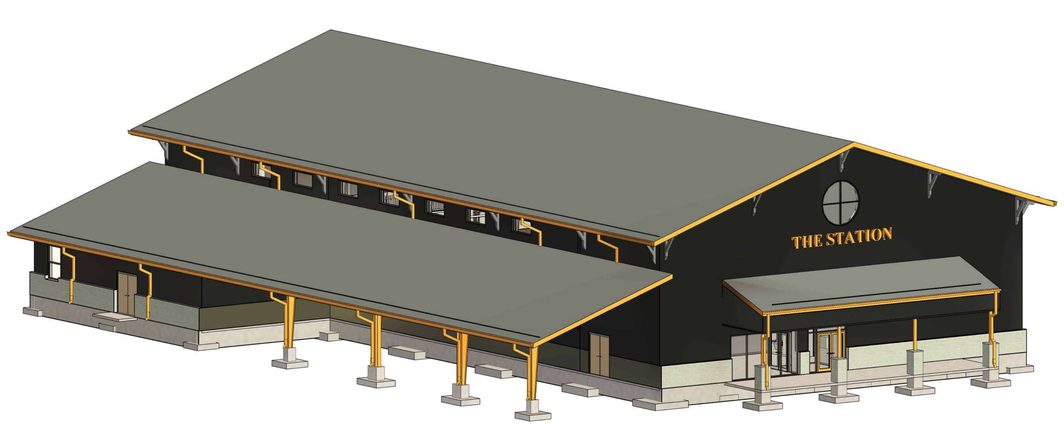
BRADFORD EVSD

ATHLETIC FACILITY

760 Railroad Ave, Bradford, OH 45308

CONSTRUCTION DOCUMENTS / PERMIT SET

July 6, 2026



RENDERING PLACE HOLDER

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VICINITY MAP

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Number	Description	Date

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CONSTRUCTION DOCUMENTS / PERMIT SET	07.06.2026

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TITLE SHEET

G001

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SYMBOLS

DRAWING TITLE
1 floor plan
SCALE |1/4" = 1'-0"
DETAIL NUMBER
DETAIL TITLE
DETAIL SCALE

SECTION
1 A101 SIM
SECTION I.D. NUMBER
NOTE (IF APPLICABLE)
SHEET WHERE SECTION IS LOCATED

ROOM
ROOM NAME
101
150 SF
ROOM NAME
ROOM NUMBER
ROOM AREA

ELEVATION
1 A101 SIM
ELEVATION I.D. NUMBER
SHEET WHERE ELEVATION IS LOCATED

DETAIL (ENLARGED)
1 A101 SIM
DETAIL I.D. NUMBER
SHEET WHERE DETAIL IS LOCATED
NOTE (IF APPLICABLE)
AREA TO BE ENLARGED

DOOR NUMBER
101
DOOR NUMBER

WINDOW
1t
WINDOW IDENTIFICATION

FINISH
XX-#
FINISH IDENTIFICATION

KEYED NOTES
3.26
KEYED NOTE DESIGNATION

REVISIONS
1
REVISION AREA
REVISION DESIGNATION

NEW DOOR

EXISTING DOOR

COLUMN LINE
17.1
GRID LINE REFERENCE

ELEVATION HEIGHT
100'-0"
T.O.S.
ELEVATION HEIGHT
ELEVATION REFERENCE

WALL
WALL TAG

MATERIAL INDICATIONS

- STRUCTURAL WOOD
- FINISHED WOOD
- PLYWOOD
- STEEL OR METAL
- CERAMIC TILE
- CEMENT, STUCCO, PLASTER, OR STONE
- RIGID INSULATION
- BATT, BLANKET, OR LOOSE FILL INSULATION
- SPRAY-APPLIED INSULATION
- GRANULAR/GRAVEL FILL
- FACE BRICK
- ACOUSTICAL TILE
- CARPET
- METAL (GREATER THAN 1" = 1'-0" SCALE)
- METAL (LESS THAN 1" = 1'-0" SCALE)
- GLASS BLOCK
- CONCRETE MASONRY UNIT (CMU)
- EARTH
- CONCRETE (SECTION)

WALL INDICATIONS

- EXISTING WALL TO REMAIN
- EXISTING WALL TO BE REMOVED
- NEW METAL STUD PARTITION
- NEW CMU MASONRY PARTITION

SHEET DESIGNATION

DISCIPLINE:
C - CIVIL
L - LANDSCAPE
A - ARCHITECTURE
M - MECHANICAL
E - ELECTRICAL
P - PLUMBING
S - STRUCTURAL
K - FOOD SERVICE

DISCIPLINE MODIFIER
SHEET NUMBER WITHIN SERIES
XX100

GENERAL NOTES

A. CONTRACTORS SHALL REVIEW THE EXISTING CONDITIONS PRIOR TO SUBMITTING PROPOSAL. NOTIFY ARCHITECT PRIOR TO SUBMITTING PROPOSAL IF CONDITIONS EXIST WHICH CONFLICT WITH THE PROPOSED WORK AND FINISHES.

B. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE SITE ACCESS, MATERIAL STAGING AREAS, AND DEMOLITION WORK FOR THE PROJECT. ALL MATERIALS AND DEBRIS SHALL BE DELIVERED AND REMOVED FROM THE SITE AS DIRECTED BY THE OWNER.

C. CONTRACTOR'S BID SHALL INCLUDE THE GREATEST QUANTITY AND QUALITY OF ALL ITEMS AND ASSEMBLIES FOR A COMPLETE AND FULLY OPERATIONAL PROJECT IN ACCORDANCE WITH OWNERS, ARCHITECTS, AND GOVERNING AUTHORITY REQUIREMENTS.

D. CONTRACTOR SHALL PROPERLY PLAN AND EXECUTE WORK RELATIVE TO AND IN CONSIDERATION OF WORK TO BE PERFORMED BY OTHERS IN ORDER TO MITIGATE ALL IMPACTING ISSUES AND CONFLICTS. NO EXTRA COSTS FOR THE LACK OF PROPER PLANNING AND EXECUTION WILL BE PERMITTED.

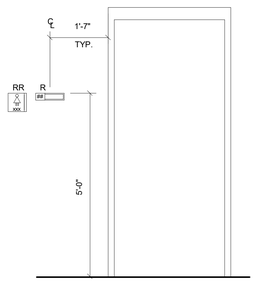
E. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING A WEATHER TIGHT BUILDING DURING CONSTRUCTION.

F. ALL CONTRACTORS SHALL BE RESPONSIBLE FOR REVIEWING THE CONTRACT DOCUMENTS WHICH INCLUDES BUT IS NOT LIMITED TO THE PLANS, SPECIFICATIONS, AND THE ADDENDA. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE BINDING AS IF REQUIRED BY ALL.

ABBREVIATIONS

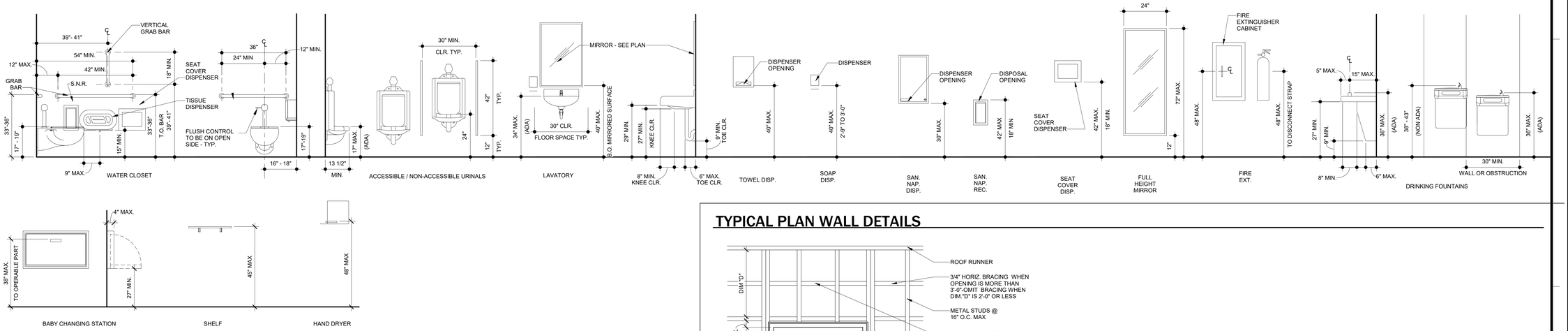
&	AND
∠	ANGLE
@	AT
℄	CENTERLINE
X'	SQUARE
#	POUND OR NUMBER
A#	AIR WITH NUMBER OF VALVES INDICATED
A/C	AIR CONDITIONING
ABI	ADDITIONAL BID ITEM
ACOUS	ACOUSTICAL
ACC	ACCESSIBLE
ACT	ACOUSTICAL CEILING TILE
AD	AREA DRAIN
ADD'L	ADDITIONAL
AED	AUTOMATED EXTERNAL DEFIBRILLATOR
ADJ.	ADJUSTABLE or ADJACENT
A.F.F.	ABOVE FINISHED FLOOR
AGGR	AGGREGATE
AL or ALUM	ALUMINUM
ALT	ALTERNATE
ANOD	ANODIZED
APROX	APPROXIMATE
ARCH	ARCHITECT (URAL)
ASB	ASBESTOS
ASC	ACID STORAGE CABINET
ASPH	ASPHALT
AUTO	AUTOMATIC
BBD	BULLETIN BOARD
BD	BOARD
BITUM	BITUMINOUS
BLDG	BUILDING
BLK	BLOCK
BLK'G	BLOCKING
BM	BEAM
BOT	BOTTOM
BRG	BEARING
BRZ	BRONZE
BSMT	BASEMENT
BSC	BIOSAFETY CABINET
C.	COURSES
CAB	CABINET
C.B.	CATCH BASIN or CHALKBOARD
CEM	CEMENT
CER	CERAMIC
CG	CORNER GUARD
CHAM	CHAMFER
CHK. BD.	CHALK BOARD
C.I.	CAST IRON
C.J.	CONTROL JOINT
C.L.	CENTER LINE
CLG	CEILING
CLKG	CAULKING
CLO	CLOSET
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CNTR	COUNTER
CO	CLEAN OUT
COL	COLUMN
COMB	COMBINATION
COMPT	COMPARTMENT
CONC	CONCRETE
CONF	CONFERENCE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
COORD	COORDINATE
CORR	CORRIDOR
CP	CLOSURE PANEL OR FINISHED PANEL
CS	CUPSINK, SEE SPECIFICATIONS FOR SIZE
CSMT	CASEMENT
CT	CERAMIC TILE
CTR	CENTER
CTSK	COUNTERSUNK
CW	COLD WATER
D	DATA
D.A.	DOOR ACTUATOR
DBL	DOUBLE
DEPT	DEPARTMENT
DEPART	DEPARTURE
DET	DETAIL
DF	DRINKING FOUNTAIN
DI	DIONIZED WATER
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DISP	DISPENSER
DIV	DIVISION
DN	DOWN
D.O.	DOOR OPENING
DR	DRYING RACK or DOOR
DS	DOWN SPOUT
DSP	DRY STANDPIPE
DW	DUMBWAITER
DWR	DRAWER
DWG	DRAWING (S)
E	EAST OR ELECTRICAL OUTLET, COORDINATE WITH ELECTRICAL CONTRACTOR
EA	EACH
E.C.C.	ENVIRONMENTAL CONTROL CHAMBER
EJ	EXPANSION JOINT
EL or ELEV	ELEVATION or ELEVATOR
ELEC	ELECTRICAL
EMER	EMERGENCY
ENCL	ENCLOSURE
ENLRG'D	ENLARGED
EP	ELECTRICAL PANEL
EQ	EQUAL
EQUIP	EQUIPMENT
ES	EMERGENCY SHOWER STATION BY PLUMBING CONTRACTOR
EW	EMERGENCY EYEWASH BY PLUMBING CONTRACTOR
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EX or EXIST	EXISTING
EXPO	EXPOSED
EXP	EXPANSION
EXT	EXTERIOR
FA	FIRE ALARM
FAK	FIRST AID KIT
FB	FIRE BLANKET or FLAT BAR
FBD	FIREBOARD
FD	FLOOR DRAIN
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FGL	FIBERGLASS
FH	FUME HOOD
FHC	FIRE HOSE CABINET
FHR	FIRE HOSE RACK
FHS	FIRE HOSE STATION
FIN	FINISH
FL or FLR	FLOOR
FLASH	FLASHING
FLEX	FLEXIBLE
FLUOR	FLUORESCENT
FO	FACE OF
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY (CMU)
FOS	FACE OF STUDS
FP	FIREPROOF
FR(T)	FIRE RETARDANT (TREATED)
FRP	FIBERGLASS REINFORCED PLASTIC
FS	FILLER STRIP or FULL SIZE
FSC	FLAMMABLE STORAGE CABINET
FT	FOOT OR FEET
FTG	FOOTING
FURR	FURRING
FUT	FUTURE
FV	FIELD VERIFY
G#	GAS COCK WITH NUMBER OF VALVES INDICATED
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GL	GLASS or GRID LINE
GND	GROUND
GR	GUARD RAIL or GROUND
GT	GROUT
GYP	GYPSUM
HB	HOSE BIBB
HBD	HARDBOARD
HC	HOLLOW CORE
HD	HEAVY DUTY
HDR	HEADER
HDWD	HARDWOOD
HDWE	HARDWARE
HEX	HEXAGON
HGT	HEIGHT
HM	HOLLOW METAL
HORZ	HORIZONTAL
HR	HOUR
HTG	HEATING
HVAC	HEATING / VENTILATION / AIR CONDITIONING
HW	HOT WATER
ICU	INTENSIVE CARE UNIT
ID	INSIDE DIAMETER (DIM)
INSUL	INSULATION
INT	INTERIOR
ISO	ISOMETRIC
JAN	JANITOR
JC	JANITOR'S CLOSET
JT	JOINT
KIT	KITCHEN
KPL	KICKPLATE
KS	KNEE SPACE
L	LEFT
LAB	LABORATORY
LAM	LAMINATE
LAV	LAVATORY
LH	LEFT HAND
LKR	LOCKER
LOC	LOCATION
LLD	LEAD LINED DOOR
LT	LIGHT
LTD	LIMITED
LTL	LINTEL
LVL	LEVEL
LVR	LOUVER
M	METER
MACH	MACHINE
MAINT	MAINTENANCE
MACH	MACHINE
MAS	MASONRY
MAX	MAXIMUM
MM	MILLIMETER
MECH	MECHANICAL
MED	MEDIUM
MEMB	MEMBRANE
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MLD	MOLDING
MO	MASONRY OPENING
MOD	MODULAR or MODIFY (IED)
MOV	MOVABLE
MT	MOUNT
MTL or MET	METAL
MTD	MOUNTED
MUL	MULLION
MWK	MILLWORK
N	NORTH
NAT	NATURAL
NI	NICKEL
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NON COM	NON-COMBUSTABLE
NTS	NOT TO SCALE
O/	OVER
OA	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER (DIA)
OFF	OFFICE
OH	OVERHEAD
OPH	OPPOSITE HAND
OPN'S	OPENING
OPP	OPPOSITE
OPS	OPPOSITE SURFACE
PRCST	PRE CAST
PB	PANIC BAR
PBD	PARTICLE BOARD
PCF	POUNDS PER CUBIC FOOT
PERF	PERFORATE (D)
PERI	PERIMETER
PG	PLATE GLASS
PL	PLATE
PLF	POUNDS PER LINEAR FOOT
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLYWD	PLYWOOD
PNL	PANEL
PORT	PORTABLE
PPG	POLISHED PLATE GLASS
PR	PAIR
PS	PULL SCREEN
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT or PRESSURE TREATED
PTD/PTR	PAPER TOWEL DISPENSER/RECEPTICAL
PTN	PARTITION
R	RIGHT
RA	RETURN AIR
RAD	RADIUS
RB	RUBBER BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
RECEP	RECEPTACLE
RECEPT	RECEPTIONIST
REF	REFERENCE
REFL	REFLECTED
REFR or REFRIG	REFRIGERATOR
REV	REVISION
REINF	REINFORCED
REQ (D)	REQUIRE (MENT) (S) ('D)
RESIL	RESILIENT
RFS	ROOM FINISH SCHEDULE
RGTR	REGISTER
RH	RIGHT HAND
RM	ROOM
R.O.	ROUGH OPENING
RS	REAGENT SHELF or ROUGH SAWN
RWC	RAIN WATER CONDUCTOR
RWL	RAIN WATER LEADER
S	SOUTH
SAB	SOUND ATTENTUATION BLANKET
SB	SMOKE BARRIER or SINK BASE
SC	SOLID CORE
SCHED	SCHEDULE
SD	STORM DRAIN or SOAP DISPENSER
SECT	SECTION
SFRM	SPRAY APPLIED FIRE RESISTIVE MATERIAL
SF GL	SAFETY GLASS
SG	SHEET GLASS
SH	SHELF
SHGC	SOLAR HEAT GAIN COEFFICIENT
SHR	SHOWER
SHT	SHEET
SIM	SIMILAR
SKL	SKYLIGHT
SL	SLOPE
SND or SNR	SANITARY NAPKIN DISPENSER/RECEPTICAL
SP	SOUND PROOF
SPEC	SPECIFICATION
SPK	SPEAKER
SPL	SPECIAL
SQ	SQUARE
SS	STAINLESS STEEL
STA	STATION
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRL	STRUCTURAL
SUSP	SUSPENDED
SYM	SYMMETRICAL
SYN	SYNTHETIC
SYS	SYSTEM
TB	TACK BOARD
TEL	TELEPHONE
T&G	TONGUE & GROOVE
THK	THICK
TJ	TOOLED JOINT
TO	TOP OF
TV	TELEVISION
TYP	TYPICAL
UNF	UNFINISHED
UON or UNO	UNLESS OTHERWISE NOTED
UR	URINAL
V#	VACUUM WITH NUMBER OF VALVES INDICATED
VAR	VARNISH
VB	VINYL BASE
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VF	VINYL FABRIC
VIF	VERIFY IN FIELD
VNR	VENEER
VT	VINYL TILE
VWC	VINYL WALL COVERING
W	WEST
W/	WITH
WB	WOOD BASE
WC	WALL CABINET
WD	WOOD
WG	WIRED GLASS
WM	WIRE MESH
W/O	WITHOUT
WP	WATER PROOF
WRB	WEATHER RESISTIVE BARRIER
WSCT	WAINSCOT
WT	WEIGHT
WWF	WELDED WIRE FABRIC
XMFR	TRANSFORMER

SIGNAGE LOCATIONS

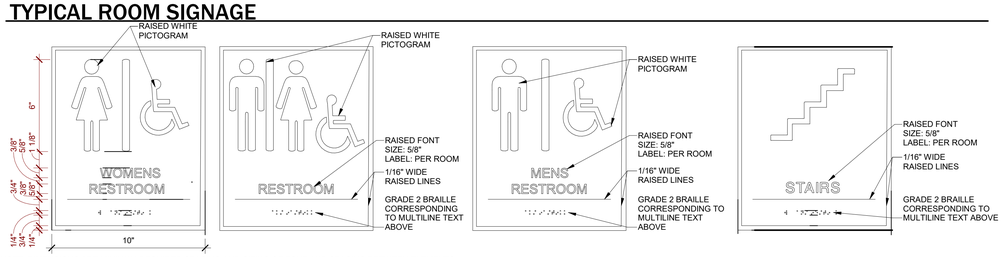


MOUNTING HEIGHTS

NOTE: ALL ITEMS SHALL BE MOUNTED IN ACCORDANCE WITH OBC CHAPTER 11 (CURRENT VERSION)
(CONTRACTOR NOTE: NOT ALL THE FOLLOWING ITEMS ARE USED IN THIS PROJECT - SEE DRAWINGS & SPECS FOR ADDITIONAL DETAILS. ALL DIMENSIONS ARE NOT TO SCALE.)

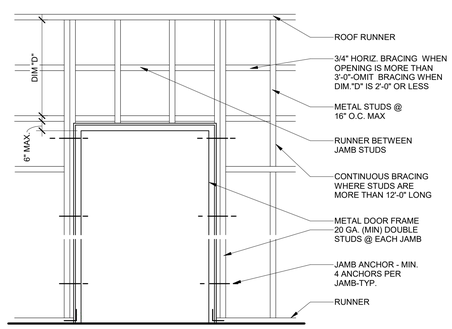


TYPICAL ROOM SIGNAGE

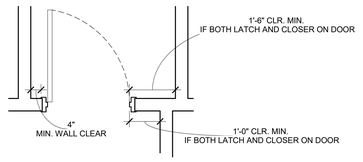


NOTE: DIMENSIONS ARE MINIMUM REQUIRED SPACING AND SIZING OF FONT AND SPACING BETWEEN ELEMENTS

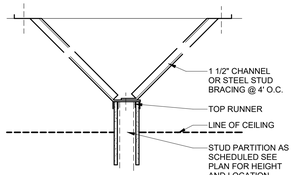
TYPICAL PLAN WALL DETAILS



DOOR FRAMING DETAIL
SCALE: N.T.S.
REF. USG GYPSUM CONSTRUCTION HANDBOOK



DOOR LOCATION DETAIL
SCALE: N.T.S.



WALL BRACING DETAIL
SCALE: N.T.S.

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GENERAL NOTES AND SYMBOLS

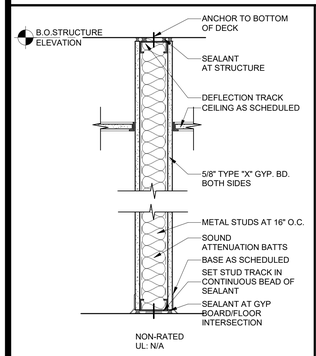
G002

INTERIOR PARTITION TYPES

NOTE: NOT ALL WALL TYPES WILL BE USED IN THIS PROJECT

NOTES:

1. SEE LIFE SAFETY DRAWINGS FOR LOCATIONS OF RATED PARTITIONS
2. ALL GYPSUM WALL BOARD TO BE TYPE "X" UNLESS OTHERWISE SPECIFIED
3. PROVIDE TILE BACKERBOARD ON ALL WALL SCHEDULE TO RECEIVE TILE FINISH
4. WALL FINISHES VARY, REFER TO FINISH SCHEDULE, INTERIOR ELEVATIONS, AND DETAILS FOR ALL PARTITIONS
5. MAINTAIN FIRE RATING AND ACOUSTICAL RATING OF PARTITIONS AROUND FIRE EXTINGUISHER CABINETS, ELECTRICAL BOXES, AND OTHER RECESSED ITEMS
6. FIRE-RATED PARTITIONS SHALL HAVE FIRE STOP SEALANTS AT THE HEAD, SILL, THROUGH PENETRATIONS, OPENINGS, AND JUNCTIONS WITH DISSIMILAR MATERIALS
7. NON-RATED PARTITIONS SHALL HAVE SEALANTS AT THE HEAD, SILL, THROUGH PENETRATIONS, OPENINGS AND JUNCTURES WITH DISSIMILAR MATERIALS.
8. ALL STUD WALLS CONSTRUCTED TO DECK SHALL HAVE A DEFLECTION TRACK TO ACCOMMODATE MOVEMENT OF THE STRUCTURE. ALL DEFLECTION TRACK SHALL ACCOMMODATE A MINIMUM OF 1" DEFLECTION OF THE STRUCTURE.

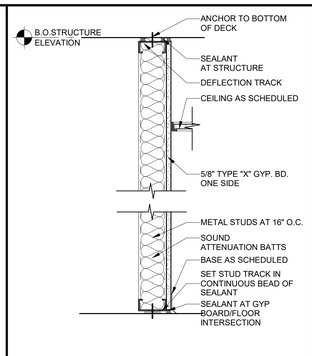


NON-RATED
UL: N/A

A

STUD SIZE SUFFIX / WIDTH CHART

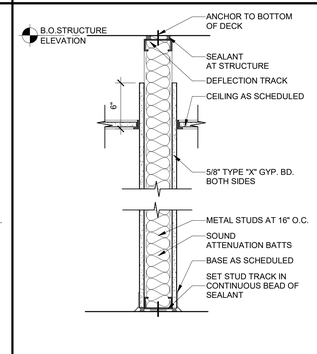
SUFFIX	STUD SIZE	TOTAL WIDTH	STC
A1	3 5/8"	4 7/8"	40 (49 w/ 3" SAB)
A2	6"	7 1/4"	
A3	8"	9 1/4"	



B

STUD SIZE SUFFIX / WIDTH CHART

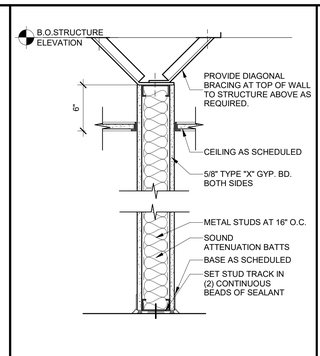
SUFFIX	STUD SIZE	TOTAL WIDTH
B1	3 5/8"	4 1/4"
B2	6"	6 5/8"
B3	8"	8 5/8"



C

STUD SIZE SUFFIX / WIDTH CHART

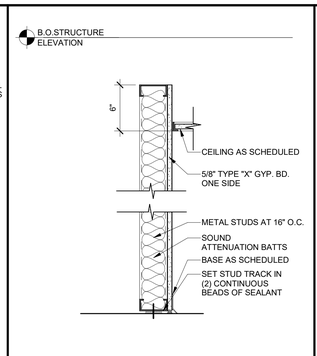
SUFFIX	STUD SIZE	TOTAL WIDTH
C1	3 5/8"	4 7/8"
C2	6"	7 1/4"
C3	8"	9 1/4"



E

STUD SIZE SUFFIX / WIDTH CHART

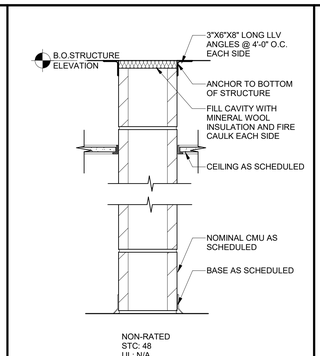
SUFFIX	STUD SIZE	TOTAL WIDTH
E1	3 5/8"	4 7/8"
E2	6"	7 1/4"
E3	8"	9 1/4"



F

STUD SIZE SUFFIX / WIDTH CHART

SUFFIX	STUD SIZE	TOTAL WIDTH
F1	7/8"	1 1/2"
F2	2 1/2"	3 1/8"
F3	3 5/8"	4 1/4"
F4	6"	6 5/8"

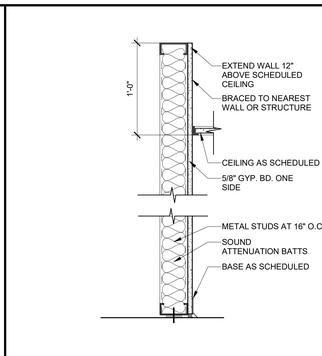


NON-RATED
STC: 48
UL: N/A

J

CMU SIZE

SUFFIX	CMU WIDTH	
J1	5 5/8"	
J2	7 5/8"	
J3	11 5/8"	



H

STUD SIZE SUFFIX / WIDTH CHART

SUFFIX	STUD SIZE	TOTAL WIDTH
H1	3 5/8"	4 1/4"
H2	6"	6 5/8"

NON-RATED
STC: 48
UL: N/A

M

CMU SIZE

SUFFIX	CMU WIDTH	TOTAL WIDTH
M1	3 5/8"	3 5/8"
M2	7 5/8"	7 5/8"

P

STUD SIZE SUFFIX / WIDTH CHART

SUFFIX	STUD SIZE	TOTAL WIDTH
P1	3 5/8"	4 7/8"
P2	6"	7 1/4"

Mark C. Wiseman, License #13215
Expiration Date 12/31/2027

REVISIONS :

Number	Description	Date

PRINTINGS :

CONSTRUCTION DOCUMENTS / PERMIT SET	07.06.2026

CONSULTANTS

BRADFORD EVSD

ATHLETIC FACILITY

760 Railroad Ave, Bradford, OH 45308

PROJECT NO: 263401.00
CHECKED BY: MH
DRAWN BY: DG
DATE: 07.06.2026

LEVIN PORTER ARCHITECTS
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MIAMISBURG, OHIO 45342
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Levin Porter Associates Inc. dba Levin Porter Architects

WALL TYPES

G003

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LIFE SAFETY LEGEND

	EXIT SIGN / DIRECTION
FE	BRACKET MOUNTED FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER

CODE NOTES

Bradford EVSD – Athletic Facility

Based on OBC 2024

Use and Occupancy: Use group A4
Construction Type: 5B, Single story, fully suppressed

Tabular allowable area per 506.2 24,000 SF
Proposed area is 15,425 NSF
Proposed gym mezzanine = 1,643 NSF
Area of gym = 7,681
Area of mezzanine is 21% of the gym area and complies with 505.2.1 for the area limitation.

Allowable building height per 504.3 = 60 FT
Proposed building height is 40ft to peak of roof.

Fire Resistance Rating of Building Elements per Table 601

Primary structural frame	0
Exterior bearing walls	0
Interior bearing walls	0
Exterior Non-loadbearing walls	0
Interior Non-loadbearing walls	0
Floor construction	0
Roof construction	0

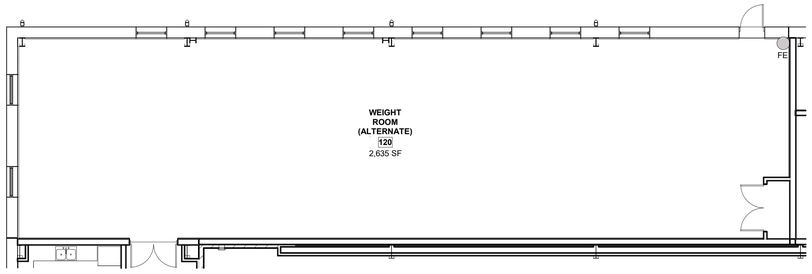
Fire extinguishers and fire extinguisher cabinets are shown and identified as FE or FEC.

Occupant load:

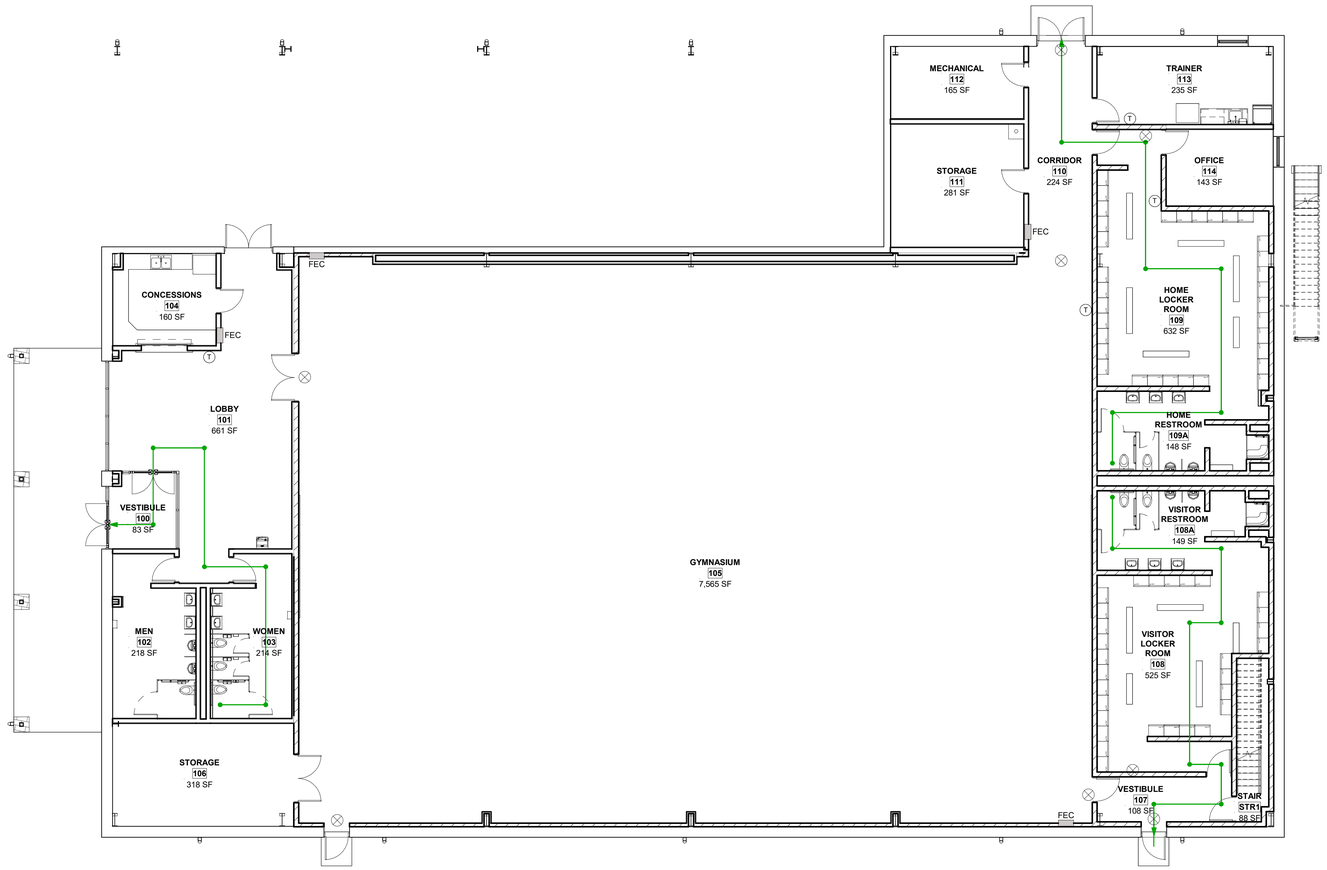
100 Vestibule	0
101 Lobby	0
102 Men	0
103 Women	0
104 Concessions	161 SF / 100 = 2 persons
105 Gym	7,681 SF Bleachers = 236 persons Gym courts: Remaining area = 6,806 SF 6,806 SF / 50 = 136 persons
106 Gym Storage	318 NSF / 300 = 1 person
107 Vestibule	0
108 Visitor Locker room	539 SF / 50 = 10 persons
108A Visitor Restroom	0
108B Shower	0
109 Home Locker room	634 SF / 50 = 12 persons
109A Home Restroom	0
109B Shower	0
111 Storage	1
112 Mechanical	0
113 Trainer	240 SF / 50 = 4 persons
114 Office	142 SF / 100 = 1 person
120 Weight Room	2,635 SF / 50 = 52 persons

Total Occupant Load = 455 persons

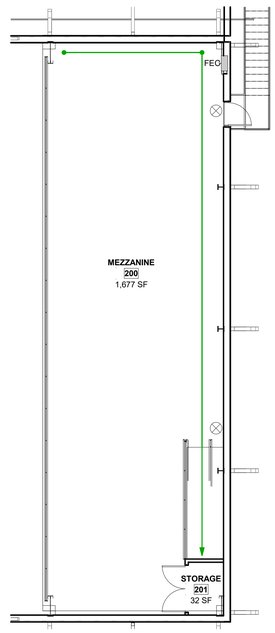
Plumbing Fixtures Required
Locker rooms are served by 2 water closets and 2 urinals each.
Lavatories in the locker rooms = 3 in each locker room.
Occupants for plumbing fixtures in all other areas of the building:
455 persons – 22 persons (Locker Rooms) = 433 persons
433 / 2 = 216 persons per sex
Men = 1 per 125 = 216 / 128 = 1 fixture
3 fixtures provided: 1 water closet and 2 urinals.
1 lavatories required: 2 provided.
Women = 1 per 65 = 216 / 65 = 3 fixtures
3 fixtures provided: 3 water closets.
1 lavatory required: 2 provided.
1 drinking fountain required: 1 provided in lobby.
1 service sink required: 1 provided in mechanical room.



29 ALTERNATE WEIGHT ROOM - LIFE SAFETY PLAN
SCALE | 1/8" = 1'-0"



26 1ST FLOOR - LIFE SAFETY PLAN
SCALE | 1/8" = 1'-0"



6 MEZZANINE - LIFE SAFTEY PLAN
SCALE | 1/8" = 1'-0"

7/13/2026 2:02:23 PM

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STATE OF OHIO
MARK C. WISEMAN
13215
REGISTERED ARCHITECT

Mark C. Wiseman, License #13215
Expiration Date 12/31/2027

REVISIONS :

Number	Description	Date

PRINTINGS :
CONSTRUCTION DOCUMENTS / PERMIT SET 07.06.2026

CONSULTANTS

BRADFORD EVSD

ATHLETIC FACILITY

760 Railroad Ave, Bradford, OH 45308

PROJECT NO: **263401.00**
CHECKED BY: **MH**
DRAWN BY: **DG**
DATE: **07.06.2026**

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Levin Porter Associates Inc. dba Levin Porter Architects

LIFE SAFETY PLAN

G004

COMcheck•Web™

Compliance Certificate

Project Information

Energy Code: 90.1 (2019) Standard
Project Title: Bradford EVSD Athletic Facility
Location: Bradford, Ohio
Climate Zone: 5a
Project Type: New Construction
Project No: 132104
Performance Sim. Specs: EnergyPlus 24.1.0 (EPW:)
All Electric: false
Is Renewable: false
Has Battery: false
Has Charger: false
Has Heat Pump true

Construction Site:
750 Railroad Avenue
Bradford , Ohio 45308

Owner/Agent:
Michael Huff
3011 NEWMARK DR
LEVIN PORTER ASSOCIATES
MIAMISBURG , Ohio 45342
9372241931
mhuff@levin-porter.com

Designer/Contractor:
Michael Huff
3011 NEWMARK DR
LEVIN PORTER ASSOCIATES
MIAMISBURG , Ohio 45342
9372241931
mhuff@levin-porter.com

Notes:

Building Area

Description	Floor Area
1-Gymnasium (Gymnasium) : Nonresidential	17774

Envelope Compliance Certificate

Project Information

Energy Code: 90.1 (2019) Standard
Project Title: Bradford EVSD Athletic Facility
Location: Bradford, Ohio
Climate Zone: 5a
Project Type: New Construction
Vertical Glazing / Wall Area: 0.048
Performance Sim. Specs: EnergyPlus 24.1.0 (EPW:)

Construction Site:
750 Railroad Avenue
Bradford , Ohio 45308

Owner/Agent:
Michael Huff
3011 NEWMARK DR
LEVIN PORTER ASSOCIATES
MIAMISBURG , Ohio 45342
9372241931
mhuff@levin-porter.com

Designer/Contractor:
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MIAMISBURG , Ohio 45342
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mhuff@levin-porter.com

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor
Roof:Roof, Other, Exterior Envelope, [Bldg. Use 1 - Gymnasium] (b)	17774	---	---	0.037	0.037
Floor:Floor, Unheated Slab-On-Grade, Vertical 2 ft., Semi-Exterior Envelope, [Bldg. Use 1 - Gymnasium] (d)	517	---	10.00	0.540	0.520
NORTH					
Ext Wall:Ext Wall, , Single Layer Mineral Fiber (in cavity, thermal block at grit), Exterior Envelope, [Bldg. Use 1 - Gymnasium]	2974	30.38	0.00	0.052	0.050
Window:Window, Metal Frame, Perf. Specs.: Product ID , SHGC 0.21, VT 70.00, Exterior Envelope, [Bldg. Use 1 - Gymnasium] (c)	24	---	---	0.340	0.450
EAST					
Ext Wall:Ext Wall 1, , Single Layer Mineral Fiber (in cavity, thermal block at grit), Exterior Envelope, [Bldg. Use 1 - Gymnasium]	4144	30.38	0.00	0.052	0.050
Window:Window 4, Metal Frame, Perf. Specs.: Product ID , SHGC 0.44, PF 1.00, VT 40.00, Exterior Envelope, [Bldg. Use 1 - Gymnasium] (c)	105	---	---	0.110	0.360
Door:Door 1, Insulated Metal, Swinging, Exterior Envelope, [Bldg. Use 1 - Gymnasium]	42	---	---	0.160	0.370
SOUTH					
Ext Wall:Ext Wall 2, , Single Layer Mineral Fiber (in cavity, thermal block at grit), Exterior Envelope, [Bldg. Use 1 - Gymnasium]	2974	30.38	0.00	0.052	0.050
Window:Window 2, Metal Frame, Perf. Specs.: Product ID , SHGC 0.39, PF 1.00, VT 70.00, Exterior Envelope, [Bldg. Use 1 - Gymnasium] (c)	140	---	---	0.290	0.360
Window:Window 5, Metal Frame, Perf. Specs.: Product ID , SHGC 0.21, VT 70.00, Exterior Envelope, [Bldg. Use 1 - Gymnasium] (c)	48	---	---	0.340	0.450
Door:Door 2, Perf. Specs.: Product ID , SHGC 0.39, PF 1.00, VT 70.00, Exterior Envelope, [Bldg. Use 1 - Gymnasium] (c)	42	---	---	0.380	0.630
WEST					
Ext Wall:Ext Wall 3, , Single Layer Mineral Fiber (in cavity, thermal block at grit), Exterior Envelope, [Bldg. Use 1 - Gymnasium]	4144	30.38	0.00	0.052	0.050
Window:Window 1, Metal Frame, Perf. Specs.: Product ID , SHGC 0.44, PF 1.00, VT 40.00, Exterior Envelope, [Bldg. Use 1 - Gymnasium] (c)	105	---	---	0.110	0.360

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor
Window:Window 3, Metal Frame, Perf. Specs.: Product ID , SHGC 0.21, PF 0.50, VT 70.00, Exterior Envelope, [Bldg. Use 1 - Gymnasium] (c)	216	---	---	0.340	0.450
Door:Door, Insulated Metal, Swinging, Exterior Envelope, [Bldg. Use 1 - Gymnasium]	42	---	---	0.160	0.370

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.
(b) "Other" components require supporting documentation for proposed U-factors.
(c) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.
(d) Slab-On-Grade proposed and budget U-factors shown in table are F-factors.

Envelope PASSES: Design 0.0% better than code

Envelope Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 90.1 (2019) Standard requirements in COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Mark C. Wiseman, Architect — 7/6/2026

Name - Title **Signature** **Date**

Mechanical Compliance Certificate

Project Information

Energy Code: 90.1 (2019) Standard
Project Title: Bradford EVSD Athletic Facility
Location: Bradford, Ohio
Climate Zone: 5a
Project Type: New Construction

Construction Site:
750 Railroad Avenue
Bradford , Ohio 45308

Owner/Agent:
Michael Huff
3011 NEWMARK DR
LEVIN PORTER ASSOCIATES
MIAMISBURG , Ohio 45342
9372241931
mhuff@levin-porter.com

Designer/Contractor:
Michael Huff
3011 NEWMARK DR
LEVIN PORTER ASSOCIATES
MIAMISBURG , Ohio 45342
9372241931
mhuff@levin-porter.com

Mechanical Systems List

Quantity	Component	Description
HVAC Systems		
1	RTU-1 (Single Zone):	Heating: 1 each - Central Furnace (RTU-1), Gas, Capacity = 600 kBtu/h Proposed Efficiency = 81.00% Et, Required Efficiency: 81.00 % Et Cooling: 1 each - Single Package DX Unit (RTU-1), Capacity = 286 kBtu/h, Air-Cooled Condenser, Air Economizer Proposed Efficiency = 0.00 , Required Efficiency = 0.00 Proposed Part Load Efficiency = 20.30 IEER, Required Part Load Efficiency = 13.00 IEER Fan System: RTU-1 SAF	GYM -- Compliance (Brake HP and fan efficiency method) : Passes Fans: SAF Supply, Single-Zone VAV, 7500 CFM, 7.5 motor nameplate hp, 5.7 design brake hp (5.7 max. BHP), 1.25 fan energy index Pressure Drop Credits: Fully ducted return and/or exhaust air systems, 0.9078 credit Particulate filtration credit: MERV 13 through 15, 1.6340 credit
1	RTU-2 (Single Zone):	Heating: 1 each - Central Furnace (RTU-2), Gas, Capacity = 120 kBtu/h Proposed Efficiency = 81.00% Et, Required Efficiency: 80.00 % Et (or 80% AFUE) Cooling: 1 each - Single Package DX Unit (RTU-2), Capacity = 56 kBtu/h, Air-Cooled Condenser, No Economizer, Economizer exception: None Proposed Efficiency = 0.00 , Required Efficiency = 0.00 Proposed Part Load Efficiency = 18.30 SEER2, Required Part Load Efficiency = 13.40 SEER2 Fan System: RTU-2 SAF	Locker Rooms -- Compliance (Brake HP and fan efficiency method) : Passes Fans: RTU SAF Supply, Constant Volume, 1450 CFM, 1.5 motor nameplate hp, 0.8 design brake hp (0.8 max. BHP), 1.20 fan energy index Pressure Drop Credits: Particulate filtration credit: MERV 9 through 12, 0.1755 credit Fully ducted return and/or exhaust air systems, 0.1755 credit SYSTEM COMPLIANCE FAILS: Economizer requirements have not been met.
1	HVAC (Single Zone):	Heating: 1 each - Central Furnace (FC-1), Gas, Capacity = 80 kBtu/h Proposed Efficiency = 98.00% Et, Required Efficiency: 80.00 % Et (or 80% AFUE) Cooling: 1 each - Split System (ACC-1), Capacity = 34 kBtu/h, Air-Cooled Condenser, No Economizer, Economizer exception: Low Operating Hours Proposed Efficiency = 0.00 , Required Efficiency = 0.00 Proposed Part Load Efficiency = 16.60 SEER2, Required Part Load Efficiency = 13.40 SEER2 Fan System: FC-1 SAF	Lobby -- Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: Fan Coil Fan Supply, Constant Volume, 1600 CFM, 0.8 motor nameplate hp, 1.20 fan energy index , fan exception: Single fan < 1 HP or < 0.89 kW

Quantity	Component	Description
1	FC-2 (Single Zone):	Heating: 1 each - Central Furnace (FC-2), Gas, Capacity = 60 kBtu/h Proposed Efficiency = 98.00% Et, Required Efficiency: 80.00 % Et (or 80% AFUE) Cooling: 1 each - Split System (ACC-2), Capacity = 23 kBtu/h, Air-Cooled Condenser, No Economizer, Economizer exception: Low Operating Hours Proposed Efficiency = 0.00 , Required Efficiency = 0.00 Proposed Part Load Efficiency = 18.00 SEER2, Required Part Load Efficiency = 13.40 SEER2 Fan System: FC-1 SAF	Lobby -- Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: Fan Coil Fan Supply, Constant Volume, 1600 CFM, 0.8 motor nameplate hp, 1.20 fan energy index , fan exception: Single fan < 1 HP or < 0.89 kW
3	Weight Room (Unknown):	VRF Condensing Unit, Air Cooled Heat Pump Heating Mode: Capacity = 85 kBtu/h, Proposed Efficiency = 3.40 COP, Required Efficiency = 3.30 COP Cooling Mode: Capacity = 114 kBtu/h, Proposed Efficiency = 11.10 EER, Required Efficiency = 11.00 EER Proposed Part Load Efficiency = 22.80 IEER, Required Part Load Efficiency = 14.60 IEER Fan System: None
Water Heaters		
3	WH:	Gas Instantaneous Water Heater, Capacity: 0 gallons, Input Rating: 160 kBtu/h No minimum efficiency requirement applies

Mechanical Compliance Statement

Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 90.1 (2019) Standard requirements in COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Jeffrey D. Zellman - Planner — 7/6/26

Name - Title **Signature** **Date**

Interior Lighting Compliance Certificate

Project Information

Energy Code: 90.1 (2019) Standard
Project Title: Bradford EVSD Athletic Facility
Location: Bradford, Ohio
Climate Zone: 5a
Project Type: New Construction

Construction Site:
750 Railroad Avenue
Bradford , Ohio 45308

Owner/Agent:
Michael Huff
3011 NEWMARK DR
LEVIN PORTER ASSOCIATES
MIAMISBURG , Ohio 45342
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mhuff@levin-porter.com

Designer/Contractor:
Michael Huff
3011 NEWMARK DR
LEVIN PORTER ASSOCIATES
MIAMISBURG , Ohio 45342
9372241931
mhuff@levin-porter.com

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts
1-Space (Gymnasium/Fitness Center:Exercise Area)	17774	0.9	15997
Total Allowed Watts:			15997

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B # of Fixture	C Fixture Watt.	D (B X C)
1-Space (Gymnasium/Fitness Center:Exercise Area)			
A1: A1::LED:	3	35	105
A2: A2::LED:	16	35	560
B2: B2::LED:	12	45	540
B3: B3::LED:	14	45	630
B4: B4::LED:	5	45	225
C1: C1::LED:	16	35	560
F1: F1::LED:	2	15	30
F2: F2::LED:	6	15	90
H1: H1::LED:	36	35	1260
H2: H2::LED:	4	35	140
Total Proposed Watts:			4140

Proposed Interior Lighting Controls

Fixture	Lighting Control
1-Space (Gymnasium/Fitness Center:Exercise Area)	
A1: A1::LED:	Local Control, Restricted Manual On, Scheduled Shutoff
A2: A2::LED:	Local Control, Restricted Manual On, Scheduled Shutoff

Fixture	Lighting Control
B2: B2::LED:	Local Control, Restricted Manual On, Scheduled Shutoff
B3: B3::LED:	Local Control, Restricted Manual On, Scheduled Shutoff
B4: B4::LED:	Local Control, Restricted Manual On, Scheduled Shutoff
C1: C1::LED:	Local Control, Restricted Manual On, Scheduled Shutoff
F1: F1::LED:	Local Control, Restricted Manual On, Scheduled Shutoff
F2: F2::LED:	Local Control, Restricted Manual On, Scheduled Shutoff
H1: H1::LED:	Local Control, Restricted Manual On, Scheduled Shutoff
H2: H2::LED:	Local Control, Restricted Manual On, Scheduled Shutoff

Interior Lighting PASSES: Design 74% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 90.1 (2019) Standard requirements in COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Jeffrey D. Zellman - Planner — 7/6/26

Name - Title **Signature** **Date**

7/13/2026 2:02:29 PM

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STATE OF OHIO
MARK C. WISEMAN
13215
REGISTERED ARCHITECT

Mark C. Wiseman, License #13215
Expiration Date 12/31/2027

REVISIONS :

Number	Description	Date

PRINTINGS :
CONSTRUCTION DOCUMENTS / PERMIT SET — 07.06.2026

CONSULTANTS

BRADFORD EVSD

ATHLETIC FACILITY

760 Railroad Ave, Bradford, OH 45308

PROJECT NO: **263401.00**
CHECKED BY: **Checker**
DRAWN BY: **Author**
DATE: **07.06.2026**

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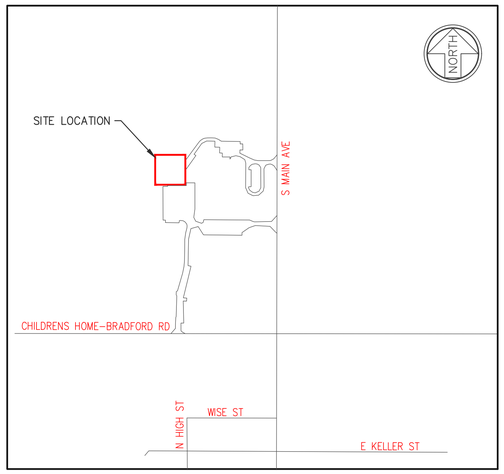
BUILDING ENVELOPE

G005

PLAN OF IMPROVEMENTS
for
BRADFORD NEW ATHLETIC FACILITY

LOCATED AT
760 RAILROAD AVENUE
SECTION 16, TOWNSHIP 9 NORTH, RANGE 4 EAST
VILLAGE OF BRADFORD, DARKE COUNTY, STATE OF OHIO

JULY 1, 2026



LOCATION MAP
(NTS)

SHEET INDEX

C1. COVER SHEET
C2. EXISTING CONDITIONS PLAN
C3. SITE, GRADING & UTILITY AND DEMOLITION PLAN
C4. EROSION CONTROL PLAN

SPECIFICATIONS AND STANDARD DRAWINGS:

1. ALL CONSTRUCTION (METHODS AND MATERIALS) SHALL BE PERFORMED IN ACCORDANCE WITH THE BID SPECIFICATIONS REQUIREMENTS, THE VILLAGE OF BRADFORD, DARKE COUNTY, THE STATE OF OHIO, THE ARCHITECT AND OTHER ENTITIES CONTAINED IN THE BID PACKET. IN ADDITION, THESE PLANS SHALL BE GOVERNED BY THE LATEST EDITION OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION "CONSTRUCTION & MATERIAL SPECIFICATIONS".
2. WHERE THE ABOVE SPECIFICATIONS DO NOT AGREE WITH OTHER SPECIFICATIONS THE MORE STRINGENT INTERPRETATION SHALL APPLY.
3. THE ODOT MANUAL FOR STANDARD CONSTRUCTION DRAWINGS ARE CONSIDERED A PART OF THESE CONSTRUCTION DRAWINGS.

ELEVATION DATUM:

1. ALL ELEVATIONS ARE BASED ON USGS DATUM.

CONSTRUCTION LIMITS:

1. THE CONTRACTOR SHALL RESTRICT ALL OF HIS ACTIVITIES, EQUIPMENT STORAGE AND STAGING TO WITHIN THE CONSTRUCTION LIMITS IDENTIFIED ON THE OVERALL SITE PLAN OR AS INDICATED BY OWNER/ARCHITECT.

PROTECTING EXISTING UNDERGROUND UTILITIES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR STAKING, MARKING, OR OTHERWISE DESIGNATING THE LOCATIONS OF THE UNDERGROUND UTILITIES IN THE CONSTRUCTION AREAS IN SUCH A MANNER AS TO INDICATE THEIR COURSE TOGETHER WITH THE APPROXIMATE DEPTH OF WHICH THEY WERE INSTALLED. THE MARKING OR LOCATING SHALL BE COORDINATED TO STAY APPROXIMATELY TWO DAYS AHEAD OF PLANNED CONSTRUCTION. EXTREME CARE SHALL BE TAKEN IN THE VICINITY OF THE EXISTING UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ISOLATE, BRACE, SUPPORT, SHEET, ETC. AND PROTECT THE EXISTING UTILITY FROM MOVING EITHER HORIZONTALLY OR VERTICALLY. IF SUCH MOVEMENT DOES OCCUR DUE TO THE CONTRACTORS OPERATIONS, HE SHALL REPAIR THE UTILITY AT HIS EXPENSE. THE CONTRACTOR MAY ELECT TO REMOVE AND RECONSTRUCT PORTIONS OF THE EXISTING UTILITY AT HIS OWN EXPENSE IF HE SO DESIRES.
2. SHOULD ANY UNLOCATED OR EXTREME VARIANCES IN LOCATION OF A UTILITY BE ENCOUNTERED DURING EXCAVATION, SEND RFI IMMEDIATELY FOR DIRECTIONS.
3. SCHEDULE UTILITY SERVICE INTERRUPTION WITH THE OWNER AND CONSTRUCTION MANAGER. DO NOT INTERRUPT SERVICES UNTIL PERMANENT SYSTEMS ARE IN PLACE OR AS AGREED TO BY THE OWNER AND ARCHITECT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM HIS WORK IN SUCH A MANNER AS NOT TO DAMAGE OR DESTROY ANY EXISTING UTILITY. IF SUCH DAMAGE OCCURS DUE TO CONTRACTOR ACTIVITIES THE UTILITIES SHALL BE REPAIRED IMMEDIATELY AT NO ADDITIONAL COST TO THE OWNER.

WORK LIMITS:

1. THE WORK LIMITS ARE FOR PHYSICAL CONSTRUCTION ONLY. THE INSTALLATION AND OPERATION OF ALL TEMPORARY TRAFFIC CONTROL AND TEMPORARY TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS SHALL BE PROVIDED BY THE CONTRACTOR WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

CONNECTIONS TO EXISTING PIPE:

1. WHERE PROPOSED CONNECTION TO AND/OR POTENTIAL GRADE CONFLICTS MIGHT OCCUR WITH EXISTING UTILITIES, THE CONTRACTOR SHALL UNCOVER SUCH UTILITIES SUFFICIENTLY IN ADVANCE OF CONSTRUCTION IN ORDER THAT EXACT ELEVATIONS AND LOCATIONS MAY BE DETERMINED AND THE NECESSARY ADJUSTMENT MADE. SHOULD AN EXTREME VARIANCE IN LOCATION OR INVERT ELEVATIONS BE ENCOUNTERED DURING EXCAVATION, SEND RFI IMMEDIATELY FOR DIRECTIONS. COST OF THE ABOVE, IF ANY, WILL BE INCLUDED IN THE PRICE BID FOR THE PERTINENT ITEM.

COOPERATION WITH UTILITY COMPANIES:

1. WHILE THE WORK OF THIS CONTRACT IS BEING PERFORMED UTILITY COMPANIES MAY BE WORKING IN THE AREA ADJUSTING AND RESETTING EXISTING FACILITIES. THE CONTRACTOR SHALL FULLY COOPERATE WITH THE UTILITY COMPANIES SO THEIR WORK MAY BE COMPLETED.

EXISTING UTILITIES:

EXISTING UNDERGROUND UTILITIES & SERVICES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS ACCORDING TO THE BEST INFORMATION AVAILABLE. THE LOCATIONS SHOWN ARE INTENDED ONLY AS A GUIDE & CANNOT BE GUARANTEED ACCURATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR:

A. CONTACTING ALL UTILITY OWNERS TEN DAYS PRIOR TO CONSTRUCTION & ADVISING THEM OF THE WORK TO TAKE PLACE.
B. SOLICITING THEIR AID IN LOCATING & PROTECTING ANY UTILITY WHICH MAY INTERFERE WITH CONSTRUCTION.
C. EXCAVATING & VERIFYING THE HORIZONTAL & VERTICAL LOCATION OF EACH UTILITY.
D. ALL DAMAGE TO ANY EXISTING UTILITY.

THE KNOWN OWNERS OF UNDERGROUND UTILITIES SHALL BE NOTIFIED TEN DAYS PRIOR TO CONSTRUCTION TO FIELD LOCATE SAID UTILITIES. THE CONTRACTOR SHALL NOTIFY THE UTILITY OWNERS, OUPS (1-800-362-2764) & DIRECTLY NOTIFY ANY NON-MEMBERS OF OUPS. IF, DURING CONSTRUCTION, INTERFERENCE ARISES WITH EXISTING UTILITIES IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE UTILITY COMPANY INVOLVED. ANY AND ALL WORK REQUIRED FOR PUBLIC OR PRIVATE UTILITIES WILL BE DONE BY AND AT THE EXPENSE OF THE CONTRACTOR.

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CONSTRUCTION NOISE:

1. ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, ANY POWER-OPERATED CONSTRUCTION-TYPE DEVICE SHALL NOT BE OPERATED BETWEEN THE HOURS OF 9:00 PM AND 6:00 AM. IN ADDITION, ANY SUCH DEVICE SHALL NOT BE OPERATED AT ANY TIME IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

WEATHER CONDITIONS:

1. THE CONTRACTOR SHALL PROVIDE APPROVED FACILITIES, INCLUDING HEAT, FOR THE PROTECTION OF ALL MATERIALS AND FINISHED WORK.

RESTORATION:

THE CONTRACTOR SHALL PROVIDE FOR PROTECTION OF THE FOLLOWING:

1. EXISTING STREETS, DRIVEWAYS, SIDEWALKS, CURBS, GUTTERS, RE-SEEDING/RE-SODDING, REMOVAL OF TREES, RESTORATION OF AGRICULTURAL LAND, THE MAINTENANCE OF THE CONSTRUCTION AREA DURING PROGRESS OF THE WORK AND THE COMPLETE RESTORATION OF THE CONSTRUCTION AREA TO ITS ORIGINAL CONDITION AT THE COMPLETION OF THE WORK. THE CONTRACTOR SHALL CONTINUOUSLY CARRY ON WITH THE FINAL RESTORATION OF THE CONSTRUCTION AREA AFTER THE BACKFILLING IS COMPLETED, AND SHALL PROCEED TO RESTORE TO ITS ORIGINAL CONDITION ALL STREETS, DRIVEWAYS, SIDEWALKS, CURBS, GUTTERS, STRUCTURES, AND ALL AREAS THAT WERE DAMAGED, DISTURBED, OR OCCUPIED BY THE CONTRACTOR IN CONNECTION WITH ANY PHASE OF THE WORK.
2. PAVEMENTS, TREES, SHRUBS, FENCES, POLES, OR OTHER PROPERTY AND SURFACE STRUCTURES WHICH HAVE BEEN DAMAGED, REMOVED, OR DISTURBED BY THE CONTRACTOR, WHETHER DELIBERATELY OR THROUGH FAILURE TO CARRY OUT THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, STATE LAWS, CITY ORDINANCES, OR THROUGH FAILURE TO EMPLOY USUAL AND REASONABLE SAFEGUARDS SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.

EXCAVATION AND EMBANKMENT - ODOT 203 - ROADWAY EXCAVATION AND EMBANKMENT:

IN ADDITION TO THE APPLICABLE REQUIREMENTS OF ITEM 203 THE FOLLOWING SHALL ALSO APPLY:

1. THE CONTRACTOR SHALL ADJUST THE FINAL GRADES IN SUCH A MANNER AND AT LOCATIONS SO AS TO PROVIDE A WELL DRAINED SITE AND PREVENT THE IMPOUNDING OF WATER.
2. THE CONTRACTOR SHALL PROTECT ANY TREES AND VEGETATION, NOT DESIGNATED FOR REMOVAL WITHIN AND ALONG THE LIMITS OF THE EXCAVATION AND EMBANKMENT AREAS. (REFER TO PROTECTED ROOT ZONE & DRIP LINE DETAIL ON DETAIL SHT.)
3. THE CONTRACTOR SHALL SCORE OR OTHERWISE PREPARE THE EXISTING PAVEMENT WHEN NEW PAVEMENT IS TO BE PLACED ON THE EXISTING PAVEMENT.
4. THE BOWSER-MORNER SOIL STUDY REPORT DATED JUNE 5, 2012 AS CONTAINED IN BID SPECIFICATION SHALL BE INCLUDED WITH THE ABOVE ODOT ITEM 203 EXCAVATION AND EMBANKMENT SPECIFICATIONS. THE COMPACTION OF ALL EMBANKMENT SHALL BE AT 90% MAXIMUM DRY DENSITY AND WITHIN THE 2% OF THE OPTIMUM MOISTURE CONTENT AS DETERMINED BY MODIFIED PROCTER TEST ASTM D1557.
5. OTHER ODOT SPEC'S INTEGRATED WITH ODOT 203 ARE:

A. ODOT 204 - SUBGRADE COMPACTION & PROOF ROLLING,
B. ODOT 201 - CLEARING & GRUBBING,
C. ODOT 202 - REMOVAL OF STRUCTURES & OBSTRUCTIONS,
D. ODOT 209 - GRADING,
E. ODOT 651 - TOPSOIL STOCKPILED,
F. ODOT 652 - PLACING STOCKPILED TOPSOIL.

MAINTENANCE OF STORM SEWER FLOWS:

1. THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS SO AS TO MAINTAIN SEWER FLOWS AT ALL TIMES THROUGH EXISTING FACILITIES TO BE PLACED UNTIL NEW FACILITIES ARE COMPLETED AND PLACED IN USE.
2. ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS PART OF THE PROJECT PHASE SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED.
3. ALL EXISTING SEWERS SHOWN NOT TO BE DEMOLISHED SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN CONDITION RESULTING FROM THE CONTRACTORS OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR.

GENERAL CONSTRUCTION NOTES:

1. ALL TESTING FOR SANITARY SEWER, STORM SEWER, DOMESTIC WATER PIPING AND FIRE SERVICE PIPING REQUIRED BY LOCAL AUTHORITIES HAVING JURISDICTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL ASSOCIATED PERMITS AND FEES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. NO CONSTRUCTION SHALL COMMENCE UNTIL THE VILLAGE OF BRADFORD, DARK COUNTY, AND OHIO EPA "NOTICE OF INTENT" (NOI) PERMIT HAS BEEN ISSUED. NO ADDITIONS, DELETIONS OR REVISIONS TO THE SANITARY SEWER AND/OR WATER FACILITIES ARE TO BE MADE WITHOUT PRIOR WRITTEN APPROVAL.
3. ANY DEWATERING REQUIRED SHALL BE INCLUDED IN BID PRICE FOR THAT ITEM, NO CHANGES TO CONTRACT SUMS OR CONTRACT TIME WILL BE AUTHORIZED.
4. SOIL BORINGS, INCLUDING ROCK & WATER ELEVATIONS ARE ACCURATE ONLY AT THE LOCATION TAKEN AT THAT TIME AND WILL VARY BETWEEN POINTS. THE CONTRACTOR SHALL VERIFY & SUPPLEMENT HIS OWN SITE TESTING TO DETERMINE THE TYPE OF SOILS, ROCK ELEVATIONS & ROCK FRAGMENTATION'S FOR ENTIRE SITE FOR HIS OWN USE IN BIDDING. THE ROCK & WATER SURFACE SHOWN ON THE PLANS IS APPROXIMATE AND IS INTENDED FOR GENERAL KNOWLEDGE AND SHOULD NOT BE CONSIDERED ACCURATE. THE CONTRACTOR SHOULD COME TO HIS OWN CONCLUSIONS FROM HIS OWN SITE TESTING AND ANALYSIS. NO CHANGES TO CONTRACT SUMS OR CONTRACT TIME WILL BE AUTHORIZED.
5. NO DIMENSIONS SHALL BE SCALED. FOR UNCLEAR ITEMS SEND RFI.

SANITARY SEWER NOTES - ODOT 603 - PIPE CULVERTS, SEWERS & DRAINS:

1. ALL SANITARY SEWER PIPE SHALL CONFORM TO ASTM D-3034, SDR 35 FOR POLYVINYL PIPE AND FITTINGS AND ASTM D-3212 FOR THE JOINTS.
2. SANITARY MANHOLES SHALL BE TYPE "A" PRECAST CONCRETE CONFORMING TO ASTM-C478 WITH BOTTOMS TO BE CHANNELED.
3. JOINTS BETWEEN SANITARY MANHOLE SECTIONS SHALL CONFORM TO ASTM C-443.
4. ALL SANITARY LATERAL TAPS SHALL BE MADE WITH WYES, NO TAPPING OF MANHOLES IS PERMITTED. ALL SANITARY SEWER LATERALS SHALL BE EXTENDED TO 5' OF BUILDING AND PLUGGED.
5. SEE TYPICAL TRENCH DETAILS FOR BACKFILL REQUIREMENTS.
6. ALL SANITARY SEWER INSTALLATION SHALL BE INSPECTED BY THE VILLAGE OF BRADFORD/DARKE COUNTY PLUMBING INSPECTION.
7. THE CONTRACTOR SHALL NOT MAKE ANY PHYSICAL CONNECTION TO THE EXISTING SANITARY SEWER UNTIL THE REMAINING SEWER, EXCLUDING THE FIRST SPAN, HAS BEEN TESTED, INSPECTED, AND RELEASED BY THE VILLAGE OF BRADFORD/DARKE COUNTY PLUMBING DEPARTMENT.
8. ROOF DRAINS, FOUNDATION DRAINS, AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED.

MAINTENANCE OF TRAFFIC GENERAL REQUIREMENT:

1. THE REQUIRED WORK SHALL BE PERFORMED IN A MANNER THAT CAUSES THE LEAST INCONVENIENCE TO AND THAT PROVIDES THE MAXIMUM SAFETY FOR THE TRAVELING PUBLIC AND THE CONTRACTOR. THE REQUIREMENTS FOR MAINTAINING TRAFFIC AS INDICATED IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (REFERRED TO AS THE "OMUTCD"), CURRENT EDITION, AND PERTINENT ITEMS IN THE ODOT SPECIFICATIONS SHALL APPLY IN ADDITION TO THE FOLLOWING NOTES.
2. SHOULD ANY PAVED AREAS NOT DESIGNATED FOR MAINTAINING TRAFFIC BECOME DAMAGED OR DESTROYED DURING CONSTRUCTION DUE TO THE CONTRACTOR'S NEGLIGENCE OR FAILURE TO PROVIDE ADEQUATE SIGNS, BARRICADES, DRUMS, FLAGGERS OR OTHER TRAFFIC CONTROL DEVICES, THE RESTORATION OF THE PAVED AREAS SHALL BE AT THE EXPENSE OF THE CONTRACTOR.
3. DRUMS SHALL BE REFLECTORIZED, AND USED IN ACCORDANCE WITH ITEM 614.03 AND THE OMUTCD. DRUMS SHALL BE SPACED AT A MAXIMUM INTERVAL OF 25 FEET CENTER TO CENTER UNLESS SHOWN OTHERWISE ON THESE PLAN. DRUMS SHALL BE SPACED AT 10 FOOT INTERVALS ALONG ALL CURB RADII. THE CONTRACTOR SHALL ADJUST THE SPACING ON ALL DRUMS TO ALLOW ACCESS AS REQUIRED, WHILE MAINTAINING SAFETY DURING CONSTRUCTION.
4. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE, ERECT, MAINTAIN (PROPER POSITION, KEPT CLEAN AND LEGIBLE, AND IN GOOD WORKING CONDITION), LIGHTS, SIGNS, DRUMS AND ALL OTHER TRAFFIC CONTROL DEVICES NECESSARY FOR THE MAINTENANCE OF TRAFFIC.
5. ALL SIGNS SHALL BE REFLECTORIZED OR ILLUMINATED. PLACEMENT OF ALL TRAFFIC CONTROL DEVICES SHALL START AND PROCEED IN THE DIRECTION OF THE FLOW OF TRAFFIC. REMOVAL OF TRAFFIC CONTROL DEVICES SHALL BEGIN AT THE END OF THE CONSTRUCTION AREA AND PROCEED TOWARD ONCOMING TRAFFIC. THE CONTRACTOR SHALL PROVIDE FOR THE INSTALLATION OF ALL NECESSARY TRAFFIC CONTROL DEVICES BEFORE BEGINNING WORK AND IMMEDIATELY REMOVE THESE DEVICES WHEN WORK IS SUSPENDED OR COMPLETE.
6. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL LOCAL DRIVES, PRIVATE OR PUBLIC, WITHIN THE PROJECT LIMITS THROUGHOUT CONSTRUCTION.
7. BEFORE THE WORK BEGINS, THE CONTRACTOR WILL PROVIDE THE CONSTRUCTION MANAGER WITH THE NAMES AND TELEPHONE NUMBERS OF TWO (2) PERSONS WHO CAN BE CONTACTED 24 HOURS A DAY BY THE CONSTRUCTION MANAGER, AFFECTED PUBLIC AGENCIES, AND ALL INTERESTED POLICE AGENCIES, TO REPAIR AND/OR REPLACE THE TRAFFIC CONTROL DEVICES AS NEEDED TO MAINTAIN THE SAFETY OF THE TRAVELED PAVEMENT.
8. ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH ITEM 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR 614, MAINTAINING TRAFFIC.

REVISIONS

NO.	DATE	DESCRIPTION	BY

FOR REVIEW
07/01/2026

WATER LINE NOTES - ODOT 638 - WATER MAINS & SERVICE BRANCHES:

1. ALL WATER DOMESTIC LINE, WATER FIRE LINE, AND WATER IRRIGATION LINE CONSTRUCTION AND MATERIAL SHALL BE IN ACCORDANCE WITH THE VILLAGE OF BRADFORD/DARKE COUNTY CONSTRUCTION AND MATERIAL SPECIFICATIONS (LATEST EDITION) AND DEPARTMENT OF WATER ENGINEERING STANDARDS FOR WATER (LATEST EDITION).
2. INSPECTION WILL BE BY THE VILLAGE OF BRADFORD/DARKE COUNTY DEPARTMENT OF WATER AND THE VILLAGE OF BRADFORD/DARKE COUNTY FIRE DEPARTMENT. THE CONTRACTOR SHALL COORDINATE AND PAY FOR ALL REQUIRED TESTING AND INSPECTIONS BY THE AUTHORITIES HAVING JURISDICTION.
3. IF REQUIRED NO SERVICE CONNECTIONS SHALL BE MADE TO THE WATER MAIN UNTIL THE MAIN LINE HAS BEEN TESTED, INSPECTED AND RELEASED FOR TAPS BY THE CITY OF DAYTON WATER DEPARTMENT.
4. FIRE HYDRANTS SHALL BE LOCATED WHERE SHOWN AND PUMPER OPENING TO FACE THE STREET OR PAVEMENT. CENTERLINE OF PUMPER CONNECTION TO HAVE 18" TO 21" CLEARANCE FROM FINISH GRADE UNLESS OTHERWISE DETAILED.
5. SEE TYPICAL TRENCH DETAILS FOR BACKFILL REQUIREMENTS.
6. WATER LINES SHALL HAVE 4'-6" MINIMUM COVER AND A MINIMUM HORIZONTAL SEPARATION OF 10' FROM SEWERS WHEN LAID PARALLEL TO THEM.
7. WATER LINES CROSSING ANY AND ALL SEWERS SHALL HAVE A MINIMUM VERTICAL SEPARATION OF 18" BETWEEN THE OUTSIDES OF THE WATER MAIN PIPE AND THE SEWER PIPE. ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED AT THE POINT OF CROSSING SUCH THAT BOTH JOINTS WILL BE EQUIDISTANT AND AS FAR FROM THE SEWER AS POSSIBLE. IF THE WATER LINE CROSSES BELOW THE SANITARY SEWER, THE SEWER MUST BE CONSTRUCTED OF WATER MAIN MATERIAL FOR A DISTANCE OF 10' EACH SIDE OF THE CROSSING.
8. THE WATER LINES SHALL BE POLYVINYL CHLORIDE (PVC) PIPE CLASS 150 DR18 AND CONFORM TO ASTM D-1748, ASTM F-477, ASTM D3139 AND AWWA C900. A 3" WIDE DETECTABLE BLUE MARKING TAPE WITH TRACER WIRE AND THE WORDS "CAUTION:BURIED WATERLINE BELOW" IN BLACK LETTERING TO BE INSTALLED OVER PIPE. THE MARKING TAPE SHALL BE AS MANUFACTURED BY PRO-LINE SAFETY PRODUCTS OR APPROVED EQUAL.
9. WATER LINE FITTINGS SHALL BE DUCTILE IRON WITH MECHANICAL JOINT ENDS CONFORMING TO ANSI A 21.10 (AWWA C-110), ANSI A 21.11 (AWWA C-104) OR ANSI A 21.53 (AWWA C-153) DUCTILE IRON, COMPACT FITTINGS WITH MECHANICAL JOINT ENDS.
10. RESTRAINED JOINTS ARE REQUIRED FOR DEAD END VALVES, PLUGS, TEES AND BENDS. RESTRAINED JOINTS SHALL BE EBBA IRON SERIES 2000 PV AND SERIES 1600 FOR USE ON PVC PIPE OR APPROVED EQUAL. SEE DETAIL ON SITE DETAILS SHEET FOR RESTRAINED JOINT LENGTH REQUIREMENTS.
11. THE PROCEDURES FOR PRESSURE, LEAK TESTING AND DISINFECTING THE WATER MAINS AND THE CHEMICALS TO BE USED SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE VILLAGE OF BRADFORD AND DARKE COUNTY.
12. NO CONSTRUCTION SHALL COMMENCE UNTIL VILLAGE OF BRADFORD AND/OR DARKE COUNTY PERMITS HAVE BEEN ISSUED AS REQUIRED.
13. NO ADDITIONS, DELETIONS OR REVISIONS TO THE WATER LINES ARE TO BE MADE WITHOUT WRITTEN APPROVAL BY THE VILLAGE OF BRADFORD/DARKE COUNTY DEPARTMENT OF WATER.

STORM SEWER NOTES - ODOT 603 - PIPE CULVERTS, SEWERS & DRAINS:

1. ALL STORM SEWER INSTALLED WITHIN THE R/W SHALL BE POLYETHYLENE STORM SEWER OR REINFORCED CONCRETE CLASS IV WHERE SPECIFIED.
2. ALL STORM SEWER INSTALLED OUTSIDE OF THE R/W SHALL BE POLYETHYLENE ADS-N-12, ASTM F2648 OR EQUAL, UNLESS OTHERWISE NOTED.
3. SEE TYPICAL TRENCH DETAILS FOR BACKFILL REQUIREMENTS
4. ALL STORM HEADWALLS & ENDWALLS TO BE ODOT TYPE AS SPECIFIED AND SHALL CONFORM TO ODOT SPECIFICATIONS & DETAILS, UNLESS OTHERWISE NOTED.
5. ALL STORM MANHOLES TO BE ODOT TYPE MH-3 w/CONCENTRIC CONE TOP AND SHALL CONFORM TO ODOT SPECIFICATIONS & DETAILS, UNLESS OTHERWISE NOTED.
6. ALL CATCH BASINS SHALL BE ODOT TYPE AS SPECIFIED AND SHALL CONFORM TO ODOT SPECIFICATIONS & DETAILS, UNLESS OTHERWISE NOTED. ALL ADJUSTMENTS TO CATCH BASINS AND MANHOLES TO BE PER ODOT, DARKE COUNTY AND VILLAGE OF BRADFORD STANDARDS.
7. ALL PROPOSED GRATES FOR BASINS LOCATED IN PAVEMENT AREAS TO BE CONSISTENT WITH ODOT STANDARD SPECIFICATIONS FOR ROAD AND HIGHWAY. BICYCLE SAFE GRATES AND ALL EXISTING & PROPOSED GRATES FOR CATCH BASINS IN NON-PAVED AREAS SHALL BE PEDESTRIAN SAFE HAVING OPENINGS OF NO MORE THAN 1/2" WIDE, UNLESS OTHERWISE NOTED.
8. DUE TO SOIL TYPES AND/OR SHALLOW BEDROCK, SEASONAL SEEPS MAY OCCUR, SUCH SEEPAGE SHALL BE IDENTIFIED DURING CONSTRUCTION AND PIPED INTO THE STORM SEWER SYSTEM.

UNRECORDED/UNKNOWN DRAINS:

1. EXISTING DRAIN TILE DAMAGED OR REMOVED AS A RESULT OF THE CONTRACTORS OPERATIONS SHALL BE REPLACED OR CONNECTED TO THE STORM SEWER.

SITE ELECTRIC, CATV, COMMUNICATIONS AND PLUMBING NOTES:

1. REFER TO ARCHITECTURAL PLANS AND ELECTRICAL PLANS FOR ALL SPECIFICATIONS AND REQUIREMENTS FOR INSTALLATION OF ELECTRIC (D.P.&L.), VOICE (VERIZON), CATV (TIME WARNER) AND FIBER (TIME WARNER) SERVICES.
2. REFER TO ARCHITECTURAL PLANS AND PLUMBING SITE PLAN FOR ALL SPECIFICATIONS AND REQUIREMENTS FOR INSTALLATION OF GAS SERVICE.

TEMPORARY SOIL EROSION AND SEDIMENT CONTROL:

1. THE CONTRACTOR SHALL IMPLEMENT THE SOIL AND EROSION CONTROL PLAN TO ELIMINATE EXCESS RUNOFF AND TO PROTECT RECEIVING STORM SEWERS, STRUCTURES, AND STREAMS FROM SEDIMENTATION. THIS SHALL INCLUDE BUT NOT LIMITED TO THE ERECTION OF THE SILT FENCES, PLACEMENT OF SILT BARRIERS, INSTALLATION OF CHECK DAMS, AND INSTALLATION OF MEASURES TO PROTECT MAN-HOLES OR SEWER INLETS AS REQUIRED. DITCH CHECKS OR CHECK DAMS SHALL BE INSTALLED AT A MAXIMUM SPACING OF 50 FEET ALONG ALL PROPOSED PERMANENT OR TEMPORARY DRAINAGE SWALES.
2. THE LOCATION AND TIMING OF ALL EROSION AND SEDIMENT CONTROL ITEMS SHALL BE FIELD ADJUSTED TO PREVENT SIGNIFICANT IMPACTS ON RECEIVING WATERS. IMPLEMENTATION OF THIS STORM WATER POLLUTION PREVENTION PLAN (SWP3) SHALL CONTINUE THROUGHOUT THE DURATION OF THE OF THE PROJECT OR UNTIL SUCH TIME THAT THE UPSLOPE DISTURBED AREAS ARE STABILIZED.
3. INSTALLATION OF SEDIMENT BASINS/DAMS, PERIMETER FILTER FABRIC FENCE, AND DITCH CHECKS SHALL BE CONCURRENT WITH THE CLEARING AND GRUBBING AND/OR GRADING OPERATIONS. ALL REASONABLE ATTEMPTS SHOULD BE MADE TO MINIMIZE THE TOTAL AREA OF DISTURBED LAND.
4. AREAS TO REMAIN DORMANT FOR MORE THAN 21 DAYS SHOULD BE IMMEDIATELY STABILIZED WITH TEMPORARY SEEDING AND MULCHING, EROSION CONTROL MATTING OR OTHER APPROPRIATE EROSION CONTROL MEASURES.
5. EROSION CONTROL DETAILS ARE INCLUDED ON SWP3 DETAIL SHEET.

OVERNIGHT TRENCH CLOSING:

1. ALL UTILITY TRENCHES ARE TO BE BACKFILLED OR COVERED WITH STEEL PLATES AT THE END OF EACH WORKING DAY. THIS INCLUDES BUT IS NOT LIMITED TO TRENCHS CREATED DURING THE DEMOLITION OF EXISTING SITE UTILITIES. REFER TO THE TRENCH BACKFILL REQUIREMENTS INDICATED IN THE DETAILS ON SITE DETAILS SHEET. IF THE CONTRACTOR ELECTS TO BACKFILL UTILITY TRENCHES THE BACKFILL MUST BE INSTALLED 0" TO 2" ABOVE ADJACENT GRADE.

SURVEYING & LAYOUT:

1. ALL SURVEYING FOR THE CONSTRUCTION ON THIS PROJECT TO BE BY OR UNDER THE DIRECTION OF A REGISTERED SURVEYOR LICENSED FOR THE STATE OF OHIO & ALL AS-BUILT INFORMATION SHALL BE PROVIDED BY THE REGISTERED SURVEYOR & SEALED IF REQUIRED. ALL LAYOUT INFORMATION SHALL BE TAKEN FROM THE PROJECT CONSTRUCTION PLANS ONLY.

MATERIAL SPECIFICATIONS:

1. ALL CONCRETE TO BE ODOT CLASS C UNLESS OTHERWISE NOTED.
2. ALL REINFORCING STEEL TO BE ODOT - 509 & ODOT - 709.01.

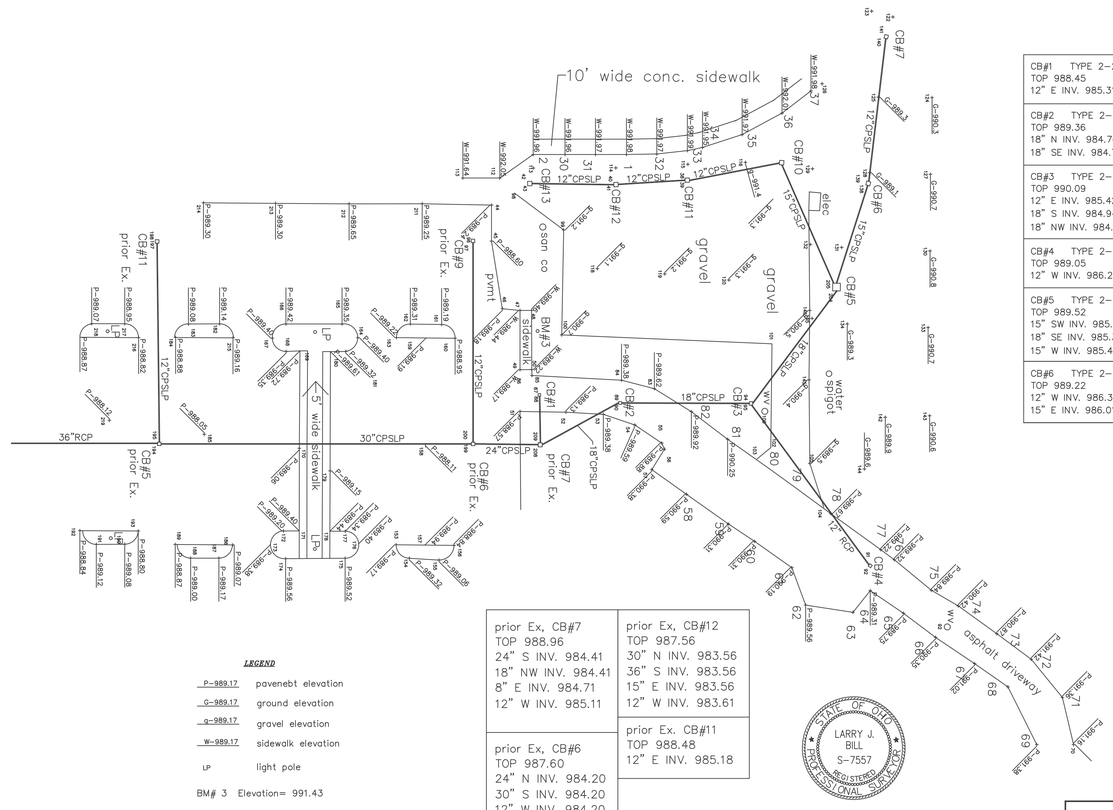
BRUMBAUGH ENGINEERING & SURVEYING, LLC
2270 SOUTH MIAMI STREET
WEST MILTON, OHIO 45383
PHONE (937) 698-3000
FAX (937) 698-3928

JOHN J. BRUMBAUGH
REGISTERED ENGINEER OF OHIO NO. 63257

AS-BUILT FOR BRADFORD SCHOOLS

SCALE: 1" = 40'

BASIS OF BEARING IS ASSUMED AND IS USED TO DENOTE ANGULAR MEASUREMENT ONLY.



CB#1 TYPE 2-2B TOP 988.45 12" E INV. 985.31	CB#7 TYPE 2-2B TOP 989.28 12" W INV. 986.80
CB#2 TYPE 2-2B TOP 989.36 18" N INV. 984.76 18" SE INV. 984.76	CB#10 TYPE 2-2B TOP 990.59 12" S INV. 986.73 15" NE INV. 986.48 15" SW INV. 986.48
CB#3 TYPE 2-2B TOP 990.09 12" E INV. 985.42 18" S INV. 984.94 18" NW INV. 984.94	CB#11 TYPE 2-2B TOP 991.48 12" S INV. 987.30 12" N INV. 987.30
CB#4 TYPE 2-2B TOP 989.05 12" W INV. 986.23	CB#12 TYPE 2-2B TOP 991.54 12" S INV. 987.48 12" N INV. 987.48
CB#5 TYPE 2-2B TOP 989.52 15" SW INV. 985.22 18" SE INV. 985.32 15" W INV. 985.42	CB#13 TYPE 2-2B TOP 991.50 12" N INV. 987.95
CB#6 TYPE 2-2B TOP 989.22 12" W INV. 986.30 15" E INV. 986.01	

prior Ex, CB#7 TOP 988.96 24" S INV. 984.41 18" NW INV. 984.41 8" E INV. 984.71 12" W INV. 985.11	prior Ex, CB#12 TOP 987.56 30" N INV. 983.56 36" S INV. 983.56 15" E INV. 983.56 12" W INV. 983.61
prior Ex, CB#6 TOP 987.60 24" N INV. 984.20 30" S INV. 984.20 12" W INV. 984.20	prior Ex. CB#11 TOP 988.48 12" E INV. 985.18
prior EX. CB#9 TOP 988.33 12" E INV. 984.84	

LEGEND

P-989.17	pavenebt elevation
G-989.17	ground elevation
g-989.17	gravel elevation
W-989.17	sidewalk elevation
LP	light pole

BM# 3 Elevation= 991.43

LARRY J. BILL, P.S. #7557 DATE

Larry J. Bill
Professional Surveyor
9826 New Harrison-Bradford Road
Bradford, Ohio 45308
Phone (937) 448-6320

FOR REVIEW
07/01/2026

PLAN NORTH

NORTH

2 WORKING DAYS
BEFORE YOU DIG
CALL TOLL FREE 800-362-2764
OHIO UTILITIES PROTECTION SERVICE

HORIZONTAL SCALE 1"=20'
0' 20' 40' 60'

BRUMBAUGH ENGINEERING & SURVEYING, LLC
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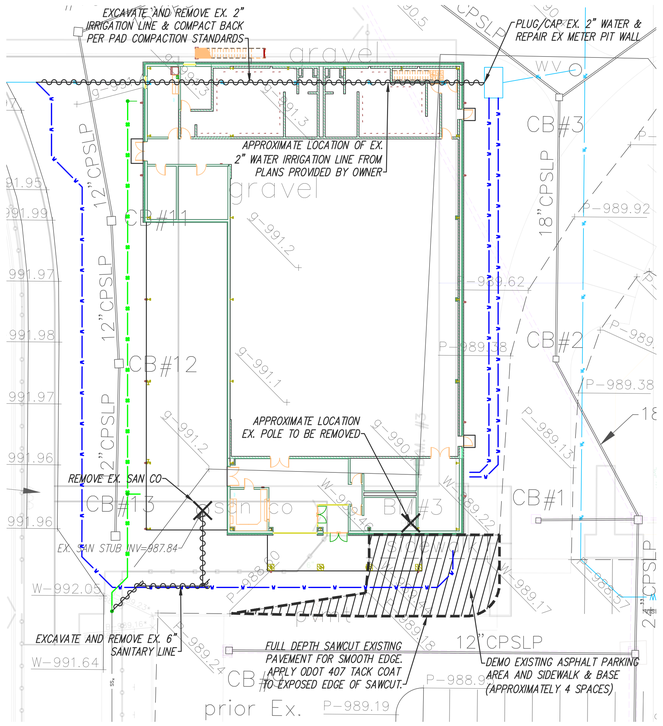
PROJECT NO.:	290.26
DATE:	7/1/2026
DRAWN BY:	GWC
DESIGNED BY:	NJB
CHECKED BY:	JJB
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EXISTING CONDITIONS PLAN
FOR
BRADFORD NEW ATHLETIC FACILITIES
LOCATED AT 760 RAILROAD AVENUE
SECTION 16, TOWNSHIP 9 NORTH, RANGE 4 EAST
VILLAGE OF BRADFORD, DARKE COUNTY, STATE OF OHIO

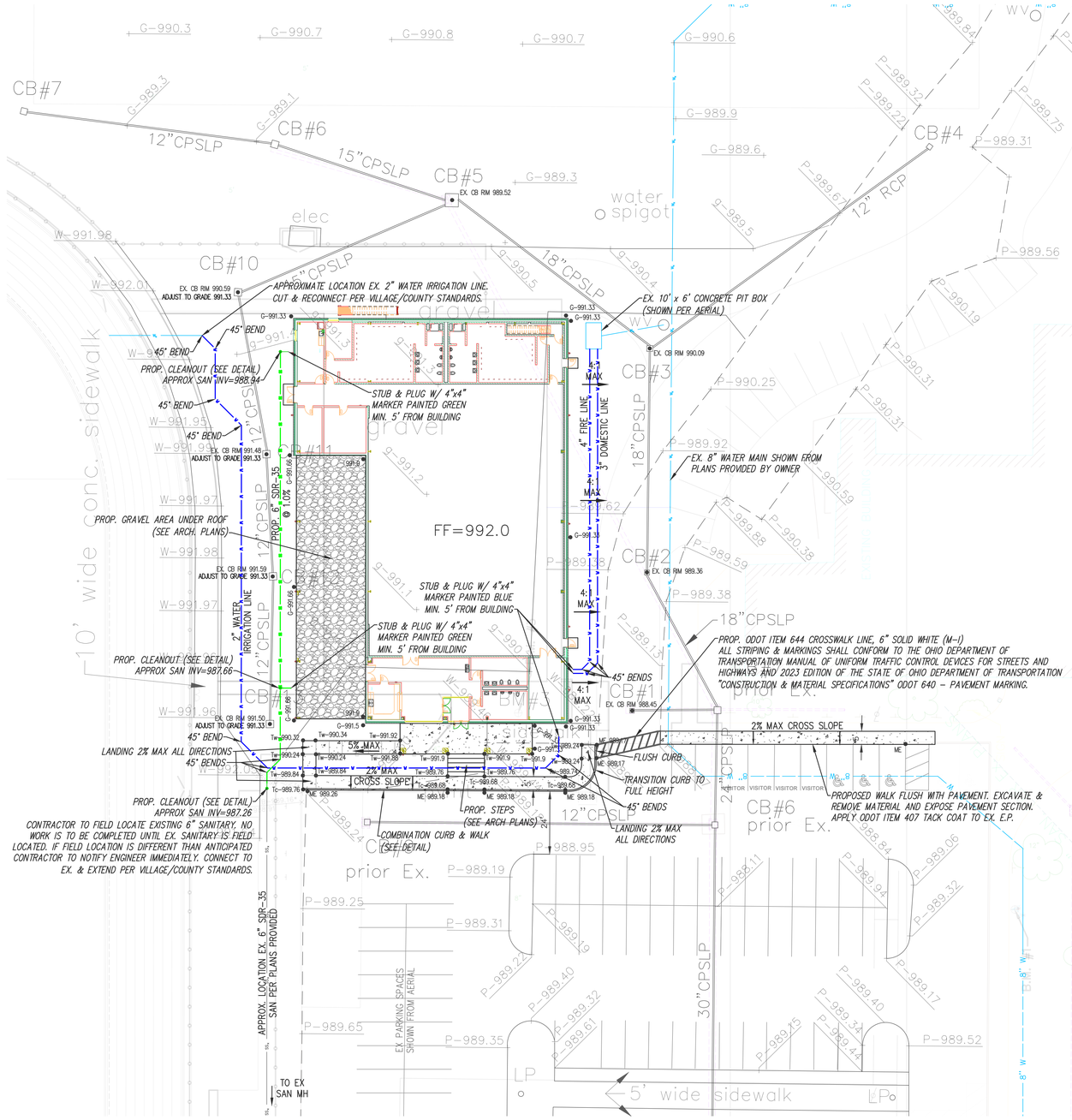
SHEET C2
OF 4

DEMOLITION LEGEND

REPRESENTS PAVEMENT & WALK TO BE REMOVED (FULL DEPTH REMOVAL REQUIRED) UNLESS NOTED OTHERWISE



DEMOLITION PLAN
SCALE 1"=20'

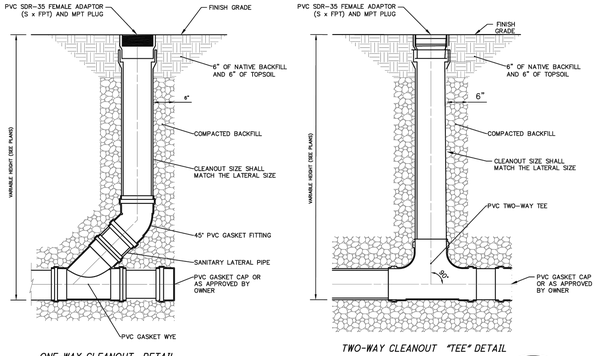


PROPOSED LEGEND

	EXISTING DRAINAGE ARROWS
	PROPOSED DRAINAGE ARROWS
• G-990.5	PROPOSED GROUND SPOT GRADE
• Tc-990.5	PROPOSED TOP BACK CURB GRADE
• Tw-990.5	PROPOSED TOP WALK GRADE
• ME 990.5	PROPOSED MATCH EXISTING GRADE

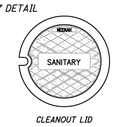
CB#1 TYPE 2-2B TOP 988.45 12" E INV. 985.31	CB#7 TYPE 2-2B TOP 989.28 12" W INV. 986.80
CB#2 TYPE 2-2B TOP 989.36 18" N INV. 984.76 18" SE INV. 984.76	CB#10 TYPE 2-2B TOP 990.59 12" S INV. 986.73 15" NE INV. 986.48 15" SW INV. 986.48
CB#3 TYPE 2-2B TOP 990.09 12" E INV. 985.42 18" S INV. 984.94 18" NW INV. 984.94	CB#11 TYPE 2-2B TOP 991.48 12" S INV. 987.30 12" N INV. 987.30
CB#4 TYPE 2-2B TOP 989.05 12" W INV. 986.23	CB#12 TYPE 2-2B TOP 991.54 12" S INV. 987.48 12" N INV. 987.48
CB#5 TYPE 2-2B TOP 989.52 15" SW INV. 985.22 18" SE INV. 985.32 15" W INV. 985.42	CB#13 TYPE 2-2B TOP 991.50 12" N INV. 987.95
CB#6 TYPE 2-2B TOP 989.22 12" W INV. 986.30 15" E INV. 986.01	

prior Ex, CB#7 TOP 988.96 24" S INV. 984.41 18" NW INV. 984.41 8" E INV. 984.71 12" W INV. 985.11	prior Ex, CB#12 TOP 987.56 30" N INV. 983.56 36" S INV. 983.56 15" E INV. 983.56 12" W INV. 983.61
prior Ex, CB#6 TOP 987.60 24" N INV. 984.20 30" S INV. 984.20 12" W INV. 984.20	prior Ex. CB#11 TOP 988.48 12" E INV. 985.18
prior EX. CB#9 TOP 988.33 12" E INV. 984.84	



ONE-WAY CLEANOUT DETAIL
(NON-TRAFFIC AREAS)

TWO-WAY CLEANOUT "TEE" DETAIL
(NON-PAVEMENT AREAS)



CLEANOUT LID

NOTES

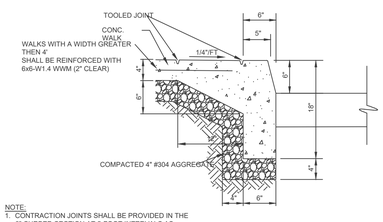
A. CLEANOUT REQUIRED AT THE R/W OR EASEMENT LINE UNLESS OTHERWISE SHOWN IN THE PLANS.

B. CLEANOUT MATERIALS SHALL BE SCH. 40 (GLUED JOINTS) OR SDR-35 PVC AND THE DIA. SHALL MATCH THE LATERAL PIPE DIA.

C. TRACER WIRE REQUIRED FOR EACH SANITARY SEWER LATERAL FROM THE MAIN TO THE CLEANOUT. TRACER WIRE SHALL BE EXTENDED UP THE CLEANOUT RISER TO A POINT JUST BELOW CLEANOUT CAP WHERE A 3/32" HOLE SHALL BE DRILLED THROUGH THE WALL OF THE PIPE.

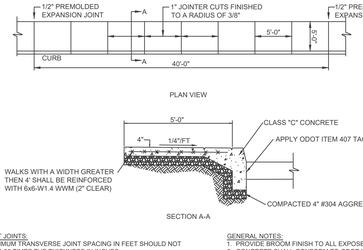
D. CLEANOUT FRAME AND LID SHALL BE NEENAH R-1976, EJW 1578ZPT FRAME/1578A LID, OR SIGMA VB2276. LID MARKED "SANITARY"

E. THE CLEANOUT AND ALL THE COMPONENTS SHOWN IN THE DETAILS SHALL BE INCLUDED IN THE COST OF ITEM 611 SANITARY SEWER LATERALS.



NOTE:
1. CONTRACTION JOINTS SHALL BE PROVIDED IN THE 6" CURBED SECTION AT 5-FOOT INTERVALS AS EXTENSIONS OF WALK JOINTS PER ODOT ITEM 451.
2. 1/2" PREMOLDED EXPANSION JOINTS SHALL BE CONSTRUCTED AT P.C. POINTS & AT 30 FOOT INTERVALS AS EXTENSION OF WALK EXPANSION JOINTS.

WALK AND COMBINATION CURB DETAIL

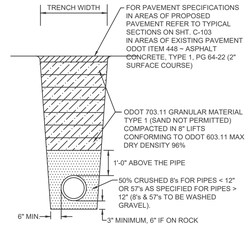


CONSTRUCT JOINTS:
1. THE MAXIMUM TRANSVERSE JOINT SPACING IN FEET SHOULD NOT EXCEED 1.25 TIMES THE THICKNESS IN INCHES.
2. ALL PANELS SHOULD BE SQUARE OR NEARLY SO. THE WIDTH SHOULD NOT EXCEED 1.2 TIMES THE LENGTH. L-SHAPED PANELS ARE NOT ALLOWED.
3. THE JOINT GROOVE SHOULD HAVE A DEPTH OF 1/4 THE THICKNESS OF THE SLAB, BUT NOT LESS THAN ONE INCH. TOOLED JOINTS MUST BE RUN EARLY IN THE FINISHING PROCESS AND RERUN LATER TO ASSURE GROOVE BOND HAS NOT OCCURRED.

GENERAL NOTES:
1. PROVIDE BROOM FINISH TO ALL EXPOSED SURFACES.
2. CONCRETE SHALL CONFORM TO ODOT ITEM 499 CONCRETE.
3. PROVIDE A MINIMUM OF 2" EDGING AROUND ALL EXPOSED SURFACES.

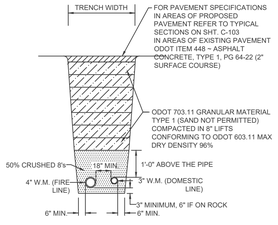
CONCRETE SIDEWALK DETAIL

NOTES:
1. ALL UTILITY TRENCHES ARE TO BE BACKFILLED OR COVERED WITH STEEL PLATES AT THE END OF EACH WORKING DAY. THIS INCLUDES BUT IS NOT LIMITED TO TRENCHES CREATED DURING THE DEMOLITION OF EXISTING SITE UTILITIES. IF THE CONTRACTOR ELECTS TO BACKFILL UTILITY TRENCHES THE BACKFILL MUST BE INSTALLED 0" TO 2" ABOVE ADJACENT GRADE.
2. ALL TRENCHES SHALL BE BACKFILLED CLOSEST TO THE INSTALLATION & NOT LEFT UNATTENDED.



SANITARY SEWER UTILITY TRENCH EXCAVATION AND BACKFILL REQMTS.

NOTES:
1. ALL UTILITY TRENCHES ARE TO BE BACKFILLED OR COVERED WITH STEEL PLATES AT THE END OF EACH WORKING DAY. THIS INCLUDES BUT IS NOT LIMITED TO TRENCHES CREATED DURING THE DEMOLITION OF EXISTING SITE UTILITIES. IF THE CONTRACTOR ELECTS TO BACKFILL UTILITY TRENCHES THE BACKFILL MUST BE INSTALLED 0" TO 2" ABOVE ADJACENT GRADE.
2. ALL TRENCHES SHALL BE BACKFILLED CLOSEST TO THE INSTALLATION & NOT LEFT UNATTENDED.



WATER MAIN (FIRE LINE, DOMESTIC & UTILITY) TRENCH EXCAVATION AND BACKFILL REQMTS.

FOR REVIEW
07/01/2026

PLAN NORTH



2 WORKING DAYS BEFORE YOU DIG CALL TOLL FREE 800-362-2764 OHIO UTILITIES PROTECTION SERVICE

HORIZONTAL SCALE 1"=20'
0' 20' 40' 60'

BRUMBAUGH ENGINEERING & SURVEYING, LLC
2270 SOUTH MIAMI STREET
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PHONE: (937) 698-3000
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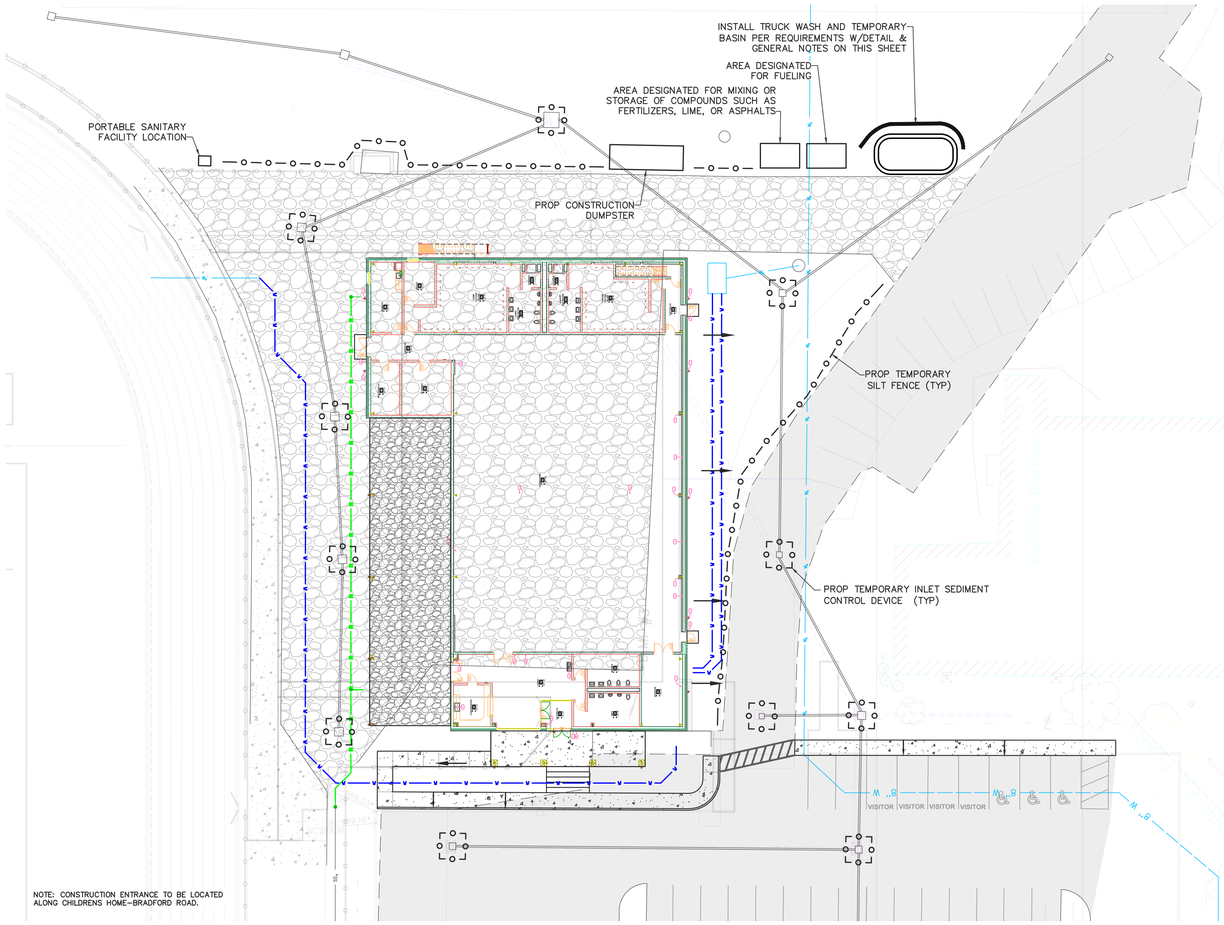
SITE, GRADING & UTILITY AND DEMOLITION PLAN

FOR

BRADFORD NEW ATHLETIC FACILITIES

LOCATED AT 760 RAILROAD AVENUE
SECTION 16, TOWNSHIP 9 NORTH, RANGE 4 EAST
VILLAGE OF BRADFORD, DARKE COUNTY, STATE OF OHIO

SHEET C3 OF 5



STORMWATER POLLUTION PREVENTION PLAN GENERAL NOTES & REQUIREMENTS

ADMINISTRATIVE REQUIREMENTS

1. IF SITE DISTURBANCE IS GREATER THAN I ACRE, FILE THE NOI WITH OHIO EPA AT LEAST 21 DAYS PRIOR TO THE START OF ANY CONSTRUCTION.
2. IF PROJECT IS WITHIN AN URBANIZED AREA (UA) OR AREA WHERE THERE IS LOCAL APPROVAL OF SEDIMENT AND EROSION CONTROL PLANS, A COPY OF THE NOI MUST ALSO BE SUBMITTED TO THE LOCAL APPROVING AGENCY.
3. NO CONSTRUCTION ACTIVITIES MAY BEGIN UNTIL YOU RECEIVE A DIRECTORS AUTHORIZATION LETTER GRANTING COVERAGE UNDER THE NPDES PERMIT.
4. A COPY OF THE NOI, DIRECTORS AUTHORIZATION LETTER AND STORMWATER POLLUTION PREVENTION PLAN (SWP3) MUST BE KEPT ON SITE DURING WORKING HOURS.
5. AMEND THE SWP3 WHENEVER THERE IS A CHANGE IN SITE DESIGN, CONSTRUCTION, OPERATION OR MAINTENANCE THAT REQUIRES THE INSTALLATION OF BEST MANAGEMENT PRACTICES (BMP's) OR MODIFICATIONS TO EXISTING BMP's.
6. WHILE THE SWP3 IS NOT TYPICALLY SUBMITTED TO OHIO EPA AT THE TIME THE NOI IS FILED, OHIO EPA MAY REVIEW THE SWP3 AT ANY TIME. IF OHIO EPA REQUESTS CHANGES TO THE SWP3 IN WRITING, THEY MUST BE MADE WITHIN 7 DAYS OF THE REQUEST.
7. MAINTAIN A WRITTEN DOCUMENT ACKNOWLEDGING UNDERSTANDING OF THE SWP3 AND RESPONSIBILITIES UNDER THE PLAN SIGNED BY ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED IN THE IMPLEMENTATION OF THE SWP3.
8. FORTY-EIGHT HOURS PRIOR TO ANY EARTH DISTURBING WORK, THE CONTRACTOR SHALL NOTIFY THE VILLAGE DEPARTMENT OF WATER.

REQUIREMENTS REGARDING EROSION CONTROLS

1. BMP's, WHICH PRESERVE THE EXISTING NATURAL SITE CONDITION AS MUCH AS FEASIBLE ARE REQUIRED TO BE UTILIZED IN THE SWP3, SUCH AS PHASED CONSTRUCTION TO MINIMIZE LAND DISTURBED AT ANY ONE TIME, PRESERVING RIPARIAN AREAS AND LEAVING EXISTING VEGETATION IN PLACE FOR AS LONG AS POSSIBLE.
2. STABILIZATION OF DISTURBED AREAS MUST BE INITIATED WITHIN 7 DAYS OF REACHING FINAL GRADE.
3. AREAS WITHIN 50 FEET OF A STREAM (INCLUDING INTERMITTENT STREAMS) MUST BE STABILIZED WITHIN 2 DAYS OF THE MOST RECENT DISTURBANCES.
4. TEMPORARY STABILIZATION OF DISTURBED AREAS THAT WILL BE REWORKED, BUT NOT FOR 21 DAYS OR MORE FROM THE DATE THEY WERE LAST DISTURBED, MUST BE INITIATED WITHIN 7 DAYS OF LAST DISTURBANCE.
5. DISTURBED AREAS INTENDED TO BE LEFT IDLE OVER WINTER MUST BE STABILIZED PRIOR TO THE ONSET OF WINTER WEATHER, I.E., SUSTAINED SNOW COVER OR FROZEN GROUND CONDITIONS.
6. SPECIAL MEASURES MUST BE TAKEN AS NECESSARY TO STABILIZE DRAINAGE CHANNELS AND STORM WATER OUTFALLS.
7. RUNOFF MUST BE DIVERTED AWAY FROM DISTURBED AREAS AND STEEP SLOPES WHEREVER PRACTICABLE.
8. **PROPERTIES ADJACENT TO THE SITE OF LAND DISTURBANCE WILL BE PROTECTED FROM SEDIMENT DEPOSITION. THIS WILL BE ACCOMPLISHED BY PRESERVING A WELL VEGETATED BUFFER STRIP AROUND THE LOWER PERIMETER OF LAND DISTURBANCE. BY INSTALLING PERIMETER CONTROLS SUCH AS SEDIMENT TRAPS, FILTERS OR DIKES, OR SEDIMENT BASINS, OR BY A COMBINATION OF SUCH MEASURES. VEGETATED FILTER STRIPS MAY BE USED ALONE ONLY WHERE THE RUNOFF IN SHEET FLOW IS EXPECTED. FILTER STRIPS SHOULD BE AT LEAST 15 FEET IN WIDTH. IF AT ANY TIME IT IS FOUND THAT A VEGETATED FILTER STRIP ALONE IS INEFFECTIVE IN STOPPING SEDIMENT MOVEMENT INTO ADJACENT PROPERTY, ADDITIONAL PERIMETER CONTROLS MUST BE PROVIDED.**
9. CUT AND FILL SLOPES WILL BE DESIGNED AND CONSTRUCTED IN A MANNER WHICH WILL MINIMIZE EROSION. SLOPES WHICH ARE FOUND TO BE ERODING EXCESSIVELY WITHIN ONE YEAR OF CONSTRUCTION WILL BE PROVIDED WITH ADDITIONAL SLOPE STABILIZING MEASURES UNTIL THE PROBLEM IS CORRECTED.

MAINTENANCE REQUIREMENTS

1. ALL BMPs MUST BE MAINTAINED IN A FUNCTIONAL CONDITION UNTIL ALL UPSLOPE AREAS THEY CONTROL ARE PERMANENTLY RESTABILIZED.
2. QUALIFIED PERSONNEL (PROVIDED BY THE CONTRACTOR) MUST INSPECT ALL BMP's AT LEAST ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL WITHIN ANY 24-HOUR PERIOD AND DETERMINE IF THE SWP3 HAS BEEN PROPERLY IMPLEMENTED.
3. WRITTEN REPORTS SUMMARIZING INSPECTION RESULTS MUST BE MADE AVAILABLE UPON REQUEST. REPORTS MUST INCLUDE: DATE OF INSPECTION, NAME AND QUALIFICATIONS OF THE INSPECTOR, WEATHER CONDITIONS, LOCATIONS WHERE IN-STREAM OR OFF-SITE SEDIMENTATION WAS OBSERVED, LOCATIONS OF BMP's NEEDING MAINTENANCE, LOCATIONS OF BMP's FAILING TO OPERATE CORRECTLY OR PROVIDE ADEQUATE PROTECTION, OR LOCATION OF AREAS IN NEED OF ADDITIONAL BMP's NOT IN PLACE AT THE TIME OF INSPECTION.
4. THE REPORTS MUST IDENTIFY INCIDENCES OF NONCOMPLIANCE WITH THE NPDES PERMIT. WHERE A REPORT DOES NOT IDENTIFY INCIDENCES OF NONCOMPLIANCE, THE REPORT MUST CONTAIN A CERTIFICATION THAT THE SITE IS IN COMPLIANCE AT THE TIME OF INSPECTION.
5. MAINTENANCE OR REPAIR OF BMP's MUST BE COMPLETED WITHIN 3 DAYS OF THE DATE OF THE INSPECTION THAT REVEALED THEY WERE DEFICIENT. FOR SEDIMENT PONDS, REPAIR OR MAINTENANCE IS REQUIRED WITHIN 10 DAYS OF THE DATE OF THE INSPECTION.
6. WHEN INSPECTIONS REVEAL THAT A BMP IS NOT EFFECTIVE AND THAT ANOTHER, MORE APPROPRIATE BMP IS REQUIRED, THE SWP3 MUST BE AMENDED AND THE MORE APPROPRIATE BMP MUST BE INSTALLED WITHIN 10 DAYS OF THE INSPECTION THAT REVEALED THE DEFICIENCY.

PERMIT CLOSURE REQUIREMENTS

1. ONCE A SITE REACHES FINAL STABILIZATION AND CONSTRUCTION ACTIVITIES HAVE CEASED, NPDES PERMIT COVERAGE IS TERMINATED BY FILING A NOTICE OF TERMINATION (NOT). THE NOT MUST BE FILED WITHIN 45 DAYS OF REACHING FINAL STABILIZATION.
2. FINAL STABILIZATION IS DEFINED AS ESTABLISHING A VEGETATIVE GROUND COVER OF AT LEAST 70% GROWTH DENSITY, OR OTHER MEANS OF PERMANENT STABILIZATION, OVER THE ENTIRE AREA DISTURBED BY CONSTRUCTION ACTIVITIES.
3. FINAL STABILIZATION ALSO REQUIRES THAT ALL TEMPORARY SEDIMENT AND EROSION CONTROLS BE REMOVED FROM THE PROPERTY AND ALL SEDIMENT THAT WAS TRAPPED BY THOSE CONTROLS TO BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION.

SPECIFICATIONS FOR TEMPORARY SEEDING

1. STRUCTURAL EROSION AND SEDIMENT - CONTROL PRACTICE SUCH AS DIVERSIONS AND SEDIMENT TRAPS SHALL BE INSTALLED AND STABILIZED WITH TEMPORARY SEEDING PRIOR TO GRADING THE REST OF THE CONSTRUCTION SITE.
2. TEMPORARY SEEDING SHALL BE APPLIED BETWEEN CONSTRUCTION OPERATIONS ON SOIL THAT WILL NOT BE GRADED OR REWORKED FOR 45 DAYS OR MORE. THESE IDLE AREAS SHOULD BE SEEDED AS SOON AS POSSIBLE AFTER GRADING OR SHALL BE SEEDED WITHIN 7 DAYS. SEVERAL APPLICATIONS OF TEMPORARY SEEDING ARE NECESSARY ON TYPICAL CONSTRUCTION PROJECTS.
3. THE SEEDBED SHOULD BE PULVERIZED AND LOOSE TO ENSURE THE SUCCESS OF ESTABLISHING VEGETATION. HOWEVER, TEMPORARY SEEDING SHALL NOT BE POSTPONED IF IDEAL SEEDED PREPARATION IS NOT POSSIBLE.
4. SOIL AMENDMENTS - APPLICATIONS OF TEMPORARY VEGETATION SHALL ESTABLISH ADEQUATE STANDS OF VEGETATION WHICH MAY REQUIRE THE USE OF SOIL AMENDMENTS. SOIL TESTS SHOULD BE TAKEN ON THE SITE TO PREDICT THE NEED FOR IME AND FERTILIZER.
5. THE TYPE OF SEEDING AND SEEDING RATES SHALL BE AS FOLLOWS:

REQUIREMENTS REGARDING SEDIMENT CONTROLS

1. PLAN SEDIMENT CONTROLS FOR ANY AREA THAT WILL REMAIN DISTURBED FOR 14 DAYS OR LONGER.
2. SEDIMENT CONTROLS MUST POND RUNOFF IN ORDER TO BE CONSIDERED FUNCTIONAL.
3. SEDIMENT BARRIERS, SUCH AS SILT FENCE OR DIVERSIONS, MUST BE IMPLEMENTED TO PREVENT SILT FROM ENTERING WATER RESOURCES THAT RUN THROUGH THE PROPERTY.
4. SILT FENCE IS ONLY ALLOWED TO BE USED TO CONTROL SHEET FLOW RUNOFF FROM LIMITED DRAINAGE AREAS. THE PERMISSIBLE DRAINAGE AREA PER 100 LINEAR FEET OF SILT FENCE IS DEPENDENT ON THE SLOPE BUT IS NO MORE THAN 0.5 ACRE. SILT FENCE CAN NOT BE USED TO CONTROL DRAINAGE AREAS WITH A SLOPE OF GREATER THAN 50%.
5. NO MORE THAN 10 ACRES MAY DRAIN TO A DIVERSION.
6. INLET PROTECTION MUST BE IMPLEMENTED TO PREVENT SEDIMENT FROM ENTERING THE STORM DRAIN SYSTEM, UNLESS THE SYSTEM DISCHARGES TO A SEDIMENT POND.
7. ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES WILL BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION.

I.E. **STORM INLET PROTECTION**
AS NEEDED, SEDIMENT SHALL BE REMOVED FROM STORM INLET FILTERS AND SHALL BE RESTORED TO ITS ORIGINAL WORKING CONDITION. AT NO TIME SHALL THE SEDIMENT BUILDUP IN FILTERS LIMIT ITS FUNCTION. CHECK AFTER EACH MAJOR RAIN. FOLLOW ADS's MAINTENANCE RECOMMENDATIONS.

I.E. **FILTER STRIPS**
A HEALTHY GROWTH OF VEGETATION CAN BEST BE MAINTAINED BY FERTILIZING, REMOVING SEDIMENT WHEN FILTER BECOMES CLOGGED, AND BY PREVENTING CONSTRUCTION TRAFFIC FROM DRIVING ACROSS FILTER STRIPS.

I.E. **SILT FENCES AND FILTER BARRIERS**
SILT FENCES AND FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY. DO NOT ALLOW STORM WATER TO FLOW UNDER OR AROUND SILT BARRIERS.

I.E. **STRAW BALE BARRIERS**
STRAW BALE BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY. DO NOT ALLOW STORM WATER TO FLOW UNDER OR AROUND SILT BARRIERS.

I.E. **ROCK CHECK DAMS**
ROCK CHECK DAMS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY. DO NOT ALLOW STORM WATER TO FLOW UNDER OR AROUND ROCK CHECK DAMS AND/OR SILT FENCE.

8. SILT FENCE SHALL BE CONSTRUCTED BEFORE UPSLOPE LAND DISTURBANCE BEGINS
9. ALL SILT FENCE SHALL BE PLACED AS CLOSE TO THE CONTOUR AS POSSIBLE SO THAT WATER WILL NOT CONCENTRATE AT LOW POINTS IN THE FENCE AND SO THAT SMALL SWALES OR DEPRESSIONS WHICH MAY CARRY SMALL CONCENTRATED FLOWS TO THE SILT FENCE ARE DISSIPATED ALONG ITS LENGTH.
10. TO PREVENT WATER PONDING BY THE SILT FENCE FROM FLOWING AROUND THE ENDS, EACH END SHALL BE CONSTRUCTED UPSLOPE SO THAT THE ENDS ARE AT A HIGHER ELEVATION.
11. WHERE POSSIBLE, SILT FENCE SHALL BE PLACED ON THE FLATTEST AREA AVAILABLE.
12. WHERE POSSIBLE, VEGETATION SHALL BE PRESERVED FOR 5 FT. (OR AS MUCH AS
13. POSSIBLE) UPSLOPE FROM SILT FENCE. IF VEGETATION IS REMOVED, IT SHALL BE RE-ESTABLISHED WITHIN 7 DAYS FROM THE INSTALLATION OF THE SILT FENCE.
14. THE HEIGHT OF THE SILT FENCE SHALL BE A MINIMUM OF 16 IN. ABOVE THE ORIGINAL GROUND SURFACE.
15. THE SILT FENCE SHALL BE PLACED IN A TRENCH CUT A MINIMUM OF 6 IN. DEEP. THE TRENCH SHALL BE CUT WITH A TRENCHER, CABLE LAYING MACHINE, OR OTHER SUITABLE DEVICE WHICH WILL ENSURE AN ADEQUATELY UNIFORM TRENCH DEPTH.
16. THE SILT FENCE SHALL BE PLACED WITH THE STAKES ON THE DOWNSLOPE SIDE OF THE GEOTEXTILE SO THAT 8 IN. OF CLOTH ARE BELOW THE GROUND SURFACE. EXCESS MATERIAL SHALL LAY ON THE BOTTOM OF THE 6-IN.-DEEP TRENCH. THE TRENCH SHALL BE BACKFILLED AND COMPACTED.
17. SEAMS BETWEEN SECTIONS OF SILT FENCE SHALL BE OVERLAPPED WITH THE END STAKES OF EACH SECTION WRAPPED TOGETHER BEFORE DRIVING INTO THE GROUND.
18. MAINTENANCE- SILT FENCE SHALL ALLOW RUNOFF TO PASS ONLY AS DIFFUSE FLOW THROUGH THE GEOTEXTILE. IF RUNOFF OVERTOPS THE SILT FENCE, FLOWS UNDER OR AROUND THE ENDS, OR IN ANY OTHER WAY BECOMES A CONCENTRATED FLOW, ONE OF THE FOLLOWING SHALL BE PERFORMED, AS APPROPRIATE:

J. THE LAYOUT OF SILT FENCE SHALL BE CHANGED,
K. ACCUMULATED SEDIMENT SHALL BE REMOVED, OR
L. OTHER PRACTICES SHALL BE INSTALLED.

19. COMPLY WITH ALL OHIO EPA REQUIREMENTS.
20. INCLUDE SEDIMENT CONTROL MEASURES (SUCH AS DANDY BAGS) ON THE CATCH BASINS SURROUNDING THE AREA.

VEGETATIVE PRACTICES

FILTER STRIP (FS)

A STRIP OR AREA OF VEGETATION (BEING A MIN. OF 18 FEET AND A MAX. OF 100 FEET IN WIDTH) TO REMOVE SEDIMENT AND OTHER POLLUTANTS FROM RUNOFF. THIS PRACTICE APPLIES TO LAND UNDERGOING DEVELOPMENT WHERE FILTER STRIPS ARE NEEDED TO REDUCE SEDIMENT DAMAGE TO ADJACENT PROPERTY. EXISTING GRASS OR GRASS/LEGUME MIXTURES IF WELL ESTABLISHED, SHOULD BE USED AS FILTER STRIPS.

GRASS SELECTION AND ESTABLISHMENT

ALL SEEDING AND MULCHING SHALL CONFORM TO ODOT ITEM 659.09 CLASS 2 UNLESS NOTED OTHERWISE IN SPECIFICATIONS.

REQUIREMENTS FOR CONTROLS OF OTHER WASTES

1. NO SOLID OR LIQUID WASTE, INCLUDING BUILDING MATERIALS OR THEIR PACKAGING, SHALL BE DISCHARGED IN STORM WATER RUNOFF.
2. CONCRETE TRUCKS ARE NOT PERMITTED TO WASH OUT DIRECTLY INTO STORM SEWERS, STREAMS OR DRAINAGE CHANNELS.
3. OFF-SITE TRACKING OF SEDIMENTS BY CONSTRUCTION VEHICLES MUST BE MINIMIZED. WHENEVER CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS, PROVISIONS WILL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT (MUD) BY RUNOFF OR VEHICLE TRACKING ONTO THE PAVED SURFACE. TEMPORARY CONSTRUCTION ROADS WILL FOLLOW THE CONTOUR OF THE NATURAL TERRAIN TO THE EXTENT POSSIBLE. SLOPES SHOULD NOT EXCEED 10 PERCENT. ROADBEDS SHALL BE AT LEAST 14 FEET WIDE FOR ONE-WAY TRAFFIC AND 20 FEET WIDE FOR TWO-WAY TRAFFIC. TEMPORARY PARKING AREAS WILL BE LOCATED ON NATURALLY FLAT AREAS WHENEVER POSSIBLE TO MINIMIZE GRADING. GRADES FOR SAID PARKING AREAS SHOULD BE SUFFICIENT TO PROVIDE DRAINAGE BUT NOT TO EXCEED 4 PERCENT SLOPE. BOTH TEMPORARY AND PERMANENT ROADS AND PARKING AREAS MAY REQUIRE PERIODIC TOP DRESSING WITH NEW GRAVEL. SEEDED AREAS ADJACENT TO ROADS AND PARKING AREAS WILL BE CHECKED PERIODICALLY TO ENSURE THAT A VIGOROUS STAND OF VEGETATION IS MAINTAINED.
4. WASTE DISPOSAL VIA OPEN BURNING IS PROHIBITED.
5. CONTAMINATED SOILS OR SOILS WHERE CONSTRUCTION SITE CHEMICALS HAVE BEEN SPILLED MUST BE REMOVED FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.
6. STORM WATER THAT COMES IN CONTACT WITH CONTAMINATED SOILS, OR SOLID & INDUSTRIAL WASTE MUST BE COLLECTED AND DISPOSED OF AS WASTEWATER.
7. FUEL TANKS AND DRUMS OR OTHER CONTAINERS HOLDING CONSTRUCTION SITE CHEMICALS MUST BE STORED WITHIN A DIKED AREA.

STORMWATER MANAGEMENT NOTE:

DISTURBED AREA IS LESS THAN 1 ACRE & DOES NOT CONSTITUTE MEETING THE OEPA NPDES REQUIREMENTS. LESS THAN 0.31 ACRES OF BUILDING ADDITION IS BEING ADDED & NO INCREASE IN RUNOFF IS ACCREDITED AS CALCULATABLE BY THESE PLANS & NO STORMWATER DETENTION IS REQUIRED.

EROSION CONTROL NOTES:

EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO, OR AS THE FIRST STEP IN, CONSTRUCTION. SEDIMENT CONTROL PRACTICES SHALL BE APPLIED AS A PERIMETER DEFENSE AGAINST TRANSPORTING OF SILT OFF SITE. ALL RUNOFF RESULTING FROM CONSTRUCTION OPERATIONS MUST BE FILTERED BY APPROVED METHODS PRIOR TO DISCHARGING TO THE STORM SEWER SYSTEM.

THIS PROJECT IS SUBJECT TO INSPECTION BY THE DEPARTMENT OF WATER PERSONNEL FOR COMPLIANCE WITH THE CITY STORM WATER ORDINANCE DURING AND AFTER DEMOLITION. THIS INCLUDES BUT IS NOT LIMITED TO INSPECTION OF EROSION CONTROL FACILITIES, SURFACE DRAINAGE, AND DETENTION/RETENTION FACILITIES. ADDITIONAL MEASURES MAY BE REQUIRED IF VIOLATIONS OF THE ORDINANCE OCCUR AND WATER DEPARTMENT PERSONNEL DEEM IT NECESSARY. ALL MEASURES SHALL COMPLY WITH LOCAL GOVERNMENTAL STANDARDS AND "RAINWATER AND LAND DEVELOPMENT, OHIO'S PROTECTION" (LATEST EDITION)

SWPPP CONTACT INFORMATION:

BRADFORD SCHOOLS
(937)-448-2719

Permanent Seeding

Seed Mix	Seeding Rates lbs./ac.	Seeding Rates lbs./1,000 ft²	Notes:
General Use			
Creeping Red Fescue 20-40 Domestic Ryegrass 10-20 Kentucky Bluegrass 10-20	1 1-2 1-2		
Tall Fescue	40	1	
Dwarf Fescue	40	1	
Steep Banks or Cut Slopes			
Tall Fescue	40	1	
Crown Vetch Tall Fescue	10 20	¼ ½	Do not seed later than August.
Flat Pea Tall Fescue	20 20	½ ½	Do not seed later than August.
Road Ditches and Swales			
Tall Fescue	40	1	
Dwarf Fescue Kentucky Bluegrass	90 5	2 ¼	
Lawns			
Kentucky Bluegrass Perennial Ryegrass	60 60	1 ½ 1 ½	
Kentucky Bluegrass Creeping Red Fescue 60	60	1 ½ ½	For shaded areas.

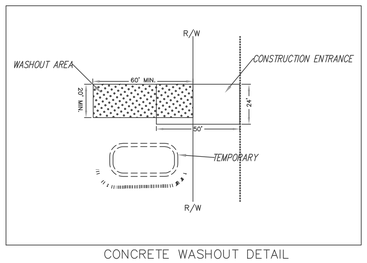
Note: Other approved seed species may be substituted.

Temporary Seeding Species Selection

Seeding Dates	Species	Per 1,000 ft²	Per Acre
March 1 to August 15	Oats	3 lb.	4 bu
	Tall Fescue	1 lb.	40 lb.
	Annual Ryegrass	1 lb.	40 lb.
	Perennial Ryegrass	1 lb.	40 lb.
	Tall Fescue	1 lb.	40 lb.
	Annual Ryegrass	1 lb.	40 lb.
August 16 to November 1	Rye	3 lb.	2 bu
	Tall Fescue	1 lb.	40 lb.
	Annual Ryegrass	1 lb.	40 lb.
	Wheat	3 lb.	2 bu
	Tall Fescue	1 lb.	40 lb.
	Annual Ryegrass	1 lb.	40 lb.
	Perennial Ryegrass	1 lb.	40 lb.
	Tall Fescue	1 lb.	40 lb.
	Annual Ryegrass	1 lb.	40 lb.
November 1 to spring seeding	Use mulch only, sodding practices or Dormant Seeding		

Note: Other approved seed species may be substituted.

NOTE: CONTRACTOR TO TAKE CARE TO SAVE TREES WHERE EVER POSSIBLE.

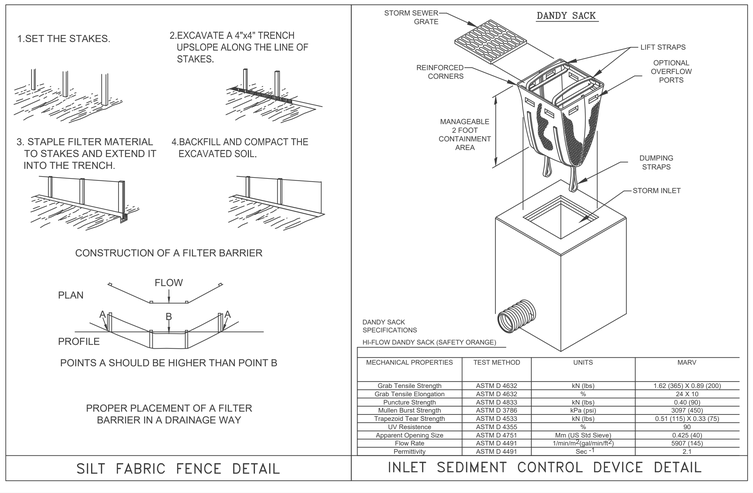


CONCRETE WASHOUT DETAIL

GENERAL NOTES:
THE CONTRACTOR SHALL INSTALL A GRAVEL WASH-OUT AREA AT THE SITE ENTRANCE / EXIT IMMEDIATELY UPON COMMENCEMENT OF THE PROJECT. THE GRAVEL WASH-OUT AREA SHALL FACILITATE THE REMOVAL OF SEDIMENTS AND DEBRIS FROM TRUCKS AND OTHER VEHICLES LEAVING THE PROJECT SITE TO PREVENT SEDIMENTS FROM ENTERING THE RIGHT OF WAY. THE GRAVEL WASH-OUT AREA SHALL BE A MINIMUM OF 20' WIDE BY 60' LONG . GRAVEL SHALL BE A MINIMUM OF 18" DEEP ANd SHALL BE No.2, THE SIZE, SHAPE AND ORIENTATION OF THE GRAVEL DRIVE SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE OWNER. THE DRIVE SHALL BE POSITIONED TO FACILITATE EQUIPMENTACCESS AND CLEANING.

INSTALL A TEMPORARY SILT BASIN ADJACENT TO GRAVEL DRIVE TO RECEIVE RUNOFF FROM TRUCK WASHING ACTIVITIES. THE TEMPORARY BASIN SHALL BE MAINTAINED BY THE CONTRACTOR AND CLEARED OF DEBRIS AS REQUIRED. INSTALL A SILT FENCE AROUND BASIN AS INDICATED. INFILL BASIN AT THE CONCLUSION OF THE PROJECT TO FINAL GRADE AND SEED.

WATER QUALITY AND POST CONSTRUCTION STORM WATER MANAGEMENT AND TREATMENT:
THE "FIRST FLUSH" OF THE STORM WATER RUNOFF THAT IS CARRYING POLLUTANTS WILL BE CONTROLLED VIA FILTRATION BY THE SEDIMENT FILTRATION DEVICES. ADDITIONAL POLLUTANTS WILL ALSO SETTLE OUT OVER TIME IN THE EXISTING DETENTION BASIN. THE EXISTING OVERSIZED ON-SITE DETENTION BASIN WILL CONTRIBUTE TO TREAT THE WATER QUALITY VOLUME (WQv) USING AN EXISTING AREA OF ESTABLISHED LARGE GRASS BOTTOM TO FILTER OUT SEDIMENT.



SILT FABRIC FENCE DETAIL

MECHANICAL PROPERTIES	TEST METHOD	UNITS	MARV
Grab Tensile Strength	ASTM D 4632	kN (lbs)	1.62 (365) X 0.89 (200)
Grab Tensile Elongation	ASTM D 4632	%	24 X 10
Puncture Strength	ASTM D 4533	kN (lbs)	0.40 (90)
Mullen Burst Strength	ASTM D 3786	kPa (psi)	3097 (450)
Trapezoid Tear Strength	ASTM D 4533	kN (lbs)	0.51 (115) X 0.33 (75)
UV Resistence	ASTM D 4355	%	90
Apparent Opening Size	ASTM D 4751	Mm (US Std Sieve)	0.425 (40)
Flow Rate	ASTM D 4491	l/min/m²(gal/min/ft²)	5907 (145)
Permittivity	ASTM D 4491	Sec $^{-1}$	2.1

INLET SEDIMENT CONTROL DEVICE DETAIL

FOR REVIEW
07/01/2026

PLAN NORTH

NORTH

2 WORKING DAYS BEFORE YOU DIG
CALL TOLL FREE 800-362-2764
OHIO UTILITIES PROTECTION SERVICE

HORIZONTAL SCALE 1"=20'
0' 20' 40' 60'

BRUMBAUGH ENGINEERING & SURVEYING, LLC
2270 SOUTH MIAMI STREET
WEST MILTON, OHIO 45383
PHONE: (937) 698-3000
EMAIL: John@bes-engineer.com

PROJECT NO.:	290.26
DATE:	7/1/2026
DRAWN BY:	GWC
DESIGNED BY:	NJB
CHECKED BY:	JJB
REVISED	
1.	
2.	
3.	
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7.	

EROSION CONTROL PLAN
FOR
BRADFORD NEW ATHLETIC FACILITIES
LOCATED AT 760 RAILROAD AVENUE
SECTION 16, TOWNSHIP 9 NORTH, RANGE 4 EAST
VILLAGE OF BRADFORD, DARKE COUNTY, STATE OF OHIO

SHEET C4
OF 4

SPECIAL INSPECTION NOTES

1 - The OWNER shall employ one or more special inspectors to provide inspections during construction on the types of work itemized below.
2 - Only the required STRUCTURAL Special Inspections have been listed on this sheet .
3 - The special inspector shall be a qualified person who shall demonstrate competence, to the satisfaction of the building official, for inspection of the particular type of construction or operation requiring special inspection.
4 - Upon request, Shell + Meyer can provide a list of local agencies providing these inspection services.
5 - Numbered and lowercase sublettered inspections indicate referenced OBC requirements
6 - Some numbered or lettered special inspection items may not be listed. These items are not required on this project.
7 - Additional information regarding inspections and tests may be found in the project specifications, on the drawings, and in the building code and referenced standards.
8 - The Special Inspections table and other contract documents indicate the special inspections anticipated at the time the documents were approved by the Building Official.
9 - Special inspection and site observation personnel are not responsible for job site safety or means and methods of construction unless noted specifically in the contract.

REQUIRED STRUCTURAL SPECIAL INSPECTIONS

Soils - OBC Table 1705.6	**Continuous**	**Periodic**	**Referenced Standard**	**Additional OBC Requirements**	**Remarks**
A. Geotechnical Investigations				1803	Geotechnical Investigation shall include items of Special Inspection and Testing as noted in OBC Section 1803
1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	—	X			Confirm bearing conforms to geotechnical report
2. Verify excavations are extended to proper depth and have reached proper material.	—	X			
3. Perform classification and testing of compacted fill materials.	—	X		1803.5.1	Confirm structural fill materials meet specifications outlined in geotechnical report.
4. Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill.	X	—			Confirm structural fill materials meet specifications outlined in geotechnical report.
5. Prior to placement of compacted fill, observe subgrade and verify that site has been prepared properly.	—	X			Confirm that site requirements are met according to the geotechnical report, prior to placing structural fill.

Concrete Construction, Cast-In-Place - OBC Table 1705.3	**Continuous**	**Periodic**	**Referenced Standard**	**Additional IBC Requirements**	**Remarks**
A. Fabricator Inspections	—	X		1704.2.5	SPECIAL INSPECTIONS APPLY TO VERIFICATION OF DETAILED FABRICATION AND QUALITY CONTROL PROCEDURES INCLUDING REVIEW FOR COMPLETENESS AND ADEQUACY RELATIVE TO THE CODE REQUIREMENTS
1. Inspect reinforcement and verify placements.	—	X	ACI 318 Ch. 20, 25.2, 25.3, 26.6.1-26.6.3.	1908.4	Confirm size and spacing of bars. Tolerances and reinforcing placement per ACI 7.5; spacing limits for reinforcing ACI 7.6
3. Inspect anchors cast in concrete.	—	X	ACI 318: 17.8.2	—	
4. Inspect anchors post-installed in hardened concrete members. a. Adhesive anchors installed horizontally or upwardly inclined orientations to resist sustained tension loads. b. Mechanical anchors and adhesive anchors not defined in 4.a.	X —	— X	ACI 318: 17.8.2.4 ACI 318: 17.8.2	—	All bolts visually inspected. Post-installed anchors shall be qualified for use in cracked concrete and shall have passed the Simulated Seismic Tests in accordance with ACI 355.2. Special inspections apply to anchor product name, type, and dimensions, hole dimensions, compliance with drill bit requirements, cleanliness of the hole and anchor, adhesive expiration date, anchor/adhesive installation, anchor embedment, and tightening torque
5. Verify use of required design mix	—	X	ACI 318:Ch.19, 26.4.3, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3	Tests and submittals per specifications
6. Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of concrete.	X	—	ASTM C172, ASTM C31, ACI 318: 26.4, 26.12	1908.1	Tests per specifications
8. Verify maintenance of specified curing temperature and techniques.	—	X	ACI 318: 26.5.3-26.5.5	1908.9	Confirm products conform to approved shop drawings; confirm curing performed per specifications
12. Inspect formwork for shape, location, and dimensions of the concrete member being formed	—	X	ACI 318: 26.11.1.2(b)	—	Confirm dimensions per contract drawings
B. Concrete placement at composite slabs	X	—	ASCE 9, Chapter 2-3		

LEVEL 1 Masonry Construction - OBC Table	**Continuous**	**Periodic**	**Referenced Standard**	**Additional OBC Requirements**	**Remarks**
1. Compliance with required inspection provisions of the construction documents and the approved submittals shall be verified.	—	X	TMS 602/ACI 530.1/ASCE 6: Art. 1.5		
2. Verification of f'_m and f'_{AAC} prior to construction except where specifically exempted by this code.	—	X	TMS 602/ACI 530.1/ASCE 6: Art. 1.4B		
3. Verification of slump flow and VSI as delivered to the site for self-consolidating grout.	X	—	TMS 602/ACI 530.1/ASCE 6: Art. 1.5B.1.b.3		
4. As masonry construction begins, the following shall be verified to ensure compliance:					
a. Proportions of site-prepared mortar.	—	X	TMS 602/ACI 530.1/ASCE 6: Art. 2.1, 2.6A		Visual inspection of preparation to confirm proportions
b. Construction of mortar joints.	—	X	TMS 602/ACI 530.1/ASCE 6: Art. 3.3B		Visual inspection to confirm placement of CMU
5. During construction the inspection program shall verify:					
a. Size and location of structural elements.	—	X	TMS 602/ACI 530.1/ASCE 6: Art. 3.3F		Visual inspection to confirm size and location conforms to contract drawings.
b. Type, size and location of anchors,including other details of anchorage of masonry to structural members,frames, or other construction.	—	X	TMS 402/ACI 530/ASCE 5: Sec. 1.2.1(e), 6.1.4.3, 6.2.1		Confirm size, type, and location of anchors conforms to contract drawings.
d. Preparation, construction and protection of masonry during cold weather (temperature below 40°F)or hot weather (temperature above 90°F).	—	X	TMS 602/ACI 530.1/ASCE 6: Art. 1.8C, 1.8D	2104.3, 2104.4	Visually confirm according to ACI 530.1 Article 1.8C and 1.8D
6. Prior to grouting, the following shall be verified to ensure compliance					
a. Grout space is clean	—	X	TMS 602/ACI 530.1/ASCE 6: Art. 3.2D, 3.2F		Visually confirm
b. Grade, type, and size of reinforcement and anchor bolts	—	X	TMS 402/ACI 530/ASCE 5: Sec.6.1 TMS 602/ACI 530.1/ASCE 6: Art 2.4, 3.4		
c. Placement of reinforcement and connectors	—	X	TMS 402/ACI 530/ASCE 5: Sec. 6.1, 6.2.1, 6.2.6, 6.2.7 TMS 602/ACI 530.1/ASCE 6: Art. 3.2E, 3.4, 3.6A		Confirm size, spacing, and placement of reinforcing
d. Proportions of site-prepared grout	—	X	TMS 602/ACI 530.1/ASCE 6: Art. 2.6B, 2.4 G.1.b		Visual inspection of preparation to confirm proportions
e. Construction of mortar joints.	—	X	TMS 602/ACI 530.1/ASCE 6: Art. 3.3B		**Visual inspection to confirm placement of CMU**
7. Preparation of any required grout specimens, mortar specimens and/or prisms shall be observed.	—	X	TMS 602/ACI 530.1/ASCE 6: Art. 1.4	2105.2.2, 2105.3	Visual inspection during preparation/construction
UNIT STRENGTH METHOD			ASTM C62, ASTM C216, ASTM C652, ASTM C476, ASTM C55, ASTM C90	2105.2.2.1	
PRISM TEST METHOD	TESTING EVERY 5,000 FT2		ASTM C1314	2105.2.2.2	
COMPRESSIVE STRENGTH OF MORTAR			MIA - INSPECTOR'S HANDBOOK ASTM C780		(1) TEST PER DAY FOR 3 CONSECUTIVE WORK DAYS AT THE START OF THE JOB. ONE TEST SHALL CONSIST OF 3 SPECIMENS. AFTER THE FIRST THREE TESTS, SPECIMENS FOR CONTINUING QUALITY CONTROL SHALL BE TAKEN ONCE A WEEK, OR FOR EVERY 5,000 SQ. FT. OF WALL, WHICHEVER IS FIRST.
COMPRESSIVE STRENGTH OF GROUT			MIA - INSPECTOR'S HANDBOOK ASTM C780		AT THE START OF GROUTING OPERATIONS, TAKE ONE TEST PER DAY FOR THE FIRST THREE DAYS. THE TESTS SHALL CONSIST OF 3 SPECIMENS. AFTER THE FIRST 3 TESTS, SPECIMENS FOR CONTINUING QUALITY CONTROL SHALL BE TAKEN ONCE A WEEK OR FOR EVERY 30 CU. YDS. OF GROUT OR FOR EVERY 5,000 SQ. FT. OF WALL, WHICHEVER COMES FIRST.

Structural Steel

STRUCTURAL STEEL INSPECTIONS SHALL BE IN ACCORDANCE WITH THE QUALITY ASSURANCE INSPECTION REQUIREMENTS OF AISC 360-16 (CHAPTER N)
IF STRUCTURAL STEEL SPECIFICATIONS ARE INCLUDED IN THE CONSTRUCTION DOCUMENTS REFER TO **SECTION 051200 "STRUCTURAL STEEL FRAMING"**

Metal Building System	**Continuous**	**Periodic**	**Referenced Standard**	**Additional OBC Requirements**	**Remarks**
A. Metal Building system including light gage purlins and girts, bracing, rafters, columns, and connections.				1704.2.5	Refer to inspection of fabricator requirements

Open-Web Steel Joists and Joist Girders - OBC Table 1705.2.3	**Continuous**	**Periodic**	**Referenced Standard**	**Additional OBC Requirements**	**Remarks**
1. Installation of open-web steel joists and girders.					
a. End connections- welding or bolted.	—	X	SJI specifications listed in Section 2207.1.		
b. Bridging- horizontal or diagonal.	—				
1. Standard bridging.	—	X	SJI specifications listed in Section 2207.1.		
2. Bridging that differs from the SJI specifications listed in Section 2207.1.		X			

DESIGN CRITERIA NOTES

REFERENCED DESIGN CODE:
OHIO BUILDING CODE (2024)

ENVIRONMENTAL LOADS:
ROOF SNOW LOAD:
GROUND SNOW LOAD, Pg = 20 PSF
FLAT ROOF SNOW LOAD, Pf = 20 PSF
SNOW EXPOSURE FACTOR, Ce = 1.0
SNOW LOAD IMPORTANCE FACTOR, Is = 1.1
THERMAL FACTOR, Ct = 1.0
WIND LOAD:
BASIC WIND SPEED (3 SECOND GUST) = 114 MPH
RISK CATEGORY = III
WIND EXPOSURE = C
INTERNAL PRESSURE COEFFICIENT = +/- 0.18

EARTHQUAKE LOAD:
SEISMIC IMPORTANCE FACTOR, Ie = 1.25
MAPPED SPECTRAL ACCELERATION, Ss = 0.218
S1 = 0.075
SITE CLASS = D
DESIGN SPECTRAL ACCELERATION: Sds = 0.232
Sd1 = 0.120
SEISMIC DESIGN CATEGORY = B
SEE METAL BUILDING DRAWINGS FOR ADDITIONAL INFO

DESIGN UNIFORM LOADS:
DEAD LOAD: REFER TO METAL BUILDING DRAWINGS
ROOF LIVE LOAD: 20 PSF (MINIMUM PER OBC SECTION 1607.14.1)
UNIFORM FLOOR LIVE LOAD 150 PSF

GENERAL STRUCTURAL NOTES

GENERAL (ALL TRADES)
1. IN ACCORDANCE WITH SECTION 1704 OF THE OHIO BUILDING CODE, SPECIAL INSPECTIONS WILL BE REQUIRED FOR THIS PROJECT. SPECIAL INSPECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE "SPECIAL INSPECTION REQUIREMENTS" SCHEDULE. ALL FABRICATORS SHALL SATISFY THE "FABRICATOR APPROVAL" PROVISIONS IN SECTION 1704.2.5.1 WHICH REQUIRES THE FABRICATOR TO MAINTAIN AN AGREEMENT A BOARD RECOGNIZED INDUSTRY TRADE ASSOCIATION CERTIFICATION PROGRAM OR A BOARD RECOGNIZED FABRICATOR INSPECTION AGENCY PER 4101:7-6-01 OF OHIO ADMINISTRATIVE CODE.
2. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND REPORT ANY CONDITIONS SUBSTANTIALLY DIFFERENT THAN THOSE SHOWN TO THE ENGINEER.
3. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE DRAWINGS AND SPECIFICATIONS OF ALL OTHER DISCIPLINES. THE CONTRACTOR SHALL VERIFY THE REQUIREMENTS OF OTHER TRADES AS TO SLEEVES, CHASES, HANGERS, INSERTS, ANCHORS, HOLES, AND OTHER ITEMS TO BE PLACED OR SET IN THE STRUCTURAL WORK.
4. THE STRUCTURAL DRAWINGS HEREIN REPRESENT THE FINISHED STRUCTURE. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY GUYING AND BRACING REQUIRED TO ERECT AND HOLD THE STRUCTURE IN PROPER ALIGNMENT UNTIL ALL STRUCTURAL WORK AND CONNECTIONS HAVE BEEN COMPLETED. THE INVESTIGATION, DESIGN, SAFETY, ADEQUACY AND INSPECTION OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
5. SHELL + MEYER ASSOCIATES, INC. SHALL NOT BE RESPONSIBLE FOR THE METHODS, TECHNIQUES, AND SEQUENCES OF PROCEDURES TO PERFORM THE WORK.
6. **FOR THE PURPOSES OF UL FIRE ASSEMBLY RATINGS E119 AND UL 263, THE STRUCTURE SHALL BE CONSIDERED "UNRESTRAINED", UNLESS SPECIFICALLY NOTED IN THE CONSTRUCTION DOCUMENTS PER OBC SECTION 703.2.1.3.**

POST INSTALLED ANCHORS
1. INSTALL ALL ANCHORS PER THE MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS (MPI).
2. WHERE NOT INDICATED ON THE DRAWINGS, POST-INSTALLED ANCHORS SHALL CONSIST OF THE FOLLOWING ANCHOR TYPES AS PROVIDED BY HILTI, INC.
3. ***CONCRETE SUBSTRATE*** - U.N.O. USE 3/4" DIAM. HILTI HAS' THREADED RODS OR HIT-Z ANCHOR RODS WITH HIT-HY 200V3 SAFE SET SYSTEM, ICC ESR-4868. MINIMUM EMBEDMENT 0'-6 3/4".
4. ***REINFORCING INTO CONCRETE*** - U.N.O. USE HILTI HIT-RE 500 V3 EPOXY, ICC ESR-3814. MINIMUM EMBEDMENT INTO CONCRETE 44x BAR DIAMETER U.N.O.
5. ***GROUTED CONCRETE MASONRY*** (INSTALLED IN WALL FACE) MIN. 8" GROUT AROUND ALL ANCHORS - U.N.O. USE 3/4" DIAM. HILTI KWIK BOLT 3 ANCHORS, ICC-ES ESR-1385. MINIMUM EMBEDMENT 0'-4 3/4".
6. ***GROUTED CONCRETE MASONRY*** (INSTALLED VERTICALLY IN TOP COURSE OF WALL) - U.N.O. USE 3/4" DIAM. HILTI KWIK HUS EZ SCREW ANCHORS, ICC-ES ESR-3056. MINIMUM EMBEDMENT 0'-6 1/4".
7. ***UNGROUTED CONCRETE MASONRY*** - USE THE HILTI HIT HY-270 ADHESIVE SYSTEM ICC-ES ESR-4144. U.N.O. STEEL ANCHORS SHALL BE 1/2" DIAM. HILTI 'HAS-E' CONTINUOUSLY THREADED ROD x 0'-2" MINIMUM EMBEDMENT. USE TWO APPROPRIATELY SIZED MESH SLEEVES PER ANCHOR.

DIVISION 3 - FOUNDATIONS AND CONCRETE
1. ALLOWABLE NET SOIL BEARING CAPACITY = ***2000 PSF ; REF. SOILS REPORT DATED MAY 11, 2026 BY BOWSER MORNER REPORT NO. 204414-0522-088***
2. ALL EXCAVATIONS SHALL BE INSPECTED BY A GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE.
3. REFER TO THE GEOTECHNICAL REPORT FOUNDATION RECOMMENDATIONS. THE EXISTING TOPSOIL IS UNRELIABLE TO SUPPORT THE BUILDING EXCAVATE TO SUITABLE DEPTHS AND BACKFILL WITH LEAN CONCRETE IF REQUIRED OVER-EXCAVATION AND COMPACTED FILL MAY BE REQUIRED UNDER THE FLOOR SLAB
4. CONCRETE WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE LATEST "AMERICAN CONCRETE INSTITUTE" INCLUDING THE REQUIREMENTS OF ACI 301, "SPECIFICATION FOR STRUCTURAL CONCRETE BUILDINGS". CONCRETE MIXES SHALL BE DESIGNED PER ACI 301, USING PORTLAND CEMENT CONFORMING TO ASTM C150 OR C595, AGGREGATE CONFORMING TO ASTM C33, AND ADMIXTURES CONFORMING TO ASTM C494, C1017, C618, C989 AND C260. CONCRETE SHALL BE READY-MIXED IN ACCORDANCE WITH ASTM C94.
5. HOT WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 305. COLD WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 306.
6. CONCRETE SHALL ATTAIN THE FOLLOWING ULTIMATE 28 DAY COMPRESSIVE STRENGTHS:
3,000 P.S.I. FOR FOOTINGS
3,500 P.S.I. FOR FLOOR SLABS ON DECK
4,000 P.S.I. FOR INT. SLABS ON GRADE, WALLS, WALL PIERS,
4,500 P.S.I. FOR EXT. SLABS ON GRADE;
SLUMP SHALL BE 4" ± 1"
1. ALL CONCRETE TO BE PERMANENTLY EXPOSED TO WEATHER SHALL BE AIR ENTRAINED (4.5 TO 7.5%) WITH AN ADMIXTURE THAT CONFORMS TO ASTM C260. MAXIMUM W/C RATIO = 0.45
2. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615 OR ASTM A996, GRADE 60.
3. TOP OF FOOTING ELEVATIONS SHALL BE AS SHOWN ON THE FOUNDATION PLAN. THESE ELEVATIONS ARE A MAXIMUM AND SHALL BE LOWERED AS REQUIRED TO OBTAIN THE REQUIRED DESIGN BEARING PRESSURE PER THE GEOTECHNICAL ENGINEER'S SPECIFICATION. REFER TO SCHEDULES AND DETAILS FOR MINIMUM FOOTING THICKNESSES.
4.

DIVISION 5 - METALS
STRUCTURAL STEEL
1. ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST AISC RECOMMENDATIONS AND CONFORM TO ANSI/AISC 360-16 AND AISC 303-10 INCLUDED IN THE 14TH EDITION OF THE "STEEL CONSTRUCTION MANUAL".
2. STEEL FABRICATORS SHALL BE AN AISC CERTIFIED SHOP AND SHALL SATISFY GENERAL (ALL TRADES) NOTE 1. OTHERWISE SHOP SPECIAL INSPECTIONS WILL BE REQUIRED.
3. UNLESS NOTED OTHERWISE, ALL MATERIALS SHALL BE IN ACCORDANCE WITH THE FOLLOWING ASTM SPECIFICATIONS:
WIDE FLANGE SECTIONS AND TEES ASTM A992 (50 KSI)
STRUCTURAL HSS TUBING A500 Gr.C (50 KSI)
STEEL PIPE A500 Gr. C (46 KSI)
OTHER ROLLED PLATE/SHAPES A36 (36 KSI)
4. UNLESS NOTED OTHERWISE, BASE PLATE ANCHOR RODS SHALL BE ASTM F1554 (36 KSI) ; USE NONSHRINK GROUT C1107 (8000 PSI).
5. STRUCTURAL STEEL CONNECTIONS SHALL CONSIST OF 3/4" DIAM. HIGH STRENGTH ASTM F-1852 BOLTS AND/OR WELDS WITH E70-XX ELECTRODES. USE SHEAR TYPE CONNECTIONS SELECTED BY THE FABRICATOR U.N.O. USE 5/16" THICK DOUBLE ANGLE CONNECTIONS, (AS DETAILED IN THE AISC "MANUAL OF STEEL CONSTRUCTION"), U.N.O. ON STRUCTURAL DRAWINGS.
6. UNLESS NOTED OTHERWISE, PROVIDE CONTINUOUS 1/4 FILLET WELDS PER AISC REQUIREMENTS.
7. TYPICAL LINTELS FOR MASONRY OPENINGS SHALL BE AS FOLLOWS, U.N.O. ON PLANS:
L3 1/2 x 3 1/2 x 5/16" ANGLES, EACH 4" WALL WIDTH, 4'-0" OPENINGS OR LESS (8" MINIMUM END BEARING, TYP. EACH END)
L5 x 3 1/2 x 5/16" ANGLES, L.L.V., EACH 4" WALL WIDTH, 4'-1" TO 6'-8" OPENINGS (8" MINIMUM END BEARING, TYP. EACH END)
W8X18 WITH 5/16" PLATE CONTINUOUS (EXTEND PLATE TO END OF BEAM), 6'-9" TO 12'-0" CMU OPENINGS; 12" MIN. BRG. E.E.
8. UNLESS NOTED OTHERWISE, ALL STRUCTURAL STEEL PERMANENTLY EXPOSED TO THE WEATHER, INCLUDING ALL BRICK LINTEL ANGLES AND PLATES, SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A153.
9. COORDINATE ALL ROOF AND FLOOR OPENING SIZES AND LOCATIONS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS, FRAME OPENINGS WITH L3x3x1/4" ANGLES TYPICAL U.N.O. CONTRACTOR TO VERIFY UNIT SIZES, WEIGHTS, AND LOCATIONS BEFORE ERECTION.

MARK	NOTES
F.S.	INDICATES FOOTING STEP LOCATION
1	INDICATES BASE PLATE TYPE. SEE BASE PLATE DETAILS ON SHEET SX.X
A	INDICATES FOOTING TYPE, SEE FTG. SCHED.
Px	INDICATES PIER TYPE. SEE PIER DETAILS ON SHEET SX.X
XXX'-xx"	***FOUNDATION PLAN*** - INDICATES TOP OF FOOTING ELEVATION ***FRAMING PLAN*** - INDICATES JOIST BEARING ELEVATION
000'-0"	INDICATES TOP OF FINISHED CONCRETE ELEVATION
CJ	INDICATES LOCATION OF CONTROL JOINTS. FINAL LOCATION TO BE DETERMINED BY CONCRETE CONTRACTOR
SJ	INDICATES LOCATION OF SAW CUT CONTROL JOINTS. FINAL LOCATION TO BE DETERMINED BY CONCRETE CONTRACTOR
GB-x	INDICATES GRADE BEAM. REFER TO GRADE BEAM SCHEDULE AND DETAILS ON SHEET SX.X
	INDICATES LOAD BEARING CONCRETE WALLS WITH FOUNDATIONS
	INDICATES LOAD BEARING CMU WALLS WITH FOUNDATIONS
	INDICATES NON LOAD BEARING MASONRY WALLS WITH THICKENED SLABS
SW-x x.xxS	INDICATES SHEARWALL DESIGNATION. REFER TO MASONRY SHEARWALL SCHEDULE ON SHEET SX.X LOAD IN KIPS (K) INDICATES MAXIMUM TOTAL SERVICE LOAD TRANSFERRED TO SHEAR WALL AT THE ROOF OR FLOOR LEVEL.
	CAST-IN-PLACE CONCRETE WALL
	LOAD BEARING CMU WALL
	NON-LOAD BEARING CMU WALL
BPx	INDICATES STEEL BEARING PLATE. REFER TO DETAILS ON SHEET SX.X
MCJ	INDICATES MASONRY CONTROL JOINT LOCATIONS DETERMINED BY STRUCTURAL ENGINEER OF RECORD. THESE LOCATIONS SUPERCEDE PRESCRIPTIVE 'NCMA' RECOMMENDATIONS SUMMARIZED IN DETAIL CJ/S4.0. UNLESS NOTED OTHERWISE, CONTROL JOINT TYPE CJ0/S4.0 SHALL BE CONSTRUCTED.
	INDICATES MOMENT CONNECTION
	INDICATES LOCATION FOR HORIZONTAL BRIDGING TOP AND BOTTOM OF JOIST. FINAL SIZE BY JOIST MFR.
	INDICATES LOCATION OF DIAGONAL BRIDGING. FINAL SIZE BY JOIST MFR.
x.x k	INDICATES LOCATION OF A POINT LOAD OR HANGER LOAD ATTACHED TO THE STRUCTURE. REFER TO PLAN FOR STRUCTURAL DESIGN LOADING. REFER TO ARCHITECTURAL OR MEP DRAWINGS FOR LOCATION
x.xx k	INDICATES NUMBER OF KIPS OF SIMPLE SHEAR
A = x.xx k	INDICATES NUMBER OF KIPS AXIAL LOAD
(C = x.x")	INDICATES CAMBER IN INCHES
(x)	INDICATES QUANTITY OF WELDED HEADED STUDS FOR COMPOSITE BEAM CONSTRUCTION
X" X'-xx"	INDICATES ROUND HOLE THROUGH STEEL BEAM WEB. REFER TO DETAIL 'BH1' ON SHEET SX.X.
X	INDICATES MINIMUM QUANTITY OF BUILT-UP STUDS TO BE LOCATED UNDER BEAM/TRUSS BEARING LOCATIONS
ML-x	INDICATES MASONRY LINTELS CONSTRUCTED FROM CONCRETE MASONRY UNITS. REFER TO MASONRY LINTEL SCHEDULE ON SHEET SX.X FOR MINIMUM SIZE. MASONRY LINTELS MAY BE SUBSTITUTED WITH PRECAST LINTELS MEETING OR EXCEEDING THE REQUIRED DESIGN, BUT REQUIRE SUBMITTAL OF ENGINEERING DATA TO THE ENGINEER OF RECORD FOR APPROVAL.
NLB	INDICATES NON-LOAD BEARING CMU WALLS. STRUCTURAL ELEMENTS SHALL NOT USE DESIGNATED N.L.B. WALLS FOR BEARING. REFER TO STRUCTURAL DETAIL SHEETS FOR TOP OF WALL BRACING REQUIREMENTS OF N.L.B. WALLS
PCL-x	INDICATES PRECAST LINTEL REQUIRED. REFER TO PRECAST LINTEL SCHEDULE ON SHEET SX.X. MASONRY LINTELS SHALL NOT BE SUBSTITUTED FOR PRECAST LINTELS DUE TO LOADING OR DETAILING REQUIREMENTS
EOP	EDGE OF PRECAST
EOD	EDGE OF DECK
EOS	EDGE OF SLAB/STRUCTURE

SHEET LIST

Sheet Number	Sheet Name
S000	STRUCTURAL NOTES
S100	FOUNDATION PLAN
S101	FOUNDATION PLAN ALTERNATIVES
S200	FOUNDATION SECTIONS

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REVISIONS :

Number	Description	Date

PRINTINGS :
CD/ PERMIT SET 06.26.2026

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DATE: **06.26.2026**

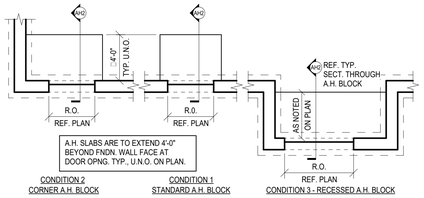
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STRUCTURAL NOTES

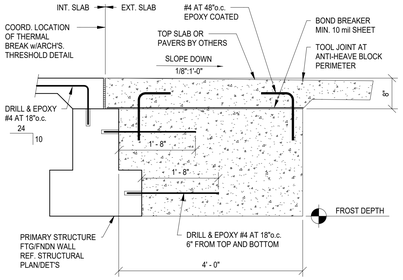
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DETAIL NOTES:
1. ANTI-HEAVE BLOCKS TO BE USED AT ALL PRIMARY ENTRANCES AND EMERGENCY EXITS
2. REFERENCE ARCHITECTURAL AND SITE DRAWINGS FOR BLOCK WIDTHS
3. TOP OF ANTI-HEAVE BLOCK MAY BE HELD DOWN 8" MAX. TO ALLOW FOR PAVERS OR OTHER SITE SPECIFIED CONCRETE SLABS.
4. PLACE ANTI-HEAVE SEPARATELY. DRILL & EPOXY ALL HORIZONTAL ANTI-HEAVE FOUNDATION REINFORCING



AH TYPICAL ANTI-HEAVE BLOCK TYPES
SCALE: NTS



AH2 TYPICAL ANTI-HEAVE BLOCK
SCALE: 3/4" = 1'-0"

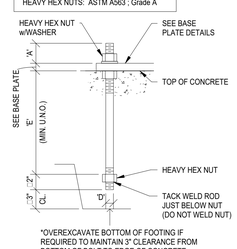
MINIMUM LAP SPLICE SCHEDULE

BAR SIZE	LAP LENGTH[1,2]
#3	24"
#4	32"
#5	40"
#6	48"

1 - Increase Lap Length by 33% for Epoxy Coated Reinforcing or Lightweight Concrete
2 - Based on minimum f'_c = 4000 psi



C1 CONCRETE REINFORCEMENT SPLICES
SCALE: NTS



MARK	DIAMETER (inches)	'A' MIN.	'E'	MINIMUM CONCRETE THICKNESS*
AR-1	1/2	4"	7"	12"
AR-2	5/8	4"	7"	12"
AR-3	3/4	4"	9"	14"
AR-4	7/8	4"	10-1/2"	15-1/2"
AR-5	1	4"	12"	17"
AR-6	1-1/4	5"	15"	20"
AR-7	1-1/2	5"	18"	23"

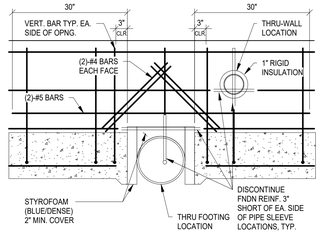
1. SHIMS MAY BE USED IN LIEU OF LEVELING NUT
2. ANCHOR ROD INSTALLER SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THREADS FROM DAMAGE AND ACCUMULATED CONCRETE DEBRIS.
3. REFER TO SPECIFICATIONS FOR ADDITIONAL DESIGN FEES THAT MAY BE INCURRED BY THE CONTRACTOR IF ADDITIONAL SERVICES ARE REQUIRED TO CORRECT DAMAGED OR MISPLACED ANCHOR RODS.
4. REJECTED ANCHORS MAY RESULT IN REPLACEMENT OF THE FOUNDATION WITH NEW ANCHOR RODS PER THE ORIGINAL DESIGN.
5. GALVANIZE EXTERIOR EXPOSED ANCHOR RODS EITHER BY HOT-DIP GALVANIZING (ASTM A153) OR MECHANICAL GALVANIZING (ASTM B695). ALL THREADED COMPONENTS OF THE ANCHOR ROD ASSEMBLY MUST BE GALVANIZED BY THE SAME PROCESS.
6. GALVANIZED ANCHOR RODS AND NUTS SHALL BE PURCHASED FROM THE SAME SUPPLIER AND SHIPPED PRE-ASSEMBLED.

AR ANCHOR ROD SCHEDULE
DESCRIPTION
SCALE: NTS

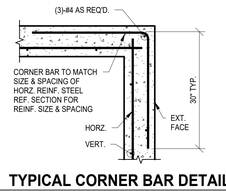
FOOTING SCHEDULE

MARK	SIZE	REINFORCING	NOTES
A	3'-0"SQ. x 12"	(3) - #5 E.W.	
B	3'-6"SQ. x 12"	(3) - #5 E.W.	
C	4'-0"SQ. x 12"	(4) - #5 E.W.	
D	4'-6"SQ. x 12"	(4) - #5 E.W.	
E	5'-0"SQ. x 12"	(5) - #5 E.W.	
F	5'-6"SQ. x 12"	(5) - #5 E.W.	
G	6'-0"SQ. x 13"	(6) - #5 E.W.	
H	6'-6"SQ. x 13"	(6) - #5 E.W.	
J	7'-0"SQ. x 14"	(7) - #5 E.W.	
K	7'-0"SQ. x 16"	(8) - #5 E.W.	
L	4'-0" x 6'-0" x 12"	(5) - #5 LONG (6) #5 SHORT	

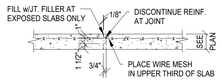
Footnote: Allowable Soil Bearing Capacity = 1500 PSF



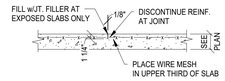
F10 TYPICAL PIPE SLEEVE AT FOUNDATION
SCALE: NTS



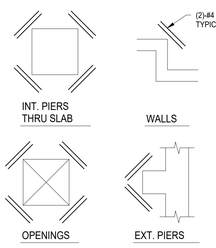
F2 TYPICAL CORNER BAR DETAIL
CAST-IN-PLACE CONCRETE
SCALE: NTS

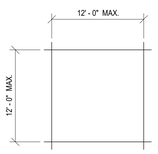


TYPICAL CONSTRUCTION JOINT DETAIL1
N.T.S.



TYPICAL SAWED CONTROL JOINT DETAIL1
N.T.S.

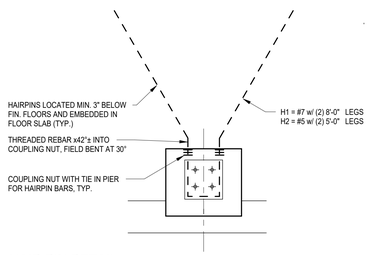




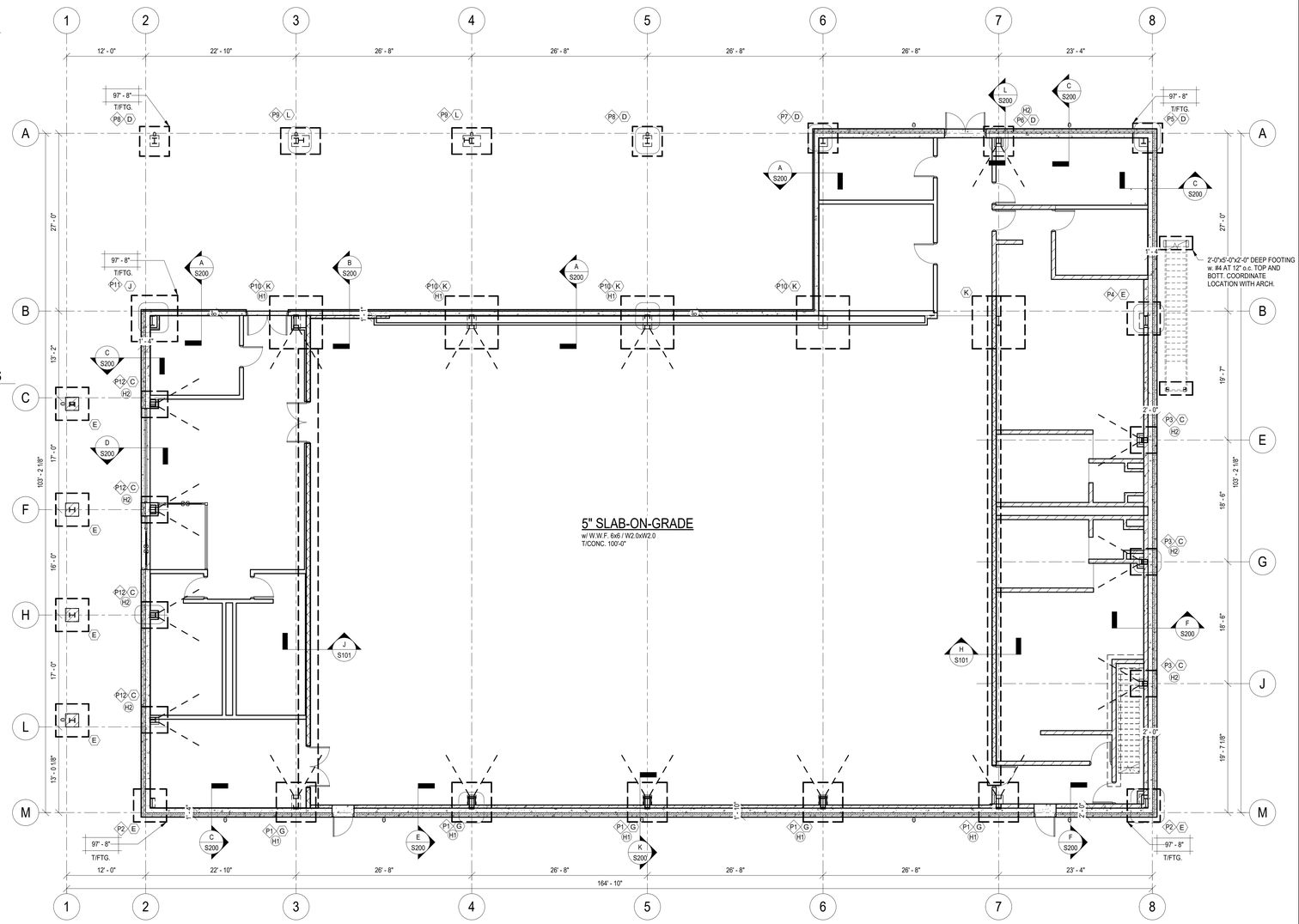
NOTES:
1. SAW CUT CONTROL JOINTS AT 12'-0"o.c. MAX. MAINTAIN LENGTH TO WIDTH RATIO OF 1:1; DO NOT EXCEED MORE THAN 1.5:1.
2. LOCATE AT WALL RE-ENTRANT CORNERS AND ON COLUMNS WHERE POSSIBLE.
3. CONSTRUCTION JOINTS CAN BE LOCATED AT CONTRACTORS OPTION.
4. PROVIDE A JOINTING PLAN FOR ARCHITECTURAL REVIEW IN AREAS WHERE CONCRETE WILL BE EXPOSED TO VIEW.

SLAB REINFORCING DETAILS AT REENTRANT CORNERS
N.T.S.

TYPICAL SLAB-ON-GRADE CONTROL JOINTS



8 HAIR PIN DETAIL
1" = NTS



NOTE:
THE CONCRETE FOUNDATIONS AND PIER DETAILS ON THIS DRAWING ARE PRELIMINARY FOR ESTIMATING PURPOSES ONLY, THE FINAL FOUNDATION DESIGN AND DETAILS WILL BE ISSUED AFTER THE FINAL METAL BUILDING REACTIONS AND BASE PLATE DETAILS ARE SUBMITTED TO THE ENGINEER OF RECORD

NORTH
FOUNDATION PLAN
1/8" = 1'-0"

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FOUNDATION PLAN
S100

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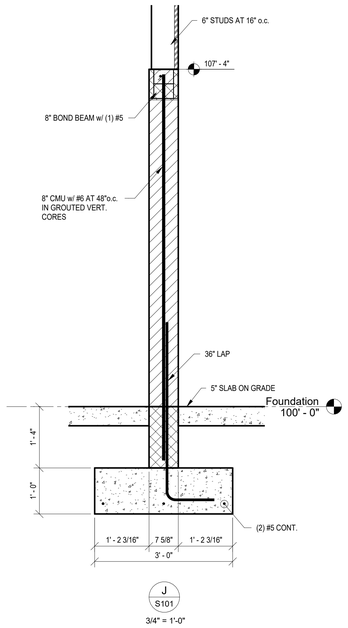
CMU LINTEL SCHEDULE

MARK	WIDTH	HEIGHT	MIN. BR'G.	BOTT. REINF.	TOP. REINF.	SHEAR REINFORCING (STIRRUPS)
8" ML	MATCH WALL WIDTH	8"	8"	(2) #5	-	NOT REQ'D
16" ML		16"	8"	(2) #6	(2) #4	NOT REQ'D

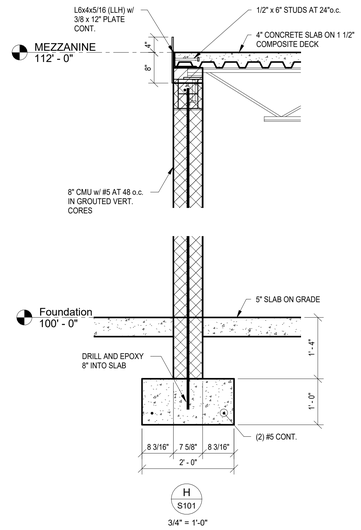
FOOTING SCHEDULE

MARK	SIZE	REINFORCING	NOTES
A	3'-0"SQ. x 12"	(3) - #5 E.W.	
B	3'-6"SQ. x 12"	(3) - #5 E.W.	
C	4'-0"SQ. x 12"	(4) - #5 E.W.	
D	4'-6"SQ. x 12"	(4) - #5 E.W.	
E	5'-0"SQ. x 12"	(5) - #5 E.W.	
F	5'-6"SQ. x 12"	(5) - #5 E.W.	
G	6'-0"SQ. x 13"	(6) - #5 E.W.	
H	6'-6"SQ. x 13"	(6) - #5 E.W.	
J	7'-0"SQ. x 14"	(7) - #5 E.W.	
K	7'-0"SQ. x 16"	(8) - #5 E.W.	
L	4'-0" x 6'-0" x 12"	(5) - #5 LONG (6) #5 SHORT	

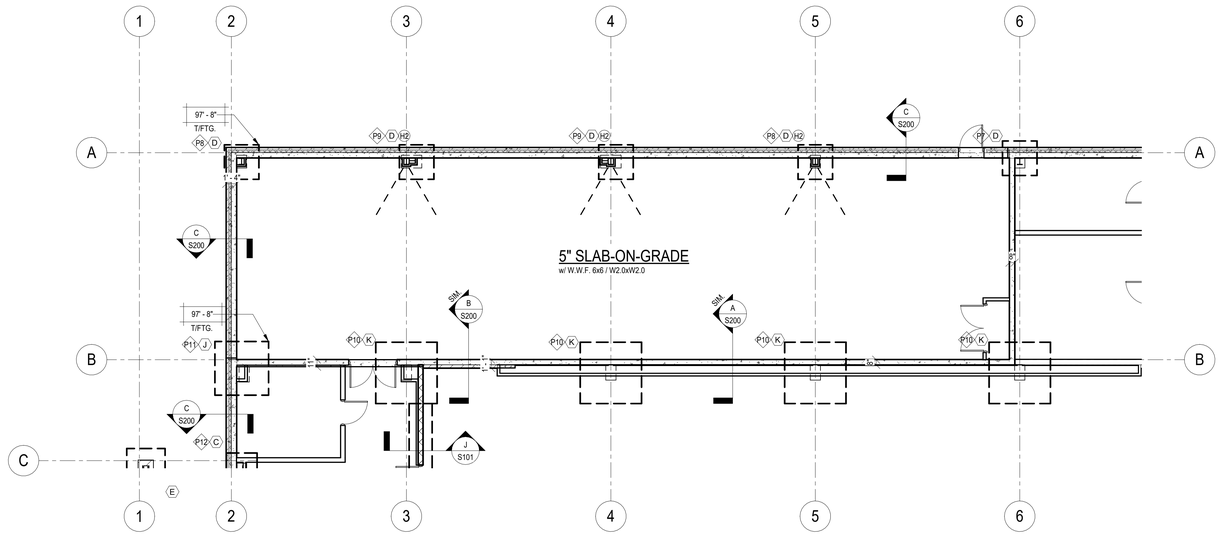
Footnote: Allowable Soil Bearing Capacity = 1500 PSF



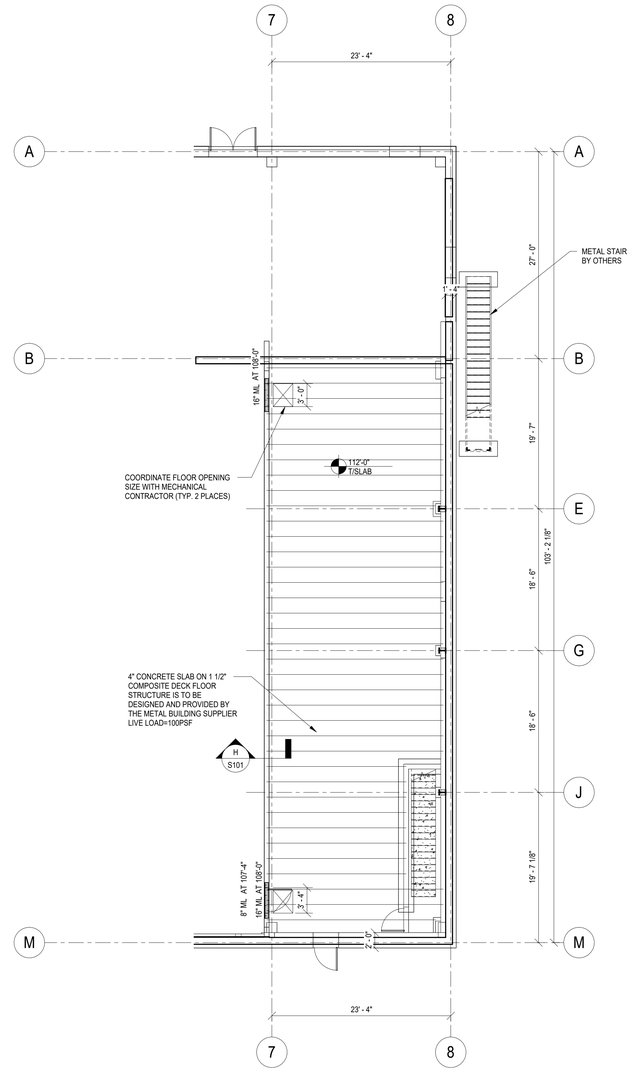
J
S101
3/4" = 1'-0"



H
S101
3/4" = 1'-0"



NORTH
WEIGHT ROOM ALTERNATE G-1
1/8" = 1'-0"



NORTH
MEZZANINE FRAMING
1/8" = 1'-0"

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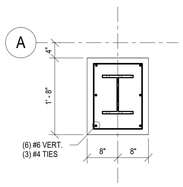
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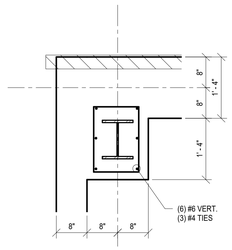
FOUNDATION PLAN ALTERNATIVES

S101

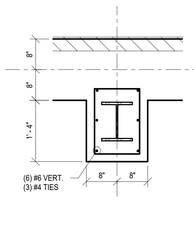
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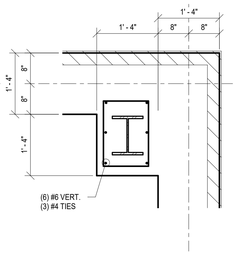
P8
3/4" = 1'-0"



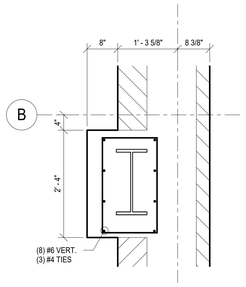
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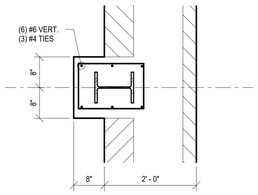
P6
3/4" = 1'-0"



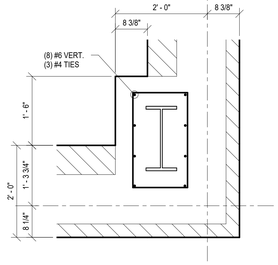
P5
3/4" = 1'-0"



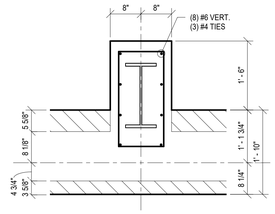
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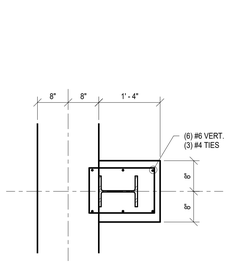
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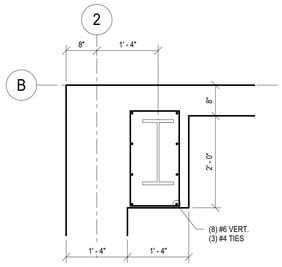
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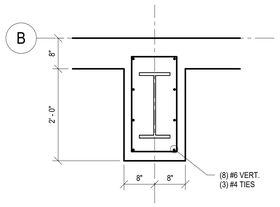
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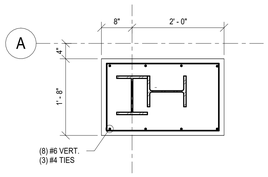
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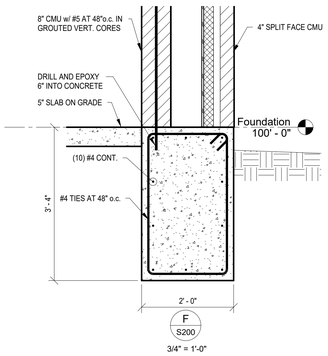
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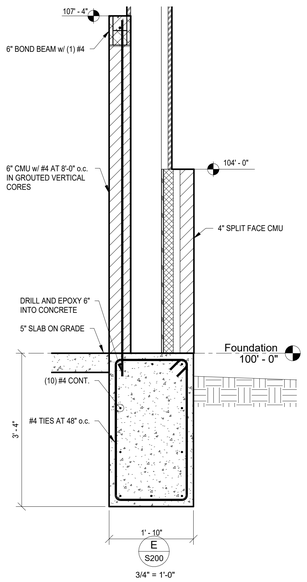
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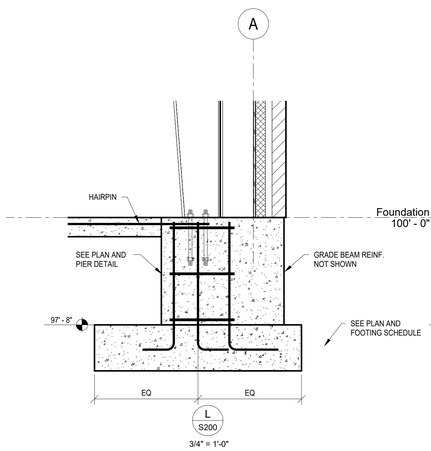
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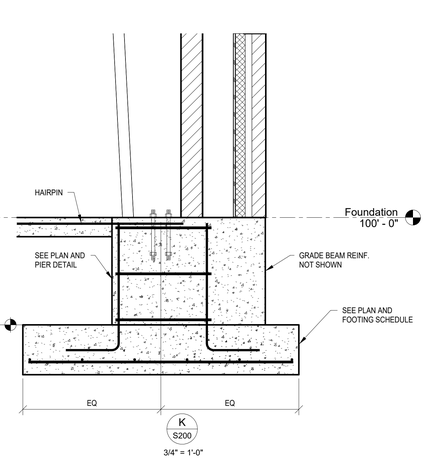
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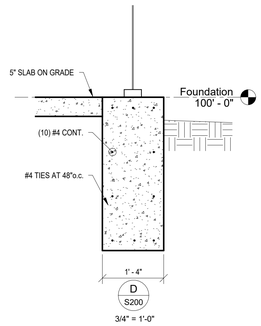
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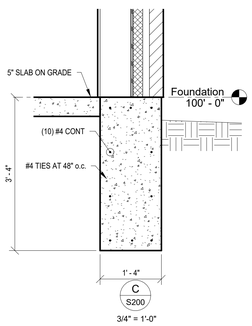
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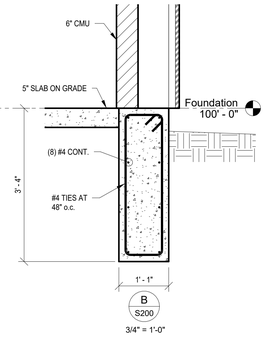
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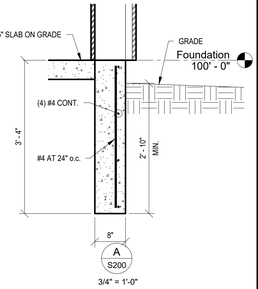
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3/4" = 1'-0"



C
S200
3/4" = 1'-0"



B
S200
3/4" = 1'-0"



A
S200
3/4" = 1'-0"

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FELIX V. RUSCILLO
51953
REGISTERED PROFESSIONAL ENGINEER

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ATHLETIC FACILITY

750 Railroad Ave. Bradford, OH 45308

PROJECT NO: **263401.00**
CHECKED BY: **PR**
DRAWN BY: **CAZ**
DATE: **06.26.2026**

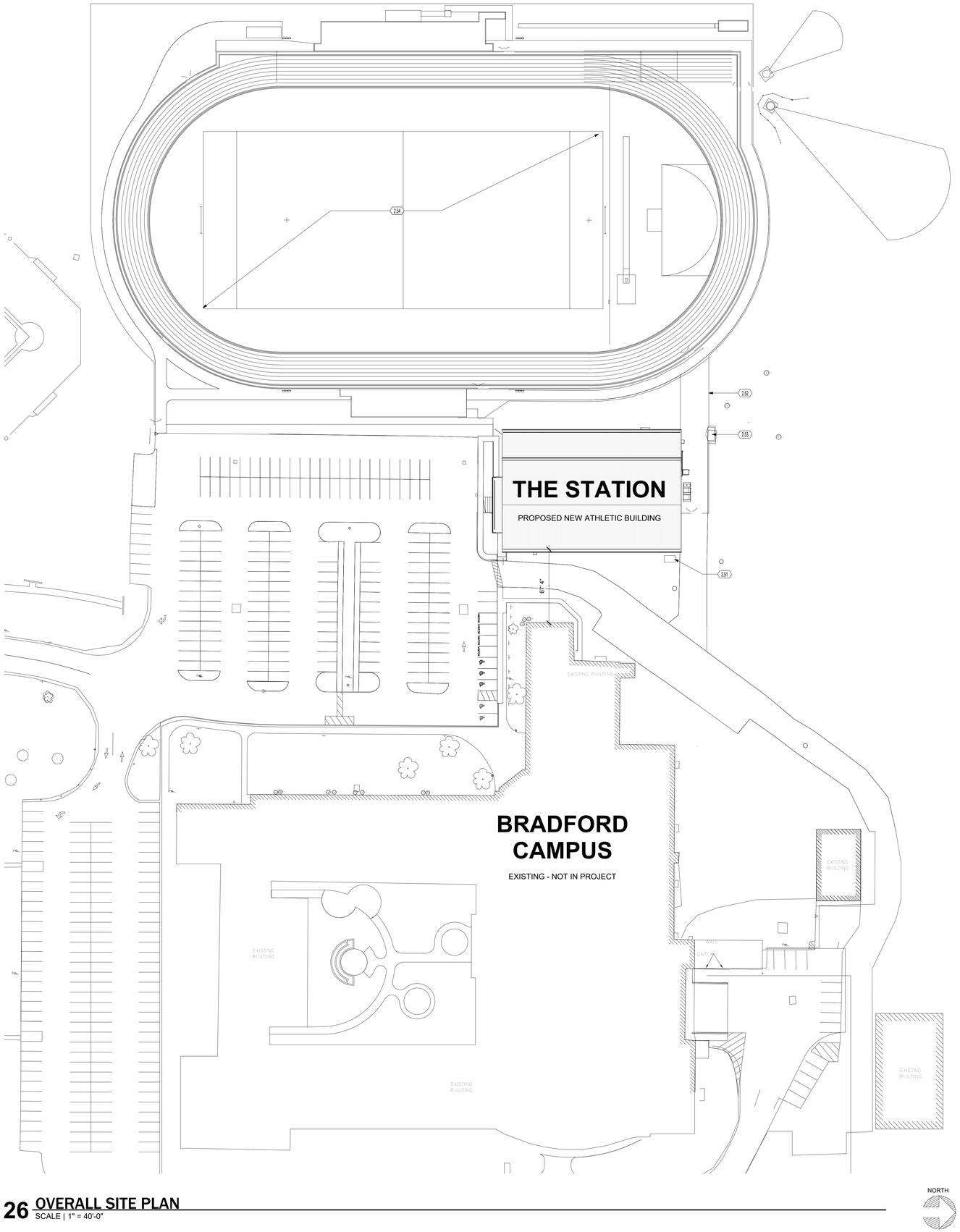
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FOUNDATION SECTIONS

S200

6/25/2026 4:06:25 PM



GENERAL NOTES - SITE PLANS

A. REFERENCE LANDSCAPING PLAN FOR PLANT SPECIES AND EXACT PLANTING LOCATIONS.

B. SEE CIVIL DRAWINGS FOR PARKING LOT DIMENSIONS AND DETAILS.

C. SEE CIVIL DRAWINGS FOR SIDEWALK DIMENSIONS AND DETAILS.

##.## KEYNOTES

2.51 EXISTING METER PIT.
2.52 EXISTING FENCING TO REMAIN.
2.53 EXISTING ELECTRICAL PANELS TO REMAIN. PROTECT FROM DAMAGE DURING CONSTRUCTION.
2.54 EXISTING STADIUM AND TRACK. NO WORK.

26 OVERALL SITE PLAN
SCALE | 1" = 40'-0"

7/13/2026 2:02:39 PM

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OVERALL SITE PLAN

AS100

GENERAL NOTES - FLOOR PLAN

A. SEE SHEET G002 FOR TYPICAL MOUNTING HEIGHTS.

B. ALL TWO-SIDED NEW INTERIOR PARTITIONS ARE A-2 UNLESS NOTED OTHERWISE.

C. COORDINATE FINAL PLACEMENT OF ALL WALL MOUNTED EQUIPMENT WITH SIGNAGE.

D. PRIOR TO GYPSUM BOARD INSTALLATION AND ELECTRICAL ROUGH-IN INSPECTION, GENERAL CONTRACTORS, ELECTRICAL/DATA CONTRACTORS, ARCHITECT, AND CONSTRUCTION MANAGER SHALL REVIEW IN-PLACE LOCATIONS OF ALL SWITCH BOXES, RECEPTACLE BOXES, FIRE ALARM BOXES, ETC. FINAL LOCATIONS MAY BE ADJUSTED AT THIS TIME TO ALIGN OR COORDINATE WITH DESIGN INTENT.

E. ALL WALLS ARE FULL HEIGHT TO DECK ABOVE, UNLESS NOTED OTHERWISE.

F. CG = CORNERGUARD MOUNTED DIRECTLY ABOVE THE BASE. CORNER GUARDS TO BE INSTALLED WHERE NOTED. CORNER GUARDS TO BE 16 GAUGE STAINLESS STEEL, 84" TALL WITH 2" LEGS. INSTALL USING CONSTRUCTION ADHESIVE.

G. CONTRACTOR TO PROVIDE WOOD BLOCKING BACK-UP IN ALL STUD WALL ASSEMBLIES AS REQUIRED FOR MOUNTING OF ALL WALL HUNG ACCESSORIES, HUNG FIXTURES, VISUAL DISPLAYS, ETC. COORDINATE WITH OWNER PROVIDED EQUIPMENT AND LOCATIONS.

H. FOR FURNITURE LAYOUT, SEE FURNITURE PLAN.

I. FOR WINDOW ELEVATIONS, SEE GLAZING SHEET.

KEYNOTES

##.##

3.18 RECESS THIS PORTION OF THE SLAB 2" TO ACCOMMODATE 2" MUD SLAB THAT SLOPES TO THE FLOOR DRAIN.

3.19 8FT X 5FT POURED CONCRETE STOOP WITH BRUSHED FINISH. STOOP IS EVEN WITH FINISHED FLOOR ELEVATION. SLOPE AWAY FROM BUILDING.

3.20 5FT X 5FT POURED CONCRETE STOOP WITH BRUSHED FINISH. STOOP IS 4" BELOW FINISH FLOOR ELEVATION. SLOPE AWAY FROM BUILDING.

4.22 CMU WAINSCOT IN GYM. 7' 4" HIGH, 8" CMU, PAINTED.

4.24 CMU WAINSCOT IN GYM. 7' 4" HIGH, 6" CMU, PAINTED.

5.08 INSTALL 24 GAUGE LINER PANEL ON ALL GYM WALLS ABOVE CMU WAINSCOT. LINER PANEL SHALL EXTEND TO BOTTOM OF ROOF STRUCTURE / ROOF GIRTS. (MP-1)

5.29 PORTAL FRAME BRACING BY PEMB MANUFACTURER: BASE BID.

7.35 5X5 DOWNSPOUT

7.37 PROVIDE AND INSTALL METAL STUD FURRING, 3/4" PLYWOOD AND WALL PADS AT EXPOSED COLUMN. PLYWOOD AND PANELING SHALL EXTEND TO 7'-4" ABOVE THE FINISHED FLOOR EVEN WITH THE TOP OF THE CMU WAINSCOT.

8.06 LOCATION OF ADA PUSH BUTTON ACTUATOR. INSTALL IN CMU TO 38" ABOVE FINISHED FLOOR TO THE CENTER OF THE ACTUATOR.

KEYNOTES

8.19 COILING OVERHEAD COUNTER DOOR.

8.21 INSTALL THREE 16 GAUGE METAL STUDS AT COUNTER COILING DOOR JAMBS FOR SECURE ATTACHMENT OF WALL MOUNTED DOOR TRACKS AND MECHANISM. STUDS TO BE INSTALLED FROM THE FLOOR TO THE TOP OF THE WALL AND SHALL BE DIAGONALLY BRACED TO THE EXTERIOR WALL ABOVE THE CEILING.

9.27 CONSTRUCT TYPE A2 WALL ON TOP OF CMU WALL TO DECK ABOVE. LEVEL 3 FINISH.

9.28 3 5/8" METAL STUDS AT 16" ON CENTER WITH 24 GAUGE LINER PANEL. INSTALL PLYWOOD AND BREAK METAL CAP PER DETAIL. WALL IS 7'-4" TALL (NOTE: LINER PANEL ON THIS WALL IS BASE BID).

9.31 INSTALL 4'-0" WIDE BY 8'-0" TALL FRP PANELS ON WALLS AT MOP SINK. COLOR SHALL BE WHITE.

9.37 INSTALL 5/8" GYPSUM BOARD ON INTERIOR OF PEMB GIRTS. PROVIDE 3 5/8" STUDS AT 16" ON CENTER BETWEEN GIRTS FOR GYPSUM BOARD SUPPORT.

10.21 INSTALL SLEEVES FOR VOLLEYBALL NET POSTS AT MAIN VOLLEYBALL COURT. VOLLEYBALL EQUIPMENT NOT IN CONTRACT.

10.37 FIRE EXTINGUISHER IN SEMI-RECESSED CABINET.

10.53 4FT BUILT-IN BENCH

10.54 6FT BUILT-IN BENCH

KEYNOTES

10.55 INSTALL MOP RACK ON WALL: BOBRICK MODEL B223X24 OR EQUAL. INSTALL 5'-0" OFF OF FINISHED FLOOR.

10.58 FUTURE BLEACHERS PROVIDED BY OWNER. BLEACHERS NOT IN CONTRACT.

12.19 OWNER PROVIDED AND INSTALLED REFRIGERATOR.

12.20 OWNER PROVIDED AND INSTALLED ICE MAKER.

22.21 MOP SINK. REFER TO PLUMBING DRAWINGS.

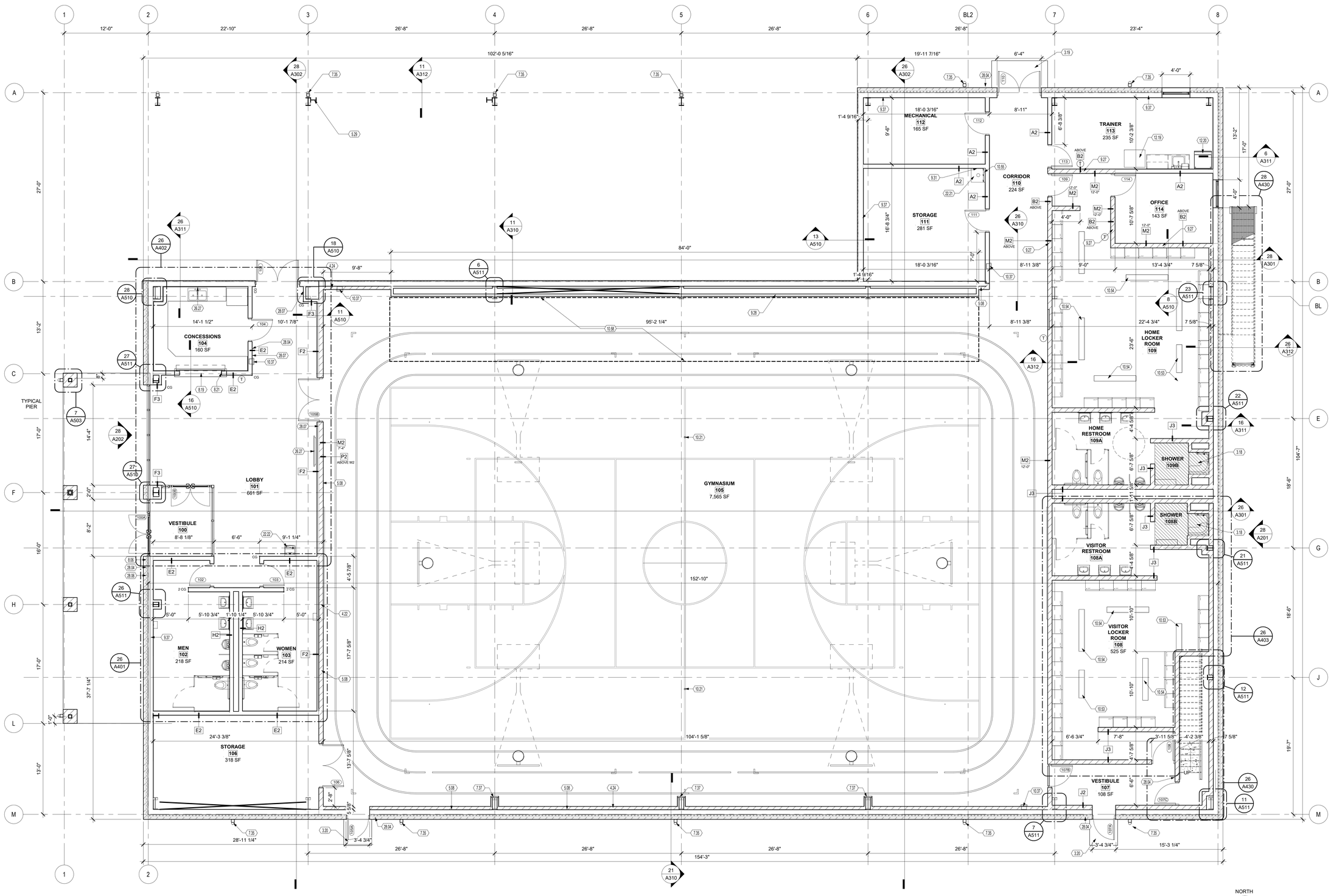
22.22 INSTALL OWNER PROVIDED DRINKING FOUNTAIN WITH BOTTLE FILLER AT THIS LOCATION.

26.27 MONITOR BY OWNER, PROVIDE ELECTRICAL AND TECHNOLOGY ROUGH-INS AND SUPPORT BLOCKING. ROUGH-INS SHALL BE 7'-0" AFF TO CENTER.

28.04 ROUGH-IN FOR CARD READER. INSTALLED IN CMU AT 38" AFF TO THE CENTER OF THE CARD READER.

28.06 ROUGH-IN FOR VIDEO CALL STATION. CALL STATION PROVIDED AND INSTALLED BY OWNER. INSTALLED IN CMU AT 38" AFF TO THE CENTER OF THE CALL STATION.

28.07 CARD READER ROUGH-IN AT 42" AFF TO CENTER OF ROUGH-IN.



26 FIRST FLOOR PLAN

SCALE | 3/16" = 1'-0"

NORTH

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ATHLETIC FACILITY

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BRADFORD RAILROADERS

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FIRST FLOOR PLAN

A101

GENERAL NOTES - FLOOR PLAN

A. SEE SHEET G002 FOR TYPICAL MOUNTING HEIGHTS.

B. ALL TWO-SIDED NEW INTERIOR PARTITIONS ARE A-2 UNLESS NOTED OTHERWISE.

C. COORDINATE FINAL PLACEMENT OF ALL WALL MOUNTED EQUIPMENT WITH SIGNAGE.

D. PRIOR TO GYPSUM BOARD INSTALLATION AND ELECTRICAL ROUGH-IN INSPECTION, GENERAL CONTRACTORS, ELECTRICAL/DATA CONTRACTORS, ARCHITECT, AND CONSTRUCTION MANAGER SHALL REVIEW IN-PLACE LOCATIONS OF ALL SWITCH BOXES, RECEPTACLE BOXES, FIRE ALARM BOXES, ETC. FINAL LOCATIONS MAY BE ADJUSTED AT THIS TIME TO ALIGN OR COORDINATE WITH DESIGN INTENT.

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H. FOR FURNITURE LAYOUT, SEE FURNITURE PLAN.

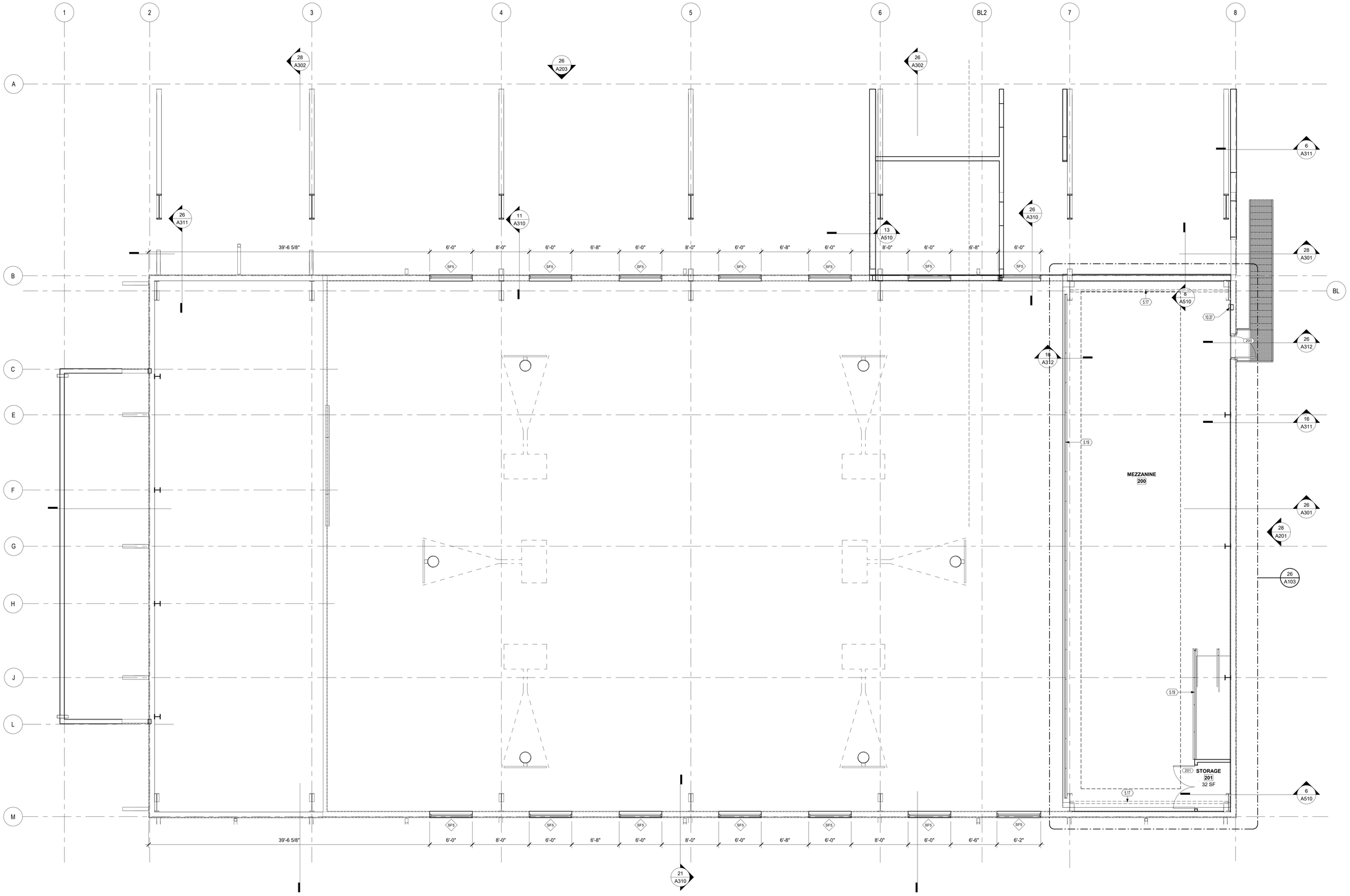
I. FOR WINDOW ELEVATIONS, SEE GLAZING SHEET.

KEYNOTES

5.17 INSTALL W8X15 AT APPROXIMATELY 14'-6" ABOVE THE MEZZANINE FINISH FLOOR BETWEEN STEEL FRAME MEMBERS FOR BATTING CAGE CABLE SUPPORT. BOLT TO STEEL FRAME.

5.19 ALUMINUM HANDRAIL. REFER TO SPECIFICATIONS AND TO DETAILS.

10.37 FIRE EXTINGUISHER IN SEMI-RECESSED CABINET.



NORTH

26 MEZZANINE FLOOR PLAN

SCALE | 3/16" = 1'-0"

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OVERALL MEZZANINE PLAN

A102

GENERAL NOTES - FLOOR PLAN

A. SEE SHEET G002 FOR TYPICAL MOUNTING HEIGHTS.

B. ALL TWO-SIDED NEW INTERIOR PARTITIONS ARE A-2 UNLESS NOTED OTHERWISE.

C. COORDINATE FINAL PLACEMENT OF ALL WALL MOUNTED EQUIPMENT WITH SIGNAGE.

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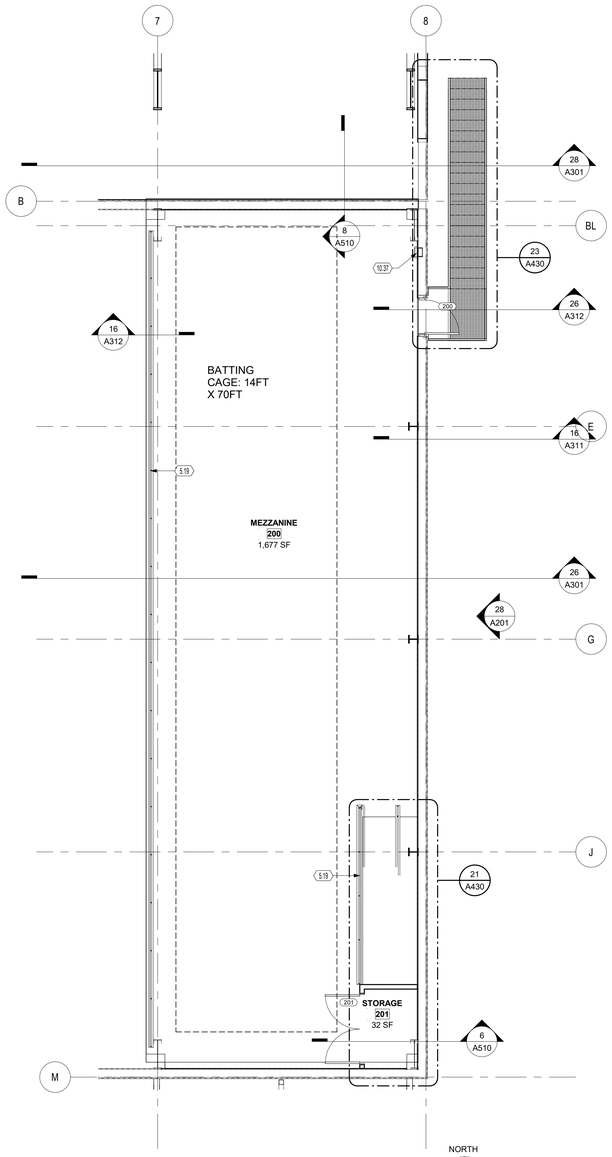
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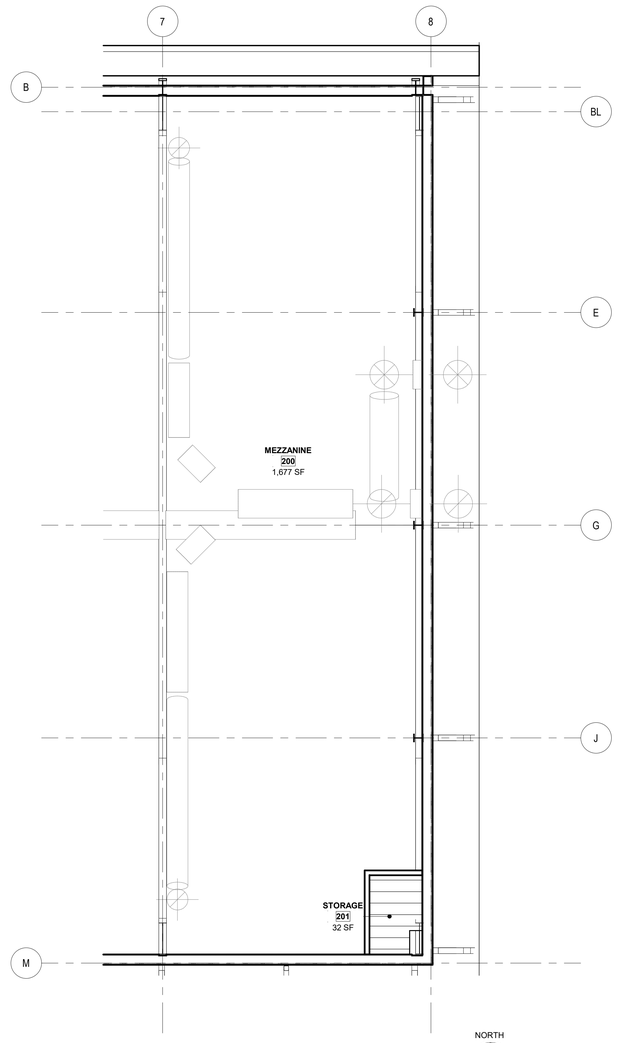
##.## KEYNOTES

5.19 ALUMINUM HANDRAIL. REFER TO SPECIFICATIONS AND TO DETAILS.
10.37 FIRE EXTINGUISHER IN SEMI-RECESSED CABINET.



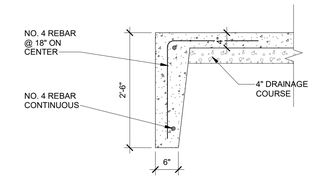
26 MEZZANINE FLOOR PLAN
SCALE | 3/16" = 1'-0"

NORTH

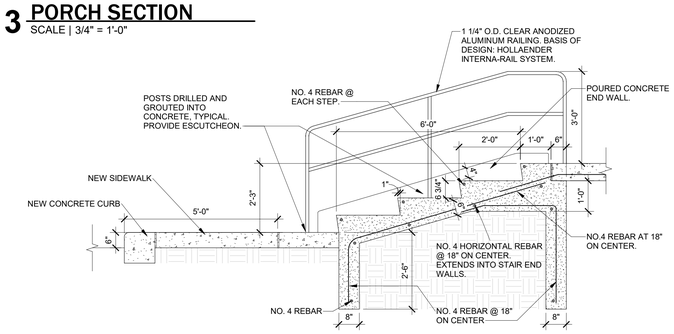


16 MEZZANINE - REFLECTED CEILING PLAN
SCALE | 3/16" = 1'-0"

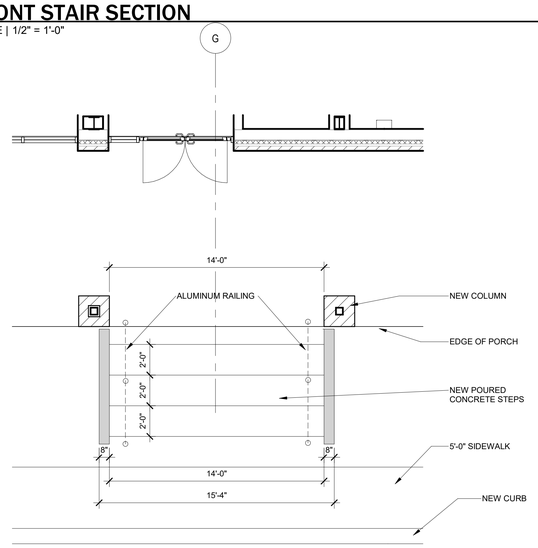
NORTH



3 PORCH SECTION
SCALE | 3/4" = 1'-0"



1 FRONT STAIR SECTION
SCALE | 1/2" = 1'-0"



2 FRONT STAIR FLOOR PLAN
SCALE | 1/4" = 1'-0"

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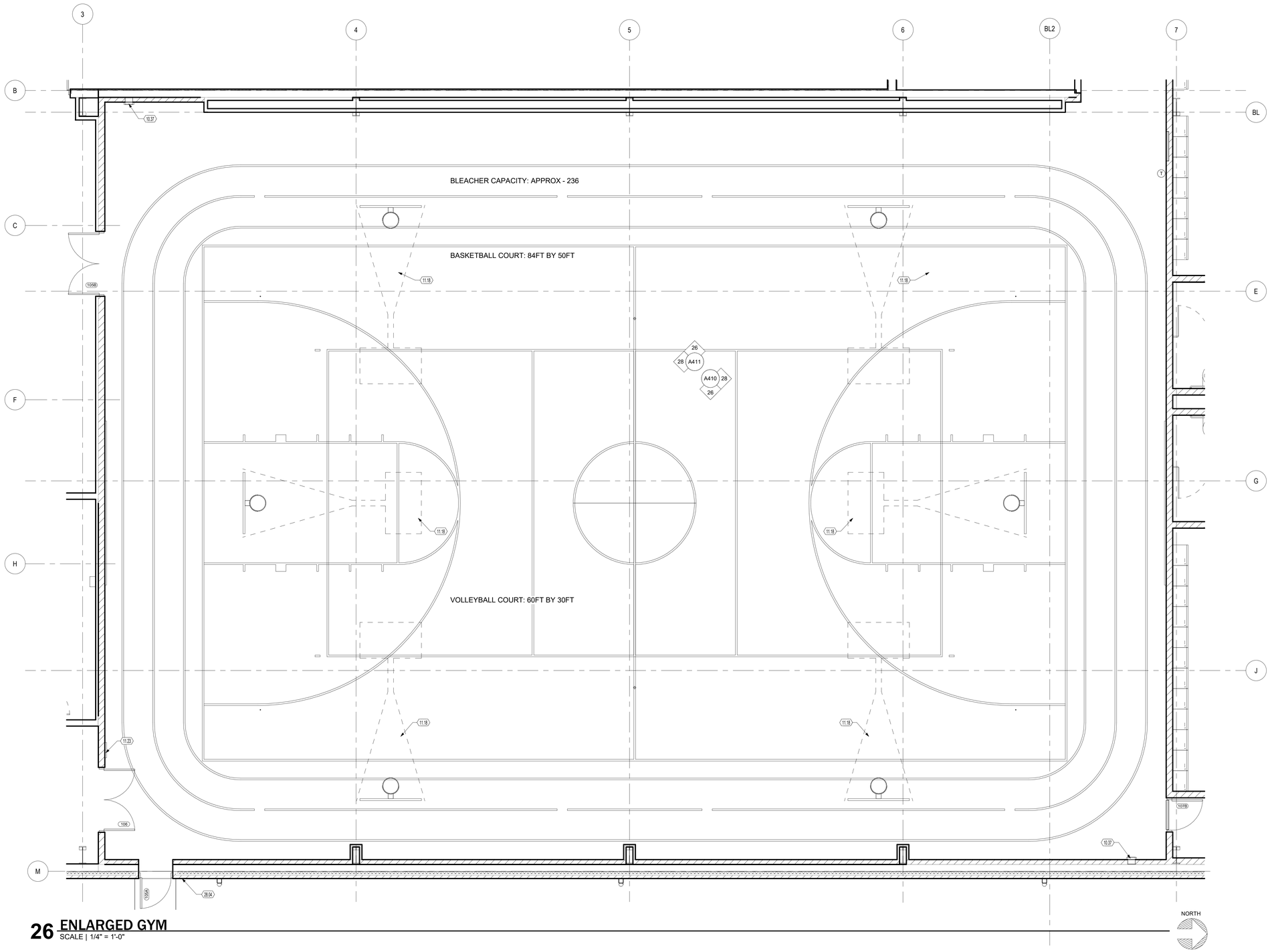
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MEZZANINE FLOOR PLAN & REFLECTED CEILING PLAN

A103

KEYNOTES

10.37 FIRE EXTINGUISHER IN SEMI-RECESSED CABINET.
11.18 PROVIDE AND INSTALL FORWARD FOLDING MOTORIZED BACKSTOP. NOTE: BACKBOARD, RIM AND BACKBOARD PADDING ARE BEING PROVIDED BY THE OWNER. THESE SHALL BE INSTALLED BY THE BACKSTOP PROVIDER. THE BACKBOARD, RIM, AND PADDING ARE BY BSN SPORTS. ITEM NUMBER NSPHG, MODEL OFX423SE WITH BLACK PADDING.
11.23 BASKETBALL BACKSTOP CONTROLS.
28.04 ROUGH-IN FOR CARD READER. INSTALLED IN CMU AT 38" AFF TO THE CENTER OF THE CARD READER.



26 ENLARGED GYM
SCALE | 1/4" = 1'-0"

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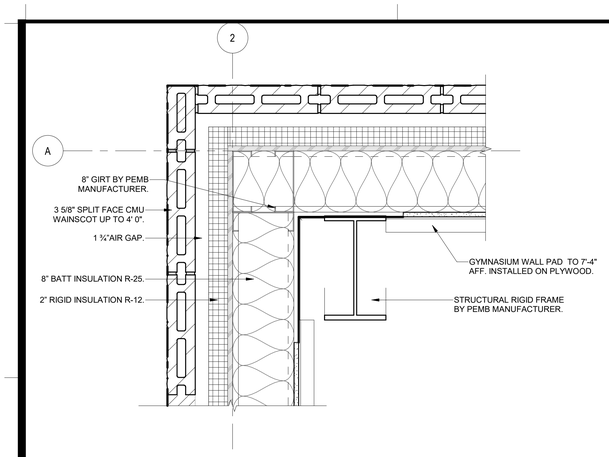
ATHLETIC FACILITY
760 Railroad Ave, Bradford, OH 45308

PROJECT NO: **263401.00**
CHECKED BY: **MH**
DRAWN BY: **DG**
DATE: **07.06.2026**

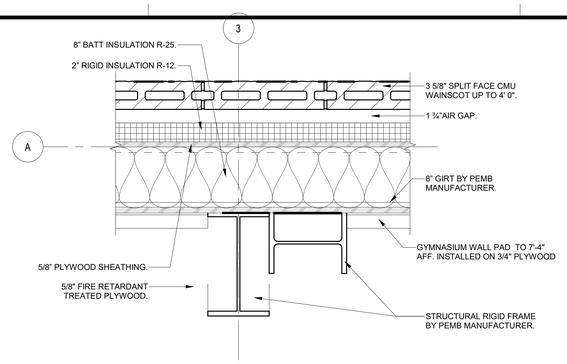
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ENLARGED GYM PLAN

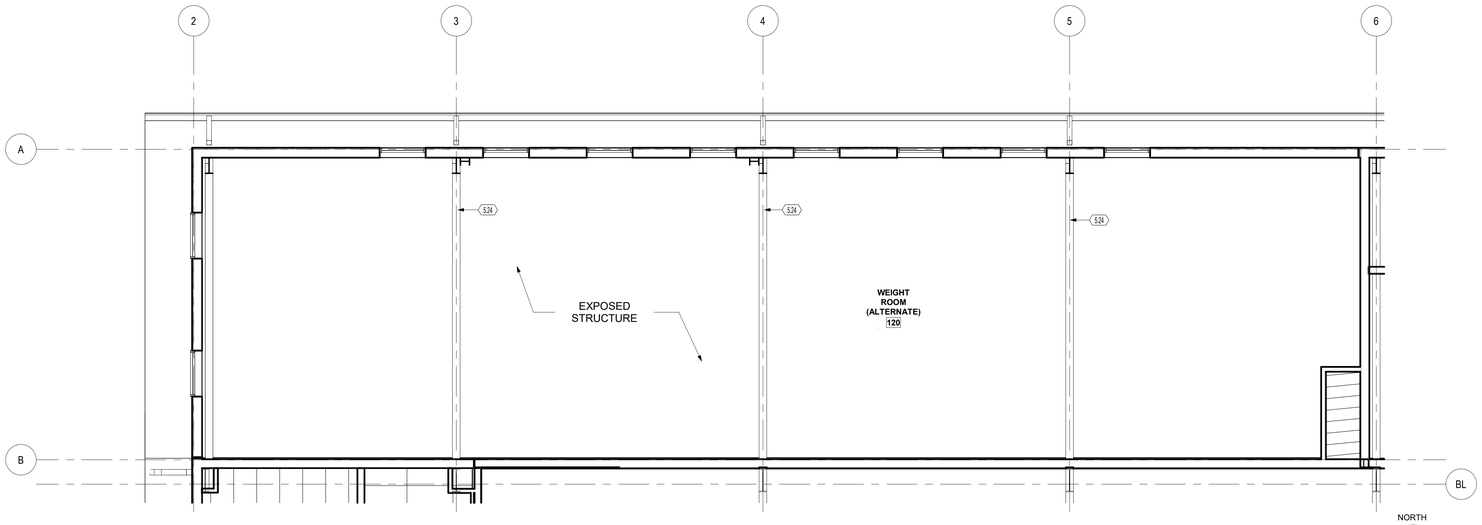
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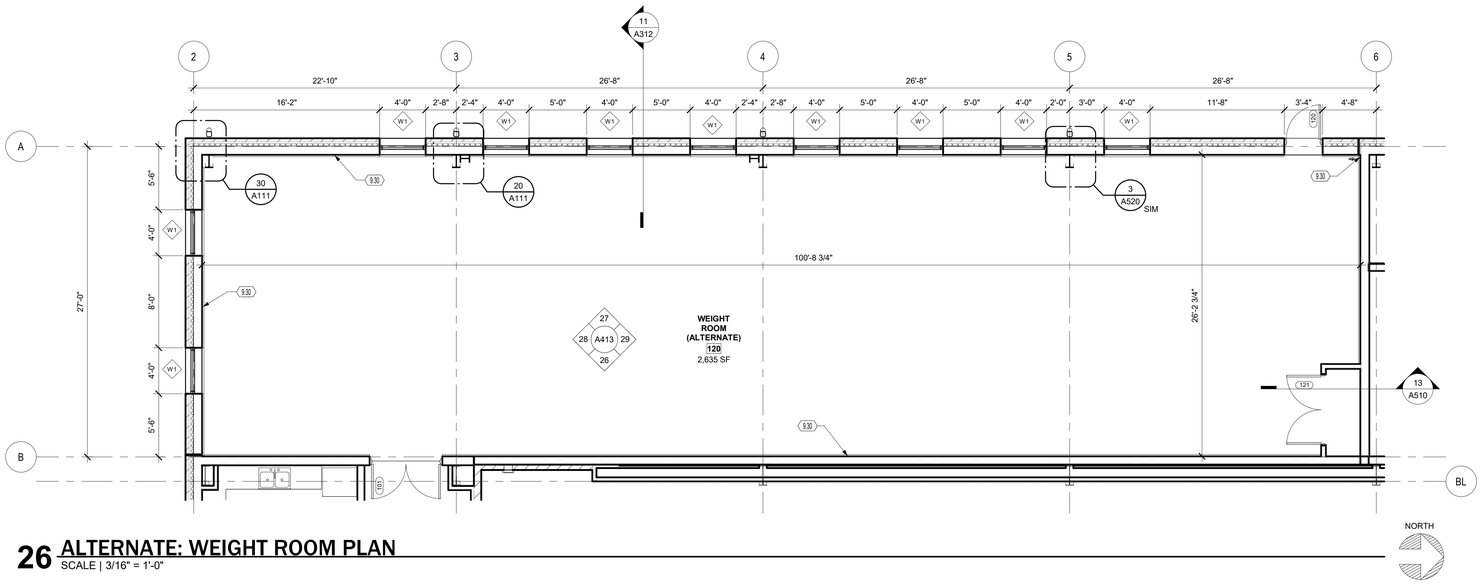
30 FIRST FLOOR PLAN
SCALE | 1 1/2" = 1'-0"



20 FIRST FLOOR PLAN
SCALE | 1 1/2" = 1'-0"



28 ALTERNATE: WEIGHT ROOM REFLECTED CEILING PLAN
SCALE | 3/16" = 1'-0"



26 ALTERNATE: WEIGHT ROOM PLAN
SCALE | 3/16" = 1'-0"

GENERAL NOTES - CEILING

A. EXTEND ALL FRAMING TO STRUCTURE U.N.O.

B. PROVIDE ACOUSTICAL SEALANT AT ALL SOFFIT LOCATIONS THAT EXTEND TO DECK

C. SEE G-002 FOR PROJECT GENERAL REQUIREMENTS AND CEILING LEGEND.

D. ALL CEILING TILE TO BE CENTERED IN ROOM AND AT LEAST 6" OR GRATER IN SIZE UNLESS NOTED OTHERWISE.

E. REFER TO ADDITIONAL TRADES FOR ITEMS NOT SHOWN ON THESE DRAWINGS.

F. ALL PLASTER AND GYP. CEILINGS TO BE FINISHED AND PAINTED U.N.O.

G. CEILING DEVICES TO BE COORDINATED TO MATCH CEILING COLOR.

CEILING LEGEND

- 2' x 2' ACOUSTICAL CEILING
- 2' x 4' ACOUSTICAL CEILING
- EXPOSED STRUCTURE
- GYPSUM BOARD CEILING
- SOFFIT
- RETURN GRILLE
- SUPPLY GRILLE
- 2' x 4' RECESSED LIGHTING FIXTURE
- OP — OCCUPANCY SENSOR
- EXIT SIGN

KEYNOTES

5.24 PEMB STRUCTURAL RIGID FRAME. PRIME AND PAINT PNT-2

9.30 PROVIDE AND INSTALL WALL PADDING ON THE WEIGHT ROOM WALLS WHERE INDICATED. PADDING SHALL BE INSTALLED ON ALL FOUR WALLS OVER 3/4" PLYWOOD SHEATHING ON METAL STUDS AT 24" ON CENTER. AT EXTERIOR WALL INSTALL METAL STUDS BETWEEN GIRTS AS REQUIRED.

GENERAL NOTES - FLOOR PLAN

A. SEE SHEET G002 FOR TYPICAL MOUNTING HEIGHTS.

B. ALL TWO-SIDED NEW INTERIOR PARTITIONS ARE A-1 UNLESS NOTED OTHERWISE.

C. COORDINATE FINAL PLACEMENT OF ALL WALL MOUNTED EQUIPMENT WITH SIGNAGE.

D. PRIOR TO GYPSUM BOARD INSTALLATION AND ELECTRICAL ROUGH-IN INSPECTION, GENERAL CONTRACTORS, ELECTRICAL/DATA CONTRACTORS, ARCHITECT, AND CONSTRUCTION MANAGER SHALL REVIEW IN-PLACE LOCATIONS OF ALL SWITCH BOXES, RECEPTACLE BOXES, FIRE ALARM BOXES, ETC. FINAL LOCATIONS MAY BE ADJUSTED AT THIS TIME TO ALIGN OR COORDINATE WITH DESIGN INTENT.

E. ALL WALLS ARE FULL HEIGHT TO DECK ABOVE, UNLESS NOTED OTHERWISE.

F. CG = CORNERGUARD MOUNTED DIRECTLY ABOVE THE BASE. CORNER GUARDS TO BE INSTALLED WHERE NOTED.

G. CONTRACTOR TO PROVIDE WOOD BLOCKING BACK-UP IN ALL STUD WALL ASSEMBLIES AS REQUIRED FOR MOUNTING OF ALL WALL HUNG ACCESSORIES, HUNG FIXTURES, VISUAL DISPLAYS, ETC. COORDINATE WITH OWNER PROVIDED EQUIPMENT AND LOCATIONS.

H. FOR FURNITURE LAYOUT, SEE FURNITURE PLAN.

I. FOR WINDOW ELEVATIONS, SEE GLAZING SHEET

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13215
REGISTERED ARCHITECT

Mark C. Wiseman, License #13215
Expiration Date 12/31/2027

REVISIONS :

Number	Description	Date

PRINTINGS :
CONSTRUCTION DOCUMENTS / PERMIT SET 07.06.2026

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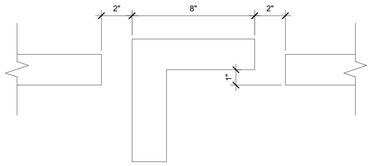
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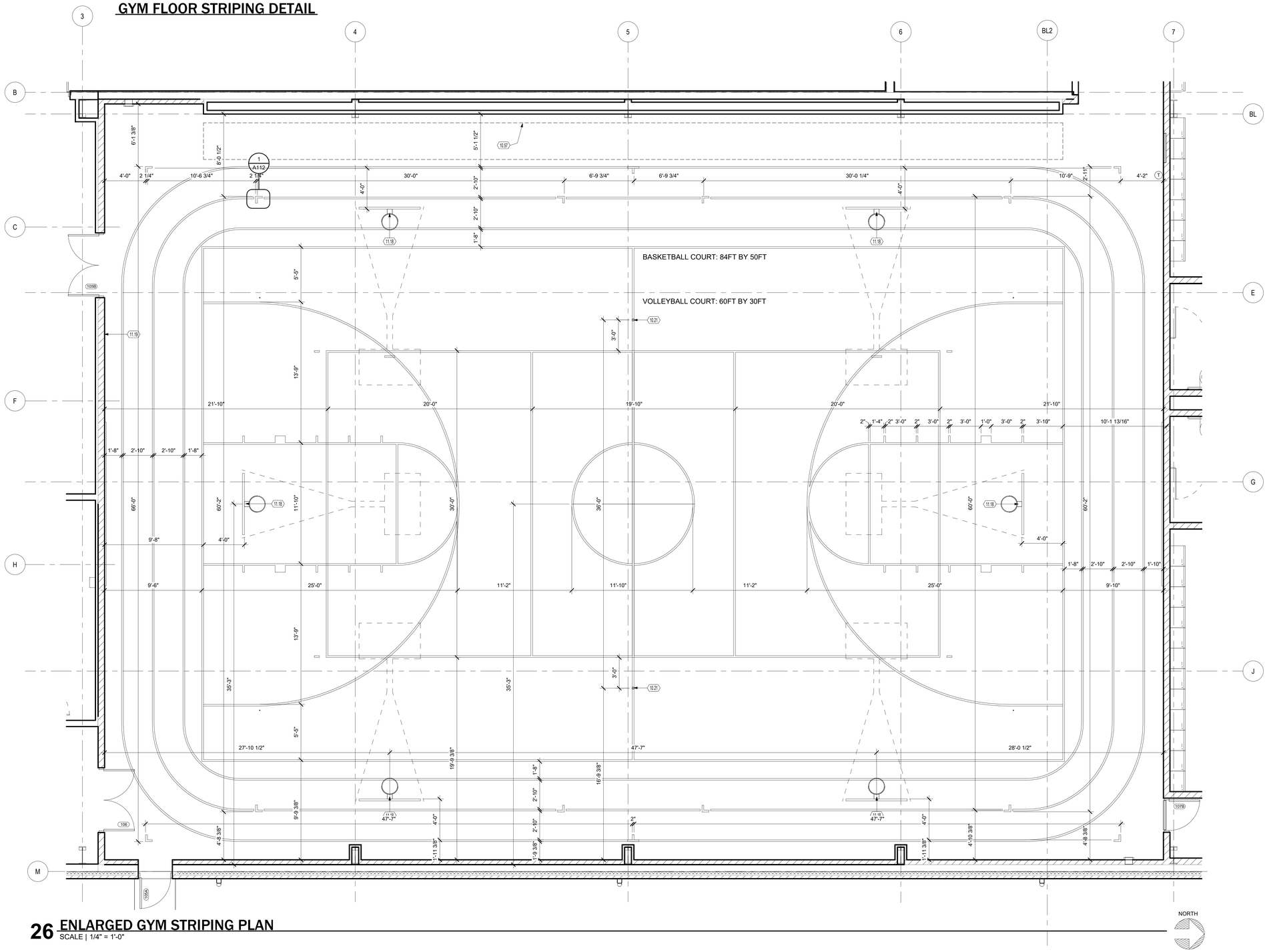
ALTERNATE - FIRST FLOOR & REFLECTED CEILING PLAN

A111

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GYM FLOOR STRIPING DETAIL



26 ENLARGED GYM STRIPING PLAN
SCALE | 1/4" = 1'-0"

KEYNOTES

10.21 INSTALL SLEEVES FOR VOLLEYBALL NET POSTS AT MAIN VOLLEYBALL COURT. VOLLEYBALL EQUIPMENT NOT IN CONTRACT.
10.57 LINE REPRESENTING BLEACHERS IN RETRACTED POSITION.
11.18 PROVIDE AND INSTALL FORWARD FOLDING MOTORIZED BACKSTOP. NOTE: BACKBOARD, RIM AND BACKBOARD PADDING ARE BEING PROVIDED BY THE OWNER. THESE SHALL BE INSTALLED BY THE BACKSTOP PROVIDER. THE BACKBOARD, RIM, AND PADDING ARE BY BSN SPORTS. ITEM NUMBER NSPHG, MODEL OFX4235E WITH BLACK PADDING.
11.19 LOCATION OF FUTURE WALL MOUNTED SCOREBOARD PROVIDED AND INSTALLED BY OWNER. PROVIDE BLOCKING AND POWER ROUGH-INS. BASED ON DAKTRONICS MODEL BB-2107 WITH PLAYER STAT PANELS MODEL SD-2102.

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GYM STRIPING PLAN

A112

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KEYNOTES

5.01	STEEL FRAME BY PEMB MANUFACTURER. PRIME AND PAINT.
7.34	6X8 GUTTER WITH BRACKETS. SEE DETAIL ON SHEET A502.
7.35	5X5 DOWNSPOUT
9.33	INSTALL BREAK METAL COVER AT PERIMETER PER DETAILS 6 AND 16 ON SHEET A503
9.34	NO CEILING IN THIS ROOM. PRIME AND PAINT EXPOSED STRUCTURE
9.38	BREAK METAL SOFFIT.
9.39	NO CEILING IN THIS ROOM. STRUCTURE SHALL BE EXPOSED.
9.40	GYPSUM BOARD SOFFIT AT 8' 0" AFF.
10.44	FUTURE DECORATIVE BRACKET PROVIDED AND INSTALLED BY OWNER. PROVIDE AND INSTALL 2X BLOCKING AT SOFFIT AND AT WALL FOR BRACKET INSTALLATION BY OTHERS. SEE DETAIL ON A501 FOR BLOCKING INSTRUCTIONS.
11.18	PROVIDE AND INSTALL FORWARD FOLDING MOTORIZED BACKSTOP. NOTE: BACKBOARD, RIM AND BACKBOARD PADDING ARE BEING PROVIDED BY THE OWNER. THESE SHALL BE INSTALLED BY THE BACKSTOP PROVIDER. THE BACKBOARD, RIM, AND PADDING ARE BY BSN SPORTS. ITEM NUMBER NSPHG, MODEL OFX4235E WITH BLACK PADDING.
11.19	LOCATION OF FUTURE WALL MOUNTED SCOREBOARD PROVIDED AND INSTALLED BY OWNER. PROVIDE BLOCKING AND POWER ROUGH-INS. BASED ON DAKTRONICS MODEL BB-2107 WITH PLAYER STAT PANELS MODEL SD-2102.

CEILING LEGEND

- 2' x 2' ACOUSTICAL CEILING
- 2' x 4' ACOUSTICAL CEILING
- EXPOSED STRUCTURE
- GYPSUM BOARD CEILING
- SOFFIT
- RETURN GRILLE
- SUPPLY GRILLE
- 2' x 4' RECESSED LIGHTING FIXTURE
- OP — OCCUPANCY SENSOR
- EXIT SIGN

GENERAL NOTES - CEILING

A. EXTEND ALL FRAMING TO STRUCTURE U.N.O.

B. PROVIDE ACOUSTICAL SEALANT AT ALL SOFFIT LOCATIONS THAT EXTEND TO DECK

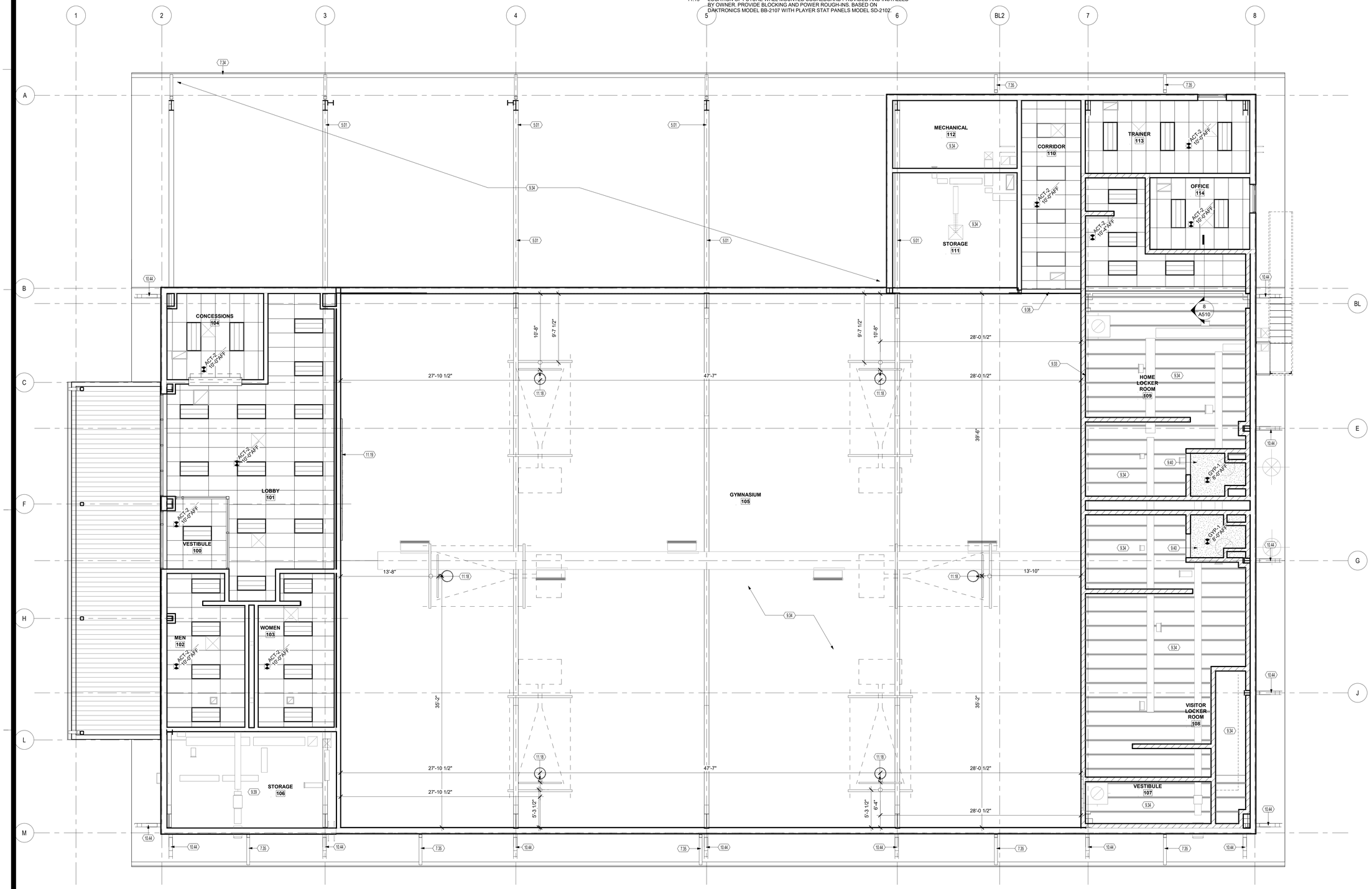
C. SEE G-002 FOR PROJECT GENERAL REQUIREMENTS AND CEILING LEGEND.

D. ALL CEILING TILE TO BE CENTERED IN ROOM AND AT LEAST 6" OR GRATER IN SIZE UNLESS NOTED OTHERWISE.

E. REFER TO ADDITIONAL TRADES FOR ITEMS NOT SHOWN ON THESE DRAWINGS.

F. ALL PLASTER AND GYP. CEILINGS TO BE FINISHED AND PAINTED U.N.O.

G. CEILING DEVICES TO BE COORDINATED TO MATCH CEILING COLOR.



NORTH

26 REFLECTED CEILING PLAN
SCALE | 3/16" = 1'-0"

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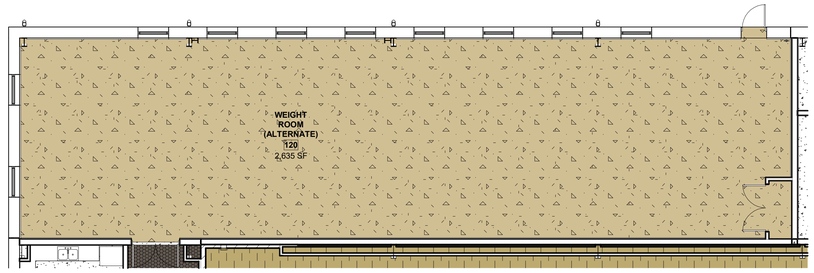
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REFLECTED CEILING PLAN

A121

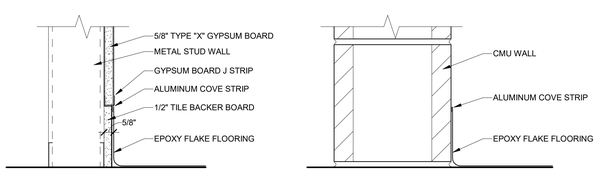
FINISH MATERIAL SCHEDULE

KEY NAME	DESCRIPTION	BASIS OF DESIGN	MODEL NAME / COLOR / MODEL NUMBER	SIZE	COMMENTS
BASE					
EB-1	EPOXY BASE	SHERWIN WILLIAMS	DECO FLAKE FLOORING	4"	CUSTOM COLOR TO MATCH OWNER'S SAMPLE
RB -1	RUBBER BASE	TARKETT	JOHNSONITE TRADITIONAL VINYL 1/8" / BLACK	4"	
CASEWORK					
PL-1	PLASTIC LAMINATE	WILSONART	DOVE GREY D92	-	CABINET BODY / FACES
PL-2	PLASTIC LAMINATE	WILSONART	RUSTIC SLATE 4888-38	-	COUNTERTOP
CEILING					
ACT-2	ACOUSTICAL CEILING TILE	ARMSTRONG	SCHOOL ZONE FINE FISSURED / WHITE /	24" X 48"	
EXP - 1	EXPOSED CEILING				ALL EXPOSED DECKING, CONDUIT, PIPING, DUCTWORK, ETC. OPEN TO BELOW TO BE FINISHED AND PAINTED [PNT-3], EXPOSED STRUCTURE TO BE FINISHED AND PAINTED [PNT-3]
GYP-1	GYPSUM CEILING, PAINTED		SW 7007 CEILING WHITE		
FLOORING					
CO-1	SEALED CONCRETE	-	-	-	
EPX-1	EPOXY FLECK FLOORING	SHERWIN WILLIAMS	DECO FLAKE FLOORING		CUSTOM COLOR TO MATCH OWNER'S SAMPLE
LVT-1	LUXURY VINYL TILE	SHAW CONTRACT	TERRAIN II 20 mil 5mm 4110V: SUMMIT 05012	9" X 48"	ASHLAR INSTALLATION
SG-1	SYNTHETIC GYM FLOORING	ROBBINS	PULASTIC SPORTS FLOORING / CLASSIC 110 / WOODGRAIN MAGIC MAPLE		
SG-2	SYNTHETIC GYM FLOORING	ROBBINS	PULASTIC SPORTS FLOORING / INTENSE / COLOR: TBD		WEIGHT ROOM. SEE ALTERNATES.
WOC-1	WALK OFF CARPET	SHAW CONTRACT	ALL ACCESS - PORTAL TILE - EBONY 34500	24" X 24"	ASHLAR INSTALLATION
MISC.					
TP-1	TOILET PARTITIONS	SCRANTON PRODUCTS	HINY HIDERS / BLACK		
TRR-1	TREADS AND RISERS	TARKETT	JOHNSONITE ANGLE FIT RUBBER STAIR TREAD WITH INTEGRATED RISER / COLOR: TBD	-	
WALLS					
LP-1	LINER PANEL	AMERICAN BUILDINGS	POLAR WHITE		SEE ALTERNATES G-5 AND G-6
PES-1	POLYETHYLENE SHEET	PEMB MANUFACTURER	WHITE		
PNT-1	FIELD COLOR	SHERWIN WILLIAMS	GOSSAMER VEIL SW9165	-	
PNT-2	ACCENT COLOR	SHERWIN WILLIAMS	ROBUST ORANGE SW6628	-	
PNT-3	CEILING PAINT	SHERWIN WILLIAMS	SW 7007 CEILING WHITE	-	
PNT-4	DOOR FRAME PAINT	SHERWIN WILLIAMS	IRON ORE SW7069	-	
PNT-5	RR WALL PAINT	SHERWIN WILLIAMS	GOSSAMER VEIL SW9165	-	EPOXY PAINT AT RESTROOM, LOCKER ROOMS AND SHOWER ROOM WALLS.



29 ALTERNATE: WEIGHT ROOM FLOOR FINISH PLAN
SCALE | 1/8" = 1'-0"

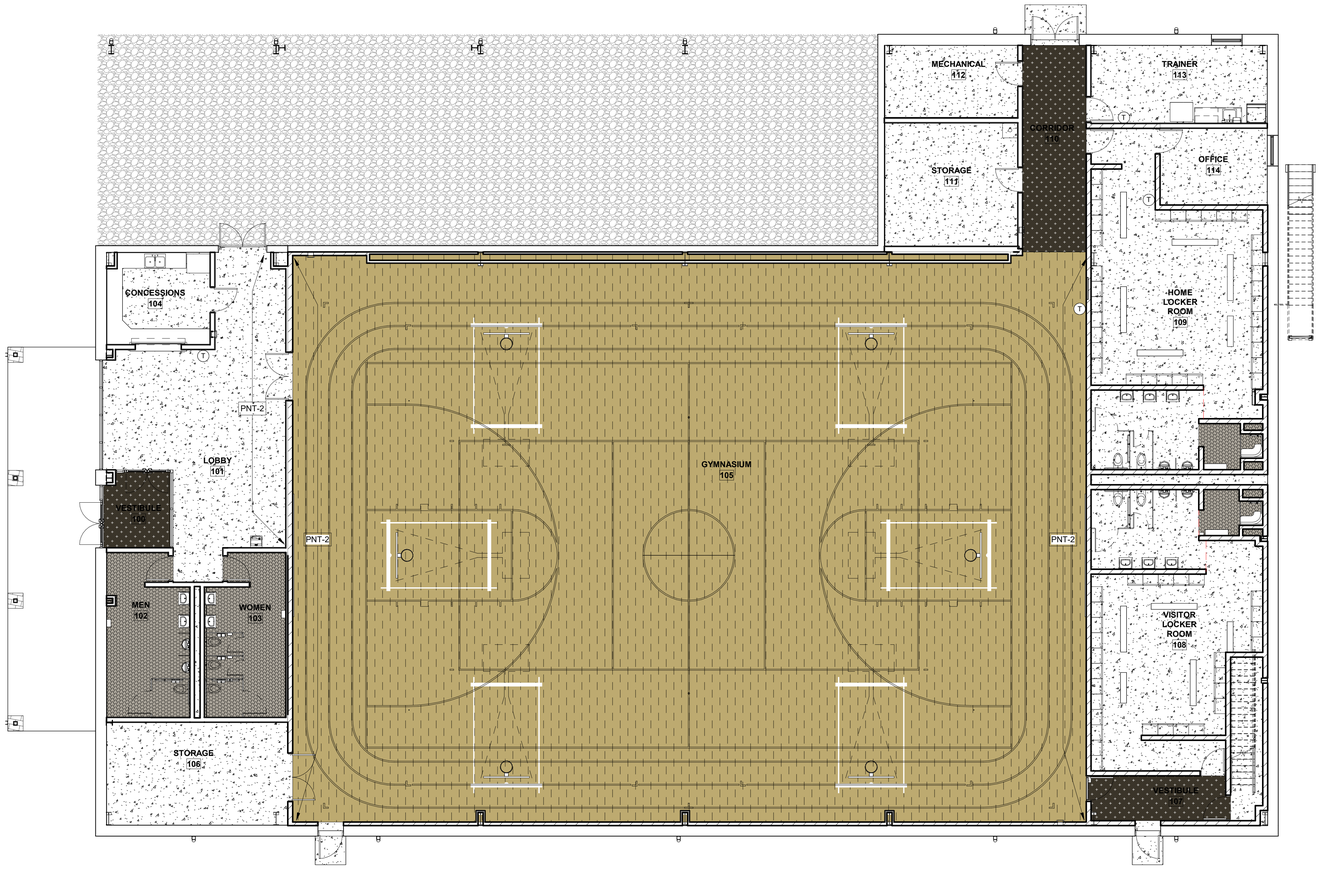
NORTH



19 EPOXY COVE BASE DETAILS
SCALE | 3" = 1'-0"

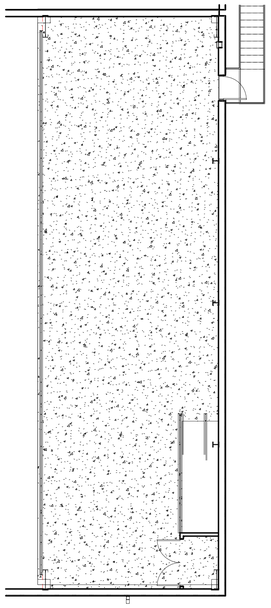
ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FINISHES: FLOOR FINISH	BASE FINISH	WALL FINISH: NORTH	EAST	SOUTH	WEST	CEILING FINISH	COMMENTS
100	VESTIBULE	WOC-1	RB-1	--	PNT-1	PNT-1	PNT-1	ACT-2	
101	LOBBY	CO-1	RB-1	PNT-2	PNT-1	PNT-1	PNT-1	ACT-2	SEE ALTERNATE G-4 FOR LVT FLOORING
102	MEN	EPX-1	EB-1	PNT-5	PNT-5	PNT-5	PNT-5	ACT-2	
103	WOMEN	EPX-1	EB-1	PNT-5	PNT-5	PNT-5	PNT-5	ACT-2	
104	CONCESSIONS	CO-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	ACT-2	
105	GYMNASIUM	SG-1	RB-1	PNT-2 / PNT-1 / PES-1	PNT-2 - PES-1	PNT-2 / PES-1	PNT-2 / PES-1	EXP-1	SEE ALTERNATE G-5 FOR LINER PANEL.
106	STORAGE	CO-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	EXP-1	
107	VESTIBULE	WOC-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	EXP-1	PAINT EXPOSED STEEL FRAME PNT-2
108	VISITOR LOCKER ROOM	CO-1	RB-1	PNT-1 / PNT-5	PNT-1 / PNT-5	PNT-1 / PNT-5	PNT-1 / PNT-5	EXP-1	SEE ALTERNATE G-2 FOR EPOXY FLAKE FLOORING
108A	VISITOR RESTROOM	CO-1	RB-1	PNT-5	PNT-5	PNT-5	PNT-5	EXP-1	SEE ALTERNATE G-2 FOR EPOXY FLAKE FLOORING
108B	SHOWER	EPX-1	EB-1	PNT-5	PNT-5	PNT-5	PNT-5	GYP-1	
109	HOME LOCKER ROOM	CO-1	RB-1	PNT-1 / PNT-5	PNT-1 / PNT-5	PNT-1 / PNT-5	PNT-1 / PNT-5	EXP-1	SEE ALTERNATE G-2 FOR EPOXY FLAKE FLOORING
109A	HOME RESTROOM	CO-1	RB-1	PNT-5	PNT-5	PNT-5	PNT-5	EXP-1	SEE ALTERNATE G-2 FOR EPOXY FLAKE FLOORING
109B	SHOWER	EPX-1	EB-1	PNT-5	PNT-5	PNT-5	PNT-5	GYP-1	
110	CORRIDOR	WOC-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	ACT-2	
111	STORAGE	CO-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	EXP-1	
112	MECHANICAL	CO-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	EXP-1	
113	TRAINER	CO-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	ACT-2	
114	OFFICE	CO-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	ACT-2	
120	WEIGHT ROOM (ALTERNATE)	SG-2	RB-1	PES-1	PES-1	PES-1	PES-1	EXP-1/PES-1	SEE ALTERNATE G-1 FOR WEIGHT ROOM SEE ALTERNATE G-6 FOR METAL LINER PANELS
STR1	STAIR	CO-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	EXP-1	
200	MEZZANINE	CO-1	RB-1	PES-1	PES-1	NA	PES-1	EXP-1	SEE ALTERNATE G-6 FOR LINER PANEL.
201	STORAGE	CO-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	EXP-1	



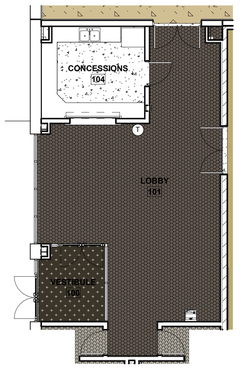
26 FIRST FLOOR FINISH PLAN
SCALE | 1/8" = 1'-0"

NORTH



13 MEZZANINE FINISH PLAN
SCALE | 1/8" = 1'-0"

NORTH



11 ALTERNATE: LOBBY ROOM FLOOR FINISH PLAN
SCALE | 1/8" = 1'-0"

NORTH

GENERAL NOTES

A. SEE SHEET G-002 FOR PROJECT GENERAL REQUIREMENTS.

B. AT ALL AREAS INDICATED WITH EXPOSED CEILINGS, THE CONTRACTOR SHALL PAINT ALL STRUCTURE, DECKING, DUCTWORK, CONDUIT, AND OTHER NON-PREFINISHED ITEMS. COLOR SHALL BE AS SCHEDULED.

C. SEE FINISH PLANS AND ELEVATIONS FOR ALL SCHEDULED FINISHES INCLUDING WALL PAINT LOCATIONS AND COLORS. CONTRACTOR TO COORDINATE FINAL WALL COLORS SELECTION WITH ARCHITECT AND OWNER PRIOR TO APPLICATION.

D. CONTRACTOR TO APPLY TOPICAL MOISTURE MITIGATION SYSTEM BARRIER TO EXISTING FLOOR SURFACES PER SPECIFICATIONS/AS REQUIRED. IF MILESTONES / MOISTURE LEVELS ARE NOT MET, THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS RELATED TO MOISTURE MITIGATION WITHOUT DELAYING THE FLOORING INSTALLATION SCHEDULE.

E. COORDINATE FINAL CARPET PATTERN AND SELECTION WITH ARCHITECT.

F. SEE SPECIFICATIONS AND FINISH SCHEDULE FOR ADDITIONAL FINISH INFORMATION.

G. COORDINATE ALL FLOOR TRANSITION REQUIREMENTS.

H. SEE CEILING PLAN FOR ADDITIONAL FINISH INFORMATION.

I. WHERE FLOOR BOXES ARE INDICATED TO BE INSTALLED, THE CONTRACTOR SHALL INSTALL CARPET OR ADJACENT SPECIFIED FLOORING ON FLOOR OUTLET COVER. CONTRACTOR SHALL ALSO ABUT CARPET TO FIT TIGHTLY AROUND FLOOR OUTLET BOXES. TOP COVER AND TOP OF MAIN AREA OF CARPET SHALL BE FLUSH.

FLOOR FINISH LEGEND

- CO-1 | SEALED CONCRETE
- EPX-1 | EPOXY FLECK FLOORING
- LVT-1 | LUXURY VINYL TILE
- SG-1 | SYNTHETIC GYM FLOORING
- SG-2 | SYNTHETIC GYM FLOORING
- WOC-1 | WALK OFF CARPET

FINISH ALTERNATE DESCRIPTIONS:

ALTERNATE G-2: IN LIEU OF THE SEALED CONCRETE FLOOR FOR THE LOCKER ROOMS AND RESTROOMS, PROVIDE AND INSTALL EPOXY FLAKE FLOORING EXP-1 AND INTEGRAL BASE EB-1 (NOTE: EPOXY FLAKE FLOORING AND INTEGRAL BASE REMAIN BASE BID FOR THE SHOWER AREA).

ALTERNATE G-4: IN LIEU OF THE SEALED CONCRETE FLOOR FOR THE MAIN ENTRANCE LOBBY, PROVIDE AND INSTALL VINYL TILE PLANK LVT-1.

ALTERNATE G-5: PROVIDE AND INSTALL 24 GAUGE LINER PANEL IN THE GYMNASIUM AND MEZZANINE.

ALTERNATE G-6: PROVIDE AND INSTALL 24 GAUGE LINER PANEL IN THE ALTERNATE WEIGHT ROOM.

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FLOOR FINISH PLAN

A131

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GENERAL NOTES

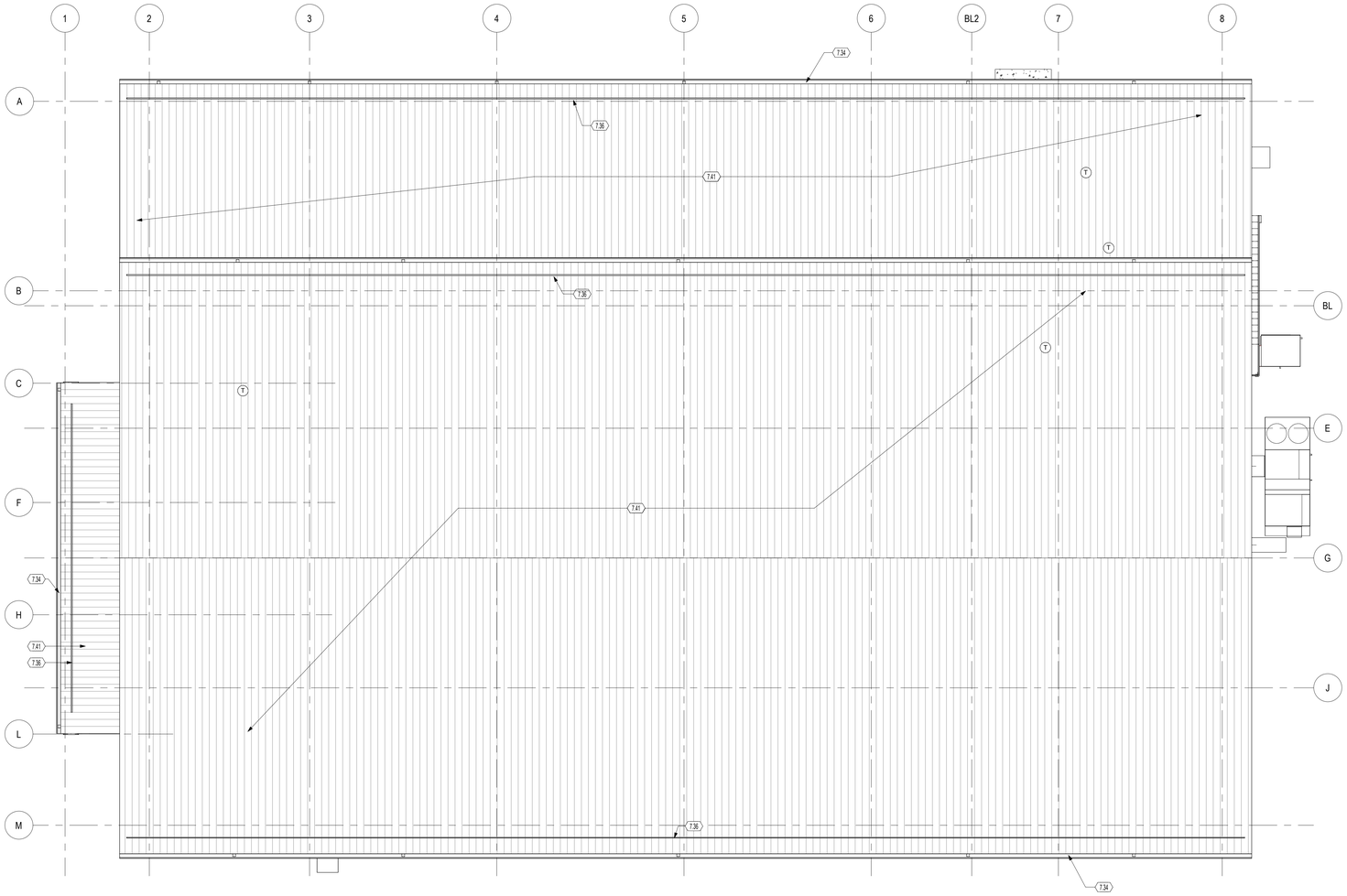
A. REFER TO PME DRAWINGS FOR ROOF MOUNTED EQUIPMENT.

B. COORDINATE ROOF PENETRATIONS WITH PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS.

C. ALL FLASHING BOOTS AND OTHER ROOFING ACCESSORIES REQUIRED FOR PENETRATION SHALL BE PROVIDED BY THE ROOFING CONTRACTOR.

KEYNOTES

7.34 8X8 GUTTER WITH BRACKETS. SEE DETAIL ON SHEET A502.
7.36 SNOW RAIL SYSTEM
7.41 STANDING SEAM METAL ROOFING BY PEMB MANUFACTURER.



26 ROOF PLAN
SCALE | 1/8" = 1'-0"

NORTH

7/13/2026 2:02:42 PM

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BRADFORD EVSD

ATHLETIC FACILITY

760 Railroad Ave, Bradford, OH 45308

PROJECT NO: **263401.00**
CHECKED BY: **MH**
DRAWN BY: **DG**
DATE: **07.06.2026**

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ROOF PLAN

A141

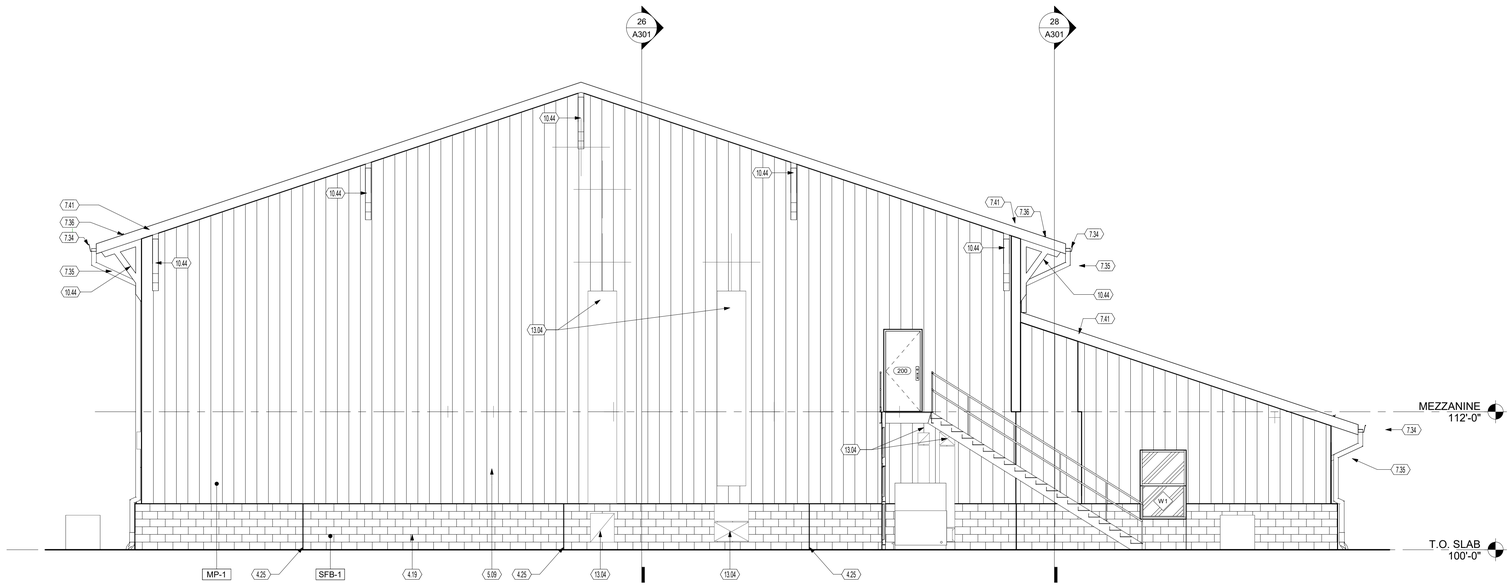
GENERAL NOTES - ELEVATION

A. SEE G-002 FOR PROJECT GENERAL REQUIREMENTS.

##.## KEYNOTES

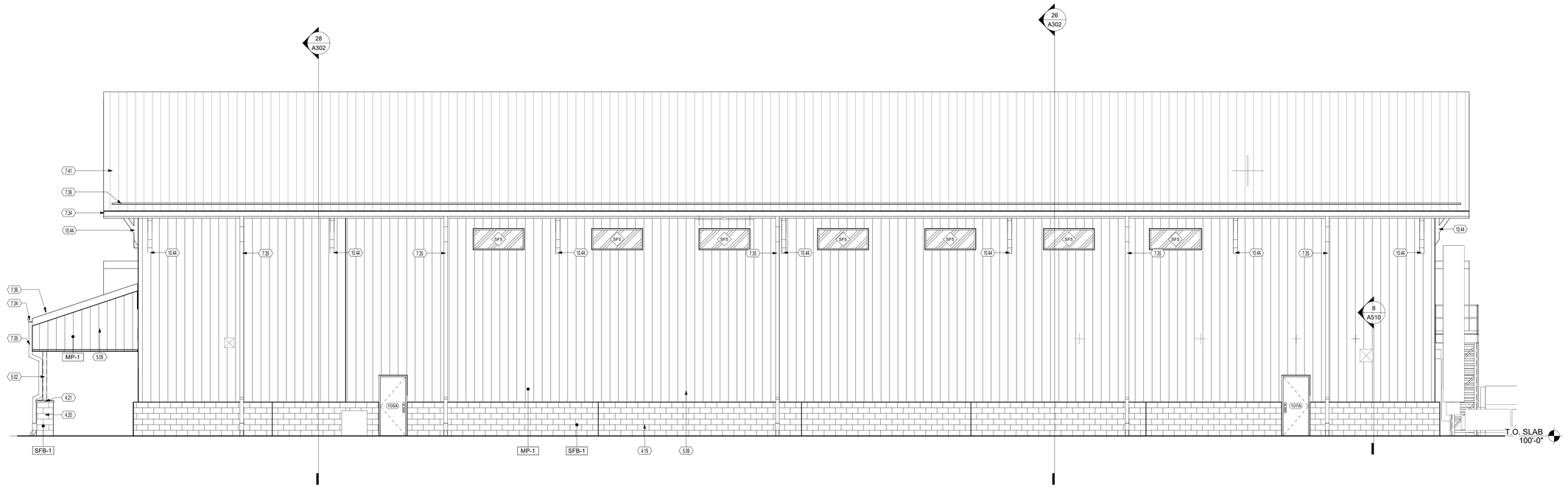
4.19	SPLIT FACE CMU WAINSCOT.
4.20	SPLIT FACE CMU BASE AT CANOPY COLUMNS.
4.21	LIMESTONE SILL AT CMU COLUMN BASE.
4.25	CMU CONTROL JOINT.
5.02	STEEL COLUMN. REFER TO STRUCTURAL DRAWINGS.
5.09	INSTALL 24 GAUGE LINER PANEL ABOVE WAINSCOT. LINER PANEL SHALL EXTEND TO BOTTOM OF ROOF STRUCTURE / ROOF GIRTS. (MP-1)
7.34	8X8 GUTTER WITH BRACKETS. SEE DETAIL ON SHEET A502.
7.35	5X5 DOWNSPOUT
7.36	SNOW RAIL SYSTEM
7.41	STANDING SEAM METAL ROOFING BY PEMB MANUFACTURER.
10.44	FUTURE DECORATIVE BRACKET PROVIDED AND INSTALLED BY OWNER. PROVIDE AND INSTALL 2X BLOCKING AT SOFFIT AND AT WALL FOR BRACKET INSTALLATION BY OTHERS. SEE DETAIL ON A501 FOR BLOCKING INSTRUCTIONS.
13.04	DUCT PENETRATION THROUGH WALL. PROVIDE FLASHING AND SEAL PENETRATION. DETAIL SHALL BE BY PEMB MANUFACTURER

EXTERIOR MATERIAL SCHEDULE				
KEY NAME	DESCRIPTION	MODEL NAME / COLOR / MODEL NUMBER	SIZE	COMMENTS
MP-1	METAL PANEL	MIDNIGHT BLACK	-	
MP-2	METAL PANEL	STORM GRAY	-	
MPR-1	METAL ROOFING	MIDNIGHT BLACK	-	
SFB-1	SPLIT FACE CMU	TO BE DETERMINED		



28 NORTH EXTERIOR ELEVATION

SCALE | 3/16" = 1'-0"



26 EAST EXTERIOR ELEVATION

SCALE | 3/16" = 1'-0"

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EXTERIOR ELEVATIONS

A201

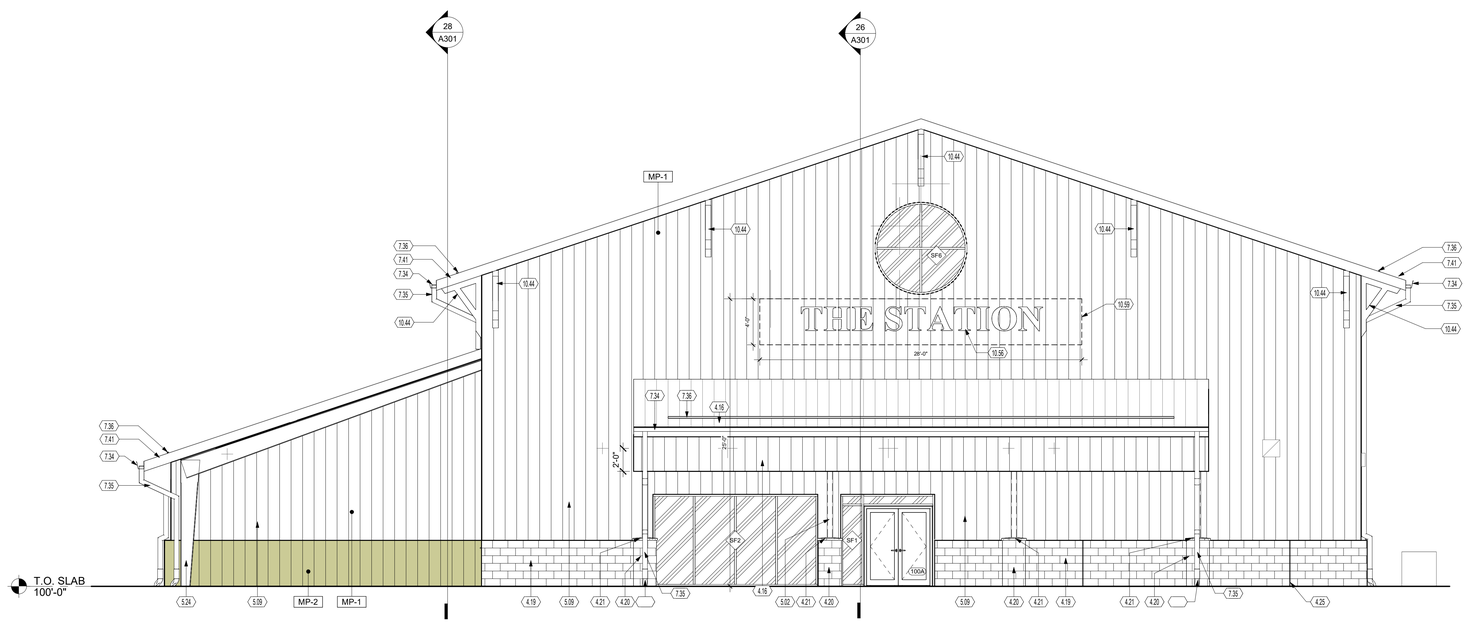
GENERAL NOTES - ELEVATION

A. SEE G-002 FOR PROJECT GENERAL REQUIREMENTS.

KEYNOTES

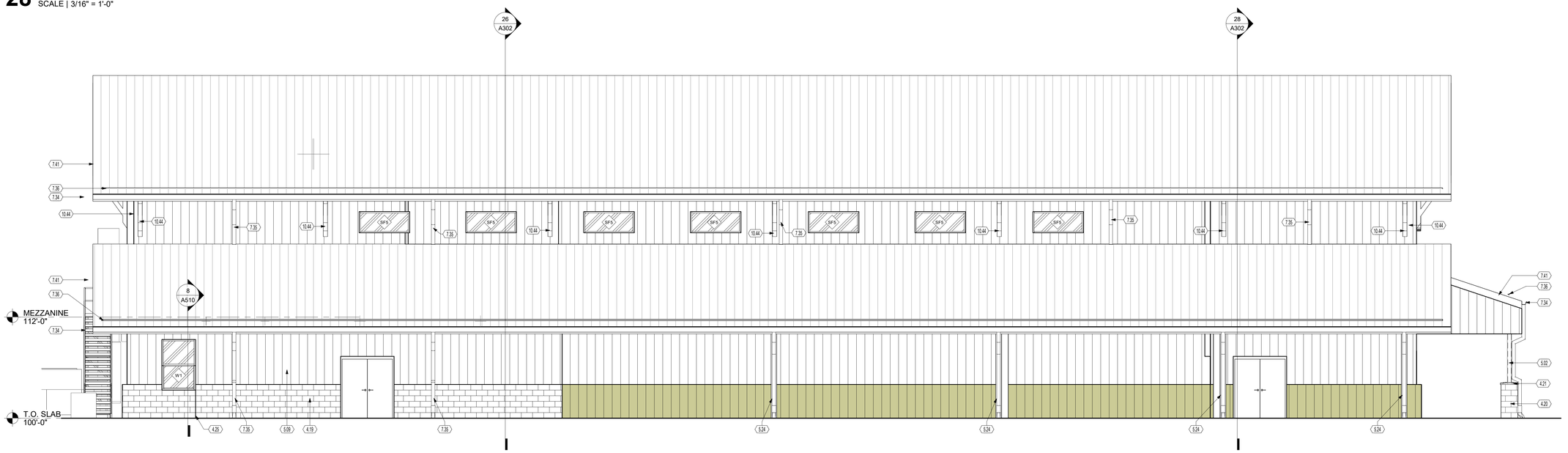
4.16	LIMESTONE ACCENT BAND. REFER TO DETAILS.
4.19	SPLIT FACE CMU WAINSCOT.
4.20	SPLIT FACE CMU BASE AT CANOPY COLUMNS.
4.21	LIMESTONE SILL AT CMU COLUMN BASE.
4.25	CMU CONTROL JOINT.
5.02	STEEL COLUMN. REFER TO STRUCTURAL DRAWINGS.
5.09	INSTALL 24 GAUGE LINER PANEL ABOVE WAINSCOT. LINER PANEL SHALL EXTEND TO BOTTOM OF ROOF STRUCTURE / ROOF GIRTS. (MP-1)
5.24	PEMB STRUCTURAL RIGID FRAME. PRIME AND PAINT PNT-2
7.34	8X8 GUTTER WITH BRACKETS. SEE DETAIL ON SHEET A502.
7.35	5X5 DOWNSPOUT
7.36	SNOW RAIL SYSTEM
7.41	STANDING SEAM METAL ROOFING BY PEMB MANUFACTURER.
10.44	FUTURE DECORATIVE BRACKET PROVIDED AND INSTALLED BY OWNER. PROVIDE AND INSTALL 2X BLOCKING AT SOFFIT AND AT WALL FOR BRACKET INSTALLATION BY OTHERS. SEE DETAIL ON A501 FOR BLOCKING INSTRUCTIONS.
10.56	ILLUMINATED LETTER SIGNAGE
10.59	INSTALL BLOCKING IN THIS AREA FOR FUTURE SIGNAGE BY OWNER.

EXTERIOR MATERIAL SCHEDULE				
KEY NAME	DESCRIPTION	MODEL NAME / COLOR / MODEL NUMBER	SIZE	COMMENTS
MP-1	METAL PANEL	MIDNIGHT BLACK	-	
MP-2	METAL PANEL	STORM GRAY	-	
MPR-1	METAL ROOFING	MIDNIGHT BLACK	-	
SFB-1	SPLIT FACE CMU	TO BE DETERMINED		



28 SOUTH EXTERIOR ELEVATION

SCALE | 3/16" = 1'-0"



26 WEST EXTERIOR ELEVATION

SCALE | 3/16" = 1'-0"

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EXTERIOR ELEVATIONS

A202

GENERAL NOTES - ELEVATION

A. SEE G-002 FOR PROJECT GENERAL REQUIREMENTS.

##.## KEYNOTES

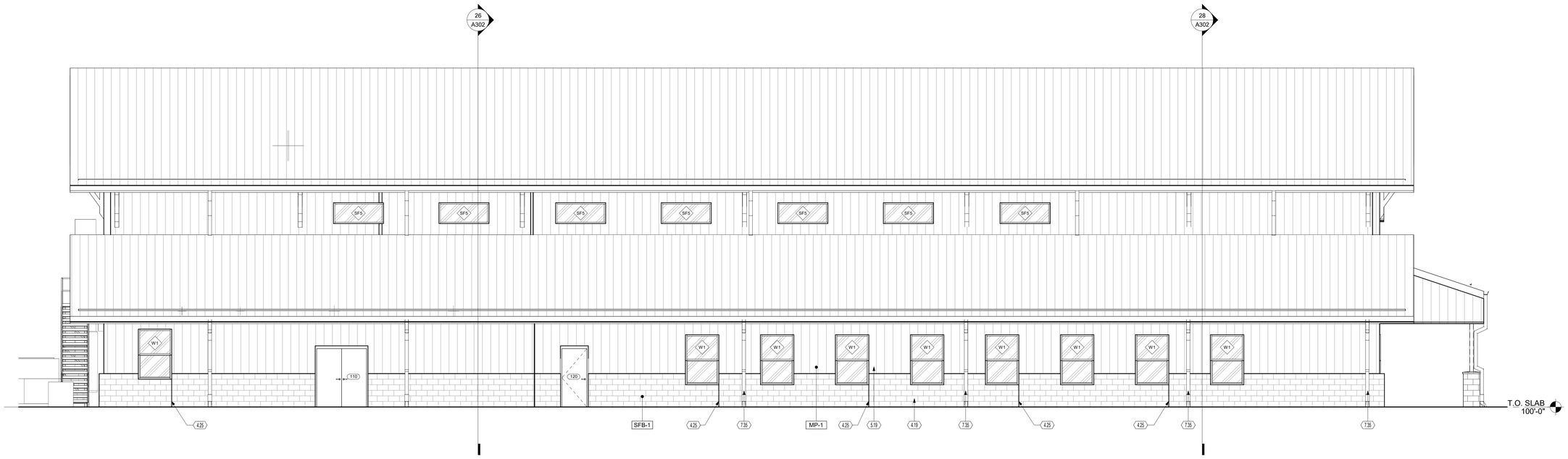
4.19	SPLIT FACE CMU WAINSCOT.
4.25	CMU CONTROL JOINT.
5.09	INSTALL 24 GAUGE LINER PANEL ABOVE WAINSCOT. LINER PANEL SHALL EXTEND TO BOTTOM OF ROOF STRUCTURE / ROOF GIRTS. (MP-1)
5.19	ALUMINUM HANDRAIL. REFER TO SPECIFICATIONS AND TO DETAILS.
7.34	8X8 GUTTER WITH BRACKETS. SEE DETAIL ON SHEET A502.
7.35	5X5 DOWNSPOUT
7.36	SNOW RAIL SYSTEM
7.41	STANDING SEAM METAL ROOFING BY PEMB MANUFACTURER.

EXTERIOR MATERIAL SCHEDULE				
KEY NAME	DESCRIPTION	MODEL NAME / COLOR / MODEL NUMBER	SIZE	COMMENTS
MP-1	METAL PANEL	MIDNIGHT BLACK	-	
MP-2	METAL PANEL	STORM GRAY	-	
MPR-1	METAL ROOFING	MIDNIGHT BLACK	-	
SFB-1	SPLIT FACE CMU	TO BE DETERMINED		



28 SOUTH ELEVATION - ALTERNATE

SCALE | 3/16" = 1'-0"



26 WEST ELEVATION - ALTERNATE

SCALE | 3/16" = 1'-0"

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BRADFORD RAILROADERS

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EXTERIOR ELEVATIONS - ALTERNATE

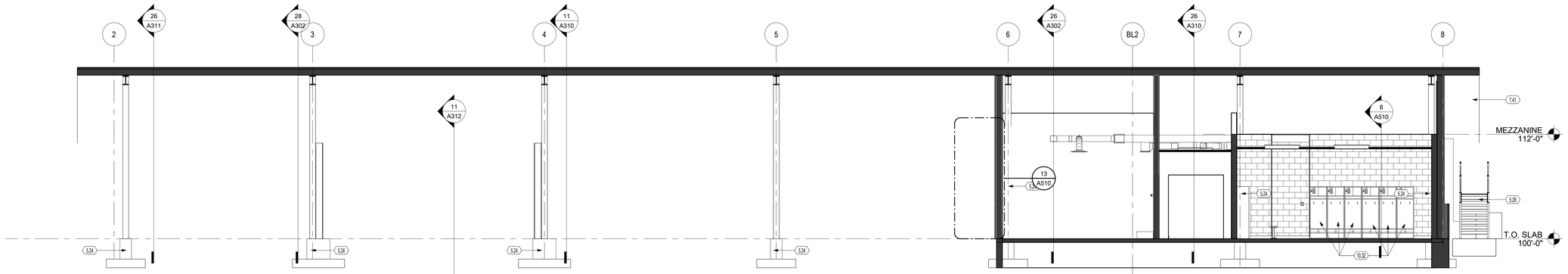
A203

GENERAL NOTES - ELEVATION

A. SEE G-002 FOR PROJECT GENERAL REQUIREMENTS.

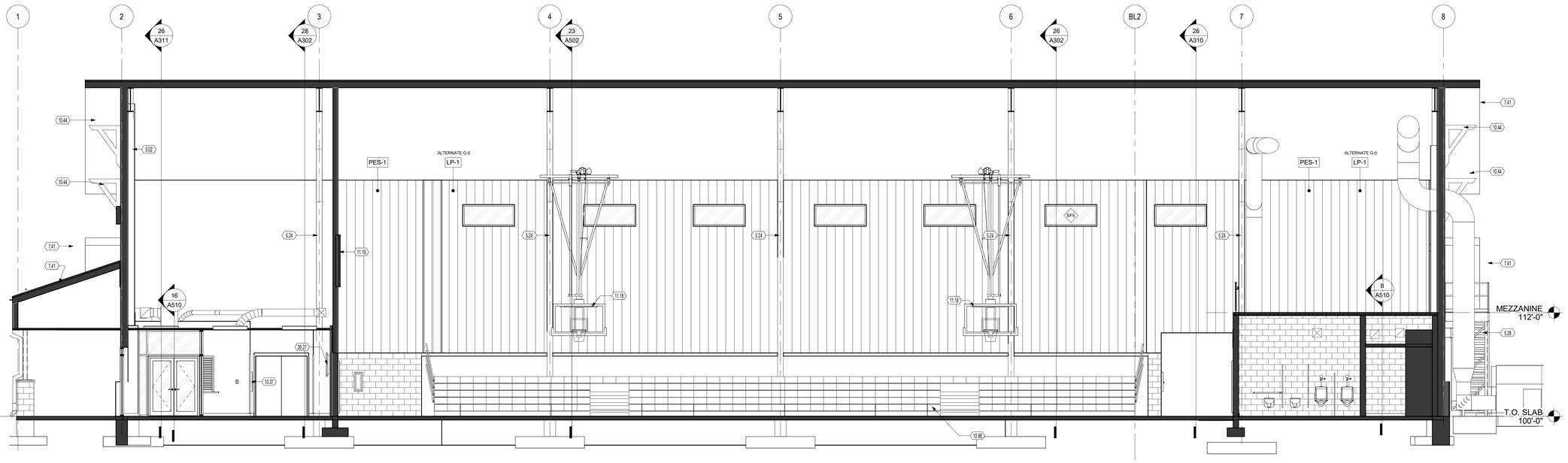
##.## KEYNOTES

5.02	STEEL COLUMN. REFER TO STRUCTURAL DRAWINGS.
5.24	PEMB STRUCTURAL RIGID FRAME. PRIME AND PAINT PNT-2
5.28	PRE-MANUFACTURED STEEL STAIR. STAIR BASED ON MODEL ST-53786 BY STAIR ZONE: (574)773-8025. WWW.STAIRZONE.COM. STAIR SHALL BE FACTORY FINISHED.
7.41	STANDING SEAM METAL ROOFING BY PEMB MANUFACTURER.
10.32	METAL LOCKERS. BASIS OF DESIGN: SALSBURY MODEL 70918 WITH PADLOCK HASP FOR BOTH UPPER AND LOWER LOCKER COMPARTMENTS AND NUMBER PLATE. COLOR TO BE DETERMINED. ANCHOR TO FLOOR WITH TWO 1/4" GALVANIZED EXPANSION ANCHORS WITH WASHERS PLACED NEAR THE REAR OF EACH LOCKER.
10.37	FIRE EXTINGUISHER IN SEMI-RECESSED CABINET.
10.44	FUTURE DECORATIVE BRACKET PROVIDED AND INSTALLED BY OWNER. PROVIDE AND INSTALL 2X BLOCKING AT SOFFIT AND AT WALL FOR BRACKET INSTALLATION BY OTHERS. SEE DETAIL ON A501 FOR BLOCKING INSTRUCTIONS.
10.58	FUTURE BLEACHERS PROVIDED BY OWNER. BLEACHERS NOT IN CONTRACT.
11.18	PROVIDE AND INSTALL FORWARD FOLDING MOTORIZED BACKSTOP. NOTE: BACKBOARD, RIM AND BACKBOARD PADDING ARE BEING PROVIDED BY THE OWNER. THESE SHALL BE INSTALLED BY THE BACKSTOP PROVIDER. THE BACKBOARD, RIM, AND PADDING ARE BY BSN SPORTS. ITEM NUMBER NSPHG, MODEL OFX4235E WITH BLACK PADDING.
11.19	LOCATION OF FUTURE WALL MOUNTED SCOREBOARD PROVIDED AND INSTALLED BY OWNER. PROVIDE BLOCKING AND POWER ROUGH-INS. BASED ON DAKTRONICS MODEL BB-2107 WITH PLAYER STAT PANELS MODEL SD-2102.
26.27	MONITOR BY OWNER, PROVIDE ELECTRICAL AND TECHNOLOGY ROUGH-INS AND SUPPORT BLOCKING. ROUGH-INS SHALL BE 7'-0" AFF TO CENTER.



28 BUILDING SECTION, NORTH-SOUTH

SCALE | 3/16" = 1'-0"



26 BUILDING SECTION, NORTH-SOUTH

SCALE | 3/16" = 1'-0"

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BRADFORD RAILROADERS

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BUILDING SECTIONS

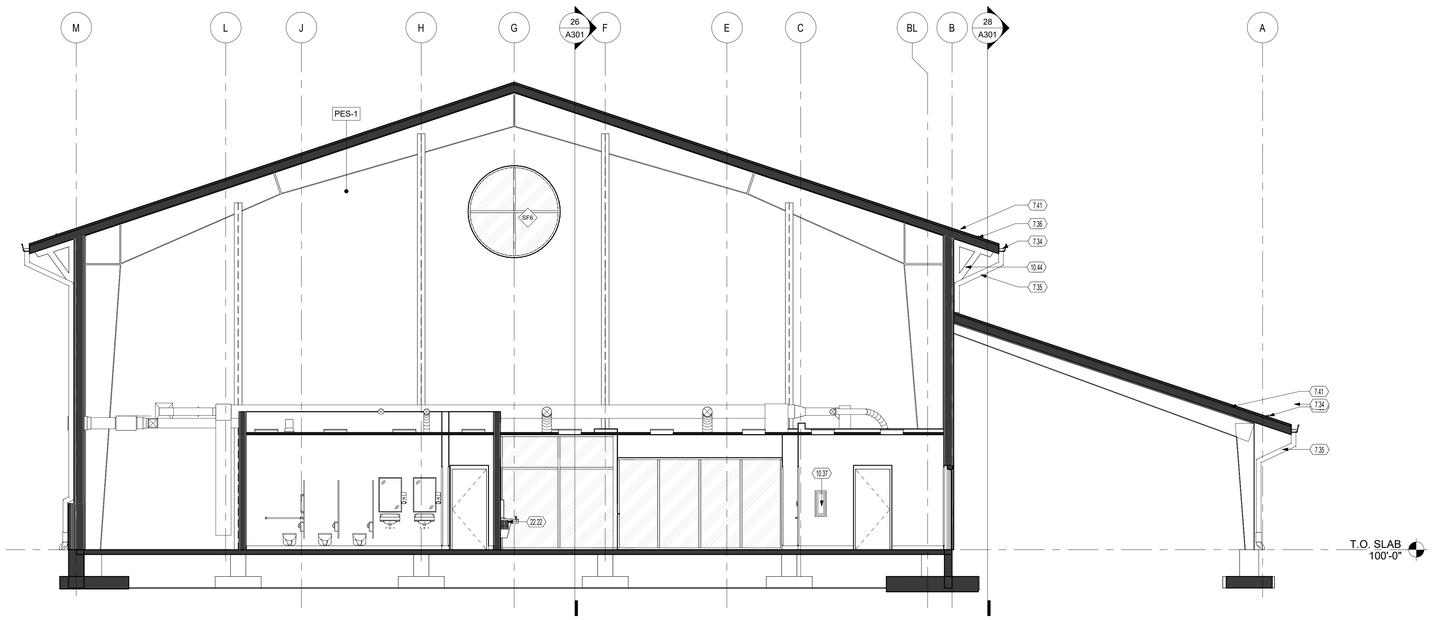
A301

GENERAL NOTES - ELEVATION

A. SEE G-002 FOR PROJECT GENERAL REQUIREMENTS.

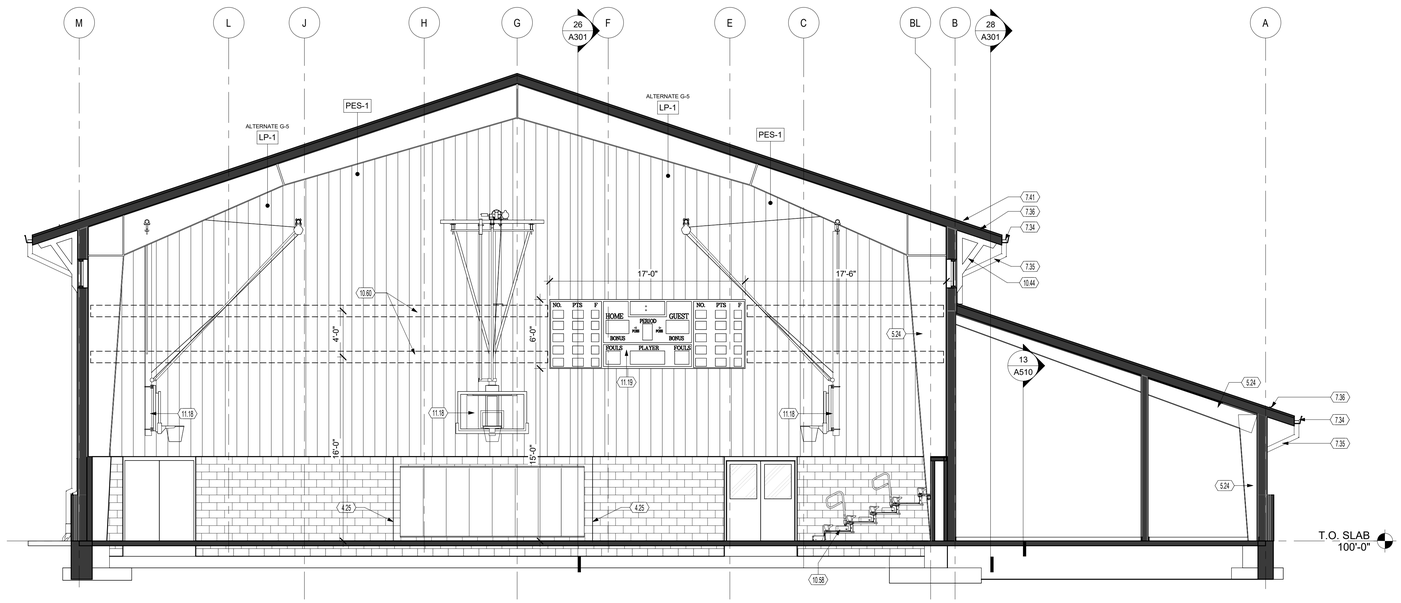
KEYNOTES

4.25	CMU CONTROL JOINT.
5.24	PEMB STRUCTURAL RIGID FRAME. PRIME AND PAINT PNT-2
7.34	8X8 GUTTER WITH BRACKETS. SEE DETAIL ON SHEET A502.
7.35	5X5 DOWNSPOUT
7.36	SNOW RAIL SYSTEM
7.41	STANDING SEAM METAL ROOFING BY PEMB MANUFACTURER.
10.37	FIRE EXTINGUISHER IN SEMI-RECESSED CABINET.
10.44	FUTURE DECORATIVE BRACKET PROVIDED AND INSTALLED BY OWNER. PROVIDE AND INSTALL 2X BLOCKING AT SOFFIT AND AT WALL FOR BRACKET INSTALLATION BY OTHERS. SEE DETAIL ON A501 FOR BLOCKING INSTRUCTIONS.
10.58	FUTURE BLEACHERS PROVIDED BY OWNER. BLEACHERS NOT IN CONTRACT.
10.60	INSTALL BLOCKING IN WALL AT THIS LOCATION FOR FUTURE ACOUSTICAL PANELS BY OWNER.
11.18	PROVIDE AND INSTALL FORWARD FOLDING MOTORIZED BACKSTOP. NOTE: BACKBOARD, RIM AND BACKBOARD PADDING ARE BEING PROVIDED BY THE OWNER. THESE SHALL BE INSTALLED BY THE BACKSTOP PROVIDER. THE BACKBOARD, RIM, AND PADDING ARE BY BSN SPORTS. ITEM NUMBER NSPHG, MODEL OFX4235E WITH BLACK PADDING.
11.19	LOCATION OF FUTURE WALL MOUNTED SCOREBOARD PROVIDED AND INSTALLED BY OWNER. PROVIDE BLOCKING AND POWER ROUGH-INS. BASED ON DAKTRONICS MODEL BB-2107 WITH PLAYER STAT PANELS MODEL SD-2102.
22.22	INSTALL OWNER PROVIDED DRINKING FOUNTAIN WITH BOTTLE FILLER AT THIS LOCATION.



28 BUILDING SECTION, EAST-WEST

SCALE | 3/16" = 1'-0"



26 BUILDING SECTION, EAST-WEST

SCALE | 3/16" = 1'-0"

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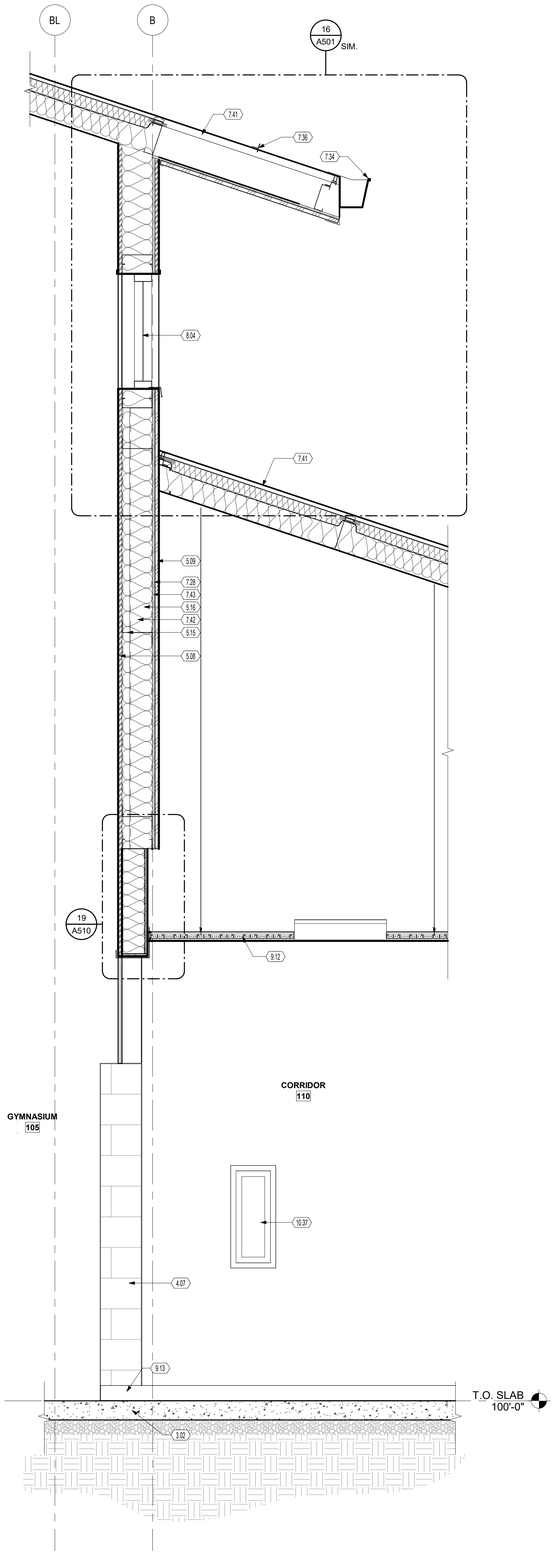
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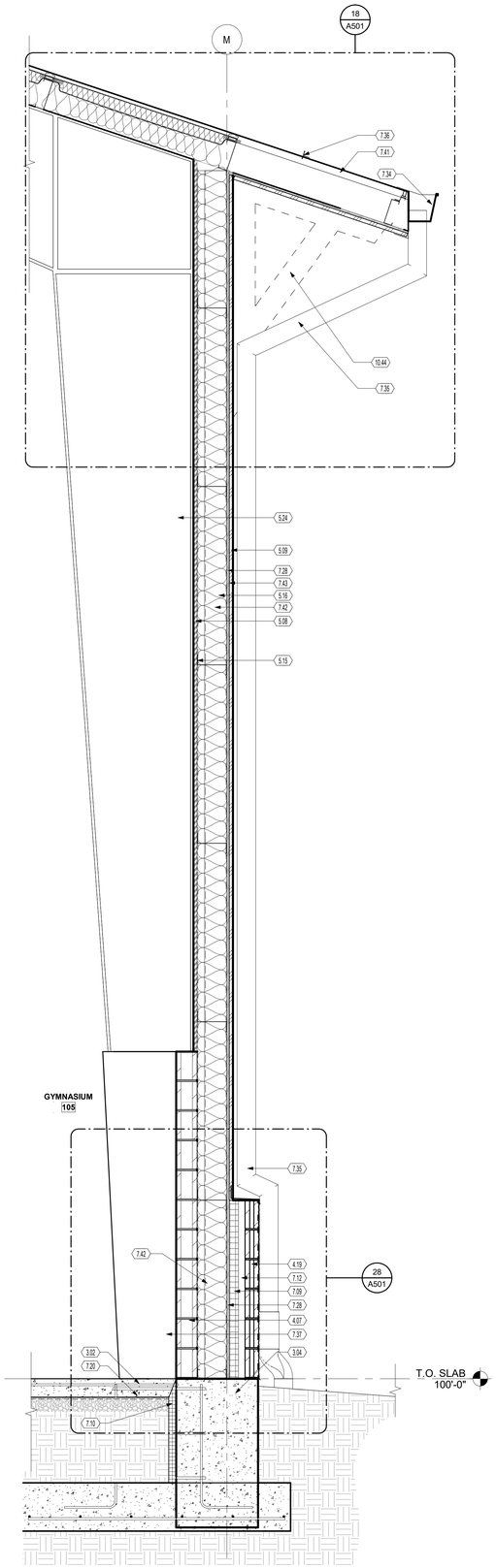
BUILDING SECTIONS

A302



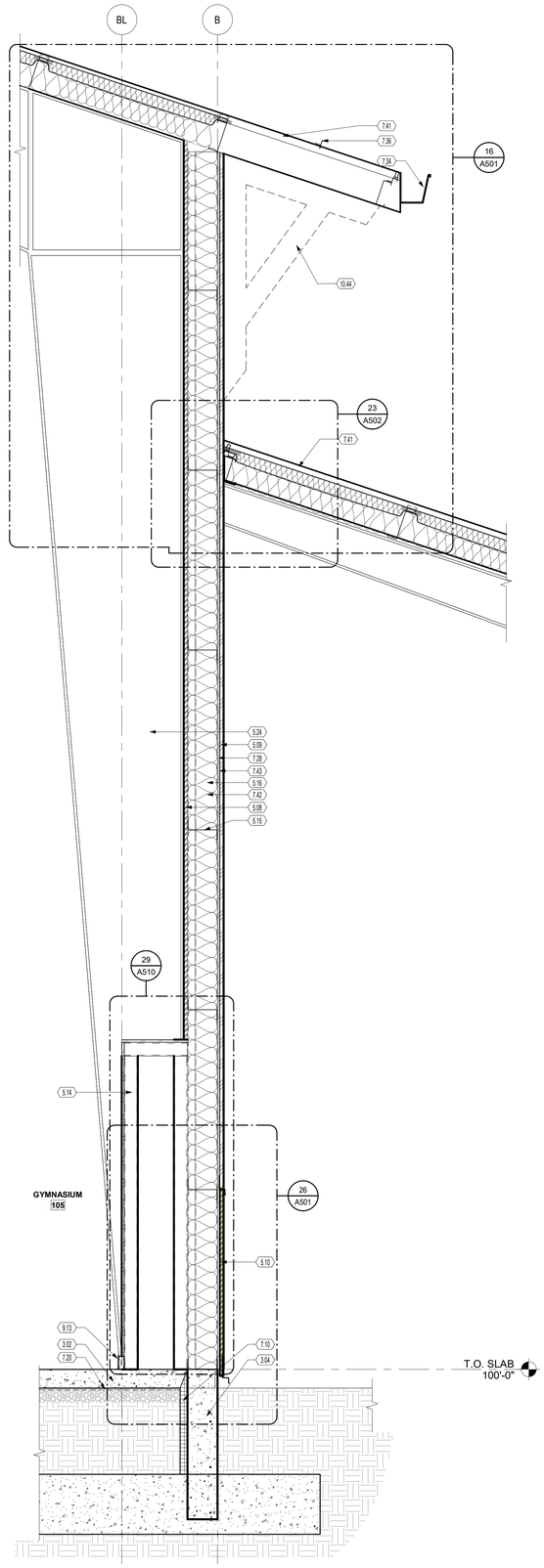
26 WALL SECTION

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



21 WALL SECTION

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



11 WALL SECTION

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

KEYNOTES

3.02	NEW SLAB ON GRADE. REFER TO STRUCTURAL DRAWINGS FOR REINFORCEMENT.
3.04	CONCRETE FOUNDATION WALL AND FOOTING - SEE STRUCTURAL DRAWINGS.
4.07	6" CMU WALL
4.19	SPLIT FACE CMU WAINSCOT.
5.08	INSTALL 24 GAUGE LINER PANEL ON ALL GYM WALLS ABOVE CMU WAINSCOT. LINER PANEL SHALL EXTEND TO BOTTOM OF ROOF STRUCTURE / ROOF GIRTS (MP-1)
5.09	INSTALL 24 GAUGE LINER PANEL ABOVE WAINSCOT. LINER PANEL SHALL EXTEND TO BOTTOM OF ROOF STRUCTURE / ROOF GIRTS. (MP-1)
5.10	INSTALL 24 GAUGE LINER PANEL WAINSCOT. LINER PANEL SHALL EXTEND UP TO 4'-0". (MP-2)
5.14	3 5/8" METAL STUDS @ 16" O.C. WITH 24 GAUGE LINEAR PANEL
5.15	8" GIRTS BY PEMB MANUFACTURER
5.16	6" METAL STUDS @ 24" O.C. INSTALLED BETWEEN GIRTS
5.24	PEMB STRUCTURAL RIGID FRAME. PRIME AND PAINT PNT-2
7.09	2 1/2" RIGID CAVITY INSULATION
7.10	2" RIGID PERIMETER INSULATION R-10
7.12	AIR GAP
7.20	15 MIL UNDERSLAB VAPOR BARRIER.
7.28	5/8" PLYWOOD SHEATHING.
7.34	8X8 GUTTER WITH BRACKETS. SEE DETAIL ON SHEET A502.
7.35	5X5 DOWNSPOUT
7.36	SNOW RAIL SYSTEM
7.37	PROVIDE AND INSTALL METAL STUD FURRING, 3/4" PLYWOOD AND WALL PADS AT EXPOSED COLUMN. PLYWOOD AND PANELING SHALL EXTEND TO 7'-4" ABOVE THE FINISHED FLOOR EVEN WITH THE TOP OF THE CMU WAINSCOT.
7.41	STANDING SEAM METAL ROOFING BY PEMB MANUFACTURER.
7.42	R-30 MINERAL WOOL INSULATION.
7.43	AIR BARRIER (TYVEK OR EQUAL)
8.04	PRE-FINISHED ALUMINUM STOREFRONT SYSTEM.
9.12	CEILING AS SCHEDULED.
9.13	RUBBER BASE.
10.37	FIRE EXTINGUISHER IN SEMI-RECESSED CABINET.
10.44	FUTURE DECORATIVE BRACKET PROVIDED AND INSTALLED BY OWNER. PROVIDE AND INSTALL 2X BLOCKING AT SOFFIT AND AT WALL FOR BRACKET INSTALLATION BY OTHERS. SEE DETAIL ON A501 FOR BLOCKING INSTRUCTIONS.

ROOF ASSEMBLY R-VALUES

INTERIOR AIR FILM: R-0.68
DOUBLE LAYER OF BATT INSULATION
1ST LAYER: R-25
2MD LAYER: R-8
1" THERMAL BLOCK SPACER
EXTERIOR METAL PANEL:R-0
EXTERIOR AIR FILM: R-0.17

TOTAL ROOF ASSEMBLY R VALUE = 33.7

WALL ASSEMBLY R-VALUES

INTERIOR AIR FILM: R-0.68
INTERIOR METAL APNEL: R-0
POLYETHYLENE VAPOR BARRIER: 0
BATT INSULATION: R-30
3/4" PLYWOOD SHEATHING: R-0.94
AIR BARRIER: 0
EXTERIOR METAL PANEL:R-0
EXTERIOR AIR FILM: R-0.17

TOTAL ROOF ASSEMBLY R VALUE = 31.79

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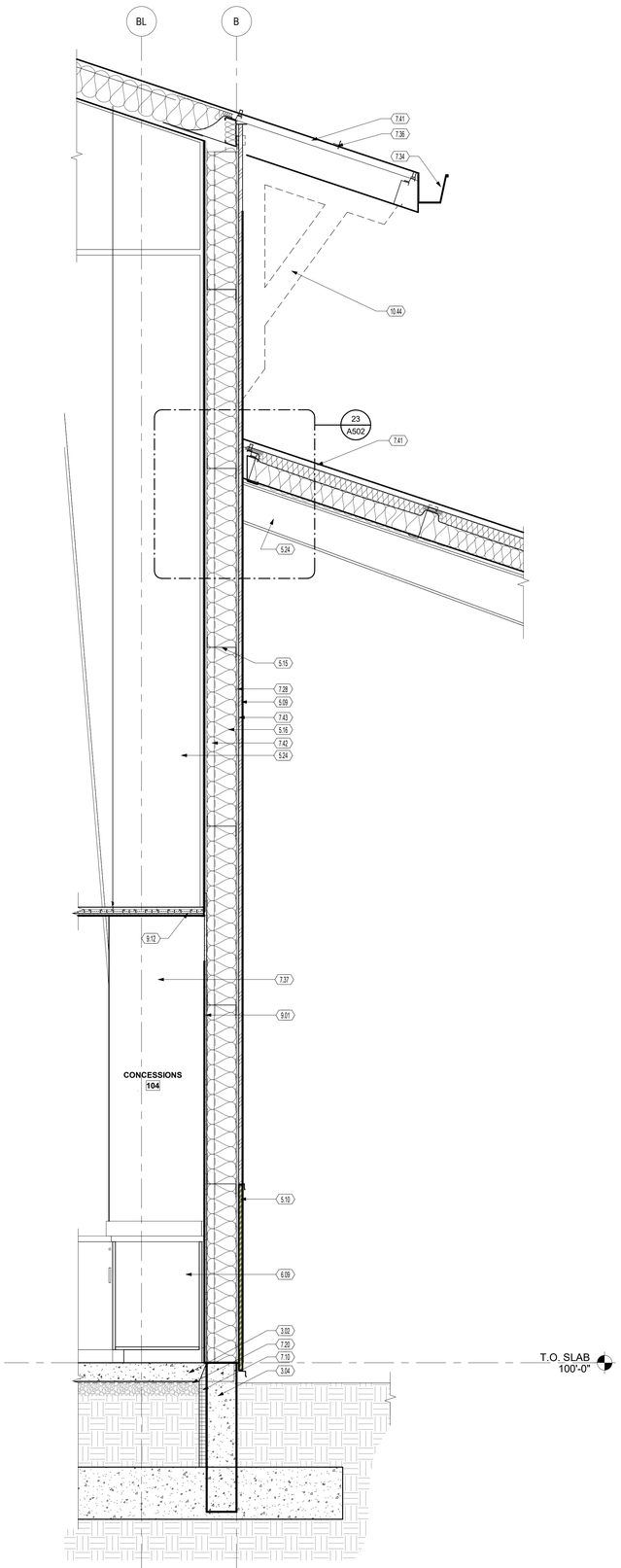
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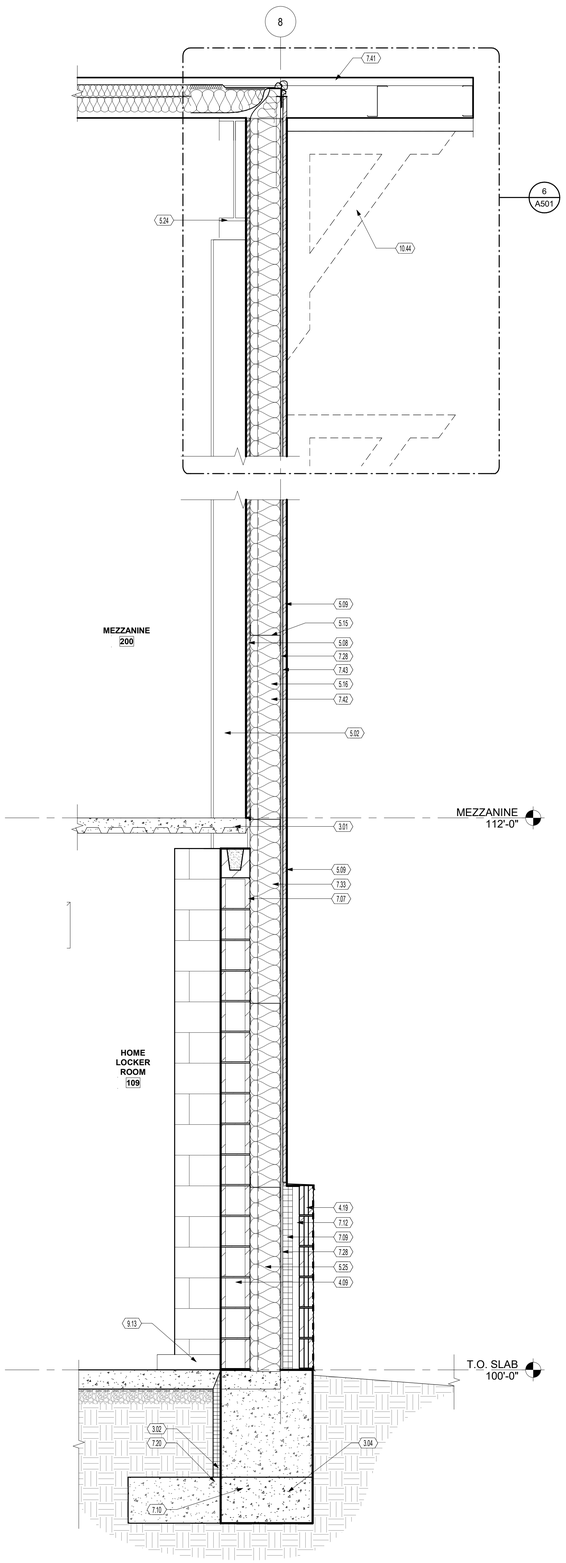
WALL SECTIONS

A310

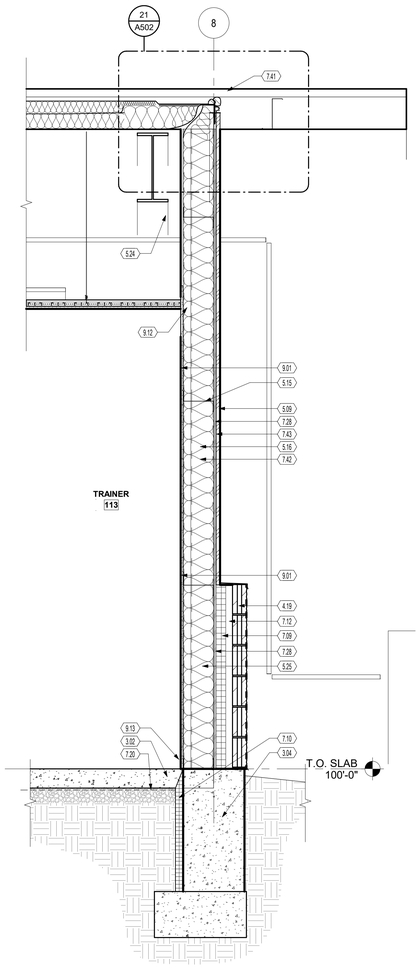
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26 WALL SECTION
SCALE | 3/4" = 1'-0"



16 WALL SECTION
SCALE | 3/4" = 1'-0"



6 WALL SECTION
SCALE | 3/4" = 1'-0"

KEYNOTES

3.01	NEW CONCRETE FLOOR SYSTEM. SEE STRUCTURAL DRAWINGS.
3.02	NEW SLAB ON GRADE. REFER TO STRUCTURAL DRAWINGS FOR REINFORCEMENT.
3.04	CONCRETE FOUNDATION WALL AND FOOTING - SEE STRUCTURAL DRAWINGS.
4.09	8" CMU WALL.
4.19	SPLIT FACE CMU WAINSCOT.
5.02	STEEL COLUMN. REFER TO STRUCTURAL DRAWINGS.
5.08	INSTALL 24 GAUGE LINER PANEL ON ALL GYM WALLS ABOVE CMU WAINSCOT. LINER PANEL SHALL EXTEND TO BOTTOM OF ROOF STRUCTURE / ROOF GIRTS. (MP-1)
5.09	INSTALL 24 GAUGE LINER PANEL ABOVE WAINSCOT. LINER PANEL SHALL EXTEND TO BOTTOM OF ROOF STRUCTURE / ROOF GIRTS. (MP-1)
5.10	INSTALL 24 GAUGE LINER PANEL WAINSCOT. LINER PANEL SHALL EXTEND UP TO 4'-0". (MP-2)
5.15	8" GIRTS BY PEMB MANUFACTURER
5.16	6" METAL STUDS @ 24" O.C. INSTALLED BETWEEN GIRTS
5.24	PEMB STRUCTURAL RIGID FRAME. PRIME AND PAINT PNT-2
5.25	8" Z-GIRT, TYP.
6.09	PLASTIC LAMINATE CABINETRY. REFER TO ELEVATIONS AND DETAILS.
7.07	6 MIL REINFORCED POLYETHYLENE VAPOR BARRIER. LAP EDGES 6" MINIMUM AND APPLY MANUFACTURER'S RECOMMENDED VAPOR TAPE TO SEAL EDGES.
7.09	2 1/2" RIGID CAVITY INSULATION
7.10	2" RIGID PERIMETER INSULATION R-10
7.12	AIR GAP
7.20	15 MIL UNDERSLAB VAPOR BARRIER.
7.28	5/8" PLYWOOD SHEATHING.
7.33	3" FOIL FACED R-11 BATT INSULATION OVER 8" FOIL FACED R-25 BATT INSULATION
7.34	8X8 GUTTER WITH BRACKETS. SEE DETAIL ON SHEET A502.
7.36	SNOW RAIL SYSTEM
7.37	PROVIDE AND INSTALL METAL STUD FURRING, 3/4" PLYWOOD AND WALL PADS AT EXPOSED COLUMN. PLYWOOD AND PANELING SHALL EXTEND TO 7'-4" ABOVE THE FINISHED FLOOR EVEN WITH THE TOP OF THE CMU WAINSCOT.
7.41	STANDING SEAM METAL ROOFING BY PEMB MANUFACTURER.
7.42	R-30 MINERAL WOOL INSULATION.
7.43	AIR BARRIER (TYVEK OR EQUAL)
9.01	5/8" TYPE "X" GWB PAINTED.
9.12	CEILING AS SCHEDULED.
9.13	RUBBER BASE.
10.44	FUTURE DECORATIVE BRACKET PROVIDED AND INSTALLED BY OWNER. PROVIDE AND INSTALL 2X BLOCKING AT SOFFIT AND AT WALL FOR BRACKET INSTALLATION BY OTHERS. SEE DETAIL ON A501 FOR BLOCKING INSTRUCTIONS.

ROOF ASSEMBLY R-VALUES

INTERIOR AIR FILM: R-0.68
DOUBLE LAYER OF BATT INSULATION
1ST LAYER: R-25
2MD LAYER: R-8
1" THERMAL BLOCK SPACER
EXTERIOR METAL PANEL:R-0
EXTERIOR AIR FILM: R-0.17

TOTAL ROOF ASSEMBLY R VALUE = 33.7

WALL ASSEMBLY R-VALUES

INTERIOR AIR FILM: R-0.68
INTERIOR METAL APNEL: R-0
POLYETHYLENE VAPOR BARRIER: 0
BATT INSULATION: R-30
3/4" PLYWOOD SHEATHING: R-0.94
AIR BARRIER: 0
EXTERIOR METAL PANEL:R-0
EXTERIOR AIR FILM: R-0.17

TOTAL ROOF ASSEMBLY R VALUE = 31.79

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13215
REGISTERED ARCHITECT

Mark C. Wiseman, License #13215
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REVISIONS :

Number	Description	Date

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ATHLETIC FACILITY

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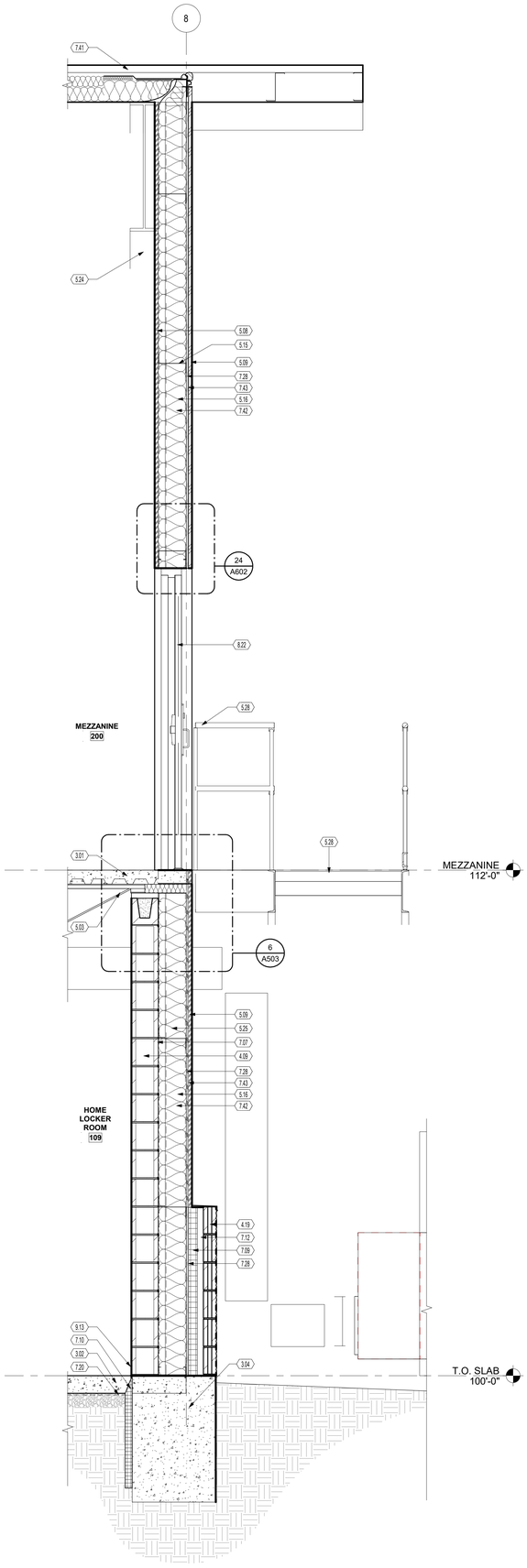
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WALL SECTIONS

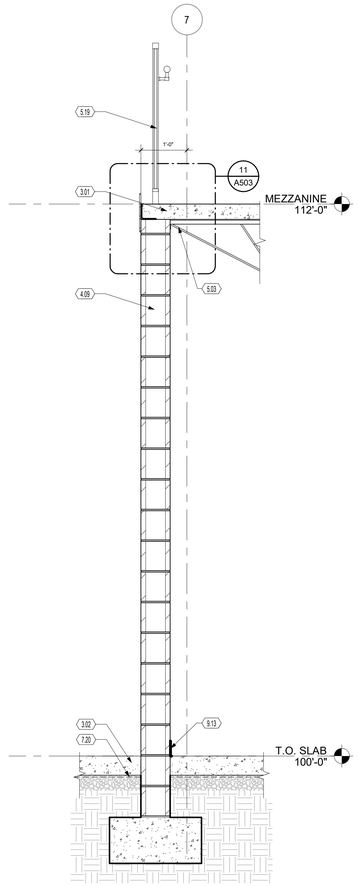
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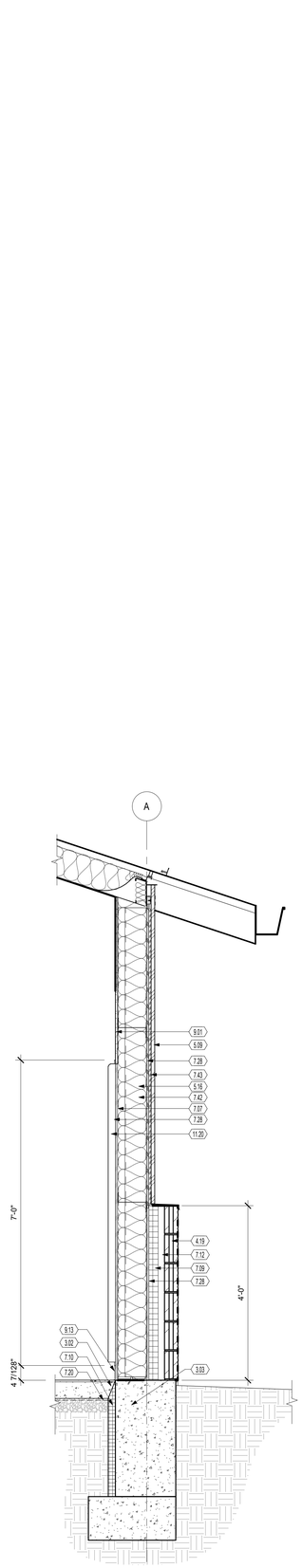
26 WALL SECTION

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



16 SECTION @ MEZZANINE RAILING

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



11 WEIGHT ROOM ALTERNATE SECTION

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

KEYNOTES

3.01	NEW CONCRETE FLOOR SYSTEM. SEE STRUCTURAL DRAWINGS.
3.02	NEW SLAB ON GRADE. REFER TO STRUCTURAL DRAWINGS FOR REINFORCEMENT.
3.03	POURED CONCRETE FOOTING. REFER TO STRUCTURAL DRAWINGS.
3.04	CONCRETE FOUNDATION WALL AND FOOTING - SEE STRUCTURAL DRAWINGS.
4.09	8" CMU WALL.
4.19	SPLIT FACE CMU WAINSCOT.
5.03	STEEL JOIST. REFER TO STRUCTURAL DRAWINGS.
5.08	INSTALL 24 GAUGE LINER PANEL ON ALL GYM WALLS ABOVE CMU WAINSCOT. LINER PANEL SHALL EXTEND TO BOTTOM OF ROOF STRUCTURE / ROOF GIRTS. (MP-1)
5.09	INSTALL 24 GAUGE LINER PANEL ABOVE WAINSCOT. LINER PANEL SHALL EXTEND TO BOTTOM OF ROOF STRUCTURE / ROOF GIRTS. (MP-1)
5.15	8" GIRTS BY PEMB MANUFACTURER
5.16	6" METAL STUDS @ 24" O.C. INSTALLED BETWEEN GIRTS
5.19	ALUMINUM HANDRAIL. REFER TO SPECIFICATIONS AND TO DETAILS.
5.24	PEMB STRUCTURAL RIGID FRAME. PRIME AND PAINT PNT-2
5.25	8" Z-GIRT, TYP.
5.28	PRE-MANUFACTURED STEEL STAIR. STAIR BASED ON MODEL ST-53786 BY STAIR ZONE : (574)773-8025. WWW.STAIRZONE.COM. STAIR SHALL BE FACTORY FINISHED.
7.07	6 MIL REINFORCED POLYETHYLENE VAPOR BARRIER. LAP EDGES 6" MINIMUM AND APPLY MANUFACTURER'S RECOMMENDED VAPOR TAPE TO SEAL EDGES.
7.09	2 1/2" RIGID CAVITY INSULATION
7.10	2" RIGID PERIMETER INSULATION R-10
7.12	AIR GAP
7.20	15 MIL UNDERSLAB VAPOR BARRIER.
7.28	5/8" PLYWOOD SHEATHING.
7.41	STANDING SEAM METAL ROOFING BY PEMB MANUFACTURER.
7.42	R-30 MINERAL WOOL INSULATION.
7.43	AIR BARRIER (TYVEK OR EQUAL)
8.22	HOLLOW METAL EXTERIOR DOOR
9.01	5/8" TYPE "X" GWB PAINTED.
9.13	RUBBER BASE.
11.20	WALL MOUNTED GYM PADS - ALTERNATE

<u>ROOF ASSEMBLY R-VALUES</u>

INTERIOR AIR FILM: R-0.68
DOUBLE LAYER OF BATT INSULATION
1ST LAYER: R-25
2MD LAYER: R-8
1" THERMAL BLOCK SPACER
EXTERIOR METAL PANEL:R-0
EXTERIOR AIR FILM: R-0.17

TOTAL ROOF ASSEMBLY R VALUE = 33.7

<u>WALL ASSEMBLY R-VALUES</u>

INTERIOR AIR FILM: R-0.68
INTERIOR METAL APNEL: R-0
POLYETHYLENE VAPOR BARRIER: 0
BATT INSULATION: R-30
3/4" PLYWOOD SHEATHING: R-0.94
AIR BARRIER: 0
EXTERIOR METAL PANEL:R-0
EXTERIOR AIR FILM: R-0.17

TOTAL ROOF ASSEMBLY R VALUE = 31.79

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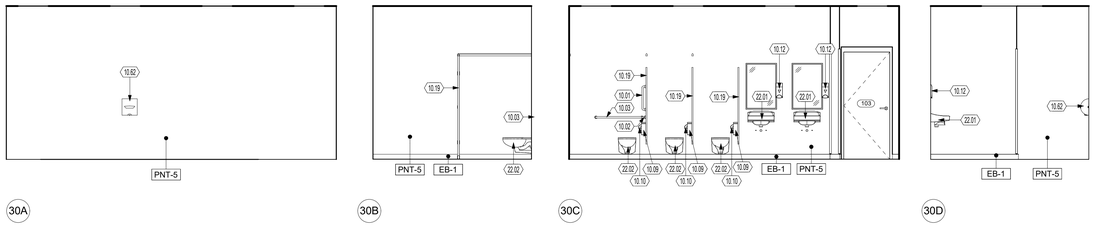
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WALL SECTIONS

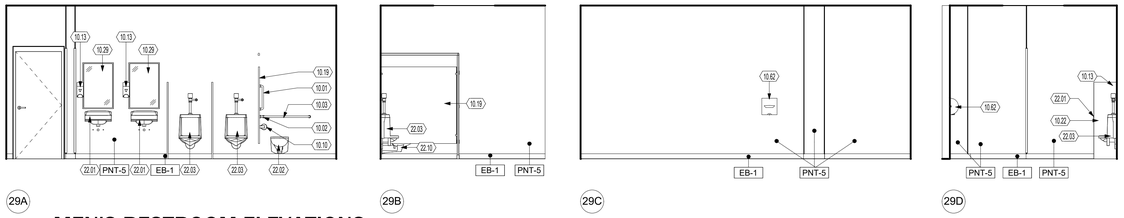
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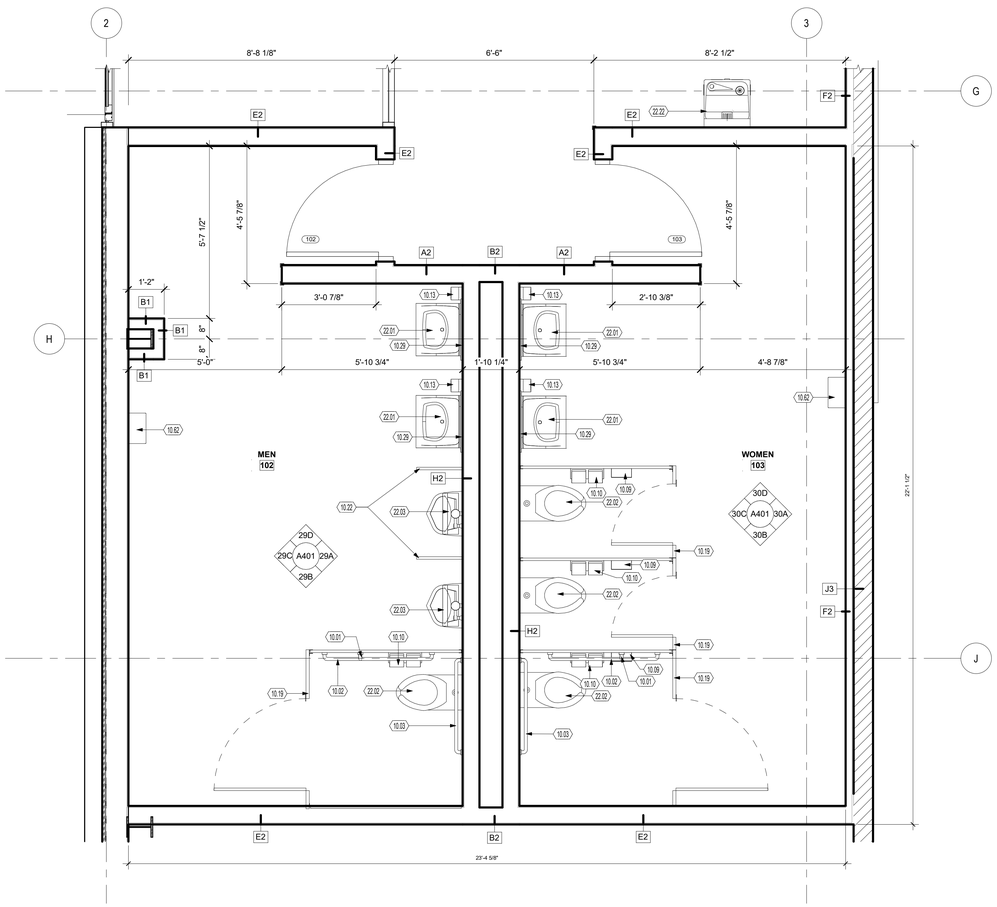
30A 30B 30C 30D

30 WOMEN'S RESTROOM ELEVATIONS
SCALE | 1/4" = 1'=0"



29A 29B 29C 29D

29 MEN'S RESTROOM ELEVATIONS
SCALE | 1/4" = 1'=0"



26 RESTROOM ENLARGED PLAN
SCALE | 1/2" = 1'-0"

NORTH

RR ACCESSORY SCHEDULE

Keynote	Type	Type Comments
10.01	18" Vertical Grab Bar	39" A.F.F. TO CENTER LINE.
10.02	42" Grab Bar	39" A.F.F. TO CENTER LINE.
10.03	36" Grab Bar	39" A.F.F. TO CENTER LINE.
10.04	Baby Changing Station	
10.06	Electric Hand Dryer	42" MAX A.F.F. TO BOTTOM OF DRYER.
10.08	Paper Towel Dispenser	40" MAX A.F.F. TO BOTTOM OF DISPENSER OPENING. PROVIDED BY OWNER. INSTALLED BY CONTRACTOR.
10.10	Toilet Tissue Dispenser	PROVIDED BY OWNER. INSTALLED BY CONTRACTOR.
10.13	Soap Dispenser	40" MAX A.F.F. TO BOTTOM OF DISPENSER OPENING. PROVIDED BY OWNER. INSTALLED BY CONTRACTOR.
10.22	Urinal Screen	FLOOR MOUNTED.
10.29	Mirror	
10.61	Towel Pin	42" MAX A.F.F. TO CENTER OF UNIT.

GENERAL NOTES - RESTROOM
SCALE | 1/8" = 1'-0"

A. SEE G-002 FOR TYPICAL FIXTURE AND ACCESSORY MOUNTING HEIGHTS AND DIMENSIONS.

B. SEE PME PLANS FOR FIXTURE TYPES AND ADDITIONAL INFORMATION.

C. SEE FINISH PLANS FOR ALL SCHEDULED FINISHES

(##.##) KEYNOTES

10.01 18" VERTICAL GRAB BAR.
10.02 42" HORIZONTAL GRAB BAR.
10.03 36" HORIZONTAL GRAB BAR.
10.09 SANITARY NAPKIN DISPOSAL PROVIDED BY OWNER. INSTALLED BY CONTRACTOR.
10.10 TOILET TISSUE DISPENSER PROVIDED BY OWNER. INSTALLED BY CONTRACTOR.
10.12 TOUCH FREE SOAP DISPENSER.
10.13 LIQUID SOAP DISPENSER PROVIDED BY OWNER. INSTALLED BY CONTRACTOR.
10.19 FLOOR MOUNTED TOILET PARTITIONS
10.22 URINAL SCREEN.
10.29 WALL MOUNTED FRAMELESS MIRROR
10.62 ELECTRIC HAND DRYER. PROVIDED BY OWNER, INSTALLED BY CONTRACTOR.
22.01 SINK. SEE PLUMBING DRAWINGS. (INSULATE PIPING BELOW).
22.02 TOILET. SEE PLUMBING DRAWINGS.
22.03 URINAL. SEE PLUMBING DRAWINGS.
22.10 TOILET, SEE PLUMBING DRAWINGS
22.22 INSTALL OWNER PROVIDED DRINKING FOUNTAIN WITH BOTTLE FILLER AT THIS LOCATION.

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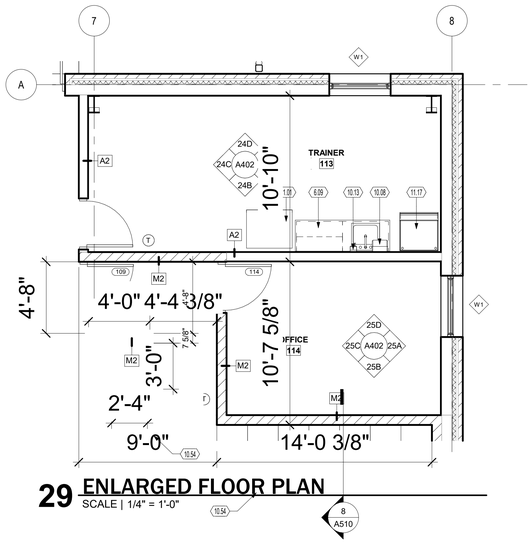
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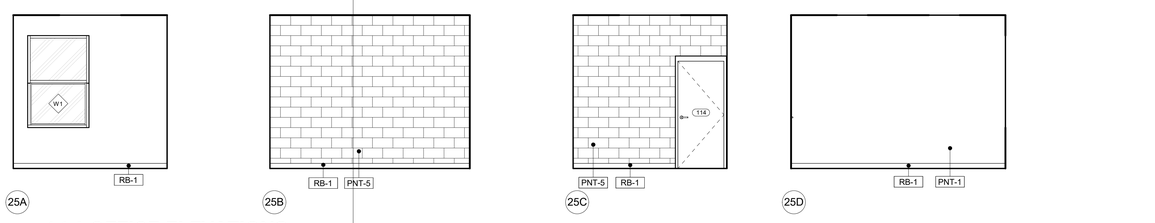
RESTROOM PLANS AND ELEVATIONS

A401

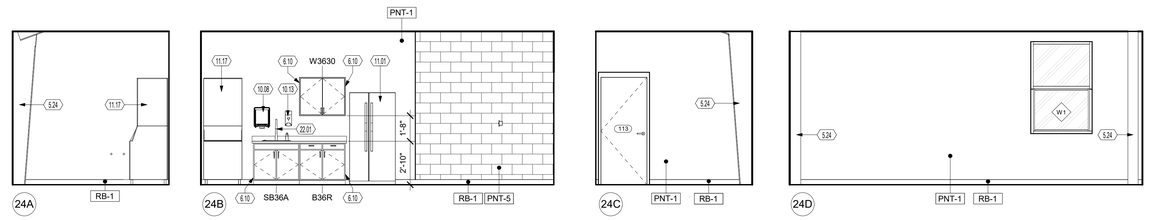
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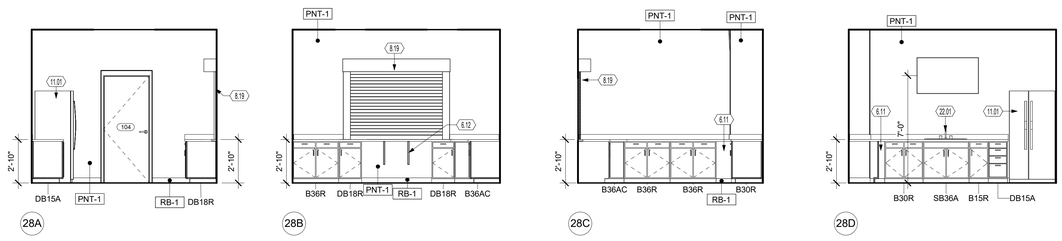
29 ENLARGED FLOOR PLAN
SCALE | 1/4" = 1'-0"



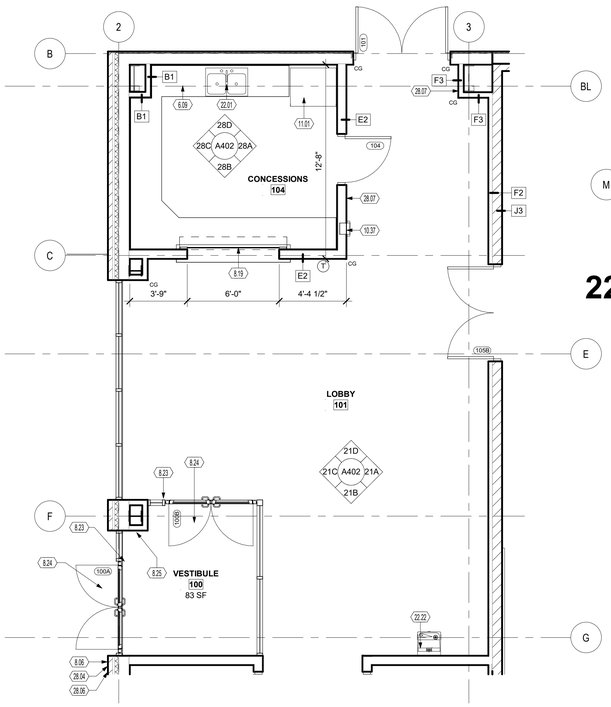
25 114 OFFICE ELEVATIONS
SCALE | 1/4" = 1'=0"



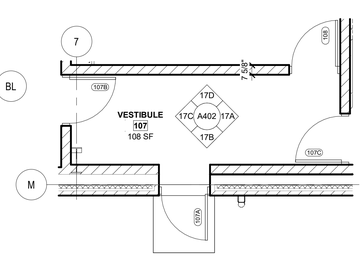
24 113 TRAINER ROOM ELEVATIONS
SCALE | 1/4" = 1'=0"



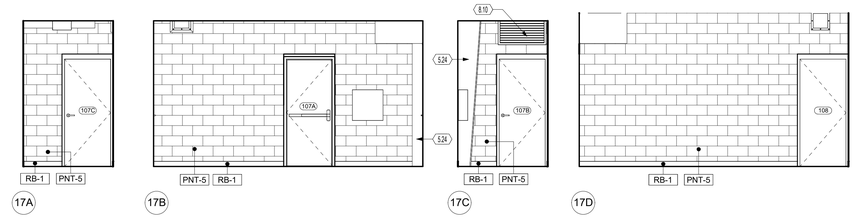
28 104 CONCESSIONS ELEVATIONS
SCALE | 1/4" = 1'=0"



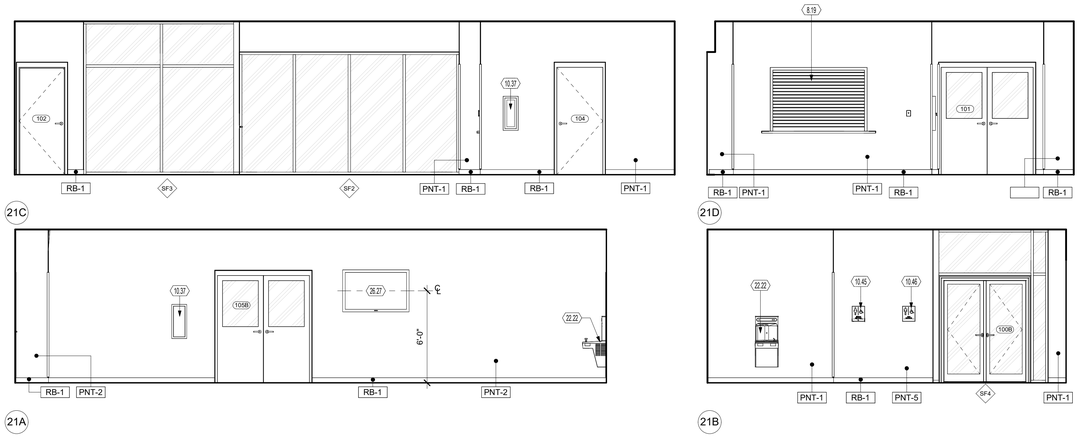
26 ENLARGED FLOOR PLAN 100,101, 104
SCALE | 1/4" = 1'-0"



22 ENLARGED FLOOR PLAN 107
SCALE | 1/4" = 1'-0"



17 107 VISITOR LOCKER ROOM VESTIBULE ELEVATIONS
SCALE | 1/4" = 1'=0"



21 101 LOBBY ELEVATIONS
SCALE | 1/4" = 1'=0"

NORTH

7/13/2026 2:03:02 PM

GENERAL NOTES - ELEVATIONS

A. SEE G-002 FOR TYPICAL FIXTURE AND ACCESSORY MOUNTING HEIGHTS AND DIMENSIONS.

B. SEE FINISH PLANS FOR ALL SCHEDULED FINISHES. CONTRACTOR TO COORDINATE FINAL WALL COLORS SELECTION WITH ARCHITECT AND OWNER PRIOR TO APPLICATION.

C. PRIOR TO GYPSUM BOARD INSTALL ALL EXPOSED PENETRATIONS SHALL BE REVIEWED BY OWNER/ARCHITECT.

D. PRIOR TO GYPSUM BOARD INSTALLATION AND ELECTRICAL ROUGH-IN INSPECTION, GENERAL CONTRACTORS, ELECTRICAL/DATA CONTRACTORS, AND ARCHITECT SHALL REVIEW IN-PLACE LOCATIONS OF ALL SWITCH BOXES, RECEPTACLE BOXES, FIRE ALARM BOXES, ETC. FINAL LOCATIONS MAY BE ADJUSTED AT THIS TIME TO ALIGN OR COORDINATE WITH DESIGN INTENT.

E. CONTRACTOR IS RESPONSIBLE FOR COORDINATING LOCATIONS OF ELECTRICAL, PLUMBING AND MECHANICAL DEVICES WITH THE ARCHITECTURAL ITEMS. ELECTRICAL PLUMBING AND MECHANICAL DEVICES ARE TYPICALLY SHOWN SCHEMATICALLY ON THE PME DRAWINGS AND NOT INTENDED TO REPRESENT THEIR SPECIFIC LOCATION. REVIEW ARCHITECTURAL DRAWINGS FOR WALL MOUNTED EQUIPMENT OR FURNISHINGS AND ADJUST LOCATION OF PME DEVICES AS REQUIRED.

CASEWORK KEY

WALL CABINETS

W # # X
- MODIFIER
- CABINET WIDTH (INCHES)
- CABINET HEIGHT (INCHES)
- CABINET TYPE

BASE CABINETS

B # X
- MODIFIER
- CABINET WIDTH (INCHES)
- CABINET TYPE

CABINET TYPE
- W - WALL CABINET
- B - BASE CABINET
- TC - TALL CABINET
- DB - DRAWER BASE
- SB - SINK BASE
- MC - MICROWAVE CABINET
- CH - TALL TEACHER CABINET
- C - STUDENT CUBBIES

MODIFIER
- A - ADA HEIGHTS
- D - WITH DRAWER
- L - LOCKABLE
- X - DATA CABINET
- R - ADA HEIGHT WITH DRAWER
- C - CORNER UNIT
- N - ADA HEIGHT CORNER UNIT
- S - DESK HEIGHT CORNER UNIT

KEYNOTES

5.24	PEMB STRUCTURAL RIGID FRAME. PRIME AND PAINT PNT-2
6.09	PLASTIC LAMINATE CABINETRY. REFER TO ELEVATIONS AND DETAILS.
6.10	PROVIDE FINISHED END PANEL AT EXPOSED CABINET END.
6.11	INSTALL FILLER PANEL AT BASE CABINETS TO COVER VOID WHERE THE COLUMN COVER OCCURS.
6.12	COUNTER SUPPORT BRACKETS: RAKKS EHR-1818 WITH MIL FINISH.
8.06	LOCATION OF ADA PUSH BUTTON ACTUATOR. INSTALL IN CMU TO 38" ABOVE FINISHED FLOOR TO THE CENTER OF THE ACTUATOR.
8.10	36" X 24" LOUVER
8.19	COILING OVERHEAD COUNTER DOOR.
8.23	INSTALL JAMB MOUNTED ADA ACTUATOR AT THIS LOCATION 42" AFF.
8.24	THIS DOOR LEAF EQUIPPED WITH ADA OPERATOR AND IS THE ACTIVE LEAF.
8.25	LOCATION OF ADA PUSH BUTTON ACTUATOR. INSTALL AT 42" ABOVE FINISH FLOOR TO CENTER OF ACTUATOR.
10.08	PAPER TOWEL DISPENSER PROVIDED BY OWNER. INSTALLED BY CONTRACTOR.
10.13	LIQUID SOAP DISPENSER PROVIDED BY OWNER. INSTALLED BY CONTRACTOR.
10.37	FIRE EXTINGUISHER IN SEMI-RECESSED CABINET.
10.45	INTERIOR SIGNAGE FOR WOMEN'S ROOM.
10.46	INTERIOR SIGNAGE FOR MEN'S ROOM.
10.54	6FT BUILT-IN BENCH
11.01	REFRIGERATOR BY OTHERS. SEE ELECTRICAL AND PLUMBING DRAWINGS FOR OTHER REQUIREMENTS
11.17	ICE MAKER BY OTHERS. SEE ELECTRICAL AND PLUMBING DRAWINGS FOR OTHER REQUIREMENTS
22.01	SINK. SEE PLUMBING DRAWINGS. (INSULATE PIPING BELOW).
22.22	INSTALL OWNER PROVIDED DRINKING FOUNTAIN WITH BOTTLE FILLER AT THIS LOCATION
26.27	MONITOR BY OWNER, PROVIDE ELECTRICAL AND TECHNOLOGY ROUGH-INS AND SUPPORT BLOCKING. ROUGH-INS SHALL BE 7'-0" AFF TO CENTER.
28.04	ROUGH-IN FOR CARD READER. INSTALLED IN CMU AT 38" AFF TO THE CENTER OF THE CARD READER.
28.06	ROUGH-IN FOR VIDEO CALL STATION. CALL STATION PROVIDED AND INSTALLED BY OWNER. INSTALLED IN CMU AT 38" AFF TO THE CENTER OF THE CALL STATION.
28.07	CARD READER ROUGH-IN AT 42" AFF TO CENTER OF ROUGH-IN.

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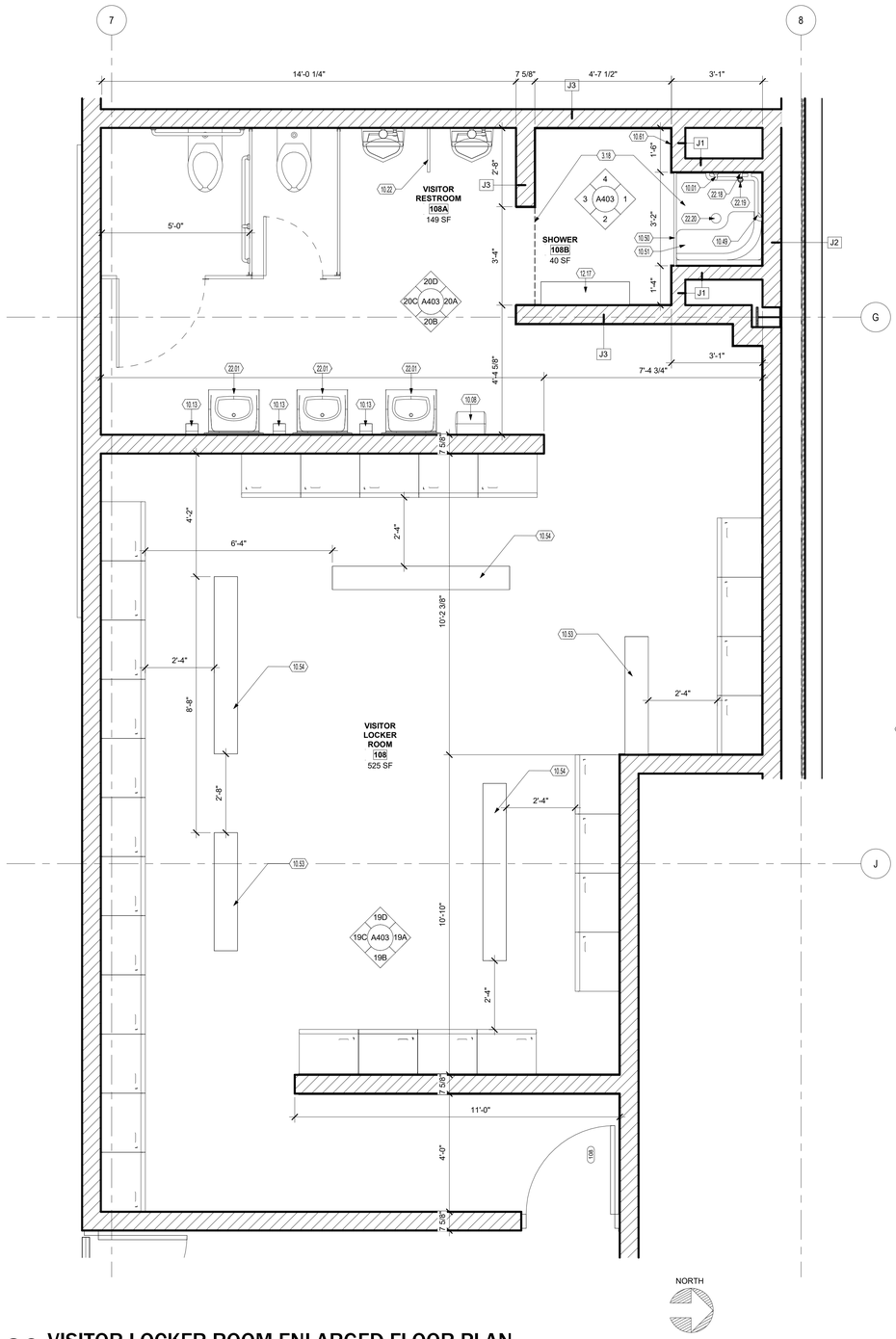
BRADFORD RAILROADERS

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DRAWN BY: DG
DATE: 07.06.2026

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ENLARGED PLANS AND ELEVATIONS

A402

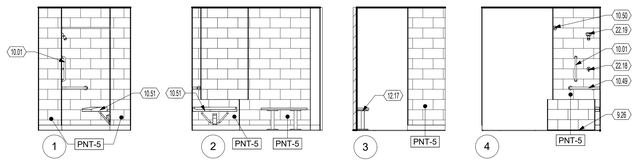


26 VISITOR LOCKER ROOM ENLARGED FLOOR PLAN

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

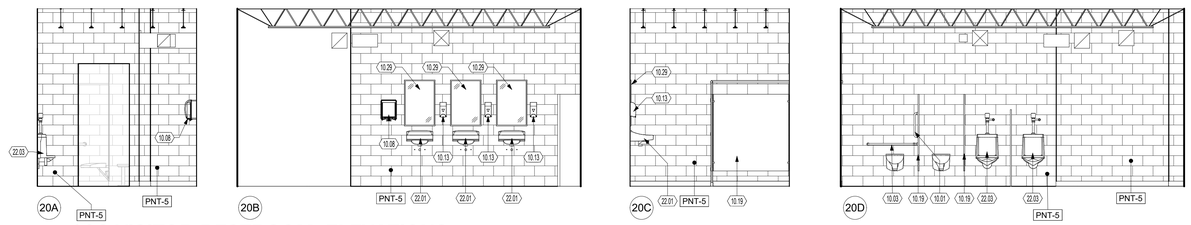
RR ACCESSORY SCHEDULE

Keynote	Type	Type Comments
10.01	18" Vertical Grab Bar	39" A.F.F. TO CENTER LINE.
10.02	42" Grab Bar	39" A.F.F. TO CENTER LINE.
10.03	36" Grab Bar	39" A.F.F. TO CENTER LINE.
10.04	Baby Changing Station	
10.06	Electric Hand Dryer	42" MAX A.F.F. TO BOTTOM OF DRYER.
10.08	Paper Towel Dispenser	40" MAX A.F.F. TO BOTTOM OF DISPENSER OPENING. PROVIDED BY OWNER. INSTALLED BY CONTRACTOR.
10.10	Toilet Tissue Dispenser	PROVIDED BY OWNER. INSTALLED BY CONTRACTOR.
10.13	Soap Dispenser	40" MAX A.F.F. TO BOTTOM OF DISPENSER OPENING. PROVIDED BY OWNER. INSTALLED BY CONTRACTOR.
10.22	Urinal Screen	FLOOR MOUNTED.
10.29	Mirror	
10.61	Towel Pin	42" MAX A.F.F. TO CENTER OF UNIT.



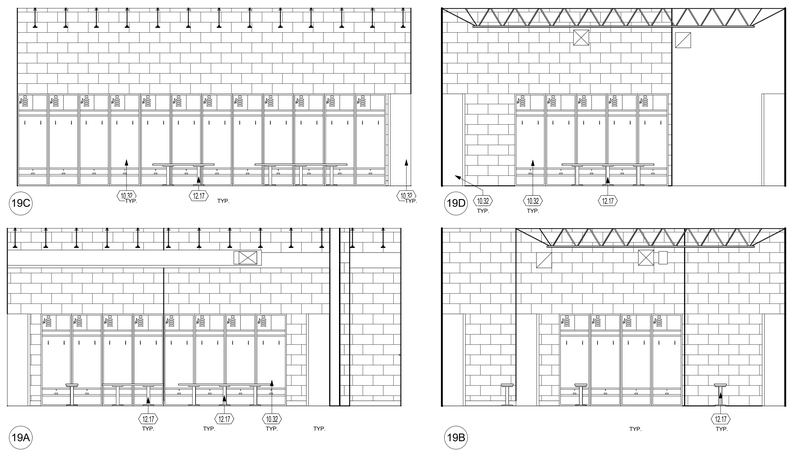
13 SHOWER ELEVATIONS

SCALE | 1/4" = 1'=0"



12 108 VISITOR RESTROOM ELEVATIONS

SCALE | 1/4" = 1'=0"



11 108 VISITOR LOCKER ROOM ELEVATIONS

SCALE | 1/4" = 1'=0"

GENERAL NOTES - ELEVATIONS

A. SEE G-002 FOR TYPICAL FIXTURE AND ACCESSORY MOUNTING HEIGHTS AND DIMENSIONS.

B. SEE FINISH PLANS FOR ALL SCHEDULED FINISHES. CONTRACTOR TO COORDINATE FINAL WALL COLORS SELECTION WITH ARCHITECT AND OWNER PRIOR TO APPLICATION.

C. PRIOR TO GYPSUM BOARD INSTALL ALL EXPOSED PENETRATIONS SHALL BE REVIEWED BY OWNER/ARCHITECT.

D. PRIOR TO GYPSUM BOARD INSTALLATION AND ELECTRICAL ROUGH-IN INSPECTION, GENERAL CONTRACTORS, ELECTRICAL/DATA CONTRACTORS, AND ARCHITECT SHALL REVIEW IN-PLACE LOCATIONS OF ALL SWITCH BOXES, RECEPTACLE BOXES, FIRE ALARM BOXES, ETC. FINAL LOCATIONS MAY BE ADJUSTED AT THIS TIME TO ALIGN OR COORDINATE WITH DESIGN INTENT.

E. CONTRACTOR IS RESPONSIBLE FOR COORDINATING LOCATIONS OF ELECTRICAL, PLUMBING AND MECHANICAL DEVICES WITH THE ARCHITECTURAL ITEMS. ELECTRICAL, PLUMBING AND MECHANICAL DEVICES ARE TYPICALLY SHOWN SCHEMATICALLY ON THE PME DRAWINGS AND NOT INTENDED TO REPRESENT THEIR SPECIFIC LOCATION. REVIEW ARCHITECTURAL DRAWINGS FOR WALL MOUNTED EQUIPMENT OR FURNISHINGS AND ADJUST LOCATION OF PME DEVICES AS REQUIRED.

##.## KEYNOTES

3.18	RECESS THIS PORTION OF THE SLAB 2" TO ACCOMMODATE 2" MUD SLAB THAT SLOPES TO THE FLOOR DRAIN.
9.26	EPOXY FLECK FLOORING WITH A 4" EPOXY COVE BASE.
10.01	18" VERTICAL GRAB BAR.
10.03	36" HORIZONTAL GRAB BAR.
10.08	PAPER TOWEL DISPENSER PROVIDED BY OWNER. INSTALLED BY CONTRACTOR.
10.13	LIQUID SOAP DISPENSER PROVIDED BY OWNER. INSTALLED BY CONTRACTOR.
10.19	FLOOR MOUNTED TOILET PARTITIONS
10.22	URINAL SCREEN.
10.29	WALL MOUNTED FRAMELESS MIRROR
10.32	METAL LOCKERS. BASIS OF DESIGN: SALSBURY MODEL 70018 WITH PADLOCK HASP FOR BOTH UPPER AND LOWER LOCKER COMPARTMENTS AND NUMBER PLATE. COLOR TO BE DETERMINED. ANCHOR TO FLOOR WITH TWO 1/4" GALVANIZED EXPANSION ANCHORS WITH WASHERS PLACED NEAR THE REAR OF EACH LOCKER.
10.49	ADA SHOWER GRAB BAR.
10.50	SHOWER CURTAIN ROD
10.51	ADA SHOWER SEAT.
10.53	4FT BUILT-IN BENCH
10.54	6FT BUILT-IN BENCH
10.61	TOWEL PIN.
12.17	LOCKER ROOM BENCH.
22.01	SINK. SEE PLUMBING DRAWINGS. (INSULATE PIPING BELOW).
22.03	URINAL. SEE PLUMBING DRAWINGS.
22.18	SHOWER HEAD CONTROLS.
22.19	SHOWER HEAD.
22.20	FLOOR DRAIN. DRAIN SHALL BE 1/2" BELOW FINISH FLOOR ELEVATION.

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MARK C. WISEMAN
13215
REGISTERED ARCHITECT

Mark C. Wiseman, License #13215
Expiration Date 12/31/2027

REVISIONS :

Number	Description	Date

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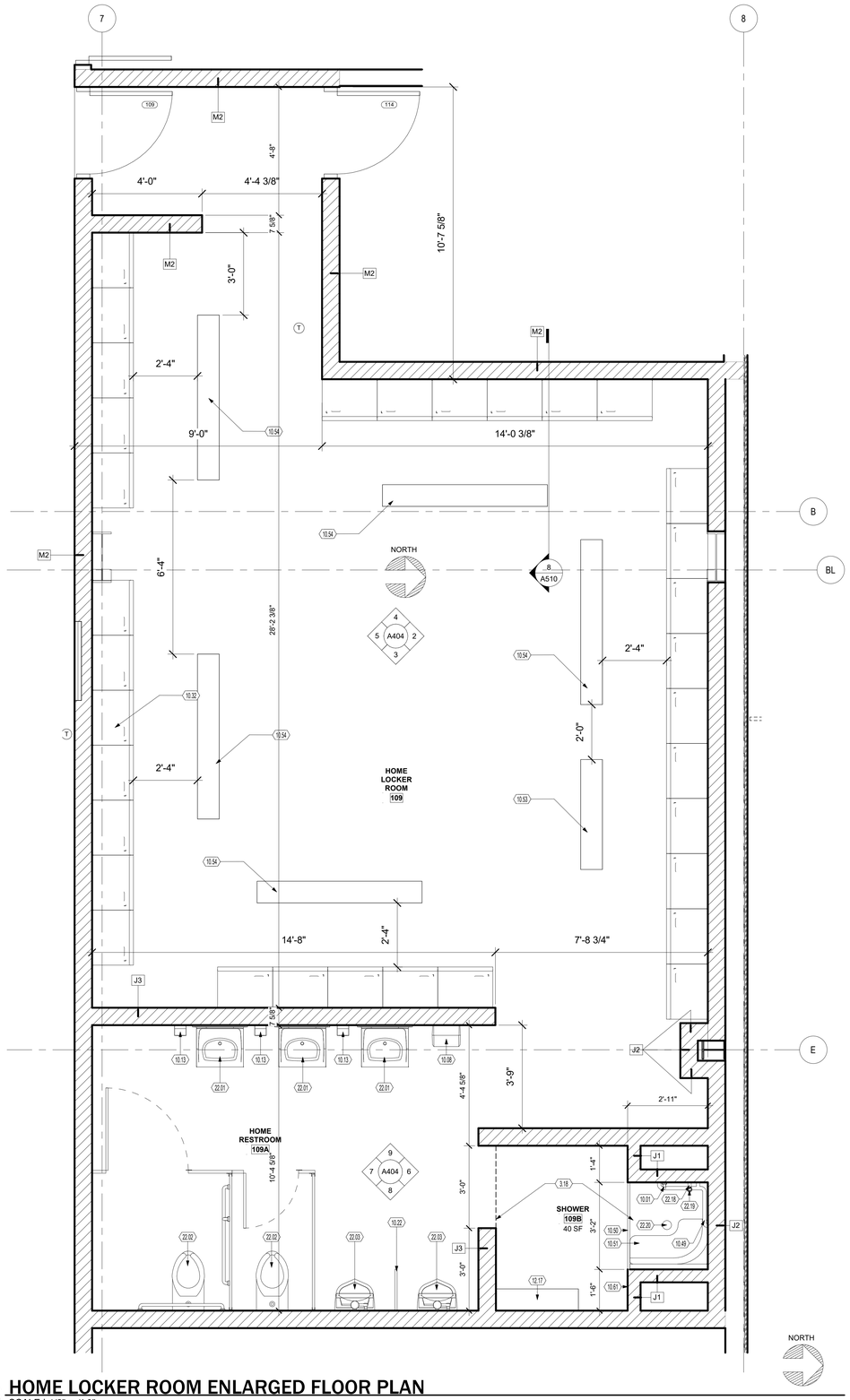
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ENLARGED PLANS AND ELEVATIONS

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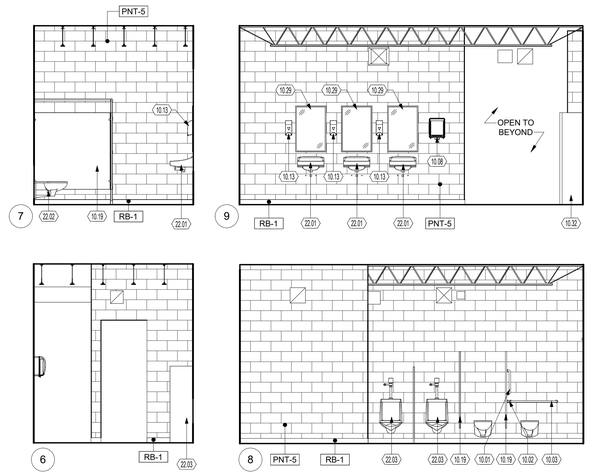
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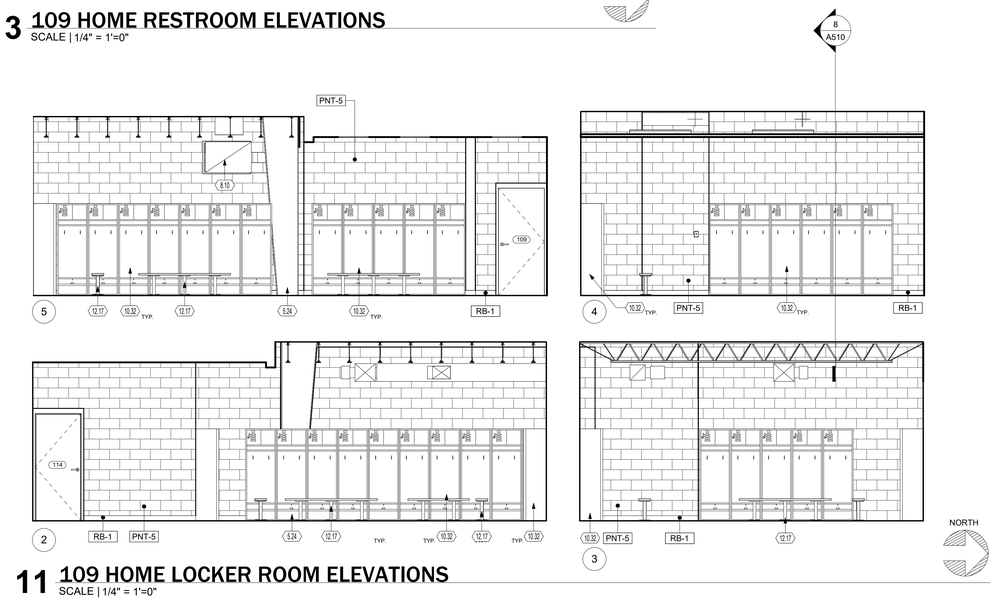
26 HOME LOCKER ROOM ENLARGED FLOOR PLAN
SCALE | 1/2" = 1'-0"

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Keynote	Type	Type Comments
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10.04	Baby Changing Station	
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10.22	Urinal Screen	FLOOR MOUNTED.
10.29	Mirror	
10.61	Towel Pin	42" MAX A.F.F. TO CENTER OF UNIT.



13 109 HOME RESTROOM ELEVATIONS
SCALE | 1/4" = 1'=0"



11 109 HOME LOCKER ROOM ELEVATIONS
SCALE | 1/4" = 1'=0"

GENERAL NOTES - ELEVATIONS

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##.## KEYNOTES

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5.24	PEMB STRUCTURAL RIGID FRAME. PRIME AND PAINT PNT-2
8.10	36" X 24" LOUVER
10.01	18" VERTICAL GRAB BAR.
10.02	42" HORIZONTAL GRAB BAR.
10.03	36" HORIZONTAL GRAB BAR.
10.08	PAPER TOWEL DISPENSER PROVIDED BY OWNER. INSTALLED BY CONTRACTOR.
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22.19	SHOWER HEAD.
22.20	FLOOR DRAIN. DRAIN SHALL BE 1/2" BELOW FINISH FLOOR ELEVATION.

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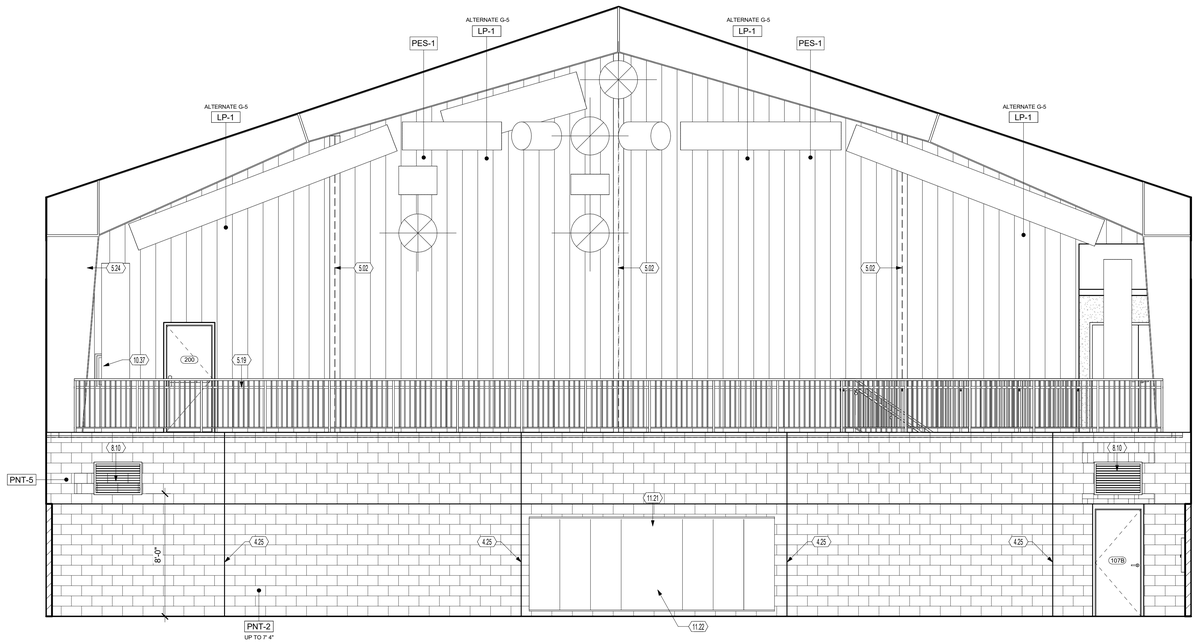
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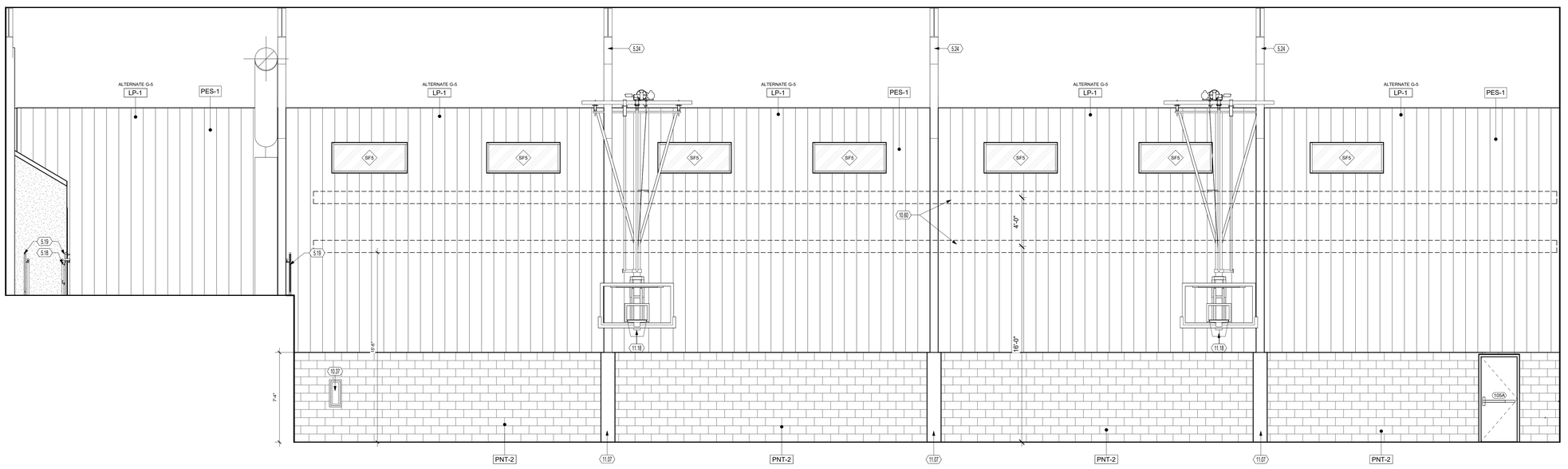
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28 105 GYMNASIUM ROOM ELEVATIONS

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



26 105 GYMNASIUM ROOM ELEVATIONS

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

GENERAL NOTES - ELEVATIONS

A. SEE G-002 FOR TYPICAL FIXTURE AND ACCESSORY MOUNTING HEIGHTS AND DIMENSIONS.

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CASEWORK KEY

WALL CABINETS

W # # X

- MODIFIER
- CABINET WIDTH (INCHES)
- CABINET HEIGHT (INCHES)
- CABINET TYPE

BASE CABINETS

B # X

- MODIFIER
- CABINET WIDTH (INCHES)
- CABINET TYPE

CABINET TYPE

W - WALL CABINET
B - BASE CABINET
TC - TALL CABINET
DB - DRAWER BASE
SB - SINK BASE
MC - MICROWAVE CABINET
CH - TALL TEACHER CABINET
C - STUDENT CUBBIES

MODIFIER

A - ADA HEIGHTS
D - WITH DRAWER
L - LOCKABLE
X - DATA CABINET
R - ADA HEIGHT WITH DRAWER
C - CORNER UNIT
N - ADA HEIGHT CORNER UNIT
S - DESK HEIGHT CORNER UNIT

KEYNOTES

4.25	CMU CONTROL JOINT.
5.02	STEEL COLUMN. REFER TO STRUCTURAL DRAWINGS.
5.18	WALL MOUNTED STEEL HANDRAIL. REFER TO DETAILS.
5.19	ALUMINUM HANDRAIL. REFER TO SPECIFICATIONS AND TO DETAILS.
5.24	PEMB STRUCTURAL RIGID FRAME. PRIME AND PAINT PNT-2
8.10	36" X 24" LOUVER
10.37	FIRE EXTINGUISHER IN SEMI-RECESSED CABINET.
10.60	INSTALL BLOCKING IN WALL AT THIS LOCATION FOR FUTURE ACOUSTICAL PANELS BY OWNER.
11.07	GYM WALL PAD COLUMN WRAP. PADS TO BE BLACK FROM MANUFACTURERS COLOR LINE
11.18	PROVIDE AND INSTALL FORWARD FOLDING MOTORIZED BACKSTOP. NOTE: BACKBOARD, RIM AND BACKBOARD PADDING ARE BEING PROVIDED BY THE OWNER. THESE SHALL BE INSTALLED BY THE BACKSTOP PROVIDER. THE BACKBOARD, RIM, AND PADDING ARE BY BSN SPORTS. ITEM NUMBER NSPHG, MODEL OFX4235E WITH BLACK PADDING.
11.21	WALL MOUNTED GYM PADS. ALIGN WITH CENTERLINE OF BASKETBALL HOOP. PADS TO BE BLACK FROM MANUFACTURER COLOR LINE
11.22	GRAPHIC PRINTED ON WALL PADDING. ARTWORK WILL BE PROVIDED BY OWNER.

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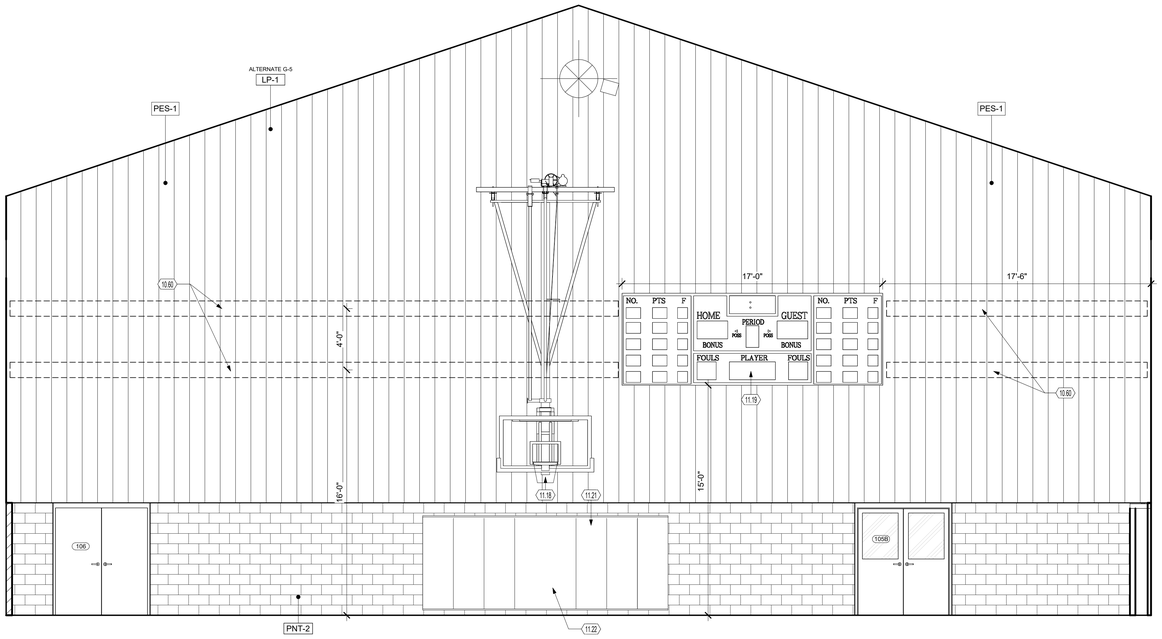
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INTERIOR ELEVATIONS

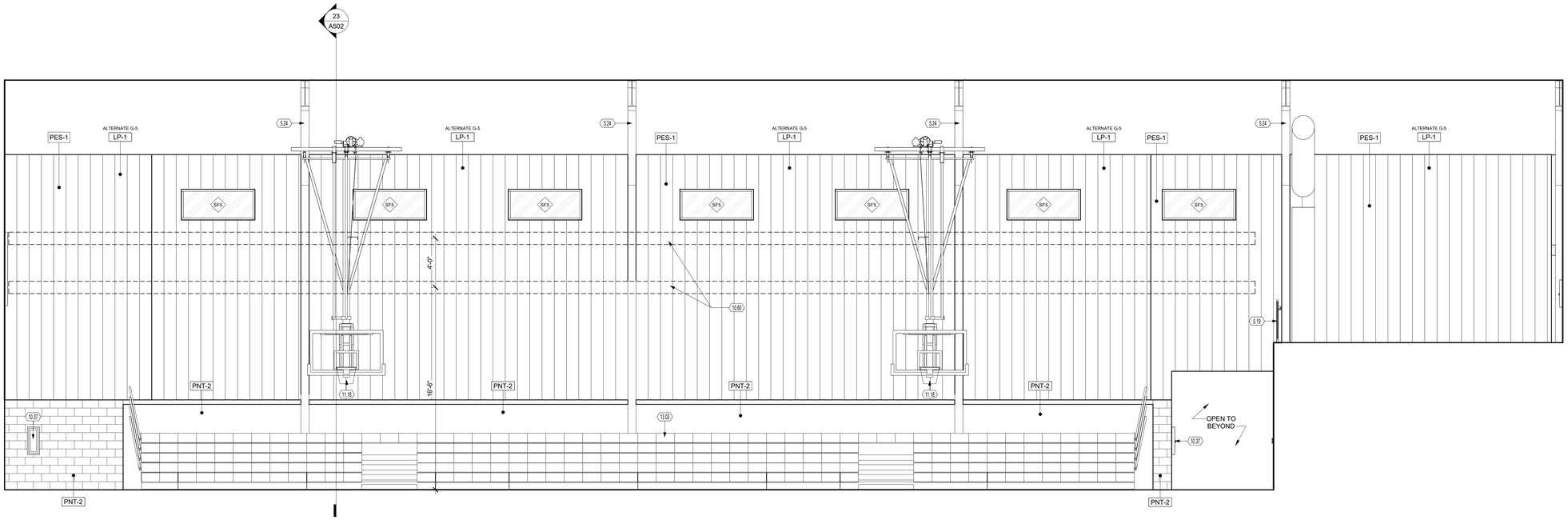
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28 105 GYMNASIUM ROOM ELEVATIONS

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



26 105 GYMNASIUM ROOM ELEVATIONS

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

GENERAL NOTES - ELEVATIONS

A. SEE G-002 FOR TYPICAL FIXTURE AND ACCESSORY MOUNTING HEIGHTS AND DIMENSIONS.

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R - ADA HEIGHT WITH DRAWER
C - CORNER UNIT
N - ADA HEIGHT CORNER UNIT
S - DESK HEIGHT CORNER UNIT

KEYNOTES

5.19	ALUMINUM HANDRAIL. REFER TO SPECIFICATIONS AND TO DETAILS.
5.24	PEMB STRUCTURAL RIGID FRAME. PRIME AND PAINT PNT-2
10.37	FIRE EXTINGUISHER IN SEMI-RECESSED CABINET.
10.60	INSTALL BLOCKING IN WALL AT THIS LOCATION FOR FUTURE ACOUSTICAL PANELS BY OWNER.
11.18	PROVIDE AND INSTALL FORWARD FOLDING MOTORIZED BACKSTOP. NOTE: BACKBOARD, RIM AND BACKBOARD PADDING ARE BEING PROVIDED BY THE OWNER. THESE SHALL BE INSTALLED BY THE BACKSTOP PROVIDER. THE BACKBOARD, RIM, AND PADDING ARE BY BSN SPORTS. ITEM NUMBER NSPHG, MODEL OFX4235E WITH BLACK PADDING.
11.19	LOCATION OF FUTURE WALL MOUNTED SCOREBOARD PROVIDED AND INSTALLED BY OWNER. PROVIDE BLOCKING AND POWER ROUGH-INS. BASED ON DAKTRONICS MODEL BB-2107 WITH PLAYER STAT PANELS MODEL SD-2102.
11.21	WALL MOUNTED GYM PADS. ALIGN WITH CENTERLINE OF BASKETBALL HOOP. PADS TO BE BLACK FROM MANUFACTURER COLOR LINE
11.22	GRAPHIC PRINTED ON WALL PADDING. ARTWORK WILL BE PROVIDED BY OWNER.
13.03	TELESCOPING BLEACHERS

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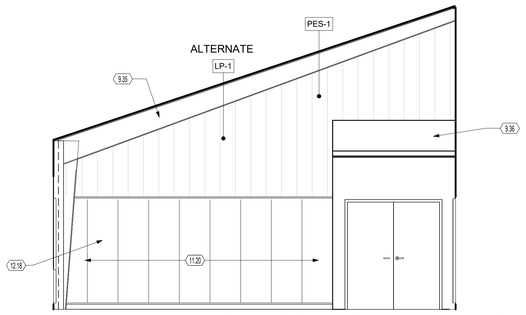
INTERIOR ELEVATIONS

A411

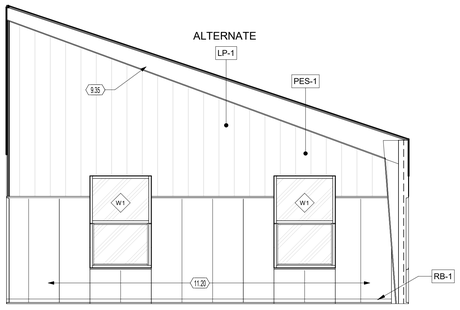
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KEYNOTES

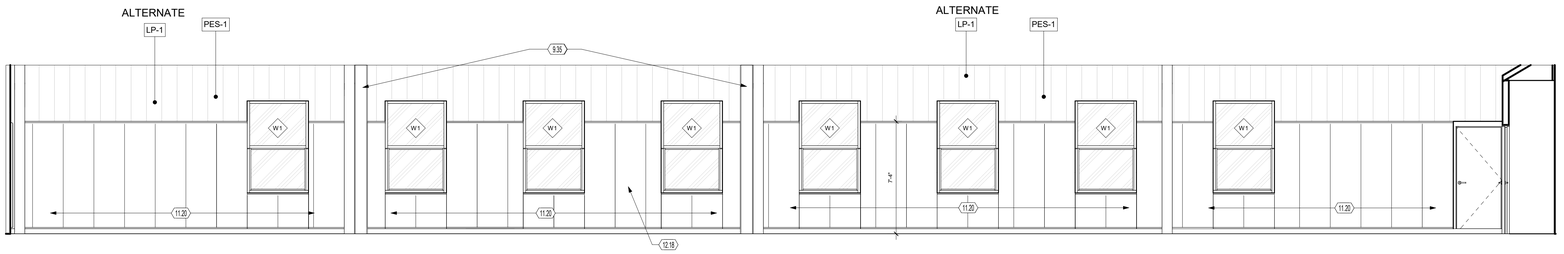
9.35	PAINT EXPOSED STRUCTURE PNT-2.
9.36	SLOPED TOP OVER STORAGE ROOM
10.37	FIRE EXTINGUISHER IN SEMI-RECESSED CABINET.
11.20	WALL MOUNTED GYM PADS - ALTERNATE
12.18	WALL MOUNTED GYM PADS ON PLYWOOD SUBSTRATE.



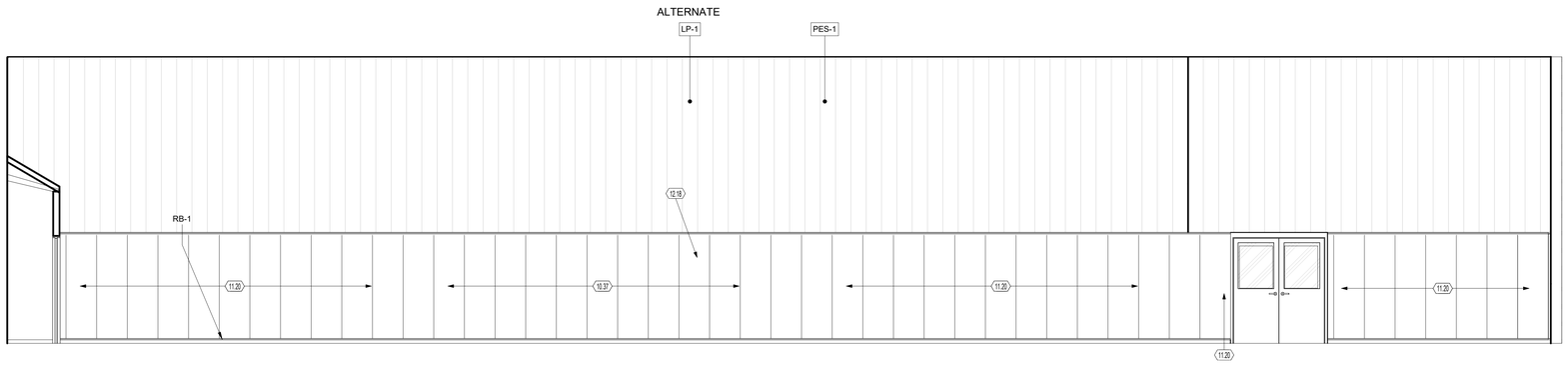
29 ALTERNATE - WEIGHT ROOM NORTH ELEVATION
SCALE | 1/4" = 1'-0"



28 ALTERNATE - WEIGHT ROOM SOUTH ELEVATION
SCALE | 1/4" = 1'-0"



27 ALTERNATE - WEIGHT ROOM WEST ELEVATION
SCALE | 1/4" = 1'-0"



26 ALTERNATE - WEIGHT ROOM EAST ELEVATION
SCALE | 1/4" = 1'-0"

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ATHLETIC FACILITY

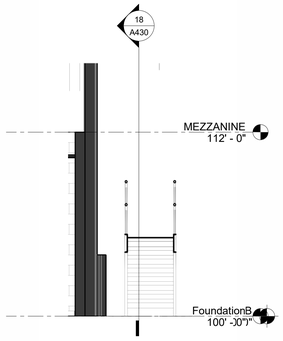
760 Railroad Ave, Bradford, OH 45308

PROJECT NO: 265401.00
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DRAWN BY: DG
DATE: 07.06.2026

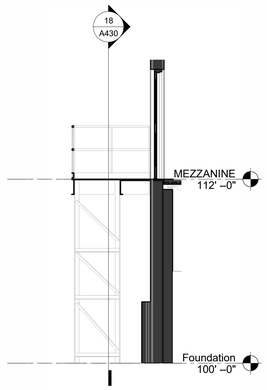
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INTERIOR ELEVATIONS - ALTERNATE

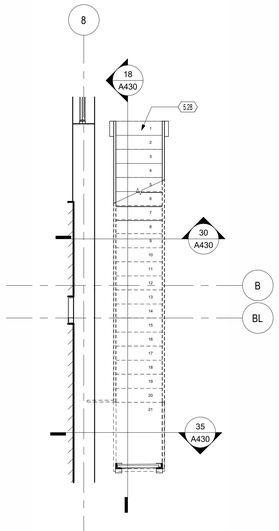
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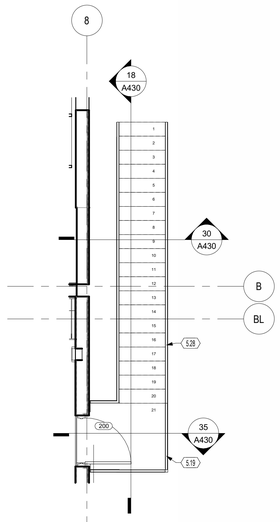
30 SECTION EXTERIOR STAIR
SCALE | 1/4" = 1'-0"



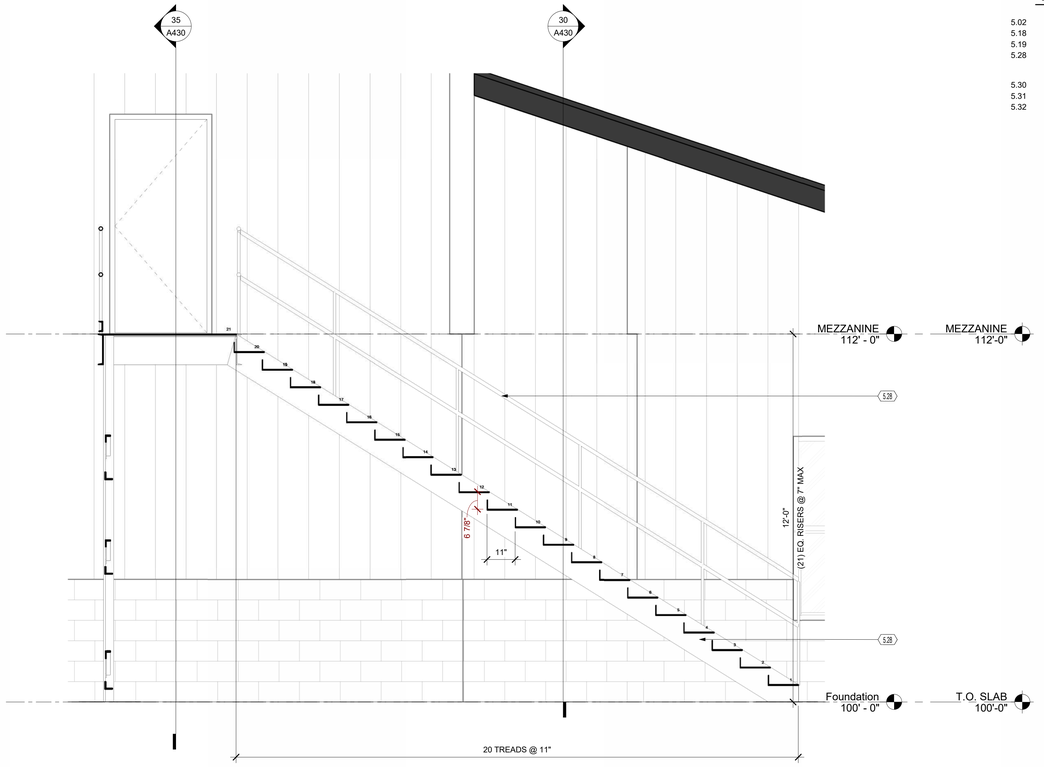
35 SECTION EXTERIOR STAIR
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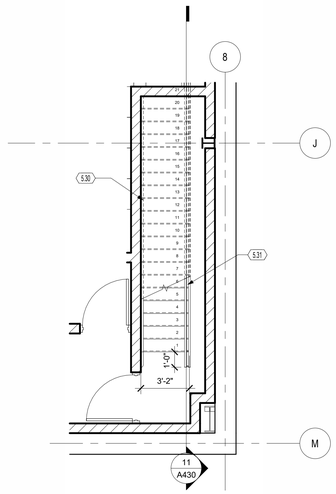
28 ENLARGED EXTERIOR STAIR - MAIN LEVEL
SCALE | 1/4" = 1'-0"



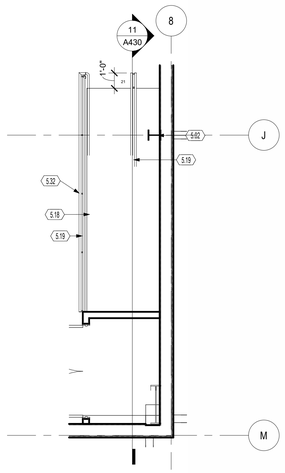
23 ENLARGED EXTERIOR STAIR - MEZZANINE LEVEL
SCALE | 1/4" = 1'-0"



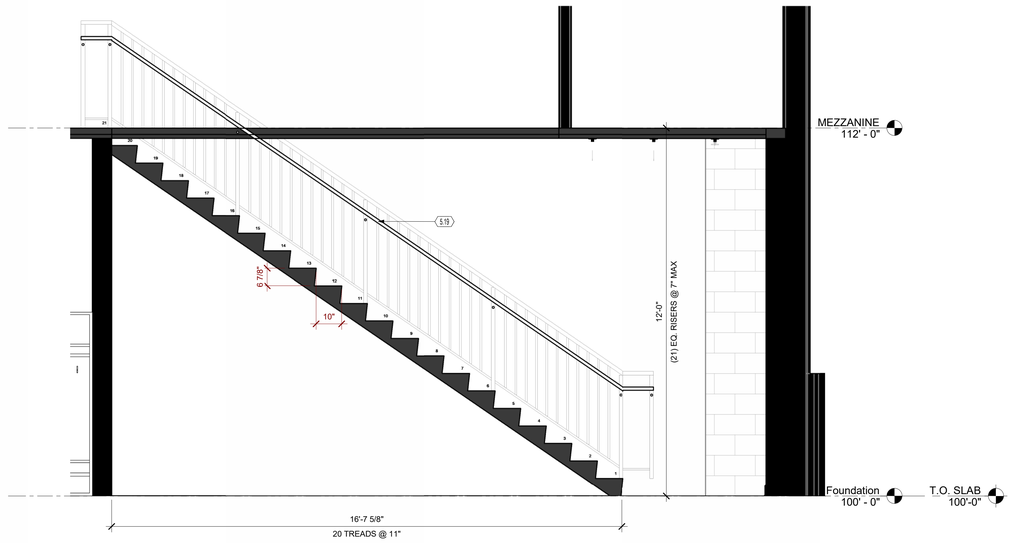
18 SECTION EXTERIOR STAIR
SCALE | 1/2" = 1'-0"



26 ENLARGED STAIR - MAIN LEVEL
SCALE | 1/4" = 1'-0"



21 ENLARGED STAIR - MEZZANINE LEVEL
SCALE | 1/4" = 1'-0"



11 SECTION INTERIOR STAIR
SCALE | 1/2" = 1'-0"

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GENERAL NOTES - STAIRS

A. STAIRS ARE DELIGATED DESIGN. PLANS AND DETAILS SHOWN ARE FOR INTENT ONLY. STAIR DESIGNER SHALL INDICATE STEEL MEMBER SIZES, GAGES AND OTHER INFORMATION AS NEEDED FOR A COMPLETE INSTALLATION.

B. COORDINATE LOCATIONS FOR SUPPORT BEAMS AT CAST IN PLACE LANDINGS / METAL PAN STAIRS

C. STEEL CLOSURE PLATES ARE 1/4" THICK U.N.O. CONTINUOUSLY WELD CLOSURE PLATES AND GRIND WELDS SMOOTH. PROVIDE CLOSURE PLATES @ EXPOSED ENDS OF STRINGERS.

D. PAINT ALL METAL STAIR COMPONENTS AS PER SPECIFICATIONS, ALL JOINTS TO BE WELDED AND GROUND SMOOTH.

##.## KEYNOTES

5.02	STEEL COLUMN. REFER TO STRUCTURAL DRAWINGS.
5.18	WALL MOUNTED STEEL HANDRAIL. REFER TO DETAILS.
5.19	ALUMINUM HANDRAIL. REFER TO SPECIFICATIONS AND TO DETAILS.
5.28	PRE-MANUFACTURED STEEL STAIR. STAIR BASED ON MODEL ST-53786 BY STAIR ZONE: (574)773-8025. WWW.STAIRZONE.COM. STAIR SHALL BE FACTORY FINISHED.
5.30	WALL MOUNTED STEEL HANDRAIL. PRIMED AND PAINTED.
5.31	STEEL GUARDRAIL AND PIPE RAILING. PRIMED AND PAINTED.
5.32	FLOOR MOUNTED STEEL GUARDRAIL. PRIMED AND PAINTED. 42" HIGH TO TOP RAIL.

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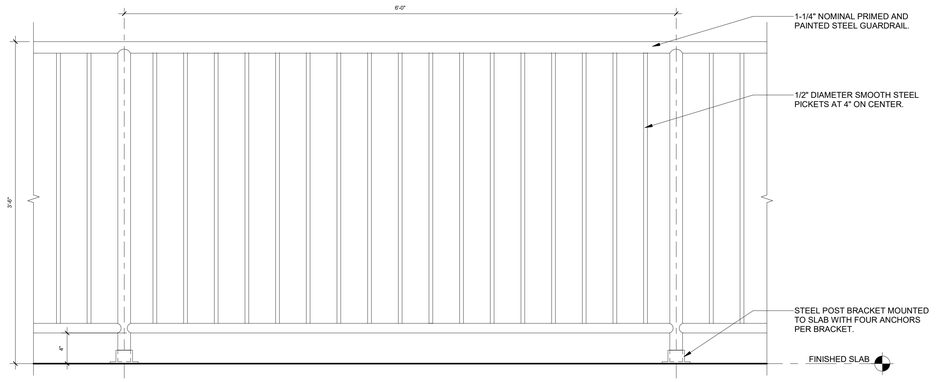
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STAIRS

A430



30 MEZZANINE GUARDRAIL
SCALE | 1 1/2" = 1'-0"

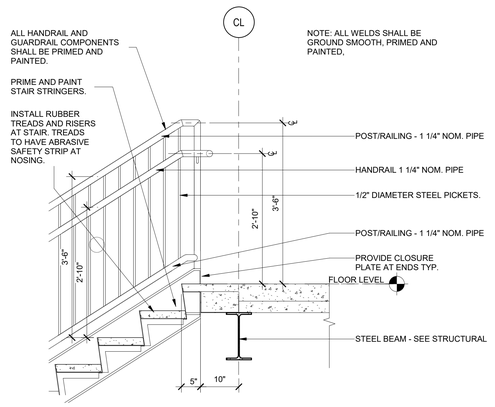
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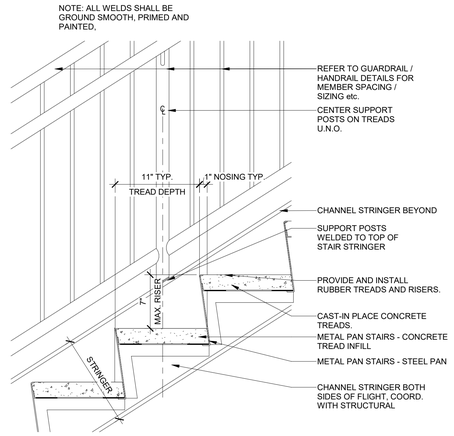
B. COORDINATE LOCATIONS FOR SUPPORT BEAMS AT CAST IN PLACE LANDINGS / METAL PAN STAIRS

C. STEEL CLOSURE PLATES ARE 1/4" THICK U.N.O. CONTINUOUSLY WELD CLOSURE PLATES AND GRIND WELDS SMOOTH. PROVIDE CLOSURE PLATES @ EXPOSED ENDS OF STRINGERS.

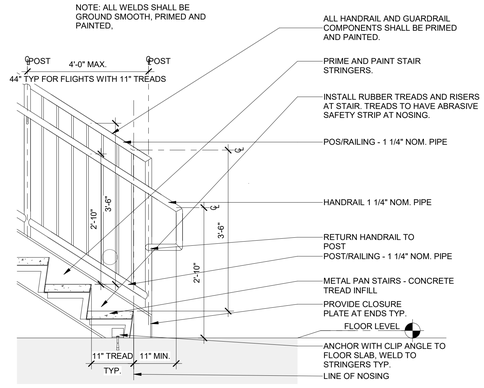
D. PAINT ALL METAL STAIR COMPONENTS AS PER SPECIFICATIONS, ALL JOINTS TO BE WELDED AND GROUND SMOOTH.



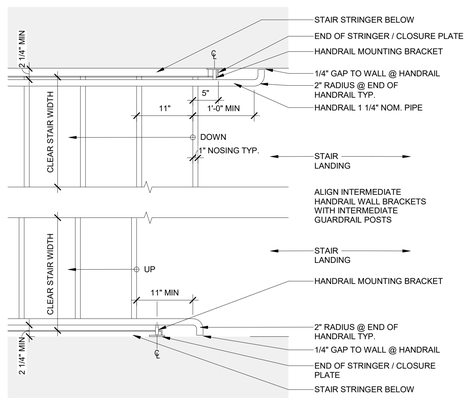
4 SECTION @ CIP TOP LANDING
SCALE | 3/4" = 1'-0"



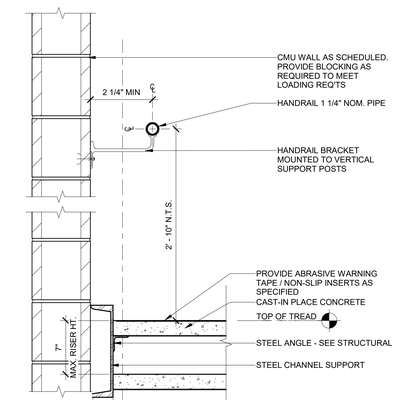
2 SECTION DETAIL @ METAL PAN STAIR
SCALE | 1 1/2" = 1'-0"



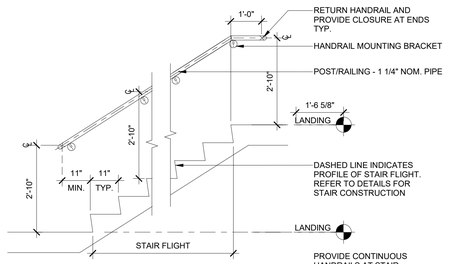
8 SECTION @ BOTTOM LANDING (POST RETURN)
SCALE | 3/4" = 1'-0"



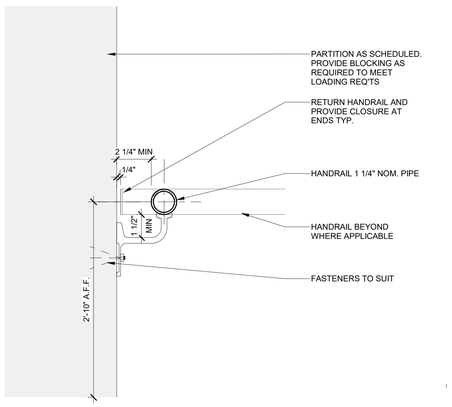
26 PLAN DETAIL @ WALL MOUNTED HANDRAIL
SCALE | 1" = 1'-0"



16 GUARDRAIL SECTION W/ HANDRAIL
SCALE | 1 1/2" = 1'-0"



1 TYPICAL HANDRAIL ELEVATION
SCALE | 1/2" = 1'-0"



3 TYPICAL WALL MOUNTED HANDRAIL
SCALE | 3" = 1'-0"

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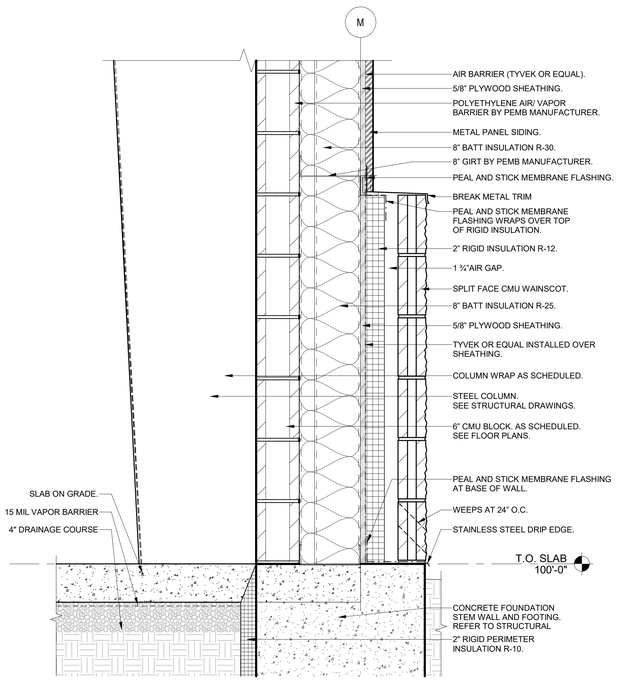
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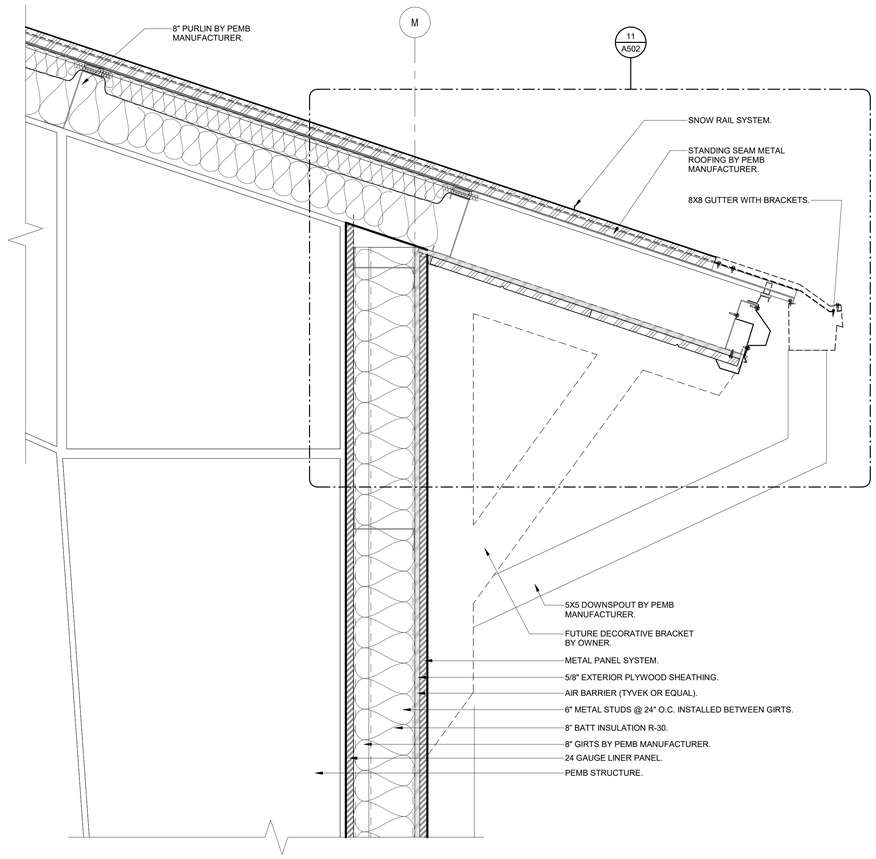
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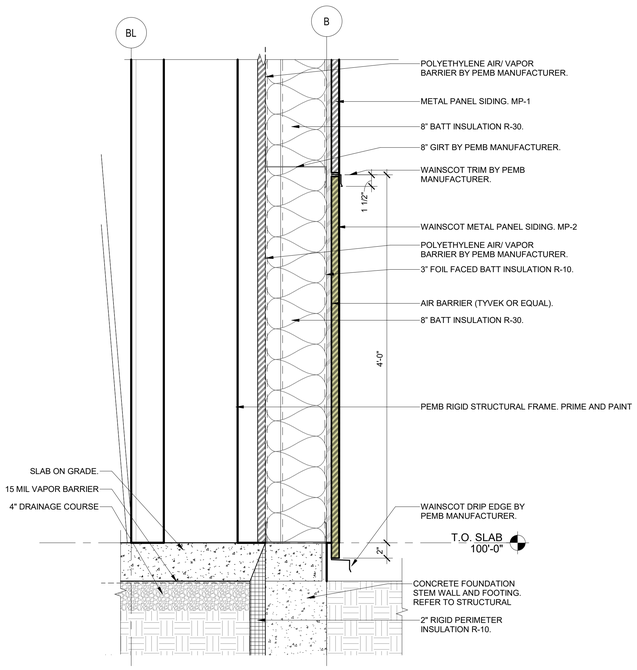
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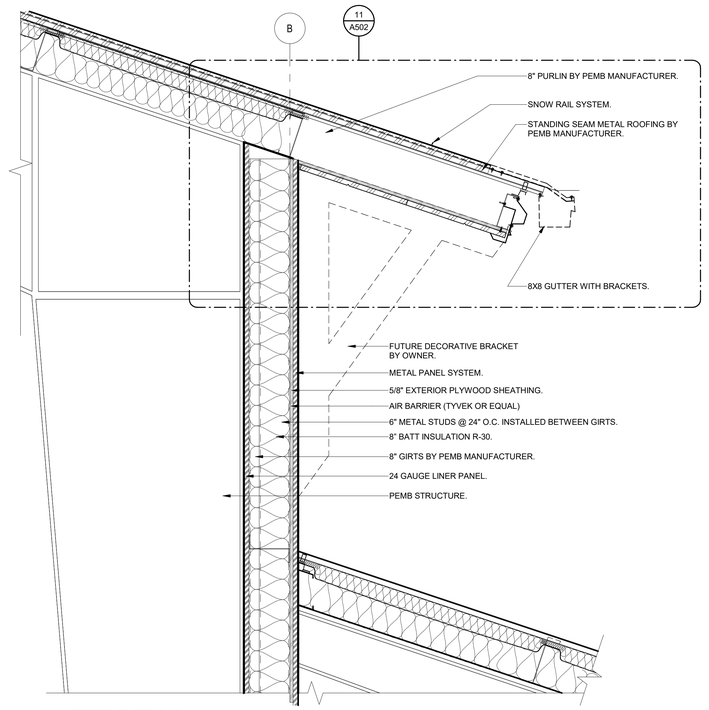
28 SPLIT FACE WAINSCOT @ GYM
SCALE | 1 1/2" = 1'-0"



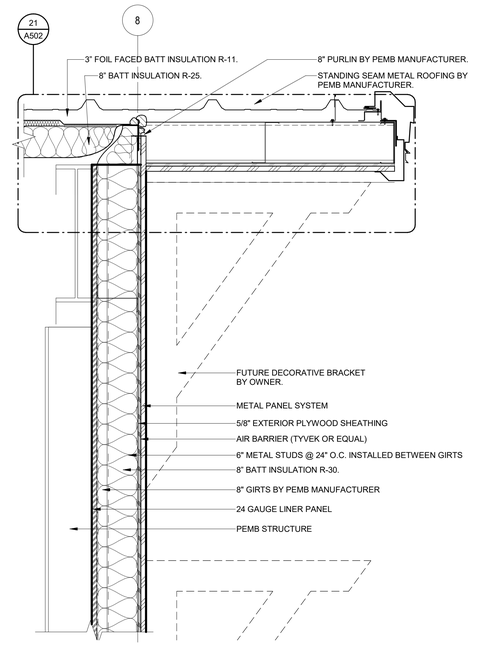
18 SOFFIT DETAIL
SCALE | 1 1/2" = 1'-0"



26 METAL PANEL WAINSCOT @ GYM
SCALE | 1 1/2" = 1'-0"



16 SOFFIT DETAIL
SCALE | 1" = 1'-0"



6 SOFFIT DETAIL
SCALE | 1" = 1'-0"

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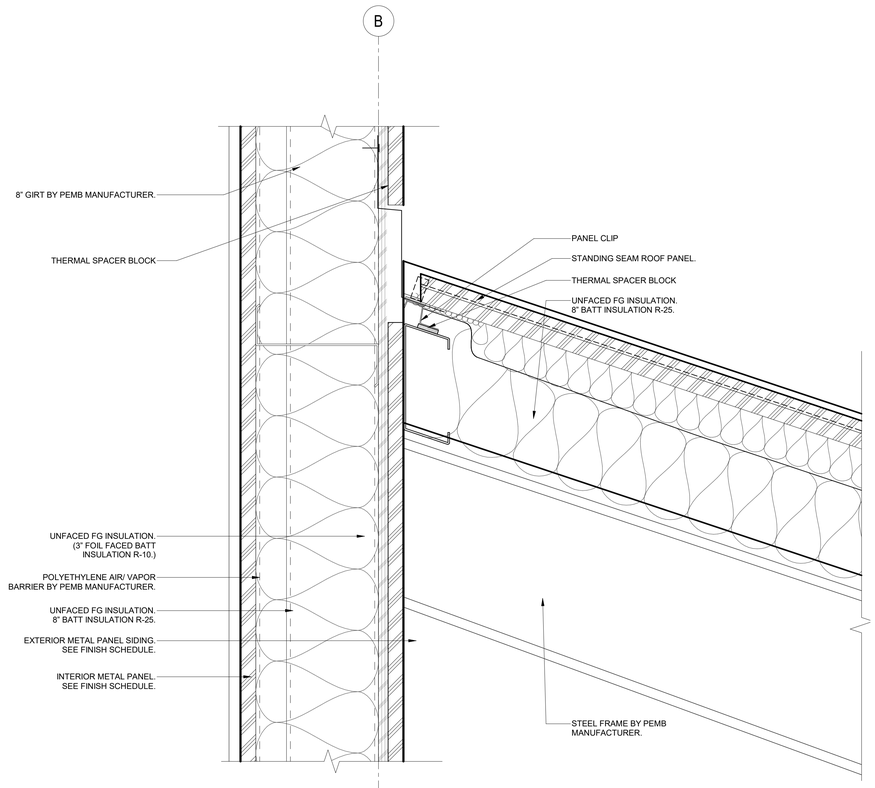
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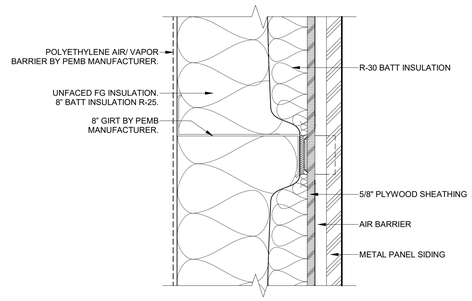
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EXTERIOR DETAILS

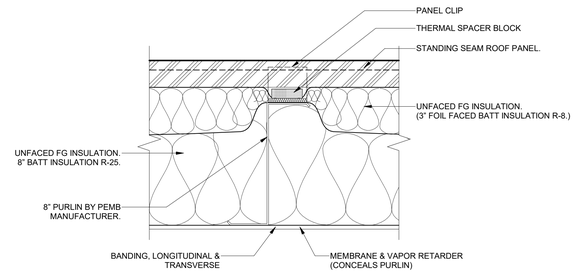
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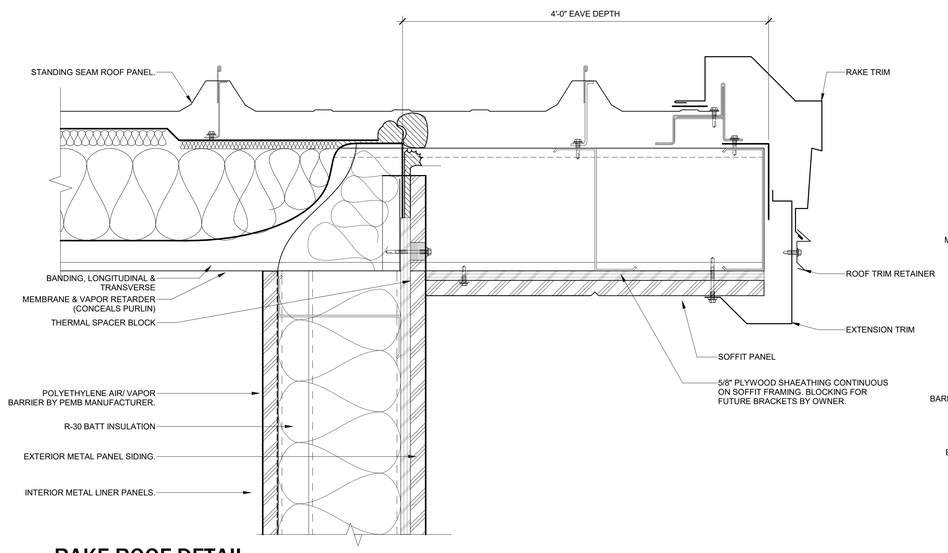
23 LOWER ROOF @ WALL
SCALE | 3" = 1'-0"



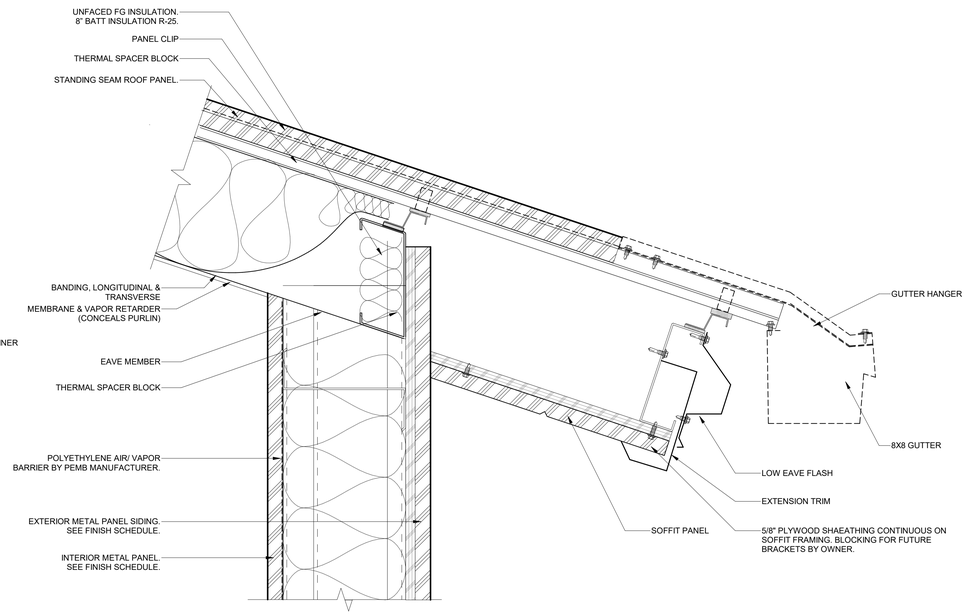
9 GIRT METAL PANEL CONNECTION
SCALE | 3" = 1'-0"



8 PURLIN METAL ROOF CONNECTION
SCALE | 3" = 1'-0"



21 RAKE ROOF DETAIL
SCALE | 3" = 1'-0"



11 EAVE AND GUTTER DETAIL
SCALE | 3" = 1'-0"

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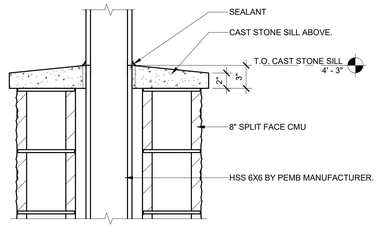
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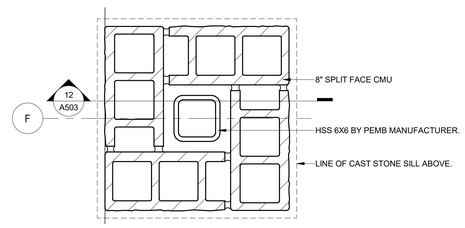
EXTERIOR DETAILS

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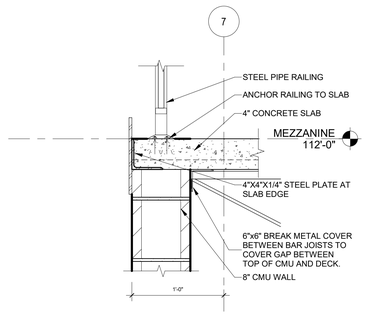
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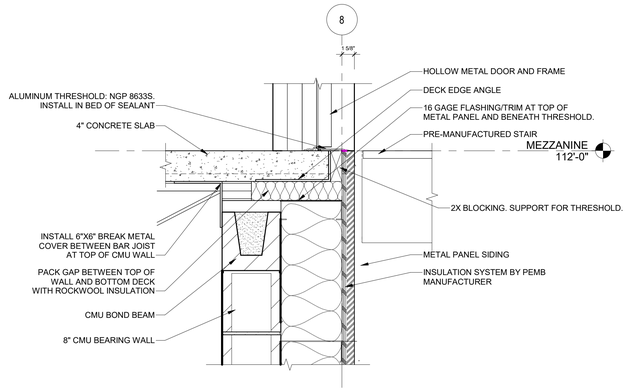
12 PORCH COLUMN PIER SECTION
SCALE | 1 1/2" = 1'-0"



7 PORCH COLUMN PIER
SCALE | 1 1/2" = 1'-0"



11 DETAIL @ MEZZANINE RAILING
SCALE | 1 1/2" = 1'-0"



6 DETAIL @ MEZZANINE THRESHOLD
SCALE | 1 1/2" = 1'-0"

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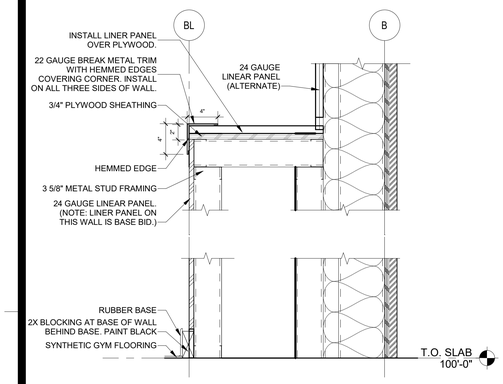
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EXTERIOR DETAILS

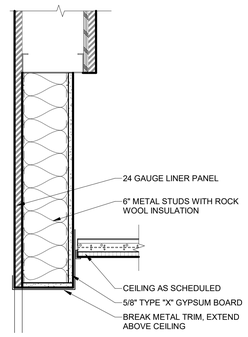
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KEYNOTES

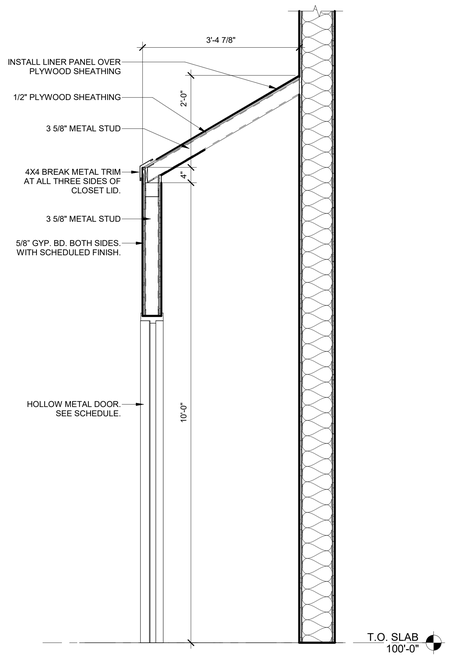
3.01	NEW CONCRETE FLOOR SYSTEM. SEE STRUCTURAL DRAWINGS.
3.02	NEW SLAB ON GRADE. REFER TO STRUCTURAL DRAWINGS FOR REINFORCEMENT.
4.09	8" CMU WALL.
5.03	STEEL JOIST. REFER TO STRUCTURAL DRAWINGS.
9.12	CEILING AS SCHEDULED.
9.32	6" METAL STUD SOFFIT
10.32	METAL LOCKERS. BASIS OF DESIGN: SALSBURY MODEL 70018 WITH PADLOCK HASP FOR BOTH UPPER AND LOWER LOCKER COMPARTMENTS AND NUMBER PLATE. COLOR TO BE DETERMINED. ANCHOR TO FLOOR WITH TWO 1/4" GALVANIZED EXPANSION ANCHORS WITH WASHERS PLACED NEAR THE REAR OF EACH LOCKER.
12.17	LOCKER ROOM BENCH.

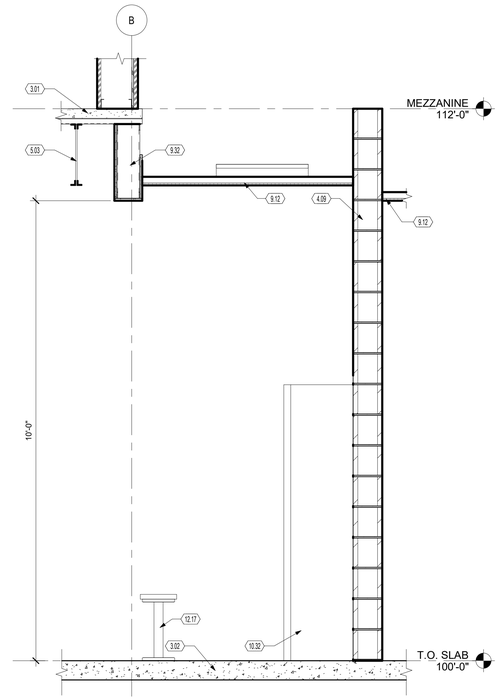


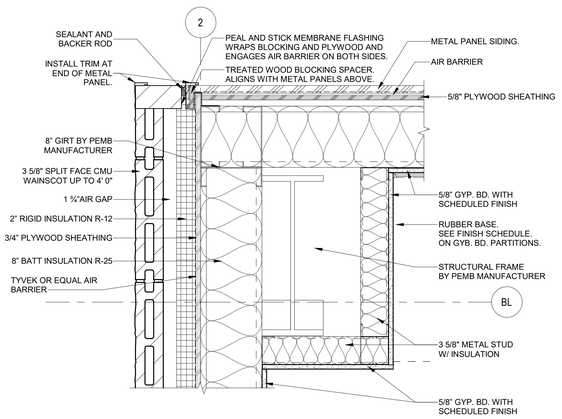
29 DETAIL @ WALL CAP
SCALE | 1 1/2" = 1'-0"



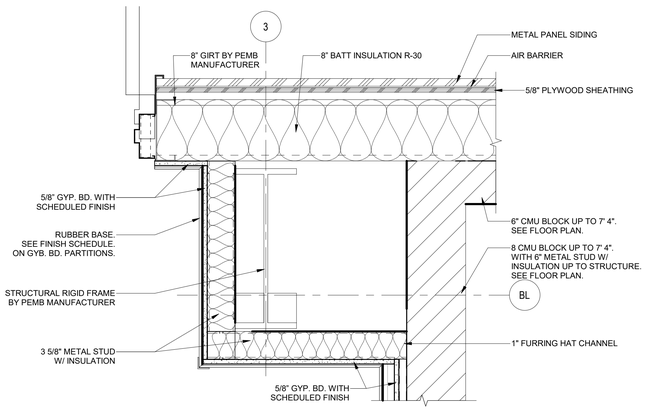
19 BULKHEAD DETAIL
SCALE | 1 1/2" = 1'-0"



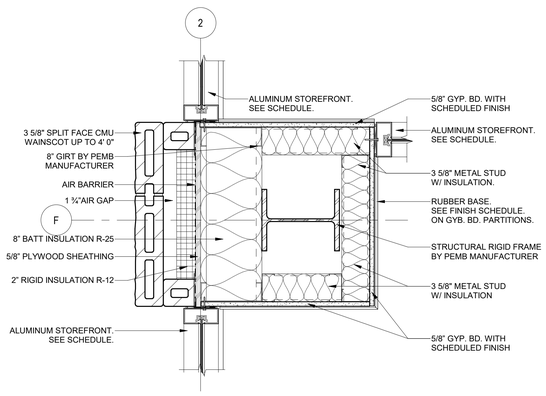




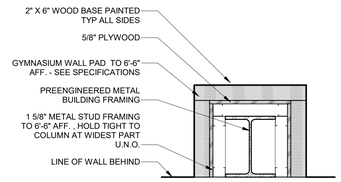
28 FIRST FLOOR PLAN
SCALE | 1 1/2" = 1'-0"



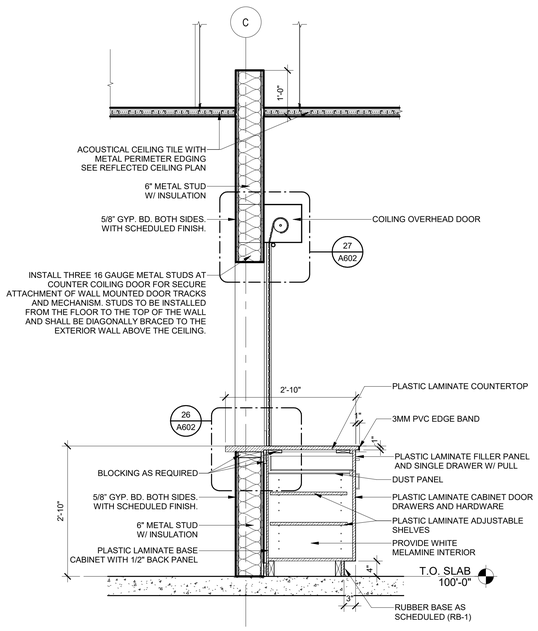
18 FIRST FLOOR PLAN
SCALE | 1 1/2" = 1'-0"



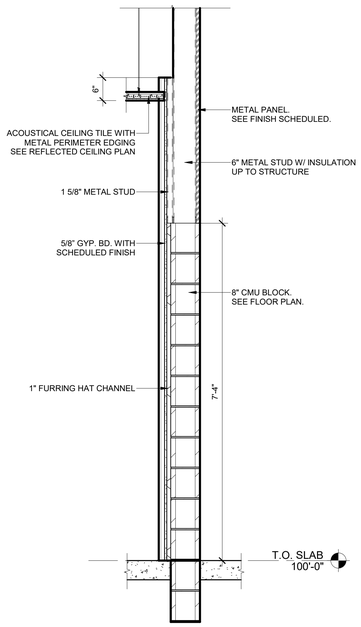
27 FIRST FLOOR PLAN
SCALE | 1 1/2" = 1'-0"



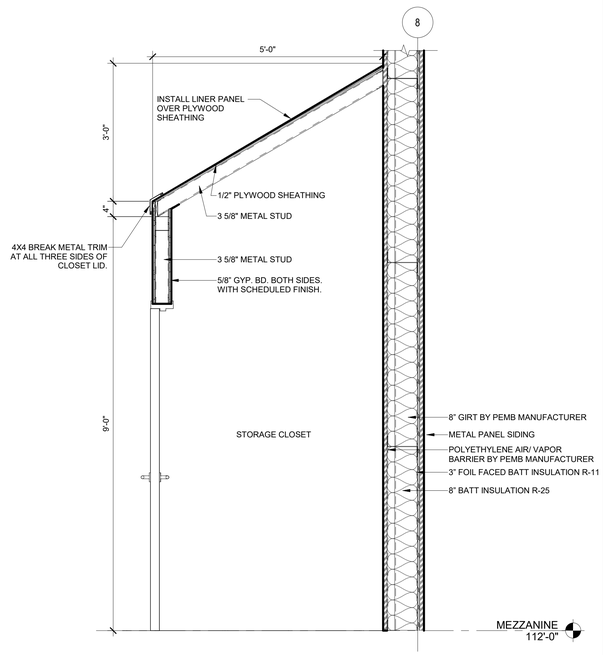
26 COLUMN WRAP w/ BASE, TYP.
SCALE | 1 1/2" = 1'-0"



16 COUNTER COILING DOOR
SCALE | 3/4" = 1'-0"



13 (ALTERNATE) WEIGHT ROOM STORAGE CLOSET
SCALE | 3/4" = 1'-0"



11 LOBBY AND GYM WALL
SCALE | 3/4" = 1'-0"

6 MEZZANINE STORAGE CLOSET
SCALE | 3/4" = 1'-0"

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STATE OF OHIO
MARK C. WISEMAN
13215
REGISTERED ARCHITECT

Mark C. Wiseman, License #13215
Expiration Date 12/31/2027

REVISIONS :

Number	Description	Date

PRINTINGS :

CONSTRUCTION DOCUMENTS / PERMIT SET	07.06.2026

CONSULTANTS

BRADFORD EVSD

ATHLETIC FACILITY

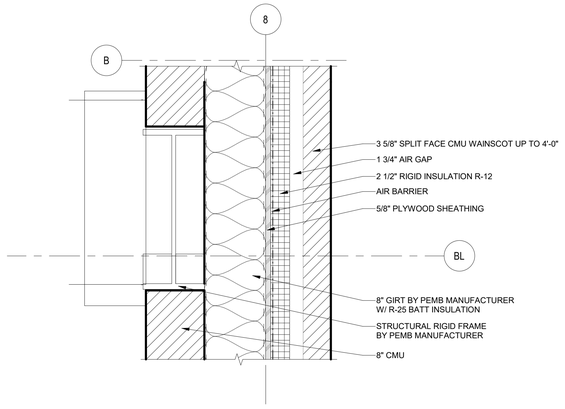
760 Railroad Ave, Bradford, OH 45308

PROJECT NO: 263401.00
CHECKED BY: MH
DRAWN BY: DG
DATE: 07.06.2026

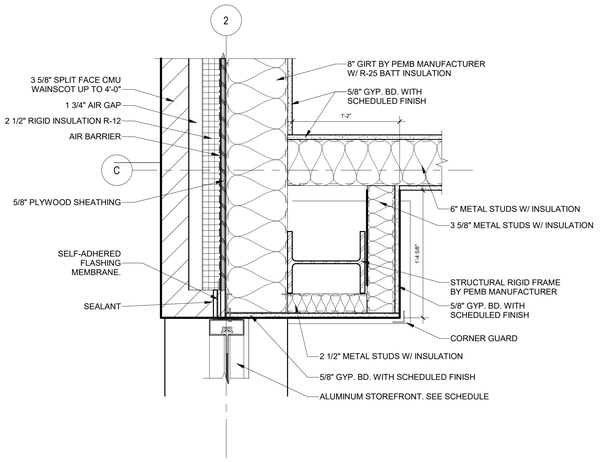
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MIAMISBURG, OHIO 45342
O: 937.224.1931
F: 937.224.3091
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INTERIOR DETAILS

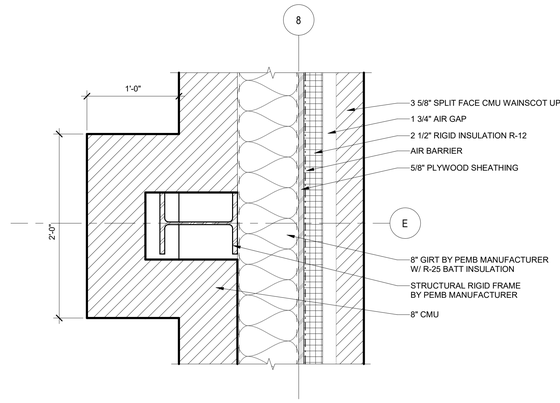
A510



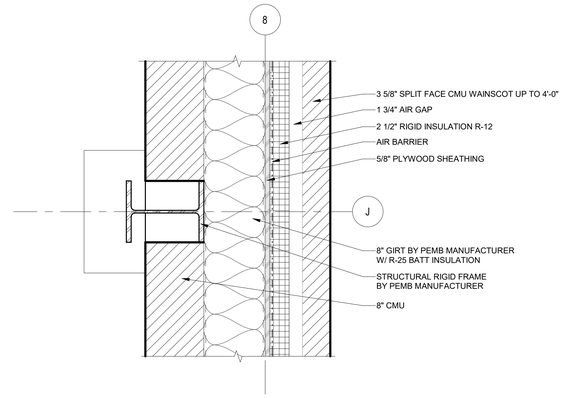
23 PLAN DETAIL @ GRID B8
SCALE | 1 1/2" = 1'-0"



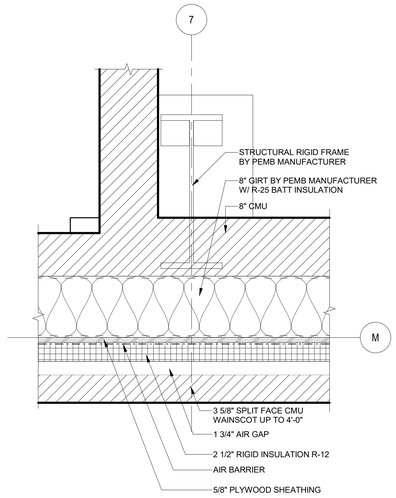
27 PLAN DETAIL @ GRID C2
SCALE | 1 1/2" = 1'-0"



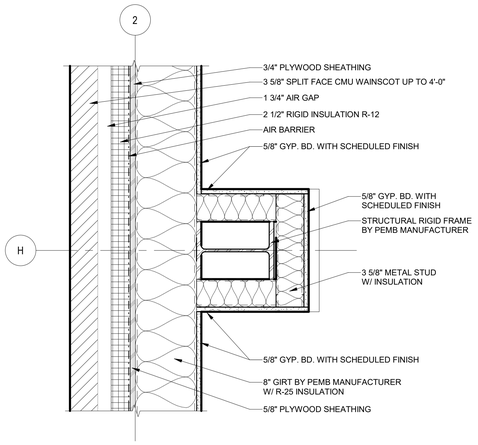
22 PLAN DETAIL @ GRID E8
SCALE | 1 1/2" = 1'-0"



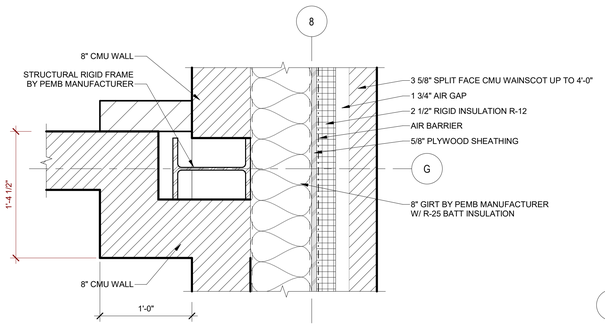
12 PLAN DETAIL @ GRID J8
SCALE | 1 1/2" = 1'-0"



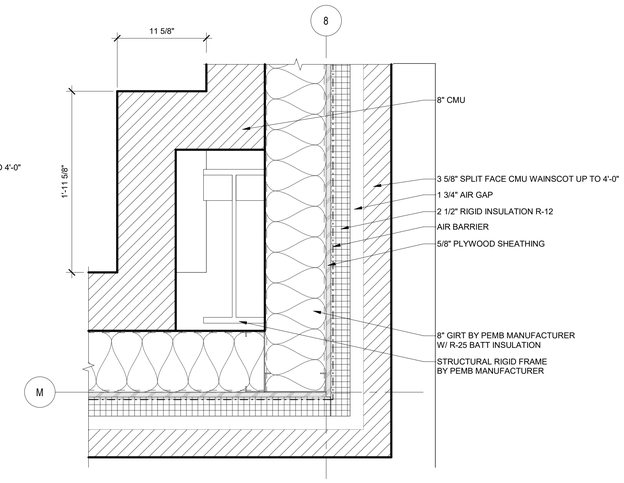
7 PLAN DETAIL @ GRID M7
SCALE | 1 1/2" = 1'-0"



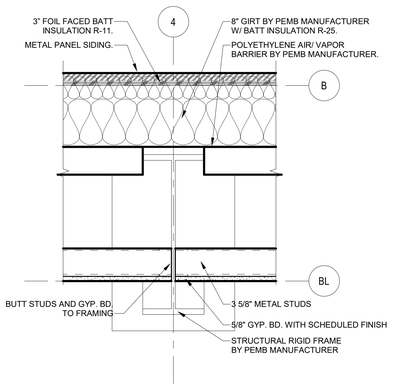
26 PLAN DETAIL @ GRID H2
SCALE | 1 1/2" = 1'-0"



21 PLAN DETAIL @ GRID G8
SCALE | 1 1/2" = 1'-0"



11 PLAN DETAIL @ GRID M8
SCALE | 1 1/2" = 1'-0"



6 PLAN DETAIL @ GRID B4
SCALE | 1 1/2" = 1'-0"

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STATE OF OHIO
MARK C. WISEMAN
13215
REGISTERED ARCHITECT

Mark C. Wiseman, License #13215
Expiration Date 12/31/2027

REVISIONS :

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CONSULTANTS

BRADFORD EVSD
ATHLETIC FACILITY
760 Railroad Ave, Bradford, OH 45308

BRADFORD RAILROADERS

PROJECT NO:	CHECKED BY:	DRAWN BY:	DATE:
263401.00	MH	DG	07.06.2026

LEVIN PORTER ARCHITECTS
3011 NEWMARK DRIVE
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Levin Porter Associates Inc. dba Levin Porter Architects

INTERIOR DETAILS

A511

CASEWORK KEY

WALL CABINETS

W # # X

- MODIFIER
- CABINET WIDTH (INCHES)
- CABINET HEIGHT (INCHES)
- CABINET TYPE

BASE CABINETS

B # X

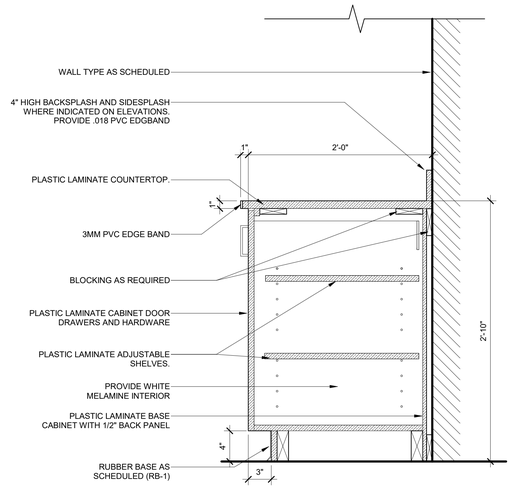
- MODIFIER
- CABINET WIDTH (INCHES)
- CABINET TYPE

CABINET TYPE

W - WALL CABINET
B - BASE CABINET
TC - TALL CABINET
DB - DRAWER BASE
SB - SINK BASE
MC - MICROWAVE CABINET
CH - TALL TEACHER CABINET
C - STUDENT CUBBIES

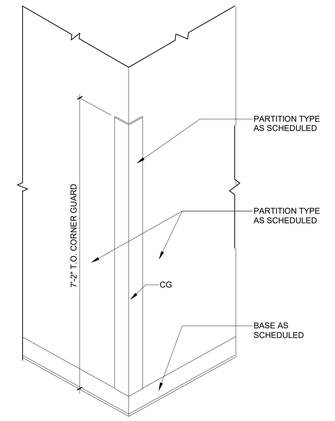
MODIFIER

A - ADA HEIGHTS
D - WITH DRAWER
L - LOCKABLE
X - DATA CABINET
R - ADA HEIGHT WITH DRAWER
C - CORNER UNIT
N - ADA HEIGHT CORNER UNIT
S - DESK HEIGHT CORNER UNIT



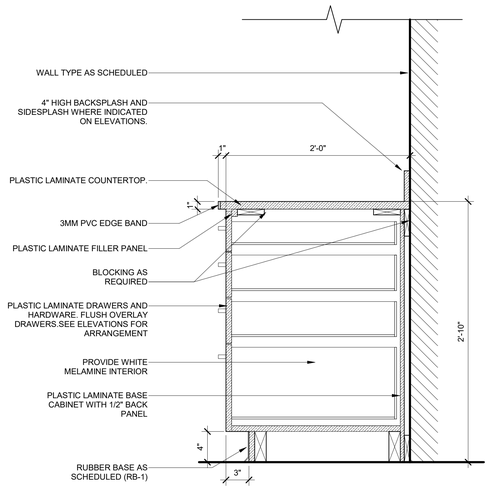
13 BASE CABINET W/ DOOR ONLY

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



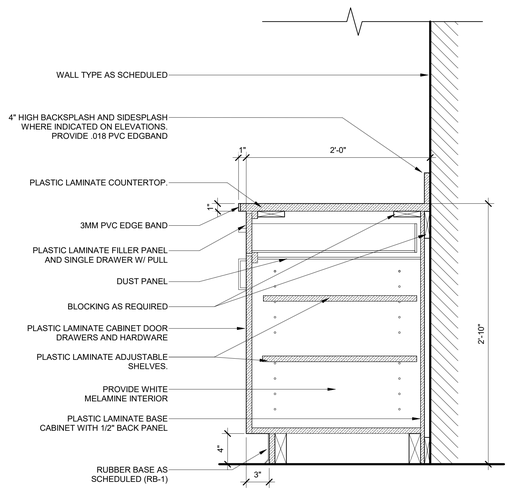
3 TYP. CORNER GUARD

SCALE | 1" = 1'-0"



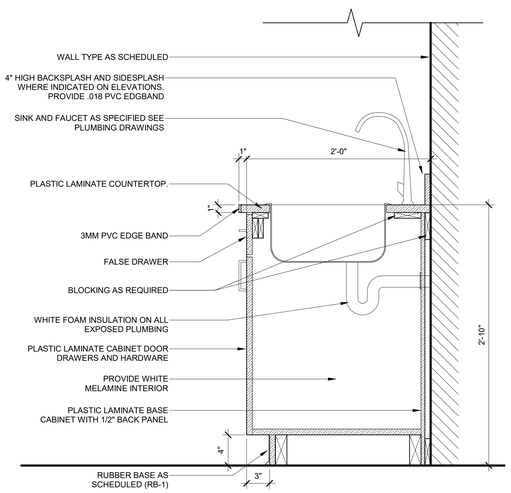
26 BASE CABINET W/ DRAWERS

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



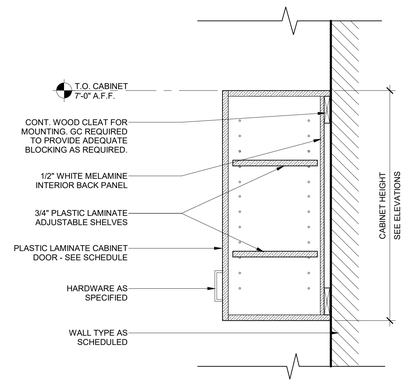
21 BASE CABINET W/ DOOR AND DRAWER

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



11 BASE CABINET W/ SINK

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



1 WALL CABINET

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

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STATE OF OHIO
MARK C. WISEMAN
13215
REGISTERED ARCHITECT

Mark C. Wiseman, License #13215
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760 Railroad Ave, Bradford, OH 45308

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Levin Porter Associates Inc. dba Levin Porter Architects

PROJECT NO: **263401.00**
CHECKED BY: **MH**
DRAWN BY: **DG**
DATE: **07.06.2026**

INTERIOR & CASEWORK DETAILS

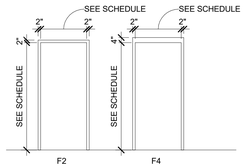
A520

DOOR SCHEDULE

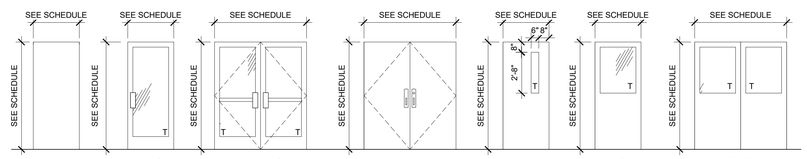
		DOOR						FRAME		FIRE	DETAILS			ACCESS	
DOOR #	TO ROOM	TYPE	WIDTH	HEIGHT	THICK	MATERIAL	FINISH	MATERIAL	FINISH	RATING	JAMB	HEAD	THRESHOLD	CONTROL	NOTES
100A	VESTIBULE	DFG	6' - 0"	7' - 0"	1 3/4"	ALUM	--	ALUM	--	--	1/A602 3/A602	4/A602		Y	
100B	LOBBY	DFG	6' - 0"	7' - 0"	1 3/4"	ALUM	--	ALUM	--	--	--	2/A601			
101	LOBBY	E	6' - 0"	7' - 0"	1 3/4"	HM	--	HM	PNT-4	--	1/A601	2/A601		Y	
102	MEN	F	3' - 0"	7' - 0"	1 3/4"	HM	--	HM	PNT-4	--	1/A601	2/A601			
103	WOMEN	F	3' - 0"	7' - 0"	1 3/4"	HM	--	HM	PNT-4	--	1/A601	2/A601			
104	CONCESSIONS	F	3' - 0"	7' - 0"	1 3/4"	HM	--	HM	PNT-4	--	1/A601	2/A601			
105A	GYMNASIUM	F	3' - 0"	7' - 0"	1 3/4"	HM	--	HM	PNT-4		11/A602 12/A602	13/A602		Y	
105B	LOBBY	DHG	6' - 0"	7' - 0"	1 3/4"	HM	--	HM	PNT-4	--	11/A601	12/A601		Y	
106	GYMNASIUM	E	6' - 0"	7' - 0"	1 3/4"	HM	--	HM	PNT-4	--	6/A601	7/A601			
107A	VESTIBULE	F	3' - 0"	7' - 0"	1 3/4"	HM	--	HM	PNT-4		11/A602 12/A602	13/A602		Y	
107B	VESTIBULE	F	3' - 0"	7' - 0"	1 3/4"	HM	--	HM	PNT-4	--	6/A601	7/A601			
107C	STAIR	F	3' - 0"	7' - 0"	1 3/4"	HM	--	HM	PNT-4	--	6/A601	7/A601			
108	VESTIBULE	F	3' - 0"	7' - 0"	1 3/4"	HM	--	HM	PNT-4	--	6/A601	7/A601			
109	CORRIDOR	F	3' - 0"	7' - 0"	1 3/4"	HM	--	HM	PNT-4	--	6/A601	7/A601			
110	CORRIDOR	E	6' - 0"	7' - 0"	1 3/4"	HM	--	HM	PNT-4	--	21/A602 23/A602	24/A602		Y	
111	STORAGE	F	3' - 0"	7' - 0"	1 3/4"	HM	--	HM	PNT-4	--	1/A601	2/A601			
112	MECHANICAL	F	3' - 0"	7' - 0"	1 3/4"	HM	--	HM	PNT-4	--	1/A601	2/A601			
113	TRAINER	F	3' - 0"	7' - 0"	1 3/4"	HM	--	HM	PNT-4	--	1/A601	2/A601			
114	OFFICE	F	3' - 0"	7' - 0"	1 3/4"	HM	--	HM	PNT-4	--	6/A601	7/A601			
200	MEZZANINE	F	3' - 0"	7' - 0"	1 3/4"	HM	--	HM	PNT-4	--	23/A602	24/A602			
201	MEZZANINE	E	6' - 0"	7' - 0"	1 3/4"	HM	--	HM	PNT-4	--	1/A601	2/A601			

FRAME TYPES

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



DOOR TYPES



"T" INDICATES TEMPERED GLASS

DOOR HARDWARE

Hardware Set No.1
Door 100A (Exterior Double Alum doors in storefront frame)

1	EA	Continuous Hinge-661HD/662HD	626 BES
1	EA	Continuous Hinge-661HD/662HD x EPT	626 BES
1	EA	Panic Device QEL-3327A-LBR-LD	626 VON
1	EA	Panic Device 3327A-LBR-LD-EO	626 VON
1	EA	Power Transfer-EPT-12-C	626 BES
1	Set	Door Pulls-By door manufacturer	626
1	EA	Closer EHD9016-DS90	626 BES
1	EA	Automatic Operator 4820	695 LCN
1	EA	Push Plate-wall 4.75" Square 8310-853T	630 LCN
1	EA	Jamb mtd actuator 8310-818T	630 LCN
1	EA	Threshold 896N	MIL NGP
1	EA	Cylinder	626
1	EA	Core	
2	EA	Top Strike	630
1	EA	Astragal-By door manufacturer	
1	EA	Weatherstrip kit-By door manufacturer	
1	EA	Door Sweep 200N	MIL NGP
1	EA	Position switch	
1	EA	Card reader	By Owner
1	EA	Power Supply	

Note: Card Reader to provide 2 sets of unlock contacts.
Operation: Swiping a valid card at the card reader will unlock the door and enable the exterior wall actuator. Activating the exterior wall actuator when enabled will cause the automatic operator to open (interior actuator is always enabled). Free egress at all times.

Hardware Set No.2
Door 100B (Interior double aluminum doors at vestibule)

2	EA	Continuous Hinge-661HD/662HD	626 BES
2	SET	Push / Pull set-By door manufacturer	626
1	EA	Automatic Operator 4820	695 LCN
1	EA	Push Plate-wall 4.75" Square 8310-853T	630 LCN
1	EA	Jamb mtd actuator 8310-818T	630 LCN
1	EA	Closer EHD9016-DST90	626 BES
1	EA	Floor stop 442	630 ROC
1	EA	Threshold-425	MIL NGP

Hardware Set No.3
Doors 102, 103, 108, 109 (Restrooms, locker rooms - HM doors in HM frame.)

1	EA	Continuous Hinge-661HD/662HD	626 BES
1	EA	Push Pull set	630
1	EA	Closer with EHD9016-DST90	626 BES
1	EA	Deadbolt 8T2/8T3-7-M-8TS4	626 BES
1	EA	Wall stop 406	630 ROC
2	EA	Kickplate	630

Hardware Set No.4
Door 101 (Base Bid exterior-- HM double door in HM frame)

2	EA	Continuous Hinge-661HD/662HD	626 BES
2	EA	Panic Device 3327A-LBR-LD-EO	626 VON
2	Set	Door Pulls-By door manufacturer	626
1	EA	Closer EHD9016-DS90	626 BES
1	EA	Threshold 896N	MIL NG
2	EA	Top Strike	630
1	SET	Astragal-By 115N	MIL NGP
2	EA	Jamb seal 160S	MIL NGP
1	EA	Head seal 160S	MIL NGP
1	EA	Door Sweep 200N	MIL NG

Hardware Set No.5
Door 101 (Alternate G-1 – HM double door in HM frame)

1	EA	Continuous Hinge-661HD/662HD	626 BES
1	EA	Continuous Hinge-661HD/662HD x EPT	626 BES
1	EA	Panic Device QEL-3327A-LBR-LD-NLOP	626 VON
1	EA	Panic Device 3327A-LBR-LD-DT	626 VON
1	EA	Power Transfer-EPT-12-C	630 BES
2	EA	Closer EHD9016-DS90	626 BES
1	EA	Cylinder	626
1	EA	Core	
2	EA	Top Strike	630
1	SET	Astragal-By 115N	MIL NGP
1	EA	Door Sweep 200N	MIL NG
1	EA	Position switch	
1	EA	Card reader - By Owner	
1	EA	Power Supply	

Note: Card Reader to provide 2 sets of unlock contacts.
Operation: Swiping a valid card at the card reader will unlock the active door. Free egress at all times.

Hardware Set No.6
Door 104 (Concessions - Interior HM door in HM frame)

3	PR	BB Butt hinges – heavy duty	630
1	EA	Mortise lockset – 45HW-DEU-14H	626
1	EA	Closer EHD9016-DS90	626 BES
1	EA	Cylinder	
1	EA	Core	
1	EA	Card reader - By Owner	
1	EA	Power Supply	
1	EA	Power Transfer-EPT-12-C	626 BES
1	EA	Position switch	

Hardware Set No. 7
Door 105B (HM double gym door in HM frame)

1	EA	Continuous Hinge-661HD/662HD	626 BES
1	EA	Continuous Hinge-661HD/662HD x EPT	626 BES
1	EA	Panic Device QEL-3327A-LBR-LD-NLOP	626 VON
1	EA	Panic Device 3327A-LBR-LD-DT	626 VON
1	EA	Power Transfer-EPT-12-C	630 BES
2	EA	Closer EHD9016-DS90	626 BES
1	EA	Cylinder	626
1	EA	Core	
2	EA	Top Strike	630
1	EA	Position switch	
1	EA	Card reader - By Owner	
1	EA	Power Supply	

Note: Card Reader to provide 2 sets of unlock contacts.
Operation: Swiping a valid card at the card reader will unlock the active door. Free egress at all times.
.

Hardware Set No. 8
(Door 106 -- Interior double door – storage room.

6	PR	BB-Butt Hinges-Heavy Duty	626 BES
1	EA	Storeroom Lockset 45H-7D-14H	626 BES
1	EA	Cylinder	626 BES
1	EA	Core	
1	EA	Astragal 550	630 NGP
2	EA	Manual Flush Bolt 3913/3915 (top and bottom)	630 TRM
1	EA	Dust Proof Strike 3910	630 TRM
2	EA	Closer EHD9016-DST90	626 BES
1	EA	Coordinator 576	630 ROC
4	EA	Kick Plate	630

Hardware Set No.9
(Doors 105A, 108A – Exterior HM door in HM frame)

1	EA	Continuous Hinge-661HD/662HD x EPT	626 BES
1	EA	Rim Panic Device QEL-3527A-NL-OP-LD	626 VON
1	EA	Power Transfer-EPT-12-C	630 BES
1	EA	Cylinder	626
1	EA	Core	
1	EA	Closer EHD9016-DS90	626 BES
1	EA	Door Position Switch	
1	EA	Card Reader – By Owner	
1	EA	Power Supply	
1	EA	Threshold 896N	MIL NGP
2	EA	Jamb seal 160S	MIL NGP
1	EA	Head seal 160S	MIL NGP
1	EA	Door Sweep 200N	MIL NGP
1	EA	Drip Cap 16A	628 NGP

Note: Card Reader to provide 2 sets of unlock contacts.
Operation: Door is normally locked from the exterior. Swiping a valid card at the card reader will unlock the door.

Hardware Set No.10
Door 110 (Exterior Double HM doors in HM frame)

1	EA	Continuous Hinge-661HD/662HD	626 BES
1	EA	Continuous Hinge-661HD/662HD x EPT	626 BES
1	EA	Panic Device QEL-3327A-LBR-LD	626 VON
1	EA	Panic Device 3327A-LBR-LD-EO	626 VON
1	EA	Power Transfer-EPT-12-C	630 BES
2	EA	Closer EHD9016-DS90	626 BES
1	EA	Threshold 896N	MIL NGP
1	EA	Cylinder	626
1	EA	Core	
2	EA	Top Strike	630
1	SET	Astragal 115N	MIL NGP
2	EA	Jamb seal 160S	MIL NGP
1	EA	Head seal 160S	MIL NGP
1	EA	Door Sweep 200N	MIL NGP
1	EA	Drip Cap 16A	628 NGP
1	EA	Position switch	
1	EA	Card reader - By Owner	
1	EA	Power Supply	

Note: Card Reader to provide 2 sets of unlock contacts.
Operation: Swiping a valid card at the card reader will unlock the active door. Free egress at all times.

Hardware Set No.11
Door 111, 112 (Storage room door – HM door in HM frame)

3	PR	BB Butt hinges – heavy duty	630
1	EA	Mortise lockset – storage function	626
1	EA	Closer with EHD9016-DST90	626
1	EA	Cylinder	626
1	EA	Core	
2	EA	Kickplate	630

Hardware Set No.12
Door 113, 114 (Office door – HM door in HM frame)

3	PR	BB Butt hinges – heavy duty	630
1	EA	Mortise lockset – Office F20	626
1	EA	Cylinder	626
1	EA	Core	
1	EA	Wall stop 406	626 ROC
1	EA	Kickplate	630

Hardware Set No.13
Door 107C (Interior egress door at stair – HM door in HM frame)

3	PR	BB Butt hinges – heavy duty	626
1	EA	RIM Panic Device QEL-33A-LD-NLOP	626 VON
1	EA	Closer EHD9016-DS90	626 BES
1	EA	Cylinder	626
1	EA	Core	
1	EA	Kickplate	630
1	EA	Wall stop 406	630
1	EA	Position switch	
1	EA	Card reader - By Owner	
1	EA	Power Supply	

Hardware Set No.14
Door 200 (Exterior egress door at mezzanine – HM door in HM frame)
Door 120 (Exterior egress door from alternate weight room - HM door in HM frame) - Alternate G-1

3	PR	BB Butt hinges – heavy duty	630
1	EA	RIM Panic Device 33A-LD-EO	626 VON
1	EA	Closer EHD9016-DS90	626 BES
1	EA	Threshold 896N	MIL NGP
2	EA	Jamb seal 160S	MIL NGP
1	EA	Head seal 160S	MIL NGP
1	EA	Door Sweep 200N	MIL NGP
1	EA	Drip Cap 16A	628 NGP

Hardware Set No.15
Door 107B (Interior egress door at gym – HM door in HM frame)

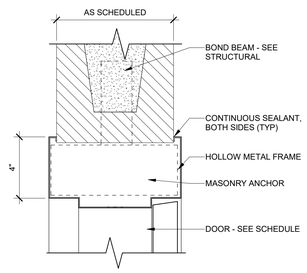
3	PR	BB Butt hinges – heavy duty	630
1	EA	RIM Panic Device 33A-LD-L	626 VON
1	EA	Closer with EHD9016-DST90	626
1	EA	Cylinder	626
1	EA	Core	
2	EA	Kickplate	630

GENERAL DOOR SCHEDULE NOTES

A. DOUBLE STUDS AT ALL DOOR OPENINGS.

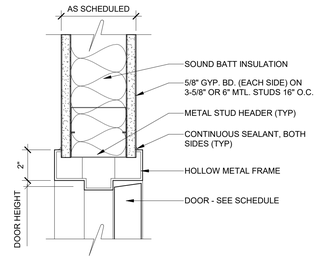
B. SEAL JOINTS BETWEEN FINISH MATERIAL AND FRAME AT BOTTOM OF DOOR FRAMES.

C. CONTRACTOR TO VERIFY ALL FLOOR TO FLOOR TRANSITIONS THROUGHOUT BUILDING. FLOOR MATERIAL CHANGES OCCOUR AT CENTERLINE OF DOOR.



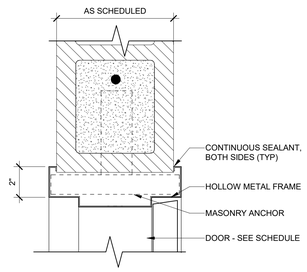
7 HM DOOR HEAD @ CMU WALL

SCALE | 3" = 1'-0"



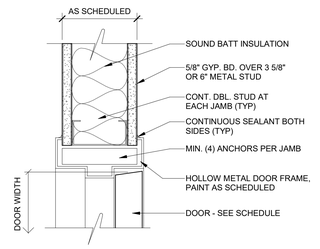
2 HM DOOR HEAD @ INTERIOR WALL

SCALE | 3" = 1'-0"



6 HM DOOR JAMB @ CMU WALL

SCALE | 3" = 1'-0"



JAMB

1 HM DOOR JAMB @ INTERIOR WALL

SCALE | 3" = 1'-0"

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STATE OF OHIO
MARK C. WISEMAN
13215
REGISTERED ARCHITECT
Mark C. Wiseman, License #13215
Expiration Date 12/31/2027

REVISIONS :

Number	Description	Date

PRINTINGS :
CONSTRUCTION DOCUMENTS / PERMIT SET 07.06.2026

CONSULTANTS

BRADFORD EVSD

ATHLETIC FACILITY

760 Railroad Ave, Bradford, OH 45308

PROJECT NO: **26S401.00**
CHECKED BY: **MH**
DRAWN BY: **DG**
DATE: **07.06.2026**

LEVIN PORTER ARCHITECTS
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Levin Porter Associates Inc. dba Levin Porter Architects

DOOR SCHEDULE, TYPES, AND DETAILS

A601

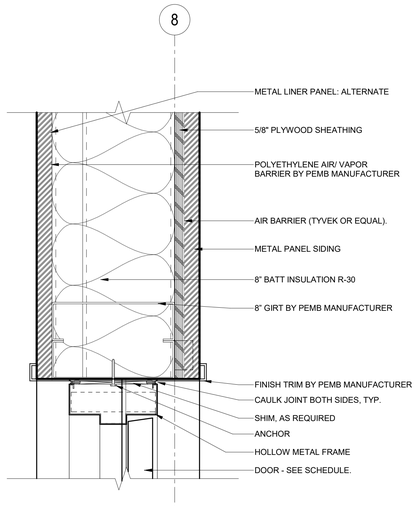
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GENERAL DOOR SCHEDULE NOTES

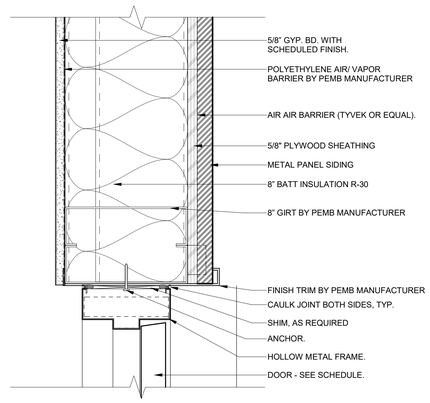
A. DOUBLE STUDS AT ALL DOOR OPENINGS.

B. SEAL JOINTS BETWEEN FINISH MATERIAL AND FRAME AT BOTTOM OF DOOR FRAMES.

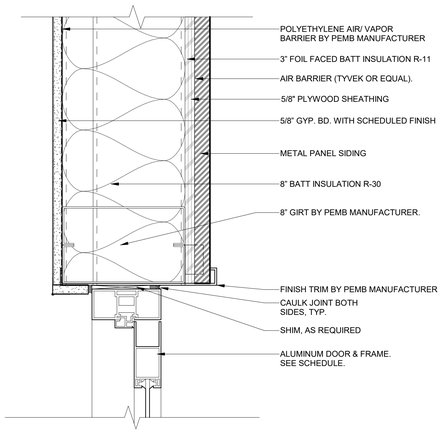
C. CONTRACTOR TO VERIFY ALL FLOOR TO FLOOR TRANSITIONS THROUGHOUT BUILDING. FLOOR MATERIAL CHANGES OCCOUR AT CENTERLINE OF DOOR.



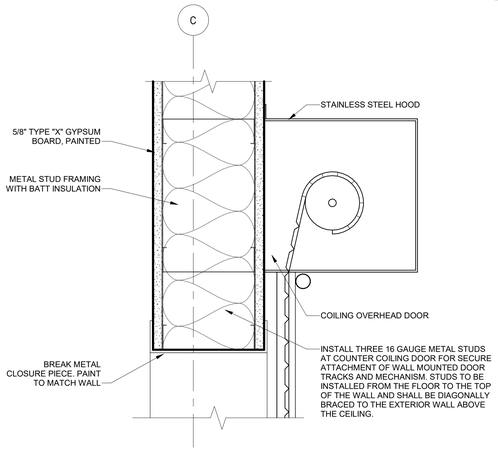
24 HM DOOR HEAD @ MP & MP
SCALE | 3" = 1'-0"



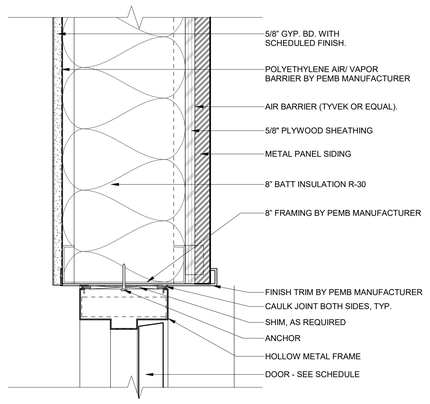
14 HM DOOR HEAD @ GYP & MP
SCALE | 3" = 1'-0"



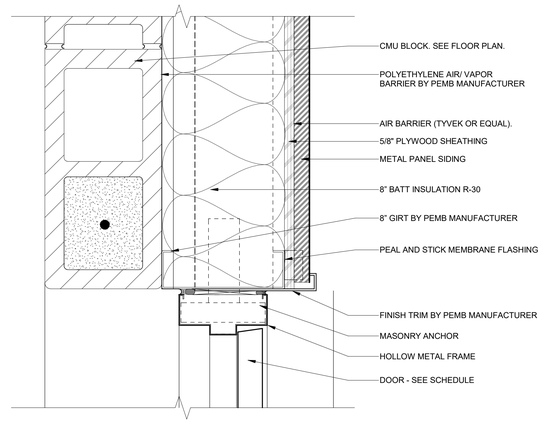
9 ALUM. DOOR HEAD @ GYP & MP
SCALE | 3" = 1'-0"



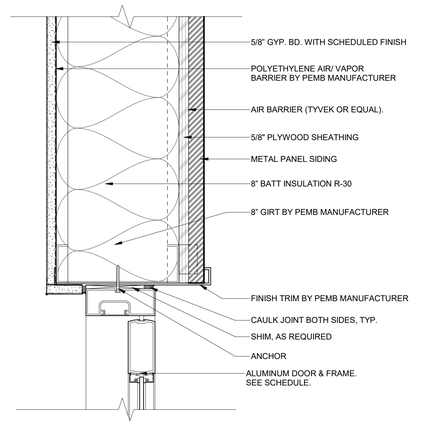
27 COLING DOOR HEAD DETAIL
SCALE | 3" = 1'-0"



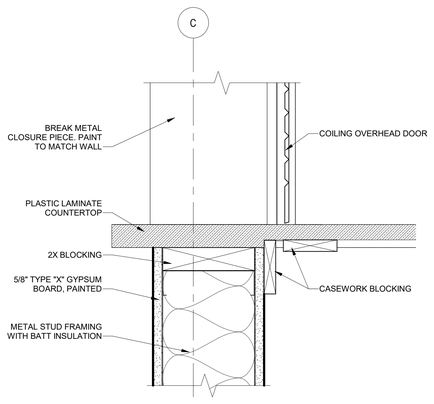
22 HM DOOR JAMB @ GYP & MP
SCALE | 3" = 1'-0"



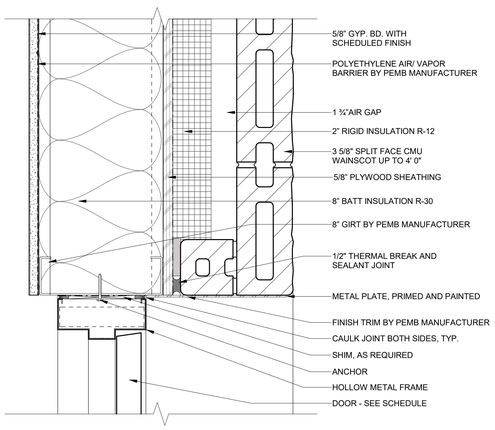
12 HM DOOR JAMB @ CMU & MP
SCALE | 3" = 1'-0"



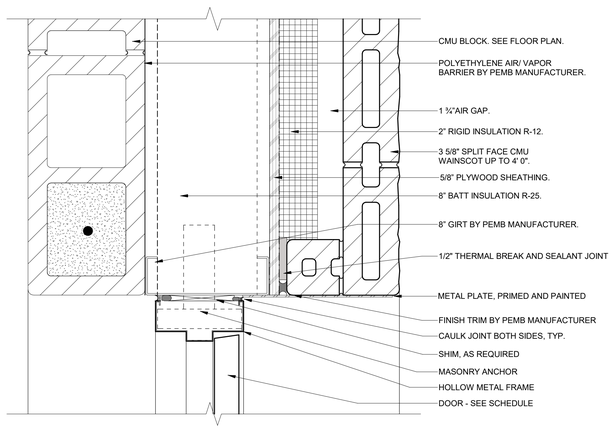
7 ALUM. DOOR JAMB @ GYP & MP
SCALE | 3" = 1'-0"



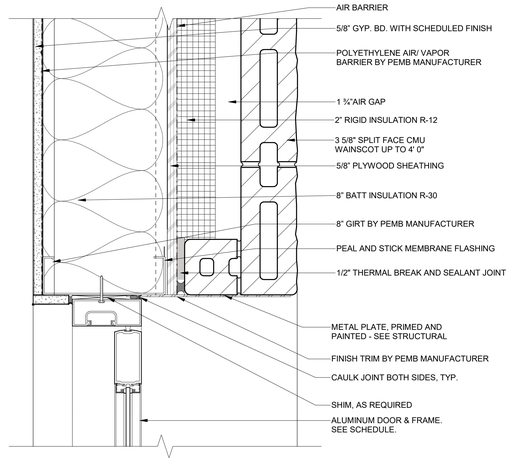
26 COILING DOOR SILL DETAIL
SCALE | 3" = 1'-0"



21 HM DOOR JAMB @ GYP SPLIT FACE
SCALE | 3" = 1'-0"



11 HM DOOR JAMB @ EXTERIOR SPLIT FACE
SCALE | 3" = 1'-0"



6 ALUM. DOOR JAMB @ GYP SPLIT FACE
SCALE | 3" = 1'-0"

7/13/2026 2:03:28 PM

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STATE OF OHIO
MARK C. WISEMAN
13215
REGISTERED ARCHITECT

Mark C. Wiseman, License #13215
Expiration Date 12/31/2027

REVISIONS :

Number	Description	Date

PRINTINGS :

CONSTRUCTION DOCUMENTS / PERMIT SET	07.06.2026

CONSULTANTS

BRADFORD EVSD

ATHLETIC FACILITY

760 Railroad Ave, Bradford, OH 45308

LEVIN PORTER ARCHITECTS
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www.levin-porter.com
Levin Porter Associates Inc. dba Levin Porter Architects

PROJECT NO: 26S401.00 | CHECKED BY: MH | DRAWN BY: DG | DATE: 07.06.2026

DOOR DETAILS

A602

GLAZING LEGEND

GL1 - 1" LOW-E CLEAR INSULATING GLASS.

GL2 - (not used)

GL3 - 1" LOW-E CLEAR INSULATING GLASS WITH FROSTED FILM APPLICATION.

GL4 - 1/4" CLEAR TEMPERED GLASS

SP1 - INSULATED INFILL PANEL

T - TEMPERED GLASS

GENERAL NOTES - STOREFRONT

A. ALL VERTICAL DIMENSIONS ARE FROM TOP OF FINISHED SLAB.

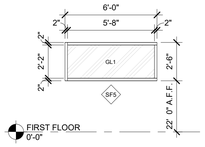
B. SEE SPECIFICATION FOR ALUMINUM WINDOW, STOREFRONT, AND CURTAIN WALL FINISHES.

C. VERIFY ALL CONDITIONS PRIOR TO FABRICATION.

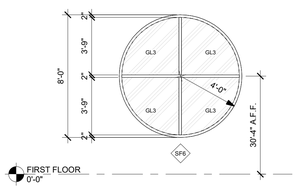
D. ALL CURTAIN WALL MULLIONS ARE TO BE 7.5" X 2.5" U.N.O.

E. ALL STOREFRONT MULLIONS ARE TO BE 4.5" X 2" U.N.O.

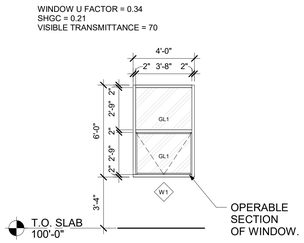
WINDOW U FACTOR = 0.34
SHGC = 0.21
VISIBLE TRANSMITTANCE = 70



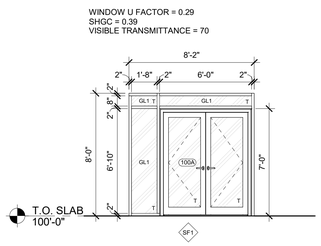
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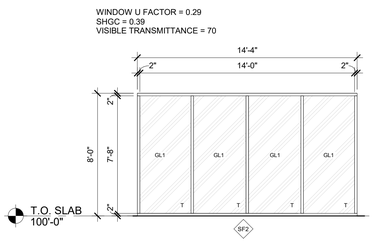
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VISIBLE TRANSMITTANCE = 70



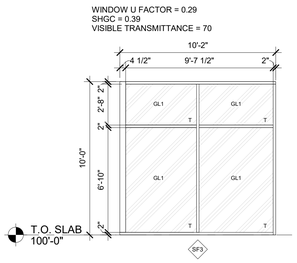
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SHGC = 0.39
VISIBLE TRANSMITTANCE = 70



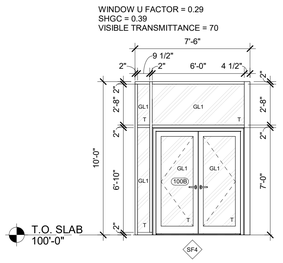
WINDOW U FACTOR = 0.29
SHGC = 0.39
VISIBLE TRANSMITTANCE = 70



WINDOW U FACTOR = 0.29
SHGC = 0.39
VISIBLE TRANSMITTANCE = 70



WINDOW U FACTOR = 0.29
SHGC = 0.39
VISIBLE TRANSMITTANCE = 70



26 EXTERIOR GLAZING ELEVATIONS
SCALE | 1/4" = 1'=0"

16 INTERIOR GLAZING ELEVATIONS
SCALE | 1/4" = 1'=0"

7/13/2026 2:03:29 PM

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STATE OF OHIO
MARK C. WISEMAN
13215
REGISTERED ARCHITECT

Mark C. Wiseman, License #13215
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REVISIONS :

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CONSULTANTS

BRADFORD EVSD

ATHLETIC FACILITY

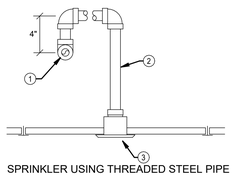
760 Railroad Ave. Bradford, OH 45308

PROJECT NO: **263401.00**
CHECKED BY: **MH**
DRAWN BY: **DG**
DATE: **07.06.2026**

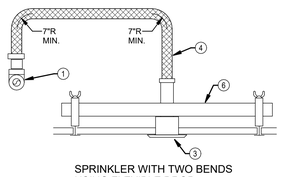
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WINDOW ELEVATIONS

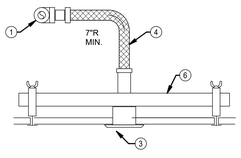
A603



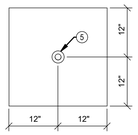
SPRINKLER USING THREADED STEEL PIPE



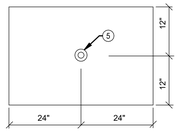
SPRINKLER WITH TWO BENDS USING FLEXIBLE DROP



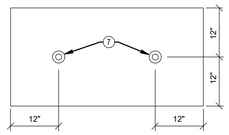
SPRINKLER WITH ONE BEND USING FLEXIBLE DROP



TYPICAL 2'x2' CEILING TILE INSTALLATION



TYPICAL 2'x4' CEILING TILE CENTER INSTALLATION



TYPICAL 2'x4' CEILING TILE QUARTER POINT INSTALLATION

1. SPRINKLER BRANCHLINE.
2. THREADED STEEL PIPE.
3. CONCEALED SPRINKLER HEAD.
4. FLEXIBLE SPRINKLER HOSE.
5. SPRINKLER HEAD MOUNTED IN CENTER OF CEILING TILE.
6. MOUNTING BRACKET PROVIDED WITH FLEXIBLE HOSE.
7. SPRINKLER HEAD MOUNTED AT EITHER QUARTERPOINT OF CEILING TILE.

GENERAL NOTES:

FLEXIBLE HOSES SHALL BE CONSTRUCTED WITH ANNULAR CORRUGATIONS. HELICAL CORRUGATIONS ARE NOT ACCEPTABLE.

FLEXIBLE SPRINKLER PIPING SHALL BE 36" MAXIMUM AND MEET UL STANDARDS FOR MINIMUM BEND RADIUS AND MAXIMUM NUMBER OF BENDS.

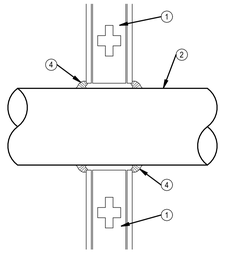
ONE BEND IS EQUAL TO ONE 90° DEGREE CHANGE IN PIPING DIRECTION.

TWO BENDS ARE EQUAL TO TWO 90° DEGREE, TOTAL OF 180° CHANGE IN PIPE DIRECTION.

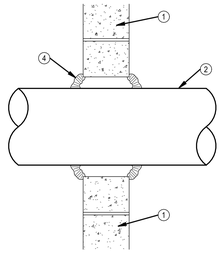
REFER TO FLEXIBLE HOSE MANUFACTURERS SPECIFICATION FOR THE ALLOWABLE NUMBER OF BENDS IN PROVIDED LENGTHS OF FLEXIBLE HOSES.

THE FIRE SUPPRESSION CONTRACTOR IS RESPONSIBLE FOR COORDINATING SPRINKLER PIPING BRANCH RUNS TO ALLOW FOR INSTALLATION OF FLEXIBLE HOSES TO UL STANDARDS.

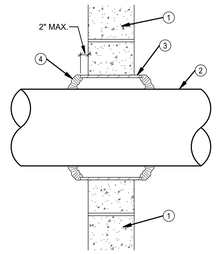
3 SPRINKLER HEAD FINAL CONNECTIONS
N.T.S.



GYPSUM CONSTRUCTION
ALL PIPE SIZES



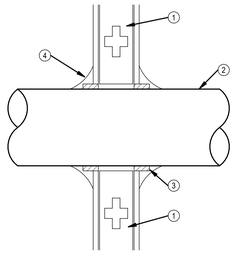
CONCRETE/MASONRY CONSTRUCTION
1/2" - 1.5" PIPES



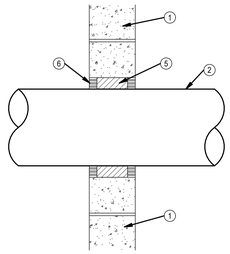
CONCRETE/MASONRY CONSTRUCTION
2" AND LARGER PIPES

1. FULL HEIGHT INTERIOR WALL.
2. PIPE OR TUBING.
3. SCHEDULE 40 STEEL PIPE SLEEVE CAST OR GROUTED INTO WALL ASSEMBLY. ENDS FLUSH OR MAX. 2" BEYOND WALL SURFACE.
4. CAULK TO FILL VOID AT WALL/SLEEVE OPENING TO PREVENT THE PASSAGE OF SMOKE.

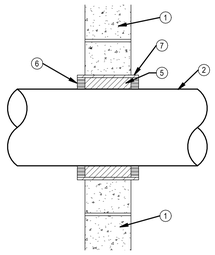
2 PIPE PENETRATIONS THRU NON-RATED WALLS
N.T.S.



GYPSUM CONSTRUCTION
ALL PIPE SIZES



CONCRETE/MASONRY CONSTRUCTION
1/2" - 1.5" PIPES



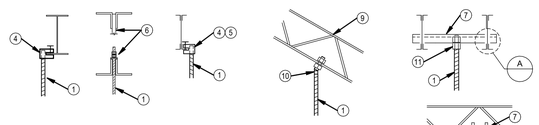
CONCRETE/MASONRY CONSTRUCTION
2" AND LARGER PIPES

FIRESTOPPING MATERIALS/INSTALLATION

- MANUFACTURERS: 3M FIRE PROTECTION PRODUCTS, HILTI FIRESTOP SYSTEMS
- FIRESTOPPING MATERIAL INSTALLATION SHALL BE PER THE MANUFACTURERS DETAILED INSTALLATION DIAGRAMS AND INSTRUCTIONS.
- F-RATING OF PENETRATION SHALL BE NO LESS THAN THE FIRE RATING OF THE WALL.
- SUBMITTAL SHALL INCLUDE PRODUCT DATA AND DETAILED INSTALLATION SYSTEM DIAGRAMS.

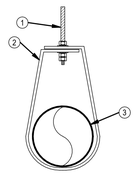
1. RATED WALL ASSEMBLY.
2. METALLIC PIPE OR TUBING.
3. APPROVED FIRESTOPPING VOID/CAVITY MATERIAL.
4. APPROVED FIRESTOPPING CAULK OR SEALANT.
5. PACKING MATERIAL, MINERAL WOOL BATT INSULATION.
6. APPROVED FIRESTOPPING CAULK OR SEALANT FLUSH WITH SURFACE OF WALL OR EDGE OF SLEEVE.
7. SCHEDULE 40 STEEL PIPE SLEEVE CAST OR GROUTED INTO WALL ASSEMBLY. ENDS FLUSH OR MAX. 2" BEYOND WALL SURFACE.

1 PIPE PENETRATIONS THRU FIRE RATED WALLS
N.T.S.



DIRECT ATTACHMENT TO DECKING IS PROHIBITED. PROVIDE SUPPLEMENTAL STEEL ANGLES OR UNISTRUT WHERE REQUIRED FOR PROPER HANGER SPACING OR IN LIEU OF ATTACHMENTS SHOWN.

STEEL JOIST AND BEAM CONSTRUCTION



1. THREADED ROD. ATTACH TO STRUCTURE. PROVIDE DOUBLE NUT. ADJUST NUTS & RODS FOR PROPER ELEVATION.
2. STEEL BAND PIPE HANGER. EQUAL TO ANVIL FIG. 260.
3. PIPE.
4. THREADED ROD UNIVERSAL C-TYPE CLAMP.
5. 2.0" & SMALLER PIPE.
6. 2.5" & LARGER PIPE.
7. UNISTRUT CHANNEL SPANNING TWO JOIST OR BEAMS.
8. GALVANIZED BOLT & NUT.
9. SLOPED STEEL STRUCTURE.
10. SWIVEL ATTACHMENT, AFCON #AF777 OR EQUAL. BENDING THREADED ROD NOT ACCEPTABLE.
11. RETAINING NUT & SQUARE WASHER UTILIZED TO ATTACH THREADED ROD TO UNISTRUT.

4 TYPICAL PIPE HANGER
N.T.S.

FIRE SUPPRESSION PIPING

GENERAL NOTES:

PIPING SHALL CONFORM TO OBC REQUIREMENTS.

PIPING INSTALLATION AND TESTING SHALL COMPLY WITH NFPA 13 (2022 EDITION).

PROVIDE PIPING SLEEVES AT WALLS IN NEW CONSTRUCTION.

PIPING SHALL BE PITCHED FOR DRAINAGE.

PROVIDE DIELECTRIC FITTINGS FOR TRANSITIONS BETWEEN FERROUS AND NON-FERROUS PIPING SYSTEMS.

CLOSE OPEN ENDS OF PIPING DURING CONSTRUCTION.

PIPE AND TUBING SHALL BE CUT AND FABRICATED TO FIELD MEASUREMENTS AND RUN PARALLEL TO NORMAL BUILDING LINES. PIPE INTERIOR SHALL BE CLEANED OF FOREIGN MATTER AND BURRS BEFORE ERECTION OF PIPE.

PIPING SHALL NOT BE RUN ABOVE ELECTRICAL SWITCHGEAR OR PANELBOARDS, NOR ABOVE THE ACCESS SPACE OF SUCH EQUIPMENT - NEC ARTICLE 384.

FLEXIBLE HOSES SHALL BE CONSTRUCTED WITH ANNULAR CORRIGATIONS. HELICAL CORRUGATIONS ARE NOT ACCEPTED.

PIPING SYSTEM	TYPE
FIRE SERVICE PIPING (UNDERGROUND TO BUILDING)	P1
FIRE SUPPRESSION PIPING	S2, S3
WET PIPE SPRINKLER 1 1/2" AND LARGER	S1, S2, S3
WET PIPE SPRINKLER 1 1/4" AND SMALLER	S2
DRY PIPE SPRINKLER 2.5" AND LARGER	S4, S5
DRY PIPE SPRINKLER 2" AND SMALLER	S4
FINAL CONNECTION TO SPRINKLER HEAD	F1, S2
UNDERGROUND PIPING TO FDC	P1

TYPE	DESCRIPTION	TYPE	DESCRIPTION
P1	**PVC AWWA C900 CLASS 200 DR18** BELL AND SPIGOT FABRICATED FITTINGS WITH ELASTROMERIC GASKET, UL1285	S4	**THREADED GALVANIZED STEEL** SCHEDULE 40, ASTM A53 OR ASTM A795, GRAY-IRON THREADED FITTINGS ASME B16.4, CLASS 125, STANDARD PATTERN
S1	**ROLL GROOVED BLACK STEEL** SCHEDULE 10, ASTM A135 OR ASTM A795 MALLEABLE/DUCTILE FITTINGS NITRILE /EPDM GASKETS ASTM A47/A47M OR A536	S5	**ROLL/CUT GROOVED GALVANIZED STEEL** SCHEDULE 40, ASTM A53 OR ASTM A795, MALLEABLE/DUCTILE FITTINGS NITRILE /EPDM GASKETS ASTM A47/A47M OR A536
S2	**THREADED BLACK STEEL** SCHEDULE 40, ASTM A53 OR ASTM A795, 150 LB. MALLEABLE OR C.I. SCREWED FITTINGS	F1	**FLEXIBLE SPRINKLER HOSE FITTING** 36" LENGTH MAXIMUM FULLY STAINLESS STEEL FLEXIBLE HOSE WITH CEILING BRACKET UL 2443 AND FM 1637 175 PSI RATING FOLLOW FM STANDARDS FOR BEND RADIUS AND NUMBER OF BENDS
S3	**ROLL/CUT GROOVED BLACK STEEL** SCHEDULE 40, ASTM A53 OR ASTM A795 MALLEABLE/DUCTILE FITTINGS NITRILE /EPDM GASKETS ASTM A47/A47M OR A536		

GENERAL REQUIREMENTS

1. PROVIDE COMPLETE AND FUNCTIONAL FIRE SUPPRESSION SYSTEMS PER FIRE PLANS INCLUDING FURNISHING, INSTALLING, TESTING AND WARRANTY OF ALL WORK.
2. WORK SHALL BE IN ACCORDANCE WITH THE 2024 OHIO BUILDING AND MECHANICAL CODES INCLUDING REFERENCED CODES AND STANDARDS, ALL FEDERAL AND LOCAL CODES AND ALL APPLICABLE LAWS, ORDINANCES AND REGULATIONS.
3. BIDDERS ON FIRE SUPPRESSION WORK SHALL BE REGULARLY ENGAGED IN SPRINKLER SYSTEM WORK AND BE CERTIFIED BY THE STATE.
4. WORK SHALL BE PERFORMED USING BEST QUALITY INSTALLATION PRACTICE BY A QUALIFIED TRADE CONTRACTOR AND THEIR QUALIFIED SUBCONTRACTORS. ALL CONTRACTORS SHALL BE LICENSED AND BE BONDED FOR THE WORK.
5. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH OSHA AND OWNER SAFETY STANDARDS AND PRACTICES. ALL ON SITE PERSONNEL SHALL BE SAFETY TRAINED AND OWNER CERTIFIED.
6. OBTAIN REQUIRED PERMITS RELATED TO THE WORK AND PAY ALL PERMIT AND INSPECTION FEES.
7. THE AUTHORITY HAVING JURISDICTION SHALL INSPECT AND APPROVE ALL WORK. PROVIDE A FINAL CERTIFICATE OF APPROVAL FROM THE AUTHORITY HAVING JURISDICTION AND PRESENT TO THE OWNER BEFORE REQUESTING FINAL PAYMENT AND RELEASE OF RETAINAGE.
8. PERFORM A FLOW TEST TO SERVE AS THE BASIS FOR HYDRAULIC CALCULATIONS. DEVELOP HYDRAULIC CALCULATIONS AND INSTALLATION DRAWINGS NEEDED TO OBTAIN APPROVAL FROM AUTHORITY HAVING JURISDICTION. CALCULATIONS SHALL INCLUDE A 10% SAFETY FACTOR.
9. PROTECT ALL FURNISHED MATERIAL AND EQUIPMENT FROM THEFT AND DETERIORATION OR CONTAMINATION DUE TO WEATHER OR CONSTRUCTION ACTIVITIES.
10. PROTECT OWNER'S PROPERTY AND PROPERTY OF OTHER CONTRACTORS.
11. REMOVE ALL CONSTRUCTION DEBRIS FROM SITE. RECYCLE DEBRIS WHERE POSSIBLE. DISPOSE OF ALL HAZARDOUS MATERIAL IN ACCORDANCE WITH ENVIRONMENTAL LAWS.
12. PROVIDE ALL CUTTING AND PATCHING REQUIRED TO INSTALL MATERIAL AND EQUIPMENT.
13. PROVIDE APPROPRIATE FIRESTOPPING SYSTEM FOR ANNULAR SPACE OPENINGS AROUND PIPE PENETRATIONS THROUGH FIRE RESISTANCE RATED CONSTRUCTION. ANNULAR SPACE OPENINGS AT PIPE PENETRATIONS IN NON RATED CONSTRUCTION TO BE CLOSED AIR AND WATER TIGHT.
14. MATERIALS AND EQUIPMENT SHALL BE ONE OF THE BRAND OR MANUFACTURERS LISTED OR AN APPROVED EQUAL.
15. LOCAL SPRINKLER ALARM AND REMOTE ALARM AND SUPERVISION SHALL BE THRU THE FIRE ALARM SYSTEM PROVIDED BY THE E.C.
16. ELECTRONIC SHOP DRAWINGS SHALL BE PROVIDED IN .PDF FORMAT FOR THE ENGINEER'S APPROVAL FOR ALL MATERIALS AND EQUIPMENT. SHOP DRAWINGS SHALL BE SPECIFICALLY EDITED TO ELIMINATE SUPERFLUOUS INFORMATION AND SHALL CLEARLY SHOW SPECIFICS FOR THE MATERIAL AND EQUIPMENT PROVIDED.
17. COORDINATE INSTALLATION OF ACTUAL EQUIPMENT AND SYSTEMS PROVIDED WITH OTHER TRADES AND NEW OR EXISTING CONDITIONS.
18. INSTALL ALL MATERIALS AND EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS.
19. INSTALL ALL MATERIAL AND EQUIPMENT TO PROVIDE REQUIRED CLEARANCES TO MEET CODE REQUIREMENTS, MANUFACTURER 'S RECOMMENDATIONS AND MAINTENANCE SERVICE.
20. ALL WORK AREAS SHALL BE CLEANED TO MATCH ORIGINAL CONDITION.
21. MAINTAIN RECORD DRAWINGS AND PROVIDE TO THE OWNER OR HIS AGENT.
22. PROVIDE TWO (2) BOUND, PAPER COPIES OF ALL OPERATING AND MAINTENANCE MANUALS. PROVIDE AN ELECTRONIC COPY OF THE OPERATING AND MAINTENANCE MANUAL.
23. PROVIDE WARRANTY FOR ALL WORKMANSHIP, EQUIPMENT AND MATERIAL. WARRANTY SHALL BE 1 YEAR FOR PARTS AND LABOR. PROVIDE EXTENDED WARRANTY PERIOD FOR PARTS AND/OR LABOR AS IDENTIFIED OR AS STANDARD FOR CERTAIN ITEMS OF EQUIPMENT.

GENERAL NOTES

A. PROVIDE A COMPLETE SPRINKLER SYSTEM THROUGHOUT THE BUILDING. BUILDING SHALL BE CONSIDERED FULLY SUPPRESSED AT COMPLETION OF PROJECT.

B. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2024 VERSION OF THE OHIO BUILDING CODE, INCLUDING REFERENCED CODES AND STANDARDS.

C. ALL FIRE SUPPRESSION EQUIPMENT SHALL BE UL LISTED FOR FIRE SUPPRESSION SERVICE.

D. ALL FIRE SUPPRESSION SYSTEMS (SERVICE MAIN, FIRE DEPT. CONNECTION, SPRINKLER SYSTEM, INSPECTOR TEST, DRAIN, ETC.) SHALL BE HYDROSTATICALLY TESTED AT 200 PSI FOR 2 HOURS WITH NO VISIBLE LEAKAGE. ALL CONCEALED PIPING SHALL BE AIR TESTED, WITH NO LEAKAGE, PRIOR TO FILLING SYSTEM WITH WATER. THE FIRE PROTECTION CONTRACTOR SHALL NOTIFY ALL AUTHORITIES HAVING JURISDICTION 24 HOURS PRIOR TO THE TEST TO ALLOW AHJ TO WITNESS ALL TESTS.

E. ALL VALVES CONTROLLING WATER SUPPLIES SHALL BE PROVIDED WITH TAMPER SWITCHES (SEE NOTE F).

F. THE FIRE SPRINKLER SYSTEM SHALL BE SUPERVISED BY AN APPROVED CENTRAL STATION FIRE ALARM SYSTEM IN ACCORDANCE WITH O.B.C. AND N.F.P.A 72.

G. THE FIRE SUPPRESSION CONTRACTOR SHALL COORDINATE WIRING OF ELECTRICAL FIRE SUPPRESSION DEVICES AND EQUIPMENT WITH THE ELECTRICAL AND/OR FIRE ALARM CONTRACTOR. ALL FIRE ALARM WIRING BY ELECTRICAL CONTRACTOR. ALL DEVICES SHALL BE FURNISHED AND INSTALLED BY THE FIRE SUPPRESSION CONTRACTOR.

H. THE FIRE SUPPRESSION CONTRACTOR SHALL COORDINATE THE LAYOUT OF THE FIRE SUPPRESSION SYSTEM WITH ALL TRADES PRIOR TO INSTALLATION.

I. THE FIRE SUPPRESSION CONTRACTOR SHALL CENTER (WITHIN 1") ALL CONCEALED SPRINKLER HEADS INSTALLED IN ACOUSTICAL LAY-IN CEILING TILES. ALL PENDENT SPRINKLER HEADS IN CEILINGS SHALL BE SYMMETRICAL WITH LIGHTING AND AIR DEVICES.

J. VERIFY THE LOCATION AND TYPE OF FIRE DEPARTMENT CONNECTION WITH THE FIRE DEPARTMENT.

K. LOCAL SPRINKLER ALARM AND REMOTE ALARM AND SUPERVISION SHALL BE THRU THE FIRE ALARM SYSTEM PROVIDED BY THE E.C.

L. FINAL APPROVAL IS SUBJECT TO ACCEPTANCE AND TESTING BY ALL AHJ.

DESIGN CRITERIA

1. DESIGN AND INSTALLATION OF SERVICE MAIN AND WET PIPE SPRINKLER SYSTEM SHALL COMPLY WITH THE REQUIREMENTS OF THE 2024 OHIO BUILDING CODE, N.F.P.A. 13 (2022 EDITION), AND ALL AUTHORITIES HAVING JURISDICTION (AHJ).
2. WORKING PLANS AND HYDRAULIC CALCULATIONS SHALL BE PREPARED, SUBMITTED, AND APPROVED PRIOR TO INSTALLATION, BY THE FIRE SUPPRESSION CONTRACTOR. PLANS SHALL INCLUDE ALL ITEMS LISTED IN N.F.P.A. 13.
3. WATER SUPPLY DATA: THE FIRE SUPPRESSION CONTRACTOR IS RESPONSIBLE FOR CONDUCTING A FLOW TEST TO OBTAIN CURRENT WATER SUPPLY DATA FROM THE NEW WATER DISTRIBUTION SYSTEM FOR USE IN THE HYDRAULIC CALCULATIONS.
4. HYDRAULIC DESIGN CRITERIA FOR LIGHT HAZARD AREAS: (ALL AREAS EXCEPT WHERE NOTED OTHERWISE)
   - DENSITY: 0.10 GPM/SQ.FT.
   - DESIGN AREA: MOST DEMANDING 1500 SQ.FT. (REDUCTION WITH QUICK RESPONSE HEADS PERMITTED)
   - MAX. SPRINKLER COVERAGE: 130 SQ. FT./HEAD
   - HOSE DEMAND: 100 GPM
   - DURATION: 30 MINUTES
5. HYDRAULIC DESIGN CRITERIA FOR ORDINARY HAZARD (GROUP 1) AREAS: (STORAGE ROOMS, MECHANICAL ROOMS, JANITOR'S ROOMS, KITCHEN, COMMUNICATION ROOMS)
   - DENSITY: 0.15 GPM/SQ.FT.
   - DESIGN AREA: MOST DEMANDING 1500 SQ.FT.
   - MAX. SPRINKLER COVERAGE: 130 SQ. FT./HEAD
   - HOSE DEMAND: 250 GPM
   - DURATION: 60 MINUTES
6. HYDRAULIC DESIGN CRITERIA FOR ORDINARY HAZARD (GROUP 2) AREAS: (ADD SPECIFIC ROOM).
   - DENSITY: 0.2 GPM/SQ.FT.
   - DESIGN AREA: MOST DEMANDING 1500 SQ.FT.
   - MAX. SPRINKLER COVERAGE: 130 SQ. FT./HEAD
   - HOSE DEMAND: 250 GPM
   - DURATION: 60 MINUTES
7. ALL SPRINKLER HEADS SHALL BE QUICK RESPONSE TYPE.
8. SPRINKLER HEADS IN AREAS WITH FINISHED CEILINGS SHALL BE CONCEALED PENDENT TYPE WITH FLAT PLATE AND WHITE FINISH.
9. SPRINKLER HEADS IN AREAS WITH NO CEILINGS SHALL BE BRASS. SIDEWALL SPRINKLER HEADS MAY ALSO BE USED IN STAIRWELLS WHERE PROPER COVERAGE CAN BE PROVIDED.

GENERAL LEGEND

EC	ELECTRICAL CONTRACTOR.
FC	FIRE PROTECTION CONTRACTOR.
GC	GENERAL CONTRACTOR.
HC	HVAC CONTRACTOR.
PC	PLUMBING CONTRACTOR.
NIC	NOT IN CONTRACT.
AFF	ABOVE FINISHED FLOOR - TO BOTTOM OF ITEM UNLESS INDICATED OTHERWISE IN DRAWING.
(E)	EXISTING.
ES	EQUIPMENT SUPPLIER.
3	NOTE SYMBOL - APPLIES ONLY TO SHEET ON WHICH IS SHOWN.
2	DETAIL NOTE SYMBOL - APPLIES ONLY TO DETAIL ON WHICH IS SHOWN.
H-1	EQUIPMENT REFERENCE SYMBOL. ELECTRICAL CONNECTION REQUIRED.
H-1	EQUIPMENT REFERENCE SYMBOL. NO ELECTRICAL CONNECTION REQUIRED.
123	ROOM NUMBER.
B / H2	DETAIL SYMBOL. DETAIL "B" SHOWN ON SHEET H2.
A / H1	SECTION SYMBOL SECTION "A" DESIGNATION, SHOWN ON SHEET H1.
	CONNECTION, NEW TO EXISTING.
FD1	UP TO SYMBOL UP TO "FD1", SHOWN ON FLOOR ABOVE.
	ITEM TO BE REMOVED.
	EXISTING TO REMAIN.
	NEW ITEM.

FIRE SUPPRESSION

F	FIRE SUPPRESSION SYSTEM
S	SPRINKLER SYSTEM
	GATE VALVE
	VALVE
	VALVE ON RISER
	CHECK VALVE
	SUPERVISED VALVE
FS	FLOW SWITCH
	CAP
	CONNECTION, BOTTOM
	CONNECTION, TOP
	ELBOW, 90°., LONG RADIUS
	ELBOW, 45°.
	ELBOW, TURNED UP
	ELBOW TURNED DOWN
	REDUCER
	UNION
P	PRESSURE GAUGE
	SPRINKLER BEING REMOVED
	PENDANT SPRINKLER
	UPRIGHT SPRINKLER
	SEMI-RECESSED SPRINKLER
	CONCEALED SPRINKLER
	INSTITUTIONAL PENDANT SPRINKLER
	SIDEWALL SPRINKLER

FIRE SUPPRESSION INDEX OF DRAWINGS

SHEET	DRAWING TITLE
F0.1	LEGENDS, SCHEDULES, AND DETAILS
F1.1	FIRST FLOOR FIRE SUPPRESSION
F1.2	MEZZANINE PLAN FIRE SUPPRESSION

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REGISTERED PROFESSIONAL ENGINEER
JEFFREY D. ZELINSKI, LICENSE #63822
EXPIRATION DATE 12/31/2027

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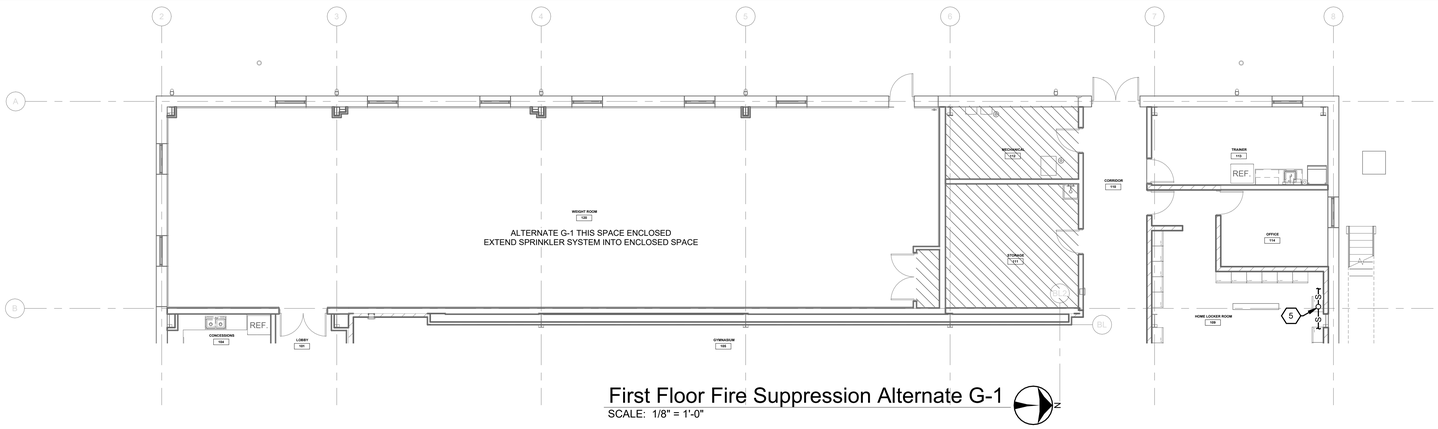
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LEGENDS, SCHEDULES, AND DETAILS

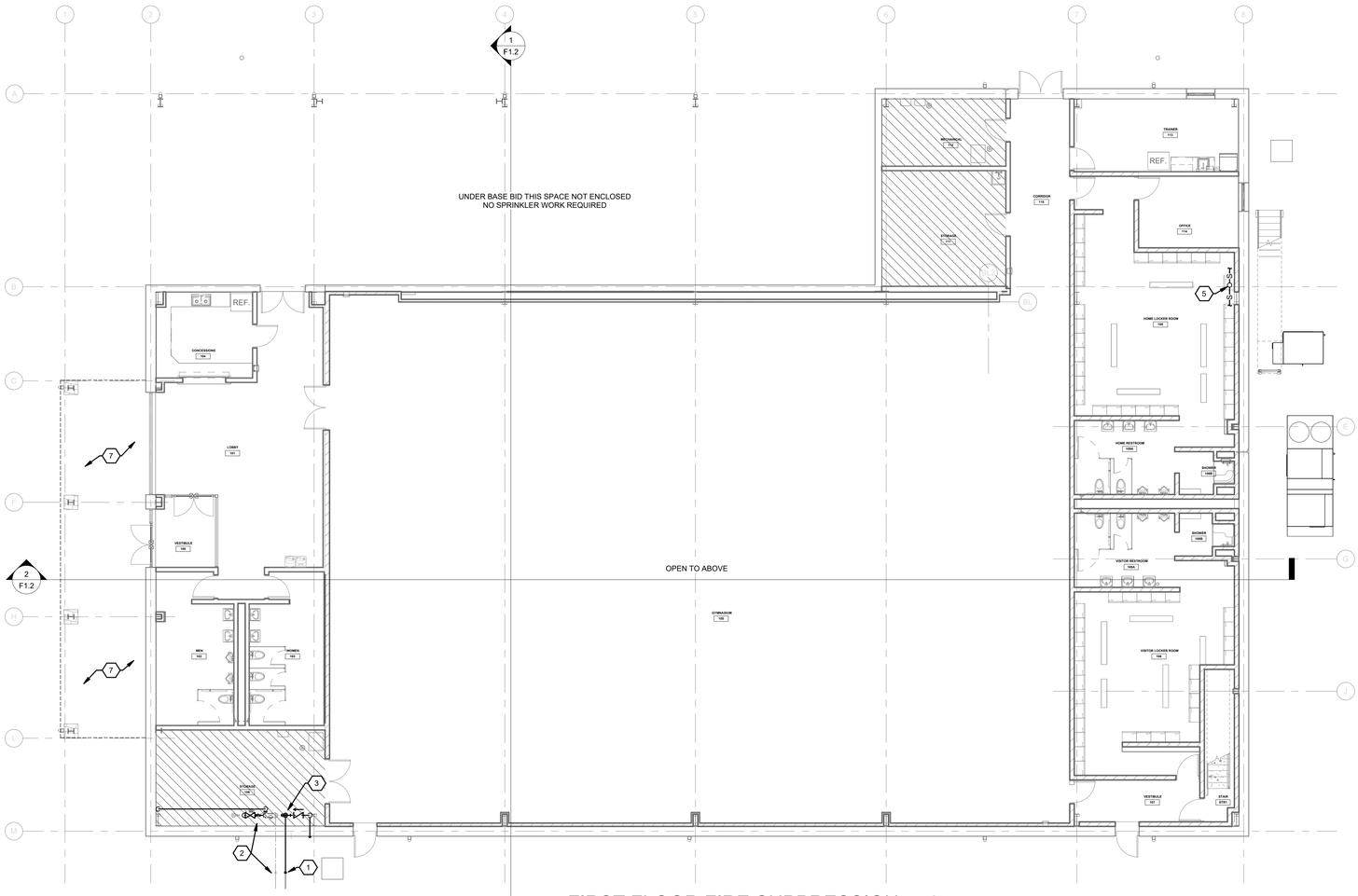
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First Floor Fire Suppression Alternate G-1

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



FIRST FLOOR FIRE SUPPRESSION

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

CONSTRUCTION NOTES

1. CONNECT TO FIRE SERVICE BY SITE UTILITY CONTRACTOR AND EXTEND INTO BUILDING. REFER TO SITE UTILITY DRAWINGS.
2. DOMESTIC WATER SERVICE. REFER TO PLUMBING DRAWINGS AND SITE UTILITY DRAWINGS.
3. FIRE SERVICE REFER TO DETAIL THIS SHEET.
4. FIRE DEPARTMENT CONNECTION. VERIFY TYPE AND LOCATION WITH FIRE AHJ.
5. SPRINKLER PIPING FROM ABOVE TO SERVE ROOMS ON THE NORTH SIDE OF THE GYM.
6. UNDER ALTERNATE G-1 EXTEND SPRINKLER SYSTEM INTO WEIGHT ROOM.
7. COVERED ENTRANCE. NO SPRINKLERS REQUIRED.

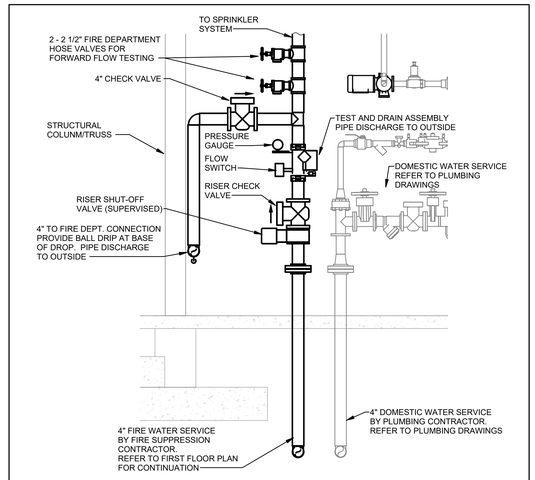
HAZARD CLASSIFICATIONS

NO HATCH

LIGHT HAZARD
DENSITY - 0.10GPM/SP
MAX AREA PER HEAD - 225 SF
HOSE ALLOWANCE - 100 GPM

ORDINARY HAZARD GROUP 1
DENSITY - 0.15GPM/SP
MAX AREA PER HEAD - 130 SF
HOSE ALLOWANCE - 250 GPM

ORDINARY HAZARD GROUP 2
DENSITY - 0.20GPM/SP
MAX AREA PER HEAD - 130 SF
HOSE ALLOWANCE - 250 GPM



1 **FIRE SERVICE ENTRANCE**
N.T.S.

0 4 8 16 24 32 40

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

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REGISTERED ARCHITECT

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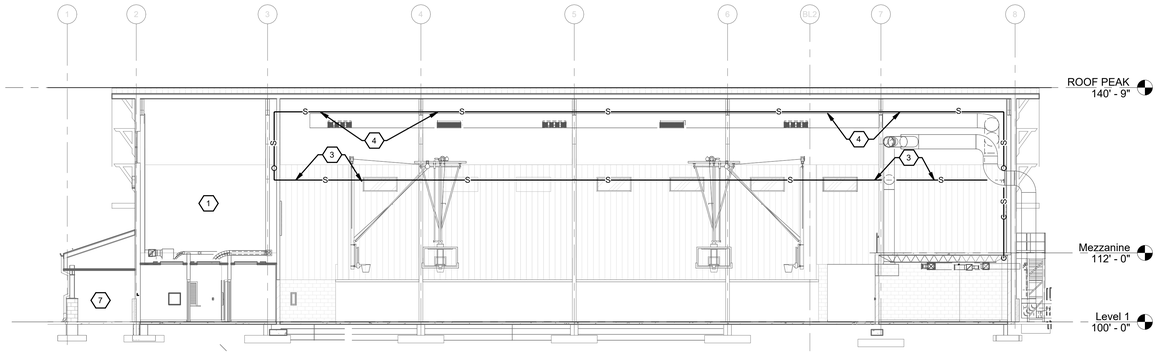
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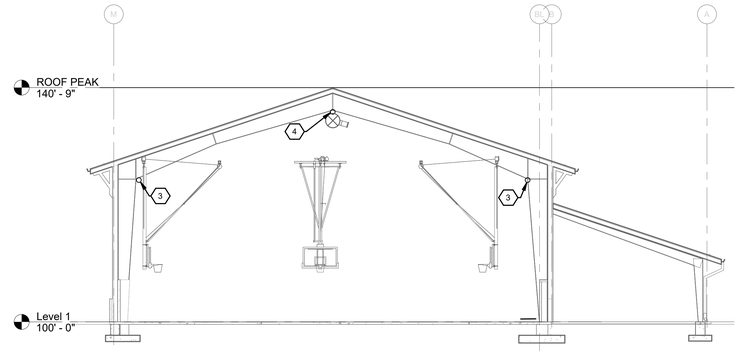
FIRST FLOOR FIRE SUPPRESSION

F1.1

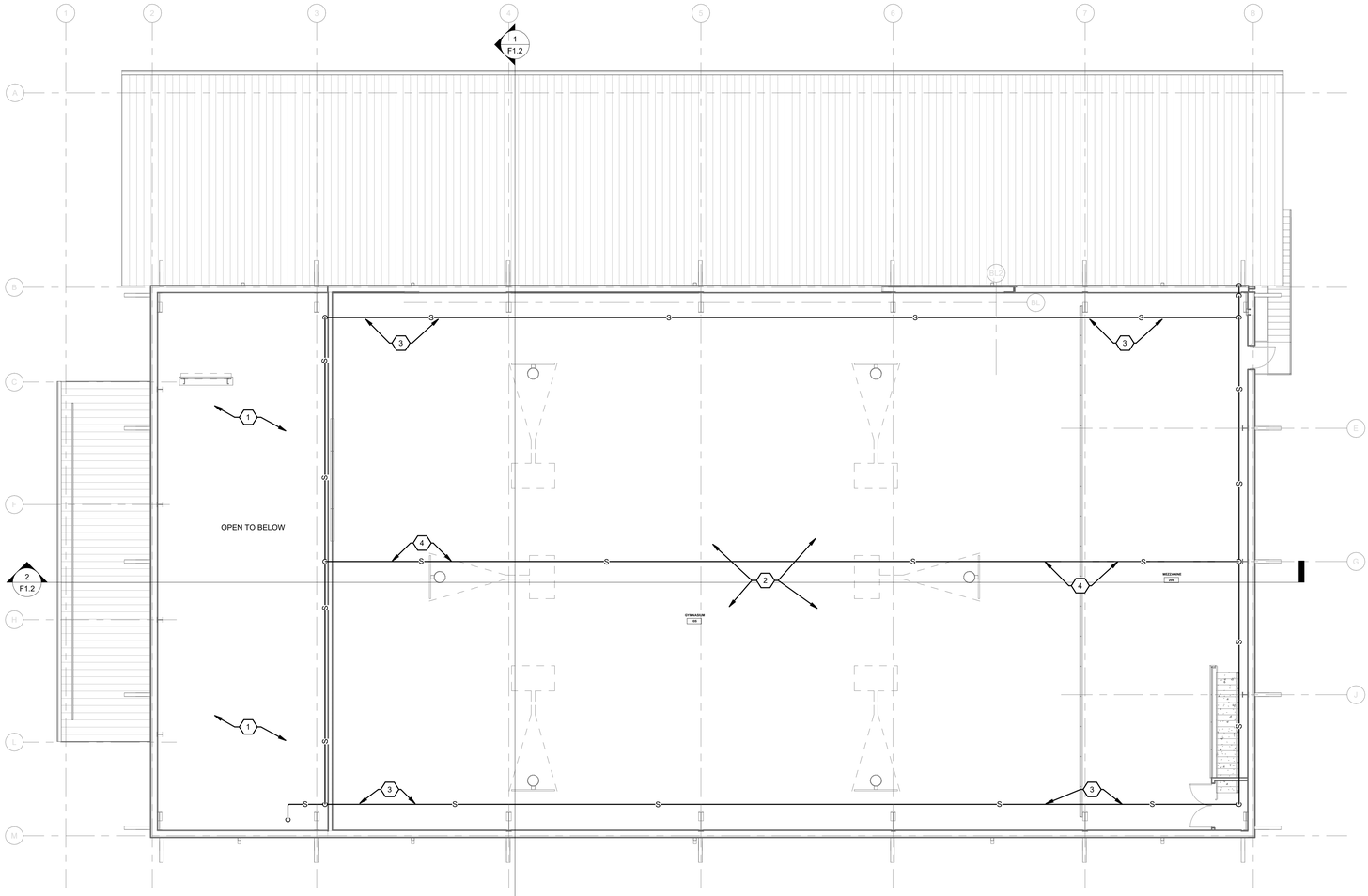
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2 NORTH-SOUTH SECTION
SCALE: 3/32" = 1'-0"



1 EAST -WEST SECTION
SCALE: 3/32" = 1'-0"



UPPER GYM AND MEZZANINE FIRE SUPPRESSION
SCALE: 1/8" = 1'-0"

CONSTRUCTION NOTES

1. CONCEALED AREA (NON-COMBUSTIBLE CONSTRUCTION) ABOVE FIRST FLOOR CEILINGS. NO SPRINKLERS REQUIRED.
2. PROVIDE THE GYM AND MEZZANINE AREAS WITH A GRIDDED SPRINKLER SYSTEM WITH CROSS MAINS ON EITHER SIDE AND IN THE MIDDLE. BRANCH LINES ARE TO RUN ABOVE THE BOTTOM TO THE TRUSS.
3. SPRINKLER CROSS MAIN. RUN PIPING TIGHT TO UNDERSIDE OF STRUCTURAL TRUSS.
4. SPRINKLER CROSS MAIN. RUN PIPING TIGHT TO UNDERSIDE OF STRUCTURAL TRUSS AND ABOVE DUCT.
5. SPRINKLER DROP TO SERVE NORTH SIDE ROOMS. REFER TO FIRST FLOOR PLAN FOR CONTINIATION.

HAZARD CLASSIFICATIONS

NO HATCH

LIGHT HAZARD
DENSITY - 0.10GPM/SP
MAX AREA PER HEAD - 225 SF
HOSE ALLOWANCE - 100 GPM

ORDINARY HAZARD GROUP 1
DENSITY - 0.15GPM/SP
MAX AREA PER HEAD - 130 SF
HOSE ALLOWANCE - 250 GPM

ORDINARY HAZARD GROUP 2
DENSITY - 0.20GPM/SP
MAX AREA PER HEAD - 130 SF
HOSE ALLOWANCE - 250 GPM

0 1 5 10 20 30 40 50
SCALE: 3/32"=1'-0"

0 4 8 16 24 32 40
SCALE: 1/8"=1'-0"

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MEZZANINE PLAN
FIRE SUPPRESSION

F1.2

VALVE SCHEDULE

GENERAL NOTES FOR VALVES:

PIPING SYSTEM	VALVE TYPE					
	BUTTERFLY	BALL	CHECK	GATE	BALANCING	LUB. PLUG
DOMESTIC WATER SERVICE 2" AND LARGER				D18		
DOMESTIC WATER (CW, HW, & HWR) 2" AND SMALLER		B11, B14	C11, C13		E11/E12	
DOMESTIC WATER (CW, HW, & HWR) 2.5" AND LARGER		B14	C12, C14 C16			
INTERIOR NATURAL GAS 3" AND SMALLER		B17				
INTERIOR NATURAL GAS 4" AND LARGER						P11
EXTERIOR NATURAL GAS 2" AND SMALLER		B18				P12
EXTERIOR NATURAL GAS 3" AND LARGER						P11, P12

TYPE	DESCRIPTION	TYPE	DESCRIPTION	TYPE	DESCRIPTION
B11	NIBCO T-585-80-LF, 150 W.S.P., 2 PIECE BRONZE BODY, SCREWED ENDS, BRONZE BALL AND STEM, TFE SEAT AND SEAL, HANDLE. NSF/ASME 61	**C11**	NIBCO T-413-Y-LF, 125 W.S.P., BRONZE BODY, SCREWED ENDS, RENEWABLE BRONZE SWING DISC WITH TFE SEAT RING. NSF 61	**C16**	WATTS SERIES LFWCV, 125 W.S.P. BRONZE BODY, SCREWED ENDS, BRONZE SWING DISC, NSF/ASME 61
B14	APOLLO 70LF-240, 150 WSP, 2 PIECE LEAD-FREE BRONZE BODY, 316 STAINLESS STEEL BALL AND STEM, STANDARD PORT, TEFLON SEAT AND SEAL, HANDLE, NSF/ASME 61	**C12**	NIBCO F-938-33, 285 PSI C.W.P. DUCTILE IRON BODY, STAINLESS STEEL TRIM, FLANGED ENDS, RENEWABLE STAINLESS STEEL SWING DISC AND SEAT RING. NSF/ANSI 61-8	**D18**	KENNEDY KS-FW 8068A, 200 PSI, NSF 61 EPOXY COATED CAST IRON BODY, RESILIENT WEDGE, O.S.& Y., FLANGED ENDS
B17	NIBCO T-FP-600A, 600 PSI NON-SHOCK COLD., 2 PIECE, BRASS BODY, SCREWED ENDS, FULL PORT, BRASS BALL, TFE SEAT, HANDLE. UL LISTED FOR GAS. ASME B16.44	**C13**	NIBCO T-480-Y-LF, 125 W.S.P., IN-LINE SPRING ACTUATED CENTER GUIDED SILENT CHECK, BRONZE BODY, SCREWED ENDS, TFE DISC AND SEAT RING, NSF/ASME 61	**E12**	ADJ. THERMOSTATIC, BALANCE, CALEFFI THERMOSETTER LOW-LEAD BRASS BODY WITH ISOLATION VALVES AND TEMP GAUGE, EPDM SEATS, CALIBRATED NAMEPLATE, HANDLE WITH MEMORY STOP, NSF/ASME 61
B18	NIBCO T-585/(OR 580)-70-UL, 600 PSI NON-SHOCK COLD, 2 PIECE, BRONZE BODY, SCREWED ENDS, FULL PORT, BRASS BALL, TFE SEAT, HANDLE. UL LISTED FOR GAS. ASME B16.33	**C14**	NIBCO F-910-LF 125 W.O.G., IN-LINE SPRING ACTUATED CENTER GUIDED SILENT CHECK, GLOBE STYLE, IRON BODY FOR INSTALLATION BETWEEN FLANGES, BRONZE SEAT AND DISC. NSF/ASME 61	**P11**	NORDSTROM NO. 143, 200 PSI, IRON BODY, ST. ST. STEM, FLANGED ENDS, WRENCH
				P12	NORDSTROM NO. 115, 200 PSI, IRON BODY, ST. ST. STEM, FLANGED ENDS, WRENCH ASME B16.33

PIPE INSULATION SCHEDULE - PLUMBING

SYSTEM & SIZE	INSULATION THICKNESS	TYPE	LOCATION
DOMESTIC COLD WATER 1.5" & SMALLER	0.5"	F1	**INTERIOR**
DOMESTIC COLD WATER 2" & LARGER	1"	F1	**INTERIOR**
DOMESTIC HOT WATER, TEMPERED WATER, & HOT WATER RETURN 1.25" AND SMALLER	1"	F1	**INTERIOR**
DOMESTIC HOT WATER, TEMPERED WATER, & HOT WATER RETURN 1.5" AND LARGER	1.5"	F1	**INTERIOR**
INTERIOR ABOVE FLOOR IRRIGATION WATER	0.5"	F1	**INTERIOR**
CONDENSATE DRAINAGE	1"	F1, E1	**INTERIOR**

TYPE	BASIS OF DESIGN	APPROVED EQUALS	DESCRIPTION
F1	OWENS-CORNING SSL1-ASJ	KNAUF 1000° PIPE, JOHNS MANVILLE MICRO-LOK HP	* PREFORMED, TUBULAR, INORGANIC GLASS FIBER WITH RESIN BONDING. * K=0.24 @ 100 DEG. F. * 3.5 - 5.5 PCF. * PREFORMED TUBULAR. * WHITE FSRK JACKET. * LONGITUDINAL LAP WITH SELF-SEALING ADHESIVE. * ELBOWS, TEES, VALVES, CAPS, ETC., WHITE ONE PIECE, PREMOLDED 25/50 0.20" PVC FITTING COVERS WITH HIGH DENSITY FIBERGLASS INSULATION INSERTS SAME THICKNESS, K=0.26 EQUAL TO ZESTON OR PROTO.
E1	AEROFLEX AEROCEL EPDM	RUBATEX	* PREFORMED, FLEXIBLE CLOSED CELL EPDM, TUBULAR INSULATION, OR SHEET INSULATION. * K=0.25 @ 75 DEG. F. * CLEAN PIPE SURFACE WITH DENATURED ALCOHOL PRIOR TO INSULATING.

BUILDING SUPPLY SYSTEMS SCHEDULE DOMESTIC WATER & GAS

PIPING SYSTEM	TYPE
DOMESTIC WATER SERVICE PIPING 3" & LARGER	D1
DOMESTIC COLD, HOT AND RECIRCULATING WATER	C1, C4, C5
IRRIGATION WATER	C1, C5
DOMESTIC COLD WATER BELOW GRADE	C8, PX1
IRRIGATION WATER BELOW GRADE	C8, PX1
NATURAL GAS ABOVE GROUND AT PRESSURES 5 PSI & LESS	S1, S2, S6
NATURAL GAS ABOVE GROUND AT PRESSURES MORE THAN 5 PSI	S1
MISCELLANEOUS UNDERGROUND NATURAL GAS (OUTSIDE OF BUILDING)	PE1

TYPE	DESCRIPTION	TYPE	DESCRIPTION
C1	**SOLDERED COPPER** TYPE "L" HARD COPPER ASTM B88 WROUGHT COPPER OR CAST BRONZE FITTINGS 95-5 SOLDER	**S1**	**WELDED BLACK STEEL** SCHEDULE 40, ASTM A53 TYPE E WROUGHT-STEEL WELDING FITTINGS: ASTM A 234/A 234M 150 LB. C.I. FITTINGS
C4	**GROOVED COPPER** TYPE "L" HARD COPPER ASTM B88 COPPER ASTM B75 UNS C12200 FITTINGS VICTAULIC STYLE 607 COUPLING	**S2**	**THREADED BLACK STEEL** SCHEDULE 40, ASTM A53 TYPE F 150 LB. C.I. FITTINGS
C5	**PRESS-FIT COPPER** TYPE "L" HARD COPPER ASTM B88 COPPER OR BRONZE FITTINGS ASTM B16.18 OR B16.22 250 DEG. F. EPDM SEALS	**S6**	**PRESS-FIT BLACK STEEL** SCHEDULE 40, ASTM A53 TYPE E CARBON STEEL FITTINGS: ASTM A420 OR ASTM B16.3, ANSI LC-4/CSA 6.32, & ASTM F3226
C8	**TYPE "K" SOFT COPPER** ASTM B88 WROUGHT COPPER OR CAST BRONZE FITTINGS 95-5 SOLDER	**PE1**	**POLYETHYLENE** PE 2306, 2406 TYPE II GRADE 3, PE 3406, 3408 TYPE III, ASTM D2513 HEAT FUSION JOINTS
D1	**DUCTILE IRON** ANSI A21.51 & AWWA CLASS 53 OR 51 250 LB. FITTINGS FLANGED FITTINGS	**PX1**	**PEX TUBING** CROSSLINKED POLYETHYLENE TUBING, SDR 9, ASTM F877 METAL INSERT FITTINGS WITH COPPER OR STEEL CRIMP RING

BUILDING DRAIN SYSTEMS SCHEDULE STORM, SANITARY, & VENT

PIPING SYSTEM	TYPE
SANITARY PIPING BELOW FLOOR SLAB IN GRADE	P1, CI1, CI2
SANITARY & VENT PIPING ABOVE THE FLOOR	CI1, CI2
STORM DRAINAGE BELOW THE FLOOR IN SLAB	P1, CI1, CI2
STORM DRAINAGE ABOVE FLOOR	CI1, CI2
INDIRECT DRAINS/CONDENSATE DRAIN LINES 1" & SMALLER	C1, C5, C8

TYPE	DESCRIPTION	TYPE	DESCRIPTION
CI1	**NO-HUB CAST IRON (STD)** SERVICE WEIGHT ASTM A888 OR CISPI 301 SHIELDED COUPLINGS ASTM C1277 OR CISPI 310 RUBBER SLEEVE ASTM C564	**C1**	**SOLDERED COPPER** TYPE "L" HARD COPPER ASTM B88 WROUGHT COPPER OR CAST BRONZE FITTINGS 95-5 SOLDER
CI2	**HUB & SPIGOT CAST IRON** ASTM A74, SERVICE CLASS DWV FITTING RUBBER GASKET ASTM C564	**C5**	**PRESS-FIT COPPER** TYPE "L" HARD COPPER ASTM B88 COPPER OR BRONZE FITTINGS ASTM B16.18 OR B16.22 250 DEG. F. EPDM SEALS
P1	**PVC** SCHEDULE 40 PVC ASTM D2665 AND D2321 DWV FITTINGS, ASTM D3311 GLUED JOINTS	**C8**	**TYPE "K" SOFT COPPER** ASTM B88 WROUGHT COPPER OR CAST BRONZE FITTINGS 95-5 SOLDER

PLUMBING FIXTURE SCHEDULE

ITEM	FIXTURE DESCRIPTION	FIXTURE	CONNECTIONS H.W.	C.W.	SAN.	MTG. HGT.	TRIM REQUIREMENTS SUPPLY	STOPS	WASTE	TRAP	CARRIERS	ACCESSORIES	NOTES
W1	WATER CLOSET/ VIT. CHINA/ WALL HUNG/ ELONGATED/ MANUAL FLUSH VALVE/ 1.6 GPF/ 1,000 MG MaP SCORE/ ACCESSIBLE	AMERICAN STANDARD # 2257.101	--	1"	4"	17" TO RIM	SLOAN # REGAL 111-1.6-XL-CP	UNIT	UNIT	INTEGRAL	SEE SOIL, WASTE, AND VENT	SEAT BEMIS	
W2	WATER CLOSET/ VIT. CHINA/ WALL HUNG/ ELONGATED/ MANUAL FLUSH VALVE/ 1.6 GPF/ 1,000 MG MaP SCORE/	AMERICAN STANDARD # 2257.101	--	1"	4"	15" TO RIM	SLOAN # REGAL 111-1.6-XL-CP	UNIT	UNIT	INTEGRAL	SEE SOIL, WASTE, AND VENT	SEAT BEMIS	
L1	LAVATORY/ VIT. CHINA/ WALL HUNG/ CONCEALED ARM/ MANUAL SINGLE LEVER SOLID BRASS FAUCET/ CERAMIC CARTRIDGE /0.5GPM LAMINAR FLOW CONTROLER/ ASSE 1070 DEVICE/ ACCESSIBLE	AMERICAN STANDARD # 0355.027	1/2"	1/2"	1 1/4"	32" TO RIM	T & S BRASS # B-2711-VF05	MCGUIRE # LFBV2165	WITH TRAP	MCGUIRE # PW2150WC	ZURN # Z1251	WATTS # LFUSG-CS	
U1	URINAL/ VIT. CHINA/ WALL HUNG/ WASH OUT/ MANUAL FLUSH VALVE/ 0.5 GPF/ WASHOUT/ ACCESSIBLE	AM. STANDARD # 6590.001	--	3/4"	2"	17" TO LIP	SLOAN # REGAL 186-0.5-XL-CP	UNIT	UNIT	INTEGRAL			
U2	URINAL/ VIT. CHINA/ WALL HUNG/ WASH OUT/ MANUAL FLUSH VALVE/ 0.5 GPF/ WASHOUT	AM. STANDARD # 6590.001	--	3/4"	2"	24" TO LIP	SLOAN # REGAL186-0.5-XL-CP	UNIT	UNIT	INTEGRAL			
S1	COUNTERTOP SINK/ ST. ST./ DROP-IN/ DOUBLE BOWL/ EACH BOWL 14" SQ. 7 5/8" DEEP/ SINGLE LEVER FAUCET W GOOSENECK SPOUT & SIDE SPRAY/ CERAMIC CARTRIDGE/ ASSE 1070 DEVICE	ELKAY # LR3329	1/2"	1/2"	1 1/2"	--	T & S BRASS # B-2744	MCGUIRE # LFBV2165	MCGUIRE # 151A (2 REQ'D)	MCGUIRE # 8912 & # 111	--	WATTS # LFUSG-CS	
S2	COUNTERTOP SINK/ ST. ST./ DROP-IN/ SINGLE BOWL/ BOWL 16" X 13.5" SQ. 7 1/2" DEEP/ SINGLE LEVER FAUCET W GOOSENECK SPOUT & SIDE SPRAY / CERAMIC CARTRIDGE / ASSE 1070 DEVICE	ELKAY # LR1919	1/2"	1/2"	1 1/2"	--	T & S BRASS # B-2744	MCGUIRE # LFBV2165	MCGUIRE # 151A	MCGUIRE # 8912	--	WATTS # LFUSG-CS	
SH1	SHOWER/ THERMOSTIC MIXING VALVE W DIVERTER/ FIXED SHOWER HEAD AND HAND HELD SHOWER ON 60" ST. ST. HOSE W/ 24" SLIDE BAR/ RECESS MOUNTED IN ST. ST. PANEL WI RECESSED SOAP DISH/ ACCESSIBLE	BRADLEY # HN200-TMV-B-HS -ST-SB-SC	1/2"	1/2"	--	42" CL VALVE	UNIT	UNIT	FLOOR DRAIN	--	--	--	2.
F1	WALL HUNG WATER COOLER WITH BOTTLE FILLER/ SINGLE LEVEL.	FURNISHED BY OWNER	--	1/2"	1 1/4"	33" TO BBLR	UNIT	MCGUIRE # LFBV2165	UNIT	CAST BRASS	--	--	
M1	MOP SINK/ MOLDED STONE/ FLOOR SET/ 24" SQ. 10" DEEP/ VINYL CAPS/ ST.ST. WALL PANELS/ ON 2 SIDES/ WALL MOUNTED FAUCET WITH INTEGRAL CHECK STOPS	FIAT # TSB3002	1/2"	1/2"	3"	36" FAUCET	T & S BRASS # B-0665-CR-BSTR	UNIT	UNIT	SAME AS SANITARY PIPING	--	FIAT # E-88-AA # MSG2424	
H1	INTERIOR WALL HYDRANT/ 1/2 TURN CERAMIC DISC CARTRIDGE/ INTEGRAL BACKFLOW PREVENTER/ LOOSE KEY OPERATION IN RECESSED ST.ST. BOX W LOOSE KEY LOCK	ZURN # Z1320XL-EZ-WC	--	3/4"	--	APPROX. 24" A.F.F.	UNIT	BALL VALVE ABOVE CLNG.	--	--	--	--	1.
H2	EXTERIOR WALL HYDRANT/ FREEZEPROOF/ 1/2 TURN CERAMIC DISC CARTRIDGE/ INTEGRAL BACKFLOW PREVENTER/ LOOSE KEY OPERATION IN RECESSED ST.ST. BOX W LOOSE KEY LOCK	ZURN # Z1320XL-EZ-WC	--	3/4"	--	APPROX 24" A.F.G.	UNIT	BALL VALVE ABOVE CLNG.	--	--	--	--	1.

EQUALS
AMERICAN STANDARD CHINA - KOHLER, ZURN, SLOAN
AMERICAN STANDARD FAUCETS - KOHLER, ZURN, CHICAGO
SLOAN FLUSH VALVES - ZURN, DELANEY
ELKAY SINKS - JUST, ADVANCED TABCO
MCGUIRE - WATTS, BRASS CRAFT
MCGUIRE "PROWRAP" - TRUEBRO "LAV GUARD", PLUMBEREX "PROEXTREME"
OATEY SUPPLY BOXES - IPS, GUY GRAY, SIOUX CHIEF

NOTES:
1. COORDINATE EXACT MOUNT HEIGHT WITH MASONARY COURSING.
2. VERIFY HANDEDNESS OF EACH LOCATION.

DRAIN SCHEDULE

TAG	DESCRIPTION	MANUFACTURER MODEL NUMBER	OUTLET SIZE	FEATURES ANCHOR FLANGE	FLASHING CLAMP	UNDERDECK CLAMP	DBL/ DRAINAGE	SEDIMENT BUCKET	STRAINER/GRATE TOP/STRAINER SIZE	FLAT	DOME	OPEN (NO GRATE)	HALF OPEN	ADJUSTABLE	FUNNEL	NOTES
FD1	FLOOR DRAIN/ CAST IRON BODY/ NICKEL BRONZE ROUNDTOP/ ADJUSTABLE	ZURN # ZN415-B7	3"	●			●		7" DIA.	●				●		1.
FD2	FLOOR DRAIN/ CAST IRON BODY/ NICKEL BRONZE ROUNDTOP/ ADJUSTABLE/ TRAP PRIMER...	ZURN # ZN415-B7	3"	●			●		7" DIA	●				●		
FD3	FLOOR DRAIN/ PVC BODY/APPROX 6" DEEP/ HALF TOP PVC FLAT/ FLAT GRATE/ FLAT STRAINER IN BOTTOM/ MEDIUM DUTY	SIOUX CHIEF # 8614P26	4"	●					11" SQ.	●			●			
FD4	FLOOR DRAIN/ CAST IRON BODY AND TOP/ MEDIUM DUTY/ LOOSE GRATE/ OVAL FUNNEL	ZURN # Z550 & # Z329	3"	●					9" DIA.	●					●	
FD5	FLOOR DRAIN/ CAST IRON BODY/ NICKEL BRONZE TOP/ ADJUSTABLE/ FUNNEL	ZURN # Z415E	3"	●					7" DIA 4" DIA FUNNEL	●				●	●	
ECO	EXTRA HEAVY DUTY CLEANOUT/ FLOOR SET/ NICKEL-BRONZE TOP/ CAST IRON BODY/ MIP THREADED CONNECTION/ ABS PLUG	ZURN # ZN1400-HD-K	SAME AS PIPE UP TO 4"		●					●				●		
WCO	WALL CLEAN OUT/ THREADED BRASS PLUG/ ST. ST. WALL COVER W SECURING SCREW	ZURN # ZS1468	SAME AS PIPE UP TO 4"							●						
SSO	SECONDARY STORM OUTLET/ ALUMINUM BODY POWDER COATED FINISH/ COLOR SELECTION BY ARCHITECT/ FULL PERFORATED FLAPPER/ 2 1/2" SPOUT LIP	ZURN # ZF199	SIZE AS NOTED	●												

NOTES
1. PROVIDE ASSE 1072 TRAP MAINTENANCE DEVICE ON DRAIN.
2.

GENERAL REQUIREMENTS

1. PROVIDE COMPLETE AND FUNCTIONAL PLUMBING SYSTEMS PER PLANS INCLUDING FURNISHING, INSTALLING, TESTING AND WARRANTY OF ALL WORK.
2. WORK SHALL BE IN ACCORDANCE WITH THE 2024 OHIO BUILDING AND OHIO PLUMBING CODES INCLUDING REFERENCED CODES AND STANDARDS, ALL FEDERAL AND LOCAL CODES AND ALL APPLICABLE LAWS, ORDINANCES AND REGULATIONS.
3. WORK SHALL BE PERFORMED USING BEST QUALITY INSTALLATION PRACTICE BY A QUALIFIED TRADE CONTRACTOR AND THEIR QUALIFIED SUBCONTRACTORS. ALL CONTRACTORS SHALL BE LICENSED AND BE BONDED FOR THE WORK.
4. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH OSHA AND OWNER SAFETY STANDARDS AND PRACTICES. ALL ON SITE PERSONNEL SHALL BE SAFETY TRAINED AND OWNER CERTIFIED.
5. OBTAIN REQUIRED PERMITS RELATED TO THE WORK AND PAY ALL PERMIT AND INSPECTION FEES.
6. THE AUTHORITY HAVING JURISDICTION SHALL INSPECT AND APPROVE ALL WORK. PROVIDE A FINAL CERTIFICATE OF APPROVAL FROM THE AUTHORITY HAVING JURISDICTION AND PRESENT TO THE OWNER BEFORE REQUESTING FINAL PAYMENT AND RELEASE OF RETAINAGE.
7. PROTECT ALL FURNISHED MATERIAL AND EQUIPMENT FROM THEFT AND DETERIORATION OR CONTAMINATION DUE TO WEATHER OR CONSTRUCTION ACTIVITIES.
8. PROTECT OWNER'S PROPERTY AND PROPERTY OF OTHER CONTRACTORS.
9. REMOVE ALL CONSTRUCTION DEBRIS FROM SITE. RECYCLE DEBRIS WHERE POSSIBLE. DISPOSE OF ALL HAZARDOUS MATERIAL IN ACCORDANCE WITH ENVIRONMENTAL LAWS.
10. PROVIDE ALL CUTTING AND PATCHING REQUIRED TO INSTALL MATERIAL AND EQUIPMENT.
11. EXCAVATE FOR ALL IN GRADE UNDERFLOOR PIPING. BACKFILL AND REPLACE SLAB TO MATCH ADJACENT SURFACE OR GRADE. PUMP WATER FROM EXCAVATIONS AND TRENCHES DURING CONSTRUCTION. EXISTING SERVICES ENCOUNTERED DURING EXCAVATION WORK SHALL BE PROTECTED. ANY SERVICES DAMAGED SHALL BE REPAIRED OR REPLACED. PIPE SHALL BE LAID ON A 6" MINIMUM SAND BED. BACKFILLING OF TRENCHES SHALL BE WITH GRADED PEA GRAVEL OR GRADED COURSE SAND. EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE.
12. PROVIDE APPROPRIATE FIRESTOPPING SYSTEM FOR ANNULAR SPACE OPENINGS AROUND PIPE PENETRATIONS THROUGH FIRE RESISTANCE RATED CONSTRUCTION. ANNULAR SPACE OPENINGS AT PIPE PENETRATIONS IN NON RATED CONSTRUCTION TO BE CLOSED AIR AND WATER TIGHT.
13. MATERIALS AND EQUIPMENT SHALL BE ONE OF THE BRAND OR MANUFACTURERS LISTED OR AN APPROVED EQUAL.
14. ELECTRONIC SHOP DRAWINGS SHALL BE PROVIDED IN .PDF FORMAT FOR THE ENGINEER'S APPROVAL FOR ALL MATERIALS AND EQUIPMENT. SHOP DRAWINGS SHALL BE SPECIFICALLY EDITED TO ELIMINATE SUPERFLUOUS INFORMATION AND SHALL CLEARLY SHOW SPECIFICS FOR THE MATERIAL AND EQUIPMENT PROVIDED.
15. COORDINATE EACH ROUGH-IN INSTALLATION REQUIREMENTS AND LOCATIONS WITH OTHER TRADES, ACTUAL EQUIPMENT OR CABINETRY PROVIDED AND FIELD CONDITIONS BEFORE PERFORMING WORK.
16. REFER TO DIAGRAMS, DETAILS, AND SCHEDULES FOR PIPING AND PIPE SIZES NOT SHOWN ON PLAN OR ON DIAGRAMS.
17. ALL PIPING IS ABOVE THE CEILING (AT THE CEILING IN EXPOSED STRUCTURE AREAS) UNLESS OTHERWISE INDICATED ON PLAN.
18. ALL EQUIPMENT AND MATERIAL REQUIRED FOR COMPLETE AND FUNCTIONAL PLUMBING SYSTEMS ARE INCLUDED IN THE CONTRACT. THE WORK SCOPE IN THE PROJECT MANUAL DEFINES THE FINAL CONTRACTUAL RESPONSIBILITY TO PROVIDE SUPPORTING EQUIPMENT, MATERIALS, FINISHING, UTILITY COST, ETC (EXAMPLES: CONCRETE PADS, PAINTING, TEMPORARY ELECTRIC/GAS COSTS) FOR PRECEDENCE OVER OTHER SPECIFICATION SECTIONS OR DRAWING REQUIREMENTS.
19. PROJECT CONDITIONS REQUIRE COORDINATION TO MAKE SYSTEMS FIT IN THE AVAILABLE SPACE. HVAC CONTRACTOR SHALL PROVIDE AN INITIAL ¼" =1'0" SET OF DRAWINGS AND DISTRIBUTED TO OTHER TRADE CONTRACTORS FOR COORDINATION. ALL CONTRACTORS SHALL COOPERATE TO MODIFY THEIR RESPECTIVE MATERIAL AND EQUIPMENT INSTALLATION AND DEPICT ON A DETAILED, FINISHED COORDINATION SET OF DRAWINGS BEFORE INSTALLATION. ALLOW FOR EXPECTED MINOR OFFSETS OR RELOCATION SYSTEM OR EQUIPMENT WITHOUT REQUEST FOR COMPENSATION ADJUSTMENT.
20. PROVIDE FINAL COORDINATION/INSTALLATION DRAWINGS TO THE OWNER IN BOUND PAPER AS WELL AS ELECTRONIC FORMAT FOR RECORD.
21. INSTALL ALL MATERIALS AND EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS.
22. INSTALL ALL MATERIAL AND EQUIPMENT TO PROVIDE REQUIRED CLEARANCES TO MEET CODE REQUIREMENTS, MANUFACTURER'S RECOMMENDATIONS AND MAINTENANCE SERVICE.
23. ALL WORK AREAS SHALL BE CLEANED.
24. MAINTAIN RECORD DRAWINGS AND PROVIDE TO THE OWNER OR HIS AGENT.
25. PROVIDE TWO (2) BOUND, PAPER COPIES OF ALL OPERATING AND MAINTENANCE MANUALS. PROVIDE AN ELECTRONIC COPY OF THE OPERATING AND MAINTENANCE MANUAL.
26. PROVIDE WARRANTY FOR ALL WORKMANSHIP, EQUIPMENT AND MATERIAL. WARRANTY SHALL BE 1 YEAR FOR PARTS AND LABOR, PROVIDE EXTENDED WARRANTY PERIOD FOR PARTS AND/OR LABOR AS IDENTIFIED OR AS STANDARD FOR CERTAIN ITEMS OF EQUIPMENT.
27. PROVIDE TRAINING AND MAINTENANCE INSTRUCTION FOR SYSTEMS AND EQUIPMENT TO THE OWNER. TRAINING SHALL BE 8 HOURS OF TIME WITH MAXIMUM TRAINING PERIOD OF 4 HOURS.

GENERAL LEGEND

EC	ELECTRICAL CONTRACTOR.
FC	FIRE PROTECTION CONTRACTOR.
GC	GENERAL CONTRACTOR.
HC	HVAC CONTRACTOR.
PC	PLUMBING CONTRACTOR.
NIC	NOT IN CONTRACT.
AFF	ABOVE FINISHED FLOOR - TO BOTTOM OF ITEM UNLESS INDICATED OTHERWISE IN DRAWING.
(E)	EXISTING.
ES	EQUIPMENT SUPPLIER.
3	NOTE SYMBOL - APPLIES ONLY TO SHEET ON WHICH IS SHOWN.
2	DETAIL NOTE SYMBOL - APPLIES ONLY TO DETAIL ON WHICH IS SHOWN.
H-1	EQUIPMENT REFERENCE SYMBOL. ELECTRICAL CONNECTION REQUIRED.
H-1	EQUIPMENT REFERENCE SYMBOL. NO ELECTRICAL CONNECTION REQUIRED.
123	ROOM NUMBER.
B / H2	DETAIL SYMBOL. DETAIL "B" SHOWN ON SHEET H2.
A / H1	SECTION SYMBOL SECTION "A" DESIGNATION, SHOWN ON SHEET H1.
	CONNECTION, NEW TO EXISTING.
FD1	UP TO SYMBOL UP TO "FD1", SHOWN ON FLOOR ABOVE.
	ITEM TO BE REMOVED.
	EXISTING TO REMAIN.
	NEW ITEM.

PLUMBING LEGEND

	SANITARY DRAIN
	VENT
	COLD WATER
	HOT WATER
	HOT WATER RETURN
IR	IRRIGATION WATER
G	NATURAL GAS
	SHUT-OFF VALVE, SEE SCHEDULE FOR TYPE
	CHECK VALVE
	VALVE ON RISER
	UNION
R	PRESSURE REGULATOR
P	PRESSURE GAUGE
T	TEMPERATURE GAUGE
	CONNECTION, BOTTOM
	CONNECTION, TOP
	DIRECTION OF FLOW
	CAP
C.O.	CLEAN OUT
V.R.	VENT RISER
V.T.R.	VENT THRU ROOF
S.S.	SOIL STACK
V.S.	VENT STACK
S.S.O.	SECONDARY STORM OUTLET

PLUMBING INDEX OF DRAWINGS

SHEET	DRAWING TITLE
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P0.2	SITE PLAN
P1.1	UNDERSLAB PIPING PLAN
P1.2	FIRST FLOOR PLAN
P1.3	UPPER GYM AND MEZZANINE PLAN
P2.1	DETAILS
P3.1	SOIL, WASTE, AND VENT DIAGRAMS

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REGISTERED PROFESSIONAL ENGINEER
JEFFERY D. ZELINSKI, LICENSE #63822
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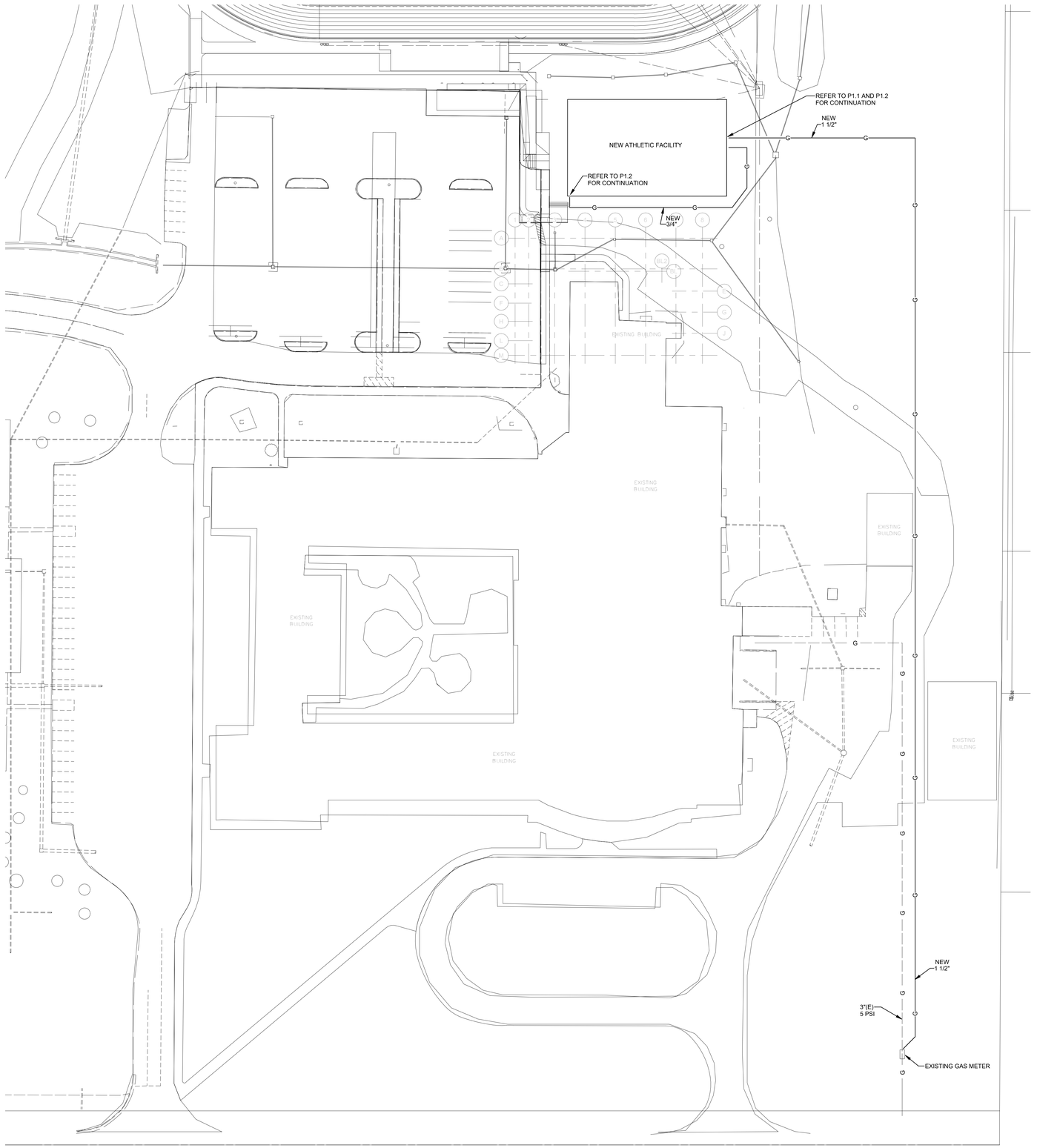
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LEGENDS AND SCHEDULES

P0.1

7/10/2026 10:08:13 AM



SITE PLAN
SCALE: 1" = 40'-0"

HORIZONTAL DIRECTIONAL DRILLING SPECIFICATIONS

A. WORK CONSISTS OF FURNISHING AND INSTALLING UNDERGROUND CONDUITS USING HORIZONTAL DIRECTIONAL DRILLING (HDD) METHOD OF INSTALLATION. INCLUDE ALL SERVICES, EQUIPMENT, MATERIALS, AND LABOR FOR THE COMPLETE AND PROPER INSTALLATION, TESTING, RESTORATION OF UNDERGROUND UTILITIES AND ENVIRONMENTAL PROTECTION AND RESTORATION.

B. CONTRACTOR SHALL ENGAGE A COMPANY AS A SUBCONTRACTOR THAT SPECIALIZES IN LOCATING AND MARKING UNDERGROUND UTILITIES. THIS SUBCONTRACTOR SHALL BE U.S.I.C., UNDERGROUND DETECTIVE, OR BLOODHOUND. OTHER LOCATING SERVICES SHALL BE PERMITTED IF APPROVED BY ARCHITECT AND ENGINEER. THIS CONTRACTOR SHALL FIELD MARK ALL EXISTING UNDERGROUND UTILITIES IN PATH OF DIRECTIONAL BORING. UTILIZE CIVIL ENGINEER SITE UTILITY DRAWINGS AND ELECTRICAL SITE PLAN. IN ADDITION LOCATE ALL UNDERGROUND CONDUITS AND CABLES IN AREA OF WORK NOT SHOWN ON SITE UTILITY PLANS BY ELECTRONIC TRACER LOCATING METHODS.

C. CONTRACTOR (OR SUB-CONTRACTOR) SHALL PROVIDE DOCUMENTED EVIDENCE OF SUCCESSFUL INSTALLATION OF PIPE THROUGH THE HORIZONTAL DRILL METHOD FOR WORK COMPARABLE IN NATURE TO THE SCOPE OF WORK REQUIRED BY THIS PROJECT FOR A MINIMUM OF TWO YEARS. ALL DRILLING, DRILL GUIDANCE AND PIPE JOINING EQUIPMENT OPERATORS SHALL BE EXPERIENCED IN COMPARABLE HORIZONTAL DIRECTIONAL DRILLING WORK.

D. CONTRACTOR SHALL SUBMIT PERSONNEL INFORMATION, INCLUDING SPECIFIC PROJECT EXPERIENCE, FOR ALL PROPOSED DRILLING, DRILL GUIDANCE, AND PIPE JOINING EQUIPMENT OPERATORS, INCLUDING OF EVIDENCE OF TRAINING IN THE USE OF THE PROPOSED EQUIPMENT.

E. SUBMIT PIPE OR CONDUIT CATALOG INFORMATION CONFIRMING THAT PIPE, FITTINGS, JOINTS, AND OTHER MATERIALS CONFORM TO THE REQUIREMENTS OF THE SPECIFICATIONS.

F. HORIZONTAL ALIGNMENT SHALL BE AS SHOWN ON THE PROJECT DOCUMENTS AND MINIMUM DEPTH SHALL BE 30 INCHES.

G. PROVIDE AS-BUILT DOCUMENTATION. CONTRACTOR SHALL PLOT AS-BUILT CONDITIONS ON THE FIELD DRAWINGS , INCLUDING THE LOCATION IN PLAN AND DEPTH OF THE BORE EVERY 20 FEET ALONG DRILL PIPE.

H. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FOLLOWING THE PROCEDURES IN THIS SPECIFICATION TO IDENTIFY, LOCATE AND VERIFY THE PRESENCE OF EXISTING UTILITIES ALONG THE ROUTE OF THE PROPOSED BORE OR WORK AREAS.

I. THE DIRECTIONAL DRILLING EQUIPMENT SHALL CONSIST OF A DIRECTIONAL DRILLINGS RIG, A DRILLING FLUID MIXING, DELIVERY AND RECOVERY SYSTEM, AND A GUIDANCE SYSTEM TO ACCURATELY GUIDE BORING OPERATIONS. ALL EQUIPMENT SHALL BE IN GOOD, SAFE OPERATING CONDITION.

J. STEERING OF THE BORE MUST BE PERFORMED WITH A METHOD APPROVED BY THE BORING EQUIPMENT MANUFACTURER.

K. ENSURE THAT ALL DRILLINGS FLUIDS ARE DISPOSED OF OR RECYCLED IN A MANNER ACCEPTABLE TO THE APPROPRIATE LOCAL, STATE, OR FEDERAL REGULATORY AGENCIES.

L. HIGH DENSITY POLYETHYLENE PIPE SHALL BE HEAT FUSED AND PRESSURE TESTED AS PER MANUFACTURER'S GUIDELINES BEFORE INSTALLATION IN THE BORE HOLE.

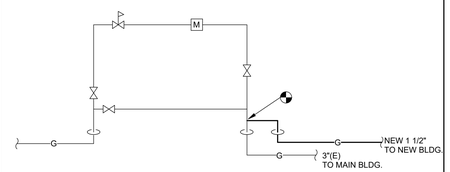
M. SWAB CONDUITS TO THOROUGHLY CLEAN THE CONDUIT OF ALL FOREIGN MATERIAL, SAND, GRAVEL, CONSTRUCTION DEBRIS AND OTHER ITEMS NOT FOUND IN A PROPERLY CLEANED SYSTEM.

N. ALL DRILL FLUID EXCESS SHALL BE CONTAINED IN ENTRY AND/OR EXIT PITS AND PUMPED AS NEEDED INTO ADDITIONAL ON-SITE STORAGE TANKS, TANKER TRUCKS, VACUUM TRUCKS, ETC. DISPOSE OF EXCESS DRILL FLUID OFFSITE AS ALLOWED BY LOCAL RULES AND REGULATIONS.

GAS LOAD SUMMARY

EXISTING SCHOOL BUILDING	=	11,327 CFH
NEW ATHLETIC BUILDING	=	1,340 CFH
TOTAL GAS LOAD	=	12,667 CFH

GAS DELIVERY PRESSURE = 5 PSIG
PER CENTER POINT ENERGY THE EXISTING 11 M ROTARY METER HAS A CAPACITY OF 14,500 CFH. NO WORK ON METER REQUIRED.



1 CONNECTION TO EXISTING GAS METER
N.T.S.

OHIO UTILITIES PROTECTION SERVICE

UNDERGROUND UTILITY PROTECTION: TWO WORKING DAYS BEFORE YOU DIG

CALL 1(800)-362-2764 (TOLL FREE) OR CALL 811

Ohio Utilities Protection Service Call 811 before you dig

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SCALE: 1"=40'-0"

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STATE OF OHIO
JEFFREY D. ZELINSKI
63822
REGISTERED PROFESSIONAL ENGINEER

JEFFERY D. ZELINSKI, LICENSE #63822
EXPIRATION DATE 12/31/2027

REVISIONS :

Number	Description	Date

PRINTINGS :

BID SET	07.06.2026

CONSULTANTS

NAUMAN & ZELINSKI LLC
204 S. Ludlow Street, Suite 400, Dayton, Ohio 45402
Phone: (937) 223-1921
Project # 2017

BRADFORD EVSD

ATHLETIC FACILITY

750 Railroad Ave, Bradford, OH 45308

PROJECT NO: 263401.00
CHECKED BY: JDZ
DRAWN BY: DEG
DATE: 07.06.2026

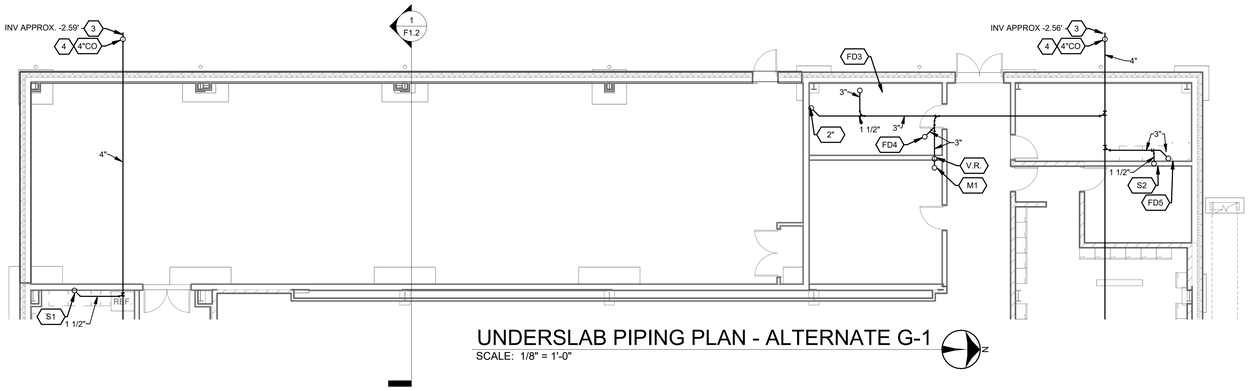
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SITE PLAN

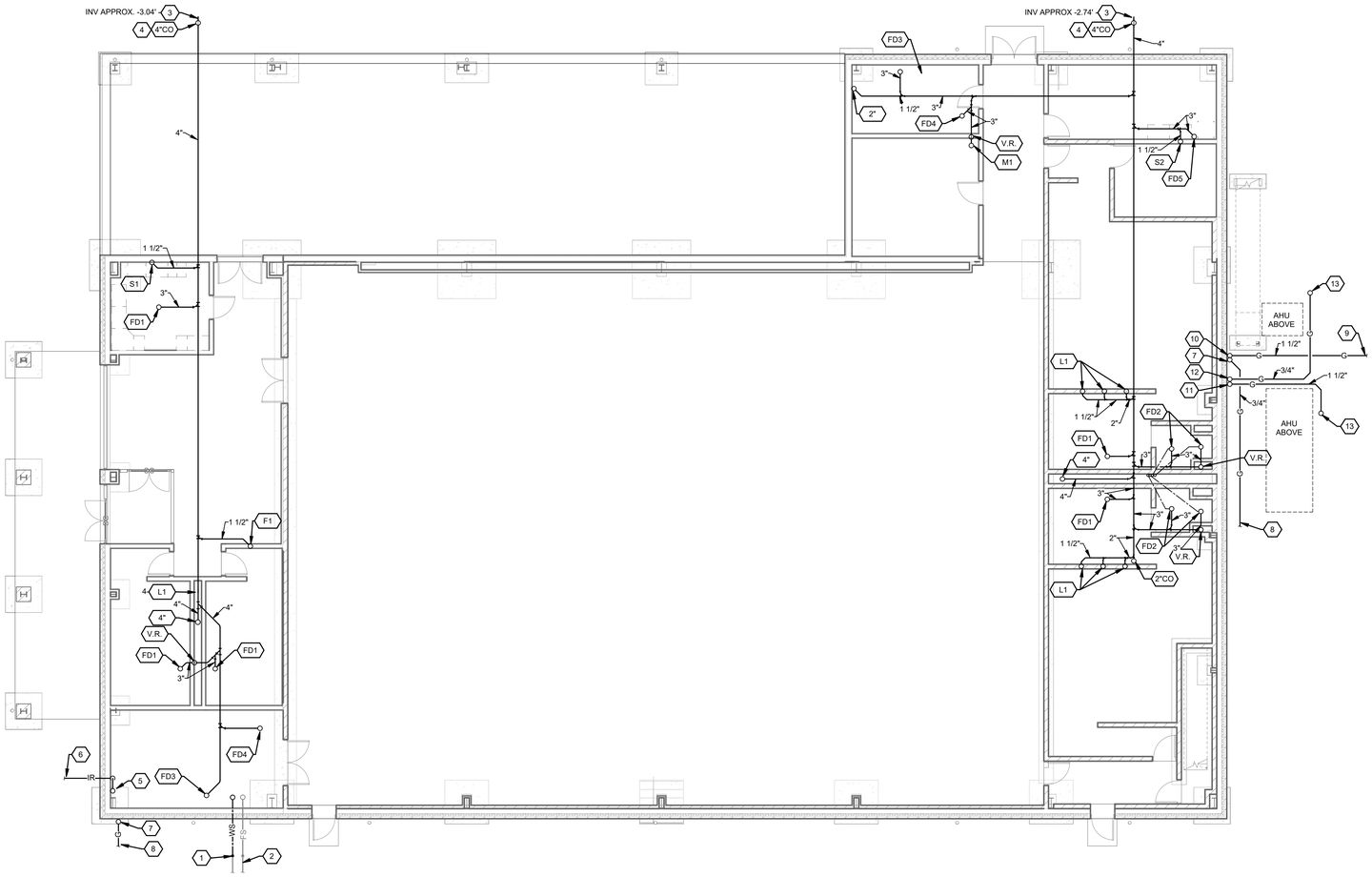
P0.2

CONSTRUCTION NOTES

1. CONNECT TO DOMESTIC WATER SERVICE BY SITE UTILITY CONTRACTOR AND EXTEND INTO BUILDING. REFER TO SITE UTILITY DRAWINGS.
2. FIRE SERVICE. REFER TO FIRE SUPPRESSION DRAWINGS AND SITE UTILITY DRAWINGS.
3. 4" SANITARY CONTINUED BY SITE UTILITY CONTRACTOR. REFER TO SITE UTILITY DRAWINGS.
4. TEST WYE AND CLEAN-OUT.
5. 2" IRRIGATION WATER FROM ABOVE. OFFSET TO OFF FOOTING AND DROP TO 54" AND EXIT BUILDING.
6. 2" IRRIGATION WATER. PIPING CONTINUED BY SITE UTILITY CONTRACTOR.
7. 3/4" NATURAL GAS (5 PSI) UP . REFER TO FIRST FLOOR PLAN SHEET P1.2 FOR CONTINUATION AND GAS RISER AT BUILDING DETAIL SHEET P2.1.
8. 3/4" NATURAL GAS (5 PSI) CONTINUED ON SITE PLAN SHEET P0.2.
9. 1 1/2" NATURAL GAS (5 PSI) FROM METER CONTINUED ON SITE PLAN SHEET P0.2 AND GAS RISER AT BUILDING DETAIL SHEET P2.1.
10. 1 1/2" NATURAL GAS (5 PSI) UP. REFER TO FIRST FLOOR PLAN SHEET P1.2 FOR CONTINUATION AND GAS RISER AT BUILDING DETAIL SHEET P2.1.
11. 1 1/2" NATURAL GAS (7" W.C.) FROM ABOVE TO SERVE RTU1. PROVIDE ANODELESS RISERAND GAS RISER AT BUILDING DETAIL SHEET P2.1.
12. 3/4" NATURAL GAS (7" W.C.) FROM ABOVE TO SERVE RTU2. PROVIDE ANODELESS RISER AND GAS RISER AT BUILDING DETAIL SHEET P2.1.
13. NATURAL GAS PIPING (7" W.C.) UP TO SERVE AIR HANDLING UNIT (AHU). REFER TO FIRST FLOOR PLAN SHEET P1.2 AND NATURAL GAS CONNECTION DETAIL SHEET P2.1.



UNDERSLAB PIPING PLAN - ALTERNATE G-1
SCALE: 1/8" = 1'-0"



UNDERSLAB PIPING PLAN
SCALE: 1/8" = 1'-0"

0 4 8 16 24 32 40
SCALE: 1/8"=1'-0"

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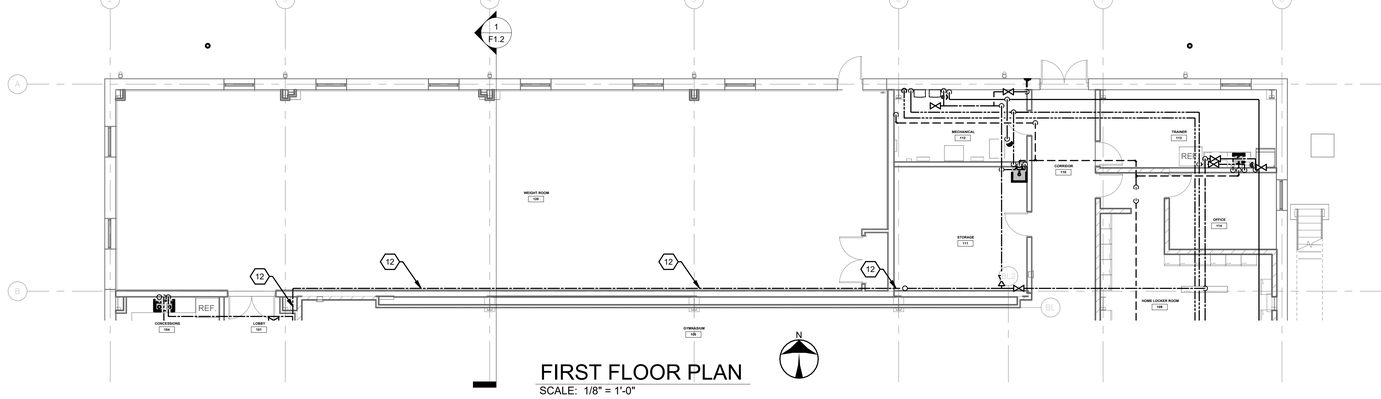
UNDERSLAB PIPING PLAN

P1.1

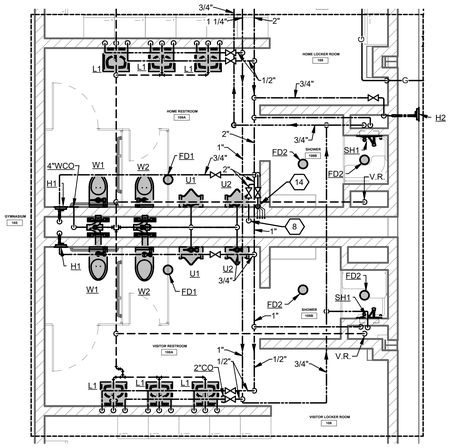
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CONSTRUCTION NOTES

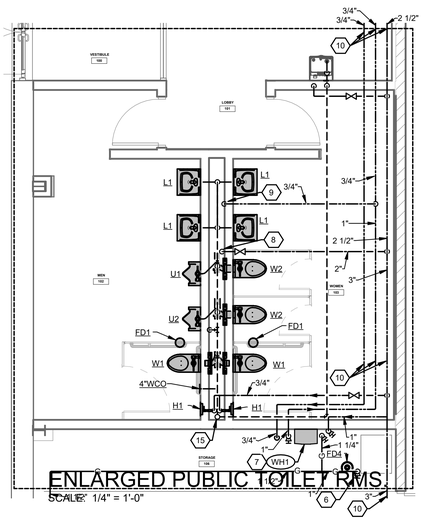
1. 3" WATER FROM BELOW. REFER TO WATER SERVICE DETAIL SHEET P2.1.
2. FIRE SERVICE RISER BY FIRE SUPPRESSION CONTRACTOR. COORDINATE SERVIC3E RISER WITH DOMESTIC SERVICE CAREFULLY.
3. RELOCATED IRRIGATION PUMP. EXISTING PUMP IN EXTERIOR PIT. RELOCATE PUMP INTO BUILDING AND SUPPORT FROM WALL. SEE WATER SERVICE DETAIL.
4. DROP 2" IRRIGATION WATER DOWN INTO SLAB. KEEP TIGHT TO STRUCTURAL COLUMN.
5. 3/4" GAS (AT 5 PSI) FROM BELOW. PROVIDE ANODELESS RISER, VALVE, AND PRESSURE REGULATOR (5 PSI INLET, 7" W.C. OUTLET, 240 CFH), EXTEND 1 1/2" INTO BUILDING LOW AND RISE UP ONCE IN THE BUILDING. SEAL PENETRATION WATERTIGHT
6. DROP 1" NATURAL GAS DOWN AND CONNECT TO FURNACE FURNISHED BY H.C. PROVIDE VALVE, FULL SIZE DIRT LEG AND A UNION AT THE POINT OF CONNECTION. REFER TO NATURAL GAS CONNECTION DETAIL SHEET P2.1.
7. INSTANTANEOUS GAS FIRED WATER HEATER. REFER TO DETAIL SHEET P2.1.
8. DROP 2" COLD WATER IN CHASE, RUN A FULL SIZE MANIFOLD THE LENGTH OF THE CHASE AND SERVE EACH FIXTURE INDIVIDUALLY.
9. DROP 3/4" HOT WATER IN CHASE AND SERVE EACH LAVATORY INDIVIDUALLY.
10. PIPING SHOWN HERE FOR CLARITY. PIPING TO BE SUPPORTED FROM ADJACENT WALL EITHER MOUNTED VERTICALLY ON UNISTRUT OR ON UNISTRUT SUPPORTED BY A BRACKET MOUNTED TO WALL.
11. 2 1/2" COLD WATER UP. REFER TO SHEET P1.3 FOR CONTINUATION.
12. UNDER ALTERNATE G-1 RUN 2 1/2" COLD WATER THRU WEIGHT ROOM IN LIEU OF THRU GYM.
13. 2 1/2" DOMESTIC COLD WATER FROM ABOVE. REFER TO SHEET P1.3.
14. ELECTRONIC TRAP PRIMER WITH DISTRIBUTION UNIT. PRECISION PLUMBING PRODUCTS INC. # MP-500-12V OR EQUAL. VALVE AND CONNECT 1/2" TO COLD WATER MAIN. PIPE DISCHARGE OF DISTRIBUTION UNIT TO FLOOR DRAINS IN SHOWERS AND DRYING AREA. REFER TO SHEET P1.1.
15. VENT RISER UP TO VENT THRU ROOF.
16. ICE MAKER BY OWNER. DROP 1/2" COLD WATER IN WALL TO APPROX 24" A.F.F VALVE AND CONNECT TO ICE MAKER. PIPE DISCHARGE TO FLOOR DRAIN.
17. VALVE AND CAP 3/4" COLD WATER FOR FUTURE EXTENSION.
18. PROVIDE SANITARY ROUGH -IN FOR FUTURE DRINKING FOUNTAIN (SIMILAR TO F1).
19. 1 1/2" NATURAL GAS (5 PSI) FROM BELOW. OFFSET HORIZONTALLY APPROXIMATELY 30" ABOVE FINISHED GRADE. REFER TO RISER DETAIL AT BUILDING DETAIL SHEET P2.1.
20. EXTEND 2" INTO BUILDING LOW AND RISE UP ONCE IN THE BUILDING. SEAL PENETRATION WATERTIGHT.
21. 1 1/2" NATURAL GAS FROM BELOW TO SERVE RTU1. REFER TO NATURAL GAS CONNECTION DETAIL SHEET P2.1. COORDINATE THE FINAL LOCATION AND RTU ACCESS SPACES CLOSELY WITH H.C.
22. 3/4" NATURAL GAS FROM BELOW TO SERVE RTU2. REFER TO NATURAL GAS CONNECTION DETAIL SHEET P2.1. COORDINATE THE FINAL LOCATION AND RTU ACCESS SPACES CLOSELY WITH H.C.



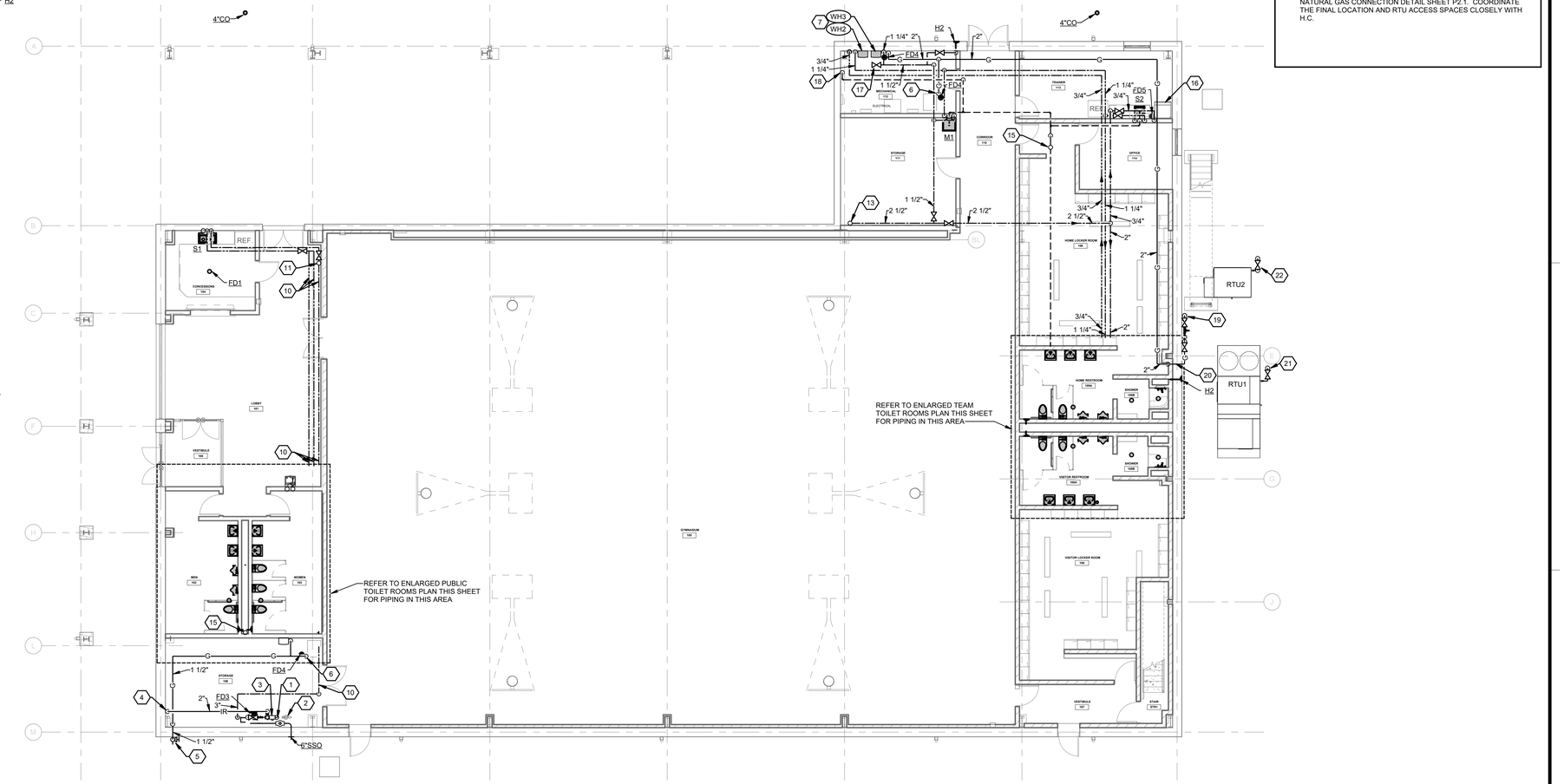
FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"



ENLARGED TEAM TOILET RMS.
SCALE: 1/4" = 1'-0"



ENLARGED PUBLIC TOILET RMS.
SCALE: 1/4" = 1'-0"



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

0 4 8 16 24 32 40
SCALE: 1/8"=1'-0"

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63822
REGISTERED
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JEFFERY D. ZELINSKI, LICENSE #63822
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PRINTINGS :

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CONSULTANTS

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Phone: (937) 223-1671
Project # 2017

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ATHLETIC FACILITY
750 Railroad Ave, Bradford, OH 45308

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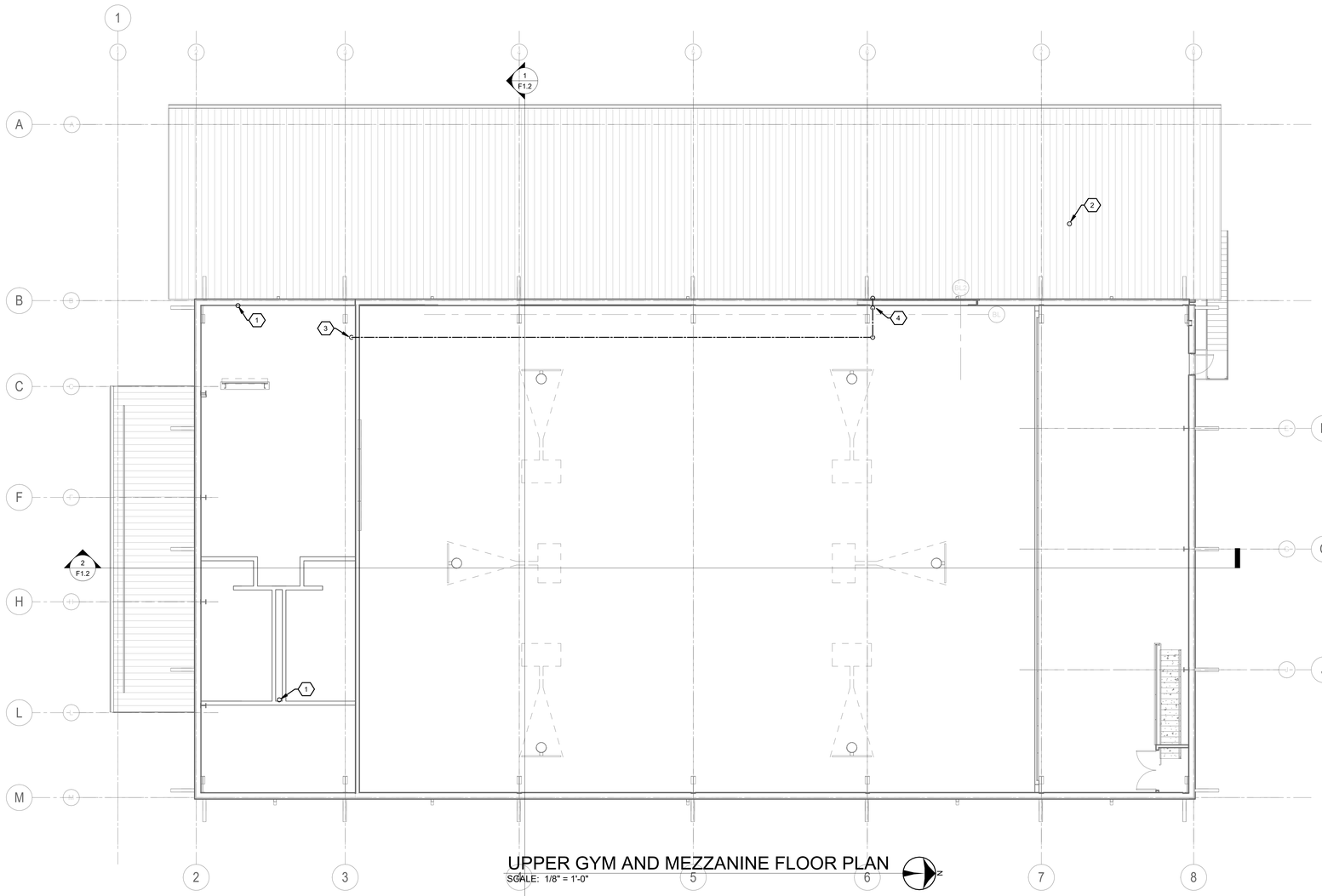
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FIRST FLOOR PLAN

P1.2

CONSTRUCTION NOTES

1. VENT THRU UPPER ROOF. SEE DETAIL.
2. VENT THRU LOW ROOF. SEE DETAIL.
3. 2 1/2" DOMESTIC WATER FROM BELOW. SEE FIRST FLOOR FOR CONTINUATION.
4. DROP 2 1/2" DOMESTIC WATER DOWN TIGHT TO WALL TO BELOW ADJACENT ROOF STRUCTURE, RUN PIPING THRU WALL AND DROP.
5.



UPPER GYM AND MEZZANINE FLOOR PLAN
SCALE: 1/8" = 1'-0"

0 4 8 16 24 32 40
SCALE: 1/8"=1'-0"

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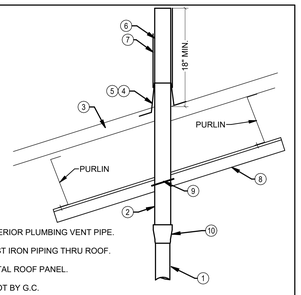
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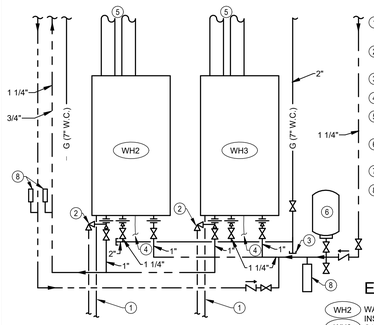
UPPER GYM AND MEZZANINE PLAN

P1.3



1. INTERIOR PLUMBING VENT PIPE.
2. CAST IRON PIPING THRU ROOF.
3. METAL ROOF PANEL.
4. BOOT BY G.C.
5. PAINT TO MATCH ROOF COLOR BY G.C.
6. PLUMBING VENT.
7. PROVIDE A PRE-PAINTED ALUMINUM SLEEVE OVER EXPOSED PIPING WITH OPEN TOP AND BOTTOM. PAINT COLOR BY ARCHITECT
8. SUPPLEMENTAL ANGLE IRON TO SPAN BETWEEN PURLINS
9. U-BOLT TYPE CLAMP.
10. PIPE INCREASER (IF REQUIRED).

4 VENT THRU SLOPED ROOF
N.T.S.



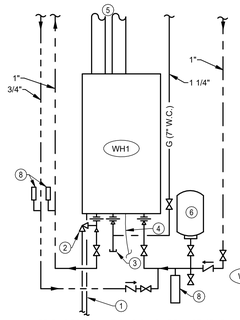
VERIFY RECIRCULATION PIPING ARRANGEMENT WITH MANUFACTURER PRIOR TO INSTALLATION

1. CONDENSATE DRAIN. PIPE DISCHARGE TO FLOOR DRAIN W/ 2" MIN. AIR GAP.
2. T&P SAFETY RELIEF VALVE. PIPE DISCHARGE TO FLOOR DRAIN W/ 2" MIN. AIR GAP.
3. FULL-SIZED DIRT LEG.
4. ELECTRICAL POWER CONNECTION BY E.C.
5. H.C. TO EXTEND COMBUSTION AIR AND VENT FLUE TO OUTDOORS. (VERIFY)
6. EXPANSION TANK, AMTROL # ST-12C OR APPROVED EQUAL.
7. THERMOMETER.
8. SCALE PREVENTION CARTRIDGE. A. O. SMITH # X3 CARTRIDGE 100368986

EQUIPMENT NOTES

WH2 WATER HEATER #2 & #3.
WH3 INSTANTANEOUS GAS FIRED W BUILT-IN RECIRC. PUMP. CAPACITY - 3.75 GPM @ 80 DEG. F. RISE
INPUT - 160,000 CFH
GAS PRESSURE - 7" W.C.
BASIS OF DESIGN - A. O. SMITH # ATHR-160M OR APPROVED EQUAL.

3 DOMESTIC WATER HEATERS - WH2 & WH3
N.T.S.



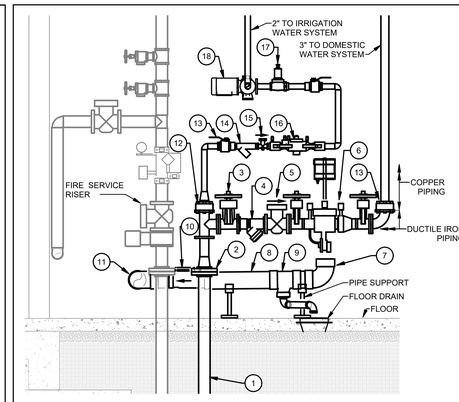
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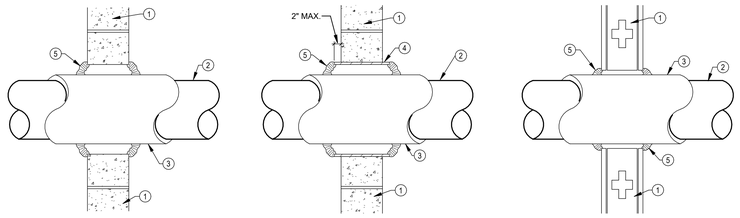
WH1 WATER HEATER #1.
INSTANTANEOUS GAS FIRED W BUILT-IN RECIRC. PUMP. CAPACITY - 3.75 GPM @ 80 DEG. F. RISE
INPUT - 160,000 CFH
GAS PRESSURE - 7" W.C.
BASIS OF DESIGN - A. O. SMITH # ATHR-160M OR APPROVED EQUAL.

2 DOMESTIC WATER HEATER - WH1
N.T.S.



1. 4" DOMESTIC WATER SERVICE. REFER TO SHEET P1.1 UNDERGROUND PIPING PLAN.
2. REDUCING FLANGE OR FLANGED REDUCER.
3. 3" GATE VALVE.
4. 3" STRAINER.
5. 3" CHECK VALVE.
6. 3" REDUCED PRESSURE BACKFLOW PREVENTER WITH "FLOOD" MONITOR ZURN # 3-375ASTW1 OR APPROVED EQUAL.
7. 6" ELBOW WITH OPEN TOP. PIPE BACKFLOW PREVENTER DISCHARGE TO ELBOW.
8. 6" CLEAR WATER WASTE DRAIN TO OUTSIDE.
9. 6" X 4" SANITARY TEE WITH 4" X 2" FLUSH BUSHING. PIPE 2" DISCHARGE TO FLOOR DRAIN.
10. 6" NORMALLY CLOSED BACKWATER VALVE.
11. 6" SECONDARY STORM OUTLET ZURN #ZF199 OR APPROVED EQUAL.
12. DI-ELECTRIC FITTING. CHANGE FROM DUCTILE IRON PIPING TO COPPER PIPE.
13. BALL VALVE (TYPICAL)
14. 2" STRAINER.
15. 2" CHECK VALVE.
16. 2" REDUCED PRESSURE BACKFLOW PREVENTER FOR NON-POTABLE WATER.
17. 2" PRESSURE REDUCING VALVE WITH "FLOOD" MONITOR. ZURN # 2-975XL2-MS OR APPROVED EQUAL.
18. RELOCATED IRRIGATION PUMP. COORDINATE RELOCATION WITH SITE UTILITY CONTRACTOR AND ELECTRICAL CONTRACTOR. PROVIDE BRACKET

1 WATER SERVICE ENTRANCE AND BACKFLOW PREVENTER
N.T.S.



CONCRETE/MASONRY CONSTRUCTION
1/2" - 1.5" PIPES

CONCRETE/MASONRY CONSTRUCTION
2" AND LARGER PIPES

GYPSUM CONSTRUCTION
ALL PIPE SIZES

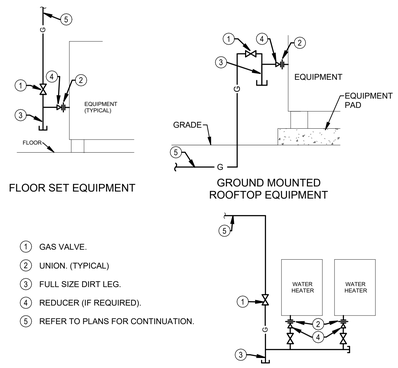
GENERAL NOTE:

A. SLEEVES ARE NOT REQUIRED IN THE FOLLOWING:
- IN FLOOR SLABS ON GRADE.
- IN STUD AND GYPSUM BOARD OR PLASTER WALLS AND PARTITIONS WHICH ARE NOT FIRE RATED.
- FOR UNINSULATED PIPE PASSING THRU MASONRY WALLS AND PARTITIONS AND STUD AND GYPSUM BOARD OR PLASTER WALLS AND PARTITIONS. SLEEVES ARE REQUIRED HOWEVER, FOR UNINSULATED PIPING FOR WHICH EXPANSION, CONTRACTION AND OTHER PIPE MOVEMENT CAN BE EXPECTED.
- IN CORE DRILLED OPENINGS IN SOLID CONCRETE NOT REQUIRING WATER PROTECTION. SLEEVES ARE REQUIRED, HOWEVER, AT CORE DRILLING THRU HOLLOW PRE-CAST SLABS AND CONCRETE BLOCK WALLS, TO FACILITATE CONTAINMENT OF REQUIRED FIRESTOPPING MATERIAL.

B. WHERE UNINSULATED PIPES REQUIRING NO PIPE SLEEVES PASS THRU NON-FIRE RATED FLOOR, WALL OR PARTITION, THE ANNULAR SPACE SHALL BE CLOSED WITH MATERIAL AND METHODS COMPATIBLE WITH THE WALL OR PARTITION MATERIAL (TYPE M MASONRY GROUT, DRYWALL JOINT COMPOUND, PLASTER, ETC.).

1. FULL HEIGHT INTERIOR WALL.
2. PIPE OR TUBING.
3. PIPE INSULATION, CONTINUOUS THROUGH WALL OPENING, SEE SCHEDULE FOR THICKNESS.
4. SCHEDULE 40 STEEL PIPE SLEEVE CAST OR GROUTED INTO WALL ASSEMBLY. ENDS FLUSH OR MAX. 2" BEYOND WALL SURFACE.
5. CAULK TO FILL VOID AT WALL/SLEEVE OPENING.

 # PIPE PENETRATIONS THRU NON-RATED WALL
N.T.S.



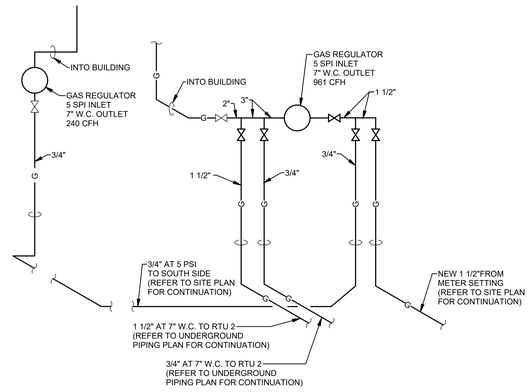
FLOOR SET EQUIPMENT

GROUND MOUNTED ROOFTOP EQUIPMENT

WALL MOUNTED WATER HEATER

1. GAS VALVE.
2. UNION. (TYPICAL)
3. FULL SIZE DIRT LEG.
4. REDUCER (IF REQUIRED).
5. REFER TO PLANS FOR CONTINUATION.

6 NATURAL GAS CONNECTIONS
N.T.S.

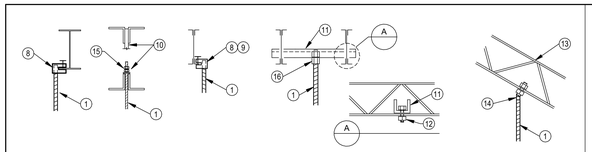


5 GAS RISER AT BUILDING
N.T.S.

GAS LOAD SCHEDULE

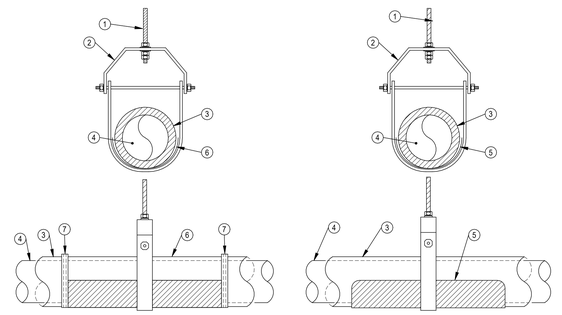
GENERAL NOTES
- PIPING SIZED USING THE LONGEST LENGTH METHOD.
- LOW PRESSURE (7" W.C.) GAS PIPING SIZED USING TABLE 402.4(2) OF THE 2015 IFC.
HIGH PRESSURE (5 PSI) GAS PIPING SIZED USING TABLES 402.4(2) AND (22)OF THE 2015 IFC.

ITEM	LOAD	
WATER HEATER WH1	160	CFH
FURNACE	80	CFH
SOUTH SIDE TOTAL	**240**	**CFH**
RTU1	486	CFH
RTU2	97	
WATER HEATER WH2 & WH3 (160 CFH EA)	320	CFH
FURNACE	60	CFH
NORTH SIDE TOTAL	**581**	**CFH**
NEW BUILDING TOTAL	**961**	**CFH**



DIRECT ATTACHMENT TO DECKING IS PROHIBITED. PROVIDE SUPPLEMENTAL STEEL ANGLES OR UNISTRUT WHERE REQUIRED FOR PROPER HANGER SPACING OR IN LIEU OF ATTACHMENTS SHOWN.

STEEL JOIST AND BEAM CONSTRUCTION



PIPING 2.5" & LARGER

PIPING 2.0" & SMALLER

1. GALVANIZED THREADED ROD. ADJUST NUTS & RODS FOR PROPER ELEVATION.
2. STEEL CLEVIS PIPE HANGER. EQUAL TO ANVIL FIG.260.
3. PIPE INSULATION.
4. PIPE.
5. 12" LONG, 18 GA. GALVANIZED INSULATION SHIELD. EQUAL TO ANVIL FIG. 168. CONTINUOUS INSULATION.
6. 18" LONG INSULATED PIPE SADDLES. PIPE SHIELDS, INC. A1000 OR EQUAL. PROVIDE WITH 3.75 LB. DENSITY PHENOLIC FOAM INSULATION WITH VAPOR RETARDER JACKET & BOTTOM GALVANIZED METAL INSULATION SHIELD. SADDLES TO MEET 25/50 FLAME/SMOKE RATING.
7. PIPE INSULATION AND SADDLE INSULATION SHALL BE TIGHTLY ABUTTED TOGETHER. SEAL WITH 4" WIDE VAPOR RETARDER TAPE WITH FACTORY APPLIED JACKET WITH ACRYLIC ADHESIVE TO ASSURE VAPORTIGHT SEAL.
8. THREADED ROD UNIVERSAL C-TYPE CLAMP.
9. 2.0" & SMALLER PIPE.
10. 2.5" & LARGER PIPE.
11. UNISTRUT CHANNEL SPANNING TWO JOIST OR BEAMS.
12. GALVANIZED BOLT & NUT.
13. SLOPED STEEL STRUCTURE.
14. SWIVEL ATTACHMENT, AFCON #AF777 OR EQUAL. BENDING THREADED ROD NOT ACCEPTABLE.
15. RETAINING NUT & WASHERS.
16. RETAINING NUT & SQUARE WASHER UTILIZED TO ATTACH THREADED ROD TO UNISTRUT.

 # PIPE HANGERS
N.T.S.

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STATE OF OHIO
JEFFREY D. ZELINSKI
63822
REGISTERED PROFESSIONAL ENGINEER

JEFFERY D. ZELINSKI, LICENSE #63822
EXPIRATION DATE 12/31/2027

REVISIONS :

Number	Description	Date
1		

PRINTINGS :
BID SET 07.06.2026

CONSULTANTS

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Phone: (937) 223-3671
Project # 2017

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ATHLETIC FACILITY
750 Railroad Ave. Bradford, OH 45308

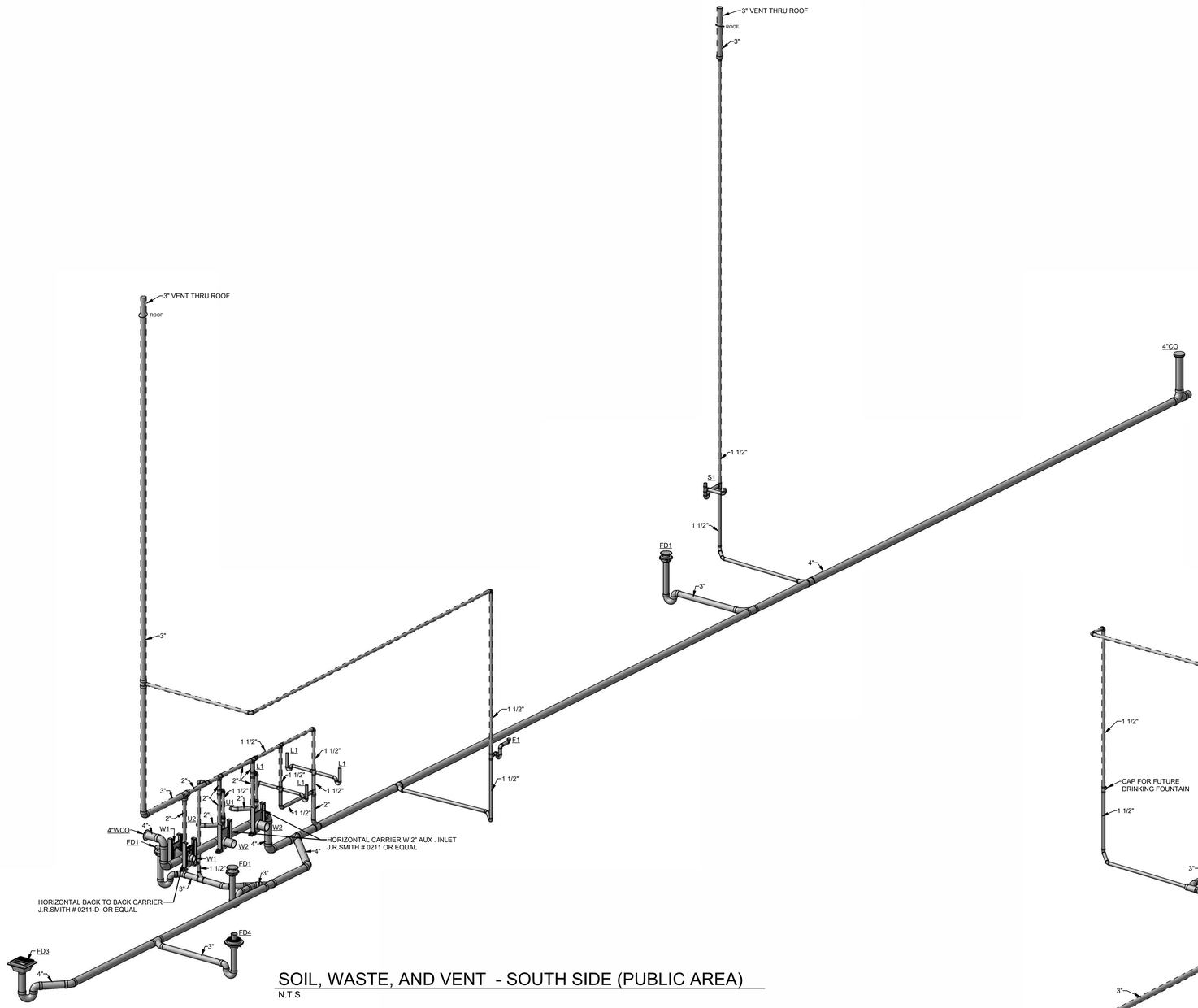
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DETAILS

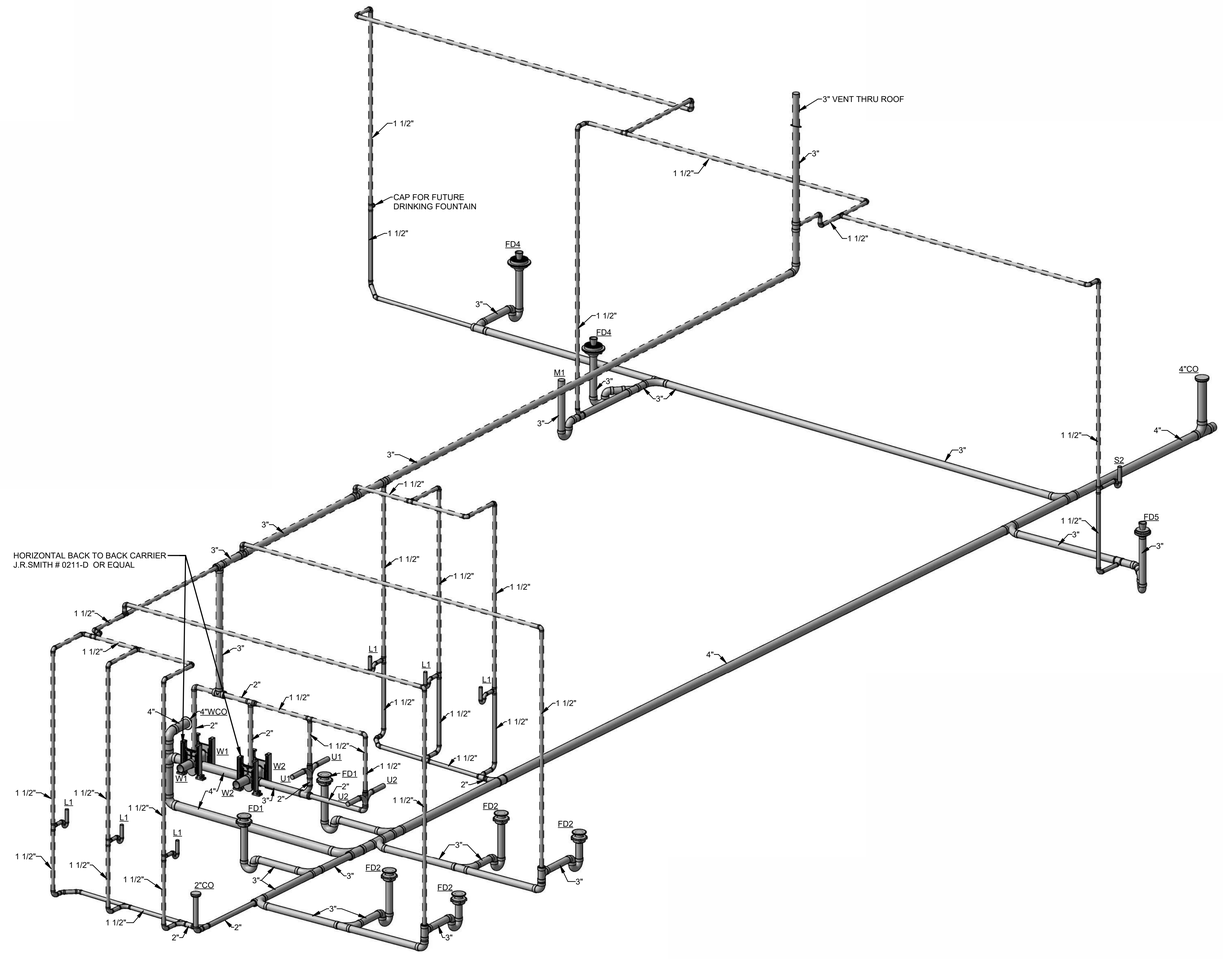
P2.1

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SOIL, WASTE, AND VENT - SOUTH SIDE (PUBLIC AREA)

N.T.S



SOIL, WASTE, AND VENT - NORTH SIDE (TEAM AREA)

N.T.S

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STATE OF OHIO
JEFFREY D. ZELINSKI
63822
REGISTERED PROFESSIONAL ENGINEER

JEFFERY D. ZELINSKI, LICENSE #63822
EXPIRATION DATE 12/31/2027

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1		

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ATHLETIC FACILITY

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PROJECT NO: 263401.00
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SOIL, WASTE, AND VENT DIAGRAMS

P3.1

DUCTWORK INSULATION SCHEDULE

SYSTEM	INSULATION THICKNESS	TYPE	LOCATION	NOTES
SUPPLY AIR DUCT	1.5"	1	CONCEALED	
SUPPLY AIR DUCT	2"	2	EXPOSED	
SUPPLY AIR DUCT	2"	4	EXTERIOR	
OUTDOOR AIR DUCT & PLENUMS	1.5"	1	CONCEALED	
OUTDOOR AIR DUCT & PLENUMS	2"	2	EXPOSED	
RETURN AIR DUCT	-	-	CONCEALED	
RETURN AIR DUCT	-	-	EXPOSED	
RETURN AIR DUCT	2"	4	EXTERIOR	
EXHAUST AIR DUCT & PLENUMS	-	-	CONCEALED	
EXHAUST AIR DUCT & PLENUMS	-	-	EXPOSED	
LINED RETURN/TRANSFER AIR DUCT	1"	3	CONCEALED & EXPOSED	

TYPE	BASIS OF DESIGN	APPROVED EQUALS	DESCRIPTION
1	OWENS-CORNING SOFTR TYPE 75	KNAUF JM CERTAIN TEED	MATERIAL FIBERGLASS DUCT WRAP ON DUCT K = 0.30 @ 75 DEG. F. DENSITY - 0.75 PCF JACKET - FOIL REINFORCED JOINTS - OVERLAPPING STAPLE ALL JOINTS AT 6" CENTERS. FASTENERS - MECHANICAL ON 24" & WIDER DUCT. ADHESIVE - NONE TAPE - 3" WIDE
2	OWENS-CORNING TYPE 703	KNAUF JM CERTAIN TEED	MATERIAL FIBERGLASS BOARD ON DUCT K = 0.23 @ 75 DEG. F. DENSITY - 3.0 PCF JACKET - ASJ JOINTS - BUTT FASTENERS - METAL PINS & CLIPS ON 12" CENTERS ADHESIVE - NONE TAPE - 3" WIDE VAPOR PATCHED
3	OWENS-CORNING QUIET R ROTARY DUCT LINER	KNAUF JM CERTAIN TEED JOHNS MANVILLE	MATERIAL FIBERGLASS DUCT LINER K = 0.23 @ 75 DEG. F JACKET - NONE JOINTS - BUTT FASTENERS - METAL PINS & CLIPS ON 12" CENTERS ADHESIVE - COMPLIES WITH ASTM C916 TAPE - NONE LEADING EDGES - METAL NOSING
4	ARMACELL ARMATUFF PLUS	RUBATEX	MATERIAL CLOSED CELL FOIL FILM ELASTOMERIC ON DUCT K = 0.27 @ 75 DEG. F. DENSITY - 3.0 PCF JACKET - INTEGRAL JOINTS - BUTT EDGES WITH ADHESIVE FASTENERS - NONE ADHESIVE - COVER DUCT WITH 520 ADHESIVE TAPE - 4" WIDE ARMATUFF

NOTES:

DUCTWORK SYSTEMS SCHEDULE

DUCTWORK SYSTEMS	LOCATION	MATERIAL	SMACNA CLASS. SP. CONSTR.	SMACNA CLASS. SEAL CLASS	NOTES
RETURN AIR	CONCEALED	G1	-2"	C	
RETURN AIR	EXPOSED	G2	-2"	C	1
RETURN AIR	EXTERIOR	D2,D3	-2"	C	1
OUTDOOR RETURN/EXHAUST AIR	ALL	G1	-2"	C	
OUTDOOR SUPPLY AIR	ALL	G1	+4"	A	
EXHAUST AIR	CONCEALED	G1	-2"	C	
EXHAUST AIR	EXPOSED	G2	-2"	C	1
AIR TRANSFER	ALL	G1	-1"	NOT REQ'D.	
SUPPLY AIR - CONSTANT VOLUME	CONCEALED	G1	+3"	B	
SUPPLY AIR - CONSTANT VOLUME	EXPOSED	G2	+3"	B	1
SUPPLY AIR - CONSTANT VOLUME	EXTERIOR	D2,D3	+3"	B	1
FLEXIBLE DUCTWORK - SUPPLY	CONCEALED OR UNCONDITIONED	C1	+10" -5"	N.A.	
FLEXIBLE DUCTWORK - RET./EXH./TRANSFER	CONCEALED	C2	+10" -5"	N.A.	
COMBUSTION AIR	ALL	P1	-2"	A	2
EXHAUST FLUE	ALL	P2	+4"	A	2

DUCTWORK MATERIALS SCHEDULE

TYPE	MATERIAL	DESCRIPTION
C1	CHLORINATED POLYETHYLENE	BLACK INNER FABRIC WITH GALVANIZED STEEL HELIX REINFORICING, R = 6.0 (MIN.) FIBERGLASS INSULATION, REINFORCED METALIZED VAPOR BARRIER, 0.05 PERM, UL 181, CLASS 1 DUCT, MEET NFPA 90A & 90B, 25/50 FLAME/SMOKE SPREAD.
C2	CHLORINATED POLYETHYLENE	BLACK INNER FABRIC WITH GALVANIZED STEEL HELIX REINFORCING, R = 4.2 (MIN.) FIBERGLASS INSULATION, REINFORCED METALIZED VAPOR BARRIER, 0.05 PERM, UL 181, CLASS 1 DUCT, MEET NFPA 90A & 90B, 25/50 FLAME/SMOKE SPREAD.
D2	DOUBLE WALL - RECTANGULAR GALVANNEALED STEEL	MCGILL AIRFLOW RECTANGULAR-K27 DUCT OR EQUAL 20 GA. GALVANNEALED OUTER SHELL - SOLID METAL INNER LINER 2" THICK INSULATION, K = 0.27
D3	DOUBLE WALL - ROUND GALVANNEALED STEEL	MCGILL AIRFLOW DOUBLE WALL, ROUND DUCT UNI-RIB-K27 DUCT OR EQUAL 20 GA. GALVANNEALED OUTER SHELL - SOLID METAL INNER LINER 2" THICK INSULATION, K = 0.27
G1	GALVANIZED STEEL	24 GA. MIN., HOT DIPPED, GALVANIZED BOTH SIDES, G90 PER ASTM A653.
G2	GALVANNEALED STEEL	24 GA. MIN., HOT DIPPED, HEAT TREATED GALVANNEALED BOTH SIDES PER ASTM A653, PAINT UNIFORM GRAY MATTE APPEARANCE, A40 PER ASTM A653.
P1	POLYVINYL CHLORIDE	SCHEDULE 40 PVC PIPE, SOCKET ENDS PER ASTM 2665. SOLVENT WELDED JOINTS, DRAINAGE TYPE FITTINGS.
P2	CHLORINATED POLYVINYL CHLORIDE	SCHEDULE 80 CPVC PIPE PER ASTM F441, SOCKET END FITTINGS PER ASTM F439, SOLVENT WELDED JOINTS.

NOTES:
1. FIELD PAINTING OF EXPOSED & EXTERIOR DUCTWORK BY G.C.
2. APPLIES TO HVAC FURNACE UNITS AND DOMESTIC WATER HEATERS.

GENERAL NOTES - HVAC

1. PROVIDE COMPLETE AND FUNCTIONAL HVAC SYSTEMS PER HVAC PLANS INCLUDING FURNISHING, INSTALLING, TESTING AND WARRANTY OF ALL WORK.
2. WORK SHALL BE IN ACCORDANCE WITH THE 2024 OHIO BUILDING AND MECHANICAL CODES INCLUDING REFERENCED CODES AND STANDARDS, ALL FEDERAL, STATE, AND LOCAL CODES AND ALL APPLICABLE LAWS, ORDINANCES AND REGULATIONS.
3. WORK SHALL BE PERFORMED USING BEST QUALITY INSTALLATION PRACTICE BY A QUALIFIED TRADE CONTRACTOR AND THEIR QUALIFIED SUBCONTRACTORS. ALL CONTRACTORS SHALL BE LICENSED AND BE BONDED FOR THE WORK.
4. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH OSHA AND OWNER SAFETY STANDARDS AND PRACTICES. ALL ON SITE PERSONNEL SHALL BE SAFETY TRAINED AND OWNER CERTIFIED.
5. OBTAIN REQUIRED PERMITS RELATED TO THE WORK AND PAY ALL PERMIT AND INSPECTION FEES.
6. THE AUTHORITY HAVING JURISDICTION SHALL INSPECT AND APPROVE ALL WORK. PROVIDE A FINAL CERTIFICATE OF APPROVAL FROM THE AUTHORITY HAVING JURISDICTION AND PRESENT TO THE OWNER BEFORE REQUESTING FINAL PAYMENT AND RELEASE OF RETAINAGE.
7. ALL EQUIPMENT AND MATERIAL REQUIRED FOR COMPLETE AND FUNCTIONAL HVAC SYSTEMS ARE INCLUDED IN THE CONTRACT.

PIPING LEGEND

- INDICATES DIRECTION OF FLOW
- CD — CONDENSATE DRAIN
- L — REFRIGERANT - LIQUID
- S — REFRIGERANT - SUCTION
- HPG — REFRIGERANT - HIGH/LOW PRESSURE GAS
- S/L — REFRIGERANT - SUCTION & LIQUID, 2 PIPES TOTAL
- S/L/HG — REFRIGERANT - SUCTION, LIQUID, & HOT GAS 3 PIPES TOTAL
- 0.375"L, 0.875"S, 0.75"HPG — REFRIGERANT LINE SET BETWEEN CONDENSING UNIT AND BRANCH SELECTOR BOX.
0.375"L = LIQUID PIPE SIZE
0.875"S = SUCTION PIPE SIZE
0.75"HPG = HIGH PRESSURE/LOW PRESSURE GAS SIZE.
- 0.375"L, 0.625"S — REFRIGERANT LINE SET BETWEEN BRANCH SELECTOR BOX AND FAN COIL UNIT.
0.375"L = LIQUID PIPE SIZE
0.625"S = SUCTION PIPE SIZE
- FLEXIBLE CONNECTION
- CAP
- CONNECTION, BOTTOM
- CONNECTION, TOP
- CONNECTION, SIDE
- ELBOW, 90°, LONG RADIUS
- ELBOW, 45°, LONG RADIUS
- ELBOW, TURNED UP
- ELBOW, TURNED DOWN
- REDUCER
- UNION, SCREWED
- PIPE HOSE THREAD CONNECTION
- P — PRESSURE GAUGE
- TEMPERATURE GAUGE
- MV — AIR VENT
MV = MANUAL
AV = AUTOMATIC

DUCTWORK LEGEND

- 20/12 / 20/12 — RECTANGULAR DUCT
FIRST FIGURE IS SIDE SHOWN
- 10"ø / 10"ø — ROUND DUCT
DIAMETER INDICATED
- DOUBLE WALL DUCT
INTERIOR LINER PERFORATED
- DUCT WITH INTERIOR ACOUSTIC LINER
- FLEXIBLE FABRIC STEEL DUCT
- INSULATED FLEXIBLE DUCT
- R — CHANGE OF ELEVATION
R = RISE, D = DROP
- ELBOW WITH TURNING VANES

DUCT RUNOUTS - REFER TO DETAILS FOR FITTING TYPES

- 20/12 / 6"ø — RECTANGULAR MAIN / ROUND RUNOUT
- 20/12 / 10/10 — RECTANGULAR MAIN / RECTANGULAR RUNOUT
- 10"ø / 6"ø — ROUND MAIN / ROUND RUNOUT

- 8"ø / 8/8 — RECTANGULAR TO ROUND TRANSITION
- VOLUME DAMPER
- AUTOMATIC CONTROL DAMPER
REFER TO CONTROL DIAGRAMS FOR TYPE.
- S — DUCT MOUNTED SMOKE DETECTOR
- SUPPLY DUCT SECTION - RISE, DROP
- RETURN DUCT SECTION - RISE, DROP
- S1-8" / 300 — SUPPLY AIR DEVICE S1
SEE SCHEDULE AND DETAIL
8" NECK SIZE
300 = REQUIRED AIR FLOW (CFM)
- R1 — TRANSFER AIR DEVICE
R1 DEVICE TAG, SEE SCHEDULE AND DETAIL
- R1 / 300 — RETURN/EXHAUST
DEVICE TAG: R=RETURN, E=EXHAUST
300 = REQUIRED AIR FLOW (CFM)
DEVICE SIZE AS INDICATED IN AIR DEVICE SCHEDULE
- S2-24/12 / 300-8' 6" — SIDEWALL AIR DEVICE
SIDE AIR DEVICE SCHEDULE
24/12 = DEVICE SIZE
300 = AIR FLOW (CFM)
8' 6" = MOUNTING HEIGHT (AFF)

GENERAL LEGEND

EC	ELECTRICAL CONTRACTOR.
FC	FIRE PROTECTION CONTRACTOR.
GC	GENERAL CONTRACTOR.
HC	HVAC CONTRACTOR.
PC	PLUMBING CONTRACTOR.
TC	TEMPERATURE CONTROLS CONTRACTOR.
NIC	NOT IN CONTRACT.
AFF	ABOVE FINISHED FLOOR - TO BOTTOM OF ITEM UNLESS INDICATED OTHERWISE IN DRAWING.
3	NOTE SYMBOL - APPLIES ONLY TO SHEET ON WHICH IS SHOWN.
2	DETAIL NOTE SYMBOL - APPLIES ONLY TO DETAIL ON WHICH IS SHOWN.
H-1	EQUIPMENT REFERENCE SYMBOL. ELECTRICAL CONNECTION REQUIRED.
H-1	EQUIPMENT REFERENCE SYMBOL. NO ELECTRICAL CONNECTION REQUIRED.
123	ROOM NUMBER.
B / H2	DETAIL SYMBOL DETAIL "B" SHOWN ON SHEET H2.
A / H1	SECTION SYMBOL SECTION "A" DESIGNATION, SHOWN ON SHEET H1.
	NEW ITEM.

TEMPERATURE CONTROLS LEGEND

ABBREVIATIONS

A.I. -	ANALOG INPUT
A.O. -	ANALOG OUTPUT
AFMS -	AIR FLOW MEASURING STATION
BAS -	BUILDING AUTOMATION SYSTEM
DDC -	DIRECT DIGITAL CONTROLS
D.I. -	DIGITAL INPUT
D.O. -	DIGITAL OUTPUT
ECM -	ELECTRICALLY COMMUTATE MOTOR
E.W.T. -	ENTERING WATER TEMPERATURE
L.W.T. -	LEAVING WATER TEMPERATURE
M.C. -	MASTER CONTROLLER
N.O. -	NORMALLY OPEN
N.C. -	NORMALLY CLOSED
SCR -	SILICON CONTROLLED RECTIFIER
VFD -	VARIABLE FREQUENCY DRIVE

SENSORS & TRANSMITTERS

- T — TEMPERATURE SENSOR
- H — HUMIDITY SENSOR
- TH — COMBINATION TEMPERATURE & HUMIDITY SENSOR
- TC — COMBINATION TEMPERATURE & CARBON DIOXIDE SENSOR
- P — PRESSURE SENSOR
- N — NITROGEN DIOXIDE (NO_2) SENSOR
- CO_2 — CARBON DIOXIDE (CO_2) SENSOR
- C — CARBON MONOXIDE (CO) SENSOR
- COA — COMBINATION CARBON MONOXIDE & NITROGEN DIOXIDE SENSOR
- DP — DIFFERENTIAL PRESSURE SENSOR
- E — ENTHALPY SENSOR
- T — PIPE WELL TYPE TEMPERATURE SENSOR
- PW — PIPE WELL TYPE FLOW METER
- T — THERMOSTAT - LINE OR LOW VOLTAGE
- H — HUMIDISTAT
- R — RELAY

VALVES

- MOTORIZED TWO-WAY CONTROL VALVE
- MOTORIZED THREE-WAY CONTROL VALVE

DAMPERS

- M — MOTORIZED CONTROL DAMPER

OVER-RIDE TIMERS

- LV — OVERRIDE TIMER - LINE VOLTAGE
- OVERRIDE PUSH BUTTON - DIGITAL SIGNAL

GAUGES

- PDG — PRESSURE DIAL GAUGE - REFER TO SPECIFICATION FOR RANGES
  - AIRFLOW UNITS: IN. W.C.
  - WATER UNITS: PSI

SAFETY DEVICES

- WIRED DIRECTLY TO EQUIPMENT STARTER W/ MANUAL RESET
- SD — DUCTWORK SMOKE DETECTOR - RELAY & LOW VOLTAGE WIRING TO FAN CONTROLLER BY T.C.
- F — HIGH STATIC SAFETY SWITCH
- FS — FLOW SWITCH
- FZ — FREEZE STAT

HVAC CLIMATE DESIGN NOTES

1. THE HVAC SYSTEM IN THE BUILDING IS DESIGNED FOR A SUMMER INDOOR AIR TEMPERATURE OF 72°F AND A WINTER INDOOR AIR TEMPERATURE OF 68°F.
2. AIR TEMPERATURE DESIGN CONDITIONS:
   - A. SUMMER CONDITIONS:
     - a. OUTSIDE AIR: 90°F DRYBULB / 74°F WETBULB
     - b. RETURN AIR: 76°F DRYBULB / 50% RELATIVE HUMIDITY
   - B. WINTER CONDITIONS:
     - a. OUTSIDE AIR: 0°F DRYBULB
     - b. RETURN AIR: 66°F DRYBULB

VENTILATION NOTES

RTU-1 - GYM

PER OMC 403.2 AND TABLE 403.3.1.1
- GYM FLOOR AREA = 4200 SF, 7P / 1000 SF
  PEOPLE FLOW RATE = 29 (20 CFM) = 580 CFM
  AREA FLOW RATE = 0.18 (4200) = 756 CFM
- SEATING AREA = 727 SF = 220 P
  PEOPLE FLOW RATE = 220 (7.5) = 1650 CFM
  AREA FLOW RATE = 727 (0.06) = 44 CFM

RTU TOTAL VENTILATION AIR = 3,030 CFM

RTU-2 - LOCKER ROOMS

PER OMC 403.3.1.1 EXHAUST RATE = 0.25 CFM / SF
HOME LOCKER REQUIRED EXHAUST = 410 CFM
VISITOR LOCKER REQUIRED EXHAUST = 325 CFM
TOTAL EXHAUST = 735 CFM

RTU TOTAL VENTILATION AIR = 735 CFM

FC-1 - LOBBY

PER OMC 403.3.1.1
LOBBY = 52 P, 688 SF
PEOPLE FLOW RATE = 52 (5 CFM) = 260 CFM
AREA FLOW RATE = 688 (0.06) = 41 CFM
RESTROOM EXHAUST TOTAL = 300 CFM

FC-1 TOTAL VENTILATION AIR = 350 CFM

FC-2 - TRAINER & OFFICE

VENTILATION PER OMC 402
TRAINER = 237 SF, WINDOW OPENING = > 4%
OFFICE = 143 SF, WINDOW OPENING = > 4%

FC-3 (QTY 3) - WEIGHT ROOM (ALT G1)

VENTILATION PER OMC 402
WEIGHT ROOM = 2,604 SF, WINDOW OPENING = > 4%

HVAC INDEX OF DRAWINGS

SHEET	DRAWING TITLE
H0.1	LEGENDS, SCHEDULES & NOTES
H0.2	EQUIPMENT SCHEDULES
H0.3	EQUIPMENT SCHEDULES
H1.1	NEW WORK PLAN
H2.1	SECTIONS
H3.1	DETAILS
H3.2	DETAILS
H3.3	DETAILS

PIPING SYSTEMS - HVAC

PIPING SYSTEM	TYPE
COIL CONDENSATE DRAINAGE	C3, P1
REFRIGERANT COPPER TUBE	R1
REFRIGERANT COPPER COIL	R2

TYPE	DESCRIPTION	TYPE	DESCRIPTION
C3	SOLDERED COPPER TYPE "DWV" HARD COPPER ASTM B88 CAST DWV COPPER FITTINGS 95-5 SOLDER	P1	PVC SCHEDULE 40 PVC ASTM D2665 DWV FITTINGS, ASTM D3311 GLUED JOINTS
R1	COPPER TUBE REFER TO SPECIFICATION 23 2300.	R2	COPPER COIL REFER TO SPECIFICATION 23 2300.

PIPE INSULATION SCHEDULE

SYSTEM & SIZE	INSULATION THICKNESS	TYPE	LOCATION
REFRIGERANT LIQUID	0.75"	E1, E2	INTERIOR/EXTERIOR
REFRIGERANT HOT GAS	0.75"	E1, E2	INTERIOR/EXTERIOR
REFRIGERANT SUCTION	0.75"	E1, E2	INTERIOR/EXTERIOR
COOLING COIL CONDENSATE	0.5"	E1	INTERIOR

TYPE	BASIS OF DESIGN	APPROVED EQUALS	DESCRIPTION
E1	AEROFLEX #AEROCEL EPDM	- ARMACELL - RUBATEX	FLEXIBLE, PRE-FORMED, CLOSED CELL, EPDM ELASTOMERIC TUBULAR INSULATION, OR SHEET INSULATION. K=0.25 @ 75 DEG. F. CLEAN PIPE SURFACE WITH DENATURED ALCOHOL PRIOR TO INSULATING. PROVIDE 0.20" ROLL ALLOY ALUMINUM EMBOSSED JACKET, SEAM SIDE DOWN WITH 0.50" WIDE, 0.015" S.S. STRAP AND SEALS EQUAL TO PABCO-CHILDERS METALS/GERRARD FOR EXTERIOR PIPING.
E2	ARMACELL #AP ARMAFLEX FS	- AEROFLEX - RUBATEX	FLEXIBLE, PRE-FORMED, CLOSED CELL, ELASTOMERIC TUBULAR INSULATION. CLEAN PIPE SURFACE WITH DENATURED ALCOHOL PRIOR TO INSULATING. K=0.25 @ 75 DEG. F. 25/50 FLAME/SMOKE RATING. PROVIDE 0.20" ROLL ALLOY ALUMINUM EMBOSSED JACKET, SEAM SIDE DOWN WITH 0.50" WIDE, 0.015" S.S. STRAP AND SEALS EQUAL TO PABCO-CHILDERS METALS/GERRARDFOR EXTERIOR...

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JEFFREY D. ZELINSKI, LICENSE #63822
EXPIRATION DATE 12/31/2027

REVISIONS :

Number	Description	Date

PRINTINGS :
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BID SET

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BRADFORD EVSD

ATHLETIC FACILITY

750 Railroad Ave, Bradford, OH 45308

BRADFORD RAILROADERS

PROJECT NO: **263401.00**
CHECKED BY: **Checker**
DRAWN BY: **Author**
DATE: **07/06/2026**

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LEGENDS, SCHEDULES & NOTES

H0.1

FAN & ROOF VENTILATOR SCHEDULE

BASIS OF DESIGN - GREENHECK

REFER TO SPECIFICATIONS FOR OTHER MANUFACTURERS

VFD DRIVEN MOTORS SHALL BE PROVIDED WITH SHAFT GROUNDING RINGS, VFD DUTY MOTORS.

REFER TO FAN INSTALLATION DETAILS FOR RESPECTIVE MOUNTING TYPE.

REFER TO DETAIL(S) FOR FANS PROVIDED WITH HOA CONTROLLERS.

FOR CONTROLS & SEQUENCE OF OPERATIONS, REFER TO CONTROLS DIAGRAMS SHEETS.

PROVIDE 14" HIGH ROOF CURB FOR ROOF MOUNTED FANS AND ROOF VENTILATORS UNLESS OTHERWISE NOTED.

TAG	SERVICE	AREA	DESCRIPTION	MODEL NUMBER & SIZE	ROOF OPENING (L x W)	CAPACITY			ELECTRICAL		ELECTRIC				DRIVE TYPE		MOUNTING				APPLICATION			ACCESSORIES & OPTIONS								CONTROLS					
						AIRFLOW (CFM)	E.S.P. (IN. W.C.)	SPEED (RPM)	MOTOR HP	V/PH	DISCONNECT WITH FAN	DISCONNECT BY E.C.	VFD	ECM	DIRECT	BELT	ROOF CURB	BASE/FLOOR	SUSPENDED, INLINE	WALL	CEILING	UL 705 GREASE RATED	UL 864 SMOKE CONTROL	HIGH TEMP (ABOVE 200 °F)	EXPLOSION PROOF	VIBRATION ISOLATION	INSULATION HOUSING	THERMAL CONTROL	SLOPING ROOF CURB	HINGED ROOF CURB	CURB EXTENSION	POWDER COAT FINISH	EPOXY INTERIOR FINISH	DDC CONNECTION	MANUAL/ON/OFF SWITCH	DIAL SPEED CONTROLLER	HOA CONTROLLER	MOTORIZED DAMPER	GRAVITY DAMPER	NOTES
EF-1	EXHAUST	LOCKER RMS	IN-LINE	SQ-7-MI-VG	NA	735	0.75	2867	1/2	120 / 1	●			●	●				●							●										●	●		
EF-2	EXHAUST	LOBBY RXR	IN-LINE	SQ-98-VG	NA	310	0.75	1550	1/4	120 / 1	●			●	●				●							●										●	●		

NOTES:

1. DIAL SPEED CONTROLLER MOUNTED REMOTE ON WALL. REFER TO HVAC LPANS FOR LOCATION.
2. DIAL SPEED CONTROLLER MOUNTED ON FAN FOR BALANCING
3. MOTORIZED DAMPER PROVIDED AND INSTALLED BY H.C., E.C. TO PROVIDE POWER TO DAMPER ACTUATOR.
4. MANUAL ON/OFF SWITCH MOUNTED REMOTE. REFER TO ELECTRICAL PLAN FOR LOCATION.

AIR DEVICE SCHEDULE

GENERAL NOTES

AIR DEVICES BASED ON PRICE EQUAL BY TITUS, TUTTLE & BAILEY

MAXIMUM SOUND LEVEL AT NC-25 AT INDICATED AIR FLOW.

BALANCING DAMPER GENERALLY PROVIDED IN DUCT, NOT AT DEVICE.

STANDARD WHITE BAKED ACRYLIC FINISH UNLESS NOTED OTHERWISE.

DIFFUSERS SHALL BE 4-WAY THROW UNLESS OTHERWISE NOTED OR INDICATED ON DRAWINGS.

VERIFY CEILING TYPE AND PROVIDE APPROPRIATE MOUNTING FRAME WHERE REQUIRED.

TAG	DESCRIPTION	MODEL NO.	MATERIAL	ACCESSORIES	NOTES
S1 & S1A	2'X2' SQUARE PLAQUE DIFFUSER ROUND DUCT CONNECTION	SPD (ASPD)	STEEL (A) = ALUMINUM	INSULATED BACKPAN (STYLE 31)	
S2	LOUVERED SUPPLY GRILLE DOUBLE DEFLECTION W/ LONG FRONT BLADES 3/4" BLADE SPACING	520	STEEL	BALANCING DAMPER	
S3	HIGH CAPACITY DRUM LOUVER 48"L x 10"T	HCD1	STEEL		
R1	RETURN GRILLE DEVICE SIZE - 24" X 24" 45° HORIZONTAL BLADES 1/2" SPACING	635	ALUMINUM	RETURN AIR CANOPY	
R2	RETURN GRILLE DEVICE SIZE - 24" X 12" 45° HORIZONTAL BLADES 1/2" SPACING BLADES PARALLEL TO LONG DIMENSION	635	ALUMINUM	RETURN AIR CANOPY	
R3	LOUVERED FACE SIDE WALL RETURN GRILLE DEVICE SIZE - INDICATED ON PLAN 45° HORIZONTAL BLADES 1/2" SPACING BLADES PARALLEL TO LONG DIMENSION	635	ALUMINUM		
R4	HEAVY DUTY RETURN GRILLE DEVICE SIZE - 36" X 24" 45° HORIZONTAL BLADES 3/4" SPACING BLADES PARALLEL TO LONG DIMENSION	96	STEEL	BALANCING DAMPER	
E1	EXHAUST GRILLE DEVICE SIZE - 12 X 12" 45° HORIZONTAL BLADES 1/2" SPACING	635	ALUMINUM		
E2	LOUVERED FACE SIDE WALL EXHAUST GRILLE DEVICE SIZE - INDICATED ON PLAN 45° HORIZONTAL BLADES 1/2" SPACING BLADES PARALLEL TO LONG DIMENSION	635	ALUMINUM	BALANCING DAMPER	

NOTES:

1.

LOUVER SCHEDULE

GENERAL NOTES

BASIS OF DESIGN: GREENHECK
EQUAL BY: POTTORFF, RUSKIN, AIROLITE

MAXIMUM 500 FPM ON INTAKE LOUVERS, MAXIMUM 1000 FPM ON EXHAUST LOUVERS.
MINIMUM 50% FREE AREA

PRIME COAT PAINT COLOR. FINAL COLOR SELECTION BY ARCHITECT, PAINTED BY G.C.

TAG	DESCRIPTION	MODEL NO.	MATERIAL	ACCESSORIES	NOTES
L1	FIXED BLADE LOUVER DEVICE SIZE - 18"x18" LOUVER FRAME SIZE - 2" FRAME	ESJ-202	ALUMINUM	BLACK BIRDSCREEN	1
L2	FIXED BLADE LOUVER DEVICE SIZE - 14"x14" LOUVER FRAME SIZE - 2" FRAME	ESJ-202	ALUMINUM	BLACK BIRDSCREEN	1
L3	FIXED BLADE LOUVER DEVICE SIZE - 18"x18" LOUVER FRAME SIZE - 2" FRAME	ESJ-202	ALUMINUM	BLACK BIRDSCREEN	1

NOTES:

1. LOUVER FACTORY PRIME PAINTED. FINAL FINISH PAINT BY G.C.

ELECTRIC UNIT HEATER SCHEDULE

GENERAL NOTES

BASIS OF DESIGN: QMARK, OR EQUAL BY MARLEY.

UNIT NO.	DESCRIPTION	MANUFACTURER / MODEL	MOUNTING	CAPACITY (KW)	AIR FLOW (CFM)	DIMENSIONS			ELECTRICAL		NOTES
						L (IN.)	D (IN.)	H (IN.)	AMPS	V/PH	
EUH-1	FAN FORCED WALL HEATER	RAYWALL AFA SERIES	WALL RECESSED	1.5	100	14-1/8"	4"	19-1/2"	12.5	120 / 1	1, 2

NOTES:

1. ELECTRICAL - PROVIDE UNIT WITH DISCONNECT SWITCH.
2. CONTROLS - PROVIDE UNIT WITH LINE VOLTAGE THERMOSTAT MOUNTED ON UNIT.

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EQUIPMENT SCHEDULES

H0.2

COOLING/HEATING SPLIT SYSTEMS

GENERAL NOTES:

GAS DELIVERY PRESSURE - 7" W.C.

REFRIGERANT PIPING - SIZES LISTED ARE APPROXIMATE AND ARE BASED ON SINGLE CIRCUITING. SIZING, NUMBER OF PIPES AND CIRCUITS, ARRANGEMENT, ETC. SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

ELECTRIC SERVICES FOR OUTDOOR UNIT AND INDOOR UNIT - SINGLE POWER SERVICE TO EACH UNIT BY ELECTRICAL CONTRACTOR. ADEQUACY OF LISTED CIRCUIT SIZES MUST BE VERIFIED BY HVAC CONTRACTOR AND UNIT SUPPLIER. COST FOR INCREASE OR CHANGE OF ELECTRICAL SERVICE FOR EQUIPMENT SELECTED SHALL BE BORNE BY HVAC CONTRACTOR.

SYSTEM NUMBER			FC-1 & AC-1	FC-2 & AC-2			
AREA SERVED			LOBBY	TRAINER			
DESCRIPTION			SPLIT SYSTEM GAS FURNACE	SPLIT SYSTEM GAS FURNACE			
UNIT CONFIGURATION			VERTICAL UPFLOW	VERTICAL UPFLOW			
INDOOR UNIT	FAN	CFM	1,025	1,000			
		EXTERNAL S.P.	0.5"	0.5"			
		MOTOR HP	0.75	0.5			
		VOLTAGE & PHASE	120 / 1	120 / 1			
	COOLING	TOTAL MBH	36	24			
		SENSIBLE MBH	27	18			
		DB ENTERING AIR	79	78			
		WB ENTERING AIR	65	65			
		COIL LEAVING AIR DB/WB	55 / 54	55 / 54			
	HEATING	HEATING MBH (OUTPUT)	77.6	58			
		GAS - CFH	80	60			
		ENTERING AIR TEMP.	46	70			
		AFUE	98%	98%			
	HUMIDIFIER	#/DAY	--	--			
		CARRIER MODEL #	--	--			
	OUTSIDE AIR		350	0			
	MCA/MOCP		11.4 / 15	8.1 / 15			
OUTDOOR UNIT	REFRIGERANT, CHARGE		83 oz	74 oz			
	NOMINAL TONS		3	2			
	MCA/MOCP		22.4 / 25	16.8 / 20			
	VOLTAGE & PHASE		208 / 1	208 / 1			
	MOUNTING		ON GRADE	ON GRADE			
	SEER		16.6	18			
REFRIGERANT			R32	R32			
HOT GAS BY-PASS			--	--			
BASIS OF DESIGN (MFR)			DAIKIN DC6VSA361W DM97MC0804CN	DAIKIN DC6VSA241W DM97MC0603BN			

NOTES:

1. PROVIDE BACNET / WIFI THERMOSTATS.
2. EQUAL MANUFACTURERS: TRANE, CARRIER, BRYANT

PACKAGED ROOFTOP UNITS 7413

UNIT TAG	RTU-1	RTU-2	
BASIS OF DESIGN	DAIKIN	DAIKIN DPSC05B	
SERVICE	GYM	LOCKERS	
MOUNTING	ON GRADE	ON GRADE	
EVAPORATOR FAN			
AIRFLOW (CFM)	7,500	1,450	
ESP. (" W.G.)	1.5	1.0	
FAN TYPE	SWSI - AF	SWSI - AF	
VARIABLE FREQUENCY DRIVE	YES	NO	
RELIEF FAN			
AIRFLOW (CFM)	--	--	
ESP. (" W.G.)	--	--	
FAN TYPE	--	--	
VARIABLE FREQUENCY DRIVE	--	--	
FILTER			
PRE-FILTER	2" MERV 8	2" MERV 8	
FINAL FILTER	4" MERV 14	4" MERV 14	
COOLING - BASED ON 95/76 (DB/WB) O.A. & 78 DB, 50% RH R.A.			
TOTAL (MBH)	286	56.2	
SENSIBLE (MBH)	212.6	41.4	
ENTER. AIR (DB/WB)	81.5 / 67.1	83.1 / 68.4	
SUPPLY AIR (DB/WB)	54 / 54	55 / 55	
EER	10.7	12.5	
HOT GAS REHEAT			
TOTAL (MBH)	129.1	22.8	
ENTER. AIR (DB/WB)	54 / 54	55 / 55	
LEAV. AIR (DB)	70	70	
HEATING - REQ. NATURAL GAS INPUT PRESSURE: 4.5" W.C. MIN./14" W.C. MAX.			
GAS INPUT (MBH)	600	120	
OUTPUT (MBH)	486	97.2	
ENTER. AIR DB	40	35	
SUPPLY AIR (DB/WB)	7,500	1,450	
ELECTRIC			
MCA	62.5	18	
MOCP	80	25	
VOLTAGE/HZ/PHASE	460 / 3	460 / 3	
PHYSICAL UNIT DATA			
LENGTH	202"	84.5"	
WIDTH	76.5"	53"	
HEIGHT - NOT INCLUDING CURB	72"	69.5"	
MAX UNIT OP. WEIGHT (LBS)	4,125	1,045	

NOTES:

1. PROVIDE 5-YEAR COMPRESSOR WARRANTIES.
2. PROVIDE STANDARD 2" PLEATED MERV 8 FILTERS.
3. PROVIDE 10-YEAR S.S. HEAT EXCHANGER PARTS-ONLY WARRANTY.
4. SEE ROOFTOP UNIT MOUNTING DETAIL, DETAIL _, SHEET H_._.
5. COOLING COIL CONDENSATE TRAP PER DETAIL _, SHEET H_._
6. PROVIDE MULTIPLE ROOM SENSOR LOCATIONS. SEE PLANS FOR LOCATIONS.
7. TIE SMOKE DETECTORS INTO BUILDING FIRE ALARM SYSTEM. COORDINATE MANUFACTURER/TYPE.

CONDENSING UNIT SCHEDULE - ALT. G1

BASIS OF DESIGN: DAIKIN
EQUAL BY: MITSUBISHI, LG

UNIT	BRANCH SELECTOR SERVED	AREA SERVED	COOLING CAPACITY	HEATING CAPACITY	REFRIGERANT PIPING			MAX PIPING LENGTH (FT)	REFRIGERANT			ELECTRICAL			DIMENSIONS			UNIT WEIGHT (LBS)	MODEL NO.	NOTES
			MBH @ 95°F	MBH @ 0°F	GAS	LIQUID	H/L PRESSURE		TYPE	FACTORY CHARGE (LBS)	ADDITIONAL CHARGE (LBS)	V/PH	MCA	MOCP	WIDTH	DEPTH	HEIGHT			
AC-3	--	WEIGHT ROOM	114	85.3	--	--	--	--	R32	23.6	--	460 / 3	18.2	25	48"	30"	65"	754	RXYA120AAYDA	1

NOTES:

1. FINAL REFRIGERANT CHARGE BY H.C. AMOUNT MAY VARY DEPENDING ON PIPING ARRANGEMENT AND LENGTHS.

FAN COIL UNIT SCHEDULE - ALT G1

BASIS OF DESIGN: DAIKIN
EQUAL BY: MITSUBISI, LG

- COOLING CAPACITIES BASED ON 90°F DB / 74°F WB OUTDOOR AIR TEMP., HEATING BASED UPON 0°F OUTDOOR AIR TEMP.

UNIT	DESCRIPTION	MOUNTING	CONDENSING UNIT	BRANCH SELECTOR	CFM	E.S.P.	COOLING CAPACITY				HEATING CAPACITY		REFRIGERANT PIPING		ELECTRICAL			CABINET DIMENSIONS			UNIT WEIGHT (LBS)	MODEL NO.	NOTES
							SENS. MBH	TOTAL MBH	EAT (DB/WB)	LAT (DB/WB)	MBH	EAT / LAT	GAS	LIQUID	V/PH	MCA	MOCP	WIDTH	DEPTH	HEIGHT			
FC-1, 2, 3	CEILING CASSETTE	CEILING STRUCTURE	AC-3	--	1200	--	--	36	--	--	40	--	--	--	208 / 1	1.6	15	33"	33"	14"	58	FXFA36AAVJH	

NOTES:

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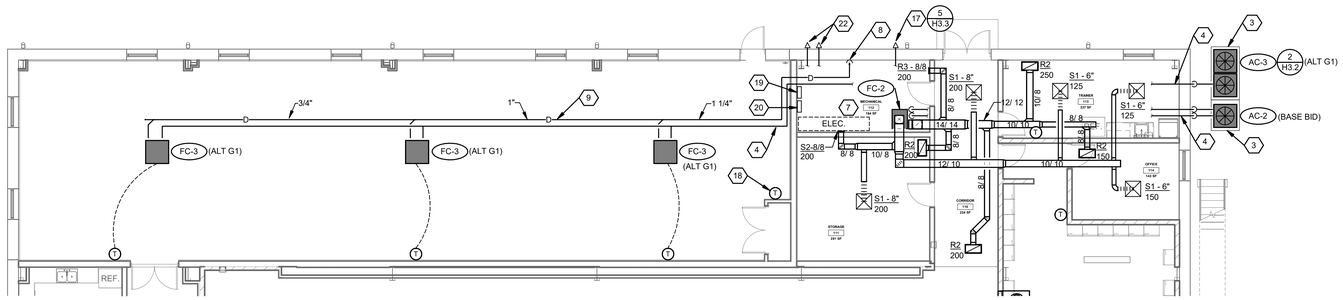
EQUIPMENT SCHEDULES

H0.3

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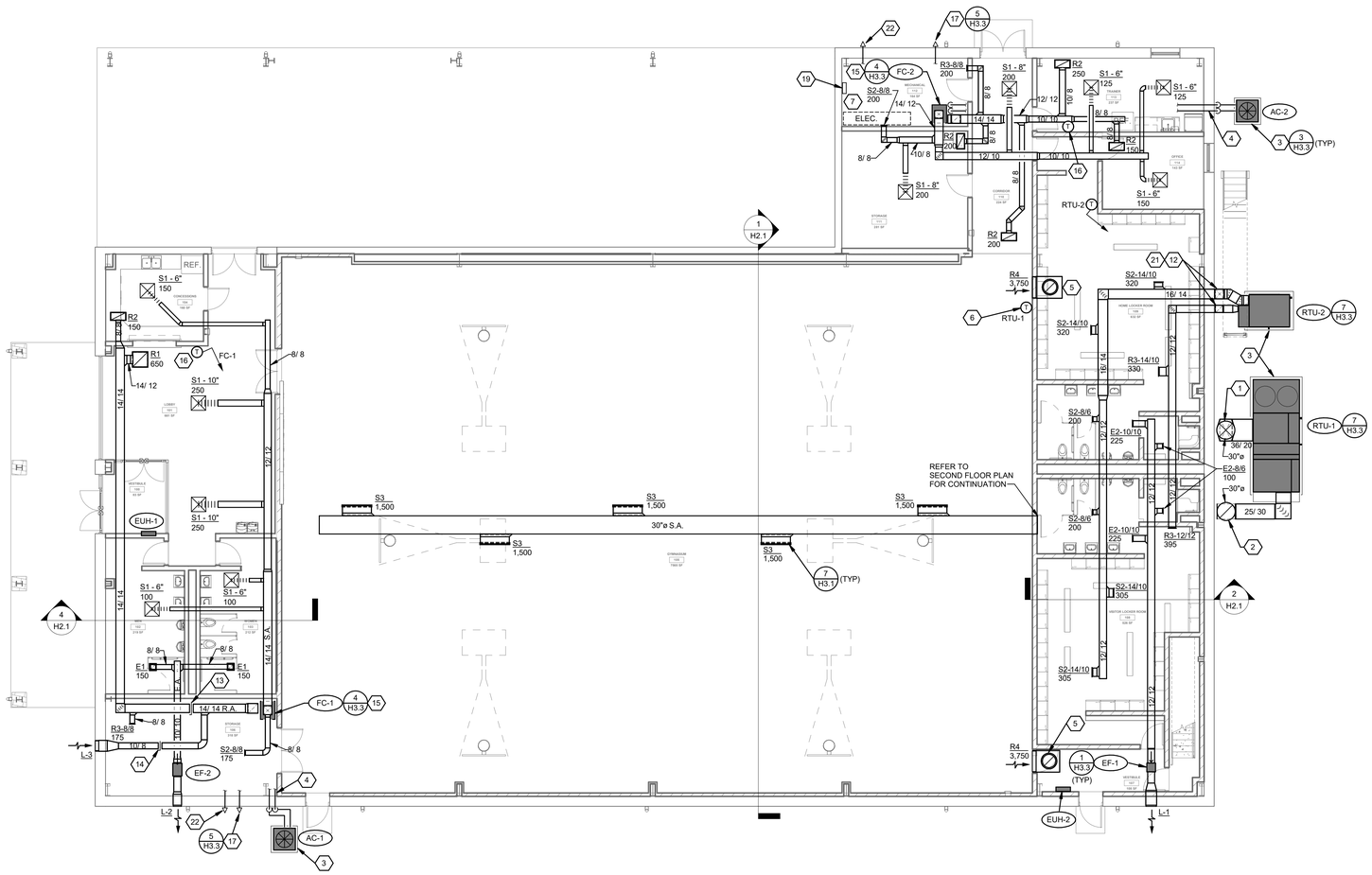
CONSTRUCTION NOTES

1. DOUBLE WALL SUPPLY DUCTWORK UP BUILDING TO SECOND FLOOR.
2. DOUBLE WALL RETURN AIR DUCTWORK UP BUILDING TO SECOND FLOOR.
3. PROVIDE CONCRETE EQUIPMENT PAD.
4. REFRIGERANT LINE SET. SIZE PER EQUIPMENT MANUFACTURERS RECOMMENDATIONS.
5. PROVIDE RETURN PLENUM OFF BACK OF RETURN GRILLE. ROUND RETURN DUCT FROM ABOVE CONNECTS TO THE TOP OF THE PLENUM.
6. PROVIDE WIRE GUARD OVER THERMOSTAT.
7. ELECTRICAL GEAR, NO DUCT OR PIPING RUN OVERHEAD.
8. DROP CONDENSATE DRAIN TO FLOOR DRAIN.
9. SLOPE DRAIN PIPE TOWARDS MECHANICAL ROOM FLOOR DRAIN.
10. DUCT DROPS THROUGH FLOOR INTO RETURN GRILLE PLENUM.
11. EXTERIOR DUCTS DOWN TO UNIT ON GRADE.
12. SUPPLY AND RETURN DUCT UP EXTERIOR TO JUST UNDER SECOND FLOOR SLAB.
13. RETURN AIR DAMPER - BALANCE TO 675 CFM.
14. OUTDOOR AIR DAMPER - BALANCE TO 350 CFM.
15. PROVIDE PVC INTAKE AND EXHAUST FLUE FROM FURNACE TO BUILDING SIDE WALL. REFER TO DETAIL.
16. BACNET / WIFI THERMOSTAT.
17. CONCENTRIC PVC VENT FROM FURNACE.
18. PROVIDE STAND-ALONE BACNET / WIFI THERMOSTAT. NOT CONNECTED TO EQUIPMENT, USED FOR REMOTE AUDITORIUM ONLY.
19. BACNET / MSTP TO BACNET / IP GATEWAY BY H.C. RUN TWISTED PAIR FROM RTU-1 AND RTU-2 TO GATEWAY. CAT-6 CABLE TO DATA RACK BY OWNER.
20. ALT. G1 VRF CENTRAL CONTROLLER.
21. EXTERIOR WALL PENETRATION FRAMING AND FLASHING BY PRE-ENGINEERED BUILDING MANUFACTURER.
22. PROVIDE CONCENTRIC PVC VENT SYSTEM FROM DOMESTIC WATER HEATER. HEATER BY P.C.



FIRST FLOOR PLAN - ALT G1

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



FIRST FLOOR PLAN

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

SECOND FLOOR PLAN

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

0 4 8 16 24 32 40

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

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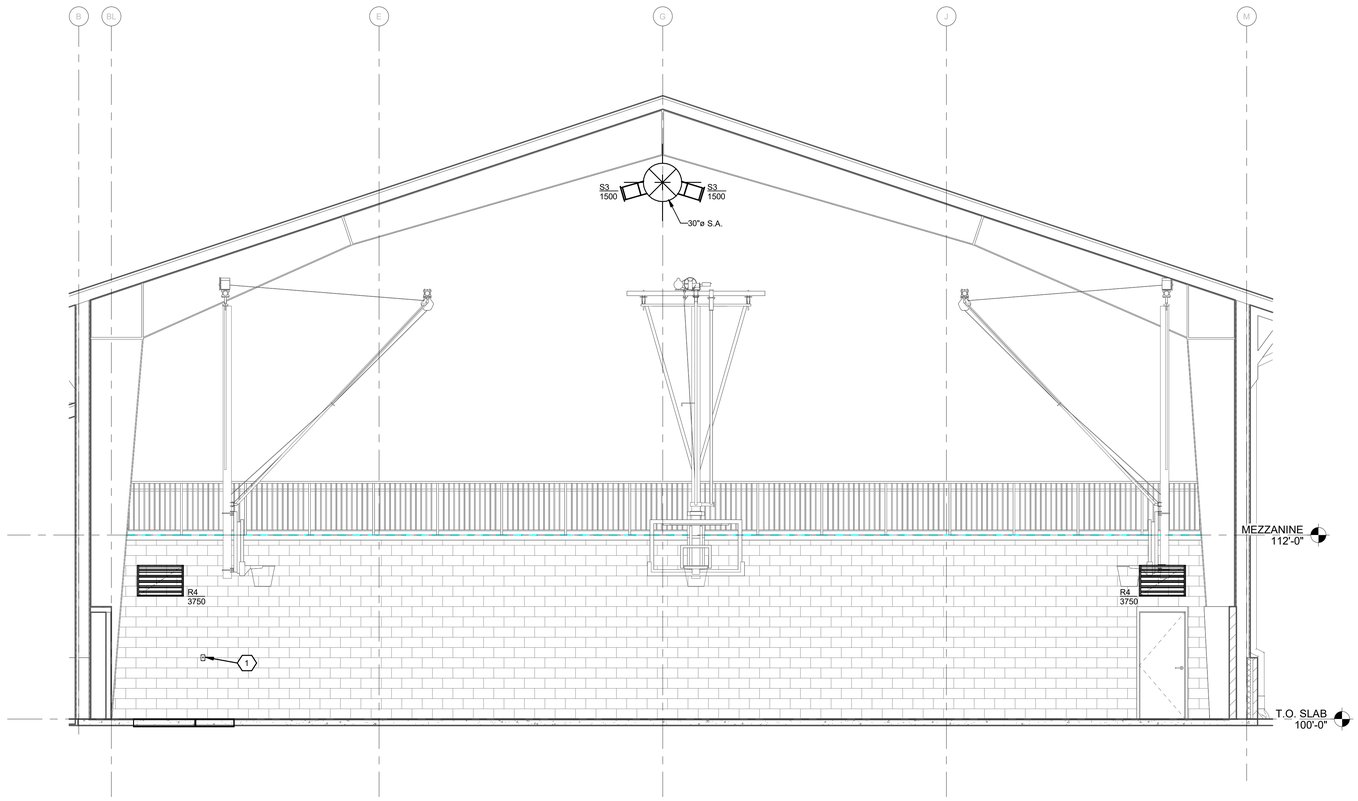
NEW WORK PLAN

H1.1

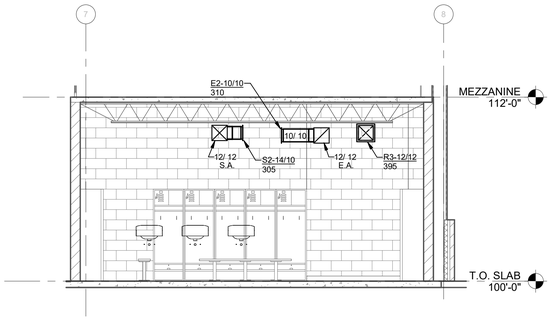
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CONSTRUCTION NOTES

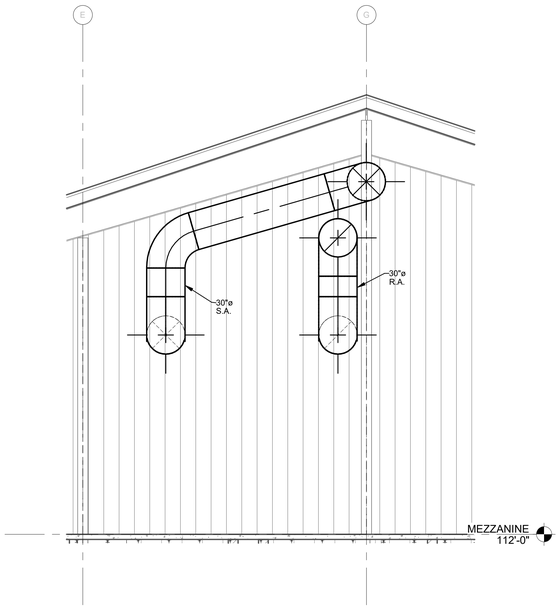
1. RTU-1 THERMOSTAT WITH PROTECTIVE WIRE GUARD.
2. ANGLE SUPPORT FROM SIDE WALL. P.C. WILL UTILIZE FOR PIPE HANGERS.



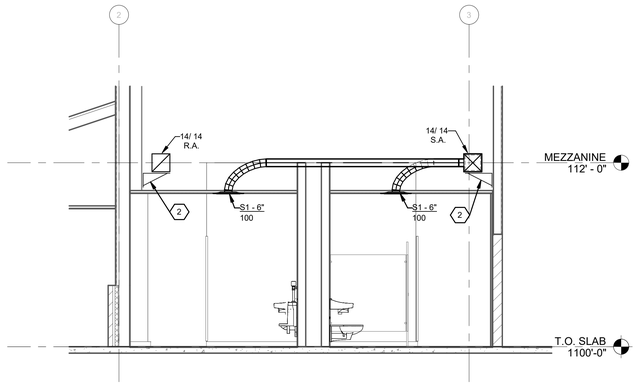
1 LOOKING NORTH THRU GYMNASIUM
SCALE: 1/4" = 1'-0"



2 LOOKING WEST THRU LOCKER ROOMS
SCALE: 1/4" = 1'-0"



3 LOOKING NORTH THRU MEZZANINE
SCALE: 1/4" = 1'-0"



4 LOOKING WEST THRU RESTROOMS
SCALE: 1/4" = 1'-0"

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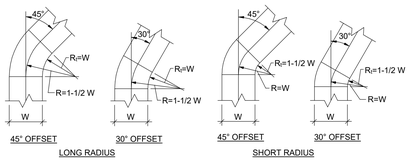
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SECTIONS

H2.1

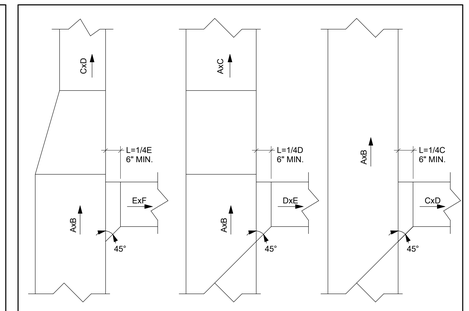
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NOTES:

1. USE ONLY LONG RADIUS ELBOWS ON KITCHEN HOOD AND DISHWASHER HOOD EXHAUST DUCTWORK.
2. USE LONG RADIUS ELBOWS ON ALL DUCTWORK SYSTEMS WHERE POSSIBLE OR UNLESS OTHERWISE INDICATED.
3. ONLY WHEN IT IS IMPOSSIBLE TO USE LONG RADIUS ELBOWS, USE LARGEST POSSIBLE RADIUS WITH A MINIMUM RADIUS EQUAL TO THAT OF A SHORT RADIUS ELBOW.

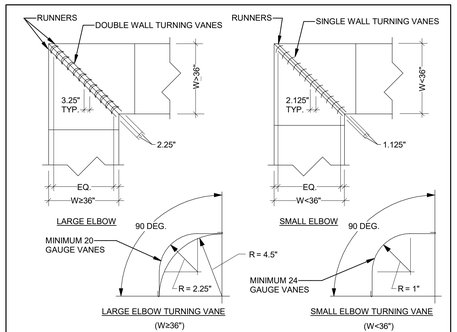
1 DUCT FITTINGS - RECTANGULAR N.T.S. — **45° & 30° RADIUS ELBOW**



NOTES:

1. DIMENSIONS A, B, C, D, E, AND F AS INDICATED ON THE DRAWINGS.
2. TRANSITIONS MAY BE FLAT ON TOP, FLAT ON BOTTOM OR CONCENTRIC.
3. SAME FOR RETURN AND EXHAUST DUCTS EXCEPT AIRFLOW IS REVERSED.
4. TAP HEIGHT DIMENSION SHOULD BE 2" SMALLER THAN MAIN DUCT HEIGHT.

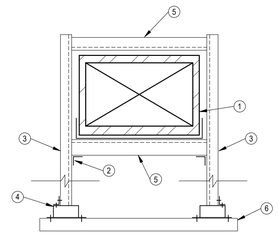
2 DUCT FITTINGS - RECTANGULAR N.T.S. — **90° SIDE TAP**



NOTES:

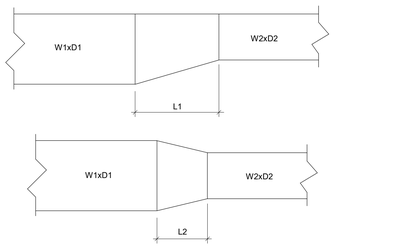
1. ALL VANES SHALL BE SECURE AND STABLE IN OPERATING POSITION.
2. VANES SHALL BE SECURELY FASTENED TO RUNNERS.
3. INSTALL VANES IN SECTIONS OR USE TIE RODS TO LIMIT THE UNBRACED LENGTH TO 60".
4. VANES ARE NOT TO HAVE TRAILING EDGES.

3 DUCT FITTINGS - RECTANGULAR N.T.S. — **90° MITERED ELBOW**



1. DOUBLE WALL DUCT.
2. UNISTRUT 90 DEGREE SUPPORT CLIP.
3. PVC-COATED UNISTRUT SUPPORT.
4. PVC-COATED UNISTRUT POST BASE. PROVIDE ATTACHMENT CLIP. FASTEN TO CURB, CAP & SEAL WATERTIGHT.
5. PVC-COATED UNISTRUT SUPPORT - TOP & BOTTOM. DUCT MOUNTING HEIGHT MIN. 48".
6. EXTERIOR EQUIPMENT PAD. REFER TO DETAIL.

4 DUCT SUPPORTS N.T.S. — **ON GRADE**

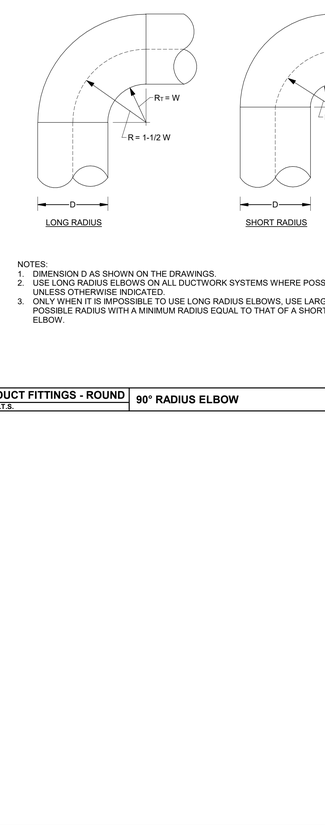


NOTES:

1. USE ONLY LONG RADIUS ELBOWS ON KITCHEN HOOD AND DISHWASHER HOOD EXHAUST DUCTWORK.
2. USE LONG RADIUS ELBOWS ON ALL DUCTWORK SYSTEMS WHERE POSSIBLE OR UNLESS OTHERWISE INDICATED.
3. ONLY WHEN IT IS IMPOSSIBLE TO USE LONG RADIUS ELBOWS, USE LARGEST POSSIBLE RADIUS WITH A MINIMUM RADIUS EQUAL TO THAT OF A SHORT RADIUS ELBOW.

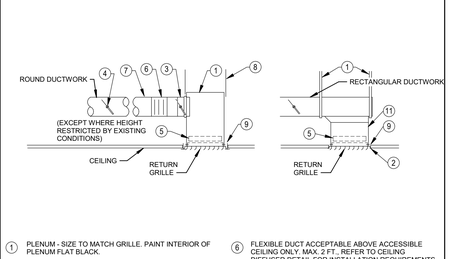
NOTE:
ELBOWS WITH 90 DEGREE SQUARE ON INSIDE RADIUS ARE NOT ACCEPTABLE.

5 DUCT FITTINGS - RECTANGULAR N.T.S. — **90° RADIUS ELBOW**



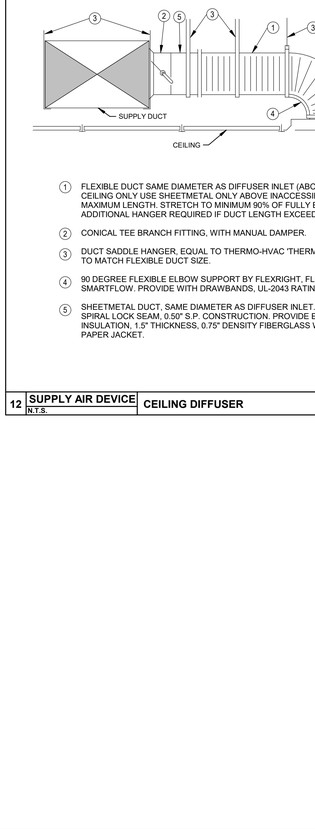
1. RECTANGULAR DUCT. SUPPLY, RETURN OR EXHAUST.
2. CONICAL TEE BRANCH FITTING.
   - FLANGED CONNECTION WHERE RECTANGULAR DUCT IS DEEP ENOUGH SUCH THAT FLANGE DOES NOT OVERLAP THE EDGES OF RECTANGULAR DUCT.
   - SPIN-IN TYPE WHERE FLANGE WOULD OTHERWISE OVERLAP RECTANGULAR EDGES.
3. PROVIDE WITH MANUAL BALANCING DAMPER WHERE BRANCH DUCT EXTENDS TO AN AIR DEVICE.

6 DUCT FITTINGS - RECTANGULAR N.T.S. — **RECTANGULAR MAIN, ROUND TEE FITTING**



1. SPIRAL TYPE SUPPLY DUCT.
2. COUPLING & BAND HANGER. PROVIDE HANGER AT EACH JOINT.
3. DAMPER BLADE BRACKET WITH BALL JOINT.
4. CUT OPENING INSIDE OF ROUND DUCT FOR AIR DEVICE TAKE-OFF FITTING.
5. 12 GA. SHEETMETAL MOUNTING PLATE. FASTEN TO DUCT.
6. CONTINUOUS HINGE AND BRACKET.
7. 12 GA. SHEETMETAL DAMPER.
8. 3/8" DIAMETER THREADED ROD. PROVIDE DOUBLE LOCK NUT ON THREADED ROD FOR ADJUSTMENT.
9. 45 DEG. 16 GA. SHEETMETAL ENTRY TAP.
10. AIR DEVICE.
11. MANUAL DAMPER.

7 SUPPLY AIR DEVICE N.T.S. — GYMNASIUM SUPPLY, DUCT MOUNTED



WALL ELEVATION

1. THERMADUCT.
2. EXTERIOR WALL.
3. UNISTRUT SUPPORT. ALL FOURS SIDES OF DUCT.
4. SECURE UNISTRUT TO EXTERIOR WALL.
5. UNISTRUT ANGLE SUPPORT.
6. ANGLED ANCHOR BRACKET.
7. EPDM FOAM GASKET.
8. SUPPORT BRACKET.
9. #14 HWH STAINLESS SELF-TAP SMS, W / PAINTED HEX HEAD.
10. CAULK.

GENERAL NOTES

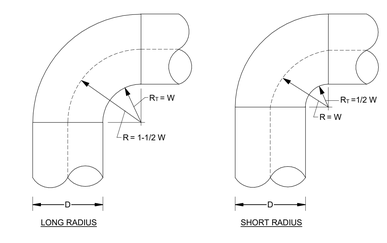
1. REFER TO MANUFACTURERS INSTRUCTIONS FOR VERTICAL SUPPORT INSTALLATION.
2. PAINT DUCT & SUPPORT TO MATCH WALL COLOR.

8 DUCT SUPPORTS - WALLS N.T.S. — **EXTERIOR WALL,THERMADUCT**

NOTES:

1. DIMENSIONS W1, W2, D1, AND D2 AS INDICATED ON THE DRAWINGS.
2. FOR LOW VELOCITY DUCTWORK (1800 FPM OR LESS)
   L1 = 4 x (W1-W2) OR 4 x (D1-D2) WHICHEVER IS GREATER.
   L2 = 2 x (W1-W2) OR 2 x (D1-D2) WHICHEVER IS GREATER.
3. FOR MEDIUM AND HIGH VELOCITY DUCTWORK (OVER 1800 FPM)
   L1 = 7 x (W1-W2) OR 7 x (D1-D2) WHICHEVER IS GREATER.
   L2 = 3.5 x (W1-W2) OR 3.5 x (D1-D2) WHICHEVER IS GREATER.

9 DUCT FITTINGS - RECTANGULAR N.T.S. — **TRANSITIONS**



NOTES:

1. DIMENSION D AS SHOWN ON THE DRAWINGS.
2. USE LONG RADIUS ELBOWS ON ALL DUCTWORK SYSTEMS WHERE POSSIBLE OR UNLESS OTHERWISE INDICATED.
3. ONLY WHEN IT IS IMPOSSIBLE TO USE LONG RADIUS ELBOWS, USE LARGEST POSSIBLE RADIUS WITH A MINIMUM RADIUS EQUAL TO THAT OF A SHORT RADIUS ELBOW.

10 DUCT FITTINGS - ROUND N.T.S. — **90° RADIUS ELBOW**

1. PLENUM - SIZE TO MATCH GRILLE. PAINT INTERIOR OF PLENUM FLAT BLACK.
2. EXHAUST/RETURN GRILLE FRAME TO MATCH CEILING CONDITION.
3. SPIN-IN FITTING WITH BALANCING DAMPER. USE FOR ALL ACCESSIBLE CEILINGS.
4. PROVIDE REMOTE BALANCING DAMPER IN BRANCH DUCT ABOVE ACCESSIBLE CEILING FOR EACH GRILLE WHERE GRILLE IS INSTALLED ABOVE INACCESSIBLE CEILING.
5. PROVIDE BALANCING DAMPER AT DEVICE ONLY WHERE DUCT MOUNTED DAMPER CANNOT BE PROVIDED DUE TO INACCESSIBLE CEILING.
6. FLEXIBLE DUCT ACCEPTABLE ABOVE ACCESSIBLE CEILING ONLY, MAX. 2 FT., REFER TO CEILING DIFFUSER DETAIL FOR INSTALLATION REQUIREMENTS.
7. SHEETMETAL DUCT.
8. SUPPORT PLENUM FROM STRUCTURE WITH DUCT STRAP HANGERS.
9. FASTEN SHEETMETAL PLENUM OR DUCT TO AIR DEVICE, EACH SIDE.
10. DUCT STRAP HANGER.
11. VIEWABLE PORTION OF DUCT INTERIOR TO BE PAINTED FLAT BLACK.

11 EXHAUST/RETURN GRILLE - DUCTED N.T.S.

1. FLEXIBLE DUCT SAME DIAMETER AS DIFFUSER INLET (ABOVE ACCESSIBLE CEILING ONLY USE SHEETMETAL ONLY ABOVE INACCESSIBLE CEILING). 7 FT. MAXIMUM LENGTH. STRETCH TO MINIMUM 90% OF FULLY EXTENDED LENGTH. ADDITIONAL HANGER REQUIRED IF DUCT LENGTH EXCEEDS 4 FT.
2. CONICAL TEE BRANCH FITTING, WITH MANUAL DAMPER.
3. DUCT SADDLE HANGER, EQUAL TO THERMO-HVAC 'THERMO-SADDLES', SIZED TO MATCH FLEXIBLE DUCT SIZE.
4. 90 DEGREE FLEXIBLE ELBOW SUPPORT BY FLEXRIGHT, FLEXFLOW OR SMARTFLOW. PROVIDE WITH DRAWBANDS, UL-2043 RATING.
5. SHEETMETAL DUCT, SAME DIAMETER AS DIFFUSER INLET. LONGITUDINAL OR SPIRAL LOCK SEAM, 0.50" S.P. CONSTRUCTION. PROVIDE EXTERIOR INSULATION, 1.5" THICKNESS, 0.75" DENSITY FIBERGLASS WITH FOIL/KRAFT PAPER JACKET.

12 SUPPLY AIR DEVICE N.T.S. — **CEILING DIFFUSER**

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STATE OF OHIO — JEFFREY D. ZELINSKI 63822 — REGISTERED PROFESSIONAL ENGINEER

JEFFERY D. ZELINSKI, LICENSE #63822
EXPIRATION DATE 12/31/2027

REVISIONS :

Number	Description	Date

PRINTINGS :

BID SET	07.06.2026

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Project # 26017

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PROJECT NO: **26401.00**
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DRAWN BY: **Author**
DATE: **07.06.2026**

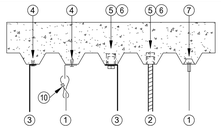
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DETAILS

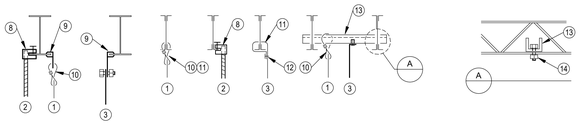
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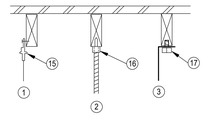
STRUCTURAL CONNECTIONS



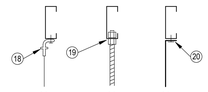
CONCRETE CONSTRUCTION



STEEL JOIST AND BEAM CONSTRUCTION



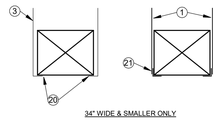
WOOD CONSTRUCTION



COLD ROLLED STEEL CONSTRUCTION

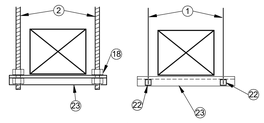
NOTE: APPLIES TO BOTH 'C' CHANNEL AND 'C' CHANNEL JOISTS

DUCT CONNECTIONS & SUPPORTS

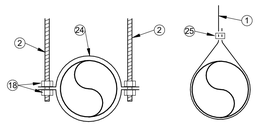


34" WIDE & SMALLER ONLY

NOTE: IF DUCT IS >4' FROM STRUCTURE, STEEL CABLES SHALL BE PROVIDED.



ALL SIZES



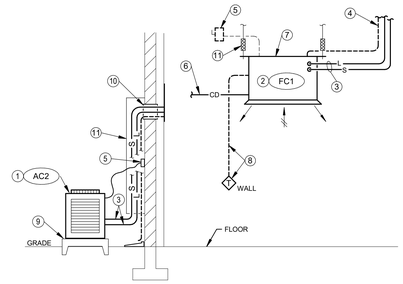
ALL SIZES

NOTES:

- ATTACHMENT TO METAL DECKING THAT DOES NOT CONTAIN CONCRETE ABOVE IS PROHIBITED. IN THOSE INSTANCES, HANGER CONNECTIONS SHALL BE TO STEEL STRUCTURE WITH SUPPLEMENTAL UNISTRUT MEMBERS WHERE NEEDED.
- ATTACHMENT TO WOOD DECKING IS PROHIBITED. CONNECTIONS SHALL BE MADE TO WOOD JOISTS / BEAMS ONLY.
- REFER TO SPECIFICATION 23 3113 FOR ADDITIONAL INFORMATION.

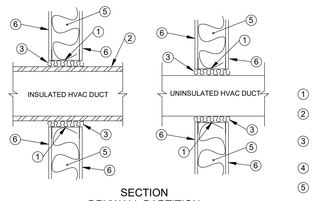
1. GALVANIZED STEEL CABLE.
2. GALVANIZED THREADED ROD.
3. GALVANIZED SHEETMETAL STRAP HANGER.
4. CONCRETE STRUCTURE SHOT FIRE ATTACHMENT.
5. PRESET CONCRETE THREAD ATTACHMENT.
6. DRILLED EXPANSION ANCHOR.
7. METAL DECK INSERT.
8. THREADED ROD UNIVERSAL C-TYPE CLAMP.
9. BEAM OR PURLIN CLAMP.
10. CABLE END FITTING.
11. LOOP THROUGH JOIST.
12. RIVET.
13. UNISTRUT CHANNEL SPANNING TWO JOIST OR BEAMS.
14. GALVANIZED BOLT & NUT.
15. WOOD TRUSS EYELET.
16. VERTICAL THREADED ROD HANGER. PRE-DRILL PILOT HOLE.
17. LAG BOLT. PRE-DRILL PILOT HOLE.
18. COLD ROLLED STEEL 90 DEG. EYELET.
19. RETAINING NUTS & WASHERS.
20. SHEETMETAL SCREW.
21. RECTANGULAR DUCTWORK TRAPEZE HANGER.
22. TRAPEZE HANGER.
23. UNISTRUT CHANNEL.
24. TWO GALVANIZED BAND HANGERS.
25. CABLE LOCKING FASTENER.

1 DUCT HANGERS & SUPPORTS
N.T.S.

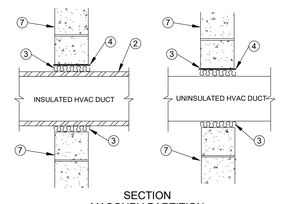


1. GRADE MOUNTED AIR COOLED CONDENSING UNIT/HEAT PUMP.
2. CEILING CASSETTE STYLE INDOOR MOUNTED EVAPORATOR UNIT.
3. INSULATED SUCTION, LIQUID REFRIGERANT PIPING LINE SETS WITH QUICK CONNECTS.
4. CONTROL WIRING BETWEEN EVAPORATOR UNITS AND CONDENSING UNIT BY H.C. ROUTE IN CONDUIT WITH REFRIGERANT PIPING.
5. DISCONNECT SWITCH BY E.C. ELECTRICAL POWER FEED BY E.C. MOUNT ON WALL ADJACENT TO UNIT. EXTERIOR MOUNTED DISCONNECT TO BE LOCATED NEXT TO PIPE COVER.
6. PUMPED CONDENSATE PIPING. 0.75" SIZE. SEE PLAN FOR ROUTING.
7. PROVIDE HIGH WATER LEVEL SWITCH IN DRAIN PAN, WIRED TO STOP UNIT.
8. WALL MOUNTED MICROPROCESSOR CONTROLLER WITH LCD DISPLAY, TEMPERATURE SETPOINT ADJUSTMENT, ALARM WITH SILENCE AND UNIT ON/OFF SELECTION. CONCEALED WIRING BY H.C.
9. EXTERIOR CONCRETE EQUIPMENT PAD. REFER TO DETAIL.
10. PROVIDE STEEL PIPE SLEEVE AND SEAL PIPES THRU EXTERIOR WALL PENETRATION.
11. PROVIDE ALUMINUM PIPE COVER OVER REFRIGERANT AND CONDENSATE PIPING. COLOR TO CLOSELY MATCH BUILDING EXTERIOR.
11. SUPPORT UNIT FROM STRUCTURE WITH THREADED RODS & NEOPRENE VIBRATION ISOLATORS. PROVIDE SUPPLEMENTAL STEEL ANGLES BETWEEN BAR JOISTS/BEAMS AS REQUIRED.

2 SPLIT SYSTEM — **VRF, CEILING CASSETTE, ON GRADE CONDENSING UNIT**
N.T.S.

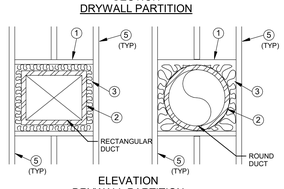


SECTION
DRYWALL PARTITION

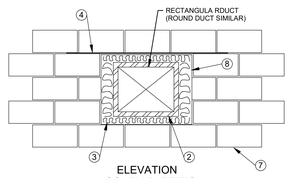


SECTION
MASONRY PARTITION

1. WALL OPENING WITH FRAMING BY G.C.
2. DUCT INSULATION, SEE SCHEDULE FOR THICKNESS.
3. FILL VOID WITH 1.5" THICK, 0.75 P FIBERGLASS BATT INSULATION.
4. LINTEL BY G.C.
5. WOOD OR METAL STUDS AT 16" O.C. BY G.C.
6. DRYWALL BY G.C.
7. MASONRY WALL BY G.C.
8. FRAMED MASONRY OPENING BY G.C.



ELEVATION
DRYWALL PARTITION



ELEVATION
MASONRY PARTITION

3 DUCT PENETRATIONS - WALLS — **THRU NON-FIRE RATED WALL** * NEW CONSTRUCTION, FRAMED OPENING, DUCT SIDE OR DIA. ≥ 12"
N.T.S.

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STATE OF OHIO
JEFFREY D. ZELINSKI
63822
REGISTERED PROFESSIONAL ENGINEER

JEFFERY D. ZELINSKI, LICENSE #63822
EXPIRATION DATE 12/31/2027

REVISIONS :

Number	Description	Date

PRINTINGS :

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CONSULTANTS

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Project # 26017

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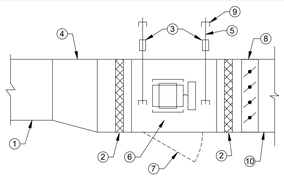
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DETAILS

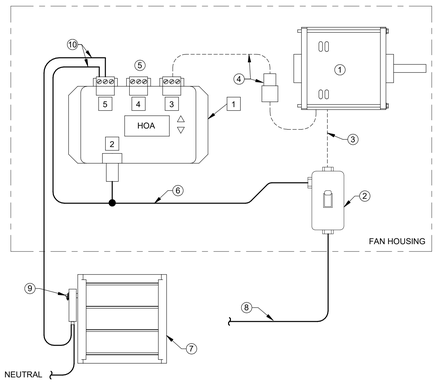
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1. DUCTWORK. REFER TO SCHEDULE FOR TYPE.
2. FLEXIBLE DUCT CONNECTION VIBRATION ISOLATORS.
3. VIBRATION ISOLATOR HANGERS.
4. TRANSITION TO EXHAUST FAN INLET SIZE
5. THREADED ROD
6. INLINE FAN.
7. ACCESS DOOR.
8. MOTORIZED OR GRAVITY BACK DAMPER. REFER TO HOA CONTROLLER DIAGRAM FOR INSTALLATION INFORMATION.
9. STEEL CHANNEL. ATTACH TO STRUCTURE.
10. DISCHARGE DUCT IS SAME SIZE AS FAN OUTLET.

1 INLINE EXHAUST FAN N.T.S.



CONTROLLER NOTES

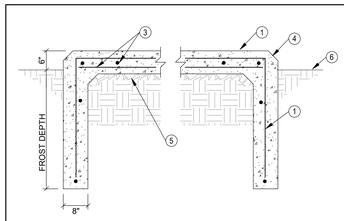
1. HAND/OFF/AUTO ECM FAN CONTROLLER BY FAN MANUFACTURER. MOUNTED IN FAN HOUSING OR IN BUILDING ADJACENT TO FAN.
2. 100 - 277V / 1 PHASE POWER TO CONTROLLER.
3. MOTOR CONTROL: 0-10 VDC, 24V, & COM.
4. FUTURE DDC CONTROL SIGNAL: 0-10 VDC, 24V, & COM.
5. AUX. CONTACT, LINE OR LOW VOLTAGE. RATED FOR 10A @ 24-250V. N.O., N.C., & COM.

DETAIL NOTES

1. ECM FAN MOTOR.
2. TOGGLE DISCONNECT MOUNTED IN FAN HOUSING BY FAN MANUFACTURER.
3. SINGLE PHASE WIRING BY MANUFACTURER.
4. CONTROL WIRING BY MANUFACTURER.
5. FUTURE DDC INPUT
6. LINE VOLTAGE TO POWER MOTORIZED DAMPER BY E.C. TAP ON LOAD SIDE OF TOGGLE SWITCH. PROVIDES POWER TO HOA CONTROLLER AND DAMPER ACTUATOR.
7. DUCT MOUNTED MOTORIZED DAMPER BY FAN MANUFACTURER.
8. SUPPLY CIRCUIT POWER TO DISCONNECT BY E.C.
9. 120V MOTORIZED DAMPER ACTUATOR PROVIDED BY H.C.
10. WIRE 120V DAMPER POWER THROUGH AUXILARY CONTACT.

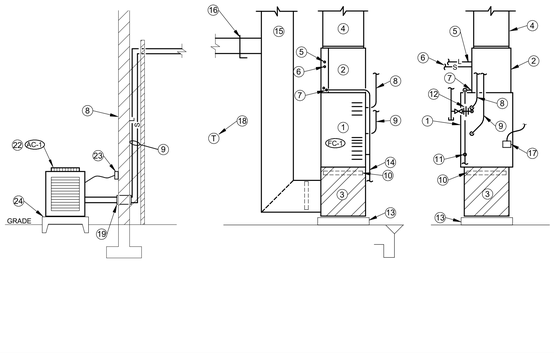
WIRING BY H.C.
WIRING BY E.C.
WIRING BY MANUFACTURER

2 HOA CONTROLLER - SINGLE PHASE ECM FAN WIRING DIAGRAM N.T.S.



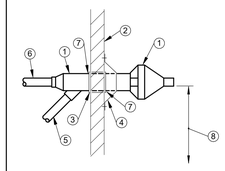
1. 6" THICK CONCRETE PAD. 4,000 PSI.
2. #4 BENT REBAR DOWEL @16" O.C.
3. #4 REBAR @12" O.C. EACH WAY.
4. 3/4" CHAMFER ALL EDGES.
5. COMPACTED #57 CRUSHED GRAVEL FILL. 4" THICKNESS MIN.
6. GRADE.

3 CONCRETE EQUIPMENT PAD N.T.S. **EXTERIOR**



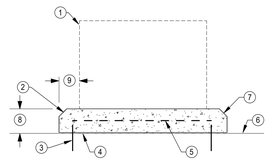
1. DIRECT-VENT CONDENSING GAS FURNACE/AIR CONDITIONING UNIT.
2. COOLING COIL SECTION.
3. RETURN AIR PLENUM. ACOUSTICALLY LINED.
4. SUPPLY AIR DUCTWORK.
5. LIQUID LINE.
6. SUCTION LINE.
7. 0.75" COOLING COIL CONDENSATE DRAIN LINE.
8. 2" PVC COMBUSTION AIR PIPE.
9. 2" VENT AIR PIPE.
10. 1" MERV 11 RETURN AIR FILTER. PROVIDE REMOVABLE ACCEESS DOOR. ALTERNATE LOCATION IN RETURN DROP TO UNIT.
11. 0.75" CONDENSATE DRAIN LINE.
12. 0.50" GAS CONNECTION. PROVIDE 6" DIRT LEG, SHUT-OFF VALVE AND UNION AT UNIT.
13. 4" HIGH CONCRETE BASE, LEVEL TOP. REFER TO DETAIL.
14. PROVIDE 2" DEEP TRAP ON CONDENSATE LINE. COMBINE WITH OTHER NEARBY FURNACE DRAIN LINES AND EXTEND TO EXISTING FLOOR DRAIN.
15. RETURN AIR DUCTWORK.
16. OUTDOOR AIR DUCT WITH BALANCING DAMPER.
17. UNIT MOUNTED DISCONNECT SWITCH BY E.C.
18. REMOTE MOUNTED THERMOSTAT, 54" AFF.
19. PROVIDE STEEL SLEEVE IN WALL FOR PIPING. SEAL WATERTIGHT.
20. REFRIGERANT PIPING RISERS IN INTERIOR WALL CAVITY.
21. EXTERIOR WALL.
22. OUTDOOR CONDENSING UNIT.
23. REMOTE MOUNTED DISCONNECT SWITCH BY E.C.
24. EXTERIOR CONCRETE EQUIPMENT PAD, REFER TO DETAIL.

4 SPLIT SYSTEM N.T.S. **VERTICAL FURNACE/AC, ON-GRADE CONDENSING UNIT**



1. CONCENTRIC VENT PROVIDED WITH EQUIPMENT.
2. WALL.
3. PIPE SLEEVE.
4. FLASHING COLLAR.
5. COMBUSTION AIR PIPE - SEE PLANS & SPEC. FOR SIZE & MATERIAL.
6. VENT/EXHAUST PIPE - SEE PLANS & SPEC. FOR SIZE & MATERIAL.
7. SEALANT.
8. 18" ABOVE GRADE.

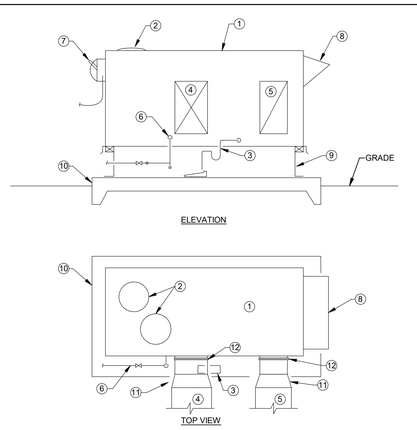
5 CONCENTRIC WALL VENT TERMINATION N.T.S.



1. OUTLINE OF EQUIPMENT.
2. 4,000 PSI CONCRETE.
3. 1-#4 DOWEL, 6" LONG, EACH CORNER.
4. ROUGHEN SLAB & APPLY BONDING AGENT.
5. STEEL REINFORCING MESH.
6. FINISHED CONCRETE FLOOR.
7. 45 DEG. CHAMFER ALL AROUND.
8. 4" THICK CONCRETE SLAB.
9. MINIMUM 2" DISTANCE.

NOTE: OVERALL DIMENSION TO BE DETERMINED BY CONTRACTOR.

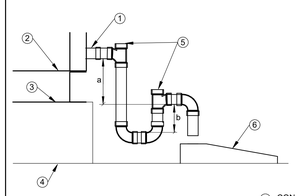
6 CONCRETE EQUIPMENT PAD N.T.S. **INTERIOR**



1. PACKAGED DX COOLING, NATURAL GAS FIRED HEATING UNIT, MOUNTED ON GRADE.
2. CONDENSER FANS WITH FAN GUARDS.
3. CONDENSATE DRAIN WITH CONCRETE SPLASHBLOCK. REFER TO DETAIL.
4. SUPPLY DUCT, REFER TO PLANS FOR SIZE.
5. RETURN DUCT, REFER TO PLANS FOR SIZE.
6. NATURAL GAS SHUT-OFF VALVE, UNION AND DIRT LEG PIPING CONNECTION TO UNIT BY P.C.
7. ELECTRICAL DISCONNECT W/ GFI RECEPTACLE SUPPLIED BY UNIT MANUFACTURER. POWER CONN. BY E.C.
8. OUTDOOR AIR INTAKE HOOD.
9. 14" HIGH EQUIPMENT CURB WITH NAILER.
10. 6" HIGH EXTERIOR CONCRETE EQUIPMENT PAD, REFER TO DETAIL.
11. DUCT TRANSITION AS REQUIRED, TYP.
12. FLEXIBLE DUCT CONNECTION.

GENERAL NOTE:
PIPING AND DUCTWORK CONNECTION LOCATIONS AND SIZES WILL VARY BY MANUFACTURER. COORDINATE UNIT ORIENTATION WITH ALL CONTRACTORS AND SITE CAREFULLY.

7 ROOFTOP UNIT N.T.S. **ON-GRADE, BASE RAIL MOUNTING DETAIL**



CALCULATIONS:
a = SUPPLY FAN T.S.P. + 1"
b = a / 2

- VERIFY FAN T.S.P. WITH UNIT MANUFACTURER.

1. CONDENSATE DRAIN PIPE. PIPE SIZED TO MATCH CONDENSATE CONNECTION SIZE ON AHU. PIPING MATERIAL PER PIPING MATERIAL SCHEDULE.
2. A.H. UNIT FLOOR.
3. A.H. UNIT BASE.
4. 4" CONCRETE EQUIPMENT PAD.
5. DWV TEE WITH CLEANOUT AND CAP.
6. COORDINATE TERMINATION WITH FLOOR DRAIN. TERMINATE IN DRAIN IF GRATE HAS OPENING. IF NO OPENING, TERMINATE SUCH THAT WATER DOES NOT SPLASH ONTO ADJACENT MECHANICAL ROOM FLOOR.
7. FLOOR DRAIN BY P.C.

8 AH UNIT CONDENSATE TRAP N.T.S. DRAW THRU UNITS

7/6/2026 10:31:19 AM

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STATE OF OHIO
JEFFREY D. ZELINSKI
63822
REGISTERED PROFESSIONAL ENGINEER

JEFFERY D. ZELINSKI, LICENSE #63822
EXPIRATION DATE 12/31/2027

REVISIONS :

Number	Description	Date

PRINTINGS :

BID SET	07.06.2026

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PROJECT NO: **263401.00**
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DETAILS

H3.3

GENERAL NOTES

A. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2024 OHIO BUILDING CODE, INCLUDING REFERENCED CODES AND STANDARDS, ALL LOCAL AND STATE CODES AND MEET APPROVAL OF AUTHORITIES HAVING JURISDICTION.

B. BIDDERS SHALL INSPECT PROJECT SITE EXISTING CONDITIONS DURING BIDDING.

C. INCLUDE PAYMENT OF ALL PERMIT AND INSPECTION FEES AND OBTAIN AN ELECTRICAL PERMIT AND SECURE INSPECTION AND APPROVAL OF THE CODE OFFICIAL.

D. SUBMIT AN ELECTRONIC COPY OF SUBMITTAL DATA AND DESCRIPTIVE LITERATURE IN .PDF FORMAT FOR ALL FIXTURES AND EQUIPMENT.

E. WORKMANSHIP SHALL BE OF THE HIGHEST QUALITY AND REPRESENT THE BEST PRACTICES OF THE INDUSTRY.

F. COORDINATE INSTALLATION WITH OTHER TRADES; PROVIDE OFFSETS AS REQUIRED.

G. INSTALL ALL MATERIALS AND EQUIPMENT IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS.

H. COORDINATE EACH ROUGH-IN INSTALLATION REQUIREMENTS AND LOCATIONS WITH OTHER TRADES, ACTUAL EQUIPMENT OR CABINETRY PROVIDED AND FIELD CONDITIONS BEFORE PERFORMING WORK.

I. REFER TO ARCHITECTURAL DRAWING ELEVATIONS FOR MOUNTING LOCATION INFORMATION, ARRANGEMENT AND HEIGHT FOR ALL DEVICES AT FURNISHINGS, CASEWORK, ETC.

J. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL LIGHTING FIXTURES. WHERE DISCREPANCIES MAY OCCUR BETWEEN THE ELECTRICAL PLANS AND THE ARCHITECTURAL CEILING PLANS ON QUANTITY OF FIXTURES, THE ELECTRICAL PLANS SHALL TAKE PRECEDENCE. COORDINATE FIXTURE LOCATIONS WITH OTHER TRADES TO AVOID CONFLICTS WITH PIPING AND DUCTWORK.

K. ALL EQUIPMENT AND MATERIAL REQUIRED FOR COMPLETE AND FUNCTIONAL ELECTRICAL SYSTEMS SHALL BE INCLUDED IN THE CONTRACT.

SPARE LIGHTING FIXTURES

NOTE: E.C. TO FURNISH AND TURN OVER TO OWNER THE FOLLOWING FIXTURES - TO BE BOXED AND PACKAGED.

FIXTURE TYPE	QUANTITY
A1	QUANTITY OF ONE.
A2	QUANTITY OF ONE.
F1	QUANTITY OF ONE.
F2	QUANTITY OF ONE.
H1	QUANTITY OF TWO,
H2	QUANTITY OF ONE.

ELECTRICAL SPECIFICATIONS CONT'D

O. WIRING DEVICES SHALL BE SPECIFICATION GRADE, WHITE COLOR, WITH BRUSHED STAINLESS STEEL COVERPLATES IN GYM AND WEIGHT ROOM; AND WHITE NYLON COVERPLATES IN ALL OTHER AREAS. HUBBELL, P&S, COOPER OR LEVITON. PROVIDE TAMPER-RESISTANT RECEPTACLES IN LOCATIONS AS REQUIRED BY NEC 406.12.

P. ALL CONDUIT, FITTINGS, BENDS, ETC. SHALL BE PROPERLY SUPPORTED PER NEC AND NEATLY INSTALLED.

Q. RECESSED OR SURFACE MOUNTED LIGHT FIXTURES INSTALLED IN LAY-IN CEILING SHALL BE SUPPORTED AT MINIMUM TWO OPPOSITE CORNERS, INDEPENDENT OF EACH OTHER, FROM STRUCTURES ABOVE WITH #12 STEEL SUPPORT WIRES. DOWNLIGHTS SHALL BE SUPPORTED FROM STRUCTURE WITH MINIMUM ONE #12 STEEL SUPPORT WIRE FROM FIXTURE TO STRUCTURE.

R. IDENTIFY PANEL AND CIRCUIT NUMBER ON ALL RECEPTACLE COVERPLATES WITH PRINTED LABELS WITH BLACK LETTERS ON CLEAR ADHESIVE BACKGROUND.

S. PROVIDE TYPED PANEL DIRECTORIES INDICATING TYPE OF LOAD AND ROOM DESCRIPTION WITH ROOM NUMBER AND TYPE. UPDATE ALL EXISTING PANEL DIRECTORIES WITH NEW TYPED DIRECTORY CARDS WITH ALL CIRCUIT REVISIONS NOTED.

T. ALL SPARE BREAKERS IN PANELBOARDS SHALL BE TURNED 'OFF'.

U. THE TOTAL LOAD (AMPERES) OF ANY BRANCH CIRCUIT SHALL NOT EXCEED 80% OF THE RATED AMPACITY OF THE CIRCUIT BREAKER FOR THAT CIRCUIT.

V. THE ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER CONTRACTORS TO AVOID INTERFERENCE WITH THE BUILDING COMPONENTS, EXISTING UTILITIES, EQUIPMENT, ETC.

W. THE E.C. SHALL PROVIDE FIRESTOPPING FOR ALL PENETRATIONS THRU RATED WALLS. ALL FIRESTOPPING ASSEMBLIES SHALL BE LISTED AND APPROVED FOR THE ASSEMBLY AND PENETRATION UTILIZED.

X. IDENTIFY ALL BRANCH CIRCUITS AT ALL JUNCTION BOXES BY NEATLY PRINTING PANEL AND CIRCUIT NUMBERS ON BOX COVERS WITH INDELIBLE MARKER.
NEATLY LABEL BRANCH CIRCUIT NUMBERS ON EACH EXPOSED CONDUIT LEAVING PANELBOARDS WITH INDELIBLE MARKERS.

Y. LABEL ALL PANELBOARDS WITH PHENOLIC WHITE BACKGROUND AND BLACK LETTER PLATE WITH SOURCE OF FEEDER, SWITCH OR BREAKER NUMBER, VOLTAGE, PHASE, AND BRANCH.

Z. LABEL ALL DISCONNECT SWITCHES WITH PHENOLIC WHITE BACKGROUND AND BLACK LETTER PLATE WITH PANEL, CIRCUIT NUMBER, VOLTAGE, PHASE, FED FROM AND DESCRIPTION OF LOAD FED.

AA. ALL OPEN CABLING SHALL BE PLENUM RATED AND INSTALLED ON J-HOOK SYSTEM ABOVE ACCESSIBLE CEILINGS. COORDINATE LOCATIONS AND TYPE/SIZE WITH THE SYSTEMS VENDOR FOR OPTIMUM CABLE ROUTING.

BB. DISCONNECT SWITCHES SHALL BE HEAVY DUTY; FUSIBLE TYPE TO UTILIZE 'RK1' FUSES.

CC. LIGHTING CONTROL OCCUPANCY SENSORS SHALL BE BY ACUITY, HUBBELL, LEVITON, COOPER CONTROLS OR SENSOR SWITCH. CEILING MOUNTED SENSORS SHALL BE LOW PROFILE, "DOME" TYPE SENSORS.

DD. EQUIPMENT, DUCTWORK AND PIPING SHALL NOT BE INSTALLED IN THE DEDICATED ELECTRICAL SPACE ABOVE OR IN THE WORKING SPACE REQUIRED AROUND ELECTRICAL SWITCHGEAR, MOTOR CONTROL CENTERS OR PANELBOARDS AS IDENTIFIED BY NEC: 110.26 SPACES ABOUT ELECTRICAL EQUIPMENT – 600 VOLTS NOMINAL OR LESS FOR EQUIPMENT RATED OVER 600 VOLTS NOMINAL – 110.32 WORK SPACE ABOUT EQUIPMENT – 110.33 ENTRANCE AND ACCESS TO WORK SPACE – 110.34 WORK SPACE AND GROUNDING. THE ELECTRICAL CONTRACTOR SHALL CAUTION OTHER TRADES TO COMPLY WITH THIS STIPULATION.

EE. PERFORM ALL CUTTING AND PATCHING REQUIRED FOR INSTALLATION OF ELECTRICAL SYSTEMS. PATCHING SHALL BE CONSISTENT WITH ADJACENT SURFACES.

FF. PROVIDE ONE YEAR COMPLETE WARRANTY (PARTS, MATERIALS, LABOR), START OF WARRANTY FROM DATE OF BENEFICIAL OCCUPANCY AGREED TO IN WRITING.

ELECTRICAL SPECIFICATIONS

A. ALL ELECTRICAL WIRING, EQUIPMENT AND INSTALLATION SHALL CONFORM TO THE 2024 OHIO BUILDING CODE, 2023 NATIONAL ELECTRIC CODE AND LOCAL CODES, LATEST ADOPTED EDITIONS.

B. ALL ELECTRICAL EQUIPMENT SHALL BE U.L. APPROVED AND COMMERCIAL GRADE. PANELBOARDS, CIRCUIT BREAKERS AND DISCONNECTS BY SQUARE D, SIEMENS, CUTLER-HAMMER OR G.E

C. SUBMIT ELECTRONIC SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO ORDERING FOR ALL EQUIPMENT.

D. ALL POWER AND SYSTEMS WIRING SHALL BE INSTALLED IN CONDUIT RACEWAYS UNLESS OTHERWISE SPECIFICALLY NOTED.

E. STAGGER LOCATIONS OF RECESSED OUTLETS WHERE SHOWN ON OPPOSITE SIDES OF STUD WALL PARTITIONS TO PREVENT SOUND TRANSMISSION BETWEEN ROOMS.

F. DRAWINGS ARE SCHEMATIC IN NATURE TO REPRESENT REQUIRED EQUIPMENT/DEVICES AND ASSOCIATED POWER/CIRCUITRY. DRAWINGS SHALL NOT BE SCALED FOR DEVICE LOCATIONS. THE E.C. SHALL COORDINATE THE FINAL LOCATIONS OF ALL FLUSH MOUNTED DEVICES (INCLUDING FIRE ALARM AND TECHNOLOGY ROUGH-IN BOXES) WITH CASEWORK, FIXED FURNITURE, ETC. TO AVOID CONFLICTS AND VIEWING OBSTRUCTIONS. RECEPTACLES ASSOCIATED WITH/ADJACENT TO TECHNOLOGY OUTLET BOXES SHALL BE LOCATED AT THE SAME MOUNTING HEIGHT AND WITHIN 6" HORIZONTALLY UNLESS SPECIFICALLY NOTED OTHERWISE.

G. THE ARCHITECT SHALL RESERVE THE RIGHT TO MAKE MINOR ADJUSTMENT IN LOCATIONS OF SYSTEM RUNS AND COMPONENTS WHERE THEY CONSIDER SUCH ADJUSTMENTS DESIRABLE IN THE INTEREST OF CONCEALING WORK OR PRESENTING A BETTER APPEARANCE WHERE EXPOSED. ANY SUCH CHANGES SHALL BE ANTICIPATED AND REQUESTED SUFFICIENTLY IN ADVANCE SO AS TO NOT CAUSE EXTRA WORK, OR UNDULY DELAY THE WORK. COORDINATE WORK IN ADVANCE WITH ALL OTHER TRADES AND REPORT IMMEDIATELY ANY DIFFICULTIES WHICH CAN BE ANTICIPATED. WHERE ANY SYSTEM RUNS AND COMPONENTS ARE SO PLACED AS TO CAUSE OR CONTRIBUTE TO A CONFLICT, IT SHALL BE READJUSTED AT THE EXPENSE OF THE CONTRACTOR CAUSING SUCH CONFLICT. THE ARCHITECT'S DECISION SHALL BE FINAL IN REGARD TO ARRANGEMENT OF EQUIPMENT, CONDUIT(S), DEVICES, WIREWAYS ETC., WHERE CONFLICT ARISES.

H. ALL WIRING SHALL UTILIZE MIN. #12 AWG SIZE COPPER THHN/THWN STRANDED CONDUCTORS WITH INSULATION SUITABLE FOR THE APPLICATION. CONDUCTORS FOR ELECTRIC RADIANT HEATERS SHALL BE LISTED FOR THE APPLICATION.

I. PROVIDE A SEPARATE NEUTRAL CONDUCTOR FOR EACH BRANCH CIRCUIT AND SEPARATE GREEN COLORED INSULATED COPPER GROUNDING CONDUCTOR FOR EACH BRANCH CIRCUIT CONDUIT. NEUTRAL WIRES FOR 120 VOLT CIRCUITS SHALL BE WHITE AND FOR 277 VOLT CIRCUITS SHALL BE GRAY COLOR.

J. ALL CONDUCTORS SHALL BE INSTALLED IN MIN. 0.75" SIZE CONDUIT OR MC CABLING AS ALLOWED BELOW. EMT SHALL BE UTILIZED FOR INTERIOR FEEDERS AND BRANCH CIRCUITRY. MC CABLE SHALL ONLY BE ALLOWED FOR 20 AMP CIRCUITS, FINAL CONNECTION TO INDOOR LIGHT FIXTURES, AND DROPS TO RECEPTACLES IN WALLS. MC CABLING IS NOT PERMITTED TO BE USED FOR EXPOSED CONDUIT LOCTIONS. ALL HOME RUN BRANCH CIRCUITS SHALL BE IN EMT CONDUIT. THE HOME RUN CONDUIT SHALL ORGINATE AT THE PANLE BOARD AND SHALL TERMINATE AT THE LAST CONNECTED DEVICE ON THE CIRCUIT OR IN THE CENTER OF THE ROOM/AREA THAT THE CIRCUIT SERVES. LIQUID TIGHT FLEXIBLE METAL CONDUIT SHALL BE USED FOR ALL OTHER FINAL CONNECTIONS TO MOVEABLE/VIBRATING EQUIPMENT. ALL EXTERIOR CONDUIT SHALL BE RIGID METAL CONDUIT.

K. EMT CONDUIT FITTINGS SHALL BE ALL STEEL COMPRESSION OR SETSCREW TYPE.

L. ALL CONDUITS INSTALLED ON EXTERIOR OF BUILDING SHALL BE RIGID GALVANIZED TYPE WITH THREADED STEEL FITTINGS. UTILIZE COMPATIBLE NEMA 3R TYPE BOXES FOR ALL EXTERIOR FIXTURE AND OUTLET BOXES.

M. ALL EMPTY CONDUITS INSTALLED FOR ANY LOW VOLTAGE CABILING USES INCLUDING VOICE/DATA, SECURITY, AV, MONITORING OR ANY OTHER LOW VOLTAGE SYSTEM SHALL HAVE NYLON BUSHINGS INSTALLED ON ALL CONDUIT OPEN ENDS.

N. ALL EMPTY CONDUITS SHALL HAVE A NYLON PULLSTRING INSTALLED PER SPECIFICATIONS.

LIGHTING FIXTURE SCHEDULE

FIXTURE SYMBOL	LUMINAIRE TYPE: LED	LOW VOLTAGE	WATTS/ FIXTURE	LUMENS/ COLOR TEMP	FIXTURE VOLTAGE	MANUFACTURER & CATALOG NO.	OTHER ACCEPTABLE MANUFACTURES	DIFFUSING MEDIA	TRIM COLOR: WHITE	BLACK	ALUMINUM	BRONZE	STANDARD	SEE NOTES	MOUNTED	SIZE: WIDTH	LENGTH	DEPTH	DIAMETER	SEE NOTES
A1	•		50	3400 LUMENS/ 4000K	UNV	NEWSTAR ACD-4-N-L1-40K-80C-WH-UN-DM	KENALL	WHITE POLYCARBONATE LENS	•						S	7	48.4	4		10
A2	•		50	6600 LUMENS/ 4000K	UNV	NEWSTAR ACD-4-N-L2-40K-80C-WH-UN-DM	KENALL	WHITE POLYCARBONATE LENS	•						S	7	48.4	4		10
B2	•		25	4000 LUMENS/ 4000K	UNV	LITHONIA CPX 2X4-AL08-80CRI-SWW7-SWL-MVOLT-(4000 LM)	COLUMBIA	FLAT PANEL	•						R	24	48	1.5		1,5
B3	•		35	5000 LUMENS/ 4000K	UNV	LITHONIA CPX 2X4-AL08-80CRI-SWW7-SWL-MVOLT-(5000 LM)	COLUMBIA	FLAT PANEL	•						R	24	48	1.5		1,5
B4	•		45	6000 LUMENS/ 4000K	UNV	LITHONIA CPX 2X4-AL08-80CRI-SWW7-SWL-MVOLT-(6000 LM)	COLUMBIA	FLAT PANEL	•						R	24	48	1.5		1,5
C1	•		30	4400 LUMENS/ 4000K	UNV	LITHONIA CSS-L48-AL03-MVOLT-SWW3-80CRI	COLUMBIA	DIFFUSE LENS	•						S/C	2.3	48	2.7		
F1	•		20	2000 LUMENS/ 4000K	UNV	JUNO JSF-131N-18LM-SWW5-90CRI-MVOLTZT-WH	E.T.I.	DIFFUSE WHITE LENS	•						CS	-	-	1.1	13	6,10
F2	•		32	2500 LUMENS/ 4000K	UNV	LITHONIA LBR8-AL03-SWWT-AR-TRW-LSS-MWD-MVOLT-UGZ-WL	GREEN CREATIVE	SEMI SPECULAR LENS/WHITE TRIM	•						R			6.6	11	7,10
H1	•		181	27000 LUMENS/ 4000K	UNV	LITHONIA CPHB-AL016-UVOLT-SWW9-80CR1-DWH (27000LM) WITH WGCPHBMD WIRE GUARD	COLUMBIA	GLARE CONTROL LENS	•						C	12	23	3		2,8,10
H2	•		103	15000 LUMENS/ 4000K	UNV	LITHONIA CPHB-AL013-UVOLT-SWW9-80CRI-DWH (15000LM) WITH WGCPHBMD WIRE GUARD	COLUMBIA	GLARE CONTROL LENS	•						C	12	23	3		2,9,10
K1	•		18	2000 LUMENS/ 4000K	UNV	LITHONIA WDGE1 LED-P2-40K-80CRI-VW-MVOLT-DBLXD	BEACON	CUTOFF LENS		•					S-WM	8	9	5.5		
EM	•		2	90 LUMEN	UNV	LITHONIA EU2C	COMPASS	TWIN HEADS		•					S-WM	5	14.6	4		4
EMG	•		2	1100 LUMEN	UNV	LITHONIA ELMGL-UVOLT-LTP-WPVS	COMPASS	TWIN HIGH OUTPUT HEADS/WIRE GUARD		•					S-WM-18' AFF	6	11.5	4		4
EMX1	•		2	-	UNV	LITHONIA LHQM-S-BBS-RG-MVOLT-H0-M6	COMPASS	RED LETTER 'EXIT' AND TWIN LED HEADS		•					S-WM	2.5	16.5	8.2		4
EMH	•		1	-	60	LITHONIA ERE-B-SGL-WP-RD	COMPASS	REMOTE HEAD		•					S-WM	4	4	4		3

LIGHTING FIXTURE NOTES:

1. 0-10V DIM TO 10 PERCENT.
2. H1 + H2 - PROVIDE WIRE GUARD; CHAIN MOUNT WITH BOTTOM OF FIXTURE 24" BELOW DECK. FOLLOWING SLOPE OF DECK.
3. EMH - WEATHERPROOF.
4. EM, EMG, EMX1 - PROVIDE WIRE GUARDS ON FIXTURES WHERE NOTED ON PLANS.
5. B2-B3-B4 SELECTABLE 4000-5000-6000 LUMENS + SELECTABLE COLOR TEMPERATURE.
6. F1 - WET LOCATION.
7. F2 - DAMP LOCATION; SELECTABLE 2000-2500-3000 LUMENS.
8. H1 - SELECTABLE 24,000-27,000-30,000 LUMENS.
9. H2 - SELECTABLE 12,000-15,000-18,000 LUMENS.
10. REFER TO 'SPARE LIGHTING FIXTURES' SCHEDULE ON THIS SHEET.

ELECTRICAL LEGEND CONT'D

- MOTOR STARTER OR VFD.
- COMBINATION MOTOR STARTER OR VFD AND DISCONNECT SWITCH.
- ELECTRIC MOTOR.
- UH — UNIT HEATER.
- CIRCUIT BREAKER PANEL, FLUSH MOUNTED.
- CIRCUIT BREAKER PANEL, SURFACE MOUNTED.
- EB — ELECTRIC BASEBOARD HEATER.
- NEW DATA OUTLET (18" M.H. UNLESS OTHERWISE INDICATED). TWO GANG OUTLET BOX WITH SINGLE GANG TRIM RING AND BLANK COVERPLATE. STUB AN EMPTY 1.0" BUSHED CONDUIT OUT ABOVE ACCESSIBLE CEILING.
- EXISTING DATA OUTLET (18" M.H. UNLESS OTHERWISE INDICATED M.H.).
- AP — WIRELESS WIFI ACCESS POINT; CEILING MOUNTED.
- F 15 — FIRE ALARM HORN & SIGNAL LIGHT (80" A.F.F.), # WHEN SHOWN INDICATES CANDELA RATING OF STROBE. WHEN A # IS NOT SHOWN, THE STROBE SHALL BE RATED 110 CANDELA.
- L 15 — FIRE ALARM SIGNALING LIGHT (80" A.F.F.). # WHEN SHOWN INDICATES CANDELA RATING OF STROBE. WHEN A # IS NOT SHOWN, THE STROBE SHALL BE RATED 110 CANDELA.
- F — FIRE ALARM SENDING STATION (46" M.H.).
- S — CEILING MOUNTED SMOKE DETECTOR.
- H — CEILING MOUNTED HEAT DETECTOR.
- S SR — DUCT MOUNTED SMOKE DETECTOR (S/SUPPLY, R/RETURN).
- C — ELECTRIC RELEASE DOOR CLOSER.
- D — ELECTRO-MAGNETIC DOOR HOLDER.
- R — FIRE ALARM CONTROL OR SUPERVISORY INPUT RELAY AS NOTED. CONTROL RELAY TO HAVE FORM 'C' CONTACT RATED MIN. 5 AMPS AT 120VAC.
- W — WATER FLOW SWITCH.
- V — FIRE ALARM SUPERVISED VALVE.
- RT — DUCT MOUNTED DETECTOR REMOTE TEST STATION AND ALARM INDICATOR.
- SD — SMOKE DAMPER
- NAC — FIRE ALARM NOTIFICATION APPLIANCE POWER EXTENDER PANEL. PROVIDE 20A-120V CIRCUIT FROM LOCAL EMERGENCY PANEL INDICATED CONNECT TO MAIN FIRE ALARM PANEL FOR NOTIFICATION SIGNALING.
- CR — DOOR ACCESS CONTROL SYSTEM CARD READER - 46" M.H.
- A — ELECTRIC DOOR OPERATOR, INCLUDING RELAYS, OPERATING SWITCHES AND LIMIT SWITCHES SHALL BE FURNISHED BY THE DOOR EQUIPMENT SUPPLIER AND INSTALLED BY THE E.C. IN ACCORDANCE WITH APPROVED WIRING DIAGRAMS BY THE EQUIPMENT SUPPLIER (120 VOLT SINGLE PHASE OPERATION).
- P — PUSHPLATE DOOR CONTROLS FURNISHED BY THE DOOR EQUIPMENT SUPPLIER AND INSTALLED BY THE E.C. (42" M.H.).
- SC — FLUSH MOUNTED CEILING SPEAKER.
- S — WALL MOUNTED SPEAKER (96" M.H.). SINGLE GANG BOX WITH 0.75" BUSHED CONDUIT TO ABOVE ACCESSIBLE CORRIDOR CEILING OR NEAREST CABLE TRAY.
- S — TRUMPET TYPE SPEAKER (96" M.H.). SINGLE GANG BOX WITH 0.75" BUSHED CONDUIT TO ABOVE ACCESSIBLE CORRIDOR CEILING OR NEAREST CABLE TRAY.
- CEILING FAN FURNISHED AND INSTALLED BY H.C.; WIRED BY E.C.
- CC — SECURITY CAMERA ROUGH-IN 1 GANG BOX WITH 0.75"C.

FIRE ALARM SYSTEM SPECIFICATIONS

A. BASE BID - FURNISH AND INSTALL NEW FIRE ALARM DEVICES TO MATCH AND BE COMPATIBLE WITH THE MAIN SCHOOL BUILDING'S EXISTING SIMPLEX 4100ES FIRE ALARM SYSTEM. THE E.C. SHALL UTILIZE THE BUILDING'S FIRE ALARM VENDOR FOR THE EXTENSION OF THE EXISTING SYSTEM AND SHALL PROVIDE ADDITIONAL POWER SUPPLY/BATTERY/NAC REQUIREMENTS TO SUPPORT ADDITIONAL AV DEVICES. NOTE: IN BASE BID E.C. TO INCLUDE IN BID INSTALLATION OF UNDERGROUND DIRECTIONAL BORED CONDUIT FROM EXISTING SCHOOL BUILDING TO NEW BUILDING PER SITE PLAN. (CONDUIT NOT REQUIRED IN ALTERNATE E-1).

B. ALTERNATE BID - (ALTERNATE BID ITEM NO. E-1) FURNISH AND INSTALL STAND-ALONE FIRE ALARM SYSTEM 'MIRCOM' - 'FX-400' FURNISHED BY SECUR-COM (ATTN: BILL BERGMAN). SYSTEM SHALL INCLUDE ALL ITEMS FOR A COMPLETE FUNCTIONAL AND COMPLIANT SYSTEM INCLUDING:
CELLULAR DACT DIGITAL CELLULAR COMMUNICATOR - TELEGUARD TG-7FM; TO TRANSMIT ALARM, SUPERVISORY, TROUBLE CONDITIONS AND A DAILY TEST SIGNAL. THE DIGITAL COMMUNICATOR SHALL BE COMPATIBLE WITH THE COMMUNICATIONS PROTOCOL OF ALL MAJOR CENTRAL STATION RECEIVERS.
INCLUDE IN BID ONE YEAR OF PREPAID COST FOR CENTRAL ALARM MONITORING AND CELLULAR CHARGES.

C. THE E.C. SHALL BE RESPONSIBLE FOR OBTAINING FIRE ALARM PERMITTING AND INSPECTION PER THE LOCAL AHJ. THE E.C. SHALL FOLLOW THE EXISTING BUILDING INSTALLATION METHODS FOR CABLING AND DEVICES. PROVIDE BACKBOXES FOR FLUSH/SEMI-FLUSH DEVICES.

D. ALL FIRE ALARM SYSTEM WIRING SHALL BE INSTALLED IN CONDUIT IN THE GYM, WEIGHT ROOM, AND ALL OTHER EXPOSED LOCATIONS. CONDUIT, BOXES AND COVERS SHALL BE RED COLOR. MINIMUM CONDUIT SIZE SHALL BE 0.75" TRADE SIZE. WHERE ABOVE LAY-IN CEILINGS WIRING MAY BE RUN OPEN IN AN 'INDEPENDANT' J-HOOK SYSTEM UTILIZING PLENUM RATED CABLE.

ELECTRICAL INDEX OF DRAWINGS

SHEET	DRAWING TITLE
E0.1	LEGENDS AND SCHEDULES
E0.2	SINGLELINE DIAGRAM AND SCHEDULES
E0.3	DETAILS
E0.4	SITE PLAN
E1.1	FIRST FLOOR AND MEZZANINE FLOOR PLANS - LIGHTING
E1.2	FIRST FLOOR AND MEZZANINE FLOOR PLANS - POWER & SYSTEMS

GENERAL LEGEND

- EC — ELECTRICAL CONTRACTOR.
- FC — FIRE PROTECTION CONTRACTOR.
- GC — GENERAL CONTRACTOR.
- HC — HVAC CONTRACTOR.
- PC — PLUMBING CONTRACTOR.
- NIC — NOT IN CONTRACT.
- AFF — ABOVE FINISHED FLOOR - TO BOTTOM OF ITEM UNLESS INDICATED OTHERWISE IN DRAWING.
- (E) — EXISTING.
- ES — EQUIPMENT SUPPLIER.
- MH — MOUNTING HEIGHT.
- S — SURFACE MOUNTED.
- WP — WEATHER PROOF.
- 3 — NOTE SYMBOL - APPLIES ONLY TO SHEET ON WHICH IS SHOWN.
- 2 — DETAIL NOTE SYMBOL - APPLIES ONLY TO DETAIL ON WHICH IS SHOWN.
- H-1 — EQUIPMENT REFERENCE SYMBOL. ELECTRICAL CONNECTION REQUIRED.
- 123 — ROOM NUMBER.
- B / E2 — DETAIL SYMBOL DETAIL "B" SHOWN ON SHEET E2.
- 1 HOUR FIRE PROTECTION SEE SPECIFICATION FOR PENETRATION DETAILS
- 2 HOUR FIRE PROTECTION SEE SPECIFICATION FOR PENETRATION DETAILS
- 3 HOUR FIRE PROTECTION SEE SPECIFICATION FOR PENETRATION DETAILS
- ITEM TO BE REMOVED.
- EXISTING TO REMAIN.
- NEW ITEM.

ELECTRICAL LEGEND

- ELECTRICAL CONNECTION REQUIRED.
- EXIT LIGHTING FIXTURE. ARROWS AS INDICATED.
- H1 B1 a b — LIGHTING FIXTURE: CAPITAL LETTER DENOTES FIXTURES TYPE. LOWER CASE LETTER DENOTES SWITCHING ARRANGEMENT.
- H1 B1 — LIGHTING FIXTURE ON NIGHT LIGHT CIRCUIT.
- NL — WIRE & CONDUIT FOR NIGHT LIGHT CIRCUITRY.
- E — EXISTING WIRE & CONDUIT.
- A-1&2 — EACH ARROWHEAD REPRESENTS ONE COMPLETE CIRCUIT; CAPITAL LETTER DENOTES PANEL; NUMBER DENOTES CIRCUIT.
- WIRE & CONDUIT IN WALL OR ABOVE CEILING
- WIRE & CONDUIT UNDERGROUND
- J — JUNCTION BOX.
- DASHED SYMBOL INDICATES THAT PARTICULAR OUTLET OR DEVICE TO BE REMOVED AND CIRCUITRY MADE CONTINUOUS WHERE REQUIRED.
- E — EXISTING OUTLET OR DEVICE TO REMAIN, MAINTAIN EXISTING CIRCUITRY.
- 20A-125V SINGLE RECEPTACLE, NEMA 5-20R (18" M.H.).
- 20A-125V DUPLEX RECEPTACLE, NEMA 5-20R (18" M.H.).
- U — 20A-125V DUPLEX RECEPTACLE WITH INTEGRAL USB CHARGING PORTS (1 USB 'A'; 1 USB 'C' PORT), NEMA 5-20R (18" M.H.).USB TYPE A-C CHARGING PORTS WITH MINIMUM 5 AMPS COMBINED CHARGING POWER.
- SPECIAL PURPOSE RECEPTACLE. REFER TO NOTE ON PLAN
- D — 20A-125V DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, (18" M.H.) TWO-GANG ASSEMBLY. D = DOUBLE DUPLEX.
- 46" D — 20A-125V DUPLEX RECEPTACLE, NEMA 5-20R, (46" M.H.) UNLESS OTHERWISE INDICATED D = DOUBLE DUPLEX.
- GF — 20A-125V DUPLEX RECEPTACLE, NEMA 5-20R, WITH GROUND FAULT CIRCUIT INTERRUPTER (18" M.H.).
- T — 20A-125V TAMPERPROOF RECEPTACLE, NEMA 5-20R, (18" M.H.).
- WP/GF — 20A-125V WEATHERPROOF DUPLEX RECEPTACLE, NEMA 5-20R, WITH GROUND FAULT CIRCUIT INTERRUPTER (18" M.H.), WITH HUBBELL #WP26M CAST ALUMINUM "WHILE-IN-USE" COVER.
- SINGLE POLE WALL SWITCH (46" M.H.)
- 2 — TWO POLE WALL SWITCH (46" M.H.).
- 3 — THREE-WAY WALL SWITCH (46" M.H.).
- 4 — FOUR-WAY WALL SWITCH (46" M.H.).
- OS — LIGHTING OCCUPANCY SENSOR WALL SWITCH (46" M.H.)
- D — LIGHTING 0-10V LED DIMMER SWITCH WITH PRESET SLIDE CONTROL AND POWER ON-OFF 'DECORATOR' STYLE SWITCH (46" M.H.) UNLESS OTHERWISE INDICATED.
- 3D — LIGHTING 0-10V LED DIMMER SWITCH WITH PRESET SLIDE CONTROL AND 3-WAY POWER ON-OFF 'DECORATOR' STYLE SWITCH (46" M.H.) UNLESS OTHERWISE INDICATED.
- VS — LIGHTING VACANCY SENSOR WALL SWITCH WITH MANUAL 'ON' PUSHBUTTON AND DUAL TECHNOLOGY MOTION SENSOR TO AUTOMATICALLY TURN 'OFF' WHEN ROOM UNOCCUPIED (46" M.H.).
- DV — 0-10V LED COMBINATION VACANCY SENSOR AND DIMMER SWITCH WITH PRESET SLIDE CONTROL AND SEPARATE ON-OFF 'DECORATOR' STYLE SWITCH (46" M.H.) UNLESS OTHERWISE INDICATED, RATED MIN. 800 WATTS.
- P — SWITCH WITH NEON PILOT LIGHT. ONE-GANG ASSEMBLY (46" M.H.).
- K — KEY OPERATED WALL SWITCH (46" M.H.). HUBBELL # HBL 1221 RKL WITH #512RKL COVERPLATE.
- M — FLUSH FRACTIONAL HORSEPOWER MOTOR STARTER WITH NEON PILOT LIGHT. ONE-GANG ASSEMBLY (46" M.H.).
- H — HP RATED WALL SWITCH (46" M.H.).
- OCS — OCCUPANCY SENSOR, CEILING MOUNTED.
- OSR — OCCUPANCY SENSOR CONTROL RELAY.
- DISCONNECT SWITCH

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STATE OF OHIO — JEFFREY D. ZELINSKI 63822 — REGISTERED PROFESSIONAL ENGINEER

JEFFERY D. ZELINSKI, LICENSE #63822
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BRADFORD RAILROADERS

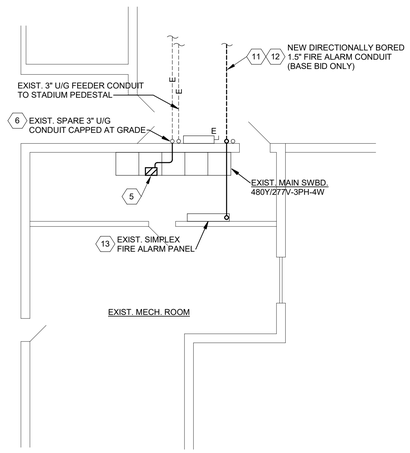
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LEGENDS AND SCHEDULES

E0.1

7/6/2026 10:27:05 AM



MAIN SCHOOL BUILDING - ELECTRICAL ROOM PLAN

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

MOTORS, STARTERS, DISCONNECTS & CONTROLS

	MOTOR NUMBER	CIRCUIT NUMBER	NAMEPLATE	MOTOR CHARACTERISTICS: HP (KVA OR FLA)	120V-1PH	208V-3PH	208V-1PH	480V-1PH	480V-3PH	LOCATION	STARTERS: NEMA SIZE	TYPE: MANUAL	TYPE: MAGNETIC	TYPE: BUILT-IN MOTOR O/L	TYPE: VFD	TYPE: ECM	LOCATION: NEAR MOTOR	LOCATION: MOTOR CONT. CNTR	LOCATION: EQUIP. CONT. PANEL	LOCATION: ROOM NUMBER	SEE NOTE	DISCONNECT MEANS: FURNISHED BY	TYPE: DISC. SWITCH	TYPE: MANUAL STARTER	TYPE: RECEPTACLE	TYPE: BREAKER	TYPE: FUSIBLE	LOCATION: NEAR MOTOR	LOCATION: MOTOR CONT. PANEL	LOCATION: EQUIP. CONT. PANEL	LOCATION: PANELBOARD	SEE NOTE	CONTROL: FURNISHED BY	INTERLOCK W/ DAMPER BY E.C.	MANUAL AT STARTER	INTEGRAL W/ EQUIP.	BY H.C.	H.O.A CONTROLLER*	FEEDER: NO. OF CONDUCTORS	WIRE SIZE	GRD. SIZE	CONDUIT SIZE	SEE NOTE
	RTU-1	P1-20	ROOFTOP AH UNIT NO 1	62.5 MCA/ 80 MOCP					•	OUTDOOR AT GRADE	–		–						•			ES	•				•	•					EC				•		3	3	8	1.25	1
	RTU-2	P1-26	ROOFTOP AH UNIT NO 2	18 MCA/25 MOCP					•	OUTDOOR AT GRADE	–		–						•			ES	•				•	•					EC				•		3	10	10	.75	1
	AC-1	R2-51	SPLIT SYS. 1 OUTDOOR	23 MCA/ 25 MOCP		•					–		–						•			ES	•				•	•					EC				•		2	10	10	.75	1
	FC-1	R2-49	SPLIT SYS. 1 INDOOR	12 MCA/ 15 MOCP	•					STORAGE ROOM	–		–						•			ES	•				•						EC				•		2	12	12	.75	
	AC-2	R1-51	SPLIT SYS. 2 OUTDOOR	17 MCA/ 20 MOCP		•				OUTDOOR AT GRADE	–		–						•			ES	•				•	•					EC				•		2	10	10	.75	1
	FC-2	R1-49	SPLIT SYS. 2 INDOOR	9 MCA/ 15 MOCP	•					MECH. ROOM	–		–						•			ES	•				•						EC				•		2	12	12	.75	
ALT. {	AC-3	P1-32	WEIGHT RM VRF	19 MCA/ 25 MOCP					•	OUTDOOR AT GRADE	–		–						•			ES	•				•	•					EC				•		3	10	10	.75	1,2
	FC-3	R1-45	WEIGHT RM VRF	1.6 MCA/ 15 MOCP		•				WEIGHT ROOM	–		–						•			ES	•				•						EC				•		2	12	12	.75	2
	EF1	R2-47	EXH. FAN NO. 1	1/2 HP	•					RESTROOMS	–		–		•	•						ES	•				•						ES				•		2	12	12	.75	3
	EF2	R1-43	EXH. FAN NO. 2	1/4 HP	•					LOCKER ROOMS	–		–		•	•						ES	•				•						ES				•		2	12	12	.75	3
	WH1	R2-45	WATER HEATER NO. 1	5 FLA	•					STOR. ROOM	–		–						•			ES				•				•		EC		•				2	12	12	.75	
	WH2	R1-55	WATER HEATER NO. 2	5 FLA	•					MECH. ROOM	–		–						•			ES				•				•		EC		•				2	12	12	.75	
	WH3	R1-57	WATER HEATER NO. 3	5 FLA	•					MECH. ROOM	–		–						•			ES				•				•		EC		•				2	12	12	.75	

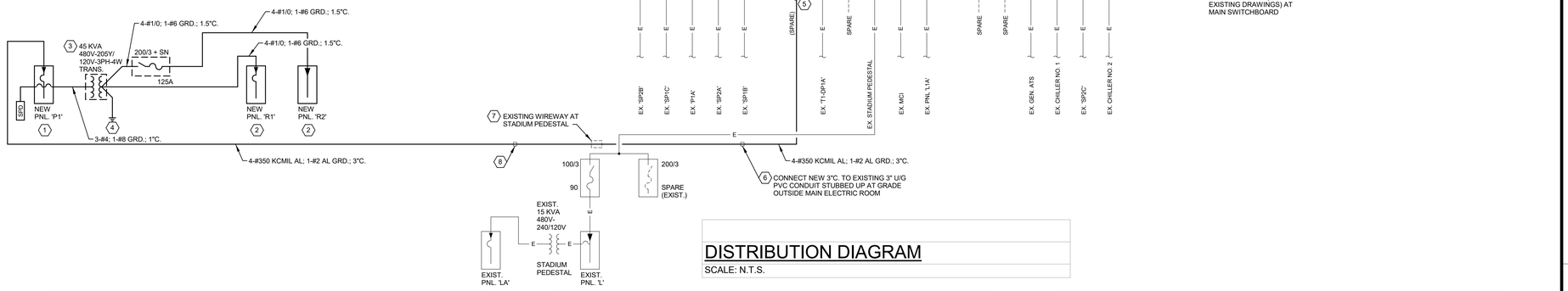
* REFER TO HOA CONTROLLER DETAIL ON HVAC DRAWING FOR WIRING OF AUX POWER REQUIREMENTS.

NOTES:

1. PROVIDE FUSES IN DISCONNECT SWITCH PER MANUFACTURER 'MOCP' RATING.
2. PROVIDED UNDER ALTERNATE BID ITEM 'G1' ONLY.
3. REFER TO 'HOA CONTROLLER' WIRING DIAGRAM ON SHEET H3.3.

CONSTRUCTION NOTES

1. 480Y/277V-3PH-4W PANEL TO BE NEMA 1 CONSTRUCTION WITH HINGED DOOR AND COPPER OR ALUMINUM BUS. PANEL TO BE RATED: 35,000 AIC SHORT CIRCUIT RATING.
2. 208Y/120V-3PH-4W PANEL TO BE NEMA 1 CONSTRUCTION WITH HINGED DOOR AND COPPER OR ALUMINUM BUS. PANEL TO BE RATED: 10,000 AIC SHORT CIRCUIT RATING.
3. STEPDOWN TRANSFORMER - ALUMINUM WINDINGS; 150 DEGREE C. RISE.
4. GROUND TO GROUND BUS AND BUILDING STEEL.
5. CONNECT TO SPARE 200A/3P SWITCH; PROVIDE NEW 200A CLASS 'RK1' FUSES.
6. CONNECT TO U/G PVC CONDUIT WITH NEW RIGID CONDUIT UP WALL AND INTO BUILDING WITH L-B FITTING.
7. UTILIZE SPARE 3" CONDUITS INTO AND OUT OF WIREWAY FOR NEW FEEDER.
8. LOCATE AND CONNECT TO EXISTING U/G 3"C.
9. BRANCH CIRCUIT IN BASE BID ONLY - PROVIDE SPARE BREAKER IN ALTERNATE BID ITEM 1.
10. EQUIPMENT IN ALTERNATE BID ITEM 1 ONLY - PROVIDE SPARE BREAKER IN BASE BID.
11. PROVIDE UNDERGROUND CONDUIT FOR FIRE ALARM WIRING IN BASE BID ONLY FOR EXTENSION OF EXISTING SIMPLEX FIRE ALARM SYSTEM TO NEW BUILDING - DELETE CONDUIT IN ALTERNATE E-1.
12. FIRE ALARM WIRING TO BE SUITABLE FOR UNDERGROUND WET LOCATION INSTALLATION.
13. IN BASE BID CONNECT TO EXISTING SIMPLEX FIRE ALARM SYSTEM FOR EXTENSION TO NEW BUILDING - DELETE IN ALTERNATE E-1.



DISTRIBUTION DIAGRAM

SCALE: N.T.S.

Branch Panel: P1 **Construction:** New **System:** Normal Power

LOCATION: MECHANICAL 112 **MOUNTING:** Surface **A.I.C RATING** 35,000 A
SUPPLY FROM: **ENCLOSURE:** Type 1 **MAINS TYPE:** M.C.B
VOLTAGE: 480/277 Wye-3-4 **MCB RATING:** 200 A **MAINS RATING:** 200 A

CKT	Description	Trip	Poles	Note	A	B	C	Note	Poles	Trip	Description	CKT
1	Lighting	20 A	1		400 VA	300 VA			1	20 A	Lighting	2
3	Lighting	20 A	1			872 VA	140 VA		1	20 A	Lighting	4
5	Lighting	20 A	1				642 VA	185 VA	1	20 A	Lighting	6
7	Lighting	20 A	1		504 VA	0 VA			1	20 A	Spare	8
9	Lighting	20 A	1			619 VA	0 VA		1	20 A	Spare	10
11	Lighting	20 A	1				682 VA	0 VA	1	20 A	Spare	12
13												14
15												16
17												18
19	Transformer	70 A	3		15000...	15000...			3	100 A	RTU-1	20
21	--	--	--			15000 VA	15000 VA		--	--	--	22
23	--	--	--				15000...	15000...	--	--	--	24
25	Spare	20 A	3		0 VA	4300 VA			3	30 A	R-Mechanical	26
27	--	--	--			0 VA	4300 VA		--	--	--	28
29	--	--	--				0 VA	4300 VA	--	--	--	30
31	Spare	30 A	3		0 VA	42000...			3	30 A	AC-3	32
33	--	--	--			0 VA	42000 VA		--	--	--	34
35	--	--	--				0 VA	42000...	--	--	--	36
37					0 VA				3	20 A	SPD	38
39						0 VA			--	--	--	40
41								0 VA	--	--	--	42
		Total Load:			77504 VA	77931 VA	77808 VA					

NOTES:

Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals
Lighting	3943 VA	125.00%	4929 VA	
Motor	126000 VA	125.00%	157500 VA	**Total Conn. Load:** 233243 VA
Other	102900 VA	100.00%	102900 VA	**Total Est. Demand:** 265728 VA
Spare	400 VA	100.00%	400 VA	**Total Conn. Current:** 281 A
				Total Est. Demand Current: 320 A

Branch Panel: R1 **Construction:** New or Existing **System:** Normal Power

LOCATION: MECHANICAL 112 **MOUNTING:** Surface **A.I.C RATING** 10,000 A
SUPPLY FROM: **ENCLOSURE:** Type 1 **MAINS TYPE:** M.C.B
VOLTAGE: 120/208 Wye-3-4 **MCB RATING:** 125 A **MAINS RATING:** 125 A

CKT	Description	Trip	Poles	Note	A	B	C	Note	Poles	Trip	Description	CKT
1	R-Trainer	20 A	1		180 VA	720 VA			1	20 A	R-Corr.	2
3	R-Trainer	20 A	1			180 VA	3000 VA		1	20 A	R-Stor.	4
5	R-Trainer	20 A	1				180 VA	360 VA	1	20 A	R-Gym	6
7	R-Trainer	20 A	1		720 VA	180 VA			1	20 A	R-Gym	8
9	R-Office	20 A	1			720 VA	0 VA		1	20 A	Spare	10
11	R-Locker	20 A	1				540 VA	0 VA	1	20 A	Spare	12
13	R-Locker	20 A	1		540 VA	180 VA			1	20 A	Backstop	14
15	R-Locker	20 A	1			540 VA	180 VA		1	20 A	Backstop	16
17	R-Locker	20 A	1				540 VA	180 VA	1	20 A	Backstop	18
19	R-Ext./Corr.	20 A	1		360 VA	180 VA			1	20 A	Backstop	20
21	R-GYM	20 A	1			360 VA	180 VA		1	20 A	Backstop	22
23	Access	20 A	1				0 VA	180 VA	1	20 A	Backstop	24
25	R-Exterior	20 A	1		360 VA	360 VA			1	20 A	R-Mechanical	26
27	Spare	20 A	1			0 VA	360 VA		1	20 A	R-Mechanical	28
29	Spare	20 A	1				0 VA	360 VA	1	20 A	R-Mechanical	30
31	R-Weight	20 A	1		0 VA	1000 VA			1	20 A	R-Data	32
33	R-Weight	20 A	1			0 VA	180 VA		1	20 A	Flag Furler	34
35	R-Weight	20 A	1				0 VA	0 VA	1	20 A	Hand Dryer	36
37	R-Weight	20 A	1		0 VA	0 VA			1	20 A	Hand Dryer	38
39	Spare	20 A	1			0 VA	0 VA		1	20 A	Spare	40
41	Spare	20 A	1				0 VA	200 VA	1	20 A	FA Panel	42
43	EF-2	20 A	1		1000 VA	500 VA			1	20 A	Sign	44
45	FC-3	20 A	2			1000 VA	500 VA		1	20 A	Sign	46
47	--	--	--				1000 VA	500 VA	1	20 A	Sign	48
49	FC-2	15 A	1		1000 VA	0 VA			1	20 A	Spare	50
51	AC-2	20 A	2			1700 VA	0 VA		1	20 A	Spare	52
53	--	--	--				1700 VA	0 VA	1	20 A	Spare	54
55	WH-2	20 A	1		500 VA							56
57	WH-3	20 A	1			500 VA						58
59	Trap Primer	20 A	1				1000 VA					60
61					0 VA				3	20 A	Spare	62
63							0 VA		--	--	--	64
65	Spare	30 A	2				0 VA	0 VA	--	--	--	66
67	--	--	--		0 VA	500 VA			3	20 A	Bleachers	68
69	Spare	20 A	2			0 VA	500 VA		--	--	--	70
71	--	--	--				0 VA	500 VA	--	--	--	72
		Total Load:			8280 VA	9900 VA	7240 VA					

NOTES:

1. PROVIDE LOCKING CLIP AND PAINT HANDLE 'RED'.

Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals
Lighting	1500 VA	125.00%	1875 VA	
Motor	4400 VA	119.32%	5250 VA	**Total Conn. Load:** 25420 VA
Other	3700 VA	100.00%	3700 VA	**Total Est. Demand:** 25235 VA
Power	3000 VA	100.00%	3000 VA	**Total Conn. Current:** 71 A
Receptacles	12820 VA	89.00%	11410 VA	**Total Est. Demand Current:** 70 A

Branch Panel: R2 **Construction:** New **System:** Normal Power

LOCATION: STORAGE 106 **MOUNTING:** Surface **A.I.C RATING** 10,000 A
SUPPLY FROM: **ENCLOSURE:** Type 1 **MAINS TYPE:** M.C.B
VOLTAGE: 120/208 Wye-3-4 **MCB RATING:** NA **MAINS RATING:** 100 A

CKT	Description	Trip	Poles	Note	A	B	C	Note	Poles	Trip	Description	CKT
1	R-CONC.	20 A	1		180 VA	1000 VA			1	20 A	R-CONC.	2
3	R-CONC.	20 A	1				180 VA	1000 VA	1	20 A	R-CONC.	4
5	R-CONC.	20 A	1					180 VA	1000 VA	1	20 A	R-CONC.	6
7	R-CONC.	20 A	1		360 VA	0 VA			1	20 A	Spare	8
9	R-CONC.	20 A	1			180 VA	0 VA		1	20 A	Spare	10
11	R-CONC.	20 A	1				180 VA	360 VA	1	20 A	R -Lobby	12
13	R -Lobby	20 A	1		720 VA	720 VA			1	20 A	R-Rest. Rm.	14
15	R -Lobby	20 A	1			540 VA	0 VA		1	20 A	Hand Dryer	16
17	E.W.C.	20 A	1	1			180 VA	0 VA	1	20 A	Hand Dryer	18
19	R-GYM	20 A	1		360 VA	360 VA			1	20 A	R-Exterior	20
21	R-GYM	20 A	1			360 VA	360 VA		1	20 A	R-Exterior	22
23	Spare	20 A	1				0 VA	4180 VA	1	20 A	R-Storage	24
25	Access	20 A	1		0 VA	0 VA			1	20 A	Spare	26
27	Door Oper.	20 A	1			0 VA	0 VA		1	20 A	Spare	28
29	Door Oper.	20 A	1				0 VA	0 VA	1	20 A	Spare	30
31	Spare	20 A	1		0 VA	0 VA			1	20 A	R-Weight	32
33	Spare	20 A	1			0 VA	0 VA		1	20 A	R-Weight	34
35	Spare	20 A	1				0 VA	0 VA	1	20 A	R-Weight	36
37	Spare	20 A	1		0 VA	0 VA			1	20 A	Spare	38
39	Spare	20 A	1			0 VA	0 VA		1	20 A	Spare	40
41	Scoreboard	20 A	1				1000 VA	0 VA	1	20 A	Spare	42
43	Spare	20 A	1		0 VA	0 VA			1	20 A	Spare	44
45	WH-1	20 A	1			500 VA	0 VA		1	20 A	Spare	46
47	EF-1	20 A	1				1000 VA	0 VA	1	20 A	Spare	48
49	FC-1	15 A	1		1200 VA							50
51	AC-1	30 A	2			2300 VA						52
53	--	--	--				2300 VA					54
55	Receptacles	20 A	1		1000 VA							56
57	Receptacles	30 A	2			1000 VA						58
59	--	--	--				1000 VA					60
61												62
63												64
65												66
67												68
69												70
71												72
		Total Load:			5900 VA	6420 VA	11380 VA					

NOTES:

1. GFCI BREAKER.

Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals
Lighting	1200 VA	125.00%	1500 VA	
Motor	5600 VA	120.54%	6750 VA	**Total Conn. Load:** 23700 VA
Other	0 VA	0.00%	0 VA	**Total Est. Demand:** 21950 VA
Power	500 VA	100.00%	500 VA	**Total Conn. Current:** 66 A
Receptacles	16400 VA	80.49%	13200 VA	**Total Est. Demand Current:** 61 A

0 4 8 16 24 32 40

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

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JEFFREY D. ZELINSKI, LICENSE #63822
EXPIRATION DATE 12/31/2027

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CONSULTANTS

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Project # 26017

BRADFORD EVSD

ATHLETIC FACILITY

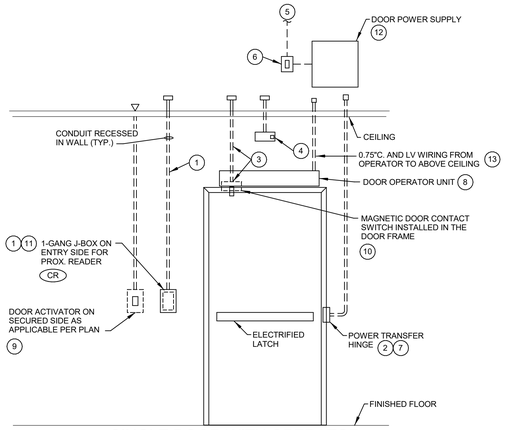
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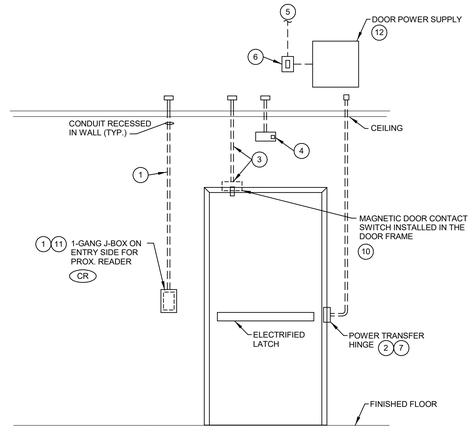
SINGLELINE DIAGRAM AND SCHEDULES

E0.2



SINGLE DOOR WITH OPERATOR

NOTE: DOUBLE DOORS SIMILAR WITH POWER TRANSFER HINGE AND LATCH RETRACTION ON ACTIVE LEAF ONLY.



SINGLE DOOR

NOTE: DOUBLE DOORS SIMILAR WITH POWER TRANSFER HINGE AND LATCH RETRACTION ON ACTIVE LEAF ONLY.

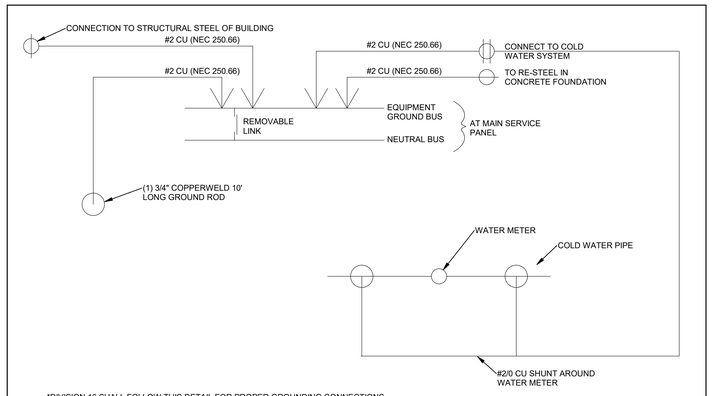
NOTE: ALL ACCESS CONTROL SYSTEM EQUIPMENT AND WIRING TO BE FURNISHED AND INSTALLED BY OWNER ACCESS CONTROL CONTRACTOR (N.I.C.).

ACCESS CONTROL-DOOR DETAILS

A E0.3

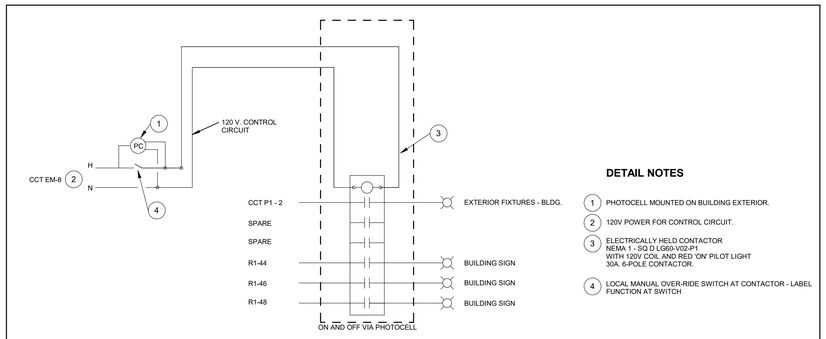
SCALE: NTS

#	ACCESS CONTROL-DETAIL NOTES
1.	PROXIMITY READER-1-GANG BOX WITH 0.75"C. TO ABOVE CEILING.
2.	POWER TRANSFER HINGE - 0.5"C. STUBBED OUT AT DOOR FRAME HINGE LOCATION-TERMINATE ABOVE DOOR.
3.	DOOR POSITION SWITCH-TERMINATE 0.5"C. AT DOOR FRAME IN 1-GANG BOX RECESSED INSIDE WALL AT TOP OF FRAME, TERMINATE ABOVE DOOR.
4.	REQUEST TO EXIT SENSOR FURNISHED AND INSTALLED BY E.C. PROVIDE 1-GANG BOX IN WALL CENTERED OVER DOOR WITH 0.5"C. TO ABOVE DOOR (ALIGN OPENING WITH DOOR OPENING).
5.	120V CIRCUIT TO DOOR LATCH POWER SUPPLY CABINET.
6.	WIRE 120V CIRCUIT THROUGH TOGGLE SWITCH ADJACENT TO POWER SUPPLY ABOVE CEILING.
7.	CONFIRM POWER TRANSFER HINGE LOCATION PRIOR TO ROUGH-IN.
8.	DOOR OPERATOR -OWNER ACCESS CONTROL VENDOR TO MAKE CONTROL CONNECTION TO ACCESS CONTROL SYSTEM AS COORDINATED WITH HARDWARE SUPPLIER DURING INSTALLATION.
9.	DOOR ACTIVATOR WALL PLATE (WAVE TO OPEN) INSTALLED AND WIRED TO DOOR OPERATOR BY E.C.
10.	DPS FURNISHED AND INSTALLED BY OWNER VENDOR.
11.	PROX. READER FURNISHED AND INSTALLED BY OWNER VENDOR.
12.	POWER SUPPLY FURNISHED BY DOOR HARDWARE SUPPLIER; INSTALLED BY E.C. (LOW VOLTAGE WIRING BY OWNER'S ACCESS CONTROL SYSTEM VENDOR).
13.	CONTROL WIRING BY AUTOMATIC DOOR INSTALLATION CONTRACTOR.



*DIVISION 16 SHALL FOLLOW THIS DETAIL FOR PROPER GROUNDING CONNECTIONS

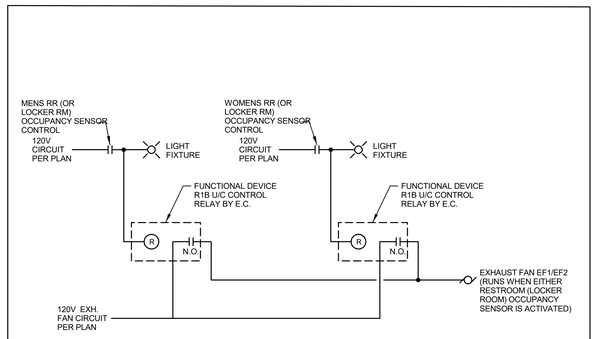
B **GROUNDING DETAIL** N.T.S.



DETAIL NOTES

1. PHOTOCELL MOUNTED ON BUILDING EXTERIOR.
2. 120V POWER FOR CONTROL CIRCUIT.
3. ELECTRICALLY HELD CONTACTOR NEMA 1 - SQ D LG60-V02-P1 WITH 120V COIL AND RED 'ON' PILOT LIGHT 30A. 6-POLE CONTACTOR.
4. LOCAL MANUAL OVER-RIDE SWITCH AT CONTACTOR - LABEL FUNCTION AT SWITCH

C **EXTERIOR LIGHTING CONTROL** N.T.S.



D EXHAUST FAN CONTROL N.T.S.

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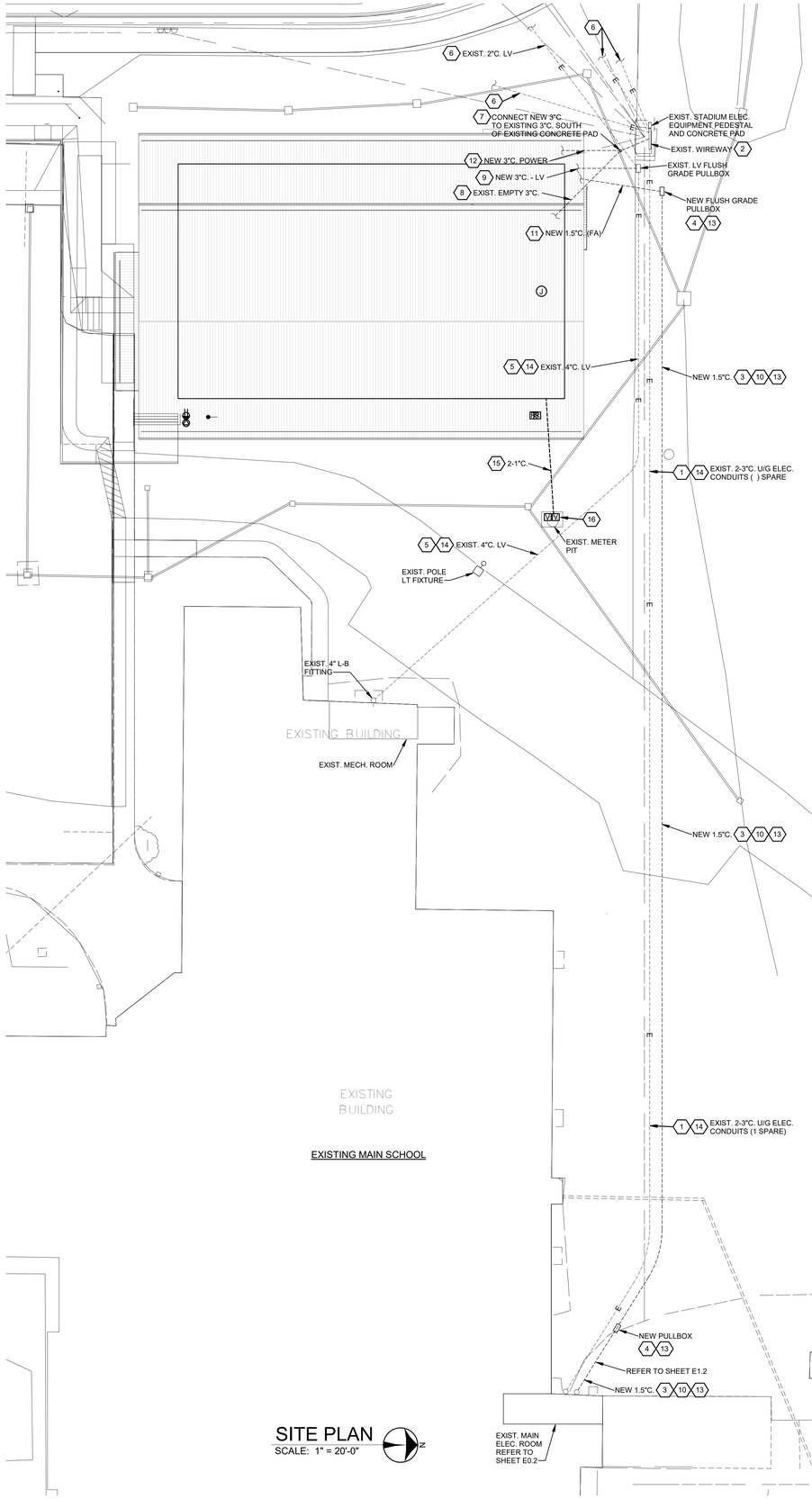
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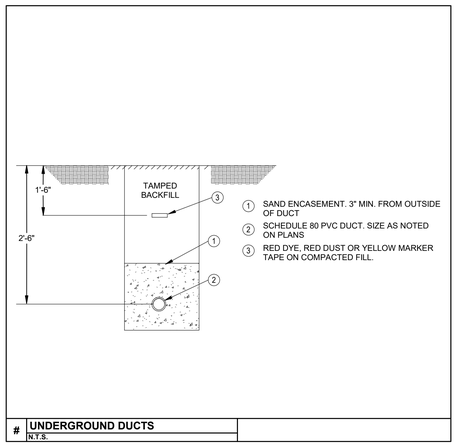
DETAILS

E0.3

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SITE PLAN
SCALE: 1" = 20'-0"



#	UNDERGROUND DUCTS
	N.T.S.

CONSTRUCTION NOTES

1. UTILIZE SPARE 3"C. FOR NEW ATHLETIC BUILDING FEEDER.
2. EXTEND NEW FEEDER FROM SCHOOL UP INTO WIREWAY AND BACK DOWN FROM WIREWAY INTO EXISTING 3"C. TO ROUTE TO NEW BUILDING.
3. NEW HORIZONTAL DIRECTIONAL DRILLED 1.5" SMOOTH HDPE CONDUIT FOR NEW FIRE ALARM WIRING - CONDUIT TO BE LISTED SCHEDULE 8 WITH TONEABLE COPPER CONDUCTOR.
4. NEW 11"x18"x24" DP FLUSH GRADE PULLBOX AND COVER - QUAZITE PC1118BA12 (2 STACKED) WITH PC1118CA00 COVER IMPRINTED "ELECTRIC".
5. EXISTING U/G LV CONDUIT AND WIRING TO REMAIN - NO WORK BY E.C.
6. EXISTING U/G CONDUITS AND WIRING TO STADIUM AND PRESS BOX TO REMAIN.
7. LOCATE EXISTING EMPTY U/G 3"C. SOUTH OF EXISTING CONCRETE PAD - CUT AND CONNECT NEW 3"C. TO EXISTING 3"C. AND EXTEND TO NEW ELEC. PANEL. NEW CONDUIT DIRECT BURIAL SCH. 80 PVC.
8. ABANDON PORTION OF EXISTING U/G 3"C. SOUTH OF POINT OF CONNECTION WITH NEW 3" FEEDER CONDUIT.
9. NEW 3" U/G SCHEDULE 80 PVC LV CONDUIT FROM EXISTING LV PULLBOX TO NEW MECH. ROOM DATA EQUIPMENT LOCATION - REFER TO SHEET E1.2.
10. FIRE ALARM CONDUCTORS TO BE SUITABLE FOR UNDERGROUND (WET AREA) INSTALLATION.
11. NEW 1.5" SCH. 80 PVC FIRE ALARM CONDUIT FROM NEW PULLBOX TO NEW MECH. ROOM FIRE ALARM PANEL. REFER TO SHEET E1.2.
12. NEW 3" U/G SCHEDULE 80 PVC FEEDER CONDUIT TO MECH. ROOM PANEL 'P1'. REFER TO SHEET E1.2.
13. PROVIDE CONDUITS, PULLBOXES AND CABLING IN BASE BID. DELETE UNDER ALTERNATE E-1.
14. APPROXIMATE LOCATION SHOWN FROM EXISTING DRAWINGS, ACTUAL LOCATION TO BE SITE VERIFIED AS REQUIRED.
15. PROVIDE 2 DIRECT BURIED 1" SCH. 80 PVC CONDUITS FROM NEW BUILDING TO EXISTING WATER METER PIT (1 FOR FIRE ALARM; 1 FOR SPARE).
16. CONNECT TO NEW WATER VALVES IN EXISTING METER PIT - WIRE TAMPER SWITCH CONNECTIONS TO MONITORING RELAYS INSTALLED IN NEW BUILDING.

HORIZONTAL DIRECTIONAL DRILLING SPECIFICATIONS

A. WORK CONSISTS OF FURNISHING AND INSTALLING UNDERGROUND CONDUITS USING HORIZONTAL DIRECTIONAL DRILLING (HDD) METHOD OF INSTALLATION. INCLUDE ALL SERVICES, EQUIPMENT, MATERIALS, AND LABOR FOR THE COMPLETE AND PROPER INSTALLATION, TESTING, RESTORATION OF UNDERGROUND UTILITIES AND ENVIRONMENTAL PROTECTION AND RESTORATION.

B. CONTRACTOR SHALL ENGAGE A COMPANY AS A SUBCONTRACTOR THAT SPECIALIZES IN LOCATING AND MARKING UNDERGROUND UTILITIES. THIS SUBCONTRACTOR SHALL BE U.S.I.C., UNDERGROUND DETECTIVE, OR BLOODHOUND. OTHER LOCATING SERVICES SHALL BE PERMITTED IF APPROVED BY ARCHITECT AND ENGINEER. THIS CONTRACTOR SHALL FIELD MARK ALL EXISTING UNDERGROUND UTILITIES IN PATH OF DIRECTIONAL BORING. UTILIZE CIVIL ENGINEER SITE UTILITY DRAWINGS AND ELECTRICAL SITE PLAN. IN ADDITION LOCATE ALL UNDERGROUND CONDUITS AND CABLES IN AREA OF WORK NOT SHOWN ON SITE UTILITY PLANS BY ELECTRONIC TRACER LOCATING METHODS.

C. CONTRACTOR (OR SUB-CONTRACTOR) SHALL PROVIDE DOCUMENTED EVIDENCE OF SUCCESSFUL INSTALLATION OF PIPE THROUGH THE HORIZONTAL DRILL METHOD FOR WORK COMPARABLE IN NATURE TO THE SCOPE OF WORK REQUIRED BY THIS PROJECT FOR A MINIMUM OF TWO YEARS. ALL DRILLING, DRILL GUIDANCE AND PIPE JOINING EQUIPMENT OPERATORS SHALL BE EXPERIENCED IN COMPARABLE HORIZONTAL DIRECTIONAL DRILLING WORK.

D. CONTRACTOR SHALL SUBMIT PERSONNEL INFORMATION, INCLUDING SPECIFIC PROJECT EXPERIENCE, FOR ALL PROPOSED DRILLING, DRILL GUIDANCE, AND PIPE JOINING EQUIPMENT OPERATORS, INCLUDING OF EVIDENCE OF TRAINING IN THE USE OF THE PROPOSED EQUIPMENT.

E. SUBMIT PIPE OR CONDUIT CATALOG INFORMATION CONFIRMING THAT PIPE, FITTINGS, JOINTS, AND OTHER MATERIALS CONFORM TO THE REQUIREMENTS OF THE SPECIFICATIONS.

F. HORIZONTAL ALIGNMENT SHALL BE AS SHOWN ON THE PROJECT DOCUMENTS AND MINIMUM DEPTH SHALL BE 30 INCHES.

G. PROVIDE AS-BUILT DOCUMENTATION. CONTRACTOR SHALL PLOT AS-BUILT CONDITIONS ON THE FIELD DRAWINGS , INCLUDING THE LOCATION IN PLAN AND DEPTH OF THE BORE EVERY 20 FEET ALONG DRILL PIPE.

H. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FOLLOWING THE PROCEDURES IN THIS SPECIFICATION TO IDENTIFY, LOCATE AND VERIFY THE PRESENCE OF EXISTING UTILITIES ALONG THE ROUTE OF THE PROPOSED BORE OR WORK AREAS.

I. THE DIRECTIONAL DRILLING EQUIPMENT SHALL CONSIST OF A DIRECTIONAL DRILLINGS RIG, A DRILLING FLUID MIXING, DELIVERY AND RECOVERY SYSTEM, AND A GUIDANCE SYSTEM TO ACCURATELY GUIDE BORING OPERATIONS. ALL EQUIPMENT SHALL BE IN GOOD, SAFE OPERATING CONDITION.

J. STEERING OF THE BORE MUST BE PERFORMED WITH A METHOD APPROVED BY THE BORING EQUIPMENT MANUFACTURER.

K. ENSURE THAT ALL DRILLINGS FLUIDS ARE DISPOSED OF OR RECYCLED IN A MANNER ACCEPTABLE TO THE APPROPRIATE LOCAL, STATE, OR FEDERAL REGULATORY AGENCIES.

L. HIGH DENSITY POLYETHYLENE PIPE SHALL BE HEAT FUSED AND PRESSURE TESTED AS PER MANUFACTURER'S GUIDELINES BEFORE INSTALLATION IN THE BORE HOLE.

M. SWAB CONDUITS TO THOROUGHLY CLEAN THE CONDUIT OF ALL FOREIGN MATERIAL, SAND, GRAVEL, CONSTRUCTION DEBRIS AND OTHER ITEMS NOT FOUND IN A PROPERLY CLEANED SYSTEM.

N. ALL DRILL FLUID EXCESS SHALL BE CONTAINED IN ENTRY AND/OR EXIT PITS AND PUMPED AS NEEDED INTO ADDITIONAL ON-SITE STORAGE TANKS, TANKER TRUCKS, VACUUM TRUCKS, ETC. DISPOSE OF EXCESS DRILL FLUID OFFSITE AS ALLOWED BY LOCAL RULES AND REGULATIONS.

OHIO UTILITIES PROTECTION SERVICE

UNDERGROUND UTILITY PROTECTION: TWO WORKING DAYS BEFORE YOU DIG

CALL 1(800)-362-2764 (TOLL FREE) OR CALL 811

Ohio Utilities Protection Service Call 811 before you dig

0 10 20 40 60 80 100

SCALE: 1"=20'-0"

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JEFFREY D. ZELINSKI 63822
REGISTERED PROFESSIONAL ENGINEER

JEFFERY D. ZELINSKI, LICENSE #63822
EXPIRATION DATE 12/31/2027

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SITE PLAN

E0.4

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GENERAL NOTES

A. CEILING MOUNTED OCCUPANCY SENSORS AND CONTROL RELAYS FOR LIGHTING CONTROL ARE SHOWN AS A REPRESENTATIVE OF QUANTITIES FOR AREA OF COVERAGE. THE E.C. AND THEIR CONTROLS SUPPLIER SHALL VERIFY ACTUAL QUANTITY AND LOCATION OF DEVICES REQUIRED WITH THE DEVICE MANUFACTURER TO ENSURE COMPLETE COVERAGE OF THE AREA CONTROLLED FOR THE LISTED CEILING PLANS AND FOR THE INTENT OF ZONING AND EMERGENCY LIGHTING AS SHOWN ON THE ELECTRICAL LIGHTING PLANS.

B. THE E.C. SHALL ENSURE THAT ALL OCCUPANCY SENSORS ARE ADJUSTED PROPERLY FOR COVERAGE FROM ROOM ENTRY AND THAT OFF-DELAY SETTINGS ARE ADJUSTED TO A MINIMUM OF 20 MINUTES AT PROJECT COMPLETION.

CONSTRUCTION NOTES - NETWORKED DISTRIBUTED LIGHTING CONTROL SYSTEMS

NOTE: NETWORKED DISTRIBUTED LIGHTING CONTROL SYSTEM EQUIPMENT TO BE BY LITHONIA OR EQUAL BY WATTSTOPPER OR LEVITON.

⬡ NOTES ON THIS SHEET ARE APPLICABLE TO SHEETS E1.1 THRU E2.2.

C1 ALL ROOM LIGHTS TO BE TURNED 'ON' MANUALLY BY ACTIVATING VACANCY SENSOR SWITCH AT DOOR; TURNED 'OFF' AUTOMATICALLY BY VACANCY SENSOR OR TURNED OFF MANUALLY BY SWITCH AT DOOR.

C2 ALL LOBBY/CORRIDOR LIGHTING MANUALLY TURNED 'ON' AND 'OFF' BY WALL SWITCHES; AND AUTOMATICALLY TURNED 'ON' AND 'OFF' BY OCCUPANCY SENSORS IF WALL SWITCHES ARE 'ON'.

C3 ALL ROOM LIGHTS TO BE TURNED 'ON' MANUALLY BY ACTIVATING SWITCH AT DOOR; TURNED 'OFF' AUTOMATICALLY BY OCCUPANCY SENSORS OR TURNED OFF MANUALLY BY SWITCH AT DOOR. DIMMING ALSO PROVIDED BY SWITCH AT EITHER DOOR.

C4 ALL ROOM LIGHTS TO BE TURNED 'ON' MANUALLY BY ACTIVATING SWITCH AT DOOR; TURNED OFF AUTOMATICALLY BY OCCUPANCY SENSORS OR TURNED OFF MANUALLY BY SWITCH AT DOOR.

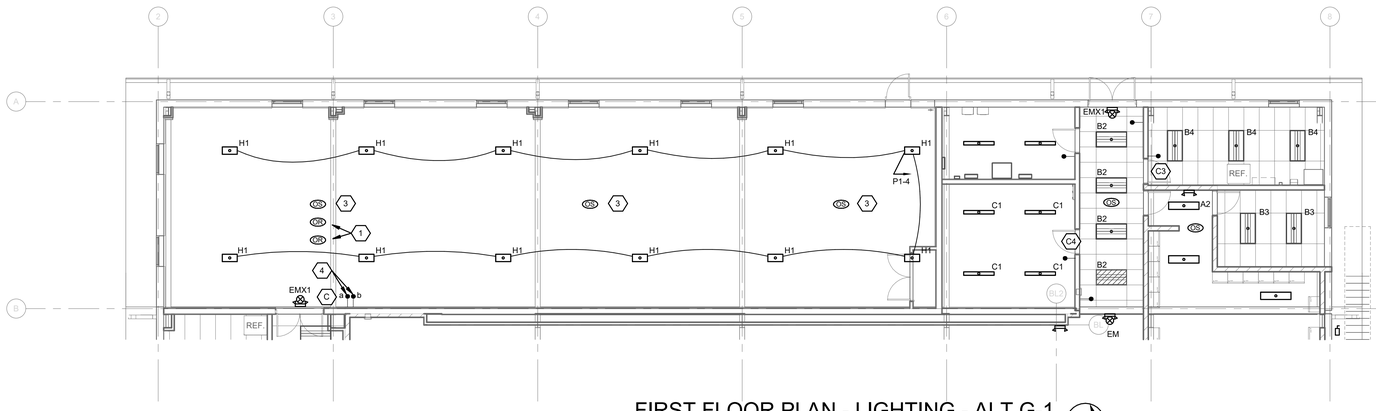
C5 ALL ROOM LIGHTS TO BE TURNED 'ON' MANUALLY BY ACTIVATING VACANCY SENSOR SWITCH AT DOOR; TURNED 'OFF' AUTOMATICALLY BY VACANCY SENSOR OR TURNED OFF MANUALLY BY SWITCH AT DOOR. DIMMING ALSO PROVIDED BY DIMMER AT DOOR.

C6 ALL ROOM LIGHTING TO BE TURNED 'ON' AND 'OFF' AUTOMATICALLY BY OCCUPANCY SENSORS. NO WALL SWITCH CONTROL.

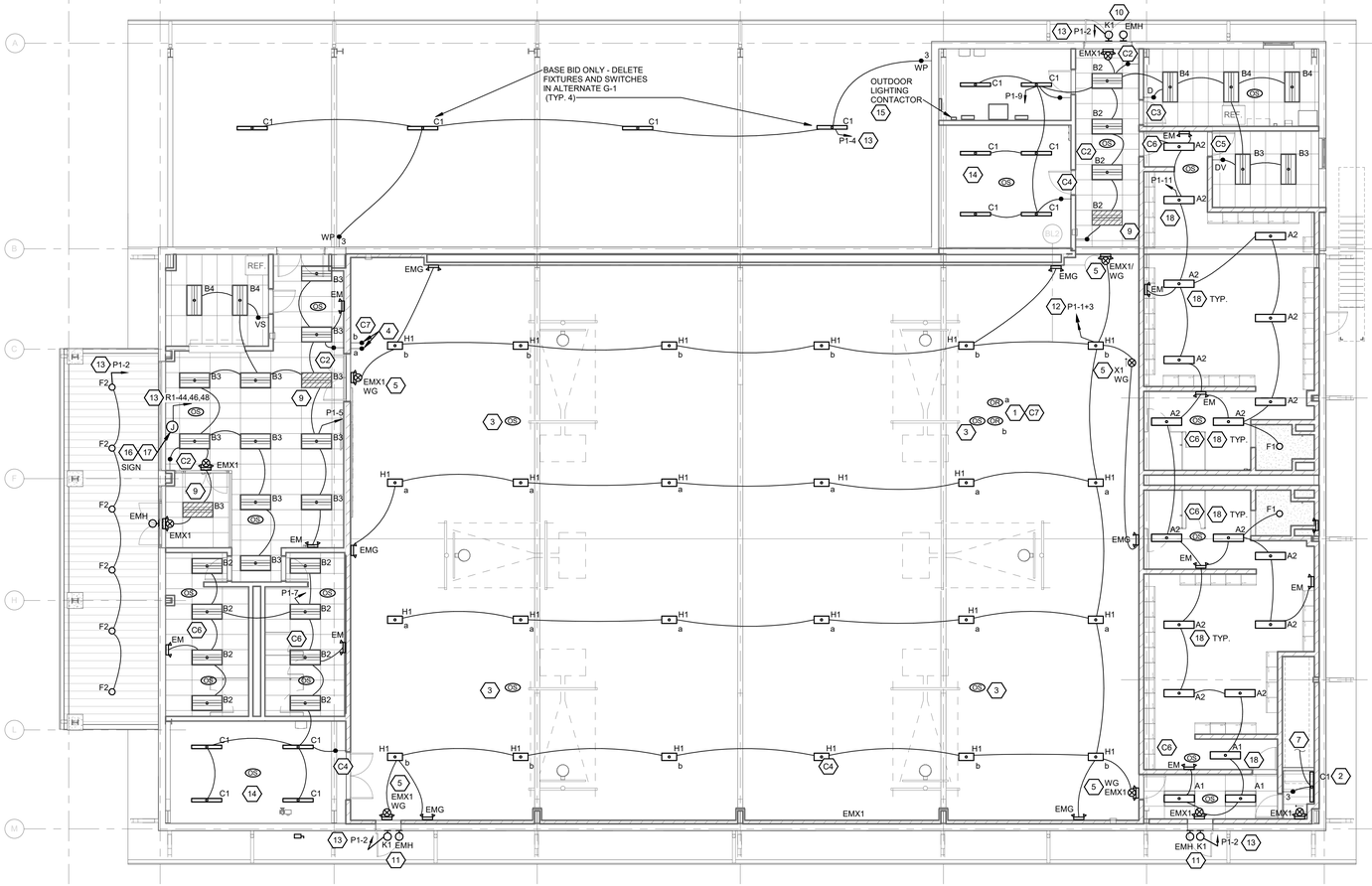
C7 'a' SUFFIX SWITCH TO MANUALLY TURN 'ON' ALL 'a' SUFFIX FIXTURES. ALL 'a' SUFFIX FIXTURES TURNED 'OFF' BY EITHER SWITCH OR OCCUPANCY SENSORS; TURNED 'ON' ONLY BY ACTIVATION SWITCH.
'b' SUFFIX SWITCH TO CONTROL RELAY TO MANUALLY TURN 'ON' AND MANUALLY TURN 'OFF' ALL 'b' SUFFIX FIXTURES (NOT TURNED 'OFF' BY OCCUPANCY SENSORS).

⬡ CONSTRUCTION NOTES

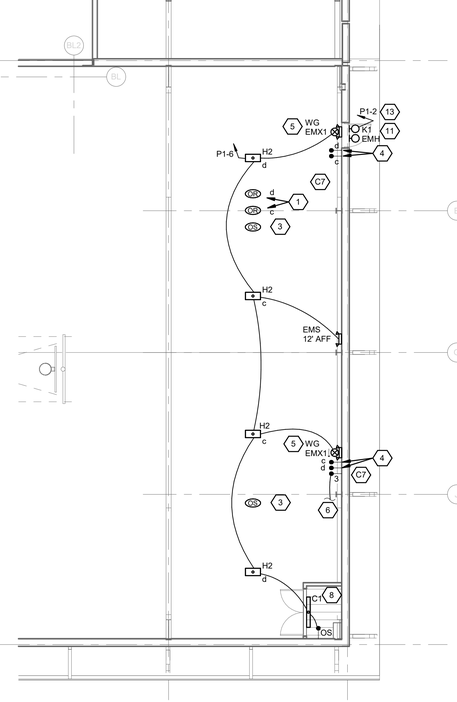
1. PROVIDE MULTIPLE HIGH BAY OCCUPANCY SENSORS AND (2) OCCUPANCY SENSOR 277V CONTROL RELAYS (CONTROLLED BY ALL OCCUPANCY SENSORS IN GYM). ALL 'a' SWITCHLEG FIXTURES IN ROOM ARE CONTROLLED 'OFF' BY OCCUPANCY SENSORS (ALL 'b' SWITCHLEG FIXTURES ARE TURNED OFF MANUALLY BY 'b' RELAY CONTROL SWITCH ONLY).
2. MOUNT TO WALL 10' AFF IN STAIRWELL.
3. MOUNT TO STRUCTURE WITH WIRE GUARD.
4. MOUNT SWITCHES INDIVIDUALLY AND PROVIDE PROTECTIVE COVERS ON EACH SWITCH - COVERS TO BE S.T.I. #6519 OR EQUAL.
5. PROVIDE WIRE GUARD SUITABLE FOR FIXTURE.
6. DOWN TO FIXTURE ON LANDING BELOW.
7. UP TO SWITCH ON LANDING ABOVE.
8. MOUNT TO WALL CENTERED ABOVE DOORS.
9. UNSWITCHED NIGHT LIGHT FIXTURE.
10. MOUNT 'K1' FIXTURE 9' AFF CENTERED OVER DOOR OPENING, MOUNT 'EMH' FIXTURE ADJACENT AT SAME ELEVATION.
11. MOUNT 'K1' FIXTURE 11' AFF CENTERED OVER DOOR OPENING; MOUNT 'EMH' FIXTURE 8'-6" AFF CENTERED OVER DOOR OPENING.
12. ONE CIRCUIT SERVES ALL 'a' SUFFIX FIXTURES; ONE CIRCUIT SERVES ALL 'b' SUFFIX FIXTURES.
13. WIRE THROUGH OUTDOOR LIGHTING CONTACTOR.
14. MOUNT FIXTURES 12' AFF IN THIS ROOM.
15. REFER TO DETAIL ON SHEET E0.3.
16. PROVIDE 120V CIRCUITS WITH 2-#10, 1-#10 GRD.;IN 1"C. FOR EXTERIOR 'THE STATION' SIGN. E.C. SHALL PROVIDE A BOX AND POWER CONNECTION FOR EACH SIGNAGE LETTER (10 LETTERS) AS REQUIRED BY SIGN MANUFACTURER. COORDINATE EXACT VOLTAGE AND ELECTRICAL REQUIREMENTS WITH SIGN MANUFACTURER AND COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN. DRIVERS AND POWER CONNECTIONS TO BE MOUNTED ON WALL APPROX. 12" ABOVE LAY-IN CEILING. RUN CIRCUITS THROUGH LIGHTING CONTROLLER AS INDICATED ON SHEET E0.3.
17. PROVIDE SIGN POWER ROUGH-INS (10) IN BASE BID; SIGN PROVIDED AND FINAL CONNECTIONS TO ALL DRIVERS PROVIDED UNDER ALTERNATE G-5.
18. MOUNT TO BOTTOM OF JOISTS BASED ON JOIST LAYOUT OF P.E.M.B. MANUFACTURER. COORDINATE LOCATIONS WITH HVAC DUCTWORK AND FRAMING.



FIRST FLOOR PLAN - LIGHTING - ALT G-1
SCALE: 1/8" = 1'-0"



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



MEZZANINE PLAN - LIGHTING
SCALE: 1/8" = 1'-0"

0 4 8 16 24 32 40
SCALE: 1/8"=1'-0"

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FIRST FLOOR AND MEZZANINE FLOOR PLANS - LIGHTING

E1.1

GENERAL NOTES - PRE-ENGINEERED METAL BUILDING CONDUIT ROUTING

A. E.C. TO REVIEW ARCHITECTURAL DRAWING PLANS, ELEVATIONS AND SECTIONS FOR P.E.M.B. WALL CONSTRUCTION; LOCATIONS OF ALL CMU WAINSCOAT WALLS AT P.E.M.B. PERIMETER, ETC.

B. ALL WALL OUTLET BOXES IN ALL P.E.M.B. EXTERIOR WALLS SHALL BE RECESSED IN WALLS (CUT INTO METAL WALL FINISH PANEL OR RECESSED IN CONCRETE WAINSCOAT LOWER WALLS) AS APPLICABLE.

C. ALL CONDUITS SERVING OUTLET BOXES IN ALL P.E.M.B. WALLS SHALL BE CONCEALED IN WALLS. THE WALL CONSTRUCTION UTILITIES HORIZONTAL BYPASS GIRTS MOUNTED TO THE FACE OF COLUMNS. HORIZONTAL CONDUITS IN P.E.M.B. WALLS MAY RUN CONTINUOUS INSIDE WALL CAVITY. VERTICAL CONDUITS IN P.E.M.B. WALLS SHALL RUN CONCEALED HOWEVER E.C. TO DRILL GIRTS AS REQUIRED FOR VERTICAL CONDUIT INSTALLATION AND PASSAGE.

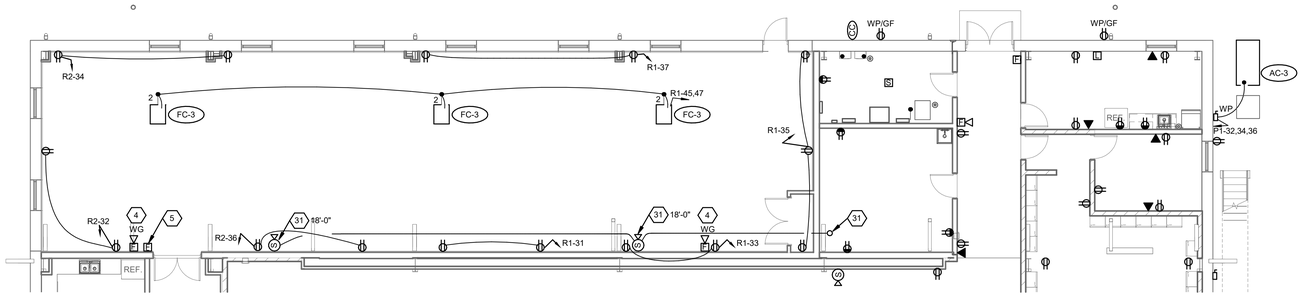
D. E.C. TO COORDINATE BASIC BOX AND CONDUIT INSTALLATION REQUIREMENTS AND LOCATIONS WITH P.E.M.B. MANUFACTURER PRIOR TO START OF WORK.

CONSTRUCTION NOTES CONT'D

42. MAKE 120V CONNECTION TO ELECTRONIC TRAP PRIMER. COORDINATE WITH P.C. PRIOR TO ROUGH-IN.
43. 2-1" SCH. 80 PVC CONDUITS TO EXISTING METER PIT (1 FOR FIRE ALARM WIRING TO SUPERVISED VALVES; 1 SPARE) CONDUITS TO RISE UP IN WALL AND STUB OUT AT DECK. REFER TO SITE PLAN.
44. TWO FIRE ALARM SYSTEM SUPERVISORY RELAYS. CONNECT TO TWO VALVE SUPERVISORY SWITCHES IN METER PIT.
45. NEMA L6-30R 250V-30A RECEPTACLE 46" AFF - LOCATE AT RELOCATED IRRIGATION PUMP BRACKET. (2-#10, 1-#10 GRD.; 0.75"C.).
46. RECEPTACLE FOR IRRIGATION PUMP CONTROLS - LOCATE NEAR RELOCATED IRRIGATION EQUIPMENT.

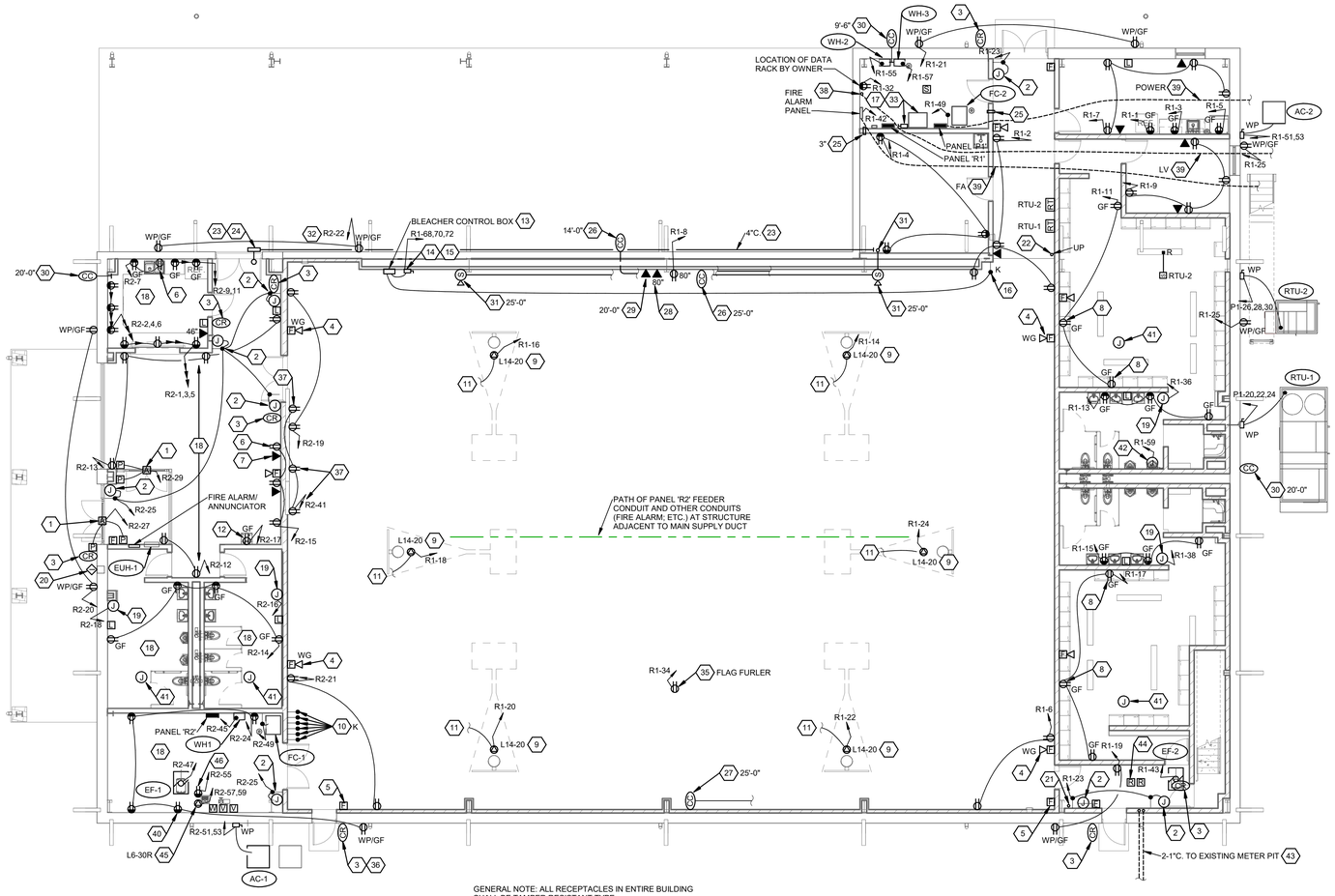
CONSTRUCTION NOTES

1. MAKE 120V CONNECTION TO DOOR AUTOMATIC OPERATOR; INSTALL REMOTE ACTUATORS FURNISHED WITH DOOR OPERATOR PER ARCHITECTURAL DRAWINGS AND WIRE TO OPERATOR PER MANUFACTURER INSTALLATION DRAWINGS.
2. INSTALL DOOR LATCH POWER SUPPLY (FURNISHED BY DOOR HARDWARE SUPPLIER) IN ACCESSIBLE LOCATION ABOVE LAY-IN CEILING NEAR DOOR AND PROVIDE SWITCH ADJACENT TO POWER SUPPLY ABOVE CEILING. WIRE 120V CIRCUIT THROUGH SWITCH TO SERVE POWER SUPPLY. LOW VOLTAGE WIRING TO LATCH BY OWNER'S ACCESS CONTROL SYSTEM VENDOR.
3. ACCESS CONTROL PROX.READER BY OWNER'S ACCESS CONTROL SYSTEM VENDOR. E.C. TO PROVIDE ALL BOXES AND CONDUIT ROUGH-INS PER DETAILS ON SHEET E0.3 AT DOOR. COORDINATE ROUGH-IN'S WITH DOOR HARDWARE SUPPLIERS EQUIPMENT SUBMITTALS AND INSTALLATION INSTRUCTIONS.
4. PROVIDE WIRE GUARD ON GYM FIRE ALARM AV DEVICE.
5. PROVIDE S.T.I. 'STOPPER UNIVERSAL STOPPER' FIRE ALARM COVER ON GYM PULL STATION.
6. RECESSED OUTLET FOR WALL MOUNT MONITOR - LOCATE 84" AFF UNLESS OTHERWISE NOTED; COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWING ELEVATIONS.
7. DATA OUTLET FOR WALL MOUNT MONITOR - LOCATE 84" AFF UNLESS OTHERWISE NOTED; COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWING ELEVATIONS.
8. RECEPTACLE FOR GAME CLOCK MONITOR ABOVE LOCKERS. LOCATE 96" AFF; COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWING ELEVATIONS. (RECEPTACLE IN BASE BID - GAME CLOCK BY G.C. UNDER ALTERNATE G-4).
9. PROVIDE 120V CIRCUIT FOR MOTORIZED BACKBOARD. EXTEND UNSWITCHED CIRCUIT TO (1) 'UP-DOWN-OFF' MOMENTARY KEY SWITCH AND EXTEND OUTPUT WIRING FROM KEY SWITCH TO L14-20R TWISTLOCK RECEPTACLE WIRED PER MANUFACTURER INSTALLATION INSTRUCTIONS. LOCATE L14-20R RECEPTACLE AT STRUCTURE NEAR HOIST MOTOR AS COORDINATED WITH BACKBOARD INSTALLATION.
10. PROVIDE DEEP RECESSED OUTLET BOXES 46" AFF FOR (6) MOTORIZED BACKBOARD KEY SWITCHES; INSTALL AND WIRE KEY SWITCHES (FURNISHED BY BACBOARD SUPPLIER) TO 120V SUPPLY CIRCUIT AND TWISTLOCK RECEPTACLE AT BACKBOARD PER MANUFACTURER;S INSTALLATION AND WIRING INSTRUCTIONS.
11. EXTEND 120V CIRCUIT 'HOT' AND 'GROUND' TO KEY SWITCH FROM SUPPLY CIRCUIT AT BACKBOARD; AND WIRE KEY SWITCH (BLACK) 'UP' AND (RED) 'DOWN' OUTPUTS TO L14-20R RECEPTACLE AT BACKBOARD. (3-#12; 1-#12 GRD.; 0.75"C.) TO EACH KEY SWITCH.
12. RECEPTACLE FOR WATER COOLER - COORDINATE ROUGH-INS AND FINAL CONNECTION WITH PLUMBING CONTRACTOR.
13. BLEACHER CONTROL BOX BY BLEACHER SUPPLIER; INSTALLED BY E.C. VERIFY EXACT LOCATION AND HEIGHT WITH BLEACHER INSTALLATION DRAWINGS PRIOR TO INSTALLATION.
14. 30A/3P + S.N. LOCKABLE DISCONNECT SWITCH BY E.C. - LOCATE ADJACENT TO CONTROL BOX AND WIRE TO CONTROL BOX (4-#12; 1-#12 GRD.; 0.75"C.). PROVIDE ROUGH-IN ONLY IN BASE BID; FINAL CONNECTIONS TO BLEACHER EQUIPMENT IN BLEACHER ALTERNATE G-2.
15. SUPPLY CIRCUIT 208Y/120V-3P-4W (4-#12; 1-#12 GRD.; 0.75"C.).
16. DEEP 2 GANG BOX 46" AFF WITH 0.75"C. TO BLEACHER CONTROL BOX - E.C. TO PULL IN (MAX. 100' LONG) 6/C + GRD. CABLE FURNISHED WITH BLEACHERS AND INSTALL KEY SWITCH PER BLEACHER MANUFACTURER INSTALLATION INSTRUCTIONS. PROVIDE ROUGH-IN ONLY IN BASE BID; FINAL CONNECTIONS TO BLEACHER EQUIPMENT IN BLEACHER ALTERNATE G-2.
17. STEPDOWN TRANSFORMER AND PANEL 'R2' DISCONNECT SWITCH - REFER TO DISTRIBUTION DIAGRAM.
18. BRANCH CIRCUIT CONDUITS IN HIGH STRUCTURE AREA SHALL BE RUN AT AN ELEVATION APPROX. 2'-3" ABOVE ELEVATION OF LAY-IN CEILING. CONDUITS SHALL NOT BE INSTALLED AT ELEVATION OF HIGH STRUCTURE.
19. E.C. TO INSTALL AND MAKE 120V CONNECTION TO OWNER FURNISHED HAND DRYER.
20. INSTALL DEEP 1 GANG BOX 46" AFF WITH 1"C. STUBBED OUT ABOVE LAY-IN CEILING FOR OWNER FURNISHED DOOR ENTRY CAMERA/CALL STATION INTERCOM UNIT.
21. 1.25"C. FROM ABOVE CEILING ON FIRST FLOOR. STUB OUT AT MEZZANINE 10' ABOVE MEZZANINE FLOOR LEVEL WITH BUSHINGS ON EACH END; FOR OWNER LV WIRING.
22. 2"C. FROM ABOVE CEILING ON FIRST FLOOR. STUB OUT AT MEZZANINE 10' ABOVE MEZZANINE FLOOR LEVEL WITH BUSHINGS ON EACH END; FOR OWNER LV WIRING.
23. 4" CONDUIT RUN ON WALL TIGHT TO STRUCTURE FRAMING APPROX. 20' AFF WITH BUSHINGS ON EACH END; FOR OWNER LV WIRING.
24. 18"x18"x6" NEMA 3R JUNCTION BOX AT END OF 4"C. - STUB 4"C. FROM BACK OF BOX THROUGH WALL INTO SPACE ABOVE CORRIDOR LAY-IN CEILING AND TERMINATE APPROX. 12' AFF.
25. 3"C. SLEEVE THROUGH WALL APPROX. 12' AFF WITH BUSHINGS ON EACH END; FOR OWNER LV WIRING.
26. CAMERA OUTLET BOX IN WALL AT HEIGHT NOTED - EXTEND 0.75"C. TO NORTH IN WALL AND DROP IN WALL TO TERMINATE INTO STORAGE ROOM 111; FOR OWNER CAMERA WIRING. LABEL BOX LOCATION ON END OF STUBBED OUT CONDUIT.
27. CAMERA OUTLET BOX IN WALL AT HEIGHT NOTED - EXTEND 0.75"C. TO NORTH IN WALL AND RUN TO NORTH TO ABOVE MEZZANINE AND TERMINATE NEAR LV CONDUIT DOWN TO FIRST FLOOR; FOR OWNER CAMERA WIRING. LABEL BOX LOCATION ON END OF STUBBED OUT CONDUIT.
28. DATA OUTLET BOX IN WALL - EXTEND CONDUIT HORIZONTAL IN WALL AND STUB OUT IN STORAGE ROOM 111 APPROX. 12' AFF. LABEL BOX LOCATION ON END OF STUBBED OUT CONDUIT.
29. DATA OUTLET HIGH ON WALL FOR FUTURE 'HUDDLE' CAMERA - EXTEND CONDUIT TO NORTH HORIZONTAL IN WALL AND STUB OUT IN STORAGE ROOM 111 APPROX. 12' AFF. LABEL BOX LOCATION ON END OF STUBBED OUT CONDUIT.
30. EXTERIOR CAMERA OUTLET BOX RECESSED IN WALL AT HEIGHT NOTED - STUB 0.75"C. THROUGH WALL AND TERMINATE WITH BUSHING.
31. FUTURE SPEAKER BY OWNER - PROVIDE 2 GANG BOX IN WALL AT HEIGHT INDICATED. EXTEND 0.75"C. HORIZONTAL IN WALL BETWEEN BOXES AND TO NORTH TO STUB OUT IN STORAGE ROOM 111 APPROX. 12' AFF. LABEL BOX LOCATION ON END OF STUBBED OUT CONDUIT.
32. DELETE UNDER ALTERNATE G-1.
33. PROVIDE 4" HIGH CONCRETE PAD AT TRANSFORMER.
34. CAMERA LOCATION SHOWN FOR REFERENCE ONLY; NO WORK BY E.C.
35. MOUNT TO SIDE OF ROOF JOIST FOR FUTURE FLAG FURLER.
36. STUB ALL ACCESS CONTROL DEVICE CONDUITS AT THIS DOOR INTO STORAGE ROOM 106 APPROX. 10' AFF.
37. RECEPTACLES FOR SCOREBOARD AND PLAYER STAT BOARDS (3 TOTAL) - MOUNT 21'-4" AFF CENTERED ABOVE EACH SECTION - LOCATE PER ARCHITECTURAL DRAWING ELEVATION. (PROVIDE RECEPTACLES IN BASE BID; SCOREBOARD BY G.C. UNDER ALTERNATE G-3).
38. STUB LV CONDUIT UP 12" AFF AND CAP.
39. UNDERGROUND DIRECT BURIED SCHEDULE 80 PVC CONDUIT - REFER TO SITE PLAN FOR SIZE AND ROUTING.
40. RECEPTACLE FOR BACKFLOW PREVENTER ALARM - COORDINATE LOCATION WITH P.C. PRIOR TO ROUGH-IN.
41. EXHAUST FAN CONTROL RELAY WIRED TO OUTPUT OF ROOM OCCUPANCY SENSOR. REFER TO 'EXHAUST FAN CONTROL' DETAIL ON SHEET E0.3.



FIRST FLOOR PLAN - POWER & SYSTEMS - ALT G-1

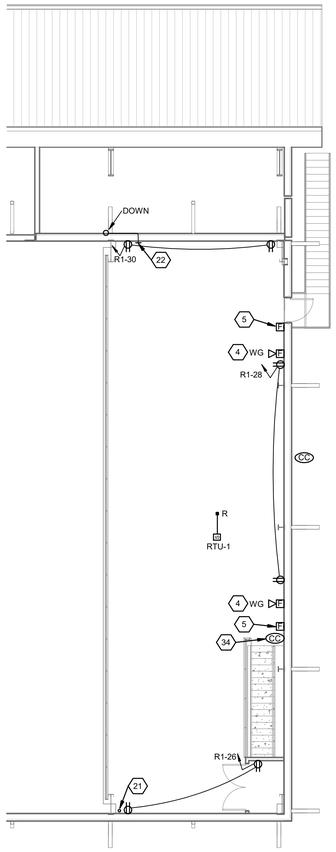
SCALE: 1/8" = 1'-0"



GENERAL NOTE: ALL RECEPTACLES IN ENTIRE BUILDING SHALL BE TAMPER RESISTANT TYPE.

FIRST FLOOR PLAN - POWER & SYSTEMS

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



MEZZANINE FLOOR PLAN - POWER & SYSTEMS

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

0 4 8 16 24 32 40

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

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STATE OF OHIO
JEFFREY D. ZELINSKI
63822
REGISTERED ARCHITECTURAL ENGINEER

JEFFERY D. ZELINSKI, LICENSE #63822
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FIRST FLOOR AND MEZZANINE FLOOR PLANS - POWER & SYSTEMS

E1.2