PROJECT:

NEW FIELD HOUSE / LOCKER ROOMS
GLEDHILL ATHLETIC FIELD
425 East Avenue
Burrillville, Rhode Island



OWNER

TOWN OF BURRILLVILLE
CONTACT: JEFF McCORMICK

jmccormick@burrillville>org

CIVIL ENGINEER

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PO BOX 860
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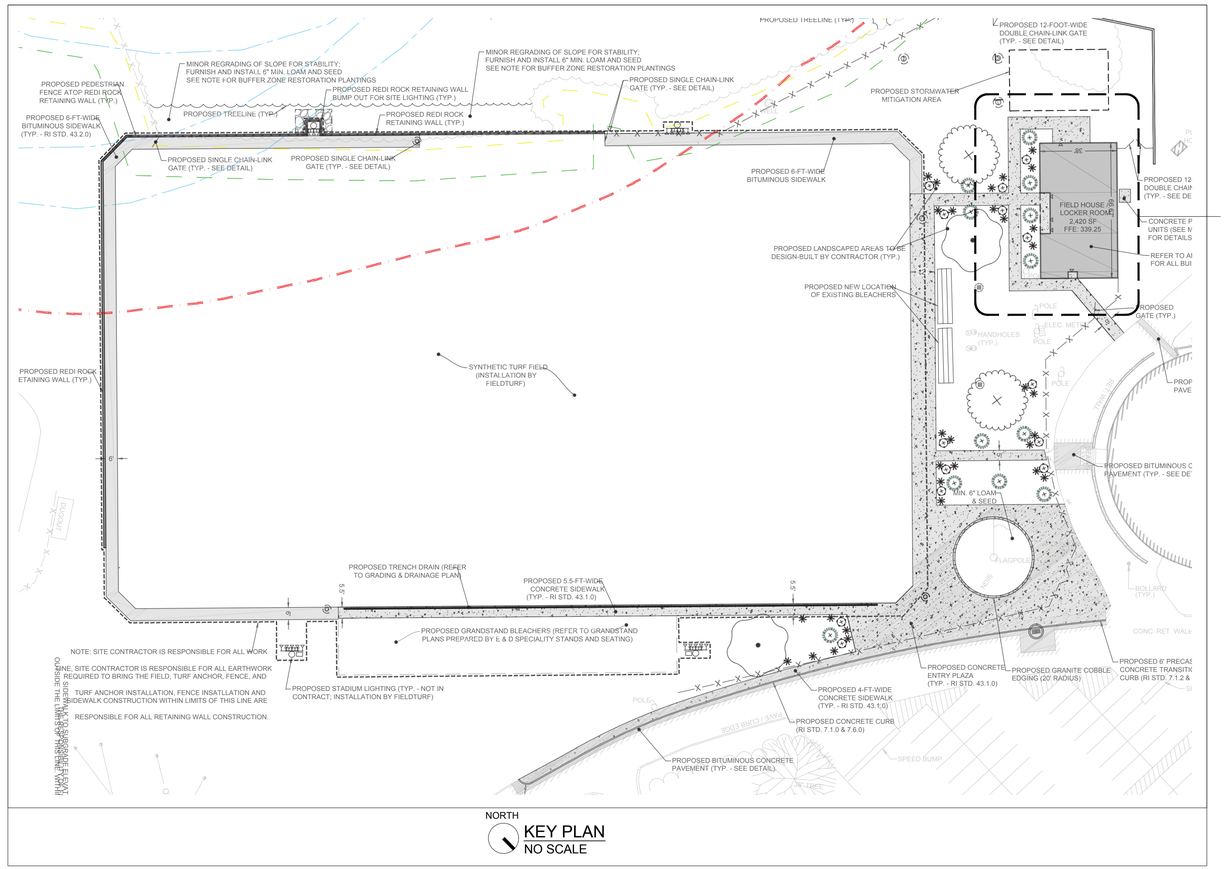
gmarkey@edesignservices.com

STRUCTURAL ENGINEER

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50 FREEWAY DRIVE
CRANSTON, RI 02920
CONTACT: TOM GRAFE, PE
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tom@capretzer.com

ALTERNATES
1. ALTERNATE DEDUCT - DELETE METAL ROOFING AND INSTALL FIBERGLASS REINFORCED ASPHALT ROOFING SHINGLES.
   1.1. CERTAINTEED LANDMARK SOLARIS



PROJECT

LIST OF DRAWINGS

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STRUCTURAL:
S0-1 STRUCTURAL NOTES
S0-2 SPECIAL INSPECTIONS
S1.1 FOUNDATION & ROOF FRAMING PLANS
S2.1 FOUNDATION SPECS & DETAILS
S3.1 FRAMING SECTIONS

ARCHITECTURAL:
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A2-1 EXTERIOR ELEVATIONS
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A3-1 BUILDING SECTIONS
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A4-1 DETAILS
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PLUMBING
P0-1 PLUMBING LEGENDS, NOTES, & SCHEDULES
P1-2 SANITARY / WASTE PLAN
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ELECTRICAL
E1-1 POWER FLOOR PLAN

SYMBOLS LEGEND

- 1 — WALL TYPE - SEE WALL TYPE LEGEND
- DETAIL: DETAIL IDENTIFICATION; X — CUT ON ONE SHEET; XX — SHOWN ON ANOTHER
- WALL/BLDG SECTION: SECTION IDENTIFICATION; SHEET WHERE SECTION IS DRAWN
- A.F.F. — CEILING HEIGHT IDENTIFICATION ABOVE FINISHED FLOOR
- # — SPECIFIC KEY NOTE
- # — DOOR TAG
- # — WINDOW TAG
- #-# — FINISH / MATERIAL DESIGNATION

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PAUL A. CASTELLONE No. 12109 REGISTERED ARCHITECT STATE OF RHODE ISLAND

NEW FIELD HOUSE

GLEDHILL ATHLETIC FIELD
BURRILLVILLE HIGH SCHOOL
425 EAST AVENUE
BURRILLVILLE, RHODE ISLAND

DRAWN BY: PAC
DATE: MAR 4, 2024
REVISIONS:
7/30/24: S- & A- PERMIT ISSUE
2/10/26 - CORE AND SHELL PRELIM
4/10/26 - CORE & SHELL BID ISSUE
11/6/26 - UPDATED C&s BID

OWNERSHIP OF INSTRUMENTS OF SERVICE
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DRAWING NAME:

T-1

BUFFER ZONE RESTORATION NOTE:

1. AREA SHALL BE LOAMED AND SEEDED IN ACCORDANCE WITH NOTES AND SPECIFICATIONS ON SHT. 2.
2. ALL SHRUBS SHALL BE 2- TO 3-FT HIGH AFTER PLANTING.
3. SPACING SHALL BE 5-FT ON CENTER.
4. PLANTINGS SHALL BE RANDOMLY DISTRIBUTED WITHIN RESTORATION AREA.

COMMON NAME	SCIENTIFIC NAME	QUANTITY
ARROWWOOD VIBURNUM	VIBURNUM DENTATUM	30
SWEET PEPPERBUSH	CLETHRA ALNIFOLIA	30
WITCH HAZEL	HAMAMELIS VIRGINIANA	30

CLEAR RIVER
TOP OF BANK / EDGE OF WATER
EDGE OF EXISTING STREAM (GREATER THAN 10-FT IN AVERAGE WIDTH) FIELD DELINEATED BY NATURAL RESOURCE SERVICES, INC. IN NOVEMBER 2022
AREA SUBJECT TO STORM FLOWAGE (ASSF) FIELD DELINEATED BY NATURAL RESOURCE SERVICES, INC. IN NOVEMBER 2022
FLOOD ZONE AE FLOODWAY (EL. 318)
FLOOD ZONE AE (EL. 318)
FLOOD ZONE X (0.2% ANNUAL CHANCE FLOOD)
FLOOD ZONE X
FLOOD ZONE DEMARCATION (TYP.)
200' WETLANDS BUFFER ZONE / RIDEM FRESHWATER WETLANDS JURISDICTIONAL ZONE
20' PRIMARY STRUCTURE SETBACK FROM WETLAND BUFFER ZONE
5' SECONDARY STRUCTURE SETBACK FROM WETLAND BUFFER ZONE
FORMER RAILROAD BED
SOFTBALL FIELD LAWN
INFIELD
PROPOSED TREELINE (TYP.)
PROPOSED PEDESTRIAN FENCE ATOP REDI ROCK RETAINING WALL (TYP.)
PROPOSED 6-FT-WIDE CONCRETE SIDEWALK (TYP. - RI STD. 43.1.0)
MINOR REGRADING OF SLOPE FOR STABILITY; FURNISH AND INSTALL 6" MIN. LOAM AND SEED SEE NOTE FOR BUFFER ZONE RESTORATION PLANTINGS
PROPOSED REDI ROCK RETAINING WALL BUMP OUT FOR SITE LIGHTING (TYP.)
PROPOSED REDI ROCK RETAINING WALL (TYP.)
PROPOSED SINGLE CHAIN-LINK GATE (TYP. - SEE DETAIL)
CONCRETE TEAM SEATING AREA (DESIGN BY FIELDTURF)
PROPOSED REDI ROCK RETAINING WALL (TYP.)
PROPOSED 20-FOOT HIGH FOOTBALL GOAL POST WITH FOUNDATION (REFER TO FIELDTURF PLANS FOR DETAILS)
SYNTHETIC TURF FIELD (INSTALLATION BY FIELDTURF)
PROPOSED 20-FOOT HIGH FOOTBALL GOAL POST WITH FOUNDATION (REFER TO FIELDTURF PLANS FOR DETAILS)
PROPOSED CHAIN LINK FENCE (REFER TO FIELDTURF PLANS FOR DETAILS AND ALL WORK WITHIN FENCE)
PROPOSED 8" WIDE (EXPOSED) CONCRETE TURF ANCHOR CURB (BY FIELDTURF)
METAL RAMP FROM GRANDSTANDS (BY OTHERS)
PROPOSED RETAINING WALL (TYP.)
PROPOSED 12' WIDE DOUBLE SWING GATE (REFER TO FIELDTURF PLANS FOR DETAILS AND ALL WORK WITHIN FENCE)
PROPOSED STADIUM LIGHTING (TYP. - NOT IN CONTRACT; INSTALLATION BY FIELDTURF)
PROPOSED 5.5-FT-WIDE CONCRETE SIDEWALK (TYP. - RI STD. 43.1.0)
PROPOSED GRANDSTAND BLEACHERS (REFER TO GRANDSTAND PLANS PREPARED BY E & D SPECIALTY STANDS AND SEATING)
PROPOSED RETAINING WALL (INSTALLATION BY OWNER PRIOR TO CONSTRUCTION)
PROPOSED 6' HIGH BLACK VINYL CHAIN-LINK FENCE WITH PRIVACY SLATS TO ENCLOSE PROPOSED COMPRESSOR, PROPANE TANKS, AND ROOF ACCESS STAIRS (TYP.)
PROPOSED WHEELCHAIR RAMP AND DETECTABLE WARNING PANEL (TYP. - RI STD. 43.3.0 & 48.1.0)
PROPOSED HANDICAP PAVEMENT MARKINGS (TYP. - SEE DETAILS)
4" WHITE EPOXY PAVEMENT MARKING
PROPOSED CONCRETE CURB (RI STD. 7.1.0 & 7.6.0)
PRESS BOX FFE: 350.6
CONCESSION STAND 36'
OVERHANG
RESTROOMS (600 SF) FFE: 350.60
18' TYP.
9' TYP.
EXISTING GUY WIRE AND ANCHOR TO BE RELOCATED
PROPOSED BITUMINOUS CONCRETE PAVEMENT (TYP. - SEE DETAIL)
PROPOSED 12-FT-WIDE DOUBLE SWING GATE (24-FT TOTAL WIDTH) (RI STD. 31.2.0)
PROPOSED 5-FT-HIGH CHAIN LINK FENCE (RI STD. 31.2.0)
PROPOSED 6-FT-WIDE SWING GATE (RI STD. 31.2.0)
BENCHMARK: MAGNAIL IN UP #466-14 ELEV.: 353.39 (NAVD88)
PROPOSED TREELINE (TYP.)
PROPOSED 12-FOOT-WIDE DOUBLE CHAIN-LINK GATE (TYP. - SEE DETAIL)
PROPOSED 10'x12' TEMPORARY SHED FOR ELECTRICAL SERVICE
PROPOSED STORMWATER MITIGATION AREA
PROPOSED BITUMINOUS CONCRETE PAVEMENT (TYP. - SEE DETAIL)
PROPOSED 6-FT-WIDE BITUMINOUS SIDEWALK
PROPOSED 12-FT-WIDE DOUBLE SWING GATE
PROPOSED BOLLARD (TYP. - SEE DETAIL)
PROPOSED LANDSCAPED AREAS (TYP. - SEE LANDSCAPE PLAN)
PROPOSED SCOREBOARD (BY OTHERS)
FIELD HOUSE / LOCKER ROOM 2,420 SF FFE: 339.54
CONCRETE PADS FOR COMPRESSOR UNITS (SEE MECHANICAL PLANS FOR DETAILS)
REFER TO ARCHITECTURAL PLANS FOR ALL BUILDING DETAILS
PROPOSED GATE (TYP.)
PROPOSED 14-FT-WIDE DOUBLE SWING GATE
20' TYP. FOR FIRE DEPT. ACCESS
PROPOSED BITUMINOUS CONCRETE PAVEMENT (TYP. - SEE DETAIL)
MIN. 6" LOAM & SEED
PROPOSED 6-FT-WIDE GATE
PROPOSED PAVER PATIO AREA
PROPOSED BITUMINOUS CONCRETE PAVEMENT (TYP. - SEE DETAIL)
PROPOSED 3' PRECAST CONCRETE TRANSITION CURB (RI STD. 7.1.1 & 7.6.0
PROPOSED 6-FT-WIDE GATE
PROPOSED WHEELCHAIR RAMP AND DETECTABLE WARNING PANEL (RI STD. 43.3.0 & 48.1.0)
PROPOSED RELOCATED FLAG POLE WITH LIGHTING, AND "GLEDHILL FIELD" SIGN (DESIGN/BUILD BY SITE CONTRACTOR)
WHITE EPOXY RESIN "FIRE LANE - NO PARKING" PAVEMENT MARKINGS, MIN. 6" TEXT HEIGHT (TYP.)
PROPOSED "FIRE LANE, NO PARKING" SIGN, MINIMUM 12"x18" TO BE MOUNTED ON PROPOSED FENCE, MINIMUM OF 48" ABOVE FINISH GRADE (TYP. - SPACED 100-FT ALONG FENCE)
PROPOSED "FIRE LANE, NO PARKING" SIGN, MINIMUM 12"x18" TO BE MOUNTED ON RIDOT STD. SIGN POST (RI STD. 24.6.0) (TYP.)
PROPOSED 4-FT-WIDE CONCRETE SIDEWALK (TYP. - RI STD. 43.1.0)
PROPOSED BITUMINOUS CONCRETE PAVEMENT (TYP. - SEE DETAIL)
PROPOSED CONCRETE CURB (RI STD. 7.1.0 & 7.6.0)
PROPOSED SINGLE CHAIN-LINK GATE (TYP. - SEE DETAIL)
PROPOSED SINGLE CHAIN-LINK GATE (TYP. - SEE DETAIL)
25' CONSTRUCTION SETBACK FROM CEMETERY
30' FRONT YARD SETBACK
WHIPPLE AVENUE (PUBLIC - VARIABLE WIDTH)
CEMETERY
STONE WALL
CHAIN-LINK FENCE
PAVEMENT EDGE
WOOD CLIMBING TOWER
GUY (TYP.)
BLEACHERS
DUGOUT
PROPANE TANKS
CONC. PAD
PUMP HOUSE
HANDHOLES (TYP.)
ELEC. METER
POLE
OHW
SHED
BIT. PAVED
STORAGE BUILDING (BELOW)
CONC.
LANDING
RAMP
BIT. PAVED PARKING AREA
CONC. BLOCK RETAINING WALL
FLAGPOLE
TREE LINE
BIT. BERM
RET. WALL
CLEANOUT
PEED BUMP
BURRILLVILLE HIGH SCHOOL
R20'
R100'
125'
225'
360'
AP 144, LOT 23
N/F TOWN OF BURRILLVILLE
BURRILLVILLE HIGH SCHOOL
AREA = 57.2± ACRES

SCALE (FEET)
0 15 30 60 120
1 INCH = 30 FT

LOCATION OF EXISTING UTILITIES SHOWN, ARE FROM GATE LOCATION AND EXISTING DOCUMENTATION AND MAY NOT BE ACCURATE. EXACT LOCATION TO BE DONE BY THE APPROPRIATE UTILITY COMPANY OR MUNICIPALITY PRIOR TO ANY EXCAVATION CALL DIGSAFE AT 1-888-DIG-SAFE
1-888-344-7233

Q:\05-92 Town of Burrillville\05-92cf High School Field\CAD\BHS Field Plaza (IFC) R3.dwg Nov 05, 2026 11:48am

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BURRILLVILLE HIGH SCHOOL ATHLETICS FIELD

425 EAST AVENUE
BURRILLVILLE, RHODE ISLAND
AP 144, LOT 23
FORMERLY AP 144, LOTS 22, 23, 26 & 31, AP 161, LOT 5

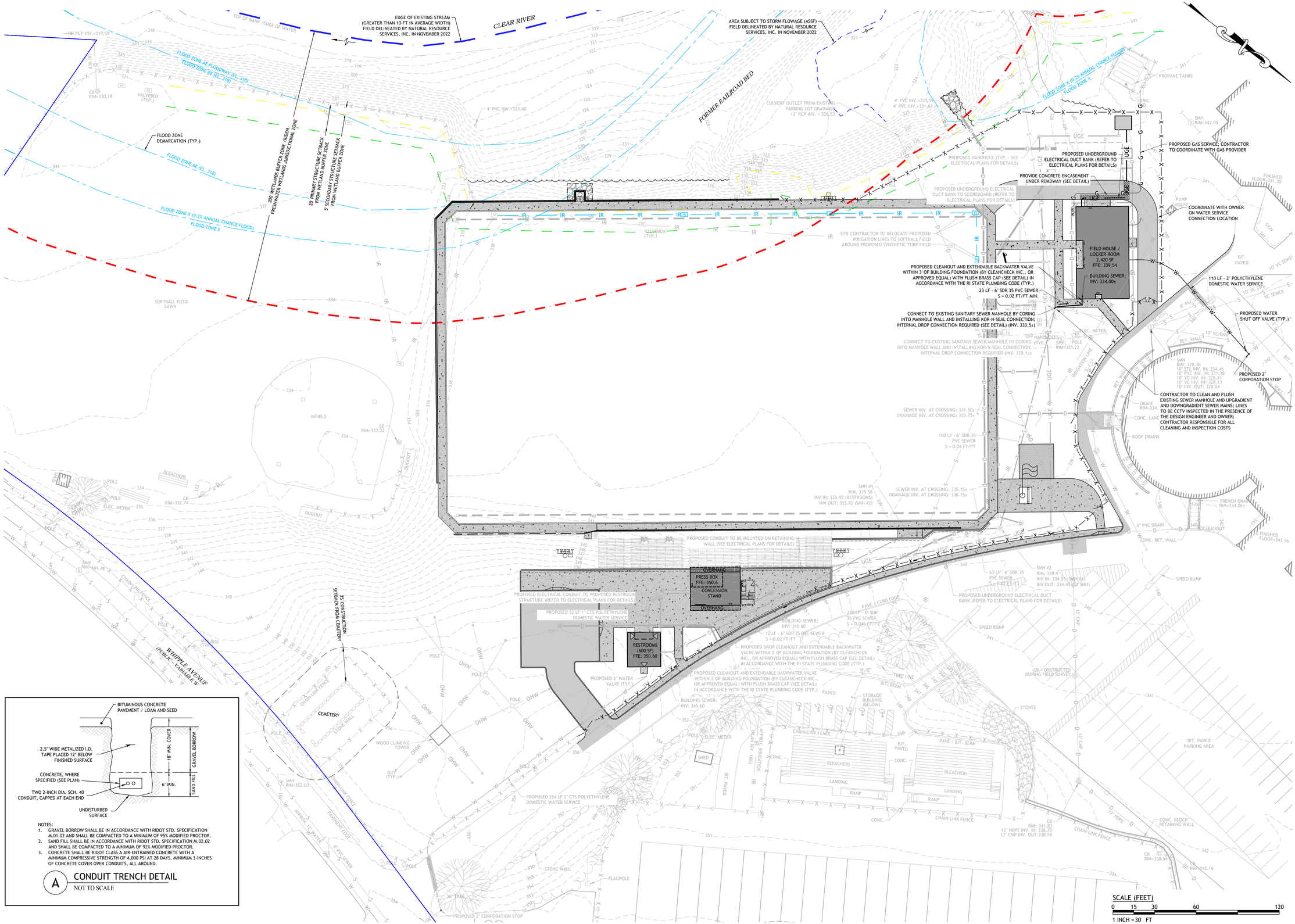
REVISIONS:		
NO.	DATE.	DESCRIPTION
1	1/27/26	ENTRY REVS
2	6/30/26	RR/CONCESSIONS
3	11/5/26	FIELD HOUSE

DESIGNED BY:	DRD
DRAWN BY:	SD/SEP
CHECKED BY:	JAC
DATE:	NOV. 2025
PROJECT NO:	05-92cf

ISSUED FOR CONSTRUCTION

SITE PLAN

SHEET C2.0



NOTES:
1. GRAVEL BORROW SHALL BE IN ACCORDANCE WITH RIDOT STD. SPECIFICATION M.01.02 AND SHALL BE COMPACTED TO A MINIMUM OF 95% MODIFIED PROCTOR.
2. SAND FILL SHALL BE IN ACCORDANCE WITH RIDOT STD. SPECIFICATION M.02.02 AND SHALL BE COMPACTED TO A MINIMUM OF 92% MODIFIED PROCTOR.
3. CONCRETE SHALL BE RIDOT CLASS A AIR-ENTRAINED CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS. MINIMUM 3-INCHES OF CONCRETE COVER OVER CONDUITS, ALL AROUND.

A CONDUIT TRENCH DETAIL
NOT TO SCALE

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BURRILLVILLE HIGH SCHOOL ATHLETICS FIELD

425 EAST AVENUE
BURRILLVILLE, RHODE ISLAND
AP 144, LOT 23

FORMERLY AP 144, LOTS 22, 23, 26 & 31, AP 161, LOT 5

BURRILLVILLE R.I.

REVISIONS:		
NO.	DATE.	DESCRIPTION
1	1/27/26	ENTRY REVS
2	6/30/26	RR/CONCESSIONS
3	11/5/26	FIELD HOUSE

DESIGNED BY:	DRD
DRAWN BY:	SD/SEP
CHECKED BY:	JAC
DATE:	NOV. 2025
PROJECT NO:	05-92cf

ISSUED FOR CONSTRUCTION

UTILITY PLAN

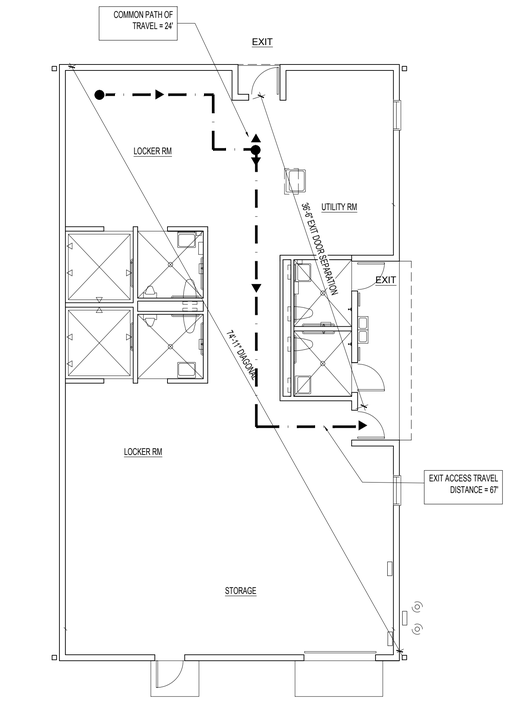
SHEET C4.0

Q:\05-92 Town of Burrillville\05-92cf High School Field\dwg\CAD\BHS Field Plans [EC] R3.dwg Nov. 05, 2026, 11:48am

GENERAL NOTES

1. CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING THEIR BID TO FAMILIARIZE THEMSELVES WITH CONDITIONS AT THE SITE.
2. DISCREPANCIES BETWEEN PORTION OF THE DOCUMENTS ARE NOT INTENDED. THE CONTRACTOR SHALL CLARIFY AND RESOLVE ANY SUCH DISCREPANCIES WITH THE ARCHITECT PRIOR TO COMMENCING THE WORK IN QUESTIONS.
3. DO NOT SCALE DRAWINGS TO DETERMINE LOCATIONS OF EQUIPMENT AND LAYOUT OF THE WORK.
4. UNLESS NOTED OTHERWISE, ALL ARCHITECTURAL DIMENSIONS ARE FROM FACE OF EXISTING WALL OR CONCRETE MASONRY UNITS TO FINISHED FACE OF STUD WALL.
5. UNLESS OTHERWISE AGREED TO IN WRITING WITH THE OWNER, THE CONTRACTOR SHALL SECURE ALL PERMITS (BUILDING, MECHANICAL, ELECTRICAL, PLUMBING), AND CERTIFICATE OF OCCUPANCY, AND FEES FOR SAME.
6. UNLESS OTHERWISE AGREED TO WITH THE OWNER, THE CONTRACTOR SHALL PAY FOR AND ARRANGE ANY REQUIRED TEMPORARY SERVICES.
7. THE CONTRACTOR SHALL MAINTAIN CLEAN AND ORDERLY WORK AREAS AND SHALL NOTE ALLOW TRASH AND DEBRIS TO ACCUMULATE. UPON COMPLETION OF THE WORK, ALL SURFACES IN THE WORK AREAS, INCLUDING SURFACES WITH EXISTING FINISHES TO REMAIN, SHALL BE DUSTED, VACUUMED, WASHED, OR OTHERWISE CLEANED TO BE FREE OF CONTAMINANTS.
8. THE CONTRACTOR SHALL MAINTAIN ONE COMPLETE SET OF APPROVED CONTRACT DOCUMENTS, INCLUDING ALL REVISIONS, ADDENDA, AND CHANGE ORDERS, ON THE PREMISES AT ALL TIMES. THESE DOCUMENTS SHALL NOT BE USED BY WORKMEN.
9. CONTRACTOR SHALL COMPLY WITH ALL PUBLISHED FEDERAL, STATE, AND LOCAL REQUIREMENTS FOR SAFETY AND ACCIDENT PREVENTION.
10. CONTRACTOR SHALL MAINTAIN AT LEAST TWO TYPE 2A-10 BC FIRE EXTINGUISHERS ON SITE AT ALL TIMES DURING CONSTRUCTION.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR 24-HOUR SECUREMENT OF THE WORK PREMISES WHILE THE JOB IS IN PROGRESS UNTIL TURNOVER OF THE PROJECT TO THE OWNER.
12. THE CONTRACTOR SHALL MAINTAIN MEANS OF EGRESS DURING CONSTRUCTION, AS REQUIRED BY NFPA 101 LIFE SAFETY CODE, CURRENT EDITION.
13. WORK BY OTHERS; THE OWNER RESERVES THE RIGHT TO PERFORM ADDITIONAL WORK THAT IS NOT PART OF THE CONTRACT WITH HIS OWN FORCES/VENDORS. THE CONTRACTOR SHALL COOPERATE WITH THE OWNER AND HIS CONTRACTORS/VENDORS, AND COORDINATE HIS WORK WITH THE OWNER SO THAT WORK BY OTHERS CAN BE INCORPORATED IN A TIMELY MANNER.
14. ALL MATERIALS/PRODUCTS/EQUIPMENT SHALL BE FURNISHED, STORED, AND INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS' PUBLISHED INSTRUCTIONS. WHEN NOT IN CONFLICT WITH MANUFACTURERS' INSTRUCTIONS, MATERIALS AND METHODS SHALL ALSO BE INSTALLED IN ACCORDANCE WITH THE CURRENT EDITION OF THE APPROPRIATE NATIONAL TRADE HANDBOOK (AWI QUALITY STANDARDS, USG GYPSUM CONSTRUCTION HANDBOOK, TCA HANDBOOK FOR CERAMIC TILE INSTALLATION, ETC.)
15. SUBSTITUTIONS: ANY SUBSTITUTIONS FOR SPECIFIED MATERIALS/PRODUCTS/EQUIPMENT MUST BE SUBMITTED IN WRITING WITH THE BID, ALONG WITH THE REASON FOR THE SUBSTITUTION, PROPOSED PRODUCT DATA, SAMPLES, ETC., AND THE COST SAVINGS TO THE OWNER. EVALUATION FOR THE PROPOSED SUBSTITUTION MAY REQUIRE ADDITIONAL SERVICES IN THE FORM OF RESEARCH AND RE-DESIGN ON THE PART OF THE ARCHITECT AND THEIR CONSULTANTS. THE OWNER SHALL BE NOTIFIED OF THE NEED FOR ADDITIONAL SERVICES PRIOR TO REVIEW OF THE SUBSTITUTION BY THE ARCHITECT, AND THE OWNER SHALL AUTHORIZE ADDITIONAL SERVICES PRIOR TO THE ARCHITECT COMMENCING THEIR REVIEW. SUBSTITUTIONS SHALL NOT BE SUBMITTED DURING THE SUBMITTAL REVIEW PROCESS.
16. WARRANTY: THE CONTRACTOR SHALL BE RESPONSIBLE FOR, AND SHALL REPLACE OR REMEDY ANY FAULTY, IMPROPER, OR INFERIOR MATERIALS, PRODUCTS, EQUIPMENT, OR WORKMANSHIP WHICH SHALL APPEAR WITHIN ONE (1) YEAR OF OWNER'S ACCEPTANCE OF THE WORK, OR AS OTHERWISE INDICATED IN SPECIFIED WARRANTIES FOR A SPECIFIC COMPONENT/EQUIPMENT/SYSTEM.
17. CONTRACTOR SHALL PROVIDE NESTED BACK-BLOCKING AS REQUIRED TO ACHIEVE FIRM ATTACHMENT OF ALL ARCHITECTURAL WOODWORK, AND ALL WALL AND/OR CEILING MOUNTED FINISHES, FIXTURES, EQUIPMENT, AND ACCESSORIES.
18. CONTRACTOR SHALL PROVIDE A BEAD OF SANITARY, MILDEW-RESISTANT SEALANT AT THE FOLLOWING LOCATIONS:

    METAL DOOR FRAME TO WALL TRANSITION JUNCTION OF MILLWORK AND ADJACENT SURFACES, INCLUDING TOP OF BACK SPLASHES TOILET ACCESSORIES AND FIXTURES AND WALLS WINDOW FRAMES AND TRIM WORK/WALL ELSEWHERE AS INDICATED ON THE DRAWINGS, AND AS REQUIRED BY AUTHORITIES HAVING JURISDICTION.
19. PROVIDE PAINTABLE/STAINABLE SEALANT AT ALL AREAS SCHEDULED TO RECEIVE PAINT OR STAIN. REVIEW SEALANT COLOR AND LOCATIONS WITH ARCHITECT PRIOR TO FURNISHING AND INSTALLATION.
20. WHERE PIPES, CONDUIT, CABLE WIRES, DUCTS, OR SIMILAR BUILDING SERVICE EQUIPMENT PASS THROUGH FIRE/SMOKE-RATED ASSEMBLIES, THE SPACE BETWEEN THE PENETRATING ITEM AND THE RATED ASSEMBLY SHALL BE FILLED WITH A MATERIAL CAPABLE OF MAINTAINING THE SMOKE/FIRE-RESISTANCE OF THE ASSEMBLY.



NORTH

EGRESS PLAN
1/8" = 1'-0"

LIFE SAFETY SYMBOLS LEGEND

REFER TO ELECTRICAL "LIFE SAFETY" DRAWINGS FOR FIRE ALARM AND DETECTION DEVICE LOCATIONS AND SPECIFICATIONS

PATH OF TRAVEL TO EXIT

PROJECT CODE DATA

BUILDING AND FIRE CODES:
RHODE ISLAND LIFE SAFETY CODE (NFPA 101, 2018 ED. WITH RI AMENDMENTS)
RHODE ISLAND FIRE CODE (NFPA 1, 2018 ED, WITH RI AMENDMENTS)
RISBC-1-2021 "RHODE ISLAND STATE BUILDING CODE" (IBC, 2018 ED. WITH RI AMENDMENTS)
RISBC-8 - 2021 RI ENERGY CONSERVATION CODE (IECC 2018 ED. WITH RI AMENDMENTS)

SPRINKLER SYSTEM (SBC-1, SECTION 903.2):
NOT REQUIRED FOR FIRE AREAS LESS THAN 12,000 SF.

FIRE ALARM/SMOKE DETECTION SYSTEM: LOCAL

USE GROUP (SBC-1, CHAPTER 3):
SBC-1:
- CONCESSION/PRESS BOX - "B" BUSINESS
- FIELD HOUSE/LOCKER ROOM - "E" EDUCATION / "S-1" STORAGE
- RESTROOM BUILDING - "U" UTILITY

SBC-1, CHAPTER 5 - ALLOWABLE HEIGHT/AREA (SBC-1 TABLES 504.3/506.2):
PROJECT: 20' / 9,000

SBC-1, TABLE 601 - FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (BASED ON CONSTRUCTION TYPE):
TYPE 2B (NON-COMBUSTIBLE)
- EXTERIOR BEARING WALLS 0HR**
- ROOF, FLOOR AND ALL OTHER WALLS 0 HR

**NOT LESS THAN REQUIREMENTS BASED ON FIRE SEPARATION DISTANCE (TABLE 602)

TABLE 602 EXTERIOR WALL FIRE -RESISTANCE RATING BASED ON FIRE SEPARATION DISTANCE (FSD):

FSD	RATING
> 30 FEET:	0

SBC-1, CHAPTER 10

NUMBER OF EXITS (1006.2.1):
MINIMUM REQUIRED: 2 PROVIDED: 2

PROJECT OCCUPANT LOAD (SBC-1 TABLE 1004.5):

USE	NET AREA / LENGTH	OCC. LOAD FACTOR	OCC. LOAD
FIELD HOUSE BUILDING:			
LOCKER RM BENCH SEATING	100 LF	(1 PER 18 INCHES)	68
RESTROOMS	105 SF	(150 GROSS)	2
COACH ROOMS	260 SF	(150 GROSS)	2
STORAGE/UTILITY ROOMS	600 SF	(300 GROSS)	2
TOTAL FIELD HOUSE OCCUPANT LOAD:			74
CONCESSION / PRESS BOX BUILDING:			
CONCESSION	604 SF	ACTUAL	8
PRESS BOX	260SF	ACTUAL	12
STORAGE/UTILITY	102 SF	(300 GROSS)	1
TOTAL CONCESSION/ PRESS BOX OCCUPANT LOAD:			21
RESTROOM BUILDING:			
STORAGE ROOM	102 SF	(300 GROSS)	1
RESTROOMS	230 SF	(15 SF NET)	12
RESTROOM TOTAL OCCUPANT LOAD			13

SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY (TABLE 1006.2.1):

ALLOWABLE: 75 '

PROJECT:
FIELD HOUSE 24 FEET
CONCESSION / RESTROOMS 33 FEET (O.L.<30)
PRESS BOX 29 FEET (O.L.<30)

1006.3.3 SINGLE EXITS
PERMITTED FOR ROOMS /AREAS THAT DO NOT EXCEED VALUES IN TABLE 1006.3.3(2)

TABLE 1006.3.3(2) STORIES WITH ONE EXIT OR ACCESS TO ONE EXIT
MAX OCCUPANT LOAD PERMITTED: 49
MAX COMMON PATH OF EGRESS TRAVEL DISTANCE: 75 FEET

TRAVEL DISTANCE TO EXIT (TABLE 1017.2):

WITHOUT SPRINKLER: 200 '

PROJECT:
FIELD HOUSE 67 FEET
CONCESSION / RESTROOMS 33 FEET
PRESS BOX 29 FEET

SBC-1, CHAPTER 26 FOAM PLACTIC
2603.3 SURFACE BURNING CHARACTERISTICS -
FLAME SPREAD: 75 MAX SMOKE DEV: 450 MAX

2603.4.1 MASONRY CONSTRUCTION - A THERMAL BARRIER IS IS NOT REQUIRED FOR FOAM PLASTIC IN A MASONRY WALL, WHERE COVERED BY NOT LESS THAN 1 INCH OF MASONRY.

SBC-3

TABLE 402.1 NUMBER OF PLUMBING FIXTURES

	FIELD HOUSE	CONCESSION/PRESS BOX	RESTROOMS
WOMEN WC:	2		3
MEN WC	2		1
URINALS:	2		2
LAVATORIES:	4		4
SHOWERS	10		
JANITOR SINK:	1	1	1
DRINK FOUNTAIN	1	0	1

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NEW FIELD HOUSE

GLEDHILL ATHLETIC FIELD
BURRILLVILLE HIGH SCHOOL
425 EAST AVENUE
BURRILLVILLE, RHODE ISLAND

DRAWN BY: PAC
DATE: MAR 4, 2024
REVISIONS:
7/30/24: S- & A- PERMIT ISSUE
2/10/26 - CORE AND SHELL PRELIM
4/10/26 - CORE & SHELL BID ISSUE
11/6/26 - UPDATED C&s BID

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DRAWING NAME:
CODE DATA

T-2

GENERAL NOTES

DESIGN LOADS (EXCEPT AS NOTED):

BUILDING CODE: RHODE ISLAND STATE BUILDING CODE SBC-1
(2018 INTERNATIONAL BUILDING CODE W/ 2021 RI AMENDMENTS)

FOUNDATION CRITERIA:
GROUND SNOW: 40 PSF
FROST DEPTH: 4'-6"
SAFE SOIL BEARING CAPACITY: 3000 PSF (ASSUMED)

SEISMIC FACTORS:
GROUND ACCELERATIONS: Ss=.192g, S1=.056g
DESIGN ACCELERATIONS: Sds=.2048g, Sd1=.0896g
SEISMIC IMPORTANCE FACTOR (Ie): 1.00
RISK CATEGORY: II
SEISMIC DESIGN CATEGORY: B
SEISMIC SITE CLASS: D

ANALYSIS PROCEDURE : EQUIVALENT LATERAL FORCE PROCEDURE
LATERAL FORCE RESISTING SYSTEM: ORDINARY REINFORCED MASONRY SHEAR WALLS
- RESPONSE MODIFICATION FACTOR (R): 2.0
- SEISMIC RESPONSE COEFF. (Cs): .102
- BASE SHEAR: V = 3.6 KIPS.

ROOF CRITERIA:
FLAT ROOF SNOW LOAD (Pf): 30 PSF
SNOW EXPOSURE FACTOR (Ce): 0.9
SNOW LOAD IMPORTANCE FACTOR (Is): 1.0
THERMAL FACTOR (Ct): 1.2

TRUSS DESIGN LOAD REQUIREMENTS:
SNOW LOAD TOP CHORD.....30 PSF
DEAD LOAD TOP CHORD.....15 PSF
LIVE LOAD BOT. CHORD.....20 PSF (AS REQ.)
DEAD LOAD BOT. CHORD.....10 PSF

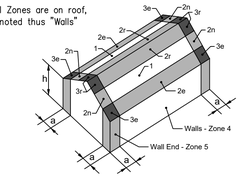
WIND CRITERIA:
ULTIMATE DESIGN WIND SPEED (V ULT): 121 MPH
NOMINAL DESIGN WIND SPEED (V ASD): 94 MPH
RISK CATEGORY: II
WIND EXPOSURE: B
INTERNAL PRESSURE COEFF. (GCpi): ±0.18

COMPONENTS AND CLADDING PRESSURES (METHOD 1 - 94mph, GABLE ROOF)					
LOCATION	10sf	20sf	50sf	100sf	500sf
ZONE 1	-26.5 PSF	-22.5 PSF	-17.1 PSF	-13.1 PSF	-13.1 PSF
ZONE 2e	-26.5 PSF	-22.5 PSF	-17.1 PSF	-13.1 PSF	-13.1 PSF
ZONE 2r	-26.5 PSF	-22.5 PSF	-17.1 PSF	-13.1 PSF	-13.1 PSF
ZONE 2n	-29.2 PSF	-26.1 PSF	-22.0 PSF	-18.9 PSF	-15.8 PSF
ZONE 3r	-29.2 PSF	-26.1 PSF	-22.0 PSF	-18.9 PSF	-15.8 PSF
ZONE 3e	-45.2 PSF	-31.7 PSF	-26.3 PSF	-22.2 PSF	-15.8 PSF
COMPONENTS AND CLADDING PRESSURES (METHOD 1 - 94mph, WALLS)					
LOCATION	10sf	20sf	50sf	100sf	500sf
ZONE 4	-17.4 PSF	-16.4 PSF	-15.5 PSF	-14.8 PSF	-13.1 PSF
ZONE 5	-21.1 PSF	-19.7 PSF	-17.8 PSF	-16.4 PSF	-13.1 PSF
COMPONENTS AND CLADDING PRESSURES (METHOD 1-94mph, SOFFIT OVERHANGS/CANOPIES)					
LOCATION	10sf	20sf	50sf	100sf	500sf
ZONE 2	-29.2 PSF	-28.4 PSF	-27.3 PSF	-26.5 PSF	-26.5 PSF
ZONE 3	-29.2 PSF	-28.4 PSF	-27.3 PSF	-26.5 PSF	-26.5 PSF

Components and Cladding - Method 1

Enclosed Buildings Design Wind Pressures

Walls & Roofs



Gable Roof (7°< Θ </= 45°)

NOTATION:

a = 10% OF LEAST HORIZONTAL DIMENSION OR 0.4h, WHICHEVER IS SMALLER, BUT NOT LESS THAN EITHER 4% OF LEAST HORIZONTAL DIMENSION OR 3FT (0.9M). IF AN OVERHANG EXISTS, THE EDGE DISTANCE SHALL BE MEASURED FROM THE OUTSIDE EDGE OF THE OVERHANG. THE HORIZONTAL DIMENSIONS USED TO COMPUTE THE EDGE DISTANCE SHALL NOT INCLUDE ANY OVERHANG DISTANCES.
B = HORIZONTAL DIMENSION OF BUILDING MEASURED NORMAL TO WIND DIRECTION, IN FT. (M).
h = MEAN ROOF HEIGHT, IN FEET (M).
Θ = ANGLE OF PLANE OF ROOF FROM HORIZONTAL, IN DEGREES.

GENERAL NOTES

FOUNDATION NOTES:

1. ALL SOIL CONTAINING ORGANIC OR UNSUITABLE BEARING MATERIAL SHALL BE REMOVED FROM THE BUILDING FOOTPRINT.
2. ALL SOIL SUPPORTED FOOTINGS SHALL BE FOUNDED UPON COMPACTED NATURAL SUBGRADE OR COMPACTED BANK RUN GRAVEL FILL WITH AN ASSUMED SAFE BEARING CAPACITY OF NOT LESS THAN 3000 PSF. COORDINATE SITE SPECIFIC SUBGRADE PREPARATION REQUIREMENTS WITH GEOTECHNICAL REPORT.
3. ROCK SHALL BE EXCAVATED A MINIMUM OF 6" BELOW BOTTOM OF FOOTING ELEVATION AND COVERED WITH A LAYER OF COMPACTED GRAVEL.
4. A MODIFIED PROCTOR TEST SHALL BE PERFORMED BY A SOILS TESTING LAB ON EACH TYPE OF SOIL TO BE COMPACTED.
5. SOIL SHALL BE COMPACTED TO NOT LESS THAN 95% OF MAXIMUM DRY DENSITY PER ASTM D1557 IN LIFTS NOT TO EXCEED 6" LOOSE DEPTH.
6. FIELD DENSITY TESTS SHALL BE PERFORMED BY AN INDEPENDENT SOILS TESTING LAB TO VERIFY COMPACTION. A COPY OF ALL TEST REPORTS SHALL BE FILED WITH THE ARCHITECT.
7. BACKFILL SYMMETRICALLY AGAINST ALL FOUNDATION WALLS IN INCREMENTS NOT TO EXCEED 2 FEET MAXIMUM DIFFERENTIAL.
8. SEE PLUMBING AND ELECTRICAL DRAWINGS FOR UNDER FLOOR SYSTEMS AND SPECIAL GRANULAR FILL MATERIAL REQUIREMENTS.
9. NO FOOTINGS OR SLABS SHALL BE POURED INTO OR AGAINST SUBGRADE CONTAINING FREE WATER OR ICE.
10. ALL SLABS-ON-GRADE SHALL BE PLACED ON VAPOR BARRIER OVER A MIN. 6" COMPACTED STRUCTURAL FILL. REFER TO ARCHITECTURAL DWGS. FOR VAPOR BARRIER THICKNESS. COORDINATE ADDITIONAL SUBGRADE PREPARATION REQUIREMENTS WITH GEOTECHNICAL REPORT.

CONCRETE NOTES:

1. ALL CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF NOT LESS THAN 4000 PSI AT 28 DAYS (U.N.O.)
2. ALL CONCRETE WALLS, FOOTINGS AND CONCRETE EXPOSED TO THE WEATHER SHALL CONTAIN AN APPROVED AIR ENTRAINING ADMIXTURE. AIR CONTENT SHALL BE 4 1/2% TO 7%.
3. ALL CONCRETE SHALL CONTAIN AN APPROVED WATER-REDUCING ADMIXTURE.
4. A SET OF FOUR (4) CONCRETE TEST CYLINDERS SHALL BE TAKEN BY AN INDEPENDENT CONCRETE TESTING LAB ON EACH DAY WHEN CONCRETE PLACEMENT EXCEEDS 5 CUBIC YARDS. ONE CYLINDER SHALL BE BROKEN AT 7 DAYS, TWO AT 28 DAYS, AND ONE AT 56 DAYS. A COPY OF ALL TEST REPORTS SHALL BE FILED WITH THE ARCHITECT. CYLINDERS ARE REQUIRED FOR EVERY 50 CUBIC YARDS POURED PER DAY.
5. NO CALCIUM CHLORIDE SHALL BE USED IN ANY CONCRETE.
6. A MIX DESIGN AND ACI 214 STRENGTH TEST EVALUATION SHALL BE SUBMITTED FOR APPROVAL FOR EACH TYPE OF CONCRETE.
7. REINFORCING BARS SHALL BE ASTM A615 GRADE 60 (U.N.O.).
8. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION, SHOWING REINFORCING DETAILS, STEEL SIZES, SPACING AND PLACEMENT OF REINFORCING.
9. ALL REINFORCING BAR SPLICES SHALL CONFORM TO REQUIREMENTS OF ACI 318-14, BUT IN NO CASE SHALL THEY BE LESS THAN 2'-0".
10. DOWELS SHALL MATCH SIZE AND SPACING OF MAIN REINFORCING.
11. SHRINKAGE CONTROL JOINTS IN ALL WALLS SHALL BE NO FURTHER APART THAN 60 FEET IN ANY DIRECTION. CONSTRUCTION CONTROL JOINTS IN ALL WALLS SHALL BE NO FURTHER APART THAN 120 FEET IN ANY DIRECTION. SEE PLAN FOR LOCATION OF SLAB CONSTRUCTION AND/OR SHRINKAGE JOINTS.
12. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A1064, Fy = 60 KSI.
13. ALL WELDED WIRE FABRIC SHALL BE LAPPED ONE (1) FULL MESH PANEL AT SIDES AND ENDS AND BE SECURELY WIRED TOGETHER.
14. SEE ARCHITECTURAL DRAWINGS FOR TYPE AND LOCATION OF ALL FLOOR FINISHES, FLOOR DEPRESSIONS AND CUT OUTS.
15. COORDINATE ALL FOUNDATION PENETRATIONS WITH ARCHITECT, PLUMBING, MECHANICAL, ELECTRICAL CONTRACTORS AND LOCAL AGENCIES.

ROOF SHEATHING NOTES:

1. ROOF SHEATHING SHALL BE MINIMUM 5/8" APA RATED SHEATHING, EXTERIOR GRADE. SHEATHING SHALL BE FASTENED WITH 8d NAILS AT NOT MORE THAN 6" O.C. ON ALL SUPPORTED PANEL EDGES. "H" CLIPS SHALL BE USED AT ALL UNSUPPORTED PANEL EDGES WHEN FRAMING IS SPACED GREATER THAN 16" ON CENTER. NAIL INTERMEDIATE MEMBERS AT 12" O.C.

GENERAL NOTES

STRUCTURAL STEEL NOTES:

1. ALL DETAILING, FABRICATION AND ERECTION SHALL CONFORM TO THE AISC SPECIFICATIONS AND CODES, LATEST EDITION.
2. ALL WIDE FLANGE SECTION STRUCTURAL BEAMS (W) SHALL BE ASTM A992, Fy = 50 KSI. PLATES, ANGLES, AND CHANNELS SHALL BE ASTM A36, Fy = 36 KSI.
3. ALL ANCHOR BOLTS AND THREADED RODS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F1554.
4. ALL BOLTED CONNECTIONS SHALL BE DESIGNED AND INSTALLED IN COMPLIANCE WITH THE "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS."
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF ALL ERECTION PROCEDURES AND SEQUENCES WITH RELATION TO TEMPERATURE DIFFERENTIALS AND STABILITY.
6. AFTER FABRICATION, ALL STEEL SHALL BE CLEANED OF ALL RUST, LOOSE MILL SCALE AND OTHER FOREIGN MATERIALS. ALL NON-GALVANIZED STEEL SHALL RECEIVE ONE COAT OF APPROVED PRIMER PAINT. DAMAGED GALVANIZED STEEL SHALL BE REPAIRED.
7. REFER TO ARCHITECTURAL DRAWINGS FOR FIREPROOFING REQUIREMENTS OF ALL STEEL.

PRE-ENGINEERED WOOD ROOF TRUSSES:

1. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR WOOD FRAMING DETAILS.
2. ALL FASTENING SHALL COMPLY WITH TABLE 2304.10.1 FASTENING SCHEDULE OF THE RHODE ISLAND STATE BUILDING CODE.
3. ALL ROOF TRUSSES AND OVERHANGING WOOD MEMBERS SHALL BE HELD DOWN WITH HURRICANE ANCHORS. REFER TO DRAWINGS FOR TYPE AND LOCATIONS.
4. WOOD TRUSSES SHALL BE DESIGNED PER THE "DESIGN SPECIFICATION FOR METAL PLATE CONNECTED WOOD TRUSSES", PUBLISHED BY THE TRUSS PLATE INSTITUTE.
5. WOOD TRUSS FABRICATOR SHALL SUBMIT TO THE ARCHITECT FOR APPROVAL PRIOR TO FABRICATION, SHOP DRAWINGS BEARING SEAL AND SIGNATURE OF THE DESIGN PROFESSIONAL ENGINEER, REGISTERED IN THE STATE OF RHODE ISLAND. SHOP DRAWINGS SHALL INCLUDE BUT ARE NOT LIMITED TO: TRUSS LAYOUT PLAN; TRUSS DETAILS SHEETS SHOWING CONFIGURATION, DIMENSIONS, LOADS, MEMBER SIZES AND GRADES, MEMBER FORCES, CONNECTION PLATE SIZES, AND PERMANENT BRACING REQUIRED; TRUSS CONNECTION HANGERS FOR FLUSH FRAMING.
6. WOOD TRUSS ERECTOR SHALL BE RESPONSIBLE FOR DESIGN AND INSTALLATION OF ALL TEMPORARY ERECTION BRACING AND PERMANENT BRACING.
7. SEE GENERAL NOTES - DESIGN LOADS FOR TRUSS DESIGN LOADS REQUIREMENTS.

STRUCTURAL LUMBER, ENGINEERED LUMBER:

1. ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF "TIMBER CONSTRUCTION STANDARDS" OF THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION AND THE "NATIONAL DESIGN SPECIFICATION FOR STRESS-GRADE LUMBER AND ITS FASTENINGS" OF THE NATIONAL FOREST PRODUCTS ASSOCIATION.
2. THE MINIMUM GRADES AND DESIGN VALUES REQUIRED FOR STRUCTURAL LUMBER SHALL BE: STUDS: SPRUCE-PINE-FIR CONSTRUCTION GRADE Fc=1400 PSI, E=1,300,000 PSI JOISTS, RAFTERS, & HEADERS: SPRUCE-PINE-FIR NO. 1/2 Fb=875 PSI E=1,400,000 PSI
3. ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED WITH PRESERVATIVE.
4. ALL SIMPSON CONNECTORS (HANGERS, STRAPS, UPLIFT CONNECTORS, POST CAPS, ETC.) SHALL BE COATED WITH Z-MAX CORROSION RESISTANCE.
5. ALL FASTENING SHALL COMPLY WITH TABLE 2304.10.1 FASTENING SCHEDULE OF THE RHODE ISLAND STATE BUILDING CODE.

GENERAL NOTES

MASONRY NOTES:

1. MASONRY WALLS ARE DESIGNED IN ACCORDANCE WITH NCMA "SPECIFICATIONS FOR THE CONSTRUCTION OF LOAD BEARING CONCRETE MASONRY," AND TMS BUILDING CODE FOR MASONRY STRUCTURES TMS 402-2016.
2. MASONRY SHALL BE HOLLOW CONCRETE UNITS CONFORMING TO ASTM C90, WITH AN AVERAGE NET AREA COMPRESSIVE STRENGTH OF 2000 PSI.
3. MORTAR SHALL CONFORM TO ASTM C270, TYPE S (LIME), AND BE PROPORTIONED TO YIELD A COMPRESSIVE STRENGTH OF 1800 PSI AT 28 DAYS BY THE PROPERTY METHOD. COMPRESSIVE STRENGTH RESULTS OF FIELD SAMPLED MORTAR IS TO BE USED TO EVALUATE MORTAR CONSISTENCY ONLY AND IS NOT A BASIS FOR REJECTING MORTAR QUALITY.
4. GROUT FOR REINFORCED MASONRY SHALL CONFORM TO ASTM C476, TYPE PL, AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AT 28 DAYS WHEN FIELD TESTED IN ACCORDANCE WITH ASTM C1019.
5. MASONRY WALLS CONSTRUCTED SHALL YIELD A NET AREA COMPRESSIVE STRENGTH OF F'M = 2200 PSI.
6. ALL REINFORCING BARS SHALL BE ASTM A615 GRADE 60 (U.N.O.). PROVIDE TIES FOR ALL VERTICAL BARS, LOCATING BARS WITHIN A TOLERANCE OF ±1/2 INCH OF THE CENTERLINE.
7. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION, SHOWING REINFORCING DETAILS, STEEL SIZES, SPACING AND PLACEMENT OF REINFORCING. LIFT HEIGHTS MUST BE CLEARLY LABELED ON SHOP DRAWING SECTIONS/ELEVATIONS, AND MUST BE REVIEWED AND APPROVED BY THE CONTRACTOR PRIOR TO SUBMITTAL FOR ENGINEERING REVIEW.
8. PRIOR TO GROUTING CELLS, BARS AND CELLS SHALL BE INSPECTED BY THE TESTING AGENCY/ENGINEER. A CLEANOUT HOLE IS REQUIRED AT BASE OF VERTICALLY REINFORCED CELLS DURING HIGH-LIFT GROUTING PROCEDURES. THE DESIGN OF REINFORCED MASONRY CONSTRUCTION IS BASED ON ALLOWABLE STRESSES PREDICATED WITH INSPECTION PROVISIONS REQUIRING QUALIFIED MASONRY INSPECTION TO TAKE PLACE ON A CONTINUOUS BASIS WHENEVER MASONRY IS BEING PLACED.
9. REINFORCED MASONRY WALLS SHALL HAVE BOND BEAMS AT TOP OF WALL. BOND BEAMS SHALL BE REINFORCED WITH (2) #5 HORIZONTAL BARS. BOND BEAM REINFORCING SHALL BE EXTENDED INTO AND BE CONTINUOUS WITH ALL INTERSECTING BOND BEAMS. MASONRY OPENINGS GREATER THAN 16" WIDE REQUIRE APPROVED LINTELS OR AS INDICATED ON THE DRAWINGS. ADDITIONAL HORIZONTAL JOINT REINFORCING SHALL BE 9 GAGE GALVANIZED LADDER TYPE AT 16" O.C.
10. MASONRY BLOCK CELLS CONTAINING VERTICAL REINFORCING, MASONRY LINTEL BLOCKS, AND MASONRY BOND BEAMS CONTAINING HORIZONTAL REINFORCING SHALL BE GROUTED SOLID. FILLING CELLS WITH MORTAR IS UNACCEPTABLE.
11. PROVIDE #5 VERTICAL REINFORCING BARS IN (2) CELLS ADJACENT TO WINDOWS AND DOOR OPENINGS AND AT ALL CORNERS AND DISCONTINUOUS EDGES, UNLESS NOTED OTHERWISE.
12. UNLESS NOTED OTHERWISE, ALL MASONRY WALLS SHALL BE REINFORCED VERTICALLY WITH MINIMUM #5 VERTICAL BARS AT 32" O.C.
13. PLACEMENT OF PIPE OR CONDUIT WITHIN REINFORCED CELLS IS PROHIBITED.
14. STARTER COURSES OF ALL CMU WALLS SHALL BE GROUTED SOLID. REFER TO ARCH. DRAWINGS FOR THRU-WALL FLASHING AT STARTER COURSE.
15. STANDARD LOW LIFT AND HIGH LIFT GROUTING PROCEDURES AS OUTLINED IN TMS 402-2016 SHALL BE STRICTLY ADHERED TO.
16. WHERE THE FOLLOWING CONDITIONS ARE MET, PLACE GROUT IN LIFTS NOT EXCEEDING 10 FT 0 IN.
    a.) THE MASONRY HAS CURED FOR AT LEAST 4 HOURS.
    b.) THE GROUT SLUMP IS MAINTAINED BETWEEN 10 INCHES TO 11 INCHES
    c.) NO INTERMEDIATE REINFORCED BOND BEAMS ARE PLACED BETWEEN THE TOP AND BOTTOM OF THE POUR HEIGHT.
17. WHEN THE CONDITIONS OF 16a OR 16b ARE NOT MET, PLACE GROUT IN LIFTS NOT EXCEEDING 5 FEET 4 INCHES.
18. CONSOLIDATE GROUT POURS EXCEEDING 12 INCHES IN HEIGHT BY MECHANICAL VIBRATION, AND RECONSOLIDATE BY MECHANICAL VIBRATION AFTER INITIAL WATER LOSS AND SETTLEMENT HAS OCCURRED.
19. PROVIDE CLEANOUTS IN THE BOTTOM COURSE OF MASONRY FOR EACH GROUT POUR WHEN THE GROUT POUR HEIGHT EXCEEDS 5 FEET 4 INCHES. CONSTRUCT CLEANOUTS SO THAT THE SPACE TO BE GROUTED CAN BE CLEANED AND INSPECTED. CONSTRUCT CLEANOUTS WITH AN OPENING OF SUFFICIENT SIZE TO PERMIT REMOVAL OF DEBRIS. THE MINIMUM OPENING SHALL BE 3 INCHES. AFTER CLEANING, CLOSE CLEANOUTS WITH CLOSURES BRACED TO RESIST GROUT PRESSURE.
20. WHEN GROUTING, FORM GROUT KEYS BETWEEN GROUT LIFTS WHEN THE FIRST LIFT IS PERMITTED TO SET PRIOR TO PLACEMENT OF THE SUBSEQUENT LIFT.
    a.) FORM THE GROUT KEY BY TERMINATING THE GROUT A MINIMUM OF 1 1/2 INCH BELOW A MORTAR JOINT.
    b.) DO NOT FORM GROUT KEYS WITHIN BOND BEAMS.
    c.) AT BOND BEAMS OR LINTELS LAID WITH CLOSED BOTTOM UNITS, TERMINATE THE GROUT POUR AT THE BOTTOM OF THE BOND BEAM OR LINTEL WITHOUT FORMING A KEY.
21. THE MASONRY CONTRACTOR SHALL CLEAN EXPOSED MASONRY SURFACES OF ALL STAINS, EFFLORESCENCE, MORTAR OR GROUT DROPPINGS, AND DEBRIS.
22. COVER TOP OF UNFINISHED MASONRY WORK TO PROTECT IT FROM THE WEATHER.
23. COLD WEATHER CONSTRUCTION PRACTICES SHALL BE FOLLOWED WHEN AMBIENT AIR TEMPERATURE FALLS BELOW 40 DEGREES F. OR THE TEMPERATURE OF MASONRY UNITS IS BELOW 40 DEGREES F. COLD WEATHER PRACTICE SHALL BE IN CONFORMANCE WITH THE SPECIFICATION FOR MASONRY STRUCTURES TMS 602-2016.
24. HOT WEATHER CONSTRUCTION PRACTICES SHALL BE FOLLOWED WHEN AMBIENT AIR TEMPERATURE EXCEEDS 100 DEGREES F. OR 90 DEGREES F. WITH A WIND VELOCITY GREATER THAN 8 MPH. HOT WEATHER PRACTICE SHALL BE IN CONFORMANCE WITH THE SPECIFICATION FOR MASONRY STRUCTURES TMS 602-2016.

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NEW FIELD HOUSE

GLEDHILL ATHLETIC FIELD
BURRILLVILLE HIGH SCHOOL
425 EAST AVENUE
BURRILLVILLE, RHODE ISLAND

DRAWN BY: AJG CHECKED BY: TPG
DATE: MAR 4, 2024
REVISIONS:
7/30/24: S- & A- PERMIT ISSUE
3/10/26 - CORE AND SHELL

OWNERSHIP OF INSTRUMENTS OF SERVICE
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DRAWING NAME:
GENERAL NOTES

S0-1
ISSUED FOR PERMIT

STRUCTURAL - MASONRY CONSTRUCTION SECTION (ALL RISK CATEGORIES)

MASONRY CONSTRUCTION AT START OF CONSTRUCTION - VERIFY THE FOLLOWING ARE IN COMPLIANCE

IBC 1705.4 (TMS 602-16 Tables 3 & 4)

TASK	INSPECTION TYPE	DESCRIPTION
1. Compliance with approved submittals prior to start	OBSERVE	
2. Proportions of site-mixed mortar.	OBSERVE	
3. Grade and type of reinforcement, anchor bolts, and prestressing tendons and anchorages	OBSERVE	
4. Prestressing technique	OBSERVE	
5. Properties of thin bed mortar for AAC masonry	OBSERVE	
OBSERVE: Observe these items on a random sampling basis daily to insure that applicable requirements are met. Operations need not be delayed pending these inspections at contractor's risk.		

MASONRY CONSTRUCTION PRIOR TO GROUTING - VERIFY THE FOLLOWING ARE IN COMPLIANCE

IBC 1705.4 (TMS 602-16 Tables 3 & 4)

TASK	INSPECTION TYPE	DESCRIPTION
6. Grout space	OBSERVE **CONTINUOUS**	**[NOTE: DOR must either delete 'OBSERVE' for Risk Category IV/V, or delete 'CONTINUOUS' for Risk Categories I/II/ III]**
7. Proportions of site-prepared grout and prestressing grout for bonded tendons	OBSERVE	
8. Proportions of site-mixed grout and prestressing grout for bonded tendons	OBSERVE	
9. Placement of masonry units and mortar joints	OBSERVE	
10. Welding of reinforcement	**CONTINUOUS**	
OBSERVE: Observe these items on a random sampling basis daily to insure that applicable requirements are met. Operations need not be delayed pending these inspections at contractor's risk.		

MASONRY CONSTRUCTION DURING CONSTRUCTION - VERIFY THE FOLLOWING ARE IN COMPLIANCE

IBC 1705.4 (TMS 602-16 Tables 3 & 4)

TASK	INSPECTION TYPE	DESCRIPTION
11. Size and location of structural elements is in compliance	OBSERVE	
12. Preparation, construction, and protection of masonry during cold weather (temperature below 40^0F (4.4^0c) or hot weather (temp above 90^0F (32.2^0C))	OBSERVE	
13. Application and measurement of prestressing force	**CONTINUOUS**	
14. Placement of grout and prestressing grout for bonded tendons	**CONTINUOUS**	
15. Placement of AAC masonry units and construction of thin bed mortar joints	**CONTINUOUS**	Continuous for first 5000 square feet only (465 square meters).
16. Observe preparation of grout specimens, mortar specimens, and/or prisms	OBSERVE	
17. Type, size and placement of reinforcement, connectors, anchor bolts and prestressing tendons and anchorages, including details of anchorage of masonry to structural members, frames, or other construction	OBSERVE **CONTINUOUS**	**[NOTE: DOR must either delete 'OBSERVE' for Risk Category IV/V, or delete 'CONTINUOUS' for Risk Categories I/II/ III]**
OBSERVE: Observe these items on a random sampling basis daily to insure that applicable requirements are met. Operations need not be delayed pending these inspections at contractor's risk.		
CONTINUOUS: Constant monitoring of identified tasks by a special inspector over the duration of performance of said tasks.		

STRUCTURAL - CONCRETE CONSTRUCTION SECTION

CONCRETE CONSTRUCTION, INCLUDING COMPOSITE DECK - VERIFY THE FOLLOWING ARE IN COMPLIANCE

IBC Table 1705.3 (ACI 318 References Noted In IBC Table)

TASK	INSPECTION TYPE	DESCRIPTION
1. Inspect reinforcement, including prestressing tendons, and verify placement.	OBSERVE	Verify prior to placing concrete that reinforcing is of specified type, grade and size; that it is free of oil, dirt and unacceptable rust; that it is located and spaced properly; that hooks, bends, ties, stirrups and supplemental reinforcement are placed correctly; that lap lengths, stagger and offsets are provided; and that all mechanical connections are installed per the manufacturer's instructions and/or evaluation report.
2. Reinforcing bar welding	OBSERVE	✓ Verify weldability of reinforcing bars other than ASTM A 706 ✓ Inspect single-pass fillet welds, maximum 5/16" in accordance with AWS D1.4
3. Determination of carbon equivalent for reinforcing steel other than ASTM A706	**CONTINUOUS**	Visually inspect all welds in accordance with AWS D1.4
4. Cast in place anchors and post installed drilled anchors (downward inclined)	OBSERVE	Verify prior to placing concrete that cast in place anchors and post installed drilled anchors have proper embedment, spacing and edge distance.
5. Post-installed adhesive anchors in horizontal or upward inclined orientations	**CONTINUOUS AND DOCUMENT**	✓ Inspect as required per approved ICC-ES report ✓ Verify that installer is certified for installation of horizontal and overhead installation applications ✓ Inspect proof loading as required by the contract documents
6. Verify use of required mix design	OBSERVE	Verify that all mixes used comply with the approved construction documents
7. Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of concrete	**CONTINUOUS**	At the time fresh concrete is sampled to fabricate specimens for strength test verify these tests are performed by qualified technicians.
8. Inspect concrete and/or shotcrete placement for proper application techniques	**CONTINUOUS**	Verify proper application techniques are used during concrete conveyance and depositing avoids segregation or contamination. Verify that concrete is properly consolidated.
9. Verify maintenance of specified curing temperature and technique	OBSERVE	Inspect curing, cold weather protection, and hot weather protection procedures.
10. Pre-stressed concrete	**CONTINUOUS**	Verify application of prestressing forces and grouting of bonded prestressing tendons.
11. Inspect erection of precast concrete members	OBSERVE	
12. Verify in-situ concrete strength, prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and structural slabs.	OBSERVE	
13. Inspect formwork for shape, location and dimensions of the concrete member being formed.	OBSERVE	
OBSERVE: Observe these items on a random sampling basis daily to insure that applicable requirements are met. Operations need not be delayed pending these inspections at contractor's risk.		
DOCUMENT: Document in a report that work has been performed as required. This is in addition to all other required reports.		
CONTINUOUS: Constant monitoring of identified tasks by a special inspector over the duration of performance of said tasks.		

STRUCTURAL - WOOD CONSTRUCTION - SEISMIC & WIND SECTION

WOOD CONSTRUCTION SEISMIC & WIND - VERIFY THE FOLLOWING ARE IN COMPLIANCE

2018 IBC 1705.11 & 1705.12.2

TASK	INSPECTION TYPE	DESCRIPTION
1. Nailing, bolting, anchoring and other fastening of elements of the main wind/seismic force-resisting system	OBSERVE (CONTINUOUS FOR GLUING)	Includes connectors for: shearwall sheathing, roof/floor sheathing, drag struts/collectors (double top plates), braces, hold downs, roof connections to exterior walls.
OBSERVE: Observe these items on a random sampling basis daily to insure that applicable requirements are met. Operations need not be delayed pending these inspections at contractor's risk.		

GEOTECHNICAL - SOILS INSPECTION SECTION

SOILS INSPECTION - VERIFY THE FOLLOWING ARE IN COMPLIANCE

IBC 1705.6

TASK	INSPECTION TYPE	DESCRIPTION
1. Materials below shallow foundations are adequate to achieve the design bearing capacity.	OBSERVE	
2. Excavations are extended to proper depth and have reached proper material	OBSERVE	
3. Perform classification and testing of compacted fill materials	OBSERVE	
4. Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill	**CONTINUOUS**	
5. Prior to placement of compacted fill, inspect subgrade and verify that site has been prepared properly.	OBSERVE	During fill placement, the special inspector shall verify that proper materials and procedures are used in accordance with the provisions of the approved geotechnical report
OBSERVE: Observe these items on a random sampling basis daily to insure that applicable requirements are met. Operations need not be delayed pending these inspections at contractor's risk.		
CONTINUOUS: Constant monitoring of identified tasks by a special inspector over the duration of performance of said tasks.		

NOTE: ALL SPECIAL INSPECTIONS TO BE CONTRACTED BY OWNER

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NEW FIELD HOUSE

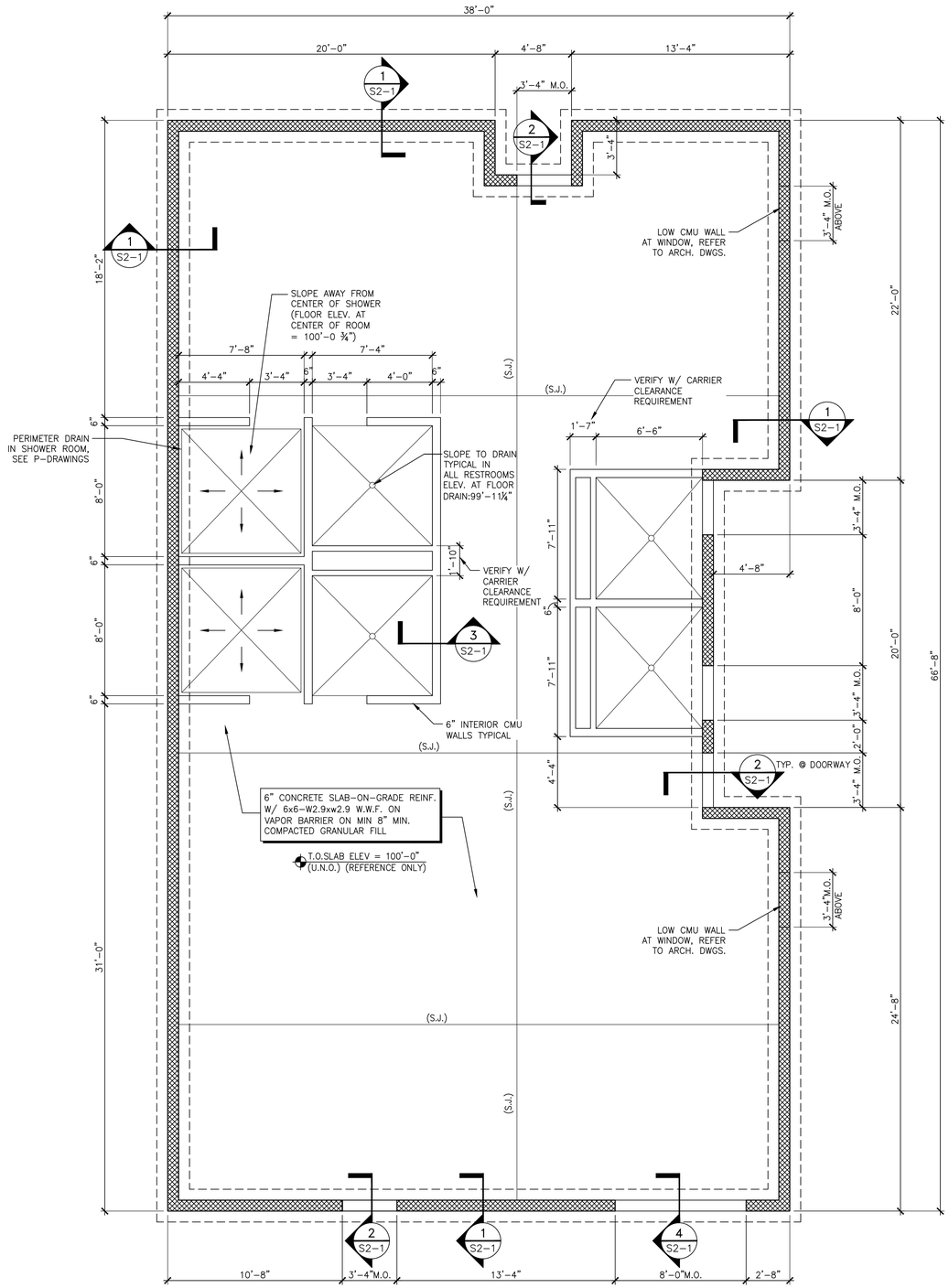
GLEDHILL ATHLETIC FIELD
BURRILLVILLE HIGH SCHOOL
425 EAST AVENUE
BURRILLVILLE, RHODE ISLAND

DRAWN BY: AJG **CHECKED BY:** TPG
DATE: MAR 4, 2024
REVISIONS:
7/30/24: S- & A- PERMIT ISSUE
3/10/26 - CORE AND SHELL

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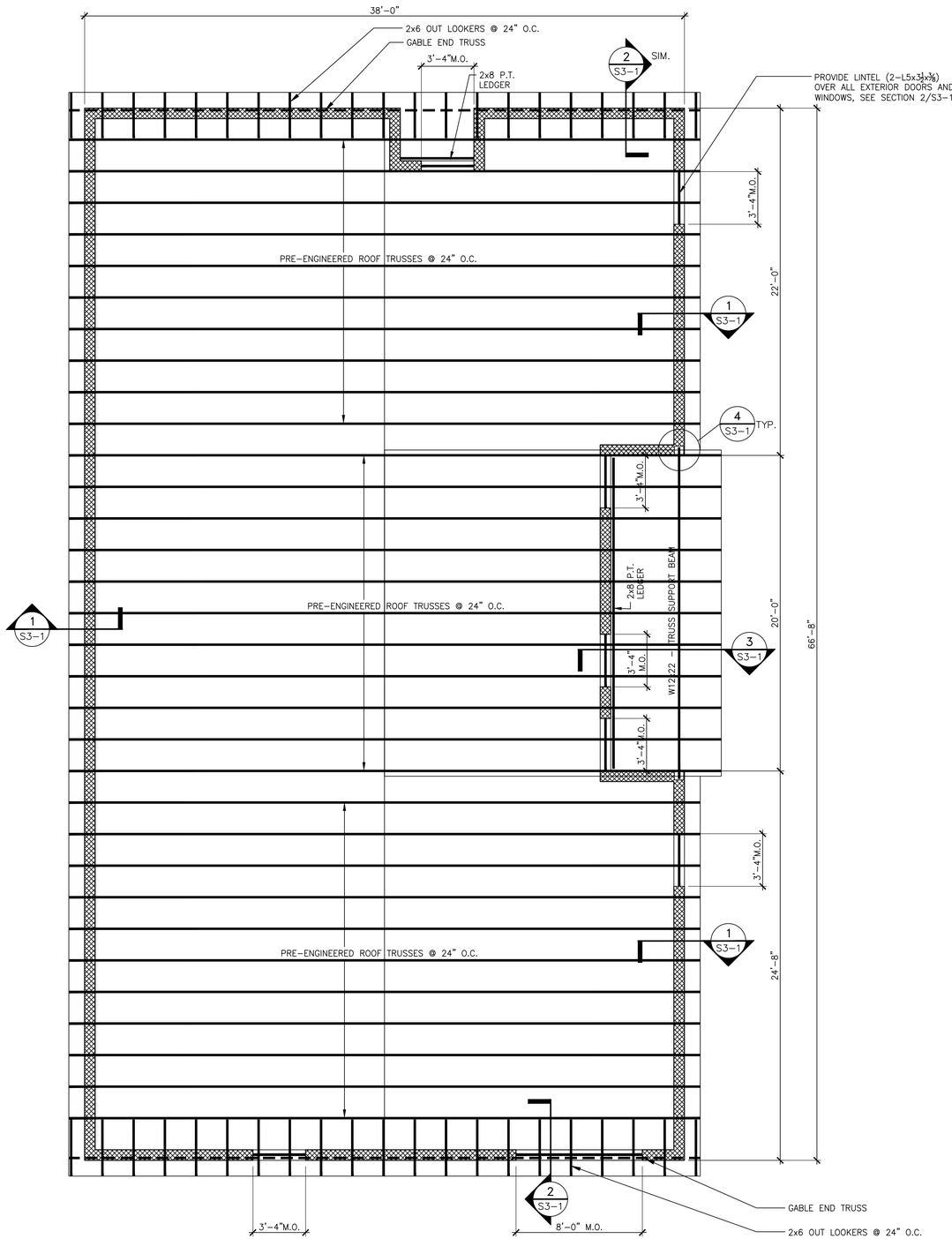
S0-2
ISSUED FOR PERMIT



FIELD HOUSE - FOUNDATION PLAN

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

NOTES:
TOP OF SLAB (WITH CONCRETE TROWEL FINISH) CALLED ELEVATION = 100'-0"
TOP OF FOUNDATION WALL CALLED ELEVATION = 100'-0"
TOP OF WALL AT ENTRANCE DOORS HELD DOWN 0'-8" (TYPICAL)
BOTTOM OF FOOTING CALLED ELEVATION = 95'-0"
(S.J.) INDICATES SHRINKAGE CONTROL JOINT (SEE TYP. SLAB DETAIL)
ALL DIMENSIONS SHOWN AND ALL BATHROOM CHASES ARE TO BE COORDINATED W/ ARCH. DRAWINGS



FIELD HOUSE - ROOF FRAMING PLAN

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

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NEW FIELD HOUSE

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425 EAST AVENUE
BURRILLVILLE, RHODE ISLAND

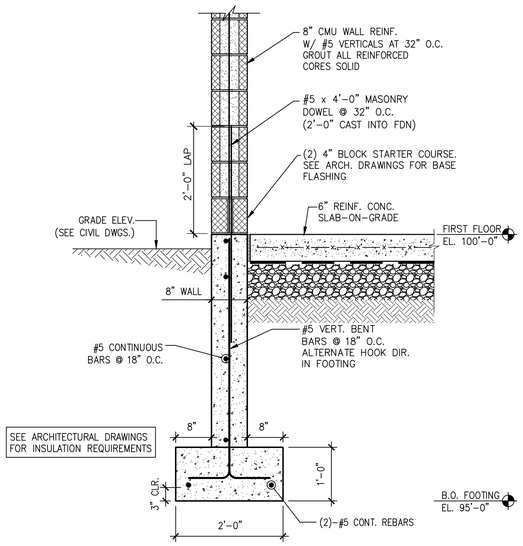
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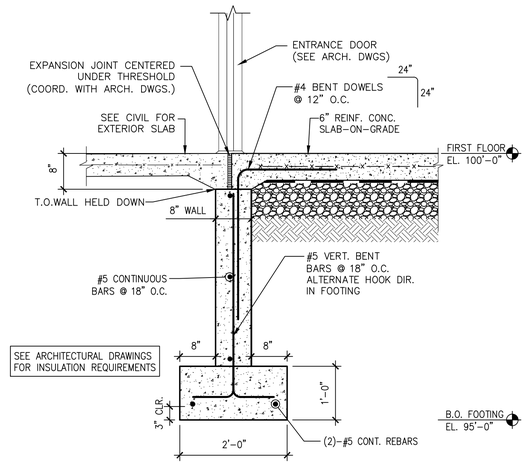
DRAWING NAME:
FOUNDATION PLAN & ROOF FRAMING PLAN

S1-1
ISSUED FOR PERMIT



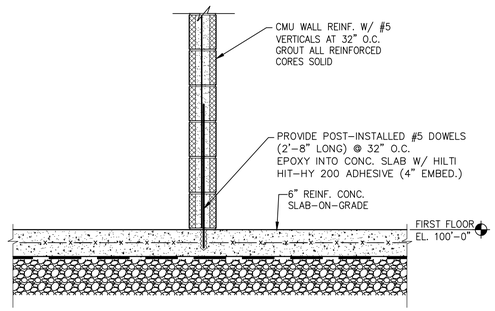
1 S2-1 FOUNDATION WALL SECTION

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



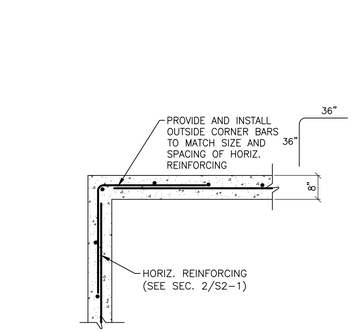
2 S2-1 FOUNDATION SECTION @ ENTRANCE DOOR

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



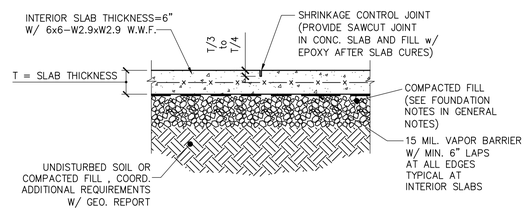
3 S2-1 TYP. INTERIOR CMU WALL AT BASE

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



TYP. WALL CORNER DETAILS

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

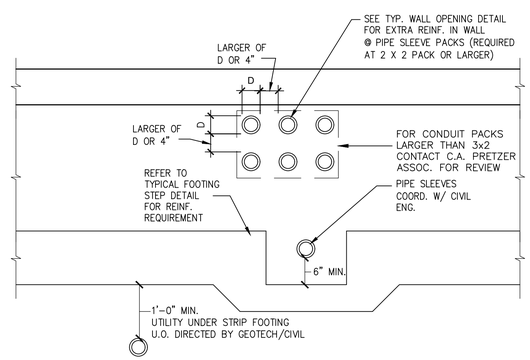


NOTES: SAWCUT SHRINKAGE CONTROL JOINTS SHALL BE PROVIDED WITHIN 12 HRS. OF SLAB PLACEMENT, AS SOON AS CONCRETE IS CAPABLE OF SUPPORTING SAWCUTTING EQUIPMENT.

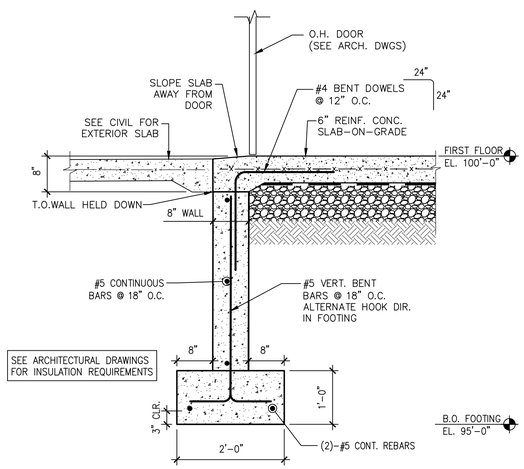
LOCATE SHRINKAGE CONTROL JOINTS AS INDICATED ON SLAB PLAN, OR AT MAXIMUM SPACING OF 20 FT. O.C. IF NOT INDICATED ON PLANS. RESULTING SHAPE SHALL NOT BE GREATER THAN 400 S.F. NOR EXCEED A 1.5 : 1 LENGTH TO WIDTH RATIO.

OPTIONALLY, THE SHRINKAGE CONTROL MAY SUBSTITUTE PREFABRICATED PLASTIC STRIPS INSTEAD OF SAWCUTTING. SUBMIT CATALOG CUTS FOR APPROVAL PRIOR TO USING.

TYP. SLAB ON GRADE DETAIL

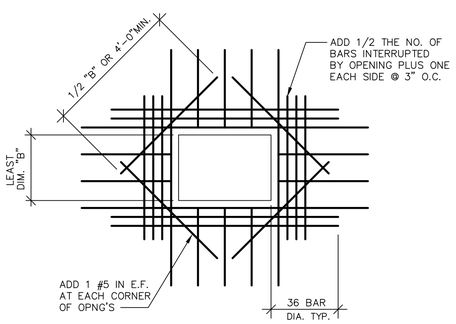


UTILITY LOCATION REQUIREMENTS

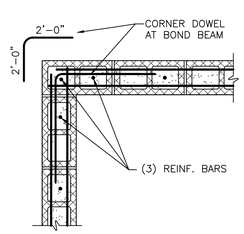


4 S2-1 FOUNDATION SECTION @ O.H. DOOR

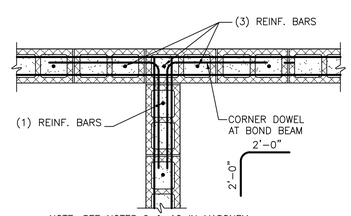
SCALE: 3/4" = 1'-0"



TYP. WALL OPENING DETAIL

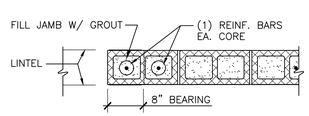


TYP. BOND BEAM CORNER



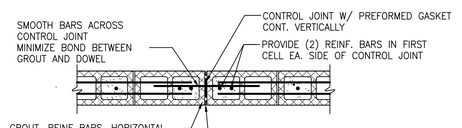
NOTE: SEE NOTES 9 & 10 IN MASONRY NOTES SECTION OF GENERAL NOTES ON SO.1

TYP. BOND BEAM INTERSECTION



NOTE: SEE NOTES 10 & 11 IN MASONRY NOTES SECTION OF GENERAL NOTES ON SO.1

TYP. JAMB DETAIL



NOTE: MAXIMUM SPACING OF CONSTRUCTION JOINTS NOT TO EXCEED 24 FEET.

TYP. CONTROL JOINT FOR CMU WALL

TYP. CMU WALL DETAILS

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NEW FIELD HOUSE

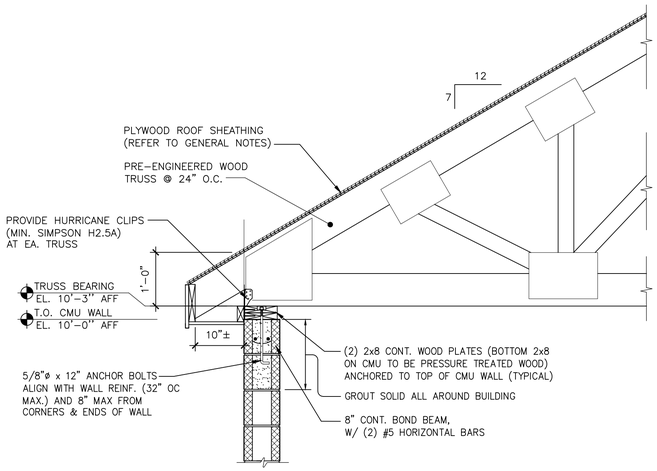
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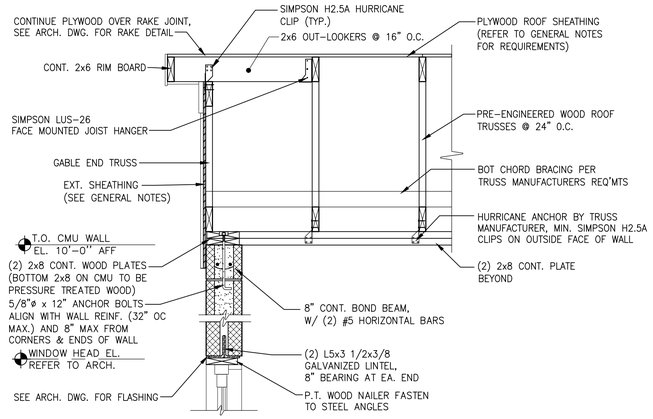
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DRAWING NAME:
FOUNDATION SECTIONS AND DETAILS

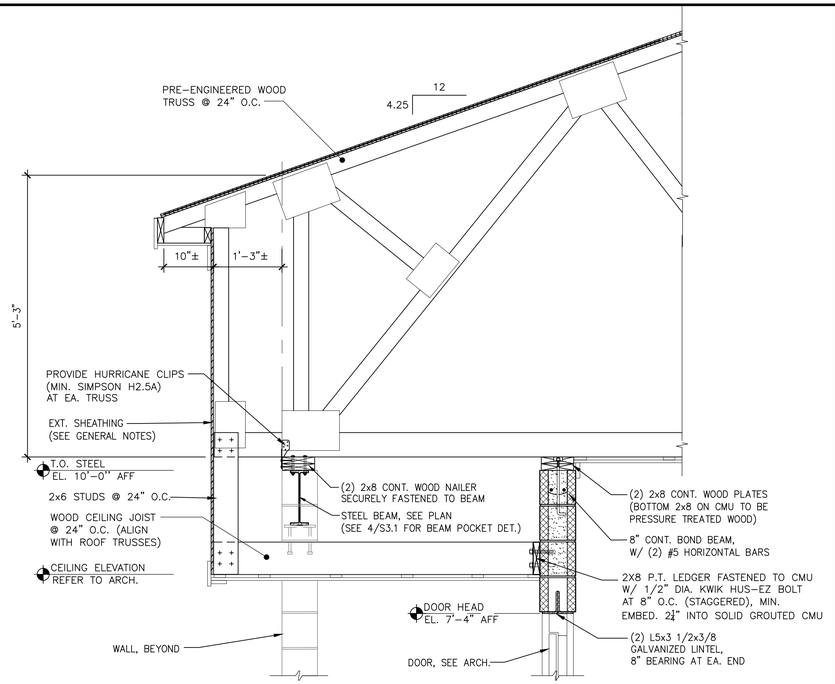
S2-1
ISSUED FOR PERMIT



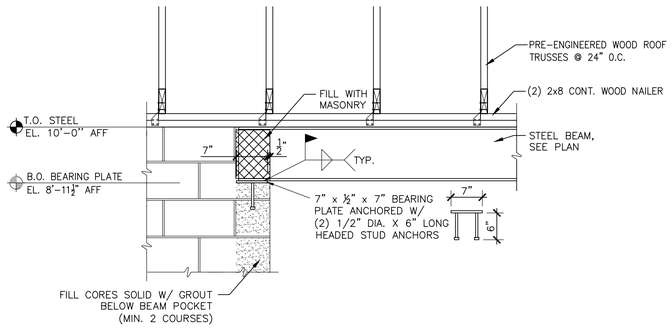
1 S3-1 WALL SECTION AT ROOF TRUSS BEARING
SCALE: 3/4" = 1'-0"



2 S3-1 WALL SECTION AT GABLE END OF ROOF
SCALE: 3/4"=1'-0"



3 S3-1 WALL SECTION AT FIELD SIDE ENTRANCE
SCALE: 3/4" = 1'-0"



4 S3-1 TYP. BEAM POCKET IN CMU WALL
SCALE: 3/4"=1'-0"

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NEW FIELD HOUSE

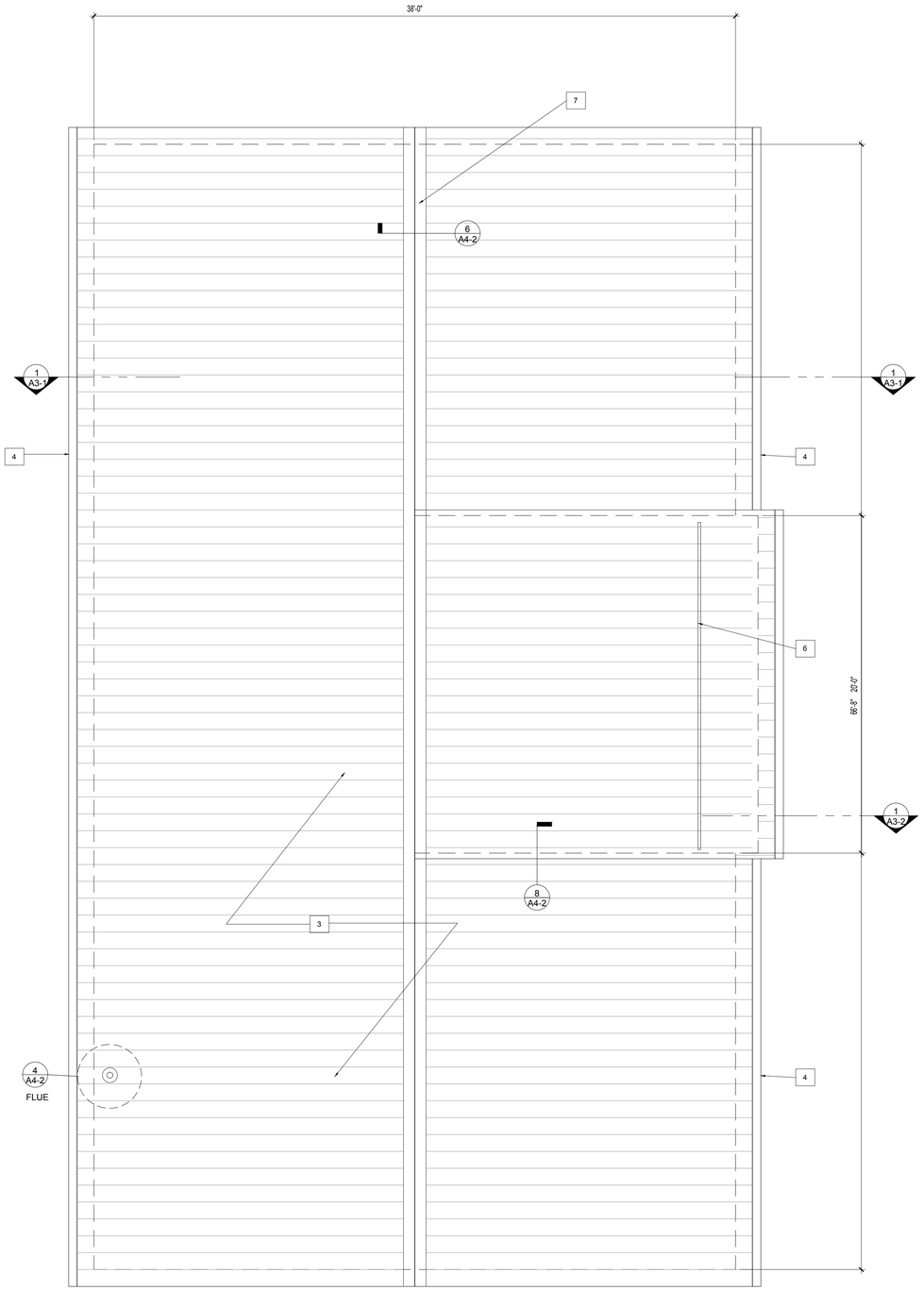
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BURRILLVILLE HIGH SCHOOL
425 EAST AVENUE
BURRILLVILLE, RHODE ISLAND

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FRAMING SECTIONS FOR FIELD HOUSE

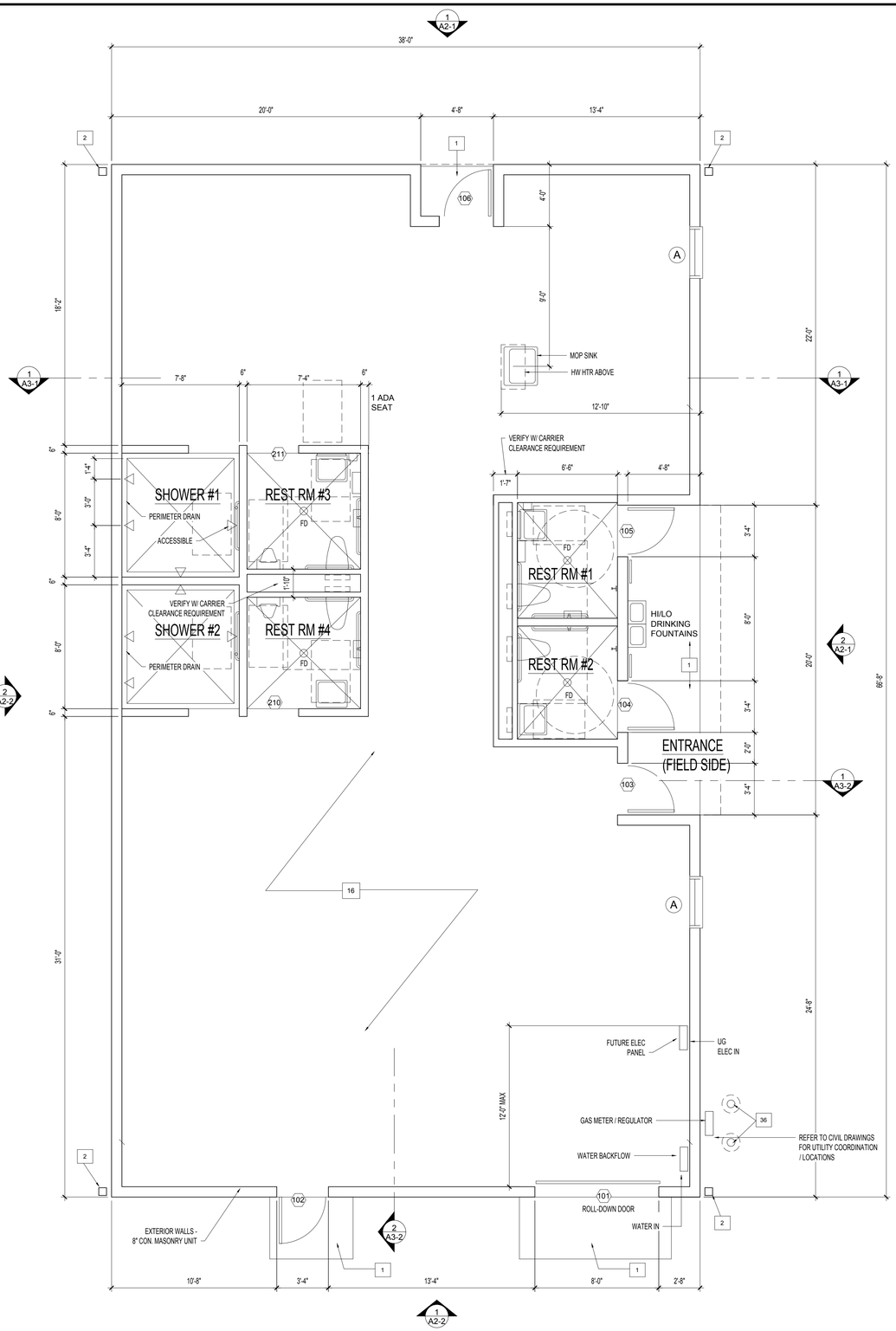
S3-1
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NORTH

FIELD HOUSE - ROOF PLAN

1/4" = 1'-0"



NORTH

FIELD HOUSE - CORE AND SHELL FLOOR PLAN

1/4" = 1'-0"

SPECIFIC PLAN KEY NOTES

1. CONCRETE LANDING. 3'-0" MINIMUM IN DIRECTION OF TRAVEL. SLOPE SLAB AWAY FROM DOOR ¼"/1'-0" MAX. SEE CIVIL FOR CONTINUATION
2. 5X 5 PRE-FINISHED METAL RAIN LEADER / PVC BOOT - SEE CIVIL FOR CONTINUATION
3. PRE-FINISHED STANDING SEAM METAL ROOF - SEE DEDUCT ALTERNATE FOR ASPHALT SHINGLES
4. 6" PRE-FINISHED METAL GUTTER
5. 22" X 36" PLYWOOD FRAMED ACCESS PANEL TO ATTIC.
6. SNOW GUARD - PAC CLAD
7. CONTINUOUS RIDGE VENT - PAC CLAD SEE DETAIL
8. 1/2" MEDIUM DENSITY OVERLY CEILING (DRY AREAS), PAINT FINISH
9. 5/8" FIBERGLASS-REINFORCED MOISTURE RESISTANT GYPSUM CEILING (WET AREAS: SHOWERS AND RESTROOMS)
10. 1-1/2" X 1/2" WD OR PVC BATTENS @ 4'-0" O.C. EACH WAY. PAINT FINISH
11. LIGHT FIXTURE - SEE E- DWGS
12. LOUVER/HVAC DEVICE. SEE M- DWGS
13. PVC TRIM. PAINT FINISH
14. FULLY ADHERED PVC MEMBRANE ROOF
15. GREASE MEMBRANE PROTECTION - G2 GREASE GUARD 48" X 48"
16. SEALED CONCRETE SLAB. SLOPE TO DRAINS AT SHOWERS AND RESTROOMS - SEE S- DRAWINGS

36. 6" DIAM x 36" ABOVE GRADE GALV STEEL GROUT FILLED BOLLARD SET IN SONOTUBE CONCRETE FOOTING. PAINT FINISH

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NEW FIELD HOUSE

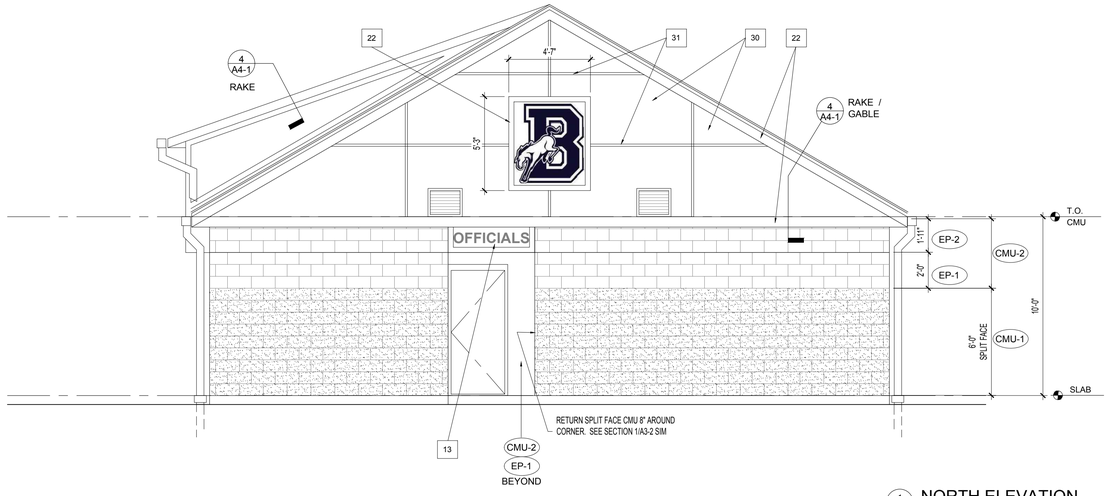
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REVISIONS:
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2/10/26 - CORE AND SHELL PRELIM
4/10/26 - CORE & SHELL BID ISSUE
11/6/26 - UPDATED C&s BID

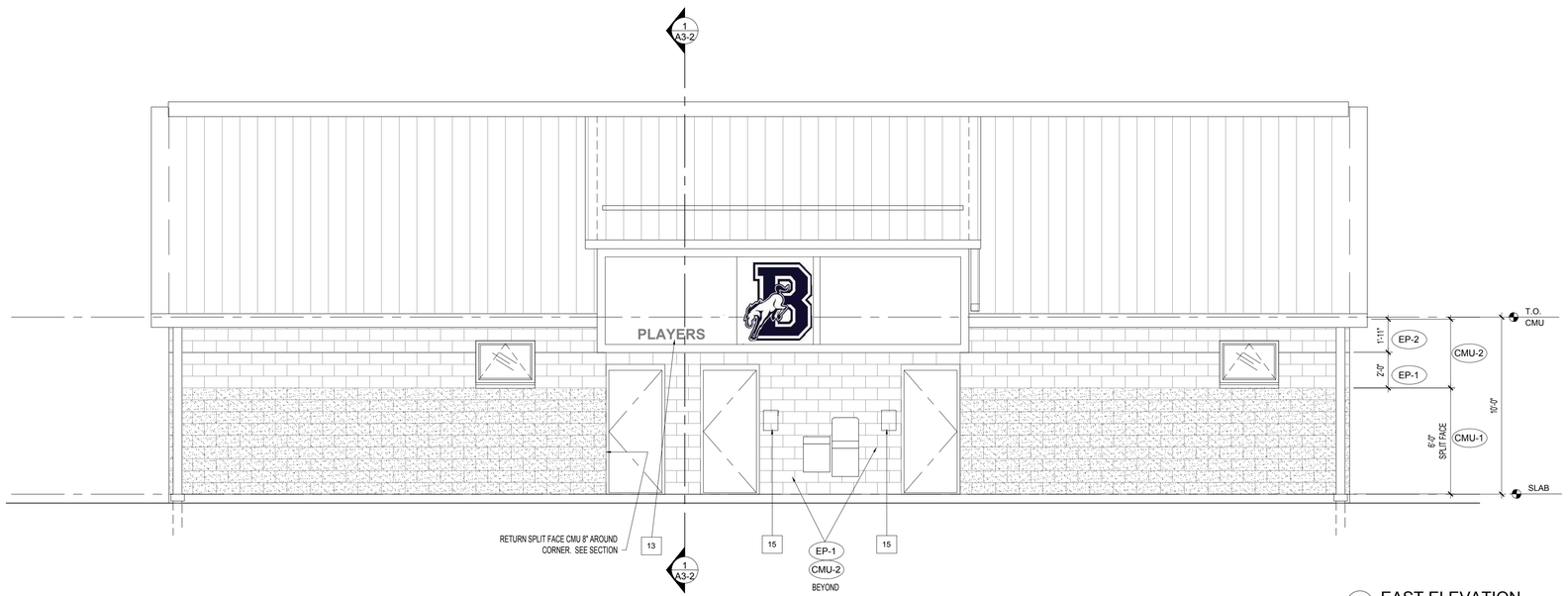
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DRAWING NAME:
CORE/SHELL FLOOR PLAN,
ROOF PLAN

A1-1



1 A2-1 NORTH ELEVATION
1/8" = 1'-0"



2 A2-1 EAST ELEVATION
1/8" = 1'-0"

#	ELEVATION SECTION & DETAIL KEY NOTES
2.	PRE-FINISHED STANDING SEAM METAL ROOF -PAC CLAD "SNAPCLAD" SYSTEM. SUBMIT COLORS TO OWNER FOR FINAL APPROVAL
2.1.	DEDUCT ALTERNATE - LIFETIME ARCHITECTURAL ASPHALT IMPREGNATED SHINGLES. GAF "TIMMBERLINE HDZ" HIGH DEFINITION SHINGLES.
3.	PRE-FINISHED METAL GUTTER
4.	PRE-FINISHED METAL RAIN LEADER / PVC BOOT . SEE CIVIL FOR CONTINUATION
5.	MASONRY CONTROL JOINT
6.	METAL ROOF COPING
7.	8" CONCRETE MASONRY UNITS - SEE S-DRAWINGS FOR REINFORCEMENT.
7.1.	INSULATE HOLLOW CORES:
7.2.	AIR BARRIER: PAINT INTERIOR (2) COATS LATEX PAINT. SEE PAINT NOTES
7.3.	DBL 4" BLOCK STARTER COURSE
8.	CONCRETE SLAB AT DOOR LANDING
9.	10 MIL POLY VAPOR BARRIER ABOVE CEILING - .01 PERM. LAP/TAPE/SEAL ALL JOINTS AND AROUND ALL PENETRATIONS
10.	FOUNDATION PERIMETER INSULATION - 2" CLOSED CELL RIGID INSULATION. EXTEND VERTICALLY TO TOP OF FOOTING.
11.	VAPOR BARRIER(-.01 PERM) BELOW CONCRETE SLAB - 15 MIL MULTI-LAYER PLASTIC EXTRUSION. "STEGO-WRAP" OR EQUAL
12.	THRU-WALL MEMBRANE FLASHING- SEAL PENETRATIONS THROUGH REINFORCING BARS - SEE DETAIL AND SPECIFICATIONS
13.	EXPOSED ALUM DRIP EDGE SET IN BED OF SEALANT
14.	APPLIED ALUMINUM LETTERS - PRE-FINISHED PAINT COLOR
15.	APPLIED VINYL SCHOOL LOGO
16.	SEALANT (BACKER ROD WHERE DEPTH EXCEEDS 3/8")
17.	ACCESSIBLE RESTROOM SIGN - SEE ACCESSORY SCHEDULE
18.	6" CONCRETE MASONRY UNITS - PAINT FINISH. SEE STRUCTURAL FOR ADDITIONAL INFORMATION
19.	DOUBLE 2X8 P.T. TOP PLATE. SEE S-DWGS
20.	SNOW GUARD - PAC CLAD - SEE MATERIALS SCHEDULE
21.	1" BAFFLE BETWEEN TRUSSES AT EAVE
22.	R-49 KRAFT-FACED FIBERGLASS BATT INSULATION BETWEEN BOTTOM CHORD OF TRUSSES
23.	1X COMPOSITE TRIM - PAINT FINISH
24.	CEILING SHEATHING OVER 1X FURRING AT 12" O.C. -
24.1.	1/2" MDO PLYWOOD WITH 1-1/2" X 1/2" WD OR PVC BATTENS OVER JOINTS @ 4'-0" O.C. EACH WAY. PAINT FINISH. SEE REF. CLG PLAN.
24.2.	WET AREAS (INCLUDES SHOWERS, TOILET ROOMS, RESTROOMS, AND CONCESSION AREA) - 5/8" M.R. SHEATHING HIGH-IMPACT, FIBERGLASS REINFORCED - TAPE AND COMPOUND JOINTS. EPOXY PAINT FINISH
25.	CONTINUOUS 4" VINYL SOFFIT VENT - CLARK DEIETRICH
26.	CONTINUOUS RIDGE VENT - PAC CLAD
27.	1/2" MDO PLYWOOD SOFFIT - 3/8" W SEALANT / BACKER ROD BETWEEN JOINTS. PAINT FINISH
28.	DRAINABLE AIR INFILTRATION BARRIER - TYVEK "DRAINWRAP"
29.	DOOR THRESHOLD SET IN BED OF SEALANT
30.	3" PERIMETER VINYL WEATHERSTRIP SET IN BED OF SEALANT
31.	EXTERIOR SIDING - CEMENTITIOUS PANELS
32.	PVC BATTENS
33.	THROUGH-WALL EXHAUST FAN SHROUD
34.	LIGHT FIXTURE - SEE ELECTRICAL DWGS.
35.	PRE-FABRICATED, PRE-FINISHED METAL COPING / DRIP EDGE - ATLAS INTL
36.	2" SQUARE T.S. POST AND RAIL WITH 1/2" BALUSTERS @ 4" O.C.. GALV, PAINT FINISH. SUBMIT SHOP DRAWINGS.
37.	PVC MEMBRANE ROOFING SYSTEM - SEE SPECIFICATION
38.	PERFORATED MARINE DECK PLANK - THRU FLOW "IMPACT" SERIES. SEE FINISHES LEGEND

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NEW FIELD HOUSE

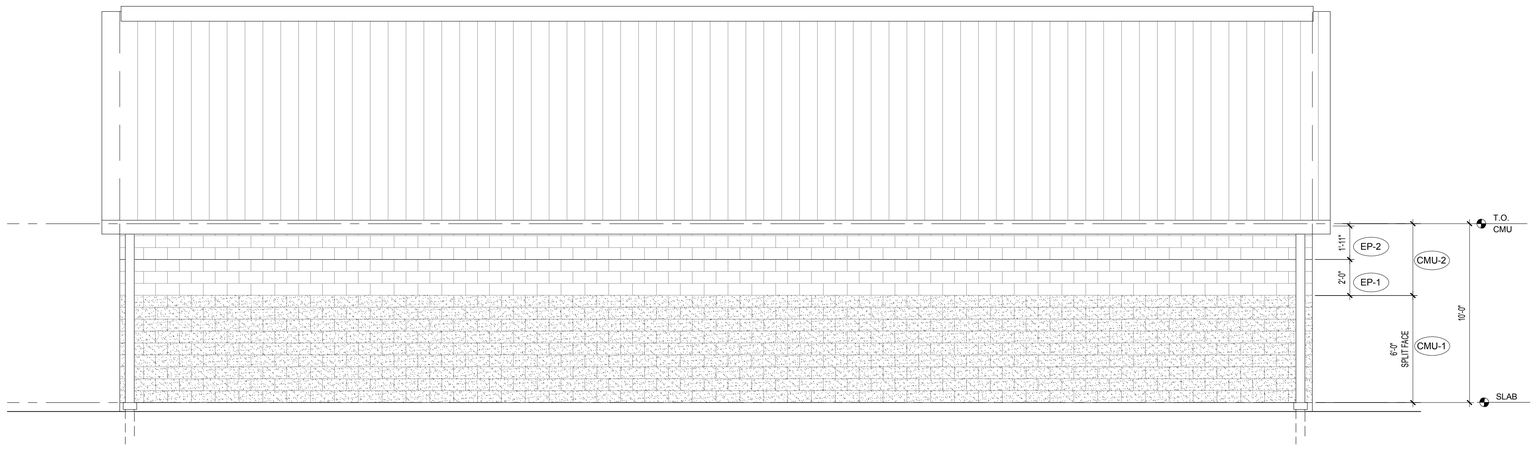
GLEDHILL ATHLETIC FIELD
BURRILLVILLE HIGH SCHOOL
425 EAST AVENUE
BURRILLVILLE, RHODE ISLAND

DRAWN BY: PAC
DATE: MAR 4, 2024
REVISIONS:
7/30/24: S- & A- PERMIT ISSUE
2/10/26 - CORE AND SHELL PRELIM
4/10/26 - CORE & SHELL BID ISSUE
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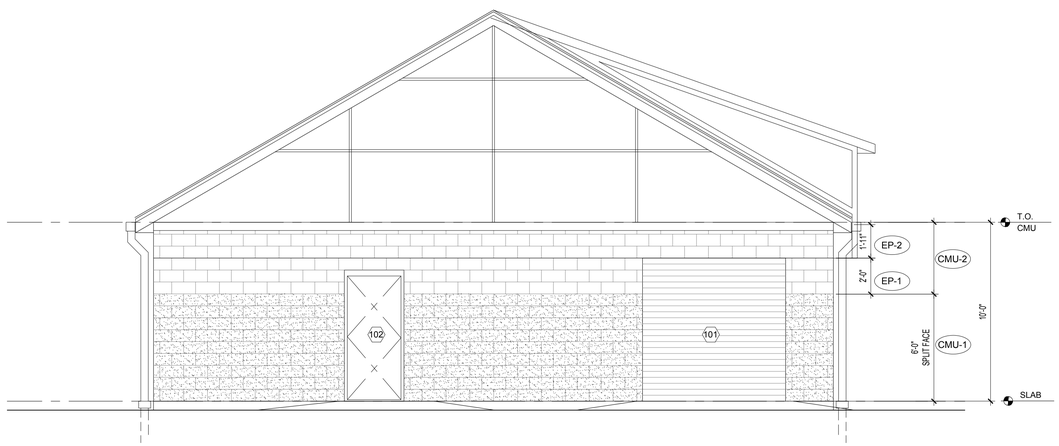
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DRAWING NAME:
EXTERIOR ELEVATIONS

A2-1



1 A2-2 WEST ELEVATION
1/8" = 1'-0"



2 A2-2 SOUTH ELEVATION
1/8" = 1'-0"

#	ELEVATION SECTION & DETAIL KEY NOTES
2.	PRE-FINISHED STANDING SEAM METAL ROOF -PAC CLAD "SNAPCLAD" SYSTEM. SUBMIT COLORS TO OWNER FOR FINAL APPROVAL
2.1.	DEDUCT ALTERNATE - LIFETIME ARCHITECTURAL ASPHALT IMPREGNATED SHINGLES. GAF "TIMMBERLINE HDZ" HIGH DEFINITION SHINGLES.
3.	PRE-FINISHED METAL GUTTER
4.	PRE-FINISHED METAL RAIN LEADER / PVC BOOT . SEE CIVIL FOR CONTINUATION
5.	MASONRY CONTROL JOINT
6.	METAL ROOF COPING
7.	8" CONCRETE MASONRY UNITS - SEE S-DRAWINGS FOR REINFORCEMENT.
7.1.	INSULATE HOLLOW CORES:
7.2.	AIR BARRIER: PAINT INTERIOR (2) COATS LATEX PAINT. SEE PAINT NOTES
7.3.	DBL 4" BLOCK STARTER COURSE
8.	CONCRETE SLAB AT DOOR LANDING
9.	10 MIL POLY VAPOR BARRIER ABOVE CEILING - .01 PERM. LAP/TAPE/SEAL ALL JOINTS AND AROUND ALL PENETRATIONS
10.	FOUNDATION PERIMETER INSULATION - 2" CLOSED CELL RIGID INSULATION. EXTEND VERTICALLY TO TOP OF FOOTING.
11.	VAPOR BARRIER(-.01 PERM) BELOW CONCRETE SLAB - 15 MIL MULTI-LAYER PLASTIC EXTRUSION. "STEGO-WRAP" OR EQUAL
12.	THRU-WALL MEMBRANE FLASHING- SEAL PENETRATIONS THROUGH REINFORCING BARS - SEE DETAIL AND SPECIFICATIONS
13.	EXPOSED ALUM DRIP EDGE SET IN BED OF SEALANT
14.	APPLIED ALUMINUM LETTERS - PRE-FINISHED PAINT COLOR
15.	APPLIED VINYL SCHOOL LOGO
16.	SEALANT (BACKER ROD WHERE DEPTH EXCEEDS 3/8")
17.	ACCESSIBLE RESTROOM SIGN - SEE ACCESSORY SCHEDULE
18.	6" CONCRETE MASONRY UNITS - PAINT FINISH . SEE STRUCTURAL FOR ADDITIONAL INFORMATION
19.	DOUBLE 2X8 P.T. TOP PLATE. SEE S-DWGS
20.	SNOW GUARD - PAC CLAD - SEE MATERIALS SCHEDULE
21.	1" BAFFLE BETWEEN TRUSSES AT EAVE
22.	R-49 KRAFT-FACED FIBERGLASS BATT INSULATION BETWEEN BOTTOM CHORD OF TRUSSES
23.	1X COMPOSITE TRIM - PAINT FINISH
24.	CEILING SHEATHING OVER 1X FURRING AT 12" O.C. -
24.1.	1/2" MDO PLYWOOD WITH 1-1/2" X 1/2" WD OR PVC BATTENS OVER JOINTS @ 4'-0" O.C. EACH WAY. PAINT FINISH. SEE REF. CLG PLAN.
24.2.	WET AREAS (INCLUDES SHOWERS, TOILET ROOMS, RESTROOMS, AND CONCESSION AREA) - 5/8" M.R. SHEATHING HIGH-IMPACT, FIBERGLASS REINFORCED - TAPE AND COMPOUND JOINTS. EPOXY PAINT FINISH
25.	CONTINUOUS 4" VINYL SOFFIT VENT - CLARK DEIETRICH
26.	CONTINUOUS RIDGE VENT - PAC CLAD
27.	1/2" MDO PLYWOOD SOFFIT - 3/8" W SEALANT / BACKER ROD BETWEEN JOINTS. PAINT FINISH
28.	DRAINABLE AIR INFILTRATION BARRIER - TYVEK "DRAINWRAP"
29.	DOOR THRESHOLD SET IN BED OF SEALANT
30.	3" PERIMETER VINYL WEATHERSTRIP SET IN BED OF SEALANT
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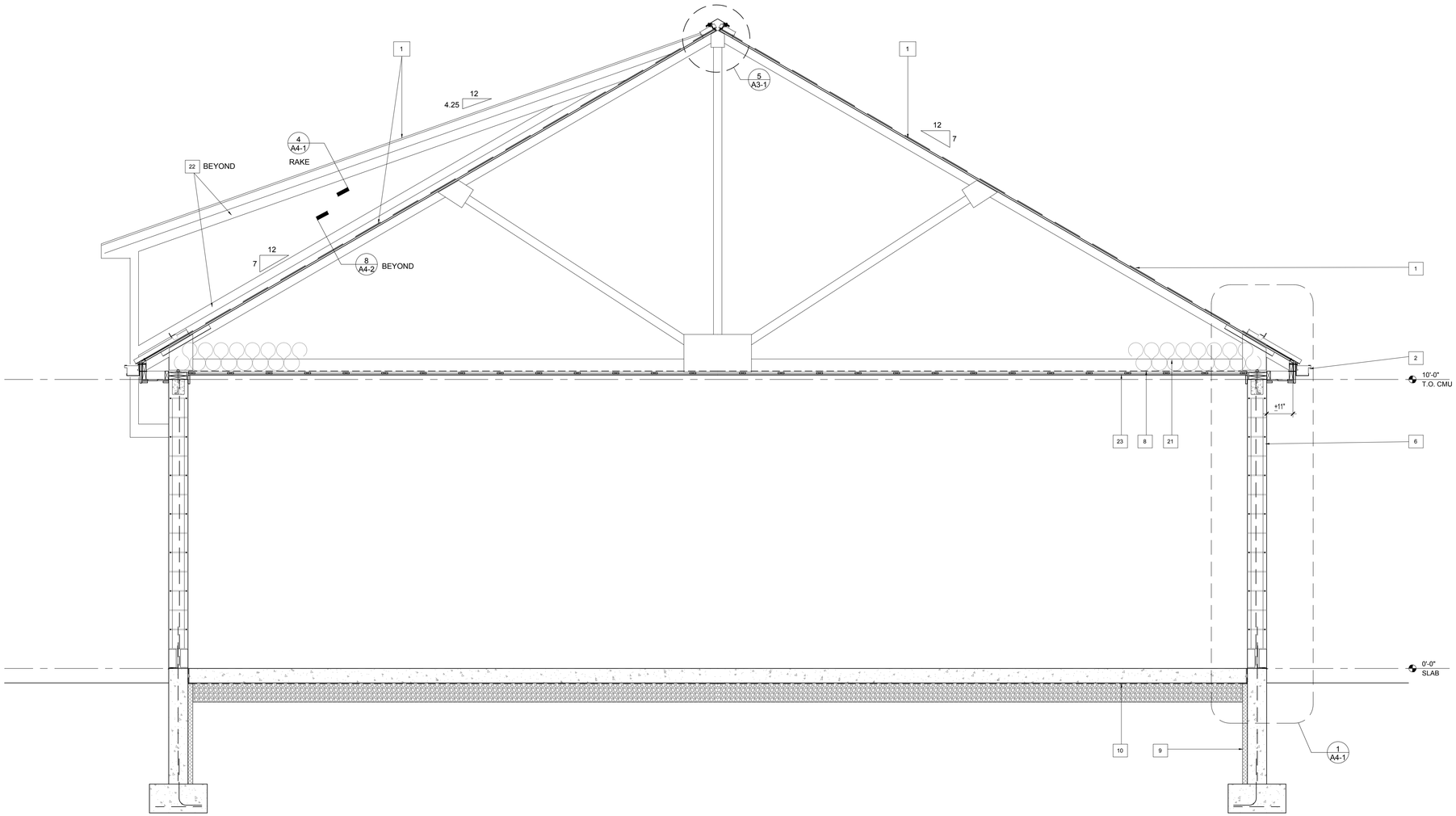
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DRAWING NAME:
EXTERIOR ELEVATIONS

A2-2



1 A3-1 BUILDING SECTION
1/2" = 1'-0"

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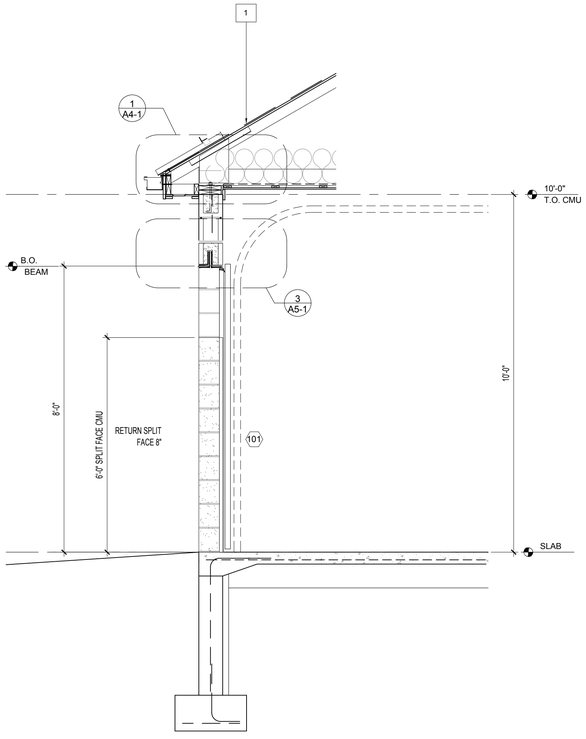
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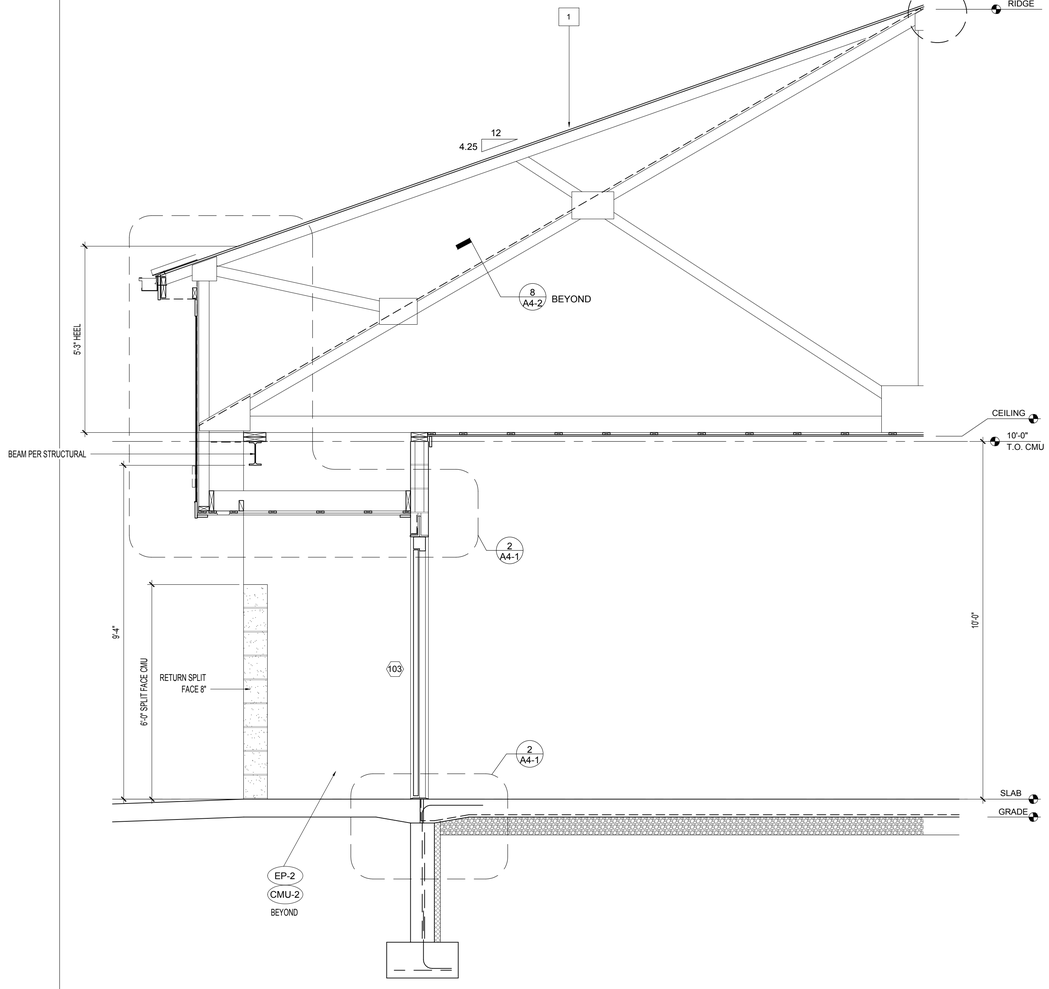
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DRAWING NAME:
BUILDING SECTIONS

A3-1



2 A3-2 WALL SECTION - ROLLING DOOR
1/2" = 1'-0"



1 A3-2 WALL SECTION
1/2" = 1'-0"

ELEVATION SECTION & DETAIL KEY NOTES

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3. PRE-FINISHED METAL GUTTER
4. PRE-FINISHED METAL RAIN LEADER / PVC BOOT . SEE CIVIL FOR CONTINUATION
5. MASONRY CONTROL JOINT
6. METAL ROOF COPING
7. 8" CONCRETE MASONRY UNITS - SEE S-DRAWINGS FOR REINFORCEMENT.
   - 7.1. INSULATE HOLLOW CORES
   - 7.2. AIR BARRIER: PAINT INTERIOR (2) COATS LATEX PAINT. SEE PAINT NOTES
   - 7.3. DBL 4" BLOCK STARTER COURSE
8. CONCRETE SLAB AT DOOR LANDING
9. 10 MIL POLY VAPOR BARRIER ABOVE CEILING - .01 PERM. LAP/TAPE/SEAL ALL JOINTS AND AROUND ALL PENETRATIONS
10. FOUNDATION PERIMETER INSULATION - 2" CLOSED CELL RIGID INSULATION. EXTEND VERTICALLY TO TOP OF FOOTING.
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20. SNOW GUARD - PAC CLAD - SEE MATERIALS SCHEDULE
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   - 24.2. WET AREAS (INCLUDES SHOWERS, TOILET ROOMS, RESTROOMS, AND CONCESSION AREA) - 5/8" M.R. SHEATHING HIGH-IMPACT, FIBERGLASS REINFORCED - TAPE AND COMPOUND JOINTS. EPOXY PAINT FINISH
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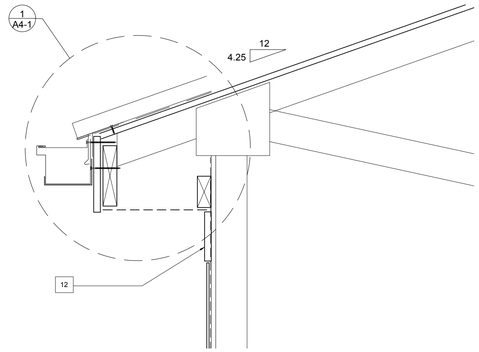
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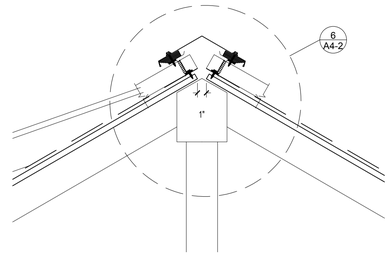
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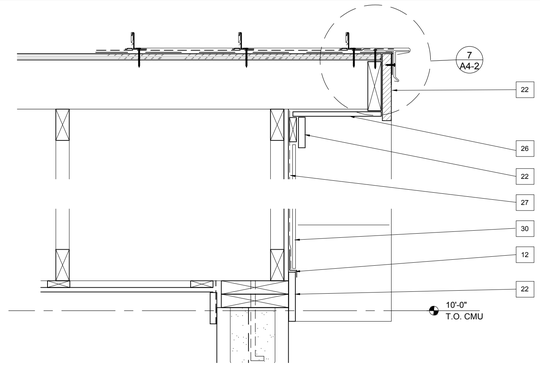
DRAWING NAME:
BUILDING SECTIONS

A3-2

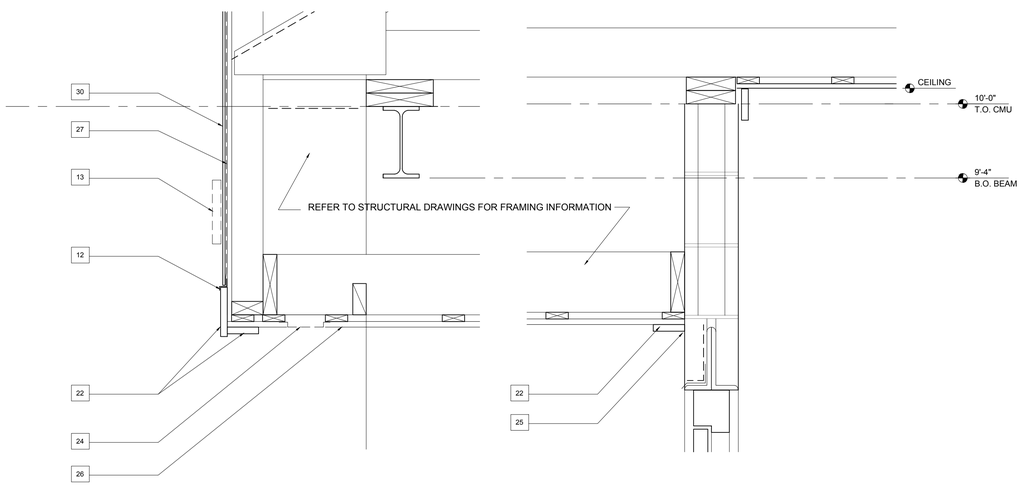




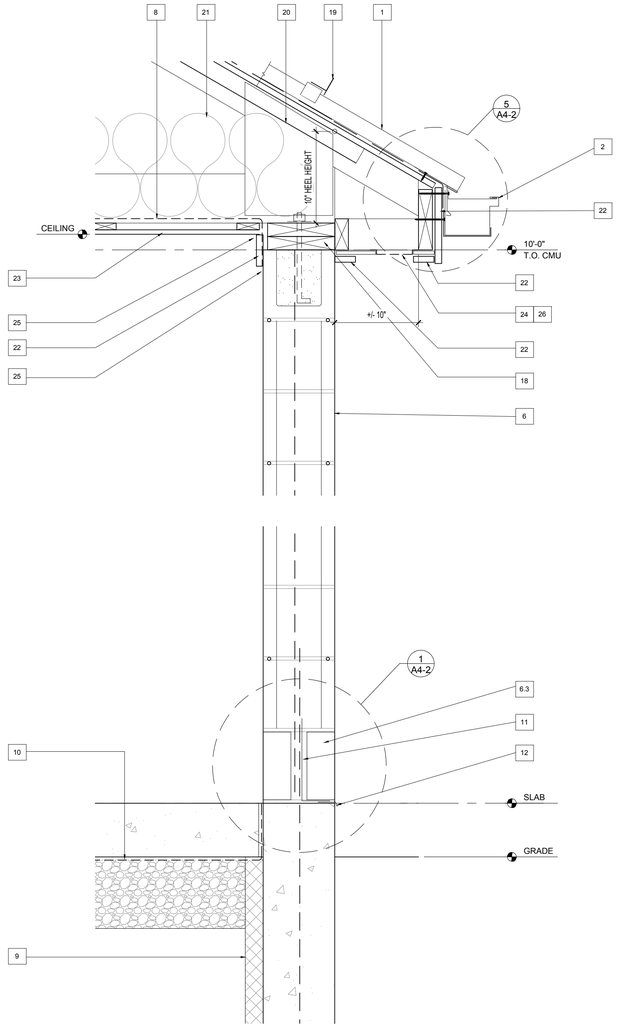
3 A4-1 RIDGE VENT
1-1/2" = 1'-0"



4 A4-1 RAKE DETAIL- GABLE
1-1/2" = 1'-0"



2 A4-1 SECTION DETAIL - ENTRANCE
1-1/2" = 1'-0"



1 A4-1 SECTION DETAIL- EXTERIOR WALL
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28.	DRAINABLE AIR INFILTRATION BARRIER - TYVEK "DRAINWRAP"
29.	DOOR THRESHOLD SET IN BED OF SEALANT
30.	3" PERIMETER VINYL WEATHERSTRIP SET IN BED OF SEALANT
31.	EXTERIOR SIDING - CEMENTITIOUS PANELS
32.	PVC BATTENS
33.	THROUGH-WALL EXHAUST FAN SHROUD
34.	LIGHT FIXTURE - SEE ELECTRICAL DWGS.
35.	PRE-FABRICATED, PRE-FINISHED METAL COPING / DRIP EDGE - ATLAS INT'L
36.	2" SQUARE T.S. POST AND RAIL WITH 1/2" BALUSTERS @ 4" O.C.. GALV. PAINT FINISH. SUBMIT SHOP DRAWINGS.
37.	PVC MEMBRANE ROOFING SYSTEM - SEE SPECIFICATION
38.	PERFORATED MARINE DECK PLANK - THRU FLOW "IMPACT" SERIES. SEE FINISHES LEGEND

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PLAN • CONSIDERATE • RESPONSIVE 21ST CENTURY SCHOOLS

NEW FIELD HOUSE

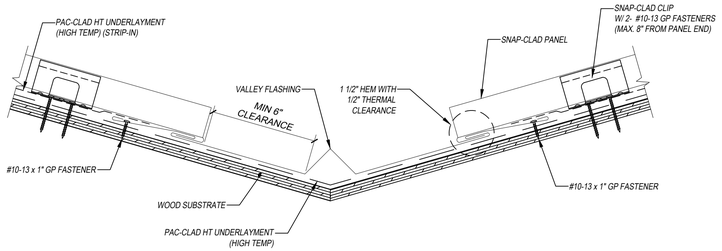
GLEDHILL ATHLETIC FIELD
BURRILLVILLE HIGH SCHOOL
425 EAST AVENUE
BURRILLVILLE, RHODE ISLAND

DRAWN BY: PAC
DATE: MAR 4, 2024
REVISIONS:
7/30/24: S- & A- PERMIT ISSUE
2/10/26 - CORE AND SHELL PRELIM
4/10/26 - CORE & SHELL BID ISSUE
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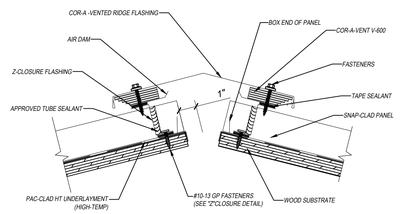
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DRAWING NAME:
BUILDING DETAILS

A4-1

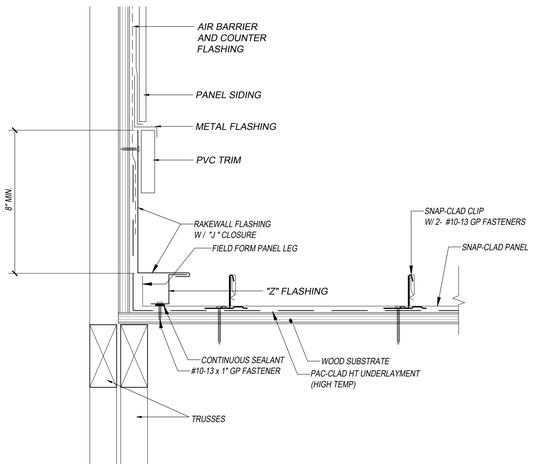


9 A4-2 VALLEY
NO SCALE

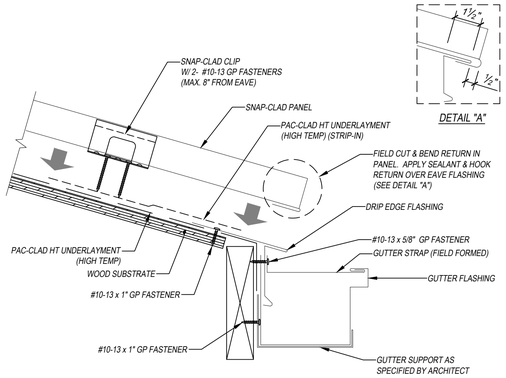


6 A4-2 RIDGE VENT
NO SCALE

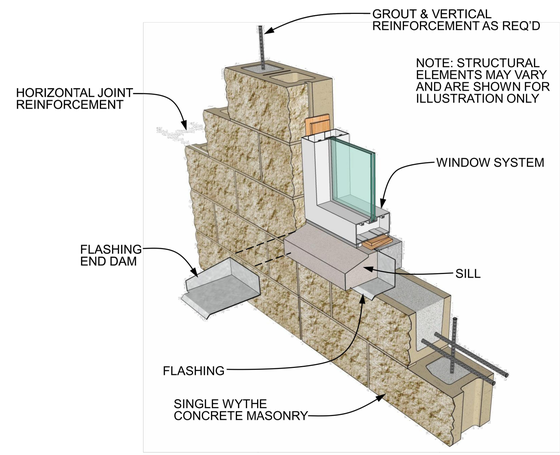
3 A4-2 NOT USED
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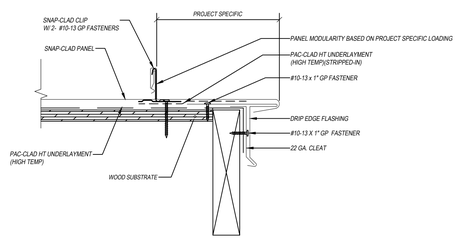
8 A4-2 RAKE WALL
NO SCALE



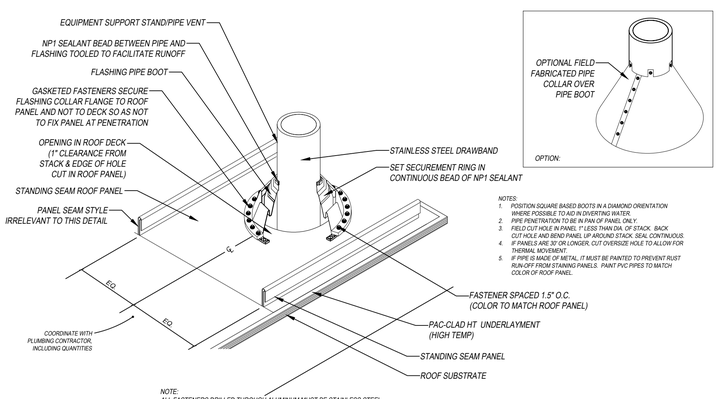
5 A4-2 GUTTER
NO SCALE



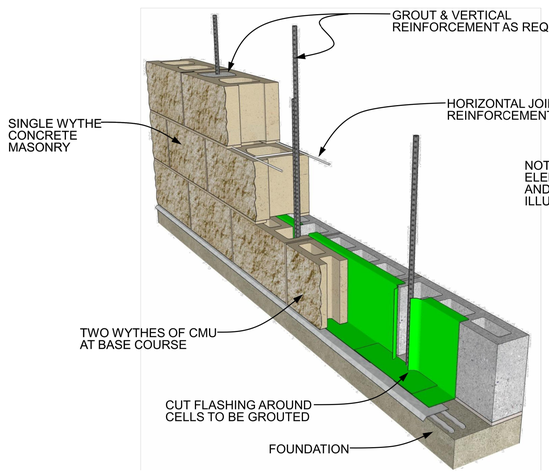
2 A4-2 CMU WINDOW SILL FLASHING
NO SCALE



7 A4-2 RAKE EDGE
NO SCALE



4 A4-2 PIPE PENETRATION
NO SCALE



1 A4-2 CMU BASE FLASHING
NO SCALE

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DETAILS

A4-2

HARDWARE SCHEDULE

SET NO.	DOORS	HARDWARE
HW-1	EXTERIOR	• 1-1 / 2 PR. 5 KNUCKLE BB HEAVY DUTY HINGES, TAMPER RESISTANT • EXTERIOR MORTISED LOCKSET WITH DEAD BOLT • CLOSER WITH 90deg HOLD OPEN, PARALLEL ARM. MOUNT ON INTERIOR SIDE • ALUM. THRESHOLD • WEATHERSTRIP
HW-2	INTERIOR/ EXTERIOR	• 1-1 / 2 PR. 5 KNUCKLE BB HEAVY DUTY HINGES • CLOSER, PARALLEL ARM (INSTALL ON INTERIOR SIDE OF EXTERIOR DOORS) • DEADBOLT (RESTROOM BUILDING DOORS 401, 402) • PUSH PLATE • PULL HANDLE • WALL STOP • FLOOR HOLD-OPEN • 3 SILENCERS
HW-3	COACH ROOMS	• 1-1 / 2 PR. 5 KNUCKLE BB HEAVY DUTY HINGES • 1 CYLINDRICAL LOCKSET (PRIVACY FUNCTION) • 1 WALL / FLOOR STOP • 3 SILENCERS
HW-4	STORAGE / MECH ROOMS	• 1-1 / 2 PR. 5 KNUCKLE BB HEAVY DUTY HINGES • 1 CYLINDRICAL LOCKSET (STOREROOM FUNCTION) • 1 WALL STOP • 3 SILENCERS

DOOR HARDWARE NOTES:

1. BASIS OF DESIGN:
   - LOCKSETS: GRADE 1, SCHLAGE L SERIES VANDLGARD (MORTISE), ND SERIES (CYLINDRICAL)
   - CLOSERS: CLN 4040XP-SHCUSH WITH EXTRA-HEAVY DUTY HOLD-OPEN PARALLEL ARM
2. FINISH TO BE US32D (BRUSHED STAINLESS STEEL)
3. MASTER KEYED PER OWNER'S REQUIREMENTS.
4. SUBMIT KEYING SCHEDULE TO OWNER FOR REVIEW AND APPROVAL PRIOR TO ORDERING.
5. ALL DOOR HARDWARE TO BE ADA / ANSI A117.1 COMPLIANT.

DOOR & FRAME SCHEDULE - FIELD HOUSE

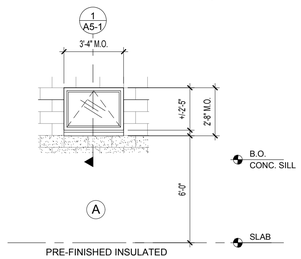
NO.	DOOR TYP	DOOR SIZE	DOOR MAT	DOOR LABEL	DOOR FINISH PUSH	DOOR FINISH PULL	FRAME TYP	FRAME MAT.	FRAME LABEL	FRAME FINISH PUSH	FRAME FINISH PULL	HDWRE SET	DETAILS	REMARKS
101	A	8X8	STEEL											INSULATED RIBBED STEEL PRE-FINISHED, MOTORIZED - CLOPEY #525S
102	B	3 X 7	HM INSUL		P	P		HM INSUL		P	P	HW-1		
103	B	3 X 7	HM INSUL		P	P		HM INSUL		P	P	HW-1		
104	B	3 X 7	HM INSUL		P	P		HM INSUL		P	P	HW-1		
105	B	3 X 7	HM INSUL		P	P		HM INSUL		P	P	HW-1		

DOOR / FRAME NOTES:
1. SUBMIT PRODUCT DATA / SHOP DRAWINGS, AND FINISH SAMPLES TO ARCHITECT FOR REVIEW AND APPROVAL
2. INTERIOR DOOR FRAMES TO BE METAL, FACTORY PRIMED WITH WELDED MITRED CORNERS.
3. EXTERIOR DOOR FRAMES SHALL BE GALVANIZED METAL, FACTORY PRIMED, WITH WELDED MITRED CORNERS.
4. EXTERIOR METAL DOORS AND FRAMES TO BE INSULATED AND GALVANIZED. METAL STIFFENED, POLYSTYRENE OR URETHANE CORE.
5. EXTERIOR OVERHEAD DOORS BASED ON CLOPEY INDUSTRIAL SERIES PREFINISHED RIBBED STEEL DOORS, MODEL 525S, HEAVY DUTY HARDWARE, MOTORIZED. R-VALUE 6.6, INTERIOR SECURITY LOCK BOTH JAMBS, HEAD & JAMB SEALS.. COLOR TO BE SELECTED BY ARCHITECT FROM MFRS STANDARD..

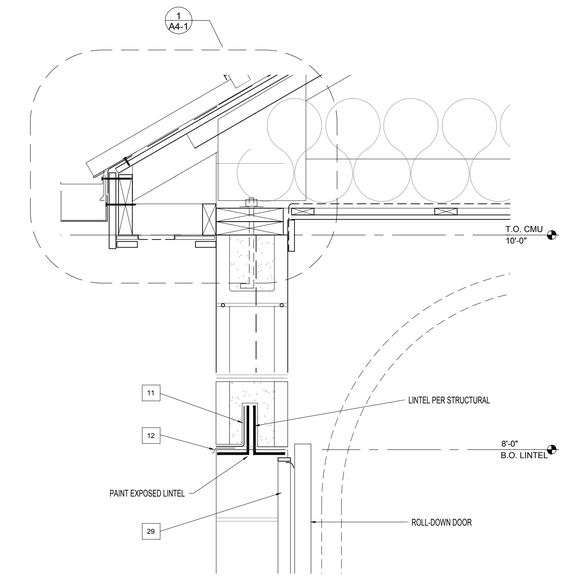


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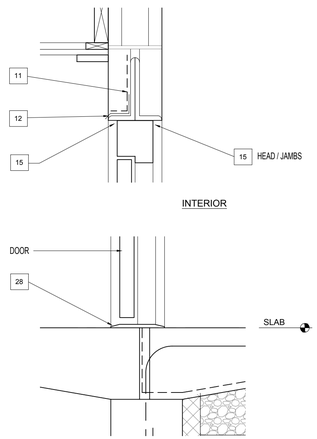
DOOR TYPES
1/4" = 1'-0"



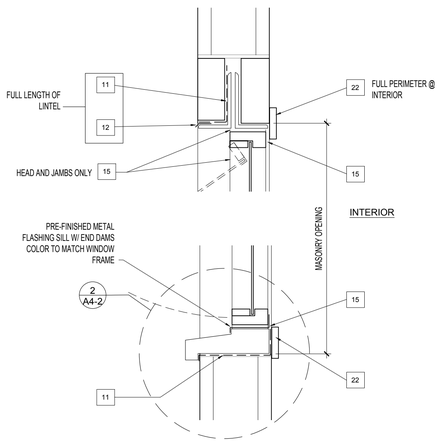
WINDOW TYPES
1/4" = 1'-0"



3 A51 ROLLING DOOR HEAD
1-1/2" = 1'-0"



2 A5-1 DOOR HEAD / THRESHOLD
1-1/2" = 1'-0"



1 A5-1 WINDOW HEAD / SILL
1-1/2" = 1'-0"

ELEVATION SECTION & DETAIL KEY NOTES

2. PRE-FINISHED STANDING SEAM METAL ROOF -PAC CLAD "SNAPCLAD" SYSTEM. SUBMIT COLORS TO OWNER FOR FINAL APPROVAL
   2.1. DEDUCT ALTERNATE - LIFETIME ARCHITECTURAL ASPHALT IMPREGNATED SHINGLES. GAF "TIMMBERLINE HDZ" HIGH DEFINITION SHINGLES.
3. PRE-FINISHED METAL GUTTER
4. PRE-FINISHED METAL RAIN LEADER / PVC BOOT . SEE CIVIL FOR CONTINUATION
5. MASONRY CONTROL JOINT
6. METAL ROOF COPING
7. 8" CONCRETE MASONRY UNITS - SEE S-DRAWINGS FOR REINFORCEMENT.
   7.1. INSULATE HOLLOW CORES:
   7.2. AIR BARRIER: PAINT INTERIOR (2) COATS LATEX PAINT. SEE PAINT NOTES.
   7.3. DBL 4" BLOCK STARTER COURSE
8. CONCRETE SLAB AT DOOR LANDING
9. 10 MIL POLY VAPOR BARRIER ABOVE CEILING - .01 PERM. LAP/TAPE/SEAL ALL JOINTS AND AROUND ALL PENETRATIONS
10. FOUNDATION PERIMETER INSULATION - 2" CLOSED CELL RIGID INSULATION. EXTEND VERTICALLY TO TOP OF FOOTING.
11. VAPOR BARRIER(-.01 PERM) BELOW CONCRETE SLAB - 15 MIL MULTI-LAYER PLASTIC EXTRUSION. "STEGO-WRAP" OR EQUAL
12. THRU-WALL MEMBRANE FLASHING- SEAL PENETRATIONS THROUGH REINFORCING BARS - SEE DETAIL AND SPECIFICATIONS
13. EXPOSED ALUM DRIP EDGE SET IN BED OF SEALANT
14. APPLIED ALUMINUM LETTERS - PRE-FINISHED PAINT COLOR
15. APPLIED VINYL SCHOOL LOGO
16. SEALANT (BACKER ROD WHERE DEPTH EXCEEDS 3/8")
17. ACCESSIBLE RESTROOM SIGN - SEE ACCESSORY SCHEDULE
18. 6" CONCRETE MASONRY UNITS - PAINT FINISH. SEE STRUCTURAL FOR ADDITIONAL INFORMATION
19. DOUBLE 2X8 P.T. TOP PLATE. SEE S-DWGS
20. SNOW GUARD - PAC CLAD - SEE MATERIALS SCHEDULE
21. 1" BAFFLE BETWEEN TRUSSES AT EAVE
22. R-49 KRAFT-FACED FIBERGLASS BATT INSULATION BETWEEN BOTTOM CHORD OF TRUSSES
23. 1X COMPOSITE TRIM - PAINT FINISH
24. CEILING SHEATHING OVER 1X FURRING AT 12" O.C. -
   24.1. 1/2" MDO PLYWOOD WITH 1-1/2" X 1/2" WD OR PVC BATTENS OVER JOINTS @ 4'-0" O.C. EACH WAY. PAINT FINISH. SEE REF. CLG PLAN.
   24.2. WET AREAS (INCLUDES SHOWERS, TOILET ROOMS, RESTROOMS, AND CONCESSION AREA) - 5/8" M.R. SHEATHING HIGH-IMPACT, FIBERGLASS REINFORCED - TAPE AND COMPOUND JOINTS. EPOXY PAINT FINISH
25. CONTINUOUS 4" VINYL SOFFIT VENT - CLARK DEIETRICH
26. CONTINUOUS RIDGE VENT - PAC CLAD
27. 1/2" MDO PLYWOOD SOFFIT - 3/8" W SEALANT / BACKER ROD BETWEEN JOINTS. PAINT FINISH
28. DRAINABLE AIR INFILTRATION BARRIER - TYVEK "DRAINWRAP"
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DRAWING NAME:
DOORS AND WINDOWS

A5-1

PAINTING NOTES

1. SUBMITTALS

   PRODUCT DATA: PROVIDE A COMPLETE LIST OF ALL PRODUCTS TO BE USED, WITH THE FOLLOWING INFORMATION FOR EACH:

   MANUFACTURER'S NAME, PRODUCT NAME AND/OR CATALOG NUMBER, AND GENERAL PRODUCT CATEGORY.

   MANUFACTURER'S INSTRUCTIONS: INDICATE SPECIAL SURFACE PREPARATION PROCEDURES.

   MAINTENANCE DATA: SUBMIT DATA ON CLEANING, TOUCH-UP, AND REPAIR OF PAINTED AND COATED SURFACES.

   SAMPLES: SUBMIT THREE PAPER SAMPLES, 5 INCHES BY 7 INCHES (127MM X 178MM) IN SIZE, ILLUSTRATING SELECTED COLORS FOR EACH COLOR AND SYSTEM SELECTED WITH SPECIFIED COATS CASCADED.

2. MANUFACTURER QUALIFICATIONS: A SINGLE MANUFACTURER WITH A MINIMUM OF TEN (10) YEARS EXPERIENCE WILL SUPPLY ALL PRIMARY PRODUCTS SPECIFIED IN THIS SECTION. ACCEPTABLE MANUFACTURERS: BENJAMIN MOORE & CO., SHERWIN WILLIAMS, PRATT & LAMBERT, OR APPROVED EQUAL.

3. MAINTAIN ENVIRONMENTAL CONDITIONS (TEMPERATURE, HUMIDITY, AND VENTILATION) WITHIN LIMITS RECOMMENDED BY MANUFACTURER FOR OPTIMUM RESULTS. DO NOT INSTALL PRODUCTS UNDER ENVIRONMENTAL CONDITIONS OUTSIDE MANUFACTURER'S ABSOLUTE LIMITS.

4. AT PROJECT CLOSEOUT, PROVIDE TO THE OWNER OR OWNER'S REPRESENTATIVE AN EXECUTED COPY OF THE MANUFACTURER'S STANDARD FORM OUTLINING THE TERMS AND CONDITIONS OF AND ANY EXCLUSIONS TO THEIR LIMITED WARRANTY AGAINST INSTALLATION AND/OR PRODUCT DEFECT.

5. AT PROJECT CLOSEOUT, PROVIDE THE COLOR MIXTURE NAME AND CODE TO THE OWNER OR OWNER'S REPRESENTATIVE FOR ACCURATE FUTURE COLOR MATCHING.

6. VOLATILE ORGANIC COMPOUND (VOC) CONTENT: ALL PAINTS AND COATINGS USED MUST MEET THE VOC LIMITS OF GREEN SEAL STANDARD GS-11:

   INTERIOR: 50 G/L VOC OR LESS FOR FLATS AND 150 G/L VOC FOR NON FLATS.

   EXTERIOR: 100 G/L VOC FOR FLATS AND 200 G/L VOC OR LESS FOR NON FLATS.

7. PROVIDE MATERIALS THAT ARE COMPATIBLE WITH ONE ANOTHER AND THE SUBSTRATES INDICATED UNDER CONDITIONS OF SERVICE AND APPLICATION, AS DEMONSTRATED BY MANUFACTURER BASED ON TESTING AND FIELD EXPERIENCE.

8. THE FOLLOWING TERMS ARE USED TO DESCRIBE SHEENS OR GLOSSES, AS MEASURED BY A GLOSS METER FROM A 60 DEGREE ANGLE FROM VERTICAL, AS A PERCENTAGE OF THE AMOUNT OF LIGHT THAT IS REFLECTED:

   FLAT - LESS THAN 5 UNITS.

   MATTE - 0 - 10 UNITS.

   EGGSHELL - 10 - 25 UNITS.

   SATIN / SOFT / MEDIUM-GLOSS - 20 - 35 UNITS.

   SEMI-GLOSS - 35 - 70 UNITS.

   GLOSS - 70 - 85 UNITS.

9. MIXING AND TINTING: EXCEPT WHERE SPECIFICALLY NOTED IN THIS SECTION, ALL PAINT SHALL BE READY-MIXED AND PRE-TINTED. AGITATE ALL PAINT PRIOR TO AND DURING APPLICATION TO ENSURE UNIFORM COLOR, GLOSS, AND CONSISTENCY. THINNER ADDITION SHALL NOT EXCEED MANUFACTURER'S PRINTED RECOMMENDATIONS. DO NOT USE KEROSENE OR OTHER ORGANIC SOLVENTS TO THIN WATER-BASED PAINTS. WHERE PAINT IS TO BE SPRAYED, THIN ACCORDING TO MANUFACTURER'S CURRENT GUIDELINES.

10. PAINT SYSTEMS:

    EXTERIOR PRIMERS -

    FERROUS, GALVANIZED METALS: ONE (1) COAT - ACRYLIC METAL PRIMER

    WOOD SURFACES: ONE (1) COAT - EXTERIOR ACRYLIC LATEX PRIMER

    INTERIOR PRIMERS -

    WOOD: ONE (1) COAT - INTERIOR LATEX ACRYLIC PRIMER

    FERROUS METALS: ONE (1) COAT - ACRYLIC METAL PRIMER

    GYPSUM BOARD, PLASTER: ONE (1) COAT - ALL PURPOSE ACRYLIC PRIMER SEALER

    EXTERIOR FINISH COATS

    FLAT FINISH: TWO (2) COATS - ACRYLIC FLAT LATEX HOUSE PAINT

    SATIN / SOFT / MEDIUM-GLOSS FINISH: TWO (2) COATS - SOFT GLOSS LATEX HOUSE & TRIM PAINT

    SEMI-GLOSS FINISH: TWO (2) COATS - ACRYLIC LATEX SEMI - GLOSS

    HIGH GLOSS FINISH: TWO (2) COATS - LATEX HIGH GLOSS METAL & WOOD ENAMEL

    INTERIOR FINISH COATS -

    FLAT FINISH: TWO (2) COATS - INTERIOR FLAT FINISH

    EGGSHELL FINISH: TWO (2) COATS -INTERIOR EGGSHELL FINISH

    SATIN/SEMI-GLOSS FINISH: TWO (2) COATS -INTERIOR SEMI-GLOSS FINISH

    HIGH GLOSS FINISH: TWO (2) COATS - INTERIOR ACRYLIC GLOSS ENAMEL

11. PREPARATION: CLEAN SURFACES THOROUGHLY PRIOR TO COATING APPLICATION. DO NOT START WORK UNTIL SURFACES TO BE FINISHED ARE IN PROPER CONDITION TO PRODUCE FINISHED SURFACES OF UNIFORM, SATISFACTORY APPEARANCE. STAINS AND MARKS: REMOVE COMPLETELY, IF POSSIBLE, USING MATERIALS AND METHODS RECOMMENDED BY COATING MANUFACTURER; COVER STAINS AND MARKS WHICH CANNOT BE COMPLETELY REMOVED WITH ISOLATING PRIMER OR SEALER RECOMMENDED BY COATING MANUFACTURER TO PREVENT BLEED-THROUGH. REMOVE MILDEW, ALGAE, AND FUNGUS USING MATERIALS AND METHODS RECOMMENDED BY COATING MANUFACTURER REMOVE DUST AND LOOSE PARTICULATE MATTER FROM SURFACES TO RECEIVE COATINGS IMMEDIATELY PRIOR TO COATING APPLICATION. PROTECT ADJACENT SURFACES NOT INDICATED TO RECEIVE COATINGS. PREPARE SURFACES IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS FOR SPECIFIED COATINGS AND INDICATED MATERIALS, USING ONLY METHODS AND MATERIALS RECOMMENDED BY COATING MANUFACTURER.

- GYPSUM BOARD - REPAIR CRACKS, HOLES AND OTHER SURFACE DEFECTS WITH JOINT COMPOUND TO PRODUCE SURFACE FLUSH WITH ADJACENT SURFACES.
- METALS -
  - ALUMINUM, MILL-FINISH: CLEAN AND ETCH SURFACES WITH A PHOSPHORIC ACID-WATER SOLUTION OR WATER BASED INDUSTRIAL CLEANER. FLUSH WITH CLEAN WATER AND ALLOW TO DRY, BEFORE APPLYING PRIMER COAT.
  - FERROUS, SHOP-PRIMED: REMOVE LOOSE PRIMER AND RUST, IF PRESENT, BY SCRAPING AND SANDING, FEATHERING EDGES OF CLEANED AREAS TO PRODUCE UNIFORM FLAT SURFACE; SOLVENT-CLEAN SURFACES AND SPOT-PRIME BARE METAL WITH SPECIFIED PRIMER, FEATHERING EDGES TO PRODUCE UNIFORM FLAT SURFACE.
  - GALVANIZED STEEL, PASSIVATED: CLEAN WITH WATER-BASED INDUSTRIAL STRENGTH CLEANER. AFTER THE SURFACE HAS BEEN PREPARED, APPLY RECOMMENDED PRIMER TO A SMALL AREA. ALLOW PRIMER TO CURE FOR 7 DAYS, AND TEST ADHESION USING THE "CROSS-HATCH ADHESION TAPE TEST" METHOD IN ACCORDANCE WITH ASTM D 3359. IF THE ADHESION OF THE PRIMER IS POSITIVE, PROCEED WITH A RECOMMENDED COATING SYSTEM FOR GALVANIZED METAL.
  - STAINLESS STEEL: CLEAN SURFACES WITH PRESSURIZED STEAM, PRESSURIZED WATER, OR WATER-BASED INDUSTRIAL CLEANER.
- POLYVINYL CHLORIDE (PVC) PIPE: REMOVE CONTAMINANTS AND MARKINGS WITH DENATURED ALCOHOL SCUFF SAND AND WIPE WITH SOLVENT FOR MAXIMUM ADHESION. TEST ADHESION BEFORE STARTING THE JOB.
- WOOD: SEAL KNOTS, PITCH STREAKS, AND SAP AREAS WITH SEALER RECOMMENDED BY COATING MANUFACTURER; FILL NAIL RECESSES AND CRACKS WITH FILLER RECOMMENDED BY COATING MANUFACTURER; SAND SURFACES SMOOTH. APPLY PRIMER COAT TO BACK OF WOOD TRIM AND PANELING.
- SYNTHETIC EXTERIOR TRIM: FILL NAIL AND SCREW HOLES WITH ACRYLIC CAULK, WOOD FILLER, OR AUTO BODY FILLER. REPAIR MINOR DAMAGES TO EXTERIOR SYNTHETIC TRIM IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND AS APPROVED BY ARCHITECT. PAINTING: APPLY TOP COAT TO EXTERIOR SYNTHETIC TRIM OVER FACTORY-APPLIED PRIMER WITHIN 150 DAYS OF INSTALLING TRIM.
- UNCOATED CONCRETE SLAB FLOORS. ALL SURFACE DEFECTS SHALL BE REPAIRED AND SURFACES SHALL BE CURED A MINIMUM OF 30 DAYS. FLOOR SHALL BE CLEANED WITH ETCHING SOLUTION, RUST-OLEUM SURFA-ETCH 108 (RUST-OLEUM PAINT SYSTEM ONLY) , AND THEN THOROUGHLY RINSED WITH WATER.
  - THE PRIME COAT, KOPPERS 200 HB EPOXY OR RUST-OLEUM SERIES 9300, SHALL BE APPLIED TO THOROUGHLY DRY SURFACES (4 DAYS MINIMUM DRYING TIME) AFTER IT HAS BEEN THINNED APPROXIMATELY 25% WITH THINNER, KOPPERS 10,000 OR RUST-OLEUM 160.
  - THE FINISH COAT, KOPPERS 200 HB EPOXY OR RUST-OLEUM SERIES 9300 WITH 1½ POUNDS PUMICE PERGALLON, SHALL BE APPLIED IN THE COLOR SPECIFIED AND IN SUFFICIENT QUANTITY TO ACHIEVE SPECIFIEDTHICKNESS
- UNCOATED REINFORCED CONCRETE WALLS. ALL SURFACE DEFECTS SHALL BE REPAIRED AND SURFACES SHALL BE CURED A MINIMUM OF SEVEN (7) DAYS THEREAFTER. SURFACES SHALL BE CLEANED WITH STEAM OR WITH A COMMERCIAL CLEANER TO REMOVE ALL GREASE, OIL, AND CHEMICAL RESIDUES AND THEN THOROUGHLY RINSED WITH WATER.
  - THE PRIME COAT, KOPPERS BLOCK SEALER, RUST-OLEUM SERIES 5199, FSC-SEALKREET, OR FRAZEE ACRYLIC
  - BLOCK FILLER #262, SHALL BE APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
  - THE FINISH COAT, KOPPERS 200 HB EPOXY, RUST-OLEUM SERIES 9300, OR FRAZEE DURATEC #202, SHALL BEAPPLIED IN THE COLOR SPECIFIED AND IN SUFFICIENT QUANTITY TO ACHIEVE SPECIFIED THICKNESS. MINIMUM DRYING TIME BETWEEN PRIME COAT AND FINISH COAT SHALL CONFORM TO THE MANUFACTURER'S RECOMMENDATIONS.

12. RE-PREPARE AND RE-COAT UNSATISFACTORY FINISHES; REFINISH ENTIRE AREA TO CORNERS OR OTHER NATURAL TERMINATIONS. REPAIR TO ARCHITECT'S ACCEPTANCE COATINGS DAMAGED BY SUBSEQUENT CONSTRUCTION ACTIVITIES. WHERE REPAIRS CANNOT BE MADE TO ARCHITECT'S ACCEPTANCE, RE-APPLY FINISH COATING TO NEAREST ADJACENT CHANGE OF SURFACE PLANE, IN BOTH HORIZONTAL AND VERTICAL DIRECTIONS.

FINISH / MATERIALS LEGEND

FINISH NO.	DESCRIPTION	MANUFACTURER	MFR'S NUMBER	COLOR	FINISH	SIZE	REMARKS
INTERIOR PAINT FINISHES AND MATERIALS — REFER TO PAINTING NOTES							
BF-1	BLOCK FILLER	SHERWIN WILLIAMS	B42W00150				
P-1	ACRYLIC LATEX PAINT	SHERWIN WILLIAMS			SEMI GLOSS		DOORS, FRAMES, AND MISC. TRIM
P-2	ACRYLIC LATEX PAINT	SHERWIN WILLIAMS			EGGSHELL		PLYWOOD CEILINGS
P-3	ACRYLIC PAINT (WALLS)	SHERWIN WILLIAMS			SEMI GLOSS		CMU WALLS
P-4	ACRYLIC PAINT (WALLS)	SHERWIN WILLIAMS			SEMI GLOSS		CMU WALLS
X-1	EPOXY PAINT (FLOORS)	BASIS OF DESIGN: DUR-A-FLEX	POLY-CRETE SLB	FROM MFR'S STANDARD	MATTE	3/16" THK	• CONCRETE SURFACE PROFILE OF 3-5 • PRIMER: POLY-CRETE TF PLUS • BODY COAT: POLY-CRETE MD • QUARTZ BROADCAST: FLINTSHOT OR Q-RON QUARTZ AGGREGATE • TOPCOAT: CLEAR
X-2	EPOXY PAINT (WALLS)	SHERWIN WILLIAMS			SEMI GLOSS		SHOWER - CMU WALLS
X-3	EPOXY PAINT (WALLS)	SHERWIN WILLIAMS			SEMI GLOSS		CONCESSION - CMU WALLS
FRP	FIBERGLASS REINFORCED PANELS	MARLITE OR EQUAL		WHITE	SMOOTH		
INTERIOR MILLWORK FINISHES							
PL-1	PLASTIC LAMINATE	NEVAMAR OR EQUAL					COUNTER TOPS - PROVIDE HIGH WEAR FINISH.
PL-2	PLASTIC LAMINATE	NEVEMAR OR EQUAL					COUNTER BASES
EXTERIOR FINISHES / MATERIALS							
CD-1	DRAINABLE MARINE COMPOSITE DECK	THRU-FLOW	IMPACT SERIES	GRAY		1.2" X 12 X 48	
CMU-1	EXTERIOR CONCRETE MASONRY UNIT	NITTERHOUSE OR APPROVED EQUAL	J-51	BROWN	SPLIT FACE	8W X 8 X 16	MORTAR COLOR TO MATCH BLOCK COLOR. SUBMIT SAMPLE TO OWNER FOR FINAL APPROVAL PRIOR TO ORDER
CMU-2	EXTERIOR CONCRETE MASONRY UNIT	NITTERHOUSE OR EQUAL	NM-141	TAN	SPLIT FACE	8W X 8 X 16	MORTAR COLOR TO MATCH BLOCK COLOR. SUBMIT SAMPLE TO OWNER FOR FINAL APPROVAL PRIOR TO ORDER
CMU-3	INTERIOR CONCRETE MASONRY UNIT	NITTERHOUSE OR EQUAL			STANDARD	6W X 8 X 16	
CS-1	CEMENTITIOUS COMPOSITE SIDING	JAMES HARDIE HARDIESHINGLE	STRAIGHT EDGE PANELS		SMOOTH	1/4"	
EXT-1	EXTERIOR SYNTHETIC TRIM	BORAL INDUSTRIES TRUEXTERIOR			SMOOTH	**	**SIZES AS INDICATED ON DRAWINGS www.boralltruexterior.com
RF-1	PRE-FINISHED METAL ROOF PANELS	PETERSON ALUMINUM	SNAP CLAD	AWARD BLUE	SMOOTH	12" STANDING SEAMS	SEE DEDUCT ALTERNATE 1 TO FURNISH AND INSTALL FIBERGLASS REINFORCED ASPHALT SHINGLES
RF-2 (ALT)	FIBERGLAS REINFORCED ASPHALT ROOF SHINGLES	CERTAINTEED	LANDMARK SOLARIS	TBD			DEDUCT ALTERNATE 1
RF-3	PVC KEE MEMBRANE ROOF	GAF (BASIS OF DESIGN)	EVERGUARD PVC KEE	WHITE	SMOOTH	50 MIL TH	FABRIC BACKED, FULLY ADHERED. SEE SPECIFICIATIONS. FOR INCREASED GREASE AND ANIMAL FAT PROTECTION
EP-1	EXTERIOR PAINT	SHERWIN WILLIAMS			SEMI-GLOSS		EXTERIOR DOORS, FRAMES
EP-2	EXTERIOR PAINT	SHERWIN WILLIAMS			SEMI-GLOSS		EXTERIOR TRIM SUBMIT COLOR SAMPLE
EP-3	EXTERIOR SOLID COLOR STAIN	SHERWIN WILLIAMS			FLAT		EXTERIOR CMU ACCENT WALLS
EP-4	EXTERIOR SOLID COLOR STAIN	SHERWIN WILLIAMS			FLAT		EXTERIOR CMU ACCENT WALLS
M-1	SNOW GUARD CLAMP SYSTEM	PAC CLAD	COLOR GUARD	MATCH ROOF			
M-2	APPLIED ALUMINUM LETTERS	BY CONTRACTOR		PRE-FINISHED	FLAT	1/8" THICK	FONT: FUTURA BOLD. FLUSH STUD MOUNT. SUBMIT FINISHED SAMPLES FOR APPROVAL
FINISH NO.	DESCRIPTION	MANUFACTURER	MFR'S NUMBER	COLOR	FINISH	SIZE	REMARKS

FINISH NOTES

1. PROVIDE PRIMERS AND UNDERCOATS BY THE SAME MANUFACTURER OF THE FINISH COAT. USE ONLY THINNERS APPROVED BY THE PAINT MANUFACTURER. USE ONLY WITHIN RECOMMENDED LIMITS. REFER TO PAINTING NOTES
2. ALL FINISHES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
3. FOR WALLS SCHEDULED TO RECEIVE PAINT FINISH, PROVIDE LEVEL 4 GYPSUM BOARD FINISH IN ACCORDANCE WITH GYPSUM ASSOCIATION PUBLICATION GA-214-96 "RECOMMENDED LEVELS OF GYPSUM BOARD FINISH"
4. PROVIDE SEALANT AT LOCATIONS INDICATED IN "GENERAL NOTES"
5. SUBMIT ONE (1) SAMPLE AND TWO (2) COPIES OF PRODUCT SPECIFICATION DATA ON ALL SPECIFIED FINISHES FOR ARCHITECT'S AND OWNER'S RECORD.
6. SUBSTITUTIONS SHALL NOT BE SUBMITTED DURING THE REVIEW PROCESS. SEE "GENERAL NOTES"
7. TOILET ROOM FINISHES -
   - 7.1. BATHING AND SHOWER ROOM FLOOR MATERIALS SHALL HAVE A SMOOTH, HARD, NONABSORBANT SURFACE. THE INTERSECTION OF SUCH FLOORS WITH WALLS SHALL HAVE A SMOOTH, HARD, NONABSORBANT VERTICAL BASE THAT EXTENDS UPWARD ONTO THE WALL 4" MINIMUM.
   - 7.2. WALLS AND PARTITIONS WITHIN 2 FEET OF SERVICES SINKS, URINALS, AND WATER CLOSETS SHALL HAVE A SMOOTH, HARD, NONABSORBANT SURFACE TO A HEIGHT OF NOT LESS THAN 4 FEET ABOVE THE FLOOR.

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BURRILLVILLE, RHODE ISLAND

DRAWN BY: PAC
DATE: MAR 4, 2024
REVISIONS:
7/30/24: S- & A- PERMIT ISSUE
2/10/26 - CORE AND SHELL PRELIM
4/10/26 - CORE & SHELL BID ISSUE
11/6/26 - UPDATED C&s BID

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DRAWING NAME:
FINISHES / MATERIALS, SPECIFICATIONS

A6-1

CONCRETE BLOCK SPECIFICATIONS

CONCRETE UNIT MASONRY

GENERAL

1. DESCRIPTION OF WORK

A. WORK INCLUDED: PROVIDE LABOR, MATERIALS AND EQUIPMENT NECESSARY TO COMPLETE THE WORK OF THIS

SECTION, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

1.1. STANDARD CONCRETE MASONRY UNITS.

1.2. ARCHITECTURAL SPLIT FACE CONCRETE MASONRY UNITS

2. SUBMITTALS

A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED

B. SAMPLES FOR VERIFICATION: SUBMIT THE FOLLOWING:

1.1. FOUR REPRESENTATIVE SAMPLES OF THE MASONRY UNITS SHOWING THE RANGE OF COLOR, TEXTURE, DIMENSION AND ANY SCORING, SIMILAR TREATMENT.

1.2. PIGMENTED MORTAR. MAKE SAMPLES USING SAME SAND AND MORTAR INGREDIENTS TO BE USED ON PROJECT. LABEL SAMPLES TO INDICATE TYPES AND AMOUNTS OF PIGMENTS USED.

1.3. WEEP HOLES/VENTS.

1.4. ACCESSORIES EMBEDDED IN MASONRY.

2. QUALITY ASSURANCE

C. SOURCE LIMITATIONS FOR MASONRY UNITS: OBTAIN ALL CONCRETE MASONRY UNITS THROUGH ONE SOURCE FROM A SINGLE MANUFACTURER FOR EACH PRODUCT REQUIRED.

3. DELIVERY, STORAGE, AND HANDLING

A. DELIVER CONCRETE MASONRY UNITS TO THE JOB SITE ON MANUFACTURER'S STANDARD PALLETS. DELIVER GROUND FACE, POLISHED AND WEATHERED POLISHED UNITS WITH HEAT SHRINK PLASTIC COVERING AND WITH NON-STAINING PROTECTION CUSHION BETWEEN FACES.

B. STORE MASONRY UNITS ON ELEVATED PLATFORMS IN A DRY LOCATION. DO NOT DOUBLE STACK. IF UNITS ARE NOT STORED IN AN ENCLOSED LOCATION, COVER TOPS AND SIDES OF STACKS WITH WATERPROOF SHEETING, SECURELY TIED DAILY. IF UNITS BECOME WET, DO NOT INSTALL UNTIL THEY ARE DRY.

5. PROJECT CONDITIONS

A. PROTECTION OF MASONRY: DURING CONSTRUCTION, COVER TOPS OF WALLS, PROJECTIONS, AND SILLS WITH WATERPROOF SHEETING AT END OF EACH DAY'S WORK. COVER PARTIALLY COMPLETED MASONRY WHEN CONSTRUCTION IS NOT IN PROGRESS.

5.1. EXTEND COVER A MINIMUM OF 24 INCHES DOWN BOTH SIDES AND HOLD COVER SECURELY IN PLACE.

B. STAIN PREVENTION: PREVENT GROUT, MORTAR, AND SOIL FROM STAINING THE FACE OF MASONRY TO BE LEFT EXPOSED OR PAINTED. IMMEDIATELY REMOVE GROUT, MORTAR, AND SOIL THAT COME IN CONTACT WITH SUCH MASONRY.

1.1. PROTECT BASE OF WALLS FROM RAIN-SPLASHED MUD AND FROM MORTAR SPLATTER BY SPREADING COVERINGS ON GROUND AND OVER WALL SURFACE.

1.2. PROTECT SILLS, LEDGES, AND PROJECTIONS FROM MORTAR DROPPINGS.

1.3. PROTECT SURFACES OF WINDOW AND DOOR FRAMES, AS WELL AS SIMILAR PRODUCTS WITH PAINTED AND INTEGRAL FINISHES, FROM MORTAR DROPPINGS.

1.4. TURN SCAFFOLD BOARDS NEAR THE WALL ON EDGE AT THE END OF EACH DAY TO PREVENT RAIN FROM SPLASHING MORTAR AND DIRT ONTO COMPLETED MASONRY.

C. COLD-WEATHER REQUIREMENTS: DO NOT USE FROZEN MATERIALS OR MATERIALS MIXED OR COATED WITH ICE OR FROST. DO NOT BUILD ON FROZEN SUBSTRATES. REMOVE AND REPLACE UNIT MASONRY DAMAGED BY FROST OR BY FREEZING CONDITIONS. COMPLY WITH COLD-WEATHER CONSTRUCTION REQUIREMENTS CONTAINED IN ACI 530.1/ASCE 6/TMS 602.

1.1. COLD-WEATHER CLEANING: USE LIQUID CLEANING METHODS ONLY WHEN AIR TEMPERATURE IS 40 DEG F AND ABOVE AND WILL REMAIN SO UNTIL MASONRY HAS DRIED, BUT NOT LESS THAN 7 DAYS AFTER COMPLETING CLEANING.

D. HOT-WEATHER REQUIREMENTS: COMPLY WITH HOT-WEATHER CONSTRUCTION REQUIREMENTS CONTAINED IN ACI 530.1/ASCE 6/TMS 602.

PRODUCTS

1. STANDARD CONCRETE MASONRY UNITS

1.1. MANUFACTURER: AS NOTED ON DRAWINGS.

1.2. SHAPES AND SIZES: AS INDICATED ON THE DRAWINGS, SELECTED FROM MANUFACTURER'S STANDARD AND CUSTOM SHAPES AND SIZES.

5.3. INTEGRAL WATER REPELLENT FOR EXTERIOR UNITS EXPOSED TO THE WEATHER: ACM CHEMISTRIES, RAINBLOC.

5.4. INTEGRAL INSULATION AT SINGLE WYTHE EXTERIOR WALLS: MANUFACTURER'S STANDARD KORFIL OR ICON INSERTS.

E. MANUFACTURING REQUIREMENTS:

1.1. TYPE: NORMAL WEIGHT

1.2. LOAD-BEARING UNITS: ASTM C 90.

1.3. NORMAL WEIGHT AGGREGATES: ASTM C 33.

1.4. PORTLAND CEMENTS: ASTM C 150.

1.5. COMPRESSIVE STRENGTH: ASTM C140, 2000 MINIMUM ON THE NET AREA.

2. ARCHITECTURAL CONCRETE MASONRY UNITS - SPLIT FACE CONCRETE MASONRY UNITS:

1.1. MANUFACTURER: AS NOTED ON THE DRAWINGS

1.2. FACE: STANDARD SPLIT FACE.

1.3. SHAPES AND SIZES: AS INDICATED ON THE DRAWINGS, SELECTED FROM MANUFACTURER'S STANDARD AND CUSTOM SHAPES AND SIZES.

1.4. INTEGRAL WATER REPELLENT FOR EXTERIOR UNITS EXPOSED TO THE WEATHER: ACM CHEMISTRIES, RAINBLOC.

1.5. INTEGRAL INSULATION AT SINGLE WYTHE EXTERIOR WALLS: MANUFACTURER'S STANDARD KORFIL OR ICON INSERTS.

D. MANUFACTURING REQUIREMENTS:

1.1. TYPE: NORMAL WEIGHT, MEDIUM WEIGHT AND LIGHT WEIGHT AS REQUIRED BY MIX DESIGN/COLOR CHOICE.

1.2. LOAD-BEARING UNITS: ASTM C 90.

1.3. NORMAL WEIGHT AGGREGATES: ASTM C 33.

1.4. LIGHT WEIGHT AGGREGATES: ASTM C 331.

1.5. PORTLAND CEMENTS: ASTM C 150.

1.6. COMPRESSIVE STRENGTH: ASTM C140, 3500 PSI MINIMUM ON THE NET AREA.

EXECUTION

1. MASONRY CLEANERS

A. PROPRIETARY CLEANER: MANUFACTURER'S STANDARD-STRENGTH CLEANER DESIGNED FOR REMOVING MORTAR/ GROUT STAINS, EFFLORESCENCE, AND OTHER NEW CONSTRUCTION STAINS FROM NEW CONCRETE MASONRY WITHOUT DISCOLORING OR DAMAGING MASONRY SURFACES. USE PRODUCT EXPRESSLY APPROVED FOR INTENDED USE BY CLEANER MANUFACTURER AND MANUFACTURER OF MASONRY UNITS BEING CLEANED.

2. EXAMINATION

A. EXAMINE CONDITIONS, WITH INSTALLER PRESENT, FOR COMPLIANCE WITH REQUIREMENTS FOR INSTALLATION TOLERANCES AND OTHER CONDITIONS AFFECTING PERFORMANCE OF WORK. FOR THE RECORD, PREPARE WRITTEN REPORT, ENDORSED BY INSTALLER, LISTING CONDITIONS DETRIMENTAL TO PERFORMANCE OF WORK.

3. VERIFY THAT FOUNDATIONS ARE WITHIN TOLERANCES SPECIFIED.

1.1. BEFORE INSTALLATION, EXAMINE ROUGH-IN AND BUILT-IN CONSTRUCTION FOR PIPING SYSTEMS TO VERIFY ACTUAL LOCATIONS OF PIPING CONNECTIONS.

1.2. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.

2. INSTALLATION

A. COMPLY WITH NCMA RECOMMENDED PRACTICES FOR LAYING CONCRETE BLOCK AND NCMA TEK BULLETINS AND WITH THE FOLLOWING REQUIREMENTS.

B. THICKNESS: BUILD SINGLE-WYTHE WALLS TO ACTUAL WIDTHS OF MASONRY UNITS, USING UNITS OF WIDTHS INDICATED.

C. BUILD CHASES AND RECESSES TO ACCOMMODATE ITEMS SPECIFIED IN THIS AND OTHER SECTIONS.

D. LEAVE OPENINGS FOR EQUIPMENT TO BE INSTALLED BEFORE COMPLETING MASONRY. AFTER INSTALLING EQUIPMENT, COMPLETE MASONRY TO MATCH THE CONSTRUCTION IMMEDIATELY ADJACENT TO OPENING.

E. USE FULL-SIZE UNITS WITHOUT CUTTING IF POSSIBLE. IF CUTTING IS REQUIRED TO PROVIDE A CONTINUOUS PATTERN OR TO FIT ADJOINING CONSTRUCTION, CUT UNITS WITH MOTOR-DRIVEN SAWS; PROVIDE CLEAN, SHARP, UNCHIPPED EDGES. ALLOW UNITS TO DRY BEFORE LAYING UNLESS WETTING OF UNITS IS SPECIFIED. INSTALL CUT UNITS WITH CUT SURFACES AND, WHERE POSSIBLE, CUT EDGES CONCEALED. DO NOT USE UNITS CUT TO LESS THAN ONE-HALF SIZE.

F. DO NOT INSTALL CONCRETE MASONRY UNITS WITH MORE THAN 5 PERCENT DAMAGE TO THE FACE.

G. SELECT AND ARRANGE UNITS FOR EXPOSED UNIT MASONRY TO PRODUCE A UNIFORM BLEND OF COLORS AND TEXTURES. MIX UNITS FROM SEVERAL PALLETS OR CUBES AS THEY ARE PLACED.

H. COMPLY WITH CONSTRUCTION TOLERANCES IN ACI 530.1/ASCE 6/TMS 602 AND WITH THE FOLLOWING:

3.1. FOR CONSPICUOUS VERTICAL LINES, SUCH AS EXTERNAL CORNERS, DOOR JAMBS, REVEALS, AND EXPANSION AND CONTROL JOINTS, DO NOT VARY FROM PLUMB BY MORE THAN 1/8 INCH IN 10 FEET, 1/4 INCH IN 20 FEET, OR 1/2 INCH MAXIMUM.

3.2. FOR VERTICAL ALIGNMENT OF EXPOSED HEAD JOINTS, DO NOT VARY FROM PLUMB BY MORE THAN 1/4 INCH IN 10 FEET, OR 1/2 INCH MAXIMUM.

3.3. FOR CONSPICUOUS HORIZONTAL LINES, SUCH AS LINTELS, SILLS, PARAPETS, AND REVEALS, DO NOT VARY FROM LEVEL BY MORE THAN 1/8 INCH IN 10 FEET, 1/4 INCH IN 20 FEET, OR 1/2 INCH MAXIMUM.

3.4. FOR EXPOSED BED JOINTS, DO NOT VARY FROM THICKNESS INDICATED BY MORE THAN PLUS OR MINUS

1/8 INCH, WITH A MAXIMUM THICKNESS LIMITED TO 1/2 INCH. DO NOT VARY FROM BED-JOINT THICKNESS OF ADJACENT COURSES BY MORE THAN 1/8 INCH.

3.5. FOR EXPOSED HEAD JOINTS, DO NOT VARY FROM THICKNESS INDICATED BY MORE THAN PLUS OR MINUS 1/8 INCH. DO NOT VARY FROM ADJACENT BED-JOINT AND HEAD-JOINT THICKNESSES BY MORE THAN 1/8 INCH.

4. LAYING MASONRY WALLS

A. LAY OUT WALLS IN ADVANCE FOR ACCURATE SPACING OF SURFACE BOND PATTERNS WITH UNIFORM JOINT THICKNESSES AND FOR ACCURATE LOCATION OF OPENINGS, MOVEMENT-TYPE JOINTS, RETURNS, AND OFFSETS. AVOID USING LESS-THAN-HALF-SIZE UNITS, PARTICULARLY AT CORNERS, JAMBS, AND, WHERE POSSIBLE, AT OTHER LOCATIONS.

B. BOND PATTERN FOR EXPOSED MASONRY: UNLESS OTHERWISE INDICATED, LAY EXPOSED MASONRY IN BOND PATTERN INDICATED ON DRAWINGS; DO NOT USE UNITS WITH LESS THAN NOMINAL 4-INCH HORIZONTAL FACE DIMENSIONS AT CORNERS OR JAMBS. PRIOR TO INSTALLATION REVIEW BOND PATTERN WITH ARCHITECT.

C. STOPPING AND RESUMING WORK: STOP WORK BY RACKING BACK UNITS IN EACH COURSE FROM THOSE IN COURSE BELOW; DO NOT TOOTH. WHEN RESUMING WORK, CLEAN MASONRY SURFACES THAT ARE TO RECEIVE MORTAR AND REMOVE LOOSE MASONRY UNITS AND MORTAR.

D. BUILT-IN WORK: AS CONSTRUCTION PROGRESSES, BUILD IN ITEMS SPECIFIED IN THIS AND OTHER SECTIONS. FILL IN SOLIDLY WITH MASONRY AROUND BUILT-IN ITEMS.

E. FILL SPACE BETWEEN STEEL FRAMES AND MASONRY SOLIDLY WITH MORTAR, UNLESS OTHERWISE INDICATED.

F. FILL CORES IN HOLLOW CONCRETE MASONRY UNITS WITH GROUT 24 INCHES UNDER BEARING PLATES, BEAMS, LINTELS, POSTS, AND SIMILAR ITEMS, UNLESS OTHERWISE INDICATED. REFER TO STRUCTURAL DRAWINGS.

G. BUILD NON-LOAD-BEARING INTERIOR PARTITIONS FULL HEIGHT OF STORY TO UNDERSIDE OF ROOF STRUCTURE ABOVE, UNLESS OTHERWISE INDICATED.

1.1. INSTALL COMPRESSIBLE FILLER IN JOINT BETWEEN TOP OF PARTITION AND UNDERSIDE OF STRUCTURE ABOVE.

1.2. FASTEN PARTITION TOP ANCHORS TO STRUCTURE ABOVE AND BUILD INTO TOP OF PARTITION. GROUT CELLS OF CMUS SOLIDLY AROUND PLASTIC TUBES OF ANCHORS AND PUSH TUBES DOWN INTO GROUT TO PROVIDE 1/2-INCH CLEARANCE BETWEEN END OF ANCHOR ROD AND END OF TUBE. SPACE ANCHORS 48 INCHES O.C., UNLESS OTHERWISE INDICATED.

1.3. WEDGE NON-LOAD-BEARING PARTITIONS AGAINST STRUCTURE ABOVE WITH SMALL PIECES OF TILE, SLATE, OR METAL. FILL JOINT WITH MORTAR AFTER DEAD-LOAD DEFLECTION OF STRUCTURE ABOVE APPROACHES FINAL POSITION.

5. MASONRY JOINT REINFORCEMENT

A. INSTALL JOINT REINFORCEMENT IN ACCORDANCE WITH NCMA TEK 12-2, *JOINT REINFORCEMENT FOR CONCRETE MASONRY*.

B. GENERAL: INSTALL ENTIRE LENGTH OF LONGITUDINAL SIDE RODS IN MORTAR WITH A MINIMUM COVER OF 5/8 INCH ON EXTERIOR SIDE OF WALLS, 1/2 INCH ELSEWHERE. LAP REINFORCEMENT A MINIMUM OF 6 INCHES. SPACE REINFORCEMENT NOT MORE THAN 16 INCHES O.C.

C. INTERRUPT JOINT REINFORCEMENT AT CONTROL AND EXPANSION JOINTS, UNLESS OTHERWISE INDICATED.

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DRAWING NAME:
CMU SPECIFICATIONS

A7-1

CONCRETE MASONRY SPECIFICATIONS (CONTINUED)

D. PROVIDE CONTINUITY AT WALL INTERSECTIONS BY USING PREFABRICATED T-SHAPED UNITS. E. PROVIDE CONTINUITY AT CORNERS BY USING PREFABRICATED L-SHAPED UNITS.

6. CONTROL AND EXPANSION JOINTS

A. INSTALL CONTROL JOINTS IN ACCORDANCE WITH NCMA TEK 10-2, *CONTROL JOINTS FOR CONCRETE MASONRY WALLS,* NCMA TEK 10-3, *CONTROL JOINTS FOR CONCRETE MASONRY WALLS - ALTERNATIVE ENGINEERED METHOD,* AND NCMA TEK 10-4, *CRACK CONTROL FOR CONCRETE BRICK AND OTHER CONCRETE MASONRY VENEERS.*

B. GENERAL: INSTALL CONTROL AND EXPANSION JOINT MATERIALS IN UNIT MASONRY AS MASONRY PROGRESSES. DO NOT ALLOW MATERIALS TO SPAN CONTROL AND EXPANSION JOINTS WITHOUT PROVISION TO ALLOW FOR IN- PLANE WALL OR PARTITION MOVEMENT.

C. FORM CONTROL JOINTS IN CONCRETE MASONRY USING ONE OF THE FOLLOWING METHODS:

1.1. FIT BOND-BREAKER STRIPS INTO HOLLOW CONTOUR IN ENDS OF CONCRETE MASONRY UNITS ON ONE SIDE OF CONTROL JOINT. FILL RESULTANT CORE WITH GROUT AND RAKE OUT JOINTS IN EXPOSED FACES FOR APPLICATION OF SEALANT.

1.2. INSTALL PREFORMED CONTROL-JOINT GASKETS DESIGNED TO FIT STANDARD SASH BLOCK.

1.3. INSTALL INTERLOCKING UNITS DESIGNED FOR CONTROL JOINTS. INSTALL BOND-BREAKER STRIPS AT JOINT.

1.4. KEEP HEAD JOINTS FREE AND CLEAR OF MORTAR OR RAKE OUT JOINT FOR APPLICATION OF SEALANT.

1.5. INSTALL TEMPORARY FOAM-PLASTIC FILLER IN HEAD JOINTS AND REMOVE FILLER WHEN UNIT MASONRY IS COMPLETE FOR APPLICATION OF SEALANT.

7. FLASHING, WEEP HOLES, CAVITY DRAINAGE, AND VENTS

A. INSTALL FLASHING IN ACCORDANCE WITH NCMA TEK 19-04, *FLASHING STRATEGIES FOR CONCRETE MASONRY*

WALLS, AND NCMA TEK 19-05, *FLASHING DETAILS FOR CONCRETE MASONRY WALLS.*

B. GENERAL: INSTALL EMBEDDED FLASHING AND WEEP HOLES IN MASONRY AT SHELF ANGLES, LINTELS, LEDGES, OTHER OBSTRUCTIONS TO DOWNWARD FLOW OF WATER IN WALL, AND WHERE INDICATED.

C. INSTALL FLASHING AS FOLLOWS, UNLESS OTHERWISE INDICATED:

1.1. PREPARE MASONRY SURFACES SO THEY ARE SMOOTH AND FREE FROM PROJECTIONS THAT COULD PUNCTURE FLASHING. WHERE FLASHING IS WITHIN MORTAR JOINT, PLACE THROUGH-WALL FLASHING ON SLOPING BED OF MORTAR AND COVER WITH MORTAR. BEFORE COVERING WITH MORTAR, SEAL PENETRATIONS IN FLASHING WITH ADHESIVE, SEALANT, OR TAPE AS RECOMMENDED BY FLASHING MANUFACTURER.

1.2. AT LINTELS AND SHELF ANGLES, EXTEND FLASHING A MINIMUM OF 6 INCHES INTO MASONRY AT EACH END. AT HEADS AND SILLS, EXTEND FLASHING 6 INCHES AT ENDS AND TURN UP NOT LESS THAN 2 INCHES TO FORM END DAMS.

1.3. INSTALL AIR BARRIER TRANSITION STRIPS TO SEAL EMBEDDED FLASHINGS IN MASONRY TO AIR BARRIER MEMBRANE IN ACCORDANCE WITH SECTION 072700 - AIR BARRIERS.

1.4. INSTALL REGLETS AND NAILERS FOR FLASHING AND OTHER RELATED CONSTRUCTION WHERE THEY ARE SHOWN TO BE BUILT INTO MASONRY.

1.5. INSTALL METAL DRIP EDGE PLATE IN ACCORDANCE WITH ARCHITECTURAL DETAILS AND MANUFACTURER'S REQUIREMENTS.

1.6. INSTALL WEEP HOLES IN HEAD JOINTS IN EXTERIOR WYTHES OF FIRST COURSE OF MASONRY IMMEDIATELY ABOVE EMBEDDED FLASHING AND AS FOLLOWS

1.6.1. USE SPECIFIED WEEP/VENT PRODUCTS TO FORM WEEP HOLES.

1.6.2. SPACE WEEP HOLES 24 INCHES O.C., UNLESS OTHERWISE INDICATED.

1.6.3. PLACE CAVITY DRAINAGE MATERIAL IN CAVITIES TO COMPLY WITH CONFIGURATION REQUIREMENTS FOR CAVITY DRAINAGE MATERIAL IN PART 2 "MISCELLANEOUS MASONRY ACCESSORIES" ARTICLE.

D. INSTALL VENTS IN HEAD JOINTS IN EXTERIOR WYTHES AT SPACING INDICATED.

CLEANING

A. IN-PROGRESS CLEANING: CLEAN UNIT MASONRY AS WORK PROGRESSES BY DRY BRUSHING TO REMOVE MORTAR FINS AND SMEARS BEFORE TOOLING JOINTS.

B. FINAL CLEANING: AFTER MORTAR IS THOROUGHLY SET AND CURED, CLEAN EXPOSED MASONRY AS FOLLOWS:

1.1. REMOVE LARGE MORTAR PARTICLES BY HAND WITH WOODEN PADDLES AND NONMETALLIC SCRAPE HOES OR CHISELS.

1.2. TEST CLEANING METHODS ON SAMPLE WALL PANEL; LEAVE ONE-HALF OF PANEL UNCLEANED FOR COMPARISON PURPOSES. OBTAIN ARCHITECT'S APPROVAL OF SAMPLE CLEANING BEFORE PROCEEDING WITH CLEANING OF MASONRY.

1.3. PROTECT ADJACENT STONE AND NONMASONRY SURFACES FROM CONTACT WITH CLEANER BY COVERING THEM WITH LIQUID STRIPPABLE MASKING AGENT OR POLYETHYLENE FILM AND WATERPROOF MASKING TAPE.

1.4. WET WALL SURFACES WITH WATER BEFORE APPLYING CLEANERS; REMOVE CLEANERS PROMPTLY BY RINSING SURFACES THOROUGHLY WITH CLEAR WATER.

1.5. CLEAN CONCRETE MASONRY BY CLEANING METHOD INDICATED IN NCMA TEK 8-2A, *REMOVAL OF STAINS FORM CONCRETE MASONRY*, APPLICABLE TO TYPE OF STAIN ON EXPOSED SURFACES, AND NCMA TEK 8-04: *CLEANING CONCRETE MASONRY*.

MASONRY WASTE DISPOSAL

A. SALVAGEABLE MATERIALS: UNLESS OTHERWISE INDICATED, EXCESS MASONRY MATERIALS ARE CONTRACTOR'S PROPERTY. AT COMPLETION OF UNIT MASONRY WORK, REMOVE FROM PROJECT SITE.

B. MASONRY WASTE: REMOVE MASONRY WASTE AND LEGALLY DISPOSE OF OFF THE SITE.

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NEW FIELD HOUSE

GLEDHILL ATHLETIC FIELD
BURRILLVILLE HIGH SCHOOL
425 EAST AVENUE
BURRILLVILLE, RHODE ISLAND

DRAWN BY: PAC
DATE: MAR 4, 2024
REVISIONS:
7/30/24: S- & A- PERMIT ISSUE
2/10/26 - CORE AND SHELL PRELIM
4/10/26 - CORE & SHELL BID ISSUE
11/6/26 - UPDATED C&s BID

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DRAWING NAME:
CMU SPECIFICATIONS

A7-2

CLEANOUT, FLOOR DRAIN, AND FLOOR SINK SCHEDULE

SYMBOL	TYPE	MANUFACTURER	MODEL	OUTLET	MATERIAL	REMARKS
FCO-1	FLOOR CLEANOUT (FINISHED AREAS)	J.R. SMITH	4026C	CAULK	NICKEL BRONZE TOP BRONZE PLUG	FINISHED AREAS (PROVIDE CARPET MARKER IN CARPETED AREAS).
FD-1	FLOOR DRAIN	J.R. SMITH	2005-P050	CAULK	NICKEL BRONZE TOP BRONZE PLUG	INSTALL TRAP PRIMER VALVES FOR ALL FLOOR DRAINS OR INSTALL "SURE-SEAL" OR "PRO-SET" TRAP SEAL NEOPRENE DUCKBILL FLAPPER TO PREVENT EVAPORATION.

NOTES:
1. ALL FLOOR DRAINS THAT DO NOT RECEIVE INDIRECT WASTE DISCHARGE SHALL BE TRAP SEAL PROTECTED WITH TRAP PRIMER VALVES, BELOW SLAB PIPING AND DISTRIBUTION UNITS OR INSTALL "SURE-SEAL" OR "PRO-SET" NEOPRENE DUCKBILL FLAPPER DEVICE TO PREVENT TRAP SEAL EVAPORATION.

WATER HEATER SCHEDULE (BASED ON RHEEM)

SYMBOL	LOCATION	MODEL	TEMPERATURE RISE (°F)	RECOVERY RATE (GPH)	FUEL TYPE	INPUT (BTU/HR)	ELECTRICAL DATA		EMPTY WEIGHT (LBS.)	NOTES
							FLA	VOLTAGE		
GWH-1	MECHANICAL ROOM	RINNAI	140	125	PROPANE	199,999	-	-	1125	1,2,3

NOTES:
1. PROVIDE (1) AMTROL # ST-80-V-C EXPANSION TANK (ET-1) RATED FOR 250 PSIG.
2. PROVIDE WITH STAINLESS STEEL INTAKE AND EXHAUST TO EXTERIOR. INSTALL PER MANUFACTURER RECOMMENDATIONS.
3. PROVIDE WITH NEUTRALIZER.

PLUMBING SYMBOL LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
	CW	COLD WATER
	HW	HOT WATER 140°F
	HWC	HOT WATER CIRCULATION
IW	IW	INDIRECT WASTE
LP	LP	PROPANE GAS
	S or W	SOIL OR WASTE
TP	TP	TRAP PRIMER WATER
	V	VENT

VALVES

SYMBOL	ABBREVIATION	DESCRIPTION
	RPBFP	BACKFLOW PREVENTER
	HB-A	HOSE BIBB TYPE WITH HOSE THREADS
		SHUTOFF VALVE
	SV	SOLENOID VALVE

GENERAL

SYMBOL	ABBREVIATION	DESCRIPTION
	CO	CLEANOUT
	FCO	CLEANOUT (FLUSH FLOOR)
	WCO	CLEANOUT (WALL)
	FD-A	DRAIN (FLOOR DRAIN & TYPE)
	DF	DRINKING FOUNTAIN
	DN	DOWN (PENETRATES LEVEL BELOW)
		DROP (DOES NOT PENETRATE LEVEL BELOW)
	EWC	ELECTRIC WATER COOLER
	JS	JANITOR SINK
	LAV	LAVATORY
	MSB	MOP SERVICE BASIN
	NTS	NOT TO SCALE
	OED	OPEN END DRAIN W/TRAP
	SH	SHOWER
	SK	SINK
	S=.01	SLOPE = 1/8" PER FOOT - 1%
	SS	SOIL STACK
	S & V	SOIL & VENT
	UP	UP (PENETRATES LEVEL ABOVE)
	URN	URINAL
	VS	VENT STACK
	VTR	VENT THROUGH ROOF
	WH	WALL HYDRANT
	W&V	WASTE & VENT
	WC	WATER CLOSET
	GWH-A	WATER HEATER (GAS AND TYPE)
	W & T	WASTE & TRAP

GENERAL CONSTRUCTION NOTES:

1. CONTRACTOR SHALL REFER TO THE PLUMBING SPECIFICATIONS.
2. GENERAL NOTES, SYMBOLS LIST AND DETAILS ARE APPLICABLE TO ALL PLUMBING DRAWINGS.
3. DRAWINGS ARE DIAGRAMMATIC: DETERMINE LOCATIONS OF SYSTEMS AND COMPONENTS IN FIELD.
4. ALL PLUMBING WORK SHALL BE IN ACCORDANCE WITH THE LOCAL STATE PLUMBING CODE, THE LOCAL STATE BUILDING CODE AND THE DRAWINGS. NO WORK SHALL BE INSTALLED IN VIOLATION OF ANY GOVERNING CODES. ANY WORK SHOWN ON THE DRAWINGS WHICH IS IN VIOLATION OF SUCH CODES SHALL BE BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER AND THE OWNER'S REPRESENTATIVE AND SHALL BE RESOLVED PRIOR TO THE INSTALLATION OF THE WORK INVOLVED.
5. MANUFACTURERS' MODEL NUMBERS ARE SPECIFIED SOLELY TO ESTABLISH STANDARDS OF QUALITY FOR PERFORMANCE AND MATERIALS.
6. ALL PRODUCT INSTALLATIONS SHALL ADHERE TO MANUFACTURERS' RECOMMENDATIONS.
7. RUN PIPING CONCEALED, UNLESS SPECIFIED OTHERWISE, AND CLEAR OF CEILING INSERTS.
8. PROVIDE CLAMPS, OFFSETS, EXPANSION JOINTS, ANCHORS AND GUIDES AS NECESSARY TO PREVENT STRESS ON PIPING.
9. PROVIDE VENTS AT HIGH POINTS IN PRESSURE PIPING SYSTEMS AND DRAIN VALVES AT LOW POINTS.
10. THIS CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER CONTRACTORS IN ESTABLISHING PIPE RUNS AND SPACE CONDITIONS.
11. NOT ALL BRANCH PIPING AND OR OFFSETS FOR SOIL, WASTE, VENT AND DOMESTIC WATER PIPING IS SHOWN FOR CLARITY PURPOSES. IT SHALL BE THE RESPONSIBILITY OF THE PLUMBING SUBCONTRACTOR TO OWN THE PROVISION OF THIS PIPING DURING BIDDING AND CONSTRUCTION.
12. EACH INDIVIDUAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL NECESSARY FIRE STOPPING OF SLEEVES, PIPING, ELECTRICAL PIPING, DUCTWORK, ETC. PENETRATING ALL RATED PARTITIONS, FLOORS, AND CEILINGS FOR HIS/HER OWN WORK.
13. PLUMBING SUBCONTRACTOR SHALL REFER TO PLUMBING FLOOR PLANS FOR ALL NATURAL GAS DISTRIBUTION PIPE SIZES.
14. PRIOR TO THE START OF WORK THE PLUMBING SUBCONTRACTOR SHALL COORDINATE ALL STACK LOCATIONS WITH ARCHITECT AND CONSTRUCTION MANAGER TO AVOID STRUCTURAL AND PARTITION CONFLICTS.
15. PRIOR TO THE START OF WORK THE PLUMBING SUBCONTRACTOR SHALL COORDINATE THE REQUIREMENTS FOR AND THE LOCATIONS OF ALL EQUIPMENT PERTAINING TO THE PROJECT.
16. ALL PLUMBING SYSTEMS TO BE INSTALLED IN PARTITIONS WHERE POSSIBLE. COORDINATE WITH GENERAL CONTRACTOR/CONSTRUCTION MANAGER PRIOR TO START OF WORK.
17. PLUMBING SUBCONTRACTOR SHALL OWN DRIP LEGS AND SHUT OFF VALVES AT THE BASE OF ALL NATURAL GAS RISERS AND AT ALL CONNECTIONS TO EQUIPMENT.
18. PLUMBING SUBCONTRACTOR SHALL OWN ALL FINAL CONNECTIONS OF GAS PIPING TO ALL GAS FIRED EQUIPMENT.
19. PLUMBING SUBCONTRACTOR SHALL OBTAIN ALL BUILDING STANDARDS & LEASE AGREEMENTS (IF APPLICABLE) PRIOR TO START OF BIDDING & SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES.

PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE INFORMATION				FITTING INFORMATION			CONNECTION SIZES				TRAP	CARRIER	MAXIMUM WATER CONSUMPTION	REMARKS AND SPECIFICATIONS
	DESCRIPTION	MANUFACTURER	MODEL	COLOR/FINISH	TYPE	MAKE/MODEL	SUPPLY	WASTE	VENT	HW	CW				
LAV-1	LAVATORY (ADA)	AMERICAN STANDARD	LUCERNE 0355.012	WHITE	FAUCET-MOUNT	CHICAGO FAUCET W4D-DB6AE1-317ABCP	4" CENTERS, 2 HANDLE, POP-UP STRAINER	2"	2"	1/2"	1/2"	1-1/4"x1-1/2" CAST BRASS P-TRAP w/C.O. PLUG	ZURN OR EQUAL	0.5 GPM	G.C. SHALL COORDINATE FINAL SELECTIONS WITH OWNER PRIOR TO BIDDING/CONSTRUCTION. PROVIDE WITH 0.5 GPM AERATOR.
SH-1	SHOWER	SIMMONS	-	-	SHOWER CONTROLS	-	-	2"	2"	1/2"	1/2"	-	-	1.5 GPM	G.C. SHALL COORDINATE FINAL SELECTIONS WITH OWNER PRIOR TO BIDDING/CONSTRUCTION.
MB-1	MOP BASIN	MUSTEE	63M	MOLDED FIBERGLASS	FAUCET	MUSTEE 63.600A	-	3"	2"	1/2"	1/2"	-	-	1.5 GPM	WALL MOUNTED FAUCET WITH VACUUM BREAKER, WALL-MOUNTED BRACE AND PAIL HOOK, 65.700 BRACKET, 65.600 MOP HANGER
WC-1	WATER CLOSET (ADA)	AMERICAN STANDARD	AFWALL 2257.101	WHITE	FLUSH VALVE	SLOAN OPTIMA G2-8111-1.6	1-1/2" SPUD	4"	2"	-	1-1/2"	INTEGRAL	ZURN OR EQUAL	1.6 GPF	WALL CARRIER, SENSOR OPERATED FLUSH VALVE; OLSONITE MODEL 95SSCT OPEN FRONT SEAT-LESS COVER, MOUNT AT ADA HEIGHT
UR-1	ADA URINAL	AMERICAN STANDARD	WASHBROOK 6590.001	WHITE	FLUSH VALVE	SLOAN OPTIMA G2-8186-0.5	3/4" SPUD	2"	2"	-	3/4"	INTEGRAL	ZURN OR EQUAL	0.5 GPF	PROVIDE WITH WALL CARRIER. PROVIDE WITH SENSOR OPERATED FLUSH VALVE. MOUNT AT ADA COMPLIANT HEIGHT.
EWC-1	ELECTRIC WATER COOLER	HALSEY TAYLOR	HRF-SEBP	STAINLESS STEEL	-	-	-	2"	2"	-	1/2"	-	-	-	HI-LOW ADA COMPLIANT, 120V. PROVIDE WITH BOTTLER FILLER.

NOTES:
1. APPLY SILICONE SEALANT WHERE FIXTURES MEET FLOORS AND WALLS.

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STAMP

NEW FIELD HOUSE

GLEDHILL ATHLETIC FIELD
BURRILLVILLE HIGH SCHOOL
425 EAST AVENUE
BURRILLVILLE, RHODE ISLAND

DRAWN BY: BWT
DATE: MARCH 4, 2024
REVISIONS:

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DRAWING NAME:
PLUMBING LEGENDS, NOTES & SCHEDULES

P0-1
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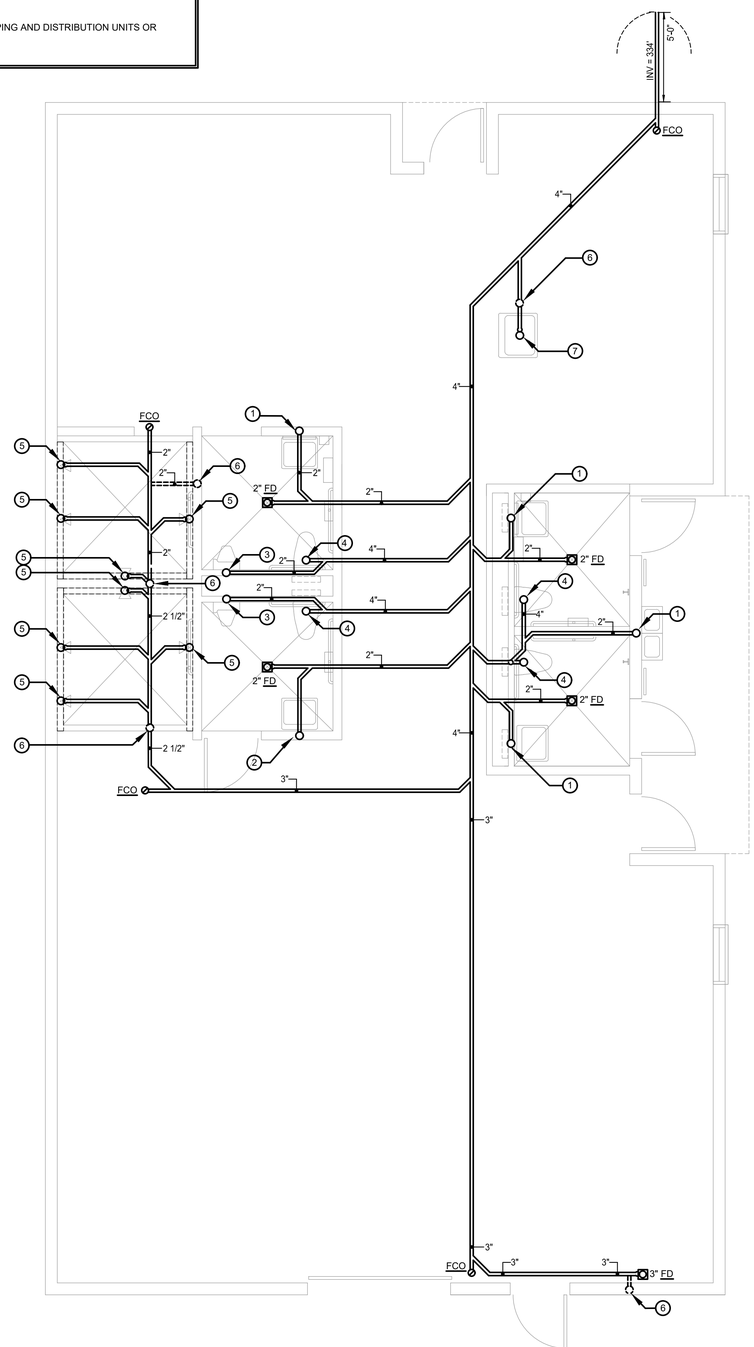
CLEANOUT AND FLOOR DRAINSCHEDULE

SYMBOL	TYPE	MANUFACTURER	MODEL	OUTLET	MATERIAL	REMARKS
FCO-1	FLOOR CLEANOUT (FINISHED AREAS)	J.R. SMITH	4026C	CAULK	NICKEL BRONZE TOP BRONZE PLUG	FINISHED AREAS (PROVIDE CARPET MARKER IN CARPETED AREAS).
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NOTES:
1. ALL FLOOR DRAINS THAT DO NOT RECEIVE INDIRECT WASTE DISCHARGE SHALL BE TRAP SEAL PROTECTED WITH TRAP PRIMER VALVES, BELOW SLAB PIPING AND DISTRIBUTION UNITS OR INSTALL "SURE-SEAL" OR "PRO-SET" NEOPRENE DUCKBILL FLAPPER DEVICE TO PREVENT TRAP SEAL EVAPORATION.

CONTRACTOR COORDINATION NOTE:

THE PLUMBING CONTRACTOR SHALL FIELD-VERIFY LOCATIONS OF ALL FIXTURE AND DRAIN LOCATIONS PRIOR TO THE START OF ANY WORK.



KEY NOTES

1. 2" W STUB
2. 2" W&T STUB FOR FUTURE MOP SINK
3. 2" S STUB
4. 4" S STUB
5. 2" W&T STUB FOR FUTURE SHOWER DRAIN
6. 2" V STUB
7. 3" W&T STUB FOR FUTURE MOP SINK

FIELD HOUSE - SANITARY/WASTE PLAN
LOCKER ROOMS / STORAGE
1/4" = 1'-0"

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NEW FIELD HOUSE

GLEDHILL ATHLETIC FIELD
BURRILLVILLE HIGH SCHOOL
425 EAST AVENUE
BURRILLVILLE, RHODE ISLAND

DRAWN BY: YYY
DATE: APRIL 10, 2026
REVISIONS:
NOVEMBER 5, 2026 - RE-ISSUED FOR BID

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P1-2
ISSUED FOR BID

PART I -- GENERAL

1.1 DESCRIPTION OF WORK

A. The work under this section shall consist of furnishing all labor, materials, equipment, supervision, transportation, construction, facilities, devices and incidentals necessary to provide complete plumbing systems as hereinafter described and as indicated on the drawings, including, but not limited to the following:

1. Sanitary, waste and vent piping system
2. Domestic water piping system
3. Propane gas system (Refer to mechanical plans for scope of work)
4. Plumbing fixtures and trim
5. Sleeves, escutcheons, hangers and supports
6. Fire safing of pipe penetrations
7. Floor drains
8. Hose bibs
9. Insulation
10. Valves
11. Water Hammer arrestors
12. Backflow preventers and file DEP submission
13. Fittings, unions and couplings
14. Cleaning, flushing, testing and disinfection
15. All supplementary steel for piping and equipment support
16. Guarantees
17. Drilling for installation of inserts
18. Vibration isolation and flexible connections
19. Coordination drawings
20. Access panels
21. Selective demolition

1.2 CODES, ORDINANCES AND PERMITS

A. All material and work provided shall be in accordance with the following codes and standards:

1. State Plumbing and Fuel Gas Code
2. State Department of Public Safety
3. Standards of the Underwriters' Laboratories (UL)
4. RI State and local Building Codes
5. Occupational Safety and Health Act
6. Local Codes and Board of Health requirements
7. Requirements of the RI Department of Environmental Protection
8. Requirements of the City of Warwick, RI

B. Where the contract documents indicate more stringent requirements than the above codes and ordinances, the contract documents shall take precedence.

C. File all documents, pay all fees and secure all permits, inspections and approvals necessary for the work of this section.

1.3 CONTRACT DRAWINGS & SPECIFICATIONS

A. The Contract Drawings are generally diagrammatic and convey the Scope of Work and General Arrangement of apparatus and equipment. The locations of all items shown on the drawings or called for in the specifications that are not definitely fixed by dimensions are approximate only. The exact locations necessary to secure the best conditions and results must be determined at the project and shall have the approval of the Architect and Engineer before being installed. The Subcontractor shall follow drawings in laying out work and shall check drawings of the other trades to verify spaces in which work will be installed. Maintain maximum headroom and space conditions at all points. If directed by the General Contractor, Engineer and/or Architect, the Subcontractor shall, without extra charge, make reasonable modifications in the layout as needed to prevent conflict with work of other trades or before proper execution of the work.

B. Specifications: The specifications are intended only to complement the drawings; however, work detailed and/or noted only on the drawings or work described only in the specifications shall all be considered as part of the scope of work.

1.4 SHOP DRAWINGS

A. Within thirty (30) days after the date of notice to proceed, and before purchasing any materials or equipment, submit for approval a complete list, in six (6) copies, of all materials to be incorporated in the work.

B. After the list has been processed, submit six (6) complete sets of shop drawings of all equipment. These shop-drawing submittals shall be submitted within thirty (30) days after the processing date of the original submittal.

C. All submittals shall be complete and shall be in three-ring loose-leaf binders. No consideration will be given to partial submittals, except with prior approval.

D. The approval of the equipment does not relieve the Subcontractor of responsibility of shop drawing errors related to details, sizes, quantities, wiring diagram arrangements and dimensions which deviate from the Specifications, and/or job conditions as they exist.

E. Refer to General Requirements for the substitutions of equipment and submittal of shop drawings. If apparatus or materials are substituted for those specified, and such substitution necessitates changes in, or additional connections, piping, supports, or construction, same shall be provided. Plumbing Subcontractor to assume cost and entire responsibility thereof.

1.5 RECORD DRAWINGS

A. The General Contractor will provide two sets of black or blue line and white drawings to the Plumbing Contractor to maintain and submit record drawings. One set of which shall be maintained at the site, and which shall, at all times, be accurate, clear and complete. Showing the actual location of all equipment and piping. The record drawings shall be available to the Architect/Engineer and/or General Contractor field representative at all times.

B. Any addenda, sketches, and supplementary drawings issued during the course of construction shall be transferred to the "as-built" drawings in AutoCAD format.

C. At the completion of the contract, submit an accurate, checked set of "as-built" drawings along with a disc with plans in AutoCAD format.

D. All valves installed shall be indicated on these drawings, and shall be numbered with numbers corresponding to those on the valve charts.

1.6 OPERATING INSTRUCTIONS AND MAINTENANCE MANUALS

A. Operating Instructions: Provide operating instructions to the Owner's designated representative with respect to the operation functions and maintenance procedures for all equipment and systems installed..

B. Maintenance Manuals: At the completion of the project, turn over to the General Contractor four (4) complete manuals in 3-ring binders, indexed, containing the following:

1. Complete shop drawings of all material and equipment in Part 2 of this section.
2. Operation descriptions of all systems.
3. Names, addresses and telephone numbers of all suppliers of system components.
4. Preventative maintenance instructions for all systems.
5. Spare parts list of all system components.
6. Copies of all valve charts.

1.7 GUARANTEE

A. This Contractor shall obtain in the General Contractor's and Owner's name, the standard written manufacturer's guarantee of all materials furnished under this Section where such guarantees are offered in the manufacturer's published product data. All these guarantees shall be in addition to, and not in lieu of, other liabilities which the Contractor may have by law or other provisions of the Contract Documents. The guarantee shall be for a period of one (1) year minimum from the date of acceptance or final payment.

1.8 STORAGE OF MATERIALS

A. Store materials prior to their installation where designated by the General Contractor. This Contractor shall be responsible for all materials stored and protect all installed equipment from injury or defacement.

1.9 SITE VISITATION

A. Prior to bid, This Contractor shall be required to visit the site and to have examined the existing conditions, which may affect the work under this contract. Failure to do so shall be this Subcontractor's responsibility and no claims for extra compensation or extension of time shall be allowed because of it.

1.10 COOPERATION WITH OTHER TRADES

A. Give full cooperation to other trades and furnish in writing to the Architect any information necessary to permit the work of all trades to be installed satisfactorily and with the least possible interference or delay.

B. Coordination drawings shall be initiated under Section 15500 of the Specifications. It is their responsibility for preparation of project coordination drawings showing the installation of all equipment, piping, ducts and accessories to be provided under Section 15500 of the Specifications. These drawings shall be prepared at not less than ¼ in. = 1 ft. scale, and shall show building room layouts, structural elements, ductwork and lighting layouts of function. Drawings shall indicate horizontal and vertical dimensions, to avoid interference with structural framing, ceilings, partitions, and other services. A reproducible copy of each drawing prepared shall then be submitted to each Contractor working under Sections 15300, 15400 and 16000, who shall be responsible to coordinate his equipment and systems and shall show these on the drawings submitted. After this Contractor has fulfilled his obligation, he shall return the drawings to the HVAC Contractor. After each drawing has been coordinated between trades, each trade shall sign each drawing, indicating acceptance of the installation. The HVAC Contractor shall then print the coordination original and these prints submitted through the General Contractor to the architect for review and comment, similar to shop drawings. Comments made on these drawings shall result in a correction and re-submittal of the drawings.

1.11 DEMOLITION

A. Prior to submitting bid, visit site and identify existing conditions and difficulties that will affect work of this section. Demolition work will require careful site examination prior to bidding. No compensation will be granted for additional work caused by unfamiliarity with site conditions that are visible or readily construed by experienced observers.

B. Prior to commencing demolition, contractor shall identify with owner any equipment to be returned to the owner after demolition. All other debris shall be disposed of by this contractor in accordance with all applicable regulations. Any shutdowns required for demolition shall be coordinated with building owner to avoid impact to operations.

C. During demolition, any equipment found to be abandoned shall be demolished. Existing unused connections to existing piping shall be capped accordingly.

D. Under demolition, the following is, in brief, the extent of the work to be performed by the Plumbing Contractor under this contract.

1. The plumbing contractor shall be responsible for the disconnection and removal of the existing equipment, fixtures, piping, valves, etc. in designated areas. Cut & cap piping back to mains. Patch all roof and wall penetrations to match existing.
2. This contractor shall protect work against injury or damage; and carefully store material and equipment to be relocated. Open ends of work shall be closed with temporary covers or plugs during storage and construction to prevent entry of obstructing material.
3. Refer to plumbing relocation drawings for new locations of equipment called out "To be re-installed".

1.12 INSPECTION AND TESTS

A. If inspection of materials installed shows defects, such defective work, materials, and/or equipment shall be replaced at no cost to the General Contractor or Owner, and the inspection and tests repeated.

B. Make all reasonable tests as required, and prove the integrity of all work and leave the entire installation in correct adjustment and ready to operate.

1.13 CONFLICT BETWEEN PLANS AND SPECIFICATIONS

A. In case of conflict between the contract drawings and specifications, the Engineer shall determine which takes precedence.

PART 2 - PRODUCTS

2.1 ACCESS PANELS

A. Furnish access panels for access to all concealed parts of the plumbing system that require accessibility such as valves, shock absorbers and cleanouts. Access panels to be installed by others under the appropriate section of the specifications.

B. All access panels shall be located in a workmanlike manner, positioned so that the component can be easily reached and the size shall be sufficient for this purpose (minimum size 12-in. square). Location of access panels will be submitted for approval prior to installation.

C. Access panels shall be prime painted with cam lock, as manufactured by Inland Steel Products Co. Milcor, Miami Carey or Walsh-Hannon-Gladwin, Inc., Wayloctor or an approved equal. Provide fire rated access panels where required by applicable code. They should be as follows:

D. Access panel shop drawings shall be submitted to the Architect for approval.

2.2 PIPING/FITTINGS/JOINTS

A. Pipe and fittings shall be of US manufacture, and shall conform to the latest ASA, ASTM and/or FS Standards.

B. Domestic Water Piping: Pipe - Type L copper tubing, conforming to Federal Specification WW-T-799 hard temper, or ASTM B88 drawn copper. Fittings -Wrought copper and bronze solder joints. Joints - Soldered joints shall be lead free solder.

C. Waste and Vent: PVC Schedule 40 solid wall pipe and PVC drainage fittings joined by solvent welding.

D. Natural Gas Piping 2-1/2 in. and Larger: Schedule 40, black steel pipe (ASTM A120) with Schedule 40, black steel fittings. Pipe joints shall be welded or flanged.

E. Natural Gas Piping and Gas Train Vents 2 in. and Smaller: Schedule 40, black steel pipe (ASTM B16.3) with 125-psi malleable iron, screwed fittings.

2.3 HANGERS

A. All piping shall be supported from the building structure by means of approved standard weight UL/FM hangers and supports. Piping shall be supported to maintain required grading and pitching of lines to prevent vibration and to secure piping in place and shall be so arranged as to provide for expansion and contraction. Piping shall not be hung from the hangers of other trades.

B. The spacing of hangers for horizontal piping shall be in accordance with State Plumbing Code. In no case shall horizontal piping be supported at intervals greater than 10 ft. Vertical lines shall be adequately supported at their bases by a suitable hanger placed in the horizontal line near the riser and at every story height vertically.

C. Hangers shall be manufactured by Grinnell, Carpenter and Patterson, Fee and Mason, or equal. All hangers and support figure numbers referred to are Carpenter and Patterson.

D. On insulated piping, each hanger shall be oversized so that the hanger will allow the insulation to pass through undisturbed and uncut. Install a 14 gauge metal pipe shield between pipe insulation and at all pipe hangers or saddles. Hangers shall be around insulation so insulation will be between pipe and hanger or saddle.

E. Seismic Restraints: It is the intent of this seismic specification to keep all mechanical building system components in place during a seismic event.

2.4 INSULATION

A. Pipe and equipment installed under this Contract shall be covered as follows:

B. All cold water piping: 1/2 in. glass fiber, 3-1/2 pound density, snap-on fiberglass insulation with vapor barrier jacket and self-sealing lap.

C. All Hot Water Piping: 1 in. glass fiber, 3-1/2 pound density, snap-on fiberglass insulation with jacketed vapor barrier and self-sealing lap.

D. All existing horizontal storm water drain piping: 1/2 in. glass fiber, 3-1/2 pound density, snap-on fiberglass insulation with vapor barrier jacket and self-sealing lap.

E. All valves and fittings shall have fiberglass insulation and covered with Manville's Zeston or Proto, PVC fitting covers with a 25/50 flame and smoke rating. The covers shall be Manville's Zeston or an approved equal. The covers shall be secured in place with a 1-inch wide white vinyl tape on all seams joints and throat. No tacks or staples will be allowed on this project.

F. All Condensate Piping: Horizontal runs of condensate drainage piping, including the horizontal to vertical elbow of fitting and drain body and connection shall be insulated with 1/2" fiberglass insulation with vapor barrier.

G. All piping on factory assembled equipment shall be insulated same as for field installed piping.

H. All pipe insulation shall be covered with a fire retardant vapor jacket in accordance with NFPA. Jacket shall be constructed of outer layers of white kraft paper and one mil aluminum foil with a glass fiber reinforcing between, laminated together with fire retardant adhesive. This jacket shall have a water vapor permeability of .02 perms.

I. Joints: The end joints of insulation shall be tightly butted and covered with factory furnished end joint sealing tapes. The jacket overlap shall be sealed with an approved sealer which shall not mar the jacket finish. End joints on cold water piping shall be sealed with vapor barrier mastic.

J. All sealer, solvents, tapes, adhesives and mastics used in conjunction with the installation of all insulation specified under this section of the specifications, shall pass the maximum possible fire safe qualities available and be of a type approved under NFPA or NFBU 91A and 90B Standards. The flame-spread rating shall not exceed 25. Smoke development rating shall not exceed 50.

K. No covering will be applied until the piping has passed all tests as required by the Engineer and approving authority.

L. All covering shall be Gustin Bacon, Johns-Manville, Owens Corning Fiberglass Co., or equal by recognized manufacturer, and shall be installed by reputable Sub-subcontractors regularly engaged in this work and employing particularly skilled therein.

2.5 VALVES

A. Furnish and install valves, required by code, where indicated on the drawings or specifications, so located that they may be operated, repaired or replaced with minimum effort and repacked under pressure. Provide access panels where valves are concealed behind non-removable ceilings or walls. Provide shut off valves for each battery of fixtures.

B. Ball valves 2 in. and smaller shall be two piece, all bronze with full port chrome plated ball, teflon seats, solder or threaded ends, extended stems and 600 psi cold working pressure. Ball valves 2-1/2 in. and larger shall be carbon steel with full port ball, teflon seats, flanged and designed for 600 lbs. non-shock cold water.

C. Stop and waste ball valves 3/4 in. and smaller shall be two piece, all bronze, with full port chrome plated ball, drain cap, teflon seats, solder or threaded ends, extended stems and 400-psi cold working pressure.

D. Gas cocks 2-1/2 in. and larger shall be all iron, lubricated plug, flanged ends, and 125-psi working pressure. Gas cocks 2 in. and smaller shall be bronze, lubricated plug, screwed ends and 125-psi working pressure.

2.6 HOSE BIBS AND WALL HYDRANTS

A. Hose bibs shall be Chicago No. 293, 1/2-in. brass "Y" pattern with lock shield, composition disk, loose tee handler and 3/4 in. hose end. Provide watts #8-A chrome plated backflow preventer on outlet. Mount the hose bib with the outlet 16-in. above finish floor.

A. Traps installed on threaded pipe shall be recessed drainage pattern.

2.8 PLUMBING FIXTURES

A. Plumbing fixtures shall be of the best quality as fabricated by a manufacturer of established reputation. Refer to architectural plans (Interior Design) for plumbing fixture specifications.

B. All fixtures shall have the manufacturer's guarantee label or trademark indicating first quality.

D. All materials specified to be chromium plated shall be thoroughly cleaned and polished before plating and plate shall be heavily, thoroughly and evenly plated, guaranteed not to strip or peel.

E. Where escutcheons are not furnished with plumbing fixtures, this Contractor shall supply them. Fixtures shall meet the requirements for the conservation of hot and cold water as noted in the State Plumbing Code.

F. Each fixture shall be separately trapped, using the type and size of trap required by the Plumbing Code or as specifically denoted otherwise. Unless otherwise specified, faucets and all exposed fittings and pipe shall be chrome plated. All replacement materials shall be verified in the field to assure a trouble free installation.

G. Dimensions locating plumbing fixtures shall be as shown on the architectural drawings.

2.9 SHOCK ABSORBERS

A. Furnish and install where required to prevent water hammer (all cold water drops to waterclosets and urinals), Zurn Z-1700 Shoktrol arrestors stainless steel, gas filled, bellows type shock absorber. Installation of absorbers shall be as per manufacturer's recommendations. Access panels are required at shock absorbers.

2.10 DRAIN VALVES

A. It shall be possible to drain the water from all the cold and hot and hot water piping. This subcontractor shall furnish and install 1/2-in. bronze gate valves with 3/4-in. hose outlets to drain each section and branch.

2.11 FIRE SAFING

A. Where piping passes through fire rated walls, floors and ceilings, provide a fire safing system so as to maintain the integrity of the rated assemblies to the satisfaction of the Architect and the Building Inspector. The fire safing system shall be as manufactured by 3M, Dow, Bio-Fire Shield, or Nelson. Provide manufacturer's details or custom details when there are not manufacturer's details for each condition with a UL listing referenced. Where piping is insulated, pipe insulation shall run continuously through the rated opening. Details shall show the required depth and annular space width requirements and limitations and any packing requirements.

B. Refer to architectural drawings for rated walls and partitions. Where there are no architectural drawings or they do not indicate rated walls and partitions, the following guidelines shall be used. All floors, corridor walls, party walls, mechanical room walls, duct and pipe chase walls, stairwells, trash room and chute walls shall be considered minimum two hour fire rated walls.

C. Products for fire safing of PVC piping shall be Proset System "C" or approved equal.

2.12 SYSTEMS IDENTIFICATION

A. All systems identification materials shall meet ANSI standard A13.1 - 1975, and be as manufactured by Seton Name Plate Corporation or approved equal.

B. Valve tags shall be circular 19 gauge brass, 1-1/2 in. diameter, with black filled text Seton No. 250-BL with No 530 brass hooks, No. 16 brass jack chain, or No.6 nickel-plated bead chain. Letter abbreviations shall be 4 in. high above 1/2-in. high numbers.

C. Pipe markers shall be setmark type "SNA" pre-molded acrylic plastic, snap on markers, either 8 in. or 12 in. long with overlap, for up to 6 in. diameter ER and type "STP" strap for 6 in. and larger. The background, field and legend colors and letter sizes shall be per ANSI standards.

2.13 ESCUTCHEONS

Install escutcheons around exposed pipe passing through finished floor, wall or ceiling. Escutcheons shall be one piece heavy cast brass, chromium plated, with set screw adjustable and shall be of sufficient outside diameter to cover sleeve opening and shall fit snugly around pipe.

2.14 FLOOR DRAINS

All floor drains shall be the product of one manufacturer such as Jay R. Smith, Josam, Zurn, or approved equal.

A. FD-A: Cast iron body and flashing collar with protector cap and 5-inch nickel bronze adjustable square strainer, similar to Jay R. Smith 2010C.

B. Provide round funnel similar to Jay R. Smith Figure No. 3580 where applicable.

C. Provide trap primer connection similar to Jay R. Smith P050 where applicable.

D. FD-B: Cast iron body and flashing collar with adjustable top bar grate and sediment bucket, similar to Jay R. Smith 2360C-S

E. Provide round funnel similar to Jay R. Smith Figure No. 3580 where applicable.

F. Provide trap primer connection similar to Jay R. Smith P050 where applicable.

G. FS-A: Cast iron flanged body with flashing clamp, acid-resistant coated interior, nickel bronze rim and secured grate, with aluminum sediment bucket, similar to Jay R. Smith 3151C-C.

H. FS-B: Same as FS-A except with Jay R. Smith 12 nickel bronze rim and half grate.

I. FS-C: Same as FS-A except with Jay R. Smith 13 nickel bronze rim and 3/4 grate.

J. FS-D: Cast iron flanged body with flashing clamp, acid-resistant coated interior, nickel bronze rim and half secured grate, aluminum sediment bucket and trap primer connection similar to Jay R. Smith 3151C-12-LXH-P050 .

2.15 PLUMBING FIXTURES

See Plumbing Fixture Schedule

PART 3 - EXECUTION

3.1 WORKMANSHIP

A. Prior to the work of this section, this Contractor must ascertain that preceding work has been accomplished in a manner to permit compliance with the level of quality required by this Section.

B. The entire work provided in this specification shall be constructed and finished in every respect in a workmanlike and substantial manner. It is not intended that the drawings shall show every pipe, fitting, and appliance. Furnish all parts as may be necessary to complete the system in accordance with the best trade practices and to be the satisfaction of the Architect, Engineer and General Contractor.

C. This Contractor shall keep other contractors fully informed as the shape, size and position of all openings required for his apparatus and shall give full information to the General Contractor or other contractors sufficiently in advance of the work so that all openings may be built in advance. Furnish and install all sleeves, supports, etc., specified or required.

D. In the case of failure on the part of this Subcontractor to give proper and timely information as noted above, he shall do his own cutting and patching, or have same done by the General Contractor at this subcontractor's expense, but in any case, without extra expense to the Owner and General Contractor.

E. This Contractor shall obtain detailed information from the manufacturer of apparatus as to the proper method of installing and connecting same. He shall also obtain all information from the General Contractor and the other contractors which may be necessary to facilitate his work and the completion of the whole project.

3.2 CORE DRILLING

A. All holes through concrete or masonry for the passage of plumbing piping not provided by sleeves or openings at the time of casting, shall be cut by the Plumbing Contractor using an approved core boring machine with diamond edge bit and vacuum sludge removal device. The size of holes shall provide for fire stopping around a pipe. The location of all core drilled holes shall be coordinated with the structural reinforcing and be reviewed by the Architect prior to commencing work.

B. Prior to coring, the Plumbing Contractor shall submit a minimum 1/8 in. scale plan, dimensioning the location of proposed cored opening locations and indicating the core diameter. Prior to developing the coring plan, the Plumbing Contractor shall examine the site carefully in an attempt to determine whether there are structural, mechanical or electrical obstacles in the proposed coring locations. Once the plans are reviewed by the Architect and Owner's representative, the Plumbing Contractor may proceed with caution.

3.3 TESTING PIPING SYSTEMS

A. Test all work in the presence of the Architect/Engineer and/or Owner, Owner's representative and Plumbing Inspector as called for in local codes.

B. After soil, waste and vent piping is in place and before being furred in, plug lower ends and fill. The system shall be left tight under these conditions and water level shall be maintained intact for a period of at least four hours.

C. Test domestic water piping and service by applying a hydrostatic pressure of 125 psi using a pump for this purpose. Make sure that all lines are properly plugged or capped, and that air has been vented before applying pressure, which shall remain constant without pumping for one hour at least.

D. Gas system piping shall be tested at a pressure of 5 psig and pressure shall be held for two hours minimum.

E. This Contractor shall furnish all equipment, labor and materials, required for these tests.

F. Any leaks in joints or evidence of defective pipe or fittings disclosed by tests shall be immediately corrected by replacing defective parts with new joints or corrected materials. No makeshift repairs effected by caulking threaded pipe with lead wool, application of wicking or patented compounds being permitted. Perform smoke tests as required by local code or by the Architect/Engineer.

3.4 PROTECTION AND CLEANING

A. Each subcontractor shall be responsible for his work and equipment until finally inspected, tested and accepted. Carefully store materials and equipment, which are not immediately installed after delivery on site. Close open ends or work with temporary covers or plug during construction to prevent entry of obstructing materials.

B. Each subcontractor shall protect work and materials of other trades from damage that might be caused by his work or workman and make good damage thus caused.

C. The premises shall be kept reasonably clean at all times, and rubbish shall be removed as directed by the General Contractor.

D. Upon completion of this work, the Contractor shall clean all fixtures and equipment and replace damaged parts. Upon failure of this Contractor to fulfill his obligation, this work will be taken care of at his expense.

coordinating the installation of same with the other trades and the General Contractor.

B. Particular attention shall be directed to the coordination of system with all equipment of other trades installed in and above the ceiling areas. Conflicts in heights and clearance above hung ceilings shall be brought to the attention of the General Contractor for a decision before equipment is installed.

C. Furnish to the General Contractor and other trades all information relative to the position of the plumbing installation that will affect them so that they may plan their work and installation accordingly.

3.6 SUPPLEMENTARY STEEL, CHANNEL AND SUPPORTS

A. Furnish and install all supplementary steel, channels and supports required for the proper installation, mounting and support of all equipment.

B. Supplementary steel and channels shall be firmly connected to building construction in a manner approved by the Architect/Engineer.

C. The type and size of the supporting channels and supplementary steel shall be determined by the Plumbing Subcontractor and shall be sufficient strength and size to allow only a minimum deflection in conformance with the manufacturer's requirements for loading.

D. All supplementary steel and channels shall be installed in a neat and workmanlike manner parallel to the walls, floor and ceiling construction. all turns to be made with 90 degree fittings, as required to suit the construction and installation conditions.

3.7 SLEEVES AND INSERTS

A. Sleeves shall be furnished, set and properly secured in place and at all points where piping passes through masonry or concrete. All sleeves shall be of sufficient diameter to provide 1/4-in. clearance around the pipe.

B. Sleeves through concrete slabs, and interior concrete and masonry walls or partitions shall be steel pipe. Fire stop annular openings between sleeves and pipes at floor slab passages and make watertight. Galvanized sleeves and copper piping shall not be placed in concrete.

C. Install UL listed and FM approved inserts or other anchoring devices in concrete and masonry construction as required to support piping. Inserts shall be of the adjustable type as manufactured by Carpenter and Patterson, Grinnell, or Fee and Mason.

3.8 SYSTEM IDENTIFICATION

A. All valves on pipes of every description shall have circular brass valve tags of at least 1-1/2 in. in diameter, attached with brass hooks to each valve stem. Stamp number of the valve and the service, such as "HW", "CW", "GAS", etc., for hot water, cold water, gas, etc., respectively. The numbers of each service shall be consecutive and shall correspond with the numbers indicated for valves and controls on the record drawings and on three printed valve lists. These printed lists shall state number and locations of each valve and control and the section, fixture or equipment which it controls.

B. The printed valve lists shall be prepared in a form to meet the approval of the Architect and Engineer and one copy shall be framed under glass and mounted in approved locations.

C. All plumbing lines and equipment shall be identified by pipe markings, which shall be provided by this Contractor. Markers shall be applied every 20 ft. Markings shall indicate pipe content and direction of flow. The markers shall be as manufactured by Seton Name Plate Corp. or equal.

3.9 INSERTS AND OPENINGS

A. Inserts: Install inserts or other anchoring devices in concrete and masonry construction as required to support piping. Inserts shall be of the adjustable type as manufactured by Carpenter and Patterson, Grinnell of Fee and Mason.

B. Escutcheons: All exposed pipe, uncovered, passing through walls, floors or ceilings shall be fitted with one piece chrome plated brass escutcheons with set screw holding in position. Floor escutcheons to be deep enough to fit over sleeves, fastened to pipe and extending down to floor.

3.10 PLANS AND SPECIFICATIONS

A. The drawing showing layout of the plumbing systems indicate the approximate location of outlets, apparatus and equipment are schematic. The final determination as to the routing shall be governed by structural conditions and other obstructions.

B. The right to make any reasonable change in the location of outlets, apparatus and equipment up to the time of the roughing-in is reserved by the Architect and Engineer without involving any expense to the Owner or the General Contractor.

C. The specifications supplement the drawings and provide specifics pertaining to the methods of material to be used in the execution of the work.

3.11 SANITARY WASTE, STORM WATER AND VENT SYSTEMS

A. Furnish and install piping to take wastes from all soil and waste stacks, fixtures, drains and equipment as indicated and/or described in these plans and specifications.

B. Unless specifically noted otherwise on the plans, all horizontal piping 4 in. and larger shall be pitched at the rate of 1/8 in. per foot in the direction of the flow. Horizontal sanitary piping 3 in. and smaller shall be pitched at the rate of 1/4 in. per foot in the direction of the flow.

C. When connecting new piping to existing, the existing waste lines shall be tested and thoroughly cleaned to insure proper operation of all new and existing systems.

D. Vent System: Furnish and install piping to vent all stacks, fixtures, traps and appliances as indicated on the drawings and/or required to meet the Plumbing Code. All vent piping shall be concealed where possible with the horizontal pipe pitching back toward fixtures to allow connection to drain. Whether indicated on plan, riser diagram or not, offset vents below the roof to avoid air intakes, equipment, penthouse mansard etc., bring vents through the roof a minimum of 25 ft. away from air intakes, windows, and operable sash and 10 ft. away from other obstructions.

3.12 HOT AND COLD WATER SYSTEMS

A. Furnish and install complete cold, hot and hot water return systems to service all fixtures and equipment indicated on the drawings or specified as requiring cold or hot water. Cold water piping shall start at the connection to the water main indicated on plan and extend to all fixtures and equipment, including piping, fittings and valves requiring connections. Hot water piping shall extend from the hot water heater to all fixtures and equipment, including piping, fittings and valves. In general, piping shall pitch upward in the direction of flow with each branch and riser separately valved and with 1/2 in. hose end drains on the outlet side of the valve and at all low points in the systems. Install valves for each battery of fixtures and other valves as necessary to isolate all parts of these systems. All valves shall be accessible.

B. Hot water piping shall be circulated as shown on plans to ensure uniform temperatures throughout the system. All branches larger than 50 ft. shall be provided with hot water return lines.

3.13 GAS SYSTEM

A. Furnish and install pipe, fittings, valves and connections to all gas-fired equipment and all accessories and incidentals as indicated or specified to maintain a complete gas system. Install solenoid valves supplied by others as required. Installations shall be made in accordance with the State Gas Code requirements. All horizontal gas piping shall be pitched not less than 1/4 in. in 15 ft. to prevent traps. Pitch piping to risers. Install an 8 in. long sediment leg at the base of all risers.

B. All changes in direction shall be made with plugged tees for cleaning out piping. All horizontal branch outlet pipes shall be taken from the top or side of horizontal mains and not from the bottom. Coordinate the installation of the gas system with the utility company and General Contractor.

C. Provide gas train vents to the atmosphere for all gas-fired equipment as required by Code.

3.14 CHLORINATION

A. All water lines and water service shall be thoroughly flushed and chlorinated before being put into service. The domestic cold and hot water systems shall be chlorinated and flushed in accordance with the requirements of the State Plumbing Code and Local Inspector.

B. Submit a certificate of compliance when chlorination has been completed stating when performed, by whom and who witnessed the procedure.

END OF SECTION

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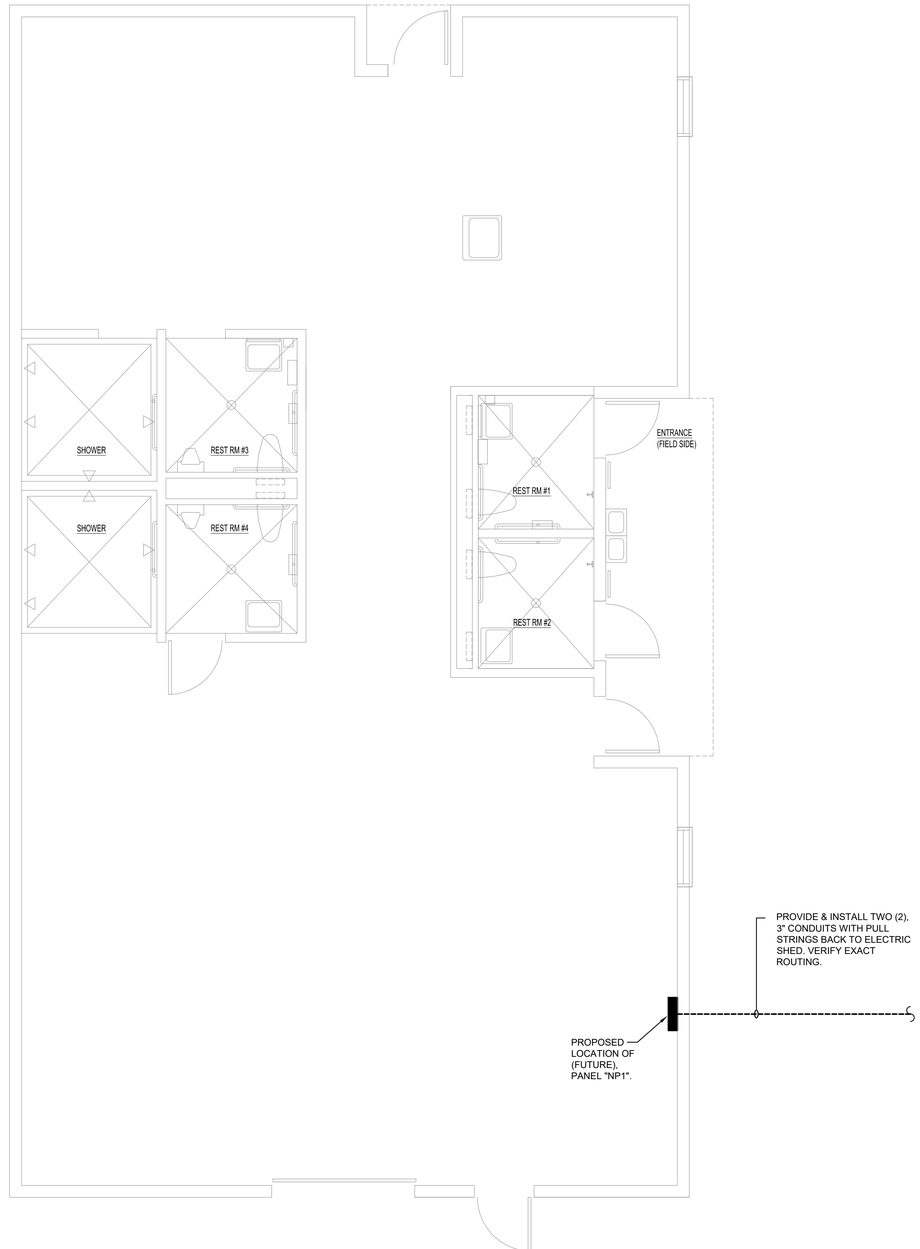
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P2-1
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ENGINEERING DESIGN SERVICES INCORPORATED
141 Industrial Highway Slatersville, RI 02876
Tel (401) 765-7639 Fax (401) 765-2984



NORTH

POWER FLOOR PLAN - FIELDHOUSE
1/4" = 1'-0"

ENGINEERING DESIGN SERVICES INCORPORATED
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