

HIGHLAND CENTRAL SCHOOL DISTRICT

HIGHLAND MIDDLE SCHOOL

2022 CAPITAL IMPROVEMENT PROJECT - PHASE 1

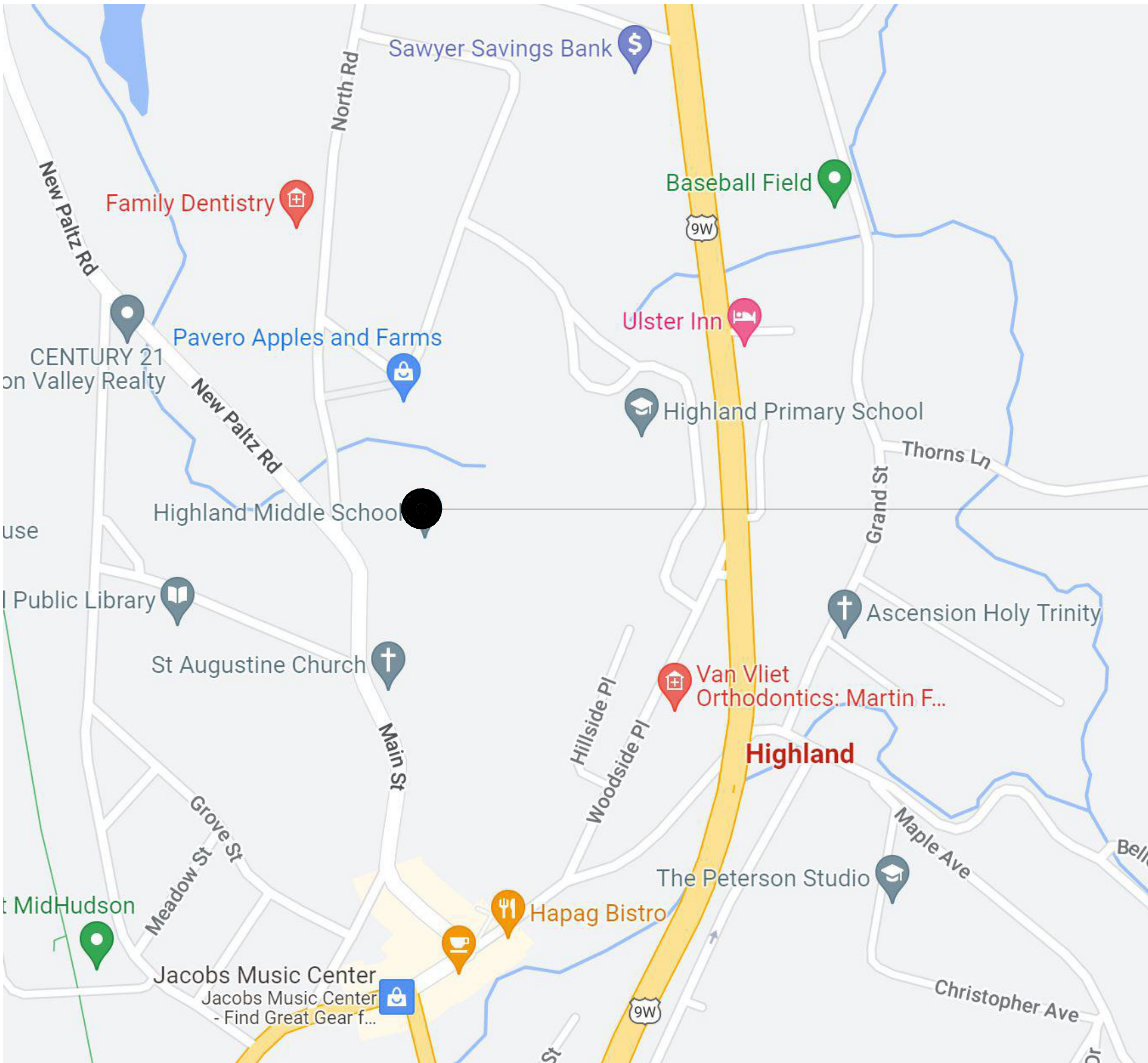


ISSUED FOR BID: 08/18/23

CSARCH - ARCHITECTS
PASSERO ASSOCIATES - SITE CIVIL & STRUCTURAL ENGINEERS
BLAKE ENGINEERING, PLLC - M.E.P. ENGINEERS
QUALITY ENVIRONMENTAL SOLUTIONS & TECHNOLOGIES, INC. - HAZARDOUS MATERIALS DESIGNER

STATE EDUCATION DEPARTMENT PROJECT CONTROL NUMBER:
HIGHLAND MIDDLE SCHOOL 62-08-03-04-0-001-010
THE DESIGN OF THIS PROJECT CONFORMS TO APPLICABLE PROVISIONS OF THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE, AND THE MANUAL OF PLANNING STANDARDS OF THE NEW YORK STATE EDUCATION DEPARTMENT.

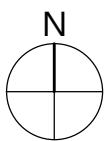
CSArch PROJECT NO. 197-2201.01



HIGHLAND MIDDLE SCHOOL
71 MAIN STREET,
HIGHLAND, NY 12528

VICINITY MAP

NTS



DRAWING LIST

HIGHLAND BUS GARAGE (HBG)

GENERAL DRAWINGS

HMS G000 COVER
HMS G001 SYMBOLS, ABBREVIATIONS, KEY PLANS, AND MISC.

CIVIL DRAWINGS

HMS C120 EXISTING CONDITIONS AND KEY PLAN
HMS C130 DEMOLITION, SITE PLAN, AND DETAILS

LIFE SAFETY DRAWINGS

HMS LS112 FIRST FLOOR LIFE SAFETY PLAN - GYMNASIUM

ARCHITECTURAL DRAWINGS

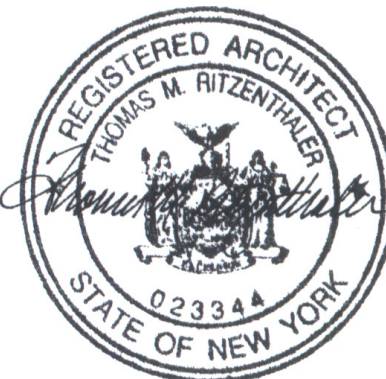
HMS A110 FIRST FLOOR OVERALL NEW WORK PLAN
HMS A501 STAIRS, RAMPS, & LANDINGS PLANS
HMS A502 STAIRS, RAMPS, & LANDINGS PHOTOS
HMS A503 STAIRS, RAMPS, & LANDINGS PHOTOS
HMS A504 STAIRS, RAMPS, & LANDINGS REPAIR DETAILS

ELECTRICAL GENERAL DRAWINGS

HMS E101 ELECTRICAL NOTES, LEGEND, SCHEDULES & DETAILS

ELECTRICAL DRAWINGS

HMS E201 GYMNASIUM SOUND SYSTEM PLAN

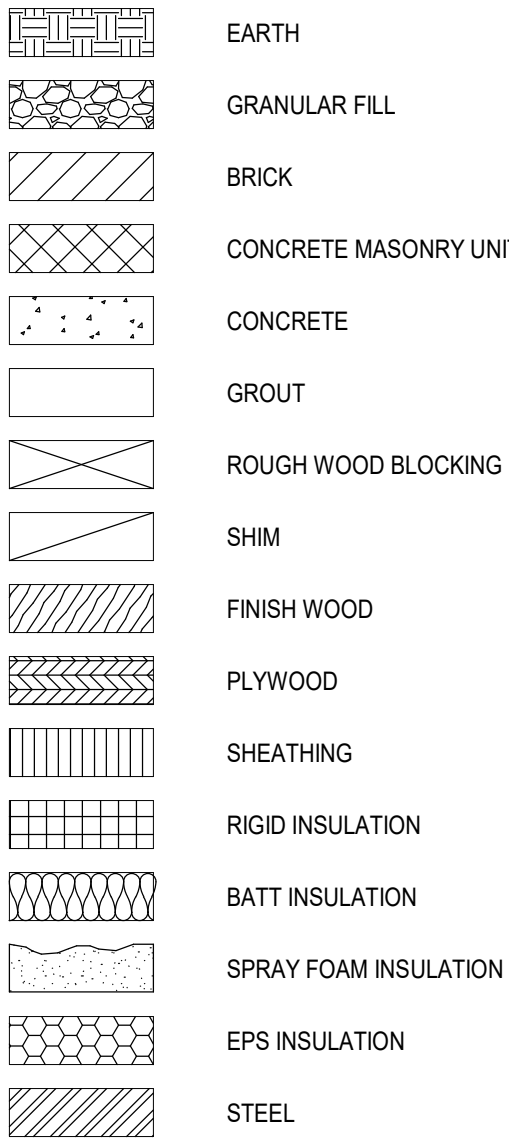


ABBREVIATIONS

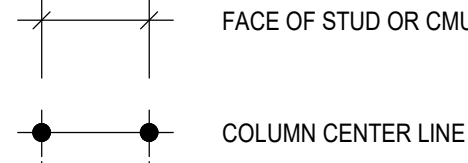
ABBREVIATION	DESCRIPTION
ADD	ADDENDUM
ADMIN	ADMINISTRATIVE
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
APPROX	APPROXIMATE
ARCH	ARCHITECT / ARCHITECTURAL
AV	AUDIO VISUAL
BLDG	BUILDING
BOT OR B1	BOTTOM OF BASEMENT
BSMT	
CJ	CONTROL / CONSTRUCTION JOINT
CL	CENTERLINE
CLG / CLNG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONF	CONFERENCE
CONT	CONTINUOUS
COORD	COORDINATE
CORR	CORRIDOR
DEMO	DEMOLITION
DET	DETAIL
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
ED	EDUCATION
EIFS	EXTERIOR INSULATION FINISH SYSTEM
ELECT	ELECTRIC / ELECTRICAL
EPDM	ETHYLENE PROPYLENE DIENE MONOMER
EQ	EQUAL
EQUIP	EQUIPMENT
EXST	EXISTING
EJ	EXPANSION JOINT
EXT	EXTERIOR
FIN	FINISH
FIN FL	FINISH FLOOR
FKT	FIXTURE
FLR	FLOOR
FRT	FIRE-RETARDANT-TREATED MATERIAL
FTG	FOOTING
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED(I)
GC	GENERAL CONTRACT(OR)
GND	GROUND
GWB	GYPSUM WALL BOARD
GWBS	GYPSUM WALL BOARD SOFFIT
HC	HANDICAPPED ACCESSIBLE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR
HT	HEIGHT
HTG	HEATING
HVAC	HEATING/VENTILATING/AIR CONDITIONING
ID	INSIDE DIMENSION
IN	INCH / INCHES
INT	INTERIOR
JAN	JANITOR
JC	JANITOR'S CLOSET
JST	JOIST
JT	JOINT
LAB	LABORATORY
LB	POUND
LN	LINEAR
LVL	LEVEL
MAN	MANUAL
MAS	MASONRY
MAX	MAXIMUM
MDF	MEDIUM DENSITY FIBERBOARD
MECH	MECHANICAL
MEZZ	MEZZANINE
MFR	MANUFACTURE(R)
MD	MIDDLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MTL	METAL
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
OA	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER
OHHD	OVERHEAD
OFT	OPTIONAL
OZ	OUNCE
PERIM	PERIMETER
PLAM	PLASTIC LAMINATE
PLBG	PLUMBING
PLAS	PLASTER
PLYWD	PLYWOOD
PNL	PANEL
PNT	PAINT(ED)
POLYSO	POLYISOCYANURATE
PPT	PRESSURE PRESERVATIVE TREATED
PR	PAIR
PREP	PREPARATORY
PTN	PARTITION
PVC	POLYVINYL CHLORIDE
RAD	RADIUS
RB	RUBBER / RUBBER WALL BASE
REQD	REQUIRED
RM	ROOM
RND	ROUND
RO	ROUGH OPENING
SCH	SCHEDULED
SECT	SECTION
SF	SQUARE FEET
SIM	SIMILAR
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL / STRUCTURE
SUSP	SUSPENDED
SAC	SUSPENDED ACOUSTICAL CEILING
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TECH	TECHNOLOGY
TEMP	TEMPERARY
TPD	TEMPERED
TOM	TOP OF MASONRY
TOS	TOP OF STEEL
TYP	TYPICAL
UL	UNDERWRITERS LABORATORY
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VEST	VESTIBULE
VF	VERIFY IN FIELD
W	WITH
W/O	WITHOUT
WD	WOOD
WPT	WOOD PRESERVED-TREATED MATERIAL
WT	WEIGHT
YD	YARD

ARCHITECTURAL LEGEND

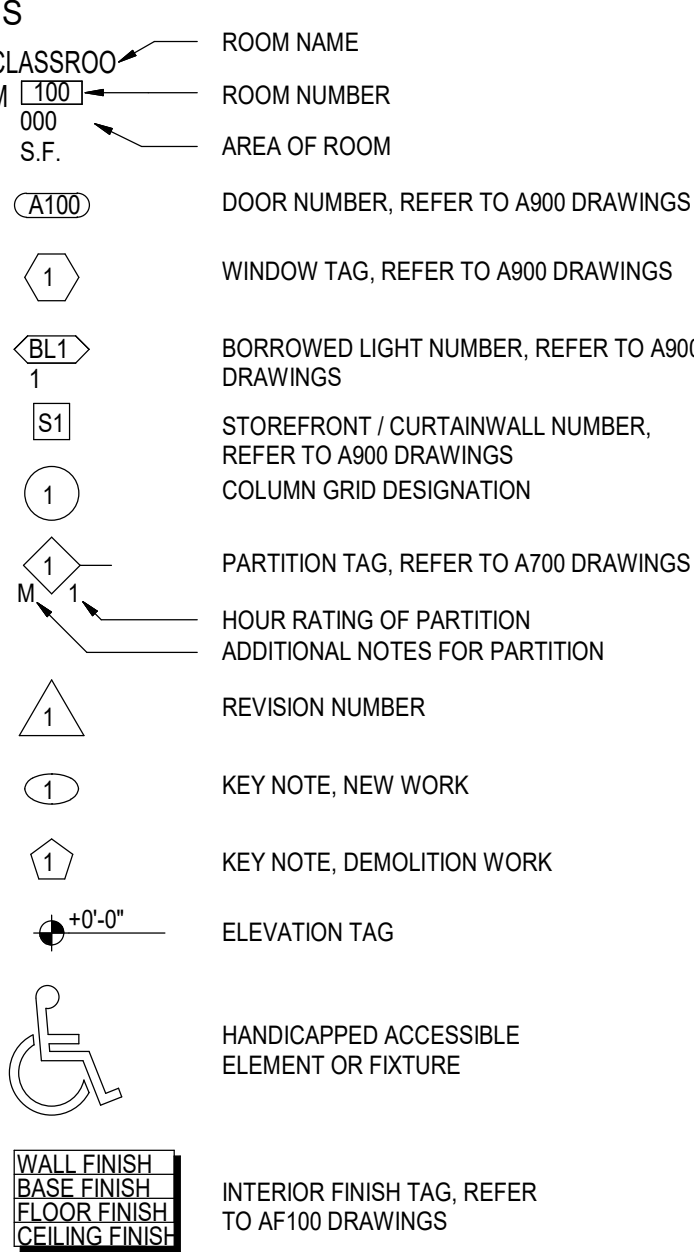
MATERIAL INDICATIONS



DIMENSIONING CONVENTIONS



SYMBOL

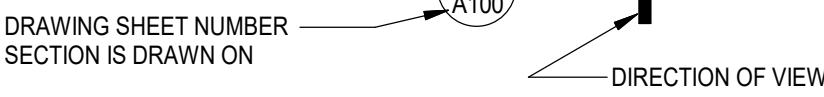


DETAIL INDICATOR LEGEND

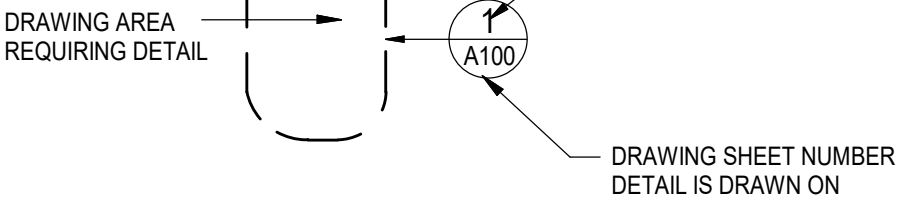
SECTION INDICATOR



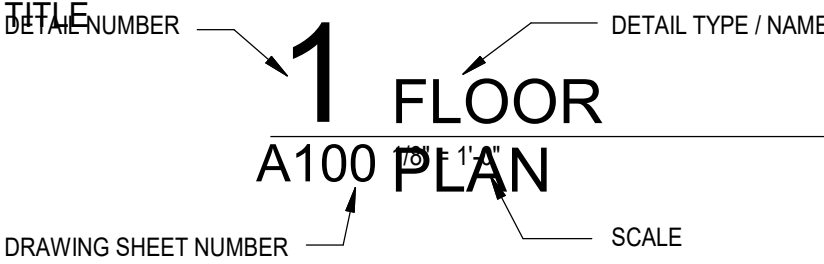
DETAIL INDICATOR (SECTION)



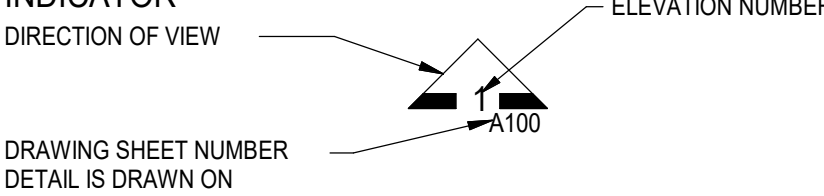
ENLARGED DETAIL INDICATOR



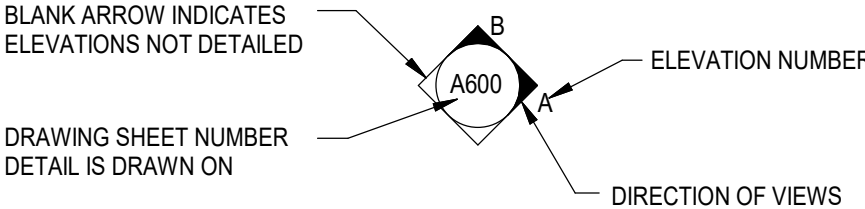
DETAIL



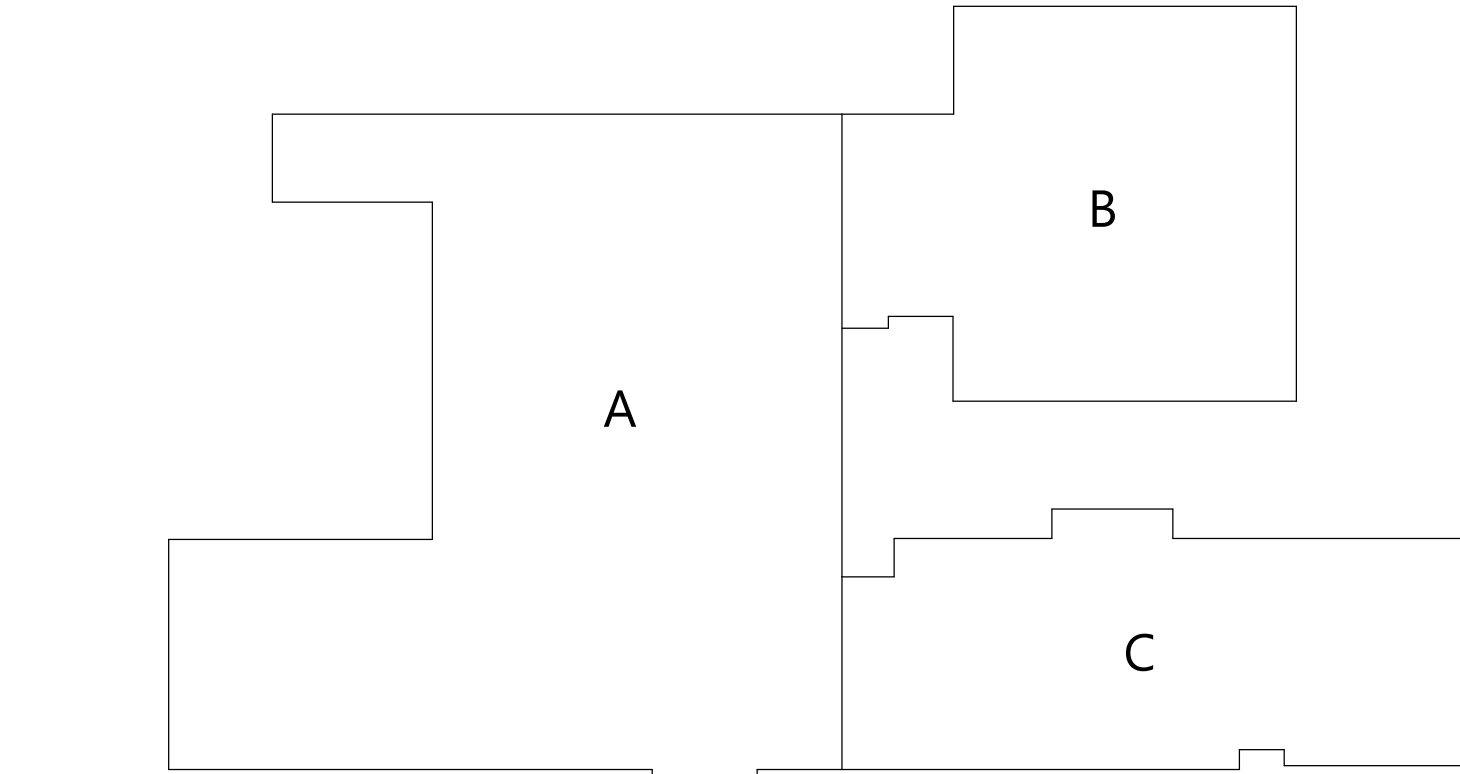
EXTERIOR ELEVATION INDICATOR



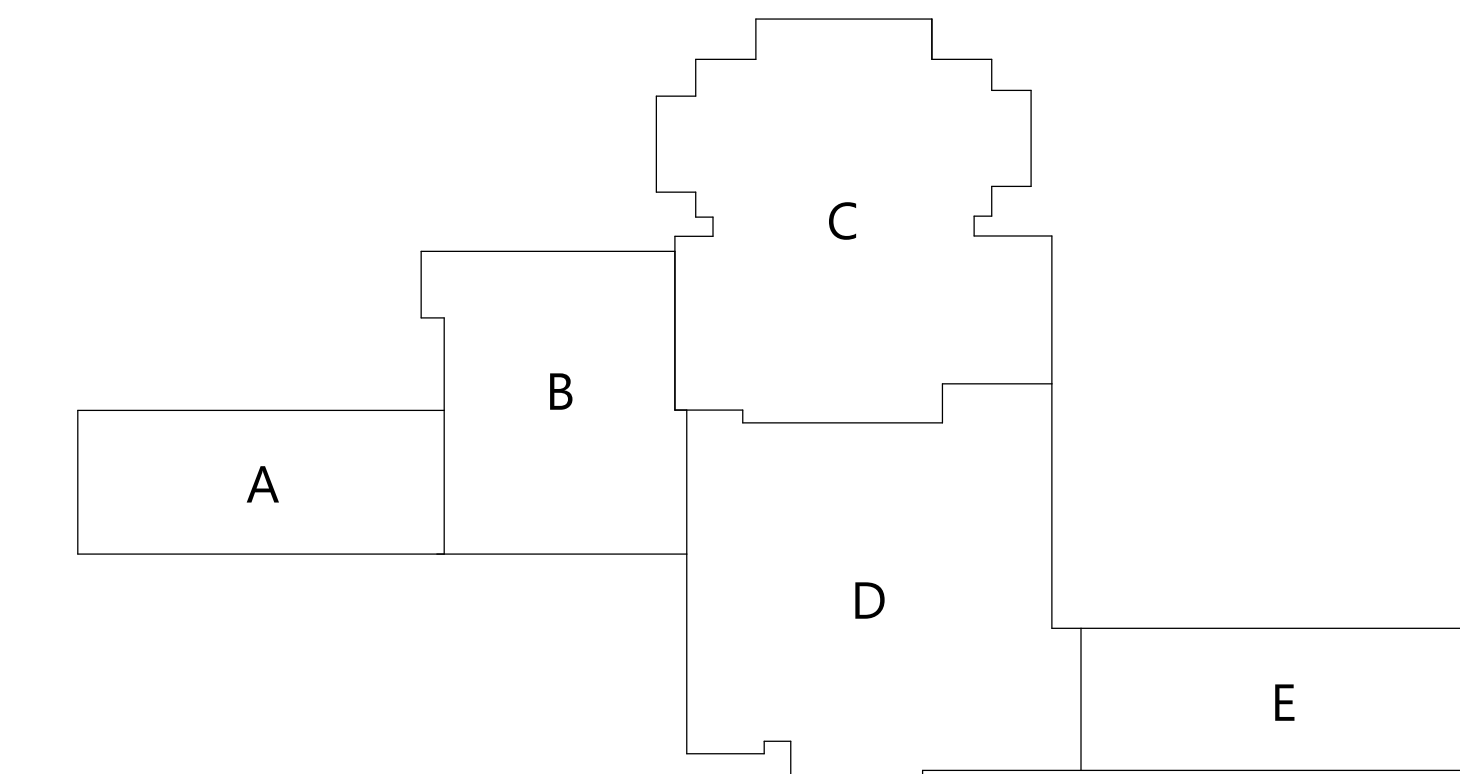
INTERIOR ELEVATION INDICATOR



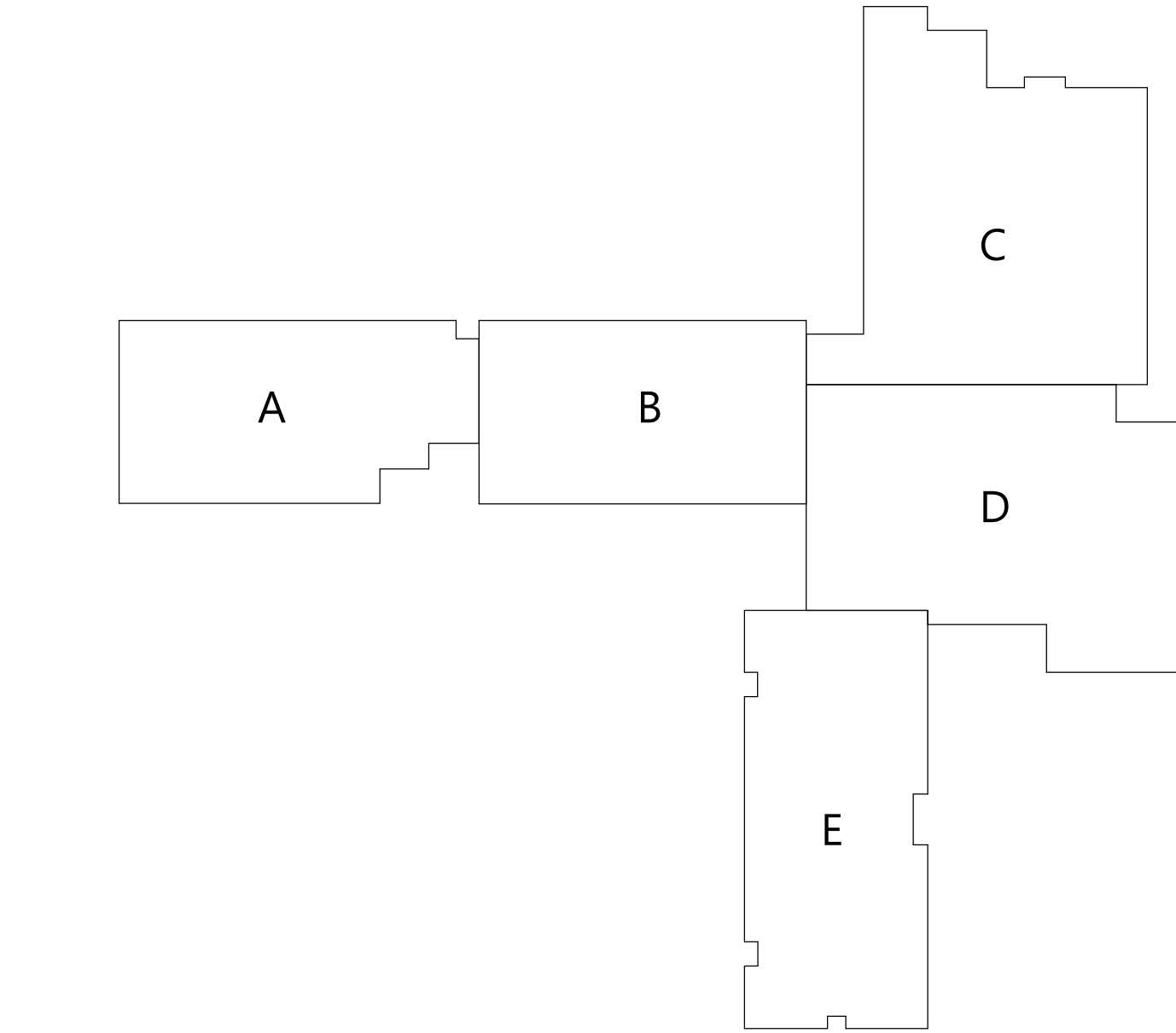
BUILDING KEYPLANS



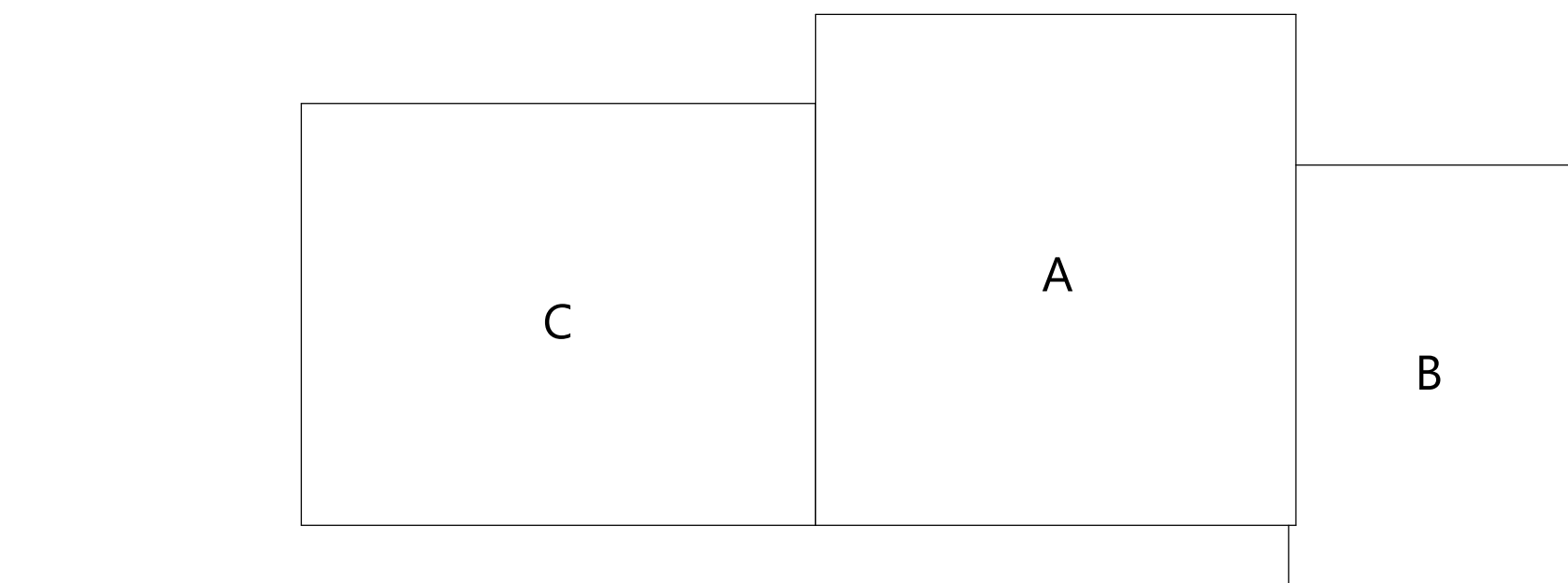
HIGHLAND MIDDLE SCHOOL (HMS)



HIGHLAND HIGH SCHOOL (HHS)

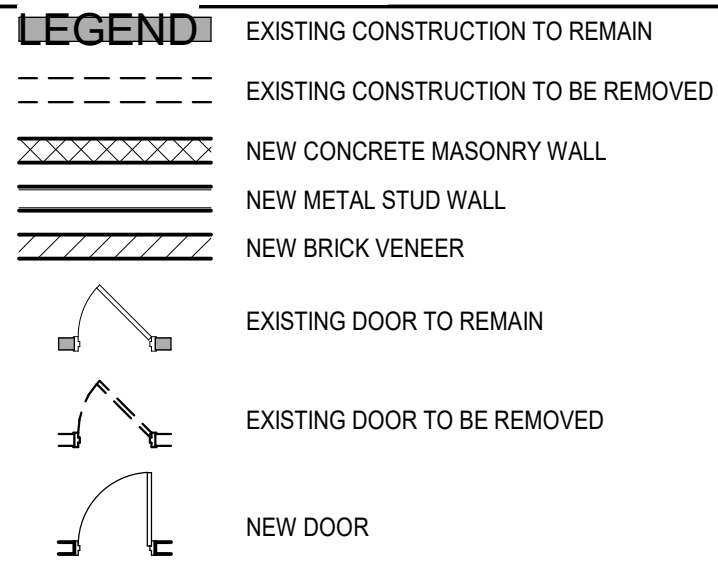


HIGHLAND ELEMENTARY SCHOOL (HES)

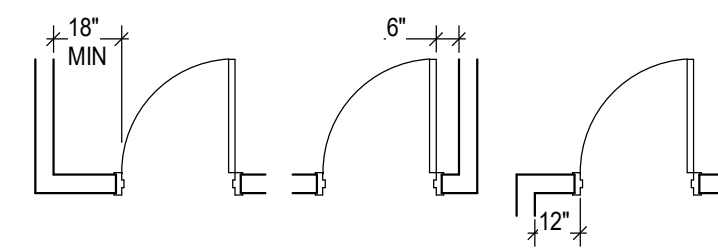


HIGHLAND BUS GARAGE (HBG)

PLAN GRAPHICS



FINISHED DOOR OPENINGS SHALL BE LOCATED AS INDICATED BELOW UNO. DIMENSIONS SHOWN ARE CLEAR DIMENSIONS FROM INSIDE OF FRAME TO WALL FINISH.



GENERAL NOTES

- DIMENSIONS ARE GIVEN THUS (UNLESS NOTED OTHERWISE)
A. TO FACE OF MASONRY WALL
B. TO FACE OF METAL STUD
C. TO COLUMN CENTERLINES
D. TO FINISH FACE OF SOFFIT OR CEILING
E. FACE OF EXISTING CONSTRUCTION
- DO NOT SCALE DRAWINGS. IF A DIMENSION IS NOT SHOWN, BRING IT TO THE ATTENTION OF THE ARCHITECT FOR VERIFICATION BEFORE PROCEEDING WITH THE ASSOCIATED WORK
- WALLS ON COLUMN LINES ARE CENTERED UNO
- ALL DIMENSIONS RELATED TO EXISTING CONDITIONS SHALL BE VERIFIED IN FIELD. CONTRACTOR TO NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK IN THAT AREA
- LAYOUT OF TOILET FIXTURES AND ACCESSIBILITY CLEARANCES ARE SHOWN AS CLEAR DIMENSION. CONTRACTORS ARE REQUIRED TO COORDINATE LAYOUTS OF PARTITIONS, UTILITY CONNECTIONS, AND THICKNESS OF FINISHES TO ALLOW THESE CLEAR DIMENSIONS.
- ALL ELEVATIONS (X-X') ARE REFERENCE FROM FIRST FLOOR ELEVATION
- ALL WOOD BLOCKING WITHIN ROOFING SYSTEM AND WITHIN 2'-0" OF GRADE SHALL BE PRESSURE TREATED
- ALL FLOOR PENETRATIONS SHALL BE SMOKE-SEALED AND/OR FIRE STOPPED. COORDINATE WITH HF DWGS FOR SMOKE / FIRE DAMPER REQUIREMENTS.
- FOR INTERIOR PARTITION TYPES, REFER TO DRAWING A701
- FOR DOOR SCHEDULE, REFER TO DRAWING A901
- FOR FINISH SCHEDULE, REFER TO DRAWING AF901
- ALL EXPOSED SURFACES OF NEW PARTITIONS AND SOFFITS ARE TO BE FINISHED.
- PROVIDE PATCH TO MATCH EXISTING FINISHES AT ALL REMOVAL AREAS, COORDINATE WITH DEMOLITION DRAWINGS AND SPECIFICATIONS.
- FOR ALL MATERIAL TESTING, REFER TO SPECIFICATION DIVISION 000220
- ALL CONSTRUCTION SHOWN IS NEW UNLESS NOTED OTHERWISE

1. EXISTING CONDITIONS SHOWN ARE BASED ON THE BOUNDARY AND TOPOGRAPHIC SURVEY PREPARED BY BOLTON SURVEYING P.C. ON DEC. 31, 2014 AND REVISED JANUARY 11, 2015.

2. CONTRACTOR SHALL VERIFY THE ACTUAL SITE CONDITIONS. CONTRACTOR SHALL IDENTIFY DISCREPANCIES THAT AFFECT THE WORK TO THE OWNER AND THE OWNER SHALL OBTAIN APPROVAL FOR DEVIATIONS PRIOR TO PROCEEDING WITH THE WORK.

3. CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES VERTICALLY AND HORIZONTALLY AND SHALL PROTECT ALL EXISTING UTILITIES WHICH AFFECT THE WORK, AND OBTAIN WRITTEN APPROVAL FROM THE OWNER REPRESENTATIVE FOR ADJUSTMENTS TO THE WORK.

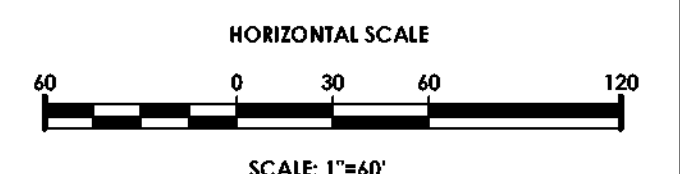
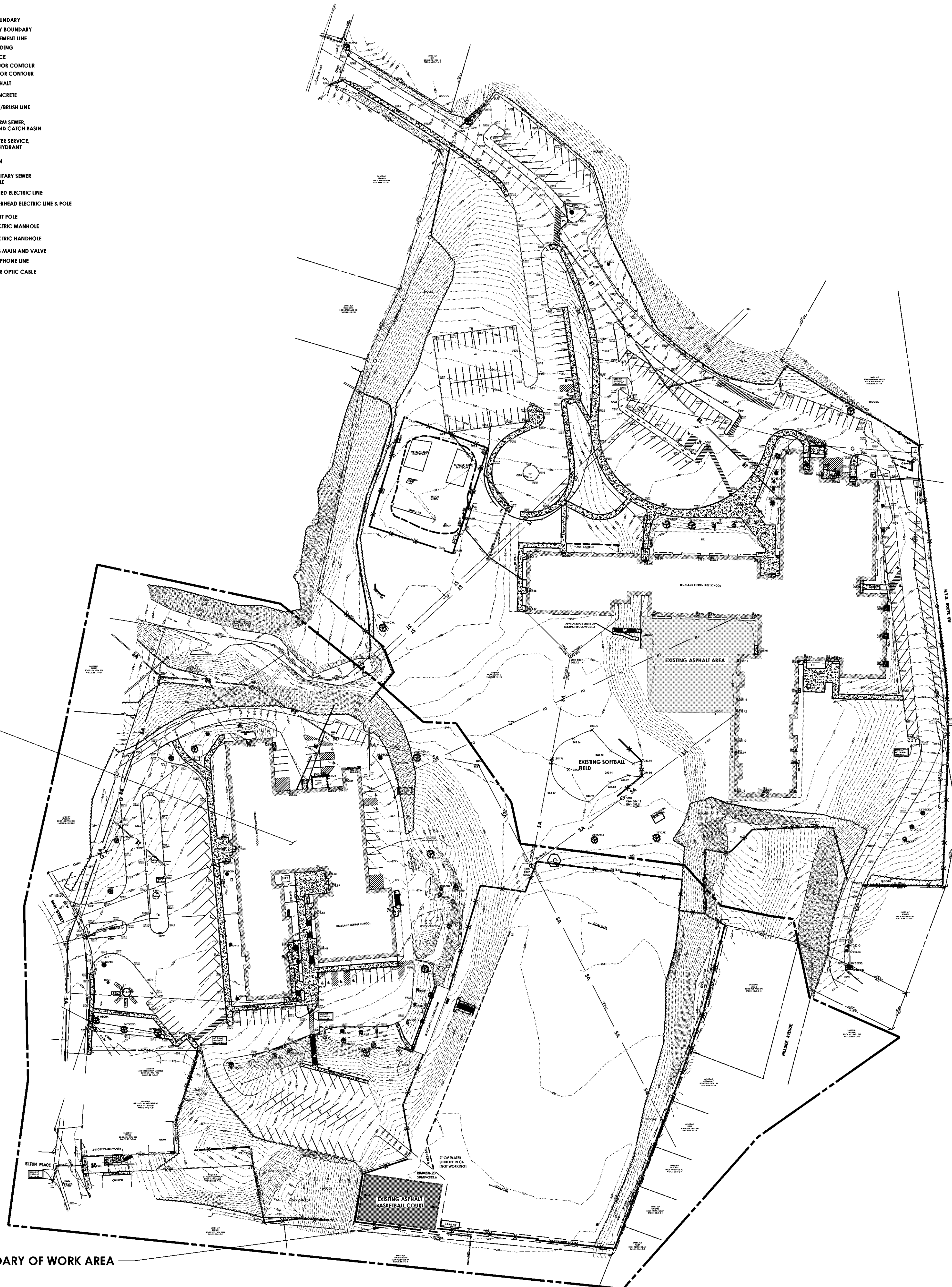
4. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES DURING THE WORK, AND VERIFY THEIR FUNCTIONALITY FOLLOWING INSTALLATION OF THE NEW CONCRETE.

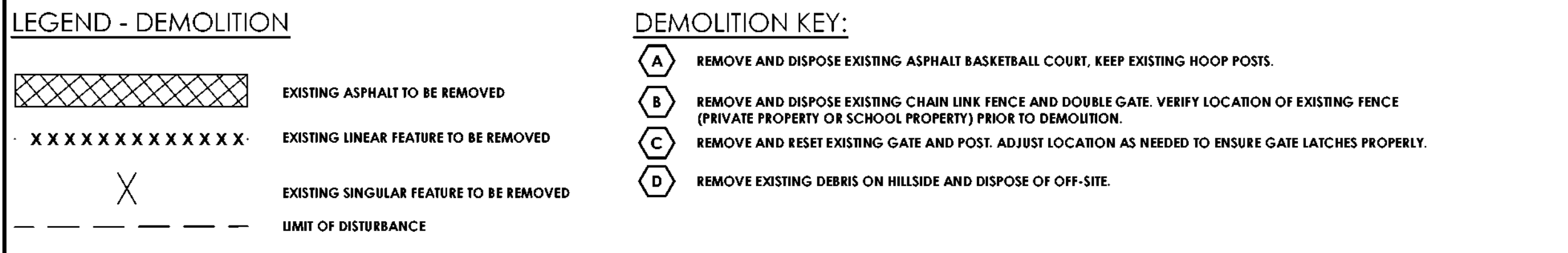
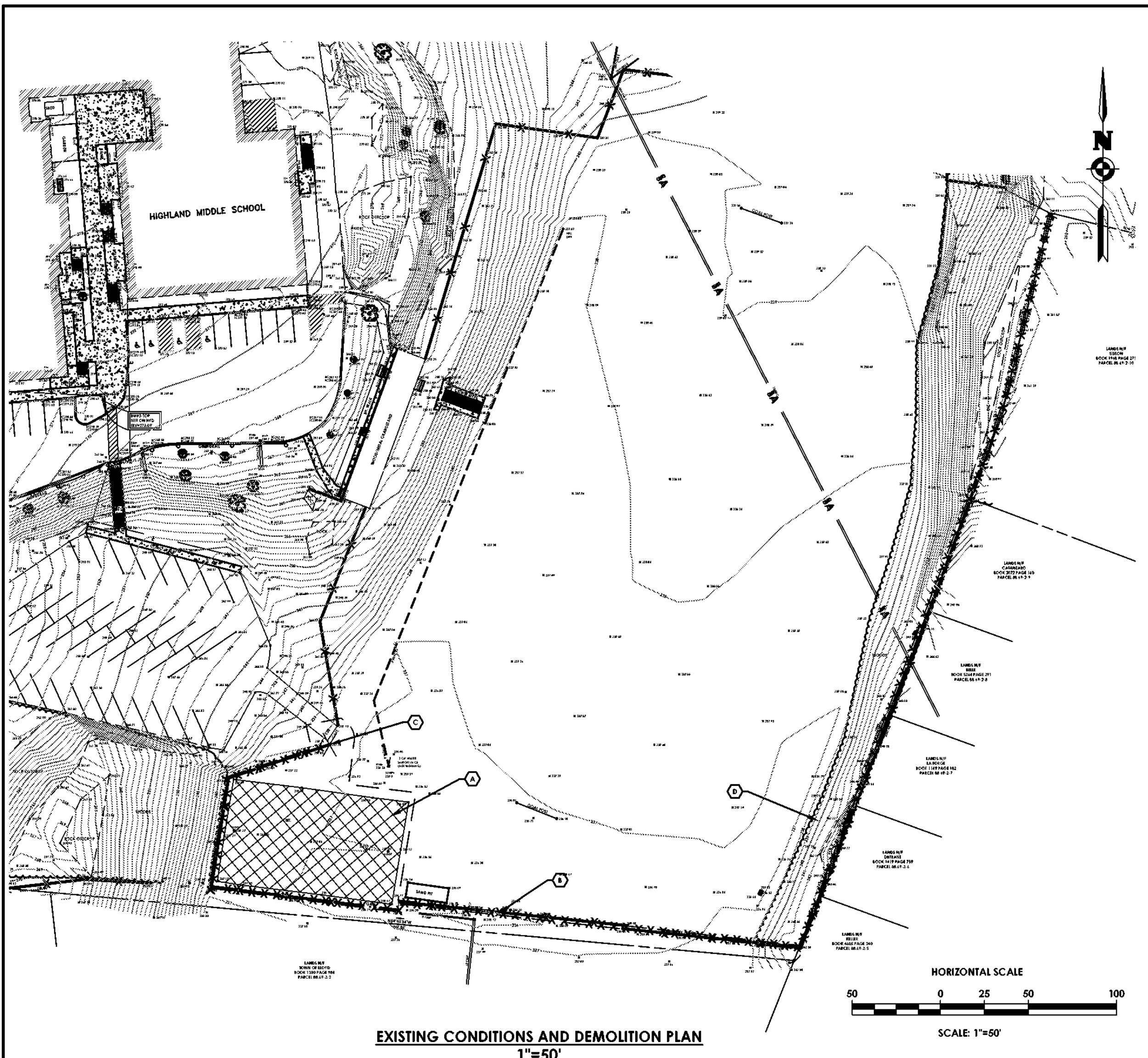
5. UPON COMPLETION, ALL PAYMENT AREAS SHALL BE SMOOTH, ALL CURBS SHALL HAVE A 6-INCH RISE UNLESS OTHERWISE SPECIFIED, AND STORMWATER DRAINAGE SHALL BE MAINTAINED.

6. ALL EXISTING SURFACE UTILITIES SHALL BE FLUSH WITH ADJACENT CONCRETE OR LAWN SURFACE.

7. RESTORATION DAMAGED DURING THE WORK WITH MATERIALS MATCHING THE EXISTING CONDITION.

	PROPERTY BOUNDARY
	RIGHT OF WAY BOUNDARY
	EXISTING EASEMENT LINE
	EXISTING BUILDING
	EXISTING FENCE
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EXISTING ASPHALT
	EXISTING CONCRETE
	EXISTING TREE/BRUSH LINE
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	PROPERTY BOUNDARY
	RIGHT OF WAY BOUNDARY
	EXISTING EASEMENT LINE
	EXISTING BUILDING
	EXISTING FENCE
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
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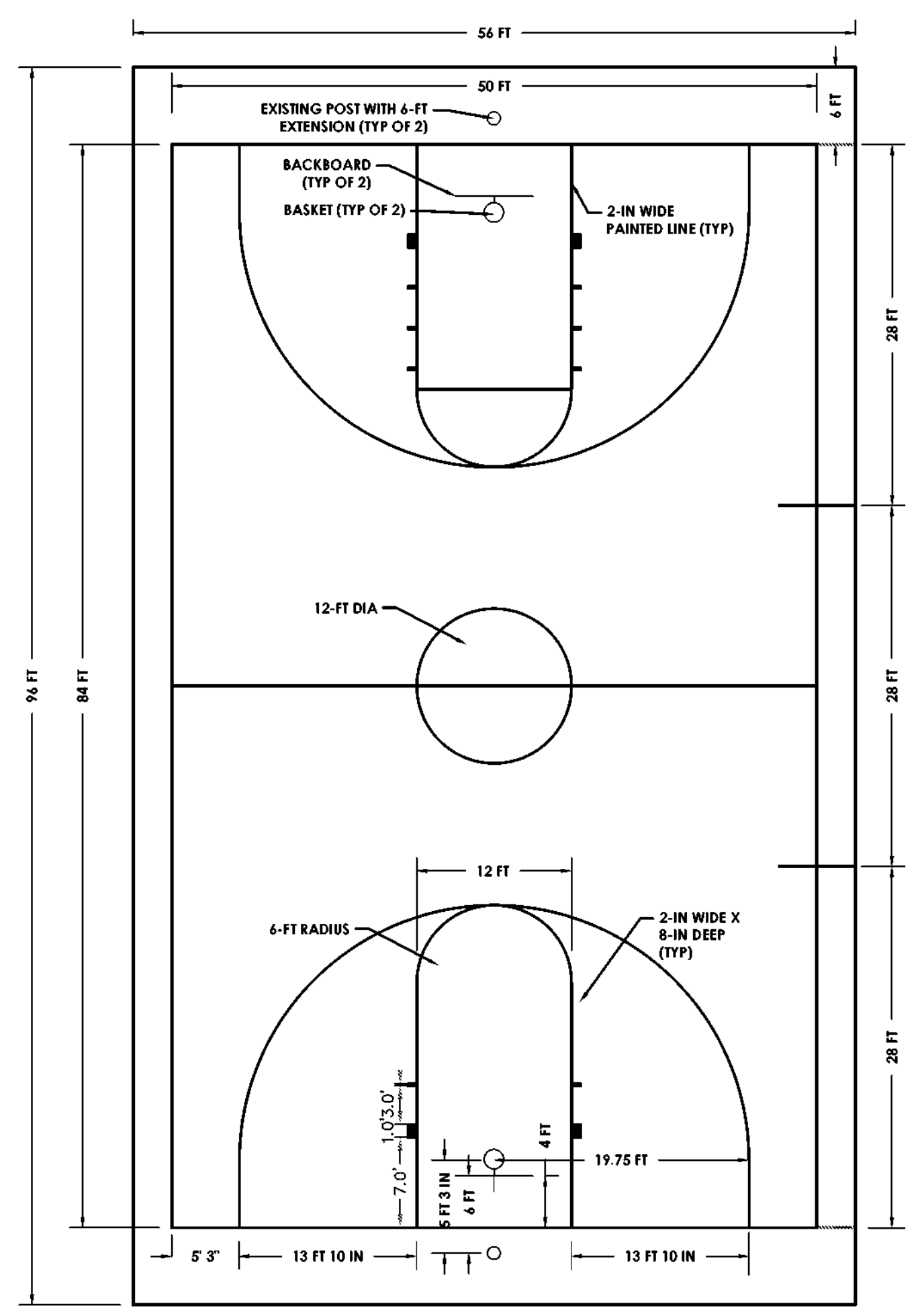
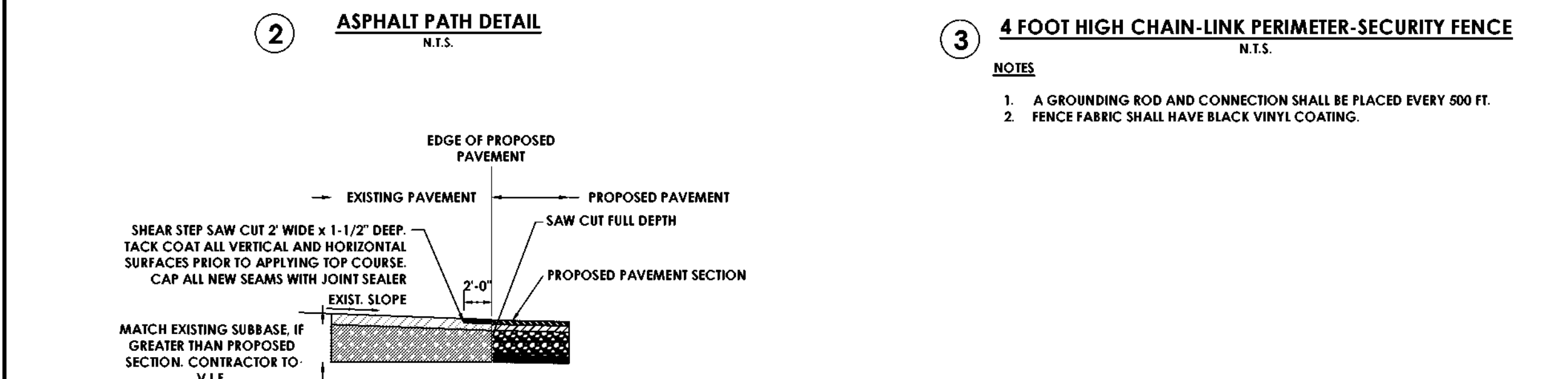
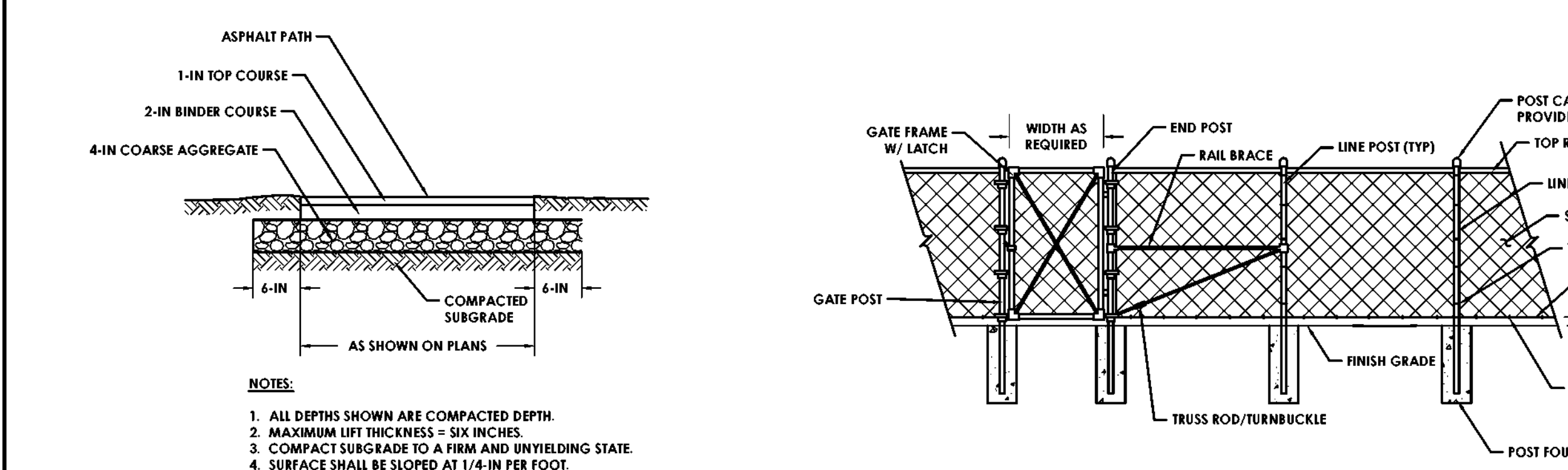


DEMOLITION NOTES:

- DIMENSIONS SHOWN ARE APPROXIMATE AND MAY VARY BASED ON FIELD CONDITIONS.
- SECURITY: PROVIDE INSTALL AND MAINTAIN TEMPORARY BARRIERS AND SECURITY DEVICES.
- DISPOSE: CONTRACTOR IS RESPONSIBLE TO CALL DISPOSE PRIOR TO BEGINNING DEMOLITION.
- APPLICABLE: THE CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION WORK INCLUDING ALL REMOVALS AS NECESSARY FOR THE CONSTRUCTION OF THE WORK EVEN IF NOT SPECIFICALLY NOTED ON THE CONTRACT DOCUMENTS.
- COORDINATION: CONTRACTOR SHALL COORDINATE THE REMOVAL OF DEMOLISHED MATERIAL WITH THE OWNERS REPRESENTATIVE SITE FURNISHINGS AND MATERIAL DETERMINED TO BE REMOVED SHALL BE REMOVED AND EXPORTED OFF-SITE.
- PROTECT: ALL EXISTING FEATURES TO REMAIN, DAMAGE TO EXISTING ASPHALT, LAWN AND OTHER FEATURES TO REMAIN SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- EXISTING UTILITIES: THAT ARE PROPOSED TO BE REMOVED, UNLESS OTHERWISE INDICATED, SHALL BE EXCAVATED, UTILITY MATERIAL REMOVED, AND DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE SPECIFICATIONS. ALL TRENCHES SHALL BE BACKFILLED WITH GRANULAR FILL, COMPACTED IN 12" LIFTS TO 90% MODIFIED PROCTOR TEST. ALL DISTURBED AREAS SHALL BE RESTORED IN KIND IN ACCORDANCE WITH THE DETAILS IN THESE PLANS AND AT A MINIMUM TO THEIR ORIGINAL STATE.
- SAVING: AREAS OF ASPHALT AND CONCRETE REMOVAL SHALL BE SAVICUT WITH A HEAT STRAIGHT LINE AT ALL REMOVAL LIMITS.
- PERMITS: CONTRACTOR IS RESPONSIBLE TO OBTAIN ALL PERMITS REQUIRED FOR DEMOLITION AND CONSTRUCTION, INCLUDING ALL FEES ASSOCIATED WITH THOSE PERMITS, IN THE BD.
- ENVIRONMENTAL: CONDITIONS OR ISSUES, NOT PREVIOUSLY IDENTIFIED, ARE ENCOUNTERED DURING DEMOLITION, THE CONTRACTORS SHALL IMMEDIATELY NOTIFY THE OWNER AND ENGINEER BEFORE CONTINUING THE DEMOLITION PROCESS.

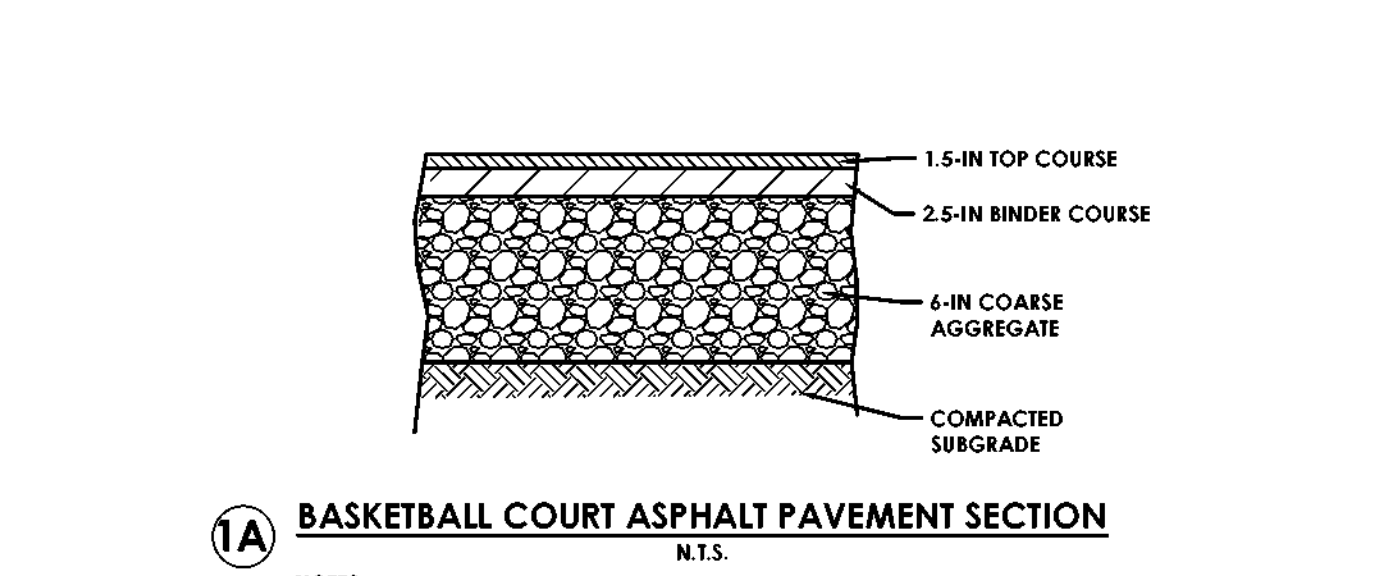
PAVEMENT DEMOLITION NOTES:

- REMOVE FULL DEPTH OF ASPHALT AND/OR CONCRETE.
- EXISTING SUB-BASE SUB-BASE ENCOUNTERED DURING EXCAVATION SHALL BE STOCKPILED FOR RE-USE. EXCESS OR UNSUITABLE MATERIALS SHALL BE HAULED OFF-SITE.
- PREPARE AND PLACE A SUB-BASE COURSE COMPOSED OF A BLEND OF THE EXISTING SUB-BASE (FROM STOCKPILE) AND ADDITIONAL STONE AGGREGATE (IF NEEDED) TO OBTAIN THE SPECIFIED DEPTH.



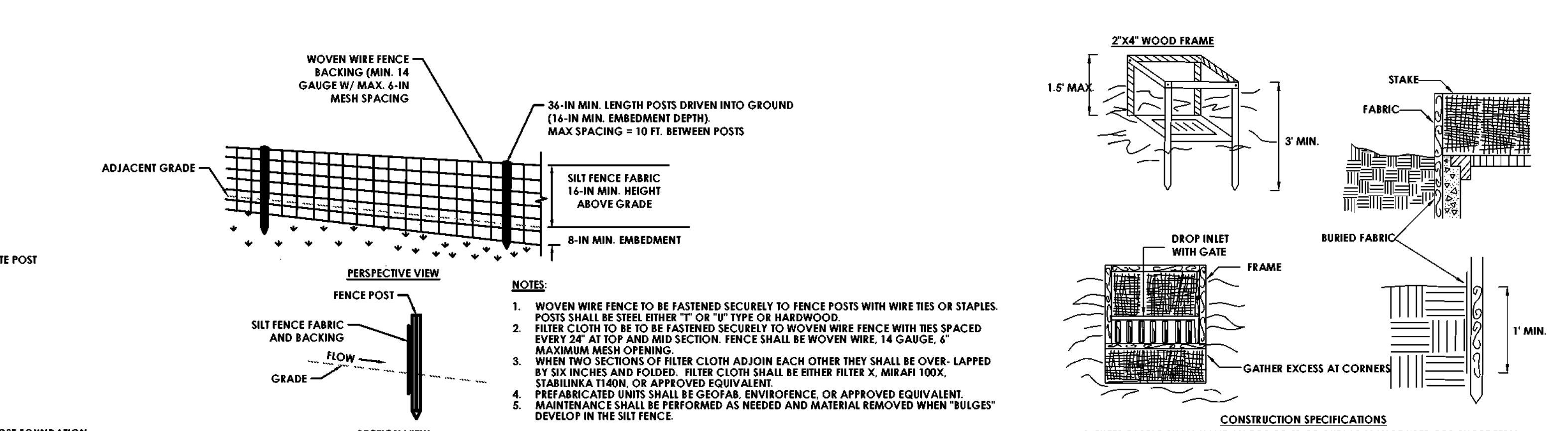
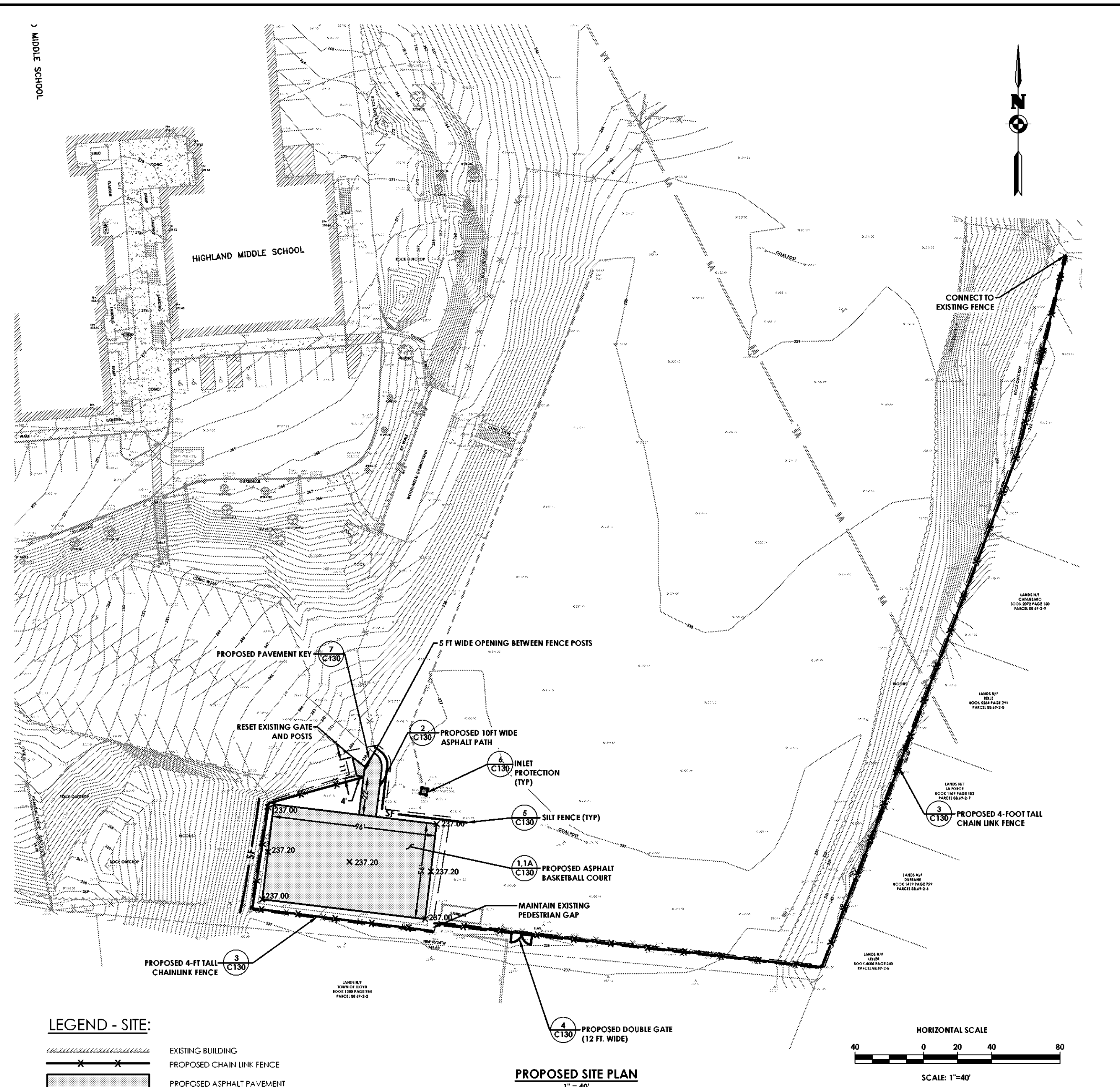
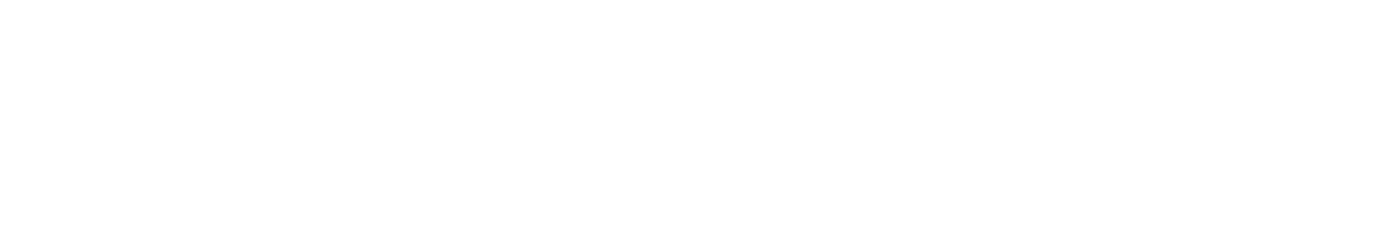
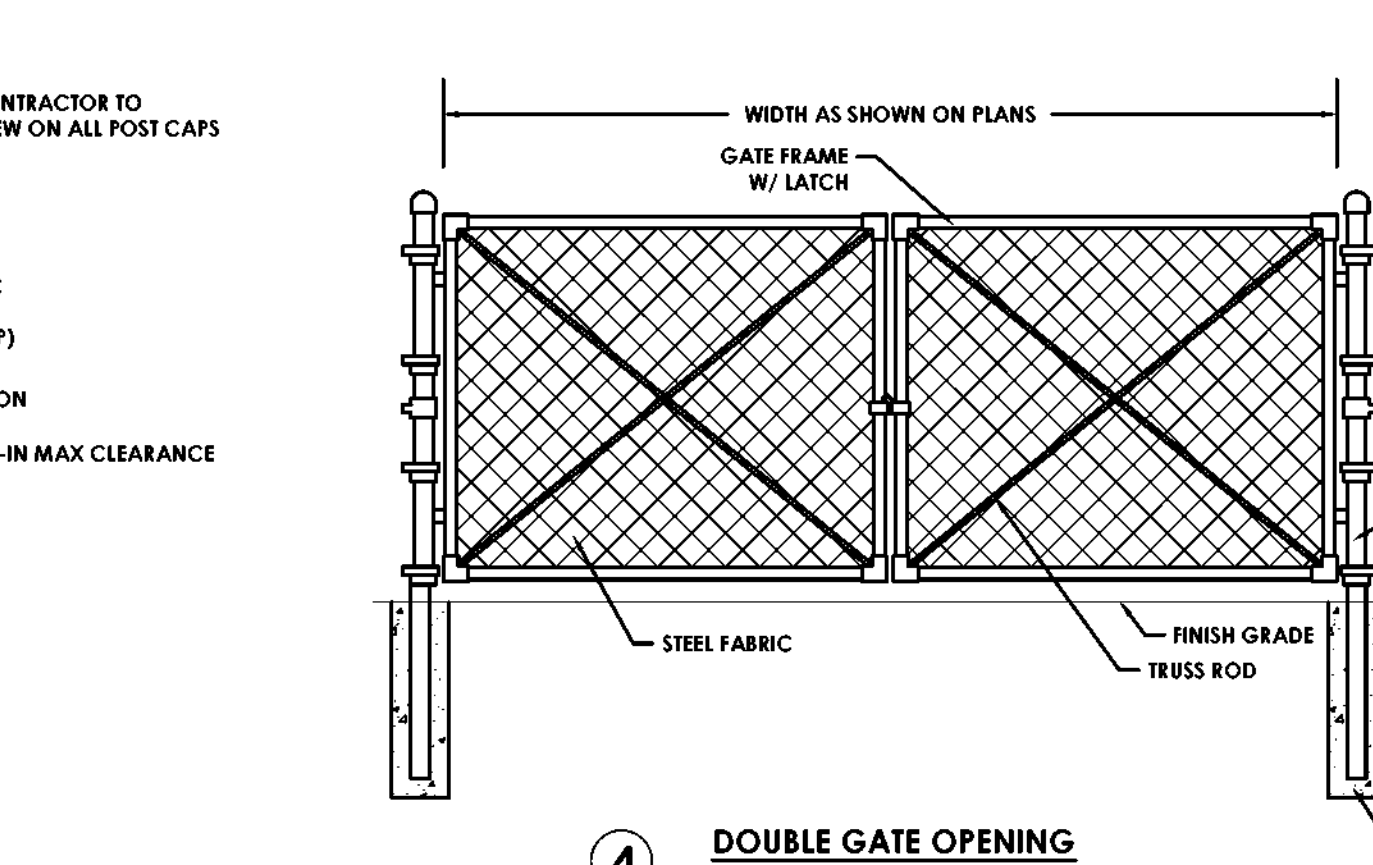
NOTES:

- THE TOP OF THE METAL BASKET RING SHALL BE 10 FT ABOVE THE PLAYING SURFACE AS RECOMMENDED BY THE NFHS BASKETBALL HANDBOOK.
- PITCH FINISH GRADE AWAY FROM GOAL POSTS.



NOTES:

- FOLLOWING REMOVAL OF THE EXISTING ASPHALT, CONTRACTOR SHALL INSPECT THE SUB-BASE MATERIALS. IF EXISTING SUB-BASE IS SUITABLE FOR RE-USE, TO BE CONFIRMED BY THE ENGINEER, THE CONTRACTOR MAY GRADE AND COMPACT THE EXISTING SUB-BASE FOR RE-USE PRIOR TO APPLYING NEW ASPHALT.
- ALL DEPTHS SHOWN ARE COMPACTED DEPTH.
- MAXIMUM LIFT THICKNESS = SIX INCHES.



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PA PASSERO ASSOCIATES
engineering architecture

CSARCH

Project Title

HIGHLAND CENTRAL SCHOOL DISTRICT
HIGHLAND MIDDLE SCHOOL
2022 CAPITAL IMPROVEMENT PROJECT - PHASE 1

Drawn By: RL
Checked By: RL
Proj. #: 62-08-03-04-9-001-010
CSArch Proj. #: 197-2201-01
Issued for Bid: 8/18/23

Sheet Title

DEMOLITION,
SITE PLAN,
AND
DETAILS

Sheet No.

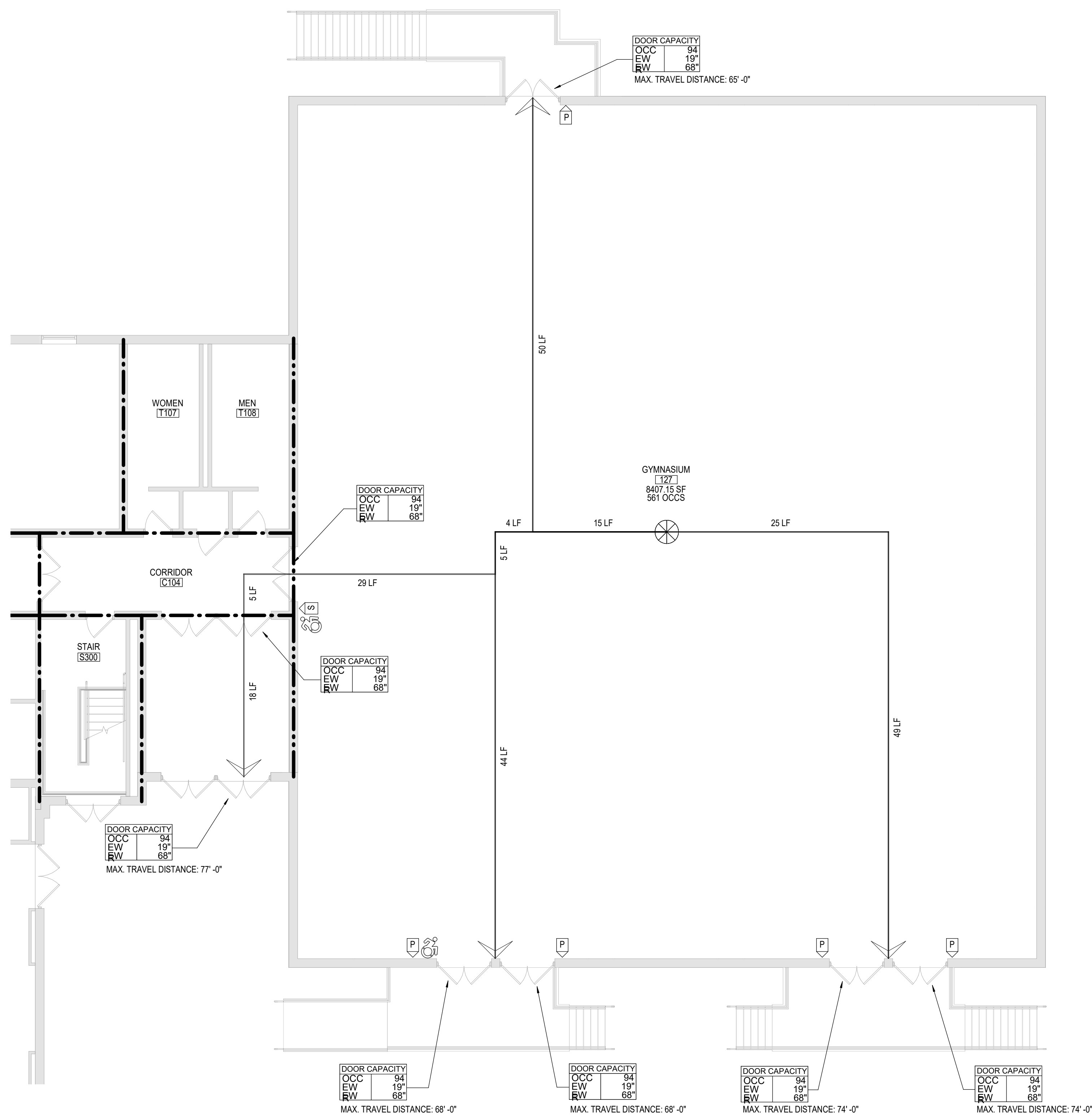
HMS
C130

CONSTRUCTION DOCUMENTS

CAD FILE NOTE:
CAD FILE CAN BE PREPARED AND PROVIDED TO THE SITE CONTRACTOR FOR A FEE, PAID FOR BY THE SITE CONTRACTOR, AND SIGNING OF PASSERO'S CAD RELEASE FORM.

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1 FIRST FLOOR LIFE SAFETY PLAN - GYMNASIUM

NOTE:
SCOPE OF WORK IN THE GYMNASIUM INCLUDES NEW SOUND SYSTEM AND EQUIPMENT
REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION

CODE NOTES		LIFE SAFETY PLAN LEGEND	
<p>ALL NEW WORK TO BE PERFORMED SHALL BE IN ACCORDANCE WITH THE FOLLOWING:</p> <p>1. 2020 INTERNATIONAL BUILDING CODE 2. 2020 INTERNATIONAL EXISTING BUILDING CODE 3. NYS BUILDING CODE SUPPLEMENTS 4. ANSIA117.1-09 5. 2022 NYSED MANUAL OF PLANNING STANDARDS</p> <p>ALL EXISTING CONDITIONS AND NEW WORK CONDITIONS CONTAIN THE FOLLOWING MAXIMUM TRAVEL DISTANCES:</p> <p>1. EXIT ACCESS TRAVEL DISTANCE SHALL NOT EXCEED 200 FEET FOR UNSPRINKLERED BUILDINGS OF OCCUPANCY TYPE 'E'. 2. ANY POINT IN ANY GROUND FLOOR CORRIDOR MUST BE WITHIN 150 FEET ALONG THE LINE OF TRAVEL TO AN EXTERIOR DOORWAY. ANY POINT IN A CORRIDOR OTHER THAN A GROUND FLOOR CORRIDOR SHALL NOT EXCEED 120 FEET ALONG THE LINE OF TRAVEL TO THE STAIR ENCLOSURE OF AN EXIT STAIRWAY.</p> <p>ALL EXISTING CONDITIONS AND NEW WORK CONDITIONS CONTAIN THE FOLLOWING DEAD-END CORRIDOR INFORMATION:</p> <p>1. DEAD-END CORRIDOR POCKETS SHALL NOT EXCEED A MAXIMUM DEPTH OF 1 1/2 TIMES THE WIDTH OF THE POCKET, OR 1 1/2 TIMES THE WIDTH OF THE CORRIDOR, WHICHEVER IS LESS. MAX DEAD- END DISTANCE IS 20'.</p>		<p> PRIMARY EXIT</p> <p> SECONDARY EXIT</p> <p> RESCUE WINDOW (SECONDARY EXIT)</p> <p> ACCESSIBLE EXIT</p> <p> RESCUE ASSISTANCE STATION / AREA OF REFUGE</p> <p>NUMBER OF OCCUPANTS PER TABLE 1004.1.2 (ACTUAL NUMBER OF OCCUPANTS)</p> <p> REQUIRED EXIT WIDTH FOR DOOR BASED ON (OCCUPANT * 0.2)</p> <p> REQUIRED EXIT WIDTH FOR STAIRS BASED ON (OCCUPANT * 0.3)</p> <p> EXIT PATH OF TRAVEL (START - END)</p> <p>ABBREVIATIONS</p> <p>DC DEFIBRILLATOR CABINET</p> <p>EWIP EXIT WIDTH PROVIDED</p> <p>EWIR EXIT WIDTH REQUIRED</p> <p>FE FIRE EXTINGUISHER</p> <p>FEC FIRE EXTINGUISHER CABINET</p> <p>OCCS NUMBER OF OCCUPANTS IN SPACE</p>	
		<h3>SMOKE SEPARATION NOTES</h3>	
<p>CONSTRUCTION HISTORY</p>		<p>PER S.E.D. §105-1, FLOORS SMOKE SEPARATED</p> <p>PER S.E.D. S-109-3.3.5, SMOKE SEPARATED ZONES APPROX. 30,000 SF OR LESS</p> <p> SMOKE BARRIER DUCTWORK PENETRATIONS REQUIRED SMOKE DAMPER</p> <p> PER S.E.D. §105-2.4, IN SPRINKLERED BUILDINGS, ALL CORRIDORS SHALL BE PROTECTED FROM THE SPREAD OF SMOKE FROM ADJACENT SPACES. DOOR CLOSERS AND SMOKE DAMPERS ARE REQUIRED</p>	
		<h3>FIRE SEPARATION NOTES</h3>	
		<p> 1 HOUR RATED FIRE PARTITION</p> <p> 2 HOUR RATED FIRE PARTITION</p> <p><u>CODE NARRATIVE:</u></p> <p><u>1938 ORIGINAL CONSTRUCTION:</u> CONSTRUCTION TYPE IIB GROUND FLOOR AREA: 7,357 SF GROSS FIRST FLOOR AREA: 32,919 SF GROSS SECOND FLOOR AREA: 32,919 SF GROSS CURRENT USE: 'E' - EDUCATION</p> <p><u>2001 CONSTRUCTION:</u> CONSTRUCTION TYPE IIB GROUND FLOOR AREA: 8,212 SF GROSS FIRST FLOOR AREA: 44,513 SF GROSS SECOND FLOOR AREA: 35,962 SF GROSS CURRENT USE: 'E' - EDUCATION</p> <p><u>BUILDING AREA:</u> (PER TABLE 506.2) PERMITTED FOR TYPE IIB / GROUP 'E'</p> <p><u>REQUIRED CORRIDOR FIRE-RESISTANCE RATING:</u> (PER TABLE 1004.3.2.1) 1 HOUR</p>	
<p>40 LF</p>			
		<h3>KEYPLAN</h3> <p></p>	
		<p>COPYRIGHT © ALL RIGHTS RESERVED</p>	



Expiration Date: 02/28/2025

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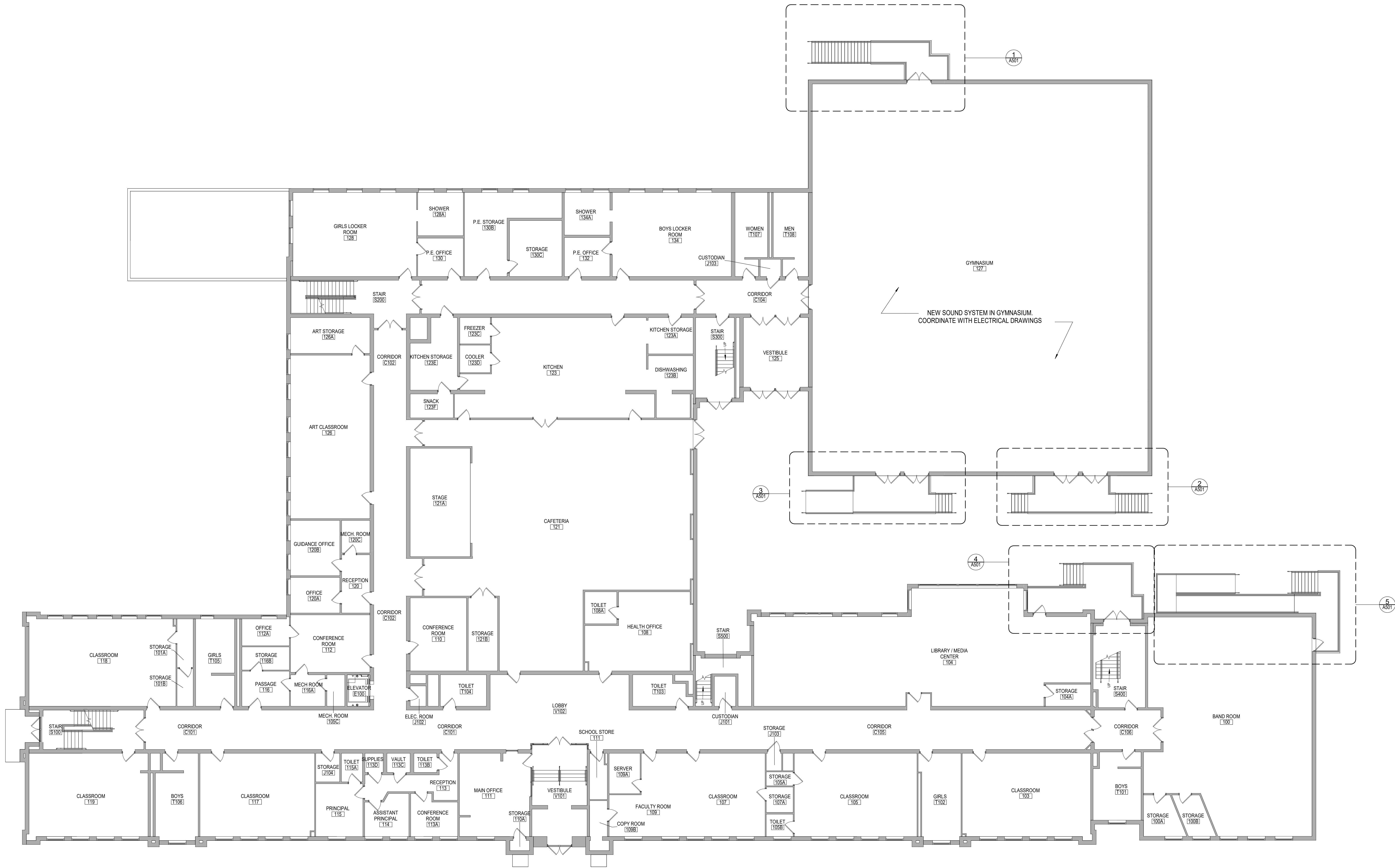
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Proj. #:	62-08-03-04-0-001-01
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Issued for Bid:	08/18/2

Sheet Title

FIRST FLOOR
LIFE SAFETY
PLAN -
GYMNASIUM

Sheet No. **HMS**
LS112

C:\Users\jamil\Documents\197-2201 - HMS Phase1_ARCH.dml(10/1/2021)



1 FIRST FLOOR OVERALL NEW WORK PLAN
A110 1" = 10'-0"

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HIGHLAND CENTRAL SCHOOL DISTRICT
HIGHLAND MIDDLE SCHOOL
2022 CAPITAL IMPROVEMENT PROJECT - PHASE 1

Project Title



Expiration Date: 02/28/2025

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Sheet Title

FIRST FLOOR
OVERALL NEW
WORK PLAN

Sheet No.

HMS
A110

CONSTRUCTION DOCUMENTS

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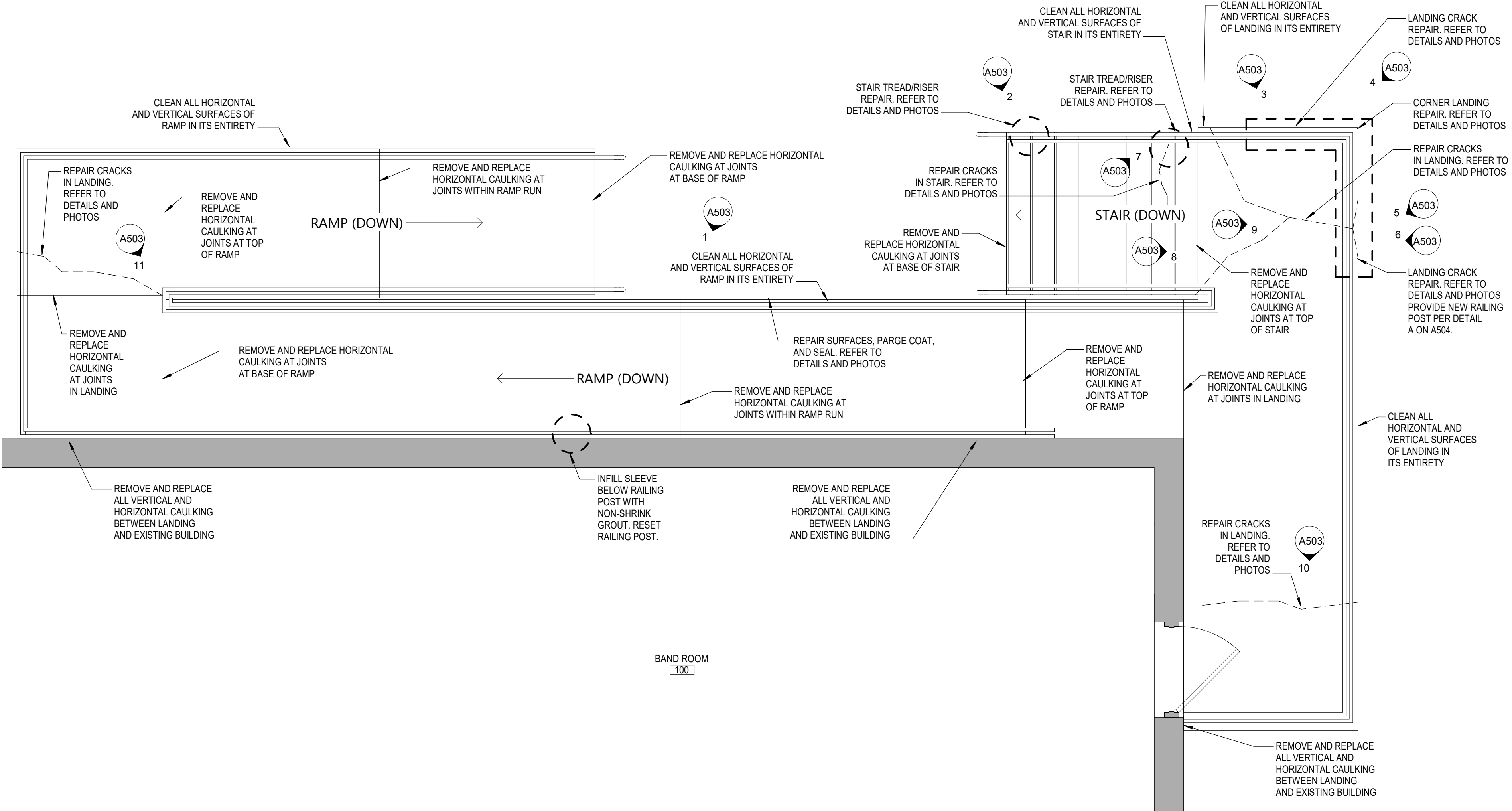
- GENERAL NOTES
1. ALL HORIZONTAL AND VERTICAL CONCRETE SURFACES TO BE SEALED WITH NEW CONCRETE SEALING MATERIAL.

A. BASIS OF DESIGN:

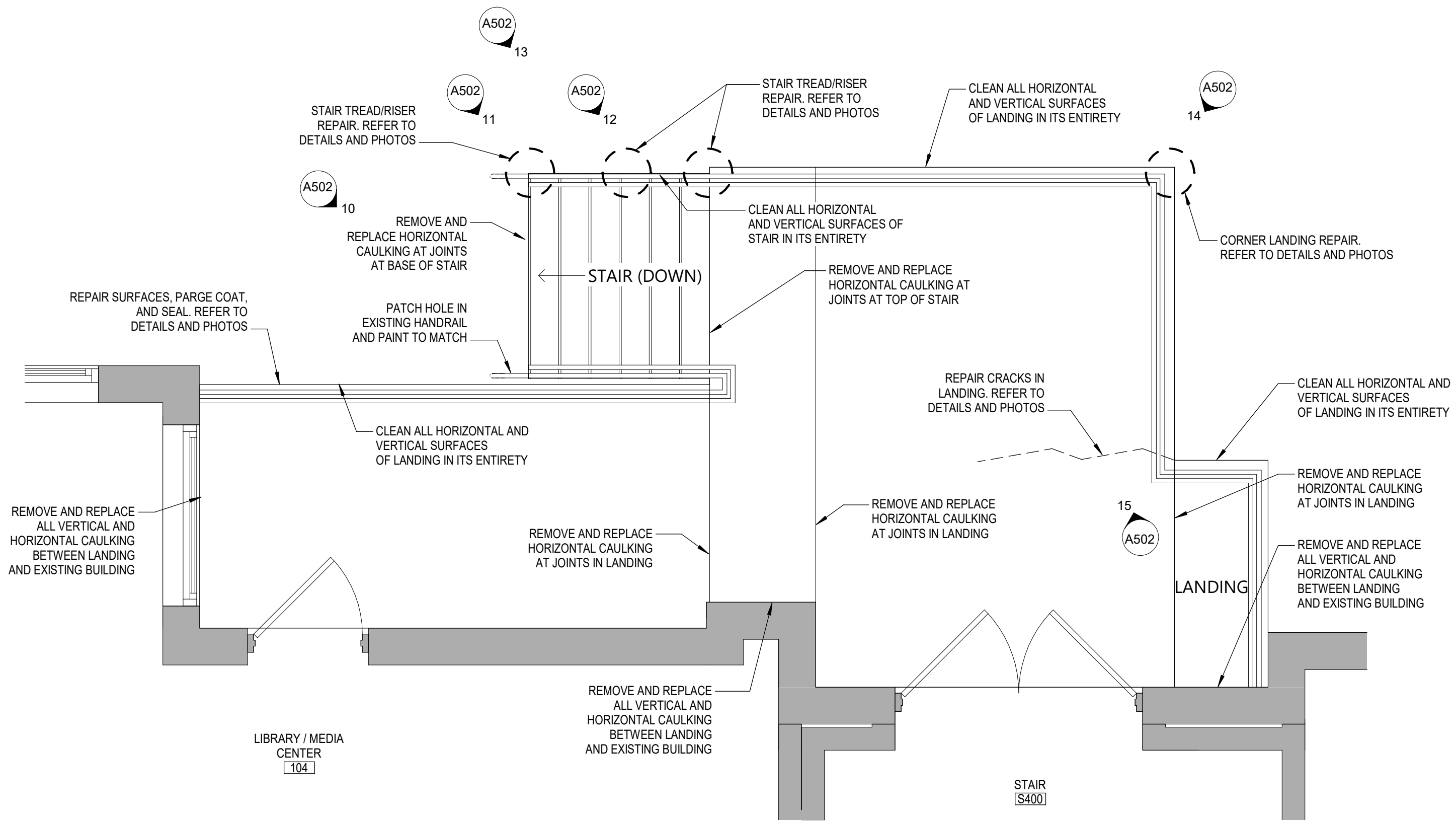
a. PENTREAT 244-100 WATER REPELLENT PENETRATING SEALER MANUFACTURED BY W.R. MEADOWS INSTALL AS PER THE MANUFACTURER'S REQUIREMENTS
2. AFTER THE COMPLETION OF ALL RAILING REPAIRS, PROVIDE NEW HIGH-PERFORMANCE PAINT COATING ON ALL POSTS, RAILS, AND ESCUTCHEONS.

A. BASIS OF DESIGN:

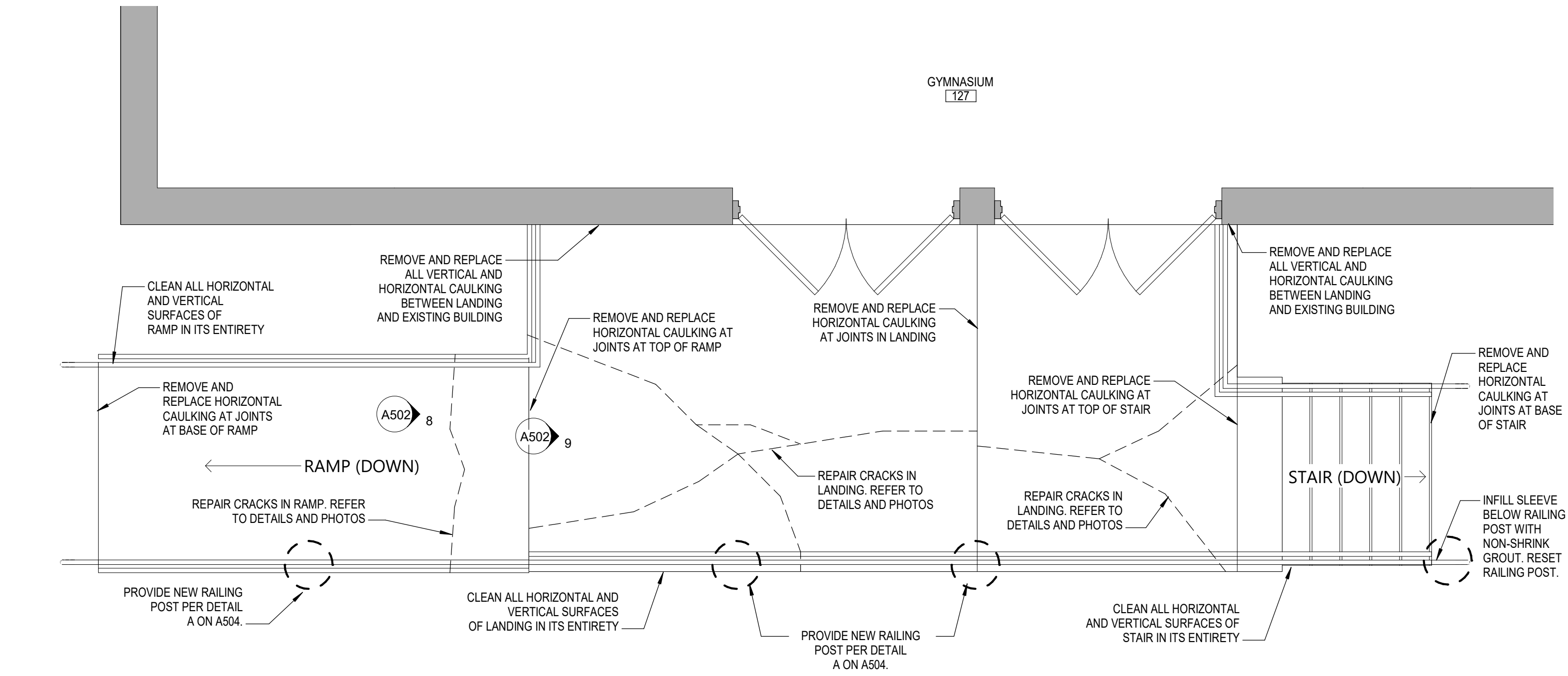
a. PRO INDUSTRIAL ACRYLIC COATING MANUFACTURED BY SHERWIN WILLIAMS PREP AND INSTALL AS PER THE MANUFACTURER'S REQUIREMENTS



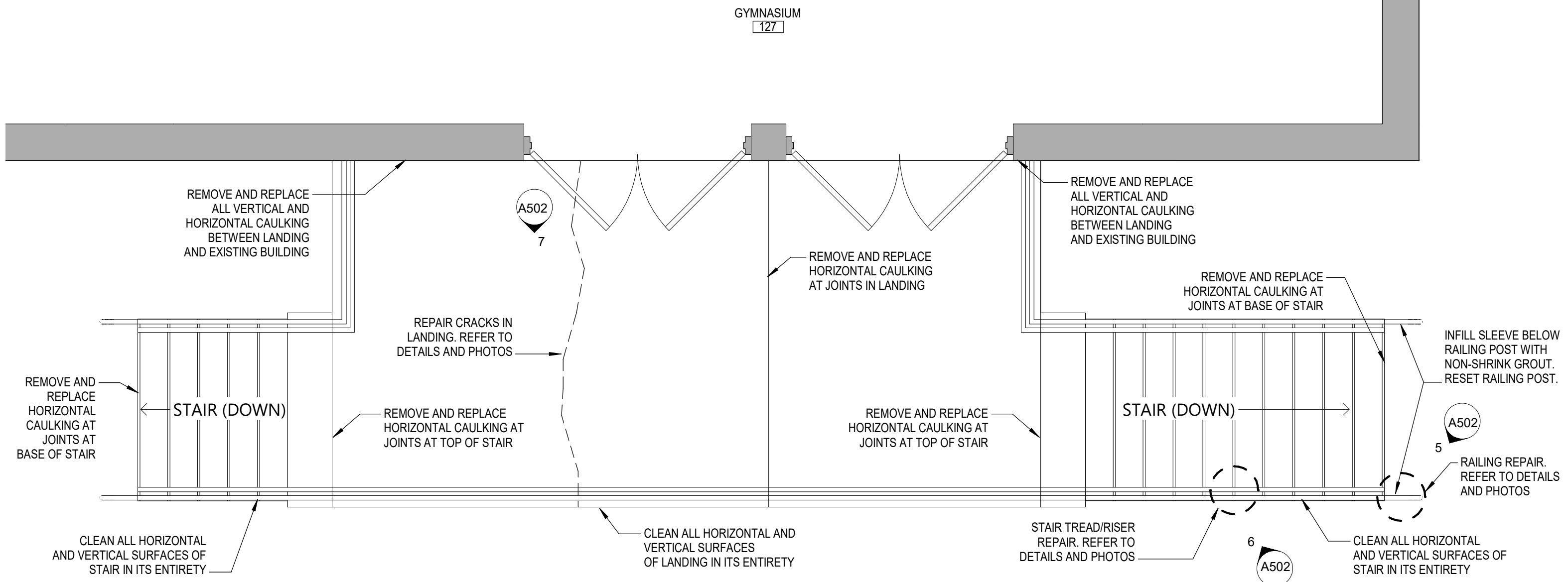
5 ENLARGED PLAN - STAIR, RAMP, AND LANDING B
A501 3/8" = 1'-0"



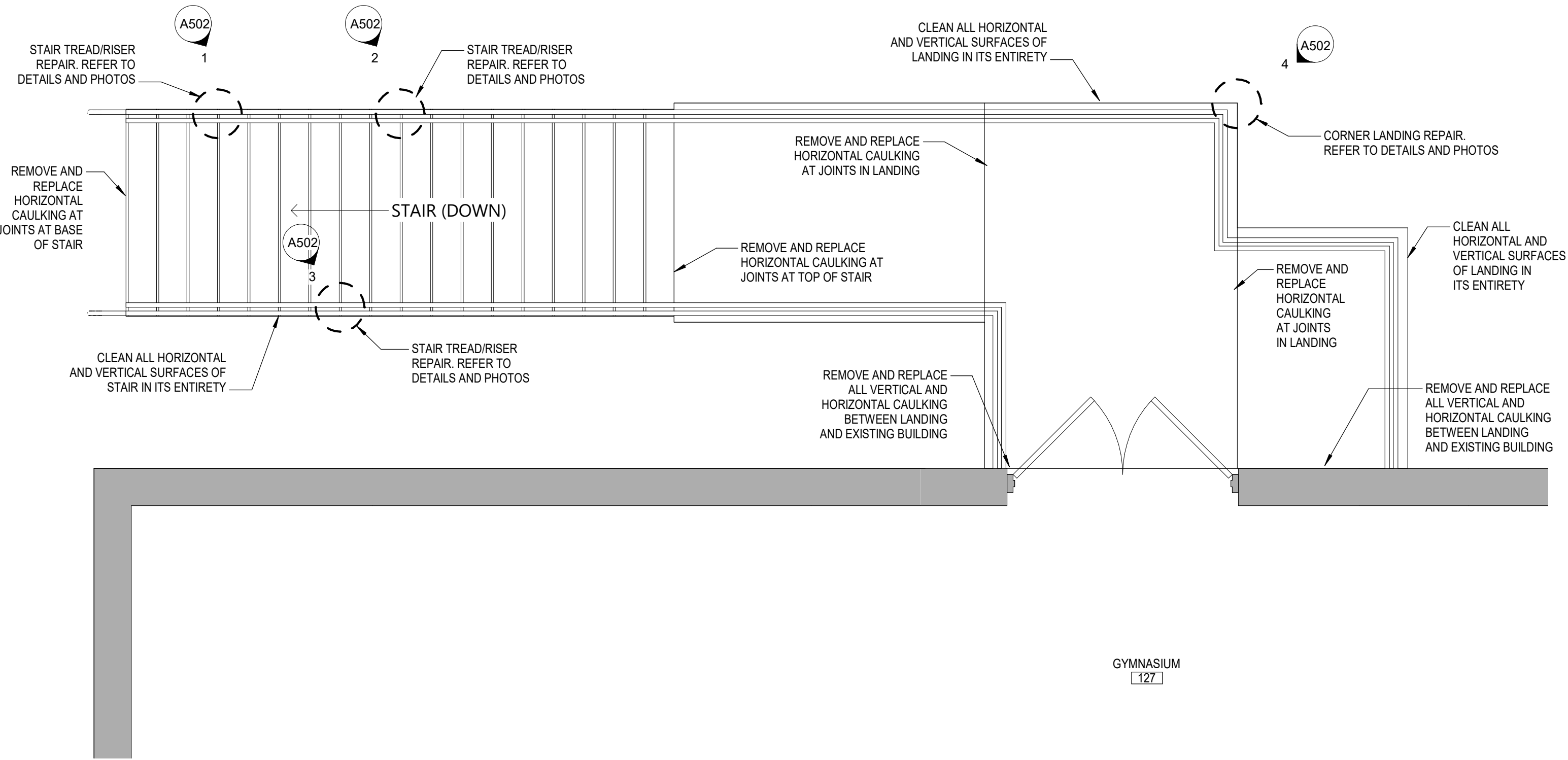
4 ENLARGED PLAN - STAIR AND LANDING D
A501 3/8" = 1'-0"



3 ENLARGED PLAN - STAIR, RAMP, AND LANDING C
A501 3/8" = 1'-0"



2 ENLARGED PLAN - STAIRS AND LANDING B
A501 3/8" = 1'-0"



1 ENLARGED PLAN - STAIR AND LANDING A
A501 3/8" = 1'-0"

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HIGHLAND MIDDLE SCHOOL
2022 CAPITAL IMPROVEMENT PROJECT - PHASE 1

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STAIRS,
RAMPS, &
LANDINGS
PLANS

Sheet No.

HMS
A501

CONSTRUCTION DOCUMENTS



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6 PHOTO AREA E - 006
A503 12" = 1'-0"



5 PHOTO AREA E - 005
A503 12" = 1'-0"



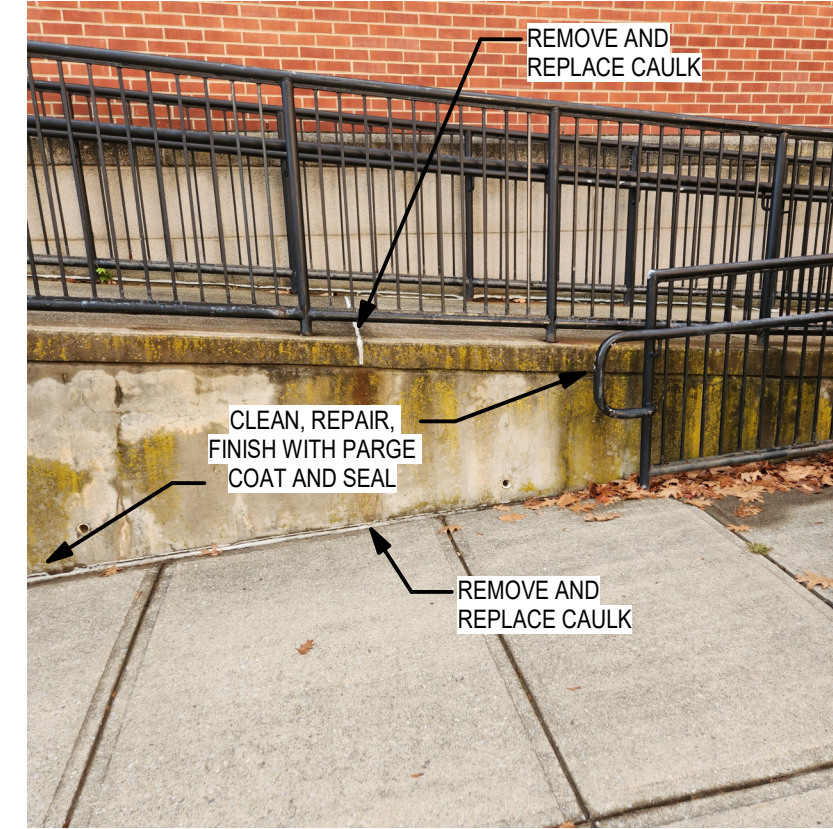
4 PHOTO AREA E - 004
A503 12" = 1'-0"



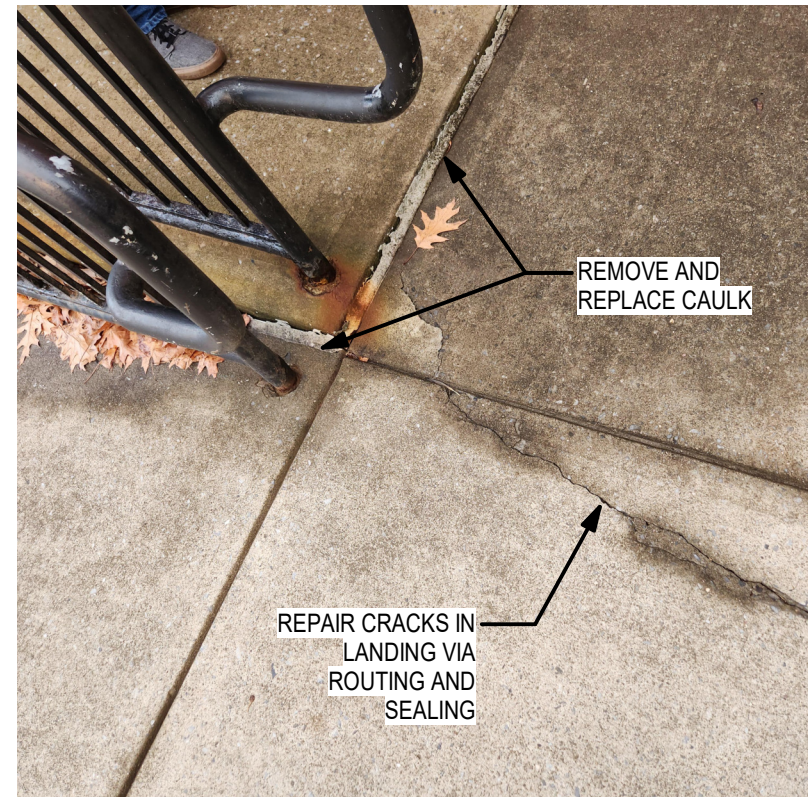
3 PHOTO AREA E - 003
A503 12" = 1'-0"



2 PHOTO AREA E - 002
A503 12" = 1'-0"



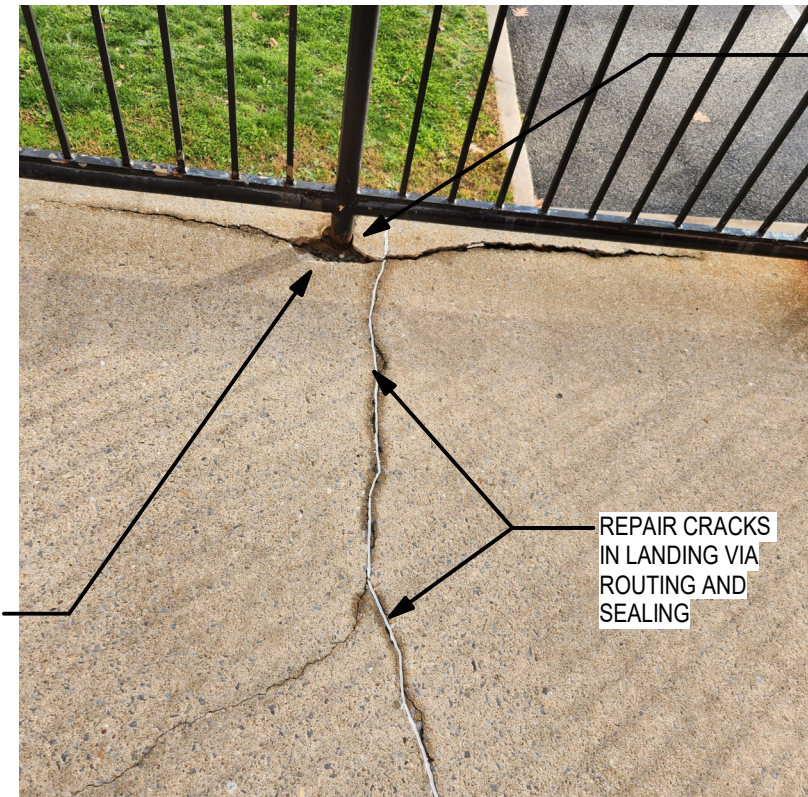
1 PHOTO AREA E - 001
A503 12" = 1'-0"



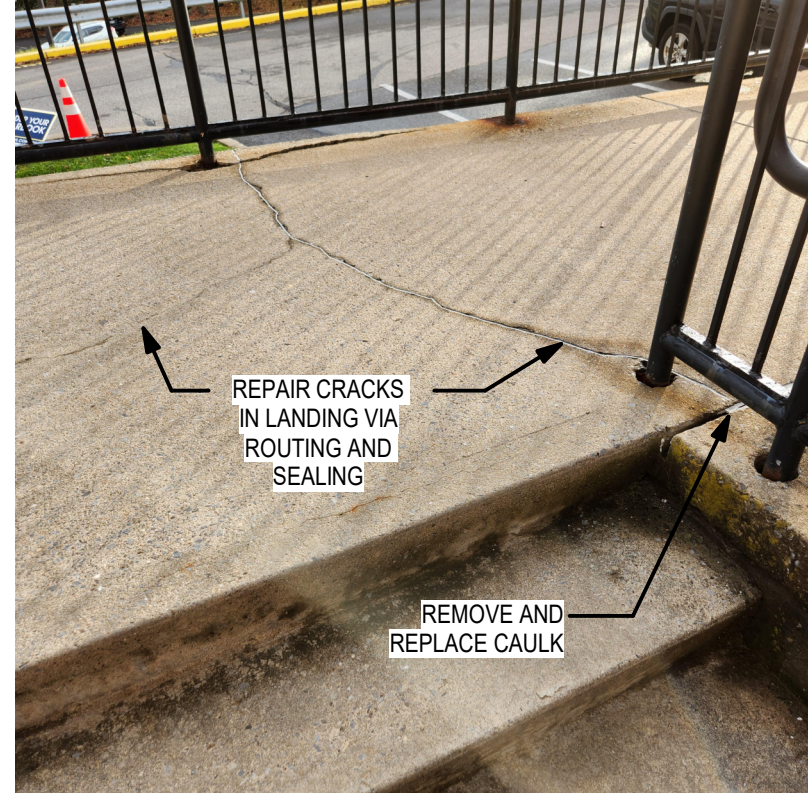
11 PHOTO AREA E - 011
A503 12" = 1'-0"



10 PHOTO AREA E - 010
A503 12" = 1'-0"



9 PHOTO AREA E - 009
A503 12" = 1'-0"

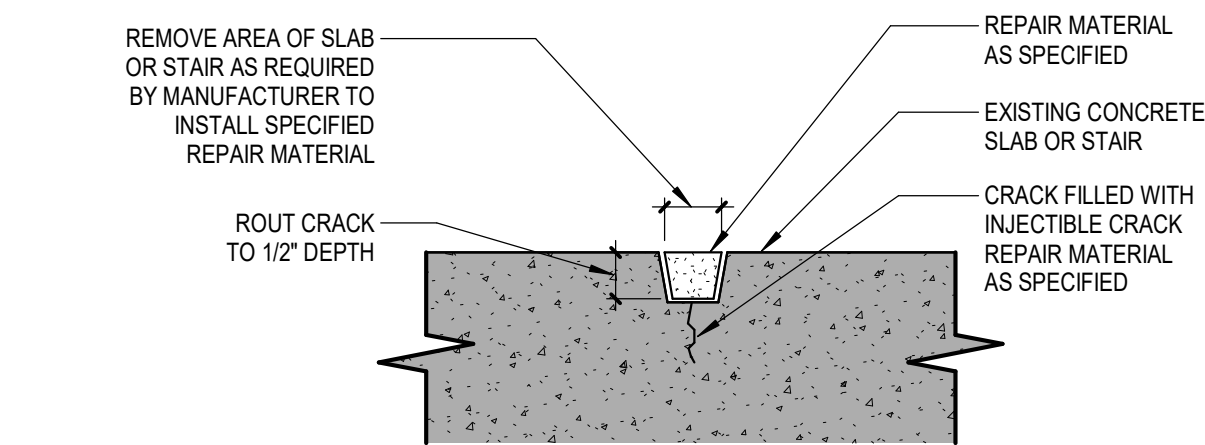


8 PHOTO AREA E - 008
A503 12" = 1'-0"

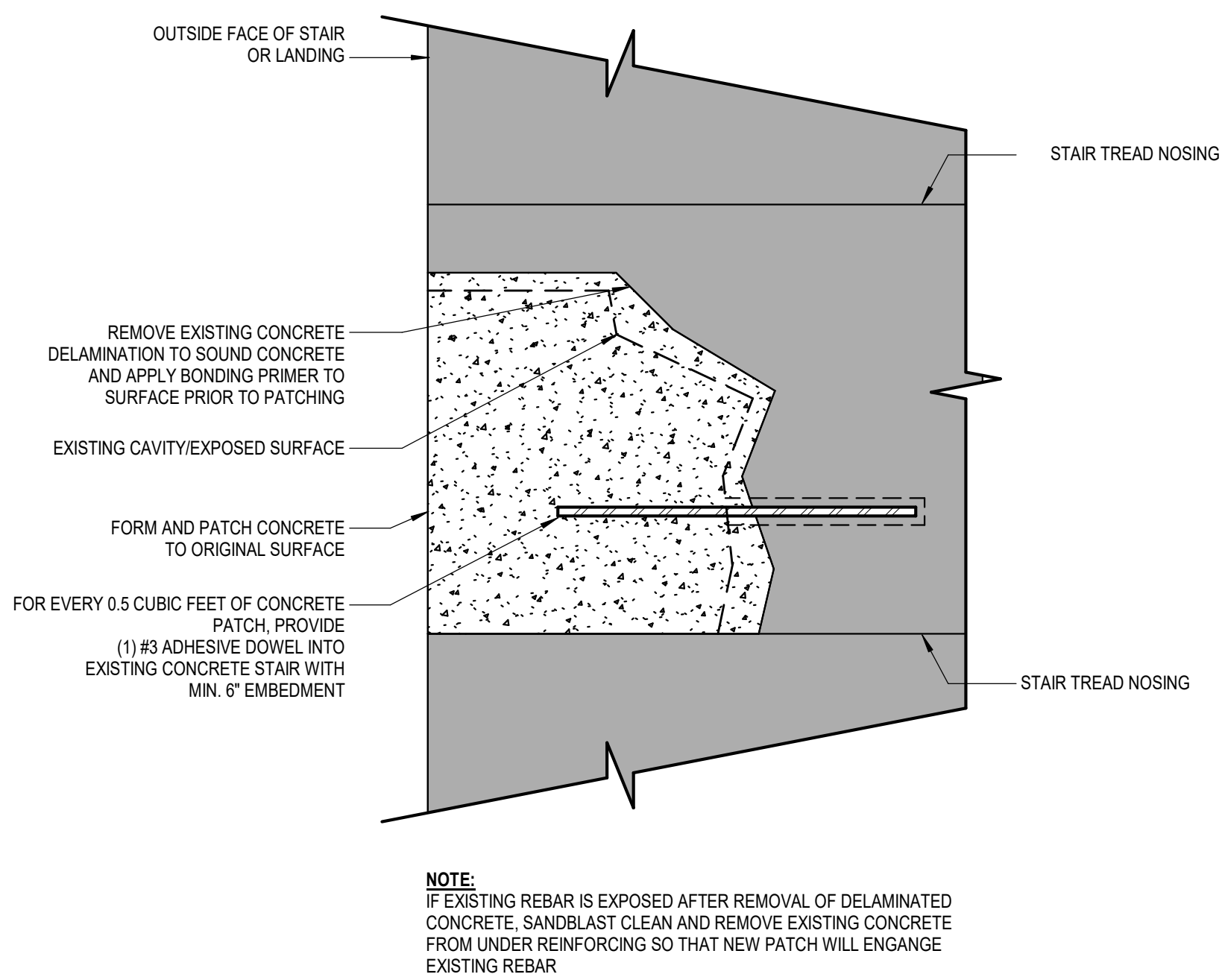


7 PHOTO AREA E - 007
A503 12" = 1'-0"

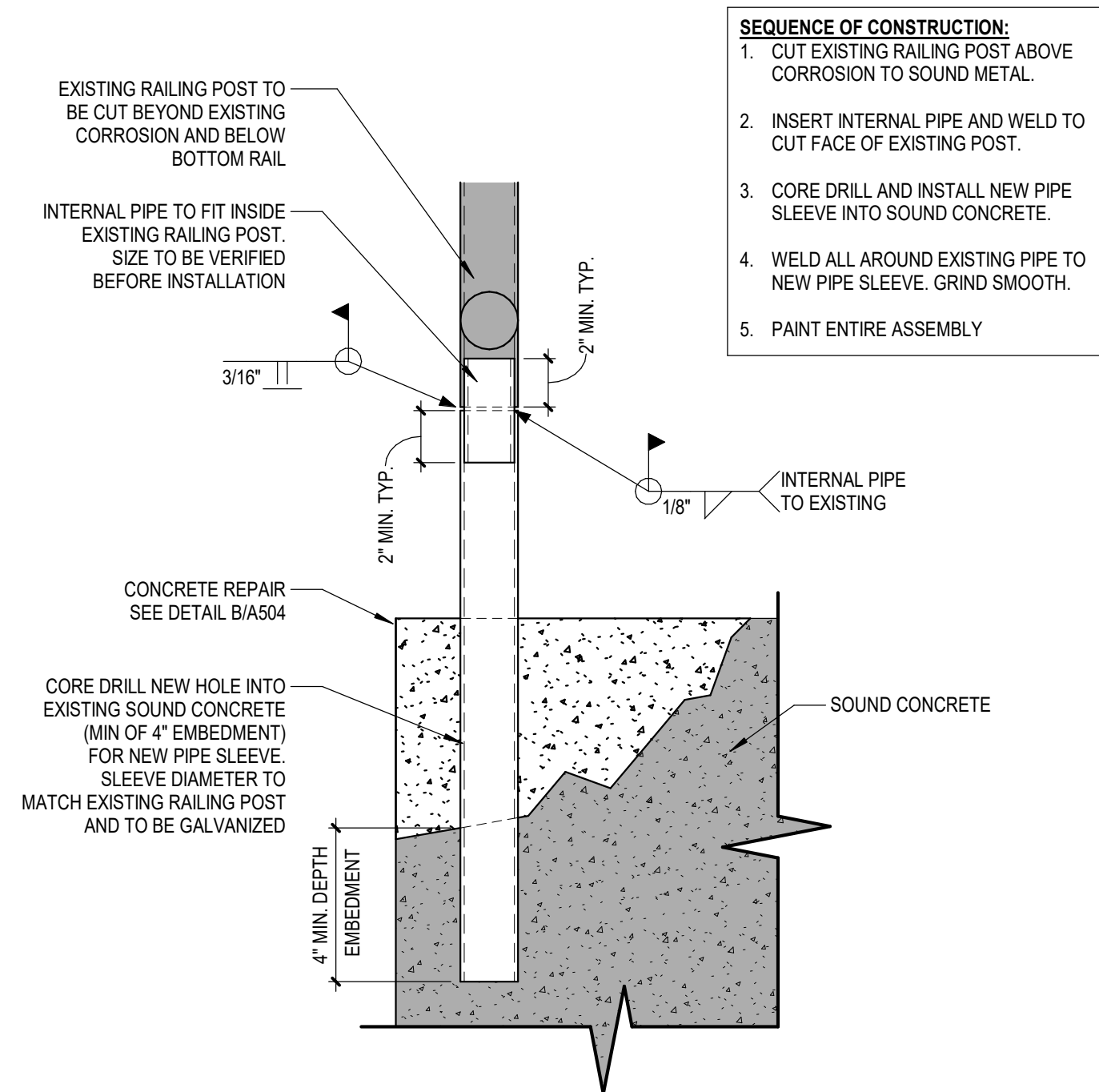
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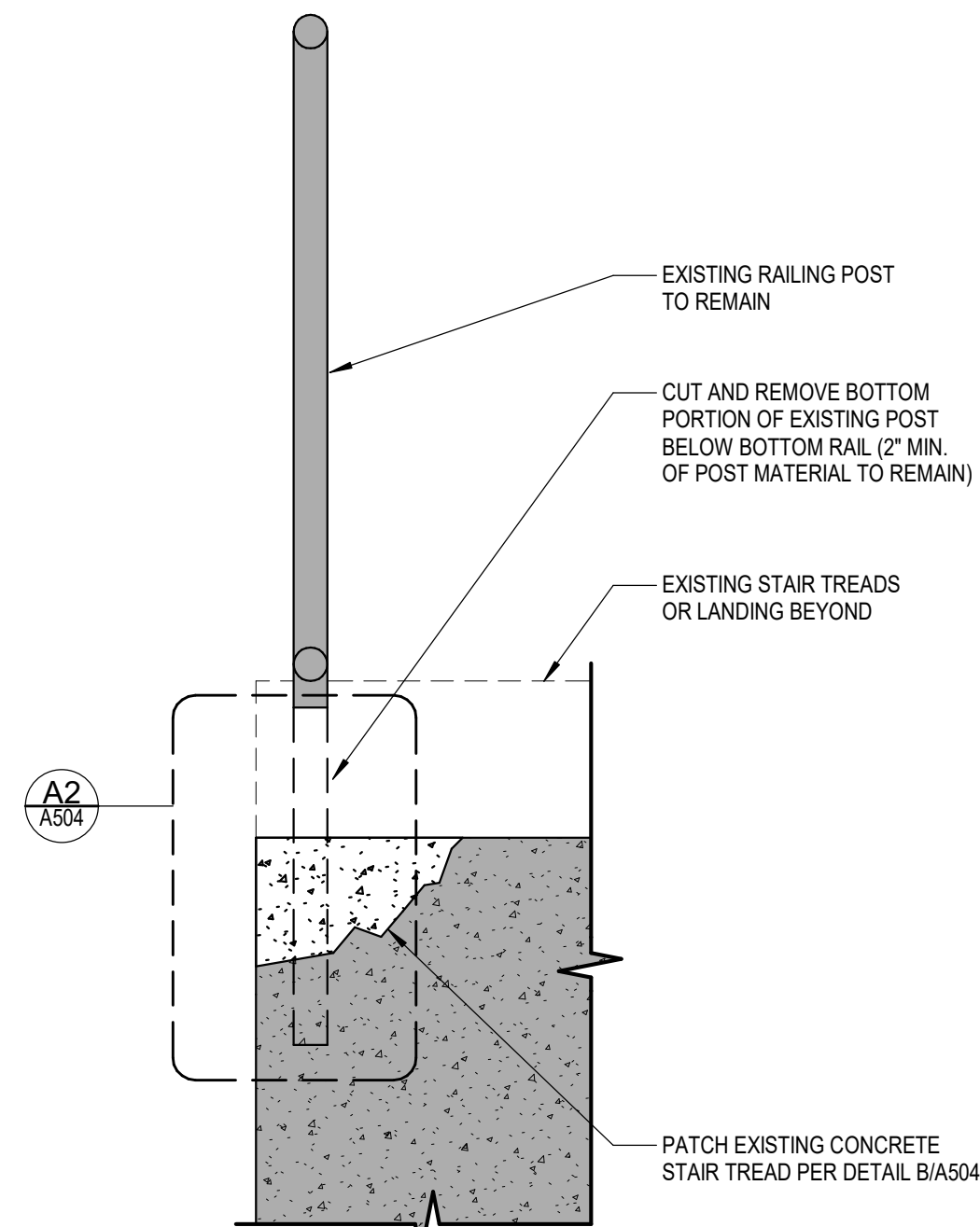
C TYPICAL ROUT AND SEAL CRACK DETAIL
A504 6" = 1'-0"



B TYPICAL CONCRETE PATCH DETAIL
A504 3" = 1'-0"





































A2 TYPICAL RAILING POST REPAIR
A504 3" = 1'-0"



A1 TYPICAL SECTION AT RAILING POSTS
A504 1 1/2" = 1'-0"

ELECTRICAL LEGEND:

-  MOTOR
-  EARTH GROUND
-  JUNCTION BOX
-  PULL BOX
-  FUSE WITH RATING
-  MOLDED CASE CIRCUIT BREAKER
-  DISCONNECT SWITCH, FUSED
-  DISCONNECT SWITCH, UNFUSED
-  STARTER, COMBINATION WITH DISCONNECT SWITCH
-  STARTER OR MOTOR CONTROLLER
-  METER
-  20A 120V DUPLEX CEILING MOUNTED RECEPTACLE
-  20A 120V DUPLEX WALL MOUNTED RECEPTACLE; 18" A.F.F. UNLESS OTHERWISE NOTED
-  20A 120V DUPLEX WALL MOUNTED RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTER
-  20A 120V QUADRAPLEX RECEPTACLE
-  WALL MOUNTED SPECIAL PURPOSE RECEPTACLE
-  20A 120V WALL MOUNTED USB CHARGER RECEPTACLE TYPICAL OF HUBBELL USB20X OR ACCEPTABLE EQUAL
-  FLOOR BOX WITH STAINLESS COVER TYPICAL OF LEW ELECTRIC #08-1-SP OR ACCEPTABLE EQUAL; PUSH BUTTON OPEN; FULLY IP66 RATED WATER PROOF (WHEN IN CLOSED POSITION); W/ 20A 125V E60120 GFCI RECEPTACLE (UNLESS OTHERWISE NOTED)
-  WALL PHONE OUTLET MTD. 48" A.F.F.; 3/4" EMT CDT. IN WALL TO ABOVE CEILING W/ PULL CORD
-  WALL BOX FOR TELEVISION CONNECTION; 1-1/4" EMT CDT. IN WALL TO ABOVE CEILING W/ PULL CORD
-  TELEPHONE/DATA COMMUNICATION BOX W/ (2) 3/4" EMT CDT. IN WALL TO ABOVE CEILING W/ PULL CORD; NO FACE PLATE
-  BRANCH CIRCUIT HOMERUN; LINES INDICATE NUMBER OF CIRCUITS, NEUTRAL AND SWITCH LEG CONDUCTORS; ONE SEPARATE GROUNDING CONDUCTOR SHALL BE PROVIDED FOR EACH HOMERUN, NOT SHOWN
-  SWITCH
BLANK = SINGLE POLE
3 = THREE-WAY
D = DIMMER
P = WITH PILOT LIGHT
T = TIMER OPERATED
X = EXPLOSION PROOF
-  2 = DOUBLE POLE
4 = FOUR-WAY
K = KEY OPERATED
PB= PUSH BUTTON
WP= WEATHER PROOF
OC= OCCUPANCY SENSOR
-  HORN/STROBE DEVICE, ONE ASSEMBLY; MTD. 80" A.F.F. UNLESS OTHERWISE NOTED; 15 CANDELA UNLESS OTHERWISE NOTED
-  STROBE DEVICE; MTD. 80" A.F.F. UNLESS OTHERWISE NOTED; 15 CANDELA UNLESS OTHERWISE NOTED
-  MANUAL PULL STATION; MTD. 48" A.F.F.
-  WATER FLOW SWITCH
-  VALVE TAMPER SWITCH
-  DETECTOR; LETTER INDICATES AS FOLLOWS:
BLANK = SMOKE DETECTOR
P = PHOTOELECTRIC SMOKE
M = MULTIPLE STATION SMOKE ALARM
D = PHOTOELECTRIC DUCT SMOKE DETECTOR
-  RATE OF RISE HEAT DETECTOR; 135°F
-  CARBON MONOXIDE DETECTOR; MTD. 60" A.F.F.
-  ADDRESSABLE FIRE ALARM CONTROL PANEL
-  FIRE ALARM ANNUNCIATOR PANEL

ELECTRICAL NOTES:

- ALL MATERIALS AND EQUIPMENT ARE TO BE NEW, UNUSED, AND FREE FROM DEFECTS OF ANY KIND. THE BASIS OF QUALITY SHALL BE THE LATEST REVISION OF ASTM, ANSI, OR OTHER ACCEPTABLE STANDARDS.
- THESE DRAWINGS ARE DIAGRAMMATIC, AND INDICATE GENERAL ARRANGEMENT OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO HAVE REVIEWED THE SITE FOR HIS WORK PRIOR TO HAVING SUBMITTED HIS PROPOSAL. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CONDITIONS FOUND DURING THE COURSE OF THE CONTRACT.
- THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF ALL OTHER TRADES.
- ALL WORK INCLUDING LABOR AND MATERIALS SHALL BE FULLY GUARANTEED FOR ONE (1) YEAR FROM THE DATE OF PAYMENT AND FINAL ACCEPTANCE BY THE OWNER AND ENGINEER.
- ALL CUTTING, PATCHING, FIRE-STOPPING, AND SURFACE RESTORATION IN CONNECTION WITH THIS TRADE SHALL BE COMPLETED BY THIS CONTRACTOR.
- A MINIMUM OF FOUR (4) COPIES OF SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT FOR APPROVAL PRIOR TO ORDERING AND INSTALLATION OF THE EQUIPMENT AND/OR MATERIALS. BY SUBMITTING SHOP DRAWINGS, THE CONTRACTOR REPRESENTS THAT ACTUAL FIELD CONDITIONS ARE VERIFIED BY HIM AND ARE REFLECTED ON HIS SUBMITTALS.
- THIS CONTRACTOR SHALL PAY ALL FEES, GIVE ALL NOTICES, FILE ALL NECESSARY DRAWINGS, AND OBTAIN ALL PERMITS, INSPECTIONS AND CERTIFICATES OF APPROVAL REQUIRED IN CONNECTION WITH WORK UNDER THIS CONTRACT.
- EQUIPMENT AND MATERIALS FOR WHICH UNDERWRITERS LABORATORIES INC. (UL) PROVIDES PRODUCT LISTING SERVICE SHALL BE LISTED AND BEAR THE LISTING MARK.
- ALL WORK IN ASSOCIATION WITH THIS CONTRACT SHALL BE COMPLETED IN STRICT COMPLIANCE WITH THE 2017 NATIONAL ELECTRIC CODE, 2020 BUILDING CODE OF NEW YORK STATE, 2020 FIRE CODE OF NEW YORK STATE & 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.
- ALL NEW LIGHTING FIXTURES SHALL BE INSTALLED FULLY LAMPED AND OPERABLE. THE CONTRACTOR SHALL TURN OVER TO THE OWNER SPARE LAMPS OF EVERY TYPE ON THE PROJECT IN AN AMOUNT NOT LESS THAN 20% OF THE TOTAL NUMBER OF EACH TYPE (MINIMUM 1 PER TYPE).
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION, APPLICATIONS AND FEES OF ALL WORK ASSOCIATED WITH THE LOCAL UTILITY COMPANY AND/OR THE TELEPHONE COMPANY. ALL WORK INVOLVING THE UTILITY COMPANY SHALL BE COMPLETED IN ACCORDANCE WITH THEIR REGULATIONS AND GUIDELINES.
- ALL CONDUCTORS SHALL BE COPPER, SHALL NOT BE LESS THAN #12 AWG, AND SHALL NOT EXCEED 70 FEET FROM PANEL BOARD TO FURTHEST CONNECTION UNLESS OTHERWISE NOTED ON PLANS.
- LIGHTING LOADS SHALL NOT BE COMBINED ON THE SAME CIRCUIT AS ANY OTHER ELECTRICAL LOADS.
- CONTRACTOR SHALL BE RESPONSIBLE TO FURNISH & INSTALL ALL SMALL DETAILS AND INCIDENTAL WORK NOT SHOWN OR SPECIFIED, BUT WHICH CAN BE REASONABLY INFERRED AS REQUIRED FOR A COMPLETE AND OPERATING SYSTEM OF HIGH QUALITY MEETING ALL APPLICABLE CODES AND REGULATIONS.
- FOR EACH NEW OR MODIFIED ELECTRICAL PANEL, THE CONTRACTOR SHALL PROVIDE A TYPE WRITTEN DIRECTORY CARD TO REFLECT ALL CIRCUITING. ADDITIONALLY, THE CONTRACTOR SHALL LABEL (WITH A PERMANENT MARKER OR LABEL) EACH RECEPTACLE ON THE INSIDE OF EACH FACE PLATE WITH PANEL AND CIRCUIT NUMBER DESIGNATION.
- MINIMUM REQUIREMENT FOR EQUIPMENT GROUNDING SHALL BE COVERED BY THE NEC. ALL GROUNDS, BONDING, ETC. SHALL MEET THESE REQUIREMENTS. THE CONTRACTOR SHALL FURNISH AND INSTALL ANY AND ALL ITEMS NECESSARY TO MEET THESE REQUIREMENTS AT NO EXTRA COST, EVEN IF SUCH ITEMS ARE NOT DETAILED ON THE DRAWINGS.
- ALL CONDUIT AND CABLE SHALL BE PROPERLY SUPPORTED AND ROUTED PARALLEL OR PERPENDICULAR TO BUILDING WALLS. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL SUPPORT HANGERS AND MISCELLANEOUS METALS REQUIRED FOR PROPER INSTALLATION OF WORK.
- THE CONTRACTOR IS RESPONSIBLE TO TEST ALL EQUIPMENT, WIRING, DEVICES, AND SYSTEMS INSTALLED UNDER THIS CONTRACT TO ENSURE PROPER OPERATION PRIOR TO FINAL ACCEPTANCE BY THE OWNER AND ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE TO DETERMINE WHETHER SPECIAL LICENSING IS REQUIRED IN ORDER TO PERFORM THE REQUIRED WORK IN THE MUNICIPALITY WHERE THE PROJECT IS LOCATED. IF THE CONTRACTOR CANNOT OBTAIN THE REQUIRED LICENSING TO COMPLETE THE WORK WITHIN THE PROJECT SCHEDULE, THEN THE CONTRACTOR SHALL NOT BE PERMITTED TO BID ON THIS PROJECT.

WIRE COLOR CODING TABLE

PHASE	WIRES	VOLTAGE	L1	L2	L3	NEUTRAL	GROUND
1	2 (1)	120	BLACK	-	-	WHITE	-
1	2 (1)	208	BLACK	RED	-	-	-
1	3	120	BLACK	-	-	WHITE	GREEN (2)
1	3	208	BLACK	RED	-	-	GREEN (2)
3	4	208	BLACK	RED	BLUE	-	GREEN (2)
3	5	208	BLACK	RED	BLUE	WHITE	GREEN (2)
1	3	277	BROWN	-	-	GRAY	GREEN (2)
1	3	480	BROWN	ORANGE	-	-	GREEN (2)
3	4	480	BROWN	ORANGE	YELLOW	-	GREEN (2)
3	5	480	BROWN	ORANGE	YELLOW	GRAY	GREEN (2)

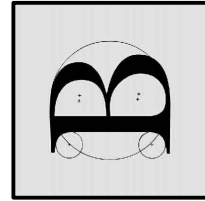
- NOTES:
- FOR DOUBLE INSULATED EQUIPMENT ONLY.
 - GREEN/YELLOW MAY BE USED:
 - GREEN/YELLOW SHALL BE GREEN WITH ONE OR MORE YELLOW STRIPES.
 - GREEN = 50 TO 70%, YELLOW = 50 TO 30%.
 - GREEN/YELLOW IS THE ONLY COLOR INTERNATIONALLY ACCEPTED FOR USE AS AN EQUIPMENT GROUNDING CONDUCTOR.
 - GREEN OR GREEN/YELLOW MUST ONLY BE USED FOR GROUNDING CONDUCTORS.

DEVICE MOUNTING HEIGHTS

POWER RECEPTACLES (INTERIOR)	18" A.F.F.
POWER RECEPTACLES (EXTERIOR)	36" A.F.F.
POWER RECEPTACLES (@ COUNTER)	44" A.F.F.
LIGHT SWITCHES	44" A.F.F. TO TOP OF DEVICE
DISCONNECT SWITCHES	SEE NEC 404.8(A)
TELEPHONE/DATA RECEPTACLES (@ COUNTER)	44" A.F.F.
TELEPHONE/DATA RECEPTACLES	18" A.F.F.
WALL TELEPHONE RECEPTACLES	48" A.F.F. TO TOP OF DEVICE
FIRE ALARM PULL STATIONS	42" A.F.F. MIN./44" A.F.F. MAX.
FIRE ALARM AUDIO/VISUAL DEVICES	80" A.F.F. MIN./96" A.F.F. MAX.
EXIT LIGHTS (WALL MOUNTED)	12" ABOVE DOOR
EMERGENCY LIGHTS (WALL MOUNTED)	90" A.F.F.
TV & AV OUTLETS	18" A.F.F.

NOTE: ALL DIMENSIONS ARE TO CENTER OF DEVICE UNLESS OTHERWISE NOTED

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HIGHLAND CENTRAL SCHOOL DISTRICT
HIGHLAND MIDDLE SCHOOL
2022 CAPITAL IMPROVEMENT PROJECT - PHASE 1

Project Title



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Sheet Title

ELECTRICAL
NOTES, LEGEND
SCHEDULES &
DETAILS

Sheet No.

HMS
E101

CONSTRUCTION DOCUMENTS

