



FIRE PROTECTION GENERAL NOTES:

1. THESE DRAWINGS ARE DIAGRAMMATIC, AND REPRESENT THE GENERAL INTENT AND ARRANGEMENT OF SYSTEMS. THEY ARE NOT TO BE CONSIDERED FABRICATION/COORDINATION/SHOP DRAWINGS. COORDINATION WITH OTHER TRADES IS REQUIRED. PROVIDE THE ADDITIONAL FITTINGS AND OFFSETS THAT WILL BE REQUIRED TO COMPLETE EACH SYSTEM AND TO AVOID INTERFERENCES WITH ALL OTHER SYSTEMS INCLUDING THE STRUCTURE, SHEET METAL, OTHER PIPING SYSTEMS, ELECTRICAL CONDUITS, BUS DUCTS, CABLE TRAY, LIGHT FIXTURES, ETC. AND/OR OTHER SPACE CONSTRAINTS.
2. INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
3. NO SPRINKLER PIPING SHALL BE ROUTED THROUGH ELECTRICAL EQUIPMENT ROOMS, TELECOMMUNICATION EQUIPMENT ROOMS, ELEVATOR EQUIPMENT ROOMS OR SIMILAR ROOMS. ONLY SPRINKLER PIPING SERVING SPRINKLERS HEADS IN THOSE ROOMS SHALL BE ALLOWED.
4. PIPING SHALL NOT BE INSTALLED ABOVE ELECTRICAL TRANSFORMERS, SWITCHBOARDS, PANELBOARDS OR MOTOR CONTROL CENTERS.
5. MINIMUM RUN-OUT PIPE SIZE TO SPRINKLER HEADS SHALL BE 1".
6. PROVIDE AN AUTOMATIC WET PIPE SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13 LIGHT HAZARD CLASSIFICATION. HYDRAULIC CALCULATIONS SHALL BE BASED ON DENSITY OF 0.10 GPM/SQ FT. OVER THE MOST REMOTE 1500 SQ. FT.
7. ACCORDING TO THE MOST RECENT FLOW TEST INFORMATION, THE STATIC PRESSURE AVAILABLE AT THE CITY WATER MAIN AT THE STREET IS <<<XX>>> PSIG. RESIDUAL PRESSURE WITH <<<XXX>>> GPM FLOWING IS <<<XX>>> PSIG. CONTRACTOR SHALL MAKE THEIR OWN PRESSURE AND FLOW TEST PRIOR TO SYSTEM DESIGN.
8. FIRE PROTECTION WATER SERVICE ENTRANCE PIPING SHALL BE BURIED WITH DEPTH OF COVER OVER TOP OF PIPE OF AT LEAST 72", OR WITH TOP OF PIPE AT LEAST 12" BELOW LEVEL OF MAXIMUM FROST PENETRATION, OR AS REQUIRED BY AUTHORITIES HAVING JURISDICTION, WHICHEVER IS DEEPEST.

CONSTRUCTION KEY NOTES:

1. FIRE PROTECTION LINE TO SPRINKLERS.
2. PROVIDE WET PIPE SPRINKLER SYSTEM PER NFPA 13 IN AREA INDICATED.

FIRST LEVEL FIRE PROTECTION PLAN - ZONE A

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

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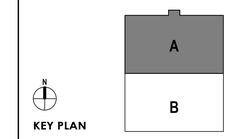
PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

FIRST FLOOR FIRE PROTECTION PLAN - ZONE 'A'



KEY PLAN

ISSUE DATES

DATE:	ISSUED FOR:
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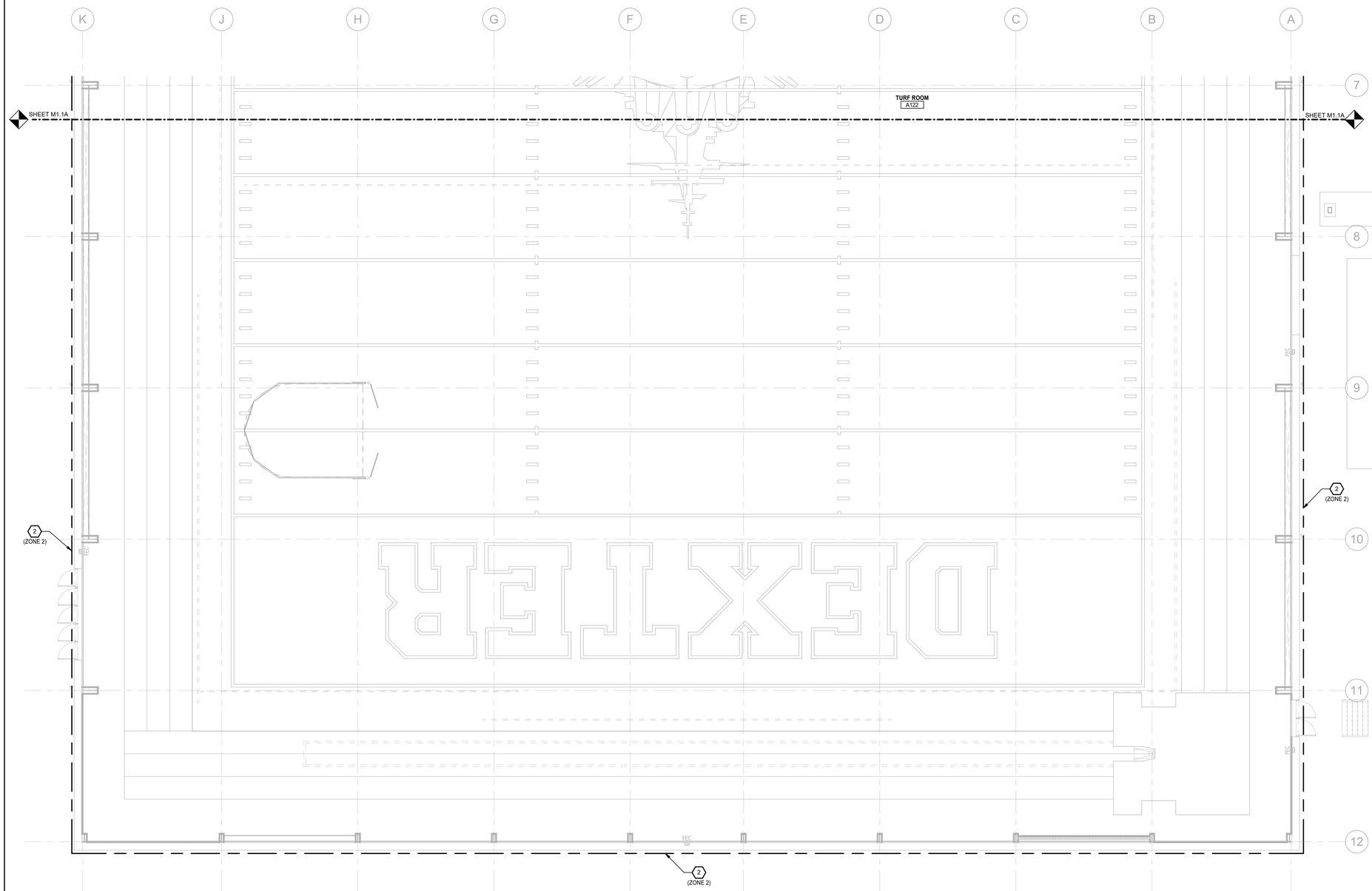
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PROJECT NO.
25026E

DRAWING NO.
M1.1A

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(#) CONSTRUCTION KEY NOTES:

1. FIRE PROTECTION LINE TO SPRINKLERS.
2. PROVIDE WET PIPE SPRINKLER SYSTEM PER NFPA 13 IN AREA INDICATED.

FIRST LEVEL FIRE PROTECTION PLAN - ZONE B

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

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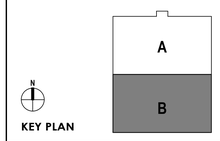
PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

FIRST FLOOR FIRE PROTECTION PLAN - ZONE 'B'



KEY PLAN

ISSUE DATES

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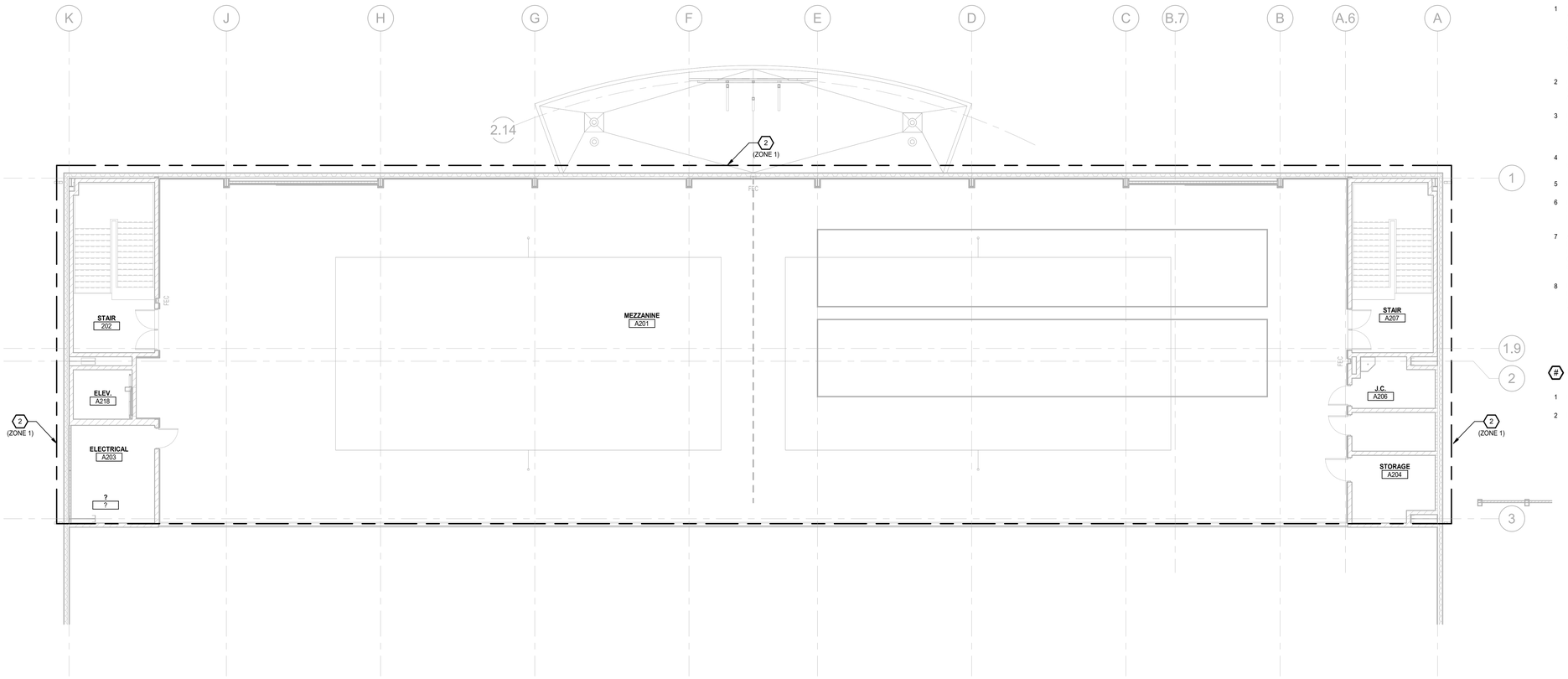
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SECOND LEVEL FIRE PROTECTION PLAN

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

FIRE PROTECTION GENERAL NOTES:

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2. INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
3. NO SPRINKLER PIPING SHALL BE ROUTED THROUGH ELECTRICAL EQUIPMENT ROOMS, TELECOMMUNICATION EQUIPMENT ROOMS, ELEVATOR EQUIPMENT ROOMS OR SIMILAR ROOMS. ONLY SPRINKLER PIPING SERVING SPRINKLERS HEADS IN THOSE ROOMS SHALL BE ALLOWED.
4. PIPING SHALL NOT BE INSTALLED ABOVE ELECTRICAL TRANSFORMERS, SWITCHBOARDS, PANELBOARDS OR MOTOR CONTROL CENTERS.
5. MINIMUM RUN-OUT PIPE SIZE TO SPRINKLER HEADS SHALL BE 1".
6. PROVIDE AN AUTOMATIC WET PIPE SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13 LIGHT HAZARD CLASSIFICATION. HYDRAULIC CALCULATIONS SHALL BE BASED ON DENSITY OF 0.10 GPM/SQ FT. OVER THE MOST REMOTE 1500 SQ. FT.
7. ACCORDING TO THE MOST RECENT FLOW TEST INFORMATION, THE STATIC PRESSURE AVAILABLE AT THE CITY WATER MAIN AT THE STREET IS <<<XX>>> PSIG. RESIDUAL PRESSURE WITH <<<XXX>>> GPM FLOWING IS <<<XX>>> PSIG. CONTRACTOR SHALL MAKE THEIR OWN PRESSURE AND FLOW TEST PRIOR TO SYSTEM DESIGN.
8. FIRE PROTECTION WATER SERVICE ENTRANCE PIPING SHALL BE BURIED WITH DEPTH OF COVER OVER TOP OF PIPE OF AT LEAST 72", OR WITH TOP OF PIPE AT LEAST 12" BELOW LEVEL OF MAXIMUM FROST PENETRATION, OR AS REQUIRED BY AUTHORITIES HAVING JURISDICTION, WHICHEVER IS DEEPEST.

(#) CONSTRUCTION KEY NOTES:

1. FIRE PROTECTION LINE TO SPRINKLERS.
2. PROVIDE WET PIPE SPRINKLER SYSTEM PER NFPA 13 IN AREA INDICATED.

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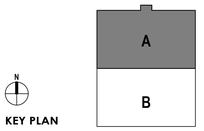
PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

SECOND LEVEL FIRE PROTECTION PLAN - ZONE 'A'



KEY PLAN

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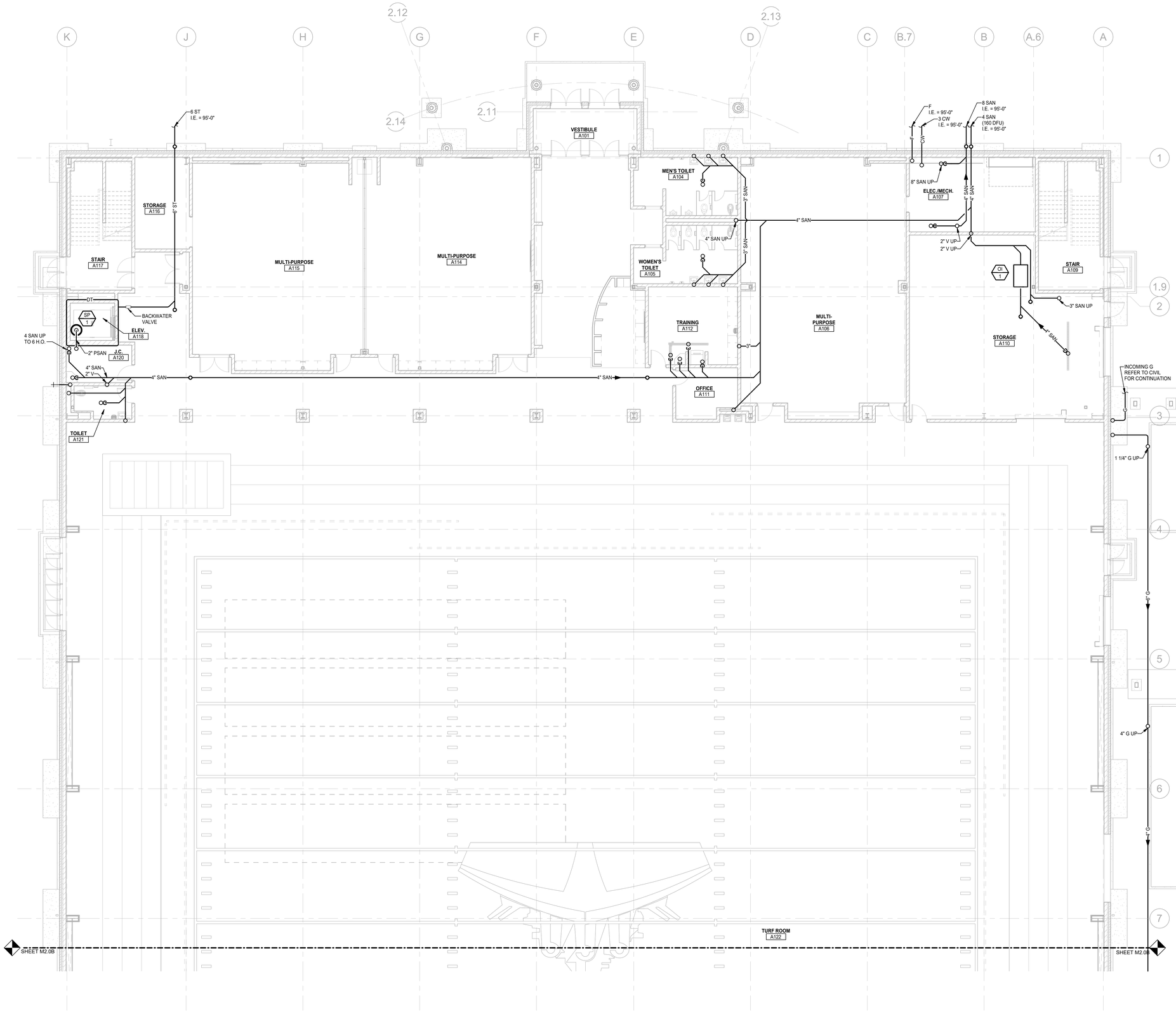
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PROJECT NO.
25026E

DRAWING NO.
M1.2A

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5. PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL SYSTEMS.
6. REFER TO ARCHITECTURAL PLANS FOR DIMENSIONED LOCATIONS OF PLUMBING FIXTURES.
7. HOT AND COLD WATER PIPING RUN-OUTS TO LAVATORIES AND SINKS SHALL BE 1/2" UNLESS OTHERWISE NOTED.
8. PLUMBING VENT PIPING THROUGH ROOF SHALL BE LOCATED A MINIMUM OF 10'-0" FROM ANY FRESH AIR INTAKE LOCATION AND A MINIMUM OF 18" CLEAR FROM THE INSIDE FACE OF PARAPET.
9. PROVIDE CODE REQUIRED CLEARANCE FOR ALL CLEANOUTS INSTALLED IN SANITARY WASTE AND VENT PIPING.
10. MINIMUM UNDERGROUND PIPE SIZE SHALL BE 3".
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FIRST LEVEL UNDERGROUND PLUMBING PLAN - ZONE A

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

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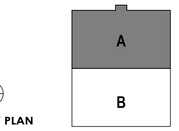
NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

FIRST LEVEL UNDERGROUND PLUMBING NEW WORK PLAN - ZONE 'A'

KEY PLAN



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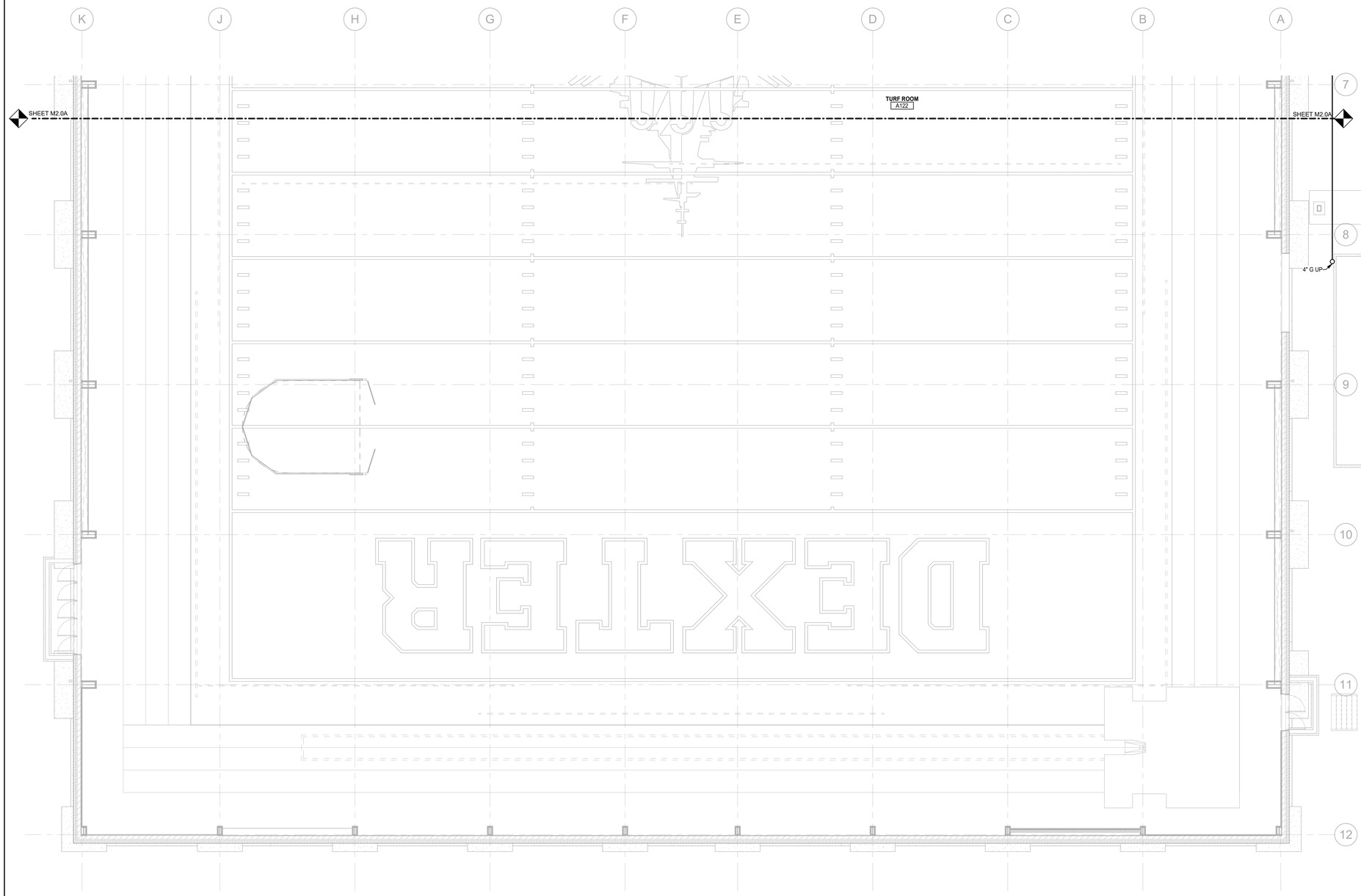
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FIRST LEVEL UNDERGROUND PLUMBING PLAN - ZONE B

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

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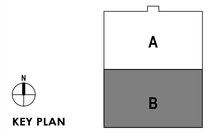
PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

FIRST LEVEL UNDERGROUND PLUMBING NEW WORK PLAN - ZONE 'B'



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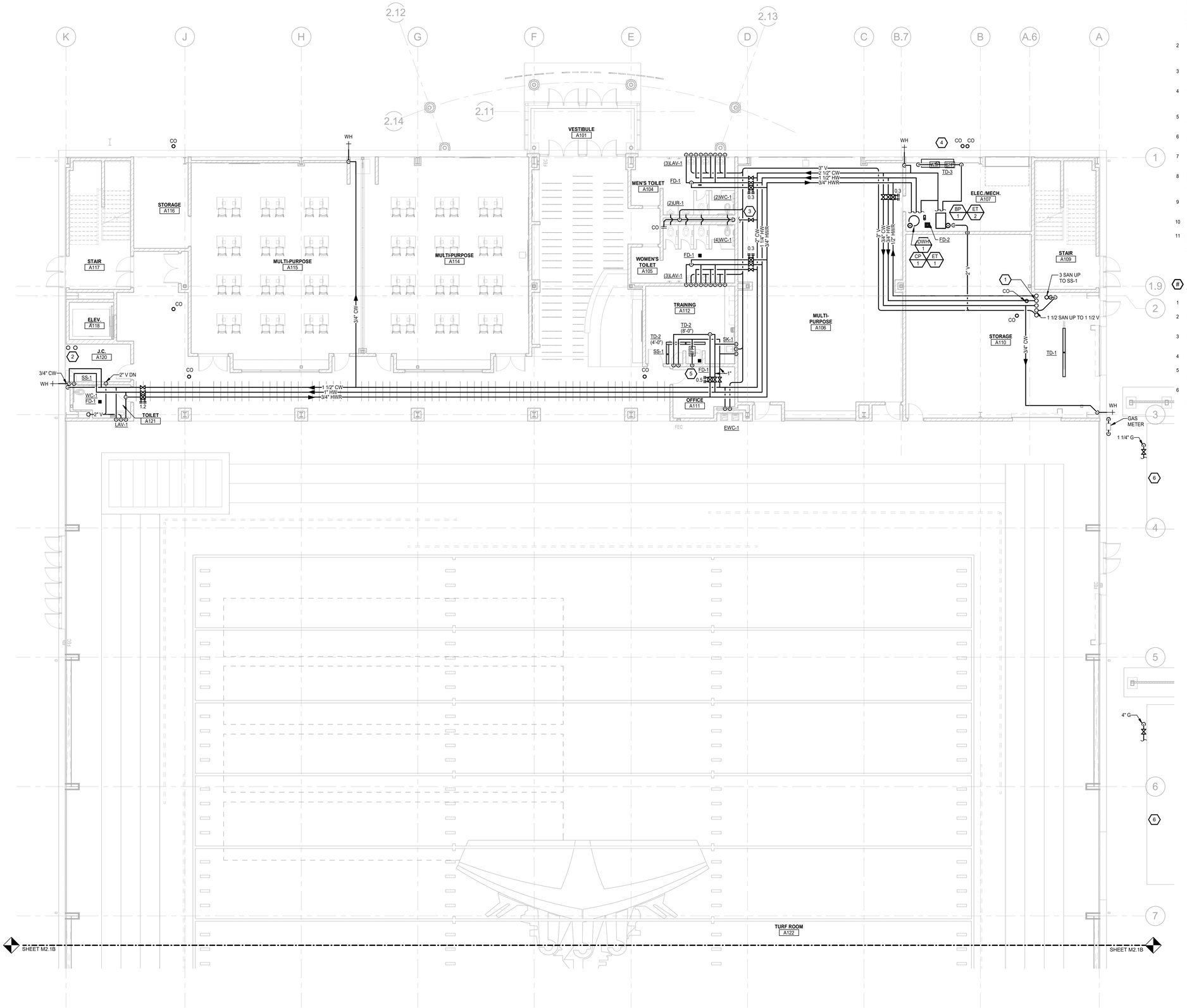
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FIRST LEVEL PLUMBING PLAN - ZONE A

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

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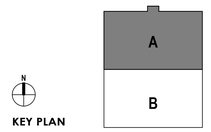
NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

FIRST LEVEL PLUMBING NEW WORK PLAN - ZONE 'A'

KEY PLAN



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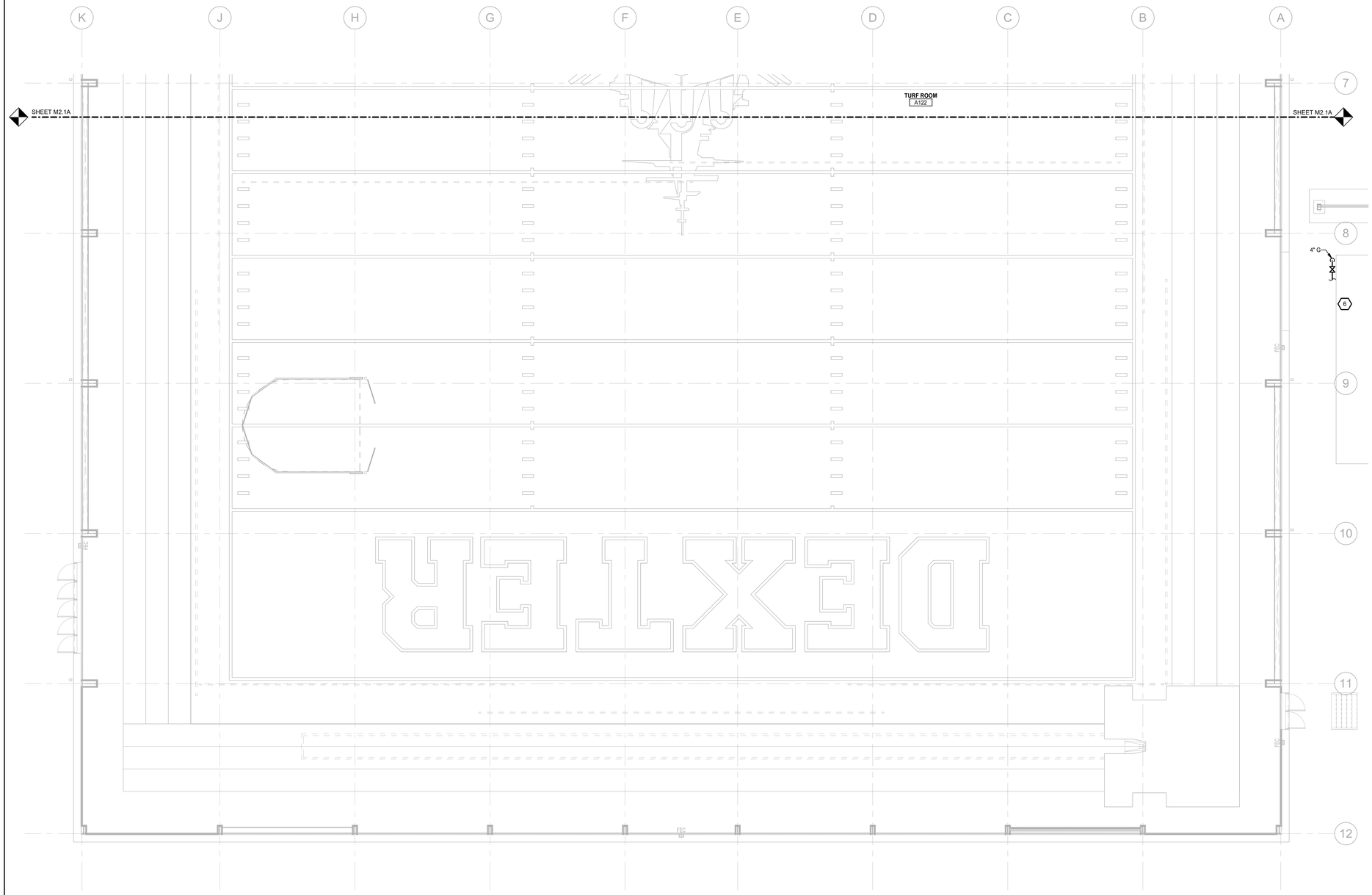
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FIRST LEVEL PLUMBING PLAN - ZONE B

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

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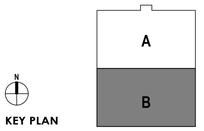
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DEXTER COMMUNITY SCHOOLS
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FIRST LEVEL PLUMBING NEW WORK PLAN - ZONE 'B'



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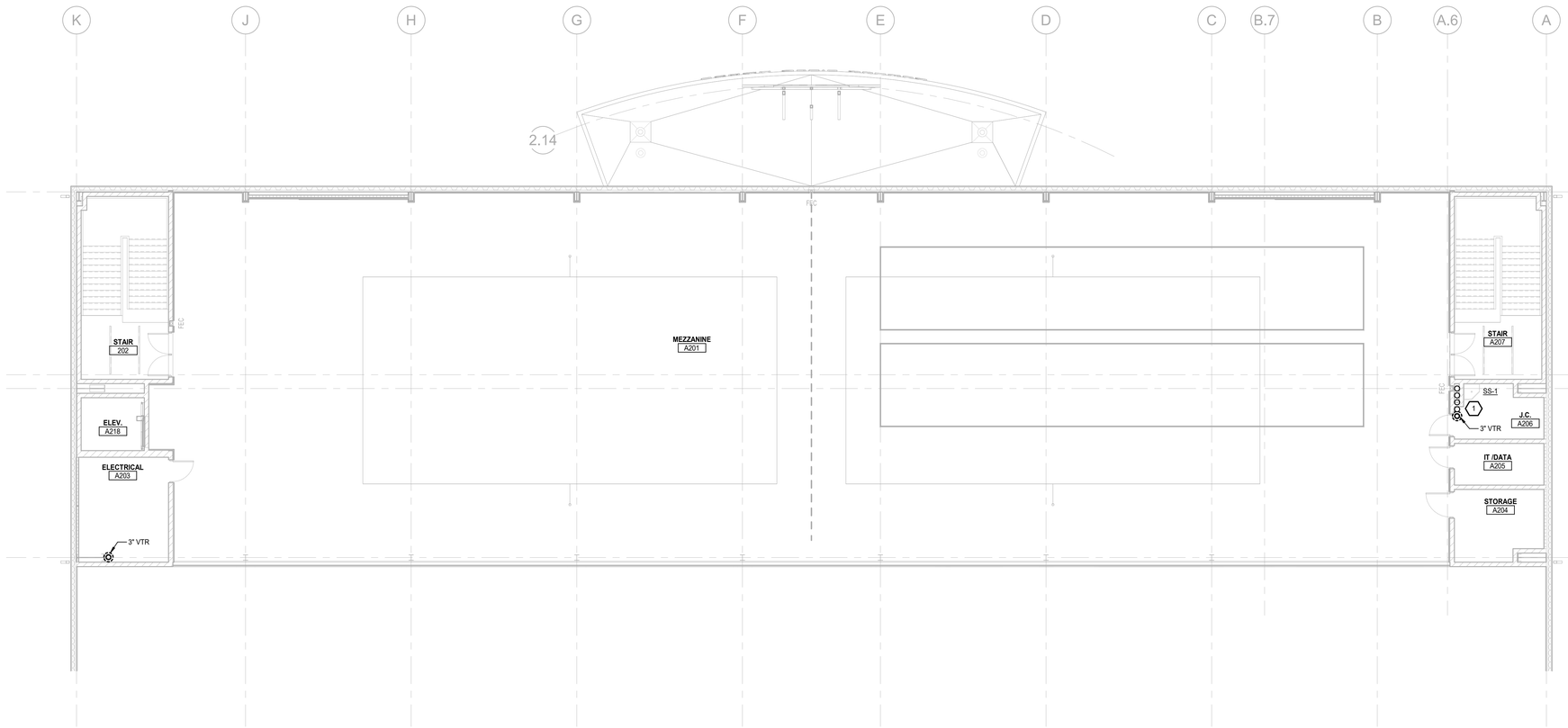
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PLUMBING GENERAL NOTES:

1 THESE DRAWINGS ARE DIAGRAMMATIC, AND REPRESENT THE GENERAL INTENT AND ARRANGEMENT OF SYSTEMS. THEY ARE NOT TO BE CONSIDERED FABRICATION/COORDINATION/SHOP DRAWINGS. COORDINATION WITH OTHER TRADES IS REQUIRED. PROVIDE THE ADDITIONAL FITTINGS AND OFFSETS THAT WILL BE REQUIRED TO COMPLETE EACH SYSTEM AND TO AVOID INTERFERENCES WITH ALL OTHER SYSTEMS INCLUDING THE STRUCTURE, SHEET METAL, OTHER PIPING SYSTEMS, ELECTRICAL CONDUITS, BUS DUCTS, CABLE TRAY, LIGHT FIXTURES, ETC. AND/OR OTHER SPACE CONSTRAINTS.

2 INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.

3 PIPING SHALL NOT BE INSTALLED ABOVE ELECTRICAL TRANSFORMERS, SWITCHBOARDS, PANELBOARDS OR MOTOR CONTROL CENTERS.

4 COORDINATE AND PROVIDE ACCESS DOORS WITHIN INACCESSIBLE CEILING, SHAFT, AND CHASE AREAS FOR ALL COMPONENTS WHICH REQUIRE SERVICE ACCESS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.

5 PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL SYSTEMS.

6 REFER TO ARCHITECTURAL PLANS FOR DIMENSIONED LOCATIONS OF PLUMBING FIXTURES.

7 HOT AND COLD WATER PIPING RUN-OUTS TO LAVATORIES AND SINKS SHALL BE 1/2" UNLESS OTHERWISE NOTED.

8 PLUMBING VENT PIPING THROUGH ROOF SHALL BE LOCATED A MINIMUM OF 10'-0" FROM ANY FRESH AIR INTAKE LOCATION AND A MINIMUM OF 18" CLEAR FROM THE INSIDE FACE OF PARAPET.

9 PROVIDE CODE REQUIRED CLEARANCE FOR ALL CLEANOUTS INSTALLED IN SANITARY WASTE AND VENT PIPING.

10 MINIMUM UNDERGROUND PIPE SIZE SHALL BE 3".

11 WATER SERVICE ENTRANCE PIPING SHALL BE BURIED WITH DEPTH OF COVER OVER TOP OF PIPE OF AT LEAST <<<72">>>, OR WITH TOP OF PIPE AT LEAST 12" BELOW LEVEL OF MAXIMUM FROST PENETRATION, OR AS REQUIRED BY AUTHORITIES HAVING JURISDICTION, WHICHEVER IS DEEPEST.

(#) CONSTRUCTION KEY NOTES:

1 3/4 CW AND 3/4 HW AND 1/2 HWR FROM BELOW TO SERVE SECOND FLOOR SS-1.

2 ROUTE 2 PSAN FROM UNDERGROUND AND SPILL INTO 6 HUB OUTLET APPROXIMATELY 36 INCHES AFF.

3 ROUTE 2 CW UNDIMINISHED IN SIZE TO FARTHEST FIXTURE. CONNECT FIXTURES TO 2 CW PER PLUMBING FIXTURE CONNECTION SCHEDULE.

4 STACK CW AND FP SERVICES ON WALL. REFER TO DETAIL.

5 ROUTE 1/2 CW THROUGH BACKFLOW PREVENTER TO SERVE ICE MACHINE. ROUTE I.W. FROM ICE MAKER AND BFP TO FLOOR DRAIN.

6 PROVIDE ELECTRIC HEAT TRACE ON ERU HEAT EXCHANGER CONDENSATE DRAIN(S) PIPING AND INSULATE. LOCATE HEAT TRACE CONTROLLER WITHIN ERU CONTROL SECTION.

SECOND LEVEL PLUMBING PLAN

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

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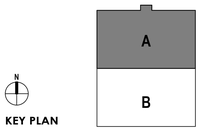
PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

SECOND LEVEL PLUMBING NEW WORK PLAN - ZONE 'A'



KEY PLAN

ISSUE DATES

DATE:	ISSUED FOR:
02-26-2026	D.R. 2 - CONSTRUCTION DOCUMENTS
02-12-2026	OWNER REVIEW
01-23-2026	90% CONSTRUCTION DOCUMENTS
12-19-2025	DESIGN DEVELOPMENT

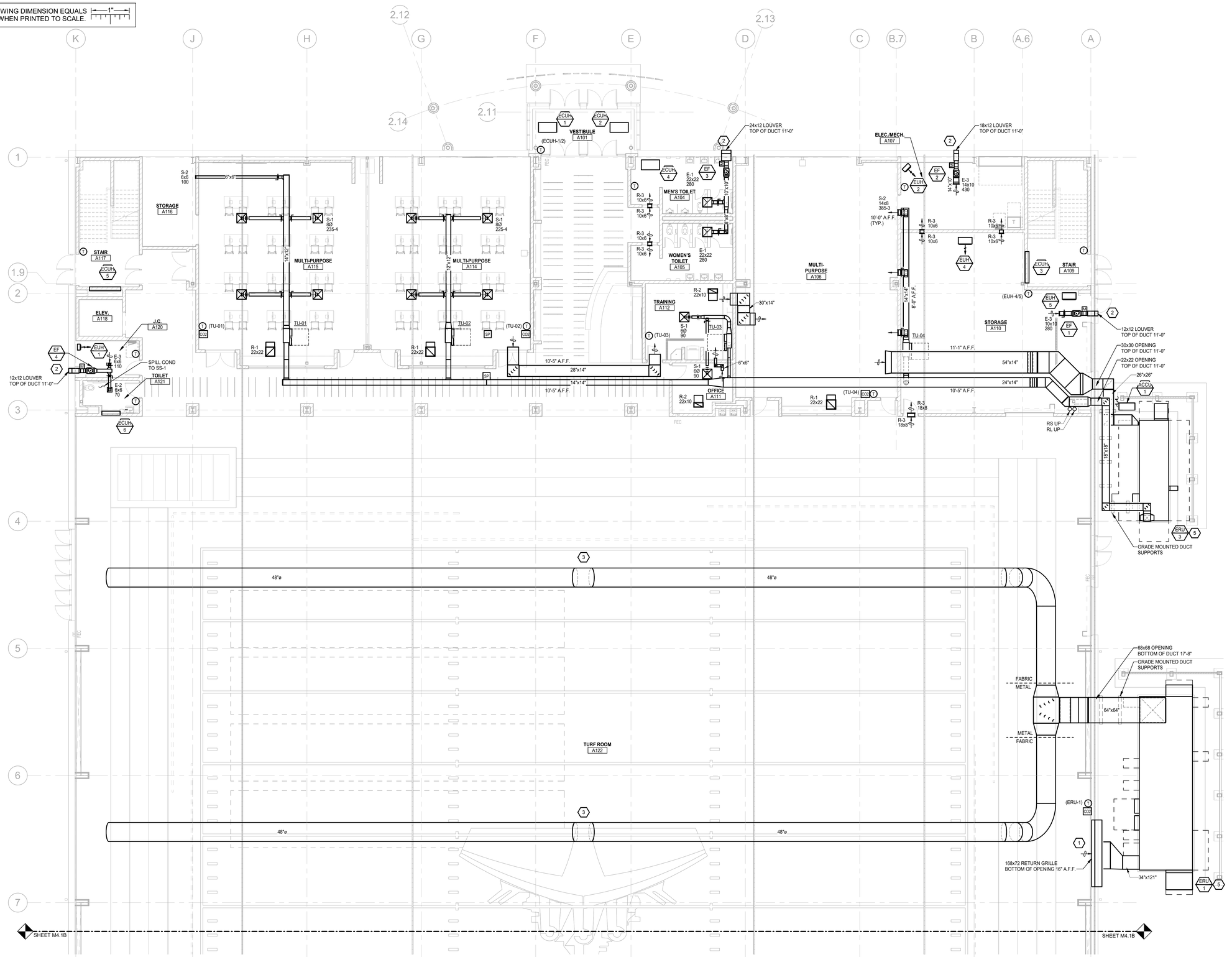
DRAWN	KRD
CHECKED	KRD
APPROVED	SVM

PROJECT NO.
25026E

DRAWING NO.
M2.2A

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THE FOLLOWING DIMENSION EQUALS ONE INCH WHEN PRINTED TO SCALE. 1"



FIRST LEVEL SHEET METAL PLAN - ZONE A

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

GENERAL NOTES: SEE M4.1B, M4.2A

CONSTRUCTION NOTES: SEE M4.1B, M4.2A

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PROJECT TITLE

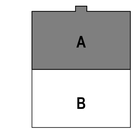
NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

FIRST LEVEL SHEET METAL PLAN - ZONE 'A'

KEY PLAN



ISSUE DATES

02-26-2026	D.R. 2 - CONSTRUCTION DOCUMENTS
02-12-2026	OWNER REVIEW
01-23-2026	90% CONSTRUCTION DOCUMENTS
12-19-2025	DESIGN DEVELOPMENT
12-16-2025	BID PACKAGE NO. 1 PEMB

DATE:	ISSUED FOR:
DRAWN	KRD
CHECKED	KRD
APPROVED	SVM

PROJECT NO.

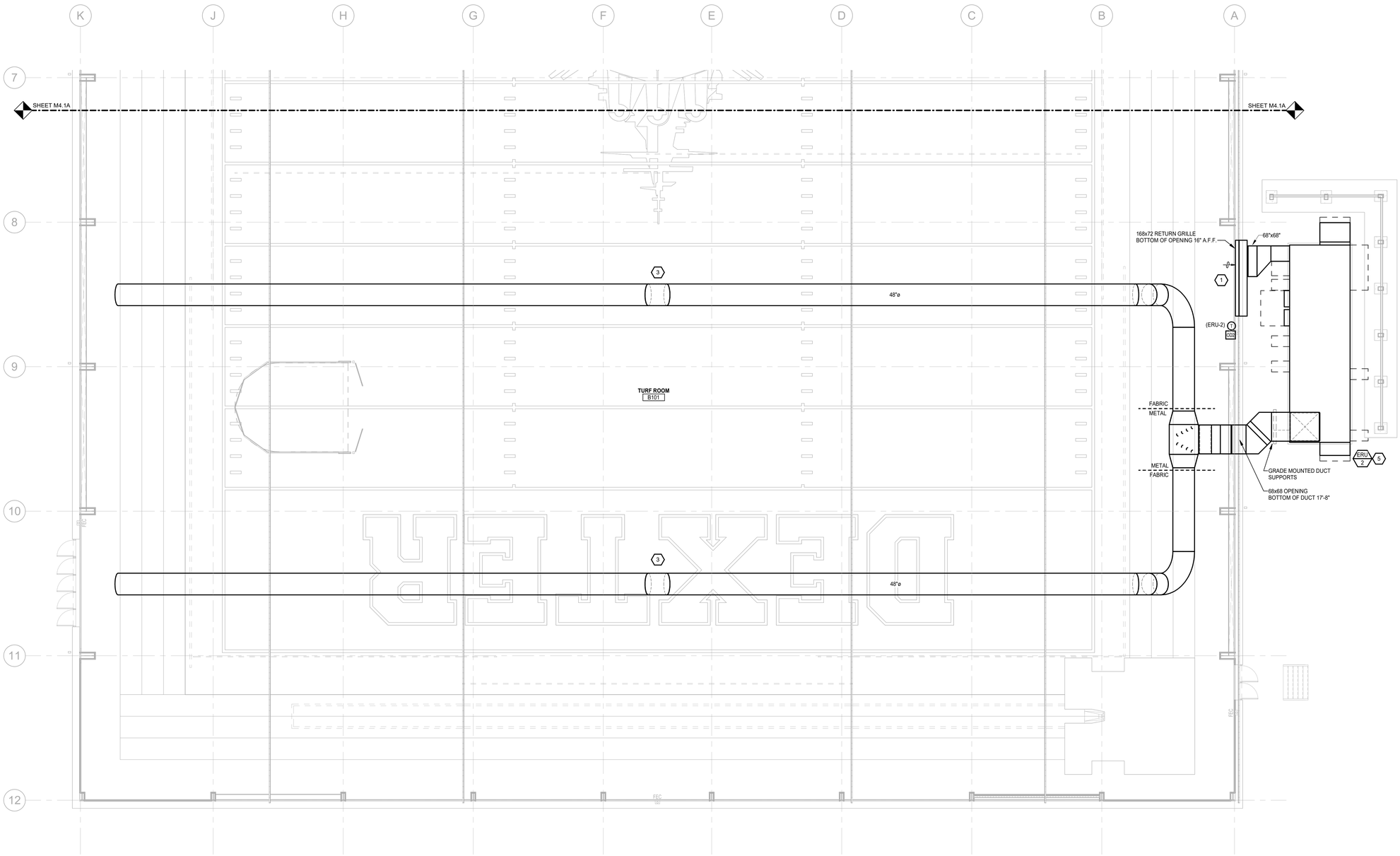
25026E

DRAWING NO.

M4.1A

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THE FOLLOWING DIMENSION EQUALS ONE INCH WHEN PRINTED TO SCALE. 1"



FIRST LEVEL SHEET METAL PLAN - ZONE B

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

SHEET METAL GENERAL NOTES:

1 THESE DRAWINGS ARE DIAGRAMMATIC, AND REPRESENT THE GENERAL INTENT AND ARRANGEMENT OF SYSTEMS. THEY ARE NOT TO BE CONSIDERED FABRICATION/COORDINATION/SHOP DRAWINGS. COORDINATION WITH OTHER TRADES IS REQUIRED. PROVIDE THE ADDITIONAL FITTINGS AND OFFSETS THAT WILL BE REQUIRED TO COMPLETE EACH SYSTEM AND TO AVOID INTERFERENCES WITH ALL OTHER SYSTEMS INCLUDING THE STRUCTURE, PIPING SYSTEMS, ELECTRICAL CONDUITS, BUS DUCTS, CABLE TRAY, LIGHT FIXTURES, ETC. AND/OR OTHER SPACE CONSTRAINTS.

2 INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.

3 PIPING AND DUCTWORK SHALL NOT BE INSTALLED ABOVE ELECTRICAL TRANSFORMERS, SWITCHBOARDS, PANELBOARDS OR MOTOR CONTROL CENTERS.

4 COORDINATE AND PROVIDE ACCESS DOORS WITHIN INACCESSIBLE CEILING, SHAFT, AND CHASE AREAS FOR ALL COMPONENTS WHICH REQUIRE SERVICE ACCESS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.

5 PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL SYSTEMS.

6 REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR DIMENSIONED LOCATION OF GRILLES, REGISTERS, AND DIFFUSERS.

7 REFER TO TEMPERATURE CONTROLS STANDARD MOUNTING HEIGHTS DETAIL FOR ELEVATIONS OF WALL MOUNTED TEMPERATURE CONTROL DEVICES.

(#) CONSTRUCTION KEY NOTES:

1 HEAVY DUTY RETURN AIR GRILLE 168x72 LOW IN MASONRY WALL. REFER TO DETAIL. PROVIDE 18-INCH DEEP DOUBLE WALLED PLENUM

2 PROVIDE 18-INCH DEEP DOUBLE WALLED EXHAUST AIR PLENUM ON LOUVER. LOUVER BY OTHERS.

3 ROUTE FABRIC DUCT WITHIN DEPTH OF STRUCTURE FOLLOWING SLOPE OF ROOF. PROVIDE UNISTRUT SUPPORTS FROM STRUCTURAL MEMBERS TO SUPPORT FABRIC DUCT. DUCT CANNOT BE SUPPORTED FROM ROOF DECK.

4 DESTRATIFICATION FAN SPEED CONTROL.

5 PROVIDE HEAT TRACE ON ERU CONDENSATE DRAINS. COORDINATE WITH ELECTRICAL.

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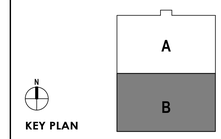
PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

FIRST LEVEL SHEET METAL PLAN - ZONE 'B'



KEY PLAN

ISSUE DATES

DATE:	ISSUED FOR:
02-26-2026	D.R. 2 - CONSTRUCTION DOCUMENTS
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12-16-2025	BID PACKAGE NO. 1 PEMB

DRAWN	KRD
CHECKED	KRD
APPROVED	SVM

PROJECT NO.

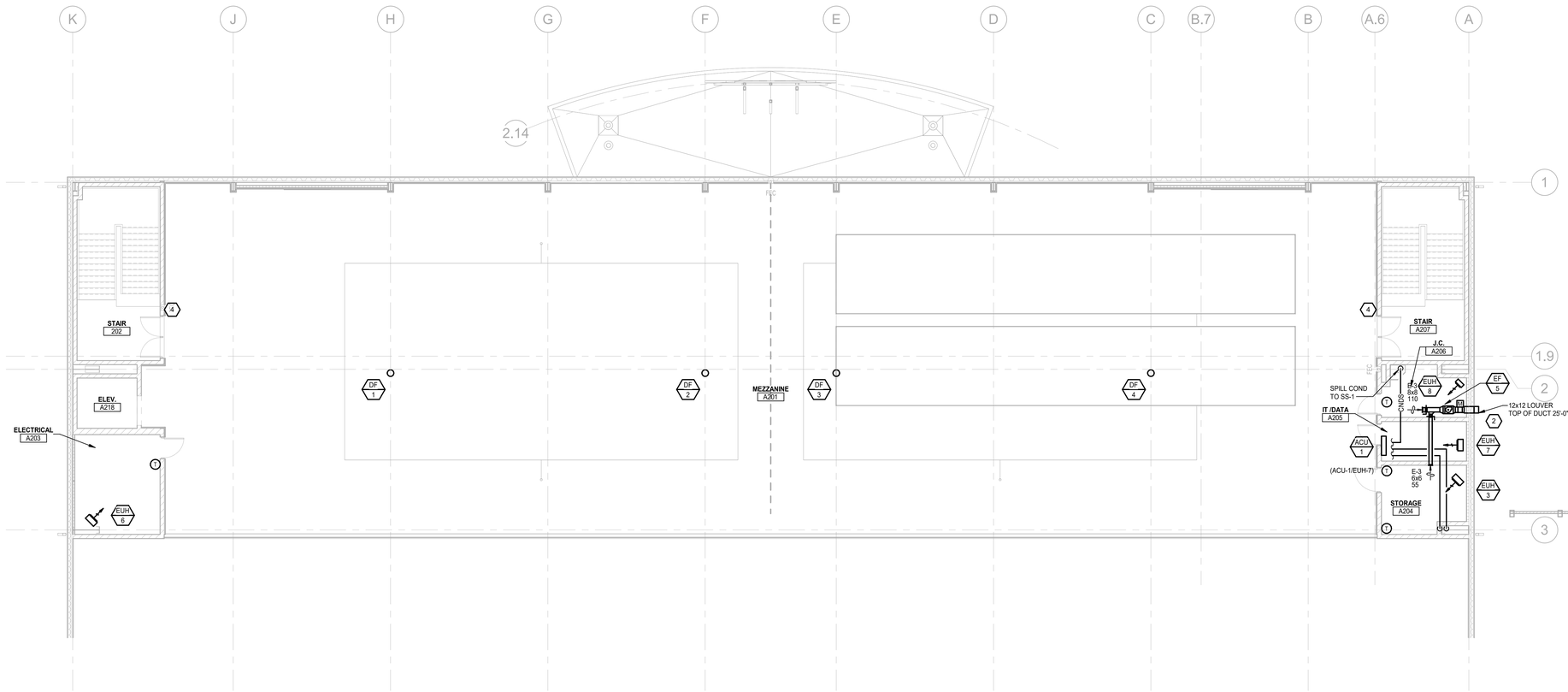
25026E

DRAWING NO.

M4.1B

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SECOND LEVEL SHEET METAL PLAN

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

SHEET METAL GENERAL NOTES:

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2. PROVIDE 18-INCH DEEP DOUBLE WALLED EXHAUST AIR PLENUM ON LOUVER. LOUVER BY OTHERS.
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4. DESTRATIFICATION FAN SPEED CONTROL.
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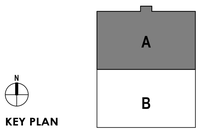
PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

SECOND LEVEL SHEET METAL PLAN - ZONE 'A'



KEY PLAN

ISSUE DATES

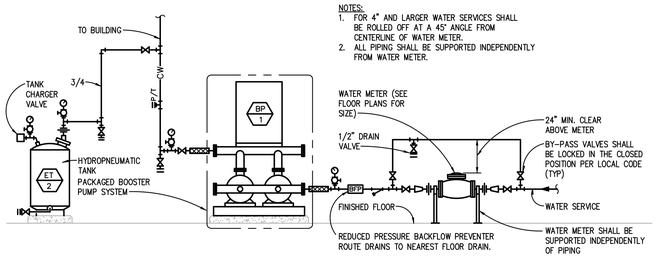
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APPROVED	SVM

PROJECT NO.
25026E

DRAWING NO.
M4.2A

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DOMESTIC WATER METER AND BOOSTER PUMP PIPING DIAGRAM
NO SCALE

TRAP DIMENSION TABLE

TYPE OF SYSTEM	S.P. AT COIL DRAIN PAN (IN.) (NOTE A)	DIMENSION "A" (INCHES) MIN.	DIMENSION "B" (INCHES)	DIMENSION "C" (INCHES) (TRAP SEAL)	DIMENSION "D" (INCHES)	DIMENSION "E" (INCHES)	DIMENSION "F" (INCHES) DRAIN PIPE SIZE (INCHES)			
							1 1/2	2	2 1/2, 3	4
DRAW THROUGH	-5.1 TO -6	5.0	5.0	2	6	2	13.0	14.0	15.0	16.0
	-4.1 TO -5	4.5	4.5	2	5	2	12.0	13.0	14.0	15.0
	-3.1 TO -4	4.0	4.0	2	4	2	11.0	12.0	13.0	14.0
	-2.1 TO -3	3.5	3.5	2	3	2	10.0	11.0	12.0	13.0
	UP TO -2	3.0	3.0	2	2	2	9.0	10.0	11.0	12.0
BLOW THROUGH	UP TO +2	4.0	2.0	2	2	4	9.0	10.0	11.0	12.0
	+2.1 TO +3	5.0	2.0	2	3	5	10.0	11.0	12.0	13.0
	+3.1 TO +4	6.0	2.0	2	4	6	11.0	12.0	13.0	14.0
	+4.1 TO +5	7.0	2.0	2	5	7	12.0	13.0	14.0	15.0
	+5.1 TO +6	8.0	2.0	2	6	8	13.0	14.0	15.0	16.0

NOTES: A. REFER TO ROOFTOP AIR HANDLING UNIT (COMMERCIAL, UNITARY, MODULAR) SCHEDULE FOR (-) OR (+) STATIC PRESSURE AT COIL DRAIN PAN.
B. ENERGY RECOVERY UNIT HEAT EXCHANGER CONDENSATE PAN TRAP PIPING OUTSIDE CASING SHALL BE INSULATED AND HEAT TRACED.
C. DIMENSION "G" IS MIN: 3" FOR UP TO 1 1/2" DRAIN PIPE
4" FOR 2" DRAIN PIPE
5" FOR 2 1/2" OR 3" DRAIN PIPE
6" FOR 4" DRAIN PIPE
D. PROVIDE ROOF CURB WITH ADEQUATE HEIGHT TO MEET DIMENSION "F"

*GAS TRAIN PROVIDED BY EQUIPMENT MANUFACTURER – SEE SPECIFICATIONS

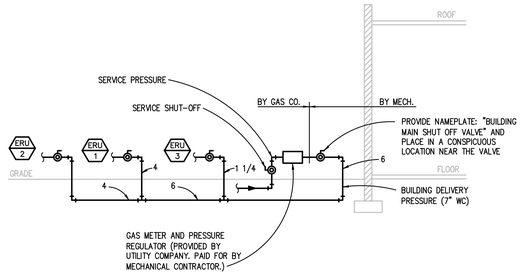
**GAS PRESSURE REGULATOR PROVIDED BY FOOD SERVICE MANUFACTURER

***THE GAS SERVICE COMPONENTS SHALL BE RATED IN ACCORDANCE WITH THE FOLLOWING CHART

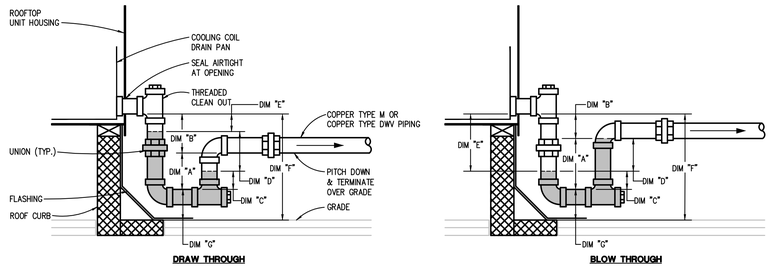
METER OUTLET PRESSURE (psig)	MINIMUM SYSTEM PRESSURE RATING (psig)
0.4	0.5
1 OR 2	10
3 OR 30	DELIVERY +10
31 TO 100	DELIVERY +20
101 TO 200	DELIVERY +30

GAS LOAD SCHEDULE

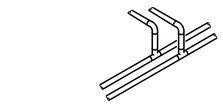
ITEM	TOTAL CFH
ERU-1	2400
ERU-2	2400
ERU-3	200
CONNECTED GAS LOAD =	5,000 @ 7" WC



NATURAL GAS PIPING DIAGRAM
NO SCALE



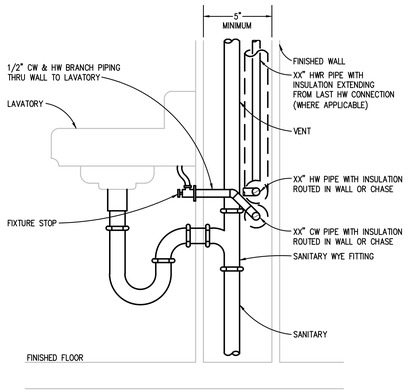
ENERGY RECOVERY UNIT HEAT EXCHANGER CONDENSATE DRAIN PAN TRAP DETAIL
NO SCALE



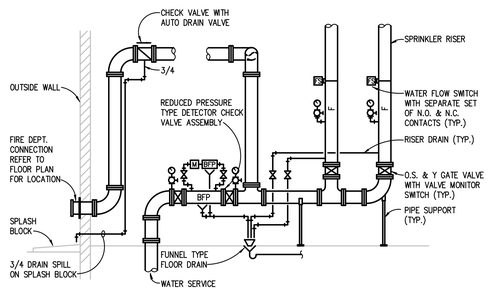
BRANCH CONNECTION OFF TOP

APPLIES TO THE FOLLOWING SYSTEMS:
DOMESTIC WATER
NATURAL GAS

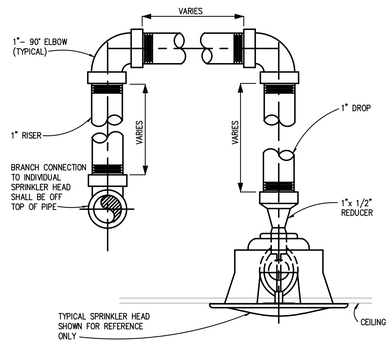
TYPICAL BRANCH TAKE-OFF CONNECTION PIPING DETAIL
NO SCALE



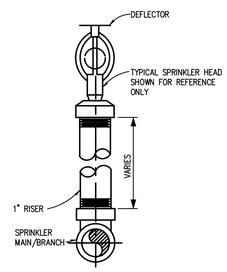
TYPICAL LAVATORY DETAIL
NO SCALE



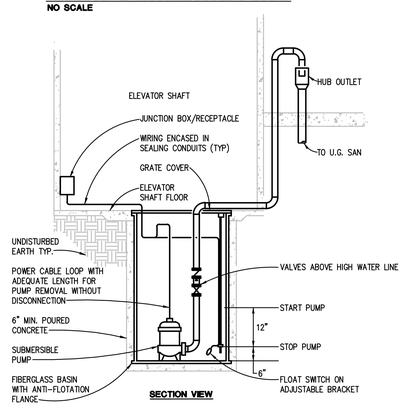
AUTOMATIC SPRINKLER RISER PIPING DIAGRAM
NO SCALE



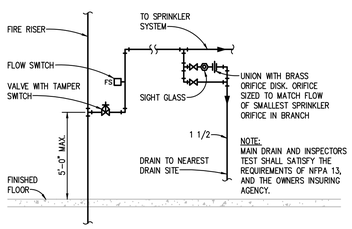
TYPICAL SPRINKLER PIPING DETAIL
NO SCALE



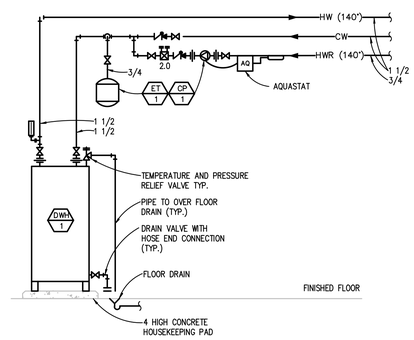
TYPICAL UPRIGHT SPRINKLER PIPING DETAIL
NO SCALE



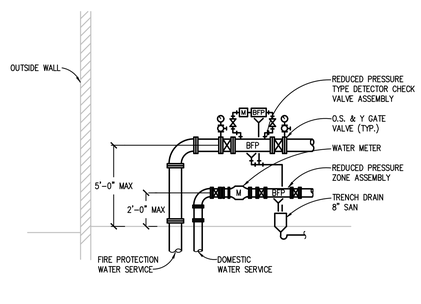
ELEVATOR SUMP PUMP PIPING DIAGRAM
NO SCALE



DRAIN/INSPECTORS TEST DETAIL
NO SCALE



FIELD HOUSE ELECTRIC WATER HEATER PIPING DIAGRAM
NO SCALE



DOMESTIC WATER AND FIRE PROTECTION SERVICE DETAIL
NO SCALE

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PBA Project No.: 2025.0327

PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

MECHANICAL DETAILS

ISSUE DATES

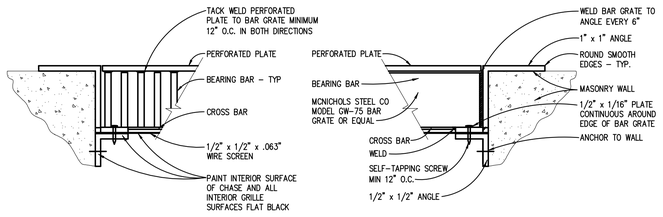
02-26-2026	D.R. 2 - CONSTRUCTION DOCUMENTS
02-12-2026	OWNER REVIEW
01-23-2026	90% CONSTRUCTION DOCUMENTS
12-19-2025	DESIGN DEVELOPMENT
DATE:	ISSUED FOR:

DRAWN	KRD
CHECKED	KRD
APPROVED	SVM

PROJECT NO.
25026E

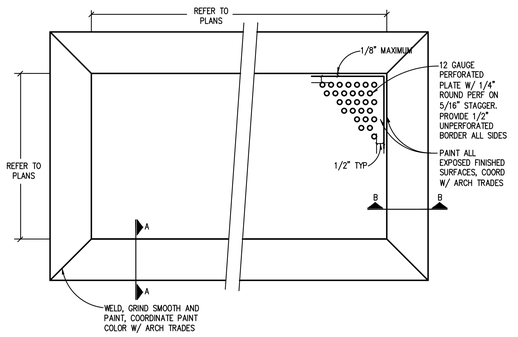
DRAWING NO.
M6.1

g:\2025\2025-0327-00\CAD\2025-0327-M6-DT.dwg, M6.1, 2/26/2026 10:20:26 AM, Tonya L. Cavanaugh, None ,0.09448, Peter Basso Associates Inc.



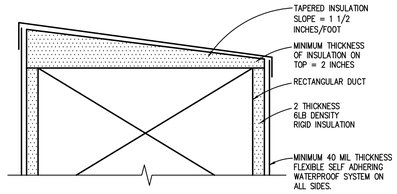
SECTION "B-B"
NO SCALE

SECTION "A-A"
NO SCALE

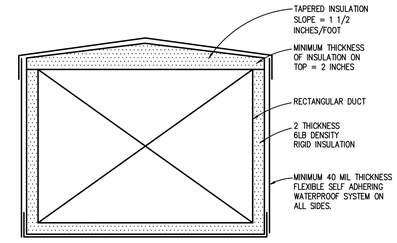


NOTES:
GRIND AND DEBURR ALL SURFACES PRIOR TO APPLYING FINISH.

HEAVY DUTY RETURN AIR GRILLE DETAIL
NO SCALE

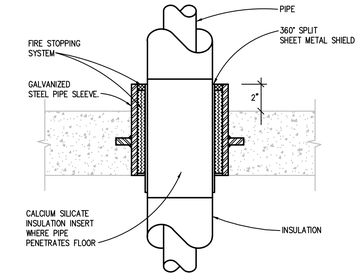


SLOPED IN ONE DIRECTION
OPTIONAL FOR DUCTS 30" AND SMALLER

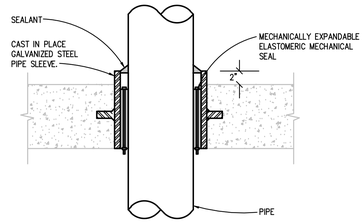


SLOPED IN TWO DIRECTIONS

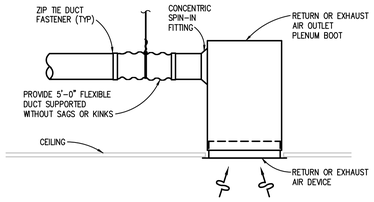
OUTDOOR DUCT INSULATION DETAIL
NO SCALE

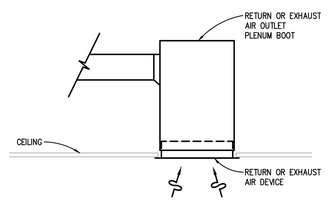


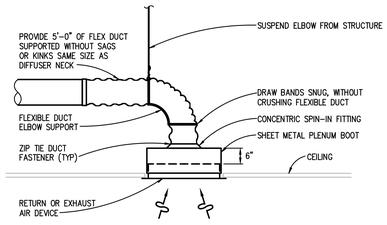
NEW FLOOR PIPE PENETRATION DETAIL
NO SCALE

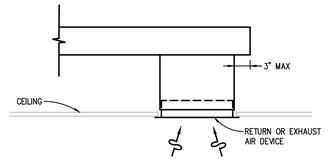


NEW SLAB ON GRADE FLOOR PIPE PENETRATION DETAIL
NO SCALE



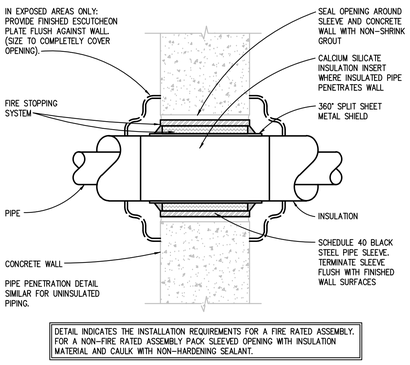






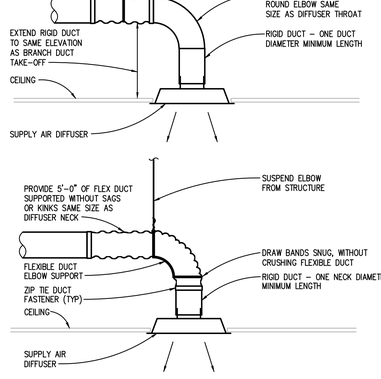
RETURN OR EXHAUST AIR DEVICE INSTALLATION DETAIL
NO SCALE

NOTE: PAINT INTERIOR SURFACE OF PLENUM BOX FLAT BLACK.

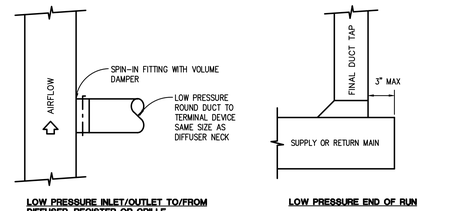


DETAIL INDICATES THE INSTALLATION REQUIREMENTS FOR A FIRE RATED ASSEMBLY. FOR A NON-FIRE RATED ASSEMBLY PACK SLEEVED OPENING WITH INSULATION MATERIAL AND CAULK WITH NON-HARDENING SEALANT.

FIRE RATED AND NON-FIRE RATED POURED CONCRETE OR BLOCK WALL PIPE PENETRATION DETAIL
NO SCALE

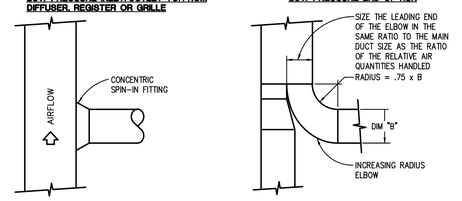


ROUND NECK SUPPLY AIR DIFFUSER DETAIL
NO SCALE



LOW PRESSURE INLET/OUTLET TO/FROM DIFFUSER, REGISTER OR GRILLE

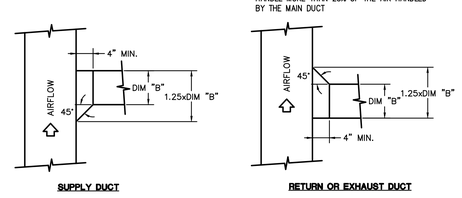
LOW PRESSURE END OF RUN



RECTANGULAR TO ROUND DUCT

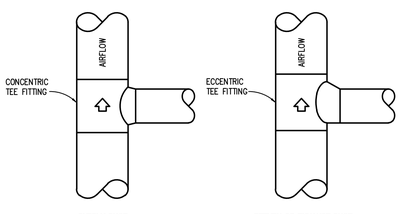
SUPPLY, RETURN OR EXHAUST DUCT

FOR USE WHEN A BRANCH TAKE-OFF IS TO HANDLE MORE THAN 25% OF THE AIR HANDLED BY THE MAIN DUCT



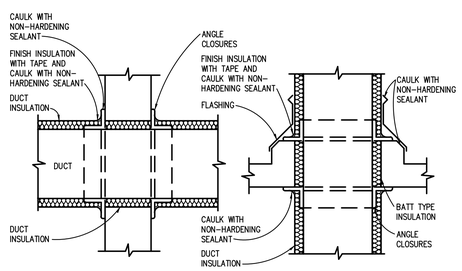
SUPPLY DUCT **RETURN OR EXHAUST DUCT**

RECTANGULAR DUCT BRANCH TAKE-OFF DETAILS
NO SCALE

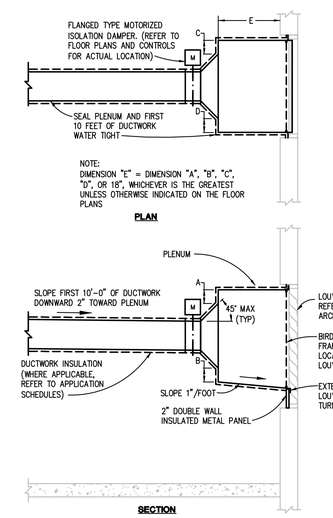


SUPPLY DUCT **RETURN OR EXHAUST DUCT**

SPIRAL DUCT BRANCH TAKE-OFF DETAILS
NO SCALE **(ROUND AND FLAT OVAL SIMILAR)**



VERTICAL OR HORIZONTAL (NON FIRE RATED ASSEMBLY) DUCT PENETRATION DETAIL
NO SCALE



OUTDOOR AIR INTAKE OR EXHAUST/RELIEF PLENUM DETAIL
NO SCALE

TMP ARCHITECTURE

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BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561
EM - INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

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NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
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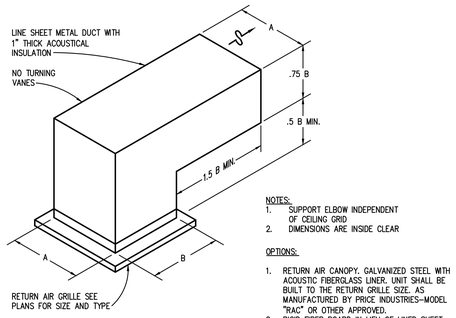
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APPROVED	SVM

PROJECT NO.
25026E

DRAWING NO.
M6.2

g:\2025\2025-0327-00\CAD\2025-0327-M6-DT.dwg, M6.2, 2/26/2026 10:20:28 AM, Tonya L. Cavanaugh, None ,0.09448, Peter Basso Associates Inc.

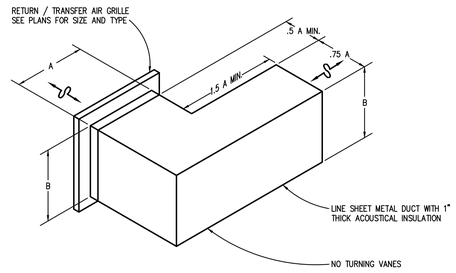


NOTES:
1. SUPPORT ELBOW INDEPENDENT OF CEILING GRID
2. DIMENSIONS ARE INSIDE CLEAR

OPTIONS:

1. RETURN AIR CANOPY, GALVANIZED STEEL WITH ACOUSTIC FIBERGLASS LINER. UNIT SHALL BE BUILT TO THE RETURN GRILLE SIZE. AS MANUFACTURED BY PRICE INDUSTRIES–MODEL "RAC" OR OTHER APPROVED.
2. RIGID FIBER BOARD IN LIEU OF LINED SHEET METAL DUCT.

CEILING GRILLE TO/FROM PLENUM

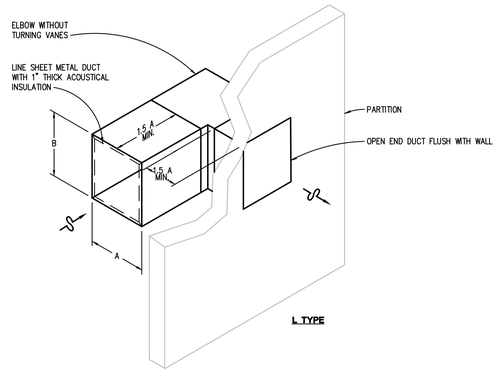


NOTE: DIMENSIONS ARE INSIDE CLEAR.

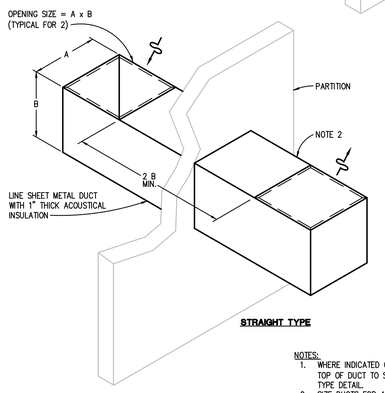
OPTION: RIGID FIBER BOARD IN LIEU OF LINED SHEET METAL DUCT.

PLENUM TO / FROM WALL GRILLE

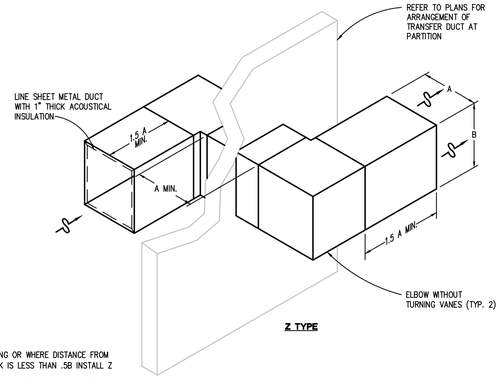
PLENUM RETURN AIR GRILLE DETAILS
NO SCALE



L TYPE



STRAIGHT TYPE

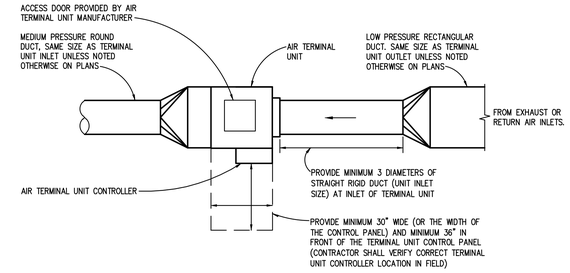


Z TYPE

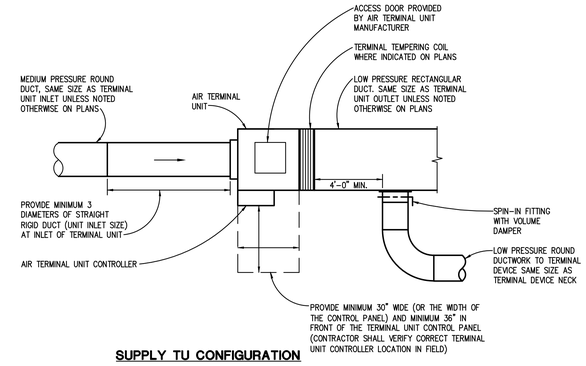
NOTES:
1. WHERE INDICATED ON DRAWING OR WHERE DISTANCE FROM TOP OF DUCT TO SLAB/DECK IS LESS THAN .5B INSTALL Z TYPE DETAIL.
2. SIZE DUCTS FOR 400 FPM MAX BASED ON CLEAR INSIDE DIMENSIONS AND 100% OF THE SUPPLY AIR TO THE SPACE UNLESS OTHERWISE NOTED.
3. ROTATE DETAILS 90° WHERE VERTICAL INSTALLATION IS INDICATED.
4. DIMENSIONS ARE INSIDE CLEAR.

OPTIONS:
1. RIGID FIBER BOARD MAY BE USED IN LIEU OF LINED SHEET METAL DUCT.

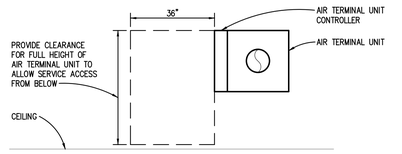
AIR TRANSFER DUCT DETAILS
NO SCALE



EXHAUST TU CONFIGURATION

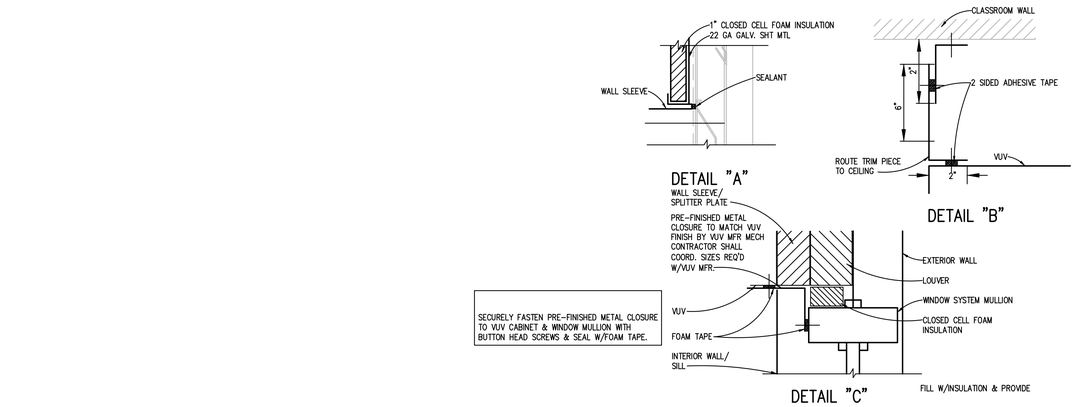


SUPPLY TU CONFIGURATION



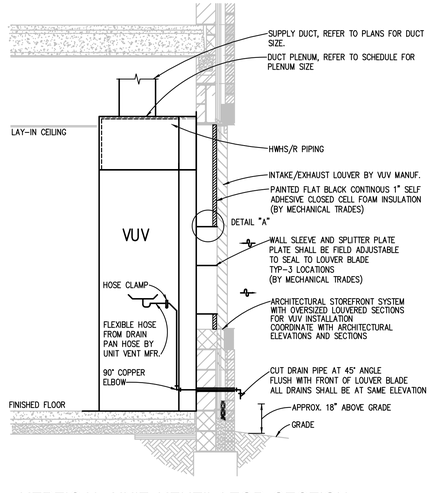
TERMINAL UNIT SECTION

AIR TERMINAL UNIT (TU) DETAIL
NO SCALE



VUV ROOM CORNER ORIENTATION

VERTICAL UNIT VENTILATOR PLAN VIEW DETAILS
NO SCALE



VERTICAL UNIT VENTILATOR SECTION VUV/LOUVER DETAIL
NO SCALE

TMP ARCHITECTURE

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BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561
EM - INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

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PROJECT NO.

25026E

DRAWING NO.

M6.3

g:\2025\2025-0327-00\CAD\2025-0327-M6-DT.dwg, M6.3, 2/26/2026 10:20:30 AM, Tonya L. Cavanaugh, None .0.09448, Peter Basso Associates Inc.

PLUMBING PIPING & VALVE APPLICATION SCHEDULE

PIPE SIZE (INCHES)	MATERIAL: SOFT COPPER TYPE K	HARD COPPER TYPE L	HARD COPPER TYPE M	CARBON STEEL (SCHED. 40)	CARBON STEEL (STD.)	GALV. STEEL (SCHED. 40)	PEX	PE PIPE	PE SHEATHED CARBON STEEL PIPE	CSST	NO-HUB CISP	PVC TYPE DWV	PP DRAINAGE PIPE	COPPER TYPE DWV	DUCTILE IRON PIPE	PRESSURE CONNECTIONS: SOLDERED	BRAZED	WELDED	THREADED	FLANGED	GROOVED	INSERT & CRIMP	FUSION	PRESSURE-SEAL	MECHANICALLY-FORMED TEE	MECHANICAL JOINT	PUSH-ON-JOINT	GRAVITY DWV CONNECTIONS: SOLVENT WELDED	SOLDERED	FUSION	CISP HUBLESS	HEAVY-DUTY HUBLESS	ISOLATION VALVES: BALL	AGA BALL	GENERAL SERVICE BUTTERFLY	LUBRICATED PLUG	GATE	KEYED NOTES
20																																						
ABOVEGROUND DOMESTIC WATER (POTABLE AND NON-POTABLE) ON DISTRIBUTION SIDE OF METER - MIN. WORKING PRESS. & TEMP.: 125 PSIG AT 200 DEG F																																							
UP TO 4		X														X	X		X	X		X	X								X		X				A
ABOVEGROUND SANITARY WASTE & VENT - MIN. WORKING PRESS.: 10-FOOT HEAD OF WATER																																						
1-1/2 TO 15											X																				X							
ABOVEGROUND PUMPED SANITARY WASTE - MIN. WORKING PRESS.: 125 PSIG																																						
UP TO 2		X														X	X															X					
ABOVEGROUND INDIRECT SANITARY WASTE - MIN. WORKING PRESS.: 10-FOOT HEAD OF WATER																																						
UP TO 8			X												X														X									
ABOVEGROUND PUMPED INDIRECT SANITARY WASTE - MIN. WORKING PRESS.: 125 PSIG																																						
UP TO 2		X														X	X															X					
UNDERGROUND SANITARY WASTE & VENT - MIN. WORKING PRESS.: 10-FOOT HEAD OF WATER																																						
3 TO 12											X																					X						
UNDERGROUND PUMPED SANITARY WASTE - MIN. WORKING PRESS.: 125 PSIG																																						
UP TO 2-1/2		X														X	X																				
ABOVEGROUND COLD CONDENSATE DRAIN - MIN. WORKING PRESSURE: 10 FT. HEAD OF WATER																																						
ALL SIZES			X												X		X	X						X													
ABOVEGROUND PUMPED COLD CONDENSATE DRAIN - MIN. WORKING PRESSURE: 125 PSIG																																						
UP TO 2			X														X	X						X								X					
2-1/2 TO 4			X															X						X										X			
ABOVEGROUND STORM DRAINAGE - MIN. WORKING PRESS.: 10-FOOT HEAD OF WATER																																						
3 TO 15											X																					X						
UNDERGROUND STORM DRAINAGE - MIN. WORKING PRESS.: 10-FOOT HEAD OF WATER																																						
3 TO 12											X																					X						
ABOVEGROUND FUEL GAS - MIN. WORKING PRESS.: 100 PSIG																																						
UP TO 2				X														X	X														X				E
2-1/2 TO 3				X														X		X													X				E
4 TO 10				X														X		X															X		E
12 AND LARGER					X													X		X															X		E
UNDERGROUND FUEL GAS - MIN. WORKING PRESS.: 100 PSIG																																						
1/2 TO 12								X																X													F

GENERAL NOTES:
1. 'X' INDICATES ACCEPTABLE SELECTION. IF MORE THAN ONE SELECTION IS INDICATED FOR A PIPING SYSTEM, CONTRACTOR MAY SELECT FROM THOSE INDICATED SELECTIONS.
2. DISSIMILAR-METAL PIPING JOINTS: CONSTRUCT JOINTS USING DIELECTRIC FITTINGS COMPATIBLE WITH BOTH PIPING MATERIALS.

   a. NPS 2 AND SMALLER : USE DIELECTRIC NIPPLE/WATERWAY.
   b. NPS 2-1/2 AND LARGER: USE DIELECTRIC FLANGE KITS.

3. USE UNIONS OR FLANGES AT VALVE AND EQUIPMENT CONNECTIONS.
4. PLUMBING EQUIPMENT DRAINS, VENTS, SAFETY VALVE PIPING, BLOWDOWN PIPING AND THE LIKE SHALL BE SAME PIPING MATERIAL AS ASSOCIATED PIPING SYSTEM.
5. GROOVED END VALVES MAY BE USED WITH GROOVED PIPING.

KEYED NOTES:
A. GROOVED AND FLANGED FITTINGS, JOINTS, AND COUPLINGS, IF INDICATED AS AN ACCEPTABLE SELECTION, MAY BE USED IN ACCESSIBLE LOCATIONS ONLY FOR THIS PIPING SYSTEM. ACCESSIBLE LOCATIONS ARE DEFINED AS EXPOSED CONSTRUCTION OR ABOVE LAY-IN CEILINGS.
B. JOINTS ARE NOT PERMITTED ON UNDERGROUND WATER PIPING.
C. USE CAST IRON DRAINAGE PATTERN (DURHAM) FITTINGS.
D. INSTALL IN CONTAINMENT JACKET, REFER TO SPECIFICATIONS.
E. VALVES, UNIONS, AND FLANGED JOINTS MAY BE USED IN ACCESSIBLE LOCATIONS ONLY, EXCLUDING CEILINGS USED AS AIR PLENUMS. ACCESSIBLE LOCATIONS ARE DEFINED AS EXPOSED CONSTRUCTION OR ABOVE LAY-IN CEILINGS. USE ONLY STEEL WELDED FITTINGS AND WELDED JOINTS IN CEILING USED AS AIR PLENUMS.
F. NO JOINTS ALLOWED UNDERGROUND.

DUCT SYSTEM APPLICATION SCHEDULE

AIR SYSTEMS	G90 GALV. SHEET METAL	DOUBLE-WALL LINED G90 GALV. SHEET METAL (SOLID INNER WALL)	DOUBLE-WALL LINED G90 GALV. SHEET METAL (PERF. INNER WALL)	G90 GALV. SHEET METAL WITH 1-INCH LINING	GALVANNEALED SHEET METAL	ALUMINUM	TYPE 304 STAINLESS STEEL	TYPE 316 STAINLESS STEEL	PVC COATED GALV. SHEET METAL (4X1)	PVC COATED GALV. SHEET METAL (1X4)	PVC COATED GALV. SHEET METAL (4X4)	16 GA. CARBON STEEL	ZERO-CLEARANCE PREFABRICATED RANGE HOOD EXHAUST DUCT	FABRIC	DESIGN PRESSURE CLASS (INCHES WG)	SEAL CLASS	MAX. ALLOWABLE LEAKAGE RATE (PERCENT)	KEYED NOTES
SUPPLY AIR WITHOUT TERMINAL UNITS	X													X	+2	A	5	
SUPPLY AIR UPSTREAM OF TERMINAL UNITS	X														+6	A	5	
SUPPLY AIR DOWNSTREAM OF TERMINAL UNITS	X														+2	A	5	
RETURN AIR WITHOUT TERMINAL UNITS	X														-2	A	5	
EXHAUST AIR WITHOUT TERMINAL UNITS	X														-2	A	5	
AIR TRANSFER DUCT				X											+2	A	5	

GENERAL NOTES:
1. 'X' INDICATES ACCEPTABLE SELECTION. IF MORE THAN ONE SELECTION IS INDICATED FOR A PIPING SYSTEM, CONTRACTOR MAY SELECT FROM THOSE INDICATED SELECTIONS.
2. 4 X 1 PVC-COATED GALVANIZED STEEL: FACTORY-APPLIED PVC COATINGS SHALL BE 4 MILS (0.10 MM) THICK ON EXTERIOR SHEET METAL SURFACES OF DUCTS AND FITTINGS EXPOSED TO CORROSIVE CONDITIONS AND MINIMUM 1 MIL (0.025 MM) THICK ON INTERIOR SURFACES.
3. 1 X 4 (4 X 1 REVERSE COATED) PVC-COATED GALVANIZED STEEL: FACTORY-APPLIED PVC COATINGS SHALL BE 4 MILS (0.10 MM) THICK ON INTERIOR SHEET METAL SURFACES OF DUCTS AND FITTINGS EXPOSED TO CORROSIVE CONDITIONS AND MINIMUM 1 MIL (0.025 MM) THICK ON EXTERIOR SURFACES.
4. 4 X 4 PVC-COATED GALVANIZED STEEL: FACTORY-APPLIED PVC COATINGS SHALL BE 4 MILS (0.10 MM) THICK ON SHEET METAL SURFACES OF DUCTS AND FITTINGS EXPOSED TO CORROSIVE CONDITIONS AND 4 MILS (0.10 MM) THICK ON OPPOSITE SURFACES.

KEYED NOTES:
A. SCREWS, DAMPERS, OR PROJECTIONS OF ANY TYPE ON INTERIOR OF DUCT SURFACE ARE PROHIBITED
B. DUCT SHALL BE LINED WITHIN 25 FEET UPSTREAM OF FANS.
C. ALL WELDED CONSTRUCTION.

ABOVEGROUND PLUMBING PIPE & ACCESSORY INSULATION APPLICATION SCHEDULE

	INSULATION MATERIAL & THICKNESS (INCHES): FLEXIBLE ELASTOMERIC	FIBERGLASS	MINERAL WOOL	POLYISOCYANURATE	PHENOLIC	CELLULAR GLASS	CALCIUM SILICATE	FIELD-APPLIED JACKET MATERIAL: ALUMINUM	STAINLESS STEEL	PVC	SELF-ADHESIVE (FOR OUTDOOR APPLICATIONS)	PVDC (INDOOR)	PVDC (OUTDOOR)	KEYED NOTES
INDOOR PIPE SYSTEM AND SIZE (INCHES):														
DOMESTIC COLD WATER	1	1						X		X				A
DOMESTIC HOT WATER SUPPLY & RETURN 140 DEG AND LESS:														
• NPS 1-1/4 AND SMALLER	1	1						X		X				A
• NPS 1-1/2 AND LARGER	1.5	1.5						X		X				A
CONDENSATE AND EQUIPMENT DRAIN PIPING BELOW 60 DEG F	0.75	1												
FLOOR DRAINS, TRAPS AND SANITARY DRAIN PIPING WITHIN 10 FEET OF DRAIN RECEIVING CONDENSATE AND EQUIPMENT DRAIN WATER BELOW 60 DEG F	0.75	1						X		X				A

UNLESS OTHERWISE INDICATED OR SCHEDULED, DO NOT INSULATE THE FOLLOWING:
- FIRE SUPPRESSION PIPING
- UNDERGROUND PIPING
- LABORATORY GAS AND VACUUM PIPING
- MEDICAL GAS AND VACUUM PIPING
- FUEL GAS PIPING
- FUEL OIL PIPING

GENERAL NOTES:
1. 'X' OR THICKNESS IN INCHES INDICATES ACCEPTABLE SELECTION. IF MORE THAN ONCE SELECTION IS INDICATED FOR A SYSTEM, CONTRACTOR MAY SELECT FROM THOSE INDICATED SELECTIONS.
2. INSULATE PIPING WITHIN AIR HANDLING EQUIPMENT THE SAME AS INDOOR PIPING. PROVIDE ALUMINUM OR STAINLESS STEEL JACKET.

KEYED NOTES:
A. PROVIDE FIELD APPLIED JACKET FOR PIPING EXPOSED IN EQUIPMENT ROOMS, STORAGE ROOMS, JANITORS CLOSETS, RECEIVING ROOMS, TEST AREAS, CIRCULATION AREAS AND SUCH AREAS SUBJECT TO DAMAGE, WITHIN 10 FEET (3 METERS) OF FINISHED FLOOR.
B. PROVIDE MANUFACTURER'S RECOMMENDED PROTECTIVE COATING FOR FLEXIBLE ELASTOMETRIC THERMAL INSULATION.

DUCT SYSTEM INSULATION APPLICATION SCHEDULE

	INSULATION MATERIAL & THICKNESS (INCHES): FIBERGLASS BLANKET 0.75 LB/CU FT	FIBERGLASS BLANKET 1.0 LB/CU FT	FIBERGLASS BOARD 2.25 LB/CU FT	FIBERGLASS BOARD 6.0 LB/CU FT	FLEXIBLE ELASTOMERIC	ASTM E2336 2-HOUR FIRE RATED BLANKET	2-HOUR FIRE RATED BLANKET	ALUMINUM	FIELD APPLIED JACKET MATERIAL (FOR OUTDOOR APPLICATIONS): SELF-ADHESIVE	KEYED NOTES
DUCT SYSTEMS LOCATED INDOORS										
SUPPLY AIR, EXCEPT AS NOTED BELOW		1.5								A,E
RECTANGULAR SUPPLY AIR IN MECHANICAL ROOMS			1.5							
ROUND & FLAT OVAL SUPPLY AIR IN MECHANICAL ROOM		1.5								
RECTANGULAR RETURN AIR IN MECHANICAL EQUIPMENT ROOM			1.5							
EXHAUST AND RELIEF AIR BETWEEN ISOLATION DAMPER AND PENETRATION OF BUILDING EXTERIOR, EXCEPT AS NOTED BELOW		1.5								
RECTANGULAR EXHAUST AND RELIEF AIR BETWEEN ISOLATION DAMPER AND PENETRATION OF BUILDING EXTERIOR, IN MECHANICAL ROOMS			1.5							
ROUND & FLAT OVAL EXHAUST AND RELIEF AIR BETWEEN ISOLATION DAMPER AND PENETRATION OF BUILDING EXTERIOR, IN MECHANICAL ROOMS		1.5								
DUCT SYSTEMS LOCATED OUTDOORS										
RECTANGULAR DUCTS AND AIR PLENUMS, ALL TYPES				2					X	

PLENUMS, DUCTS, AND DUCT ACCESSORIES NOT REQUIRING INSULATION:
- FIBROUS-GLASS DUCTS
- DOUBLE-WALL METAL DUCTS WITH INSULATION OF SUFFICIENT THICKNESS TO COMPLY WITH ENERGY CODE AND ASHRAE / IESNA 90.1 - 2013
- METAL DUCTS WITH DUCT LINER OF SUFFICIENT THICKNESS TO COMPLY WITH ENERGY CODE AND ASHRAE / IESNA 90.1 - 2013
- FABRIC SUPPLY DUCTS
- FACTORY-INSULATED FLEXIBLE DUCTS
- FACTORY-INSULATED PLENUMS AND CASINGS
- FLEXIBLE CONNECTORS
- VIBRATION-CONTROL DEVICES
- FACTORY-INSULATED ACCESS PANELS AND DOORS

GENERAL NOTES:
1. 'X' OR THICKNESS IN INCHES INDICATE ACCEPTABLE SELECTION. IF MORE THAN ONCE SELECTION IS INDICATED FOR A SYSTEM, CONTRACTOR MAY SELECT FROM THOSE INDICATED SELECTIONS.
2. REFER TO METAL DUCT SECTION OF SPECIFICATIONS FOR DUCT LINING AND DOUBLE-WALL INSULATED DUCT.
3. REFER TO HVAC CASINGS SECTION OF SPECIFICATIONS FOR DOUBLE-WALL INSULATED PLENUMS.

KEYED NOTES:
A. INCLUDE INSULATION AROUND DUCT MOUNTED COILS AND AIR TERMINAL UNITS COILS.
B. NUMBER OF LAYERS AND TOTAL INSULATION THICKNESS AS RECOMMENDED BY SELECTED MANUFACTURER.
C. DOES NOT APPLY TO PREFABRICATED, ZERO-CLEARANCE GREASE DUCT.
D. PROVIDE MANUFACTURER;S RECOMMENDED PROTECTIVE COATING FOR FLEXIBLE ELASTOMERIC THERMAL DUCT INSULATION.
E. EXPOSED SUPPLY DUCTWORK LOCATED IN CONDITIONED SPACE SERVED BY THAT SYSTEM IS NOT REQUIRED TO BE INSULATED.

HORIZONTAL PIPING AND SUPPORT APPLICATION SCHEDULE

METAL PIPE TYPE & SIZE	HANGER OR SUPPORT TYPE: MSS TYPE 1 CLEVIS HANGER	MSS TYPE 10 SWIVEL RING BAND HANGER	MSS TYPE 41 DOUBLE ROD PIPE ROLLER	MSS TYPE 43 SINGLE ROD ROLLER HANGER	MSS TYPE 44 PIPE ROLLER & STAND	MSS TYPE 46 ADJUSTABLE PIPE ROLL STAND	SHIELD TYPE: MSS TYPE 39 PROTECTION SADDLE	MSS TYPE 40 INSULATION PROTECTION SHIELD	THERMAL-HANGER SHIELD	KEYED NOTES
UNINSULATED SINGLE PIPE										
UP TO 2 INCH	X	X								
2-1/2 INCH TO 4 INCH	X	X								
INSULATED SINGLE COLD PIPES										
UP TO 2 INCH	X	X						X	X	A
2-1/2 INCH TO 4 INCH	X								X	
INSULATED SINGLE HOT PIPES										
UP TO 2 INCH	X	X					X	X	X	A, C

GENERAL NOTES:
1. 'X' INDICATES APPROVED HANGER OR SUPPORT ELEMENTS. IF MORE THAN ONE HANGER OR SUPPORT ELEMENT IS INDICATED, SELECTION FROM APPROVED ELEMENTS IS CONTRACTOR'S OPTION.
2. REFER TO HANGER AND SUPPORT SECTION FOR APPROVED MANUFACTURERS.
3. HANGERS AND SUPPORTS USED FOR FIRE PROTECTION SERVICES SHALL BE UL LISTED OR FMG APPROVED.
4. HANGER ELEMENTS IN CONTACT WITH BARE COPPER PIPE SHALL BE COPPER PLATED, PLASTIC COATED, FELT LINED, OR USE MANUFACTURED COPPER TUBE ISOLATORS.
5. REFER TO INDIVIDUAL PIPING SPECIFICATION SECTIONS FOR HANGER SPACING.
6. MULTIPLE PARALLEL COLD PIPES MAY BE TRAPEZE SUPPORTED FROM BELOW USING U-BOLTS OR STRUT CLAMPS AND THERMAL HANGER SHIELDS. REFER TO KEYED NOTE A.
7. MULTIPLE PARALLEL COLD PIPES MAY BE TRAPEZE SUPPORTED FROM ABOVE USING STANDARD HANGER ELEMENTS INDICATED FOR SINGLE COLD PIPES.
8. MULTIPLE PARALLEL HOT PIPES MAY BE TRAPEZE SUPPORTED FROM BELOW USING ROLLER ELEMENTS AND THERMAL HANGER SHIELD OR INSULATION PROTECTION SADDLE. REFER TO KEYED NOTES B AND C.
9. MULTIPLE PARALLEL HOT PIPES MAY BE TRAPEZE SUPPORTED FROM ABOVE USING STANDARD ROLLER HANGERS INDICATED AND THERMAL HANGER SHIELD OR INSULATION PROTECTION SADDLE. REFER TO KEY NOTES B AND C.
10. REFER TO INDIVIDUAL PIPING SPECIFICATION SECTIONS FOR ADDITIONAL SYSTEM SPECIFIC HANGER APPLICATIONS.

KEYED NOTES:
A. USE THERMAL HANGER SHIELD ON TRAPEZE SUPPORTED INSULATED PIPE TO PREVENT CRUSHING OF INSULATION.
B. USE THERMAL HANGER SHIELD DESIGNED FOR USE ON ROLLER SUPPORTS FOR INSULATED HOT PIPE.
C. USE TYPE 39 PROTECTION SADDLES IF INSULATION WITHOUT VAPOR BARRIER IS INDICATED. FILL INTERIOR VOIDS WITH INSULATION MATCHING ADJOINING INSULATION.

SCHEDULES GENERAL NOTES:

TYPICAL FOR ALL SCHEDULE SHEETS:

1 REFER TO ELECTRICAL STANDARD SCHEDULES, ONE LINE DIAGRAM AND PANEL SCHEDULES FOR ADDITIONAL ELECTRICAL INFORMATION

2 PROVIDE THE FOLLOWING FACTORY-WIRED ELECTRICAL OPTIONS/ACCESSORIES WHERE INDICATED IN SCHEDULE:
A - NON-FUSED DISCONNECT SWITCH
B - UNIT SHALL BE SINGLE POINT ELECTRICAL CONNECTION WITH FACTORY INSTALLED DISCONNECTING MEANS AND ALL REQUIRED STARTERS AND CONTROLS
C - SERVICE RECEPTACLE
D - FUSED DISCONNECT SWITCH
E - COMBINATION STARTER
F - UNIT SHALL HAVE (2) SINGLE POINT CONNECTIONS WITH FACTORY INSTALLED DISCONNECTING MEANS AND ALL REQUIRED STARTERS AND CONTROLS. (1) CONNECTION SHALL BE FOR CONDENSING SECTION AND (1) CONNECTION SHALL BE FOR THE REMAINDER OF THE UNIT.

3 FOR MODULATION TYPE COLUMN, "AUTO" INDICATES AUTOMATIC OPERATION (CONTROLLED BY TEMPERATURE CONTROLS OR SELF CONTAINED CONTROLS), "MANUAL" INDICATES HAND OPERATION.

4 FOR VARIABLE FREQUENCY CONTROLLERS:
A - "NON-INTEGRAL" INDICATES THAT VARIABLE FREQUENCY CONTROLLERS SHALL BE SUPPLIED BY THE MECHANICAL CONTRACTOR (UNLESS OTHERWISE NOTED) AND INSTALLED BY THE ELECTRICAL CONTRACTOR, INCLUDING LINE SIDE AND LOAD SIDE WIRING TO THE MOTOR, AND INCLUDING MISCELLANEOUS STEEL WHEN REQUIRED FOR SUPPORT AND MOUNTING. REFER TO FLOOR PLANS FOR LOCATION.
B - "INTEGRAL" INDICATES THAT EQUIPMENT SHALL COME COMPLETE WITH VARIABLE FREQUENCY CONTROLLER WHICH IS FACTORY INSTALLED AND WIRED TO THE MOTOR. ELCTRICAL CONTRACTOR SHALL PROVIDE LINE SIDE WIRING TO THE VARIABLE FREQUENCY CONTROLLER.
C - "NONE" INDICATES THAT NO VARIABLE FREQUENCY CONTROLLER IS REQUIRED FOR THIS EQUIPMENT.

5 WHERE EQUIPMENT IS INDICATED TO HAVE A SINGLE POINT ELECTRICAL CONNECTION, THAT EQUIPMENT SHALL COME COMPLETE WITH FACTORY INSTALLED STARTERS, MOTOR OVERLOAD PROTECTION, CONTACTORS, FUSING AND ALL NECESSARY INTERNAL WIRING AND CONTROLS. PROVIDE A FACTORY MOUNTED UNIT DISCONNECTING MEANS WHERE THE ELECTRICAL CONTRACTOR SHALL MAKE SINGLE POINT CONNECTION. INSTALL PACKAGED EQUIPMENT SUCH THAT THE ELECTRICAL CONNECTION AND CONTROLS ARE ACCESSIBLE AND HAVE CLEARANCES MEETING THE NATIONAL ELECTRICAL CODE.

6 WHERE PACKAGED EQUIPMENT IS PROVIDED, NAMEPLATE MUST INDICATE MAXIMUM OVERCURRENT PROTECTION BY HACR RATED CIRCUIT BREAKERS OR FUSES. IF FUSE PROTECTION ONLY IS INDICATED, PROVIDE A FUSIBLE DISCONNECT AND FUSES WITH THE UNIT.

7 WHERE EQUIPMENT IS DESIGNATED BY MANUFACTURER AND MODEL NUMBER, THIS IS THE BASIS OF DESIGN. IF THE CONTRACTOR ELECTS TO PROVIDE EQUIPMENT BY OTHER SPECIFIED MANUFACTURERS OR PROPOSED ALTERNATE EQUIPMENT BY THE BASIS OF DESIGN MANUFACTURER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REVISIONS TO ELECTRICAL REQUIREMENTS, STRUCTURAL LOADING, OR ARCHITECTURAL APPURTENANCES AND SHALL INCLUDE THE COST OF SUCH REVISIONS IN THEIR BID.

8 WHERE EQUIPMENT IS SCHEDULED TO INCLUDE A SERVICE RECEPTACLE, PROVIDE A FACTORY MOUNTED SERVICE RECEPTACLE WITH APPROPRIATE FUSES AND TRANSFORMERS CONNECTED ON THE LINE SIDE OF THE UNIT DISCONNECT. PROVIDE A NAMEPLATE ON THE DISCONNECT SWITCH INDICATING THE PRESENCE OF LIVE POWER TO THE SERVICE RECEPTACLE WHEN HE UNIT DISCONNECT IS IN THE OFF POSITION.

9 <Designer Note: Standard mechanical specifications indicate that service receptacles are factory wired. If this note needs to change so that service receptacles are powered by individual 120v circuits, please coordinate this change with the mechanical specifications' sections.> SIZE ALL EQUIPMENT FEEDERS BASED ON THE LISTED MOP (MAXIMUM OVERCURRENT PROTECTION). REFER TO THE FEEDER AND BRANCH CIRCUIT SIZING SCHEDULE ON THE ELECTRICAL STANDARD SCHEDULES SHEET.

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PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

MECHANICAL SCHEDULES

ISSUE DATES

DATE:	ISSUED FOR:
02-26-2026	D.R. 2 - CONSTRUCTION DOCUMENTS
02-12-2026	OWNER REVIEW
01-23-2026	90% CONSTRUCTION DOCUMENTS
12-19-2025	DESIGN DEVELOPMENT

DRAWN	KRD
CHECKED	KRD
APPROVED	SVM

PROJECT NO.
25026E

DRAWING NO.
M7.1

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2/26/2026 10:34:45 AM Autodesk Docs://25026E_Dexter - New Field House/2025-0327_MEP_Dexter Fieldhouse_v25.rvt

VIBRATION ISOLATOR APPLICATION SCHEDULE

EQUIPMENT CATEGORY	HORSEPOWER AND OTHER	RPM	EQUIPMENT LOCATION: SLAB ON GRADE BASE TYPE	SLAB ON GRADE ISOLATOR TYPE	SLAB ON GRADE MIN. DEFL., IN. (MM)	UP TO 40 FT (12 M) FLOOR SPAN BASE TYPE	UP TO 40 FT (12 M) FLOOR SPAN ISOLATOR TYPE	UP TO 40 FT (12 M) FLOOR SPAN MIN. DEFL., IN. (MM)	KEYED NOTES
PUMPS									
INLINE	5 TO 25	ALL	A	3	0.75 (19)	A	3, 8a OR 8b	1.50 (38)	NOTE 3
	≥ 30	ALL	A	3	1.50 (38)	A	3, 8a OR 8b	2.50 (64)	
BASE MOUNTED CONDENSING UNITS									
ALL	≤ 1HP	ALL	A OR B	2	0.25 (6)	A OR B	2	0.25 (64)	NOTE 3
ALL	≥ 1HP	ALL	A OR B	2	0.25 (6)	A OR B	4	2.50 (64)	NOTE 3
PACKAGED AND MODULAR AIR HANDLING, AIR CONDITIONING, AND HEATING AND VENTILATING UNITS									
ALL	≤ 10	ALL	A	3	0.75 (19)	A	3	0.75 (19)	NOTES 1, 3, 4
ALL	≤ 15 AND ≤ 4 IN. SP	UP TO 300	A	3	0.75 (19)	C	3	3.50 (89)	NOTES 1, 3, 4
		301 TO 500	A	3	0.75 (19)	A	3	2.50 (64)	
		500 AND UP	A	3	0.75 (19)	A	3	1.50 (38)	
ALL	≥ 15 AND/OR > 4 IN. SP	UP TO 300	B	3	0.75 (19)	C	3	3.50 (89)	NOTES 1, 3, 4
		301 TO 500	B	3	0.75 (19)	C	3	2.50 (64)	
		500 AND UP	B	3	0.75 (19)	C	3	2.50 (64)	
PACKAGED AND MODULAR AIR HANDLING, AIR CONDITIONING, AND HEATING AND VENTILATING UNITS WITH INTERNAL SPRING ISOLATORS									
ALL	ALL	ALL	A	1a	0.25 (6)	A	1a	0.25 (6)	NOTES 1, 3, 4
AIR HANDLING EQUIPMENT WITH NON-INTERNALLY ISOLATED FAN ARRAYS (AIR HANDLING UNITS, CABINET FANS, FAN UNITS, ETC.)									
ALL	ALL	ALL	A	3	0.75 (19)	A	3	2.50 (64)	NOTES 1, 3, 4
SUSPENDED DUCTED ROTATING EQUIPMENT									
SMALL FANS, FAN-POWERED BOXES	≤ 600 CFM	ALL				A	8a OR 8b	0.50 (13)	NOTES 3,4
	> 600 CFM	ALL				A	8a OR 8b	0.75 (19)	

KEYED NOTES:
1. THRUST RESTRAINTS: PROVIDE THRUST RESTRAINTS BETWEEN FAN DISCHARGE AND DUCT (IN PAIRS, LOCATED ON THE CENTERLINE OF THE DISCHARGE OUTLET OF THE FAN, BRIDGING THE FLEXIBLE DUCT CONNECTOR) FOR ALL FAN HEADS, FOR AXIAL AND CENTRIFUGAL FANS UNITS OPERATING AT 2 INCHES OR GREATER TOTAL STATIC PRESSURE AND AS SHOWN ON DRAWINGS. SPRING DEFLECTION SHALL BE SAME AS THE SUPPORT ISOLATORS.
2. PIPING RISER ISOLATION: PROVIDE PIPE RISER RESILIENT ANCHORS, SPRING MOUNTS AND RESILIENT PIPE GUIDES CAPABLE OF DISTRIBUTING THE LOADS WITHIN THE BUILDING DESIGN LIMITS AT THE SUPPORT POINTS.
3. HORIZONTAL PIPING VIBRATION ISOLATION: PROVIDE TYPE 8a OR 8b SPRING HANGERS FOR PIPING CONNECTED TO VIBRATION ISOLATED EQUIPMENT FOR ALL PIPING IN MECHANICAL ROOMS OR THE FOLLOWING MINIMUM HORIZONTAL DISTANCES FROM THE ISOLATED EQUIPMENT: UP TO 6" - 50 FEET (1 1/2" MINIMUM DEFLECTION), 8" AND LARGER - 100 FEET (2 1/2" MINIMUM DEFLECTION), WHICHEVER IS GREATER, AND AS SHOWN ON DRAWINGS. THE FIRST 4 HANGERS FROM THE ISOLATED EQUIPMENT SHALL BE TYPE 8b.
4. DUCTWORK VIBRATION ISOLATION: PROVIDE TYPE 8a OR 8b SPRING HANGERS FOR DUCTWORK WITH A CROSS SECTION OF 2 SQUARE FEET OR GREATER CONNECTED TO AIR HANDLING UNITS, RETURN OR RELIEF FANS, AND VIBRATION ISOLATED EQUIPMENT FOR ALL SUCH DUCTWORK IN MECHANICAL ROOMS OR FOR A MINIMUM HORIZONTAL DISTANCE OF 100 FEET FROM THE ISOLATED EQUIPMENT, WHICHEVER IS GREATER, AND AS SHOWN ON DRAWINGS (3/4" MINIMUM DEFLECTION).
5. IF SPAN DOES NOT EXCEED 20 FT, SPRING DEFLECTION MAY BE 1.0 IN AND TYPE D BASE MAY BE USED. FOR SPANS GREATER THAN 20 FT, USE SPRING DEFLECTION INDICATED AND TYPE E BASE.

BASE TYPES:
BASE TYPE A - NO BASE, ISOLATORS ATTACHED DIRECTLY TO EQUIPMENT.
BASE TYPE B - STRUCTURAL STEEL RAILS OR BASE.
BASE TYPE C - CONCRETE INERTIA BASE.
BASE TYPE D - CURB - MOUNTED ALUMINUM BASE WITH 1" DEFL. SPRING ISOLATORS
BASE TYPE E - CURB - MOUNTED STEEL BASE WITH ADJUSTABLE 1", 2" OR 3" DEFL. SPRING ISOLATORS

ISOLATOR TYPES:
ISOLATOR TYPE 1a - ELASTOMERIC ISOLATION PAD.
ISOLATOR TYPE 1b - ELASTOMERIC ISOLATION PAD WITH STEEL LOAD BEARING PLATE.
ISOLATOR TYPE 2 - ELASTOMERIC FLOOR ISOLATOR.
ISOLATOR TYPE 3 - FREE STANDING SPRING FLOOR ISOLATOR.
ISOLATOR TYPE 4 - RESTRAINED SPRING ISOLATOR.
ISOLATOR TYPE 5 - THRUST RESTRAINT.
ISOLATOR TYPE 6 - AIR SPRING.
ISOLATOR TYPE 7 - ELASTOMERIC HANGERS.
ISOLATOR TYPE 8a - SPRING HANGERS.
ISOLATOR TYPE 8b - SPRING HANGERS WITH VERTICAL-LIMIT STOP.

SEWAGE PUMP AND SUMP PUMP SCHEDULE

UNIT IDENTIFICATION DES.	NO.	SYSTEM SERVED	SIMPLEX OR DUPLEX	PUMP QUANTITY	PUMP FLOW EACH GPM	PUMP HEAD FT.	PUMP HP EACH	PUMP RPM	BASIN CONSTRUCTION	BASIN DIAMETER INCHES	BASIN DEPTH INCHES	BASIN COVER TYPE	MODULATION / CONTROL TYPE	ELECTRICAL VOLTS	PHASE	SCCR KA	OPTIONS / ACCESSORIES	MODEL NUMBER	KEYED NOTES
SP	1	ELEVATOR	SIMPLEX	1	50.0	25.0	0.5	1750	FIBERGLASS	24	36	GRATE	AUTO	120	1	5	---	2DES	

GENERAL NOTES:
1. REFER TO SCHEDULES GENERAL NOTES.
2. MODEL NUMBERS ARE BELL & GOSSETT UNLESS OTHERWISE NOTED.

DOMESTIC HOT WATER SYSTEM EXPANSION TANK SCHEDULE

UNIT IDENTIFICATION DES.	NO.	SYSTEM SERVED	ESTIMATED TOTAL SYSTEM VOLUME GALLONS	TYPE	OPERATING PRESSURES AT EXPANSION TANK: INITIAL PSIG	OPERATING PRESSURES AT EXPANSION TANK: MAX (OPERATING) PSIG	SYSTEM OPERATING TEMPERATURES: MINIMUM °F	SYSTEM OPERATING TEMPERATURES: MAXIMUM °F	EXPANSION VOLUME GALLONS	MINIMUM TANK VOLUME GALLONS	DIMENSIONS: DIAMETER INCHES	DIMENSIONS: HEIGHT INCHES	MODEL NUMBER	KEYED NOTES
ET	1	DWH-1	70	DIAPHRAGM	40	80	40	140	3.5	3.5	10	14	PTA-5	
ET	2	BP-1	0	BLADDER	32	80	40	100	35	35	20	37	WESSELS FXA-130	

GENERAL NOTES:
1. MODEL NUMBERS ARE BELL & GOSSETT UNLESS OTHERWISE NOTED.
2. THE CONTRACTOR SHALL PRE-CHARGE THE TANK TO THE VALUE INDICATED IN THE SCHEDULE. FOR TANKS THAT ARE SUPPLIED PRE-CHARGED BY THE MANUFACTURER, THE CONTRACTOR SHALL CONFIRM THE PRESSURE AND MAKE ADJUSTMENTS AS REQUIRED.

DOMESTIC WATER HEATER SCHEDULE (ELECTRIC)

UNIT IDENTIFICATION DES.	NO.	STORAGE CAPACITY GALLONS	KW INPUT	RECOVERY GPH	E.W.T. °F	L.W.T. °F	MODULATION / CONTROL TYPE	ELECTRICAL VOLTS	PHASE	FLA	MOP	SCCR KA	OPTIONS / ACCESSORIES	MODEL NUMBER	KEYED NOTES
DWH	1	80	18	74	40	140	AUTO	480	3	21.7	30	5	---	LHC-80 48018	

GENERAL NOTES:
1. REFER TO SCHEDULES GENERAL NOTES.
2. MODEL NUMBERS ARE LOCHINVAR UNLESS OTHERWISE NOTED.

PLUMBING CONNECTION SCHEDULE

UNIT IDENTIFICATION DES.	NO.	CW INCHES	HW INCHES	SAN INCHES	VENT INCHES	KEYED NOTES
EWC	1	1/2	-	1 1/2	1 1/2	
FD	1	-	-	3	-	
FD	2	-	-	4	-	
FS	1	-	-	4	-	
LAV	1	1/2	1/2	1 1/2	1 1/2	1
SK	1	3/4	3/4	1 1/2	1 1/2	1
SS	1	3/4	3/4	3	-	
UR	1	3/4	-	2	1 1/2	
WC	1	1 1/2	-	4	2	
WH/HB	1	3/4	-	-	-	

GENERAL NOTES:
1. INDIVIDUAL WATER LINE BRANCHES, WASTE LINES, VENTS, AND TRAPS FOR CONNECTION TO INDIVIDUAL FIXTURES, FIXTURE FITTINGS, AND SPECIALTIES SHALL BE IN ACCORDANCE WITH THE FOLLOWING SCHEDULE OR AS INDICATED ON DRAWINGS, WHICHEVER IS GREATER.

KEYED NOTES:
1. PROVIDE MIXING VALVE.

SPLIT SYSTEM AIR CONDITIONING UNIT SCHEDULE - INDOOR

UNIT IDENTIFICATION DES.	NO.	TOTAL CAPACITY MBH	EVAPORATOR FAN AIRFLOW CFM	EVAPORATOR FAN NUMBER FANS	EVAPORATOR FAN WATTS EACH	COOLING COIL E.D.B. °F	COOLING COIL E.W.B. °F	ELECTRICAL VOLTS	PHASE	SCCR KA	MODEL NUMBER	CONNECTED UNIT DES.	CONNECTED UNIT NO.	KEYED NOTES
ACU	1	12	400	1	46	80	67	208	1	5	FTKF12BVJU9	ACCU	1	

SPLIT SYSTEM AIR CONDITIONING UNIT SCHEDULE - OUTDOOR

UNIT IDENTIFICATION DES.	NO.	CONDENSING SECTION NUMBER OF COMPRESSORS	CONDENSING SECTION NUMBER OF CONTROL STAGES	CONDENSING SECTION AMBIENT TEMPERATURE °F	CONDENSING SECTION AIRFLOW CFM	CONDENSING SECTION FAN WATTS	MODULATION / CONTROL TYPE	ELECTRICAL VOLTS	PHASE	MCA	MOP	SCCR KA	MODEL NUMBER	CONNECTED UNIT DES.	CONNECTED UNIT NO.	KEYED NOTES
ACCU	1	1	1	95	2460	69	AUTO	208	1	14.6	15	5	RKF12BVJU9	ACCU	1	1, 2

GENERAL NOTES:
1. REFER TO SCHEDULES GENERAL NOTES.
2. MODEL NUMBERS DAIKIN UNLESS OTHERWISE NOTED.

KEYED NOTES:
1. UNITS SHALL BE CAPABLE OF OPERATING DOWN TO 0 DEG. F.
2. INDOOR UNIT POWER FEED THROUGH OUTDOOR UNIT.

PACKAGED BOOSTER PUMP SCHEDULE

UNIT IDENTIFICATION DES.	NO.	SYSTEM SERVED	LOCATION	TYPE	NUMBER OF PUMPS	DISCHARGE WATERFLOW GPM	PUMP INLET PRESSURE HEAD PSIG	PUMP DISCHARGE PRESSURE HEAD PSIG	PUMP MODEL NUMBER	OVERLOAD GPM	MOTOR RPM EACH	MOTOR HP EACH	CAPACITY CONTROL	MODULATION TYPE	ELECTRICAL VOLTS	PHASE	FLA	MOP	SCCR KA	OPTIONS / ACCESSORIES	MODEL NUMBER	KEYED NOTES
BP	1	DOMESTIC CW	MECHANICAL	DUPLEX	2	35	32.00	62.00	1ST	---	3500	1.50	PRESSURE SENSOR	VFC	480	3	6	10	5	B	MXB2A15D	#1

GENERAL NOTES:
1. REFER TO SCHEDULES GENERAL NOTES.
2. MODEL NUMBERS ARE BELL & GOSSETT UNLESS OTHERWISE NOTED.

KEYED NOTES:
1. THIS IS AN APPROXIMATION FOR BIDDING PURPOSES. ACTUAL SELECTION TO BE VERIFIED WITH BUILDING FLOW TEST PRIOR TO ORDERING.

PUMP SCHEDULE

UNIT IDENTIFICATION DES.	NO.	SYSTEM SERVED	LOCATION	TYPE	COUPLING TYPE	WATERFLOW GPM	FLUID TYPE	COLDEST SYSTEM OPERATING TEMP. °F. FOR PUMP SELECTION	PUMP HEAD FT.	OVERLOAD GPM	MINIMUM EFFICIENCY %	INDUCTION MOTOR BHP	INDUCTION MOTOR HP	INDUCTION MOTOR RPM	MODULATION TYPE	ELECTRICAL VOLTS	PHASE	SCCR KA (NOTE 4)	OPTIONS / ACCESSORIES	MODEL NUMBER	KEYED NOTES
CP	1	DWH-1	A122 - MECHANICAL	INLINE	CLOSE	2	WATER	40	15	NON-OVERLOADING	---	---	1/10	2650	AUTO	120	1	5	---	PL-30	

GENERAL NOTES:
1. REFER TO SCHEDULES GENERAL NOTES.
2. MODEL NUMBER ARE BELL & GOSSETT UNLESS OTHERWISE NOTED.
3. FLUID TYPE: W = WATER, PGXX = PROPYLENE GLYCOL SOLUTION XX PERCENTAGE OF GLYCOL, EGXX = ETHYLENE GLYCOL SOLUTION XX PERCENTAGE OF GLYCOL.
4. CONTROLLER (E.G. VARIABLE FREQUENCY CONTROLLER, MOTOR STARTER) FOR SPECIFIED EQUIPMENT SHALL BE MANUFACTURED AND MARKED PER NEC WITH A MINIMUM SHORT CIRCUIT CURRENT RATING AS INDICATED.

POWER VENTILATOR SCHEDULE

UNIT IDENTIFICATION DES.	NO.	SYSTEM SERVED	TYPE	AIRFLOW CFM	T.S.P. IN. W.G.	TIP SPEED FPM	FAN RPM	ELECTRONICALLY COMMUTATED MOTOR FLA	ECM MOP	ECM RPM	MODULATION TYPE	CURB HEIGHT INCHES	ELECTRICAL VOLTS	PHASE	SCCR KA (NOTE 3)	OPTIONS / ACCESSORIES	MODEL NUMBER	KEYED NOTES
EF	1	STORAGE EXHAUST	INLINE	280	0.50	4355	1715	2.8	15	1518	AUTO	0	120	1	5	B	SQ-90-VG	
EF	2	TRANSFORMER EXHAUST	INLINE	430	0.50	4793	1683	2.8	15	1680	AUTO	0	120	1	5	B	SQ-90-VG	
EF	3	BATHROOM EXHAUST	INLINE	560	0.50	4737	1664	2.8	15	1661	AUTO	0	120	1	5	B	SQ-95-VG	
EF	4	BATHROOM/JC EXHAUST	INLINE	180	0.50	4413	1548	2.8	15	1544	AUTO	0	120	1	5	B	SQ-80-VG	
EF	5	STORAGE EXHAUST	INLINE	160	0.50	4355	1530	2.8	15	1526	AUTO	0	120	1	5	B	SQ-80-VG	
DF	1	MEZZANINE DESTRATIFICATION	INLINE	---	---	---	3050	1.4	15	3050	MANUAL	0	208	1	5	---	AIR PEAR 45-EC	#1
DF	2	MEZZANINE DESTRATIFICATION	INLINE	---	---	---	3050	1.4	15	3050	MANUAL	0	208	1	5	---	AIR PEAR 45-EC	#1
DF	3	MEZZANINE DESTRATIFICATION	INLINE	---	---	---	3050	1.4	15	3050	MANUAL	0	208	1	5	---	AIR PEAR 45-EC	#1
DF	4	MEZZANINE DESTRATIFICATION	INLINE	---	---	---	3050	1.4	15	3050	MANUAL	0	208	1	5	---	AIR PEAR 45-EC	#1

GENERAL NOTES:
1. REFER TO SCHEDULES GENERAL NOTES.
2. MODEL NUMBERS ARE GREENHECK UNLESS OTHERWISE NOTED.
3. CONTROLLER (E.G. VARIABLE FREQUENCY CONTROLLER, MOTOR STARTER) FOR SPECIFIED EQUIPMENT SHALL BE MANUFACTURED AND MARKED PER NEC WITH A MINIMUM SHORT CIRCUIT CURRENT RATING AS INDICATED.

KEYED NOTES:
1. ELECTRICALLY COMMUTATED MOTOR; OFF WHITE COLOR. PROVIDE WITH POTENTIOMETER SPEED CONTROL DIAL (FIELD INSTALLED). REFER TO TEMPERATURE CONTROLS DRAWINGS FOR SEQUENCE.

MECHANICAL EQUIPMENT INSULATION APPLICATION SCHEDULE

	INSULATION MATIERAL & THICKNESS (INCHES): FLEXIBLE ELASTOMERIC	FIBERGLASS, LARGE DIAMETER PIPE & TANK	FIBERGLASS BOARD	POLYISOCYANURATE	PHENOLIC	CELLULAR GLASS	CALCIUM SILICATE	FIELD APPLIED JACKET MATERIAL: ALUMINUM	FIELD APPLIED JACKET MATERIAL: PVC	KEYED NOTES
DOMESTIC COLD WATER PUMPS	1		1					X	X	A
DOMESTIC HOT, COLD, AND CHILLED WATER HYDROPNEUMATIC TANKS	1	1	1					X		A

GENERAL NOTES:
1. "X" OR THICKNESS IN INCHES INDICATED ACCEPTABLE SELECTION. IF MORE THAN ONE SELECTION IS INDICATED FOR A SYSTEM, CONTRACTOR MAY SELECT FROM THOSE INDICATED.
2. REFER TO SPECIFICATIONS FOR FACTORY INSULATED EQUIPMENT.

KEYED NOTES:
A. FIELD APPLIED JACKETS NOT REQUIRED FOR FLEXIBLE ELASTOMERIC INSULATION.
B. SELECT INSULATION THICKNESS TO PROVIDE MINIMUM R-VALUE OF 12.5.

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PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

MECHANICAL SCHEDULES

ISSUE DATES

02-26-2026	D.R. 2 - CONSTRUCTION DOCUMENTS
02-12-2026	OWNER REVIEW
01-23-2026	90% CONSTRUCTION DOCUMENTS
12-19-2025	DESIGN DEVELOPMENT

DATE: ISSUED FOR:

DRAWN KRD
CHECKED KRD
APPROVED SVM

PROJECT NO.
25026E

DRAWING NO.
M7.2

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ENERGY RECOVERY UNIT SCHEDULE (A)

UNIT IDENTIFICATION			SUPPLY FAN							EXHAUST FAN						HEAT EXCHANGER (SUMMER)						HEAT EXCHANGER (WINTER)						COOLING COIL - DIRECT EXPANSION					INTEGRATED AIR COOLED CONDENSING UNIT			
				MINIMUM OUTSIDE AIRFLOW CFM (NOTE 3)					MOTOR						MOTOR	SUPPLY SIDE			EXHAUST SIDE			SUPPLY SIDE			EXHAUST SIDE											
DES.	NO.	AREA/SYSTEM SERVED	CFM	MAX-MIN	MIN-MIN	ESP"	TSP"	CONROL TYPE	BHP	HP	CFM	ESP"	TSP"	CONTROL TYPE	BHP	HP	E.A.T. °F	L.A.T. °F	A.P.D. IN. WG.	E.A.T. °F	L.A.T. °F	A.P.D. IN. WG.	E.A.T. °F	L.A.T. °F	A.P.D. IN. WG.	E.A.T. °F	L.A.T. °F	A.P.D. IN. WG.	TOTAL CAPACITY MBH	E.A.T. °F	L.A.T. °F	A.P.D. IN. WG.	ISMRE	DESIGN MAX AMBIENT TEMP. AT DX COOLING °F	DESIGN MIN. AMBIENT TEMP. AT DX COOLING °F	MINIMUM NUMBER OF CIRCUITS	REFRIG. TYPE
ERU	1	TURF ROOM	33500	15050	0	1.25	3.69	VFC	28.2	45	33500	0.50	2.14	VFC	19	22.5	91.0	81.3	0.73	75	84.7	0.72	-10	39.6	0.58	70	27.9	0.65	0	0	0	0.00	---	0	0	0	---
ERU	2	TURF ROOM	33500	15050	0	1.25	3.69	VFC	28.2	45	22500	0.50	2.14	VFC	19	22.5	91.0	81.3	0.73	75	84.7	0.72	-10	39.6	0.58	70	27.9	0.65	0	0	0	0.00	---	0	0	0	---
ERU	3	TEAM ROOMS	3300	3300	3300	1.00	4.28	VFC	3.64	5	3300	0.50	2.13	VFC	1.77	2	91.0	81.0	0.46	75	85.0	0.46	-10	39.4	0.46	70	20.9	0.46	164.1	81	55	0.30	62.3	95	45	2	R-454B

ENERGY RECOVERY UNIT SCHEDULE (B)

UNIT IDENTIFICATION		HEATING SECTION - GAS FIRED (NATURAL GAS)						OUTSIDE AIR FILTERS			RETURN FILTERS			CURB						ELECTRICAL							
		AIR TEMP.		CAPACITY (MBH)			MIN/MAX MANUFACTURER REQUIRED INLET PRESSURE AT GAS TRAIN							TYPE													
DES.	NO.	E.A.T. °F	L.A.T. °F	INPUT	OUTPUT	TURNDOWN	MIN	MAX	MERV	AREA SQ. FT.	SP" TOTAL	MERV	AREA SQ. FT.	SP" TOTAL	STANDARD	VIBRATION ISOLATION SPRING CURB	HEIGHT	UNIT WEIGHT W/ CURB (LBS.)	SA/RA CONFIG.	EA/OA CONFIG.	VOLTS	PHASE	MCA	MOP	SCCR KA	OPTIONS/ ACCESSORIES	MODEL NUMBER	KEYED NOTES
ERU	1	35	89	2400	1944	20:1	6	14	13	3.47	0.62	13	3.47	0.62	---	---	0	20900	TOP	SIDE	480	3	113.3	125	10	B	ERU-SS-PL-33-500-IF-460	1, 2, 3
ERU	2	35	89	2400	1944	20:1	6	14	13	3.47	0.62	13	3.47	0.62	---	---	0	20900	TOP	SIDE	480	3	113.3	125	10	B	ERU-SS-PL-33-500-IF-460	1, 2, 3
ERU	3	26	71	200	162	5:1	6	14	13	6.66	0.24	13	6.66	0.24	---	---	0	6600	TOP	SIDE	480	3	53.8	80	10	B	ERU-SS-PL-3300-AC-IF-460	1, 2, 3

GENERAL NOTES:
1. REFER TO SCHEDULES GENERAL NOTES.
2. MODEL NUMBERS ARE INNOVENT UNLESS OTHERWISE NOTED.SUPPLY FAN.
3. MINIMUM OUTSIDE AIRFLOW MAX-MIN CFM IS THE REQUIRED MINIMUM OUTSIDE AIRFLOW RATE WITH MAXIMUM OCCUPANT LOAD. MINIMUM OUTSIDE AIRFLOW MIN-MIN CFM IS THE REQUIRED MINIMUM OUTSIDE AIRFLOW RATE WITH ZERO OCCUPANT LOAD.
4. FLUID TYPE: W = WATER, PGXX = PROPYLENE GLYCOL SOLUTION XX PERCENTAGE OF GLYCOL, EGXX = ETHYLENE GLYCOL SOLUTION XX PERCENTAGE OF GLYCOL.
5. FOR UNITS LOCATED OUTDOORS, INSULATE AND PROVIDE ELECTRIC HEAT TRACE FOR HEAT EXCHANGER CABINET DRAIN PIPING.

KEYED NOTES:
1. COORDINATE UNIT CONFIGURATION WITH PLANS IN ORDER TO ALLOW FOR PROPER SERVICE ACCESS.
2. DESIGN MINIMUM OUTSIDE AIRFLOW CFM (VENTILATION) LISTED IS BASED ON THE ESTIMATED MAXIMUM OCCUPANT LOAD.
3. REFER TO TEMPERATURE CONTROL DRAWINGS FOR OUTSIDE AIR CONTROL SEQUENCE.

AIR TERMINAL TYPE

DUCT CONNECTIONS		DISCHARGE SOUND POWER/RADIATED SOUND POWER - dB						DIMENSIONS			
INLET SIZE INCHES	OUTLET SIZE INCHES	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	LENGTH INCHES	HEIGHT INCHES	MODEL NUMBER	KEYED NOTES
6Ø	12x8	73/66	69/63	62/52	56/42	53/40	49/36	12	8	SDV	A
8Ø	12x10	72/68	70/59	66/53	63/47	57/46	53/46	12	10	SDV	B
10Ø	14x12-1/2	78/71	70/61	65/56	61/50	58/47	53/45	14	12.5	SDV	C
12Ø	16x15	76/72	73/63	69/59	65/53	61/48	57/46	16	15	SDV	D
16Ø	24x18	78/70	73/63	70/58	68/53	64/52	59/50	24	18	SDV	E
24x16	38x18	83/74	81/69	76/63	74/54	73/48	68/41	38	18	SDV	F

GENERAL NOTES:
1. MODEL NUMBERS ARE PRICE UNLESS OTHERWISE NOTED.
2. MAXIMUM SOUND POWER LEVEL BASED ON 2" PRESSURE DROP ACROSS UNIT WITH NO ALLOWANCE FOR EXTERNAL ATTENUATION.

KEYED NOTES:
A. BASED ON 350 CFM
B. BASED ON 650 CFM
C. BASED ON 900 CFM
D. BASED ON 1500 CFM
E. BASED ON 2500 CFM
F. BASED ON 5300 CFM

GRILLE, REGISTER, AND DIFFUSER SCHEDULE

UNIT IDENTIFICATION										
DES.	NO.	TYPE	FACE SIZE	NECKSIZE	FRAME TYPE	ACCESSORY	CONSTRUCTION	FINISH	MODEL NUMBER	KEYED NOTES
S	1	DIFFUSER	24x24	SEE PLANS	NOTE 2	---	STEEL	NOTE 3	SPD	
S	2	DIFFUSER	NECK + 1-1/4	SEE PLANS	NOTE 2	---	STEEL	NOTE 3	500	
R	1	GRILLE	24x24	SEE PLANS	NOTE 2	---	STEEL	NOTE 3	PDDR	
R	2	GRILLE	24x12	SEE PLANS	NOTE 2	---	STEEL	NOTE 3	PDDR	
R	3	GRILLE	NECK + 1-1/4	SEE PLANS	NOTE 2	---	STEEL	NOTE 3	500	
E	1	GRILLE	24x24	SEE PLANS	NOTE 2	---	STEEL	NOTE 3	PDDR	
E	2	GRILLE	12x12	SEE PLANS	NOTE 2	---	STEEL	NOTE 3	PDDR	
E	3	GRILLE	NECK + 1-1/4	SEE PLANS	NOTE 2	---	STEEL	NOTE 3	500	

GENERAL NOTES:
1. MODEL NUMBERS ARE TITUS UNLESS OTHERWISE NOTED.
2. COORDINATE FRAME TYPE WITH ARCHITECTURAL TRADES.
3. COORDINATE FINISH TYPE WITH ARCHITECTURAL TRADES.

AIR TERMINAL UNIT WITH ELECTRIC COIL SCHEDULE

UNIT IDENTIFICATION					AIR FLOW				HEATING COIL								
									AIR		ELECTRICAL						
DES.	NO.	INLET SIZE INCHES	AREA SERVED	UNIT SERVED FROM	COOLING MAXIMUM CFM	MINIMUM CFM	HEATING MAXIMUM CFM	MAXIMUM A.P.D. IN. W.G.	E.D.B. °F	L.D.B. °F	CAPACITY KW	NUMBER OF STAGES	VOLTS	PHASE	SCCR KA	OPTIONS / ACCESSORIES	MODEL NUMBER
TU	01	12Ø	A131 - TEAM ROOM	ERU-3	1040	910	1040	0.25	55	85	8.8	SCR	480	3	5	A	SDV
TU	02	12Ø	A130 - TEAM ROOM	ERU-3	900	880	900	0.25	55	85	8.4	SCR	480	3	5	A	SDV
TU	03	6Ø	A126 - TRAINING	ERU-3	180	90	180	0.25	55	85	1.3	SCR	208	1	5	A	SDV
TU	04	12Ø	A124 - MULTI-PURPOSE	ERU-3	1160	900	1095	0.25	55	80	8.7	SCR	480	3	5	A	SDV

GENERAL NOTES:
1. REFER TO SCHEDULES GENERAL NOTES.
2. MODEL NUMBERS ARE TITUS UNLESS OTHERWISE NOTED.
3. COIL HEATING CAPACITY IS BASED ON HEATING CFM.
4. MAXIMUM AIR PRESSURE DROP IS BASED ON MAXIMUM CFM AND INCLUDES THE PRESSURE DROP OF THE ENTIRE ASSEMBLY INCLUDING HEATING COIL.

ELECTRIC CENTRIFUGAL FAN CABINET UNIT HEATER SCHEDULE

UNIT IDENTIFICATION			AIR			FAN		HEATING ELEMENT		DIMENSIONS			RECESS DEPTH INCHES	FILTER		MODULATION / CONTROL TYPE	ELECTRICAL							
DES.	NO.	CAPACITY MBH	AIRFLOW CFM	E.D.B. °F	L.D.B. °F	HP	RPM	1ST STAGE KW	TOTAL KW	LENGTH INCHES	HEIGHT INCHES	DEPTH INCHES		TYPE	AREA SQ. FT.		VOLTS	PHASE	FLA	MOP	SCCR KA	OPTIONS / ACCESSORIES	MODEL NUMBER	KEYED NOTES
ECUH	1	20.5	500	60.0	103.6	0.13	1550	4	6	46	10	25	10.0	PLEATED	7.98	AUTO	480	3	8.1	15	5	A	6346D064812	
ECUH	2	20.5	500	60.0	103.6	0.13	1550	4	6	46	10	25	10.0	PLEATED	7.98	AUTO	480	3	8.1	15	5	A	6346D064812	
ECUH	3	81.9	1000	60.0	132.8	0.13	1550	12	24	79	25	10	4.5	PLEATED	13.72	AUTO	480	3	30.7	45	5	A	6379D242033	
ECUH	4	20.5	500	60.0	103.6	0.13	1550	4	6	46	10	25	10.0	PLEATED	7.98	AUTO	480	3	8.1	15	5	A	6346D064812	
ECUH	5	81.9	1000	60.0	132.8	0.13	1550	12	24	79	25	10	4.5	PLEATED	13.71	AUTO	480	3	30.7	45	5	A	6379D242033	
ECUH	6	20.5	500	60.0	103.6	0.13	1550	4	6	46	10	25	10.0	PLEATED	7.98	AUTO	480	3	8.1	15	5	A	6346D064812	

GENERAL NOTES:
1. REFER TO SCHEDULES GENERAL NOTES.
2. MODEL NUMBERS ARE MARKEL UNLESS OTHERWISE NOTED.

ELECTRIC PROPELLER FAN UNIT HEATER SCHEDULE

UNIT IDENTIFICATION			FAN						ELECTRICAL							
DES.	NO.	CAPACITY MBH	RPM	CFM	HEATING ELEMENT KW	FINAL AIR TEMPERATURE °F	MOTOR HP	MODULATION / CONTROL TYPE	VOLTS	PHASE	FLA	MOP	SCCR KA	OPTIONS / ACCESSORIES	MODEL NUMBER	KEYED NOTES
EUH	1	11.2	1750	400	3.3	85.9	0.125	AUTO	480	3	4.0	15	5	A	P3PUH03CA1	
EUH	2	34.1	1750	575	10	99.4	0.125	AUTO	480	3	12.1	20	5	A	P3PUH10CA1	
EUH	3	17	1750	400	5	99.4	0.125	AUTO	480	3	6.1	15	5	A	P3PUH10CA1	
EUH	4	102	1750	1350	30	130.1	0.125	AUTO	480	3	36.1	50	5	A	P3PUH30CA1	
EUH	5	102	1750	1350	30	130.1	0.125	AUTO	480	3	36.1	50	5	A	P3PUH30CA1	
EUH	6	17	1750	400	5	99.4	0.125	AUTO	480	3	6.1	15	5	A	P3PUH10CA1	
EUH	7	17	1750	400	5	99.4	0.125	AUTO	480	3	6.1	15	5	A	P3PUH10CA1	
EUH	8	11.2	1750	400	3.3	85.9	0.125	AUTO	480	3	4.0	15	5	A	P3PUH03CA1	

GENERAL NOTES:
1. REFER TO SCHEDULES GENERAL NOTES.
2. MODEL NUMBERS ARE TRANE UNLESS OTHERWISE NOTED.

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PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

MECHANICAL SCHEDULES

ISSUE DATES

DATE:	ISSUED FOR:
02-26-2026	D.R. 2 - CONSTRUCTION DOCUMENTS
02-12-2026	OWNER REVIEW
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DRAWN	KRD
CHECKED	KRD
APPROVED	SVM

PROJECT NO.
25026E

DRAWING NO.
M7.3

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TEMPERATURE CONTROL - SYMBOLS LIST

SCHEMATIC SYMBOLS

SYMBOL	DESCRIPTION
AQ	AQUASTAT, STRAP ON BULB
CO2	CARBON DIOXIDE SENSOR – WALL MOUNTED
CO2	CARBON DIOXIDE SENSOR – DUCT MOUNTED
CS	CURRENT SWITCH
CT	CURRENT TRANSDUCER
	DAMPER – OPPOSED BLADE
	DAMPER – PARALLEL BLADE
M	DAMPER MOTOR
DPS	DIFFERENTIAL PRESSURE SWITCH
DPT	DIFFERENTIAL PRESSURE TRANSMITTER
CM	FIRE ALARM SYSTEM, ADDRESSABLE CONTROL MODULE
FM	FLOW METER
FS	FLOW SWITCH
FZ	FREEZESTAT
	GUARD FOR STAT OR SENSOR
	HUMIDIFIER
H	HUMIDISTAT OR HUMIDITY SENSOR (AS DEFINED ON TC DRAWINGS)
H	HUMIDITY SENSOR, DUCT MOUNTED
LVL	LEVEL SWITCH OR TRANSMITTER
LS	LIMIT SWITCH
	LINE – ELECTRIC
	LINE – INSTRUMENT AIR (PNEUMATIC)
M/S	MOTOR STARTER
OS	OCCUPANCY SENSOR
PT	PRESSURE TRANSMITTER
R	RELAY, ELECTRIC
S/N	SELECTOR SWITCH, (N=NUMBER OF POSITIONS)
AI	SIGNAL – DDC/BAS, ANALOG INPUT
AO	SIGNAL – DDC/BAS, ANALOG OUTPUT
DI	SIGNAL – DDC/BAS, DIGITAL INPUT
DO	SIGNAL – DDC/BAS, DIGITAL OUTPUT
AI	SIGNAL – PACKAGED EQUIPMENT, ANALOG INPUT
AO	SIGNAL – PACKAGED EQUIPMENT, ANALOG OUTPUT
BI	SIGNAL – PACKAGED EQUIPMENT, DIGITAL INPUT
BO	SIGNAL – PACKAGED EQUIPMENT, DIGITAL OUTPUT
DD	SMOKE DETECTOR – DUCT MOUNTED
S/S	START/STOP RELAY
SPT	STATIC PRESSURE TRANSMITTER
SP	STATIC PRESSURE SENSOR OR PROBE

SCHEMATIC SYMBOLS (CONT.)

SYMBOL	DESCRIPTION
SW	SWITCH
T	TEMPERATURE SENSOR – RIGID ELEMENT IN WELL
T	TEMPERATURE SENSOR – STRAP ON BULB
T	TEMP SENSOR – DUCT MOUNTED AVG ELEMENT
T	TEMP SENSOR – DUCT MOUNTED RIGID ELEMENT
T	THERMOSTAT OR TEMPERATURE SENSOR (AS DEFINED ON TC DRAWINGS)
TMR	TIMER SWITCH
XF	TRANSFORMER
	VALVE – 2 WAY CONTROL VALVE
	VALVE – 3 WAY CONTROL VALVE
VFC	VARIABLE FREQUENCY CONTROLLER
VS	VELOCITY SENSOR
VIB	VIBRATION SWITCH

WIRING SYMBOLS

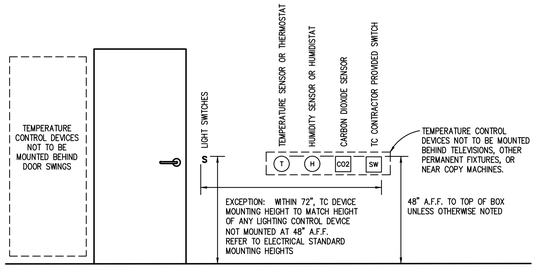
M/S	COIL – MOTOR STARTER CONTACTOR
R	COIL – RELAY
	CONTACT – INSTANT OPERATING, NO
	CONTACT – INSTANT OPERATING, NC
	GROUND
	MOTOR, SINGLE PHASE
	PUSH BUTTON – MOMENTARY, NC (MUSHROOM HEAD)
H O A	SWITCH – 3 POSITION SELECTOR HAND/OFF/AUTO
	SWITCH – FLOW (AIR, WATER, ETC.), NO
	SWITCH – LIMIT, NO
	SWITCH – PRESSURE & VACUUM, NC
	SWITCH – TEMPERATURE ACTUATED, NO
OLs	THERMAL OVERLOAD, SINGLE PHASE
	THERMAL OVERLOAD CONTACTS–3 PHASE
	TRANSFORMER
	WIRE TERMINATION AT DEVICE
	WIRE TO WIRE TERMINATION
	WIRING NOT CONNECTED

ABBREVIATIONS

ABBREVIATION	DESCRIPTION
BAS	BUILDING AUTOMATION SYSTEM
DDC	DIRECT DIGITAL CONTROL
TC	TEMPERATURE CONTROLS
NO	NORMALLY OPEN
NC	NORMALLY CLOSED

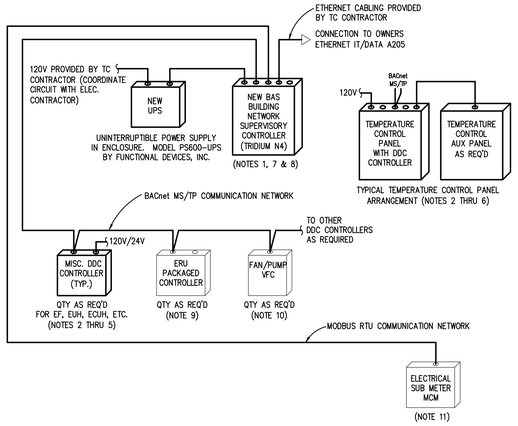
NOTES:

1. SOME SYMBOLS & ABBREVIATIONS SHOWN MAY NOT APPLY TO THIS PROJECT.
2. REFER TO MECHANICAL STANDARDS ON DRAWING M0.1 FOR ADDITIONAL SYMBOLS & ABBREVIATIONS THAT MAY BE USED ON TEMPERATURE CONTROL DRAWINGS.



TC DEVICE STANDARD MOUNTING HEIGHTS DETAIL

NO SCALE

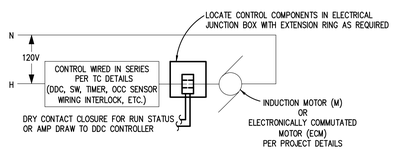


BUILDING AUTOMATION SYSTEM ARCHITECTURE

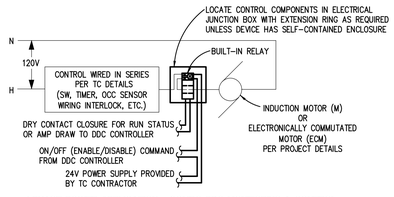
NO SCALE

NOTES:

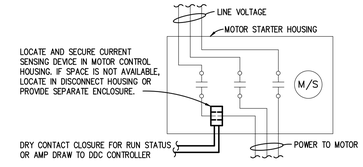
1. BUILDING AUTOMATION SYSTEM FOR BUILDING IS TO BE COMPRISED OF JOHNSON CONTROLS FACILITY EXPLORER (FX) BACNET MS/TP CONTROLLERS CONNECTED TO EXISTING TRIDIUM NIAGARA 4 (N4) OPERATOR INTERFACE PLATFORM.
2. REFER TO TEMPERATURE CONTROL SCHEMATICS FOR THE REQUIRED POINTS ASSOCIATED FOR EACH NEW HVAC SYSTEM PER MECHANICAL DRAWINGS.
3. TC CONTRACTOR SHALL DETERMINE DDC CONTROLLER QUANTITY AND AUXILIARY PANEL REQUIREMENTS BASED ON POINT DENSITIES AND LOCATIONS PER AVAILABLE MOUNTING SPACE. UNLESS SPECIFICALLY NOTED IN DESIGN DRAWINGS, TC CONTRACTOR SHALL LOCATE TEMPERATURE CONTROL PANELS WITH CONTROLLERS AND AUX COMPONENTS AS REQUIRED. COORDINATE WITH OTHER TRADES.
4. TC CONTRACTOR SHALL PROVIDE REQUIRED POWER SUPPLIES AS INDICATED IN TC GENERAL NOTES.
5. TC CONTRACTOR SHALL PROVIDE 24V TRANSFORMERS REQUIRED FOR TC CONTRACTOR PROVIDED CONTROLLERS AS REQUIRED. TRANSFORMERS SHALL BE LOCATED WITHIN EQUIPMENT ENCLOSURES OR OTHER TC PROVIDED ENCLOSURES TO BE LOCATED IN MECHANICAL OR ELECTRICAL ROOMS – COORDINATE LOCATIONS. MAXIMUM TRANSFORMER SIZE SHALL BE 100VA.
6. TC CONTRACTOR SHALL PROVIDE AUXILIARY PANEL FOR GAUGES, TRANSMITTERS, RELAYS, POWER TRANSFORMERS, ETC
7. ETHERNET CABLE FROM NETWORK SWITCH TO NEW NETWORK SUPERVISOR (JACE) PROVIDED BY OWNER. COORDINATE INSTALLATION AS REQUIRED WITH OWNER'S INFORMATION TECHNOLOGY PERSONNEL
8. GRAPHICS FOR OPERATOR INTERFACE OF SYSTEMS ARE TO BE BUILT ON THE EXISTING TRIDIUM N4 SERVER APPLICATION SOFTWARE LOCATED ON THE DISTRICT'S IT NETWORK. TC CONTRACTOR RESPONSIBLE TO FOLLOW EXISTING DISTRICT BAS GRAPHIC STANDARDS FOR ALL NEW SYSTEMS ADDED UNDER THIS PROJECT.
9. DDC CONTROLLERS FOR PACKAGED CONTROL EQUIPMENT SHALL INCLUDE BACNET MS/TP INTERFACE CARDS FOR THIS PROJECT. TC CONTRACTOR TO PROVIDE BACNET NETWORK WIRING TO PACKAGED CONTROLLERS.
10. TC CONTRACTOR SHALL PROVIDE BACnet COMMUNICATION TO VARIABLE FREQUENCY CONTROLLERS FOR NEW EQUIPMENT WHERE APPLICABLE FOR ADDITIONAL MONITORING INFORMATION. REFER TO VFC BACnet INTERFACE & MONITORING REQUIREMENTS DETAIL.
11. TC CONTRACTOR SHALL PROVIDE MODBUS RTU COMMUNICATION NETWORK TO ELECTRICAL SUB METER TO BAS SUPERVISORY CONTROLLER. REFER TO E5.1 ELECTRICAL ONE LINE DIAGRAM AND TC DETAIL FOR ADDITIONAL INFORMATION.



1-PHASE POWER APPLICATION - DDC MONITORING



1-PHASE POWER APPLICATION - COMBO DDC MONITORING & CONTROL



3-PHASE POWER APPLICATION - DDC MONITORING

CURRENT SWITCH INSTALLATION DETAILS

TYPICAL

NOTES:

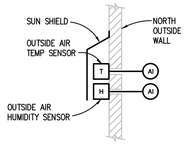
1. CURRENT SWITCH (CS) OR CURRENT TRANSDUCER (CT) AMP MONITORING AS APPLICABLE PER CONTROL DETAILS SHALL BE INSTALLED FOR DDC SYSTEM STATUS INDICATION OF FAN OR PUMP OPERATION. APPROPRIATE TIME DELAY FOR STATUS FEEDBACK UPON DDC START AND STOP COMMANDS SHALL BE INCLUDED WITH THE DDC LOGIC TO AVOID NUISANCE OPERATIONAL ALARMS.
2. REVIEW EQUIPMENT SHOP DRAWINGS TO DETERMINE POTENTIAL AMPERAGE RANGE OF FAN OR PUMP OPERATION FOR AMPERAGE TRIP SETTING REQUIREMENTS PRIOR TO SELECTING APPROPRIATE CURRENT SWITCH (MINIMUM SPEED AMPERAGE FOR FPTU WITH ECM CAN BE VERY LOW).
3. FOR ECM CURRENT SWITCH APPLICATIONS: PROVIDE CURRENT SWITCH RATED FOR ECM OPERATION WITH AMPERAGE TRIP SETTING HIGHER THAN TRICKLE/IDLE/STANDBY AMPERAGE ASSOCIATED WITH ECM WHEN OFF AND AMPERAGE TRIP SETTING LOWER THAN THE MINIMUM SPEED OPERATION OF FAN OR PUMP AS SET BY THE TAB CONTRACTOR.
4. FOR INDUCTION MOTOR CURRENT SWITCH APPLICATIONS (AS APPLICABLE): AMPERAGE TRIP SETTING SHALL BE ADJUSTABLE TO ACCOMMODATE VFC MINIMUM SPEED SETTING, TO DETECT FAN BELT LOSS, OR TO DETECT PUMP COUPLING DETACHMENT.
5. WHEN FAN OR PUMP IS ON AND NOT IN ALARM, DDC SYSTEM SHALL TOTALIZE RUN TIME HOURS FOR OPERATOR INFORMATION FROM BUILDING AUTOMATION SYSTEM OPERATOR INTERFACE.

OA SENSOR INSTALLATION DETAIL

NO SCALE

NOTES:

1. TC CONTRACTOR HAS THE OPTION OF USING EXISTING OA TEMP AND HUMIDITY SENSORS AS AVAILABLE FOR BUILDING.
2. CALCULATE OA ENTHALPY OR DEW POINT TEMPERATURE AS REQUIRED PER SEQUENCE OF OPERATION REQUIREMENTS.
3. BROADCAST OUTSIDE AIR TEMPERATURE, HUMIDITY, AND CALCULATED OA ENTHALPY OR DEWPOINT TEMPERATURE, AS REQUIRED, THROUGH BAS COMMUNICATION NETWORK TO CONTROLLERS REQUIRING INFORMATION FOR DDC PROGRAMMING LOGIC.

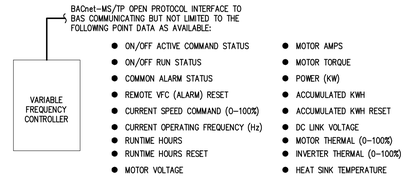


VFC BACnet INTERFACE & MONITORING REQUIREMENTS

TYPICAL FOR NEW FAN & PUMP VFCs

NOTE:

TC CONTRACTOR SHALL COORDINATE BACnet-MS/TP OPEN PROTOCOL WIRE TERMINATION REQUIREMENTS AND POINT INTEGRATION CAPABILITIES WITH VFC SUPPLIER/MANUFACTURER AND PROVIDE APPROPRIATE BAS COMPONENTS FOR COMMUNICATION INTERFACE TO BAS.



TC GENERAL NOTES

1. THESE GENERAL NOTES SHALL BE APPLICABLE FOR ALL TEMPERATURE CONTROL (TC) DRAWINGS.
2. "PROVIDE" IS DEFINED AS "FURNISH AND INSTALL".
3. TEMPERATURE CONTROLS CONTRACTOR (TC CONTRACTOR) SHALL BE RESPONSIBLE TO COMPLY WITH ALL APPLICABLE CODES AND STANDARDS.
4. FOR TEMPERATURE CONTROL DRAWINGS ONLY: ALL DETAILED INFORMATION IDENTIFIED WITH HEAVY LINE WEIGHT SHALL BE PROVIDED BY TC CONTRACTOR. ALL OTHER INFORMATION IDENTIFIED WITH LIGHT LINE WEIGHT SHALL BE PROVIDED BY OTHER TRADES.
5. ALL CONTROL SCHEMATICS AND WIRING DIAGRAMS ARE FOR THE CLARIFICATION OF EQUIPMENT INTERLOCKING FUNCTIONS AND THE INTERFACE OF VARIOUS CONTRACTORS' WORK AND SHALL NOT BE MISTAKEN AS SHOP DRAWINGS FOR ACTUAL INSTALLATION.
6. TC CONTRACTOR SHALL PROVIDE DDC CONTROLLERS AS REQUIRED TO MEET INTENT OF DESIGN DOCUMENTS. REFER TO THE PLANS FOR THE DDC FUNCTIONS THAT APPLY TO EACH MECHANICAL SYSTEM.
7. ALL TC PROVIDED COMPONENTS AND ALL TC CONTRACTOR INSTALLED WIRING SHALL BE LABELED PER SPECIFICATIONS.
8. ALL WIRING AND SYSTEM CONTROL VOLTAGES SHALL BE IN ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATION AND THE ELECTRICAL SPECIFICATIONS.
9. VARIABLE FREQUENCY CONTROLLER, FAN AND PUMP MOTOR STARTERS, STARTER WIRING, CONTROL VOLTAGE TRANSFORMERS AND ASSOCIATED POWER WIRING SHALL BE PROVIDED BY OTHER TRADES.
10. DUCT SMOKE DETECTORS SHALL BE FURNISHED, INSTALLED AND WIRED TO THE FIRE ALARM SYSTEM BY THE ELECTRICAL CONTRACTOR. ELECTRICAL SHALL PROVIDE FIRE ALARM SYSTEM CONTROL MODULES FOR REQUIRED SAFETIES TO MOTOR STARTERS OR VFC'S AS INDICATED. CONTROL MODULES SHALL BE LOCATED NEAR RESPECTIVE MOTOR STARTERS OR VFCs. TC CONTRACTOR SHALL PROVIDE INTERLOCK WIRING FROM CONTROL MODULES TO MOTOR STARTERS OR VFCs.
11. ALL DDC AND CONTROL INTERLOCK WIRING SHALL BE BY TC CONTRACTOR UNLESS OTHERWISE NOTED. TC CONTRACTOR SHALL COORDINATE WITH VFC AND MOTOR STARTER SUPPLIERS TO DETERMINE EXACT WIRING REQUIREMENTS AND TERMINATION POINTS.
12. ALL DDC AND CONTROL INTERLOCK WIRING BETWEEN COMPONENTS SHALL BE INSTALLED WITHOUT INTERMEDIATE STOPS. WIRE SPLICING AT INTERMEDIATE TERMINAL STRIPS IS NOT ACCEPTABLE.
13. ALL ELECTRICAL WIRING AND RACEWAY SYSTEMS SHALL COMPLY WITH ELECTRICAL SPECIFICATION REQUIREMENTS. WHERE RACEWAY IS REQUIRED, TWO SEPARATE ELECTRICAL RACEWAY SYSTEMS SHALL BE PROVIDED: ONE FOR 120V WIRING AND THE OTHER FOR 24V WIRING.
14. TC CONTRACTOR SHALL BE RESPONSIBLE FOR ALL POWER SUPPLIES REQUIRED FOR TC SYSTEM UNLESS OTHERWISE NOTED. REFER TO ELECTRICAL PANEL SCHEDULES FOR SPARE CIRCUITS OR CIRCUITS DEDICATED TO TEMPERATURE CONTROLS. COORDINATE CIRCUIT USE WITH ELECTRICAL CONTRACTOR.
15. TC CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL FIELD MOUNTED COMPONENTS.
16. REFER TO TEMPERATURE CONTROLS STANDARD MOUNTING HEIGHTS DETAIL FOR ELEVATIONS OF WALL MOUNTED TEMPERATURE CONTROL DEVICES. PROVIDE WALL MOUNTED DEVICE GUARDS WHERE INDICATED ON TC DETAILS OR AT SPECIFIC LOCATIONS INDICATED ON MECHANICAL FLOOR PLANS.
17. TC CONTRACTOR SHALL PROVIDE AUXILIARY PANELS FOR REQUIRED PANEL MOUNTED EQUIPMENT SUCH AS RELAYS, TRANSDUCERS, CONTROL TRANSFORMERS, ETC. AUXILIARY PANELS SHALL BE LOCATED NEXT TO ASSOCIATED DDC PANEL. DEPENDING ON WIRE QUANTITY OR COMPLEXITY, PROVIDE CONDUITS BETWEEN PANELS OR WIRING THROUGH WITH CONDUIT STUBS ABOVE ALL ASSOCIATED PANELS.
18. REMOTELY MOUNTED FIELD DEVICES SUCH AS RELAYS, CONTROL TRANSFORMERS, ETC., SHALL BE HOUSED IN AN ENCLOSURE PROVIDED BY THE TC CONTRACTOR.
19. CONTROL TRANSFORMERS WHEN REQUIRED SHALL BE SIZED FOR 150% OF ACTUAL LOAD.
20. FREEZESTATS SHALL BE MOUNTED ON UPSTREAM FACE OF COOLING COILS. FREEZESTAT QUANTITY SHALL BE ONE PER 20 SQ. FT OF CROSS SECTIONAL AREA.
21. CURRENT SWITCHES USED FOR OPERATIONAL STATUS SHALL HAVE CURRENT THRESHOLD SETPOINT ADJUSTED TO INDICATE BELT OR DRIVE FAILURE.
22. ALL CONTROL VALVES, CONTROL DAMPERS AND ASSOCIATED CONTROL ACTUATORS IDENTIFIED ON TC DRAWINGS SHALL BE FURNISHED BY TC CONTRACTOR UNLESS OTHERWISE NOTED. DAMPER SIZE AND LOCATIONS ARE INDICATED ON MECHANICAL FLOOR PLAN DRAWINGS.
23. ALL CONTROL VALVES AND DAMPERS FURNISHED BY THE TC CONTRACTOR SHALL BE INSTALLED BY THE MECHANICAL CONTRACTOR. ALL PIPE PENETRATIONS AND BASIC FITTINGS REQUIRED FOR SENSOR INSTALLATIONS SHALL BE PROVIDED BY MECHANICAL CONTRACTOR.
24. DAMPER ACTUATORS SHALL BE INSTALLED BY TC CONTRACTOR WHEN FURNISHED BY TC CONTRACTOR.
25. ALL INSTRUMENTATION TUBING REQUIRED FOR DPS AND DPT COMPONENT INSTALLATIONS SHALL BE PROVIDED BY TC CONTRACTOR.
26. TC CONTRACTOR SHALL FIELD MOUNT ALL REQUIRED "SHIPPED LOOSE" PACKAGED CONTROL COMPONENTS FURNISHED BY EQUIPMENT SUPPLIERS WHERE INDICATED. ALL REQUIRED 24V AND 120V FIELD WIRING SHALL BE PROVIDED BY TC CONTRACTOR UNLESS NOTED OTHERWISE. TC CONTRACTOR SHALL COORDINATE SPECIFIC SYSTEM WIRING REQUIREMENTS WITH PACKAGED EQUIPMENT SUPPLIERS.

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PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

TEMPERATURE CONTROLS

ISSUE DATES

DATE:	ISSUED FOR:
02-26-2026	D.R. 2 - CONSTRUCTION DOCUMENTS
02-12-2026	OWNER REVIEW
01-23-2026	90% CONSTRUCTION DOCUMENTS
12-19-2025	DESIGN DEVELOPMENT

DRAWN	WJU
CHECKED	KRD
APPROVED	SVM

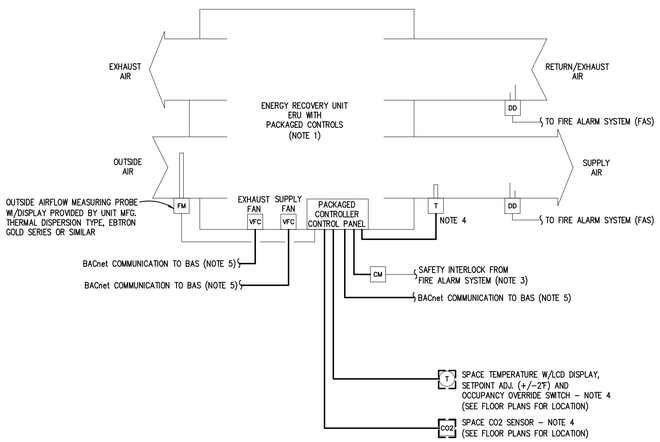
PROJECT NO.

25026E

DRAWING NO.

M8.1

g:\2025\2025-0327-00\CAD\2025-0327-M8-CP.dwg, M8.1, 2/26/2026 10:20:41 AM, Tonya L. Cavanaugh, None .0.09448, Peter Basso Associates Inc.



SINGLE ZONE CAV PACKAGED ENERGY RECOVERY UNIT (ERU-1 & ERU-2) FIELD INSTALLATION & CONTROL

TYPICAL EXCEPT WHERE NOTED. APPLICABLE FOR THE FOLLOWING UNITS:

ERU-1 SERVES NORTH FIELD HOUSE
ERU-2 SERVES SOUTH FIELD HOUSE

NOTES:

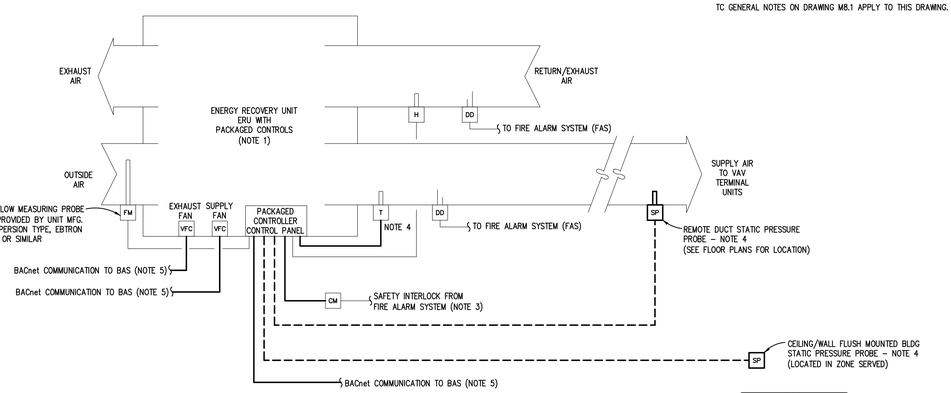
1. ENERGY RECOVERY UNIT (ERU) WITH INDIRECT FIRED FURNACE, PLATE & FRAME HEAT EXCHANGER FOR ENERGY RECOVERY SHALL BE SUPPLIED FOR PROJECT WITH PACKAGED CONTROLS FOR CAV SINGLE ZONE SPACE TEMPERATURE CONTROL APPLICATION WITH 100% ECONOMIZER COMPARATIVE AND DEMAND VENTILATION MODE BASED ON SPACE CO2. ALL CONTROL DAMPERS AND REQUIRED SENSORS TO BE FURNISHED BY UNIT SUPPLIER, SOME REQUIRING FIELD INSTALLATION AS INDICATED. PACKAGED CONTROLS TO INCLUDE BACnet COMMUNICATION INTERFACE FOR BAS SCHEDULING, SPACE TEMP SETPOINT ADJUSTMENTS.
2. UNIT SINGLE POINT CONNECTION POWER SUPPLY SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR.
3. ELECTRICAL CONTRACTOR SHALL PROVIDE FIRE ALARM SYSTEM COMPONENTS AND WIRING FROM FIRE ALARM PANEL TO CONTROL MODULE. TC CONTRACTOR SHALL PROVIDE WIRING FROM CONTROL MODULE TO UNIT SAFETY CUTOUT CIRCUIT.
4. TC CONTRACTOR SHALL FIELD INSTALL LOOSE COMPONENTS AND PROVIDE CONTROL FIELD WIRING AS INDICATED PLUS ANY MISCELLANEOUS FIELD CONTROL WIRING THAT MAY BE REQUIRED FOR PACKAGED UNIT THAT IS NOT SHOWN. TC CONTRACTOR SHALL PROVIDE GUARDS FOR ALL SPACE SENSORS.
5. TC CONTRACTOR SHALL PROVIDE BACnet COMMUNICATION INTERFACE WIRING FROM UNIT CONTROL PANEL TO BAS NETWORK SUPERVISORY CONTROLLER.
6. COORDINATE ALL FIELD WIRING REQUIREMENTS AND TERMINATIONS WITH UNIT SUPPLIER.

SEQUENCE OF OPERATION – ERU CAV SINGLE ZONE WITH DCV:

1. ERU SINGLE ZONE CAV PACKAGED CONTROLS SHALL MAINTAIN EFFECTIVE OCCUPIED/UNOCCUPIED SPACE TEMP SETPOINT (ADJUSTABLE THRU BAS) PER OCCUPIED MODE SCHEDULING THRU BAS. PACKAGED CONTROL SHALL MAINTAIN SUPPLY AND EXHAUST FANS AT DESIGN CFM, MODULATE ENERGY RECOVERY HX FACE & BYPASS AND RECIRC DAMPERS, GAS BURNER HEATING CONTROL AS REQUIRED TO MAINTAIN SPACE TEMPERATURE SETPOINT. PACKAGED CONTROL SHALL INCLUDE OUTDOOR AIRFLOW MONITORING FOR MINIMUM OUTSIDE AIR DAMPER CONTROL TO SATISFY MINIMUM OUTSIDE AIR CFM. DAMPER CONTROL SHALL INCLUDE COMPARATIVE ENTHALPY ECONOMIZER CONTROL TO MODULATE DAMPERS ABOVE MINIMUM OA CFM SETTING TO PROVIDE FREE COOLING WHEN AVAILABLE.
2. BACnet OPEN PROTOCOL COMMUNICATIONS INTERFACE SHALL BE PROVIDED WITH PACKAGED CONTROLS AND CONNECTED TO OWNER'S BUILDING AUTOMATION SYSTEM THAT SHALL ALLOW UNIT SCHEDULING, FAN STATUSES, SPACE TEMPERATURE ADJUSTMENT AND ADDITIONAL UNIT MONITORING AS AVAILABLE.
3. PACKAGED CONTROLS SHALL INCLUDE DEMAND CONTROL VENTILATION TO MODULATE MIXING DAMPERS ABOVE MIN-MIN OA DAMPER SETTING TO MAINTAIN SPACE CO2 (AS SENSED BY RETURN AIR CO2 SENSOR) HI-LIMIT SETPOINT OF 800 PPM (ADJ.) WITH DAMPER MODULATION LIMITED BY MAX-MIN DAMPER SETTING (EXCEPT WHEN OA DAMPER ECONOMIZER IS ACTIVE).
4. FOR OCCUPIED MODE, PACKAGE CONTROLS SHALL OPERATE ERU CONTINUOUSLY AND CONTROL ENERGY RECOVERY HX DURING DESIGN SUMMER AND WINTER CONDITIONS FOR OUTSIDE AIR SENSIBLE AND LATENT LOAD REDUCTION FROM SPACE EXHAUST AIR. PACKAGE CONTROLS SHALL INCLUDE HEAT EXCHANGER FROST PROTECTION MODE.
5. FOR UNOCCUPIED MODE, ERU SHALL BE CYCLED ON AND OFF AS REQUIRED BASED ON UNOCCUPIED MODE HEATING SPACE TEMP SETPOINTS. DAMPERS SHALL REMAIN IN RECIRC MODE.
6. EXHAUST FAN SHALL BE ACTIVATED BY PACKAGED CONTROLS BASED ON SOFTWARE INTERLOCK WITH SF FOR OCCUPIED MODE. EXHAUST FAN SPEED SHALL BE MAINTAINED BY PACKAGE CONTROLS TO MAINTAIN A NEUTRAL SPACE PRESSURE. COORDINATE SETTINGS WITH AIR BALANCE CONTRACTOR.
7. PACKAGED CONTROLS SHALL INCLUDE DAT LOW TEMPERATURE SAFETY CUTOUT TO DEACTIVATE SUPPLY FAN WHEN TEMPERATURE IS 35°F OR BELOW AFTER 300 SECOND (ADJ.) TIME DELAY.
8. DUCT SMOKE DETECTOR(S) SHALL DEACTIVATE UNIT THRU FIRE ALARM SYSTEM CONTROL MODULE WHEN PRODUCTS OF COMBUSTION ARE DETECTED.
9. TC CONTRACTOR SHALL PROVIDE BACnet COMMUNICATION INTERFACE WIRING FROM UNIT CONTROL PANEL TO NEW BAS NETWORK SUPERVISORY CONTROLLER, COMMUNICATING BUT NOT LIMITED TO THE FOLLOWING POINTS AS AVAILABLE:
   - OCCUPANCY MODE SCHEDULER (FROM BAS)
   - EFFECTIVE OCCUPANCY MODE (TO BAS)
   - SUPPLY FAN COMMAND STATUS (TO BAS)
   - SUPPLY FAN RUN STATUS (TO BAS)
   - SUPPLY FAN SPEED COMMAND STATUS (TO BAS)
   - EXHAUST FAN COMMAND STATUS (TO BAS)
   - EXHAUST FAN RUN STATUS (TO BAS)
   - EXHAUST FAN SPEED COMMAND STATUS (TO BAS)
   - ENERGY RECOVERY HX FACE & BYPASS DAMPER OUTPUT (TO BAS)
   - ENERGY RECOVERY HX RECIRC DAMPER OUTPUT (TO BAS)
   - ENERGY RECOVERY HX DEFROST MODE (TO BAS)
   - OCCUPIED SPACE HEATING TEMP SETPOINT (FROM BAS)
   - UNOCCUPIED SPACE HEATING TEMP SETPOINT (FROM BAS)
   - EFFECTIVE SPACE TEMP SETPOINT (TO BAS)
   - SPACE TEMPERATURE (TO BAS)
   - DISCHARGE AIR TEMP (TO BAS)
   - HEATING MODE STATUS (TO BAS)
   - HEATING OUTPUT STATUS (TO BAS)
   - SPACE CO2 DCV PPM SETPOINT (FROM BAS)
   - SPACE CO2 (TO BAS)
   - OA DAMPER MIN-MINIMUM CFM SETPOINT (FROM BAS)
   - OA DAMPER MAX-MINIMUM CFM SETPOINT (FROM BAS)
   - DAMPER OUTPUT STATUS (TO BAS)
   - DAMPER ECONOMIZER ENABLE STATUS (TO BAS)
   - DIRTY FILTER STATUS (TO BAS)
   - MISC UNIT TEMPERATURE MONITORING (TO BAS)
   - TEMP SENSOR FAILURE ALARMS (TO BAS)
   - UNIT SAFETY CUTOUT ALARMS (TO BAS)
   - OTHER MISC ALARMS (TO BAS)

TC GENERAL NOTES

TC GENERAL NOTES ON DRAWING M8.1 APPLY TO THIS DRAWING.



BAS DAT RESET SCHEDULE	
OAT	DAT
≤30°F	60°F
≥65°F	55°F

BAS TO PROVIDE DAT SETPOINT TO PACKAGED CONTROLS BASED ON OA TEMP RESET SCHEDULE

DAT/DSP VAV PACKAGED ENERGY RECOVERY UNIT (ERU-3) FIELD INSTALLATION & CONTROL

TYPICAL EXCEPT WHERE NOTED. APPLICABLE FOR THE FOLLOWING UNITS:

ERU-3 SERVES FIELD HOUSE TEAM ROOMS VAV TERMINAL UNITS

NOTES:

1. VAV ENERGY RECOVERY UNIT (ERU) WITH DX COOLING, INDIRECT FIRED FURNACE, PLATE AND FRAME HEAT EXCHANGER FOR ENERGY RECOVERY SHALL BE SUPPLIED FOR PROJECT WITH PACKAGED CONTROLS FOR VAV DISCHARGE AIR TEMPERATURE (DAT) / DUCT STATIC PRESSURE (DSP) CONTROL APPLICATION WITH 100% ECONOMIZER COMPARATIVE ENTHALPY CONTROL AND DEHUMIDIFICATION MODE WITH HOT GAS REHEAT. ALL CONTROL DAMPERS AND REQUIRED SENSORS TO BE FURNISHED BY UNIT SUPPLIER, SOME MAY REQUIRE FIELD INSTALLATION AS INDICATED. PACKAGED CONTROLS SHALL INCLUDE BACnet COMMUNICATION INTERFACE FOR BAS SCHEDULING, DISCHARGE AIR TEMP SETPOINT AND DUCT STATIC PRESSURE SETPOINT ADJUSTMENT, UNIT MONITORING AND A2L LEAK DETECTION AND MITIGATION PER UL60335-2-40.
2. UNIT SINGLE POINT CONNECTION POWER SUPPLY SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR.
3. ELECTRICAL CONTRACTOR SHALL PROVIDE FIRE ALARM SYSTEM COMPONENTS AND WIRING FROM FIRE ALARM PANEL TO CONTROL MODULE. TC CONTRACTOR SHALL PROVIDE WIRING FROM CONTROL MODULE TO ERU UNIT SAFETY CUTOUT CIRCUIT.
4. TC CONTRACTOR SHALL FIELD INSTALL LOOSE COMPONENTS AND PROVIDE CONTROL FIELD WIRING AND INSTRUMENTATION TUBING FOR UNIT AS INDICATED PLUS ANY MISCELLANEOUS FIELD CONTROL WIRING THAT MAY BE REQUIRED FOR PACKAGED UNIT THAT IS NOT SHOWN. TC CONTRACTOR SHALL PROVIDE DUCT AND BUILDING STATIC PRESSURE PROBES FOR CLEAN INSTALLATION AT REMOTE STATIC PRESSURE REFERENCE LOCATIONS.
5. TC CONTRACTOR SHALL PROVIDE BACnet COMMUNICATION INTERFACE WIRING FROM ERU UNIT CONTROL PANEL TO BAS NETWORK SUPERVISORY CONTROLLER.
6. COORDINATE ALL FIELD WIRING REQUIREMENTS AND TERMINATIONS WITH UNIT SUPPLIER.

SEQUENCE OF OPERATION – ERU VAV DAT/DSP WITH DEHUMIDIFICATION:

1. ERU PACKAGED CONTROLS SHALL MAINTAIN A DISCHARGE AIR TEMPERATURE (DAT) SETPOINT (ADJUSTABLE THRU BAS) FOR BUILDING TEMPERATURE CONTROL REQUIREMENTS. PACKAGED CONTROLS SHALL MODULATE ENERGY RECOVERY HX FACE & BYPASS OA DAMPERS, RECIRC AIR DAMPERS, GAS BURNER HEAT CONTROL AND STAGE DX UNIT AS REQUIRED TO MAINTAIN PROPER DISCHARGE AIR TEMPERATURE CONTROL. PACKAGED CONTROL SHALL INCLUDE OUTDOOR AIRFLOW MONITORING FOR MINIMUM OUTSIDE AIR DAMPER CONTROL TO SATISFY MINIMUM OUTSIDE AIR CFM AS SUPPLY AIRFLOW VARIES. DAMPER CONTROL SHALL INCLUDE COMPARATIVE ENTHALPY ECONOMIZER CONTROL TO MODULATE DAMPERS ABOVE MINIMUM OA CFM SETTING TO PROVIDE FREE COOLING WHEN AVAILABLE.
2. BACnet OPEN PROTOCOL COMMUNICATIONS INTERFACE SHALL BE PROVIDED WITH PACKAGED CONTROLS AND CONNECTED TO OWNER'S BUILDING AUTOMATION SYSTEM THAT SHALL ALLOW UNIT SCHEDULING, FAN STATUSES, DISCHARGE AIR TEMPERATURE ADJUSTMENT AND ADDITIONAL UNIT MONITORING AS AVAILABLE.
3. PACKAGED CONTROLS SHALL INCLUDE DEHUMIDIFICATION MODE TO ACTIVATE DX COOLING AND MODULATE HOT GAS BYPASS COIL CONTROL WHENEVER RETURN AIR HUMIDITY EXCEEDS HUMIDITY SETPOINT.
4. FOR OCCUPIED MODE, PACKAGE CONTROLS SHALL OPERATE ERU CONTINUOUSLY AND CONTROL ENERGY RECOVERY HEAT EXCHANGE DAMPERS DURING DESIGN SUMMER AND WINTER CONDITIONS FOR OUTSIDE AIR SENSIBLE AND LATENT LOAD REDUCTION FROM SPACE EXHAUST AIR. PACKAGE CONTROLS SHALL INCLUDE HEAT EXCHANGER FROST PROTECTION MODE.
5. FOR UNOCCUPIED MODE, ERU SHALL BE CYCLED ON AND OFF AS REQUIRED BASED ON UNOCCUPIED MODE HEATING AND COOLING SPACE TEMP SETPOINTS AS COMMUNICATED FROM BAS TO ERU PACKAGED CONTROLS THRU BACnet INTERFACE. BAS SHALL WRITE LOWEST TERMINAL UNIT SPACE TEMP TO ERU PACKAGED CONTROLS. DAMPERS SHALL REMAIN IN RECIRC MODE UNLESS COOLING ECONOMIZER IS AVAILABLE. ENERGY RECOVERY WHEEL SHALL REMAIN OFF.
6. PACKAGED CONTROLS SHALL MAINTAIN A REMOTE DUCT STATIC PRESSURE (DSP) SETPOINT FOR ZONE TERMINAL UNIT SUPPLY AIRFLOW CONTROL REQUIREMENTS. SUPPLY FAN VFC SHALL BE MODULATED BY PACKAGED CONTROLS TO MAINTAIN REMOTE SYSTEM SUPPLY DUCT AIR STATIC PRESSURE SETPOINT OF +1.00" W.C. THAT IS ADJUSTABLE FROM BAS THRU BACnet COMMUNICATION. THE AIR BALANCE CONTRACTOR SHALL DETERMINE APPROPRIATE DUCT STATIC PRESSURE SETPOINT.
7. PACKAGED CONTROLS SHALL MAINTAIN BUILDING STATIC PRESSURE SETPOINT FOR AREA SERVED BY ERU. RELIEF EXHAUST FAN SHALL BE ACTIVATED BY PACKAGED CONTROLS BASED ON SOFTWARE INTERLOCK WITH SF FOR OCCUPIED MODE. EF SPEED SHALL BE MODULATED TO MAINTAIN A BLDG STATIC PRESSURE STATIC PRESSURE SETPOINT OF +0.02" W.C.
8. PACKAGE CONTROLS SHALL ALLOW BAS TO RESET DA TEMP SETPOINT BASED ON OA TEMP PER INDICATED RESET SCHEDULE.
9. PACKAGED CONTROLS SHALL INCLUDE DAT LOW TEMPERATURE SAFETY CUTOUT TO DEACTIVATE SUPPLY FAN WHEN TEMPERATURE IS 35°F OR BELOW.
10. DUCT SMOKE DETECTOR(S) SHALL DEACTIVATE UNIT THRU FIRE ALARM SYSTEM CONTROL MODULE WHEN PRODUCTS OF COMBUSTION ARE DETECTED.
11. PACKAGED CONTROLS SHALL BE PROVIDED WITH A2L REFRIGERANT LEAK DETECTION PER UL60335-2-40. LEAK DETECTION SENSORS SHALL BE LOCATED IN UNITS AIR TUNNEL AND COMPRESSOR COMPARTMENT. ERU SHALL BE ACTIVATED INTO MITIGATION MODE OF OPERATION PER UNIT MANUFACTURE SEQUENCE OF OPERATION WHENEVER A REFRIGERANT LEAK IS DETECTED.
12. TC CONTRACTOR SHALL PROVIDE BACnet COMMUNICATION INTERFACE WIRING FROM UNIT CONTROL PANEL TO NEW BAS NETWORK SUPERVISORY CONTROLLER, COMMUNICATING BUT NOT LIMITED TO THE FOLLOWING POINTS AS AVAILABLE:
   - OCCUPANCY MODE SCHEDULER (FROM BAS)
   - EFFECTIVE OCCUPANCY MODE (TO BAS)
   - SUPPLY FAN COMMAND STATUS (TO BAS)
   - SUPPLY FAN RUN STATUS (TO BAS)
   - SUPPLY FAN SPEED COMMAND STATUS (TO BAS)
   - EXHAUST FAN COMMAND STATUS (TO BAS)
   - EXHAUST FAN RUN STATUS (TO BAS)
   - EXHAUST FAN SPEED COMMAND STATUS (TO BAS)
   - ENERGY RECOVERY HX FACE & BYPASS DAMPER OUTPUT (TO BAS)
   - ENERGY RECOVERY HX RECIRC DAMPER OUTPUT (TO BAS)
   - ENERGY RECOVERY HX DEFROST MODE (TO BAS)
   - DISCHARGE AIR TEMP SETPOINT (FROM BAS PER RESET SCHEDULE)
   - EFFECTIVE DISCHARGE AIR TEMP SETPOINT (TO BAS)
   - DISCHARGE AIR TEMP (TO BAS)
   - UNOCCUPIED MODE HEATING SPACE TEMP SETPOINT (FROM BAS)
   - UNOCCUPIED MODE COOLING SPACE TEMP SETPOINT (FROM BAS)
   - SPACE TEMP FOR UNOCCUPIED MODE CYCLING (FROM BAS)
   - HEATING/COOLING MODE STATUS (TO BAS)
   - HEATING OUTPUT STATUS (TO BAS)
   - COOLING OUTPUT STATUS (TO BAS)
   - OA DAMPER MINIMUM CFM SETPOINT (FROM BAS)
   - DAMPER ECONOMIZER ENABLE STATUS (TO BAS)
   - RETURN AIR HUMIDITY SETPOINT FOR DEHUM MODE (FROM BAS)
   - RETURN AIR HUMIDITY (TO BAS)
   - DEHUMIDIFICATION MODE STATUS (TO BAS)
   - COMPRESSOR ENABLE STATUS, EACH STAGE (TO BAS)
   - DIRTY FILTER STATUS (TO BAS)
   - SUPPLY DUCT STATIC PRESSURE SETPOINT (FROM BAS)
   - BUILDING STATIC PRESSURE SETPOINT (FROM BAS)
   - BUILDING STATIC PRESSURE (TO BAS)
   - A2L MITIGATION ALARM (TO BAS)
   - A2L PURGE MODE ACTIVATED (TO BAS)
   - A2L SENSOR FAILURE ALARM (TO BAS)
   - MISC UNIT TEMPERATURE MONITORING (TO BAS)
   - TEMP SENSOR FAILURE ALARMS (TO BAS)
   - UNIT SAFETY CUTOUT ALARMS (TO BAS)
   - OTHER MISC ALARMS (TO BAS)

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PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

TEMPERATURE CONTROLS

ISSUE DATES

02-26-2026	D.R. 2 - CONSTRUCTION DOCUMENTS
02-12-2026	OWNER REVIEW
01-23-2026	90% CONSTRUCTION DOCUMENTS
12-19-2025	DESIGN DEVELOPMENT
DATE:	ISSUED FOR:

DRAWN	WJU
CHECKED	KRD
APPROVED	SVM

PROJECT NO.

25026E

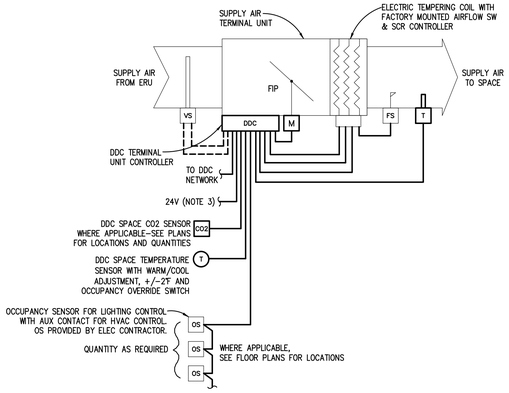
DRAWING NO.

M8.2

g:\2025\2025-0327-00\CAD\2025-0327-M8-CP.dwg, M8.2, 2/26/2026 10:20:43 AM, Tonya L. Cavanaugh, None, J.09448, Peter Basso Associates Inc.

TC GENERAL NOTES

TC GENERAL NOTES ON DRAWING M8.1 APPLY TO THIS DRAWING.



AIR TERMINAL UNIT WITH ELECTRIC HTG COIL

TYPICAL

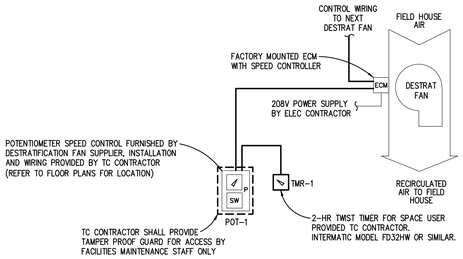
NOTES:

1. REFER TO PIPING & SHEET METAL PLANS FOR LOCATIONS AND QUANTITY OF UNITS AND LOCATIONS OF ROOM TEMP SENSORS.
2. WHERE INDICATED ON FLOOR PLANS, SPACE TEMPERATURE SHALL BE REFERENCED TO MULTIPLE AIR TERMINAL UNIT CONTROLLERS VIA DDC NETWORK.
3. TC CONTRACTOR SHALL PROVIDE 24V POWER SUPPLY TO TERMINAL UNIT CONTROLLER.
4. TERMINAL UNIT MANUFACTURER SHALL PROVIDE DAMPER AND TC CONTRACTOR SHALL PROVIDE DAMPER ACTUATORS.
5. TERMINAL UNIT MANUFACTURER SHALL PROVIDE VELOCITY SENSOR FOR SYSTEM CONTROL. TC CONTRACTOR SHALL COORDINATE WITH TAB CONTRACTOR TO DETERMINE DAMPER CONTROL SETTINGS TO ACHIEVE SCHEDULED MINIMUM AND MAXIMUM CFMs.
6. ELECTRICAL HEATING COIL AIRFLOW SWITCH(ES) AND OTHER SAFETIES FOR CONTROL SHALL BE SUPPLIED BY HTG COIL SUPPLIER AND INSTALLED BY TC CONTRACTOR. TC CONTRACTOR SHALL COORDINATE FIELD WIRING REQUIREMENTS WITH HTG COIL SUPPLIER.

SEQUENCE OF OPERATION: AIR TERMINAL UNIT W/ ELEC TEMPERING COIL:

NOTE: ALL SETPOINTS DESCRIBED IN SEQUENCE SHALL BE ADJUSTABLE BY SYSTEM OPERATORS (CREATE REQUIRED VIRTUAL POINTS). APPROPRIATE DEADBANDS SHALL BE USED TO PREVENT SHORT CYCLING SITUATIONS.

1. ALL ZONE TEMPERING COILS ASSOCIATED WITH A SINGLE SPACE TEMP SENSOR SHALL CONTROL IN UNISON.
2. SUPPLY AIR TERMINAL UNIT'S (TU) VAV MINIMUM AND MAXIMUM AIRFLOW SETTINGS SHALL BE AS INDICATED ON THE MECHANICAL SCHEDULES. WHERE MINIMUM AND MAXIMUM AIRFLOW SETTINGS ARE THE SAME, THE TU CONTROLLER SHALL PERFORM CONSTANT AIR VOLUME CONTROL.
3. IN ALL MODES OF HEATING, TU DISCHARGE AIR TEMP SENSOR SHALL PROVIDE HIGH LIMIT SETPOINT CONTROL AT 90°F DAT. FPTU TEMPERING COIL AIRFLOW SAFETIES SHALL KEEP ELECTRIC HEATING COIL OFF IF THERE IS INSUFFICIENT AIRFLOW.
4. WHEN SPACE TEMPERATURE RISES ABOVE THE SETPOINT, THE SUPPLY AIR TERMINAL UNIT CONTROLLER SHALL KEEP THE ELECTRIC TEMPERING COIL OFF AND SHALL MODULATE THE SUPPLY AIRFLOW BETWEEN ITS MINIMUM AND MAXIMUM SETTING TO MAINTAIN SPACE TEMPERATURE.
5. WHEN SPACE TEMPERATURE FALLS BELOW SETPOINT, THE SUPPLY TERMINAL UNIT CONTROLLER SHALL KEEP THE SUPPLY AIRFLOW AT ITS MINIMUM SETTING AND ACTIVATE THE ELECTRIC TEMPERING COIL STAGES (3 TOTAL) AS REQUIRED TO MAINTAIN THE SPACE TEMPERATURE SETPOINT.
6. THE SUPPLY AIR TERMINAL UNIT'S MINIMUM AND MAXIMUM VOLUME AIRFLOW SETTINGS SHALL BE AS INDICATED ON THE SHEET METAL FLOOR PLANS.
7. SPACE TEMPERATURE SETPOINTS SHALL BE AS FOLLOWS:
   - HEATING UNOCCUPIED SETPOINT = 62°F
   - HEATING TEMPORARY UNOCCUPIED SETPOINT = 68°F
   - HEATING OCCUPIED SETPOINT = 70°F
   - COOLING OCCUPIED SETPOINT = 75°F
   - COOLING TEMPORARY UNOCCUPIED SETPOINT = 77°F
   - COOLING UNOCCUPIED SETPOINT = 80°F
8. DURING BUILDING UNOCCUPANCY, RELATED ERU SHALL CYCLE AS REQUIRED TO MAINTAIN BUILDING SETBACK AND SETUP TEMP SETPOINTS.
9. (WHERE APPLICABLE): WHEN SPACE CARBON DIOXIDE LEVEL INCREASES ABOVE 1100 PPM SETPOINT, TU CONTROLLER SHALL OVERRIDE AIRFLOW CONTROL AND MODULATE DAMPER MORE OPEN TO INCREASE SUPPLY AIRFLOW UNTIL CO2 SETPOINT IS SATISFIED. TU CONTROLLER SHALL MODULATE TEMPERING COIL CONTROL VALVE TO MAINTAIN SPACE TEMP SETPOINT. [NOTE: THERE IS NOT A REQUIREMENT TO INCREASE OUTSIDE AIRFLOW AT RELATED RTU IF CO2 LEVEL IS ABOVE SETPOINT WHEN TU DAMPER IS AT MAX POSITION].
10. (WHERE APPLICABLE): WHEN SPACE CARBON DIOXIDE LEVEL DECREASES BELOW 600 PPM SETPOINT AFTER BEING IN VENTILATION OVERRIDE MODE, TU CONTROLLER SHALL RETURN TU DAMPER BACK TO NORMAL CONTROL.
11. (WHERE APPLICABLE): WHEN SPACE IS UNOCCUPIED DURING SCHEDULED OCCUPIED MODE AS DETERMINED BY MONITORING THE LIGHTING OCCUPANCY SENSOR AUX CONTACTS, DDC SHALL OPERATE AIR TERMINAL UNIT IN A STANDBY MODE. SPACE TEMP SETPOINT SHALL BE SETBACK/SETUP AS INDICATED ABOVE.
12. WHEN RESPECTIVE ERU IS DEACTIVATED; THE AIR TERMINAL UNIT DAMPER SHALL REMAIN IN MINIMUM POSITION AND THE ELECTRIC TEMPERING COIL SHALL REMAIN OFF.
13. THE DDC TERMINAL UNIT CONTROLLER SHALL RE-CALIBRATE THE AIRFLOW SENSOR ONCE A WEEK MINIMUM. THE RE-CALIBRATION PROCESS SHALL BE STAGGERED AMONGST THE TERMINAL UNITS SO THE DUCT STATIC PRESSURE DOES NOT EXCEED LIMITS.
14. CONTROL SIGNALS FOR AIR TERMINAL UNIT DAMPER ACTUATOR AND HEATING CONTROL OUTPUT(S) SHALL BE DISPLAYED WITH SYSTEM GRAPHICS.



DESTRATIFICATION FAN (DF) CONTROL

TYPICAL FOR TWO PAIR - NORTH & SOUTH MEZZANINE

DF-1 & DF-2 SERVES NORTH MEZZANINE

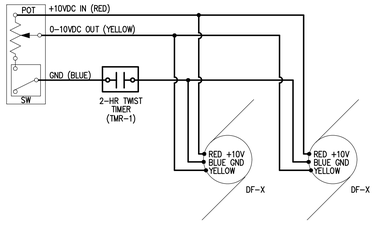
DF-3 & DF-4 SERVES SOUTH MEZZANINE

NOTES:

1. REFER TO MECHANICAL FLOOR PLANS FOR LOCATIONS.
2. FAN CONTROLLER PROVIDED BY MANUFACTURER. POWER WIRING SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR.
3. TC CONTRACTOR SHALL PROVIDE CONTROL WIRING. COORDINATE ALL CONTROL WIRING REQUIREMENTS WITH UNIT SUPPLIER.

SEQUENCE OF OPERATION:

1. EACH PAIR (NORTH/SOUTH) DESTRATIFICATION FANS SHALL SIMULTANEOUSLY START/STOP BY THE SPACE USER THROUGH LOCAL 2-HR TIMER SWITCH.
2. EACH PAIR (NORTH/SOUTH) DESTRATIFICATION FAN SPEEDS ARE MANUALLY SET TO RUN SIMULTANEOUSLY AT SAME SPEED THOUGH FAN ECM. FAN SPEED SETTING SHALL BE BY FACILITIES MAINTENANCE STAFF VIA WALL-MOUNTED POTENTIOMETER SPEED CONTROL.
3. EACH PAIR (NORTH/SOUTH) DESTRATIFICATION FANS ARE MANUALLY ENABLED/DISABLED THROUGH WALL-MOUNTED SWITCH BY FACILITIES MAINTENANCE STAFF.



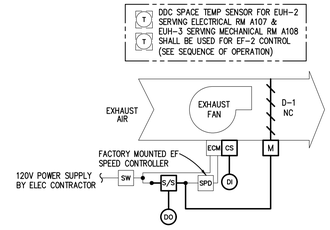
DESTRATIFICATION FAN CONTROL WIRING

TYPICAL FOR TWO PAIR - NORTH & SOUTH MEZZANINE

DF-1 & DF-2 SERVES NORTH MEZZANINE

DF-2 & DF-3 SERVES SOUTH MEZZANINE

WIRING DETAIL IDENTIFIES INTENT AND DOES NOT INDICATE ACTUAL WIRING REQUIREMENTS. CONSULT WITH DESTRATIFICATION FAN SUPPLIER FOR THE ACTUAL WIRING REQUIREMENTS.



EXHAUST FAN (EF) CONTROL

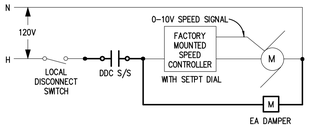
TYPICAL EXCEPT WHERE NOTED. APPLICABLE FOR THE FOLLOWING UNITS:
EF-1 SERVES STORAGE A110
EF-2 SERVES ELECTRICAL A107 & MECHANICAL A108
EF-3 SERVES MENS TOILET A104 & WOMENS TOILET A105
EF-4 SERVES JANITOR CLOSET A120 & TOILET A121
EF-5 SERVES STORAGE A204

NOTES:

1. REFER TO FLOOR PLANS FOR QUANTITY AND LOCATION OF UNITS.
2. CONTROL DAMPER FURNISHED BY TC CONTRACTOR. COORDINATE INSTALLATION WITH MECHANICAL CONTRACTOR.

SEQUENCE OF OPERATION:

1. EXHAUST FAN SHALL BE STARTED AND STOPPED BY DDC BASED ON BUILDING OCCUPIED MODE SCHEDULE. WIRING INTERLOCK SHALL OPEN DAMPER.
2. FOR EF-2 ONLY: DDC SHALL MONITOR SPACE TEMPERATURE FOR BOTH ELECTRICAL A107 (EUH-2) AND MECHANICAL A108 (EUH-3) AND CYCLE EF BASED ON THE HIGHER OF THE TWO SPACE TEMPERATURES TO MAINTAIN SPACE TEMP SETPOINT OF 78°F (ADJ.) DURING ALL BLDG. MODES OF OPERATION.
3. DDC SHALL MONITOR EF RUN STATUS THRU CURRENT SWITCH. ABNORMAL EF OPERATION SHALL ACTIVATE REMOTE ALARM. DDC SHALL TOTALIZE FAN RUN TIME HOURS OF OPERATION.
4. FAN SPEED SHALL BE MANUALLY SET THRU ON BOARD POTENTIOMETER BY AIR BALANCER TO DESIGN AIRFLOW.



EF ECM WIRING

TYPICAL

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PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

TEMPERATURE CONTROLS

ISSUE DATES

DATE:	ISSUED FOR:
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12-19-2025	DESIGN DEVELOPMENT

DRAWN	WJU
CHECKED	KRD
APPROVED	SVM

PROJECT NO.

25026E

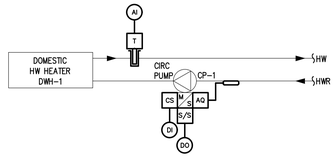
DRAWING NO.

M8.3

g:\2025\2025-0327-00\CAD\2025-0327-M8-CP.dwg, M8.3, 2/26/2026 10:20:45 AM, Tonya L. Cavanaugh, None .0.09448, Peter Basso Associates Inc.

TC GENERAL NOTES

TC GENERAL NOTES ON DRAWING M8.1 APPLY TO THIS DRAWING.



DOM HW SYSTEM MONITORING & CONTROL

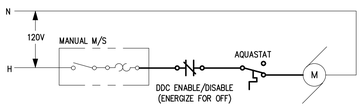
SERVES FIELD HOUSE

NOTES:

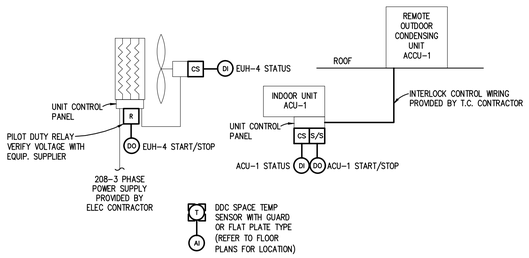
1. REFER TO FLOOR PLANS FOR LOCATION OF UNITS.
2. AQUASTAT PROVIDED BY TC CONTRACTOR.

SEQUENCE OF OPERATION:

1. DDC SHALL ACTIVATE DOMESTIC HW CIRC PUMP BASED ON BAS TIME OF DAY BUILDING OCCUPANCY SCHEDULE. DDC SYSTEM SHALL MONITOR PUMP MOTOR STATUS AND TOTALIZE RUN TIME HOURS OF OPERATION.
2. DDC SYSTEM SHALL MONITOR DOMESTIC HW SYSTEM SUPPLY TEMP FOR REMOTE SYSTEM DIAGNOSTIC CAPABILITY BY OWNER. DDC SYSTEM SHALL PROVIDE A HIGH TEMPERATURE ALARM WITH SETPOINT 5°F (ADJ.) ABOVE SYSTEM HW SETPOINT.



DOM HW CP-1 M/S WIRING



EUH-7 & ACU-1 CONTROL

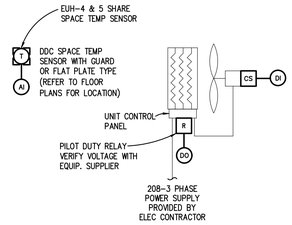
SERVES DATA RM A202

NOTES:

1. UNITS SHALL BE CONTROLLED DDC AND NOT THROUGH MFG PROVIDED THERMOSTATS.
2. TC CONTRACTOR SHALL PROVIDE FIELD WIRING BETWEEN INDOOR UNIT CONTROLS AND THE REMOTE CONDENSER.
3. TC CONTRACTOR SHALL COORDINATE WIRING REQUIREMENTS WITH EQUIPMENT SUPPLIERS.

SEQUENCE OF OPERATION:

1. DDC SHALL START/STOP EUH AS REQUIRED TO MAINTAIN HEATING SPACE TEMP HEATING SETPOINT OF 68°F (ADJ.).
2. DDC SHALL MONITOR EUH RUN STATUS THRU CURRENT SWITCH. ABNORMAL EUH OPERATION SHALL ACTIVATE REMOTE ALARM.
3. DDC SHALL START/STOP ACU AS REQUIRED TO MAINTAIN COOLING SPACE TEMP COOLING SETPOINT OF 78°F (ADJ.).
4. DDC SHALL MONITOR ACU RUN STATUS THRU CURRENT SWITCH. ABNORMAL ACU OPERATION SHALL ACTIVATE REMOTE ALARM.
5. DDC SHALL MONITOR SPACE TEMP AND ACTIVATE ALARM IF HIGH LIMIT SETPOINT OF 82°F (ADJ.) OR LOW LIMIT SETPOINT OF 60°F (ADJ.) IS REACHED.
6. DDC SHALL PROVIDE A 4°F DEADBAND AROUND SETPOINTS FOR CONTROL.



ELECTRIC UNIT HEATER (EUH) CONTROL

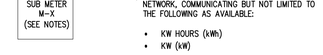
TYPICAL EXCEPT WHERE NOTED. APPLICABLE FOR THE FOLLOWING UNITS:
EUH-1 SERVES JANITORS CLOSET A120
EUH-2 SERVESG ELECTRICAL A107
EUH-3 SERVES MECHANICAL A108
EUH-4 & EUH-5 SERVES STORAGE A110
EUH-6 SERVES ELECTRICAL A203
EUH-8 SERVES JANITORS CLOSET A206
EUH-9 SERVES STORAGE A204

NOTES:

1. REFER TO FLOOR PLANS FOR QUANTITY AND LOCATION OF UNITS.
2. TC CONTRACTOR SHALL COORDINATE WIRING REQUIREMENTS WITH EQUIPMENT SUPPLIER.

SEQUENCE OF OPERATION:

1. ELECTRIC UNIT HEATER SHALL BE STARTED AND STOPPED BY DDC AS REQUIRED TO MAINTAIN SPACE TEMPERATURE HEATING SETPOINT OF 68°F DURING BUILDING OCCUPANCY AND 50°F (ADJ.) DURING BUILDING UNOCCUPANCY.
2. DDC SHALL MONITOR EUH RUN STATUS THRU CURRENT SWITCH. ABNORMAL ECUH OPERATION SHALL ACTIVATE REMOTE ALARM. DDC SHALL TOTALIZE FAN RUN TIME HOURS OF OPERATION.
3. DDC SHALL PROVIDE A 2°F DEADBAND AROUND SETPOINT FOR CONTROL.
4. WHEN OUTSIDE AIR TEMPERATURE INCREASES ABOVE 60°F, DDC SHALL DISABLE CONTROL OF THE EUH.



BAS ELECTRIC SUB METER MONITORING AND RECORDING

TYPICAL – REFER TO ELECTRICAL ONE LINE DIAGRAM.

NOTES:

1. ELECTRICAL SUB METERING WITH RS-485 INTERFACE SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR. REFER TO ONE LINE DIAGRAM ON SHEET M5.1 FOR ADDITIONAL INFORMATION.
2. TC CONTRACTOR SHALL PROVIDE MODBUS COMMUNICATION WIRING TO EACH ELECTRICAL SUB METER. COORDINATE ALL WIRING AND TERMINATIONS WITH ELECTRICAL CONTRACTOR.

SEQUENCE OF OPERATION

BAS ELECTRICAL SUB METERING:

NOTE: SUB METERING SHALL BE PROVIDED PER 2021 MICHIGAN COMMERCIAL ENERGY CODE.

1. ELECTRICAL SUB METERS SHALL BE INSTALLED TO MONITOR ELECTRICAL LOAD USAGE FOR EACH OF THE FOLLOWING (REFER TO SCHEDULES):
   A. TOTAL ELECTRICAL ENERGY.
   B. HVAC SYSTEMS.
   C. INTERIOR LIGHTING.
   D. EXTERIOR LIGHTING.
   E. RECEPTACLE CIRCUITS.
   10% OF THE LOAD FROM EACH OF THE CATEGORIES (B) THROUGH (C) SHALL BE ALLOWED TO BE FROM OTHER ELECTRICAL LOADS.
2. ELECTRICAL USAGE FOR EACH LOAD INDICATED ABOVE SHALL BE RECORDED AS FOLLOWS:
   A. MINIMUM OF EVERY 15 MINUTES.
3. ELECTRICAL USAGE FOR EACH LOAD INDICATED ABOVE SHALL BE REPORTED TO BUILDING AUTOMATION SYSTEM BASED ON FOLLOWING:
   A. HOURLY
   B. DAILY
   C. MONTHLY
   D. YEARLY
4. ENERGY USE DATA SHALL BE GRAPHICALLY DISPLAYED ON THE BUILDING AUTOMATION SYSTEM BASED ON ABOVE CRITERIA.
5. BUILDING AUTOMATION SYSTEM SHALL COLLECT AND STORE DATA FOR A MINIMUM OF 36 MONTHS. COORDINATE BAS VIRTUAL SERVER SPACE REQUIREMENTS WITH OWNERS IT PERSONAL.



COLD WATER BOOSTER ALARM MONITORING

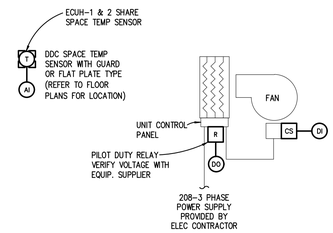
REFER TO SCHEDULES AND FLOOR PLANS FOR QUANTITIES AND LOCATIONS

NOTE:

1. DRY CONTACT FOR REMOTE SYSTEM MONITORING SHALL BE PROVIDED WITH COLD WATER BOOSTER SYSTEM CONTROL PANEL.
2. COORDINATE WIRING REQUIREMENTS WITH COLD WATER BOOSTER SYSTEM SUPPLIER.

SEQUENCE OF OPERATION:

1. DDC SHALL MONITOR COLD WATER BOOSTER SYSTEM. ABNORMAL CONDITION SHALL ACTIVATE GENERAL ALARM TO THE BAS.



ELECTRIC CABINET UNIT HEATER (ECUH) CONTROL

TYPICAL EXCEPT WHERE NOTED. APPLICABLE FOR THE FOLLOWING UNITS:
ECUH-1 & ECUH-2 SERVES VESTIBULE A101
ECUH-3 SERVES STAIR A109
ECUH-4 SERVES MENS TOILET A104
ECUH-5 SERVES STAIR A117
ECUH-6 SERVES TOILET A121

NOTES:

1. REFER TO FLOOR PLANS FOR QUANTITY AND LOCATION OF UNITS.
2. TC CONTRACTOR SHALL COORDINATE WIRING REQUIREMENTS WITH EQUIPMENT SUPPLIER.

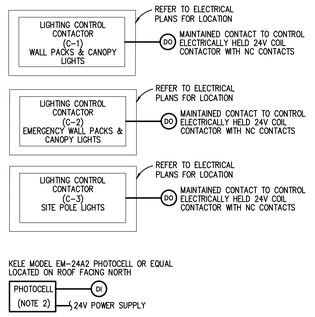
SEQUENCE OF OPERATION:

ASHRAE 90.1-2019 FOR VESTIBULES ONLY:

1. ELECTRIC CABINET UNIT HEATER SHALL BE STARTED AND STOPPED BY DDC AS REQUIRED TO MAINTAIN SPACE TEMPERATURE HEATING SETPOINT OF 60°F (ADJ.).
2. DDC SHALL MONITOR ECUH RUN STATUS THRU CURRENT SWITCH. ABNORMAL ECUH OPERATION SHALL ACTIVATE REMOTE ALARM. DDC SHALL TOTALIZE FAN RUN TIME HOURS OF OPERATION.
3. DDC SHALL PROVIDE A 2°F DEADBAND AROUND SETPOINT FOR CONTROL.
4. WHEN OUTSIDE AIR TEMPERATURE INCREASES ABOVE 45°F, DDC SHALL DISABLE CONTROL OF THE ECUH.

FOR ALL OTHER AREAS:

1. ELECTRIC CABINET UNIT HEATER SHALL BE STARTED AND STOPPED BY DDC AS REQUIRED TO MAINTAIN SPACE TEMPERATURE HEATING SETPOINT OF 68°F DURING BUILDING OCCUPANCY AND 50°F (ADJ.) DURING BUILDING UNOCCUPANCY.
2. DDC SHALL MONITOR ECUH RUN STATUS THRU CURRENT SWITCH. ABNORMAL ECUH OPERATION SHALL ACTIVATE REMOTE ALARM. DDC SHALL TOTALIZE FAN RUN TIME HOURS OF OPERATION.
3. DDC SHALL PROVIDE A 2°F DEADBAND AROUND SETPOINT FOR CONTROL.
4. WHEN OUTSIDE AIR TEMPERATURE INCREASES ABOVE 60°F, DDC SHALL DISABLE CONTROL OF THE ECUH.



BUILDING EXTERIOR LIGHTING CONTROL

NOTES:

1. COORDINATE WIRING REQUIREMENTS AND TERMINATIONS WITH ELECTRICAL CONTRACTOR. REFER TO E7.1 FOR DETAILS.
2. TC CONTRACTOR SHALL PROVIDE PHOTOCELL, 24 POWER SUPPLY AND ASSOCIATED WIRING FOR BAS FOR MONITORING AND OVERRIDE OFF CONTROL OF EXTERIOR LIGHTING SCHEDULES.

SEQUENCE OF OPERATION:

1. DDC SHALL CONTROL EXTERIOR LIGHTING BASED ON OWNER TIME OF DAY SCHEDULE. INITIAL SCHEDULE SHALL BE AS INDICATED BELOW, CONFIRM WITH OWNER WEEKEND AND SPECIAL EVENTS OPERATION.

   DAILY:
   ENABLED – 18:00HRS (ADJUST FOR DAYLIGHT SAVINGS) – 23:59HRS.
   DISABLED – 00:00HRS – 03:59HRS
   ENABLED – 04:00HRS – 17:59HRS "ENABLE/DISABLE" BY PHOTOCELL AS REQUIRED.
2. DDC MONITORED PHOTOCELL SHALL BE USED FOR "OFF" OVERRIDE CONTROL OF SCHEDULED OPERATION DURING DAYLIGHT.
3. DDC SHALL CONTAIN A SNOW PLOWING SCHEDULE TO ACTIVATE PARKING LOT LIGHTING MANUALLY BY SYSTEM OPERATOR WHEN SNOW PLOWING IS TO OCCUR AT NIGHT.

MCM ELECTRIC SUB METERING SCHEDULE

METER NO.	METER CHANNEL NO.	LOAD CLASSIFICATION	LOAD DESCRIPTION	NOTES
MCM	1	FIELD HOUSE	MAIN SWITCHBOARD	
MCM	2	HVAC	ERU-1	
MCM	3	HVAC	ERU-2	
MCM	4	HVAC	ERU-3	
MCM	5	HVAC	DP-FHM	
MCM	6	INTERIOR LIGHTING	LP-FH	
MCM	7	RECEPTACLE LOADS	RP-FH-1 & RP-FH-2	
MCM	8			SPARE
MCM	9			SPARE
MCM	10			SPARE
MCM	11			SPARE
MCM	12			SPARE

NOTES: SUB METER BASES OF DESIGN: HONEYWELL E-MON MULTI-MON.

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PBA Project No.: 2025.0327

PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

TEMPERATURE CONTROLS

ISSUE DATES

DATE:	ISSUED FOR:
02-26-2026	D.R. 2 - CONSTRUCTION DOCUMENTS
02-12-2026	OWNER REVIEW
01-23-2026	90% CONSTRUCTION DOCUMENTS
12-19-2025	DESIGN DEVELOPMENT

DRAWN	WJU
CHECKED	KRD
APPROVED	SVM

PROJECT NO.

25026E

DRAWING NO.

M8.4

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ELECTRICAL SYMBOL LIST

(NOTE: SOME SYMBOLS AND ABBREVIATIONS SHOWN MAY NOT APPLY TO THIS PROJECT.)

SYMBOL	DESCRIPTION
NL/ER X y ZZ-#	DENOTES NIGHT LIGHT AND/OR EMERGENCY LIGHT X DENOTES FIXTURE TYPE y DENOTES LIGHTING CONTROL ZONE ZZ-# DENOTES PANELBOARD AND BREAKER
	FILL DENOTES EMERGENCY LIGHTING FIXTURE
	TROFFER LIGHT
	STRIP LIGHT
	LINEAR LIGHT
	MULTIHEAD ADJUSTABLE LIGHT
	DOWN LIGHT
	DIRECTIONAL DOWN LIGHT
	DECORATIVE LIGHT
	DECORATIVE LIGHT
	WALL MOUNTED LIGHT
	WALL SCONCE
	ARM MOUNTED LIGHT
	LIGHTING TRACK
	TRACK LIGHT
	ADJUSTABLE FLOOD LIGHT
	STEP LIGHT
	LED TAPE LIGHT
	REMOTE DRIVER
	HIGH BAY LIGHT
	POLE MOUNTED LIGHT
	POST TOP LIGHT
	BOLLARD LIGHT
	EMERGENCY LIGHT
	EXIT LIGHT WITH DIRECTIONAL ARROWS (FILLED AREA INDICATES FACE)
	EXIT LIGHT WITH DIRECTIONAL ARROWS (FILLED AREA INDICATES FACE)
	EXIT LIGHT - WALL MOUNTED (FILLED AREA INDICATES FACE)
	EXIT/EMERGENCY LIGHT COMBO - WALL MOUNTED (FILLED AREA INDICATES FACE)
ALCR	AUTOMATIC LOAD CONTROL RELAY
BCELTS	BRANCH CIRCUIT EMERGENCY LIGHTING TRANSFER SWITCH
LC y	LIGHTING CONTROL DEVICE - REFER TO LIGHTING CONTROL SCHEDULE y DENOTES LIGHTING CONTROL ZONE
CSX	LOW VOLTAGE CONTROL STATION "X" INDICATES TYPE
XX	ROOM CONTROL DESIGNATION - REFER TO LIGHTING CONTROL SCHEDULE
S	SINGLE POLE TOGGLE SWITCH
S2	TWO POLE TOGGLE SWITCH
S3	3 WAY TOGGLE SWITCH
S4	4 WAY TOGGLE SWITCH
K	KEY OPERATED SWITCH
K3	3 WAY KEY OPERATED SWITCH
K4	4 WAY KEY OPERATED SWITCH
D	DIMMER SWITCH
DO	DIMMER OCCUPANCY SENSOR SWITCH
DL	LOW VOLTAGE DIMMER SWITCH
D3	3 WAY DIMMER SWITCH
SP	PILOT SWITCH

SYMBOL	DESCRIPTION
TWC	TWO-WAY COMMUNICATION SYSTEM CALL STATION
TWCD	TWO-WAY COMMUNICATION SYSTEM AUTO DIALER
TWCA	TWO-WAY COMMUNICATION SYSTEM ANNUNCIATOR & COMMUNICATION PANEL
TWCP	TWO-WAY COMMUNICATION SYSTEM POWER SUPPLY WITH BATTERY BACK-UP
TWCDP	TWO-WAY COMMUNICATION SYSTEM AUTO DIALER POWER SUPPLY WITH BATTERY BACK-UP
RGP	REMOTE GENERATOR ANNUNCIATOR PANEL
ATS	AUTOMATIC TRANSFER SWITCH
UPS	UNINTERRUPTIBLE POWER SUPPLY
"X"	SINGLE / DUPLEX RECEPTACLE OUTLET "X" INDICATES TYPE
	SINGLE / DUPLEX RECEPTACLE OUTLET CONTROLLED BY AUTOMATIC CONTROL DEVICE / SYSTEM (SIMILAR FOR TAMPER RESISTANT, GFCI, USB)
	DUPLEX / TAMPER RESISTANT RECEPTACLE OUTLET HALF CONTROLLED BY AUTOMATIC CONTROL DEVICE/SYSTEM
	QUAD RECEPTACLE OUTLET
X	ABOVE COUNTER DUPLEX RECEPTACLE OUTLET (SIMILAR FOR TAMPER RESISTANT, CONTROLLED, QUADS, EMERGENCY, UPS, USB, AND GFCI RECEPTACLE OUTLETS)
	DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE OUTLET
	DEAD FRONT GROUND FAULT CIRCUIT INTERRUPTER
	DUPLEX EMERGENCY RECEPTACLE OUTLET
	DUPLEX TAMPER RESISTANT RECEPTACLE OUTLET
	QUAD TAMPER RESISTANT RECEPTACLE OUTLET
	DUPLEX UPS RECEPTACLE OUTLET
	DUPLEX RECEPTACLE OUTLET WITH 2 USB PORTS
	USB 4 PORT CHARGING STATION
	CEILING MOUNTED DUPLEX / QUAD RECEPTACLE OUTLET
	MULTI-OUTLET SURFACE RACEWAY
	POWER POLE
	WALL / CEILING MOUNTED SPECIAL RECEPTACLE OUTLET - REFER TO ELECTRICAL STANDARD SCHEDULES
"X"	MULTI-SERVICE DROP SEE ELECTRICAL DETAILS AND DIAGRAMS SHEET "X" INDICATES TYPE
PTX	POKE-THROUGH ASSEMBLY "X" INDICATES TYPE
FBX	FLOOR SERVICE FITTING "X" INDICATES TYPE
AFX	ACCESS FLOOR SERVICE FITTING "X" INDICATES TYPE
RX	CORD REEL "X" INDICATES TYPE
S3	DUAL SWITCHING FOR INNER/OUTER LAMPS OF FLUORESCENT LIGHT FIXTURES
S3 3 3	3-WAY DUAL SWITCHING FOR INNER/OUTER LAMPS OF FLUORESCENT LIGHT FIXTURES
S4 3 4	4-WAY DUAL SWITCHING FOR INNER/OUTER LAMPS OF FLUORESCENT LIGHT FIXTURES
ST	DIGITAL TIME SWITCH
SI	ILLUMINATED TOGGLE SWITCH FOR CONTROL OF LIGHTING ON CRITICAL POWER-ILLUMINATED WHEN SWITCH IS IN "OFF" POSITION
SL	LOW VOLTAGE SWITCH
SO	OCCUPANCY SENSOR
SO2	OCCUPANCY SENSOR - REFER TO ELECTRICAL STANDARD SCHEDULE
OS X	OCCUPANCY SENSOR - REFER TO ELECTRICAL STANDARD SCHEDULES - "X" INDICATES TYPE

SYMBOL	DESCRIPTION
CP	CONTROL PANEL
	MOTOR
VFC	VARIABLE FREQUENCY CONTROLLER
	MANUAL CONTROLLER
	MAGNETIC CONTROLLER
	COMBINATION MAGNETIC CONTROLLER
	NON-FUSIBLE DISCONNECT SWITCH
	FUSIBLE DISCONNECT SWITCH
CB	ENCLOSED CIRCUIT BREAKER
	PUSH BUTTON STATION
J	JUNCTION BOX
	HARD WIRE POWER CONNECTION
	GROUND ROD
	GROUND CONNECTION
HH	HANDHOLE
X	CONDUIT SLEEVE WITH BUSHINGS LENGTH AS REQUIRED "X" INDICATES CONDUIT SIZE
	CONDUIT UP
	CONDUIT DOWN
	EMPTY BOX FOR FUTURE TELECOMMUNICATION OUTLET
	EMPTY BOX FOR FUTURE TELECOMMUNICATION OUTLET MOUNTED 8" ABOVE COUNTERTOP
	EMPTY BOX FOR FUTURE CEILING MOUNTED TELECOMMUNICATION OUTLET
X	TELECOMMUNICATION OUTLET "X" INDICATES TYPE
X	TELECOMMUNICATION OUTLET MOUNTED 8" ABOVE COUNTERTOP "X" INDICATES TYPE
X	TELECOMMUNICATION CEILING MOUNTED OUTLET "X" INDICATES TYPE
	TELECOMMUNICATION BACKBOARD
TGB	TELECOMMUNICATION GROUNDING BUS BAR
TMGB	TELECOMMUNICATION MAIN GROUNDING BUS BAR
IC	INTERCOM OUTLET
S	SPEAKER
S	SPEAKER - WALL MOUNTED
MIC	MICROPHONE
VC	VOLUME CONTROL
B	SIGNALING BELL
	SINGLE FACE CLOCK - CEILING MOUNTED
	SINGLE FACE CLOCK - WALL MOUNTED
	DOUBLE FACE CLOCK - CEILING MOUNTED
	DOUBLE FACE CLOCK - WALL MOUNTED
S	DOUBLE FACE COMBINATION CLOCK/SPEAKER CEILING MOUNTED
S	DOUBLE FACE COMBINATION CLOCK/SPEAKER WALL MOUNTED
	TIME CLOCK
C	CONTACTOR
P	PHOTOCELL
TT	TWIST TIMER
EVSE	ELECTRICAL VEHICLE SUPPLY EQUIPMENT
DCFC	DC FAST CHARGER - STANDALONE
DCPM	DC FAST CHARGER - POWER MODULE
DCDP	DC FAST CHARGER - DISPENSER

REFER TO ELECTRICAL STANDARD SCHEDULES

SYMBOL	DESCRIPTION
	SECURITY CAMERA
MD	MOTION DETECTOR
K	SECURITY KEY SWITCH
DC	DOOR CONTACT
KP	KEY PAD
CR	CARD READER
DB	DURESS PUSH BUTTON STATION
DE	DELAYED EGRESS
REX	REQUEST TO EXIT STATION
PP	AUTOMATIC DOOR PUSH PAD OPERATOR
DO	DOOR OPERATOR
DA	DOOR ACTUATOR
AC	ACCESS CONTROL STATION
ACCP	ACCESS CONTROL CONTROL PANEL
ACPS	ACCESS CONTROL POWER SUPPLY
	CIRCUIT BREAKER
	DRAWOUT CIRCUIT BREAKER MANUALLY/ OPERATED
	DRAWOUT CIRCUIT BREAKER ELECTRICALLY/ OPERATED
	SWITCH
	AUTOMATIC OR MANUAL TRANSFER SWITCH
	FUSE
	TRANSFORMER
	CURRENT TRANSFORMER
	POTENTIAL TRANSFORMER
	LIGHTNING ARRESTOR
X	PANELBOARD "X" INDICATES PANELBOARD NAME
	GROUND
	STRESS CONE TERMINATION
K	KEY INTERLOCK
G	ENGINE GENERATOR
M	UTILITY METER
EMU	ELECTRONIC METERING UNIT
A	AMMETER
V	VOLTMETER
AS	AMMETER SWITCH
VS	VOLTMETER SWITCH
SPD	SURGE PROTECTIVE DEVICE
CR	CONTROL RELAY
PRM	PHASE ROTATION MONITOR
	CAMLOK - MALE
	CAMLOK - FEMALE
TDR	TIME DELAY RELAY
	THERMAL OVERLOAD RELAY
	NORMALLY OPEN CONTACTS
	NORMALLY CLOSED CONTACTS
	N.O. PUSH BUTTON SINGLE CIRCUIT
	N.C. PUSH BUTTON SINGLE CIRCUIT
X-X	CABLE VAULT "X-X" INDICATES TYPE

SYMBOL	DESCRIPTION
F	MANUAL FIRE ALARM BOX
SD	SMOKE DETECTOR
DD	DUCT SMOKE DETECTOR
CO	CARBON MONOXIDE DETECTOR
RT	REMOTE TEST STATION (FOR DUCT DETECTOR)
HD	HEAT DETECTOR
BD	PROJECTED BEAM DETECTOR
F	FIRE ALARM BELL
F	FIRE ALARM AUDIBLE NOTIFICATION APPLIANCE
XX	FIRE ALARM VISUAL NOTIFICATION APPLIANCE "XX" INDICATES CANDELA RATING IF NO RATING SHOWN, APPLIANCE IS 15cd
XX	FIRE ALARM COMBINATION VISUAL/ AUDIBLE "XX" INDICATES CANDELA RATING IF NO RATING SHOWN, APPLIANCE IS 15cd
F XX	FIRE ALARM COMBINATION VISUAL/ AUDIBLE NOTIFICATION APPLIANCE - CEILING MOUNTED "XX" INDICATES CANDELA RATING IF NO RATING SHOWN, APPLIANCE IS 15cd
XX	FIRE ALARM VISUAL NOTIFICATION APPLIANCE CEILING MOUNTED "XX" INDICATES CANDELA RATING IF NO RATING SHOWN, APPLIANCE IS 15cd
F	FIRE ALARM AUDIBLE NOTIFICATION APPLIANCE - CEILING MOUNTED
F	FIREFIGHTERS PHONE JACK
FACP	FIRE ALARM CONTROL PANEL
FAA	FIRE ALARM ANNUNCIATOR PANEL
NAC	NOTIFICATION APPLIANCE CIRCUIT EXTENDER PANEL
MM	ADDRESSABLE MONITORING MODULE
CM	ADDRESSABLE CONTROL MODULE
TS	ADDRESSABLE MONITORING MODULE FOR TAMPER SWITCH
FS	ADDRESSABLE MONITORING MODULE FOR FLOW SWITCH
DR	MAGNETIC DOOR RELEASE
	BRANCH CIRCUIT PANEL BOARD
	LOAD CENTER
	MOTOR CONTROL CENTER
T	TRANSFORMER
	DISTRIBUTION EQUIPMENT
GB	ELECTRICAL GROUNDING BUS BAR
PB	PLUG IN BUSWAY
FB	FEEDER BUSWAY
12x4	CABLE TRAY - ALL SIZES IN INCHES

ELECTRICAL DRAWING INDEX

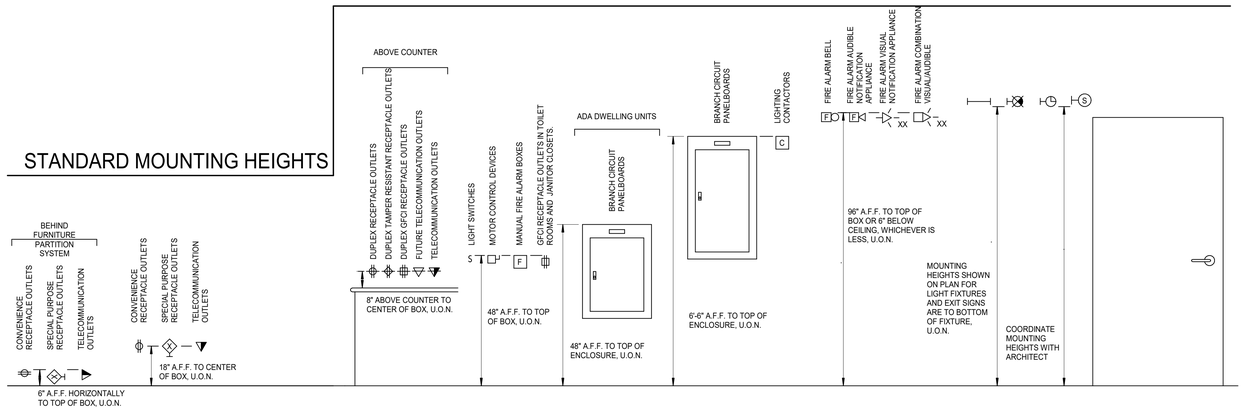
SHEET NO.	SHEET TITLE
E0.1	ELECTRICAL STANDARDS AND DRAWING INDEX
E0.2	ELECTRICAL STANDARD SCHEDULES
E0.3	ELECTRICAL NEW WORK SITE PLAN
E0.4	ELECTRICAL COMPOSITE PLAN
E2.1A	FIRST LEVEL LIGHTING PLAN - ZONE 'A'
E2.1B	FIRST LEVEL LIGHTING PLAN - ZONE 'B'
E2.2A	SECOND LEVEL LIGHTING PLAN - ZONE 'A'
E2.2B	SECOND LEVEL LIGHTING PLAN - ZONE 'B'
E3.1A	FIRST LEVEL POWER AND AUXILIARY SYSTEMS PLAN - ZONE 'A'
E3.1B	FIRST LEVEL POWER AND AUXILIARY SYSTEMS PLAN - ZONE 'B'
E3.2A	SECOND LEVEL POWER AND AUXILIARY SYSTEMS PLAN - ZONE 'A'
E3.2B	SECOND LEVEL POWER AND AUXILIARY SYSTEMS PLAN - ZONE 'B'
E3.3	ROOF POWER AND AUXILIARY SYSTEMS PLAN
E5.1	ONE LINE DIAGRAM - NEW WORK
E5.2	PANEL SCHEDULES
E7.1	ELECTRICAL DETAILS AND DIAGRAMS
E7.2	ELECTRICAL DETAILS AND DIAGRAMS
E7.3	ELECTRICAL DETAILS AND DIAGRAMS
E7.10	LIGHTING CONTROL SCHEDULES AND DETAILS
E7.11	LUMINAIRE SCHEDULES AND DETAILS

ELECTRICAL ABBREVIATION LIST

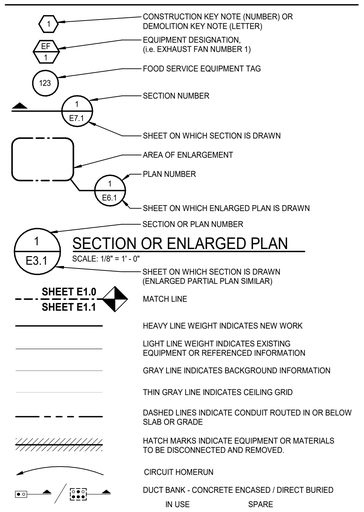
ABBREVIATION	DESCRIPTION
A	AMPERES
AER	ARC ENERGY REDUCTION
AF	AMPERES FRAME (BREAKER RATING)
AFCI	ARC FAULT CIRCUIT INTERRUPTER
A.F.F.	ABOVE FINISH FLOOR
AIC	AMPS INTERRUPTING CAPACITY
AL	AUDIENCE LEFT
ALCR	AUTOMATIC LOAD CONTROL RELAY
AR	AUDIENCE RIGHT
AT	AMPERES TRIP (BREAKER SETTING)
ATS	AUTOMATIC TRANSFER SWITCH
AUX	AUXILIARY
BCELTS	BRANCH CIRCUIT EMERGENCY LIGHTING TRANSFER SWITCH
BKR	BREAKER
BPS	BOLTED PRESSURE SWITCH
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CT	CURRENT TRANSFORMER
DEMO	DEMOLITION
DIM	DIMENSION
DISC	DISCONNECT
DP	DISTRIBUTION PANEL
DS	DOWNSTAGE
DWG	DRAWING
EBU	EMERGENCY BATTERY UNIT
EC	ELECTRICAL CONTRACTOR
ECM	ELECTRONICALLY COMMUTATED MOTOR
ELEC	ELECTRICAL
EM/ EMERG	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EO	ELECTRICALLY OPERATED
EPO	EMERGENCY POWER OFF
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
FA	FIRE ALARM
FLA	FULL LOAD AMPS
FLR	FLOOR
FOH	FRONT OF HOUSE
FSEC	FOOD SERVICE EQUIPMENT CONTRACTOR
FU	FUSE
G/GRD/EG	GROUND
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFP	GROUND FAULT PROTECTION
HOA	HAND-OFF-AUTO
HP	HORSEPOWER
HV	HIGH VOLTAGE
HZ	HERTZ
IG	ISOLATED GROUND

ABBREVIATION	DESCRIPTION
JB	JUNCTION BOX
KA	THOUSAND AMP
KV	KILOVOLT
KVA	KILOVOLT - AMPERES
KW	KILOWATT
KWH	KILOWATT - HOURS
LA	LIGHTING ARRESTOR
LP	LIGHTING PANEL
LDP	LIGHTING DISTRIBUTION PANEL
MAX	MAXIMUM
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDP	MAIN DISTRIBUTION PANEL
MECH	MECHANICAL
MIN	MINIMUM
MISC.	MISCELLANEOUS
MLO	MAIN LUGS ONLY
MOP	MAXIMUM OVERCURRENT PROTECTION
MTD	MOUNTED
MTG	MOUNTING
MTR	MOTOR
N	NEUTRAL
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NF	NON-FUSIBLE
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OC	ON CENTER
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
P	POLE
PB	PUSHBUTTON STATION
PH	PHASE
PT	POTENTIAL TRANSFORMER
PDP	POWER DISTRIBUTION PANEL
RECEPT.	RECEPTACLE
RDP	RECEPTACLE DISTRIBUTION PANEL
RP	RECEPTACLE PANEL
RSC	RIGID STEEL CONDUIT
SCCR	SHORT CIRCUIT CURRENT RATING
SCHED	SCHEDULE
SPD	SURGE PROTECTION DEVICE
ST	SHUNT TRIP
SW	SWITCH
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TB	TERMINAL BOX
TELECOM	TELECOMMUNICATIONS
TR	TAMPER RESISTANT
TTP	TELEPHONE TERMINAL BACKBOARD
TYP	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
UVR	UNDERVOLTAGE RELAY
US	UPSTAGE
V	VOLTS
W	WIRE OR WATTS
WAP	WIRELESS ACCESS POINT
WG	WIRE GUARD
WP	WEATHERPROOF
WR	WEATHER RESISTANT
XFMR	TRANSFORMER
XP	EXPLOSION PROOF
(E)	EXISTING
(R)	RELOCATED

STANDARD MOUNTING HEIGHTS



STANDARD METHODS OF NOTATION



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PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

ELECTRICAL STANDARDS AND DRAWING INDEX

ISSUE DATES

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DRAWN	DMN
CHECKED	STP
APPROVED	STP

PROJECT NO.

25026E

DRAWING NO.

E0.1

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DRY TYPE DISTRIBUTION TRANSFORMER CIRCUIT SIZING SCHEDULE

TRANSFORMER KVA	PRIMARY (480V) OVERCURRENT PROTECTION	SECONDARY (208Y/120 VOLT) OVERCURRENT PROTECTION	CONDUCTOR SIZE (AWG OR KCMIL) PHASE & NEUTRAL COPPER	PHASE & NEUTRAL ALUMINUM	SUPPLY SIDE BONDING JUMPER COPPER	SUPPLY SIDE BONDING JUMPER ALUMINUM	CONDUIT (4W + SSBJ) COPPER	CONDUIT (4W + SSBJ) ALUMINUM	GROUNDING ELECTRODE CONDUCTOR COPPER	GROUNDING ELECTRODE CONDUCTOR ALUMINUM	KEYED NOTES
9	20A	30A	10	NA	8	NA	3/4"	NA	8	NA	
15	25A	60A	6	NA	8	NA	1"	NA	8	NA	1
30	45A	100A	3	1	8	6	1 1/4"	1 1/2"	8	6	1
45	70A	175A	2/0	4/0	4	2	2"	2 1/2"	4	2	
75	125A	300A/225A	350 / 4/0	500 / 300	2	1/0	3"	3 1/2"	2	1/0	2
112 1/2	175A	400A	600	2-250	1/0	2	3 1/2"	2-2 1/2"	1/0	1/0	
150	225A	600A	2-350	2-500	2-2	2-1/0	2-3"	2-3 1/2"	2/0	4/0	
225	350A	800A	2-600	3-400	2-1/0	3-1/0	2-3 1/2"	3-3"	3/0	4/0	
300	500A	1200A	3-600	4-500	3-1/0	4-1/0	3-3 1/2"	4-3 1/2"	3/0	250	
500	800A	1600A	4-600	5-600	4-1/0	5-3/0	4-3 1/2"	5-3 1/2"	3/0	250	

GENERAL NOTES:
1. TRANSFORMERS AND FEEDERS ARE BASED ON 480 VOLT, 3 PHASE, 3 WIRE PRIMARY AND 208Y/120 VOLT, 3 PHASE, 4 WIRE, SECONDARY.
2. ALUMINUM CONDUCTORS ARE PERMITTED ONLY IF INCLUDED IN FEEDER AND BRANCH CIRCUIT SIZING SCHEDULE.
3. PRIMARY OVERCURRENT PROTECTION IS SIZED AT 125% OF TRANSFORMER FULL LOAD CURRENT. PROVIDE PRIMARY OVERCURRENT DEVICE SELECTION TO ALLOW TRANSFORMER IN-RUSH CURRENT AND PROTECT BASED ON THE ANSI DAMAGE CURVE. IF MANUFACTURER REQUIRES PRIMARY OVERCURRENT GREATER THAN 125% (NOT TO EXCEED 250%) THEN PRIMARY FEEDER SHALL BE INCREASED ACCORDINGLY.
4. SECONDARY CONDUCTOR BASED ON TEN FOOT MAXIMUM LENGTH (NEC 240.21(C)(2)). IF CONDUCTORS ARE LONGER THAN TEN FOOT, REQUIREMENTS IN NEC 240.21(C)(6) MUST BE MET. IN NO CASE SHALL CONDUCTORS BE LONGER THAN TWENTY-FIVE FEET.

KEYED NOTES:
1. CONDUCTORS ARE BASED ON 90°C, 600V. INSULATED WIRE APPLIED AT 75°C FOR TERMINATION RATED 60/75°C OR 75°C.
2. THE SMALLER SIZE IS TO BE USED TO FEED 225A PANELBOARDS.

BRANCH CIRCUIT VOLTAGE DROP WIRING SCHEDULE FOR SINGLE PHASE CIRCUITS

BRANCH CIRCUIT RATING (A)	WIRE SIZE (AWG)	MAXIMUM BRANCH CIRCUIT LENGTH (IN FEET) 120V	208V	240V	277V	480V
20A	12	83	143	165	191	331
20A	10	128	222	256	295	511
20A	8	201	348	402	464	804
20A	6	313	542	625	721	1250
30A	10	85	148	170	197	341
30A	8	134	232	268	309	536
30A	6	208	361	417	481	833
30A	4	313	542	625	721	1250

GENERAL NOTES:
1. THE ABOVE TABLE VALUES ARE BASED ON COPPER CONDUCTORS, IN STEEL CONDUIT, WITH A LOAD POWER FACTOR OF 0.85 PER NEC CHAPTER 9, TABLE 9.
2. PROVIDE BRANCH CIRCUIT CONDUCTORS AS INDICATED IN THE TABLE ABOVE FOR ALL LIGHTING AND RECEPTACLE BRANCH CIRCUITS. WHERE BRANCH CIRCUITS SERVE DEDICATED EQUIPMENT, THE CONTRACTOR MAY PERFORM VOLTAGE DROP CALCULATIONS BASED ON ACTUAL EQUIPMENT CONNECTED LOAD AND PROVIDE CONDUCTORS APPROPRIATELY SIZED TO LIMIT VOLTAGE DROP TO A MAXIMUM OF 3%.
3. CONDUCTOR SIZES ARE BASED ON MAXIMUM OF 9 CURRENT CARRYING CONDUCTORS IN A SINGLE CONDUIT.
4. LIMITS FOR CONDUCTOR LENGTHS SHOWN ARE BASED ON A MAXIMUM BRANCH CIRCUIT LOADING OF 64% OF THE BRANCH BREAKER RATING AND A MAXIMUM OF 3 PERCENT VOLTAGE DROP TO COMPLY WITH ASHRAE 90.1 AND THE NEC. FOR CIRCUITS LOADED GREATER THAN 64% OF BRANCH BREAKER RATING, THE CONTRACTOR SHALL PROVIDE CONDUCTORS APPROPRIATELY SIZED TO LIMIT VOLTAGE DROP TO 3%.

MOTOR CIRCUIT SIZING SCHEDULE (480V, 3 PHASE)

MOTOR HP	SWITCH/FUSE	CIRCUIT BREAKER	STARTER SIZE/TYPE	MOTOR DISCONNECT (NOTE 3)
1/2	30/3A	15A	1	30A
3/4	30/3A	15A	1	30A
1	30/6A	15A	1	30A
1 1/2	30/6A	15A	1	30A
2	30/6A	15A	1	30A
3	30/10A	15A	1	30A
5	30/15A	15A	1	30A
7 1/2	30/20A	20A	1	30A
10	30/20A	25A	1	30A
15	30/30A	40A	2	30A
20	60/40A	60A	2	60A
25	60/50A	70A	2	60A
30	60/60A	80A	3	60A
40	100/80A	90A	3	100A
50	100/100A	100A	3	100A
60	200/125A	125A	4	200A
75	200/150A	150A	4	200A
100	200/200A	200A	4	200A
125	200/200A	225A	5	200A
150	400/250A	250A	5	400A
200	400/350A	350A	5	400A

GENERAL NOTES:
1. BASED ON MOTOR FULL LOAD AMPERES AS PROVIDED BY THE NEC
2. BASED ON MOTOR RUNNING OVERLOAD PROTECTIONS PROVIDED BY THERMAL OVERLOAD RELAYS.
3. WHERE THE STARTER IS LOCATED REMOTE FROM THE MOTOR, PROVIDE DISCONNECT LOCATED AT THE MOTOR, SIZE AS INDICATED.

MOTOR CIRCUIT SIZING SCHEDULE (208V, 3 PHASE)

MOTOR HP	SWITCH/FUSE	CIRCUIT BREAKER	STARTER SIZE/TYPE	MOTOR DISCONNECT (NOTE 3)
1/2	30/6A	15A	1	30A
3/4	30/6A	15A	1	30A
1	30/10A	15A	1	30A
1 1/2	30/10A	15A	1	30A
2	30/10A	15A	1	30A
3	30/20A	20A	1	30A
5	30/25A	35A	1	30A
7 1/2	60/40A	50A	1	60A
10	60/50A	60A	2	60A
15	60/60A	90A	3	60A
20	100/90A	100A	3	100A
25	100/100A	110A	3	100A
30	200/125A	125A	4	200A
40	200/175A	175A	4	200A
50	200/200A	200A	5	200A
60	400/250A	250A	5	400A
75	400/300A	300A	5	400A
100	400/400A	400A	6	400A
125	600/500A	600A	6	600A
150	600/600A	600A	6	600A

GENERAL NOTES:
1. BASED ON MOTOR FULL LOAD AMPERES AS PROVIDED BY THE NEC
2. BASED ON MOTOR RUNNING OVERLOAD PROTECTIONS PROVIDED BY THERMAL OVERLOAD RELAYS.
3. WHERE THE STARTER IS LOCATED REMOTE FROM THE MOTOR, PROVIDE DISCONNECT LOCATED AT THE MOTOR, SIZE AS INDICATED.

MOTOR CIRCUIT SIZING SCHEDULE (120V, SINGLE PHASE)

MOTOR HP	CIRCUIT BREAKER	MANUAL MOTOR STARTER SIZE	COMBINATION STARTER SIZE	MOTOR DISCONNECT (NOTE 3)
1/6	15A	1 HP	0	20A
1/4	15A	1 HP	0	20A
1/3	15A	1 HP	0	20A
1/2	20A	1 HP	0	20A

GENERAL NOTES:
1. BASED ON MOTOR FULL LOAD AMPERES AS PROVIDED BY THE NEC
2. BASED ON MOTOR RUNNING OVERLOAD PROTECTIONS PROVIDED BY THERMAL OVERLOAD RELAYS.
3. WHERE THE STARTER IS LOCATED REMOTE FROM THE MOTOR, PROVIDE DISCONNECT LOCATED AT THE MOTOR, SIZE AS INDICATED.

NOTE: SOME SYMBOLS AND ABBREVIATIONS SHOWN MAY NOT APPLY TO THIS PROJECT

RACEWAY / CONDUCTOR / CABLE APPLICATION SCHEDULE

	WIRE: COPPER, TYPE THHN/THWN-2	WIRE: COPPER, TYPE XHHW-2	WIRE: ALUMINUM, TYPE XHHW-2 (100A AND ABOVE ONLY)	RACEWAY: ELECTRICAL METALLIC TUBING (EMT)	RACEWAY: INTERMEDIATE METAL CONDUIT (IMC)	RACEWAY: RIGID STEEL CONDUIT (RSC)	RACEWAY: PVC COATED RIGID STEEL CONDUIT	RACEWAY: RIGID NON-METALLIC CONDUIT (RNC) TYPE EPC-40	RACEWAY: RIGID NON-METALLIC CONDUIT (RNC) TYPE EPC-80	RACEWAY: HIGH DENSITY POLYETHYLENE (HDPE) SCHEDULE 40	RACEWAY: HIGH DENSITY POLYETHYLENE (HDPE) SCHEDULE 80	RACEWAY: FLEXIBLE METAL CONDUIT (FMC)	RACEWAY: LIQUID TIGHT FLEXIBLE METAL CONDUIT (LFMC)	RACEWAY: CABLE TRAY	CABLE/CORD: METAL CLAD TYPE CABLE WITH INSULATED GROUND WIRE (TYPE MC)	CABLE/CORD: TWO HOUR FIRE RATED CABLE (RHH-2) (WETED NOTE 3)	CABLE/CORD: TWO HOUR RATED MC POWER CABLE (KEYED NOTE 3)	CABLE/CORD: VFC CABLE	CABLE/CORD: POWER LIMITED CABLE
FEEDERS - EXTERIOR																				
EXPOSED, SURFACE MOUNTED TO STRUCTURE		X	X		X	X	X													
EXPOSED, WITH FREESTANDING SUPPORT		X	X		X	X	X													
BELOW PARKING LOTS AND ROADWAYS		X	X				X			X		X								
BELOW GREEN SPACE		X	X			X	X				X									
WITHIN 5' OF FOUNDATION WALL		X	X			X	X													
FEEDERS - INTERIOR																				
CONCEALED, ACCESSIBLE CEILINGS	X		X	X	X															
CONCEALED, INACCESSIBLE CEILINGS	X		X	X	X															
CONCEALED IN GYPSUM BOARD PARTITION WALLS	X		X	X	X															
CONCEALED IN CMU WALLS	X		X	X	X															
EXPOSED, BELOW 10' AFF AND SUBJECT TO DAMAGE	X		X		X	X	X													
EXPOSED, BELOW 10' AFF AND NOT SUBJECT TO DAMAGE	X		X	X	X															
EXPOSED, ABOVE 10' AFF UNFINISHED SPACES	X		X	X	X															
BELOW SLAB ON GRADE	X		X			X	X	X	X											
BRANCH CIRCUITS - EXTERIOR																				
EXPOSED, SURFACE MOUNTED TO STRUCTURE		X			X	X	X		X											
EXPOSED, WITH FREESTANDING SUPPORT		X			X	X	X													
BELOW PARKING LOTS AND ROADWAYS		X				X	X	X		X										
BELOW GREEN SPACE		X					X													
WITHIN 5' OF FOUNDATION WALL		X				X	X													
BRANCH CIRCUITS - INTERIOR																				
CONCEALED, ACCESSIBLE CEILINGS	X			X	X											X				
CONCEALED, INACCESSIBLE CEILINGS	X			X	X															
CONCEALED IN GYPSUM BOARD PARTITION WALLS	X			X	X							X				X				
CONCEALED IN CMU WALLS	X			X	X															
EXPOSED, BELOW 10' AFF AND SUBJECT TO DAMAGE	X				X	X	X													
EXPOSED, BELOW 10' AFF AND NOT SUBJECT TO DAMAGE	X			X	X															
EXPOSED, ABOVE 10' AFF UNFINISHED SPACES	X			X	X															
BELOW SLAB ON GRADE	X							X												
SPECIAL APPLICATIONS																				
SERVICE ENTRANCE - UNDERGROUND		X	X					X	X	X	X	X								
CONNECTION BETWEEN VFC AND MOTORS (KEYED NOTE 1)																			X	
CLASS 1 CONTROL CIRCUITS	X				X	X	X													
CLASS 2 CONTROL CIRCUITS	X				X	X	X									X				X
CLASS 3 CONTROL CIRCUITS	X				X	X	X									X				X
EMERGENCY FEEDERS UNDER NEC 700.10(D) (KEYED NOTE 2)		X	X	X	X	X	X	X	X	X	X							X	X	
CONNECTIONS TO TRANSFORMERS, MOTORS AND VIBRATING EQUIPMENT		X												X						

GENERAL NOTES:
1. TRANSITION FROM PVC/HDPE AND PROVIDE RIGID STEEL OR RTRC SWEEPS WHERE CONDUITS PENETRATE WALLS, CONCRETE SLABS, CONCRETE BASES, AND ASPHALT.
2. REFER TO SPECIFICATIONS FOR RESTRICTIONS ON MC/AC CABLE INSTALLATION.
3. EMT SHALL NOT BE USED ON THE EXTERIOR OF A BUILDING OR IN AREAS SUBJECT TO DAMAGE BELOW 10' AFF.
4. INSTALL SURFACE RACEWAYS ONLY WHERE SHOWN ON DRAWINGS.

KEYED NOTES:
1. NON-ARMORED CABLE SHALL BE INSTALLED IN RACEWAY. ARMORED CABLE SHALL BE INSTALLED IN TRAY OR FREE-AIR AS APPLICABLE.
2. EMERGENCY FEEDERS IN OCCUPANCIES THAT ARE UNDER 700.10(D) SHALL HAVE A TWO HOUR RATING. RATING SHALL BE OBTAINED BY ROUTING CONDUIT AND BUILDING WIRE IN SPRINKLERED SPACE, IN A TWO HOUR SHAFT, OUTSIDE OF THE BUILDING, IN A LISTED TWO HOUR RATED RACEWAY, OR UNDER A MINIMUM OF 2" OF CONCRETE; OR BY USING A LISTED TWO-HOUR RATED CABLE ASSEMBLY.
3. SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS BASED ON UL TESTING AND RATING.

FEEDER AND BRANCH CIRCUIT SIZING SCHEDULE - GENERAL PURPOSE

OVERCURRENT DEVICE RATING (AMPERES)	COPPER CONDUCTORS: WIRE SIZE (AWG OR KCMIL) PHASE & NEUTRAL	GROUND	CONDUIT SIZE: SINGLE PHASE 2 WIRE+G (1PH, 1N, 1G)	SINGLE PHASE 3 WIRE+G (2PH, 1N, 1G)	THREE PHASE 3 WIRE+G (3PH, 1G)	THREE PHASE & NEUTRAL 4 WIRE+G (3PH, 1N, 1G)	KEYED NOTES	ALUMINUM CONDUCTORS: WIRE SIZE (AWG OR KCMIL) PHASE & NEUTRAL	GROUND	CONDUIT SIZE: SINGLE PHASE 2 WIRE+G (2PH, 1N, 1G)	THREE PHASE 3 WIRE+G (3PH, 1G)	THREE PHASE & NEUTRAL 4 WIRE+G (3PH, 1N, 1G)
15-20	12	12	3/4"	3/4"	3/4"	3/4"		N/A	N/A	N/A	N/A	N/A
25-30	10	10	3/4"	3/4"	3/4"	3/4"		N/A	N/A	N/A	N/A	N/A
35-40	8	10	3/4"	3/4"	3/4"	3/4"		N/A	N/A	N/A	N/A	N/A
45-50	8 (6)	10	3/4"	3/4"	3/4"	3/4"	1	N/A	N/A	N/A	N/A	N/A
60	6 (4)	10	3/4" (1")	3/4" (1")	3/4" (1")	1" (1 1/4")	1	N/A	N/A	N/A	N/A	N/A
70	4	8	1"	1 1/4"	1 1/4"	1 1/4"		N/A	N/A	N/A	N/A	N/A
80	4 (3)	8	1"	1 1/4"	1 1/4"	1 1/4"	1	N/A	N/A	N/A	N/A	N/A
90-100	3 (2)	8	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1	1	6	1 1/2"	1 1/4"	1 1/2"
110	2 (1)	6	-	1 1/4"	1 1/4"	1 1/4" (1 1/2")	1	1/0	4	1 1/2"	1 1/2"	2"
125	1 (1/0)	6	-	1 1/4" (1 1/2")	1 1/4" (1 1/2")	1 1/2"	1	2/0	4	1 1/2"	1 1/2"	2"
150	1/0	6	-	1 1/2"	1 1/2"	1 1/2"		3/0	4	2"	2"	2 1/2"
175	2/0	6	-	2"	2"	2"		4/0	4	2"	2"	2 1/2"
200	3/0	6	-	2"	2"	2 1/2"		250	4	2"	2"	3"
225	4/0	4	-	2"	2"	2 1/2"		300	2	2 1/2"	2 1/2"	3"
250	250	4	-	2 1/2"	2 1/2"	2 1/2"		350	2	2 1/2"	2 1/2"	3"
300	350	4	-	2 1/2"	2 1/2"	3"		500	2	3"	3"	3 1/2"
350	500	3	-	3"	3"	3"		2-4/0	2-1/0	2-2"	2-2"	2-2"
400	500	3	-	3"	3"	3"		2-250	2-1/0	2-2 1/2"	2-2 1/2"	2-2 1/2"
450	2-4/0	2-2	-	2-2"	2-2"	2-2 1/2"		2-300	2-1/0	2-2 1/2"	2-2 1/2"	2-3"
500	2-250	2-2	-	2-2 1/2"	2-2 1/2"	2-2 1/2"		2-350	2-1/0	2-2 1/2"	2-2 1/2"	2-3"
600	2-350	2-1	-	2-2 1/2"	2-2 1/2"	2-3"		2-500	2-2/0	2-3"	2-3"	2-3 1/2"
700	2-500	2-1/0	-	2-3"	2-3"	2-3 1/2"		2-600	2-3/0	2-3"	2-3"	2-3 1/2"
800	2-500	2-1/0	-	2-3"	2-3"	2-3 1/2"		3-400	3-3/0	3-3"	3-3"	3-3 1/2"
1000	3-400	3-2/0	-	3-3"	3-3"	3-3"		3-600	3-4/0	-	3-3 1/2"	3-3 1/2"
1200	3-600	3-3/0	-	3-3 1/2"	3-3 1/2"	3-3 1/2"		4-500	4-250	-	4-3"	4-3 1/2"
1600	4-600	4-4/0	-	4-3 1/2"	4-3 1/2"	4-3 1/2"		5-600	5-350	-	5-3 1/2"	5-4"
2000	5-600	5-250	-	5-3 1/2"	5-3 1/2"	5-3 1/2"		6-600	6-400	-	6-3 1/2"	6-4"

SPECIAL RECEPTACLES

TYPE	DESCRIPTION
Type 9	125/250V, 20A, SINGLE PHASE, LOCKING RECEPTACLE, 3 POLE, 4 WIRE (NEMA L14-20R)

DTE LIGHTING INCENTIVES PROGRAM:

THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MEETING ALL REQUIREMENTS FOR THE OWNER TO PARTICIPATE IN THE CURRENT DTE ENERGY SAVINGS PROGRAM. ITEMS THAT WILL BE REQUIRED, BUT NOT LIMITED TO, ARE AS FOLLOWS:

1. ON BEHALF OF THE OWNER, REFER TO CURRENT DTE ENERGY PROGRAM APPLICATION FOR REQUIREMENTS. PROVIDE ALL REQUIRED INFORMATION FOR SUBMISSION OF A RESERVE APPLICATION. REFER TO DTE ENERGY PROGRAM APPLICATION AT https://tradeally.efficiencynavigator.com.
2. CONTRACTOR BUSINESS INFORMATION.
3. LIGHTING INCENTIVES WORKSHEET.
4. TYPE OF FIXTURES REMOVED, WATTAGE AND LAMP SIZE.
5. EASY TO READ ITEMIZED INVOICES WITH PART NUMBERS OF ALL LED LIGHT FIXTURES, AND CONTROLS.
6. MANUFACTURERS CUT SHEETS WITH HIGHLIGHTED FIGURES, TYPES OF LED FIXTURES, DRIVERS, AND CONTROLS, ETC. AS REQUIRED BY DTE.
7. MEASURES ARE COMPLETELY INSTALLED WITH 90 DAYS OF PROJECT APPROVAL.

IT IS THE ELECTRICAL CONTRACTORS RESPONSIBILITY TO CONTACT DTE'S ENERGY SAVINGS TEAM OR ASSIGNED REPRESENTATIVE IF A PROJECT IS DELAYED, OR SUBSTANTIALLY CHANGED.

THE ELECTRICAL CONTRACTOR SHALL WORK WITH AND COORDINATE WITH THE OWNER FOR THE RESERVATION PROCESS PRIOR TO SITE WORK BEING CONDUCTED AND POST REVIEW INSPECTION FOR REMOVAL AND INSTALLATION OF ALL EQUIPMENT RELATED TO THE INCENTIVE PROGRAM.

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PBA Project No.: 2025.0327

PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

ELECTRICAL STANDARD SCHEDULES

ISSUE DATES

02-26-2026	D.R. 2 - CONSTRUCTION DOCUMENTS
02-12-2026	OWNER REVIEW
01-23-2026	90% CONSTRUCTION DOCUMENTS
12-19-2025	DESIGN DEVELOPMENT

DATE: ISSUED FOR:

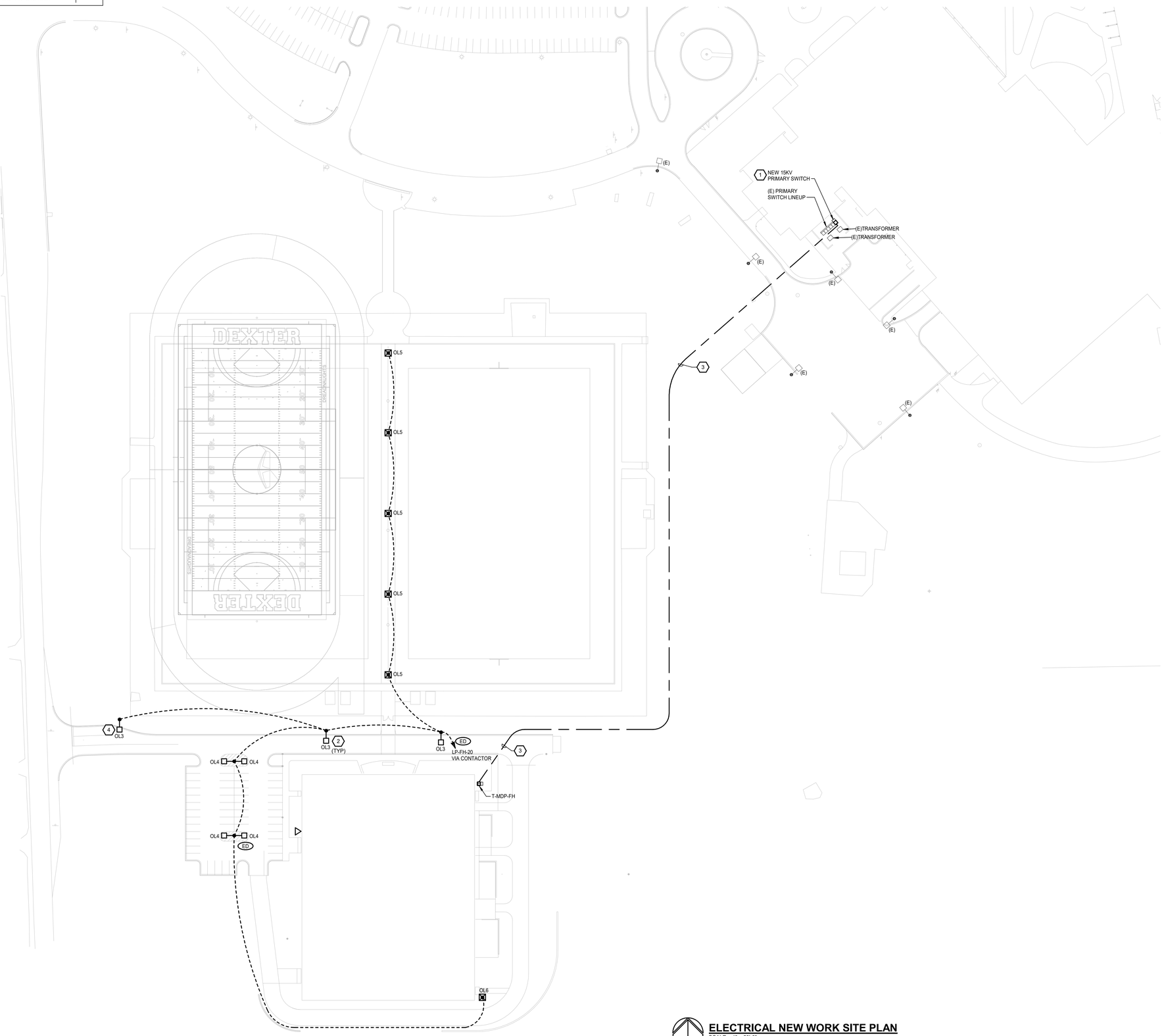
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CHECKED STP
APPROVED STP

PROJECT NO.
25026E

DRAWING NO.
E0.2

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THE FOLLOWING DIMENSION EQUALS ONE INCH WHEN PRINTED TO SCALE. 1"



ELECTRICAL NEW WORK SITE PLAN
SCALE: 1" = 50'-0"

SITE PLAN GENERAL NOTES:

1 THESE NOTES ARE GENERIC GUIDELINES ONLY. ELECTRICAL CONTRACTOR'S PERSONNEL ON SITE SHALL BE THOROUGHLY FAMILIAR WITH THE PUBLISHED SPECIFICATIONS FOR EXACT DESCRIPTIONS OF SCOPE, METHODS, AND MATERIAL.

2 THESE DRAWINGS REPRESENT THE GENERAL EXTENT AND ARRANGEMENT OF SYSTEMS. COORDINATE EXACT EQUIPMENT LOCATIONS, ELEVATIONS, AND FINAL CONNECTION REQUIREMENTS. PROVIDE EACH SYSTEM COMPLETE, INCLUDING ALL NECESSARY COMPONENTS, FITTINGS AND OFFSETS.

3 CONDUCT A SURVEY TO IDENTIFY ALL UNDERGROUND UTILITIES. CALL 811 PRIOR TO EXCAVATION.

4 UTILITIES SHOWN ON THESE DRAWINGS ARE FOR REFERENCE ONLY. COORDINATE EXACT LOCATION OF ALL EXISTING UTILITIES, AND ROUTING OF ALL NEW UNDERGROUND UTILITIES PRIOR TO EXCAVATION.

5 DEWATER TRENCHES PRIOR TO INSTALLATION OF CONDUITS. PROVIDE WATER TIGHT FITTINGS ON ALL UNDERGROUND CONDUITS.

6 COORDINATE DEMOLITION WORK, AND ELECTRICAL AND TELEPHONE SERVICES TO THE SITE, WITH THE RESPECTIVE LOCAL UTILITY COMPANY REPRESENTATIVES PRIOR TO COMMENCEMENT OF WORK. INCLUDE ALL ASSOCIATED COST/FEES BY THE UTILITY COMPANIES IN THE BID PRICE.

7 INSTALL UNDERGROUND CONDUITS 42" BELOW FINISHED GRADE, MINIMUM, UNLESS NOTED OTHERWISE.

8 COORDINATE SERVICE SHUT-DOWNS WITH ALL TRADES INVOLVED ON SITE AND OBTAIN WRITTEN AUTHORIZATION FROM OWNER 72 HOURS PRIOR TO ANY ELECTRICAL AND/OR TELEPHONE SHUT-DOWN.

9 REMOVE ALL DE-ENERGIZED CONDUCTORS FROM SITE AT COMPLETION OF THE PROJECT.

10 OUTDOOR LIGHTING BRANCH CIRCUIT WIRING SHALL BE MINIMUM #8 AWG CONDUCTORS (XHHW-2), IN MINIMUM 1" DIA. CONDUIT, UNLESS NOTED OTHERWISE.

11 SPARE CONDUITS SHALL INCLUDE PULL STRING AND SHALL BE TERMINATED WITH A CAP.

12 EXCAVATE THE ENTIRE LENGTH OF TRENCH TO PROPERLY SET DUCT ELEVATIONS.

(#) CONSTRUCTION KEY NOTES:

1 PROVIDE NEW MEDIUM VOLTAGE FUSED SWITCH ADJACENT TO EXISTING SWITCH LINE-UP.

2 PROVIDE NEW BASE, POLE, LIGHT FIXTURE, AND BRANCH CIRCUIT. PROVIDE NEW CONTACTOR FOR INTEGRATION WITH AND CONTROL BY BMS.

3 UNDERGROUND MEDIUM VOLTAGE FEEDER TO NEW FIELDHOUSE TRANSFORMER.

4 PROVIDE 1" DIAMETER HOLE IN POLE AT 14'-0" FOR CABLING TO POLE MOUNTED SECURITY CAMERA.

Know what's **below.**
Call before you dig.

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DEXTER, MI

DRAWING TITLE

ELECTRICAL NEW WORK SITE PLAN

ISSUE DATES

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02-12-2026	OWNER REVIEW
01-23-2026	90% CONSTRUCTION DOCUMENTS
12-19-2025	DESIGN DEVELOPMENT

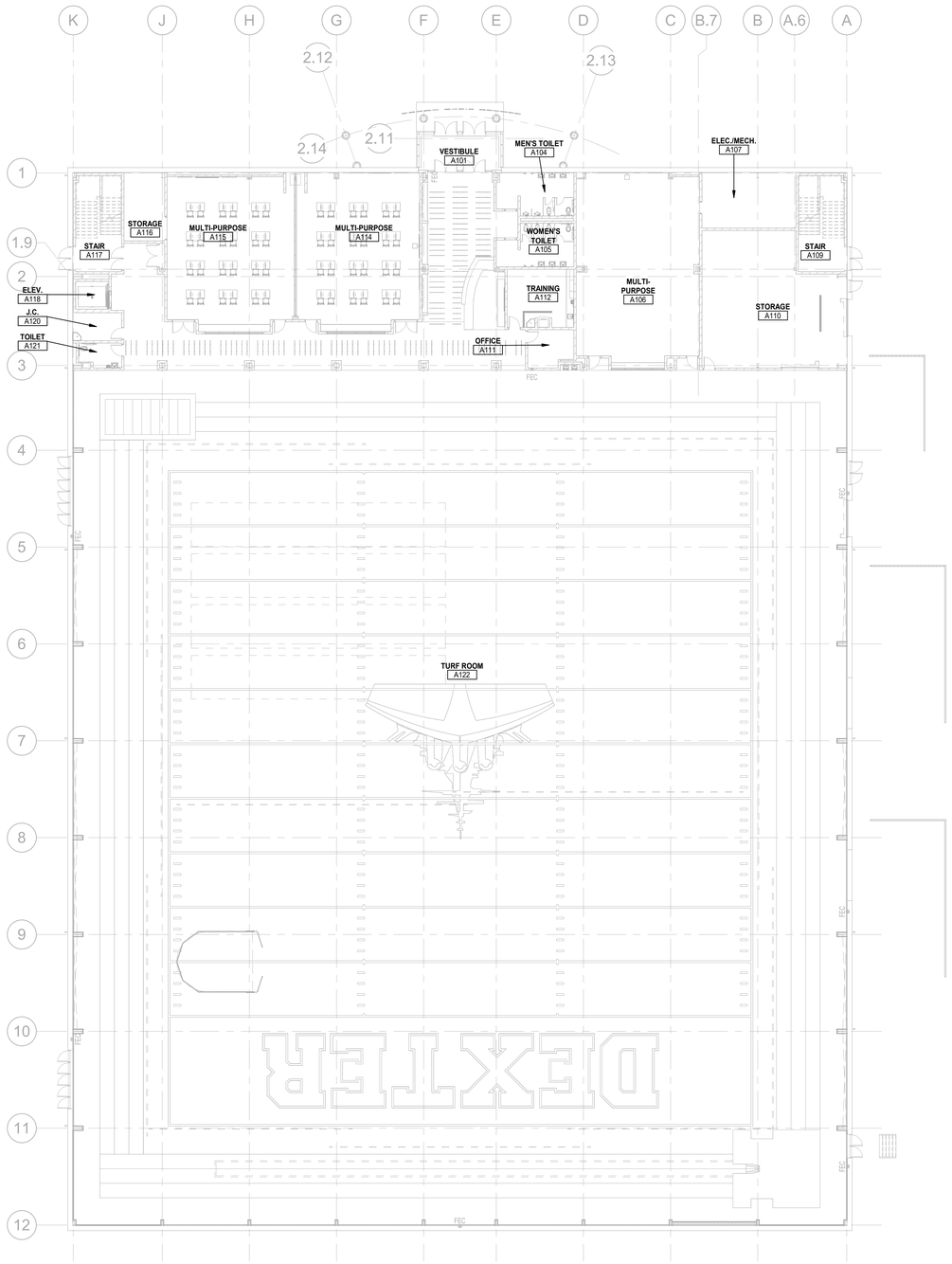
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APPROVED	STP

PROJECT NO.
25026E

DRAWING NO.
E0.3

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THE FOLLOWING DIMENSION EQUALS ONE INCH WHEN PRINTED TO SCALE. 1"



FIRST FLOOR ELECTRICAL COMPOSITE PLAN
SCALE: 1/16" = 1'-0"

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PBA Project No.: 2025.0327

PROJECT TITLE

NEW FIELD HOUSE

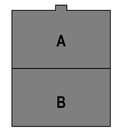
DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

ELECTRICAL COMPOSITE PLAN

N

KEY PLAN



ISSUE DATES

DATE:	ISSUED FOR:
02-26-2026	D.R. 2 - CONSTRUCTION DOCUMENTS
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01-23-2026	90% CONSTRUCTION DOCUMENTS
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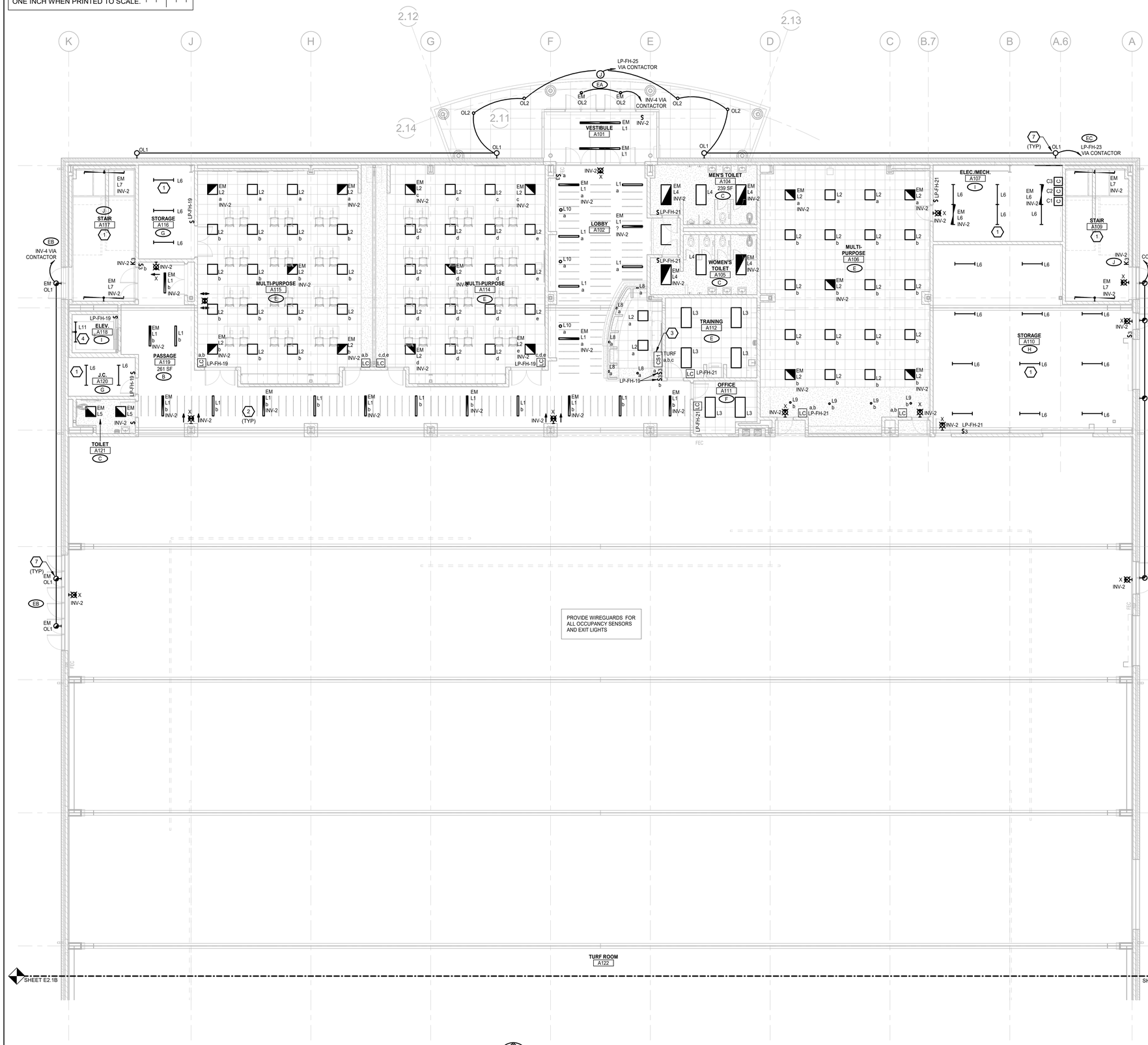
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CHECKED	STP
APPROVED	STP

PROJECT NO.
25026E

DRAWING NO.
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THE FOLLOWING DIMENSION EQUALS ONE INCH WHEN PRINTED TO SCALE. 1"



ELECTRICAL GENERAL NOTES:

1. THESE DRAWINGS REPRESENT THE GENERAL EXTENT AND ARRANGEMENT OF SYSTEMS. COORDINATE EXACT EQUIPMENT LOCATIONS, ELEVATIONS, AND FINAL CONNECTION REQUIREMENTS. PROVIDE EACH SYSTEM COMPLETE, INCLUDING ALL NECESSARY COMPONENTS, FITTINGS AND OFFSETS.
2. INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
3. COORDINATE AND PROVIDE ACCESS DOORS WITHIN INACCESSIBLE CEILING, SHAFT, AND CHASE AREAS FOR ALL COMPONENTS WHICH REQUIRE SERVICE ACCESS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
4. PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL SYSTEMS.
5. TRANSFORMER SECONDARY CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH TRANSFORMER CIRCUIT SIZING SCHEDULE SHOWN ON "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS OTHERWISE NOTED.
6. MOTOR CIRCUIT PROTECTION SHALL BE SIZED IN ACCORDANCE WITH MOTOR CIRCUIT SIZING SCHEDULES SHOWN ON "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS OTHERWISE NOTED.
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10. REFER TO TEMPERATURE CONTROLS SHEETS FOR REQUIRED FIRE ALARM CONTROL MODULES, DUCT SMOKE DETECTORS, AND MOTOR CONTROLLERS. PROVIDE ALL ACCESSORIES INDICATED.
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FIRST LEVEL LIGHTING PLAN - ZONE A

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

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REGISTRATION SEAL

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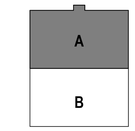
NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

FIRST LEVEL LIGHTING PLAN - ZONE 'A'

KEY PLAN



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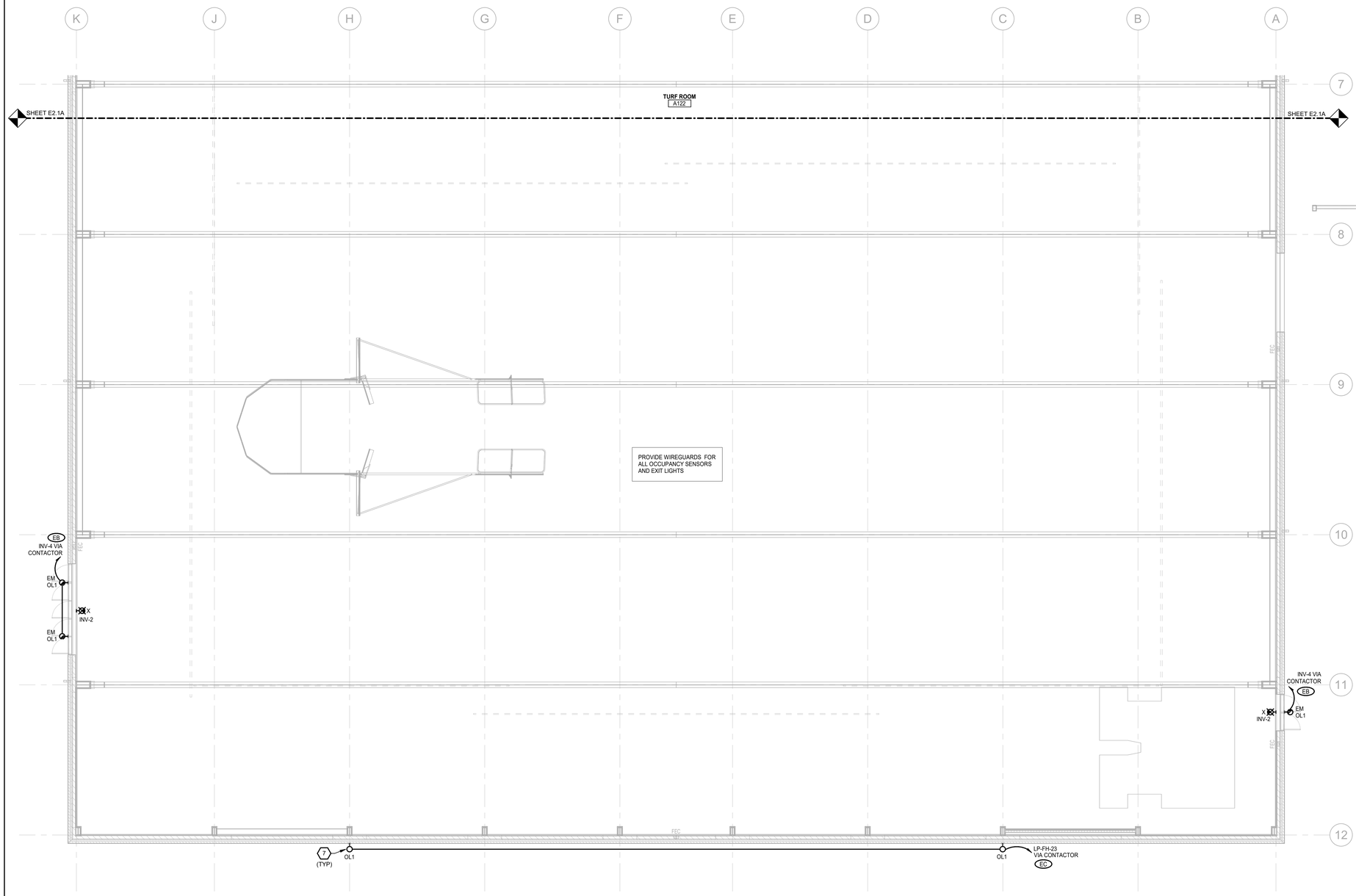
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FIRST LEVEL LIGHTING PLAN - ZONE B

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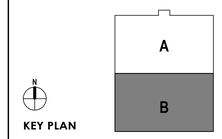
PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

FIRST LEVEL LIGHTING PLAN - ZONE 'B'



KEY PLAN

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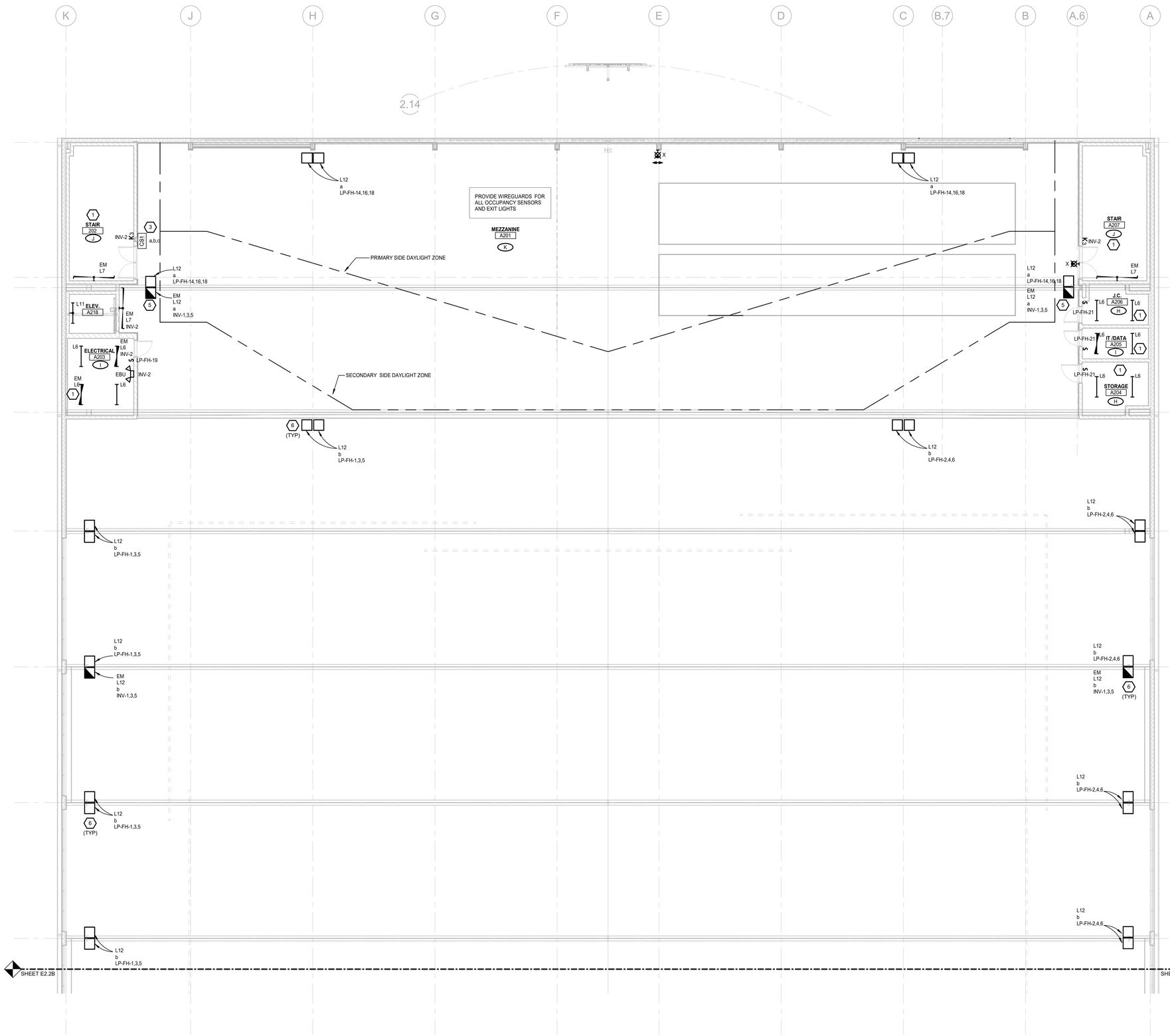
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SECOND LEVEL LIGHTING PLAN - ZONE A

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

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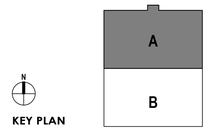
NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
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SECOND LEVEL LIGHTING PLAN - ZONE 'A'

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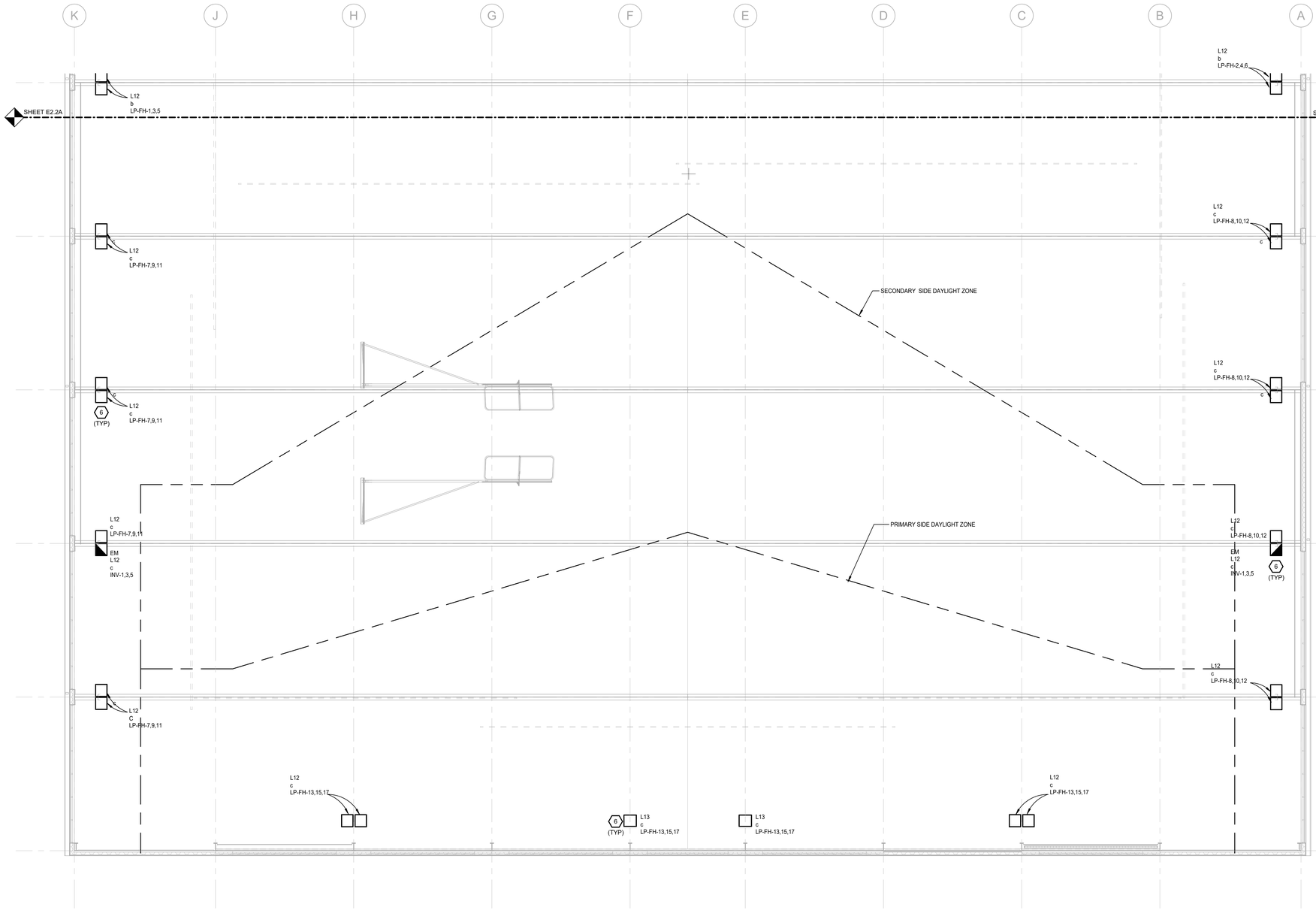
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SECOND LEVEL LIGHTING PLAN - ZONE B

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13. CONNECT EXIT SIGNS TO EMERGENCY LIGHTING BRANCH CIRCUIT SERVING THE AREA. CONNECT AHEAD OF ANY LIGHTING CONTROL DEVICE OR SYSTEM.
14. PROVIDE TAMPER-RESISTANT TYPE RECEPTACLES FOR ALL NEW RECEPTACLES UNLESS OTHERWISE NOTED.

(#) CONSTRUCTION KEY NOTES:

1. MOUNT ALL LIGHT FIXTURES WITHIN SPACE 9'-0"A.F.F. TO BOTTOM OF FIXTURE.
2. MOUNT BOTTOM OF L1 LIGHT FIXTURES PARALLEL WITH BOTTOM OF ADJACENT BANNERS.
3. REMOTE MOUNTED CONTROL STATION FOR FIELD LIGHTS.
4. MOUNT LIGHT FIXTURE IN PIT AT APPROXIMATELY 4'-0"A.F.F.
5. MUSCO LIGHT FIXTURE MOUNTED AT APPROXIMATELY 24'A.F.F. OF FIELD. COORDINATE INSTALLATION WITH MUSCO LIGHTING REPRESENTATIVE.
6. MUSCO LIGHT FIXTURE MOUNTED AT APPROXIMATELY 20'A.F.F. OF FIELD. COORDINATE INSTALLATION WITH MUSCO LIGHTING REPRESENTATIVE.
7. MOUNT OL1 FIXTURE AT 9'-0" AF.F.

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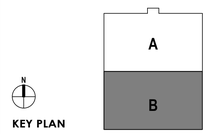
PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

SECOND LEVEL LIGHTING PLAN - ZONE 'B'



KEY PLAN

ISSUE DATES

DATE:	ISSUED FOR:
02-26-2026	D.R. 2 - CONSTRUCTION DOCUMENTS
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APPROVED	STP

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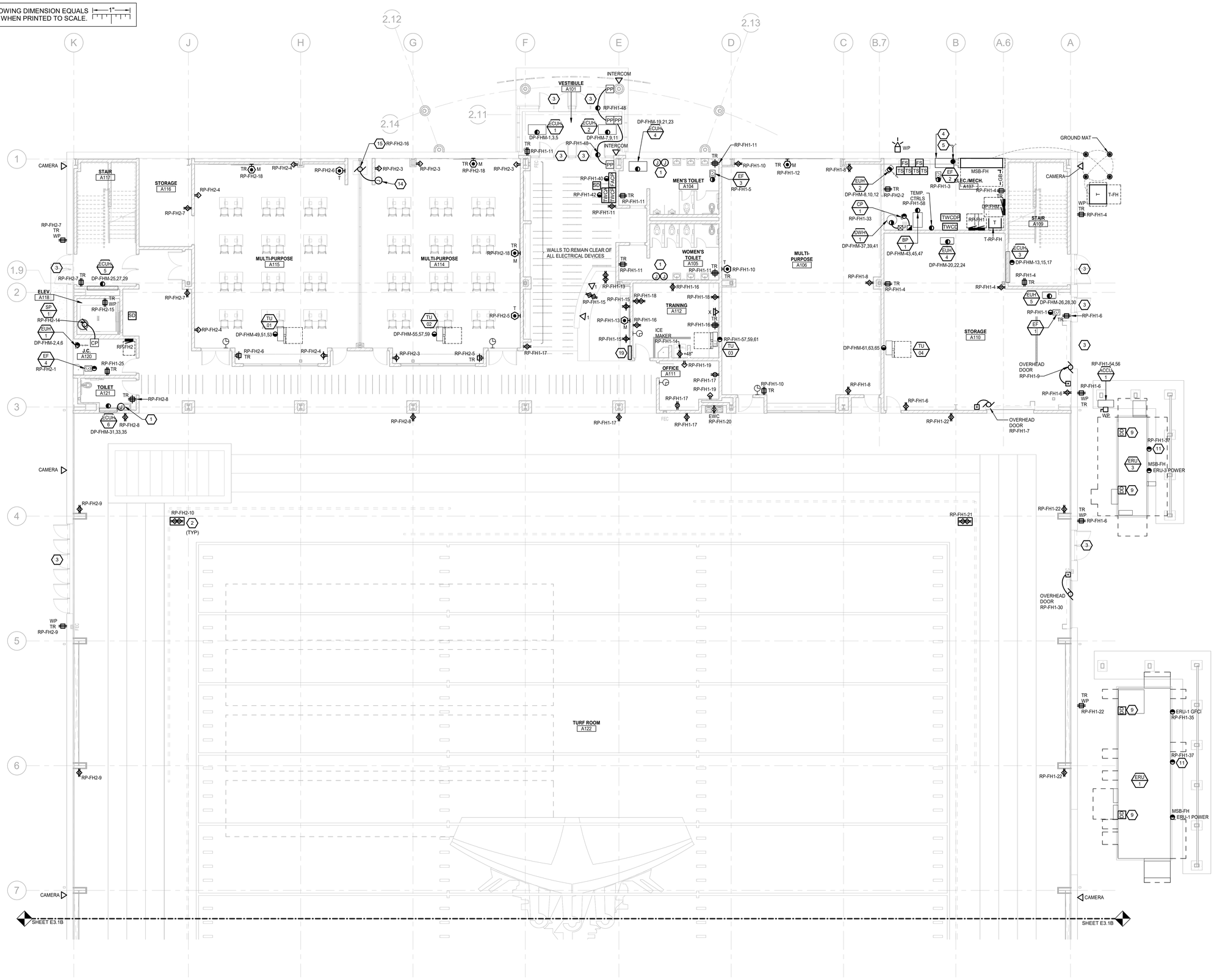
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FIRST LEVEL POWER AND AUXILIARY SYSTEMS PLAN - ZONE A

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

GENERAL NOTES: SEE E3.2A.

CONSTRUCTION NOTES: SEE E3.1B.

CUSTOM TELECOM SCHEDULE: SEE E3.1B

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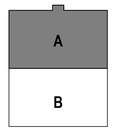
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DEXTER COMMUNITY SCHOOLS
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DRAWING TITLE

FIRST LEVEL POWER AND AUXILIARY SYSTEMS PLAN - ZONE 'A'

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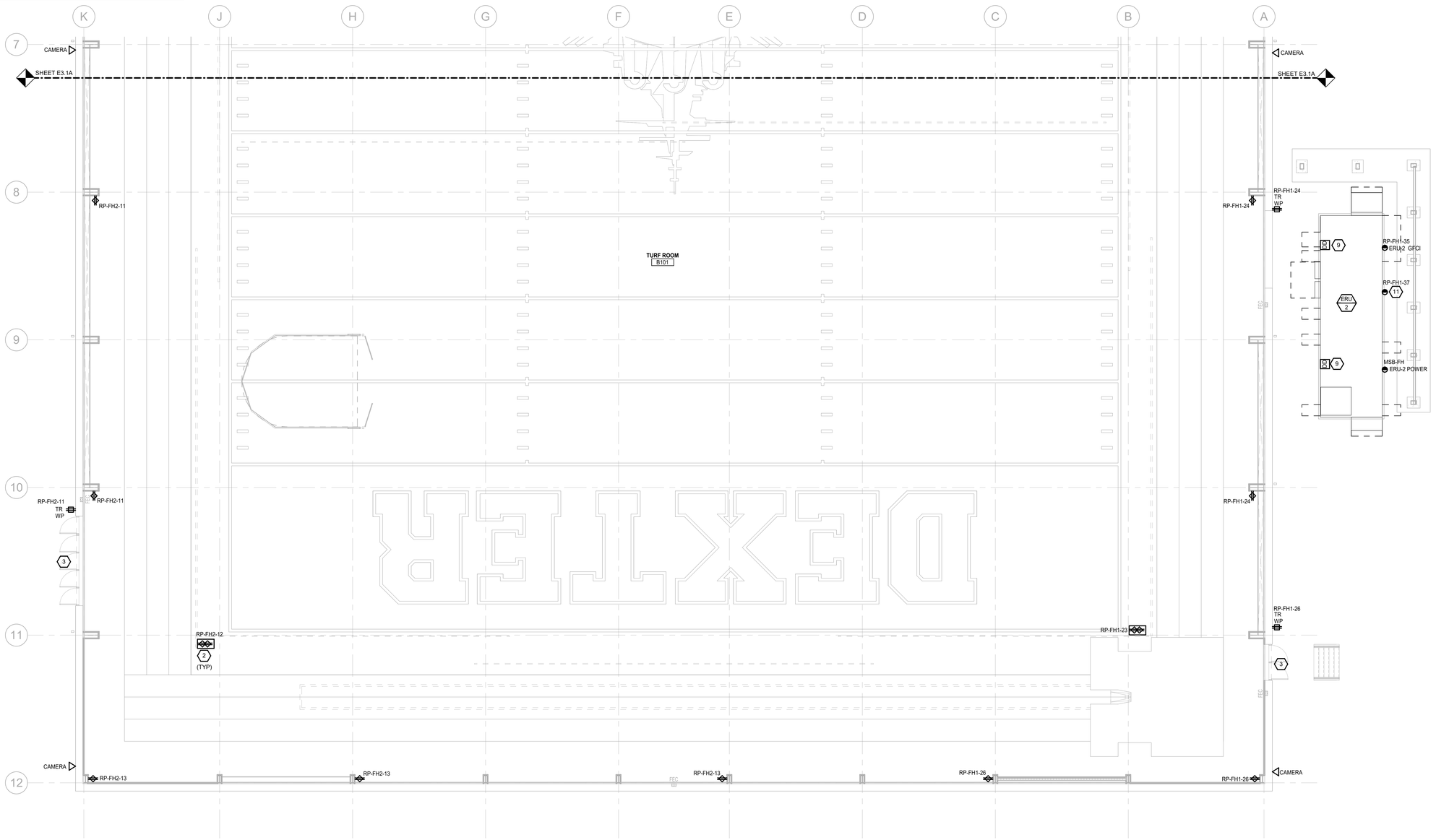
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A/V, SECURITY & TELECOMMUNICATIONS SCHEDULE

SYMBOL	DESCRIPTION
M	WALL MOUNTED MONITOR. (1) QUAD RECEPTACLE ADJACENT TO TECHNOLOGY OUTLET.
T	(1) QUAD RECEPTACLE ADJACENT TO LOWER TECHNOLOGY OUTLET. ONE DUPLEX RECEPTACLE OF QUAD RECEPTACLE TO BE CONTROLLED.
	OUTLET BOX WITH CONDUIT STUBBED TO ACCESSIBLE CEILING FOR TECHNOLOGY. REFER TO TC AND TR SERIES DRAWINGS FOR BOX AND CONDUIT REQUIREMENTS.
	WALL MOUNTED CLOCK. REFER TO TC AND TR SERIES DRAWINGS FOR BOX AND CONDUIT REQUIREMENTS.

REFER TO TC AND TR SERIES DRAWINGS FOR ALL AUDIO/VISUAL, TELECOMMUNICATIONS AND SECURITY BOX AND RACEWAYS REQUIREMENTS AND SIZES.

REFER TO TC AND TR SERIES DRAWINGS FOR ALL AUDIO/VISUAL, TELECOMMUNICATIONS MOUNTING HEIGHTS, LOCATIONS, AND INSTALLATION DETAILS.

ELECTRICAL CONTRACTOR TO PROVIDE ALL BOXES AND RACEWAYS REQUIRED TO SERVE ALL AUDIO/VISUAL, TELECOMMUNICATIONS AND SECURITY EQUIPMENT AND OUTLETS.

FIRST LEVEL POWER AND AUXILIARY SYSTEMS PLAN - ZONE B

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

GENERAL NOTES: SEE E3.2A.

CONSTRUCTION KEY NOTES:

1 ELECTRIC HAND DRYER FURNISHED BY OTHERS, INSTALLED BY ELECTRICAL CONTRACTOR. FIELD COORDINATE MOUNTING HEIGHT WITH ARCHITECT.

2 MOUNT RECEPTACLE IN TURF BOX. TURF BOX PROVIOIDED BY OTHERS.

3 REFER TO TC5XX AND/OR TC6XX DRAWINGS FOR SECURITY DETAILS.

4 SPACE ALLOCATED FOR ELECTRICAL ENERGY STORAGE SYSTEM-READY AREA PER IECC 2021.

5 DEDICATED PATHWAY SPACE FOR ROUTING OF FUTURE CONDUITS TO SOLAR READY ZONE OF ROOF PER IECC 2021. PROVIDE ROOF FOR (1)4"C MINIMUM.

6 ELEVATOR AUXILIARY POWER. PROVIDE CONNECTION TO CONTROLLER LOCATED IN DOOR JAMB.

7 ELEVATOR CAB LIGHTING. PROVIDE CONNECTION TO CONTROLLER LOCATED IN DOOR JAMB.

8 ELEVATOR CONTROL POWER. CONTROLLER LOCATED IN DOOR JAMB. PROVIDE WITH 25A FUSES. PROVIDE SAME SIZE GROUND CONDUCTOR AS PHASE AND NEUTRAL CONDUCTORS. COORDINATE REQUIREMENTS WITH ELEVATOR MANUFACTURER.

9 DUCT SMOKE DETECTOR SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. COORDINATE MOUNTING LOCATION AND QUANTITY WITH THE MECHANICAL DUCTWORK CONTRACTOR. ELECTRICAL CONTRACTOR SHALL WIRE DUCT SMOKE DETECTOR/ERU SUPPLY/RETURN FAN MOTOR CONTROLLER SO THAT UPON DETECTION OF SMOKE, THE SUPPLY/RETURN FAN WILL SHUT DOWN. THIS SHALL BE ACCOMPLISHED VIA THE FIRE ALARM CONTROL PANEL. PROVIDE ALL REQUIRED CONTROL MODULES AND RELAYS. COORDINATE WITH THE TEMPERATURE CONTROLS/FIRE ALARM CONTRACTOR. PROVIDE WEATHERPROOF ENCLOSURES AS REQUIRED.

10 MUSCO LIGHTING CONTROLS & DRIVER CABINETS. COORDINATE EXACT QUANTITIES AND LOCATIONS IN THE FIELD WITH MUSCO LIGHTING. PROVIDE SPACE FOR MINIMUM (13) ELECTRICAL ENCLOSURE CABINETS. (1)CONTROL & MONITORING CABINET, (1)TOUCHSCREEN CONTROL CABINET & (1) ALIC CABINET.

11 HEAT TRACE BY OTHERS.

CONSTRUCTION KEY NOTES:

12 TOUCH PANEL FOR THE BATTING CAGES. VERIFY EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION.

13 PROVIDE 16.7KVA CENTRAL BATTERY INVERTER, 480/277V INPUT / 480/277V OUTPUT, WITH BREAKERS AS INDICATED IN PANEL SCHEDULE.

14 CONTROL BOX FOR ELECTRICALLY OPERATED PARTITIONS. VERIFY EXACT LOCATION WITH OWNER PROIR TO ROUGHING-IN.

15 ELECTRICALLY OPERATED PARTITIONS.

16 DIVIDER CURTAIN BY ARCHITECTURAL TRADES. PROVIDE ALL POWER CONNECTIONS, EQUIPMENT , AND MOTORS AND ALL REQUIRED RACEWAYS AND BACKBOXES FOR WIRING AND CONTROLS. COORDINATE EXACT LOCATION OF CONTROLS WITH ARCHITECTURAL TRADES PRIOR TO ROUGH-IN.

17 ELECTRICAL CONTRACTOR TO PROVIDE ALL POWER CONNECTIONS TO MOTORIZED THROWING/BATTING CAGE, EQUIPMENT, AND MOTORS AND ALL REQUIRED RACEWAYS AND BACKBOXES FOR WIRING AND CONTROLS. COORDINATE EXACT LOCATION OF CONTROLS WITH ARCHITECTURAL TRADES PRIOR TO ROUGH-IN.

18 PROVIDE POWER & TELECOMM TO SERVE ELEVATOR. REFER TO DETAIL ON E7.3 FOR ADDITIONAL INFROMATION.

19 ELECTRICAL CONTRACTOR TO PROVIDE CONNECTION TO TOUCHSCREEN CONTROLLER(BY OTHERS) FOR DIVIDER CURTAIN & GYMNASIUM EQUIPMENT. COORDINATE EXACT LOCATION OF CONTROLS WITH ARCHITECTURAL TRADES PRIOR TO ROUGH IN.

20 EQUIPMENT IS PART OF ALTERNATE. REFER TO ARCHITECTURAL DRAWINGS FOR MORE INFORMATION.

21 POWER FED FROM OUTDOOR UNIT TO INDOOR UNIT.

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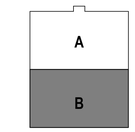
PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

FIRST LEVEL POWER AND AUXILIARY SYSTEMS PLAN - ZONE 'B'



KEY PLAN

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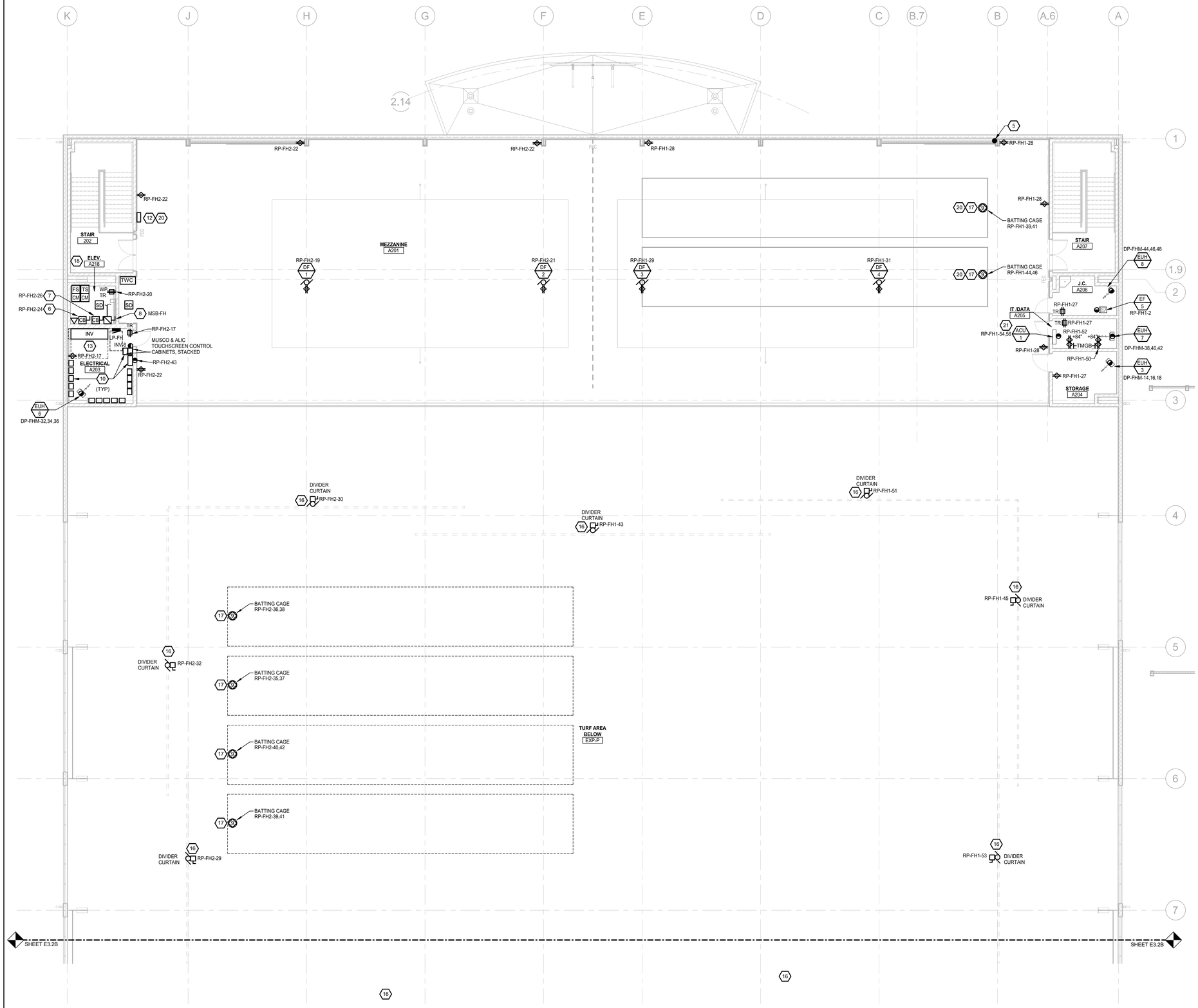
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SECOND LEVEL POWER AND AUXILIARY SYSTEMS PLAN - ZONE A

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

ELECTRICAL GENERAL NOTES:

1. THESE DRAWINGS REPRESENT THE GENERAL EXTENT AND ARRANGEMENT OF SYSTEMS. COORDINATE EXACT EQUIPMENT LOCATIONS, ELEVATIONS, AND FINAL CONNECTION REQUIREMENTS. PROVIDE EACH SYSTEM COMPLETE, INCLUDING ALL NECESSARY COMPONENTS, FITTINGS AND OFFSETS.
2. INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
3. COORDINATE AND PROVIDE ACCESS DOORS WITHIN INACCESSIBLE CEILING, SHAFT, AND CHASE AREAS FOR ALL COMPONENTS WHICH REQUIRE SERVICE ACCESS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
4. PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL SYSTEMS.
5. TRANSFORMER SECONDARY CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH TRANSFORMER CIRCUIT SIZING SCHEDULE SHOWN ON "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS OTHERWISE NOTED.
6. MOTOR CIRCUIT PROTECTION SHALL BE SIZED IN ACCORDANCE WITH MOTOR CIRCUIT SIZING SCHEDULES SHOWN ON "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS OTHERWISE NOTED.
7. COORDINATE THE MOUNTING HEIGHTS OF DEVICES WITH ARCHITECTURAL ELEVATIONS AND THE TRADES INSTALLING THE WORK.
8. COORDINATE EXACT LOCATIONS OF ALL FLOOR SERVICE FITTINGS AND POKE-THROUGH ASSEMBLIES WITH FINAL FURNITURE LAYOUT DRAWINGS.
9. REFER TO MECHANICAL SCHEDULE SHEETS FOR ELECTRICAL REQUIREMENTS FOR MECHANICAL EQUIPMENT. PROVIDE ALL CONNECTIONS, STARTERS, DISCONNECTS, ETC. AS REQUIRED BY SCHEDULES AND WHERE NOTED ELSEWHERE. VERIFY REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH SHOP DRAWINGS SUBMITTALS. NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN EQUIPMENT SUBMITTALS AND ELECTRICAL DRAWINGS. WHERE CIRCUIT SIZES ARE SHOWN ON THE ELECTRICAL DRAWINGS THAT DIFFER FROM WHAT IS INDICATED ON THE MECHANICAL SCHEDULES, PROVIDE THE CIRCUIT OF HIGHER AMPACITY.
10. REFER TO TEMPERATURE CONTROLS SHEETS FOR REQUIRED FIRE ALARM CONTROL MODULES. DUCT SMOKE DETECTORS, AND MOTOR CONTROLLERS. PROVIDE ALL ACCESSORIES INDICATED.
11. THE FIRE ALARM DEVICES SHOWN ON PLAN ARE A PARTIAL REPRESENTATION OF THE FIRE ALARM SYSTEM. PROVIDE THE DESIGN AND INSTALLATION OF A COMPLETE AND FUNCTIONAL FIRE ALARM SYSTEM IN ACCORDANCE WITH THE SPECIFICATIONS, DRAWINGS, AND ALL APPLICABLE CODES. THE FIRE ALARM VENDOR SHALL PROVIDE LAYOUT DRAWINGS INDICATING THE REQUIRED QUANTITIES AND LOCATIONS OF MANUAL PULL STATIONS, NOTIFICATION APPLIANCES, SMOKE AND HEAT DETECTORS, CONTROL MODULES, INTERFACE MODULES. MODULES FOR SPRINKLER FLOW AND TAMPER SWITCHES. ALL CONTROL PANELS, POWER SUPPLIES, AND ADDITIONAL DEVICES AND EQUIPMENT REQUIRED. COORDINATE LOCATIONS OF DEVICES WITH ARCHITECTURAL FINISHES AND REFLECTED CEILING PLANS, INCLUDING ADDITIONAL SMOKE AND HEAT DETECTORS REQUIRED FOR NON-SMOOTH CEILING APPLICATIONS. INCLUDE ALLOWANCES FOR ADJUSTMENT OF DEVICES BY THE ARCHITECT AT THE TIME OF SUBMITTAL TO COORDINATE WITH BUILDING FINISHES AND OTHER CEILING ELEMENTS.
12. REFER TO LIGHTING CONTROL SCHEDULE FOR ROOM CONTROL AND EMERGENCY LIGHTING CIRCUIT CONTROL REQUIREMENTS. DESIGNATION FOR ROOM IS INDICATED AS A LETTERED OVAL SYMBOL.
13. CONNECT EXIT SIGNS TO EMERGENCY LIGHTING BRANCH CIRCUIT SERVING THE AREA. CONNECT AHEAD OF ANY LIGHTING CONTROL DEVICE OR SYSTEM.
14. PROVIDE TAMPER-RESISTANT TYPE RECEPTACLES FOR ALL NEW RECEPTACLES UNLESS OTHERWISE NOTED.

(#) CONSTRUCTION KEY NOTES:

1. ELECTRIC HAND DRYER FURNISHED BY OTHERS, INSTALLED BY ELECTRICAL CONTRACTOR. FIELD COORDINATE MOUNTING HEIGHT WITH ARCHITECT.
2. MOUNT RECEPTACLE IN TURF BOX. TURF BOX PROVIDED BY OTHERS.
3. REFER TO TC5XX AND/OR TC6XX DRAWINGS FOR SECURITY DETAILS.
4. SPACE ALLOCATED FOR ELECTRICAL ENERGY STORAGE SYSTEM-READY AREA PER IECC 2021.
5. DEDICATED PATHWAY SPACE FOR ROUTING OF FUTURE CONDUITS TO SOLAR READY ZONE OF ROOF PER IECC 2021. PROVIDE ROOF FOR (1)4"C MINIMUM.
6. ELEVATOR AUXILIARY POWER. PROVIDE CONNECTION TO CONTROLLER LOCATED IN DOOR JAMB.
7. ELEVATOR CAB LIGHTING. PROVIDE CONNECTION TO CONTROLLER LOCATED IN DOOR JAMB.
8. ELEVATOR CONTROL POWER. CONTROLLER LOCATED IN DOOR JAMB. PROVIDE WITH 25A FUSES. PROVIDE SAME SIZE GROUND CONDUCTOR AS PHASE AND NEUTRAL CONDUCTORS. COORDINATE REQUIREMENTS WITH ELEVATOR MANUFACTURER.
9. DUCT SMOKE DETECTOR SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. COORDINATE MOUNTING LOCATION AND QUANTITY WITH THE MECHANICAL DUCTWORK CONTRACTOR. ELECTRICAL CONTRACTOR SHALL WIRE DUCT SMOKE DETECTOR/ERU SUPPLY/RETURN FAN MOTOR CONTROLLER SO THAT UPON DETECTION OF SMOKE, THE SUPPLY/RETURN FAN WILL SHUT DOWN. THIS SHALL BE ACCOMPLISHED VIA THE FIRE ALARM CONTROL PANEL. PROVIDE ALL REQUIRED CONTROL MODULES AND RELAYS. COORDINATE WITH THE TEMPERATURE CONTROLS/FIRE ALARM CONTRACTOR. PROVIDE WEATHERPROOF ENCLOSURES AS REQUIRED.
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11. HEAT TRACE BY OTHERS.
12. TOUCH PANEL FOR THE BATTING CAGES. VERIFY EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION.
13. PROVIDE 16.7KVA CENTRAL BATTERY INVERTER, 480/277V INPUT / 480/277V OUTPUT, WITH BREAKERS AS INDICATED IN PANEL SCHEDULE.
14. CONTROL BOX FOR ELECTRICALLY OPERATED PARTITIONS. VERIFY EXACT LOCATION WITH OWNER PROIR TO ROUGHING-IN.
15. ELECTRICALLY OPERATED PARTITIONS.
16. DIVIDER CURTAIN BY ARCHITECTURAL TRADES. PROVIDE ALL POWER CONNECTIONS, EQUIPMENT , AND MOTORS AND ALL REQUIRED RACEWAYS AND BACKBOXES FOR WIRING AND CONTROLS. COORDINATE EXACT LOCATION OF CONTROLS WITH ARCHITECTURAL TRADES PRIOR TO ROUGH-IN.
17. ELECTRICAL CONTRACTOR TO PROVIDE ALL POWER CONNECTIONS TO MOTORIZED THROWING/BATTING CAGE, EQUIPMENT, AND MOTORS AND ALL REQUIRED RACEWAYS AND BACKBOXES FOR WIRING AND CONTROLS. COORDINATE EXACT LOCATION OF CONTROLS WITH ARCHITECTURAL TRADES PRIOR TO ROUGH-IN.
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20. EQUIPMENT IS PART OF ALTERNATE. REFER TO ARCHITECTURAL DRAWINGS FOR MORE INFORMATION.
21. POWER FED FROM OUTDOOR UNIT TO INDOOR UNIT.

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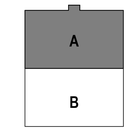
NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

SECOND LEVEL POWER AND AUXILIARY SYSTEMS PLAN - ZONE 'A'

KEY PLAN



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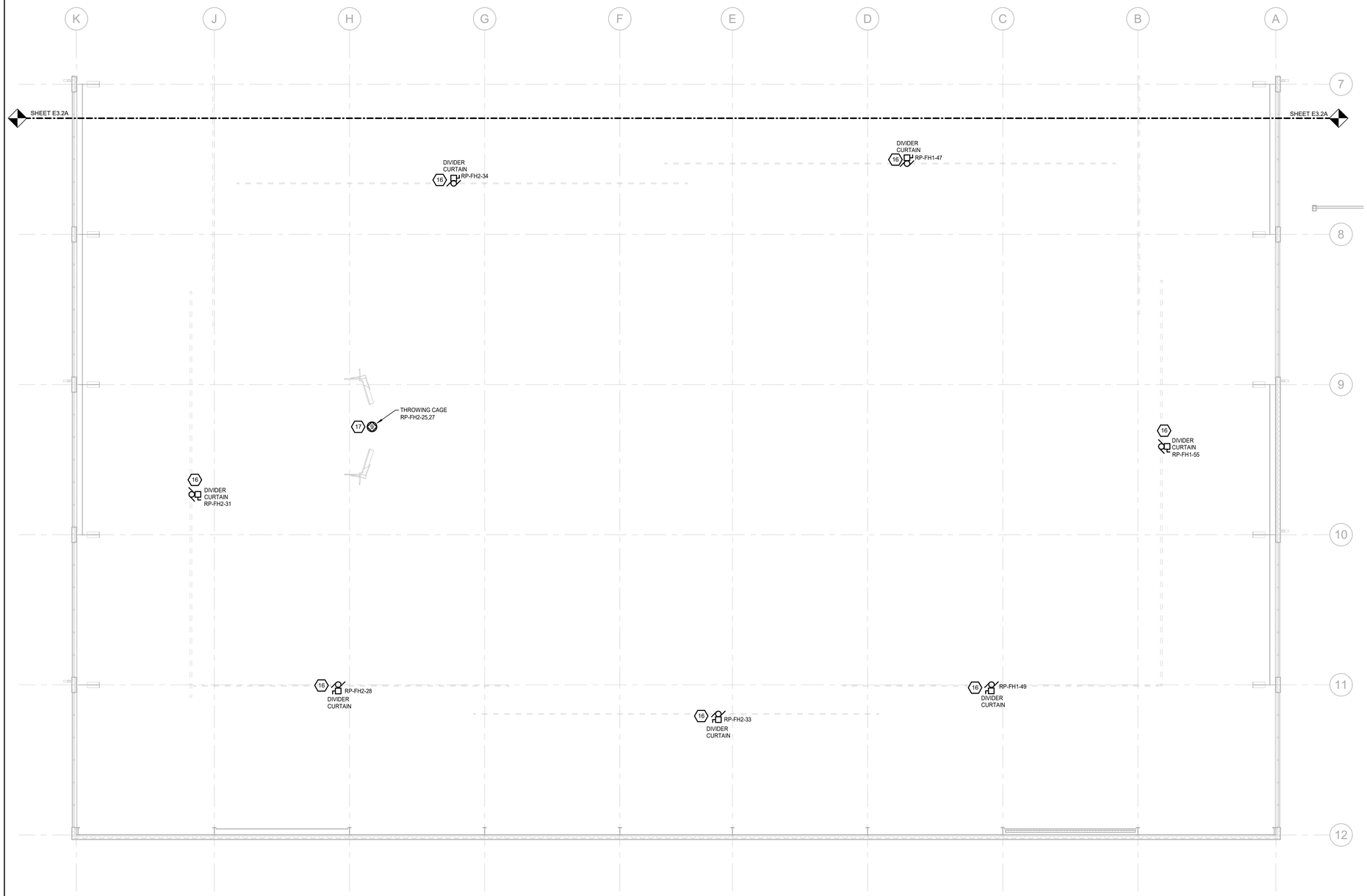
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SECOND LEVEL POWER AND AUXILIARY SYSTEMS PLAN - ZONE B

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

ELECTRICAL GENERAL NOTES:

1 THESE DRAWINGS REPRESENT THE GENERAL EXTENT AND ARRANGEMENT OF SYSTEMS. COORDINATE EXACT EQUIPMENT LOCATIONS, ELEVATIONS, AND FINAL CONNECTION REQUIREMENTS. PROVIDE EACH SYSTEM COMPLETE, INCLUDING ALL NECESSARY COMPONENTS, FITTINGS AND OFFSETS.

2 INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.

3 COORDINATE AND PROVIDE ACCESS DOORS WITHIN INACCESSIBLE CEILING, SHAFT, AND CHASE AREAS FOR ALL COMPONENTS WHICH REQUIRE SERVICE ACCESS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.

4 PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL SYSTEMS.

5 TRANSFORMER SECONDARY CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH TRANSFORMER CIRCUIT SIZING SCHEDULE SHOWN ON "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS OTHERWISE NOTED.

6 MOTOR CIRCUIT PROTECTION SHALL BE SIZED IN ACCORDANCE WITH MOTOR CIRCUIT SIZING SCHEDULES SHOWN ON "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS OTHERWISE NOTED.

7 COORDINATE THE MOUNTING HEIGHTS OF DEVICES WITH ARCHITECTURAL ELEVATIONS AND THE TRADES INSTALLING THE WORK.

8 COORDINATE EXACT LOCATIONS OF ALL FLOOR SERVICE FITTINGS AND POKE-THROUGH ASSEMBLIES WITH FINAL FURNITURE LAYOUT DRAWINGS.

9 REFER TO MECHANICAL SCHEDULE SHEETS FOR ELECTRICAL REQUIREMENTS FOR MECHANICAL EQUIPMENT. PROVIDE ALL CONNECTIONS, STARTERS, DISCONNECTS, ETC. AS REQUIRED BY SCHEDULES AND WHERE NOTED ELSEWHERE. VERIFY REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH SHOP DRAWINGS SUBMITTALS. NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN EQUIPMENT SUBMITTALS AND ELECTRICAL DRAWINGS. WHERE CIRCUIT SIZES ARE SHOWN ON THE ELECTRICAL DRAWINGS THAT DIFFER FROM WHAT IS INDICATED ON THE MECHANICAL SCHEDULES, PROVIDE THE CIRCUIT OF HIGHER AMPACITY.

10 REFER TO TEMPERATURE CONTROLS SHEETS FOR REQUIRED FIRE ALARM CONTROL MODULES. DUCT SMOKE DETECTORS, AND MOTOR CONTROLLERS. PROVIDE ALL ACCESSORIES INDICATED.

11 THE FIRE ALARM DEVICES SHOWN ON PLAN ARE A PARTIAL REPRESENTATION OF THE FIRE ALARM SYSTEM. PROVIDE THE DESIGN AND INSTALLATION OF A COMPLETE AND FUNCTIONAL FIRE ALARM SYSTEM IN ACCORDANCE WITH THE SPECIFICATIONS, DRAWINGS, AND ALL APPLICABLE CODES. THE FIRE ALARM VENDOR SHALL PROVIDE LAYOUT DRAWINGS INDICATING THE REQUIRED QUANTITIES AND LOCATIONS OF MANUAL PULL STATIONS, NOTIFICATION APPLIANCES, SMOKE AND HEAT DETECTORS, CONTROL MODULES, INTERFACE MODULES, MODULES FOR SPRINKLER FLOW AND TAMPER SWITCHES. ALL CONTROL PANELS, POWER SUPPLIES, AND ADDITIONAL DEVICES AND EQUIPMENT REQUIRED. COORDINATE LOCATIONS OF DEVICES WITH ARCHITECTURAL FINISHES AND REFLECTED CEILING PLANS, INCLUDING ADDITIONAL SMOKE AND HEAT DETECTORS REQUIRED FOR NON-SMOOTH CEILING APPLICATIONS. INCLUDE ALLOWANCES FOR ADJUSTMENT OF DEVICES BY THE ARCHITECT AT THE TIME OF SUBMITTAL TO COORDINATE WITH BUILDING FINISHES AND OTHER CEILING ELEMENTS.

12 REFER TO LIGHTING CONTROL SCHEDULE FOR ROOM CONTROL AND EMERGENCY LIGHTING CIRCUIT CONTROL REQUIREMENTS. DESIGNATION FOR ROOM IS INDICATED AS A LETTERED OVAL SYMBOL.

13 CONNECT EXIT SIGNS TO EMERGENCY LIGHTING BRANCH CIRCUIT SERVING THE AREA. CONNECT AHEAD OF ANY LIGHTING CONTROL DEVICE OR SYSTEM.

14 PROVIDE TAMPER-RESISTANT TYPE RECEPTACLES FOR ALL NEW RECEPTACLES UNLESS OTHERWISE NOTED.

(#) CONSTRUCTION KEY NOTES:

1 ELECTRIC HAND DRYER FURNISHED BY OTHERS, INSTALLED BY ELECTRICAL CONTRACTOR. FIELD COORDINATE MOUNTING HEIGHT WITH ARCHITECT.

2 MOUNT RECEPTACLE IN TURF BOX. TURF BOX PROVIODED BY OTHERS.

3 REFER TO TC5XX AND/OR TC6XX DRAWINGS FOR SECURITY DETAILS.

4 SPACE ALLOCATED FOR ELECTRICAL ENERGY STORAGE SYSTEM-READY AREA PER IECC 2021.

5 DEDICATED PATHWAY SPACE FOR ROUTING OF FUTURE CONDUITS TO SOLAR READY ZONE OF ROOF PER IECC 2021. PROVIDE ROOF FOR (1)4"C MINIMUM.

6 ELEVATOR AUXILIARY POWER. PROVIDE CONNECTION TO CONTROLLER LOCATED IN DOOR JAMB.

7 ELEVATOR CAB LIGHTING. PROVIDE CONNECTION TO CONTROLLER LOCATED IN DOOR JAMB.

8 ELEVATOR CONTROL POWER. CONTROLLER LOCATED IN DOOR JAMB. PROVIDE WITH 25A FUSES. PROVIDE SAME SIZE GROUND CONDUCTOR AS PHASE AND NEUTRAL CONDUCTORS. COORDINATE REQUIREMENTS WITH ELEVATOR MANUFACTURER.

9 DUCT SMOKE DETECTOR SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. COORDINATE MOUNTING LOCATION AND QUANTITY WITH THE MECHANICAL DUCTWORK CONTRACTOR. ELECTRICAL CONTRACTOR SHALL WIRE DUCT SMOKE DETECTOR/ERU SUPPLY/RETURN FAN MOTOR CONTROLLER SO THAT UPON DETECTION OF SMOKE, THE SUPPLY/RETURN FAN WILL SHUT DOWN. THIS SHALL BE ACCOMPLISHED VIA THE FIRE ALARM CONTROL PANEL. PROVIDE ALL REQUIRED CONTROL MODULES AND RELAYS. COORDINATE WITH THE TEMPERATURE CONTROLS/FIRE ALARM CONTRACTOR. PROVIDE WEATHERPROOF ENCLOSURES AS REQUIRED.

10 MUSCO LIGHTING CONTROLS & DRIVER CABINETS. COORDINATE EXACT QUANTITIES AND LOCATIONS IN THE FIELD WITH MUSCO LIGHTING. PROVIDE SPACE FOR MINIMUM (13) ELECTRICAL ENCLOSURE CABINETS, (1)CONTROL & MONITORING CABINET, (1)TOUCHSCREEN CONTROL CABINET & (1) ALIC CABINET.

11 HEAT TRACE BY OTHERS.

12 TOUCH PANEL FOR THE BATTING CAGES. VERIFY EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION.

13 PROVIDE 16.7KVA CENTRAL BATTERY INVERTER, 480/277V INPUT / 480/277V OUTPUT, WITH BREAKERS AS INDICATED IN PANEL SCHEDULE.

14 CONTROL BOX FOR ELECTRICALLY OPERATED PARTITIONS. VERIFY EXACT LOCATION WITH OWNER PROIR TO ROUGHING-IN.

15 ELECTRICALLY OPERATED PARTITIONS.

16 DIVIDER CURTAIN BY ARCHITECTURAL TRADES. PROVIDE ALL POWER CONNECTIONS, EQUIPMENT , AND MOTORS AND ALL REQUIRED RACEWAYS AND BACKBOXES FOR WIRING AND CONTROLS. COORDINATE EXACT LOCATION OF CONTROLS WITH ARCHITECTURAL TRADES PRIOR TO ROUGH-IN.

17 ELECTRICAL CONTRACTOR TO PROVIDE ALL POWER CONNECTIONS TO MOTORIZED THROWING/BATTING CAGE, EQUIPMENT, AND MOTORS AND ALL REQUIRED RACEWAYS AND BACKBOXES FOR WIRING AND CONTROLS. COORDINATE EXACT LOCATION OF CONTROLS WITH ARCHITECTURAL TRADES PRIOR TO ROUGH-IN.

18 PROVIDE POWER & TELECOMM TO SERVE ELEVATOR. REFER TO DETAIL ON E7.3 FOR ADDITIONAL INFROMATION.

19 ELECTRICAL CONTRACTOR TO PROVIDE CONNECTION TO TOUCHSCREEN CONTROLLER(BY OTHERS) FOR DIVIDER CURTAIN & GYMNASIUM EQUIPMENT. COORDINATE EXACT LOCATION OF CONTROLS WITH ARCHITECTURAL TRADES PRIOR TO ROUGH IN.

20 EQUIPMENT IS PART OF ALTERNATE. REFER TO ARCHITECTURAL DRAWINGS FOR MORE INFORMATION.

21 POWER FED FROM OUTDOOR UNIT TO INDOOR UNIT.

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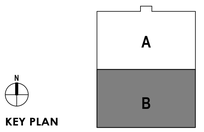
PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

SECOND LEVEL POWER AND AUXILIARY SYSTEMS PLAN - ZONE 'B'



KEY PLAN

ISSUE DATES

DATE:	ISSUED FOR:
02-26-2026	D.R. 2 - CONSTRUCTION DOCUMENTS
02-12-2026	OWNER REVIEW
01-23-2026	90% CONSTRUCTION DOCUMENTS
12-19-2025	DESIGN DEVELOPMENT

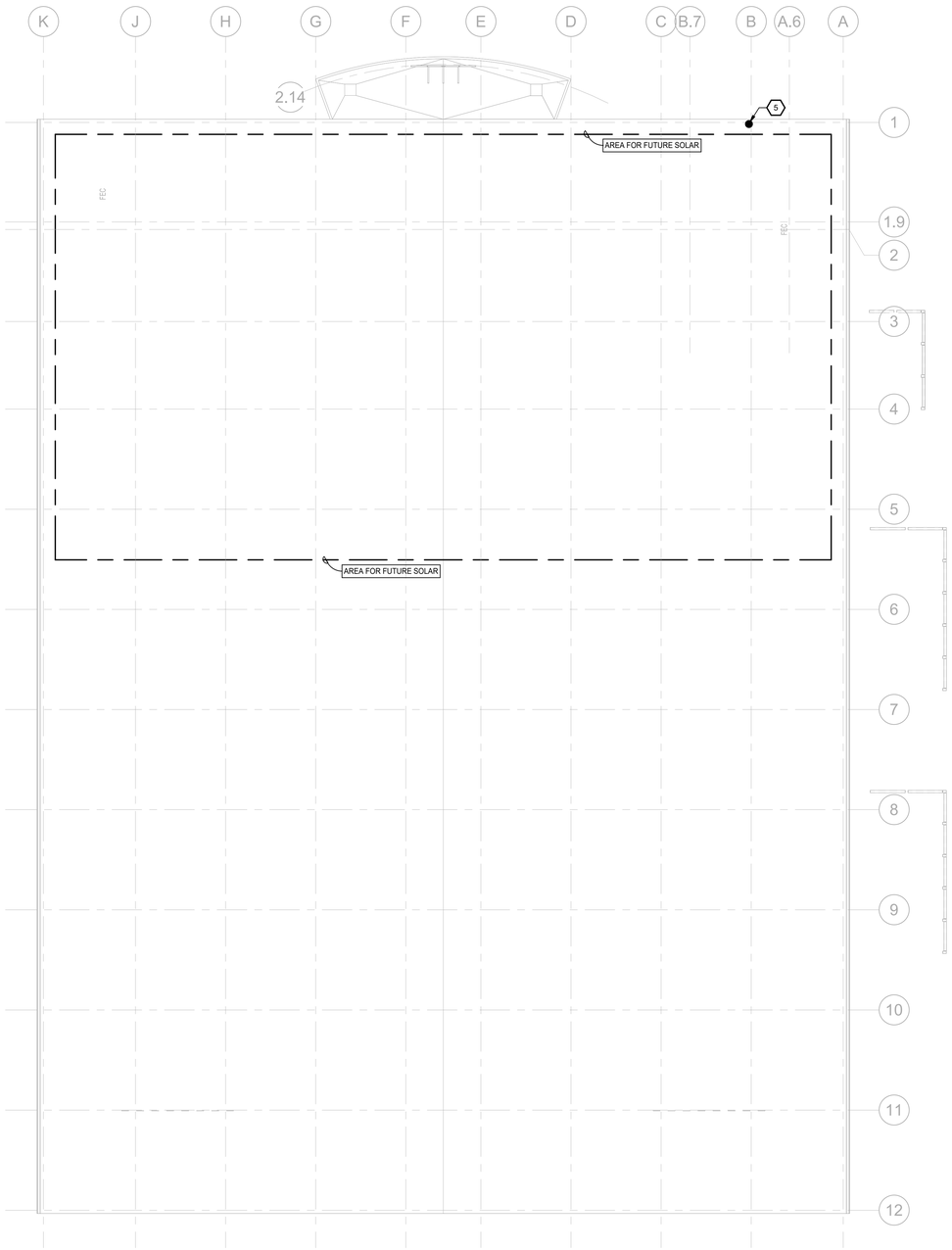
DRAWN	DMN
CHECKED	STP
APPROVED	STP

PROJECT NO.
25026E

DRAWING NO.
E3.2B

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2/26/2026 10:33:35 AM Autodesk Docs://25026E_Dexter - New Field House/2025-0327_MEP_Dexter Fieldhouse_v25.rvt

THE FOLLOWING DIMENSION EQUALS ONE INCH WHEN PRINTED TO SCALE. 1"



ROOF POWER AND AUXILIARY SYSTEMS PLAN
SCALE: 1/16" = 1'-0"

ELECTRICAL GENERAL NOTES:

1 THESE DRAWINGS REPRESENT THE GENERAL EXTENT AND ARRANGEMENT OF SYSTEMS. COORDINATE EXACT EQUIPMENT LOCATIONS, ELEVATIONS, AND FINAL CONNECTION REQUIREMENTS. PROVIDE EACH SYSTEM COMPLETE, INCLUDING ALL NECESSARY COMPONENTS, FITTINGS AND OFFSETS.

2 INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.

3 COORDINATE AND PROVIDE ACCESS DOORS WITHIN INACCESSIBLE CEILING, SHAFT, AND CHASE AREAS FOR ALL COMPONENTS WHICH REQUIRE SERVICE ACCESS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.

4 PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL SYSTEMS.

5 TRANSFORMER SECONDARY CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH TRANSFORMER CIRCUIT SIZING SCHEDULE SHOWN ON "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS OTHERWISE NOTED.

6 MOTOR CIRCUIT PROTECTION SHALL BE SIZED IN ACCORDANCE WITH MOTOR CIRCUIT SIZING SCHEDULES SHOWN ON "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS OTHERWISE NOTED.

7 COORDINATE THE MOUNTING HEIGHTS OF DEVICES WITH ARCHITECTURAL ELEVATIONS AND THE TRADES INSTALLING THE WORK.

8 COORDINATE EXACT LOCATIONS OF ALL FLOOR SERVICE FITTINGS AND POKE-THROUGH ASSEMBLIES WITH FINAL FURNITURE LAYOUT DRAWINGS.

9 REFER TO MECHANICAL SCHEDULE SHEETS FOR ELECTRICAL REQUIREMENTS FOR MECHANICAL EQUIPMENT. PROVIDE ALL CONNECTIONS, STARTERS, DISCONNECTS, ETC. AS REQUIRED BY SCHEDULES AND WHERE NOTED ELSEWHERE. VERIFY REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH SHOP DRAWINGS SUBMITTALS. NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN EQUIPMENT SUBMITTALS AND ELECTRICAL DRAWINGS. WHERE CIRCUIT SIZES ARE SHOWN ON THE ELECTRICAL DRAWINGS THAT DIFFER FROM WHAT IS INDICATED ON THE MECHANICAL SCHEDULES, PROVIDE THE CIRCUIT OF HIGHER AMPACITY.

10 REFER TO TEMPERATURE CONTROLS SHEETS FOR REQUIRED FIRE ALARM CONTROL MODULES, DUCT SMOKE DETECTORS, AND MOTOR CONTROLLERS. PROVIDE ALL ACCESSORIES INDICATED.

11 THE FIRE ALARM DEVICES SHOWN ON PLAN ARE A PARTIAL REPRESENTATION OF THE FIRE ALARM SYSTEM. PROVIDE THE DESIGN AND INSTALLATION OF A COMPLETE AND FUNCTIONAL FIRE ALARM SYSTEM IN ACCORDANCE WITH THE SPECIFICATIONS, DRAWINGS, AND ALL APPLICABLE CODES. THE FIRE ALARM VENDOR SHALL PROVIDE LAYOUT DRAWINGS INDICATING THE REQUIRED QUANTITIES AND LOCATIONS OF MANUAL PULL STATIONS, NOTIFICATION APPLIANCES, SMOKE AND HEAT DETECTORS, CONTROL MODULES, INTERFACE MODULES, MODULES FOR SPRINKLER FLOW AND TAMPER SWITCHES. ALL CONTROL PANELS, POWER SUPPLIES, AND ADDITIONAL DEVICES AND EQUIPMENT REQUIRED. COORDINATE LOCATIONS OF DEVICES WITH ARCHITECTURAL FINISHES AND REFLECTED CEILING PLANS, INCLUDING ADDITIONAL SMOKE AND HEAT DETECTORS REQUIRED FOR NON-SMOOTH CEILING APPLICATIONS. INCLUDE ALLOWANCES FOR ADJUSTMENT OF DEVICES BY THE ARCHITECT AT THE TIME OF SUBMITTAL TO COORDINATE WITH BUILDING FINISHES AND OTHER CEILING ELEMENTS.

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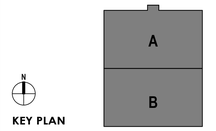
PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

ROOF POWER AND AUXILIARY SYSTEMS PLAN



KEY PLAN

ISSUE DATES

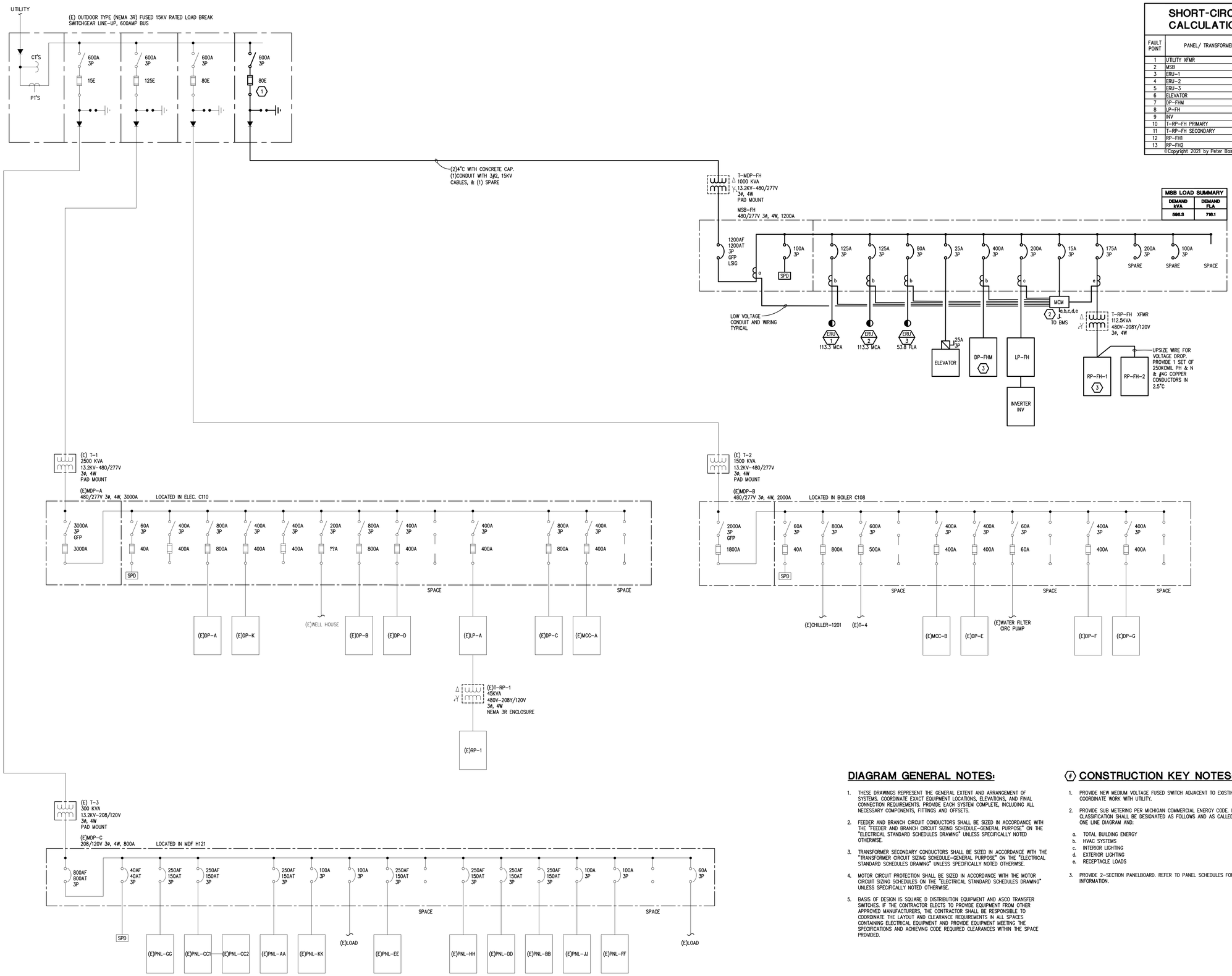
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12-19-2025	DESIGN DEVELOPMENT

DRAWN	DMN
CHECKED	STP
APPROVED	STP

PROJECT NO.
25026E

DRAWING NO.
E3.3

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ONE LINE DIAGRAM
NO SCALE

SHORT-CIRCUIT CALCULATIONS

FAULT POINT	PANEL/ TRANSFORMER	Isc
1	UTILITY XFMR	15,689
2	MSB	15,386
3	ERU-1	7,846
4	ERU-2	6,840
5	ERU-3	6,063
6	ELEVATOR	1,098
7	DP-FHM	14,598
8	LP-FH	7,721
9	INV	6,499
10	T-RP-FH PRIMARY	13,390
11	T-RP-FH SECONDARY	4,624
12	RP-FH1	4,489
13	RP-FH2	3,008

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DIAGRAM GENERAL NOTES:

1. THESE DRAWINGS REPRESENT THE GENERAL EXTENT AND ARRANGEMENT OF SYSTEMS. COORDINATE EXACT EQUIPMENT LOCATIONS, ELEVATIONS, AND FINAL CONNECTION REQUIREMENTS. PROVIDE EACH SYSTEM COMPLETE, INCLUDING ALL NECESSARY COMPONENTS, FITTINGS AND OFFSETS.
2. FEEDER AND BRANCH CIRCUIT CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH THE "FEEDER AND BRANCH CIRCUIT SIZING SCHEDULE-GENERAL PURPOSE" ON THE "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS SPECIFICALLY NOTED OTHERWISE.
3. TRANSFORMER SECONDARY CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH THE "TRANSFORMER CIRCUIT SIZING SCHEDULE-GENERAL PURPOSE" ON THE "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS SPECIFICALLY NOTED OTHERWISE.
4. MOTOR CIRCUIT PROTECTION SHALL BE SIZED IN ACCORDANCE WITH THE MOTOR CIRCUIT SIZING SCHEDULES ON THE "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS SPECIFICALLY NOTED OTHERWISE.
5. BASIS OF DESIGN IS SQUARE D DISTRIBUTION EQUIPMENT AND ASCO TRANSFER SWITCHES. IF THE CONTRACTOR ELECTS TO PROVIDE EQUIPMENT FROM OTHER APPROVED MANUFACTURERS, THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE THE LAYOUT AND CLEARANCE REQUIREMENTS IN ALL SPACES CONTAINING ELECTRICAL EQUIPMENT AND PROVIDE EQUIPMENT MEETING THE SPECIFICATIONS AND ACHIEVING CODE REQUIRED CLEARANCES WITHIN THE SPACE PROVIDED.

⑦ CONSTRUCTION KEY NOTES:

1. PROVIDE NEW MEDIUM VOLTAGE FUSED SWITCH ADJACENT TO EXISTING LINEUP. COORDINATE WORK WITH UTILITY.
2. PROVIDE SUB METERING PER MICHIGAN COMMERCIAL ENERGY CODE. LOAD CLASSIFICATION SHALL BE DESIGNATED AS FOLLOWS AND AS CALLED OUT ON THE ONE LINE DIAGRAM AND:
   a. TOTAL BUILDING ENERGY
   b. HVAC SYSTEMS
   c. INTERIOR LIGHTING
   d. EXTERIOR LIGHTING
   e. RECEPTACLE LOADS
3. PROVIDE 2-SECTION PANELBOARD. REFER TO PANEL SCHEDULES FOR ADDITIONAL INFORMATION.

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PBA Project No.: 2025.0327

PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

ONE LINE DIAGRAM - NEW WORK

ISSUE DATES

DATE:	ISSUED FOR:
02-26-2026	D.R. 2 - CONSTRUCTION DOCUMENTS
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DRAWN	DMN
CHECKED	STP
APPROVED	STP

PROJECT NO.
25026E

DRAWING NO.
E5.1

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PANELBOARD DP-FHM

#	LOAD TYPE	DESCRIPTION	CB TYPE	CB	A		B		C		CB	CB TYPE	DESCRIPTION	LOAD TYPE	#
1					2245	1108									2
3	E	EUH-1 - VEST 100		15			2245	1108			15		EUH-1 - JC 118	E	4
5									2245	1108					6
7					2245	1690									8
9	E	EUH-2 - VEST 100		15			2245	1690			15		EUH-2 - ELEC 121	E	10
11									2245	1690					12
13					8508	1690									14
15	E	EUH-3 - STAIR 116		45			8508	1690			15		EUH-3 - STORAGE 203	E	16
17									8508	1690					18
19					2245	10004									20
21	E	ECUH-4 - MENS 128		15			2245	10004			50		EUH-4 - STORAGE 123	E	22
23									2245	10004					24
25					8508	10004									26
27	E	EUH-5 - STAIR 111		45			8508	10004			50		EUH-5 - STORAGE 123	E	28
29									8508	10004					30
31					2245	1690									32
33	E	ECUH-6 - TOILET 134		15			2245	1690			15		EUH-6 - ELEC 207	E	34
35									2245	1690					36
37					5986	1690									38
39	C	DHW-1 - MECH 122		30			5986	1690			15		EUH-7 - INF.TECH 208	E	40
41									5986	1690					42
43					1662	1690									44
45	M	BP-1 - MECH 122		10			1662	1690			15		EUH-8 - JC 202	E	46
47									1662	1690					48
49					2933	0									50
51	M	TU-01 - MULTI-PURPOSE ROOM A115		15			2933	0			20	--	SPARE	--	52
53									2933	0					54
55					2800	0									56
57	M	TU-02 - MULTI-PURPOSE ROOM A114		15			2800	0			20	--	SPARE	--	58
59									2800	0					60
61					2900	0									62
63	M	TU-04 - STORAGE A110		15			2900	0			20	--	SPARE	--	64
65									2900	0					66
67					0	0									68
69	--	SPARE	--	20			0	0			20	--	SPARE	--	70
71									0	0					72
73					0	0									74
75	--	SPARE	--	20			0	0			20	--	SPARE	--	76
77									0	0					78
79					0	0									80
81	--	SPARE	--	20			0	0			20	--	SPARE	--	82
83									0	0					84
					71843		71843		71843						
					ØA		ØB		ØC						

PANELBOARD INFORMATION		BRANCH CIRCUIT CONNECTED LOAD		DEMAND FACTOR	CALCULATED LOAD		FEEDER AND OCPD SIZING	NOTES
VOLTAGE:	480Y/277V	CONTINUOUS LOAD (C):	17957	100%	17957	125%	22446.25	FEED THRU LUGS
BUS AMPACITY:	400A	ELECTRIC HEAT (E)	166686	100%	166686	100%	166686	PROVIDE 2-SECTION
MAIN TYPE:	MLO	NON-CONTINUOUS LOAD (NC):	0	100%	0	100%	0	PANELBOARD WITH QUANTITY
MINIMUM A.I.C.:	22,000	KITCHEN LOAD (K):	0		0	100%	0	OF POLE INDICATED
MOUNTING:	SURFACE	RECEPT BASE LOAD (R):	0	100%	0	100%	0	
		RECEPT DEMAND LOAD (R):	0	50%	0	100%	0	
		LIGHTING LOAD (L):	0	100%	0	125%	0	
		ADDITIONAL TRACK LIGHTING LOAD:				100%	0	
PANELBOARD LOCATION		MOTORS, HIGHEST LOAD (M):	8800	125 %	11000	100%	11000	
ELEC / MECH A107		MOTORS, REMAINING	22086	100 %	22086	100 %	22086	
		NOTE: DEMAND AND SIZING INFORMATION IS CALCULATED FROM CONNECTED LOAD		TOTAL (kVA):	217.73			
				TOTAL (AMPS):	261.89	TOTAL (AMPS):	267.29	

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PANELBOARD RP-FH1

#	LOAD TYPE	DESCRIPTION	CB TYPE	CB	A		B		C		CB	CB TYPE	DESCRIPTION	LOAD TYPE	#
1	M	EF-1 - STORAGE 123		15	384	384					15		EF-3 - JC 202	M	2
3	M	EF-2 - ELEC 121		15			384	900			20		RECEPTACLES - RM. A121, A123	R	4
5	M	EF-3 - MENS 128		15					528	900	20		RECEPTACLES - RM. A123, OUTDOOR	R	6
7	M	OVERHEAD DOOR - RM. A123		20	700	540					20		RECEPTACLES - RM. A124	R	8
9	M	OVERHEAD DOOR - RM. A123		20			700	540			20		RECEPTACLES - RM. A124	R	10
11	R	RECEPTACLES - RM. A127, A128		20					1080	180	20		RECEPTACLES - RM. A124	R	12
13	R	RECEPTACLES - LOBBY		20	540	900					20	GFCI	ICE MAKER - RM. A126	NC	14
15	R	RECEPTACLES - LOBBY		20			720	540			20		RECEPTACLES - RM. A126	R	16
17	R	RECEPTACLES - RM. A125, LOBBY		20					900	540	20		RECEPTACLES - RM. A126	R	18
19	R	CONTROLLED RECEPTACLES - RM...		20	360	500					20	GFCI	ELECTRIC WATER COOLER	NC	20
21	R	TURF BOX RECEPTACLES - RM. A120		20			360	720			20		RECEPTACLES - RM. A120, OUTDOOR	R	22
23	R	TURF BOX RECEPTACLES - RM. A120		20					360	540	20		RECEPTACLES - RM. A120, OUTDOOR	R	24
25	R	RECEPTACLE - RM. A118		20	180	540					20		RECEPTACLES - RM. A120, OUTDOOR	R	26
27	R	RECEPTACLE - RM. A202, A203		20			540	720			20		RECEPTACLE - RM. A204	R	28
29	M	DF-3		15					155	700	20		OVERHEAD DOOR - RM. A120	M	30
31	M	DF-4		15	155	0					20	GFCI	FUTURE HAND DRYER - RM. A127	NC	32
33	M	CP-1		15			100	0			20	GFCI	FUTURE HAND DRYER - RM. A127	NC	34
35	R	RECEPTACLES - ERU-1, ERU-2		20					360	0	20	GFCI	FUTURE HAND DRYER - RM. A128	NC	36
37	E	HEAT TRACE - ERU-1 THRU ERU-3		20	600	0					20	GFCI	FUTURE HAND DRYER - RM. A128	NC	38
39							718	700			20	LOD	FIRE ALARM CONTROL PANEL	C	40
41	R	BATTING CAGE - RM. A204		20					718	700	20		TWO-WAY COMMUNICATION PANEL	C	42
43	M	DIVIDER CURTAIN - RM. A120		20	1660	718					20		BATTING CAGE - RM. A204	R	44
45	M	DIVIDER CURTAIN - RM. A120		20			1660	718							46
47	M	DIVIDER CURTAIN - RM. A120		20					1660	200	20		MOTORIZED DOORS - A101	M	48
49	M	DIVIDER CURTAIN - RM. A120		20	1660	360					20		RECEPTACLES - RM. A205	R	50
51	M	DIVIDER CURTAIN - RM. A120		20			1660	360			20		RECEPTACLES - RM. A205	R	52
53	M	DIVIDER CURTAIN - RM. A120		20					1660	1300	20		ACU-1 & ACCU-1	M	54
55	M	DIVIDER CURTAIN - RM. A120		20	1660	1300									56
57							433	1000			20		TEMPERATURE CONTROLS	M	58
59	M	TU-03 - RM A126		15					433	0	20	--	SPARE	--	60
61					433	0					20	--	SPARE	--	62
63	--	SPARE	--	20			0	0			20	--	SPARE	--	64
65	--	SPARE	--	20					0	0	20	--	SPARE	--	66
67	--	SPARE	--	20	0	0					20	--	SPARE	--	68
69	--	SPARE	--	20			0	0			20	--	SPARE	--	70
71	--	SPARE	--	20					0	0	20	--	SPARE	--	72
73	--	SPARE	--	20	0	0					20	--	SPARE	--	74
75	--	SPARE	--	20			0	0			20	--	SPARE	--	76
77	--	SPARE	--	20					0	0	20	--	SPARE	--	78
79	--	SPARE	--	20	0	9603								Spare; L; R; M; NC	80
81	--	SPARE	--	20			0	11704			20	--	RP-FH2		82
83	--	SPARE	--	20					0	9070					84
					23176		25176		21984						
					ØA		ØB		ØC						

PANELBOARD INFORMATION		BRANCH CIRCUIT CONNECTED LOAD		DEMAND FACTOR	CALCULATED LOAD		FEEDER AND OCPD SIZING	NOTES
VOLTAGE:	208Y/120V	CONTINUOUS LOAD (C):	1400	100%	1400	125%	1750	PROVIDE 2-SECTION
BUS AMPACITY:	400A	ELECTRIC HEAT (E)	600	100%	600	100%	600	PANELBOARD WITH QUANTITY
MAIN TYPE:	400A MCB	NON-CONTINUOUS LOAD (NC):	1400	100%	1400	100%	1400	OF POLE INDICATED
MINIMUM A.I.C.:	10,000	KITCHEN LOAD (K):	0		0	100%	0	
MOUNTING:	SURFACE	RECEPT BASE LOAD (R):	10000	100%	10000	100%	10000	
		RECEPT DEMAND LOAD (R):	21105	50%	10552.5	100%	10552.5	
		LIGHTING LOAD (L):	255	100%	255	125%	318.75	
		ADDITIONAL TRACK LIGHTING LOAD:				100%	0	
PANELBOARD LOCATION		MOTORS, HIGHEST LOAD (M):	2600	125 %	3250	100%	3250	
ELEC / MECH A107		MOTORS, REMAINING	32976	100 %	32976	100 %	32976	
		NOTE: DEMAND AND SIZING INFORMATION IS CALCULATED FROM CONNECTED LOAD		TOTAL (kVA):	60.43			
				TOTAL (AMPS):	167.75	TOTAL (AMPS):	168.90	

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PANELBOARD RP-FH2

#	LOAD TYPE	DESCRIPTION	CB TYPE	CB	A		B		C		CB	CB TYPE	DESCRIPTION	LOAD TYPE	#
1	M	EF-4 - JC 118		15	384	180					20		RECEPTACLE - RM. A121	R	2
3	R	RECEPTACLES - RM. A130		20			720	720			20		RECEPTACLES - RM. A131	R	4
5	R	RECEPTACLES - RM. A130		20					540	540	20		RECEPTACLES - RM. A131	R	6
7	R	RECEPTACLES - RM. A129, OUTDOOR		20	720	540					20		RECEPTACLES - RM. A120, A134	R	8
9	R	RECEPTACLES - RM. A120, OUTDOOR		20			540	360			20		TURF BOX RECEPTACLES - RM. A120	R	10
11	R	RECEPTACLES - RM. A120, OUTDOOR		20					540	360	20		TURF BOX RECEPTACLES - RM. A120	R	12
13	R	RECEPTACLES - RM. A120		20	540	1176					20		ELEVATOR SUMP PUMP	M	14
15	R	RECEPTACLE - ELEVATOR PIT		20			180	1176			20		ELECTRICALLY OPERATED...	M	16
17	R	RECEPTACLE - RM. A207, A208		20					360	540	20		TV MONITORS - RM. A130, A131	R	18
19	M	DF-1		15	155	180					20		RECEPTACLE - ELEVATOR PIT	R	20
21	M	DF-2		15			155	720			20		RECEPTACLES - RM. A204	R	22
23	NC	FUTURE HAND DRYER - RM. A134	GFCI	20					0	0	20		ELEVATOR AUXILIARY POWER	NC	24
25	R	THROWING CAGE - RM. A120		20	718	0					20		ELEVATOR CAB LIGHTING	NC	26
27	R						718	1660			20		DIVIDER CURTAIN - RM. A120	M	28
29	M	DIVIDER CURTAIN - RM. A120		20					1660	1660	20		DIVIDER CURTAIN - RM. A120	M	30
31	M	DIVIDER CURTAIN - RM. A120		20	1660	1660					20		DIVIDER CURTAIN - RM. A120	M	32
33	M	DIVIDER CURTAIN - RM. A120		20			1660	1660			20		DIVIDER CURTAIN - RM. A120	M	34
35	R	BATTING CAGE - RM. A120		20					718	718	20		BATTING CAGE - RM. A120	R	36
37					718	718									38
39	R	BATTING CAGE - RM. A120		20			718	718			20		BATTING CAGE - RM. A120	R	40
41									718	718					42
43	L	MUSCO CONTROL & MONITORING...		20	255	0					20	--	SPARE	--	44
45	--	SPARE	--	20			0	0			20	--	SPARE	--	46
47	--	SPARE	--	20					0	0	20	--	SPARE	--	48
49	--	SPARE	--	20	0	0					20	--	SPARE	--	50
51	--	SPARE	--	20			0	0			20	--	SPARE	--	52
53	--	SPARE	--	20					0	0	20	--	SPARE	--	54
55	--	SPARE	--	20	0	0					20	--	SPARE	--	56
57	--	SPARE	--	20			0	0			20	--	SPARE	--	58
59	--	SPARE	--	20					0	0	20	--	SPARE	--	60
					9603		11704		9070						
					ØA		ØB		ØC						

PANELBOARD INFORMATION		BRANCH CIRCUIT CONNECTED LOAD		DEMAND FACTOR	CALCULATED LOAD		FEEDER AND OCPD SIZING	NOTES
VOLTAGE:	208Y/120V	CONTINUOUS LOAD (C):	0	100%	0	125%	0	
BUS AMPACITY:	200A	ELECTRIC HEAT (E)	0	100%	0	100%	0	
MAIN TYPE:	MLO	NON-CONTINUOUS LOAD (NC):	0	100%	0	100%	0	
MINIMUM A.I.C.:	10,000	KITCHEN LOAD (K):	0		0	100%	0	
MOUNTING:	SURFACE	RECEPT BASE LOAD (R):	10000	100%	10000	100%	10000	
		RECEPT DEMAND LOAD (R):	5455	50%	2727.5	100%	2727.5	
		LIGHTING LOAD (L):	255	100%	255	125%	318.75	
		ADDITIONAL TRACK LIGHTING LOAD:				100%	0	
PANELBOARD LOCATION		MOTORS, HIGHEST LOAD (M):	1660	125 %	2075	100%	2075	
		MOTORS, REMAINING	13006	100 %	13006	100 %	13006	
		NOTE: DEMAND AND SIZING INFORMATION IS CALCULATED FROM CONNECTED LOAD		TOTAL (kVA):	28.06			
				TOTAL (AMPS):	77.90	TOTAL (AMPS):	78.07	

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PANELBOARD LP-FH

#	LOAD TYPE	DESCRIPTION	CB TYPE	CB	A		B		C		CB	CB TYPE	DESCRIPTION	LOAD TYPE	#
1					4230	4230									2
3	L	MUSCO FIELD LIGHTS - NORTH END WEST		20			4230	4230			20		MUSCO FIELD LIGHTS - NORTH END EAST	L	4
5									4230	4230					6
7					3290	3290									8
9	L	MUSCO FIELD LIGHTS - SOUTH END WEST		20			3290	3290			20		MUSCO FIELD LIGHTS - SOUTH END EAST	L	10
11									3290	3290					12
13					2820	2820									14
15	L	MUSCO FIELD LIGHTS - SOUTH END BOTTOM		20			2820	2820			20		MUSCO FIELD LIGHTS - MEZZANINE	L	16
17									2820	2820					18
19	L	LTG - FIRST FLOOR WEST		20	2578	1055					20		SITE POLE LIGHTS	L	20
21	L	LTG - FIRST FLOOR EAST		20			1061								22
23	L	EXTERIOR BUILDING MOUNTED...		20					175						24
25	L	FUTURE SIGNAGE		20	0										26
27	--	SPARE	--	20			0	0			20	--	SPARE	--	28
29	--	SPARE	--	20					0	0	20	--	SPARE	--	30
31	--	SPARE	--	20	0	0					20	--	SPARE	--	32
33	--	SPARE	--	20			0	0			20	--	SPARE	--	34
35	--	SPARE	--	20					0	0	20	--	SPARE	--	36
37	Other; Spare; L	INVERTER		60	6462	0					20	--	SPARE	--	38
39							3020	0			20	--	SPARE	--	40
41									2820	0	20	--	SPARE	--	42
					30775		24761		23675						
					ØA		ØB		ØC						

PANELBOARD INFORMATION		BRANCH CIRCUIT CONNECTED LOAD		DEMAND FACTOR	CALCULATED LOAD		FEEDER AND OCPD SIZING	NOTES
VOLTAGE:	480Y/277V	CONTINUOUS LOAD (C):	0	100%	0	125%	0	
BUS AMPACITY:	200	ELECTRIC HEAT (E)	0	100%	0	100%	0	
MAIN TYPE:	MLO	NON-CONTINUOUS LOAD (NC):	0	100%	0	100%	0	
MINIMUM A.I.C.:	10,000	KITCHEN LOAD (K):	0		0	100%	0	
MOUNTING:	SURFACE	RECEPT BASE LOAD (R):	0	100%	0	100%	0	
		RECEPT DEMAND LOAD (R):	0	50%	0	100%	0	
		LIGHTING LOAD (L):	79210.7	100%	79210.7	125%	99013.37	
		ADDITIONAL TRACK LIGHTING LOAD:				100%	0	
PANELBOARD LOCATION		MOTORS, HIGHEST LOAD (M):	0	125 %	0	100%	0	
		MOTORS, REMAINING	0	100 %	0	100 %	0	
		NOTE: DEMAND AND SIZING INFORMATION IS CALCULATED FROM CONNECTED LOAD		TOTAL (kVA):	79.21			
				TOTAL (AMPS):	95.28	TOTAL (AMPS):	119.09	

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PANELBOARD INV

#	LOAD TYPE	DESCRIPTION	CB TYPE	CB	A		B		C		CB	CB TYPE	DESCRIPTION	LOAD TYPE	#
1					2820	3642					20		EM LTG - INTERIOR	L	2
3	L	MUSCO FIELD LIGHTS		20			2820	200			20		EM LTG- EXTERIOR	L	4
5									2820	0	20		MUSCO ALIC CABINET	Other	6
7	--	SPARE	--	20	0	0					20	--	SPARE	--	8
9	--	SPARE	--	20			0	0			20	--	SPARE	--	10
11	--	SPARE	--	20					0	0	20	--	SPARE	--	12
					6462		3020		2820						
					ØA		ØB		ØC						

PANELBOARD INFORMATION		BRANCH CIRCUIT CONNECTED LOAD		DEMAND FACTOR	CALCULATED LOAD		FEEDER AND OCPD SIZING	NOTES
VOLTAGE:	480Y/277V	CONTINUOUS LOAD (C):	0	100%	0	125%	0	
BUS AMPACITY:		ELECTRIC HEAT (E)	0	100%	0	100%	0	
MAIN TYPE:		NON-CONTINUOUS LOAD (NC):	0	100%	0	100%	0	
MINIMUM A.I.C.:		KITCHEN LOAD (K):	0		0	100%	0	
MOUNTING:		RECEPT BASE LOAD (R):	0	100%	0	100%	0	
		RECEPT DEMAND LOAD (R):	0	50%	0	100%	0	
		LIGHTING LOAD (L):	12301.9	100%	12301.9	125%	15377.38	
		ADDITIONAL TRACK LIGHTING LOAD:				100%	0	
PANELBOARD LOCATION		MOTORS, HIGHEST LOAD (M):	0	125 %	0	100%	0	
		MOTORS, REMAINING	0	100 %	0	100 %	0	
		NOTE: DEMAND AND SIZING INFORMATION IS CALCULATED FROM CONNECTED LOAD		TOTAL (kVA):	12.3			
				TOTAL (AMPS):	14.80	TOTAL (AMPS):	18.50	

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PBA Project No.: 2025.0327

PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

PANEL SCHEDULES

ISSUE DATES

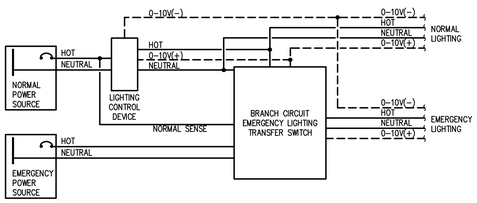
02-26-2026	D.R. 2 - CONSTRUCTION DOCUMENTS
02-12-2026	OWNER REVIEW
01-23-2026	90% CONSTRUCTION DOCUMENTS
12-19-2025	DESIGN DEVELOPMENT
DATE:	ISSUED FOR:

DRAWN	DMN
CHECKED	STP
APPROVED	STP

PROJECT NO.
25026E

DRAWING NO.
E5.2

Autodesk Docs://25026E_Dexter - New Field House/2025-0327_MEP_Dexter Fieldhouse_v25.rvt
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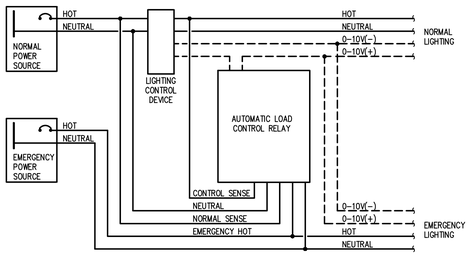


BRANCH CIRCUIT EMERGENCY LIGHTING TRANSFER SWITCH FOR 0-10V DIMMING

NO SCALE

NOTES:

1. BASIS OF DESIGN IS LVS CONTROLS EPC-D-F-ATS. REFER TO SPECIFICATIONS FOR APPROVED MANUFACTURERS. ADJUST WIRING AS NECESSARY FOR OTHER APPROVED MANUFACTURERS.
2. PROVIDE ONE BRANCH CIRCUIT EMERGENCY LIGHTING TRANSFER SWITCH PER LIGHTING CONTROL ZONE.

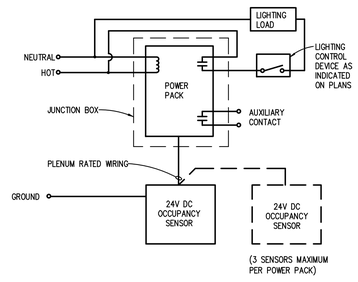


AUTOMATIC LOAD CONTROL RELAY FOR 0-10V DIMMING

NO SCALE

NOTES:

1. BASIS OF DESIGN IS LVS CONTROLS EPC-2-D. REFER TO SPECIFICATIONS FOR APPROVED MANUFACTURERS. ADJUST WIRING AS NECESSARY FOR OTHER APPROVED MANUFACTURERS.
2. PROVIDE ONE AUTOMATIC LOAD CONTROL RELAY PER LIGHTING CONTROL ZONE.

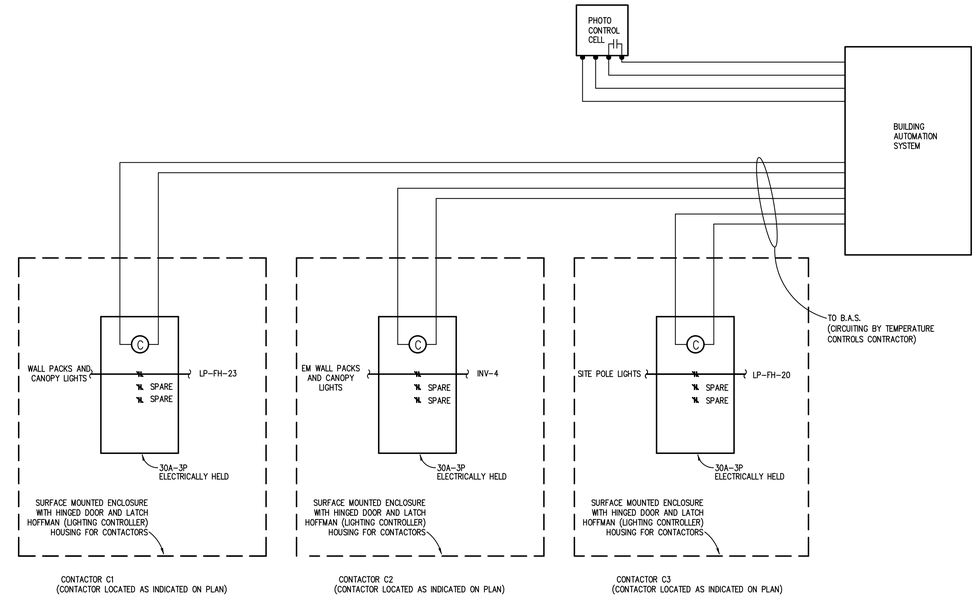


OCCUPANCY SENSOR WIRING DIAGRAM

NO SCALE

NOTES:

1. REFER TO SPECIFICATIONS FOR ACCEPTED MANUFACTURERS.
2. PROVIDE POWER PACKS AND SLAVE PACKS AS REQUIRED FOR SWITCHING AS INDICATED ON PLAN. REVISE DETAIL AS REQUIRED BY MANUFACTURER.
3. MOUNTING LOCATION PER MANUFACTURER'S RECOMMENDATION.
4. ADJUST SENSITIVITY LEVELS PER THE OWNER REQUIREMENTS.
5. PROVIDE FACTORY SUPPORT FOR AIMING/ADJUSTING OF SENSORS.
6. PLACE CEILING MOUNTED OCCUPANCY SENSORS IN CENTER OF A FULL CEILING TILE, WHERE APPLICABLE.
7. SENSOR ADJUSTMENT: BEFORE MAKING ADJUSTMENTS, MAKE SURE ROOM FURNITURE IS INSTALLED, LIGHTING CIRCUITS ARE TURNED ON, AND THE HVAC SYSTEMS ARE IN THE ON POSITION. VAV SYSTEMS SHOULD BE SET TO THEIR HIGHEST AIRFLOW. SET THE LOGIC CONFIGURATION DIP SWITCHES TO "EITHER". EITHER REQUIRES MOTION DETECTION BY ONLY ONE TECHNOLOGY. SET THE TIME DELAY PER OWNERS DIRECTION.

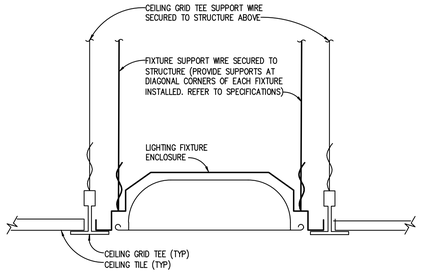


LIGHTING CONTROLLER DETAIL

NO SCALE

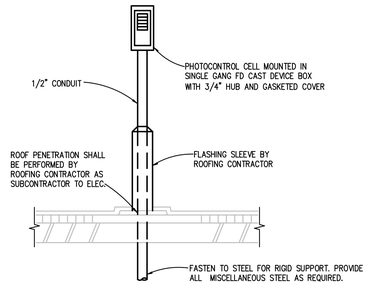
NOTES

1. PROGRAM B.A.S. SYSTEM TIME SCHEDULE PER THE OWNER'S DIRECTION
2. PHOTOCELL SHALL CONTROL EXTERIOR LIGHTING VIA THE B.A.S. SYSTEM CONTROLS.



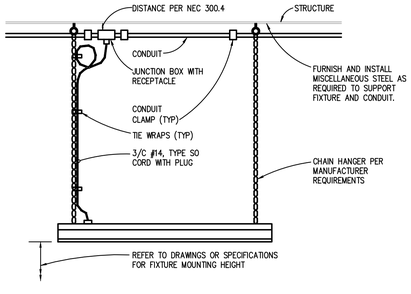
RECESSED LIGHTING FIXTURE INSTALLATION DETAIL

NO SCALE



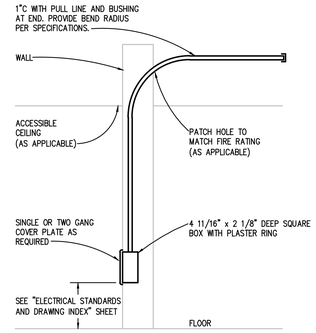
PHOTOCONTROL CELL MOUNTING DETAIL

NO SCALE



TYPICAL MOUNTING DETAIL FOR CHAIN HUNG LIGHTING FIXTURES

NO SCALE

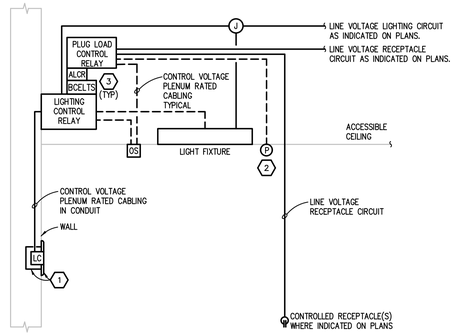


TELECOMMUNICATION OUTLET DETAIL

NO SCALE

NOTES:

1. IF CEILING IN ROOM IS NOT ACCESSIBLE, ROUTE CONDUIT TO NEAREST ACCESSIBLE CEILING IN DIRECTION OF AND WITH PATHWAY OR ACCESS TO TELECOMMUNICATION ROOM.



LIGHTING CONTROL SYSTEM DIAGRAM LOW VOLTAGE

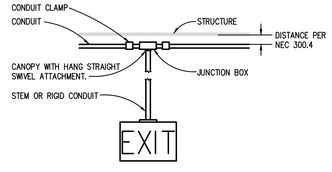
NO SCALE

GENERAL NOTES:

1. BASIS OF DESIGN IS ACUITY nLIGHT. REFER TO SPECIFICATIONS FOR APPROVED MANUFACTURERS. ADJUST WIRING AS NECESSARY FOR OTHER APPROVED MANUFACTURERS.
2. PROVIDE QUANTITY OF LIGHTING CONTROLLERS AS REQUIRED TO MEET FUNCTIONALITY INDICATED ON PLANS AND LIGHTING CONTROL SCHEDULE(S).
3. REFER TO MANUFACTURER'S SUBMITTAL FOR WIRING METHOD AND MATERIALS.
4. LOCATE SENSORS IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS TO ACHIEVE FULL COVERAGE OF SPACE. WHEN SENSORS ARE INSTALLED IN LAY-IN CEILINGS, LOCATE SENSORS IN CENTER OF CEILING TILE.
5. ADJUST OCCUPANCY SENSOR SENSITIVITY AFTER FURNITURE IS IN PLACE AND HVAC SYSTEMS HAVE BEEN BALANCED AND VAV UNITS SET TO MAXIMUM AIRFLOW.

KEYED NOTES-

1. GANG MULTIPLE LIGHTING CONTROL DEVICES IN COMMON BOX. PROVIDE ONE PIECE, MATCHING COVER PLATE BY THE LIGHTING CONTROL DEVICE MANUFACTURER.
2. CEILING MOUNTED PHOTOCELL (WHERE REQUIRED). REFER TO PLANS FOR PRIMARY AND SECONDARY ZONE CONTROL.
3. LOCATE LIGHTING CONTROL SYSTEM COMPONENTS IN ACCESSIBLE CEILING ADJACENT TO DOOR, DIRECTLY ABOVE LIGHTING CONTROL DEVICE. PROVIDE AN ACCESS PANEL IF CEILING SPACE IS NOT ACCESSIBLE.



EXIT SIGN PENDANT MOUNTING DETAIL

NO SCALE

NOTES:

1. STEM OR RIGID CONDUIT LENGTH TO BE COORDINATED TO ENSURE SIGNAGE IS READILY VISIBLE FROM ANY DIRECTION OF EGRESS TRAVEL. THE BOTTOM OF THE SIGNAGE SHALL NOT BE MORE THAN 6'-8" ABOVE THE TOP EDGE OF THE EGRESS OPENING INTENDED FOR DESIGNATION BY THE SIGNAGE (NFPA 101 7.10.1.9).
2. MOUNT EXIT SIGN PER MANUFACTURER'S RECOMMENDATIONS AT BOTTOM OF STEM/RIGID CONDUIT.

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PBA Project No.: 2025.0327

PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

ELECTRICAL DETAILS AND DIAGRAMS

ISSUE DATES

DATE:	ISSUED FOR:
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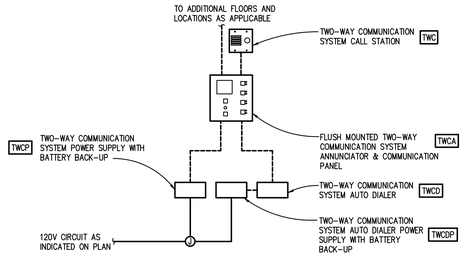
PROJECT NO.

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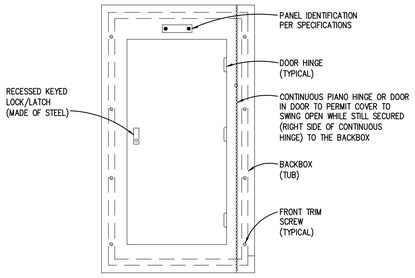
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AREA OF REFUGE (AREA OF RESCUE ASSISTANCE) EMERGENCY TWO-WAY COMMUNICATION SYSTEM DIAGRAM - BATTERY BACKUP

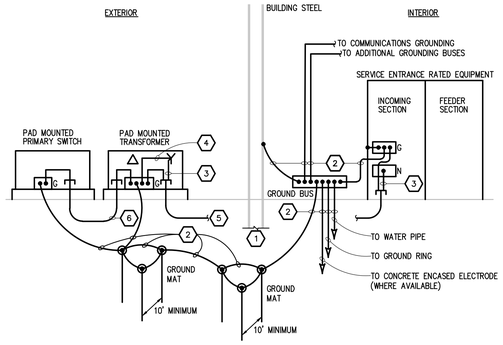
NO SCALE

NOTES:
1. REFER TO SPECIFICATIONS FOR SYSTEM REQUIREMENTS.
2. REFER TO PLANS FOR SYSTEM DEVICE LOCATIONS.



PANELBOARD FRONT COVER DETAIL

NO SCALE

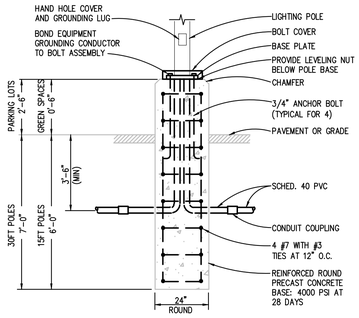


GROUNDING SYSTEM DIAGRAM PRIMARY SERVICE EXTERIOR SERVICE ENTRANCE EQUIPMENT

NO SCALE

(#) KEYED NOTES:

1. METAL IN-GROUND SUPPORT STRUCTURE IN DIRECT CONTACT WITH EARTH VERTICALLY FOR A MINIMUM OF 10FT, WHERE AVAILABLE.
2. GROUNDING ELECTRODE CONDUCTOR, #4/0 COPPER.
3. GROUNDED CONDUCTOR (NEUTRAL); SEE ONE LINE DIAGRAM.
4. SYSTEM BONDING JUMPER, PROVIDED BY MANUFACTURER AS PART OF LISTED EQUIPMENT PER NEC 250.30A AND 250.30C, SIZED PER NEC 250.28 AND 250.102.
5. PHASE CONDUCTORS, GROUNDED CONDUCTOR, AND SUPPLY SIDE BONDING JUMPER IN CONDUIT (3P,N,SSBJ). SEE ONE LINE DIAGRAM.
6. PRIMARY PHASE CONDUCTORS AND GROUND IN CONDUIT. SEE ONE LINE DIAGRAM.

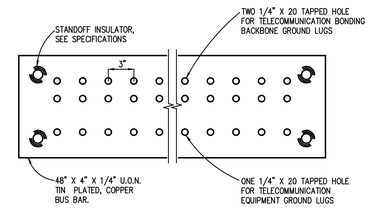


LIGHTING POLE BASE DETAIL

NO SCALE

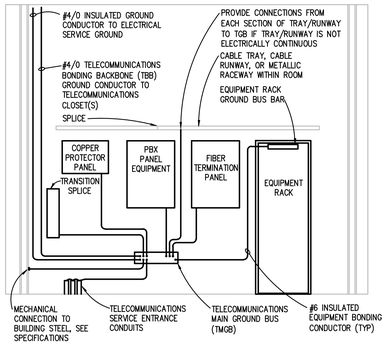
NOTE:

1. PROVIDE PRECAST CONCRETE BASE AS MANUFACTURED BY NORTHERN CONCRETE PIPE, INC. OR APPROVED EQUAL.
2. CONCRETE REINFORCEMENTS SHALL BE BARE, ZINC GALVANIZED, OR ELECTRICALLY CONDUCTIVE COATED STEEL. BOND ALL CONCRETE REINFORCEMENTS AND ANCHOR BOLTS TOGETHER SO THAT SYSTEM IS ELECTRICALLY CONTINUOUS.



TELECOMMUNICATIONS MAIN GROUND BUS (TMGB) DETAIL

NO SCALE

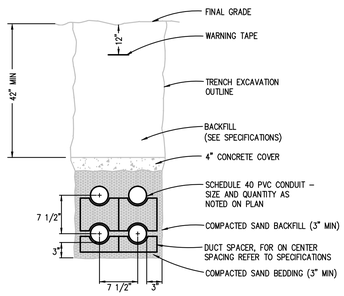


MAIN TELECOMMUNICATIONS ROOM GROUNDING DIAGRAM

NO SCALE

NOTES:

1. ALL GROUNDING SHALL COMPLY WITH NEC ARTICLE 250 AND TIA/EIA-607.
2. CONNECT ALL EQUIPMENT RACKS INCLUDING MAIN DISTRIBUTION FRAME (MDF) TO TMGB WITH A SEPARATE EQUIPMENT BONDING CONDUCTOR.

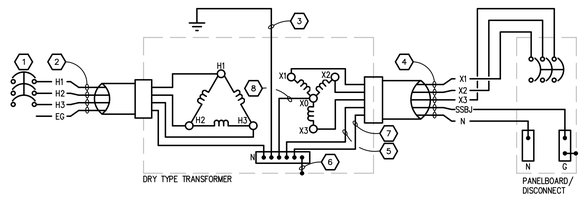


UNDERGROUND CONDUIT DETAIL

NO SCALE

NOTES:

1. QUANTITY AND CONFIGURATION OF DUCTS SHALL BE AS SHOWN ON PLAN DRAWINGS. 12" MINIMUM SEPARATION SHALL BE MAINTAINED BETWEEN ELECTRICAL AND COMMUNICATIONS DUCTS.

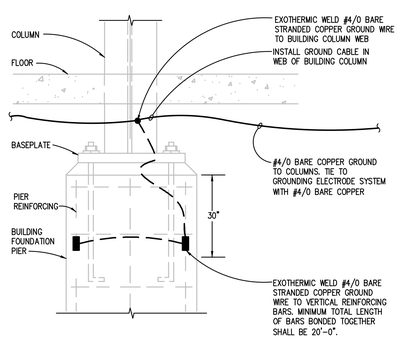


DRY TYPE DISTRIBUTION TRANSFORMER GROUNDING ARRANGEMENT

NO SCALE

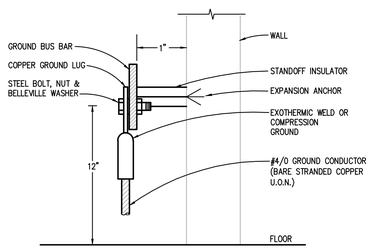
(#) KEYED NOTES:

1. 480V, 3Ø PRIMARY CIRCUIT BREAKER BASED ON DRY TYPE DISTRIBUTION TRANSFORMER CIRCUIT SIZING SCHEDULE ON ELECTRICAL STANDARD SCHEDULE DRAWING UNLESS OTHERWISE NOTED.
2. PRIMARY FEEDER BASED ON FEEDER AND BRANCH CIRCUIT SIZING TABLE ON ELECTRICAL STANDARD SCHEDULE DRAWING UNLESS OTHERWISE NOTED.
3. GROUNDING ELECTRODE CONDUCTOR TO NEAREST GROUNDING ELECTRODE (i.e. METAL IN GROUND SUPPORT STRUCTURE, METAL WATER PIPE, GROUND RING, OR GROUND BUS). SEE DRY TYPE DISTRIBUTION TRANSFORMER CIRCUIT SIZING SCHEDULE ON ELECTRICAL STANDARD SCHEDULE DRAWING FOR SIZE UNLESS OTHERWISE NOTED.
4. 208Y/120V, 3Ø, 4W SECONDARY FEEDER BASED ON DRY TYPE DISTRIBUTION TRANSFORMER CIRCUIT SIZING SCHEDULE ON ELECTRICAL STANDARD SCHEDULE DRAWING UNLESS OTHERWISE NOTED.
5. SUPPLY SIDE BONDING JUMPER.
6. SYSTEM BONDING JUMPER.
7. GROUNDED CONDUCTOR (NEUTRAL).
8. NEUTRAL CONDUCTOR PROVIDED WITH EQUIPMENT.



COLUMN GROUNDING DETAIL

NO SCALE



GROUND BUS DETAIL

NO SCALE

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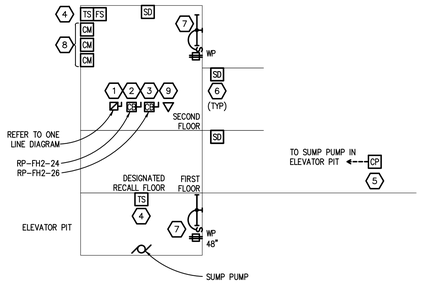
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ELEVATOR DETAIL - MACHINE ROOMLESS

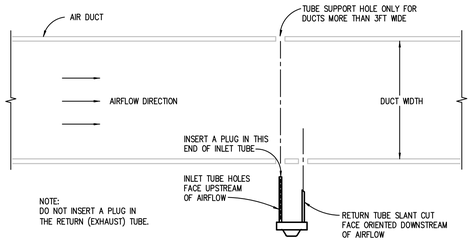
NO SCALE

GENERAL NOTES:

1. DETAIL SHOWS GENERAL EXTENT OF WORK AND SHOULD NOT BE CONSIDERED A FABRICATION DRAWING. REFER TO PLANS FOR LOCATIONS OF ROOMS, ELEVATOR SHAFT(S), ETC. COORDINATE REQUIREMENTS WITH ELEVATOR MANUFACTURER AND INSTALLER.
2. PIT LIGHTING SHALL BE IP66, WET LOCATION LISTED. PIT TO BE ILLUMINATED TO 10 FOOT-CANDLES AT FLOOR. (ASME A17.1 2010, 2.2.5.1, 2.8.2.3.4)
3. HOISTWAY MACHINE SPACE LIGHTING SHALL BE IP66, WET LOCATION LISTED AND BE ILLUMINATED TO 19 FOOTCANDLES. (ASME A17.1 2010, 2.7.5.1)
4. ELEVATOR HOISTWAY TO BE DEDICATED FOR ELEVATOR EQUIPMENT ONLY. (ASME A17.1 2010, SECTION 2.8)
5. ELEVATOR THRESHOLD LIGHTING TO BE 10 FOOT-CANDLES MINIMUM. (ASME A17.1 2010, 2.11.10.2)
6. HOISTWAY MACHINE SPACE AND ELEVATOR PIT LIGHTING AND RECEPTACLES SHALL BE SERVED FROM SEPARATE BRANCH CIRCUITS. HOISTWAY MACHINE SPACE LIGHTING AND RECEPTACLES MUST BE SERVED FROM SEPARATE BRANCH CIRCUITS. THE ELEVATOR PIT RECEPTACLES AND LIGHTING CAN BE SERVED FROM THE SAME CIRCUIT AS LONG AS THE LIGHTING IS CONNECTED TO THE LINE SIDE AHEAD OF THE GFCI DEVICE (NEC 620.23, 630.24).
7. ELEVATOR EMERGENCY PHONE MUST BE MONITORED 24 HOURS A DAY BY AUTHORIZED PERSONAL, HAVE THE ABILITY TO BE CALLED REMOTELY, AND STAY OPERATIONAL DURING EMERGENCY CONDITIONS (ASME A17.1 2010 2.27.1.1.1-2.27.1.1.5).
8. REFER TO NEW WORK PLANS FOR ALL CIRCUITING, LIGHTING FIXTURE TYPES, AND LIGHTING FIXTURE QUANTITIES.

KEYED NOTES:

1. DISCONNECT SWITCH OR ENCLOSED CIRCUIT BREAKER CAPABLE OF BEING LOCKED OFF FOR ELEVATOR CONTROLLER. GROUND CONDUCTOR TO BE SAME SIZE AS PHASE CONDUCTORS. COORDINATE EXACT MOUNTING LOCATION AND REQUIREMENTS WITH ELEVATOR CONTRACTOR.
2. PROVIDE 20A/1P ENCLOSED CIRCUIT BREAKER CAPABLE OF BEING LOCKED OFF FOR ELEVATOR CAB LIGHTING. COORDINATE EXACT MOUNTING LOCATION AND REQUIREMENTS WITH ELEVATOR CONTRACTOR.
3. PROVIDE 20A/1P ENCLOSED CIRCUIT BREAKER CAPABLE OF BEING LOCKED OFF FOR ELEVATOR AND AUXILIARY CONTROLS. COORDINATE EXACT MOUNTING LOCATION AND REQUIREMENTS WITH ELEVATOR CONTRACTOR.
4. PROVIDE FIRE ALARM SYSTEM COMPONENTS AS REQUIRED AND PROVIDE CONNECTIONS TO EACH TAMPER AND FLOW SWITCH PROVIDED WITH THE FIRE PROTECTION SYSTEM. COORDINATE EXACT LOCATIONS, QUANTITIES, AND REQUIREMENTS WITH FIRE SUPPRESSION CONTRACTOR.
5. PROVIDE REQUIRED CONDUIT, WIRING, AND CONNECTIONS BETWEEN SUMP PUMP CONTROL PANEL(S) AND SUMP PUMP(S). COORDINATE REQUIREMENTS WITH MECHANICAL TRADES AND SUMP PUMP MANUFACTURER.
6. THE LOBBY ELEVATOR SMOKE DETECTORS SHALL BE WITHIN 21' OF THE DOOR CENTERLINE. FOR LOBBIES WITH CEILINGS HIGHER THAN 15', THE SMOKE DETECTOR SHALL BE INSTALLED WITHIN 60" OF THE TOP OF THE ELEVATOR DOOR. (NFPA 72 2019 21.3.5)
7. COORDINATE GFCI RECEPTACLE, LIGHT SWITCH AND LIGHT FIXTURE PLACEMENT IN PIT/HOISTWAY WITH ELEVATOR MANUFACTURER DRAWINGS AND TRADES. LIGHT SWITCH TO BE LOCATED AT TOP OF LADDER. CIRCUIT GFCI RECEPTACLE AND LIGHT FIXTURE AS INDICATED ON PLAN.
8. FIRE ALARM CONTROL MODULES FOR ELEVATOR RECALL. REFER TO FIRE ALARM MATRIX FOR CONTROL MODULE FUNCTIONALITY. CONTROL MODULES TO BE LOCATED WITHIN 3' OF ELEVATOR CONTROLLER (NFPA 72 2019 21.2.4).
9. PROVIDE TELEPHONE LINE FOR ELEVATOR EMERGENCY PHONE. REFER TO SPECIFICATIONS FOR CABLE TYPE.
10. COORDINATE EXACT DESIGNATED AND ALTERNATE RECALL FLOOR WITH ARCHITECT AND ELEVATOR MANUFACTURER AND INSTALLER.



DUCT TYPE DETECTOR INSTALLATION

NO SCALE

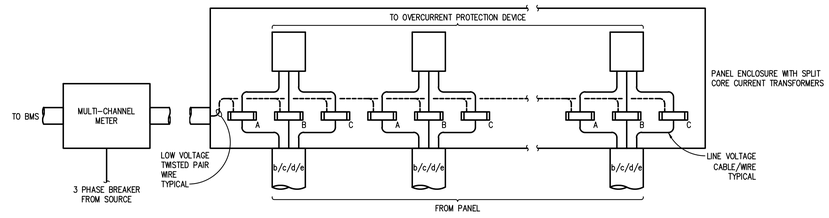
NOTES:

1. PROVIDE SAMPLING TUBE LENGTH AS REQUIRED FOR WIDTH OF DUCT.

		SYSTEM OUTPUTS																												
		ANNUNCIATION												NOTIFICATION						FIRE SAFETY										
		INITIATE FIRE ALARM SIGNAL	INITIATE CARBON MONOXIDE ALARM SIGNAL	IDENTIFY ALARM AT FACP	IDENTIFY ALARM AT REMOTE ANNUNCIATOR(S)	ANNUNCIATE SUPERVISORY SIGNAL AT FACP	ANNUNCIATE SUPERVISORY SIGNAL AT REMOTE ANNUNCIATOR(S)	ANNUNCIATE TROUBLE SIGNAL AT FACP	ANNUNCIATE TROUBLE SIGNAL AT REMOTE ANNUNCIATOR(S)	ACTUATE ALARM SEQUENCE ON EXISTING FACP	ACTIVATE ELEVATOR LOBBY "FLASH HAT" WARNING	ACTIVATE IN ELEVATOR IN-CAR WARNING SIGNAL	DISPLAY ELEVATOR RECALL STATUS AT ANNUNCIATOR	OPERATE ALARM NOTIFICATION APPLIANCES CONTINUOUSLY	ACTIVATE VOICE/ALARM COMMUNICATION SYSTEM	TRANSMIT ALARM SIGNAL TO REMOTE ALARM RECEIVING STATION	TRANSMIT SUPERVISORY SIGNAL TO REMOTE ALARM RECEIVING STATION	TRANSMIT TROUBLE SIGNAL TO REMOTE ALARM RECEIVING STATION	RECORD EVENTS IN THE SYSTEM MEMORY	RECORD EVENTS BY THE SYSTEM PRINTER	UNLOCK ELECTRIC DOOR LOCKS IN DESIGNATED EGRESS PATHS	DISABLE SOUND MASKING, PAGING, OR AUDIO SYSTEMS	RELEASE FIRE AND SMOKE DOORS	TURN ON EGRESS LIGHTING TO FULL BRIGHTNESS	DISABLE AUTOMATIC DOORS	SHUTDOWN ASSOCIATED AIR DISTRIBUTION SYSTEM	CLOSE ASSOCIATED SMOKE DAMPER	RECALL ELEVATOR TO DESIGNATED RECALL LEVEL	RECALL ELEVATOR TO ALTERNATE RECALL LEVEL	ILLUMINATE HOISTWAY LIGHTING
SYSTEM INPUTS	INITIATION																													
	MANUAL FIRE BOX OPERATION	●		●	●					●				●						●	●	●	●							
	AREA SMOKE DETECTION	●		●	●					●				●	●	●				●	●	●	●							
	HEAT DETECTOR OPERATION	●		●	●					●				●	●	●				●	●	●	●							
	PROJECTED BEAM DETECTOR OPERATION	●		●	●					●				●	●	●				●	●	●	●							
	CARBON MONOXIDE DETECTOR OPERATION		●							●				●	●	●				●	●	●	●							
	SMOKE DETECTOR OPERATION AT SMOKE DAMPER					●	●										●											●		
	SMOKE DETECTOR OPERATION AT/IN RETURN AND/OR SUPPLY DUCTWORK					●	●										●										●			
	SMOKE DETECTOR OPERATION AT/IN COMMON RETURN AIR RISER					●	●										●										●			
	SMOKE DETECTOR AT EGRESS DOORS																									●				
	FIRE SUPPRESSION SYSTEM WATER FLOW OPERATION	●		●	●					●				●	●	●				●	●	●	●							
	SMOKE DETECTION IN ELEVATOR LOBBY - DESIGNATED RECALL LEVEL	●		●	●					●			●	●	●	●				●	●	●	●						●	
	SMOKE DETECTION IN ELEVATOR LOBBY - ALL OTHER LEVELS	●		●	●					●			●	●	●	●				●	●	●	●					●		
	SMOKE OR HEAT DETECTION IN ELEVATOR HOISTWAY	●		●	●					●	●	●	●	●	●	●				●	●	●	●					●		
	FIRE SUPPRESSION SYSTEM WATER FLOW IN ELEVATOR HOISTWAY	●		●	●					●	●		●	●	●	●				●	●	●	●					●		
	SMOKE OR HEAT DETECTION IN ELEVATOR MACHINE ROOM	●		●	●					●	●	●	●	●	●	●				●	●	●	●					●		
	EXTERNAL SYSTEM INPUT																													
	FIRE SUPPRESSION SYSTEM VALVE TAMPER OPERATION					●	●										●		●	●										
	DRY-PIPE FIRE SUPPRESSION SYSTEM LOW AIR PRESSURE SWITCH ACTIVATION					●	●										●		●	●										
	PHASE II RECALL INITIATED BY ELEVATOR CONTROL SYSTEM																													●
	STATUS																													
	OPEN CIRCUIT							●	●										●	●	●									
	GROUND FAULT							●	●										●	●	●									
	NOTIFICATION APPLIANCE CIRCUIT SHORT							●	●										●	●	●									
	FACP AC POWER FAILURE							●	●										●	●	●									
	FACP LOW SYSTEM BATTERY							●	●										●	●	●									
	KNOX BOX OPEN					●	●										●		●	●										

FIRE ALARM MATRIX

NO SCALE

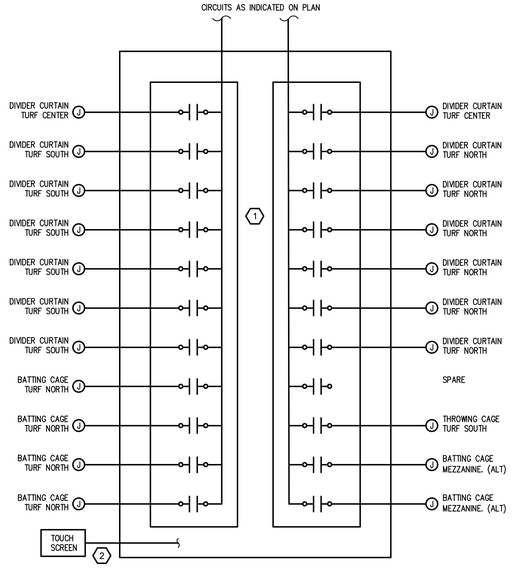


FEEDER ELECTRICAL METERING DIAGRAM - INSIDE PANEL

NO SCALE

NOTES:

1. PROVIDE SPLIT CORE CURRENT TRANSFORMERS FOR EACH CATEGORY OF USE FOR EACH PHASE:
   a. TOTAL ELECTRICAL ENERGY/DEMAND
   b. HVAC SYSTEMS
   c. INTERIOR LIGHTING
   d. EXTERIOR LIGHTING
   e. RECEPTACLE CIRCUITS
2. EXACT LOCATION/SIZE OF WIREWAY TO BE DETERMINED BASED ON FINAL CONDUIT ROUTING.
3. CURRENT TRANSFORMERS ARE PERMITTED TO BE IN THE PANEL ENCLOSURE IF SUFFICIENT SPACE EXISTS.



TURF & MEZZANINE EQUIPMENT RELAY/CONTROLLER DETAIL

NO SCALE

NOTES:

1. COORDINATE FINAL RELAY CONFIGURATION WITH OWNER.
2. PROVIDE 1" C FROM CONTROL PANEL TO TOUCH SCREEN LOCATION. PROVIDE CAT 6 COMMUNICATION WIRE FROM TOUCH SCREEN LOCATION TO RELAY/CONTROLLER.

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INTERIOR LIGHTING CONTROL SCHEDULE

LIGHTING CONTROL DESIGNATION	ROOM TYPE	SYSTEM CONFIGURATION				CONTROL		SENSOR TYPE	TURN ON LIGHTING TO %	BI-LEVEL CONTROL	DAYLIGHT			NO DETECTION PARTIAL OFF		NO DETECTION FULL OFF (MIN)	TIME-CLOCK SCHEDULE		RECEPTACLE CONTROL	EMERGENCY LIGHTING CIRCUIT CONTROL	HVAC CONTROL	NOTES
		TYPE		SWITCH	CONTROL STATION DESIGNATION	ON	OFF				SIDE LIGHT	TOP LIGHT	MAINTAIN FC LEVEL	REDUCE TO (%)	AT(MIN)		ON	OFF				
A	LOBBY (ALL OTHER LOBBIES)	WIRED	STANDALONE	ON-OFF	NA	MANUAL	SENSOR	DUAL TECHNOLOGY	FULL 100%	N/A	YES	N/A	MAINTAIN FC OUTSIDE DAYLIGHT ZONE	50	20	20			N/A	ALCR	YES	
B	CORRIDOR (ALL OTHER CORRIDORS)	WIRED	STANDALONE	ON-OFF	NA	SENSOR	SENSOR	DUAL TECHNOLOGY	FULL 100%	N/A	N/A	N/A	NA	50	20	20			N/A	ALCR	YES	
C	RESTROOM (ALL OTHER RESTROOMS)	WIRED	STANDALONE	ON-OFF	NA	SENSOR	SENSOR	ULTRASONIC	FULL 100%	N/A	N/A	N/A	NA	N/A	N/A	20			N/A	ALCR	YES	
D	CLASSROOM/LECTURE HALL/TRAINING ROOM (ALL OTHER CLASSROOMS/LECTURE HALLS/TRAINING ROOMS)	WIRED	STANDALONE	ON-OFF-DIM	NA	SENSOR	SENSOR	DUAL TECHNOLOGY	PARTIAL 50%	CONTINUOUS DIM	N/A	N/A	NA	N/A	N/A	20			OCCUPANCY SENSOR	ALCR	YES	
E	CONFERENCE/MEETING/MULTIPURPOSE ROOM	WIRED	STANDALONE	ON-OFF-DIM	NA	SENSOR	SENSOR	DUAL TECHNOLOGY	PARTIAL 50%	CONTINUOUS DIM	N/A	N/A	NA	N/A	N/A	20			OCCUPANCY SENSOR	ALCR	YES	
F	OFFICE (ENCLOSED AND ≤ 250 SQFT)	WIRED	STANDALONE	ON-OFF-DIM	NA	SENSOR	SENSOR	DUAL TECHNOLOGY	PARTIAL 50%	CONTINUOUS DIM	N/A	N/A	NA	N/A	N/A	20			OCCUPANCY SENSOR	ALCR	YES	
G	STORAGE ROOM (≥50 SQFT AND ≤ 1000 SQFT)	WIRED	STANDALONE	ON-OFF	NA	MANUAL	SENSOR	ULTRASONIC	FULL 100%	N/A	N/A	N/A	NA	N/A	N/A	20			N/A	ALCR	YES	
H	STORAGE ROOM (ALL OTHER STORAGE ROOMS)	WIRED	STANDALONE	ON-OFF	NA	MANUAL	SENSOR	ULTRASONIC	FULL 100%	N/A	N/A	N/A	NA	N/A	N/A	20			N/A	ALCR	YES	
I	ELECTRICAL/MECHANICAL ROOM	WIRED	STANDALONE	ON-OFF	NA	MANUAL	MANUAL	N/A	FULL 100%	N/A	N/A	N/A	NA	N/A	N/A	N/A			N/A	ALCR	YES	
J	STAIRWELL	WIRED	NETWORKED	ON-OFF (KEYED)	NA	SENSOR	SENSOR	ULTRASONIC	FULL 100%	CONTINUOUS DIM	N/A	N/A	NA	50	20	20			N/A	BCELTS	YES	
K	GYMNASIUM/FITNESS CENTER (IN A PLAYING AREA)	WIRED	NETWORKED	CONTROL STATION	CS1	TIME-CLOCK AND SENSOR	TIME-CLOCK AND SENSOR	PASSIVE INFRARED	FULL 100%	CONTINUOUS DIM	YES	N/A	MAINTAIN FC OUTSIDE DAYLIGHT ZONE	N/A	N/A	20	COORDINATE WITH OWNER	COORDINATE WITH OWNER	N/A	ALCR	YES	AUTO ON TO 50% VIA SENSOR

N/A = NOT APPLICABLE

NOTE:
1. REFER TO PLANS FOR LOCATION OF LOCAL CONTROL.
2. REFER TO PLANS FOR LIGHTING CONTROL ZONES.
3. REFER TO PLANS FOR PRIMARY AND SECONDARY DAYLIGHT ZONES.
4. PROVIDE EMERGENCY LIGHTING CIRCUIT CONTROL (BCELTS OR ALCR) PER SWITCHING CIRCUIT AS REQUIRED.
5. CONTRACTOR SHALL PROVIDE FLOOR PLAN INDICATING SENSOR AND EQUIPMENT LOCATIONS OF CHOSEN CONTROL SYSTEM.
6. REFER TO LUMINAIRE SCHEDULE FOR FIXTURE CHARACTERISTICS.
7. LIGHTING SENSOR SHALL HAVE CONTACT FOR HVAC CONTROL WHEN A "YES" SELECTION IS MADE IN THE HVAC CONTROL COLUMN.
8. REFER TO TEMPERATURE CONTROL DRAWINGS AND DIAGRAMS FOR ADDITIONAL SENSOR REQUIREMENTS.
9. PROVIDE WIRING CONTROL DIAGRAM FOR APPLICABLE CONTROL SYSTEM(S).

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EXTERIOR LIGHTING CONTROL SCHEDULE

LIGHTING CONTROL DESIGNATION	EXTERIOR LOCATION	SYSTEM CONFIGURATION		CONTROL		PHOTOCELL LOCATION	NO ACTIVITY PARTIAL OFF		NO DETECTION FULL OFF (MIN)	TIME-CLOCK / BMS SCHEDULE		EMERGENCY LIGHTING CIRCUIT CONTROL	NOTES
		TYPE		ON	OFF		REDUCE TO (%)	AT(MIN)		ON	OFF		
EA	ENTRY CANOPY	WIRED	WIRED	PHOTOCELL AND BMS	PHOTOCELL AND BMS	CENTRAL	N/A	N/A	N/A	COORDINATE WITH OWNER	COORDINATE WITH OWNER	ALCR	
EB	BUILDING ENTRANCE / EGRESS	WIRED	WIRED	PHOTOCELL AND BMS	PHOTOCELL AND BMS	CENTRAL	N/A	N/A	N/A	COORDINATE WITH OWNER	COORDINATE WITH OWNER	BCELTS	
EC	BUILDING FAÇADE	WIRED	WIRED	PHOTOCELL AND BMS	PHOTOCELL AND BMS	CENTRAL	N/A	N/A	N/A	COORDINATE WITH OWNER	COORDINATE WITH OWNER	ALCR	
ED	PARKING AREA	WIRED	WIRED	PHOTOCELL AND BMS	PHOTOCELL AND BMS	CENTRAL	50	20	40	COORDINATE WITH OWNER	COORDINATE WITH OWNER	N/A	

N/A = NOT APPLICABLE

NOTE:
1. PROVIDE EMERGENCY LIGHTING CIRCUIT CONTROL (BCELTS OR ALCR) PER SWITCHING CIRCUIT AS REQUIRED.
2. CONTRACTOR SHALL PROVIDE PLAN INDICATING SENSOR AND EQUIPMENT LOCATIONS OF CHOSEN CONTROL SYSTEM.
3. REFER TO LUMINAIRE SCHEDULE FOR FIXTURE CHARACTERISTICS.
4. PROVIDE WIRING CONTROL DIAGRAM FOR APPLICABLE CONTROL SYSTEM(S).

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CONTROL STATION SCENE SCHEDULE

TYPE		LOCATION	ZONE DESCRIPTION	PRESET BUTTONS						
				ALL ON	MEZZANINE	FIELD 100%	NORTH FIELD 50%	SOUTH FIELD 50%	RAISE/LOWER	OFF
CS1	BUTTON CONTROL	FIELD A120 & MEZZANINE A204	A-MEZZANINE	100%	100%	20%	20%	20%		OFF
			B-FIELD NORTH		20%	100%	50%	20%		
			C-FIELD SOUTH		20%	100%	20%	50%		

NOTE:
1. PERCENTAGES REPRESENT LIGHT OUTPUT, NOT RELATIVE DIMMING OF PRECEDING PRESET.
2. SET EXACT PERCENTAGES FOR EACH SCENE DURING INITIAL PROGRAMMING OF LIGHTING CONTROL SYSTEM.
3. LIGHTING LEVELS TO BE FIELD ADJUSTED BY ELECTRICAL ENGINEER WITH OWNER PRESENT.

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PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

LIGHTING CONTROL SCHEDULES AND DETAILS

ISSUE DATES

DATE:	ISSUED FOR:
02-26-2026	D.R. 2 - CONSTRUCTION DOCUMENTS
02-12-2026	OWNER REVIEW
01-23-2026	90% CONSTRUCTION DOCUMENTS
12-19-2025	DESIGN DEVELOPMENT

DRAWN	STP
CHECKED	DMN
APPROVED	DMN

PROJECT NO.
25026E

DRAWING NO.
E7.10

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LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER(S)	WATTAGE	VOLTAGE	LIGHT CHARACTERISTICS	REMARKS
L1	8' LINEAR SUSPENDED DIRECT LED FIXTURE: ALUMINUM HOUSING WITH DIE CAST ENDS AND POLYESTER FELT. 100% DOWN LIGHT, WIDESPREAD OPTIC, ADJUSTABLE AIR CRAFT CABLE MOUNTING, STRAIGHT POWER FEED CORD, 0-10 VOLT 10% DIMMING. FINISH BY ARCHITECT. FOR FIXTURES INDICATED AS EMERGENCY ON PLAN, PROVIDE AUTOMATIC LOAD CONTROL RELAY.	1.CORONET, LS3 LED SERIES 2.AXIS LIGHTING BEAM 2 SERIES 3.FOCAL POINT SEAM 2 SERIES	7.5 W/FT	MULTI	5000K, 90CRI, 800 LM/FT	
L2	2'X2' RECESSED FLAT PANEL LIGHT FIXTURE: ALUMINUM BEZEL, STEEL BACKING AND WHITE FROST ACRYLIC DIFFUSER. 0-10V 10% DIMMING. FOR FIXTURES INDICATED AS EMERGENCY ON PLAN, PROVIDE AUTOMATIC LOAD CONTROL RELAY	1.LITHONIA CPX SERIES 2. METALUX CGTX SERIES 3. COLUMBIA CBT SERIES	36.3	MULTI	5000K, 80CRI, 4000L	
L3	2X4' RECESSED LED FLAT PANEL LIGHT FIXTURE : ALUMINUM BEZEL, STEEL BACKING AND WHITE FROST ACRYLIC DIFFUSER.0-10V 10% DIMMING	1.LITHONIA CPX SERIES 2. METALUX CGTX SERIES 3. COLUMBIA CBT SERIES	36.7	MULTI	5000K, 80CRI, 4000L	
L4	2X4' LED RECESSED LIGHT TROFFER LIGHT FIXTURE: VANDAL RESISTANCE, DAMP LOCATION. ACRYLIC FROSTED LENS WITH 1/8" POLYCARBONATE CLEAR LENSE. FOR FIXTURES INDICATED AS EMERGENCY ON PLAN, PROVIDE AUTOMATIC LOAD CONTROL RELAY	1.LUMINAIRE LED VRP SERIES 2.FAILSAFE GRW//GRV SERIES 3.VRUI -CERTOLUS SERIES	30.8	MULTI	5000K,80CRI, 4000L	
L5	2X2' LED RECESSED TROFFER LIGHT FIXTURE: VANDAL RESISTANCE, DAMP LOCATION.ACRYLIC FROSTED LENS WITH 1/8" POLYCARBONATE CLEAR LENSE. FOR FIXTURES INDICATED AS EMERGENCY ON PLAN, PROVIDE BCELT BRANCH CIRCUIT EMERGENCY LIGHT TRANSFER SWITCH (BCELTS).	1.LUMINAIRE LED VRP SERIES 2.FAILSAFE GRW//GRV SERIES 3.VRUI -CERTOLUS SERIES	32.9	MULTI	5000K,80CRI, 4000L	
L6	4'-0" CHAIN HUNG LED STRIPLIGHT FIXTURE: MOUNTING AS DESIGNATED ON PLANS. WHITE COLOR, FROSTED LENS WITH WIREGUARD. LOCATE FIXTURES TO AVOID MECHANICAL EQUIPMENT. FOR FIXTURES INDICATED AS EMERGENCY ON PLAN, PROVIDE AUTOMATIC LOAD CONTROL RELAY	1. METALUX SNX LENSED SERIES 2. LITHONIA CLX SERIES 3. COLUMBIA LCL LED SERIES	31.8	MULTI	5000K,80CRI, 5000L	
L7	8' WALL MOUNTED VANDAL RESISTANT FIXTURE: EXTRUDED ALUMINUM SMOOTH WHITE FINISH. FLAT END CAPS ONE PIECE EXTRUDED UV STABILIZED POLYCARBONATE LENS WITH LIFETIME WARRANTY. 0-10V 10% DIMMING. TWO 4' FACTORY CONNECTED FOR FIXTURES INDICATED AS EMERGENCY ON PLAN, PROVIDE BCELT BRANCH CIRCUIT EMERGENCY LIGHT TRANSFER SWITCH (BCELTS).	1.KENALL MLHA8 SERIES 2. FAIL-SAFE HVL8 LED SERIES 3. NEWSTAR VICTORY NARROW SERIES	67W/4FT	MULTI	5000K, 80CRI, 6700L/4FT	
L8	4" ROUND RECESSED LED DOWNLIGHT RECESSED FIXTURE: WITH VENTILATED DIE CAST ALUMINUM HEAT SINK, SELF FLANGED WHITE TRIM RING WITH SEMI-SPECULAR REFLECTOR, DIFFUSED LENS, WIDE DISTRIBUTION. 0-10 VOLT 10% DIMMING.	1. GOTHAM IVO4" SERIES 2. MAXILUME HH4 LED SERIES 3.PORTFOLIO LD4C SERIES	5W	MULTI	5000K, 80CRI, 500L	
L9	4" ROUND RECESSED LED DOWNLIGHT RECESSED FIXTURE: WITH VENTILATED DIE CAST ALUMINUM HEAT SINK, SELF FLANGED WHITE TRIM RING WITH SEMI-SPECULAR REFLECTOR, DIFFUSED LENS, WIDE DISTRIBUTION. 0-10 VOLT 10% DIMMING.	1. GOTHAM IVO4" SERIES 2. MAXILUME HH4 LED SERIES 3.PORTFOLIO LD4C SERIES	15W	MULTI	5000K, 80CRI, 1500L	
L10	4" ROUND PENDANT LED DOWNLIGHT FIXTURE: WITH VENTILATED DIE CAST ALUMINUM HEAT SINK, PENDANT MOUNT, STANDARD CYLINDER, WALL WASH FUNCTION , WITH SEMI-SPECULAR REFLECTOR, LENSED WASH DISTRIBUTION. ADJUSTABLE CORD, 0-10 VOLT 10% DIMMING. COLOR AND FINISH BTY ARCHITECT	1. GOTHAM IVO4CYL SERIES 2. CORONET DROP WDE 4.0 DIRECT 3. PRESCOLITE LTC-4RDW SERIES	20W	MULTI	5000K, 80CRI, 2000L	
L11	4' LINEAR SURFACE MOUNTED LED FIXTURE: WALL MOUNTD IN ELEVATOR PIT, VAPOR TIGHT, RATED FOR WET LOCATION.	1.LITHONIA LIGHTING , CSVT SERIES 2.METALUX APVT SERIES 3.COLUMBIA CVT-LSCS SERIES	49	MULTI	5000K, 80CRI,6000L	
L12	(2)FIELD LIGHT ,LED SPORTS LIGHTING FIXTURE: HIGH-EFFICIENCY CHIP-ON-BOARD LED WIRED AND BONDED DIRECTLY TO CIRCUIT BOARD; SELF-SEALING OPTICAL ASSEMBLY; 0-10V DIM-TO-OFF MODE; INTEGRAL SURGE PROTECTION FOR DRIVERS; ALUMINUM CHASIS WITH ANODIZED HEAT SINK AND THERMALLY ISOLATED LED MODULES; ANODIZED LIGHT ENGINE PLATE AND HEAT SINKS; STAINLESS STEEL HARDWARE AND T-ARM FOR MOUNTING TO STRUCTURAL COLUMNS; DRIVER COMPONENTS FULLY ENCASED IN POTTING MATERIAL; ALUMINUM NEMA 3R REMOTE LED DRIVER CABINETS WITH STAINLESS STEEL HARDWARE. MANUFACTURER TO PROVIDE LAYOUT DRAWINGS WITH FIXTURE QUANTITIES TO MEET 50FC AVERAGE (NORMAL); 1FC MINIMUM AND 40FC MAX/MIN (EMERGENCY). FOR FIXTURES INDICATED AS EMERGENCY ON PLAN, PROVIDE DEDICATED REMOTE DRIVER CABINET. FINISH SHALL BE SELECTED BY ARCHITECT FROM MANUFACTURERS STANDARD COLORS.	MUSCO LIGHTING-TLC-ELD-1500 LUMINAIRE AND DRIVER	1410	480	5700K, 70 CRI,150000L	
L13	(2)FIELD LIGHT ,LED SPORTS LIGHTING FIXTURE: HIGH-EFFICIENCY CHIP-ON-BOARD LED WIRED AND BONDED DIRECTLY TO CIRCUIT BOARD; SELF-SEALING OPTICAL ASSEMBLY; 0-10V DIM-TO-OFF MODE; INTEGRAL SURGE PROTECTION FOR DRIVERS; ALUMINUM CHASIS WITH ANODIZED HEAT SINK AND THERMALLY ISOLATED LED MODULES; ANODIZED LIGHT ENGINE PLATE AND HEAT SINKS; STAINLESS STEEL HARDWARE AND T-ARM FOR MOUNTING TO STRUCTURAL COLUMNS; DRIVER COMPONENTS FULLY ENCASED IN POTTING MATERIAL; ALUMINUM NEMA 3R REMOTE LED DRIVER CABINETS WITH STAINLESS STEEL HARDWARE. MANUFACTURER TO PROVIDE LAYOUT DRAWINGS WITH FIXTURE QUANTITIES TO MEET 50FC AVERAGE (NORMAL); 1FC MINIMUM AND 40FC MAX/MIN (EMERGENCY). FOR FIXTURES INDICATED AS EMERGENCY ON PLAN, PROVIDE DEDICATED REMOTE DRIVER CABINET. FINISH SHALL BE SELECTED BY ARCHITECT FROM MANUFACTURERS STANDARD COLORS.	MUSCO LIGHTING-TLC-ELD-1200 LUMINAIRE AND DRIVER	1170	480	5700K, 70 CRI,120000L	

LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER(S)	WATTAGE	VOLTAGE	LIGHT CHARACTERISTICS	REMARKS
OL1	EXTERIOR LED ARCHITECTURAL WALL PACK LIGHT FIXTURE: DIE CAST ALUMINUM HOUSING WITH INTEGRATED HEAT SINKS FULLY GASKETED, IP66 RATING, P2 PACKAGE, VISUAL COMFORT DISTRIBUTION. DUAL SWITCHING OPTION. FOR FIXTURES INDICATED AS EMERGENCY ON PLAN PROVIDE BCELT BRANCH CIRCUIT EMERGENCY LIGHT TRANSFER SWITCH (BCELTS).	1.LITHONIA WDGE1 LED WALL SCONCE 2.RAYON "T631 LED" SERIES 3.PERFORMANCE IN LIGHTING "SHIELD+ 2" SERIES	15W	MULTI	5000K, 80CRI, 2000 L	
OL2	4" ROUND RECESSED LED VANDAL RESISTANT LED ROUND DOWNLIGHT: LED WITH VENTILATED DIE CAST ALUMINUM HEAT SINK, DIE CAST ALUMINUM BEZEL, TAMPER RESISTANT TORX SCREWS, FULLY SEALED AND GASKETED, SELF FLANGED WHITE TRIM RING WITH CLEAR POLYCARBONATE LENS, WIDE DISTRIBUTION. IP 65 RATED. UL LISTED FOR WET LOCATIONS. FOR FIXTURES INDICATED AS EMERGENCY ON PLAN, PROVIDE AUTOMATIC LOAD CONTROL RELAY.	1.GOTHAM , IVO VR SERIES 2.FAILSAFE FLD4C SERIES 3.MAXILUME HL4-IP-VR-LED SERIES	24.7W	MULTI	5000K 80CRI,2500L	
OL3	LED POLE MOUNTED SITE LIGHTING FIXTURE: POLE TOP CONFIGURATION AS SHOWN ON PLAN. TYPE (3) DISTRIBUTION. FULLY GASKETED ALUMINUM HOUSING WITH INTEGRAL WEATHER TIGHT ELECTRONIC LED DRIVER THAT IS U.L. LISTED FOR WET LOCATIONS. POLE SHALL HAVE APPROPRIATE MOUNTING BRACKETS WITH CONFIGURATION AS SHOWN ON PLAN, 30'-0" TALL (5") SQUARE ALUMINUM, STRAIGHT, POWDER COAT FINISH WITH SQUARE BOLT COVER AND HAND HOLE. COLOR SHALL MATCH FIXTURE. FINISH BY ARCHITECT	1. LITHONIA D SERIES SIZE 1 2.COOPER GALLEON 2 SERIES 3.NLS NV-1 SERIES	125	MULTI	5000K 80CRI, 16,345L	
OL4	LED POLE MOUNTED SITE LIGHTING FIXTURE: POLE TOP CONFIGURATION AS SHOWN ON PLAN. TYPE (5) DISTRIBUTION. FULLY GASKETED ALUMINUM HOUSING WITH INTEGRAL WEATHER TIGHT ELECTRONIC LED DRIVER THAT IS U.L. LISTED FOR WET LOCATIONS. POLE SHALL HAVE APPROPRIATE MOUNTING BRACKETS WITH CONFIGURATION AS SHOWN ON PLAN, 30'-0" TALL (5") SQUARE ALUMINUM, STRAIGHT, POWDER COAT FINISH WITH SQUARE BOLT COVER AND HAND HOLE. COLOR SHALL MATCH FIXTURE. FINISH BY ARCHITECT	1. LITHONIA D SERIES SIZE 1 2.COOPER GALLEON 2 SERIES 3.NLS NV-1 SERIES	68	MULTI	5000K 80CRI, 9,953L	
OL5	LED POLE MOUNTED SITE LIGHTING FIXTURE: POLE TOP CONFIGURATION AS SHOWN ON PLAN. TYPE (5) DISTRIBUTION. FULLY GASKETED ALUMINUM HOUSING WITH INTEGRAL WEATHER TIGHT ELECTRONIC LED DRIVER THAT IS U.L. LISTED FOR WET LOCATIONS. POLE SHALL HAVE APPROPRIATE MOUNTING BRACKETS WITH CONFIGURATION AS SHOWN ON PLAN, 12'-0" TALL (4") SQUARE ALUMINUM, STRAIGHT, POWDER COAT FINISH WITH SQUARE BOLT COVER AND HAND HOLE. COLOR SHALL MATCH FIXTURE. FINISH BY ARCHITECT	1. LITHONIA D SERIES SIZE 1 2.COOPER GALLEON 2 SERIES 3.NLS NV-1 SERIES	68	MULTI	5000K 80CRI, 10,562L	
OL6	LED POLE MOUNTED SITE LIGHTING FIXTURE: POLE TOP CONFIGURATION AS SHOWN ON PLAN. TYPE (4) DISTRIBUTION. FULLY GASKETED ALUMINUM HOUSING WITH INTEGRAL WEATHER TIGHT ELECTRONIC LED DRIVER THAT IS U.L. LISTED FOR WET LOCATIONS. POLE SHALL HAVE APPROPRIATE MOUNTING BRACKETS WITH CONFIGURATION AS SHOWN ON PLAN, 12'-0" TALL (4") SQUARE ALUMINUM, STRAIGHT, POWDER COAT FINISH WITH SQUARE BOLT COVER AND HAND HOLE. COLOR SHALL MATCH FIXTURE. FINISH BY ARCHITECT	1. LITHONIA D SERIES SIZE 1 2.COOPER GALLEON 2 SERIES 3.NLS NV-1 SERIES	68	MULTI	5000K 80CRI, 9,187L	
EBU	LED EMERGENCY LIGHT: IMPACT RESISTANT THERMOPLASTIC HOUSING , SELF CONTAINED SEALED, MAINTANANCE FREE BATTERY WITH 90 MINS BACKUP AND INTEGRAL TEST SWITCH.	1. LITHONIA EU2C SERIES 2.ISOLITE BUG SERIES 3.DUAL- LITE EVHC SERIES	1.8	MULTI	(2)LED HEADS	
X	LED EXIT LIGHT: QUANTUM LED THERMOPLASTIC SIGN ALUMINUM HOUSING, HIGH OUTPUT LED DIFFUSE LIGHT PANEL, SINGLE STENCIL BRUSHED ALUMINUM FACE WITH RED LETTERS, PROVIDE DOUBLE FACED WHERE INDICATED ON PLAN. REFER TO PLANS FOR MOUNTING TYPES AND DIRECTIONAL ARROWS.	1.EVENLITE TELESIS TLX SERIES 2.COMPASS CE SERIES 3.SURE LITES-LPX SERIES	5	MULTI	HIGH OUTPUT LED LIGHT PANEL	

GENERAL NOTES:

1. REFER TO ARCHITECTUREAL FOR CEILING TYPES.
2. WATTAGE LISTED IS FROM THE BASIS OF DESIGN MANUFACTURER.
3. FINISH TO BE APPROVED BY INTERIOR DESIGNER, ARCHITECT OR CLIENT.
4. ALL LUMINAIRES TO BE AS SPECIFIED OR EQUAL APPROVED BY PBA AND/OR ILLUMINART PRIOR TO BIDS.

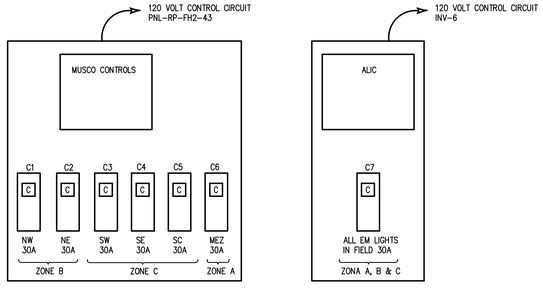
CONTACTOR SCHEDULE

POLE	CIRCUIT	CONTACTOR SIZE	CONTACTOR ID
FIELD -NW	20A-3P CIRCUIT BREAKER	30A	C1
FIELD -NE	20A-3P CIRCUIT BREAKER	30A	C2
FIELD -SW	20A-3P CIRCUIT BREAKER	30A	C3
FIELD -SE	20A-3P CIRCUIT BREAKER	30A	C4
FIELD -SC	20A-3P CIRCUIT BREAKER	30A	C5
FIELD -MEZ	20A-3P CIRCUIT BREAKER	30A	C6
FIELD -EM	20A-3P CIRCUIT BREAKER	30A	C7

FIELDHOUSE LIGHTING CONTROLLER DETAIL

NO SCALE

NOTE: PROVIDE MUSCO "CONTROL LINK" WIRELESS REMOTE CONTROLS AND MUSCO'S 25 YEAR WARRANTY AND MAINTENANCE PROGRAM.



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PBA Project No.: 2025.0327

PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

LUMINAIRE SCHEDULES AND DETAILS

ISSUE DATES

DATE:	ISSUED FOR:
02-26-2026	D.R. 2 - CONSTRUCTION DOCUMENTS
02-12-2026	OWNER REVIEW
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12-19-2025	DESIGN DEVELOPMENT

DRAWN	STP
CHECKED	DMN
APPROVED	DMN

PROJECT NO.

25026E

DRAWING NO.

E7.11

g:\2025\2025-0327-00\CAD\2025-0327-E7-SH.dwg, E7.11, 2/26/2026 10:20:17 AM, Tonya L. Cavanaugh, None .0,09448, Peter Basso Associates Inc.

COMMUNICATION SYMBOL LEGEND

SYMBOL	DESCRIPTION
(1)	THIS SYMBOL WITH A NUMBER INSIDE REFERS TO KEYNOTES. REFER TO NOTES ON THE SHEET OR WITHIN THE DETAIL FOR ADDITIONAL INFORMATION
A	EQUIPMENT SCHEDULE. THIS SYMBOL WITH LETTERS INSIDE REFERS EQUIPMENT SCHEDULES, SEE DETAILS AND EQUIPMENT SCHEDULES ON TC101, TC301, TC501 AND TC701.
1	CABLE SCHEDULE. THIS SYMBOL WITH NUMBERS INSIDE REFERS EQUIPMENT SCHEDULES, SEE DETAILS AND EQUIPMENT SCHEDULES ON TC101, TC301, TC501 AND TC701.
XXXX	DATA COMMUNICATIONS OUTLET CONNECTIVITY CODE. X IS A 1 THRU 99. SEE TC1XX SHEETS FOR SPECIFIC REQUIREMENTS. XXXX NOTES THAT THE CABLE IS FOR A SPECIFIC USE
12:08	SINGLE SIDED DIGITAL CLOCK. SEE CONNECTIVITY CODE FOR CLOCK TYPE. MAY BE LARGE CLOCKS WITH 4" TALL DIGITS AND 6 DIGITS TO INCLUDE SECONDS. SEE DRAWINGS

ABBREVIATIONS

ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION
2G	TWO-GANG BOX - PROVIDED BY EC	NIC	NOT IN CONTRACT
AC	ABOVE COUNTER - INSTALL BACKBOX SAME HEIGHT AS OTHER ELECTRICAL OUTLETS ABOVE THE COUNTER.	PBO	PROVIDED BY OTHERS
AFF	ABOVE FINISHED FLOOR	PCO-1	PATCH CORD ORGANIZER - 1 UNIT HIGH
AFG	ABOVE FINISHED GROUND	PCO-2	PATCH CORD ORGANIZER - 2 UNITS HIGH
AWG	AMERICAN WIRE GAUGE	PET	PROTECTED ENTRANCE TERMINAL
EMT	EMT TYPE CONDUIT	QTY	QUANTITY
EC	ELECTRICAL CONTRACTOR		

COMMUNICATION EQUIPMENT SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	PART NO.
A	4-POST ADJUSTABLE RACK. TAPPED SCREW HOLES. EQUIP WITH TWO 6" VERTICAL ORGANIZERS. SHALL HAVE STANDARD SCREW HOLES FOR MOUNTING 19" RACK COMPONENTS. EQUIP WITH CABLE LADDER AS PER SPECS AND DETAILS.	ORTRONICS	19-84-T4SDA2132
B	POWER STRIP, VERTICAL, FOR BACK OF EACH RACK. SHALL HAVE (14) NEMA 5-15/20R RECEPTACLES. PLUG INTO WALL OUTLET. SHALL HAVE L5-20P PLUG AND 15' CORD.ATTACH TO THE RACK OR VERTICAL CABLE LADDER OF EACH RACK.	EATON	PDUMV20-36
C	VERTICAL ORGANIZER, 6" WIDE, MOUNT TO SIDE OF RACKS AND IN BETWEEN RACKS WHEN THERE ARE MULTIPLE RACKS IN A ROW	RXL	3326-BK06
D	TELECOMMUNICATIONS GROUND BAR (TGB). 1/4"x4"x10" EQUIPPED WITH INSULATED STAND-OFFS.	HUBBELL	HBBB14210A
E	SINGLE RACK UNIT PATCH CORD ORGANIZER (PCO-1) WITH HINGED COVER.	HUBBELL	HS13C
F	PATCH PANEL-24 PORT, EQUIPPED WITH 8-PIN MODULAR JACKS TO MATCH THE CABLE COLOR AND CABLE TYPE BEING TERMINATED. PROVIDE ONE MODULAR JACK FOR EACH CABLE BEING TERMINATED. SEE SPEC AND DRAWINGS FOR COLORS. EQUIP WITH REAR CABLE ORGANIZER	HUBBELL	PANEL:HPJ24 ORGANIZER:ECMBR3
G	RACK MOUNT FIBER PANEL. USE WHEN TERMINATING 24 OR LESS FIBER STRANDS. PROVIDE EACH FIBER PANEL WITH "SC" SIX OR 12 PACKS AS REQUIRED FOR TERMINATION OF ALL FIBERS. PROVIDE SPLICE TRAY AND SHELF FOR FUSION SPLICES TO PIGTAILS.	HUBBELL	FPR3SP
H	FIBER OPTIC CABLE STOWAGE RING. WALL MOUNTED. 12" OR 24". PROVIDE AND INSTALL TO SUPPORT BEND RADIUS REQUIREMENTS OF THE FIBER CABLE'	LEVITON	12" #48900-IFR / 24" #48900-OFR
J	RACK MOUNT SHELF. MESH BASE WITH 14" DEPTH MINIMUM	MIDDLE ATLANTIC	UFA-14.5

CABLE SCHEDULE

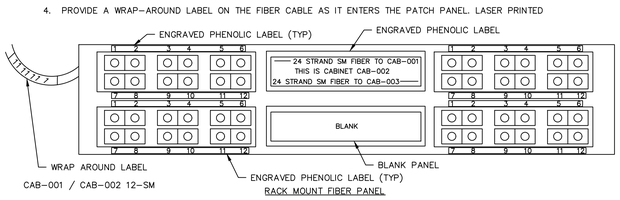
MARK	DESCRIPTION	MANUFACTURER	PART NO.
1	CAT-6 UTP CABLES FOR DATA COMMUNICATIONS SHALL BE BLUE IN COLOR	MOHAWK	M58281
2	CAT-6 UTP CABLES FOR SECURITY CAMERAS SHALL BE GREEN IN COLOR	MOHAWK	M58286
3	CAT-6A UTP CABLES FOR WIRELESS ACCESS POINTS SHALL BE YELLOW IN COLOR	MOHAWK	M59148
4	LONG-DISTANCE UTP CABLE. PLENUM RATED	PAIGE	SEE SPECS
5	CAT-6 UTP CABLES FOR CLOCK/PAGING CONNECTIVITY SHALL BE BROWN IN COLOR	MOHAWK	M58756
6	24 STRAND SINGLEMODE, INDOOR/OUTDOOR FIBER CABLE, PLENUM RATED	OCC	DZ024TSLA9YP

IP CLOCK EQUIPMENT SCHEDULE

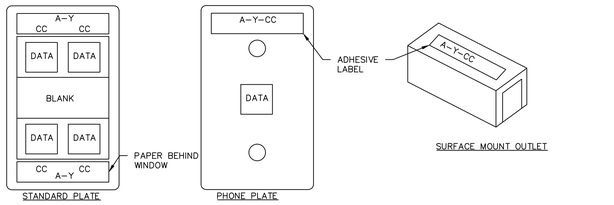
MARK	DESCRIPTION	MANUFACTURER	PART NO.
TA	DIGITAL CLOCK, 2.5" RED DIGITS, WALL MOUNT.	SAPLING	SBP-31S-254-0G
TB	DIGITAL, "LARGE CLOCK", 4" RED DIGITS, 6 DIGITS WITH SECONDS WALL MOUNT.	SAPLING	SBP-31S-406-0G

NOTES

1. THE FIBER PANELS AT THE RACK AND AT THE EXTERIOR CABINETS SHALL BE LABELED TO IDENTIFY THE FIBER.
2. LABELS IDENTIFYING THE FIBER CABLES SHALL BE ENGRAVED LABELS WITH BLACK BACKGROUND AND WHITE LETTERS.
3. SIZE THE LABELS TO MATCH THE SIZE OF THE PANEL. PROVIDE A SAMPLE TO THE OWNER AND ENGINEER PRIOR TO PURCHASING.
4. PROVIDE A WRAP-AROUND LABEL ON THE FIBER CABLE AS IT ENTERS THE PATCH PANEL. LASER PRINTED



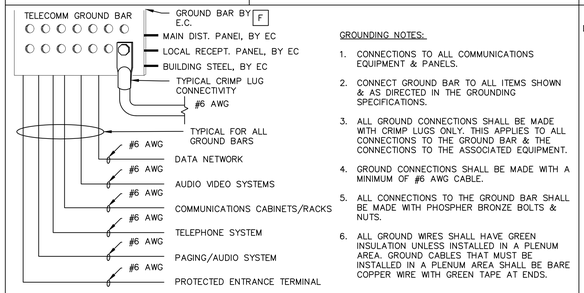
4 TC103 FIBER OPTIC PANEL LABELING DETAIL — NOT TO SCALE



NOTES:
1. INSTALL A PAPER LABEL BEHIND THE PLASTIC WINDOW IN STANDARD PLATES THAT ARE EQUIPPED WITH THE WINDOWS.
2. PROVIDE ADHESIVE LABELS ON WALL PHONE PLATES & SURFACE MOUNT OUTLETS & PLATES WITHOUT LABELING WINDOWS.

DATA CABLE LABEL:
A = COMMUNICATIONS ROOM, A, B, ETC.
Y = PATCH PANEL IN THAT RACK OR CABINET 1-X
CC = PORT ON THAT PANEL FROM 01-24

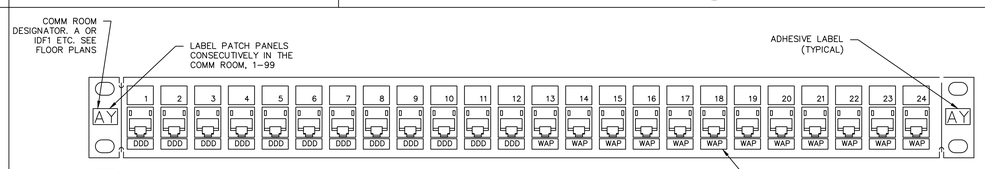
1 TC101 TYPICAL FACEPLATE LABELING



GROUNDING NOTES:

1. CONNECTIONS TO ALL COMMUNICATIONS EQUIPMENT & PANELS.
2. CONNECT GROUND BAR TO ALL ITEMS SHOWN & AS DIRECTED IN THE GROUNDING SPECIFICATIONS.
3. ALL GROUND CONNECTIONS SHALL BE MADE WITH CRIMP LUGS ONLY. THIS APPLIES TO ALL CONNECTIONS TO THE GROUND BAR & THE CONNECTIONS TO THE ASSOCIATED EQUIPMENT.
4. GROUND CONNECTIONS SHALL BE MADE WITH A MINIMUM OF #6 AWG CABLE.
5. ALL CONNECTIONS TO THE GROUND BAR SHALL BE MADE WITH PHOSPHER BRONZE BOLTS & NUTS.
6. ALL GROUND WIRES SHALL HAVE GREEN INSULATION UNLESS INSTALLED IN A PLENUM AREA. GROUND CABLES THAT MUST BE INSTALLED IN A PLENUM AREA SHALL BE BARE COPPER WIRE WITH GREEN TAPE AT ENDS.

7 TC101 COMMUNICATIONS GROUNDING DETAIL



NOTES:
1. INSTALL A LABEL TO EACH PATCH PANEL DETAILING THE COMM ROOM NUMBER AND PATCH PANEL NUMBER. EACH PANEL IS PRE-NUMBERED 01-24 ON EACH PANEL.
2. ALL LABELS ADDED TO THE PANEL SHALL BE LASER PRINTED AND CUT TO FIT. ALL NUMBERS SHALL EXACTLY ALIGN WITH THE LOCATION ON THE PATCH PANEL.
3. IF THE PANEL IS NOT PRE-LABELED 01-24 THEN THE CONTRACTOR SHALL INSTALL A LABEL FOR EACH PORT.
4. THE CABLES SHALL BE TERMINATED ON THE PATCH PANEL IN NUMERICAL ORDER. NO EXCEPTIONS.
5. ADD LABELS FOR CAMERA NUMBERS OR WAP NUMBERS DEPENDING UPON PATCH PANEL. SEE RACK LAYOUTS TO DETERMINE IF CAMERA AND WAP CABLES WILL BE ON SEPARATE OR SHARED PATCHPANELS

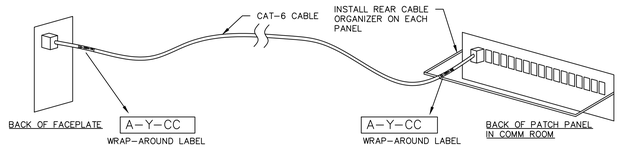
DATA CABLE LABELING A-Y-CC

A = COMMUNICATIONS ROOM NUMBER. A, B OR C ETC.
Y = PATCH PANEL IN THAT COMMUNICATIONS ROOM
CC = PORT NUMBER ON PATCH PANEL 1-24.

DDD = CAMERA NUMBER. MEET WITH OWNER AND SECURITY CONTRACTOR TO OBTAIN THIS NUMBER

WAP = WAP NUMBER. MEET WITH OWNER TO OBTAIN THIS NUMBER

5 TC101 CAMERA OR WIRELESS PANEL LABELING

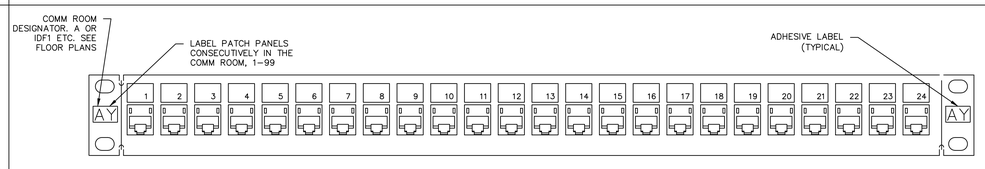


NOTES:
1. INSTALL A WRAP-AROUND LABEL AT EACH END OF EACH CABLE.
2. WRAP-AROUND LABELS SHALL BE LASER-PRINTED AND SHALL BE SELF-LAMINATING.

CABLE LABEL:

A = COMMUNICATIONS ROOM NUMBER. A, B OR C ETC.
Y = PATCH PANEL IN THAT COMMUNICATIONS ROOM
CC = PORT NUMBER ON PATCH PANEL 0-24.
DDD = CAMERA OR WAP NUMBER

2 TC101 TYPICAL CABLE LABELING AT FACEPLATE & PATCH PANEL

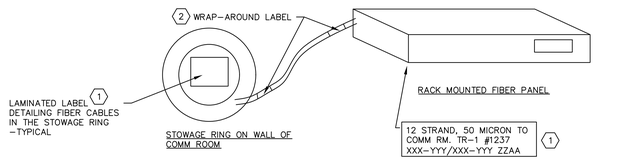


NOTES:
1. INSTALL A LABEL TO EACH PATCH PANEL DETAILING THE COMM ROOM NUMBER AND PATCH PANEL NUMBER. EACH PANEL IS PRE-NUMBERED 01-24 ON EACH PANEL.
2. ALL LABELS ADDED TO THE PANEL SHALL BE LASER PRINTED AND CUT TO FIT. ALL NUMBERS SHALL EXACTLY ALIGN WITH THE LOCATION ON THE PATCH PANEL.
3. IF THE PANEL IS NOT PRE-LABELED 01-24 THEN THE CONTRACTOR SHALL INSTALL A LABEL FOR EACH PORT.
4. INDIVIDUAL CABLES AT A SINGLE FACEPLATE SHALL BE LABELED IN SEQUENCE AS PER THE PATCH PANEL.
5. THE CABLES SHALL BE TERMINATED ON THE PATCH PANEL IN NUMERICAL ORDER. NO EXCEPTIONS.

DATA CABLE LABELING A-Y-CC

A = COMMUNICATIONS ROOM NUMBER. A, B OR C ETC.
Y = PATCH PANEL IN THAT COMMUNICATIONS ROOM
CC = PORT NUMBER ON PATCH PANEL 0-24.

6 TC101 CAT-6 DATA PANEL LABELING



KEYED NOTES:
(1) PROVIDE ADHESIVE LABEL ON FRONT OF EACH FIBER PANEL FOR LABELING THE FIBER CABLES
(2) INSTALL SELF-LAMINATING, WRAP-AROUND LABELS AT FIBER PANEL AND STOWAGE RING.

XXX-YYY/XXX-YYY ZZAA
WRAP-AROUND LABEL
XXX = CABINET OR BUILDING. CAB/ADM IN EXAMPLE
YYY = CABINET NUMBER OR BUILDING ROOM #
ZZ = FIBER STRAND COUNT
AA = MULTIMODE MM OR SINGLEMODE SM

3 TC101 FIBER OPTIC CABLE LABELING

TMP ARCHITECTURE

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PROJECT TITLE

NEW FIELD HOUSE

Dexter Community School District

DRAWING TITLE

Cabling Legends, Schedules & Details

ISSUE DATES

DATE:	ISSUED FOR:
02-26-2026	D.R. 2 - CONSTRUCTION DOCUMENTS

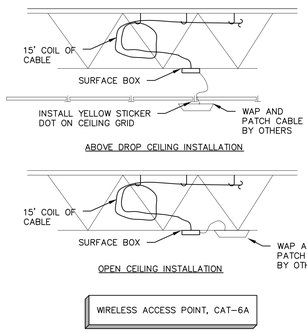
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CHECKED	BVH
APPROVED	BWE

PROJECT NO.

25026E

DRAWING NO.

TC101



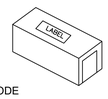
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PARTS / CONNECTIVITY CODE

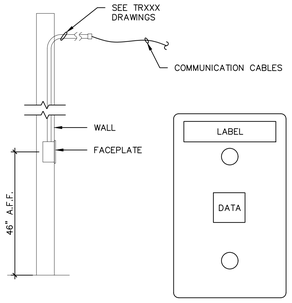
QTY	DESCRIPTION	MANUFACTURER	PART #
1	SURFACE BOX	HUBBELL	HSB10W
1	CAT-6A CABLES-YELLOW	MOHAWK	M5914B
1	CAT-6A JACK	HUBBELL	HJ6AY

INSTALLATION NOTES:

1. PROVIDE A SURFACE MOUNT BOX TO THE BUILDING STRUCTURE NEAR THE ACCESS POINT LOCATION.
2. INSTALL A LASER PRINTED CABLE LABEL ON THE CEILING WHERE THE CABLE TERMINATES. THIS WILL ALLOW THE FUTURE USER TO FIND THE CABLE TO EVENTUALLY INSTALL WIRELESS ACCESS POINT.



10 CONNECTIVITY CODE
TC102



5

PARTS / CONNECTIVITY CODE

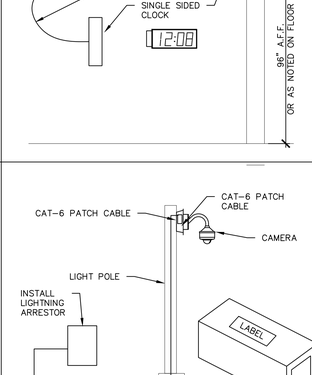
QTY	DESCRIPTION	MANUFACTURER	PART #
1	CAT-6 CABLE	MOHAWK	M58281
1	TELEPHONE PLATE	HUBBELL	SP6F

5 CONNECTIVITY CODE
TC102

CONNECTIVITY CODE INSTALLATION NOTES:

1. REFER TO THESE NOTES FOR ALL CONNECTIVITY CODES. FOR SPECIALIZED NOTES SEE THE ACTUAL CONNECTIVITY CODE.
2. ROUTE ALL USER CABLES FROM THE RACK OR CABINET, THROUGH THE CABLE TRAY IF SO PROVIDED. IF NO CABLE TRAY IS SHOWN INSTALL CABLES THROUGH "J" HOOKS. PROVIDE ALL "J" HOOKS.
3. CABLES SHALL BE SUPPORTED NO LESS THAN EVERY 5 FEET.
4. PROVIDE A SMALL LOOP OF CABLE ABOVE THE CEILING PRIOR TO INSTALLING THE CABLE INTO THE USER CONDUIT OR RACEWAY.
5. ROUTE THE CABLE THROUGH THE CONDUIT OR RACEWAY AND TO THE WALLBOX, FLOORBOX OR SURFACE MOUNT BOX. PROVIDE ENOUGH EXTRA CABLE FOR TERMINATION AND MAINTENANCE.
6. TERMINATE ALL CABLES WITH THE CORRECT CONNECTORS.
7. ALL CONNECTORS SHALL BE INSERTED INTO THE KEYSTONE PLATES AND THEN THE KEYSTONE PLATES SHALL BE INSTALLED INTO THE FACEPLATES.
8. INSTALL FACEPLATES TO THE BOXES OR DIRECTLY TO THE WALL OR FURNITURE IN THE CASE OF SURFACE MOUNT BOXES.
9. EACH CABLE SHALL HAVE A LASER-PRINTED, SELF-LAMINATING WRAP-AROUND LABEL AT EACH END. SEE DETAILS ON TC101
10. OUTLETS SHALL BE AT 18" AFF UNLESS NOTED ON THE CONNECTIVITY CODE OR PLAN DRAWINGS.
11. LABEL EACH FACEPLATE WITH A LASER-PRINTED LABEL THAT IS INSTALLED BEHIND THE CLEAR PLASTIC LABEL STRIP. WHERE NO LABEL STRIP IS PROVIDED, THE CONTRACTOR SHALL INSTALL A LASER PRINTED ADHESIVE LABEL. WHERE SPECIFICALLY NOTED, THE CONTRACTOR SHALL INSTALL ENGRAVED LAMACOID LABELS.
12. AFTER INSTALLATION, ALL CABLES SHALL BE TESTED. SEE SPECIFICATIONS FOR TESTING REQUIREMENTS.
13. SEE DRAWINGS AND SPECS FOR DETAILS ON LABELING PLATES AND PANELS IN THE COMM ROOMS
14. PROVIDE FLEXIBLE CONDUIT FROM THE WALLBOX OR FLOORBOX TO THE FURNITURE RACEWAY WHERE CABLES ARE INSTALLED IN FURNITURE.

N CONNECTIVITY CODE MOHAWK NOTE
TC102



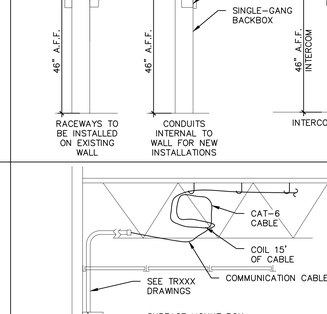
11

PARTS / CONNECTIVITY CODE

QTY	DESCRIPTION	MANUFACTURER	PART #
1	SURFACE BOX	HUBBELL	HSB10W
1	CAT-6 CABLES-YELLOW	MOHAWK	M58283
1	CAT-6 JACK	HUBBELL	HXJ6Y
INDOOR MOUNT			
1	RIGHT ANGLE AP MOUNT	OBERON	1011-00-WH
OUTDOOR MOUNT			
1	RIGHT ANGLE AP MOUNT	OBERON	1022 SERIES

NOTES:
1. IF NO CONDUIT EXISTS, FISH WALL.
2. INSTALL IN BACKBOX OR ABOVE CEILING.

11 CONNECTIVITY CODE
TC102



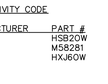
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PARTS / CONNECTIVITY CODE

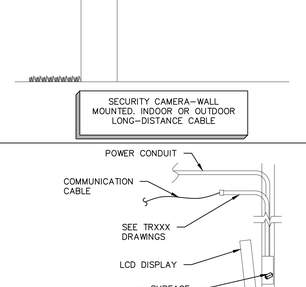
QTY	DESCRIPTION	MANUFACTURER	PART #
1	SURFACE BOX	HUBBELL	HSB10W
1	CAT-6 CABLES-GREEN	MOHAWK	M58286
1	CAT-6 JACK	HUBBELL	HXJ6GN

INSTALLATION NOTES:

1. PROVIDE A SURFACE MOUNT BOX TO THE BUILDING STRUCTURE NEAR THE SECURITY CAMERA LOCATION.
2.
3. SEE FLOORPLAN FOR LOCATION.
4. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR TYPE



6 CONNECTIVITY CODE
TC102



1

PARTS / CONNECTIVITY CODE

QTY	DESCRIPTION	MANUFACTURER	PART #
1	FACEPLATE	HUBBELL	IMF1OW
1	CAT-6 CABLES	MOHAWK	M58281
1	CAT-6 JACK	HUBBELL	HXJ6OW
1	ONE-HOLE KEYSTONE	HUBBELL	IM1K1OW
2	1 UNIT BLANK	HUBBELL	IMB1OW

INSTALLATION NOTES:

1. SEE FLOORPLAN FOR LOCATION.
2. TERMINATE CABLES. LABEL CABLES AND FACEPLATE. SEE DETAILS AND SPECS FOR LABELING REQUIREMENTS

1 CONNECTIVITY CODE
TC102

12

PARTS / CONNECTIVITY CODE

QTY	DESCRIPTION	MANUFACTURER	PART #
1	SURFACE BOX	HUBBELL	HSB10W
1	LONG DISTANCE-YELLOW	PAIGE	250300303
1	CAT-6 JACK	HUBBELL	HXJ6Y

INSTALLATION NOTES:

1. PROVIDE A SURFACE MOUNT BOX TO THE BUILDING STRUCTURE NEAR THE ACCESS POINT LOCATION.
2. SEE FLOORPLAN FOR LOCATION.
3. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR TYPE
4. INSTALL A LASER PRINTED CABLE LABEL ON THE CEILING WHERE THE CABLE TERMINATES. THIS WILL ALLOW THE FUTURE USER TO FIND THE CABLE TO EVENTUALLY INSTALL WIRELESS ACCESS POINT.

12 CONNECTIVITY CODE
TC102

7

PARTS / CONNECTIVITY CODE

QTY	DESCRIPTION	MANUFACTURER	PART #
1	SURFACE BOX	HUBBELL	HSB10W
1	CAT-6 CABLES-GREEN	MOHAWK	M58286
1	CAT-6 JACK	HUBBELL	HXJ6GN

INSTALLATION NOTES:

1. PROVIDE A SURFACE MOUNT BOX TO THE BACKBOX AT THE SECURITY CAMERA LOCATION.
2. SEE FLOORPLAN FOR INSTALLATION LOCATION. SEE TR RACEWAY DRAWINGS FOR HEIGHT OF CAMERA AND CABLING.

7 CONNECTIVITY CODE
TC102

2

PARTS / CONNECTIVITY CODE

QTY	DESCRIPTION	MANUFACTURER	PART #
1	FACEPLATE	HUBBELL	IMF1OW
2	CAT-6 CABLES	MOHAWK	M58281
2	CAT-6 JACK	HUBBELL	HXJ6OW
1	TWO-HOLE KEYSTONE	HUBBELL	IM2K1OW
2	1 UNIT BLANK	HUBBELL	IMB1OW

INSTALLATION NOTES:

1. SEE FLOORPLAN FOR LOCATION.
2. TERMINATE CABLES. LABEL CABLES AND FACEPLATE. SEE DETAILS AND SPECS FOR LABELING REQUIREMENTS

2 CONNECTIVITY CODE
TC102

13

PARTS / CONNECTIVITY CODE

QTY	DESCRIPTION	MANUFACTURER	PART #	
1	SURFACE BOX	HUBBELL	HSB10W	
1	CAT-6 CABLE-BLUE	MOHAWK	M58281	
1	CAT-6 JACK-BLUE	HUBBELL	HXJ6BL	
1	IP CLOCK	SAPLING	SBP-315-254-0G	TA
WHERE NOTED AS "LARGE CLOCK" PROVIDE:				
1	IP CLOCK	SAPLING	SBP-315-406-0G	TB

NOTES:
1. INSTALL THE DATA CABLE IN THE BACKBOX.
2. PROVIDE A PATCH CABLE TO CONNECT THE CLOCK DEVICE.
3. TEST CLOCK

13 CONNECTIVITY CODE
TC102

8

PARTS / CONNECTIVITY CODE

QTY	DESCRIPTION	MANUFACTURER	PART #
1	SURFACE BOX	HUBBELL	HSB10W
1	CAT-6 CABLE-PURPLE	MOHAWK	M58290
1	CAT-6 JACK-PURPLE-RACK	HUBBELL	HXJ6P
1	CAT-6 JACK-PURPLE-PLATE	HUBBELL	HXJ6P

INSTALLATION NOTES:

1. PROVIDE A SURFACE MOUNT BOX TO THE BACKBOX AT THE INTERCOM LOCATION.
2. SEE FLOORPLAN FOR INSTALLATION LOCATION.
3. TERMINATE THE PURPLE CABLE WITH A PURPLE JACK AT BACKBOX AND AT COMM ROOM. CHOOSE LAST PORT ON A PATCH PANEL.

8 CONNECTIVITY CODE
TC102

3

PARTS / CONNECTIVITY CODE

QTY	DESCRIPTION	MANUFACTURER	PART #
1	SURFACE BOX	HUBBELL	HSB10W
1	LONG DISTANCE CAT-6 JACK	PAIGE HUBBELL	SEE SPECS1 HXJ6GN

INSTALLATION NOTES:

1. PROVIDE A SURFACE MOUNT BOX TO THE BACKBOX AT THE SECURITY CAMERA LOCATION.
2. SEE FLOORPLAN FOR INSTALLATION LOCATION. SEE TR RACEWAY DRAWINGS FOR HEIGHT OF CAMERA AND CABLING.
3. UTILIZE LONG-DISTANCE CABLE AS THIS WILL BE FAR AWAY FROM THE COMM ROOM. TERMINATE CABLE WITH GREEN JACKS.

3 CONNECTIVITY CODE
TC102

14

PARTS / CONNECTIVITY CODE

QTY	DESCRIPTION	MANUFACTURER	PART #
1	SURFACE BOX	HUBBELL	HSB10W
1	CAT-6 CABLES	BELDEN	OSP6F
1	CAT-6 JACK	HUBBELL	SHIELDED
1	LIGHTNING ARRESTOR WITH POE PASS THRU	EMERSON/EDCO	CAT6-POE

INSTALLATION NOTES:

1. PROVIDE A SURFACE MOUNT BOX IN THE CAMERA BACKBOX.
2. SEE SECURITY CAMERA ONE-LINE FOR ACTUAL ROUTING OF CABLES TO SERVE THE CAMERA.
3. INSTALL SHIELDED CAT-6 JACKS AT EACH END OF THE CABLE.
4. CONNECT TO LIGHTNING ARRESTOR AT THE BUILDING. CONNECT TO GROUND BAR IN COMM ROOM.

14 CONNECTIVITY CODE
TC102

9

PARTS / CONNECTIVITY CODE

QTY	DESCRIPTION	MANUFACTURER	PART #
1	SURFACE BOX	HUBBELL	HSB2OW
2	CAT-6 CABLE,	MOHAWK	M58281
2	CAT-6 JACK	HUBBELL	HXJ6OW

INSTALLATION NOTES:

1. PROVIDE A SURFACE MOUNT BOX TO THE INTERIOR SIDE OF THE MECHANICAL CONTROLS PANEL LOCATION.
2. SEE FLOOR PLANS FOR INSTALLATION LOCATION.
3. TERMINATE CABLE AT COMM ROOM IN A PATCH PANEL. PROVIDE MODULAR JACK AT PANEL.
4. COORDINATE LOCATION WITH MECHANICAL OR ELECTRICAL CONTRACTOR

9 CONNECTIVITY CODE
TC102

4 RACEWAY CODE

PARTS / CONNECTIVITY CODE

QTY	DESCRIPTION	MANUFACTURER	PART #
1	SURFACE BOX	HUBBELL	HSB10W
1	CAT-6 CABLES	MOHAWK	M58281
1	CAT-6 JACK	HUBBELL	HXJ6OW

INSTALLATION NOTES:

1. LABEL CABLE AND SURFACE BOX WITH CABLE NUMBER
2. COIL DATA CABLE AND MOUNT SURFACE MOUNT BOX TO SIDE OF THE IN-WALL BACKBOX.

4 CONNECTIVITY CODE
TC102

TMP ARCHITECTURE

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PROJECT TITLE

NEW FIELD HOUSE

Dexter Community School District

DRAWING TITLE

Cabling Connectivity Codes

ISSUE DATES

DATE:	ISSUED FOR:
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DRAWN	BVH
CHECKED	BVH
APPROVED	BWE

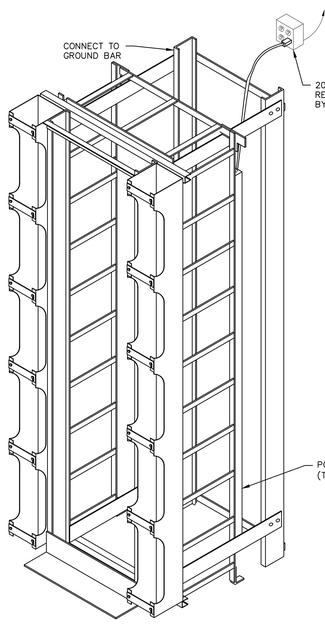
PROJECT NO.

25026E

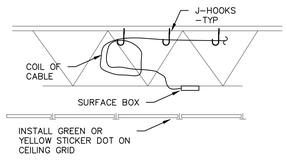
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TC102

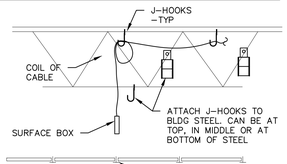
NOTES:
1. ALL RACKS SHALL BE SECURED TO THE FLOOR WITH ANCHORS & SECURED TO THE WALL WITH ADDITIONAL CABLE LADDER.
2. CONTRACTOR SHALL INSTALL RACKS WITH ALL 12" CABLE LADDER AS SHOWN. CABLE LADDER SHALL BE USED FOR ROUTING CABLES FROM ABOVE & BELOW TO THE BACK OF THE PATCH PANELS IN THE RACKS.
3. CABLE LADDER SHALL BE INSTALLED VERTICALLY & HORIZONTALLY BEHIND EACH RACK. VERTICAL LADDER SHALL BE CENTERED DIRECTLY BEHIND THE 6" VERTICAL ORGANIZER.
4. EACH RACK SHALL CONNECT TO THE NEXT WITH UNISTRUT BRACKETS CONNECTING THE CABLE LADDER, AS WELL AS A DIRECT CONNECTION OF EACH RACK TO THE VERTICAL ORGANIZERS.
5. ALL CABLE LADDER AND UNISTRUT SHALL BE CONFIGURED SO IT WILL NOT IMPEDE COMPONENTS INSTALLED IN THE RACK.
6. COMMUNICATIONS CONTRACTOR SHALL INSTALL POWER STRIPS TO THE BACK OF THE CABLE LADDER & EXTEND POWER CORD TO RECEPTACLE MOUNTED TO THE BACK OF THE VERTICAL ORGANIZER. RECEPTACLE SHALL BE A 20 AMP PLUG.
7. CONNECT RACK AND CABLE LADDER TO THE GROUND BAR IN THE COMM ROOM. SEPARATE GROUND CABLE FOR EACH. ENSURE ALL CABLE LADDER IS ELECTRICALLY CONNECTED WITH STAR WASHERS OR INDIVIDUAL GROUND BARS FOR EACH SECTION
8. ROUTE POWER CABLE ALONG CABLE LADDER FROM RACK TO THE POWER OUTLET ON THE WALL
9. ELECTRICAL CONTRACTOR SHALL INSTALL ELECTICAL BOXES, CONDUIT & POWER CABLING.



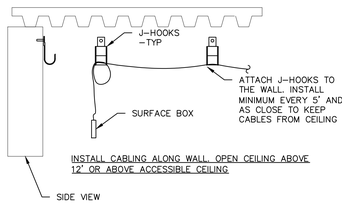
7 TC103 CABLE LADDER & RACK DETAIL



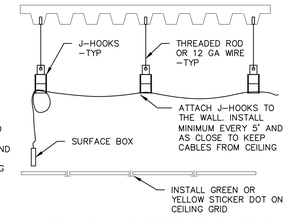
DROP CEILING INSTALLATION WHERE THERE IS BUILDING STEEL WITHIN 24" OF DROP CEILING



DROP CEILING INSTALLATION WHERE THERE IS BUILDING STEEL MOPE THAN 24" OF DROP CEILING



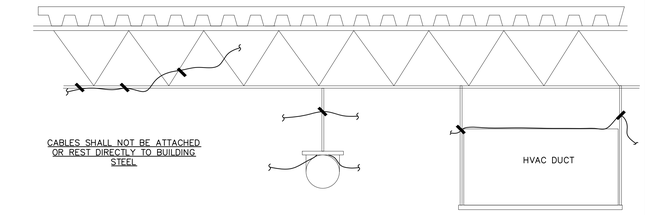
INSTALL CABLING ALONG WALL. OPEN CEILING ABOVE 12" OR ABOVE ACCESSIBLE CEILING



INSTALL CABLING WITH SUPPORT FROM THE CEILING

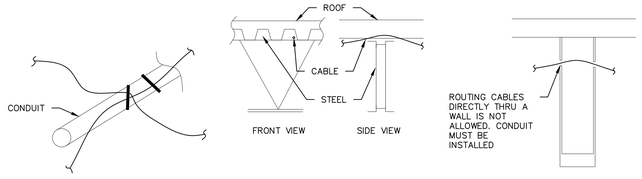
INSTALLATION NOTES:
1. CONTRACTOR SHALL INSTALL CABLE SUPPORTS TO ENSURE CABLES ARE NOT LAYING ON CONDUIT, WATERPIPE OR BUILDING STEEL.
2. CONTRACTOR SHALL INSTALL CABLE SUPPORTS SUCH AS J-HOOKS AND BRIDLE RINGS TO SUPPORT CABLE EVERY 5' MINIMUM
3. WHEN ROUTING CABLES ALONG A WALL, ABOVE A CEILING OR ABOVE 12' AFF, INSTALL J-HOOKS ON WALL EVERY 5' MINIMUM OR AS REQUIRED TO KEEP CABLES FROM RESTING ON CEILING.
4. THERE SHALL BE ABSOLUTELY NO USE OF TAPE OR TY-WRAPS ON THE CABLES. USE ONLY VELCRO STRAPS ON CABLE. DO NOT SUPPORT CABLE DIRECTLY TO CONDUITS, PIPES OR BUILDING STEEL.
5. DO NOT USE DROP CEILING TILE WIRES TO SUPPORT CABLES. WHERE NO BUILDING STEEL OR WALL IS AVAILABLE INSTALL DROP CEILING WIRES AND ANCHORT TO BUILDING STEEL OR DIRECTLY INTO CONCRETE CEILING.
6. INSTALL CABLE SUPPORTS DIRECTLY ABOVE THE CAMERA OR WAP LOCATION. COIL CABLE AND SUPPORT ON A J-HOOK OR BRIDLE RING. USE VELCRO TO SECURE LOOP TO THE CABLE SUPPORT.

3 TC103 DATA CABLE SUPPORT DETAILS AND REQUIREMENTS



DO NOT USE TY-WRAPS OR VELCRO TO ATTACH CABLES TO BUILDING STRUCTURE OR OTHER SUPPORTS

CABLES SHALL NOT BE ATTACHED OR REST DIRECTLY TO THREADED ROD OR OTHER ONTO PIPES



CABLES SHALL NOT REST ON CONDUIT NOR BE ATTACHED TO CONDUIT

CABLES SHALL NOT BE INSTALLED IN BETWEEN BUILDING STEEL AND ROOF

CABLES SHALL NOT BE INSTALLED THRU A WALL WITHOUT A CONDUIT PASS-THRU

INSTALLATION NOTES:
1. CONTRACTOR SHALL INSTALL CABLES AROUND THE BUILDING AND SHALL SUPPORT CABLES AS PER NOTES, DETAILS AND INDUSTRY STANDARDS.
2. DO NOT USE ANY TY-WRAPS OR TAPE TO SUPPORT CABLES.
3. DO NOT ATTACH CABLES TO BUILDING STEEL, CONDUITS OR PIPES.
4. DO NOT INSTALL CONDUITS THRU A WALL WITHOUT INSTALLING NYLON GROMMETS TO THE END OF THE CONDUIT PASS THRUS.
5. DO NOT ALLOW CABLES TO REST ON HVAC DUCTS.

| = TIE WRAPS OR VELCRO IS NOT TO BE USED FOR DIRECT SUPPORT OF CABLES TO PIPES, STEEL OR BUILDING STRUCTURE

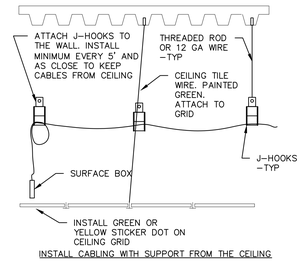
1 TC103 CABLE INSTALLATION AND SUPPORT TYPES OF SUPPORT THAT ARE DISALLOWED

KEYED NOTES:
1. INSTALL FIBER OPTIC RINGS ON THE WALL OF THE COMM ROOM. PROVIDE A SPARE 30' COIL OF CABLE.
2. INSTALL FIBER CABLES THROUGH THE CONDUITS BETWEEN BUILDINGS. WHEN INSTALLING THE FIBER INSIDE THE BUILDING ENSURE IT IS ROUTED INSIDE CONDUIT. SEE ELECTRICAL PLANS FOR CONDUIT LOCATIONS
3. SEE RACK LAYOUTS FOR FIBER PANEL PARTS.

GENERAL NOTES:
1. INSTALL ALL EQUIPMENT SHOWN. THE CONTRACTOR SHALL WALK THE BUILDING AND SITE WITH THE OWNER PRIOR TO INSTALLATION TO IDENTIFY ACTUAL LOCATION OF ALL EQUIPMENT.
2. IDENTIFY LOCATION OF ALL FIBER PANELS IN THE RACKS WITH THE OWNER. PRIMARILY IDENTIFY AT THE TOP OF THE RACKS IN EACH COMM ROOM. LOCATE THE FIBER OPTIC STOWAGE RINGS ON THE WALL WITH THE DESIGNER.
3. ALL CABLES SHALL HAVE A WRAP-AROUND LABEL AT THE TERMINATION TO IDENTIFY THE CABLE AT EACH END. INSTALL AT COIL ON WALL AND WHERE THE FIBER ENTERS THE FIBER OPTIC PANEL
4. TEST ALL FIBER CABLES FOR LOSS. PROVIDE REPORTS.



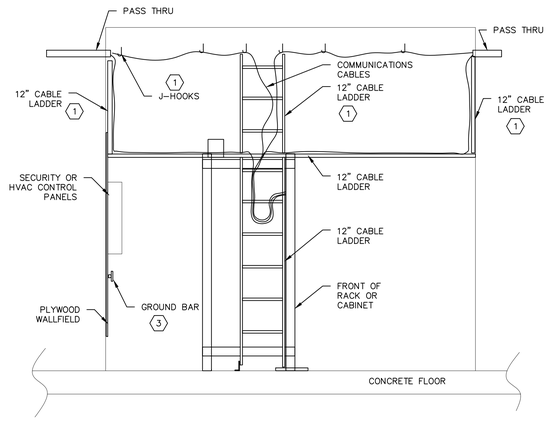
4 TC103 BUILDING FIBER BACKBONE CONNECTIVITY



INSTALL CABLING WITH SUPPORT FROM THE CEILING

INSTALLATION NOTES:
1. CONTRACTOR SHALL INSTALL CABLE SUPPORTS TO ENSURE CABLES ARE NOT LAYING ON CONDUIT, WATERPIPE OR BUILDING STEEL.
2. CONTRACTOR SHALL INSTALL CABLE SUPPORTS SUCH AS J-HOOKS AND BRIDLE RINGS TO SUPPORT CABLE EVERY 5' MINIMUM
3. WHEN ROUTING CABLES ALONG A WALL, ABOVE A CEILING OR ABOVE 12' AFF, INSTALL J-HOOKS ON WALL EVERY 5' MINIMUM OR AS REQUIRED TO KEEP CABLES FROM RESTING ON CEILING.
4. THERE SHALL BE ABSOLUTELY NO USE OF TAPE OR TY-WRAPS ON THE CABLES. USE ONLY VELCRO STRAPS ON CABLE. DO NOT SUPPORT CABLE DIRECTLY TO CONDUITS, PIPES OR BUILDING STEEL.
5. DO NOT USE EXISTING DROP CEILING TILE WIRES TO SUPPORT CABLES. WHERE NO BUILDING STEEL OR WALL IS AVAILABLE INSTALL DROP CEILING WIRES AND ANCHOR TO BUILDING STEEL OR DIRECTLY INTO CONCRETE CEILING. ATTACH TO DROP CEILING GRID. PAINT WIRES GREEN PRIOR TO INSTALLATION.
6. INSTALL CABLE SUPPORTS DIRECTLY ABOVE THE CAMERA OR WAP LOCATION. COIL CABLE AND SUPPORT ON A J-HOOK OR BRIDLE RING. USE VELCRO TO SECURE LOOP TO THE CABLE SUPPORT.

2 TC103 DATA CABLE DROP CEILING CABLE SUPPPORT. TYPICAL

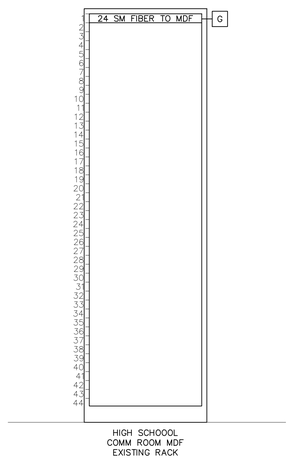


GENERAL NOTES:
1. REVIEW LOCATION OF INCOMING CONDUITS FOR ROUTING OF BACKBONE AND USER CABLES TO THE RACKS. INSTALL CABLE LADDER FROM RACKS TO INCOMING CABLE PATHWAYS.
2. INSTALL CABLE LADDER FROM THE TOP OF THE RACKS/CABINETS TO THE CABLE PATH IN CEILING. INSTALL ENOUGH LADDER TO ROUTE ALL CABLES TO THE RACKS. DO NOT GROUP CABLES IN GROUPS LARGER THAN 24 CABLES.
3. ATTACH THE RACKS/CABINETS TO THE FLOOR. VERIFY LOCATION WITH ENGINEER PRIOR TO INSTALLATION.
4. PROVIDE ALL MANUFACTURER RECOMMENDED HARDWARE FOR INSTALLATION OF CABLE LADDER AND ATTACHMENT TO THE WALLS, FLOOR AND RACKS.
5. USE ONLY 3/8" HARDWARE FOR BOLTS AND CONNECTIVITY

KEYED NOTES:
1. INSTALL J-HOOKS AND CABLE LADDER FOR SUPPORT OF CABLES ALONG THE WALL AND IN THE CEILING.
2. WHERE NEW RACKS OR CABINETS ARE INSTALLED, EXTEND CABLE LADDER TO BUILDING STRUCTURE FOR TRANSITION OF CABLES FROM CEILING TO COMM RACKS.
3. CONNECT RACKS/CABINETS AND CABLE LADDER TO THE GROUND BAR

8 TC103 TYPICAL ELEVATION VIEW OF COMM ROOM FREE STANDING RACKS AND CABINETS

GENERAL NOTES:
1. TERMINATE FIBER CABLE INTO A NEW PANEL. LOCATE IN EXISTING RACK WITH THE OWNER.
2. PROVIDE FIBER COIL ON THE WALL IN A FIBER STOWAGE RING. PROVIDE A MINIMUM OF 30' AT THE RING.
3. LABEL FIBER PANEL, CABLE AND CABLE AT THE STOWAGE RING.
4. TEST FIBER CABLE.
5. TERMINATE WITH LC STYLE CONNECTORS.

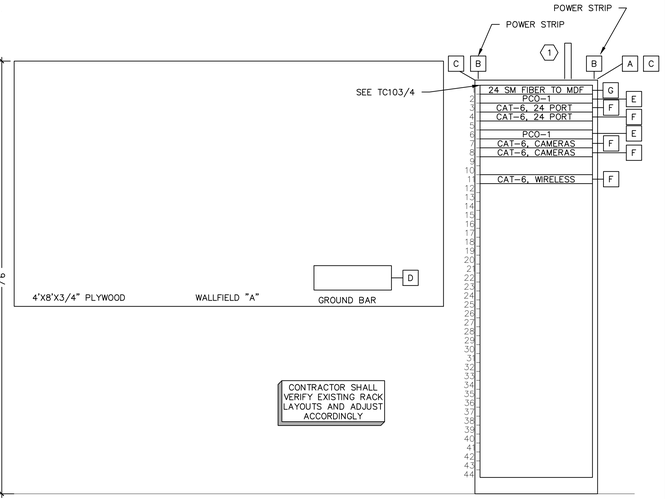


6 TC103 HIGH SCHOOL MDF RACK LAYOUT

GENERAL NOTES:
1. RACKS SHALL BE SECURED TO THE FLOOR WITH ANCHORS.
2. INSTALL THE BACKBONE CABLES THAT ROUTE BETWEEN COMMUNICATIONS ROOMS. COIL SPARE FIBER CABLE ON THE WALL. ROUTE CABLES TO THE RACK/CABINET VIA CABLE LADDER.
3. ALL USER DATA CABLES SHALL ROUTE IN THE CEILING & THEN ROUTE DOWN VERTICAL CABLE LADDER TO THE RACK. AT THE RACK/CABINET, PROVIDE A "DRIP LOOP" FOR ALL THE CABLES DRIP LOOP SHALL BE A MINIMUM OF ONE FOOT.
4. CONNECT ALL RACKS, CABINETS AND CABLE LADDER TO THE GROUND BAR AS DESCRIBED IN THE GROUNDING DETAIL DETAIL & THE GROUNDING SPECIFICATIONS.
5. IDENTIFY LOCATIONS ON THE DRAWINGS THAT WILL EXCEED 300' AND PROVIDE AND INSTALL "LONG-DISTANCE" CABLE AT THESE LOCATIONS. SEE SPECS AND OTHER DETAILS.
6. INSTALL CABLE LADDER FROM THE RACK TO THE WALL AND USE THIS TO ROUTE DATA CABLES FROM ABOVE AND BELOW TO THE RACK. SEE DETAIL

WALLFIELD NOTES:
A. PLYWOOD SHALL BE INSTALLED ON THE WALL SHOWN IN THE COMMUNICATIONS ROOM FLOOR PLAN AND AS DETAILED IN THIS DRAWING.
B. HORIZONTAL PLYWOOD SHALL BE MOUTED AT 42" AFF TO THE BOTTOM OF THE PLYWOOD.
C. PLYWOOD SHALL BE FIRE RESISTANT PLYWOOD. GRADE "A" ON THE SIDE TOWARDS THE USER.
D. PLYWOOD SHALL BE PAINTED WITH WHITE PAINT. LEAVE ONE OF THE FIRE RESISTANT STAMPS VISIBLE. DO NOT PAINT OVER THE STAMP.
E. THE CONTRACTOR SHALL INSTALL D-RINGS OR CABLE LADDER TO ROUTE CABLES HORIZONTALLY & VERTICALLY ALONG THE WALLFIELD.

KEYED NOTES:
1. CONTRACTOR SHALL INSTALL 12" CABLE LADDER VERTICALLY FROM TOP OF CABINET OR RACK TO THE CEILING AREA FOR ROUTING USER CABLES TO THE PANELS. SEE TC103/6



5 TC103 COMM ROOM "FH" ROOM A205 RACK LAYOUT

TMP ARCHITECTURE

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1191 WEST SQUARE LAKE ROAD
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REGISTRATION SEAL

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PROJECT TITLE
NEW FIELD HOUSE

Dexter Community School District

DRAWING TITLE
Cable Routing Details & Fiber Backbone

ISSUE DATES

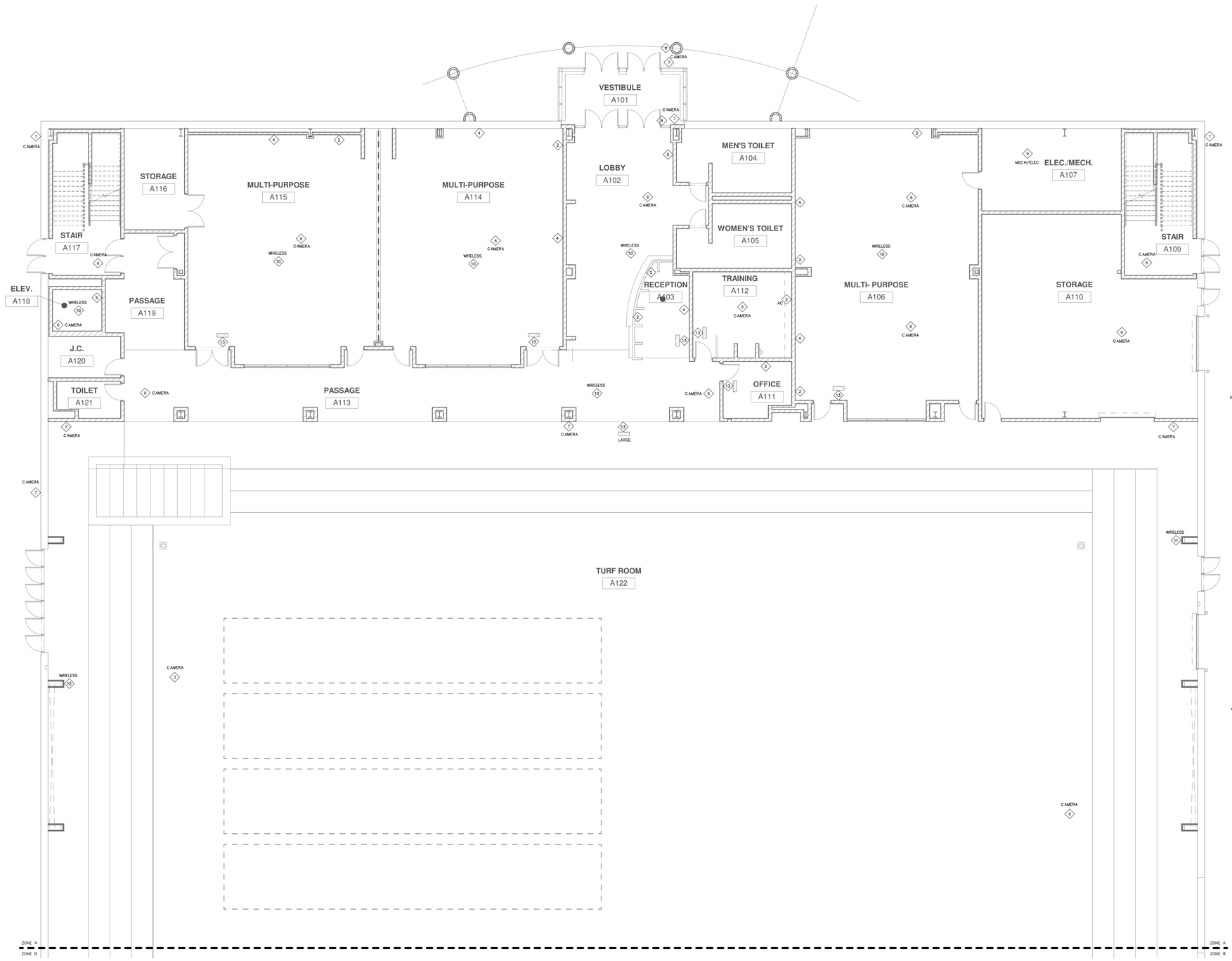
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DATE:	ISSUED FOR:
DRAWN	BVH
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APPROVED	BWE

PROJECT NO.
25026E

DRAWING NO.
TC103

GENERAL CABLING NOTES

1. COMMUNICATIONS CONTRACTOR SHALL INSTALL ANY PASS-THRU'S REQUIRED FOR ROUTING CABLES AROUND THE BUILDING THAT ARE NOT SHOWN AS BEING INSTALLED AS PART OF THE 'TR' SERIES DRAWINGS. SEE ATTACHED.
2. CONTRACTOR SHALL COMPLETE A WALK-THRU OF THE SITE DURING CONSTRUCTION AND SHALL VERIFY ALL CONDUITS AND PASS THRU'S ARE INSTALLED FOR CABLES.
3. ALL CABLES SHALL BE SUPPORTED ABOVE THE DROP CEILING BY J-HOOKS. HOOKS SHALL BE LOCATED NO LESS THAN EVERY 5 FEET.



1 CABLING FIRST FLOOR-ZONE A
1/8" = 1'-0"

TMP ARCHITECTURE

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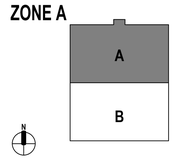
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NEW FIELD HOUSE

DEXTER COMMUNITY
SCHOOLS
DEXTER, MI

DRAWING TITLE

FIRST FLOOR CABLING - ZONE A



KEY PLAN

ISSUE DATES

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CHECKED	BVH
APPROVED	BWE

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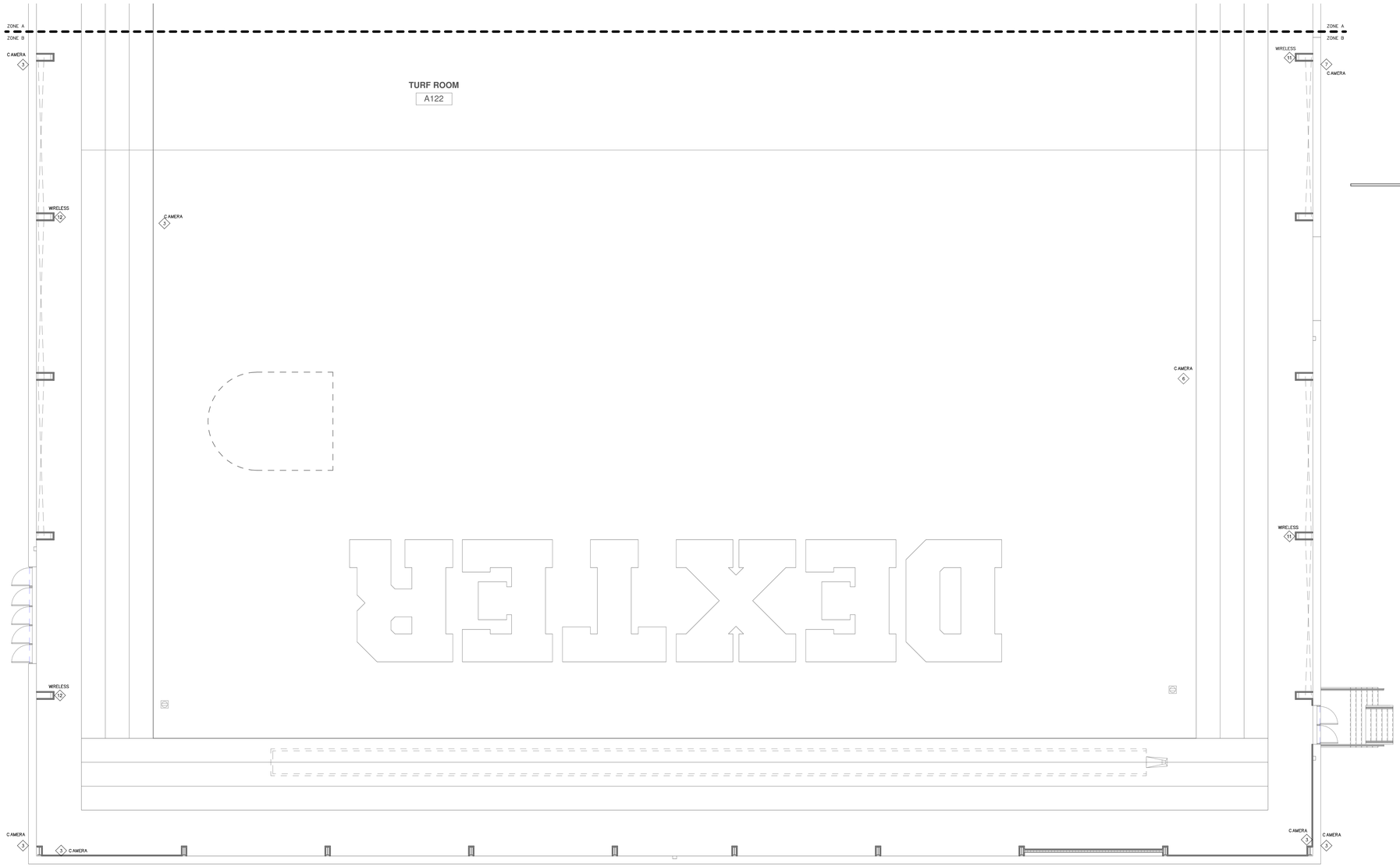
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TC201A

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GENERAL CABLING NOTES

1. COMMUNICATIONS CONTRACTOR SHALL INSTALL ANY PASS-THRU'S REQUIRED FOR ROUTING CABLES AROUND THE BUILDING THAT ARE NOT SHOWN AS BEING INSTALLED AS PART OF THE 'TR' SERIES DRAWINGS. SEE ATTACHED.
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1 CABLING FIRST FLOOR-ZONE B
1/8" = 1'-0"

TMP ARCHITECTURE

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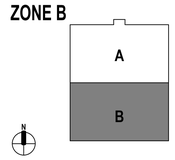
PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY
SCHOOLS
DEXTER, MI

DRAWING TITLE

FIRST FLOOR CABLING - ZONE B



KEY PLAN

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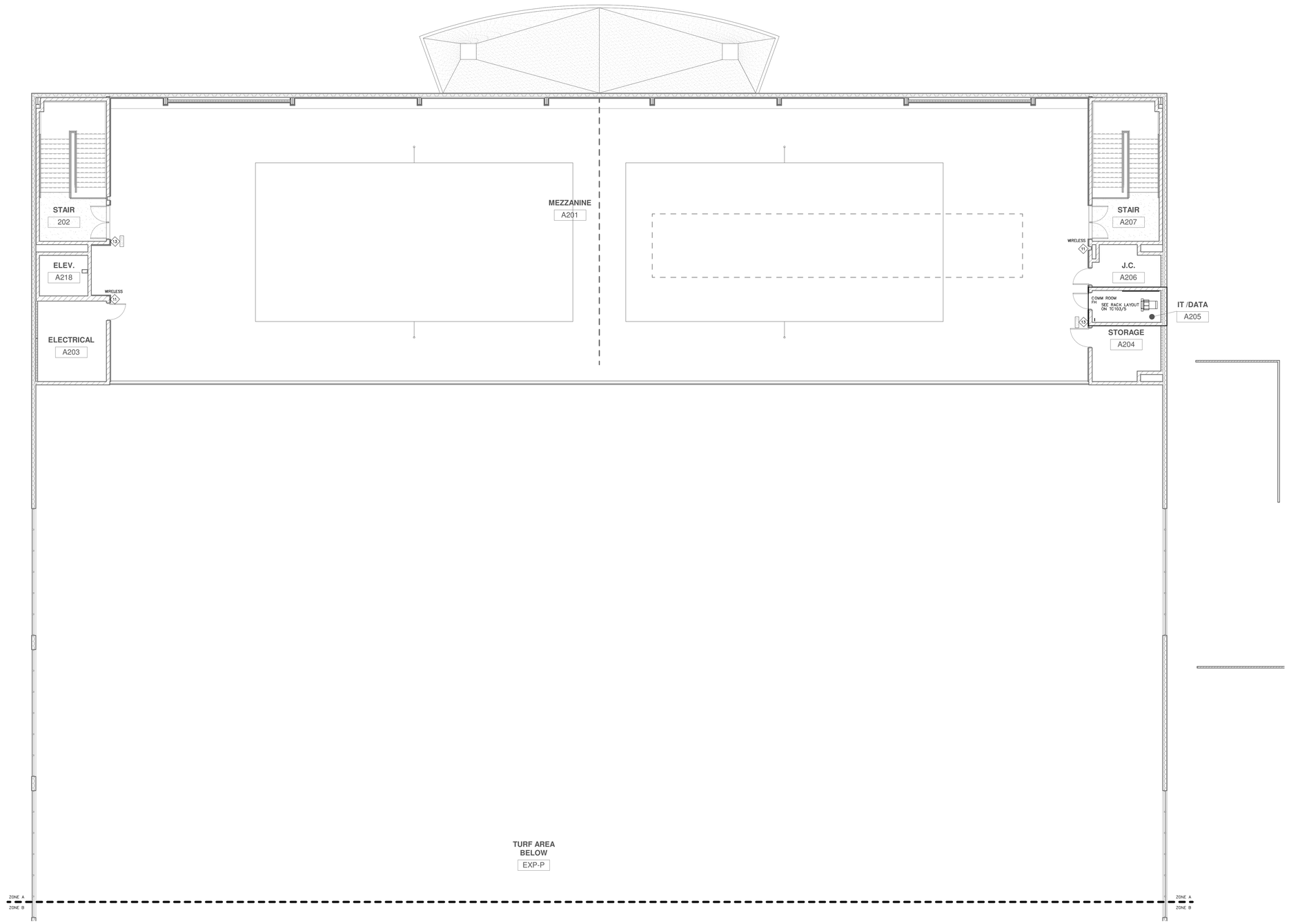
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GENERAL CABLING NOTES

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2. CONTRACTOR SHALL COMPLETE A WALK-THRU OF THE SITE DURING CONSTRUCTION AND SHALL VERIFY ALL CONDUITS AND PASS THRU'S ARE INSTALLED FOR CABLES.
3. ALL CABLES SHALL BE SUPPORTED ABOVE THE DROP CEILING BY J-HOOKS. HOOKS SHALL BE LOCATED NO LESS THAN EVERY 5 FEET.



1 CABLING SECOND FLOOR-ZONE A
1/8" = 1'-0"

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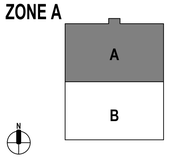
PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY
SCHOOLS
DEXTER, MI

DRAWING TITLE

SECOND FLOOR CABLING - ZONE A



KEY PLAN

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02-12-26	OWNER REVIEW
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PROJECT NO.

25026E

DRAWING NO.

TC202A

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AUDIO EQUIPMENT SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	PART NO.
WA	CLASSROOM AUDIO SYSTEM INCLUDING SPEAKERS A	LIGHTSPEED	T25-FD
WB	WIRED MICROPHONE WITH 20' MIC CABLE	AUDIO	OM3
WC	DRAWER FOR STORING MISCELLANEOUS AUDIO & VIDEO MATERIAL. 4 RU W/LOCK	LOWELL	UDEL-414
WE	POWER STRIP	SURGEX	SX1120RT
WF	AUDIO MIXER AND DIGITAL SIGNAL PROCESSOR (DSP). INCLUDE ALL SOFTWARE REQUIRED FOR FULL SYSTEM USE AND REMOTE ACCESS THRU DATA NETWORK	QSC	CORE 8 FLEX
WG	NETWORK AUDIO AMPLFIIER. 4-Channel 500W/CH	QSC	CX-Q-2K4
WH	NETWORK AUDIO AMPLFIIER. 4-Channel 1000W/CH	QSC	CX-Q-4K4
WJ	NETWORK AUDIO AMPLFIIER. 4-Channel 2000W/CH	QSC	CX-Q-8K4
WK	WIRELESS MICROPHONE WITH (HANDHELD) (LAVALIER) (HEADWORN) MIC	AUDIX	R42 RECEIVER HANDHELD MIC #H60 BODYPACK #B60 HEADWORN MIC #HT2
WL	WIRELESS MIC ANTENNA EXTENDER. CABLE AND MOUNTS TO EXTEND ANTENNAS	AUDIX	ANTDA4161
WM	NETWORK SWITCH. 26 PORTS	QSYS	NS26-480+
WN	LINE LEVEL AUDIO TRANSMITTER VIA CAT-6 CABLE	RDL	TX-TPS1A
WO	LINE LEVEL AUDIO RECEIVER VIA CAT-6 CABLE. EQUIP WITH POWER SUPPLY	RDL	TX-TPR1A / PS-24AS

COMMUNICATION SYMBOL LEGEND

SYMBOL	DESCRIPTION
(1)	THIS SYMBOL WITH A NUMBER INSIDE REFERS TO KEYNOTES. REFER TO NOTES ON THE SHEET OR WITHIN THE DETAIL FOR ADDITIONAL INFORMATION
A	EQUIPMENT SCHEDULE. THIS SYMBOL WITH LETTERS INSIDE REFERS EQUIPMENT SCHEDULES, SEE DETAILS AND EQUIPMENT SCHEDULES ON TC101, TC301, TC501 AND TC701.
1	CABLE SCHEDULE. THIS SYMBOL WITH NUMBERS INSIDE REFERS EQUIPMENT SCHEDULES, SEE DETAILS AND EQUIPMENT SCHEDULES ON TC101, TC301, TC501 AND TC701.
XXXX	AUDIO/VIDEO COMMUNICATIONS OUTLET. REFER TO THE ASSOCIATED AV SYSTEM DETAIL FOR REQUIREMENTS. ZZ REFERS TO HEIGHT OF OUTLET. 18" UNLESS OTHER WISE NOTED.
SEE TC3XX/X	AV SYSTEM DETAIL. REFER TO THIS SHEET AND DETAIL NUMBER FOR THE REQUIREMENTS OF THE AUDIO/VIDEO SYSTEM IN THIS ROOM
S ZZ X	SPEAKERS. SEE SPEAKER SCHEDULE ON TC301."X" REFERS TO SPEAKER TYPE. "ZZ" REFERS TO SPEAKER ZONE IF THIS IS A PAGING SPEAKER.
LCD.XX"	LCD DISPLAY. WHERE XX IS THE DIAGONAL MEASUREMENT. INCLUDE A MOUNT. SEE AV SYSTEM DETAIL AND SPECS FOR SPECIFICS

ABBREVIATIONS

ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION
2G	TWO-GANG BOX - PROVIDED BY EC	NIC	NOT IN CONTRACT
AC	ABOVE COUNTER - INSTALL BACKBOX SAME HEIGHT AS OTHER ELECTRICAL OUTLETS ABOVE THE COUNTER.	PBO	PROVIDED BY OTHERS
AFF	ABOVE FINISHED FLOOR	PCO-1	PATCH CORD ORGANIZER - 1 UNIT HIGH
AFG	ABOVE FINISHED GROUND	PCO-2	PATCH CORD ORGANIZER - 2 UNITS HIGH
AWG	AMERICAN WIRE GAUGE	PET	PROTECTED ENTRANCE TERMINAL
EMT	EMT TYPE CONDUIT	QTY	QUANTITY
EC	ELECTRICAL CONTRACTOR		

FLAT PANEL DISPLAY EQUIPMENT SCHEDULE

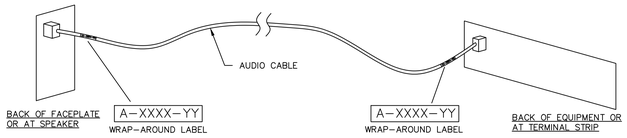
MARK	DESCRIPTION	MANUFACTURER	PART NO.
XA	65" FLAT PANEL. EQUIP WITH A MOUNT. VERIFY MOUNT PRIOR TO ORDERING.	SHARP	PN-ME652
XB	75" FLAT PANEL. EQUIP WITH A MOUNT. VERIFY MOUNT PRIOR TO ORDERING.	SHARP	PN-ME752
XC	86" FLAT PANEL. EQUIP WITH A MOUNT. VERIFY MOUNT PRIOR TO ORDERING.	SHARP	PN-ME862
XD	86" FLAT PANEL, TOUCH ENABLED. EQUIP WITH A MOUNT. VERIFY MOUNT PRIOR TO ORDERING.	NEWLINE	TT8625QELT
XE	TILT WALL MOUNT FOR FLAT PANEL 65" TO 75" DIAGONAL	CHIEF	LTM1U
XF	TILT WALL MOUNT FOR FLAT PANEL 86" TO 98" DIAGONAL	CHIEF	XTM1U
XG	PULL OUT MOUNT FOR FLAT PANEL 65" AND 75"	CHIEF	TS525TU
XH	LCD ROLLING MOUNT.	CHIEF	PFCUB
XJ	AT EACH DISPLAY WHERE THERE ARE DEVICES TO BE INSTALLED BEHIND THE FLAT PANEL DISPLAY, INSTALL A COMPONENT STORAGE PANEL	CHIEF	CSMP9X12
XK	SINGLE GANG FACEPLATE FOR CONTROL OF LCD ON/OFF, VOLUME AND INPUT	KRAMER	RC-206
XL	DIGITAL SIGNAGE PLAYER WITH RS-232 CONTROL	BRIGHTSIGN	HD1026

SPEAKER SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	PART NO.
S1	NOT USED		
S2	IN-CEILING SPEAKER, 6.5". INSTALL IN DROP CEILING OR DRYWALL CEILING.	ELECTROVOICE	C6.2-G2
S3	CLASSROOM AUDIO SPEAKER. DROP CEILING MOUNTED. CUSTOM CUT INTO CEILING	LIGHTSPEED	DRQ
S4	MEZZANINE SPEAKER. EQUIP WITH YOKE AND SECURITY MOUNT	QSC	PL-DC26 WITH YM YOKE
S5	FIELD SUSPENDED SPEAKER. COVER THE MAIN FIELD. EQUIP WITH YOKE AND SECURITY MOUNT	QSC	PL-CA-15 WITH YM YOKE
S6	FIELD SUSPENDED SUBWOOFER. EQUIP WITH YOKE AND SECURITY MOUNT	QSC	PL-SUB18 WITH PL-LA12-AF MOUNT

VIDEO EQUIPMENT SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	PART NO.
VA	DIGITAL SIGNAGE PLAYER WITH RS-232 CONTROL	BRIGHTSIGN	HD1026
VB	HDMI DISTRIBUTION AMPLIFIER 1-IN, 4-OUT	KEY DIGITAL	KD-DAx1X4
VC	POWER STRIP	SURGEX	SX1120RT
VD	PATCH PANEL-24 PORT, EQUIPPED WITH 8-PIN MODULAR JACKS TO MATCH THE CABLE COLOR AND CABLE TYPE BEING TERMINATED. PROVIDE ONE MODULAR JACK FOR EACH CABLE BEING TERMINATED. SEE SPEC AND DRAWINGS FOR COLORS. EQUIP WITH REAR CABLE ORGANIZER	HUBBELL	PANEL: HPJ24 ORGANIZER: HPRCMB

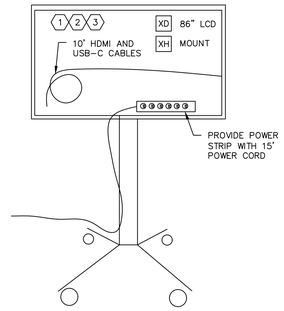


GENERAL NOTES:

1. INSTALL A WRAP-AROUND LABEL AT EACH END OF EACH CABLE.
2. WRAP-AROUND LABELS SHALL BE LASER-PRINTED AND SHALL BE SELF-LAMINATING.

A = AUDIO/VIDEO CABINET
XXXX = SPK FOR SPEAKER LINE
XXXX = LINE FOR LINE LEVEL
XXXX = MIC FOR MICROPHONE
XXXX = CTRL FOR CONTROL LINE
YY = AUDIO ZONE FOR SPEAKER
YY = FACEPLATE NUMBER FOR LINE AND MIC

3 TC301 TYPICAL CABLE LABELING FOR AUDIO CABLES



NOTES:

1. CONTRACTOR SHALL PROVIDE ALL PATCH CABLES SHOWN BETWEEN THE DEVICES. ATTACH CABLES TO THE ROLLING MOUNT SO THEY DO NOT PULL OUT OF THE PC OR SWITCHER.
2. PROVIDE THE MOUNT AND THE LCD AND INSTALL AT THE SITE.
3. TEST THE SYSTEM WITH ONE OF THE OWNERS LAPTOPS AND CONNECTION TO NUMEROUS ROOM SYSTEMS.

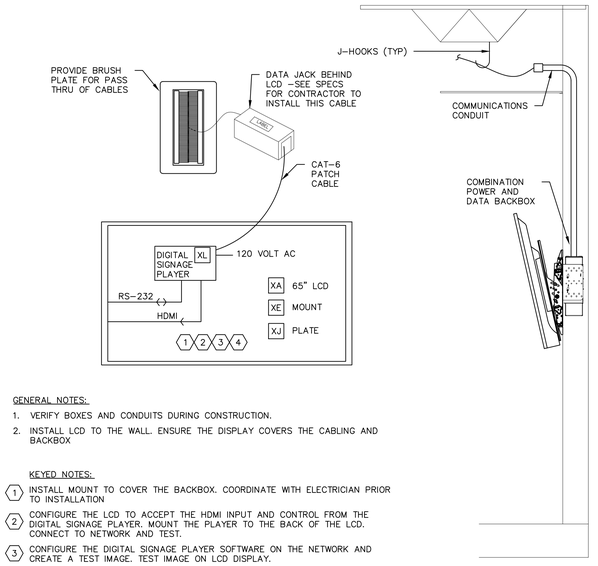
KEYED NOTES:

(1) MOUNT THE LCD ON THE ROLLING CART. ATTACH POWER STRIP TO THE LCD MOUNT.

(2) SECURELY ATTACH CABLES TO THE MOUNT AND LCD SO THEY WILL NOT PULL OUT OF THE LCD IF THE LAPTOP IS DROPPED ETC.

(3) PROVIDE COIL OF CABLE AND WAY TO ATTACH COIL TO LCD MOUNT

2 TC301 LCD ON ROLLING CART AUDIO/VIDEO CONNECTIVITY



GENERAL NOTES:

1. VERIFY BOXES AND CONDUITS DURING CONSTRUCTION.
2. INSTALL LCD TO THE WALL. ENSURE THE DISPLAY COVERS THE CABLING AND BACKBOX

KEYED NOTES:

(1) INSTALL MOUNT TO COVER THE BACKBOX. COORDINATE WITH ELECTRICIAN PRIOR TO INSTALLATION

(2) CONFIGURE THE LCD TO ACCEPT THE HDMI INPUT AND CONTROL FROM THE DIGITAL SIGNAGE PLAYER. MOUNT THE PLAYER TO THE BACK OF THE LCD. CONNECT TO NETWORK AND TEST.

(3) CONFIGURE THE DIGITAL SIGNAGE PLAYER SOFTWARE ON THE NETWORK AND CREATE A TEST IMAGE. TEST IMAGE ON LCD DISPLAY.

(4) SET SCHEDULE ON LCD ON/OFF THRU DIGITAL SIGNAGE PLAYER.

1 TC301 WALL MOUNT DISPLAY LCD FOR DIGITAL SIGNAGE

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PROJECT TITLE

NEW FIELD HOUSE

Dexter Community School District

DRAWING TITLE

Audio/Video Legends, Schedules & Details

ISSUE DATES

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02-26-2026	D.R. 2 - CONSTRUCTION DOCUMENTS

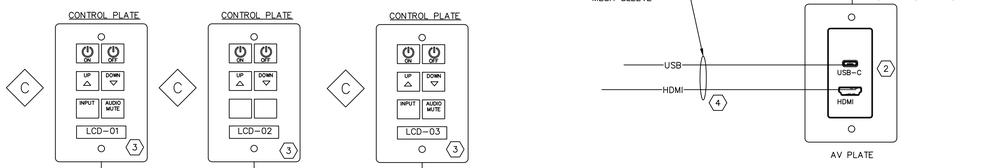
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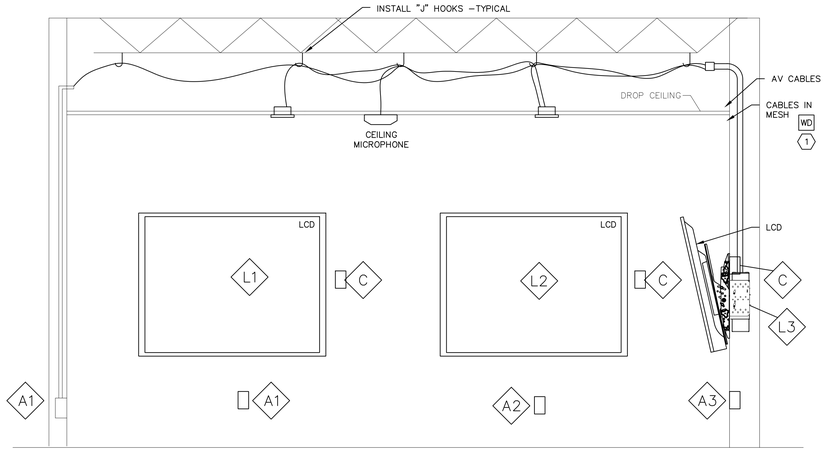
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TC301



PARTS

QTY	DESCRIPTION	MANUFACTURER	PART #
1	SINGLE GANG STAINLESS STEEL STYLE LINE PLATE	HUBBELL	SS26
1	HDMI WITH FEMALE PIGTAIL AND USB-C 3.0 F-F KEYSTONE	COMPREHENSIVE	WPD-HD-U3C-AW
1	HDMI CABLE TO LCD		
1	USB-C CABLE TO LCD		



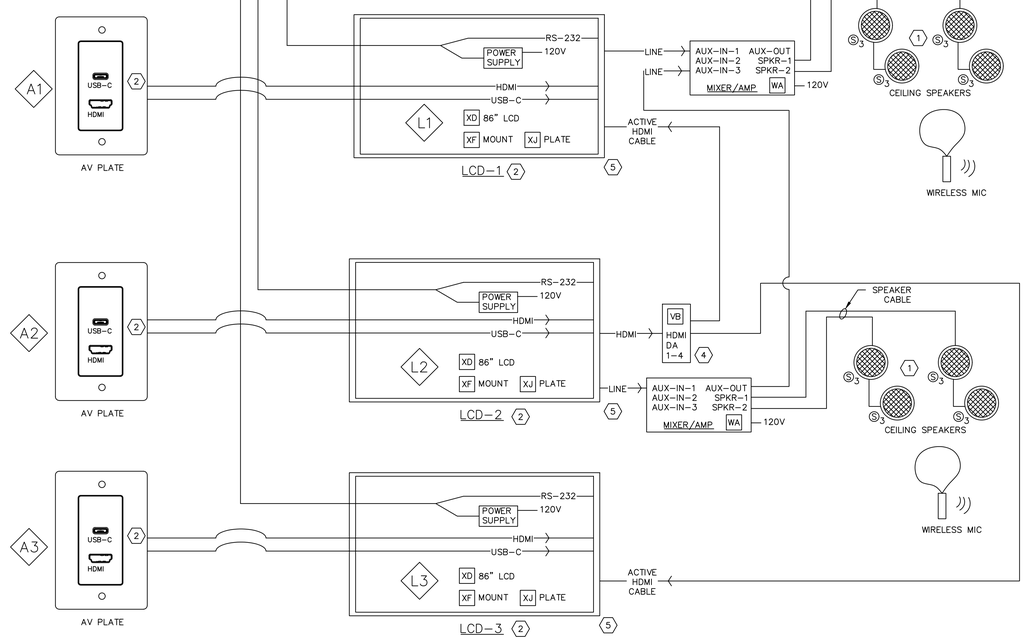
TYPICAL FOR LAY-IN CEILING CLASSROOMS

A/V NOTES:

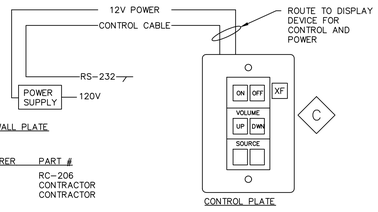
1. INSTALL ALL EQUIPMENT SHOWN. THE CONTRACTOR SHALL WALK THE BUILDING WITH THE OWNER PRIOR TO INSTALLATION TO IDENTIFY ACTUAL LOCATION OF ALL EQUIPMENT.
2. SPEAKERS SHALL BE INSTALLED WHERE SHOWN AND CONNECTED TO THE AUDIO SYSTEM THAT IS IN THE LECTERN.
3. ALL CABLES FROM THE WALL TO THE DESK SHALL BE INSTALLED INSIDE A NYLON MESH. TY/WRAP MESH AT EACH END TO SECURE BUNDLE.
4. INSTALL ALL PATCH CABLES SHOWN. CONNECT THE DEVICES AND FULLY TEST THE SYSTEM INCLUDING ALL AUDIO AND VIDEO INPUTS AND OUTPUTS.
5. WALK THE SITE TO CONFIRM ALL RACEWAYS ARE INSTALLED TO SUPPORT THE AV SYSTEM INSTALLATION. IF THE CONTRACTOR DOES NOT VERIFY ALL CONDUITS PRIOR TO THE DRYWALL GOING UP THEN THE CONTRACTOR SHALL INSTALL RACEWAY.
6. INSTALL ALL CABLES INCLUDING POWER CABLE FROM THE WALL TO THE DESK. ALL CABLES SHALL BE NO SHORTER THAN 10'
7. PROVIDE AND INSTALL ANY AND ALL BALUNS, ADAPTERS OR CABLES REQUIRED FOR CONNECTIVITY.
8. COMBINE AND UNCOMBINE THE AV SYSTEMS.
9. CREATE A LAMINATED SHEET AND ATTACH TO THE WALL AT ALL LCD'S TO DETAIL HOW TO COMBINE THE ROOMS AND HOW TO UNCOMBINE THE ROOMS
10. SETUP THE CONTROL PLATE AT LCD-1 TO INCLUDE AN AUDIO MUTE BUTTON. LABEL THE PLATES. WHEN ROOM IS COMBINED THE CONTRACTOR SHALL MUTE AUDIO COMING OUT OF LCD-1 TO THE MIXER.

KEYED NOTES:

1. PROVIDE SPEAKERS IN EACH CLASSROOM. CHECK TO SEE IF THEY ARE DROP CEILING OR OPEN CEILING PRIOR TO ORDERING. DISTRIBUTE THROUGHOUT THE ROOM TO COVER THE ENTIRE AREA.
2. INSTALL THE LCD AT THE OWNERS DIRECTION AND HEIGHT. COVER THE BACKBOX. INSTALL SO THAT IT DOES NOT COVER THE CONTROL PLATE.
3. INSTALL THE CONTROL PLATE AND CONNECT TO THE LCD. SETUP TO CONTROL VOLUME UP AND DOWN. ON CONTROL PANEL FOR LCD-1 AND LCD-3 CREATE AN AUDIO MUTE BUTTON. ON LCD-1 THIS WILL ALLOW THE AUDIO FROM LCD-2 AND TEACHER MIC TO WORK THRU THE AUDIO AMP ON LCD-1 AND WILL NOT MIX ADDITIONAL PROGRAM AUDIO FROM LCD-1
4. INSTALL AN HDMI 1/IN, 4/OUT DISTRIBUTION AMPLIFIER BEHIND THE LCD-2. INSTALL ACTIVE HDMI CABLE TO LCD-1 AND LCD-3
5. TEST CONNECTIVITY AS ONE ROOM AND TEST CONNECTIVITY AS TWO ROOMS. DEMONSTRATE HOW TO COMBINE AND UNCOMBINE TO THE OWNER. LAMINATE INSTRUCTION SHEET AND ATTACH TO EACH LCD WITH A STRING AND MOUNT ON BACK OF LCD.



1 TC302 COMBINEABLE AV ROOM THREE LCD WITH AUDIO. -CONNECTIVITY



PARTS — C — CONTROL WALL PLATE

QTY	DESCRIPTION	MANUFACTURER	PART #
1	CONTROL PLATE	KRAMER	RC-206
1	RS-232 CABLE-PLENUM		CONTRACTOR
1	POWER CABLE -PLENUM		CONTRACTOR

GENERAL NOTES:

1. INSTALL THE PLATE AND CONFIGURE AND CUSTOM LABEL FOR THE CONTROLS REQUIRED.
2. AT A STANDARD LCD IT SHOULD BE FOR ON/OFF, VOLUME UP AND DOWN AND INPUT CONTROL
3. LABEL FACEPLATE WITH INPUT NAME OR NUMBER FROM THE DISTRIBUTION AMPLIFIER
4. TEST VIDEO FROM ALL INPUTS.

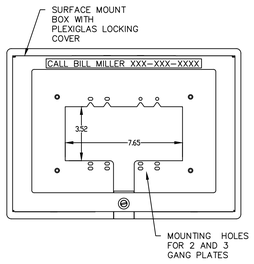
4 TC302 LCD CONTROL PLATE TYPICAL CONNECTIVITY

PARTS — TP

QTY	DESCRIPTION	MANUFACTURER	PART #
1	TOUCHPANEL	QSYS	TSC-101-G3
1	CAT-6-ORANGE	MOHAWK	M58288
1	COVERPLATE	FSR	WB-TCS-FM-10

GENERAL NOTES:

1. INSTALL CAT-6 CABLES TO THE PANEL IN THE AV ROOM/CABINET.
2. PROVIDE LOCK TO THE OWNER.
3. LABEL THE COVERPLATE WITH THE NAME AND PHONE NUMER OF THE PERSON TO CALL IN CASE OF AN ISSUE. SHALL BE ENGRAVED, PHENOLIC LABEL.



5 TC302 DUAL MICROHPONE PLATE AUDIO INPUT PLATE AND CABLING

PARTS — M1

QTY	DESCRIPTION	MANUFACTURER	PART #
1	SINGLE-GANG GANG STAINLESS STEEL PLATE	NEUTRIK	CUSTOM
2	XLR INPUTS		CONTRACTOR
2	MIC CABLES-PLENUM	CONTRACTOR	



GENERAL NOTES:

1. INSTALL PLENUM RATED MIC CABLES TO THE PANEL IN THE AV ROOM/CABINET.
2. LABEL THE PLATE WITH PHENOLIC, ENGRAVED LABELS DETAILING THE INPUT TO MATCH THE INPUT ON THE CONTROL PANEL.

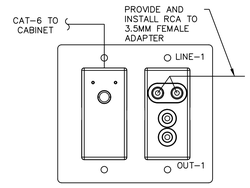
3 TC302 DUAL MICROHPONE PLATE AUDIO INPUT PLATE AND CABLING

PARTS — BT

QTY	DESCRIPTION	CONNECTIVITY CODE	MANUFACTURER	PART #
1	GFI TWO-HOLE		HUBBELL	SS262
1	CAT-6-ORANGE		MOHAWK	M58288
1	BLUETOOTH AND LINE LEVEL AUDIO TO DANTE		QSYS	UND610-BT

GENERAL NOTES:

1. INSTALL CAT-6 CABLES TO THE PANEL IN THE AV ROOM/CABINET.
2. SETUP THE BLUETOOTH PLATE TO ALLOW MULTIPLE USERS TO USE THE PLATE. REMEMBER USERS FOR EASY CONNECTIVITY.
3. LABEL THE PLATE WITH PHENOLIC, ENGRAVED LABELS DETAILING THE INPUT TO MATCH THE INPUT ON THE CONTROL PANEL.



2 TC302 BLUETOOTH AND LINE LEVEL AND MIC AUDIO INPUT PLATE AND CABLING

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PROJECT TITLE

NEW FIELD HOUSE

Dexter Community School District

DRAWING TITLE

Audio/Video Connectivity Details

ISSUE DATES

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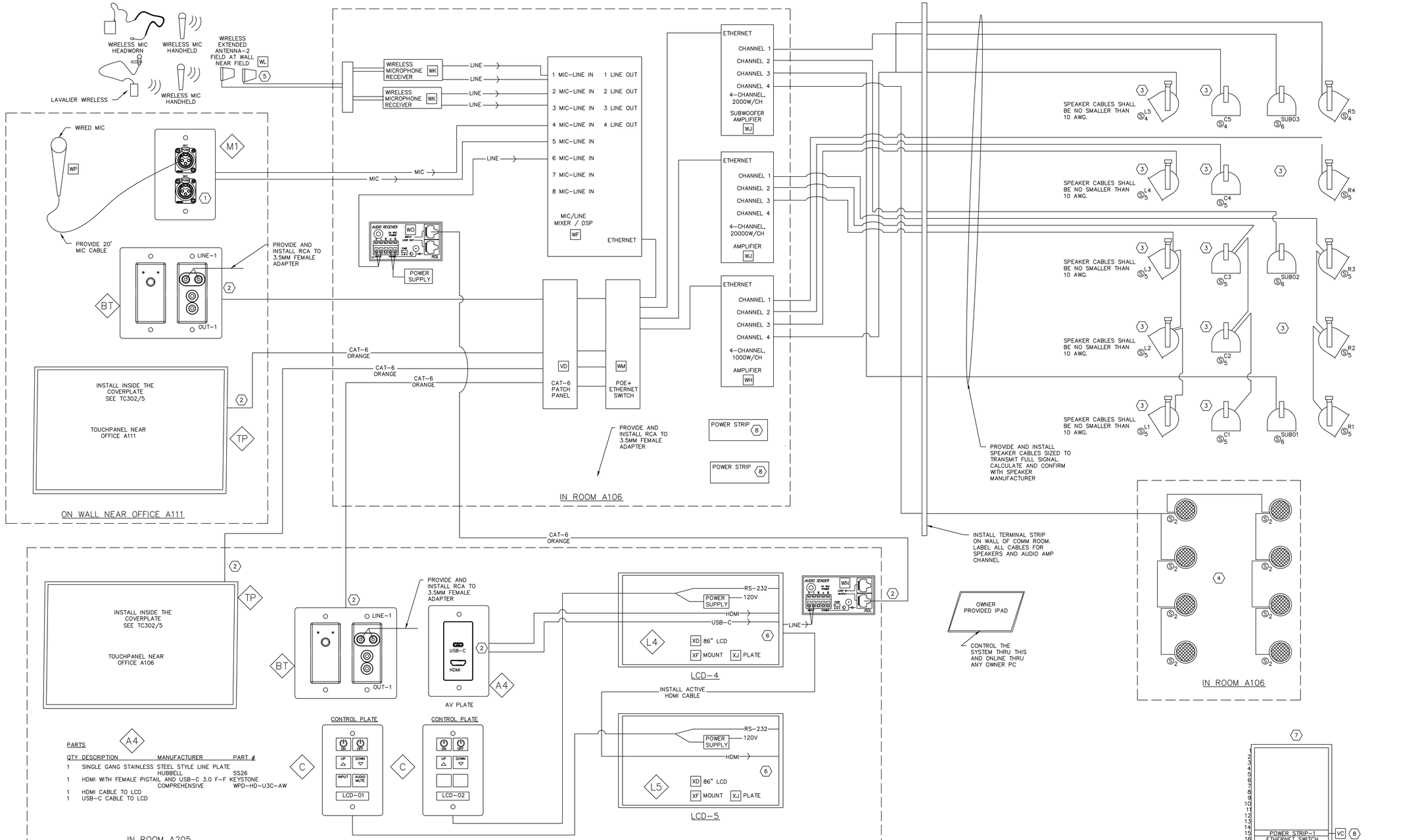
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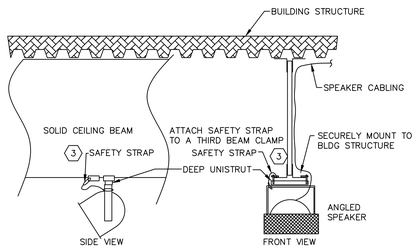
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DRAWING NO.

TC302





OPEN CEILING SPEAKER MOUNT-ANGLED OR STRAIGHT DOWN

NOTES:

1. CONTRACTOR SHALL PROVIDE AMPLIFIERS REQUIRED TO DRIVE THE AUDIO SYSTEM. QUANTITY SHOWN FOR DEMONSTRATION. DO CALCULATIONS. PROVIDE CORRECT SIZE AUDIO CABLE TO DRIVE ALL SPEAKERS. DO CALCULATIONS FOR LOSS. PROVIDE ADEQUATELY SIZED AUDIO CABLES.
2. PROVIDE SPEAKER CABLE QUANTITY AND SIZE AS REQUIRED TO RUN ALL SPEAKERS IN THE SYSTEM.
3. USE MANUFACTURERS RECOMMENDED HARDWARE FOR MOUNTING ALL SPEAKERS FROM THE BLDG. STRUCTURE. WORK WITH MANUFACTURER REGARDING MOUNTING ANGLES. CUSTOM BUILD MOUNTS.
4. LABEL ALL CONNECTION CABLES AT EACH END WITH PRE-PRINTED LABELS.
5. WHERE SPEAKER CABLES ARE SPLICED AT PULLBOXES ON THE WALL OF THE BUILDING, PROVIDE TERMINAL STRIPS. LABEL EACH SPEAKER AT EACH TERMINAL STRIP LOCATION
6. LABEL ALL PLATES WITH THE INPUT NAME AND INPUT NUMBER ON THE AUDIO DSP MIXER.
7. CONTRACTOR SHALL HANG AND AIM ALL SPEAKERS TO MAXIMIZE COVERAGE AND PROVIDE THE BEST AUDIO POSSIBLE. WORK WITH MANUFACTURER ON THE AIMING OF THE SPEAKERS. CONFIRM THRU A SUBMITTAL.
8. ALL CABLING SHALL BE PLENUM RATED. SIZE ALL CABLES TO TRANSMIT THE SIGNAL REQUIRED
9. CONFIGURE MULTI-PURPOSE ROOM AS A SEPARATE SYSTEM THAT UTILIZES THE SAME AUDIO CORE. CONFIGURE THE TWO SYSTEMS TO BE ABLE TO BE CONTROLLED FROM EITHER TOUCHPANEL.
10. CONFIGURE A VIRTUAL TOUCHPANEL IN THE SYSTEM TO ALLOW THE OWNER TO CONFIGURE THE SYSTEM AND SET THE SYSTEM FROM THEIR OWN PC.
11. SET THE SYSTEM TO A NOMINAL LEVEL SO THAT USERS THAT DO NOT HAVE THE KEY TO THE TOUCHPANEL CAN USE THE SYSTEM WITH BLUETOOTH CONNECTIVITY ONLY. SET A LOCK PIN NUMBER ON EACH TOUCHPANEL.
12. CONFIGURE THE OUTPUT OF THE LCD AUDIO TO BE PLAYED THRU THE SPEAKERS IN THE CEILING OF ROOM A106

KEYED NOTES:

1. INSTALL 1-GANG STAINLESS STEEL PLATE WITH MICROPHONE AND LINE-LEVEL INPUT. EXTEND CABLES TO THE MIXER.
2. INSTALL CAT-6 CABLE FROM THIS DEVICE TO THE PATCH PANEL IN THE COMM ROOM A205
3. ALL SPEAKERS SHALL BE SECURED TO THE STRUCTURE WITH A SAFETY STRAP EQUIPPED OF AN AIRCRAFT CABLE AND APPROPRIATE CLAMP.
4. INSTALL CEILING SPEAKERS INTO THE CEILING. PROVIDE AND INSTALL A TILE BRIDGE TO SUPPOR THE SPEAKERS FROM THE CEILING GRID AND NOT THE CEILING TILE. COORDINATE WITH LIGHTS AND HVAC IN THE CEILING TILES.
5. EXTEND THE ANTENNAS FOR THE WIRELESS MICROPHONE TO THE CEILING OF THE GYM. PROVIDE CABLES TO CONNECT.
6. MOUNT THE LCD TO THE WALL. EXTEND CONTROL CABLE TO CONTROLLER. SET CONTROLLER BUTTON PANEL TO SUPPORT ON AND OFF, VOLUME AND INPUT. BLANK OFF ALL OTHER BUTTONS
7. INSTALL ALL AUDIO EQUIPMENT INTO THE DATA RACK IN THE COMM ROOM. THIS RACK IS BEING PROVIDED BY OTHERS. COORDINATE AV EQUIPMENT WITH DATA CABLING.
8. CONNECT ALL AV EQUIPMENT TO THE POWER STRIP-1. CONNECT AMPLIFIERS TO POWER STRIP-2. PROVIDE ADDITIONAL POWER STRIPS FOR AMPLIFIERS IF REQUIRED FOR FULL LOAD
9. SEE FLOORPLAN FOR PAGING SYSTEM SPEAKERS. PROVIDE SPEAKERS IN QUANTITY AS SHOWN ON FLOORPLANS. WIRE INTO A SINGLE ZONE ON PAGING AMPLIFIER

1 TC303 FIELDHOUSE AND WEIGHT ROOM AUDIO/VIDEO SYSTEM CONNECTIVITY

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PROJECT TITLE

NEW FIELD HOUSE

Dexter Community School District

DRAWING TITLE

Audio/Video Connectivity Details

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APPROVED	BWE

PROJECT NO.

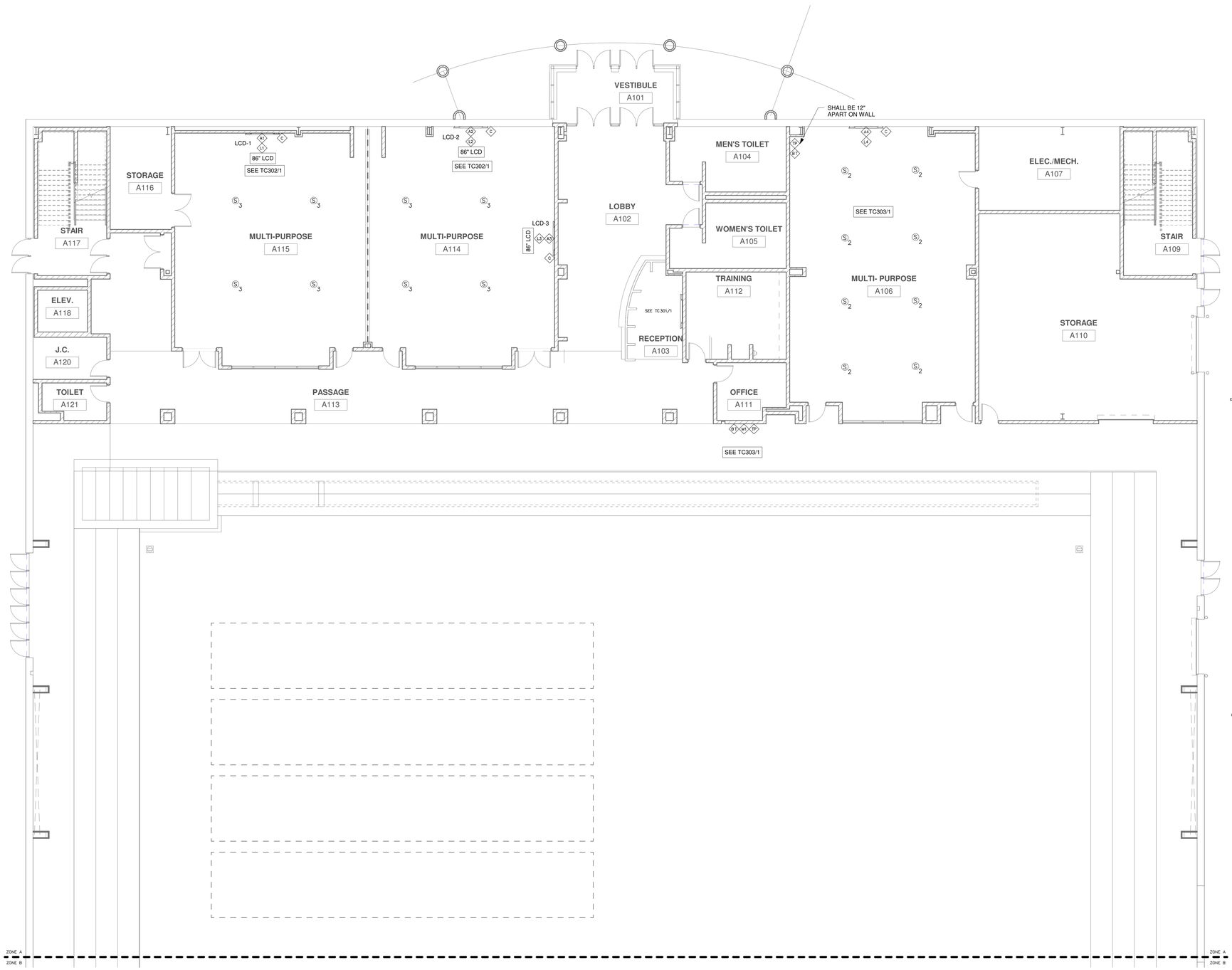
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DRAWING NO.

TC303

GENERAL AV NOTES

1. AV CONTRACTOR SHALL INSTALL ANY PASS-THRU'S REQUIRED FOR ROUTING CABLES AROUND THE BUILDING. FIRESTOP ALL PASS-THRU'S TO MEET APPLICABLE CODES.
2. CONTRACTOR SHALL COMPLETE A WALK-THRU OF THE SITE DURING CONSTRUCTION AND SHALL VERIFY ALL RACEWAYS ARE AS NOTED.
3. NOTE TO THE ELECTRICIAN ANY RACEWAYS REQUIRED THAT ARE NOT ON THE DRAWINGS OR INSTALLED
4. ALL CABLES SHALL BE SUPPORTED ABOVE THE DROP CEILING BY J-HOOKS. HOOKS SHALL BE LOCATED NO LESS THAN EVERY 5 FEET.



1 A/V FIRST FLOOR-ZONE A
1/8" = 1'-0"

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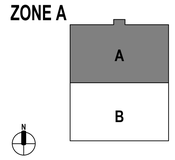
PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

FIRST FLOOR AUDIO/VIDEO - ZONE A



KEY PLAN

ISSUE DATES

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02-12-26	OWNER REVIEW
01-23-26	90% CD DOCUMENTS

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CHECKED	BVH
APPROVED	BWE

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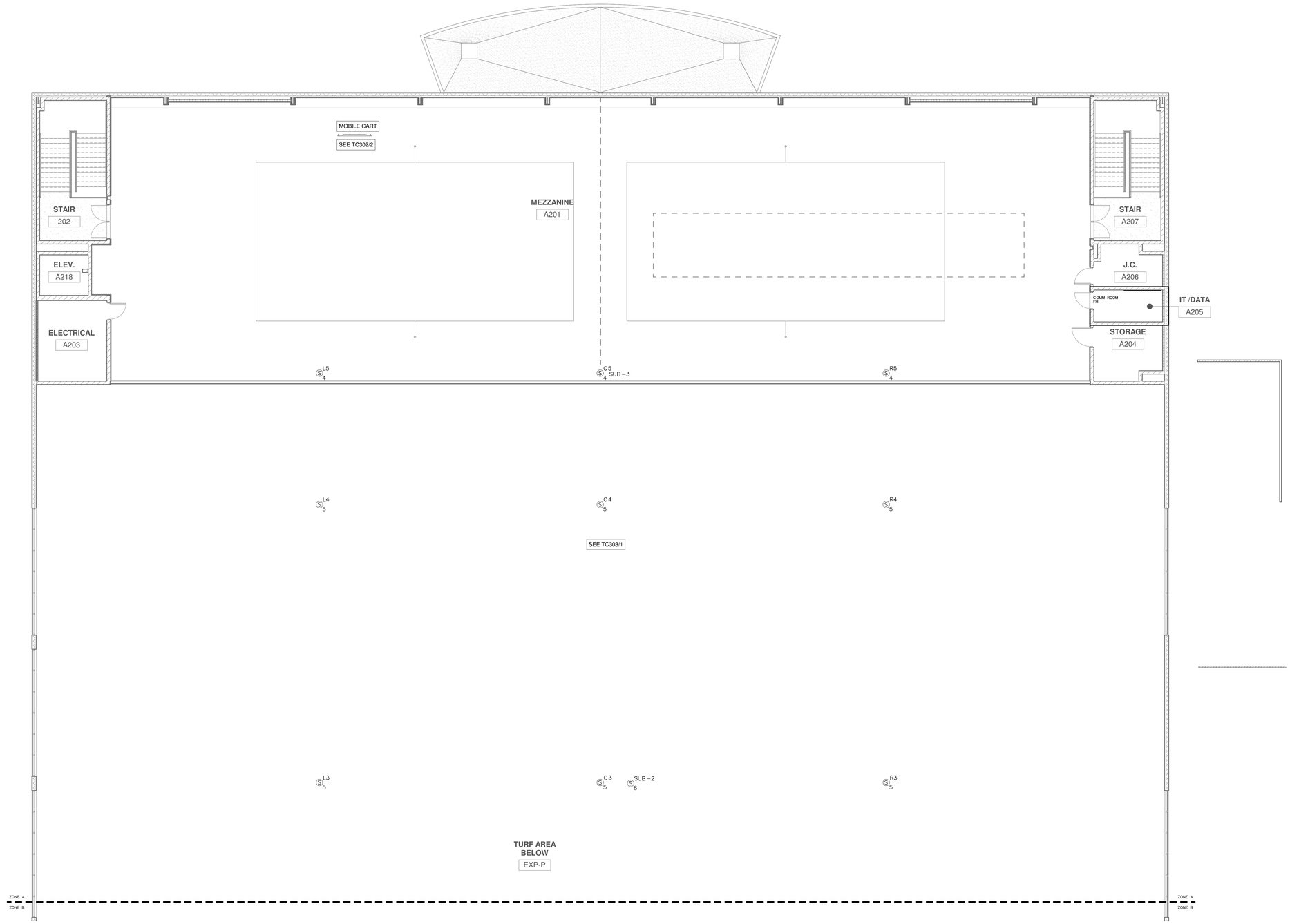
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TC401A

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GENERAL AV NOTES

1. AV CONTRACTOR SHALL INSTALL ANY PASS-THRU'S REQUIRED FOR ROUTING CABLES AROUND THE BUILDING. FIRESTOP ALL PASS-THRU'S TO MEET APPLICABLE CODES.
2. CONTRACTOR SHALL COMPLETE A WALK-THRU OF THE SITE DURING CONSTRUCTION AND SHALL VERIFY ALL RACEWAYS ARE AS NOTED.
3. NOTE TO THE ELECTRICIAN ANY RACEWAYS REQUIRED THAT ARE NOT ON THE DRAWINGS OR INSTALLED
4. ALL CABLES SHALL BE SUPPORTED ABOVE THE DROP CEILING BY J-HOOKS. HOOKS SHALL BE LOCATED NO LESS THAN EVERY 5 FEET.



1 A/V SECOND FLOOR-ZONE A
1/8" = 1'-0"

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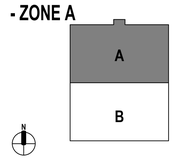
PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY
SCHOOLS
DEXTER, MI

DRAWING TITLE

SECOND FLOOR AUDIO/VIDEO - ZONE A



KEY PLAN

ISSUE DATES

DATE:	ISSUED FOR:
02-26-2026	D.R. 2 - CONSTRUCTION DOCUMENTS
02-12-26	OWNER REVIEW
01-23-26	90% CD DOCUMENTS

DRAWN	BVH
CHECKED	BVH
APPROVED	BWE

PROJECT NO.

25026E

DRAWING NO.

TC402A

Autodesk Docs://25026E_Dexter - New Field House/25026E-Tech-R2025.rvt
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GENERAL AV NOTES

1. AV CONTRACTOR SHALL INSTALL ANY PASS-THRU'S REQUIRED FOR ROUTING CABLES AROUND THE BUILDING. FIRESTOP ALL PASS-THRU'S TO MEET APPLICABLE CODES.
2. CONTRACTOR SHALL COMPLETE A WALK-THRU OF THE SITE DURING CONSTRUCTION AND SHALL VERIFY ALL RACEWAYS ARE AS NOTED.
3. NOTE TO THE ELECTRICIAN ANY RACEWAYS REQUIRED THAT ARE NOT ON THE DRAWINGS OR INSTALLED
4. ALL CABLES SHALL BE SUPPORTED ABOVE THE DROP CEILING BY J-HOOKS. HOOKS SHALL BE LOCATED NO LESS THAN EVERY 5 FEET.



1 A/V SECOND FLOOR-ZONE B
1/8" = 1'-0"

TMP ARCHITECTURE

TMP ARCHITECTURE INC

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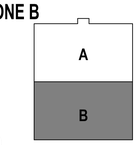
PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

SECOND FLOOR AUDIO/VIDEO - ZONE B



KEY PLAN

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SECURITY SYMBOL LEGEND

SYMBOL	DESCRIPTION
⟨1⟩	THIS SYMBOL WITH A NUMBER INSIDE REFERS TO KEYNOTES. REFER TO NOTES ON THE SHEET OR WITHIN THE DETAIL FOR ADDITIONAL INFORMATION
A	EQUIPMENT SCHEDULE. THIS SYMBOL WITH LETTERS INSIDE REFERS EQUIPMENT SCHEDULES, SEE DETAILS AND EQUIPMENT SCHEDULES ON TC101, TC301, TC501 AND TC701.
1	CABLE SCHEDULE. THIS SYMBOL WITH NUMBERS INSIDE REFERS EQUIPMENT SCHEDULES, SEE DETAILS AND EQUIPMENT SCHEDULES ON TC101, TC301, TC501 AND TC701.
⟨XX⟩	ACCESS CONTROL SYMBOL. "XX" IS LETTERS. SEE DETAILS ON TC5XX SHEETS FOR EQUIPMENT, CABLING AND RACEWAY DETAILS.
(XXX)	DOOR NUMBER
SEC.PNL	SECURITY PANEL. PROVIDE PANEL AND CONNECT AS SHOWN ON FLOORPLANS AND IN THE SPECIFICATIONS.
C	SECURITY CAMERA. PROVIDE AND INSTALL A NEW SECURITY CAMERA. SEE DETAILS ON TC5XX SHEETS.
C	SECURITY CAMERA WITH 180 DEGREE VIEWING. PROVIDE AND INSTALL A NEW SECURITY CAMERA. SEE DETAILS ON TC5XX SHEETS.
C	SECURITY CAMERA WITH 360 DEGREE VIEWING, SINGLE-IMAGER. PROVIDE AND INSTALL A NEW SECURITY CAMERA. SEE DETAILS ON TC5XX SHEETS.
C C C C	SECURITY CAMERA WITH 270 OR 360 DEGREE VIEWING, MULTI-IMAGER. PROVIDE AND INSTALL A NEW SECURITY CAMERA. SEE DETAILS ON TC5XX SHEETS.

ABBREVIATIONS

ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION
2G	TWO-GANG BOX - PROVIDED BY EC	NIC	NOT IN CONTRACT
AC	ABOVE COUNTER - INSTALL BACKBOX SAME HEIGHT AS OTHER ELECTRICAL OUTLETS ABOVE THE COUNTER.	PBO	PROVIDED BY OTHERS
AFF	ABOVE FINISHED FLOOR	PCO-1	PATCH CORD ORGANIZER - 1 UNIT HIGH
AFG	ABOVE FINISHED GROUND	PCO-2	PATCH CORD ORGANIZER - 2 UNITS HIGH
AWG	AMERICAN WIRE GAUGE	PET	PROTECTED ENTRANCE TERMINAL
EMT	EMT TYPE CONDUIT	QTY	QUANTITY
EC	ELECTRICAL CONTRACTOR		

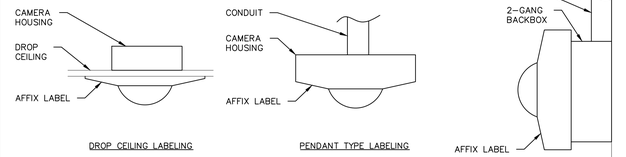
VIDEO SECURITY EQUIPMENT SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	PART NO.
SA	VIDEO SECURITY NVR SERVER AND RECORDING SOFTWARE. PROVIDE AND INSTALL A SERVER OR SERVERS WITH THE PROCESSING AND STORAGE TO MEET THE OWNERS NEED AS DETAILED ON THE DRAWINGS AND SPECS.	SEE SPECS	SEE SPECS
SB	INTERIOR/EXTERIOR IP CAMERA. 4K RESOLUTION MOUNT AS SHOWN. SEE DETAILS AND SPECIFICATIONS. SEAL AROUND CONDUIT AND MOUNT.-OBJECT ANALYTIC, INTEGRATED WITH THE VMS FOR DETECTING AND SEARCHING BASED UPON SPECIFICS SUCH AS PERSON/VEHICLE/COLOR OF CLOTHES AND COLOR OF VEHICLE	DIGITAL WATCHDOG	DWC-VSDE08Mi
SC	360 DEGREE CAMERA-SINGLE IMAGER. INTERIOR/EXTERIOR. 9 MEGAPIXEL.-OBJECT ANALYTIC, INTEGRATED WITH THE VMS FOR DETECTING AND SEARCHING BASED UPON SPECIFICS SUCH AS PERSON/VEHICLE/COLOR OF CLOTHES AND COLOR OF VEHICLE	DIGITAL WATCHDOG	DWC-PVF9DI2TW
SD	360 DEGREE CAMERA -FOUR (4) SEPARATE IMAGERS, 20 MEGAPIXEL EACH. 270 COVERAGE WITH A DOWNARDS FACING CAMERA. INDOOR/OUTDOOR. -OBJECT ANALYTIC, INTEGRATED WITH THE VMS FOR DETECTING AND SEARCHING BASED UPON SPECIFICS SUCH AS PERSON/VEHICLE/COLOR OF CLOTHES AND COLOR OF VEHICLE	DIGITAL WATCHDOG	DWC-PVX20WATX
SE	180 DEGREE CAMERA -MULTIPLE IMAGERS INDOOR RATED. -OBJECT ANALYTIC, INTEGRATED WITH THE VMS FOR DETECTING AND SEARCHING BASED UPON SPECIFICS SUCH AS PERSON/VEHICLE/COLOR OF CLOTHES AND COLOR OF VEHICLE	DIGITAL WATCHDOG	IN: DWC-XSWA08Bi OUT: DWC-XSBC08Bi

ACCESS CONTROL EQUIPMENT SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	PART NO.
CA	ACCESS CONTROL SYSTEM, SOFTWARE AND ASSOCIATED/REQUIRED SERVERS	SEE SPECS	SPECS
CB	ACCESS CONTROL ENCLOSURE. BACKPLATE AND LOCKABLE PANEL	ALTRONIX	TROVE 1/2/3
CC	POWER SUPPLY FOR ACCESS CONTROL EQUIPMENT. EQUIP WITH ETHERNET CONNECTIVITY MODULE	ALTRONIX	E-FLOW SERIES W/ LINQ2 ENET MOD.
CD	POWER DISTRIBUTION BOARD AND VOLTAGE REGULATOR. POWERS OTHER BOARDS IN THE ACCESS CTRL PANEL	ALTRONIX	PDS8 SERIES WITH VR6 REGULATOR
CE	ACCESS POWER CONTROLLER	ALTRONIX	ACMS8 OR EQUAL
CF	DOOR ACCESS CONTROL MODULE. IP ATTACHED. QTY AS REQUIRED	MERCURY	LP SERIES OR EQUAL
CG	DOOR ACCESS CONTROL MODULE. RS-485 ATTACHED. QTY AS REQUIRED	MERCURY	MR SERIES OR EQUAL
CH	BATTERY FOR ACCESS CONTROL PANEL	SEE SPECS	SEE SPECS
CJ	INTERCOM BASE STATION	AIPHONE	IX-MV7-HW-JP
CK	IP PROGRAMMABLE RELAY	AIPHONE	IXW-MAA
CL	INTERCOM -SURFACE MOUNT. EQUIP WITH CUSTOM BACKBOX AND PUSHBUTTON BELOW. CUSTOM WIRE TO SUPPORT ADA APPROVED CALL BUTTON HEIGHT	AIPHONE /ALARM CONTROLS	IX-DVF

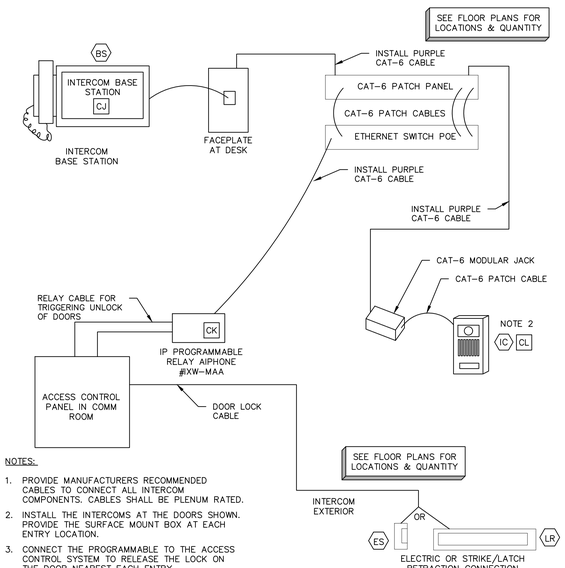
NOTES:
1. INSTALL A SELF-ADHESIVE, LASER PRINTER LABEL TO THE CAMERA THAT IS VISIBLE FROM BELOW THE DROP CEILING.
2. LABEL SHALL BE OF STRONG ADHESIVE TO ATTACH TO CAMERA HOUSING. LABEL SHALL MATCH THE CAMERA NUMBER IN THE SOFTWARE.
3. DEMONSTRATE TO THE DESIGNER THE LABEL AND WHERE THE LABEL WILL BE AFFIXED TO EACH CAMERA PRIOR TO INSTALLATION. AFFIX A LABEL TO EACH CAMERA



XX-DDD
ADHESIVE CAMERA LABEL

XX = BUILDING NAME
DDD = CAMERA NUMBER

1 TC501 CAMERA LABELING VISIBLE PORTION OF THE BUILDING



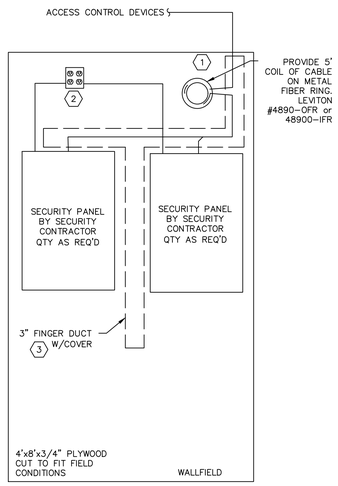
NOTES:
1. PROVIDE MANUFACTURERS RECOMMENDED CABLES TO CONNECT ALL INTERCOM COMPONENTS. CABLES SHALL BE PLENUM RATED.
2. INSTALL THE INTERCOMS AT THE DOORS SHOWN. PROVIDE THE SURFACE MOUNT BOX AT EACH ENTRY LOCATION.
3. CONNECT THE PROGRAMMABLE TO THE ACCESS CONTROL SYSTEM TO RELEASE THE LOCK ON THE DOOR NEAREST EACH ENTRY.
4. FULLY CONFIGURE THE SYSTEM TO RELEASE THE LOCK AT THE DOOR WHERE THE EXTERIOR INTERCOM IS LOCATED.
5. INSTALL CAT-6 CABLE FROM DEVICE TO THE PATCH PANEL IN EACH COMM ROOM. CABLE SHALL BE PURPLE. PROVIDE A PURPLE CAT-6 MODULAR JACK AND "BISCUIT" TYPE JACK AT EACH LOCATION.

4 TC501 ENTRY DOOR INTERCOM CONNECTIVITY DIAGRAM

NO SCALE

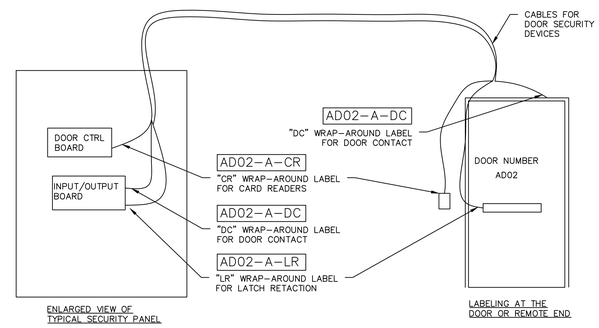
SECURITY PANEL WALLFIELD NOTES:
1. PLYWOOD SHALL BE INSTALLED ON THE WALL BEHIND THE PANELS AND RACEWAYS.
2. PLYWOOD SHALL BE FIREPROOF, A/C GRADE, C SIDE TO THE WALL.
3. INSTALL "FINGER-DUCT" TYPE RACEWAY OR D-RINGS TO ROUTE THE CABLES FROM THE CEILING TO THE PANELS.
4. MOUNT THE PANELS SO THAT THE TOP OF THE PANELS IS ABOUT 6' AFF.
5. CONNECT SECURITY PANELS TO A GROUND BAR. PROVIDE GROUND BAR ON THE WALLFIELD.

KEYED NOTES:
1. PROVIDE 5' OF CABLE PRIOR TO TERMINATION IN THE SECURITY PANEL. PROVIDE ON A FIBER OPTIC METAL RING. INSTALL ABOVE THE PANELS. PROVIDE ONE FOR EACH PANEL. GROUP PANEL CABLES ONTO PANEL SPECIFIC RING.
2. EXTEND 120V POWER TO THE POWER SUPPLIES IN THE PANELS. HARDWIRE ALL CONNECTIONS. PROVIDE CONDUIT AND WIRING FROM CLOSEST CIRCUIT.
3. PROVIDE SUPPORT FOR THE CABLES WITH "FINGER-DUCT" OR OTHER RACEWAY.



3 TC501 TYPICAL SECURITY WALLFIELD

NO SCALE



AD02 = DOOR NUMBER AS SHOWN ON DRAWINGS
A = COMM ROOM WHERE PANEL RESIDES
LR = TWO LETTER DESIGNATION FOR DEVICE THAT THE CABLE CONNECTS TO.

NOTES:
1. INSTALL A WRAP-AROUND LABEL AT EACH END OF EACH CABLE.
2. WRAP-AROUND LABELS SHALL BE LASER-PRINTED AND BE SELF-LAMINATING.
3. AT THE PANEL THE CABLE SHALL BE LABELED AS IT CONNECTS TO THE PANEL LABEL INDIVIDUAL SHEATHED CABLES IN A MULTI-SERVICE CABLE.
4. AT THE DOOR INSTALL THE LABEL AT THE DEVICE WHERE IT IS CONNECTED.

2 TC501 TYPICAL ACCESS CONTROL CABLE LABELING

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PROJECT TITLE
NEW FIELD HOUSE

Dexter Community School District

DRAWING TITLE
Security Legends, Schedules & Details

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TC501

OPERATION SEQUENCE WHEN THE DOORS ARE LOCKED ENTERING FROM OUTSIDE –VALID ID CARD

1. IF THE PERSON PRESENTS A VALID CARD THEN THE LATCH SHALL RETRACT INSIDE THE EXTERIOR DOOR
.
2. THE SECURITY SYSTEM SHALL ALLOW THE EXTERIOR PUSH BUTTON TO BE ENERGIZED. ONCE THE PUSH BUTTON IS ENERGIZED THEN THE EXTERIOR DOOR SHALL BE OPENED OF THE BUTTON IS PUSHED.

3. THE EXTERIOR AUTO OPENER CONTROL BOARD SHALL COMMUNICATE TO THE CONTROL BOARD OF THE INTERIOR DOOR AND THAT DOOR SHALL OPEN.

OPERATION SEQUENCE WHEN THE DOORS ARE UNLOCKED ENTERING FROM OUTSIDE

1. THE LATCH BOLT MONITOR SHALL NOTE THAT THE LATCH IS RETRACTED AND SHALL COMMUNICATE THAT INFORMATION TO THE CONTROL BOARD IN THE AUTO OPENER.

2. THE CONTROL BOARD SHALL ALLOW THE EXTERIOR PUSH BUTTON TO BE ENERGIZED. ONCE THE PUSH BUTTON IS ENERGIZED THEN THE EXTERIOR DOOR SHALL BE OPENED OF THE BUTTON IS PUSHED.

3. THE EXTERIOR AUTO OPENER CONTROL BOARD SHALL COMMUNICATE TO THE CONTROL BOARD OF THE INTERIOR DOOR AND THAT DOOR SHALL OPEN.

OPERATION SEQUENCE WHEN THE DOORS ARE LOCKED ENTERING FROM OUTSIDE –NO CARD OR INVALID CARD

1. IF THE PERSON PUSHES THE EXTERIOR OPENER BUTTON THEN THE AUTO OPENER SHALL NOT ENGAGE BECAUSE THE OPENER BUTTON IS NOT ENERGIZED.

2. THE EXTERIOR OPENER BUTTON IS NOT ENERGIZED UNLESS THE LATCH BOLT MONITOR NOTES THAT THE LATCH IS RETRACTED.

OPERATION SEQUENCE WHEN THE DOORS ARE LOCKED, EXITING FROM INTERIOR

1. WHEN A PERSON PUSHES THE INTERIOR OPENER BUTTON THEN THAT SHALL COMMUNICATE WITH THE INTERIOR AUTO OPENER AND OPEN THAT DOOR.

2. THE CONTROL BOARD OF THE INTERIOR AUTO OPENER SHALL COMMUNICATE WITH THE CONTROL BOARD OF THE EXTERIOR AUTO OPENER AND NOTE THAT THE INTERIOR OPENER BUTTON HAS BEEN PRESSED.

3. THE CONTROL BOARD OF THE EXTERIOR AUTO OPENER SHALL COMMUNICATE WITH THE ACCESS CONTROL SYSTEM AND INSTRUCT IT TO RETRACT THE LATCH ON THE EXTERIOR DOOR.

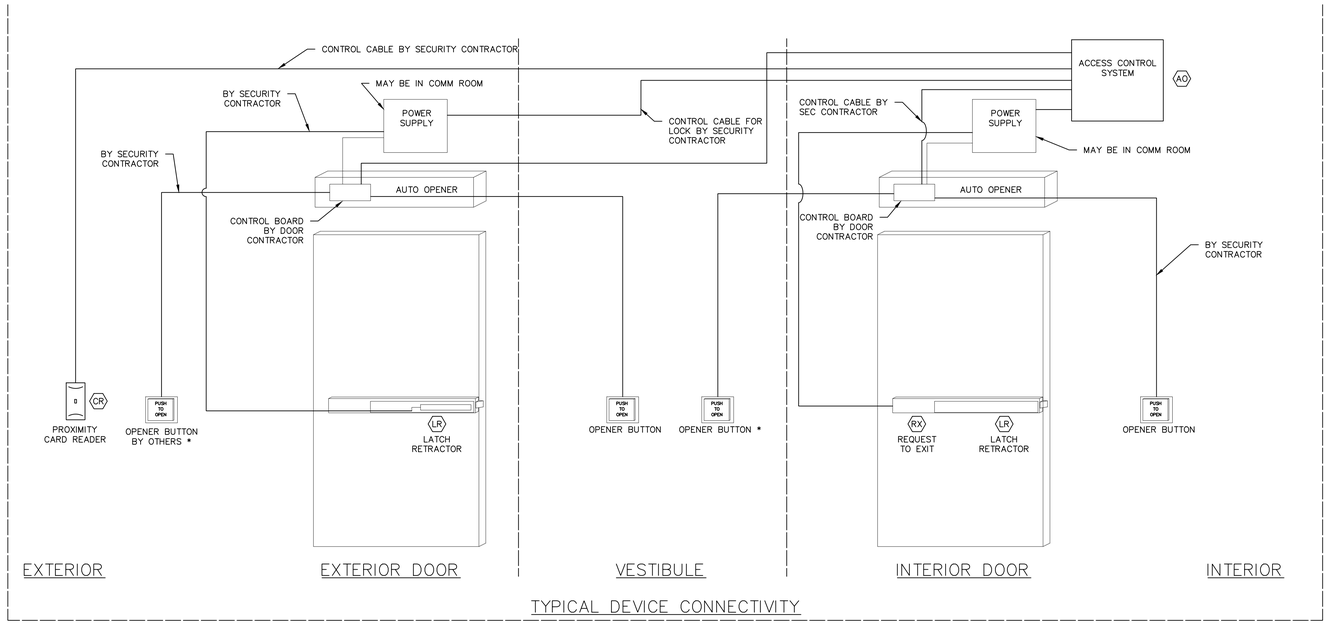
4. THE EXTERIOR CONTROL BOARD SHALL WAIT A SET NUMBER OF SECONDS AND THEN IT SHALL ENGAGE THE EXTERIOR AUTO OPENER TO OPEN THE EXTERIOR DOOR.

OPERATION SEQUENCE WHEN THE DOORS ARE LOCKED, EXITING FROM VESTIBULE

1. WHEN A PERSON PUSHES THE VESTIBULE OPENER BUTTON THEN THAT SHALL COMMUNICATE WITH THE INTERIOR AUTO OPENER AND OPEN THAT DOOR. IT SHALL ALSO COMMUNICATE WITH THE CONTROL BOARD OF THE EXTERIOR AUTO OPENER.

2. THE CONTROL BOARD OF THE EXTERIOR AUTO OPENER SHALL COMMUNICATE WITH THE ACCESS CONTROL SYSTEM AND INSTRUCT IT TO RETRACT THE LATCH ON THE EXTERIOR DOOR.

3. THE EXTERIOR CONTROL BOARD SHALL WAIT A SET NUMBER OF SECONDS AND THEN IT SHALL ENGAGE THE EXTERIOR AUTO OPENER TO OPEN THE EXTERIOR DOOR.
4.

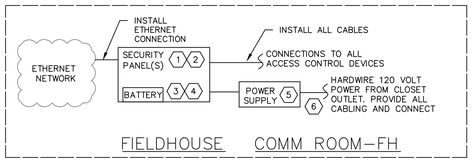


TYPICAL DEVICE CONNECTIVITY

GENERAL NOTE:

- THE OUTSIDE OPENER BUTTON WILL BE ENABLED & DISABLED BY THE ACCESS CONTROL SYSTEM. THE BUTTONS WILL BE ENABLED WHEN THE DOOR IS UNLOCKED.

1 / TC502 ADA DOOR OPENER & ACCESS CONTROL INTEGRATION DIAGRAM



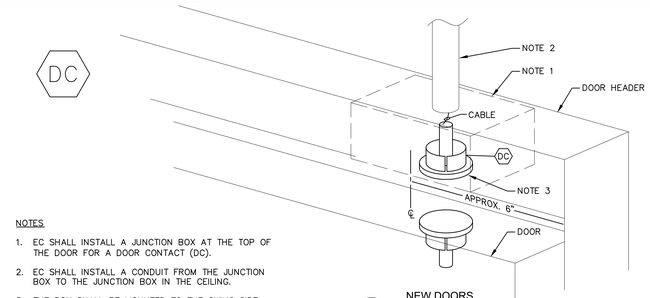
CONNECTIVITY NOTES:

1. PROVIDE THE QUANTITY OF EACH ITEM AS SHOWN ON THE DRAWINGS.
2. THE COMMUNICATIONS CONTRACTOR SHALL WORK WITH THE OWNER TO CONFIGURE THE SYSTEM TO MEET THE OWNERS REQUIREMENTS.
3. CABLES FOR CONNECTION FROM THE ACCESS CONTROL PANELS SHALL BE PLENUM RATED.
4. CONTRACTOR SHALL PROVIDE ALL CABLING FOR CONNECTION OF NEW SECURITY DEVICES. THE CABLES SHALL BE THE SAME COLOR. COORDINATE CABLE COLOR WITH OTHER CONTRACTORS SO THAT THE SECURITY CABLES ARE A UNIQUE COLOR.
5. ALL CABLES SHALL BE LABELED AT EACH END. LABEL THEM WITH THE DOOR NUMBER AND THEN FOR THE DEVICE TO WHICH THEY CONNECT. IN EXAMPLE: P124–DC.
6. THE CONTRACTOR SHALL INCLUDE SUFFICIENT TIME INTO THE PROJECT TO CUSTOM CONFIGURE THE ACCESS CONTROL SYSTEM TO INTERFACE AND CONTROL EACH SYSTEM SHOWN ON THE DIAGRAM AND DESCRIBED IN THE SPECIFICATIONS.
7. PROVIDE THE QUANTITY OF BADGES/FOBS/MOBILE CREDENTIALS AS NOTED. PRINT ALL PROXIMITY CARDS AS PER THE OWNERS DIRECTION.

KEYED NOTES:

1. ACCESS CONTROL PANELS SHALL BE LOCATED WHERE SHOWN ON THE DRAWINGS. CONNECT ALL DEVICES TO THESE PANELS. ALSO PROVIDE CABLING TO CONNECT THE PANELS TO THE ETHERNET SWITCHES IN THE RACKS.
2. WHERE MORE THAN ONE PANEL IS AT THE SAME LOCATION, THE CONTRACTOR CAN CONNECT ONE PANEL TO THE ETHERNET NETWORK AND CONNECT THE OTHER PANELS TO THE ETHERNET CONNECTED PANEL.
3. THERE WILL BE PANELS IN ONE OR MORE COMMUNICATIONS ROOMS. SEE THE FLOORPLANS FOR SUGGESTED PANEL LOCATIONS. INSTALL PANELS AS NOTED AND AS REQUIRED FOR COMPLETE CONNECTIVITY. CONNECT TO THE DATA NETWORK AND OTHER ACCESS CONTROL PANELS.
4. INSTALL BATTERY BACKUP TO EACH PANEL TO SUPPORT DURING A SHORT POWER OUTAGE. SEE SPECIFICATIONS FOR BATTERY BACKUP REQUIREMENTS.
5. THE CONTRACTOR SHALL PROVIDE A POWER SUPPLY IN THE COMMUNICATIONS ROOM TO POWER ALL THE DOOR HARDWARE.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR CONNECTING THE PANELS TO 120 VOLT POWER. CONNECT WITH A HARDWIRED CONNECTION. PROVIDE CABLING AND CONDUIT/BOXES FOR CONNECTIVITY

2 / TC502 ACCESS CONTROL DIAGRAM



NOTES

1. EC SHALL INSTALL A JUNCTION BOX AT THE TOP OF THE DOOR FOR A DOOR CONTACT (DC).
2. EC SHALL INSTALL A CONDUIT FROM THE JUNCTION BOX TO THE JUNCTION BOX IN THE CEILING.
3. THE BOX SHALL BE MOUNTED TO THE SWING SIDE OF THE DOOR SO THAT IT IS DIRECTLY OVER THE DOOR WHEN THE DOOR IS CLOSED.

3 / TC502 NEW DOORS DOOR CONTACT RACEWAY DETAIL

NO SCALE

TMP ARCHITECTURE

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PROJECT TITLE

NEW FIELD HOUSE

Dexter Community School District

DRAWING TITLE

Security Equipment Details

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TC502

ACCESS CONTROL READER DETAILS

CR	CARD READER – INSTALL TO THE BACKBOX OR IN THE DOOR FRAME. COORDINATE IN FIELD PRIOR TO ORDERING. WIRE TO SECURITY SYSTEM

ACCESS CONTROL LOCK DETAILS

LR	LATCH RETRACTION DEVICE – THIS DEVICE IS AN ELECTRONIC PUSHBAR ON THE SECURE SIDE OF THE DOOR. WIRE FROM THIS DEVICE, THROUGH THE DOOR HINGETO THE POWER SUPPLY IN THE COMMUNICATIONS ROOM. PROVIDE POWER SUPPLY
ES	ELECTRIC STRIKE – STRIKE IS PROVIDED AND INSTALLED BY DOOR CONTRACTOR. WIRE FROM THIS DEVICE TO SECURITY PANEL. PROVIDE POWER SUPPLY IN COMM ROOM.

INTERCOM / ASST. OPENER DETAILS

IC	INTERCOM – INSTALL TO THE BOX OR SURFACE MOUNT TO THE WALL. WIRE TO THE COMM ROOM VIA CAT–6 CABLE.
BS	INTERCOM BASE SYSTEM – THIS DEVICE SHALL BE INSTALLED AT THE RECEPTION DESK. WIRE TO COMM ROOM VIA CAT–6 CABLE.
AO	ASSISTED OPENER – THIS MECHANICALLY OPENS A DOOR. IT IS INSTALLED BY THE DOOR HARDWARE CONTRACTOR. COORDINATE LOCKS AND ALARMS WITH THIS OPENER AND ASSOCIATED OPENER BUTTONS. SEE SPECS. CONFIGURE TO RELEASE LOCK AND WIRE TO RELEASE LOCK PRIOR TO ENGAGING ON EXTERIOR CONTROLLED DOORS
AB	ASSISTED OPENER BUTTON– THIS BUTTON IS BY THE DOOR CONTRACTOR. IT IS NOTED FOR LOCATION. ON INTERIOR BUTTONS. WIRE TO THIS BUTTON TO MOMENTARILY UNLOCK EXTERIOR DOOR PRIOR TO ENGAGING OPENER.

ACCESS CONTROL AT DOOR DETAILS

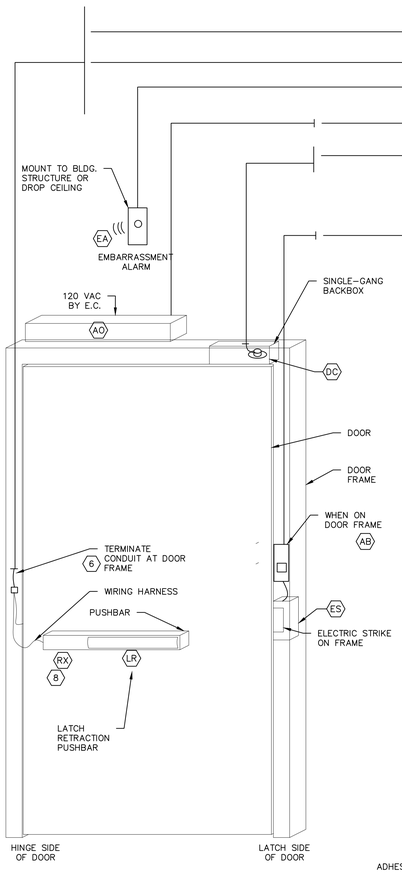
RX	REQUEST TO EXIT IN LOCK – THIS IS A SWITCH THAT IS PROVIDED WITH THE DOOR LOCKING DEVICE. WIRE TO SECURITY PANEL TO SHUNT DOOR CONTACT WHEN EXITING BLDG.
DC	DOOR CONTACT – MOUNT ABOVE THE DOOR. WIRE TO SECURITY SYSTEM/INTRUSION DETECTION SYSTEM TO TRIGGER AN ALARM
GC	GARAGE CONTACT – INSTALL AN OVERHEAD DOOR CONTACT. WIRE TO SECURITY SYSTEM/INTRUSION DETECTION SYSTEM TO TRIGGER AN ALARM
EA	PIEZO EXIT / EMBARASSMENT ALARM – LOCATE TO BUILDING STRUCTURE OR INTO DROP CEILING. WIRE TO SECURITY SYSTEM/INTRUSION DETECTION SYSTEM TO TRIGGER AN AUDIBLE ALARM WHEN A DOOR IS OPEN. CONFIGURE ON A TIME SCHEDULE.

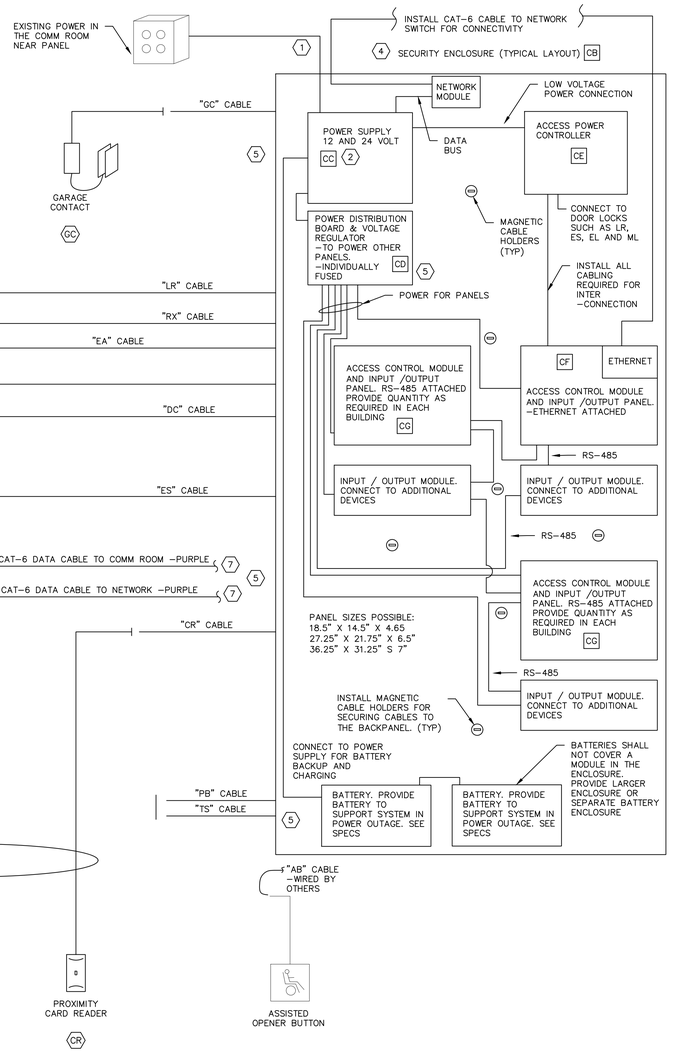
GENERAL NOTES:

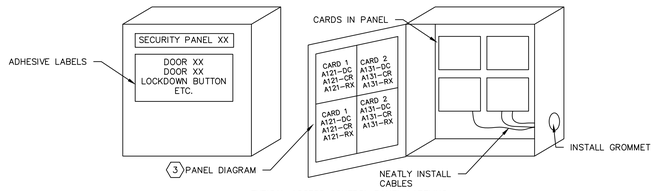
1. SEE OTHER DETAILS FOR RACEWAY REQUIREMENTS FOR ALL CABLING AND DEVICES. REFER TO THE PLAN DRAWINGS FOR THE SPECIFIC FIELD DEVICE AND WHERE IT IS TO BE INSTALLED.
2. AT SOME LOCATIONS THE CARD READER WILL HAVE TO BE INSTALLED INTO THE DOOR FRAME. PROVIDE A FRAME TYPE READER AT THESE LOCATIONS. VERIFY PRIOR TO ORDERING EQUIPMENT.
3. ALL SECURITY DEVICES SHALL BE WIRED DIRECTLY BACK TO THE SECURITY SYSTEM (ACCESS CONTROL) PANELS OR INTRUSION DETECTION PANEL. LOCATE PANELS ON THE WALLS OF COMMUNICATIONS ROOMS OR AS SHOWN ON THE FLOOR PLANS. SEE OTHER DETAILS FOR MOUNTING AND RACEWAY REQUIREMENTS FOR CABLING.
4. PROVIDE ALL SECURITY CABLES AND ALL SECURITY PANELS REQUIRED FOR CONNECTIVITY OF THE SYSTEM. SHALL BE PLENUM RATED IN PLENUM AREAS.
5. LABEL THE OUTSIDE OF THE PANEL FOR THE DOORS AND DEVICES THAT ARE CONNECTED INSIDE THE PANEL. PROVIDE A PANEL DIAGRAM INSIDE THE PANEL THAT SHOWS THE CARDS AND WHAT IS CONNECTED TO EACH PORT ON THE CARDS.
6. PROVIDE MAGNETIC CABLE SUPPORTS THROUGHOUT THE PANEL FOR SUPPORT OF CABLES AS THEY ROUTE BETWEEN CARDS IN THE PANEL.
7. INCLUDE NYLON OR PLASTIC GROMMETS IN THE PANELS WHERE CABLES ROUTE INTO THE PANELS.
8. CONNECT BATTERIES TO THE PANEL TO SUPPORT THE PANEL AND DEVICES FOR A SHORT POWER OUTAGE.

KEYED ACCESS CONTROL NOTES:

1. CONTRACTOR SHALL EXTEND POWER FROM EXISTING OUTLET TO THE POWER SUPPLIES ON THE WALL/IN THE PANEL. PROVIDE ALL RACEWAY AND WIRING FOR EXTENSION OF POWER. MAKE ALL CONNECTIONS
2. PROVIDE A POWER SUPPLY TO SUPPORT THE SECURITY PANELS AND ALL END USER DEVICES SUCH AS LOCKS, STROBES, REQUEST TO EXIT DEVICES, ALARMS ETC.
3. AFFIX A CUSTOM SHEET OF PAPER INSIDE THE PANEL DOOR THAT SHOWS WHAT DOORS OR DEVICES ARE CONNECTED TO EACH PANEL. LAMINATE OR INSTALL IN A PLASTIC SLEEVE.
4. CUT HOLE IN PANEL TO SUPPORT CABLE INSTALLATION. INSTALL A NYLON OR PLASTIC GROMMET IN THE PANEL.
5. CONNECT ALL CABLES AND DEVICES TO THE CONTROLLERS/BOARDS WITHIN THE PANEL THAT IS REQUIRED FOR CONNECTIVITY AND SYSTEM OPERATION. PROVIDE A COIL OF 5' OF CABLE ABOVE THE PANEL ON THE WALL.
6. FOR AN EL OR LR DEVICE THE DOOR HARDWARE SUPPLIER WILL PROVIDE A WIRING HARNESS FROM THE LOCK THROUGH THE HINGE AND INTO THE DOOR FRAME. SECURITY CONTRACTOR TO WIRE FROM PANEL OR POWER SUPPLY TO THE WIRING HARNESS.
7. INSTALL A CAT–6 CABLE FROM THIS LOCATION TO THE PATCH PANEL IN THE RACK IN THE COMM ROOM. CABLE AND JACKS SHALL BE PURPLE. TERMINATE WITH A CAT–6 MODULAR JACK AT EACH END.
8. CONNECT TO THE REQUEST TO EXIT (RX) TO SHUNT ALARM. SHALL BE MOUNTED TO THE SECURE SIDE OF THE DOOR.







TYPICAL ACCESS CONTROL PANEL LABELING

1 TC503 DOOR HARDWARE & SECURITY EQUIPMENT CONNECTIVITY REQUIREMENTS

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PROJECT TITLE

NEW FIELD HOUSE

Dexter Community School District

DRAWING TITLE

Access Control Diagram

ISSUE DATES

DATE:	ISSUED FOR:
02–26–2026	D.R. 2 – CONSTRUCTION DOCUMENTS

DRAWN	BVH
CHECKED	BVH
APPROVED	BWE

PROJECT NO.

25026E

DRAWING NO.

TC503

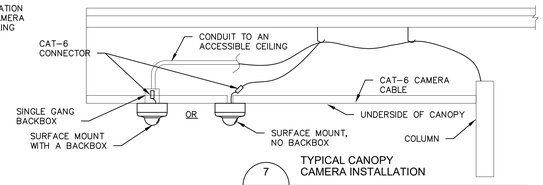
CANOPY MOUNT



SURFACE MOUNT ON ONE-LINE DIAGRAM

NOTES
1. INSTALL CAMERA TO THE UNDERSIDE OF THE CANOPY.
2. ROUTE CABLE WITHIN THE CANOPY FROM CAMERA LOCATION TO THE VERTICAL COLUMN.
3. INSTALL CABLE DOWN COLUMN, THROUGH CONDUIT AND TO THE BUILDING.
4. IF A BACKBOX IS INSTALLED THEN ATTACH TO THE BACKBOX. IF NO BACKBOX IS INSTALLED THEN ATTACH TO THE CANOPY UNDERSIDE. CUT A HOLE TO PULL CABLE DOWN TO CAMERA. COORDINATE LOCATION OF CABLE AND CAMERA PRIOR TO CEILINING BEING INSTALLED.
5. INSTALL THE PATCH CABLE FROM CAT-6 CONNECTOR TO CAMERA. SHALL BE PLENUM RATED.
6. INSTALL A LABEL ON THE CAMERA THAT IS VISIBLE FROM BELOW.

TYPICAL INSTALLATION FOR INTERIOR CAMERA IN AN OPEN CEILING PENDANT MOUNT



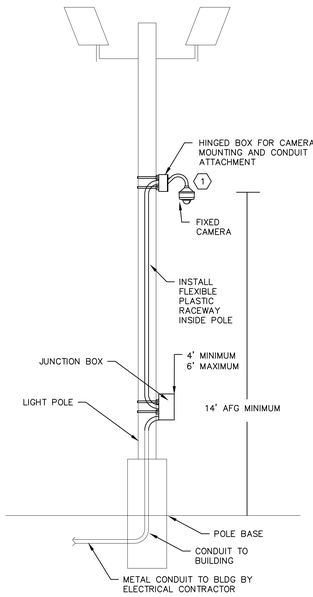
7 TC504 TYPICAL CANOPY CAMERA INSTALLATION

KEYED NOTES:

1 PROVIDE ONE (1) SURGE SUPPRESSOR FOR EACH CAT-6 CABLE THAT IS FED FROM THE POLE. CONNECT TO GROUND BAR. ENSURE DIRECTION OF ARRESTOR IS CORRECT.

GENERAL NOTES:

1. POLE IS BEING INSTALLED AS PART OF THIS PROJECT. INSTALL NEW CAMERAS WHERE SHOWN ON SITE PLAN OR CAMERA ONE LINE.
2. INSTALL JUNCTION BOX AT BOTTOM OF POLE FOR TERMINATION OF CABLE AND INSTALLATION OF LIGHTNING ARRESTOR. SEE ELECTRICAL FOR BOX SIZE.
3. INSTALL CONDUIT AND PATCH CABLE FROM JUNCTION BOX TO THE CAMERA. CONNECT CAMERA AND TEST.



CABLE INSIDE OF POLE

SEE ELECTRICAL DRAWINGS FOR ACTUAL CONDUIT REQUIREMENTS AND ROUTING

8 TC504 CAMERA POLE MOUNTING DETAIL

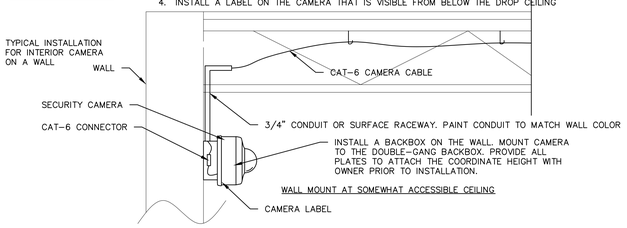
WALL/CEILING MOUNT – FIXED CEILING

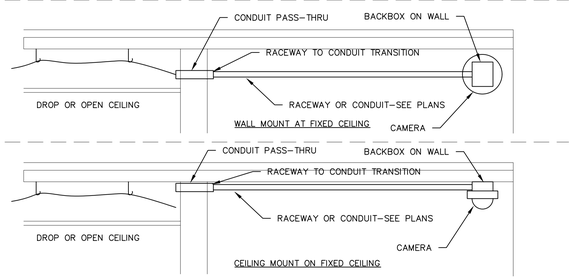


WALL/CEILING MOUNT ON ONE-LINE DIAGRAM

NOTES
1. INSTALL CAMERAS ON THE WALL. PROVIDE THE RACEWAY AND BACKBOX.
2. SEE SPECS AND DRAWINGS FOR INFORMATION ABOUT WHO INSTALLS CAT-6 CABLE FROM COMM ROOM TO CAMERA LOCATION
3. SECURITY CONTRACTOR SHALL INSTALL THE PATCH CABLE FROM CAT-6 CONNECTOR TO CAMERA. SHALL BE PLENUM RATED.
4. INSTALL A LABEL ON THE CAMERA THAT IS VISIBLE FROM BELOW THE DROP CEILING

TYPICAL INSTALLATION FOR INTERIOR CAMERA ON A WALL

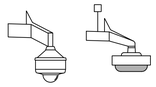




5 TC504 TYPICAL INTERIOR WALL/CEILING MOUNT CAMERA INSTALLATION

NOT TO SCALE

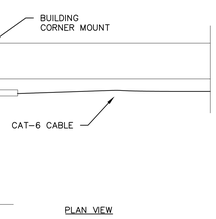
EXTERIOR CORNER MOUNT



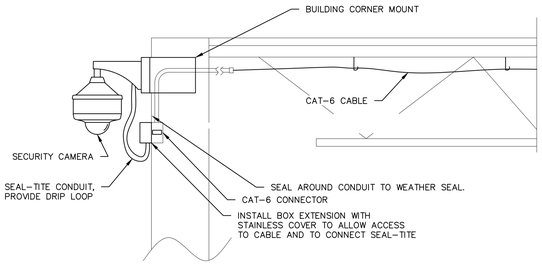
CORNER WALL MOUNT ON ONE-LINE DIAGRAM

NOTES:
1. INSTALL A CORNER MOUNT AT HEIGHT APPROVED BY OWNER.
2. INSTALL PATCH CABLE FROM CAT-6 CONNECTOR TO CAMERA. SHALL BE PLENUM RATED.
3. ALL CAMERAS SHALL BE INSTALLED WITH SEAL-TITE. SEAL AT WALL. NO CABLE SHALL BE VISIBLE. PROVIDE ALL CONNECTORS FOR SEAL-TITE

TYPICAL INSTALLATION FOR EXTERIOR CAMERA ON THE CORNER OF A BUILDING.



PLAN VIEW



ELEVATION

6 TC504 EXTERIOR CORNER, WALL MOUNT NEW BUILD. IN-WALL BOX PROVIDED

NOT TO SCALE

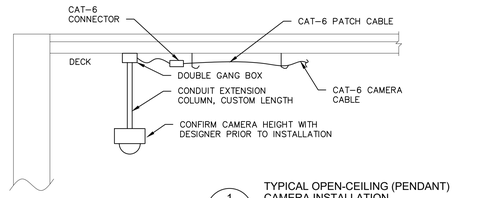
PENDANT MOUNT IN OPEN CEILING



PENDANT MOUNT ON ONE-LINE DIAGRAM

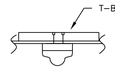
NOTES
1. INSTALL CAMERA IN A PENDANT MOUNT SUPPORTED BY CONDUIT TO THE DECK OR STRUCTURE.
2. INSTALL THE PATCH CABLE FROM CAT-6 CONNECTOR TO CAMERA. SHALL BE PLENUM RATED.
3. INSTALL A LABEL ON THE CAMERA THAT IS VISIBLE FROM BELOW.

TYPICAL INSTALLATION FOR INTERIOR CAMERA IN AN OPEN CEILING PENDANT MOUNT

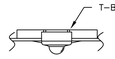


1 TC504 TYPICAL OPEN-CEILING (PENDANT) CAMERA INSTALLATION

DROP OR FIXED CEILING



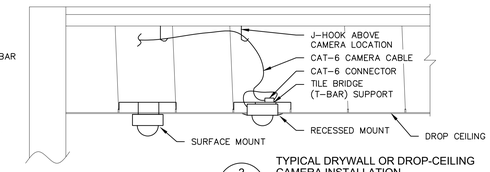
CEILING SURFACE MOUNT ON ONE-LINE DIAGRAM



CEILING RECESSED MOUNT ON ONE-LINE DIAGRAM

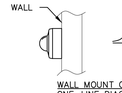
NOTES
1. INSTALL CAMERAS RECESSED IN DROP CEILING OR DRYWALL CEILING. PROVIDE THE CORRECT MOUNT.
2. SEE SPECS & DRAWINGS FOR INFORMATION ABOUT WHO INSTALLS CAT-6 CABLE FROM COMM ROOM TO CAMERA LOCATION.
3. SECURITY CONTRACTOR SHALL INSTALL THE PATCH CABLE FROM CAT-6 CONNECTOR TO CAMERA. SHALL BE PLENUM RATED.
4. INSTALL A LABEL ON THE CAMERA THAT IS VISIBLE FROM BELOW THE DROP CEILING.

TYPICAL INSTALLATION FOR INTERIOR CAMERA IN A DROP CEILING OR FIXED CEILING.



2 TC504 TYPICAL DRYWALL OR DROP-CEILING CAMERA INSTALLATION

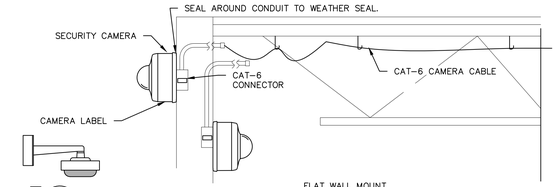
EXTERIOR/INTERIOR WALL MOUNT



WALL MOUNT ON ONE-LINE DIAGRAM

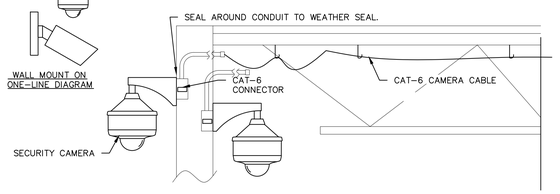
NOTES
1. INSTALL CAMERAS TO THE BACKBOX IN THE WALL. CHECK CONDUIT AND BACKBOX WITH ELECTRICIAN DURING CONSTRUCTION
2. SEE SPECS & DRAWINGS FOR INFORMATION ABOUT WHO INSTALLS CAT-6 CABLE FROM COMM ROOM TO CAMERA LOCATION.
3. SECURITY CONTRACTOR SHALL INSTALL THE PATCH CABLE FROM CAT-6 CONNECTOR TO CAMERA. SHALL BE PLENUM RATED.
4. WHERE THE CAMERA LOOKS OUT FROM THE BUILDING INSTALL THE FLAT WALL MOUNT. WHERE THE CAMERA IS SHOWN LOOKING ALONG THE BUILDING THE CONTRACTOR SHALL INSTALL THE PENDANT WALL MOUNT.

TYPICAL INSTALLATION FOR EXTERIOR CAMERA MOUNTED ON A WALL



FLAT WALL MOUNT

USE THIS MOUNT WHEN THE CAMERA IS LOOKING STRAIGHT OUT FROM THE BUILDING.



PENDANT WALL MOUNT

USE THIS MOUNT WHEN THE CAMERA IS AIMED TO PROVIDE AN IMAGE ALONG THE EXTERIOR WALL.

3 TC504 EXTERIOR OR INTERIOR WALL MOUNT NEW BUILD. BACKBOX PROVIDED

NOT TO SCALE

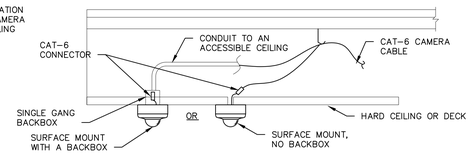
HARD CEILING



SURFACE MOUNT ON ONE-LINE DIAGRAM.

NOTES
1. INSTALL CAMERA TO THE UNDERSIDE OF THE CEILING OR STRUCTURE.
2. IF A BACKBOX IS INSTALLED THEN ATTACH TO THE BACKBOX. IF NO BACKBOX IS INSTALLED THEN ATTACH TO THE CEILING. CUT A HOLE TO PULL CABLE DOWN TO CAMERA. COORDINATE LOCATION OF CABLE AND CAMERA PRIOR TO CEILINING BEING INSTALLED.
3. INSTALL THE PATCH CABLE FROM CAT-6 CONNECTOR TO CAMERA. SHALL BE PLENUM RATED.
4. INSTALL A LABEL ON THE CAMERA THAT IS VISIBLE FROM BELOW.

TYPICAL INSTALLATION FOR INTERIOR CAMERA IN AN OPEN CEILING PENDANT MOUNT



4 TC504 TYPICAL HARD CEILING CAMERA INSTALLATION

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PROJECT TITLE

NEW FIELD HOUSE

Dexter Community School District

DRAWING TITLE

Camera Mounting Details

ISSUE DATES

DATE:	ISSUED FOR:
02-26-2026	D.R. 2 – CONSTRUCTION DOCUMENTS

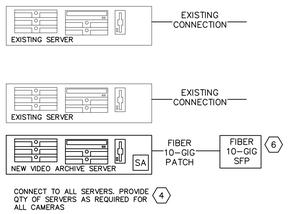
DRAWN	BVH
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APPROVED	BWE

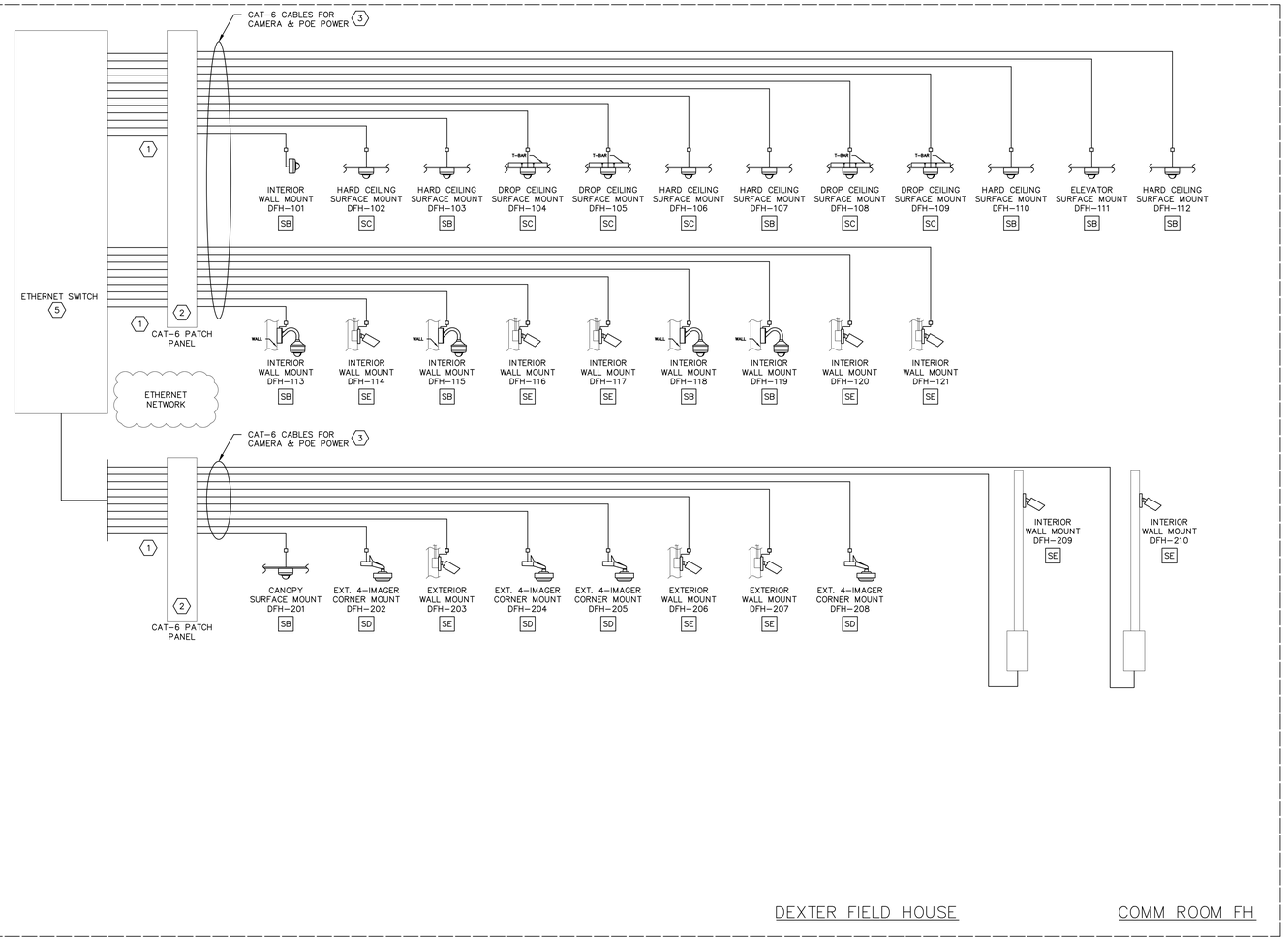
PROJECT NO.

25026E

DRAWING NO.

TC504





GENERAL VIDEO SECURITY NOTES:

1. CONTRACTOR SHALL PROVIDE ALL PATCH CABLES AT THE CAMERA AND AT THE COMM ROOM. MATCH COLOR OF CAMERA CABLE. 12" LONG AT SWITCH. 10' AT THE CAMERA
2. THE CONTRACTOR SHALL SUPPLY ANY & ALL BALUNS, COUPLERS ADAPTERS & CONVERTERS THAT ARE REQUIRED FOR THE INTER-CONNECTION OF ALL THE SECURITY COMPONENTS.
3. CONTRACTOR SHALL PROVIDE THE CORRECT CAMERA MOUNT BASED ON CAMERA LOCATION AND STRUCTURE AVAILABLE. VERIFY CAMERA LOCATION PRIOR TO ORDERING MOUNTS AND CAMERAS.
4. CAMERAS IN DROP CEILINGS SHALL BE RECESSED MOUNT. PROVIDE BACKPLATE OR T-BAR FOR SUPPORT FROM GRID, NOT JUST THE TILE.
5. WHERE THE CAMERA IS NOT INSTALLED INTO A DROP CEILING THE CONTRACTOR SHALL PROVIDE A MOUNT AND HOUSING. PROVIDE WEATHERPROOF MOUNTS ON EXTERIOR CAMERAS.
6. EXTERIOR CAMERAS SHALL BE RATED FOR OUTDOOR INSTALLATION AND SHALL PROVIDE THEIR OWN HEAT.
7. CONTRACTOR SHALL MEET WITH THE OWNER AND DETAIL ALL THE CAPABILITIES OF THE SYSTEM. THE CONFIGURATION OF THE RECORDER AND CAMERAS SHALL BE BASED ON THESE MEETINGS WITH THE OWNER. TAKE NOTES DURING THE MEETINGS. SUBMIT WITH AS-BUILTS
8. CONTRACTOR SHALL PROVIDE THE CORRECT LENS TO EACH CAMERA BASED ON THE INSTALLED LOCATION AND THE OWNERS REQUIREMENTS FOR THE FIELD OF VIEW. WORK WITH THE OWNER DURING INSTALLATION.
9. ALL CAMERAS SHALL CONNECT TO THE IP NETWORK SWITCH IN THE COMMUNICATIONS ROOM. CONTRACTOR SHALL WORK WITH THE OWNER ON CONFIGURATION OF THE ETHERNET SWITCH.
10. PRIOR TO CAMERA INSTALLATION THE CONTRACTOR SHALL CONDUCT A "GREEN-TAPE" WALK-THRU OF THE SITES WITH THE OWNER AND IDENTIFY ALL CAMERA LOCATIONS AND INSTALL TAPE AT EACH CAMERA LOCATION.
11. NETWORK VIDEO RECORDER(S) (NVR) SHALL BE PROVIDED BY THE CONTRACTOR. SEE SPECS FOR SIZING AND TYPE. SHALL BE DIGITAL WATCHDOG TO MATCH EXISTING.

KEYED VIDEO SECURITYNOTES:

1. PROVIDE ALL PATCH CABLES REQUIRED FOR CONNECTION OF ALL CAMERAS AT THE CAMERA AND AT THE NETWORK SWITCH. ALL PATCH CABLES SHALL BE MATCH CABLE COLOR
2. LABEL THE CAT-6 PATCH PANEL WITH THE CAMERA NUMBER THE CABLE CONNECTS TO. SHALL BE LASER PRINTED. SEE SPECS
3. SEE SPECIFICATIONS AND BID SCOPES TO DETERMINE WHICH CONTRACTOR IS TO INSTALL AND TERMINATE THE CAT-6 CABLES USED FOR SECURITY CAMERAS.
4. THE SERVER(S) SHALL BE LOCATED IN THE COMMUNICATIONS ROOM IN CREEKSIDE. CONTRACTOR SHALL PROVIDE A NEW SERVER OR SERVERS BASED ON THE SIZING REQUIRED IN THE SPECIFICATINS. LOAD ALL SOFTWARE REQUIRED TO RECORD AND MANAGE ALL CAMERAS THROUGHOUT THE BUILDING. PROVIDE THE QUANTITY OF SERVERS AND STORAGE AS REQUIRED TO RECORD AND VIEW ALL CAMERAS AS PER THE SPECIFICATIONS PLUS GROWTH SHOWN IN THE SPECIFICATIONS
5. THE SECURITY CONTRACTOR SHALL MEET WITH THE OWNER TO CONFIRM ALL NETWORK SPECIFICATION REQUIREMENTS FOR A VLAN OR OTHER QUALITY OF SERVICE SETTINGS FOR THE CAMERA SYSTEM
6. PROVIDE AN SFP MODULE FOR 10 GIGABIT CONNECTIVITY VIA FIBER CABLE INTO THE ETHERNET SWITCH

REFER TO THE PLANS FOR CAMERA LOCATIONS

1 / TC505 — VIDEO SECURITY DIAGRAM DEXTER FIELD HOUSE

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PROJECT TITLE

NEW FIELD HOUSE

Dexter Community School District

DRAWING TITLE

Camera One-Line

ISSUE DATES

DATE:	ISSUED FOR:
02-26-2026	D.R. 2 – CONSTRUCTION DOCUMENTS

DRAWN	BVH
CHECKED	BVH
APPROVED	BWE

PROJECT NO.

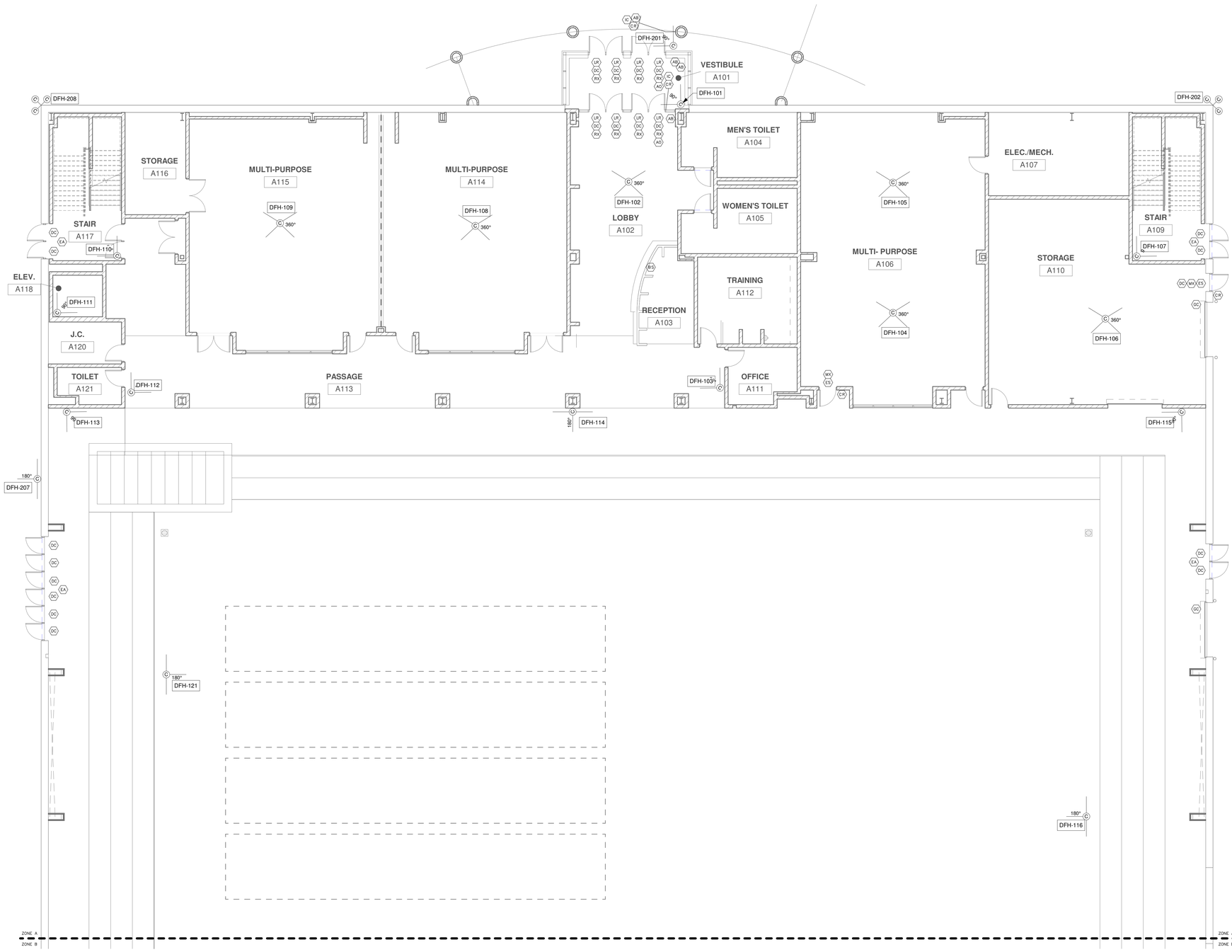
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DRAWING NO.

TC505

GENERAL SECURITY NOTES

1. SECURITY CONTRACTOR SHALL INSTALL ANY CONDUITS & PASS-THRU'S REQUIRED FOR ROUTING CABLES AROUND THE BUILDING IN ADDITION TO THOSE SHOWN.
2. CONTRACTOR SHALL COMPLETE A WALK-THRU PRIOR TO CONSTRUCTION & SHALL VERIFY ALL RACEWAYS & PATHWAYS.
3. ALL CABLES SHALL BE SUPPORTED ABOVE THE DROP CEILING BY J-HOOKS. HOOKS SHALL BE LOCATED NO LESS THAN EVERY 5 FEET.
4. WHERE A CAMERA IS MARKED AS SURFACE MOUNTED ON THE ONE-LINE, THAT CAMERA MAY BE MOUNTED TO THE CEILING OR WALL. PROVIDE A BACKBOX & RACEWAY.



1 SECURITY FIRST FLOOR-ZONE A
1/8" = 1'-0"

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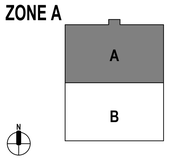
PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY
SCHOOLS
DEXTER, MI

DRAWING TITLE

FIRST FLOOR SECURITY - ZONE A



KEY PLAN

ISSUE DATES

DATE:	ISSUED FOR:
02-26-2026	D.R. 2 - CONSTRUCTION DOCUMENTS
02-12-26	OWNER REVIEW
01-23-26	90% CD DOCUMENTS

DRAWN	BVH
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APPROVED	BWE

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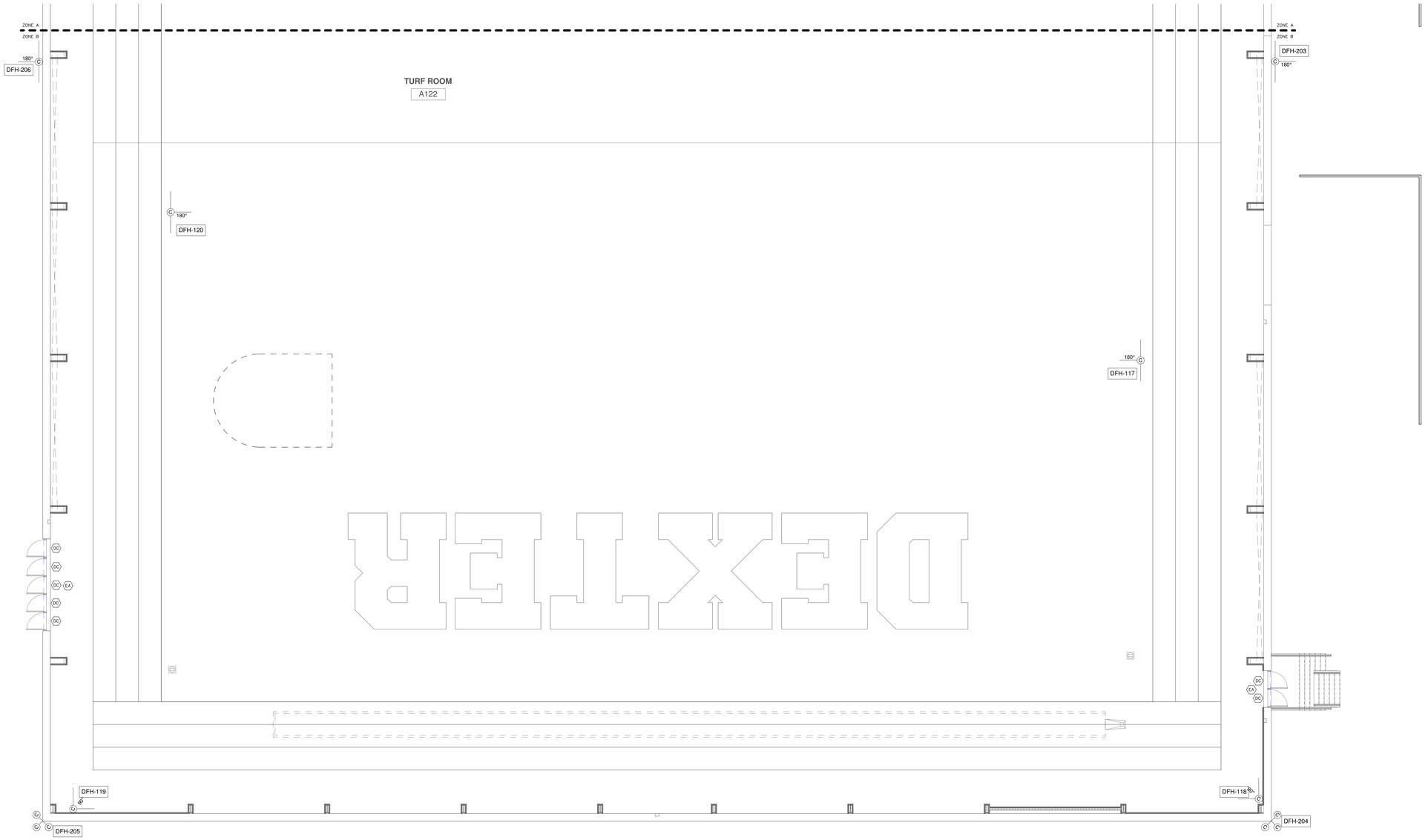
DRAWING NO.

TC601A

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GENERAL SECURITY NOTES

1. SECURITY CONTRACTOR SHALL INSTALL ANY CONDUITS & PASS-THRU'S REQUIRED FOR ROUTING CABLES AROUND THE BUILDING IN ADDITION TO THOSE SHOWN.
2. CONTRACTOR SHALL COMPLETE A WALK-THRU PRIOR TO CONSTRUCTION & SHALL VERIFY ALL RACEWAYS & PATHWAYS.
3. ALL CABLES SHALL BE SUPPORTED ABOVE THE DROP CEILING BY J-HOOKS. HOOKS SHALL BE LOCATED NO LESS THAN EVERY 5 FEET.
4. WHERE A CAMERA IS MARKED AS SURFACE MOUNTED ON THE ONE-LINE, THAT CAMERA MAY BE MOUNTED TO THE CEILING OR WALL. PROVIDE A BACKBOX & RACEWAY.



1 SECURITY FIRST FLOOR-ZONE B
1/8" = 1'-0"

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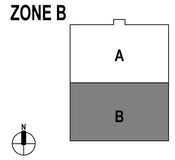
PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY
SCHOOLS
DEXTER, MI

DRAWING TITLE

FIRST FLOOR SECURITY - ZONE B



KEY PLAN

ISSUE DATES

DATE:	ISSUED FOR:
02-26-2026	D.R. 2 - CONSTRUCTION DOCUMENTS
02-12-26	OWNER REVIEW
01-23-26	90% CD DOCUMENTS

DRAWN	BVH
CHECKED	BVH
APPROVED	BWE

PROJECT NO.

25026E

DRAWING NO.

TC601B

Autodesk Docs://25026E_Dexter - New Field House/25026E-Tech-R2025.rvt
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ABBREVIATIONS

ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION
2G	TWO-GANG BOX – PROVIDED BY EC	NIC	NOT IN CONTRACT
AC	ABOVE COUNTER – INSTALL BACKBOX SAME HEIGHT AS OTHER ELECTRICAL OUTLETS ABOVE THE COUNTER.	PBO	PROVIDED BY OTHERS
AFF	ABOVE FINISHED FLOOR	PCO-1	PATCH CORD ORGANIZER – 1 UNIT HIGH
AFG	ABOVE FINISHED GROUND	PCO-2	PATCH CORD ORGANIZER – 2 UNITS HIGH
AWG	AMERICAN WIRE GAUGE	PET	PROTECTED ENTRANCE TERMINAL
EMT	EMT TYPE CONDUIT	QTY	QUANTITY
EC	ELECTRICAL CONTRACTOR		

RACEWAY SYMBOL LEGEND

SYMBOL	DESCRIPTION
(1)	THIS SYMBOL WITH A NUMBER INSIDE REFERS TO KEYNOTES. REFER TO NOTES ON THE SHEET OR WITHIN THE DETAIL FOR ADDITIONAL INFORMATION
X"	PASS THRU. CONDUIT WITH GROMMETS TO BE INSTALLED. SIZE AS NOTED. NO LESS THAN 1". SEE DETAILS ON TRXXX FLOOR PLANS AND DETAILS. SEAL PER UL REQUIREMENTS
X"	VERTICAL RISER CONDUIT WITH GROMMETS TO BE INSTALLED. SIZE AS NOTED. SEE DETAILS ON TRXXX FLOOR PLANS AND DETAILS. SEAL PER UL REQUIREMENTS
E	RACEWAY SYMBOL. SEE TRXXX SHEETS FOR DETAILS FOR RACEWAY REQUIREMENTS.

ACCESS CONTROL AT DOOR RACEWAY

RX	REQUEST TO EXIT IN LOCK – SWITCH INSIDE PUSHBAR OR ELECTRIC LATCH. INSTALL CONDUIT TO HINGE SIDE OF DOOR
DC	DOOR CONTACT – INSTALLED AT TOP OF DOOR FRAME ABOVE DOOR. INSTALL BACKBOX AT DOOR FRAME AND CONDUIT TO CEILING.
GC	GARAGE CONTACT – INSTALL AN OVERHEAD DOOR CONTACT. CONDUIT AND BACKBOX INSTALLED AT 6'6" AFF
EA	EMBARASSMENT ALARM – MOUNT TO DROP OR HARD CEILING. INSTALL CONDUIT AND BACKBOX ON WALL AT 9' AFF IF NO CEILING IS INSTALLED

ACCESS CTRL. DESK EQUP. RACEWAY

PB	PUSH BUTTON – BUTTON AT DESK TO TRIGGER AN EVENT INSTALL CONDUIT AN BACKBOX BELOW DESK
TS	TOGGLE SWITCH – TOGGLE SWITCH AT DESK. INSTALL CONDUIT AND BACKBOX BELOW DESK

INTERCOM / ASST. OPENER RACEWAY

IC	INTERCOM – DEVICE FOR AUDIO AND VIDEO CONNECTION TO UNSECURE SIDE OF DOOR. INSTALL CONDUITS AND BACKBOX.
BS	INTERCOM BASE SYSTEM – DEVICE FOR AUDIO AND VIDEO CONNECTION AT DESK. INSTALL CONDUITS AND BACKBOX TO UNDERSIDE OF DESK
AO	ASSISTED OPENER – THIS MECHANICALLY OPENS A DOOR. CONDUIT FROM OPENER TO CEILING.
AB	ASSISTED OPENER BUTTON– BUTTON TO TRIGGER ASSISTED OPENER. INSTALL CONDUIT AND BACKBOX AT 46" AFF TO CENTER. MATCH LIGHT SWITCH HEIGHT

ACCESS CONTROL READER RACEWAY

CR	CARD READER – PROXIMITY DEVICE BESIDE A DOOR. PROVIDE BACKBOX AND CONDUIT. WHERE NOTED TO BE INSTALLED ON DOOR FRAME INSTALL CONDUIT TO DOOR FRAME

ACCESS CONTROL LOCK RACEWAY

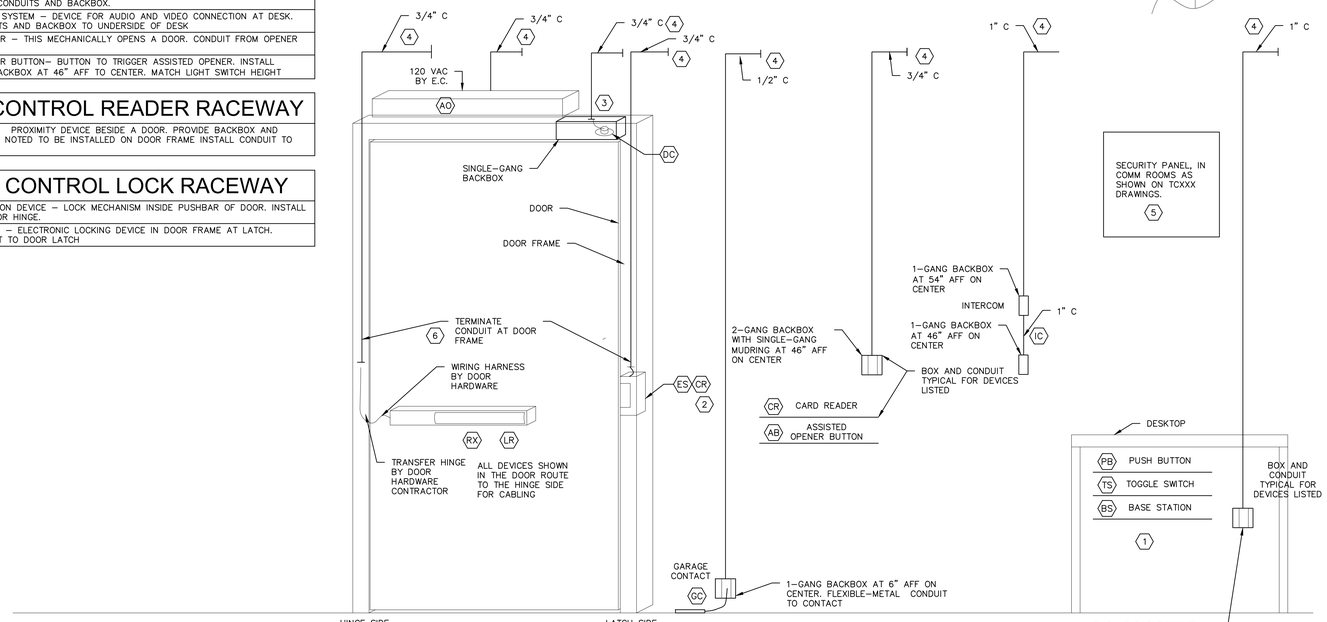
LR	LATCH RETRACTION DEVICE – LOCK MECHANISM INSIDE PUSHBAR OF DOOR. INSTALL CONDUIT TO DOOR HINGE.
ES	ELECTRIC STRIKE – ELECTRONIC LOCKING DEVICE IN DOOR FRAME AT LATCH. INSTALL CONDUIT TO DOOR LATCH

KEYED NOTES:

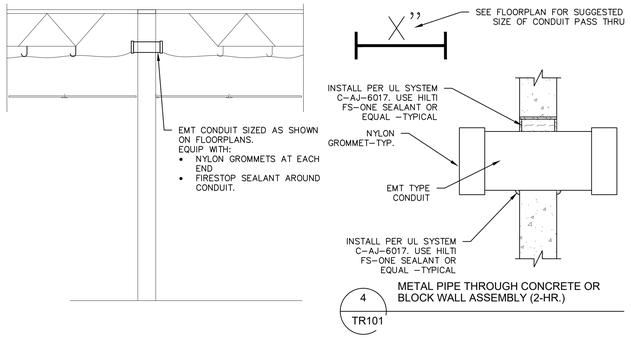
1. ONLY ONE CONDUIT AND BACKBOX IS REQUIRED WHERE THESE DEVICES ARE INSTALLED AT THE SAME DESK
2. WHEN THE "CR" IS SHOWN AS BEING ON A DOOR FRAME, DO NOT INSTALL A BACKBOX. INSTALL CONDUIT INTO THE DOOR FRAME
3. INSTALL BACKBOX FACING DOWN AT HEADER OF DOOR FOR DC AND RX. INSTALL CONDUIT TO CEILING AREA.
4. INSTALL A CONDUIT TO AN ACCESSIBLE CEILING AREA.
5. ACCESS CONTROL PANEL WILL BE INSTALLED IN THE COMM ROOM. PROVIDE POWER TO THE PANEL
6. COORDINATE LENGTH AND TERMINATION POINT OF CONDUIT WITH THE DOOR HARDWARE AND DOOR INSTALLER.

GENERAL NOTES:

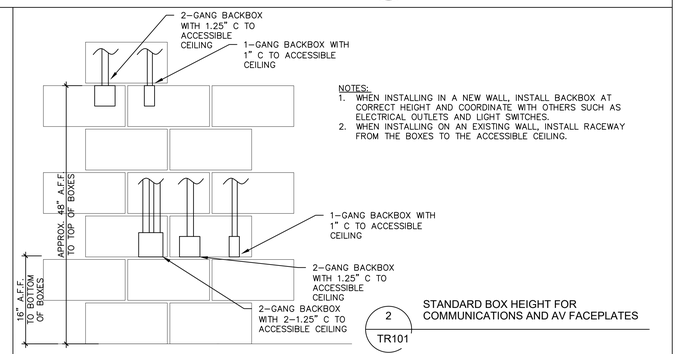
1. INSTALL RACEWAYS AND BACKBOXES AT DOORS AND DESKS FOR CONNECTION OF SECURITY AND ALARM DEVICES.
2. CONDUIT INSTALLER SHALL WORK WITH DOOR INSTALLER, DOOR HARDWARE CONTRACTOR AND SECURITY CONTRACTOR WHEN INSTALLING CONDUITS.



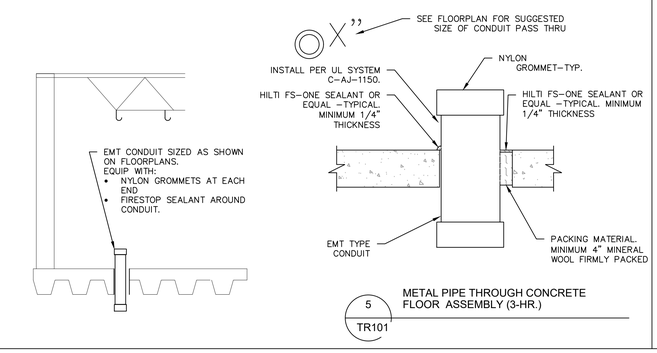
1 TR101 ACCESS CONTROL RACEWAY DETAIL



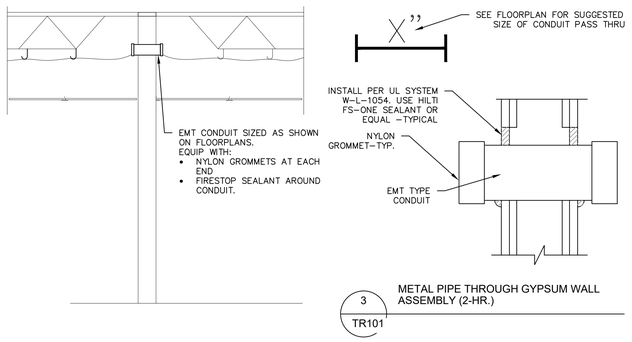
4 TR101 METAL PIPE THROUGH CONCRETE OR BLOCK WALL ASSEMBLY (2-HR.)



2 TR101 STANDARD BOX HEIGHT FOR COMMUNICATIONS AND AV FACEPLATES



5 TR101 METAL PIPE THROUGH CONCRETE FLOOR ASSEMBLY (3-HR.)



3 TR101 METAL PIPE THROUGH GYPSUM WALL ASSEMBLY (2-HR.)

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PROJECT TITLE

NEW FIELD HOUSE

Dexter Community School District

DRAWING TITLE

Raceway Legends, Schedules & Details

ISSUE DATES

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02-26-2026	D.R. 2 – CONSTRUCTION DOCUMENTS

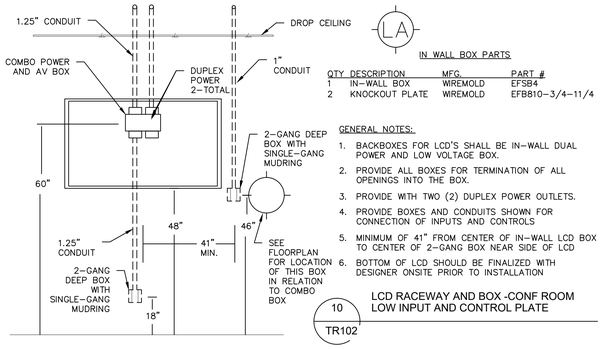
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TR101



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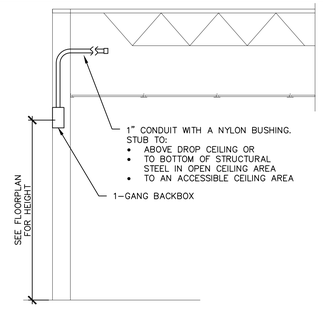
IN WALL BOX PARTS

QTY	DESCRIPTION	MFG	PART #
1	IN-WALL BOX	WIREMOLD	EFSB4
2	KNOCKOUT PLATE	WIREMOLD	EFB810-3/4-11/4

GENERAL NOTES:

1. BACKBOXES FOR LCD'S SHALL BE IN-WALL DUAL POWER AND LOW VOLTAGE BOX.
2. PROVIDE ALL BOXES FOR TERMINATION OF ALL OPENINGS INTO THE BOX.
3. PROVIDE WITH TWO (2) DUPLEX POWER OUTLETS.
4. PROVIDE BOXES AND CONDUITS SHOWN FOR CONNECTION OF INPUTS AND CONTROLS
5. MINIMUM OF 41" FROM CENTER OF IN-WALL LCD BOX TO CENTER OF 2-GANG BOX NEAR SIDE OF LCD
6. BOTTOM OF LCD SHOULD BE FINALIZED WITH DESIGNER ONSITE PRIOR TO INSTALLATION

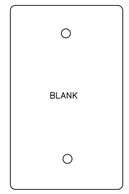
10 TR102 — LCD RACEWAY AND BOX -CONF ROOM LOW INPUT AND CONTROL PLATE



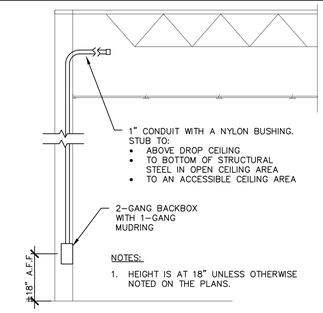
F

RACEWAY CODE

QTY	DESCRIPTION	PART #
1	SINGLE-GANG BLANK PLATE	STAINLESS STEEL



6 TR102 — CONNECTIVITY CODE



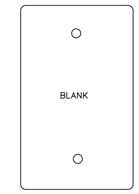
NOTES:

1. HEIGHT IS AT 18" UNLESS OTHERWISE NOTED ON THE PLANS.

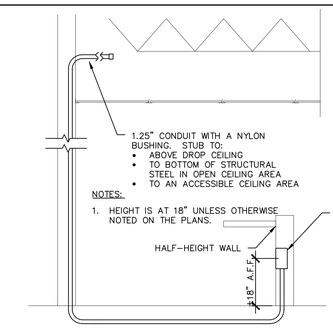
A

RACEWAY CODE

QTY	DESCRIPTION	PART #
1	SINGLE-GANG BLANK PLATE	STAINLESS STEEL



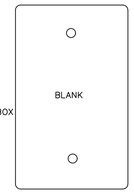
1 TR102 — RACEWAY CODE



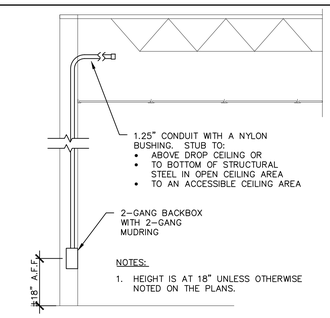
G

RACEWAY CODE

QTY	DESCRIPTION	PART #
1	SINGLE-GANG BLANK PLATE	STAINLESS STEEL



7 TR102 — RACEWAY CODE



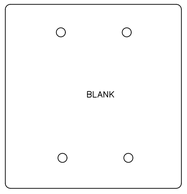
NOTES:

1. HEIGHT IS AT 18" UNLESS OTHERWISE NOTED ON THE PLANS.

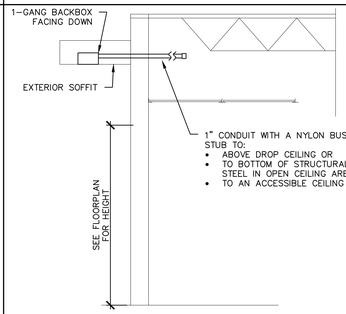
B

RACEWAY CODE

QTY	DESCRIPTION	PART #
1	DOUBLE-GANG BLANK PLATE	STAINLESS STEEL



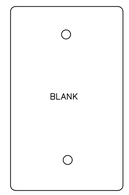
2 TR102 — RACEWAY CODE



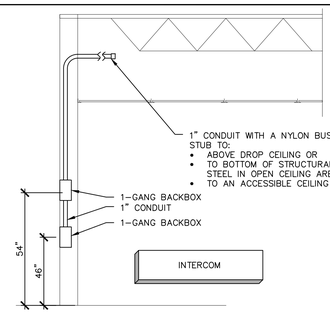
H

RACEWAY CODE

QTY	DESCRIPTION	PART #
1	SINGLE-GANG BLANK PLATE	STAINLESS STEEL



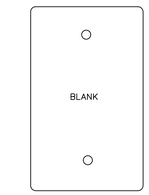
8 TR102 — CONNECTIVITY CODE



C

RACEWAY CODE

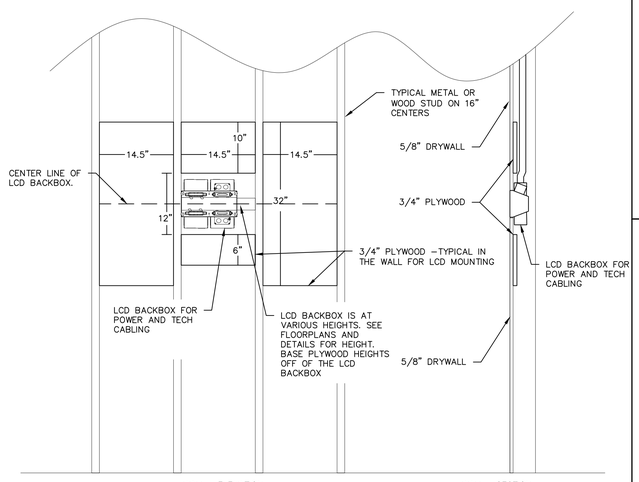
QTY	DESCRIPTION	PART #
2	SINGLE-GANG BLANK PLATES	STAINLESS STEEL



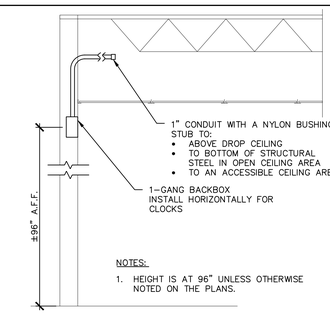
3 TR102 — RACEWAY CODE

GENERAL NOTES:

1. INSTALL 5/8" OR 3/4" PLYWOOD IN THE WALL FOR SUPPORT OF THE LCD DISPLAYS.
2. BACKBOXES FOR LCD'S ARE AT DIFFERENT HEIGHTS. SEE DETAILS AND FLOORPLANS FOR HEIGHTS.
3. INSTALL PLYWOOD AS SHOWN BETWEEN WALL STUDS. MOUNT TO THE STUDS ON EACH SIDE.
4. COORDINATE CONDUIT INSTALLATION AND DRYWALL TO PROVIDE A SMOOTH AND SUPPORTIVE INSTALLATION.
5. COORDINATE BACKBOXES AND POSSIBLE BOXES FOR INPUT AND CONTROL PLATES. INSTALL PLWOOD TO ALLOW IN-WALL BACKBOXES TO BE INSTALLED.



9 TR102 — LCD MOUNTING -TYPICAL IN-WALL BACKBOARD SUPPORT



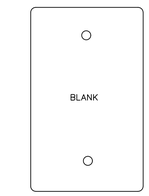
NOTES:

1. HEIGHT IS AT 96" UNLESS OTHERWISE NOTED ON THE PLANS.

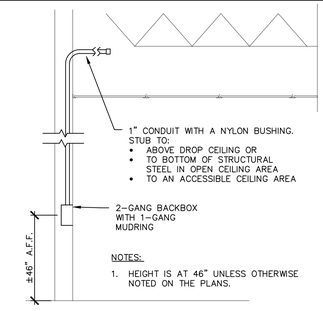
D

RACEWAY CODE

QTY	DESCRIPTION	PART #
1	SINGLE-GANG BLANK PLATE	STAINLESS STEEL



4 TR102 — RACEWAY CODE -CLOCK



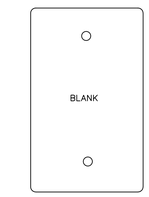
NOTES:

1. HEIGHT IS AT 46" UNLESS OTHERWISE NOTED ON THE PLANS.

E

RACEWAY CODE

QTY	DESCRIPTION	PART #
1	SINGLE-GANG BLANK PLATE	STAINLESS STEEL



5 TR102 — RACEWAY CODE

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PROJECT TITLE

NEW FIELD HOUSE

Dexter Community School District

DRAWING TITLE

New Door Access Control

ISSUE DATES

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02-26-2026	D.R. 2 - CONSTRUCTION DOCUMENTS

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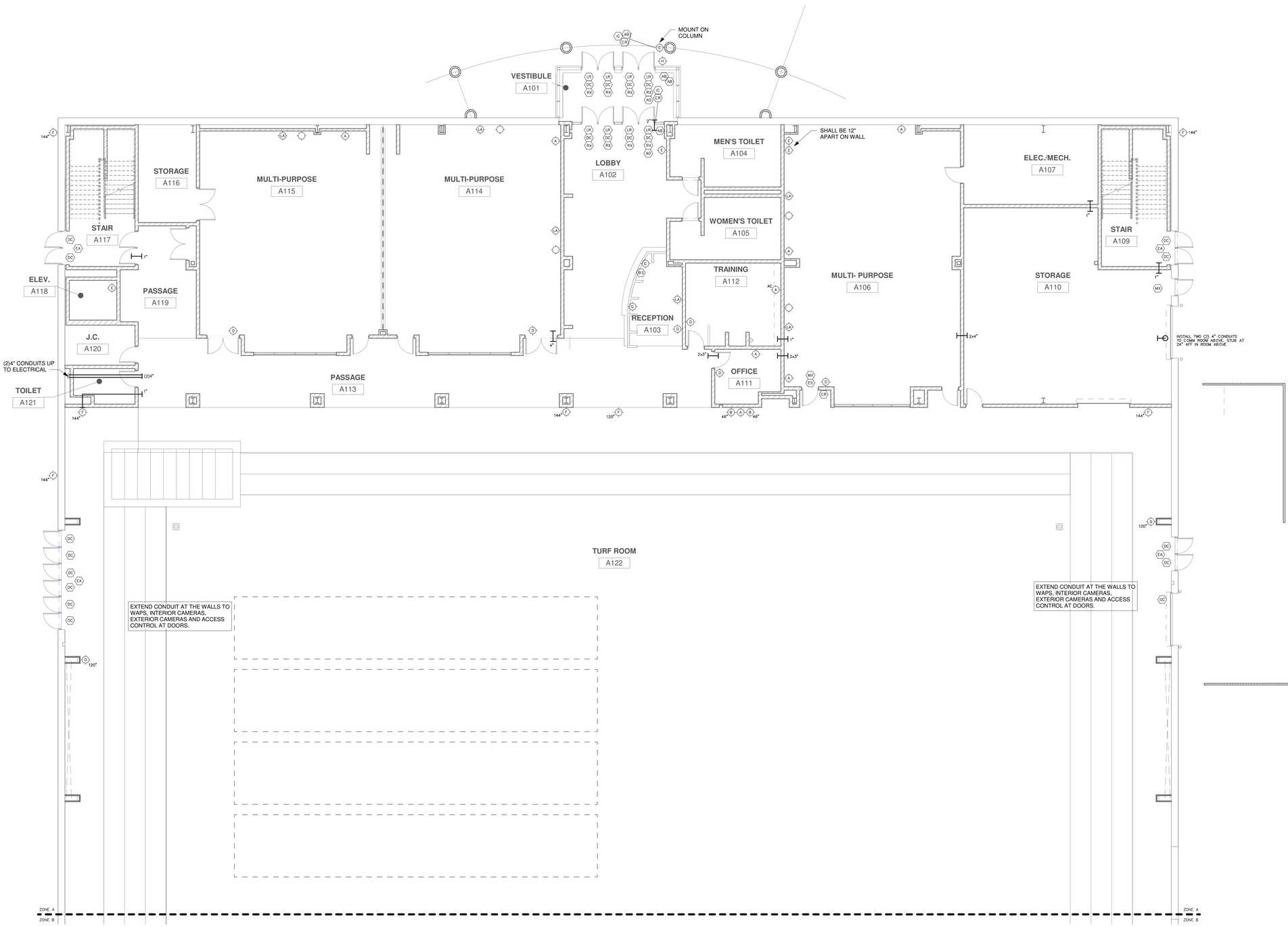
25026E

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TR102

GENERAL RACEWAY NOTES

1. SEE THE SERIES FLOOR PLANS AND DETAILS FOR ALL TECHNOLOGY RACEWAYS.
2. FLOORBOXES ARE SHOWN ON THE ELECTRICAL DRAWINGS. SEE ELECTRICAL DETAILS FOR FLOORBOX TECHNOLOGY RACEWAYS.
3. FINAL COORDINATE HEIGHT OF ALL LCD BACKBOXES WITH THE TECHNOLOGY CONTRACTOR PRIOR TO INSTALL. CONDUCT A SITE WALK THRU AND MARKUP DRAWINGS. PROVIDE TO DESIGNER FOR REVIEW PRIOR TO INSTALLATION OF RACEWAYS.
4. SEE SHEETS TR1XX FOR RACEWAY AND FIRSTOP REQUIREMENTS.
5. SEE ELECTRICAL SPECIFICATIONS FOR RACEWAY TYPE REQUIREMENTS AND INSTALLATION STANDARDS



1 RACEWAY FIRST FLOOR-ZONE A
1/8" = 1'-0"

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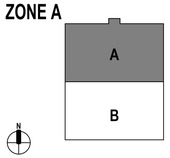
PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

FIRST FLOOR RACEWAY - ZONE A



KEY PLAN

ISSUE DATES

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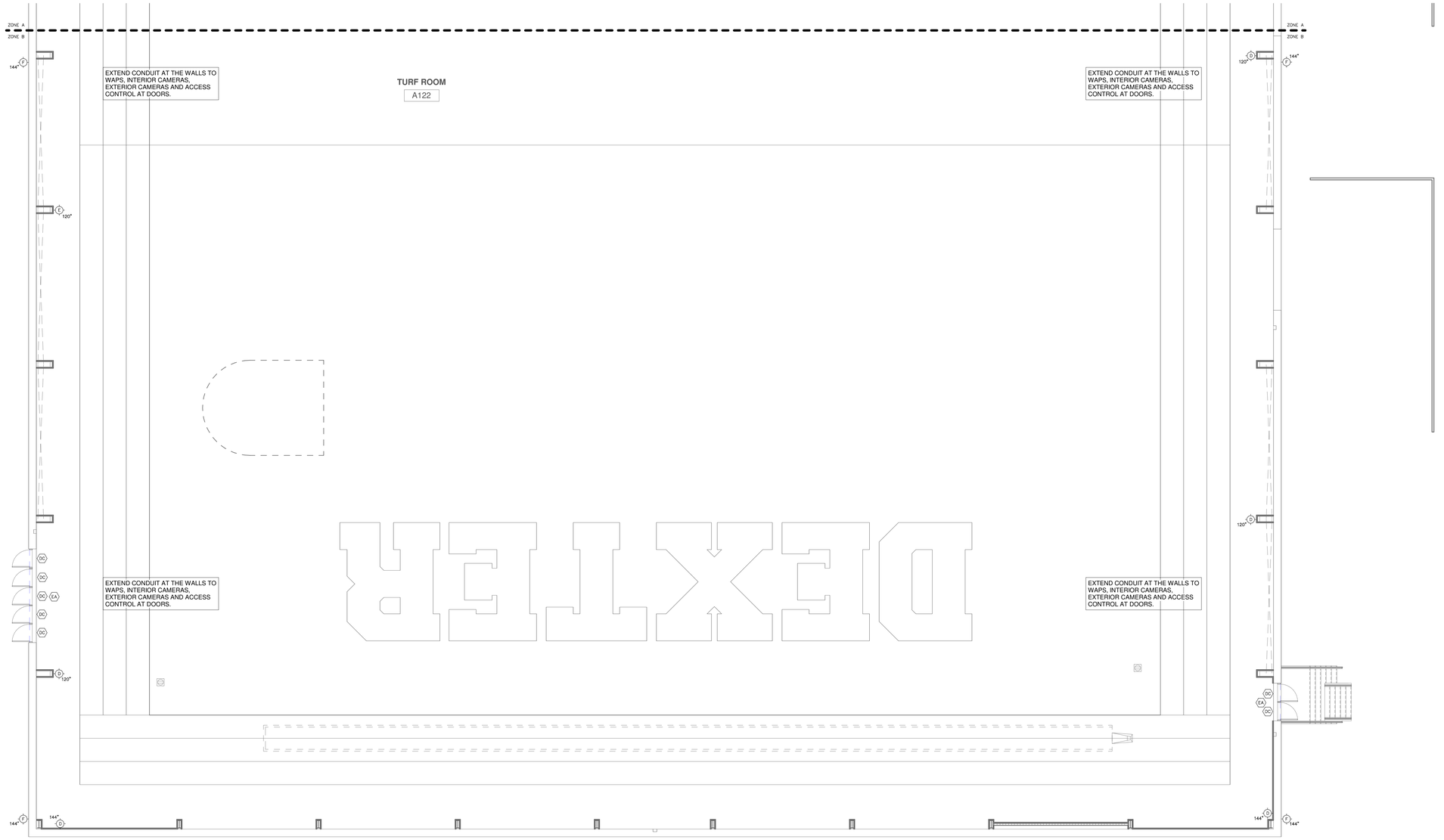
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GENERAL RACEWAY NOTES

1. SEE THE SERIES FLOOR PLANS AND DETAILS FOR ALL TECHNOLOGY RACEWAYS.
2. FLOORBOXES ARE SHOWN ON THE ELECTRICAL DRAWINGS. SEE ELECTRICAL DETAILS FOR FLOORBOX TECHNOLOGY RACEWAYS.
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4. SEE SHEETS TR1XX FOR RACEWAY AND FIRSTOP REQUIREMENTS.
5. SEE ELECTRICAL SPECIFICATIONS FOR RACEWAY TYPE REQUIREMENTS AND INSTALLATION STANDARDS



1 RACEWAY FIRST FLOOR-ZONE B
1/8" = 1'-0"

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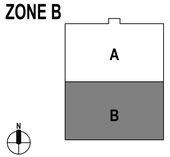
PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

FIRST FLOOR RACEWAY - ZONE B



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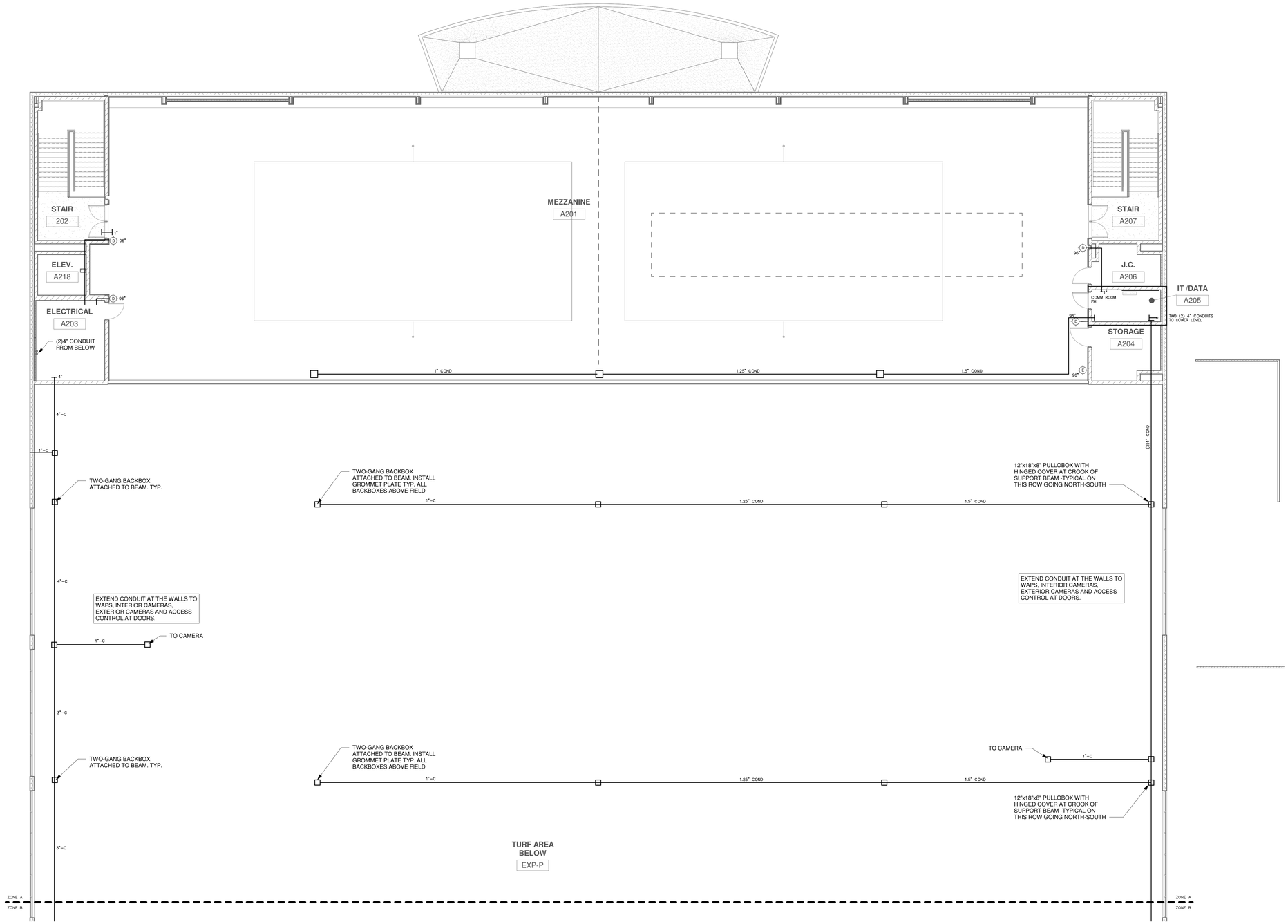
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GENERAL RACEWAY NOTES

1. SEE THE SERIES FLOOR PLANS AND DETAILS FOR ALL TECHNOLOGY RACEWAYS.
2. FLOORBOXES ARE SHOWN ON THE ELECTRICAL DRAWINGS. SEE ELECTRICAL DETAILS FOR FLOORBOX TECHNOLOGY RACEWAYS.
3. FINAL COORDINATE HEIGHT OF ALL LCD BACKBOXES WITH THE TECHNOLOGY CONTRACTOR PRIOR TO INSTALL. CONDUCT A SITE WALK THRU AND MARKUP DRAWINGS. PROVIDE TO DESIGNER FOR REVIEW PRIOR TO INSTALLATION OF RACEWAYS.
4. SEE SHEETS TR1XX FOR RACEWAY AND FIRSTOP REQUIREMENTS.
5. SEE ELECTRICAL SPECIFICATIONS FOR RACEWAY TYPE REQUIREMENTS AND INSTALLATION STANDARDS



1 RACEWAY SECOND FLOOR-ZONE A
1/8" = 1'-0"

TMP ARCHITECTURE

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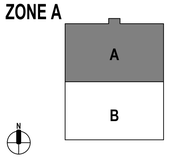
PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

SECOND FLOOR RACEWAY - ZONE A



KEY PLAN

ISSUE DATES

DATE:	ISSUED FOR:
02-26-2026	D.R. 2 - CONSTRUCTION DOCUMENTS
02-12-26	OWNER REVIEW
01-23-26	90% CD DOCUMENTS

DRAWN	BVH
CHECKED	BVH
APPROVED	BWE

PROJECT NO.

25026E

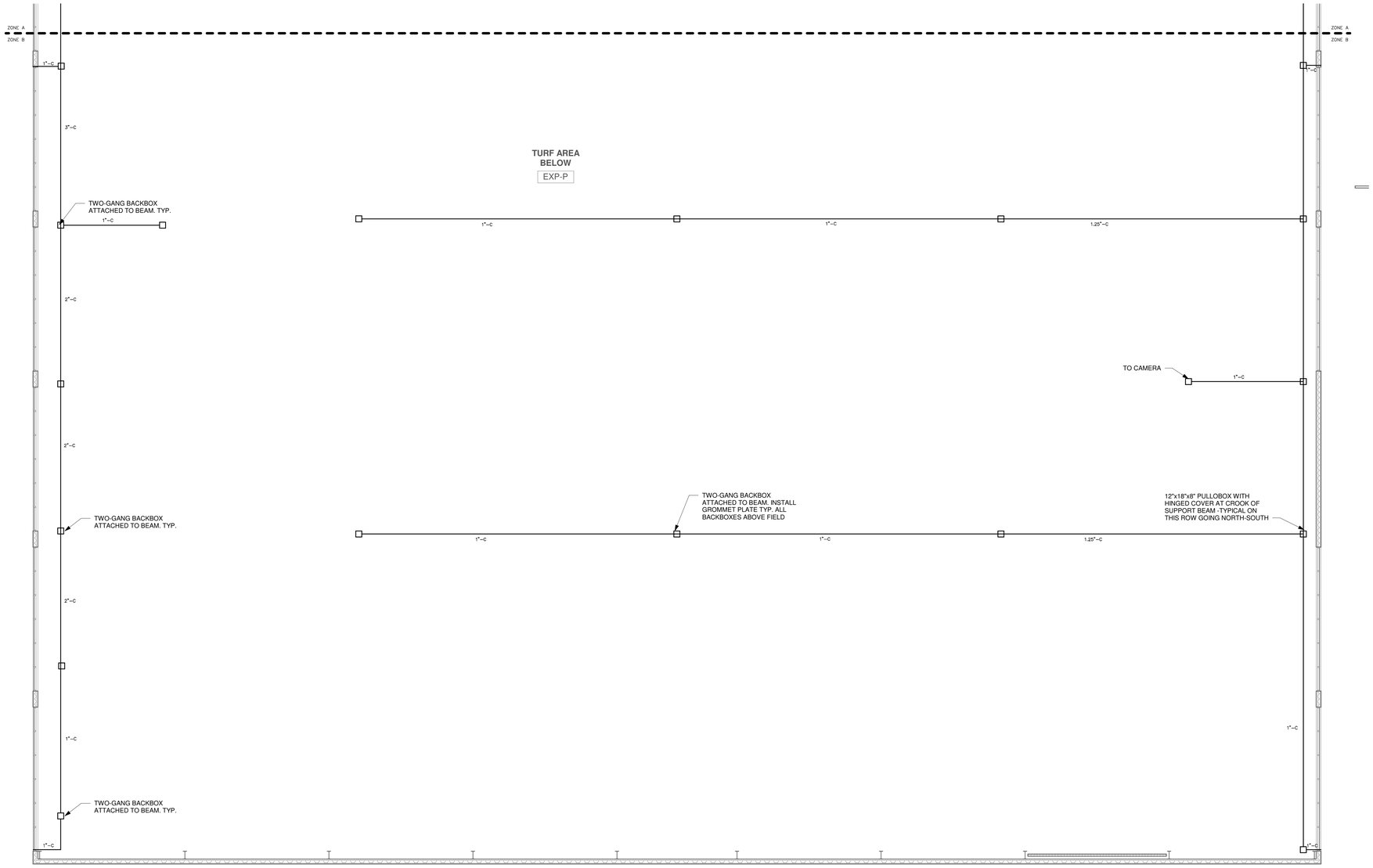
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GENERAL RACEWAY NOTES

1. SEE THE SERIES FLOOR PLANS AND DETAILS FOR ALL TECHNOLOGY RACEWAYS.
2. FLOORBOXES ARE SHOWN ON THE ELECTRICAL DRAWINGS. SEE ELECTRICAL DETAILS FOR FLOORBOX TECHNOLOGY RACEWAYS.
3. FINAL COORDINATE HEIGHT OF ALL LCD BACKBOXES WITH THE TECHNOLOGY CONTRACTOR PRIOR TO INSTALL. CONDUCT A SITE WALK THRU AND MARKUP DRAWINGS. PROVIDE TO DESIGNER FOR REVIEW PRIOR TO INSTALLATION OF RACEWAYS.
4. SEE SHEETS TR1XX FOR RACEWAY AND FIRSTOP REQUIREMENTS.
5. SEE ELECTRICAL SPECIFICATIONS FOR RACEWAY TYPE REQUIREMENTS AND INSTALLATION STANDARDS



1 RACEWAY SECOND FLOOR-ZONE B
1/8" = 1'-0"

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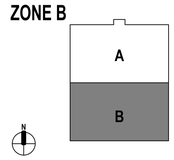
PROJECT TITLE

NEW FIELD HOUSE

DEXTER COMMUNITY SCHOOLS
DEXTER, MI

DRAWING TITLE

SECOND FLOOR RACEWAY - ZONE B



KEY PLAN

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