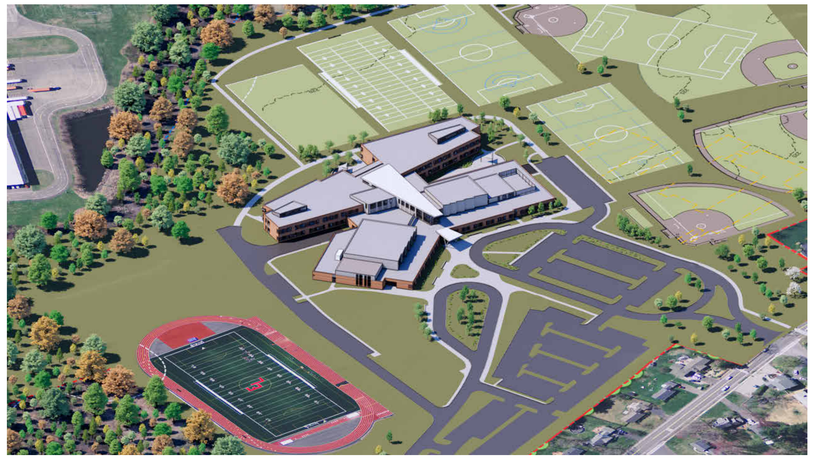
EAST LONGMEADOW HIGH SCHOOL RENOVATIONS & ADDITION



PROJECT GROSS SQUARE FOOTAGE			
	1ST FLOOR	2ND FLOOR	TOTAL:
DEMOLITION	151,935 SF	35,045 SF	186,980 SF
NEW CONSTRUCTION	140,665 SF	51,131 SF	191,796 SF

CODE SUMMARY:

CONTRUCTION TYPE 1B

APPLICABLE CODES:

780 CMR 10th Edition (Anticipated 2024)

Fire Prevention

527 CMR: Massachusetts Fire Prevention Regulations

M.G.L. Chapter 148 Section 26G – Sprinkler Protection

Accessibility

521 CMR: Massachusetts Architectural Access Board Regulations

2010 ADA Standards

Electrical

527 CMR 12.00: Massachusetts Electrical CodeB

Amended 2020 National Electrical Code

Elevators

524 CMR: Massachusetts Elevator Code

Amended ASME A17.1-2013/CSA B44-13

Mechanical

2015 International Mechanical Code (IMC)A

Plumbing

248 CMR: Massachusetts Plumbing Code

Energy Conservation

225 CMR 22.00 and 2021 International Energy Conservation Code (IECC)

OWNER
TOWN OF EAST LONGMEADOW
180 MAPLE STREET
EAST LONGMEADOW, MA 01028
(413) 525-5450

FUNDING AGENCY
MASSACHUSETTS SCHOOL BUILDING AUTHORITY
40 BROAD STREET, SUITE 500
BOSTON, MA 02109
(617) 720-4466

OPM
SKANSKA
1350 MAIN STREET, SUITE 1209
SPRINGFIELD, MA 01103
(617) 275-6422

ARCHITECT
JONES WHITSETT ARCHITECTS
308 MAIN STREET
GREENFIELD, MA 01301
(413) 773-5551

ASSOCIATE ARCHITECT
SMMA
1000 MASSACHUSETTS AVE
CAMBRIDGE, MA 02138
(617) 547-5400

LANDSCAPE ARCHITECT/CIVIL
SMMA
1000 MASSACHUSETTS AVE
CAMBRIDGE, MA 02138
(617) 547-5400

FIRE PROTECTION, MECHANICAL, PLUMBING, ELCTRICAL
SMMA
1000 MASSACHUSETTS AVE
CAMBRIDGE, MA 02138
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STRUCTURAL
RSE
63 PLEASANT STREET, SUITE 300
WATERTOWN, MA 02472
(617) 926-9300

FOOD SERVICE
SCHIAVONE DESIGNS
112 SADDLE ROCK ROAD
HOLBROOK, NY 11741
(631) 403-4268

SECURITY
GOOD HARBOR TECHMARK, LLC
17 ACCORD PARK DRIVE, SUITE 201
NORWELL, MA 02061
(781) 871-6555

THEATER DESIGN
NEXTSTAGE DESIGN
900 CHAPEL STREET, 10TH FLOOR
NEW HAVEN, CT 06510
(203) 745-0457

ACOUSTICS
ACENTECH INC
33 MOULTON STREET
CAMBRIDGE, MA 02138
(617) 499-8005

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SMMA

CONSULTANTS:

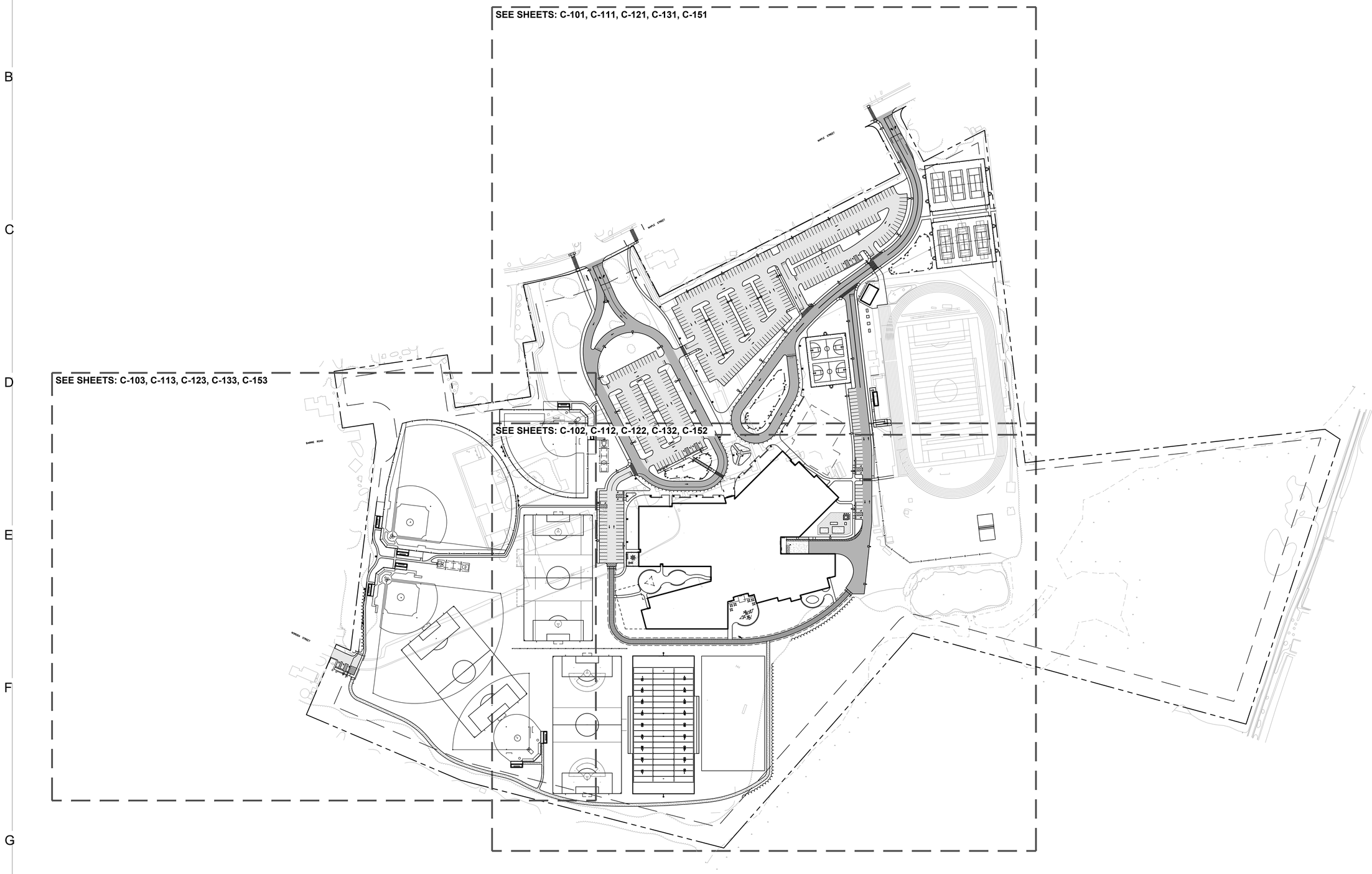
TITLE SHEET

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	As indicated
DRAWN BY:	Author
REVISIONS:	

SD MSBA SET

T100



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GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

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CONSULTANTS:

OVERALL SITE PLAN

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	1" = 100'
DRAWN BY:	ECV
REVISIONS:	

SD MSBA
SET

C-001

SANITARY SEWER STRUCTURES DATA

SMH 1
RIM = 224.55
INV. IN 4" AC = 221.63
INV. OUT 6" AC = 221.73
TOP OF SHELF = 222.15

SMH 2
RIM = 225.12
TOP OF "COLLECTOR"
FOR THREE PIPES = 222.60
INV. IN 2" PVC = 222.2± (CLOGGED)
INV. IN 3" PVC = 221.8± (CLOGGED)
INV. OUT 4" PVC = 221.8± (CLOGGED)
SUMP = 219.26

SMH 3
RIM = 224.40
INV. IN 6" AC (SMH 1) = 221.2± (CLOGGED)
INV. IN 6" ACY (SMH 2) = 220.96
INV. OUT 8" AC = 220.82

SMH 4
RIM = 225.11
INV. IN 4" AC = 220.09
INV. IN 8" AC = 219.88
INV. OUT 8" AC = 219.87
TOP OF SHELF = 220.21

SMH 5
RIM = 224.17
INV. IN 4" AC = 219.2
INV. IN 8" AC = 219.27
INV. OUT 8" AC = 219.25
TOP OF SHELF = 219.61

SMH 6
RIM = 224.95
INV. IN 6" AC = 218.66
INV. IN 8" AC = 218.0± (CLOGGED)
INV. OUT 8" AC = 218.0
TOP OF SHELF = 218.55

SMH 7
RIM = 225.04
INV. IN 6" AC = 218.36
INV. IN 8" AC = 217.5± (CLOGGED)
INV. OUT 8" AC = 217.45

SMH 8
RIM = 225.10
INV. IN 4" CI = 222.49
INV. OUT 8" AC = 220.74

SMH 9
RIM = 224.57
INV. IN 4" CI = 219.68
INV. IN 8" AC = 219.15
INV. OUT 8" AC = 219.22
TOP OF SHELF = 219.47

SMH 10
RIM = 225.42
INV. IN 8" AC (SMH 7) = 216.77
INV. IN 8" AC (SMH 9) = 216.83
INV. OUT 8" PVC = 216.72
TOP OF SHELF = 217.41

SMH 11
RIM = 225.03
INV. IN 8" PVC = 215.13
INV. OUT 8" PVC = 214.92
TOP OF SHELF = 215.63

SMH 12
RIM = 224.39
INV. IN 8" PVC = 214.77
INV. OUT 8" PVC = 214.53
TOP OF SHELF = 215.35

SMH 13
RIM = 226.24
INV. IN 8" PVC = 213.85
INV. OUT 8" PVC = 213.83
TOP OF SHELF = 214.36

SMH 14
RIM = 225.64
INV. IN 8" PVC = 212.99
INV. OUT 8" PVC = 212.82
TOP OF SHELF = 213.51

SMH 15
RIM = 223.64
INV. IN 8" PVC = 212.31
INV. OUT 8" AC = 212.33
TOP OF SHELF = 212.85

SMH 16
RIM = 222.04
INV. IN 8" AC = 212.23
INV. OUT 8" AC = 212.33
TOP OF SHELF = 212.78

NOTES:

1. CONTOURS AND ELEVATIONS SHOWN HEREON ARE BASED UPON:

HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983 (NAD83)
MASSACHUSETTS STATE PLANE, MAINLAND ZONE,
U.S. FEET, COORDINATE SYSTEM.

VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

TOPOGRAPHIC MAPPING BY BLUESKY GEOSPATIAL LTD, 808 STATE ROAD, NORTH ADAMS, MA 01247.

2. WETLAND BOUNDARIES SHOWN HEREON WERE DELINEATED ON OCTOBER 19, 2022 BY GZA GEOENVIRONMENTAL, INC., 1350 MAIN STREET, SUITE 1400, SPRINGFIELD, MA 01103.

3. UNDERGROUND UTILITY LOCATIONS SHOWN HEREON ARE BASED UPON SURFACE FEATURES AS LOCATED BY SURVEY AND AVAILABLE RECORD DATA, AND ARE APPROXIMATE. ACTUAL LOCATIONS SHOULD BE VERIFIED WITH THE APPROPRIATE UTILITY COMPANY AND/OR MUNICIPAL DEPARTMENT PRIOR TO FINAL DESIGN AND/OR CONSTRUCTION.

SURVEY LOCATIONS BY HERITAGE LAND SUVRVEYING & ENGINEERING, INC.:
- SANITARY SEWER MANHOLES AND INVERTS DATA
- OBSERVED MARKED GAS LINES
- THRESHOLD GRADES AT BUILDING ENTRANCES
- SOIL BORINGS
- WETLAND DELINEATION FLAGS

ALL OTHER UTILITIES INFORMATION DERIVED FROM TOWN OF EAST LONGMEADOW GIS.

LEGEND

SANITARY SEWER LINE
SANITARY SEWER MANHOLE
DRAIN LINE
DRAIN MANHOLE
CATCH BASIN
WATER LINE
GAS LINE
FIBER LINE
SOIL BORING
SPOT ELEVATION
EDGE OF WETLAND
WETLAND DELINEATION FLAG
WETLAND

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

N

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CONSULTANTS:

EXISTING CONDITIONS PLAN I

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	1" = 40'
DRAWN BY:	CJR/ECV
REVISIONS:	

SD MSBA
SET

C-101

SEE SHEET C-101
MATCHLINE

SEE SHEET C-103
MATCHLINE

DENSE TREE

BORING 1A
BORING 1

BORING 3

BORING 4

BORING 5

BORING 6

NOTE:

1. REFER TO SHEET C-101 FOR EXISTING CONDITIONS NOTES AND LEGEND AND SANITARY SEWER STRUCTURES DATA TABLE.

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

N

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CONSULTANTS:

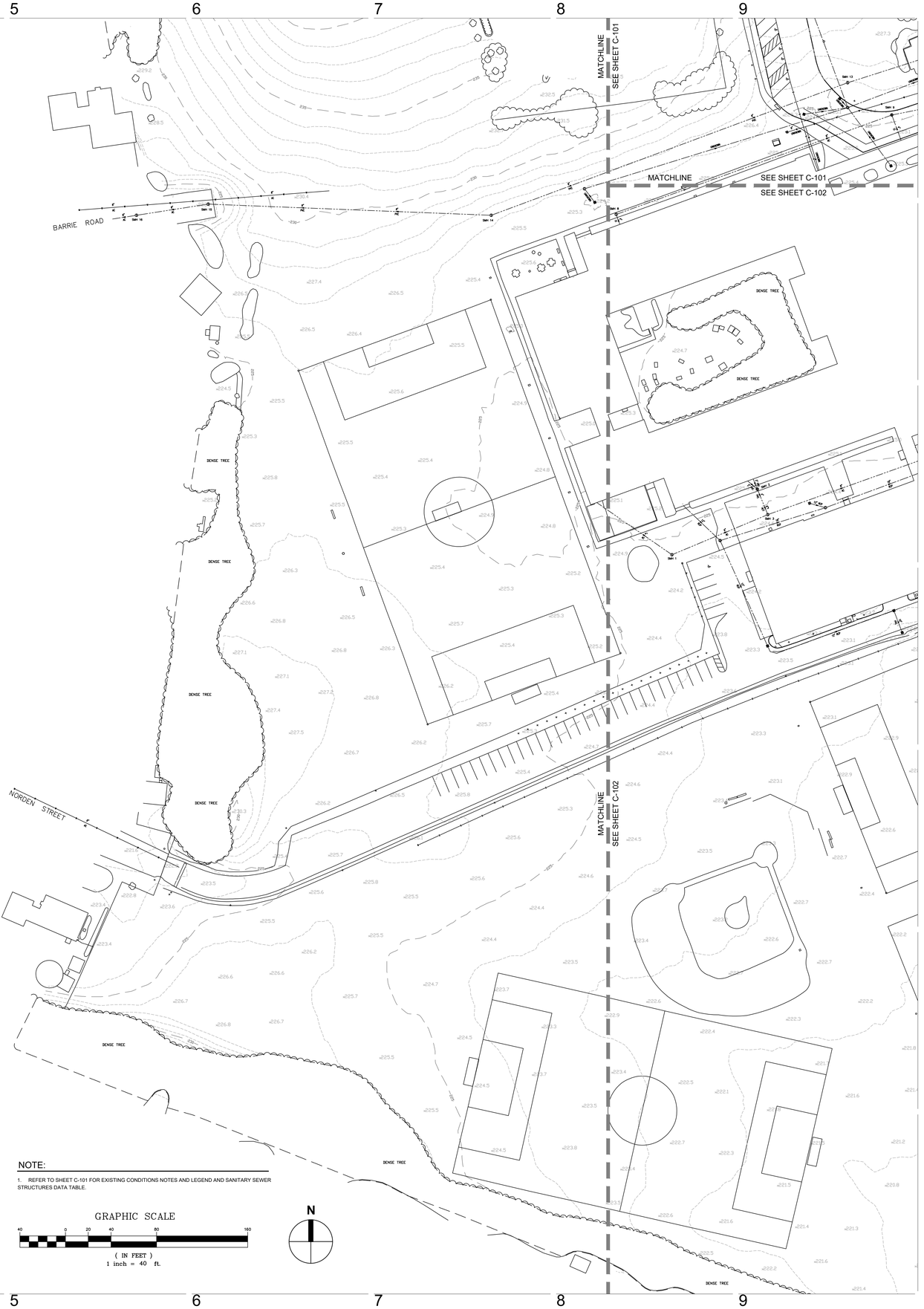
EXISTING CONDITIONS PLAN II

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	1" = 40'
DRAWN BY:	CJR/ECV
REVISIONS:	

SD MSBA
SET

C-102


BARRIE ROAD
NORDEN STREET
MATCHLINE
SEE SHEET C-101
SEE SHEET C-102
MATCHLINE
SEE SHEET C-101
MATCHLINE
SEE SHEET C-102
DENSE TREE
DENSE TREE
DENSE TREE

EROSION CONTROL NOTES - GENERAL:

1. CONFORM TO CONDITIONS LISTED IN THE ORDER OF CONDITIONS ISSUED FOR THIS PROJECT. A COPY OF THE ORDER OF CONDITIONS IS TO BE KEPT ON-SITE.
2. CONFORM TO CONDITIONS OF THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND THE NPDES GENERAL PERMIT. A COPY OF THE SWPPP IS TO BE KEPT ON-SITE.
3. INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES AT LEAST 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY SITEWORK OR EARTHWORK OPERATIONS, OR AS REQUIRED BY THE ORDER OF CONDITIONS (WHICHEVER IS GREATER) AND MAINTAIN THROUGHOUT CONSTRUCTION. MEASURES ARE TO REMAIN IN PLACE UNTIL SITEWORK IS COMPLETE AND GROUNDCOVER IS ESTABLISHED, AS DETERMINED BY THE ARCHITECT.
4. NOTIFY THE MASS DEP WESTERN REGIONAL OFFICE AND THE EAST LONGMEADOW CONSERVATION COMMISSION, IN WRITING, 48 HOURS BEFORE ANY ACTIVITY COMMENCES ON THE PROJECT SITE, OR AS REQUIRED BY THE ORDER OF CONDITIONS (WHICHEVER IS GREATER). DO NOT COMMENCE EARTH MOVING OR TREE REMOVAL PRIOR TO APPROVAL OF EROSION CONTROL MEASURES BY THE CONSERVATION COMMISSION.
5. SUBMIT A NPDES APPLICATION TO THE EPA AT LEAST 14 DAYS PRIOR TO THE COMMENCEMENT OF ANY SITEWORK OR EARTHWORK OPERATIONS. SUBMIT PROOF OF APPLICATION FOR A NPDES GENERAL PERMIT TO THE ARCHITECT AND OWNER PRIOR TO THE COMMENCEMENT OF ANY SITEWORK.
6. NOTIFY THE CONSERVATION COMMISSION __ DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES WITHIN THE WETLANDS BUFFER ZONE, OR AS REQUIRED BY THE ORDER OF CONDITIONS (WHICHEVER IS GREATER). DELINEATE THE LIMIT OF WORK AND FLAG TREES TO BE REMOVED FOR REVIEW BY THE COMMISSION.
7. INSTALL TEMPORARY CONSTRUCTION ENTRANCES PER DETAIL AT LOCATIONS INDICATED. RELOCATE AND MAINTAIN AS NECESSARY DURING CONSTRUCTION.
8. SURROUND SOIL STOCKPILES ON THEIR PERIMETERS WITH STAKED COMPOST SOCKS AND SILT FENCES TO CONTROL EROSION. MAINTAIN THROUGHOUT CONSTRUCTION.
9. STABILIZE SOIL STOCKPILES AND EXPOSED SOIL AREAS WHERE CONSTRUCTION ACTIVITIES WILL CEASE FOR 14 DAYS OR MORE, IN ACCORDANCE WITH THE NPDES GENERAL PERMIT.
10. PERFORM EARTHWORK ACTIVITIES ON THE SITE IN A MANNER SUCH THAT RUNOFF IS DIRECTED TO TEMPORARY DRAINAGE SWALES AND TEMPORARY SEDIMENTATION BASINS. TEMPORARY DRAINAGE FEATURES ARE TO BE ADJUSTED AND RELOCATED AS NECESSARY THROUGHOUT CONSTRUCTION.
11. EXCAVATIONS FOR PERMANENT STORMWATER FACILITIES MAY BE USED AS TEMPORARY SEDIMENTATION BASINS THROUGHOUT CONSTRUCTION AND ARE TO BE PERIODICALLY CLEANED DURING CONSTRUCTION. AT THE END OF CONSTRUCTION, CLEAN THESE EXCAVATED AREAS, INCLUDING SILT-LADEN LAYERS OF SOIL AND MUCK DEPOSITS, PRIOR TO FINALIZING FOR PERMANENT FACILITIES. ADDITIONAL TEMPORARY SEDIMENTATION BASINS ARE TO BE CONSTRUCTED AND USED THROUGHOUT THE SITE AS NECESSARY TO CONTROL RUNOFF DURING CONSTRUCTION.
12. CONSTRUCT TEMPORARY SEDIMENTATION BASINS TO CONTAIN A VOLUME OF RUNOFF EQUAL TO THE RESULTANT VOLUME OF RUNOFF FROM A 2-YEAR, 24-HOUR STORM EVENT FOR THE AREA THAT IS TRIBUTARY TO THE BASIN. BASIN OUTLINES SHOWN ON PLANS ARE APPROXIMATIONS ONLY. ADJUST LOCATIONS AND SIZES OF BASINS AS NECESSARY THROUGHOUT CONSTRUCTION TO STORE TRIBUTARY VOLUMES.
13. CONSTRUCT THE DRAINAGE SYSTEM, INCLUDING ANY BASINS OR SUBSURFACE FACILITIES, DURING THE INITIAL PHASE OF THE PROJECT (TO THE EXTENT PRACTICAL) SO IT IS FUNCTIONAL DURING CONSTRUCTION. KEEP STRUCTURES FREE OF SILT AND DEBRIS TO ENSURE THEIR PROPER OPERATION.
14. INSTALL SEDIMENT BAGS AT EXISTING AND PROPOSED CATCH BASIN GRATES AND USE SUPPLEMENTAL STAKED COMPOST SOCKS AT CATCH BASINS IN EXPOSED SOIL AREAS, AND AS INDICATED ON THE PLANS. PROTECT EXPOSED CULVERT AND PIPE INLETS AND OUTFALLS WITH COMPOST SOCKS OR SECURED FILTER FABRIC. MAINTAIN THESE MEASURES UNTIL DISTURBED AREAS ARE PERMANENTLY STABILIZED.
15. DEWATERING REQUIRED DURING CONSTRUCTION IS TO BE DISCHARGED INTO A TEMPORARY SEDIMENTATION BASIN, FRACTIONATION TANK, OR OTHER APPROVED DEVICE. DO NOT DISCHARGE DIRECTLY INTO THE PIPED STORM DRAIN SYSTEM OR RESOURCE AREA.
16. SOIL STOCKPILING, RE-FUELING OF EQUIPMENT, AND STORAGE OF MACHINERY AND EQUIPMENT IS NOT ALLOWED WITHIN RESOURCE AREAS, INCLUDING THE 100-FOOT WETLAND BUFFER ZONES.
17. PERFORM TURBIDITY MONITORING AND REPORTING OF DEWATERING DISCHARGES AT APPLICABLE DISCHARGE POINTS, AS REQUIRED AND IN ACCORDANCE WITH THE NPDES GENERAL PERMIT.
18. KEEP ON-SITE AT ALL TIMES: 50 LF RESERVE OF COMPOST SOCK (MINIMUM), 50 LF RESERVE OF SILT FENCE WITH STAKES (MINIMUM), ADDITIONAL EROSION CONTROL BLANKETS, STONE RIP-RAP, AND OTHER EROSION CONTROL DEVICES USED DURING CONSTRUCTION. THESE ARE TO BE INSTALLED AS NEEDED AND AT THE DIRECTION OF THE ARCHITECT OR THE CONSERVATION COMMISSION, TO MITIGATE AN EMERGENCY CONDITION. PROVIDE ADDITIONAL QUANTITIES IF REQUIRED BY THE ORDER OF CONDITIONS.

EROSION CONTROL NOTES - MAINTENANCE:

DURING THE PERIOD OF CONSTRUCTION AND UNTIL LONG TERM VEGETATION IS ESTABLISHED:

1. INSPECT EROSION AND SEDIMENT CONTROL MEASURES, INCLUDING SEDIMENTATION BASINS AND SWALES, AT LEAST ONCE EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS OF A 0.25-INCH OR GREATER STORM EVENT. REFER TO THE SWPPP FOR ADDITIONAL INFORMATION.
2. REPLACE OR REPAIR EROSION AND SEDIMENT CONTROL MEASURES AS NEEDED. REMOVE SEDIMENT WHEN IT HAS ACCUMULATED TO 1/2 THE DESIGN HEIGHT OR CAPACITY OF THE MEASURE. REFER TO THE SWPPP FOR ADDITIONAL INFORMATION.
3. MAINTAIN THE ENTRANCES AND EXITS FROM THE SITE IN A CONDITION THAT PREVENTS TRACKING OR FLOWING OF SEDIMENT INTO THE PRIVATE OR PUBLIC WAY. SEDIMENT THAT IS TRACKED, SPILLED, OR WASHED INTO THESE WAYS, IS TO BE REMOVED BY THE CONTRACTOR IMMEDIATELY.
4. CATCH BASINS, OUTLET CONTROL STRUCTURES, AND WATER QUALITY UNITS ARE TO BE INSPECTED AT LEAST EIGHT TIMES PER YEAR, DURING CONSTRUCTION, AND CLEANED OF SEDIMENT IF OVER SIX INCHES DEEP. ADDITIONALLY, CLEAN THESE STRUCTURES AT THE END OF CONSTRUCTION.

UTILITIES AND DEMOLITION NOTES:

1. PRIOR TO CONSTRUCTION, VERIFY EXISTING UTILITY LOCATIONS AS SHOWN ON THE DRAWINGS. CONTACT THE ARCHITECT FOR DIRECTION REGARDING ANY DISCREPANCIES OR UNDOCUMENTED UTILITIES ENCOUNTERED DURING CONSTRUCTION, PRIOR TO ALTERING THE UTILITY IN ANY WAY.
2. CONTACT THE APPROPRIATE UTILITY COMPANY AND "DIGSAFE" AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK TO REQUEST EXACT FIELD LOCATIONS OF UTILITIES. NOTIFY THE ARCHITECT OF ANY UTILITIES INTERFERING WITH THE PROPOSED CONSTRUCTION.
3. MAINTAIN FUNCTIONING UTILITIES AND NOTIFY THE OWNER AND ARCHITECT A MINIMUM OF 5 DAYS PRIOR TO ANY UTILITY SERVICE INTERRUPTION. OBTAIN APPROVAL TO PROCEED PRIOR TO INTERRUPTION.
4. REMOVE ONLY THE EXISTING UTILITIES THAT ARE SPECIFICALLY DESIGNATED ON THIS PLAN TO BE REMOVED. EXISTING UTILITIES NOT DESIGNATED FOR REMOVAL ARE TO REMAIN UNDISTURBED AND PROTECTED AS NECESSARY DURING CONSTRUCTION. UTILITY PIPES DESIGNATED TO BE CAPPED SHALL BE PERMANENTLY PLUGGED AT THEIR ENDS WITH WATERTIGHT BRICK MASONRY OR CEMENT MORTAR WITH A MINIMUM THICKNESS OF 8", OR AN APPROVED MECHANICAL CAP.
5. REMOVE ONLY THE EXISTING SITE FEATURES THAT ARE SPECIFICALLY DESIGNATED ON THIS PLAN TO BE REMOVED. EXISTING SITE FEATURES AND AREAS NOT DESIGNATED FOR REMOVAL ARE TO REMAIN UNDISTURBED AND PROTECTED AS NECESSARY DURING CONSTRUCTION.
6. CAREFULLY REMOVE, STORE, AND PROTECT ITEMS DESIGNATED TO BE SALVAGED IN A DEDICATED LOCATION UNTIL DELIVERED TO THE OWNER OR RE-INSTALLED ON-SITE. DELIVERY TO OWNER INCLUDES TRANSPORTING WITHIN 5 MILES OF THE PROJECT SITE.
7. PROTECT EXISTING TREES AND VEGETATION DURING CONSTRUCTION, EXCEPT FOR THOSE ITEMS OR AREAS SPECIFICALLY DESIGNATED ON THIS PLAN TO BE REMOVED. INSTALL TREE PROTECTION PER DETAIL AT LOCATIONS INDICATED. REPLACE OR PROVIDE COMPENSATION FOR TREES DAMAGED OR DECEASED AS A RESULT OF CONSTRUCTION ACTIVITIES THAT WERE DESIGNATED TO BE PROTECTED.
8. CONTACT ARCHITECT TO REVIEW LIMITS OF TREE REMOVAL PRIOR TO PERFORMING ANY REMOVAL.
9. FURNISH AND INSTALL TEMPORARY DRAINAGE, WATER, SEWER, GAS, ELECTRICAL, AND TELECOMMUNICATION UTILITIES DESIGNATED ON THIS PLAN AND AS REQUIRED, PRIOR TO REMOVAL OF EXISTING FUNCTIONING UTILITY. MAINTAIN TEMPORARY UTILITIES THROUGHOUT CONSTRUCTION AND PROTECT AS NECESSARY. REMOVE UTILITIES ONCE PERMANENT UTILITIES ARE FUNCTIONAL, OR WHEN TEMPORARY SERVICE IS NO LONGER REQUIRED.
10. REMOVE AND DISPOSE OF DEMOLISHED MATERIALS NOT DESIGNATED FOR SALVAGE OR STOCKPILE. DISPOSE OF OFF-SITE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL CODES AND REGULATIONS.
11. ADJUST TEMPORARY FENCING AS REQUIRED THROUGHOUT CONSTRUCTION. REPAIR OR REPLACE DAMAGED SECTIONS IMMEDIATELY UPON OBSERVATION.
12. NO WORK SHALL BE CONDUCTED BEYOND THE PROPERTY LINE UNLESS SPECIFICALLY INDICATED ON THESE PLANS.
13. ESTABLISH AND MAINTAINING CONTROL POINTS AND BENCH MARKS NECESSARY FOR THE CONSTRUCTION OF THE PROJECT.

SITE PREPARATION LEGEND

- LIMIT OF WORK
- COMPOST FILTER TUBE
- COMPOST FILTER TUBE CHECK DAM
- SEDIMENT BAG AT CATCH BASIN
- TEMPORARY CONSTRUCTION ENTRANCE
- TEMPORARY DRAINAGE SWALE WITH COMPOST TUBE CHECK DAM
- SAWCUT LINE
- REMOVE BITUMINOUS PAVEMENT AND REMOVE OR STOCKPILE ADJACENT CURBING
- REMOVE CONCRETE SIDEWALK/PAD AND NON-DEDICATION UNIT PAVERS
- STRIP AND STOCKPILE TOPSOIL
- REMOVE BUILDING, CONCRETE SLABS, FOUNDATION, AND PAVED WALKWAYS OBSCURED BY ROOF
- REMOVE SKINNED INFIELD
- REMOVE AND CLEAR TREES, STUMPS AND UNDERSTORY VEGETATION
- REMOVE UTILITY LINE
- PROTECT TREE AT APPROXIMATE DRIP LINE
- ETR — EXISTING ITEM TO REMAIN
- R&D — EXISTING ITEM TO BE REMOVED & DEMOLISHED
- TEMPORARY SOIL SHEETING/SHORING
- PROPOSED SITE FEATURES
- CUT & CAP UTILITY LINE
- TEMPORARY FENCE W/ GATE
- PROPOSED TREELINE

GRAPHIC SCALE
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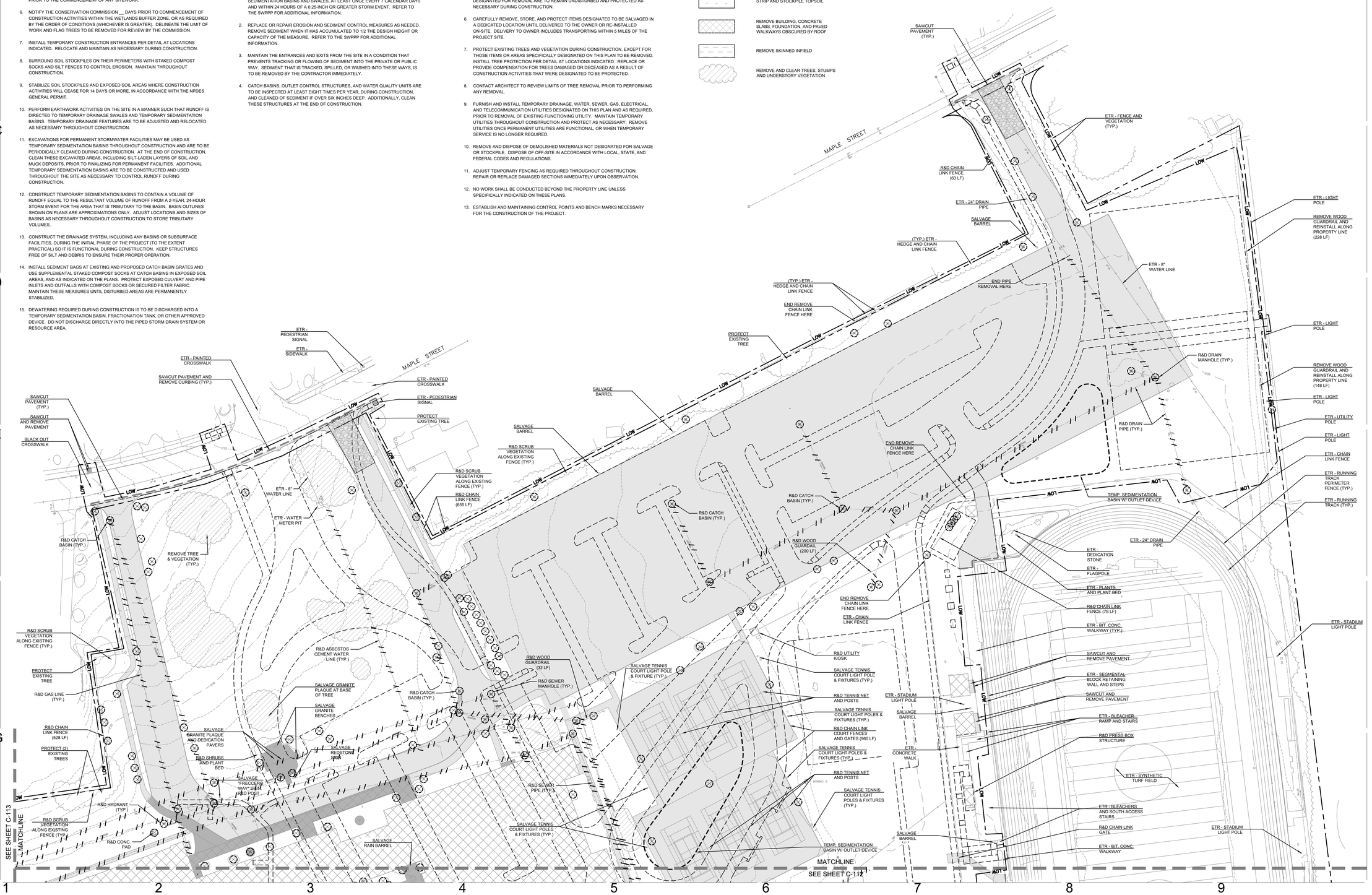

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CONSULTANTS:

SITE PREPARATION PLAN I

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	1" = 40'
DRAWN BY:	CJR
REVISIONS:	

SD MSBA SET

C-111

SEE SHEET C-111
MATCHLINE

SEE SHEET C-113
MATCHLINE

(TYP.) SALVAGE BENCHES (8 TOTAL)
SALVAGE BIRD BATH
SALVAGE PLANTERS (4 TOTAL)
SALVAGE GARDEN SCULPTURES (3 TOTAL)
R&D GREENHOUSE
R&D CHAIN LINK FENCE (34 LF)
R&D SMOKE STACK
SALVAGE STORAGE CABINETS
SALVAGE TABLE
SALVAGE PICNIC TABLES (4 TOTAL)
SALVAGE TENNIS COURT LIGHT POLES & FIXTURES (TYP.)
SALVAGE (2) 3-ROW BLEACHERS
R&D CHAIN LINK FENCE - REFER TO SHEET C-111
SALVAGE 4-ROW BLEACHER
SALVAGE 3-ROW BLEACHER
R&D CHAIN LINK FENCE (6FT.)
R&D CHAIN LINK BACKSTOP (48 LF)
R&D CHAIN LINK FENCE (99 LF)
SALVAGE BARREL
SALVAGE STORAGE CONTAINERS FOR RE-USE
SALVAGE PRECAST THROWING WALL AND SYNTHETIC TURF SURFACING FOR RE-USE
R&D CHAIN LINK FENCE (47 LF)
R&D BULLPEN AND SYNTHETIC SURFACING
ETR - SYNTHETIC TURF FIELD
ETR - STADIUM LIGHT POLE
SALVAGE BATTING PRACTICE CAGE
ETR - BIT. CONC. WALKWAY
ETR - RUNNING TRACK PERIMETER FENCE
ETR - RUNNING TRACK
R&D CHAIN LINK FENCE (491 LF)
ETR - DISCUSS AND SHOTPUT THROWING AREAS
SALVAGE STORAGE CONTAINER FOR RE-USE
SALVAGE BATTING PRACTICE CAGE
SALVAGE SOCCER GOAL
(TYP.) R&D SCRUB VEGETATION ALONG EXISTING FENCE TO BE REMOVED
END REMOVE CHAIN LINK FENCE HERE
(TYP.) SALVAGE TWO-ROW PORTABLE BLEACHERS (APPOX. 40)
SALVAGE STORAGE CABINET
R&D TIMBER CURB (160 LF)
R&D EXISTING WOOD POST AND CABLE GUARDRAIL - REFER TO SHEET C-113
R&D CHAIN LINK FENCE (31 LF)
R&D CHAIN LINK FENCE (17 LF)
R&D EXISTING WOOD POST AND CABLE GUARDRAIL (315 LF)
SALVAGE SOCCER FLAG
R&D EXISTING WOOD POST AND CABLE GUARDRAIL (705 LF)
SALVAGE SOCCER GOAL
SALVAGE SOCCER FLAG
SALVAGE BENCHES
SALVAGE BARREL
R&D CHAIN LINK FENCE (26 LF)
R&D CHAIN LINK BACKSTOP (69 LF)
SALVAGE BENCH
SALVAGE BENCHES
R&D CHAIN LINK FENCE (26 LF)
SALVAGE SOCCER FLAG
SALVAGE BARREL
R&D SCOREBOARD AND POST
R&D FOOTBALL GOAL POST
SALVAGE ATHLETIC EQUIPMENT
ETR - TREES AND VEGETATION (TYP.)
R&D FOOTBALL GOAL POST
SALVAGE BENCH
SALVAGE BARREL
SALVAGE ATHLETIC EQUIPMENT
SALVAGE SOCCER GOAL
SALVAGE BARREL
SALVAGE BENCH
R&D CHAIN LINK FENCE (23 LF)
R&D CHAIN LINK BACKSTOP (40 LF)
R&D CHAIN LINK FENCE (24 LF)
SALVAGE BENCH
ETR - TREES AND VEGETATION (TYP.)
LOW

BORING 1
BORING 4
BORING 5
BORING 6

NOTE:

1. REFER TO SHEET C-111 FOR EROSION CONTROL NOTES - GENERAL AND EROSION CONTROL NOTES - MAINTENANCE, UTILITIES AND DEMOLITION NOTES, AND SITE PREPARATION LEGEND.

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EAST LONGMEADOW, MA 01028

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C-112

NOTES:

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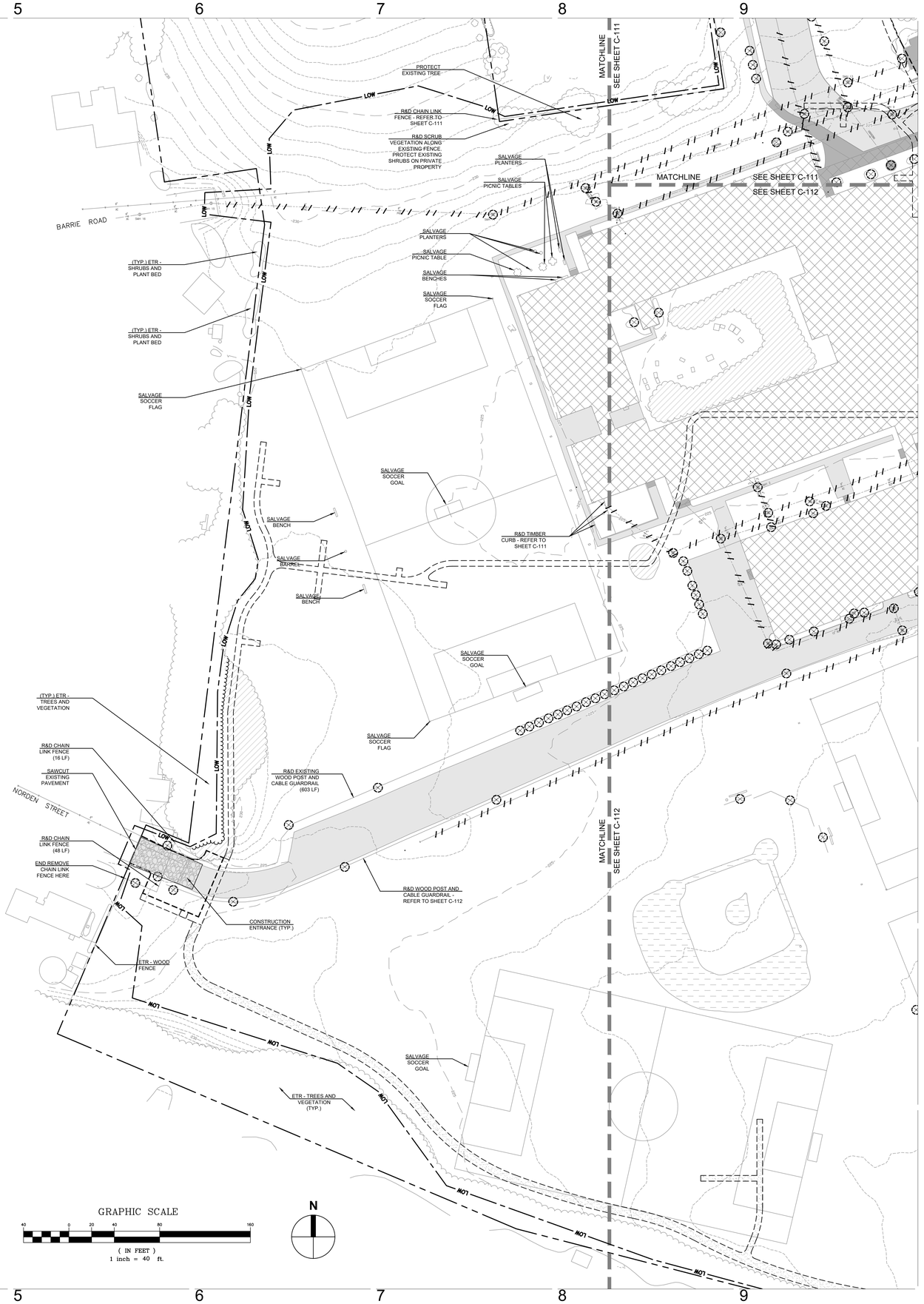

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LEGEND

●	BOLLARD (TYPE VARIES)
⊸	SIGN
	DOUBLE LUMINAIRE (ROADWAY SCALE)
	SINGLE LUMINAIRE (ROADWAY SCALE)
	SINGLE LUMINAIRE (PEDESTRIAN-SCALE)
	TENNIS / BASKETBALL COURT LUMINAIRE
	GRANITE CURB
	CROSSWALK
	TWO-WAY TRAFFIC PAVEMENT MARKING
	ONE-WAY TRAFFIC PAVEMENT MARKING
	PAINTED ACCESSIBLE PARKING SYMBOL
	PAINTED PAVEMENT STRIPING
(14)	PARKING COUNTS
	HEAVY-DUTY BITUMINOUS PAVEMENT
	STANDARD BITUMINOUS PAVEMENT / BITUMINOUS WALKWAY
	POROUS PAVEMENT
	BUILDING
	CONCRETE WALK / PLAZA W/ SCORE JOINTS
	THICKENED CONCRETE PAVEMENT / CONCRETE EQUIPMENT PAD
	REINFORCED TURF SURFACING
	PERVIOUS PAVERS (PARKING AREAS)
	UNIT PAVERS (PEDESTRIAN AREAS)
	PLAYGROUND PROTECTIVE SURFACING
	CRUSHED STONE SURFACING
	STONE DUST SURFACING
	WOOD STOCKADE FENCE
	CHAIN LINK FENCE
	DECORATIVE METAL FENCE
	WOOD GUARD RAIL
	ATHLETIC FIELD SAFETY NETTING
	SITE WALLS
SF / LF	SQUARE FEET / LINEAR FEET
HT.	HEIGHT
TYP.	TYPICAL
EOP	EDGE OF PAVEMENT
SWL	SINGLE WHITE PAINTED LINE
DYL	DOUBLE YELLOW PAINTED LINE
SYL	SINGLE YELLOW PAINTED LINE
	LIMIT OF BIORETENTION AREA
	PROPERTY LINE
	RIP RAP

LAYOUT & MATERIALS NOTES:

1. DIMENSIONS SHOWN OFF THE BUILDING ARE FROM THE EXTERIOR FACE OF THE FOUNDATION WALL.
2. DIMENSIONS SHOWN IN THE PARKING LOTS AND ROADWAYS ARE FROM THE FACE OF CURB, CENTERLINE OF STRIPING, AND EDGE OF PAVEMENT.
3. DIMENSIONS SHOWN IN THE CONCRETE WALKWAYS AND PLAZAS ARE FROM SCORE JOINTS, EXPANSIONS JOINTS, AND EDGE OF CONCRETE.
4. COORDINATE THE EXACT LOCATION OF THE TRANSFORMER, SWITCHBOARD, TRANSCLOSURE, GENERATOR, AND PV BATTERY STORAGE PADS WITH THE ELECTRICAL PLANS. CONFIRM PAD SIZES WITH THE SELECTED PRODUCT PRIOR TO INSTALLING.
5. SEE ARCHITECTURAL PLANS FOR EXACT BUILDING DIMENSIONS AND LOCATIONS OF DOORS.
6. COORDINATE WORK IN THE TOWN RIGHT-OF-WAY WITH THE TOWN OF EAST LONGMEADOW DEPARTMENT OF PUBLIC WORKS.
7. INSTALL GUARDRAIL SO THAT FACE OF RAIL IS 2'-0" FROM FACE OF CURB, UNLESS NOTED OTHERWISE.
8. LIGHTPOLE BASES IN LAWN AREAS ARE TO BE INSTALLED SO THAT THE CENTER OF BASE IS 3'-0" AWAY FROM THE FACE OF CURB OR EDGE OF PAVED AREA, UNLESS OTHERWISE NOTED.
9. INSTALL SITE FEATURES AND FURNISHINGS TO MEET ADA AND MAAB REQUIREMENTS FOR ACCESSIBILITY. NOTIFY THE ARCHITECT OF POTENTIAL CONFLICTS PRIOR TO INSTALLING.

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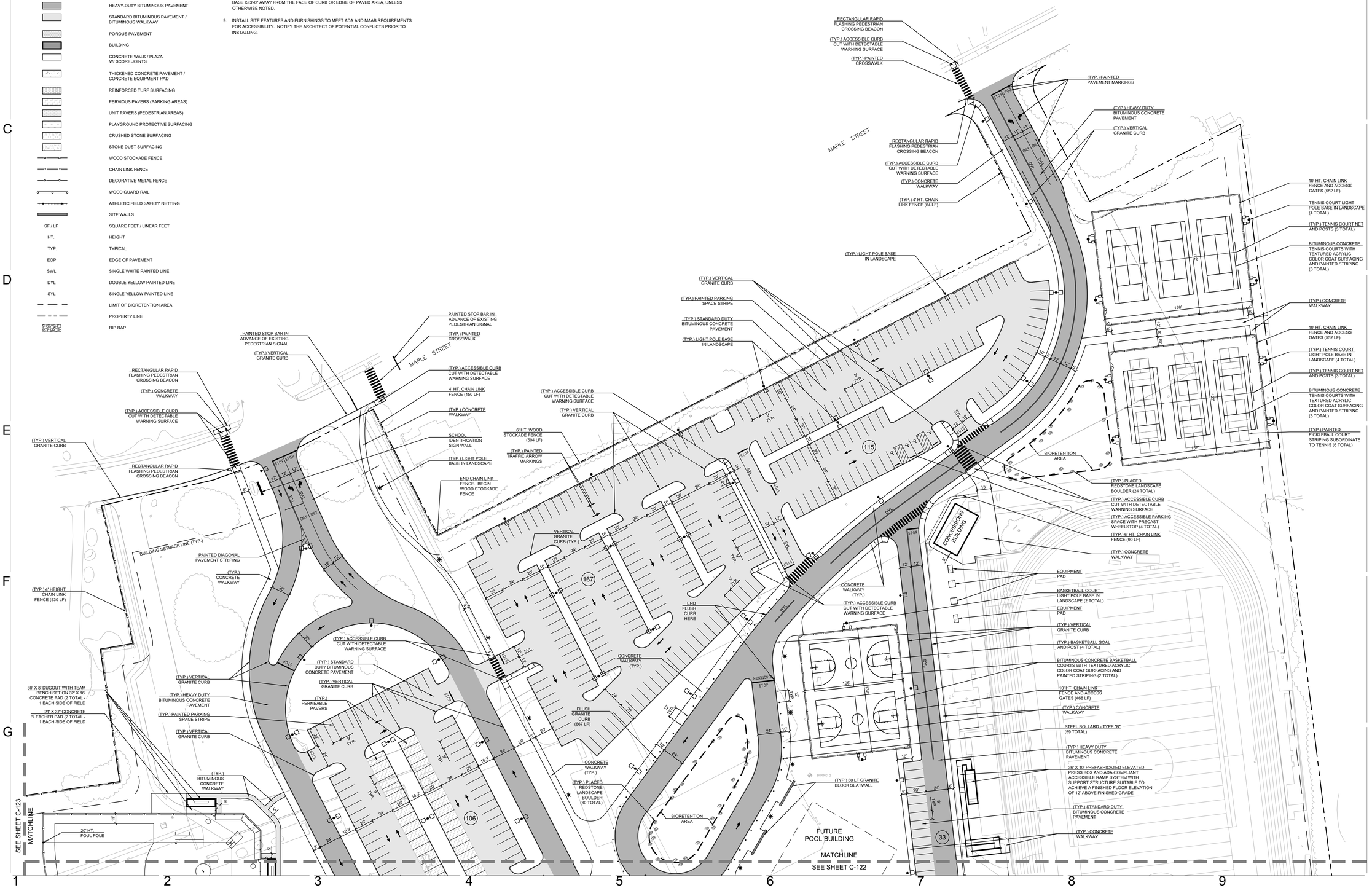

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C-121

SEE SHEET C-121
MATCHLINE

SEE SHEET C-123
MATCHLINE

FUTURE POOL BUILDING

PROPOSED SCHOOL BUILDING

SOFTBALL BATTING CAGE:
- 8' HT. CHAIN LINK PERIMETER FENCE AND ACCESS GATES (212 LF)
- 14'WIDE X 80' LENGTH X 12' HT. NETTING WITH SCH. 40 GALVANIZED FRAME
- ARTIFICIAL TURF SURFACING WITHIN ENCLOSURE (1,850 SF)
- HOME PLATE AREA AND PITCHING CIRCLE

ELECTRONIC SOFTBALL SCOREBOARD

M.I.A.A. VARSITY SOFTBALL FIELD:
- 200' OUTFIELD FENCE
- SKINNED INFIELD AND PERIMETER WARNING TRACK
- 6' HT. PERIMETER AND TEAM AREA CHAIN LINK FENCE AND ACCESS GATES WITH COIL FENCE CROWN
- 24' HT. CHAIN LINK BACKSTOP (85 LF)

20' HT. FOUL POLE

VERTICAL GRANITE CURB (TYP.)

CONCRETE WALKWAY (TYP.)

(TYP.) BITUMINOUS CONCRETE WALKWAY

(TYP.) LIGHT POLE BASE IN LANDSCAPE

(TYP.) PERMEABLE PAVERS

4' HT. CHAIN LINK FENCE (190 LF)

(TYP.) CONCRETE WALKWAY

ACCESS GRANITE CURB (20 LF)

M.I.A.A. STANDARD NATURAL TURF SOCCER AND BOYS LACROSSE FIELD

ELECTRONIC LIFT ARM BARRIER GATE (22 LF ARM) AND FOUNDATION

STEEL BOLLARD - TYPE "A" (2 TOTAL)

10' HT. SAFETY NETTING SYSTEM FOR LACROSSE FIELD (300 LF)

M.I.A.A. STANDARD NATURAL TURF SOCCER AND GIRLS LACROSSE FIELD

(TYP.) STONE DUST WALKING PATH WITH INTEGRAL TACKIFIER

FOOTBALL GOAL POST

M.I.A.A. STANDARD NATURAL TURF FOOTBALL FIELD

NATURAL TURF PRACTICE FIELD

(TYP.) PROPOSED TREE LINE

BUILDING SETBACK LINE (TYP.)

(TYP.) UNIT PAVERS

END FLUSH CURB HERE

(TYP.) LIGHT POLE BASE IN LANDSCAPE

BIORETENTION AREA

ACCESSIBLE PARKING SPACE WITH PRECAST WHEELSTOP (3 TOTAL)

(TYP.) VERTICAL GRANITE CURB

EV PARKING SPACE WITH PRECAST WHEELSTOP (2 TOTAL)

DUAL EV CHARGING STATION FOUNDATION

PLAY STRUCTURES AND ELEMENTS (ASSUME 3) - (1) STRUCTURE WITH SHADE CANOPY

PLAYGROUND PROTECTIVE SURFACING (1,000 SF)

DECORATIVE METAL FENCE AND GATE SET IN 12" X 12" FLUSH CONCRETE EDGER (98 LF)

GRANITE BLOCK SEATWALL (79 LF)

GRANITE BLOCK SEATWALL (47 LF)

GRANITE BLOCK SEATWALL (37 LF)

CONCRETE WALKWAY (TYP.)

TRIANGULAR SHADE STRUCTURE WITH NYLON CANOPY AND (3) STEEL POSTS (24' SIDES X 12' HT.)

INTEGRALLY COLORED CONCRETE WALKWAY

LIMIT OF POTENTIAL FUTURE BUILDING EXPANSION

(TYP.) SITE FURNISHINGS

(2) TRIANGULAR SHADE STRUCTURE WITH NYLON CANOPY AND (3) STEEL POSTS (24' SIDES X 12' HT.)

GRANITE BLOCK SEATWALL (97 LF)

INTEGRALLY COLORED CONCRETE WALKWAY

(TYP.) REINFORCED TURF SURFACING

(TYP.) POROUS PAVEMENT

SYNTHETIC LAWN ON GRADE (500 SF)

GRANITE BLOCK SEATWALL (80 LF)

FLAG POLE AND FOUNDATION

RELOCATE SALVAGED "SPARTAN WALKWAY" ELEMENTS TO HERE

(TYP.) 30 LF GRANITE BLOCK SEATWALL (5 TOTAL)

(TYP.) PAINTED CROSSWALK

(TYP.) CONCRETE WALKWAY

(TYP.) STEEL BOLLARD - TYPE "B" (36 TOTAL)

(TYP.) BIORETENTION AREA CROSSING (56 LF)

(TYP.) PLACED REDSTONE LANDSCAPE BOULDER (26 TOTAL)

ACCESSIBLE PARKING SPACE WITH PRECAST WHEELSTOP (4 TOTAL)

FLUSH GRANITE CURB (333 LF)

CONCRETE ADA-COMPLIANT ACCESSIBLE RAMP WITH SCH. 40 STEEL HANDRAILS AND GUARDRAILS

REINFORCED CONCRETE RETAINING WALL ALONG OUTSIDE EDGE OF ACCESSIBLE RAMP

STEEL BOLLARD - TYPE "A"

RAISED LOADING DOCK PLATFORM. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS

SCH. 40 STEEL GUARDRAIL (NO HANDRAIL) ATOP LOADING DOCK PLATFORM (23 LF)

(TYP.) CONCRETE WALKWAY

STEEL BOLLARD - TYPE "A" (6 TOTAL)

OIL CONTAINMENT AT TRANSFORMER PAD

CRUSHED STONE SURFACING WITH STEEL LANDSCAPE EDGE RESTRAINT (3,200 SF)

EQUIPMENT PAD

THICKENED CONCRETE PAVEMENT AT LOADING DOCK

REFUSE / RECYCLING CONTAINERS BY OWNER

(TYP.) STANDARD DUTY BITUMINOUS CONCRETE PAVEMENT

(TYP.) CONCRETE WALKWAY

(TYP.) CONCRETE CURB

DUAL EV CHARGING STATION FOUNDATION

EV PARKING SPACE WITH PRECAST WHEELSTOP (2 TOTAL)

ACCESSIBLE PARKING SPACE WITH PRECAST WHEELSTOP (2 TOTAL)

(TYP.) ACCESSIBLE CURB CUT WITH DETECTABLE WARNING SURFACE

(TYP.) PAINTED PARKING SPACE STRIPE

EV PARKING SPACE WITH PRECAST WHEELSTOP (2 TOTAL)

DUAL EV CHARGING STATION FOUNDATION

ACCESSIBLE PARKING SPACE WITH PRECAST WHEELSTOP (2 TOTAL)

(TYP.) ACCESSIBLE CURB CUT WITH DETECTABLE WARNING SURFACE

EQUIPMENT PAD

RELOCATE SALVAGED PRECAST PRACTICE WALL AND ARTIFICIAL TURF SURFACING TO HERE

6' HT. CHAIN LINK FENCE AND ACCESS GATES (613 LF)

(TYP.) VERTICAL GRANITE CURB

(TYP.) HEAVY DUTY BITUMINOUS CONCRETE PAVEMENT

(TYP.) LIGHT POLE BASE IN LANDSCAPE

ACCESS GRANITE CURB (20 LF)

STEEL BOLLARD - TYPE "A" (2 TOTAL)

ELECTRONIC LIFT ARM BARRIER GATE (22 LF ARM) AND FOUNDATION

INTEGRALLY COLORED CONCRETE WALKWAY

NOTE:

1. REFER TO SHEET C-121 FOR LAYOUT & MATERIALS NOTES AND LEGEND.

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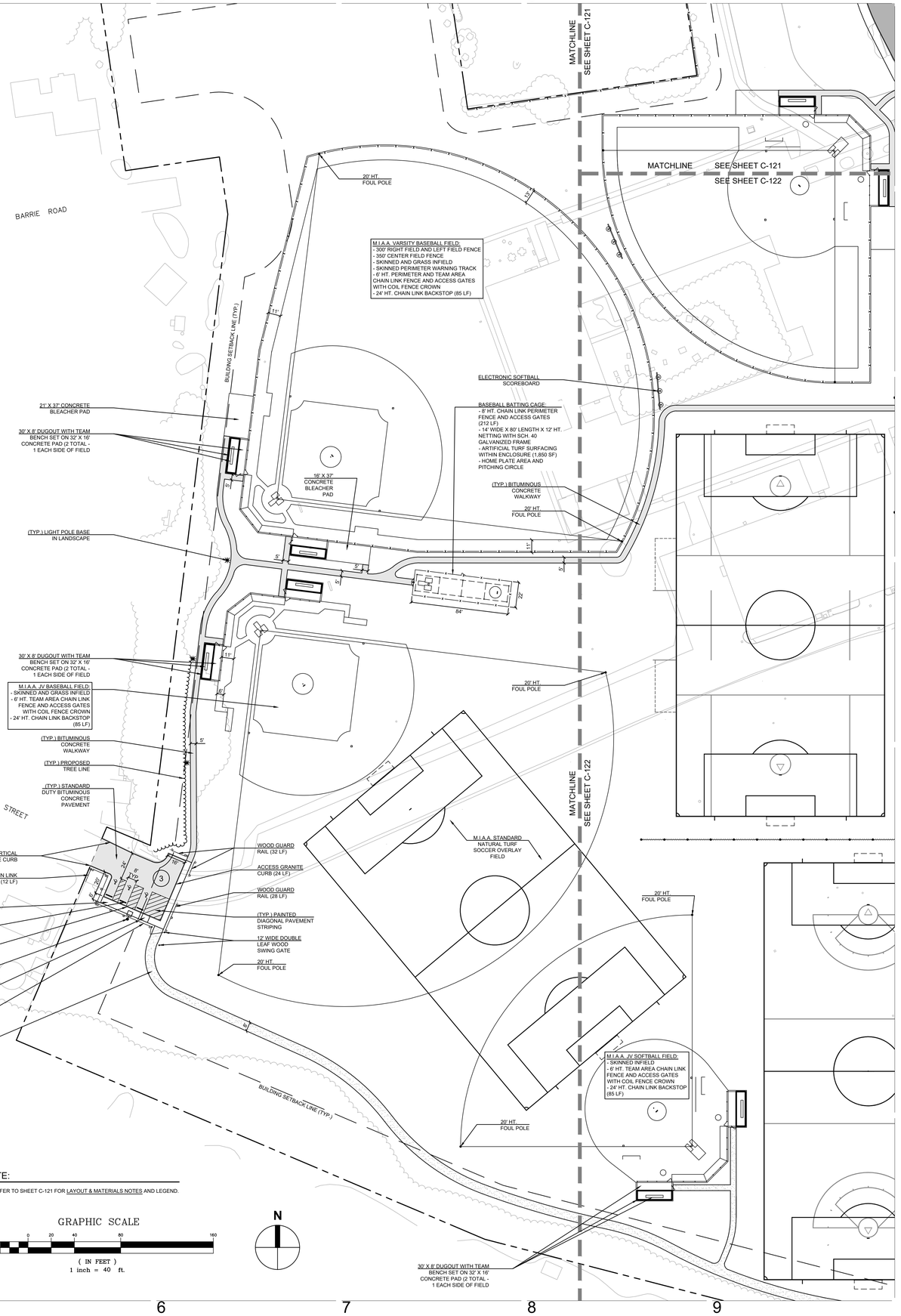

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LEGEND & ABBREVIATIONS

	WATER GATE
	HYDRANT
	SEWER MANHOLE
	SEWER PUMP CHAMBER W/ VALVE PIT
	GREASE TRAP
	DRAIN MANHOLE
	WATER QUALITY UNIT
	CATCH BASIN
	WATER QUALITY INLET
	AREA DRAIN / PLANTER DRAIN
	CLEAN OUT
	TRENCH DRAIN
	OUTLET CONTROL STRUCTURE
	OIL WATER SEPARATOR
	ELEC / COMM HANDHOLE
	ELEC / COMM MANHOLE
—W—	WATER LINE
—D—	DRAIN LINE
—S—	SEWER LINE
--FD--	FOUNDATION DRAIN
—UGE—	ELECTRIC LINE
—UGT—	TELE-COMM LINE
—FM—	FORCE MAIN
x91.00	SPOT GRADE
98	CONTOUR
FFE	FINISH FLOOR ELEVATION
RIM	RIM ELEVATION
INV	INVERT ELEVATION
PVC	POLYVINYL CHLORIDE PIPE
RCP	REINFORCED CONCRETE PIPE
CPP	CORRUGATED POLYETHYLENE PIPE
CLDI	CEMENT LINE DUCTILE IRON PIPE

DRAINAGE & UTILITIES NOTES:

1. PRIOR TO CONSTRUCTION, VERIFY EXISTING UTILITY LOCATIONS AS SHOWN ON THE DRAWINGS. CONTACT THE ARCHITECT FOR DIRECTION REGARDING ANY DISCREPANCIES OR UNDOCUMENTED UTILITIES ENCOUNTERED DURING CONSTRUCTION, PRIOR TO ALTERING THE UTILITY IN ANY WAY.
2. CONTACT THE APPROPRIATE UTILITY COMPANY AND "DIG SAFE" AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK TO REQUEST EXACT FIELD LOCATIONS OF EXISTING UTILITIES. NOTIFY THE ARCHITECT OF ANY UTILITIES INTERFERING WITH THE PROPOSED CONSTRUCTION.
3. MAINTAIN FUNCTIONING UTILITIES AND NOTIFY THE ARCHITECT A MINIMUM OF 5 DAYS PRIOR TO PERFORMING ANY WORK THAT INVOLVES CONFLICTS BETWEEN PROPOSED UTILITIES AND EXISTING UTILITIES TO REMAIN OR UTILITY SERVICE INTERRUPTION. OBTAIN APPROVAL TO PROCEED PRIOR TO INTERRUPTION.
4. PROTECT NEW AND EXISTING UTILITIES TO REMAIN DURING CONSTRUCTION.
5. FILE AND PAY FOR APPLICABLE PERMITS AND FEES (UNLESS OTHERWISE NOTED).
6. PIPE MATERIALS (UNLESS OTHERWISE SPECIFIED):
   STORM DRAIN: CORRUGATED POLYETHYLENE PIPE (CPE)
   WATER: CLASS 52 CEMENT LINED DUCTILE IRON (CLDI)
   SEWER: POLYVINYL CHLORIDE PIPE (PVC)
7. PROVIDE ADEQUATE BRACING AND SHORING OF ALL EXCAVATIONS IN ACCORDANCE WITH ALL GOVERNING CODES AND REGULATIONS.
8. COORDINATE WORK WITH APPROPRIATE UTILITY COMPANIES.
9. THE GAS, ELECTRIC, AND TELEPHONE SERVICES SHOWN ARE APPROXIMATE. COORDINATE ACTUAL LOCATIONS WITH THE APPROPRIATE SUBCONTRACTOR AND UTILITY COMPANY.
10. REFER TO ELECTRICAL SITE PLANS FOR MORE INFORMATION REGARDING ELECTRICAL AND TELECOMMUNICATION UTILITIES, APPLICABLE DETAILS, DUCTBANK SIZES, ANY TEMPORARY UTILITIES, AND FOR THE EXACT NUMBER AND TYPE OF LIGHTING FIXTURES.
11. VERIFY EXISTING DRAINAGE AND SEWER INVERTS WHERE NEW UTILITY CONNECTIONS ARE PROPOSED. REPORT DISCREPANCIES FROM EXISTING OR PROPOSED CONNECTING INVERTS SHOWN TO THE ARCHITECT, PRIOR TO PERFORMING ANY UTILITY WORK TRIBUTARY TO THE CONNECTION POINT.
12. PLANS INDICATE VERTICAL AND HORIZONTAL LOCATION OF UTILITY COVERS AND GRATES. COORDINATE INSTALLATION OF ECCENTRIC UTILITY STRUCTURES SO THAT ASSOCIATED GRATES AND COVERS ARE LOCATED PER THE PLANS. LIMITS OF BELOW GRADE STRUCTURES MAY VARY.
13. FURNISH AND INSTALL FOUNDATION DRAINS AND CLEANOUTS ALONG THE EXTERIOR OF THE BUILDING. FOUNDATION DRAINS AND CLEANOUTS WITHIN THE BUILDING FOOTPRINT TO BE FURNISHED AND INSTALLED BY THE PLUMBING CONTRACTOR UNTIL IT REACHES THE EXTERIOR OF THE BUILDING.
14. RESET FRAMES OF EXISTING UTILITY STRUCTURES TO REMAIN WITH NEW BRICK AND MORTAR RISER COURSE TO MATCH PROPOSED FINISH GRADE WITHIN THE LIMIT OF WORK. MODIFICATIONS TO PRECAST UNITS OR BLOCK STRUCTURES MAY BE REQUIRED WHEN LOWERING AN EXISTING FRAME. NOTIFY ARCHITECT IF EXISTING STRUCTURES NEED ADDITIONAL REPAIR OR REPLACEMENT DUE TO CONDITION.
15. PROVIDE CONCRETE THRUST BLOCKS AT ALL BENDS 22.5° AND GREATER IN NEW WATER LINES.
16. CONFIRM NEW HYDRANTS, WATER VALVES, AND FITTINGS MEET THE REQUIREMENTS OF THE TOWN OF _____ FIRE DEPARTMENT AND WATER DEPARTMENT.
17. COORDINATE UTILITY WORK IN THE PUBLIC RIGHT-OF-WAY WITH AUTHORITIES HAVING JURISDICTION (AHJ). UTILITY INSTALLATIONS AND PRODUCTS USED IN THE PUBLIC RIGHT-OF-WAY TO BE IN ACCORDANCE WITH APPLICABLE AHJ REQUIREMENTS AND PERMIT CONDITIONS.
18. REFER TO ENLARGEMENT PLAN(S) C-_____ FOR DRAINAGE AND UTILITIES SCOPE WITHIN ENLARGEMENT AREAS.
19. REFER TO PHASING PLAN(S) C-_____ FOR APPROXIMATE LIMITS OF DRAINAGE AND UTILITIES SCOPE IN EACH PHASE.
20. CLEAN UTILITY STRUCTURES PRIOR TO PROJECT CLOSE-OUT.

GRADING NOTES:

1. INSTALL BITUMINOUS PAVEMENT AND CEMENT CONCRETE TO HAVE 1% MINIMUM SLOPE FOR DRAINAGE AND IN ACCORDANCE WITH THE PROPOSED GRADES SHOWN. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES ON PLANS PRIOR TO GRADING BASE MATERIAL.
2. INSTALL SIDEWALK AND CROSSWALKS TO HAVE A MAXIMUM 2% CROSS SLOPE AND 5% RUNNING SLOPE. INSTALL PLAZA AREAS, ACCESSIBLE PARKING SPACES, AND THE ASSOCIATED ACCESS AISLES TO HAVE A MAXIMUM 2% SLOPE IN ALL DIRECTIONS. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES ON PLANS PRIOR TO GRADING BASE MATERIAL.
3. REFER TO ENLARGEMENT PLAN(S) C-_____ FOR GRADING WITHIN ENLARGEMENT AREAS.
4. REFER TO PHASING PLAN(S) C-_____ FOR APPROXIMATE LIMITS OF GRADING IN EACH PHASE.
5. ESTABLISH AND MAINTAIN CONTROL POINTS AND BENCH MARKS NECESSARY FOR THE CONSTRUCTION OF THE PROJECT.

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

N

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CONSULTANTS:

GRADING & UTILITIES PLAN I

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	1" = 40'
DRAWN BY:	CJR
REVISIONS:	

SD MSBA SET

C-131

SEE SHEET C-131
MATCHLINE

SEE SHEET C-133
MATCHLINE

PROPOSED NEW 2-STORY
SCHOOL BUILDING
F.F.E.=225.0

8" CLDI WATER PIPE
BIORETENTION AREA #3
THRUST BLOCKS - WATER MAIN (TYP.)
PRECAST CONCRETE DRAIN MANHOLE (TYP.)
CLEANOUT (TYP.)
12" ROOF DRAIN
6" DI SANITARY SEWER
6" PVC GRAVITY SEWER PIPE
AREA DRAIN (TYP.)
8" PVC GRAVITY SEWER PIPE
4" CLDI DOMESTIC & 6" CLDI FIRE PROTECTION SERVICES WITH CAPS FOR FUTURE CONNECTION
12" DRAIN LINE W/ CAP FOR FUTURE CONNECTION
6" CLDI DOMESTIC & 8" CLDI FIRE PROTECTION SERVICES
450 GALLON WATER QUALITY INLET
DI GATE VALVE (TYP.)
8" PVC GRAVITY SEWER PIPE (TYP.)
ELECTRIC UTILITY YARD; SEE ELECTRICAL SITE PLANS
5,000 GALLON GREASE TRAP
8" PVC SANITARY SEWER
1,500 GALLON OIL - WATER SEPARATOR
TRENCH SECTION - CPE DRAIN (TYP.)
6" UNDERDRAIN
6" FOUNDATION DRAIN (TYP.)
4" DI KITCHEN WASTE
TRENCH DRAIN
CONNECT UNDERGROUND FIBER COMMUNICATIONS CONDUIT TO EXISTING AT NEW HANDHOLE
PLANTER DRAIN (TYP.)
ELECTRIC AND COMMUNICATIONS SERVICES (TYP.); SEE ELECTRICAL SITE PLANS
TRENCH SECTION - GRAVITY SEWER PIPE (TYP.)
CONNECT 24" CPE DRAIN PIPE TO EXISTING CONCRETE ENDWALL STRUCTURE
PRECAST CONCRETE CATCH BASIN (TYP.)
4' Ø PRECAST WATER QUALITY UNIT
6" PVC GRAVITY SANITARY SEWER
HYDRANT (TYP.)
TRENCH SECTION - WATER PIPE (TYP.)

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
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CONSULTANTS:

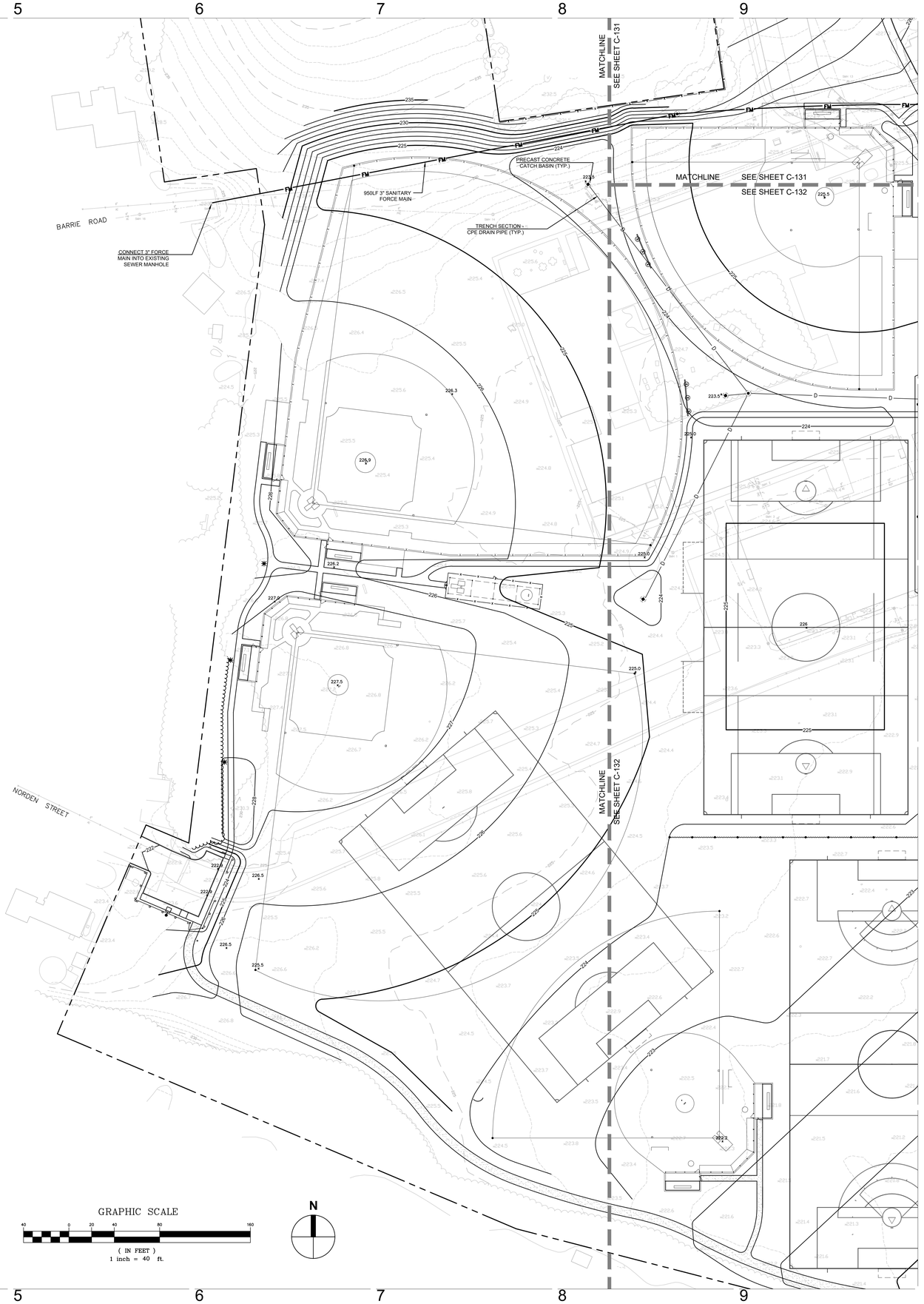
GRADING & UTILITIES PLAN II

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	1" = 40'
DRAWN BY:	CJR
REVISIONS:	

SD MSBA SET

C-132



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CONSULTANTS:

GRADING & UTILITIES PLAN III

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	1" = 40'
DRAWN BY:	CJR
REVISIONS:	

SD MSBA
SET

C-133

GENERAL PLANTING NOTES:

1. REFER TO SPEC FOR FULL PLANTING NOTES.
2. ALL NEW PLANT MATERIAL SHALL CONFORM TO THE MINIMUM GUIDELINES ESTABLISHED FOR NURSERY STOCK PUBLISHED BY THE AMERICAN ASSOC. OF NURSERYMEN, INC. IN ADDITION, NEW PLANT MATERIAL FOR THE PROJECT SHALL BE OF SPECIMEN QUALITY.
3. NEW PLANTS TO BE BALLED AND BURLAPPED OR CONTAINER-GROWN, UNLESS OTHERWISE NOTED ON THE PLANT LIST.
4. THE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIAL IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING SHOWN ON THE DRAWINGS OR PLANT SCHEDULE, WHICHEVER IS GREATER.
5. ANY PROPOSED SUBSTITUTIONS OF PLANT SPECIES SHALL BE MADE WITH PLANTS OF EQUIVALENT OVERALL FORM, HEIGHT, BRANCHING HABIT, FLOWER, LEAF, COLOR, FRUIT AND CULTURE, AND ONLY AFTER WRITTEN APPROVAL FROM THE ARCHITECT.
6. ALL NEW PLANTS SHALL BE TAGGED AND APPROVED BY THE ARCHITECT AT THE NURSERY PRIOR TO DIGGING OR DELIVERY TO THE SITE.
7. THE CONTRACTOR SHALL LOCATE AND VERIFY EXISTING UTILITY LINES PRIOR TO PLANTING AND REPORT CONFLICTS TO THE ARCHITECT.
8. NO TREES, SHRUBS, GROUNDCOVER, SEED, OR SOD SHALL BE PLANTED BEFORE ACCEPTANCE OF ROUGH GRADING. TREES SHALL BEAR THE SAME RELATIONSHIP TO GRADE AS THEY BORE TO PREVIOUS GRADE.
9. STAKE LOCATION OF ALL TREE AND SHRUB PLANTING FOR APPROVAL BY THE ARCHITECT PRIOR TO THE COMMENCEMENT OF PLANTING.
10. PREPARE ALL SHRUB PLANTING BEDS TO A MINIMUM DEPTH OF EIGHTEEN INCHES (18") WITH LOAM.
11. ALL PLANT BEDS AND INDIVIDUAL TREE PITS SHALL RECEIVE THREE INCHES (3") OF BARK MULCH.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ALL DAMAGED, STOLEN, DEAD, DECLINING OR LOST MATERIAL UNTIL COMPLETION OF MAINTENANCE PERIODS OR GUARANTEE PERIODS.
13. AREAS TO BE SEEDED OR SODDED SHALL RECEIVE EIGHT INCHES (8") OF LOAM, MEASURED AFTER COMPACTION, PRIOR TO SEEDING.
14. SPECIFIC EXISTING LAWN AREAS DESIGNATED TO REMAIN SHALL BE AERATED, FERTILIZED AND OVERSEEDED.
15. IN ADDITION TO LOCATIONS DEFINED FOR SEED ON THE PLANTING PLAN, ALSO SEED GRASS AREAS WHICH HAVE BEEN DISTURBED BY THE CONSTRUCTION.

BIORETENTION PLANTING NOTES:

1. BIORETENTION BASINS TO BE SEEDED WITH "NEW ENGLAND WETMIX" AS MANUFACTURED BY NEW ENGLAND WETLAND PLANTS, INC., AMHERST, MA OR APPROVED EQUAL. SEED BED PREPARATION AND APPLICATION RATES PER MANUFACTURER'S RECOMMENDATIONS.

LEGEND

SYMBOL	TYPE	SIZE	QUANTITY
	LARGE DECIDUOUS TREE	3" - 3.5" CAL - B&B	155
	MULTI-STEM TREE	10' - 12' HT - B&B	55
	COLUMNAR TREE	2.5" - 3" CAL. - B&B	63
	SMALL / FLOWERING TREE	2.5" - 3" CAL. - B&B	60
	EVERGREEN TREE	8' - 10' HT - B&B	88
	UNDERSTORY PLANTING	3 GAL - CONT	9,000 EA
	BIORETENTION AREA PLANTING	(SEE BIORETENTION PLANTING NOTES)	20,000± SF
	ATHLETIC FIELD CROSS SECTION AND SEED MIX		650,000± SF
	LOAM AND SEED LAWN AREAS		380,000± SF

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

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CONSULTANTS:

PLANTING PLAN I

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	1" = 40'
DRAWN BY:	ECV
REVISIONS:	

SD MSBA SET

C-151

SEE SHEET C-151
MATCHLINE

FUTURE
POOL
BUILDING

(TYP.)
BIORETENTION
AREA
PLANTING

(TYP.)
UNDERSTORY
PLANTING

(TYP.) COLUMNAR
TREE PLANTING

(TYP.) MULTI-STEM
TREE PLANTING

PROPOSED
SCHOOL BUILDING

(TYP.) LOAM AND SEED
NEW AND DISTURBED
LAWN AREAS

LABEL FUTURE
BUILDING EXPANSION
(SHOWN DASHED)

(TYP.) SMALL / FLOWERING
TREE PLANTING

(TYP.) DECIDUOUS
TREE PLANTING

(TYP.) LOAM AND SEED
REINFORCED TURF
SURFACING

(TYP.) EVERGREEN
TREE PLANTING

(TYP.) ATHLETIC FIELD
CROSS SECTION AND
SEED MIX

SEE SHEET C-153
MATCHLINE

NOTE:

1. REFER TO SHEET C-151 FOR GENERAL PLANTING NOTES, BIORETENTION PLANTING NOTES, AND LEGEND.

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

N

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CONSULTANTS:

PLANTING PLAN II

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	1" = 40'
DRAWN BY:	ECV
REVISIONS:	

SD MSBA
SET

C-152

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PLANTING PLAN III

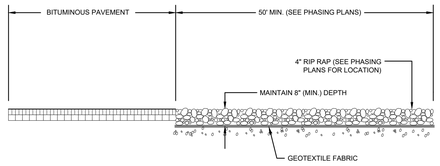
EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	1" = 40'
DRAWN BY:	ECV
REVISIONS:	

SD MSBA SET

C-153

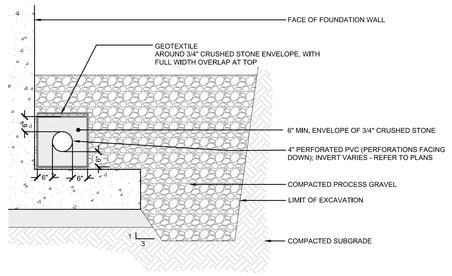
NOTE:



SECTION

A1 TEMPORARY CONSTRUCTION ENTRANCE
N.T.S.

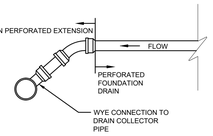
NOTE:



SECTION

A3 FOUNDATION DRAIN
N.T.S.

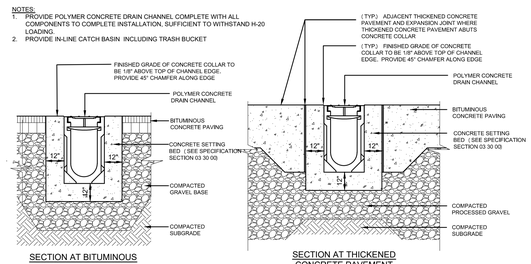
NOTE:

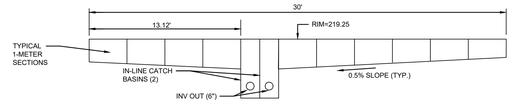


SECTION

A5 FOUNDATION DRAIN WYE CONNECTION
N.T.S.

NOTES:
1. PROVIDE POLYMER CONCRETE DRAIN CHANNEL COMPLETE WITH ALL COMPONENTS TO COMPLETE INSTALLATION, SUFFICIENT TO WITHSTAND H-20 LOADING.
2. PROVIDE IN-LINE CATCH BASIN INCLUDING TRASH BUCKET

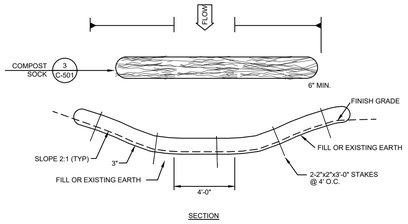




SCHEMATIC ELEVATION

A7 CAST-IN-PLACE TRENCH DRAIN
N.T.S.

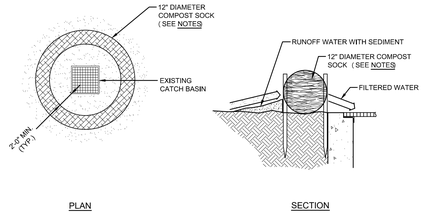
NOTE:



SECTION

C1 TEMPORARY DRAINAGE SWALE WITH COMPOST SOCK EROSION CHECK DAM
N.T.S.

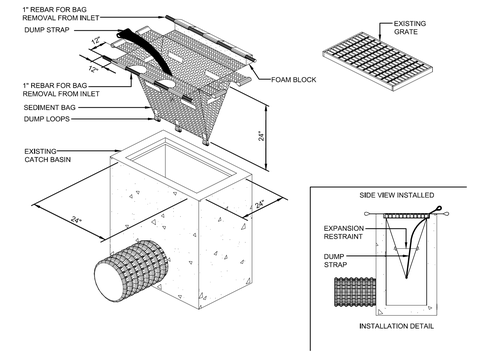
NOTES:
1. STAKE BIODEGRADABLE COMPOST WATTLE ON ALTERNATING SIDES AT 4' O.C. MAX.



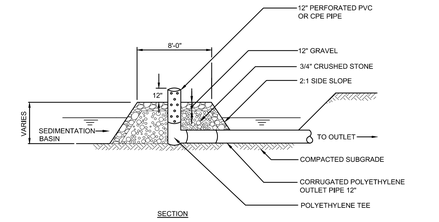
PLAN SECTION

C3 CATCH BASIN FILTER
N.T.S.

NOTES:
1. SEE PLAN FOR LOCATION(S).
2. INSTALL ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
3. INSTALL REBAR PRIOR TO GRATE REMOVAL.
4. USE FOAM BLOCK ONLY WHEN ADJACENT TO CURB INLET.

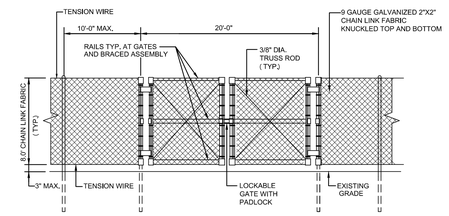


C5 SEDIMENT BAG AT CATCH BASIN
N.T.S.



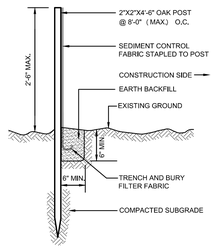
SECTION

C7 TEMPORARY SEDIMENTATION BASIN OUTLET DEVICE
N.T.S.



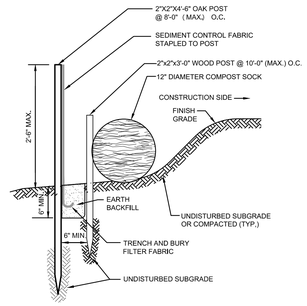
E1 TEMPORARY CONSTRUCTION FENCE W/GATE
N.T.S.

NOTES:
1. SEE PLAN FOR LOCATION(S).
2. INSTALL ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.



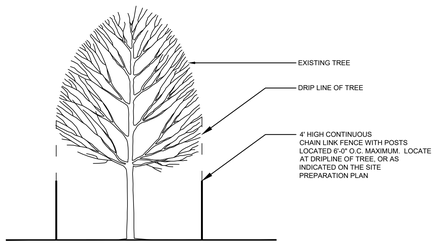
E3 SILT FENCE
N.T.S.

NOTES:
1. SEE PLAN FOR LOCATION(S).
2. INSTALL ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.



E5 COMPOST SOCK WITH SILT FENCE
N.T.S.

NOTE:



ELEVATION

E7 TREE PROTECTION DETAIL
N.T.S.

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CONSULTANTS:

DETAILS I

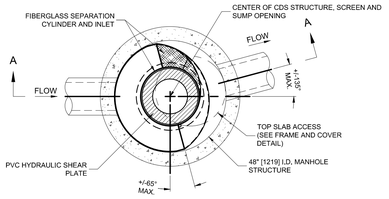
EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	N.T.S.
DRAWN BY:	CJR
REVISIONS:	

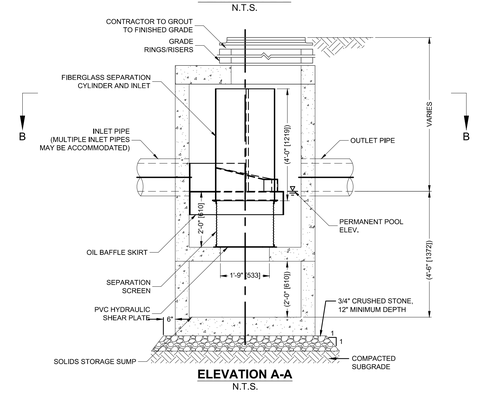
SD MSBA SET

C-501

NOTES:
1. SEE SPECIFICATION SECTION 33 41 00 - STORM UTILITY DRAINAGE PIPING.
2. BASIS OF DESIGN PRODUCT SHOWN HERE IS CONTECH CDS 2015-4 MODEL



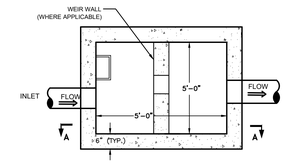
PLAN VIEW B-B
N.T.S.



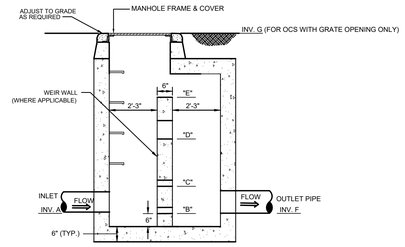
ELEVATION A-A
N.T.S.

A1 4' DIAM. WATER QUALITY UNIT STRUCTURE
N.T.S.

NOTES:
1. STRUCTURE ADEQUATE FOR H-20 LOADING.
2. SEE GRADING AND UTILITY PLAN FOR PIPE SIZES.



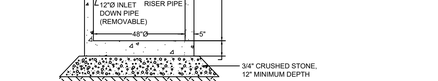
PLAN VIEW



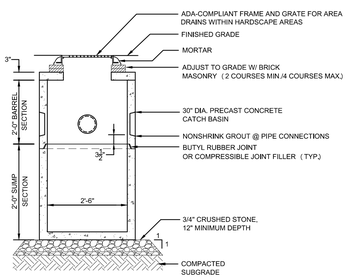
SECTION A-A

A3 OUTLET CONTROL STRUCTURE

NOTES:
1. SEE SPECIFICATION SECTION 33 41 00 - STORM UTILITY DRAINAGE PIPING.
2. STRUCTURE ADEQUATE FOR H-20 LOADING.
3. GRATES TO BE ADA COMPLIANT WITHIN HARDSCAPE AREAS
4. PROVIDE 15" DIAMETER CAST IRON BEEHIVE SHAPE GRATE FOR STRUCTURES DESIGNATED AS PLANTER DRAINS IN PLANTED AREAS.



BEEHIVE GRATE IN PLANTER AREA

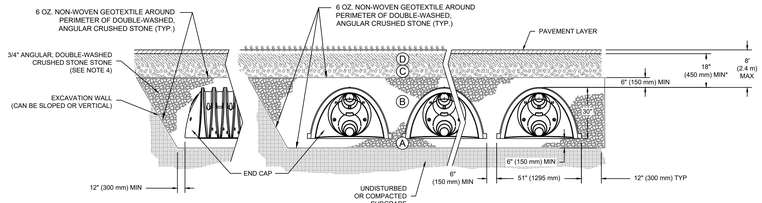


C3 AREA DRAIN / PLANTER DRAIN
N.T.S.

ACCEPTABLE FILL MATERIALS: PREMOLDED POLYPROPYLENE CHAMBER SYSTEMS

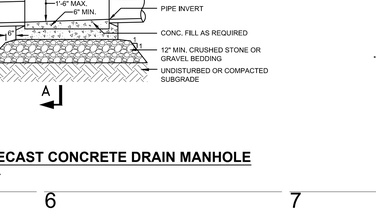
MATERIAL LOCATION		DESCRIPTION	COMPACTION / DENSITY REQUIREMENT
D	**FINAL FILL:** FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER	REFER TO SPECIFICATION 31 20 00 FOR APPLICABLE MATERIALS	REFER TO SPECIFICATION 31 20 FOR COMPACTION REQUIREMENTS BASED ON LOCATION AND DEPTHS
C	**INITIAL FILL:** FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 18" (450 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	REFER TO SPECIFICATION 31 20 00 FOR APPLICABLE MATERIALS	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	**EMBEDMENT STONE:** FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	3/4" CRUSH STONE - MassDOT M2.01.04 (DOUBLE WASHED)	NO COMPACTION REQUIRED.
A	**FOUNDATION STONE:** FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	3/4" CRUSH STONE - MassDOT M2.01.04 (DOUBLE WASHED)	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. [1]

NOTE:
1. COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.



NOTES:
1. CHAMBERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F2418 "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS", OR ASTM F2922 "STANDARD SPECIFICATION FOR POLYETHYLENE (PE) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
2. CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. "ACCEPTABLE FILL MATERIALS" TABLE ABOVE PROVIDES MATERIAL LOCATIONS, DESCRIPTIONS, AND COMPACTION REQUIREMENTS FOR FOUNDATION, EMBEDMENT, AND FILL MATERIALS. REFER TO SPECIFICATION 31 20 00 "EARTH MOVING" FOR ADDITIONAL INFORMATION.
4. CRUSHED STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS. CRUSHED STONE IS TO BE PLACED IN 12" LIFTS AND COMPACTED WITH PLATE COMPACTOR OR VIBRATORY TRENCH ROLLER.

A5 INFILTRATION SYSTEM - PREMOLD CHAMBERS (30" HIGH)
N.T.S.



NOTE: SEE APPLICABLE HARDSCAPE DETAIL FOR THICKNESS OF HARDSCAPE MATERIAL AND GRAVEL BASE COURSE.

C5 TRENCH SECTION - CPE DRAINS
N.T.S.

C7 CLEANOUT
N.T.S.

NOTE:
1. SEE SPECIFICATION SECTION 33 41 00 - STORM UTILITY DRAINAGE PIPING.
2. STRUCTURE ADEQUATE FOR H-20 LOADING.
3. GRATES TO BE ADA COMPLIANT WITHIN HARDSCAPE AREAS
4. PROVIDE 15" DIAMETER CAST IRON BEEHIVE SHAPE GRATE FOR STRUCTURES DESIGNATED AS PLANTER DRAINS IN PLANTED AREAS.

NOTES: 1. STRUCTURE ADEQUATE FOR H-20 LOADING.
2. PROVIDE SLAB TOP WHERE PIPE COVER < 36".

E1 PRECAST CONCRETE CATCH BASIN
N.T.S.

NOTES:
1. THE USE OF FLEXIBLE CONNECTIONS IS RECOMMENDED AT THE INLET AND OUTLET WHERE APPLICABLE.
2. BASIS OF DESIGN SHOWN HERE IS STC 450i BY STORMCEPTOR.
3. STRUCTURE ADEQUATE FOR H-20 LOADING.
4. THE COVER SHOULD BE POSITIONED OVER THE CLEANOUT/VENT PIPE

SECTION THRU CHAMBER

SECTION THRU PLAN VIEW

E3 450 GALLON WATER QUALITY UNIT
N.T.S.

E5 PRECAST CONCRETE DRAIN MANHOLE
N.T.S.

NOTE: 1. STRUCTURE ADEQUATE FOR H-20 LOADING.

SECTION A

* PROVIDE 5' I.D. OR 6' I.D. SECTIONS AS REQUIRED FOR MULTIPLE/LARGE DIAMETER PIPES.

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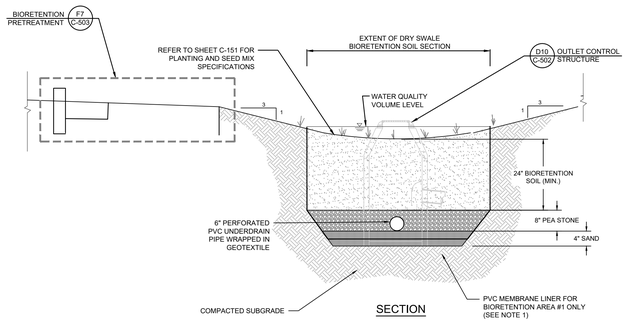
PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	N.T.S.
DRAWN BY:	CJR
REVISIONS:	

SD MSBA SET

C-502

NOTES:

1. DO NOT CONSTRUCT SWALE UNTIL THE CONTRIBUTING DRAINAGE AREA IS PERMANENTLY STABILIZED.
2. DO NOT COVER COMPACTED SUBGRADE OR BIORETENTION PLANTING SOIL DURING CONSTRUCTION.
3. PLANTING: REFER TO PLANTING PLANS AND PLANT SCHEDULE.



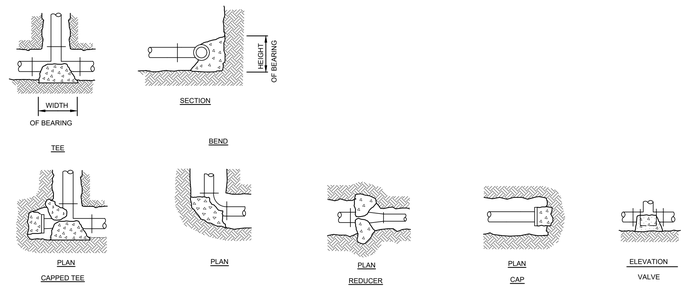
SECTION

A1 BIORETENTION AREA SECTION
N.T.S.

NOTES:

1. THRUST BLOCK INSTALLATION, INCLUDING EXCAVATION AND BACKFILL, TO BE BY DIVISION 33 (SITE CONTRACTOR).
2. WIDTH & HEIGHT OF BEARING AREAS SHALL BE APPROX. THE SAME.
3. BEARING SHALL BE ON UNDISTURBED SOIL.

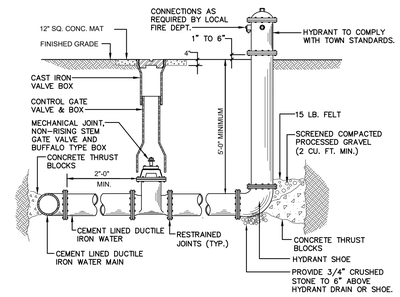
MINIMUM BEARING AREA (SQUARE FEET)							
FITTINGS PIPE SZ.	BENDS				CAPS & TEES	VALVES	REDUC.
	90 °	45 °	22-1/2"	11-1/4"			
4"-6"	4	2	2	2	3	3	3
8"	6	3	3	3	5	5	5



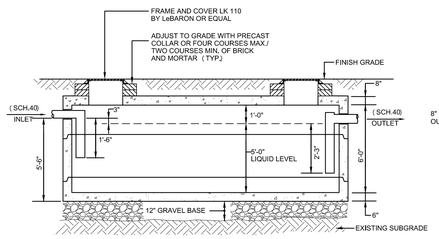
A3 THRUST BLOCKS - WATER AND FORCE MAINS
N.T.S.

NOTES:

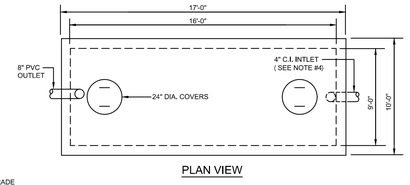
1. FIRE HYDRANT, MAIN AND APPURTENANCES, INCLUDING EXCAVATION AND BACKFILL, BY SITE CONTRACTOR PER DIVISION 33.
2. EXTEND RISER SECTION AS REQUIRED TO ESTABLISH PROPER HYDRANT ELEVATION.
3. SEE THRUST BLOCK DETAIL FOR CONCRETE THRUST BLOCK REQUIREMENTS.



A7 HYDRANT
N.T.S.



CROSS SECTION VIEW

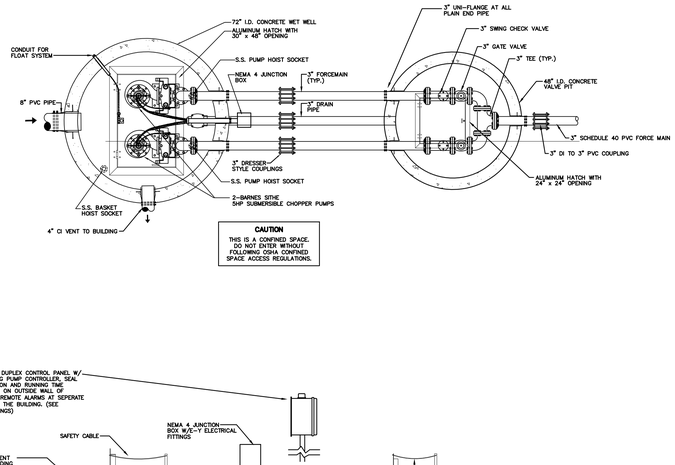


PLAN VIEW

NOTES:

1. CONCRETE: 5000 PSI @ 28 DAYS
2. STRUCTURE ADEQUATE FOR H-20 LOADING
3. NEOPRENE SEAL TO CONFORM TO ASTMC-433
4. PROVIDE ADDITIONAL 4" C.I. INLET IF ALTERNATE #1 IS TAKEN

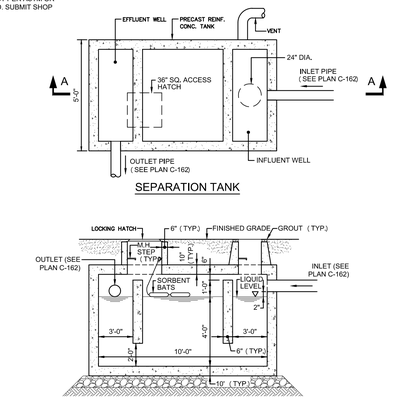
C1 5000 GALLON GREASE TRAP
N.T.S.



E4 PUMP CHAMBER WITH VALVE PIT
N.T.S.

NOTES:

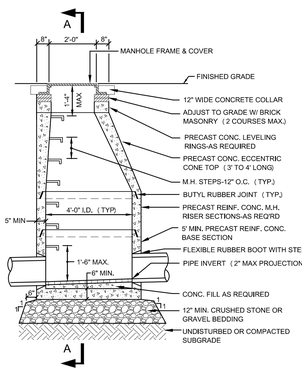
1. CONCRETE TO BE PRECAST PER ASTM OR CAST-IN-PLACE, H-20 LOAD. SUBMIT SHOP DRAWINGS.



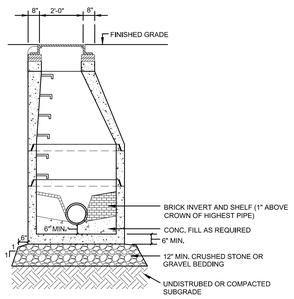
SEPARATION TANK

SECTION A-A

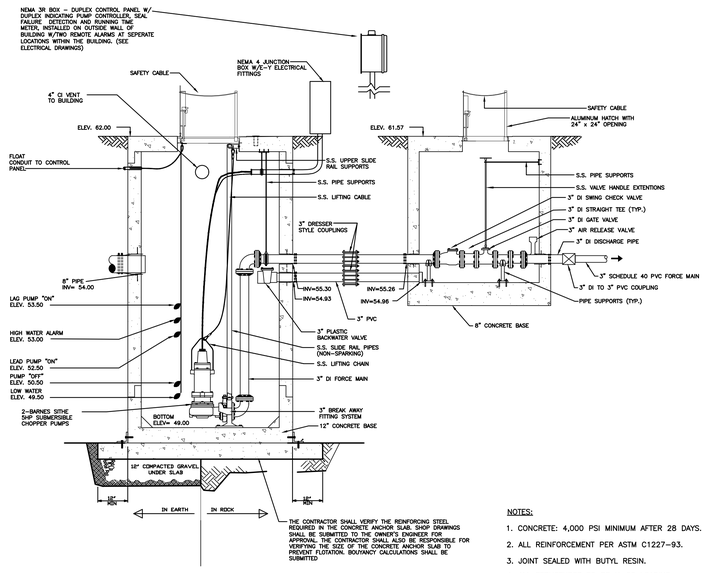
C7 1,500 GALLON OIL-WATER SEPARATOR
N.T.S.



E1 STANDARD SEWER MANHOLE
N.T.S.



SECTION A



SEE PLAN

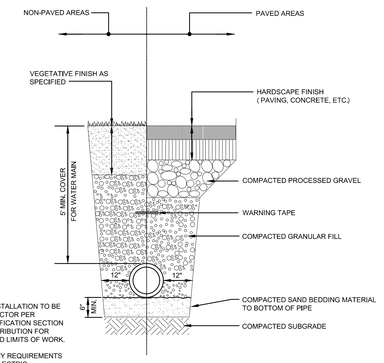
NOTES:

1. CONCRETE: 4,000 PSI MINIMUM AFTER 28 DAYS.
2. ALL REINFORCEMENT PER ASTM C1227–93.
3. JOINT SEALED WITH BUTYL RESIN.
4. ALL STRUCTURES TO BE H–20 LOADING.
5. BRING FRAME AND COVER AND ALUMINUM HATCH TO FINISH GRADE. HATCH TO BE H–20 LOADING.
6. THE PUMPS SHALL BE EQUIPPED WITH AN AUDIBLE AND VISUAL ALARM, POWERED BY A CIRCUIT SEPARATE FROM THE POWER SUPPLY.
7. TWO REMOTE ALARMS ARE TO BE INSTALLED IN TWO SEPARATE LOCATIONS WITHIN THE THE HMLP HEADQUARTERS.
8. THE PUMP AND ITS CONTROLS SHALL BE INSTALLED ACCORDING TO MANUFACTURES SPECIFICATIONS AND IN COMPLIANCE WITH ALL STATE AND LOCAL REGULATIONS.

E4 PUMP CHAMBER WITH VALVE PIT
N.T.S.

NOTES:

1. FIRE PROTECTION MAIN INSTALLATION TO BE PERFORMED BY SITE CONTRACTOR PER DIVISION 33. REFER TO SPECIFICATION SECTION 33 11 00 FACILITY WATER DISTRIBUTION FOR ADDITIONAL INFORMATION AND LIMITS OF WORK.
2. REFER TO UTILITY COMPANY REQUIREMENTS FOR MINIMUM COVER OVER ELECTRIC, TELECOMMUNICATIONS, AND GAS SERVICES
3. SEE APPLICABLE HARDSCAPE DETAIL FOR THICKNESS OF HARDSCAPE MATERIAL AND BASE COURSE.



E7 TRENCH SECTION - SEWER/WATER/ELEC/TELECOM/GAS
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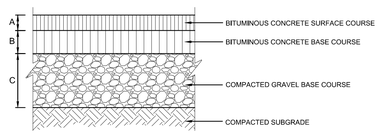
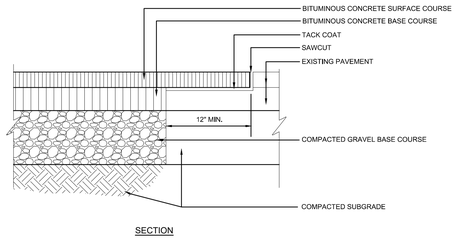
C-503

	SURFACE COURSE "A"	BASE COURSE "B"	GRAVEL BASE "C"
STANDARD DUTY	1½"	2½"	12"
HEAVY DUTY	1½"	3"	18"
WALKWAY	1½"	1½"	8"



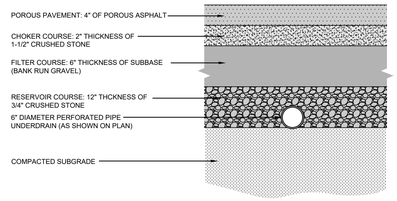
SECTION

C1 BITUMINOUS CONCRETE PAVEMENT
N.T.S.



SECTION

C3 BITUMINOUS CONCRETE AT EXISTING PAVEMENT
N.T.S.

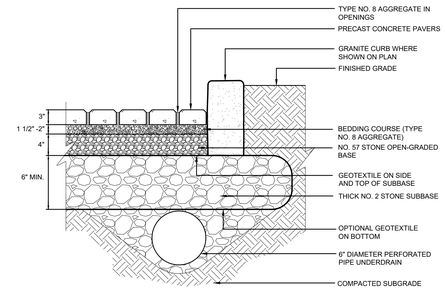


SECTION

C5 POROUS PAVEMENT
N.T.S.

NOTES:

1. PROVIDE PERMEABLE PAVER EDGE WHERE PAVERS ABUT LANDSCAPE.



SECTION

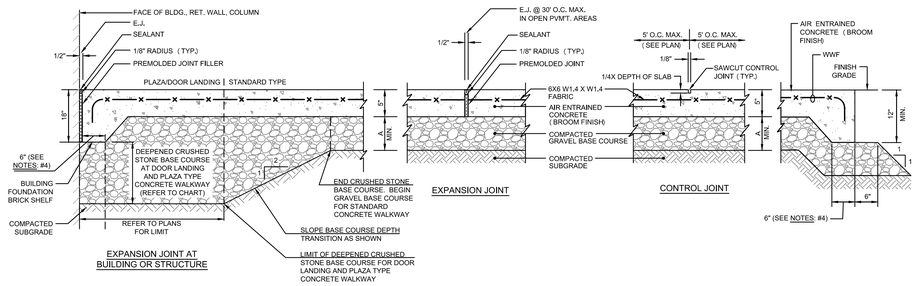
C7 PERMEABLE PAVERS
N.T.S.

NOTES:

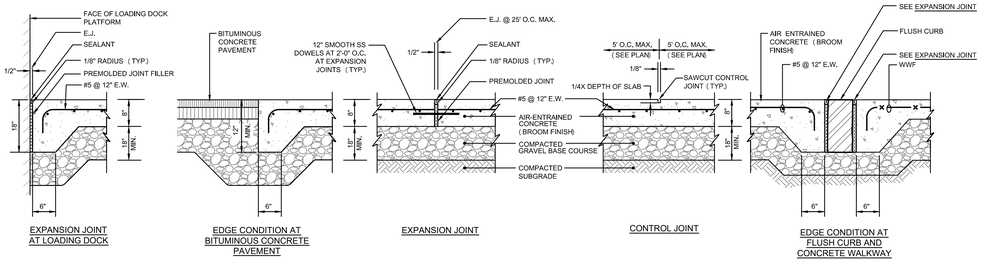
1. PROVIDE EXPANSION JOINT AT FACE OF ABUTTING SLABS AND STRUCTURES.
2. PROVIDE CURBING PER SHEETS C-121 THROUGH C-123.
3. CONCRETE WALKWAY TO BE STANDARD TYPE UNLESS OTHERWISE NOTED ON PLANS AND DETAILS.
4. INCREASE BOTTOM WIDTH OF HAUNCH TO 8" AT ACCESSIBLE RAMPS.

CONCRETE WALKWAY TYPE	BASE COURSE MATERIAL	THICKNESS (A)
STANDARD	GRAVEL BASE COURSE	12"
DOOR LANDING (6' FROM BUILDING)	3/4" CRUSHED STONE	30"
PLAZA (WITHIN 20' FROM BUILDING*)	3/4" CRUSHED STONE	30"

* UNLESS OTHERWISE NOTED ON PLANS



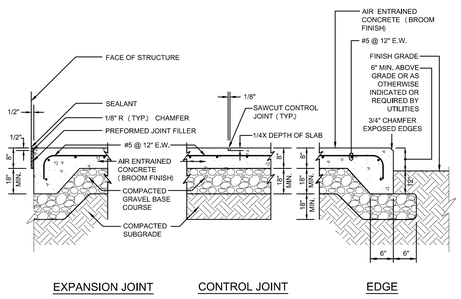
E1 CONCRETE WALKWAY
N.T.S.



E5 THICKENED CONCRETE PAVEMENT AT LOADING DOCK
N.T.S.

NOTES:

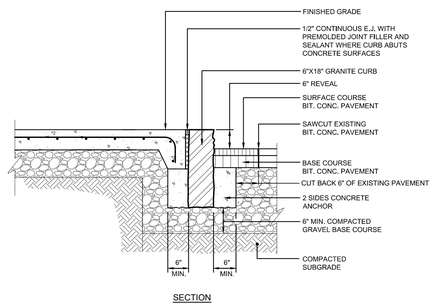
1. PROVIDE SCORE JOINT ONLY AS INDICATED ON PLAN.
2. COORDINATE EXACT PAD DIMENSIONS AND CONDUIT PENETRATIONS WITH THE APPROVED EQUIPMENT AND THE ARCHITECT PRIOR TO INSTALLATION.



G1 EQUIPMENT PAD
N.T.S.

NOTES:

1. WHEN VERTICAL GRANITE CURB IS TO BE INSTALLED ADJACENT TO EXISTING PAVEMENT, CONTRACTOR SHALL SAWCUT THE EXISTING PAVEMENT AS SHOWN.
2. IF EXISTING PAVEMENT COURSES ARE THICKER THAN PROPOSED PAVEMENT COURSES, THE THICKNESS OF THE PROPOSED PAVEMENT COURSES SHALL AT A MINIMUM MATCH THE EXISTING PAVEMENT COURSES.

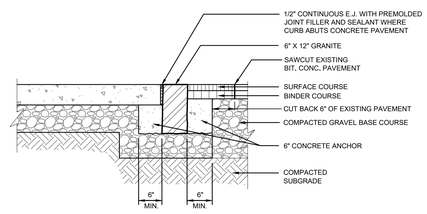


SECTION

G3 VERTICAL GRANITE CURB
N.T.S.

NOTES:

1. WHEN FLUSH GRANITE CURB IS TO BE INSTALLED ADJACENT TO EXISTING PAVEMENT, CONTRACTOR SHALL SAWCUT THE EXISTING PAVEMENT AS SHOWN.
2. IF EXISTING PAVEMENT COURSES ARE THICKER THAN PROPOSED PAVEMENT COURSES, THE THICKNESS OF THE PROPOSED PAVEMENT COURSES SHALL AT A MINIMUM MATCH THE EXISTING PAVEMENT COURSES.

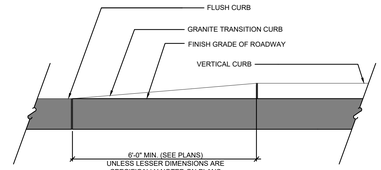


SECTION

G5 FLUSH GRANITE CURB
N.T.S.

NOTES:

1. WHEN GRANITE TRANSITION CURB IS TO BE INSTALLED ADJACENT TO EXISTING PAVEMENT, CONTRACTOR SHALL SAWCUT THE EXISTING PAVEMENT.
2. IF EXISTING PAVEMENT COURSES ARE THICKER THAN PROPOSED PAVEMENT COURSES, THE THICKNESS OF THE PROPOSED PAVEMENT COURSES SHALL AT A MINIMUM MATCH THE EXISTING PAVEMENT COURSES.



ELEVATION

G7 GRANITE TRANSITION CURB
N.T.S.

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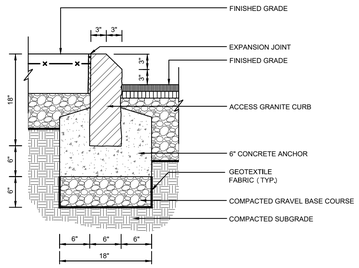
PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	N.T.S.
DRAWN BY:	ECV
REVISIONS:	

SD MSBA SET

C-504

NOTES:

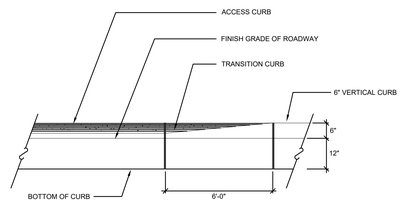
1. WHEN ACCESS GRANITE CURB IS TO BE INSTALLED ADJACENT TO EXISTING PAVEMENT, CONTRACTOR SHALL SAWCUT THE EXISTING PAVEMENT.
2. PROVIDE 6" TRANSITION FROM CHAMFERED EDGE OF ACCESS CURB TO SQUARE EDGE OF ADJACENT CURB.



SECTION

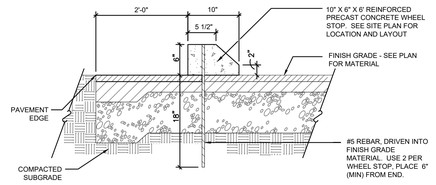
A1 ACCESS GRANITE CURB
N.T.S.

PLAN



ELEVATION

C3 GRANITE TRANSITION CURB AT ACCESS GRANITE CURB
N.T.S.

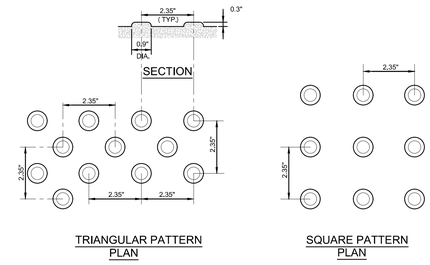


SECTION

C5 PRECAST CONCRETE PARKING BUMPER
N.T.S.

NOTES:

1. DETECTABLE WARNING SURFACES TO EXTEND FULL WIDTH OF CURB RAMP.
2. DETECTABLE WARNING SURFACES TO BE INSTALLED AT ALL ACCESSIBLE CURB CUTS AND ACCESSIBLE CURB CUT RAMPS.



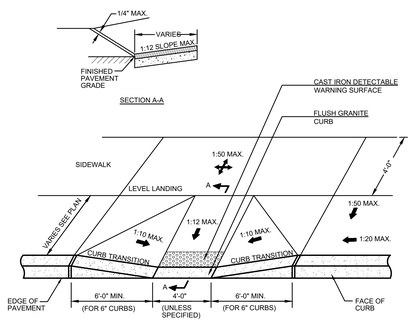
TRIANGULAR PATTERN PLAN

SQUARE PATTERN PLAN

C7 CAST IRON DETECTABLE WARNING SURFACE
N.T.S.

NOTES:

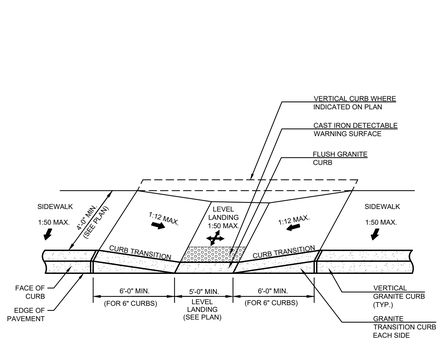
1. ALL CURB CUT RAMPS AND LEVEL LANDINGS ARE TO BE CONSTRUCTED OUT OF PORTLAND CEMENT CONCRETE UNLESS OTHERWISE NOTED ON PLANS..



E1 ACCESSIBLE CURB CUT (TYPE 1)
N.T.S.

NOTES:

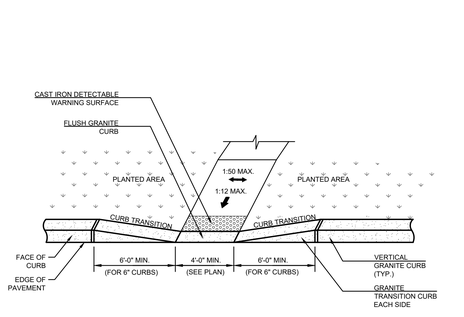
1. ALL CURB CUT RAMPS AND LEVEL LANDINGS ARE TO BE CONSTRUCTED OUT OF PORTLAND CEMENT CONCRETE UNLESS OTHERWISE NOTED ON PLANS.
2. WHERE CURB CUTS ARE LOCATED ALONG THE RADIUS OF A CURVE, THE DIMENSIONS INDICATED HEREON ARE TO BE CONSIDERED MINIMUM DIMENSIONS.



E3 ACCESSIBLE CURB CUT (TYPE 2)
N.T.S.

NOTES:

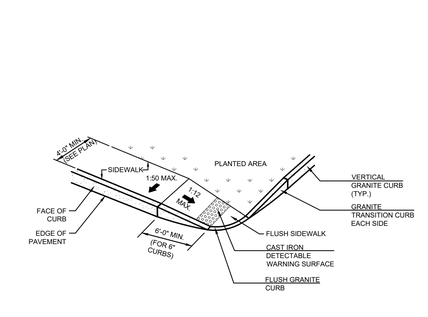
1. ALL CURB CUT RAMPS AND LEVEL LANDINGS ARE TO BE CONSTRUCTED OUT OF PORTLAND CEMENT CONCRETE UNLESS OTHERWISE NOTED ON PLANS.



E5 ACCESSIBLE CURB CUT (TYPE 3)
N.T.S.

NOTES:

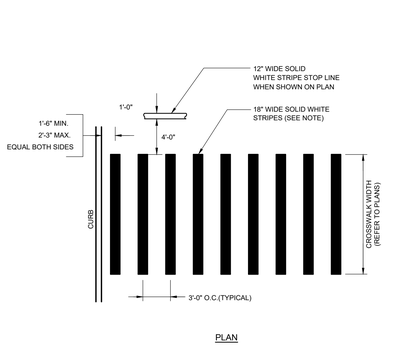
1. ALL CURB CUT RAMPS AND LEVEL LANDINGS ARE TO BE CONSTRUCTED OUT OF PORTLAND CEMENT CONCRETE UNLESS OTHERWISE NOTED ON PLANS.



E7 ACCESSIBLE CURB CUT (TYPE 4)
N.T.S.

NOTES:

1. CROSSWALKS SHALL MEET ADA AND MAAB REQUIREMENTS FOR ACCESSIBILITY.
2. CROSSWALKS AND TRAFFIC CONTROL MARKINGS LOCATED ON SCHOOL PROPERTY TO BE PAINTED WITH WATER-BASED PAINT.
3. CROSSWALKS AND TRAFFIC CONTROL MARKINGS LOCATED WITHIN PUBLIC RIGHTS-OF-WAY TO BE HIGH VISIBILITY THERMOPLASTIC.

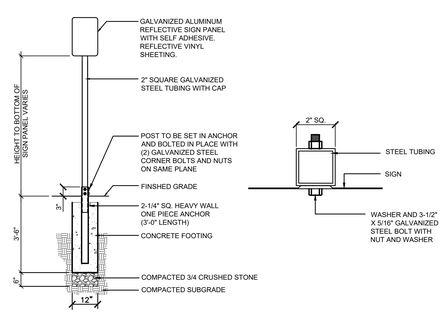


PLAN

G1 CROSSWALK
N.T.S.

NOTES:

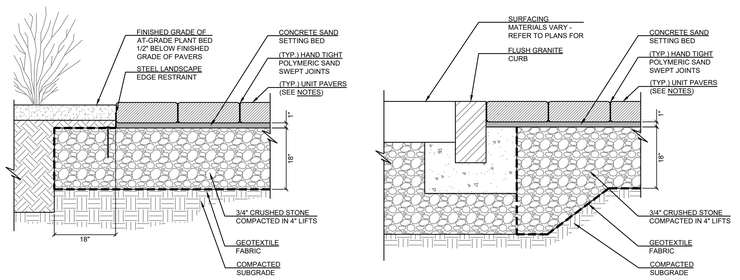
1. SIGN MOUNTING HEIGHTS SHALL CONFORM TO APPLICABLE MUTCD STANDARDS.



G3 TRAFFIC AND PARKING SIGNS
N.T.S.

NOTES:

1. UNIT PAVERS TO BE SET IN MANUFACTURER STANDARD RUNNING BOND PATTERN AS DEPICTED ON PLANS.



SECTION AT PLANT BED (AT-GRADE)

SECTION AT FLUSH GRANITE CURB

G5 UNIT PAVERS
N.T.S.

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DETAILS V

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

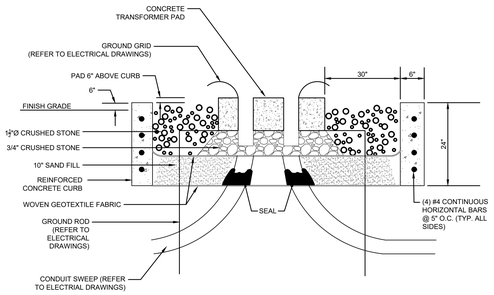
PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	N.T.S.
DRAWN BY:	ECV
REVISIONS:	

SD MSBA SET

C-505

NOTE:

1. COORDINATE EXACT PAD DIMENSIONS AND CONDUIT PENETRATIONS WITH THE APPROVED EQUIPMENT AND THE ARCHITECT PRIOR TO INSTALLATION.

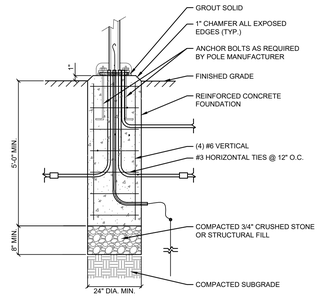


SECTION

C1 OIL CONTAINMENT AT TRANSFORMER PAD
N.T.S.

NOTES:

1. REFER TO ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR SITE LIGHTING POLE AND CCTV CAMERA DETAILS INCLUDING, BUT NOT LIMITED TO, CONDUIT QUANTITY AND SIZES, GROUNDING, AND ANCHOR BOLTS.

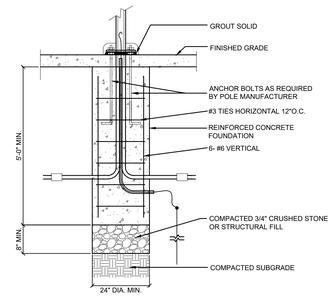


SECTION

C3 LIGHT POLE BASE IN LANDSCAPE
N.T.S.

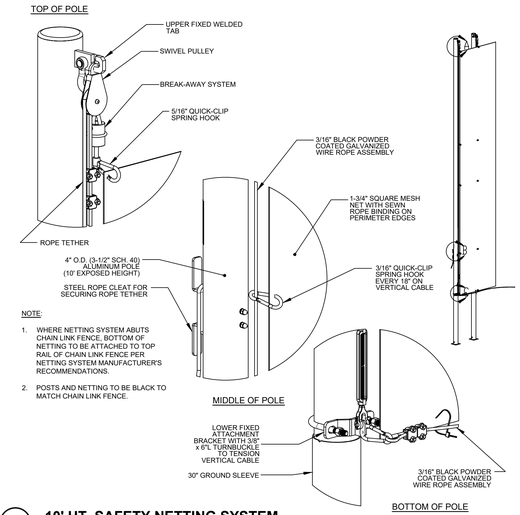
NOTES:

1. REFER TO ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR SITE LIGHTING POLE AND CCTV CAMERA DETAILS INCLUDING, BUT NOT LIMITED TO, CONDUIT QUANTITY AND SIZES, GROUNDING, AND ANCHOR BOLTS.



SECTION

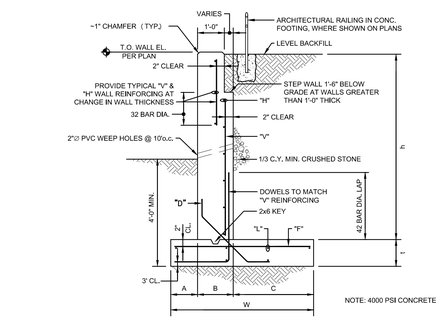
C5 LIGHT POLE BASE IN CONCRETE PAVEMENT
N.T.S.



NOTE:

1. WHERE NETTING SYSTEM ABUTS CHAIN LINK FENCE, BOTTOM OF NETTING TO BE ATTACHED TO TOP RAIL OF CHAIN LINK FENCE PER NETTING SYSTEM MANUFACTURER'S RECOMMENDATIONS.
2. POSTS AND NETTING TO BE BLACK TO MATCH CHAIN LINK FENCE.

C7 10' HT. SAFETY NETTING SYSTEM
N.T.S.

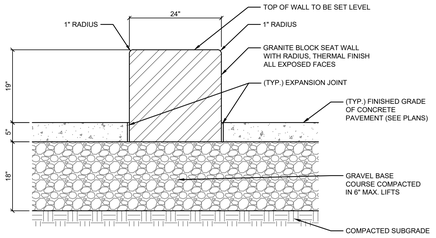


SECTION

DIMENSIONS						REINFORCING				
h	A	B	C	W	t	V	H	F	L	D
7' ≤	10"	1'-0"	3'-0"	4'-10"	1'-0"	#5@9"	#5@10"	#5@12"	6-#5	#4@12"
7' TO 12'	1'-9"	1'-3"	5'-5"	8'-5"	1'-3"	#6@8"	#6@12"	#5@8"	9-#5	#4@8"

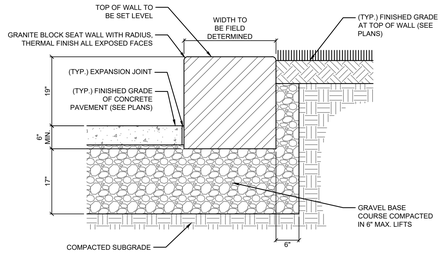
IN-BETWEEN DIMENSIONS MUST ALWAYS BE ROUNDED UP.

E1 CONCRETE RETAINING WALL - TYPE "A"
N.T.S.



SECTION

E3 GRANITE BLOCK FREESTANDING WALL
N.T.S.

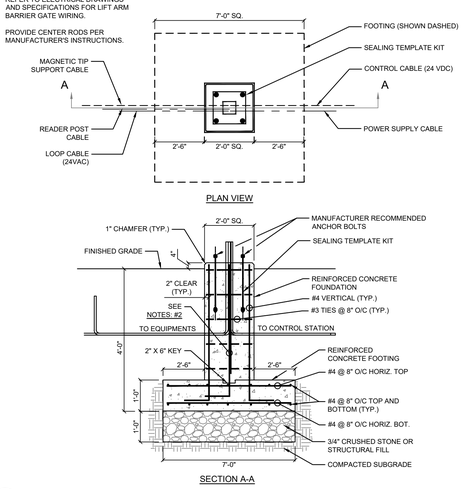


SECTION

E5 GRANITE BLOCK PLANTER WALL
N.T.S.

NOTES:

1. REFER TO ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR LIFT ARM BARRIER GATE WIRING.
2. PROVIDE CENTER RODS PER MANUFACTURER'S INSTRUCTIONS.

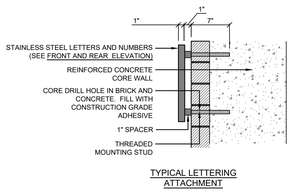


SECTION A-A

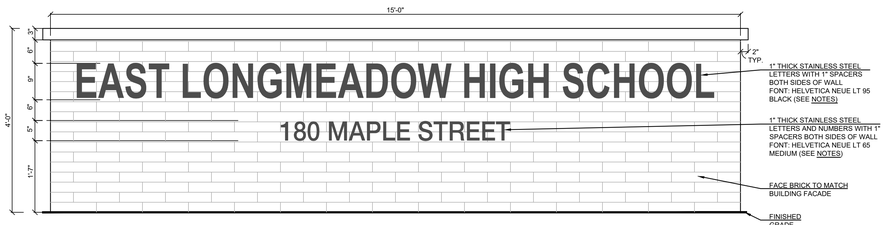
E7 LIFT ARM BARRIER GATE - FOUNDATION
N.T.S.

NOTES:

1. "EAST LONGMEADOW HIGH SCHOOL" AND "180 MAPLE STREET" TEXT TO BE CENTERED HORIZONTALLY WITHIN 15' WALL PANEL. LETTERING TO BE PLACED ON BOTH SIDES OF SIGN WALL.

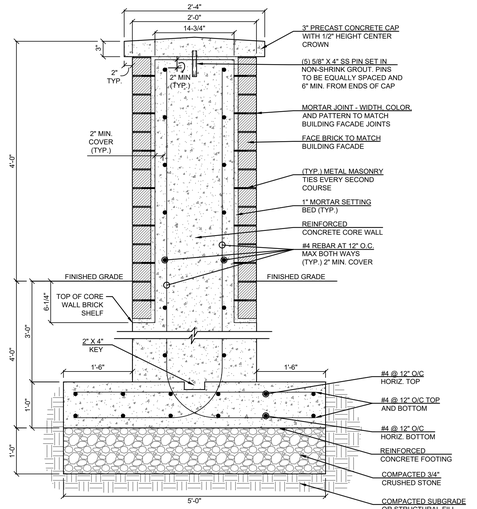


TYPICAL LETTERING ATTACHMENT



FRONT AND REAR ELEVATION

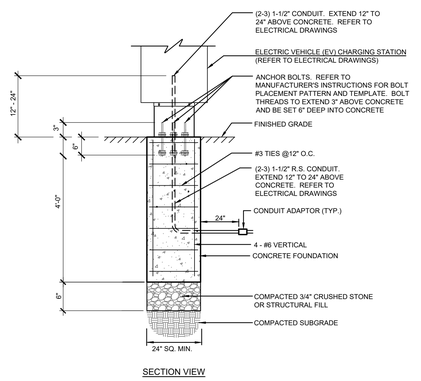
G1 FACE BRICK SCHOOL IDENTIFICATION SIGN WALL
N.T.S.



SECTION

NOTES:

1. FOUNDATION TO BE INSTALLED PER EV CHARGING STATION MANUFACTURER'S INSTRUCTIONS.
2. SEE ELECTRICAL DRAWINGS FOR POWER AND CONTROL TO PEDESTAL MOUNTED CHARGING STATION.



SECTION VIEW

G7 ELECTRIC VEHICLE CHARGING STATION FOUNDATION
N.T.S.

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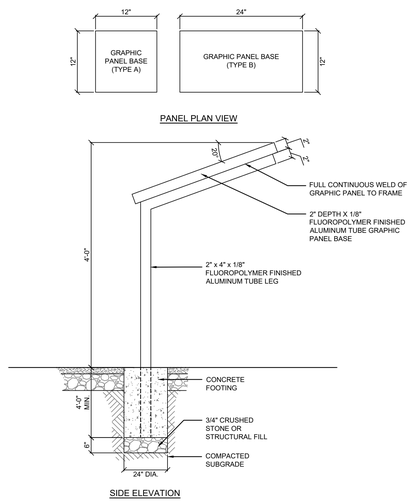
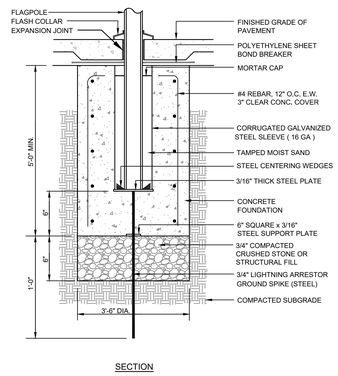
PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	N.T.S.
DRAWN BY:	ECV
REVISIONS:	

SD MSBA SET

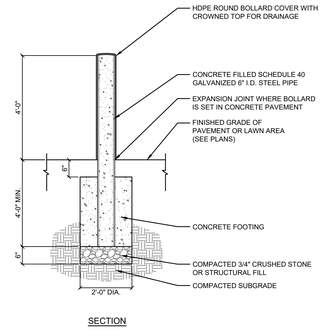
C-506



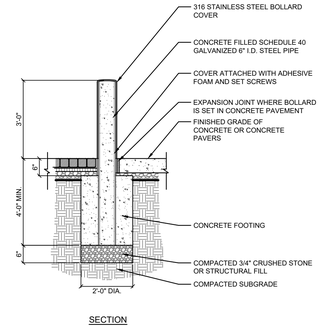
C1 LEED SIGN AND BASE
N.T.S.



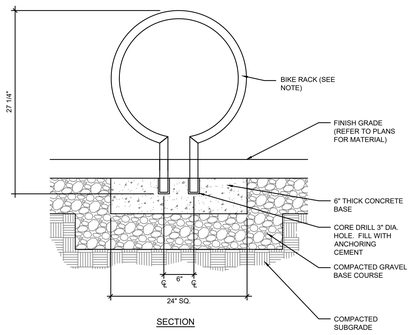
C3 FLAGPOLE FOUNDATION
N.T.S.

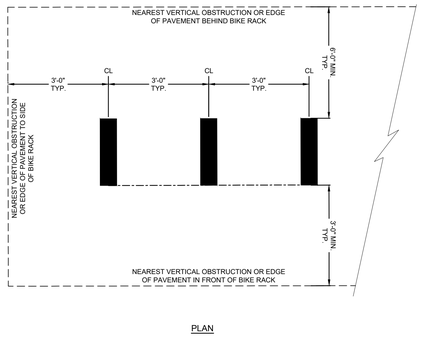


C5 STEEL BOLLARD - TYPE "A"
N.T.S.



C7 STEEL BOLLARD - TYPE "B"
N.T.S.

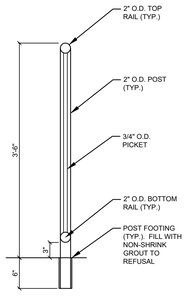


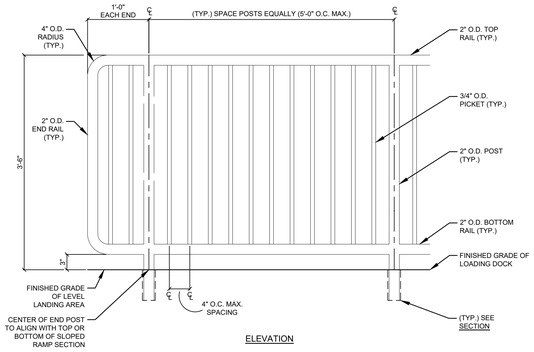


E1 BIKE RACK INSTALLATION
N.T.S.

NOTES:

1. GUARDRAILS TO COMPLY WITH 521 CMR 24.00.
2. ALL COMPONENTS OF GUARDRAILS ARE TO BE SCH. 40 GALVANIZED STEEL.

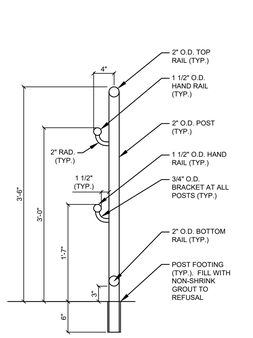


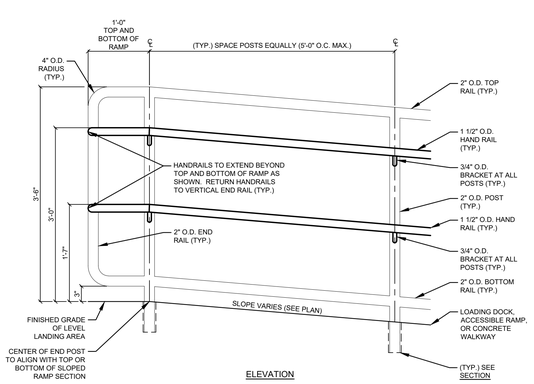


E5 SCH. 40 STEEL GUARDRAIL (NO HANDRAIL)
N.T.S.

NOTES:

1. HANDRAILS TO COMPLY WITH 521 CMR 24.00.
2. ALL COMPONENTS OF HANDRAILS ARE TO BE SCH. 40 GALVANIZED STEEL.

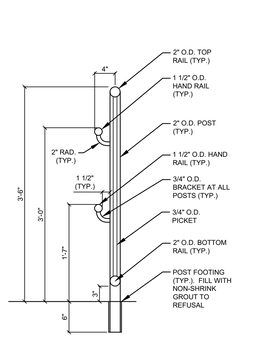


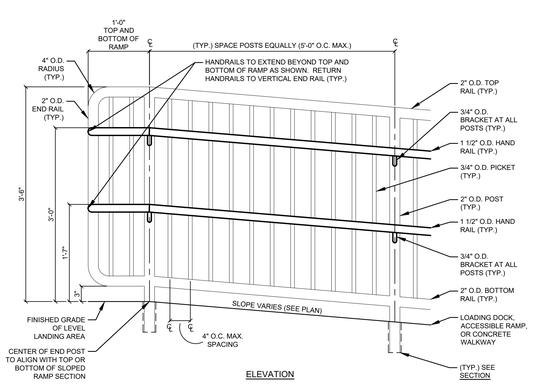


G1 SCH. 40 STEEL HANDRAIL (NO GUARDRAIL) FOR ACCESSIBLE RAMP
N.T.S.

NOTES:

1. HANDRAILS AND GUARDRAILS TO COMPLY WITH 521 CMR 24.00.
2. ALL COMPONENTS OF HANDRAILS AND GUARDRAILS ARE TO BE SCH. 40 GALVANIZED STEEL.

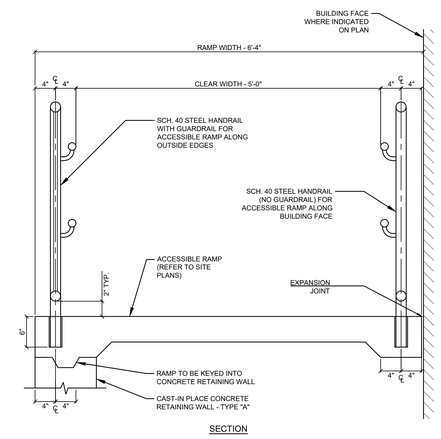




G4 SCH. 40 STEEL HANDRAIL WITH GUARDRAIL FOR ACCESSIBLE RAMP
N.T.S.

NOTES:

1. RAMPS AND HANDRAILS TO COMPLY WITH 521 CMR 24.00.



G7 ACCESSIBLE RAMP AT LOADING DOCK
N.T.S.

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CONSULTANTS:

DETAILS VII

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
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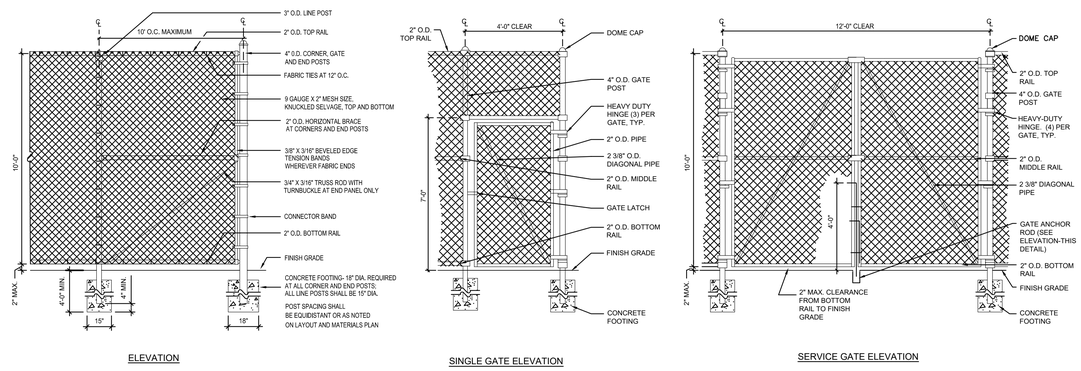
PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	N.T.S.
DRAWN BY:	ECV
REVISIONS:	

SD MSBA SET

C-507

NOTES:

1. SET CENTER OF FENCE POSTS 12" FROM EDGE OF TENNIS COURT PAVEMENT.

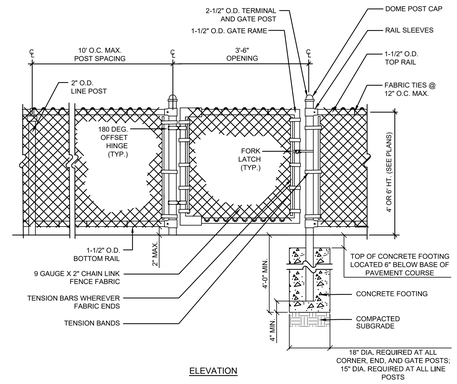


ELEVATION

SINGLE GATE ELEVATION

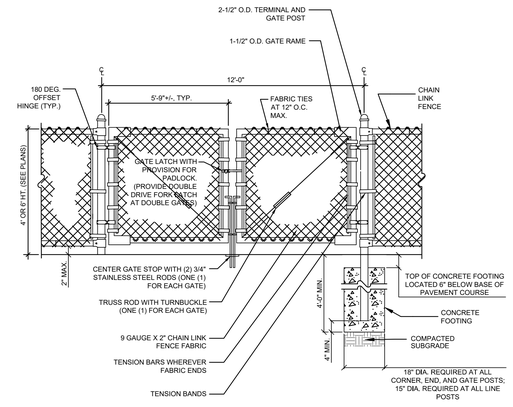
SERVICE GATE ELEVATION

C1 10' HT. CHAIN LINK FENCE
N.T.S.



ELEVATION

C5 CHAIN LINK FENCE WITH SINGLE GATE
N.T.S.

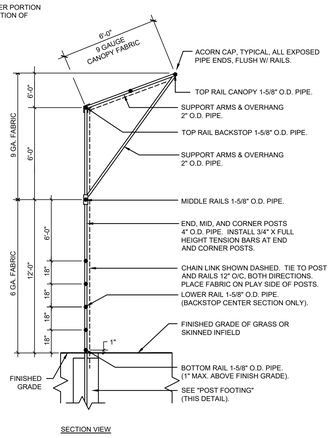


ELEVATION

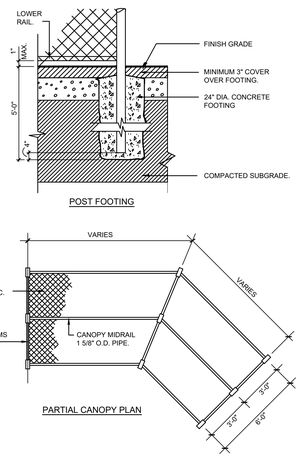
C7 CHAIN LINK DOUBLE GATE
N.T.S.

NOTE:

1. PROVIDE OVERLAP AT CANOPY AND BOTTOM OF FABRIC TO COMPLETELY SECURE TO POSTS AND RAILS ALL FABRIC; 2" MESH, KNUCKLE SELVAGE BOTH ENDS.
2. CHAIN LINK FABRIC TO BE 6 GAUGE FOR LOWER PORTION OF BACKSTOP AND 9 GAUGE FOR UPPER PORTION OF BACKSTOP.



SECTION VIEW



POST FOOTING

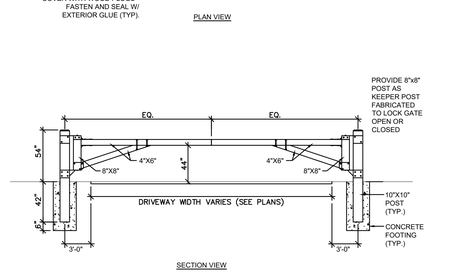
PARTIAL CANOPY PLAN

E1 BASEBALL / SOFTBALL BACKSTOP WITH CANOPY
N.T.S.

NOTES:

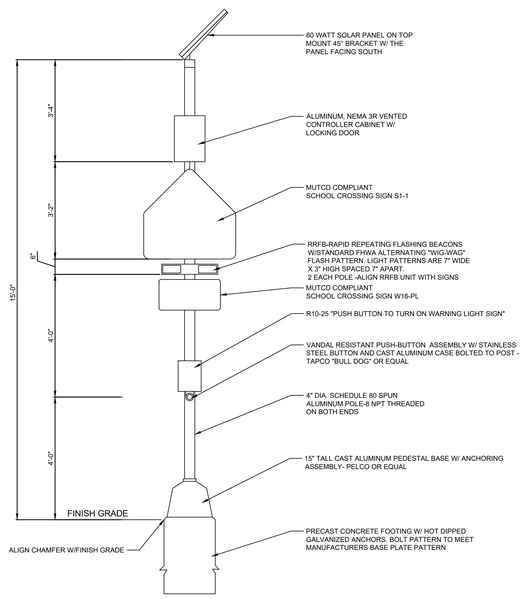
1. ALL HARDWARE AND FASTENERS SHALL BE HOT-DIPPED GALVANIZED.
2. PROVIDE HEAVY DUTY LAMINATED EXTERIOR COMMERCIAL GRADE LOCK PAD. PROVIDE (6) KEYS.
3. PROVIDE 8"x8" POSTS (1 EACH SIDE) AS KEEPER POST FABRICATED TO LOCK GATE OPEN.

PLAN VIEW



SECTION VIEW

E5 DOUBLE BARRICADE GATE
N.T.S.



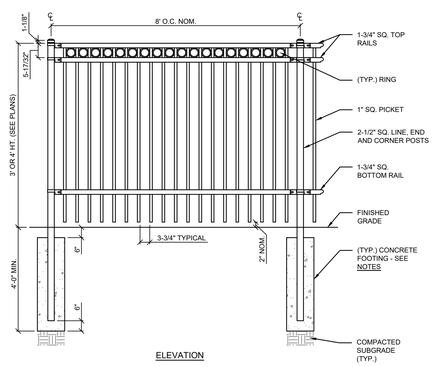
NOTES:

1. FINAL LOCATION OF RECTANGULAR RAPID FLASHING BEACON (RRFB) SHALL BE APPROVED BY THE TOWN OF EAST LONGMEADOW PRIOR TO INSTALLATION.
2. EACH RRFB ASSEMBLY SHALL BE EQUIPPED WITH THE FOLLOWING:
   A. THE RRFB UNITS SHALL BE ALUMINUM CASED W/SHATTERPROOF POLYCARBONATE AND THE CASES SHALL BE POWDER COATED DULL BLACK PER FEDERAL STANDARDS.
   B. THE RRFB UNITS SHALL BE OPERATED SYNCHRONIZED BY A SINGLE 900MHz FHSS RADIO CONTROLLER
   C. THE RRFB UNITS SHALL HAVE A LED LIGHT ON THE END OF THE UNIT THAT IS VISIBLE TO PEDESTRIANS ON THE SIDEWALK INDICATING THAT THE LIGHT IS FLASHING.
   D. THE RRFB UNITS SHALL BE SAE J595 CLASS 1 BRIGHTNESS W/ AUTO-DIMMING FOR NIGHT TIME OPERATION.
   E. THE RRFB FLASHING TIME SHALL BE IN ACCORDANCE W/ MUTCD CHAPTER 4D.08 AT 3 SECONDS PER FOOT-14 SECONDS TOTAL.
3. THE CONTROLLER CABINETS SHALL BE ALUMINUM WEATHERPROOF MEETING NEMA 3R VENTED W/ LOCKABLE HINGED DOOR. CABINETS SHALL BE EQUIPPED W/ BATTERY BACKUP POWER CONSISTING OF A SINGLE 12 VOLT 100 Ahr AGM BATTERY.
4. THE RRFB SOLAR PANEL SHALL BE AN 80 WATT HIGH-EFFICIENCY PHOTOVOLTAIC PANEL W/ MPPT-TC BATTERY CHARGER. THE PANEL SHALL BE MOUNTED ON THE TO OF THE POLE WITH A 45° MOUNT FOR PROPER DIRECTION ADJUSTMENT.
5. ALL COMPONENTS SHALL BE POWDER COATED BLACK.

G7 RECTANGULAR RAPID FLASHING BEACON (RRFB) ELEVATION
N.T.S.

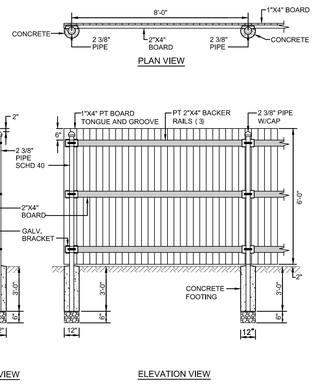
NOTES:

1. CONCRETE FOOTINGS - 18" DIA. REQUIRED AT ALL CORNER AND END POSTS; 12" DIA. REQUIRED AT ALL LINE POSTS.

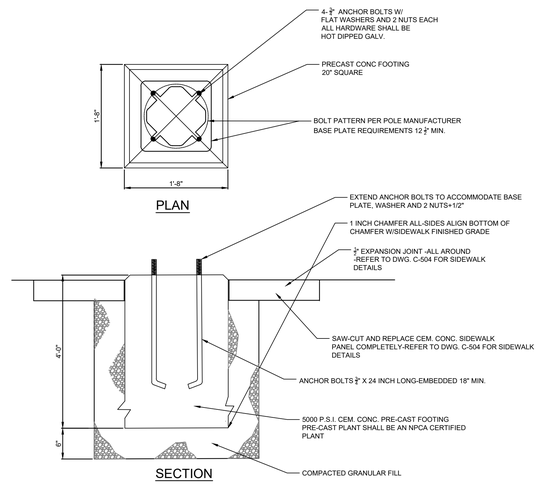


ELEVATION

G1 DECORATIVE METAL FENCE
N.T.S.



G3 WOOD STOCKADE FENCE
N.T.S.



G5 RECTANGULAR RAPID FLASHING BEACON FOOTING
N.T.S.

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CONSULTANTS:

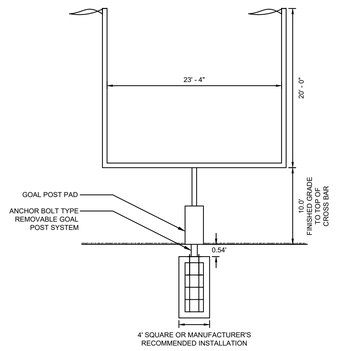
DETAILS VIII

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

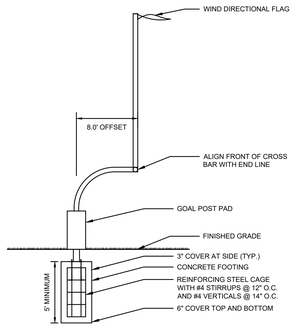
PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	N.T.S.
DRAWN BY:	ECV
REVISIONS:	

SD MSBA SET

C-508



END VIEW

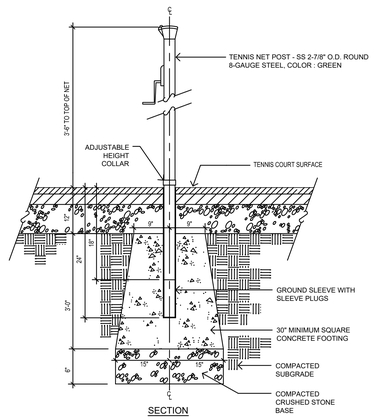


SIDE VIEW

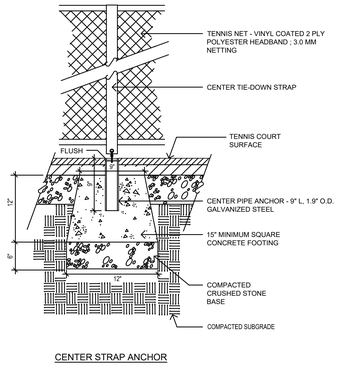
C1 FOOTBALL GOAL POST
N.T.S.

NOTE:

1. ALL DIMENSIONS AND EQUIPMENT TO CONFORM TO M.I.A.A. STANDARDS.
2. INSTALL GROUND SLEEVES, NET POSTS, AND CENTER PIPE AS PER MANUFACTURER'S INSTRUCTIONS.



SECTION

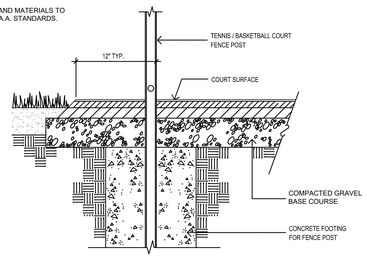


CENTER STRAP ANCHOR

C5 TENNIS NET INSTALLATION
N.T.S.

NOTE:

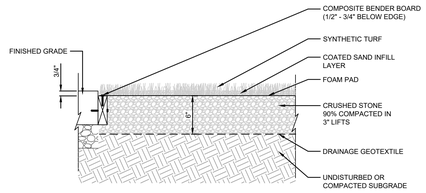
1. ALL DIMENSIONS AND MATERIALS TO CONFORM TO M.I.A.A. STANDARDS.



COURT EDGE

COURT SECTION

E1 TENNIS / BASKETBALL COURT SECTION AND EDGE CONDITION
N.T.S.



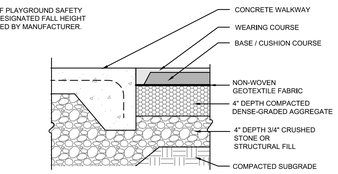
CONCRETE OR GRANITE EDGE

LANDSCAPE EDGE

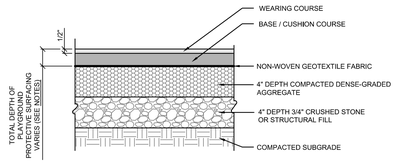
E3 SYNTHETIC LAWN ON GRADE
N.T.S.

NOTES:

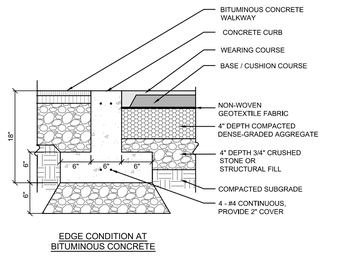
1. PROVIDE DEPTH OF PLAYGROUND SAFETY SURFACING FOR DESIGNATED FALL HEIGHT ZONES AS REQUIRED BY MANUFACTURER.



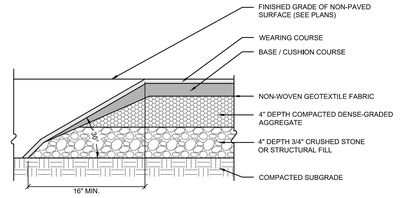
EDGE CONDITION AT CONCRETE WALKWAY



SECTION



EDGE CONDITION AT BITUMINOUS CONCRETE

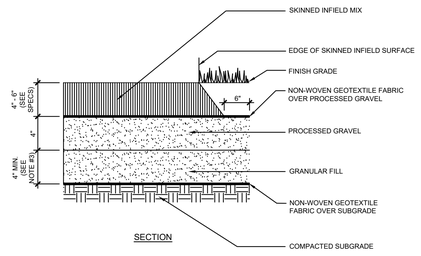


ROLLED DOWN EDGE CONDITION AT NON-PAVED SURFACE

E5 PLAYGROUND PROTECTIVE SURFACING
N.T.S.

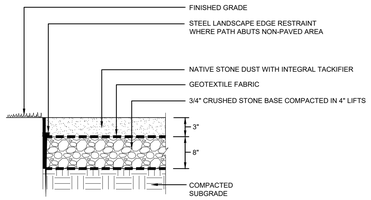
NOTES:

1. IF FULL DEPTH OF LOAM REMOVAL EXCEEDS MINIMUM INSTALLATION DEPTHS OF THE MATERIALS SHOWN HEREIN, CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ADDITIONAL GRANULAR FILL TO THE DEPTHS NECESSARY TO BRING TOP OF SKINNED INFIELD SURFACE TO PROPOSED FINISH GRADE.
2. AVOID OVERCOMPACTION OF EXISTING SUBGRADE.
3. SCARIFY EXISTING SUBGRADE TO A DEPTH OF 6" (12" IN AREAS WHERE STOCKPILES HAVE BEEN LOCATED) BEFORE INSTALLATION OF SEED OR SOD AREAS FOR ATHLETIC FIELDS.
4. TREAT WITH PRE-EMERGENT WEED CONTROL.



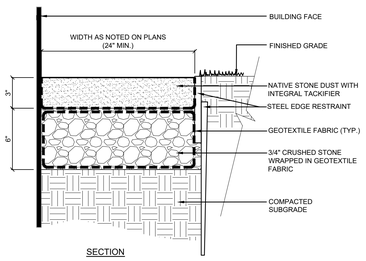
SECTION

G1 GIRLS' SOFTBALL AND BOYS' BASEBALL INFIELD SURFACING
N.T.S.



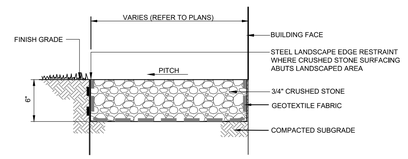
SECTION

G3 DECOMPOSED GRANITE SURFACING
N.T.S.



SECTION

G5 MOW STRIP
N.T.S.



SECTION

G7 CRUSHED STONE SURFACING
N.T.S.

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CONSULTANTS:

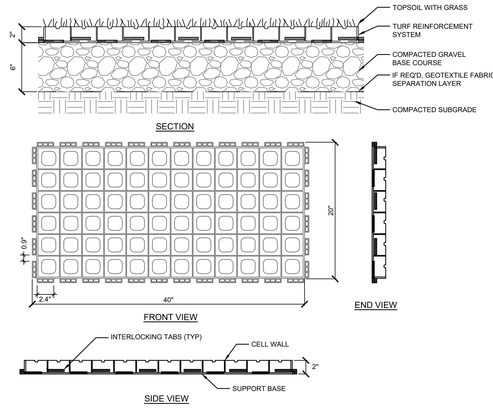
DETAILS IX

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

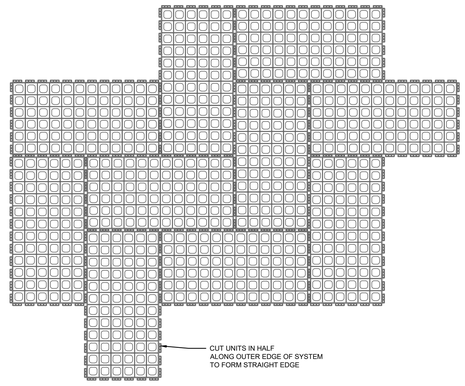
PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	N.T.S.
DRAWN BY:	ECV
REVISIONS:	

SD MSBA SET

C-509



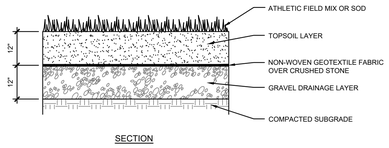
C1 REINFORCED TURF SURFACING
N.T.S.



TYPICAL LAYOUT - HERRINGBONE PATTERN

NOTES:

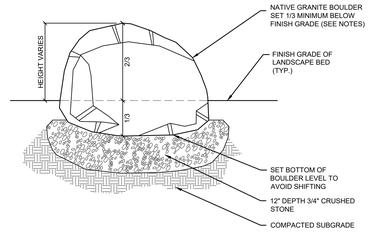
1. REMOVE FULL DEPTH OF EXISTING LOAM.
2. AVOID OVERCOMPACTION OF EXISTING SUBGRADE.
3. SCARIFY EXISTING SUBGRADE TO A DEPTH OF 2"-4" (18" IN AREAS WHERE STOCKPILES HAVE BEEN LOCATED) BEFORE INSTALLATION OF CRUSHED STONE LAYER.



C5 TYPICAL ATHLETIC FIELD CROSS SECTION
N.T.S.

NOTES:

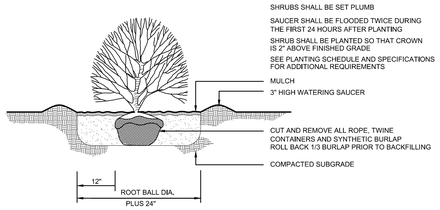
1. INDIVIDUAL BOULDERS ARE TO BE FIELD SELECTED AND FIELD LOCATED BY THE ARCHITECT.
2. REFER TO LAYOUT & MATERIALS PLANS FOR APPROXIMATE BOULDER LOCATIONS AND EDGE CONDITIONS AT INDIVIDUAL BOULDERS.
3. BOULDER SIZE DISTRIBUTION AND DIMENSIONS ARE TO BE AS FOLLOWS:
   - 67% SMALL - LENGTH AND WIDTH = 24"-48"; HEIGHT 18"-24".
   - 33% LARGE - LENGTH AND WIDTH = 48"-72"; HEIGHT 24"-36".



C7 PLACED LANDSCAPE BOULDER
N.T.S.

NOTES:

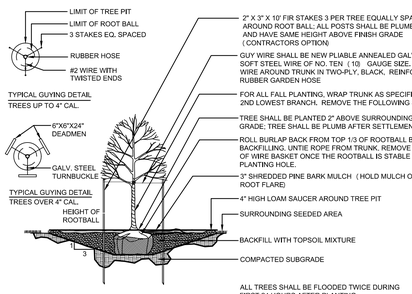
1. ORIENT SHRUB TO HAVE SIMILAR SOLAR ASPECT AS NURSERY, OR AS DIRECTED BY THE LANDSCAPE ARCHITECT. TAGS ARE TO BE PLACED ON THE NORTH SIDE OF NURSERY STOCK.



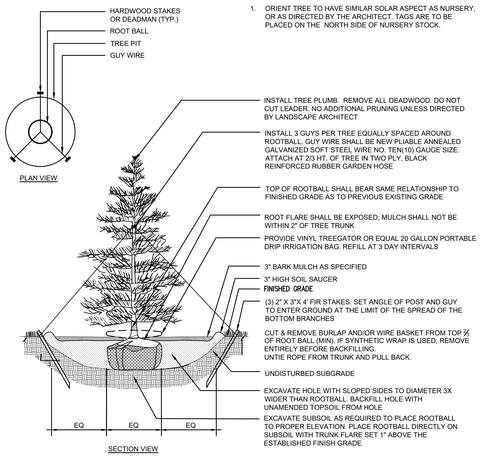
E1 SHRUB PLANTING
N.T.S.

NOTES:

1. ORIENT TREE TO HAVE SIMILAR SOLAR ASPECT AS NURSERY, OR AS DIRECTED BY THE ARCHITECT. TAGS ARE TO BE PLACED ON THE NORTH SIDE OF NURSERY STOCK.



E3 TREE PLANTING DETAIL
N.T.S.

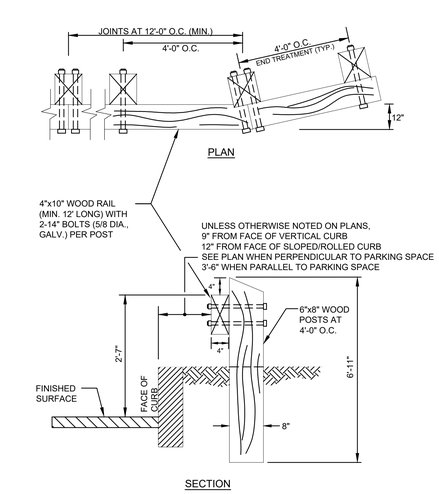


E5 TYPICAL EVERGREEN TREE PLANTING
N.T.S.

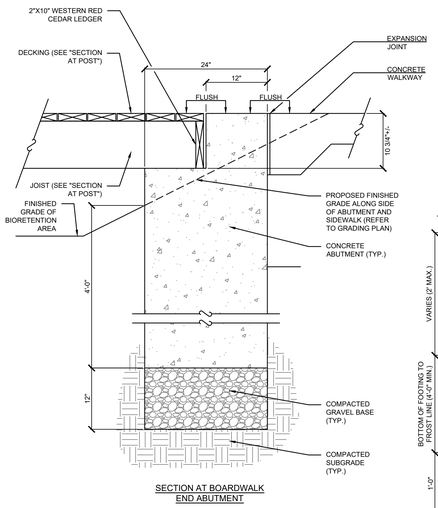
NOTES:

1. ORIENT TREE TO HAVE SIMILAR SOLAR ASPECT AS NURSERY, OR AS DIRECTED BY THE ARCHITECT. TAGS ARE TO BE PLACED ON THE NORTH SIDE OF NURSERY STOCK.

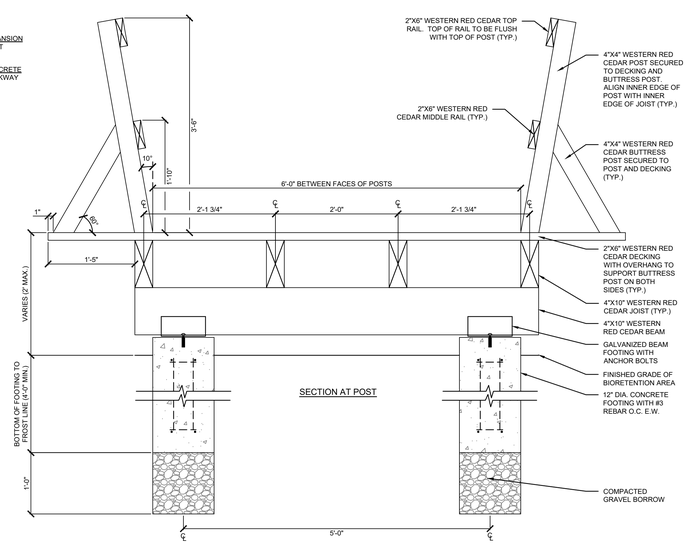
E7 LOAM AND SEED / SOD
N.T.S.



G1 WOOD GUARD RAIL
N.T.S.



G3 BIORETENTION AREA CROSSING
N.T.S.



G9 BASKETBALL GOAL AND FOOTING
N.T.S.

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CONSULTANTS:

DETAILS X

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

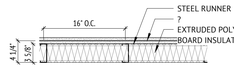
PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	N.T.S.
DRAWN BY:	ECV
REVISIONS:	

SD MSBA SET

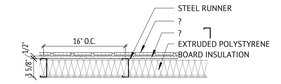
C-510

WALL TYPE LEGEND

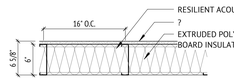
INTERIOR CHASE WALLS



C3A 3 5/8" STUD, 2xGWB
2 LAYER 5/8" GWB ON 1 SIDE

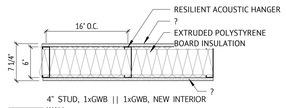


C3C 3 5/8" STUD, TILE
1/2" CEMENT BOARD + TILE ON 1 SIDE

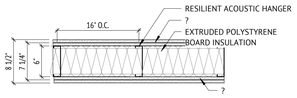


C6 6" STUD, 1xGWB
1 LAYER 5/8" GWB ON 1 SIDE

INTERIOR WALL TYPES



G4E 4" STUD, 1xGWB || 1xGWB, NEW INTERIOR WALL
1 LAYER 5/8" GWB ON EACH SIDE

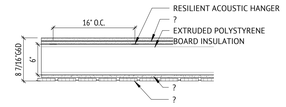


G6 6" STUD, 1xGWB || 1xGWB, INTERIOR WALL
1 LAYER 5/8" GWB ON EACH SIDE

G6R 6" STUD, 1xGWB || 1xGWB, 1 HR RATED WALL
1 LAYER 5/8" TYPE X GWB ON EACH SIDE

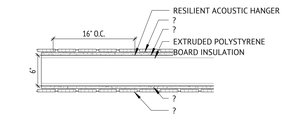
G6A 6" STUD, 1xGWB || 2xGWB
1 LAYER 5/8" GWB ON SIDE 1, 2 LAYERS GWB ON SIDE 2

G6B 6" STUD, 2xGWB || 2xGWB
2 LAYER 5/8" GWB ON EACH SIDE

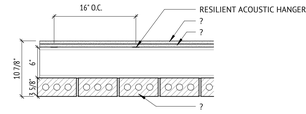


G6D 6" STUD, 2xGWB || TILE
(2) 5/8" GWB ON SIDE 1, 1/2" CB + TILE

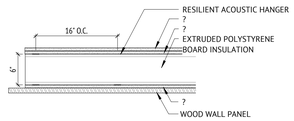
G6E 6" STUD, 1xGWB || TILE
5/8" GWB ON SIDE 1, 1/2" CB + TILE



G6F 6" STUD, TILE || TILE
1/2" CB + TILE, 1/2" CB + TILE

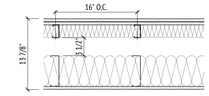


G6G 6" STUD, 2xGWB || BRICK, AUDITORIUM WALL
(2) 5/8" GWB; MODULAR BRICK

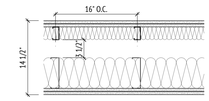


G6H 6" STUD, WD PANEL + 1xGWB || 2xGWB, AUDITORIUM DEMISING WALL
(2) 5/8" GWB ON SIDE 1; 5/8" GWB + WOOD WALL PANEL ON SIDE 2

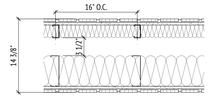
INTERIOR WALL TYPES



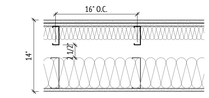
G12A 6" + 2 1/2" STUDS W/ 3 1/2" AIR SPACE, 2xGWB || || 1xGWB, CROSS BRACING WALLS
1 LAYER OF 5/8" GWB SIDE 1, 2 LAYERS OF 5/8" GWB SIDE 2



G12B 6" + 2 1/2" STUDS W/ 3 1/2" AIR SPACE, 2xGWB || || 2xGWB, CROSS BRACING WALLS
2 LAYERS OF 5/8" GWB EACH SIDE

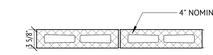


G12E 6" + 2 1/2" STUDS W/ 3 1/2" AIR SPACE, 1xCB + TILE || || 1xCB + TILE, CROSS BRACING WALLS
1 LAYER CEMENTBOARD + TILE EACH SIDE

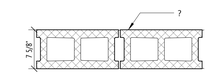


G14B 6" + 3 5/8" STUDS W/ 2 1/2" AIR SPACE, 2xGWB || || 2xGWB, GYM CROSS BRACING WALLS
2 LAYERS OF 5/8" GWB EACH SIDE

INTERIOR MASONRY WALL TYPES

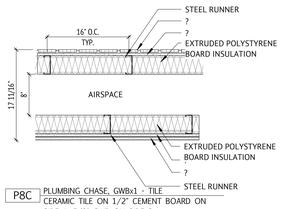


M4 4" NOMINAL CMU - CONCESSIONS BUILDING
PAINTED FINISH



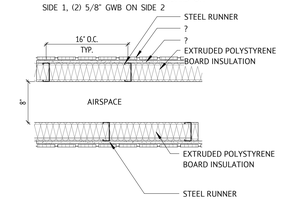
M8R 8" NOMINAL CMU CORE (1 HR RATED WALL)
PAINTED FINISH

INTERIOR PLUMBING WALL TYPES

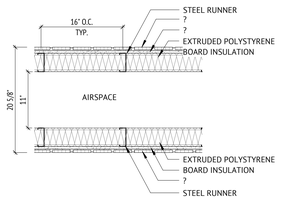


P8C PLUMBING CHASE, GWBx1 - TILE
CERAMIC TILE ON 1/2" CEMENT BOARD ON SIDE 1, 5/8" GWB ON SIDE 2

P8D PLUMBING CHASE, GWBx2 - TILE
CERAMIC TILE ON 1/2" CEMENT BOARD ON SIDE 1, (2) 5/8" GWB ON SIDE 2

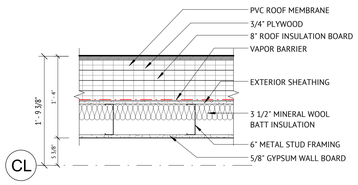


P8E PLUMBING CHASE, TILE || TILE
CERAMIC TILE ON 1/2" CEMENT BOARD ON EACH SIDE

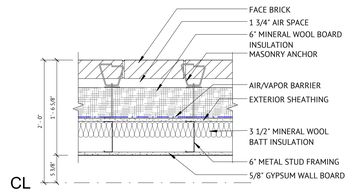


P11E (2) 3 5/8" STUDS W/ 11" AIR GAP CORE
1 LAYER 1/2" CEMENT BOARD W/ CERAMIC TILE ON EACH SIDE

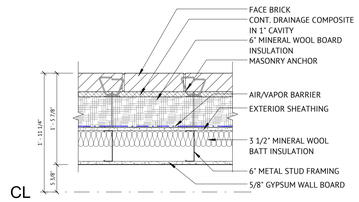
EXTERIOR WALL TYPES



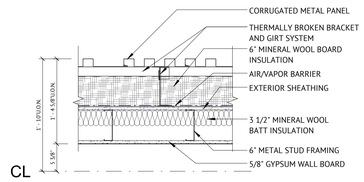
S9 EXTERIOR WALL
6" METAL STUD W/ ROOF MEMBRANE



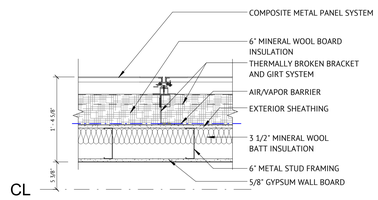
S13 EXTERIOR WALL
6" METAL STUD W/ NORMAN BRICK - BASE COLOR



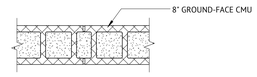
S13a EXTERIOR WALL
6" METAL STUD W/ RECESSED NORMAN BRICK - ACCENT COLOR



S15 EXTERIOR WALL
6" METAL STUD W/ CORRUGATED METAL PANEL

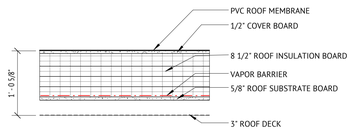


S16 EXTERIOR WALL
6" METAL STUD W/ COMPOSITE METAL PANEL

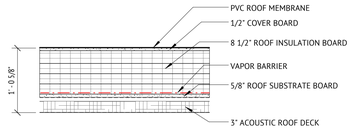


E8 EXTERIOR WALL - CONCESSIONS BUILDING
8" GROUND-FACED CMU

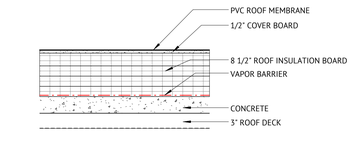
ROOF TYPES



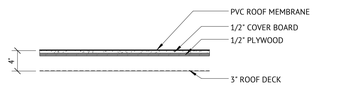
ERA-1 ROOF ASSEMBLY
3" METAL DECK W/ ROOF MEMBRANE



ERA-1A ROOF ASSEMBLY
3" ACOUSTIC METAL DECK W/ ROOF MEMBRANE



ERA-1B ROOF ASSEMBLY
COMPOSITE CONCRETE DECK W/ ROOF MEMBRANE



ERA-2 ROOF ASSEMBLY
3" METAL DECK W/ ROOF MEMBRANE (NO INSULATION)

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CONSULTANTS:

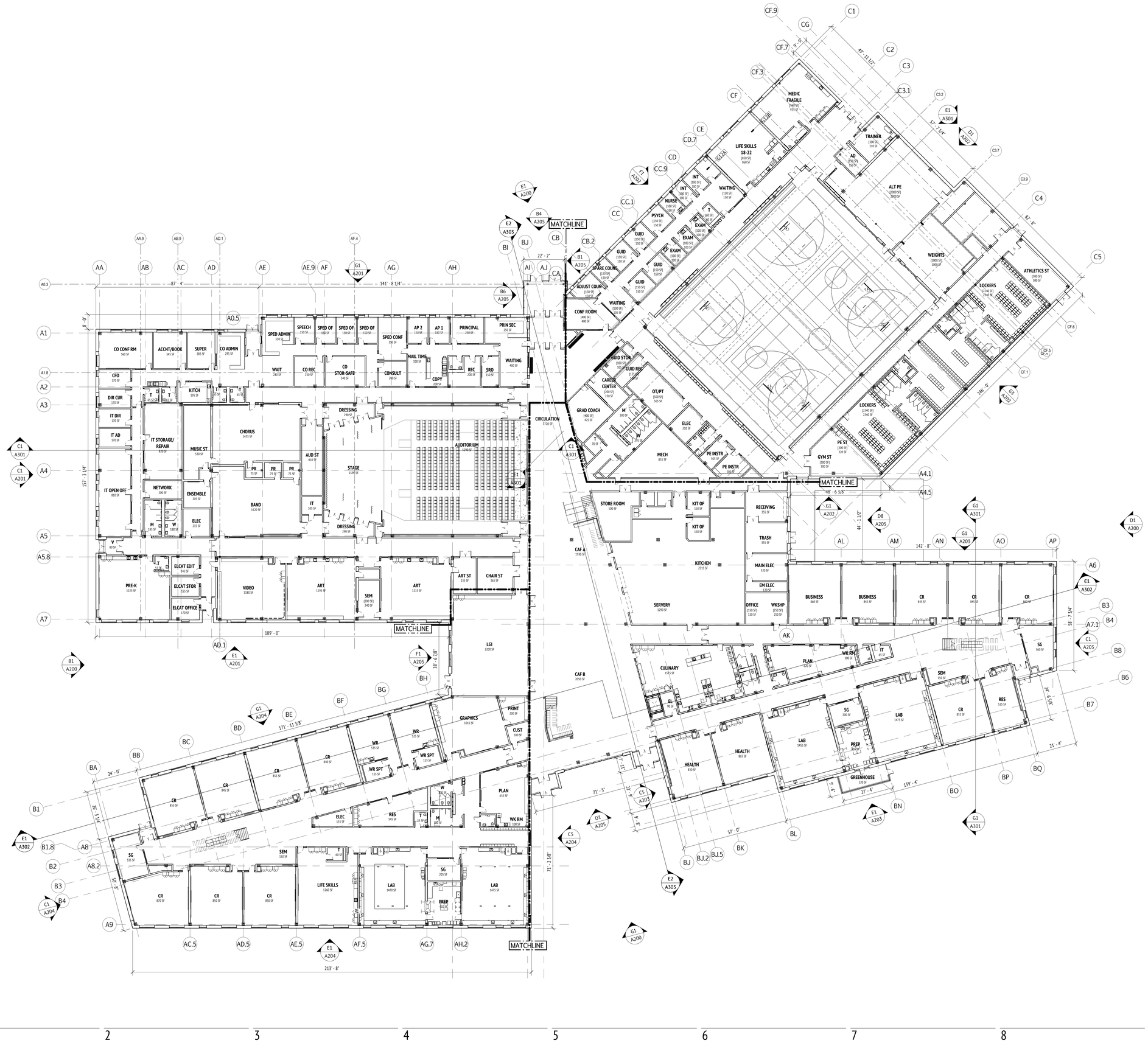
WALL TYPES, ROOF TYPES & DETAILS

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	1" = 1'-0"
DRAWN BY:	AG/YJ
REVISIONS:	

SD MSBA SET

A002



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CONSULTANTS:

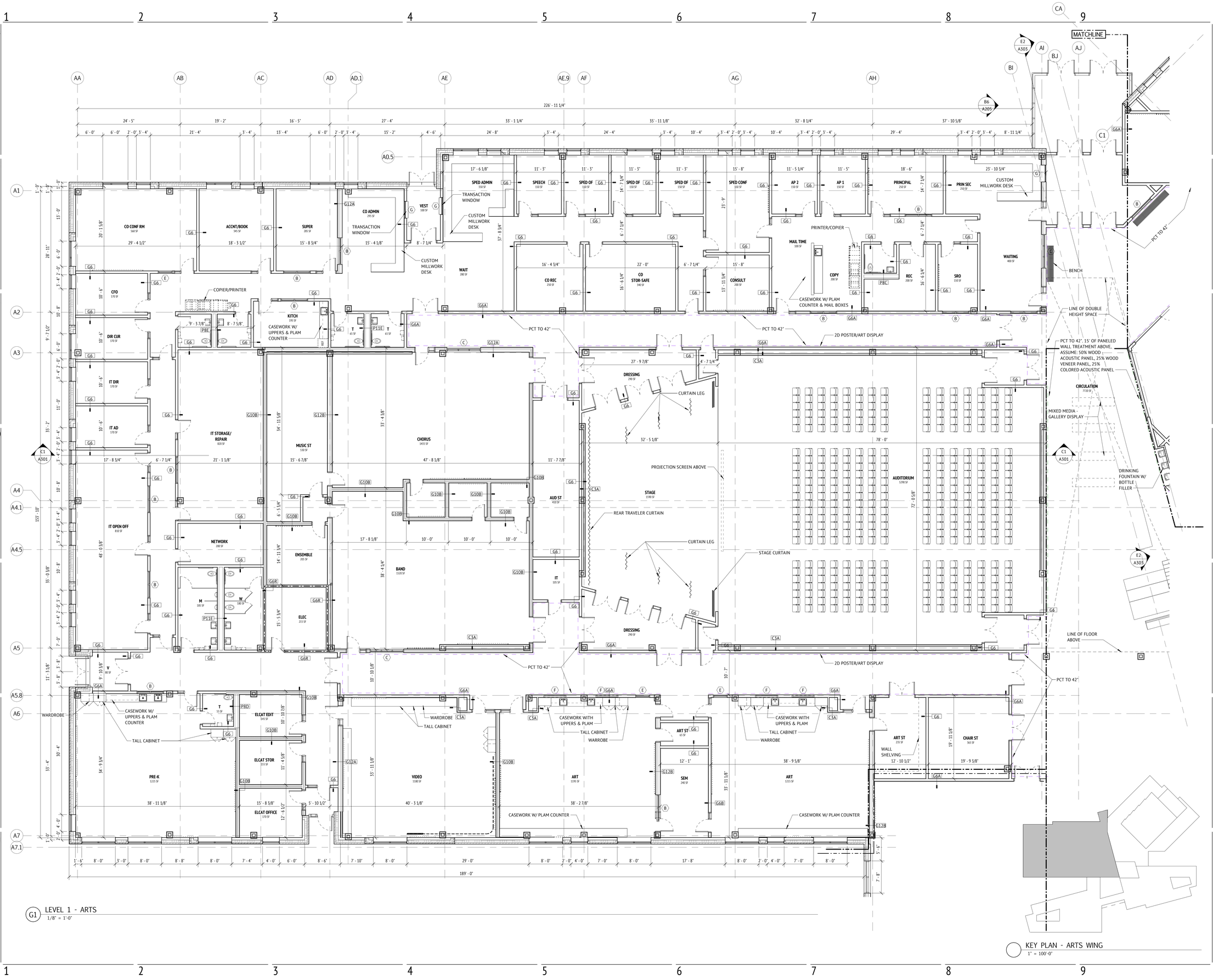
LEVEL 1 - OVERALL

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	1" = 20'-0"
DRAWN BY:	AG/JD
REVISIONS:	

SD MSBA SET

A101



G1 LEVEL 1 - ARTS
1/8" = 1'-0"

KEY PLAN - ARTS WING
1" = 100'-0"

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CONSULTANTS:

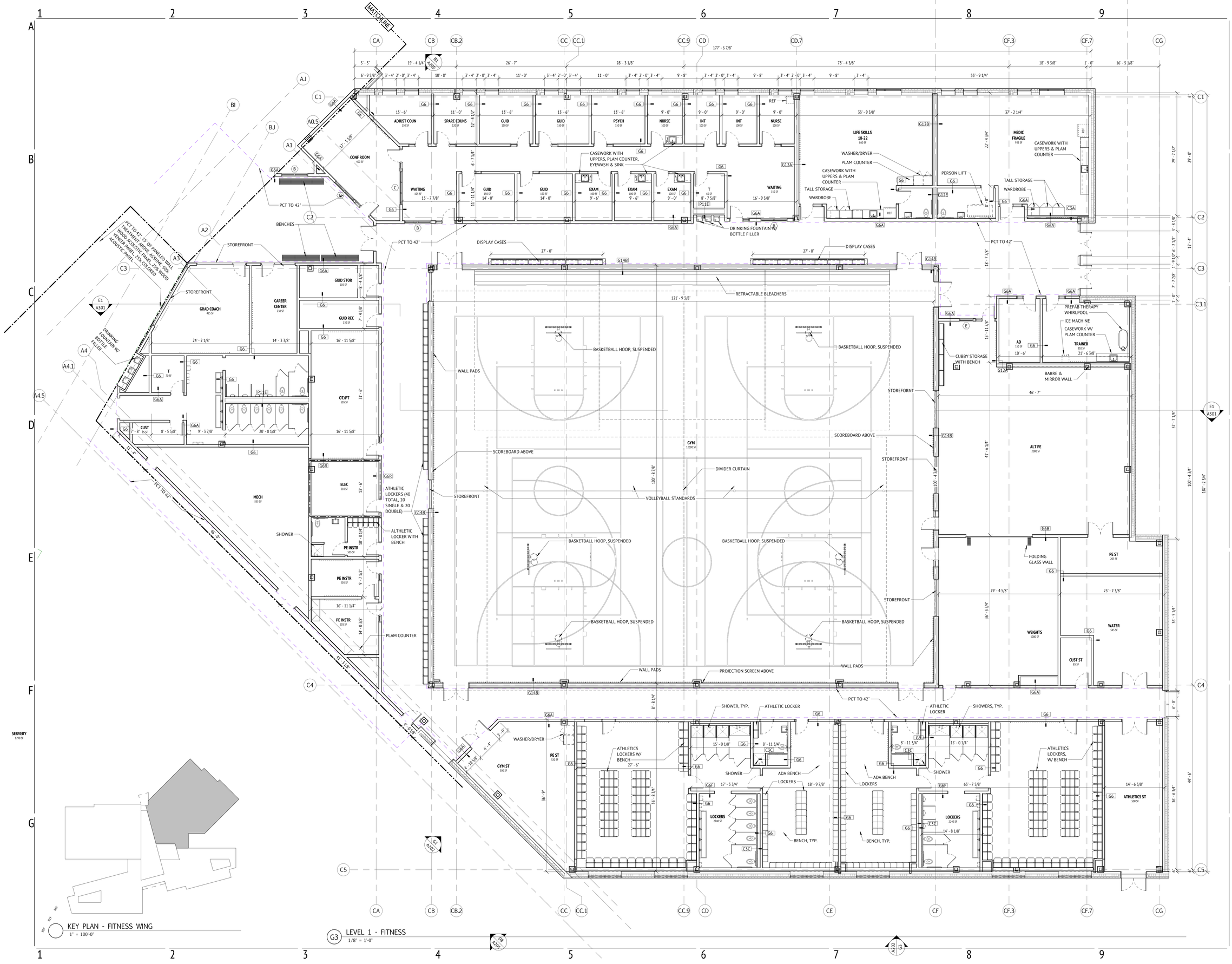
LEVEL 1 - ARTS WING PLAN

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	As indicated
DRAWN BY:	AG/JD
REVISIONS:	

SD MSBA SET

A101.1



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CONSULTANTS:

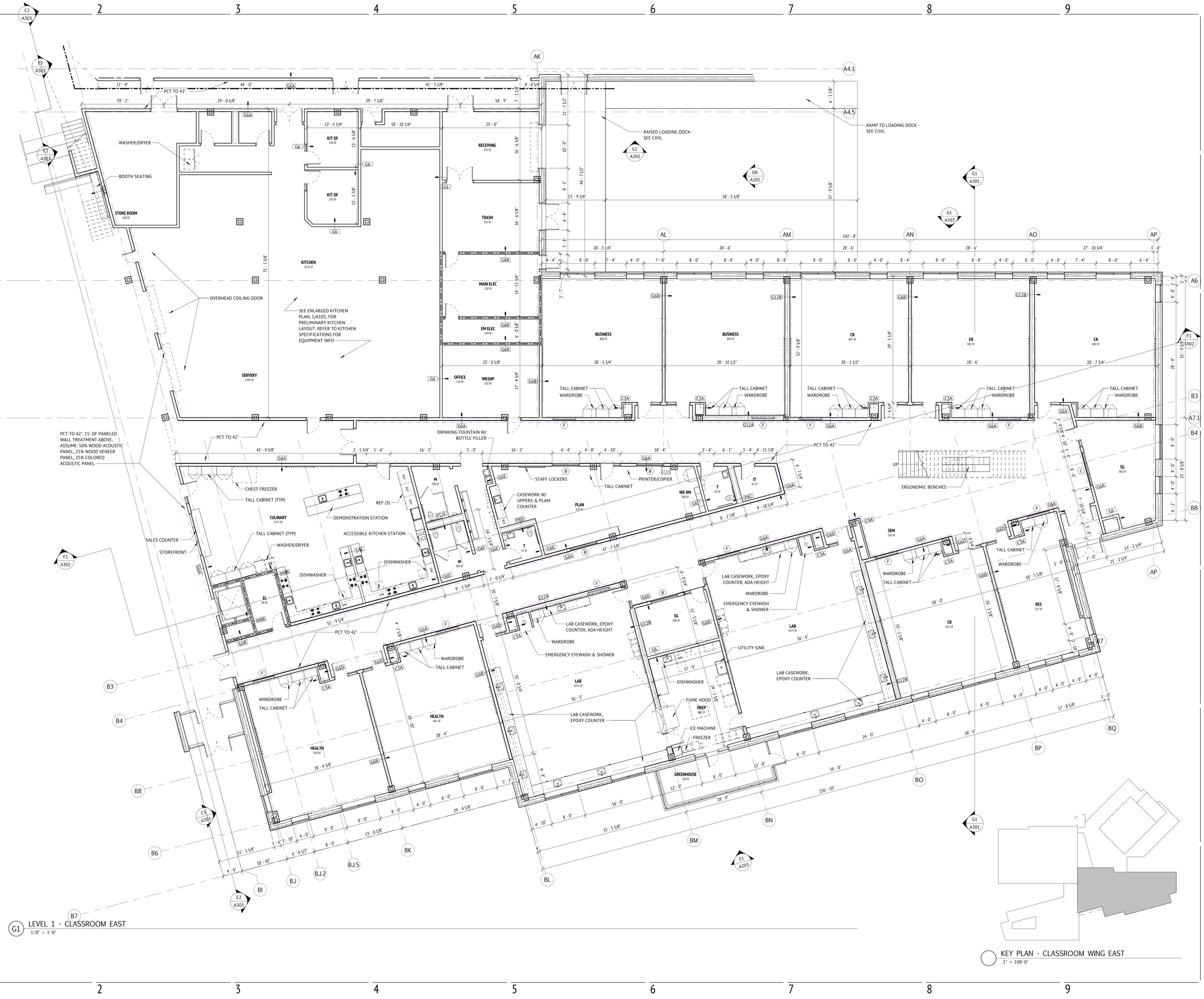
LEVEL 1 - FITNESS WING PLAN

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	As indicated
DRAWN BY:	AG/JD
REVISIONS:	

SD MSBA SET

A101.2



G1 LEVEL 1 - CLASSROOM EAST
1/8" = 1'-0"

KEY PLAN - CLASSROOM WING EAST
1" = 100'-0"

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CONSULTANTS:

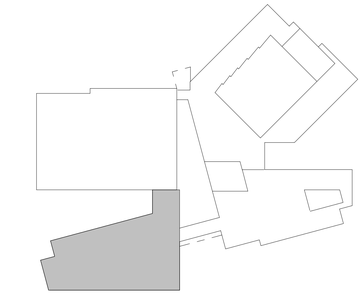
LEVEL 1 - CLASSROOM EAST

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	As indicated
DRAWN BY:	AG/JD
REVISIONS:	

SD MSBA SET

A101.3



KEY PLAN - CLASSROOM WING WEST
1" = 100'-0"

G1 LEVEL 1 - CLASSROOM WEST
1/8" = 1'-0"

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CONSULTANTS:

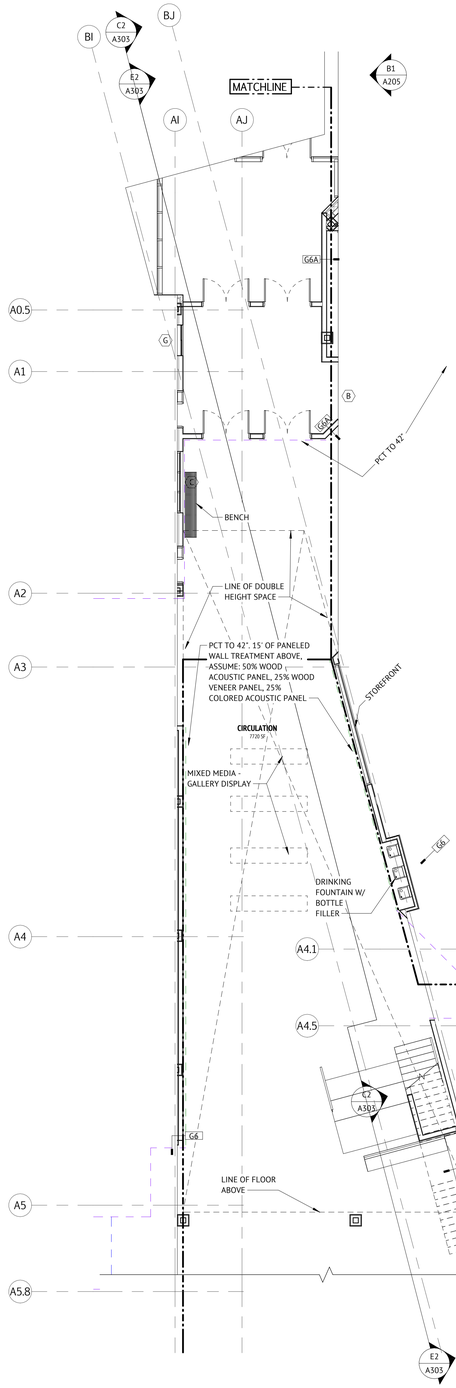
LEVEL 1 - CLASSROOM WEST

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

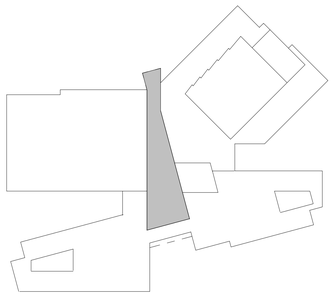
PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	As indicated
DRAWN BY:	AG/JD
REVISIONS:	

SD MSBA SET

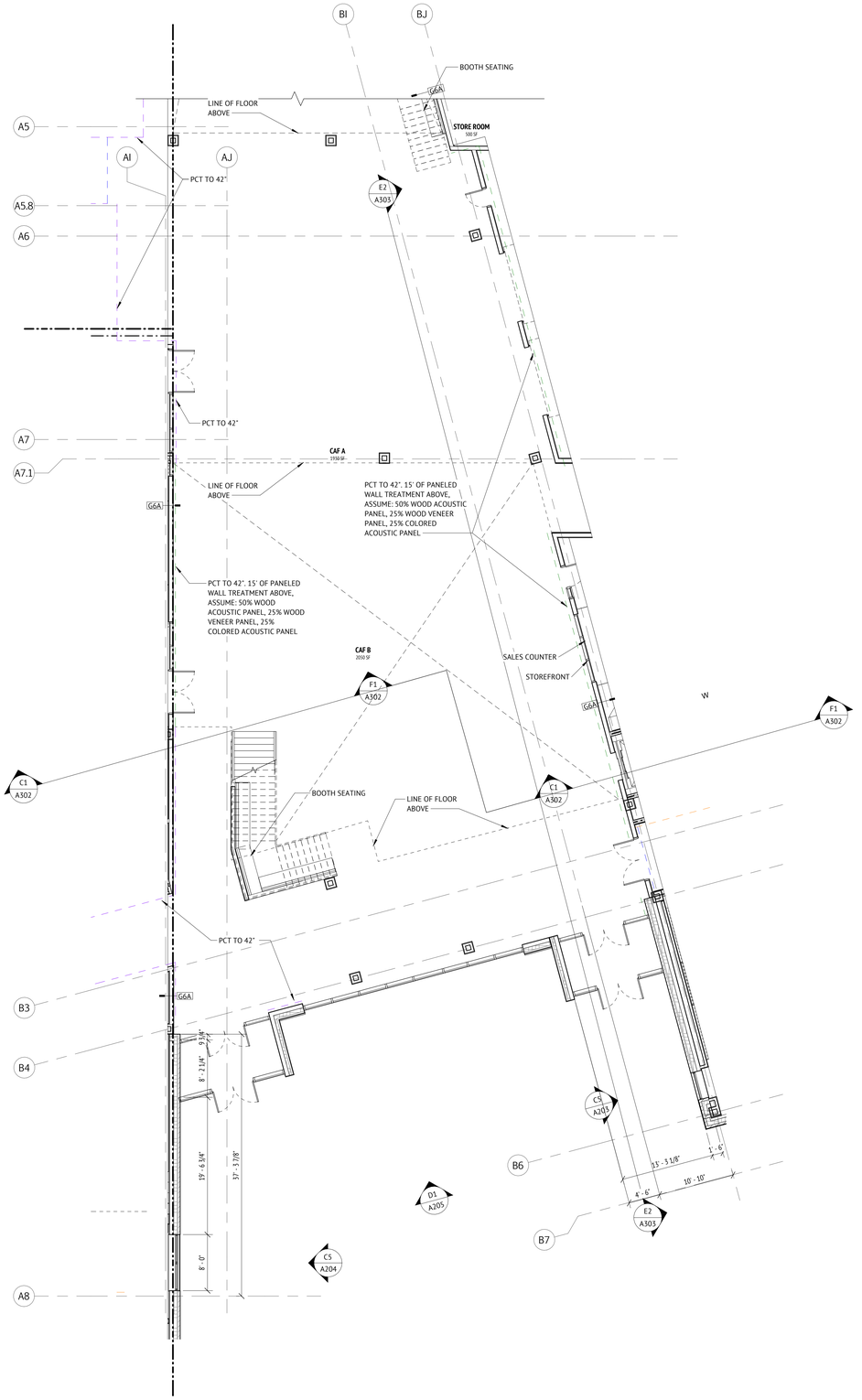
A101.4



G2 LEVEL 1 SPINE - NORTH
1/8" = 1'-0"



KEY PLAN - SPINE
1" = 100'-0"



G6 LEVEL 1 SPINE - SOUTH
1/8" = 1'-0"

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CONSULTANTS:

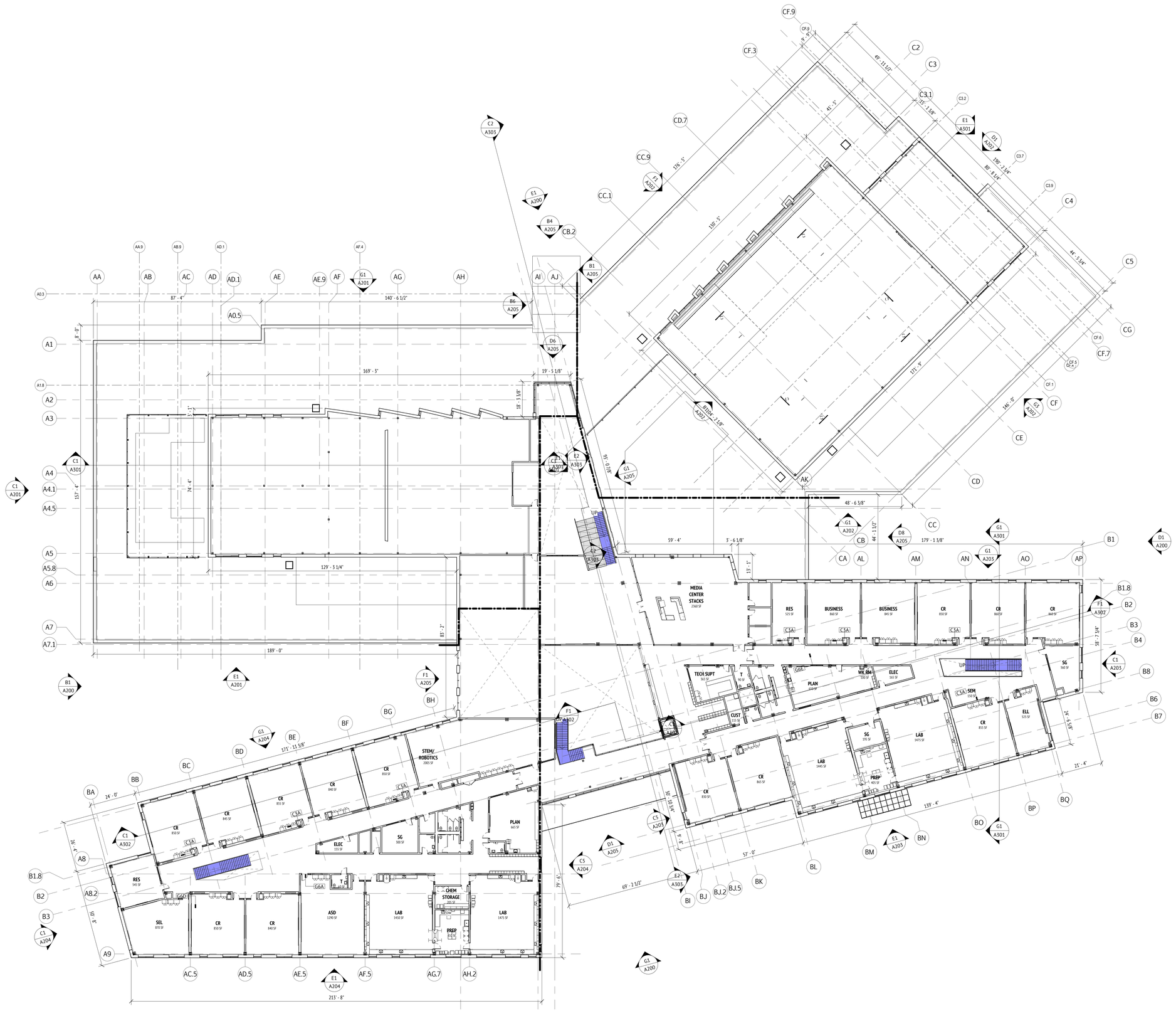
LEVEL 1 - SPINE

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	As indicated
DRAWN BY:	Author
REVISIONS:	

SD MSBA SET

A101.5



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CONSULTANTS:

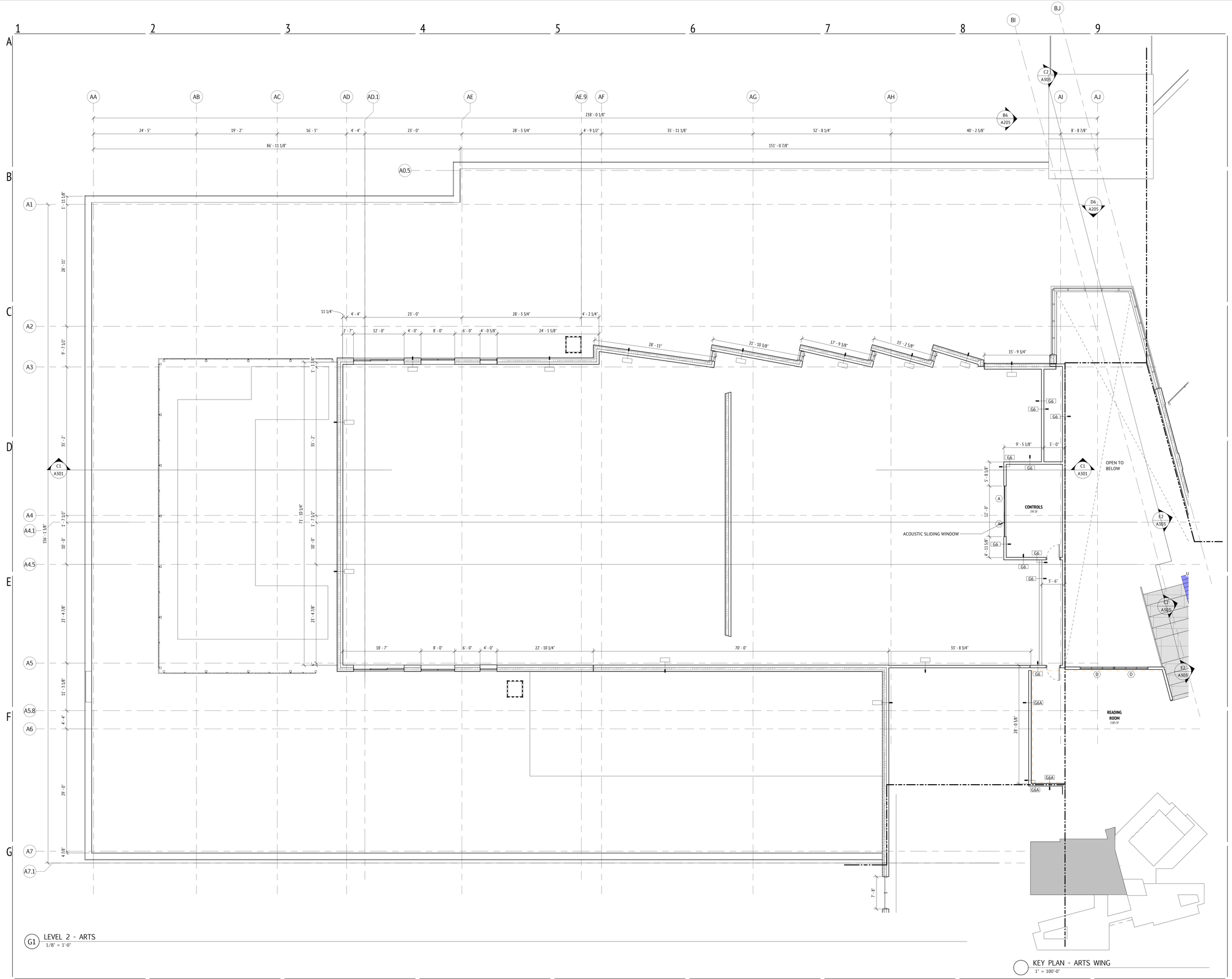
LEVEL 2 - OVERALL

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	1" = 20'-0"
DRAWN BY:	AG/JD
REVISIONS:	

SD MSBA SET

A102



G1 LEVEL 2 - ARTS
1/8" = 1'-0"

KEY PLAN - ARTS WING
1" = 100'-0"

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CONSULTANTS:

LEVEL 2 - ARTS WING PLAN

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	As indicated
DRAWN BY:	AG/JD
REVISIONS:	

SD MSBA SET

A102.1

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CONSULTANTS:

- CLASSROOM EAST

LEVEL 2 -

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

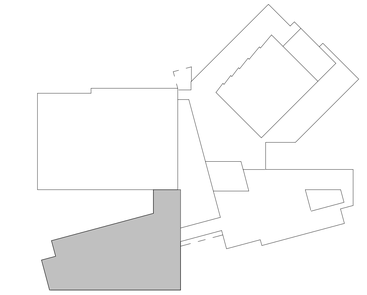
PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	As indicated
DRAWN BY:	AG/JD
REVISIONS:	

SD MSBA SET

A102.2

G1 LEVEL 2 - CLASSROOM EAST
1/8" = 1'-0"

KEY PLAN - CLASSROOM WING EAST
1" = 100'-0"



KEY PLAN - CLASSROOM WING WEST
1" = 100'-0"

G1 LEVEL 2 - CLASSROOM WEST
1/8" = 1'-0"

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CONSULTANTS:

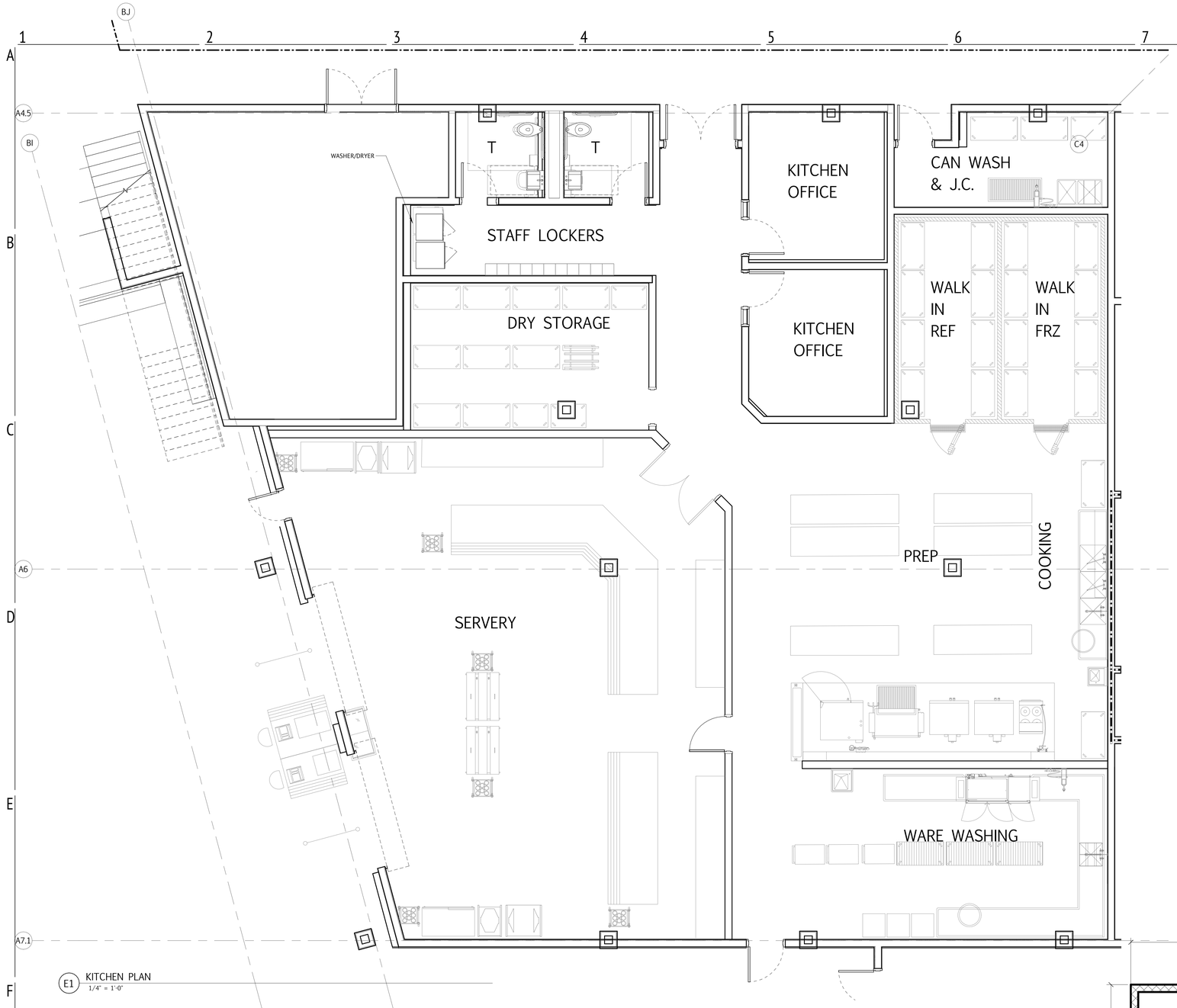
EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

LEVEL 2 - CLASSROOM WEST

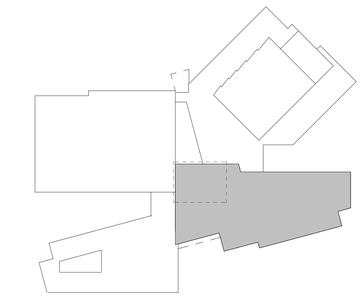
PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	As indicated
DRAWN BY:	AG/JD
REVISIONS:	

SD MSBA SET

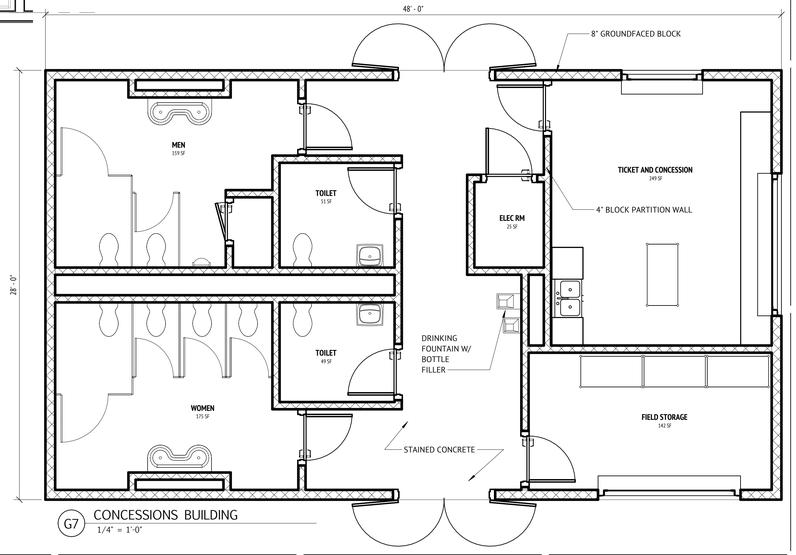
A102.3



E1 KITCHEN PLAN
1/4" = 1'-0"



KEY PLAN - CLASSROOM WING EAST
1" = 100'-0"



G7 CONCESSIONS BUILDING
1/4" = 1'-0"

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CONSULTANTS:

KITCHEN & CONCESSIONS PLAN

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	As indicated
DRAWN BY:	Author
REVISIONS:	

SD MSBA SET

A103

G1 LEVEL 1 - OVERALL WALL TYPES
1" = 20'-0"

COLORED WALL TYPE LEGEND

	C3A
	C3C
	C6
	G4E
	G6
	G6A
	G6B
	G6D
	G6E
	G6F
	G6R
	G10B
	G12A
	G12B
	G12E
	G14B
	M8R
	P8C
	P8D
	P8E
	P11E

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CONSULTANTS:

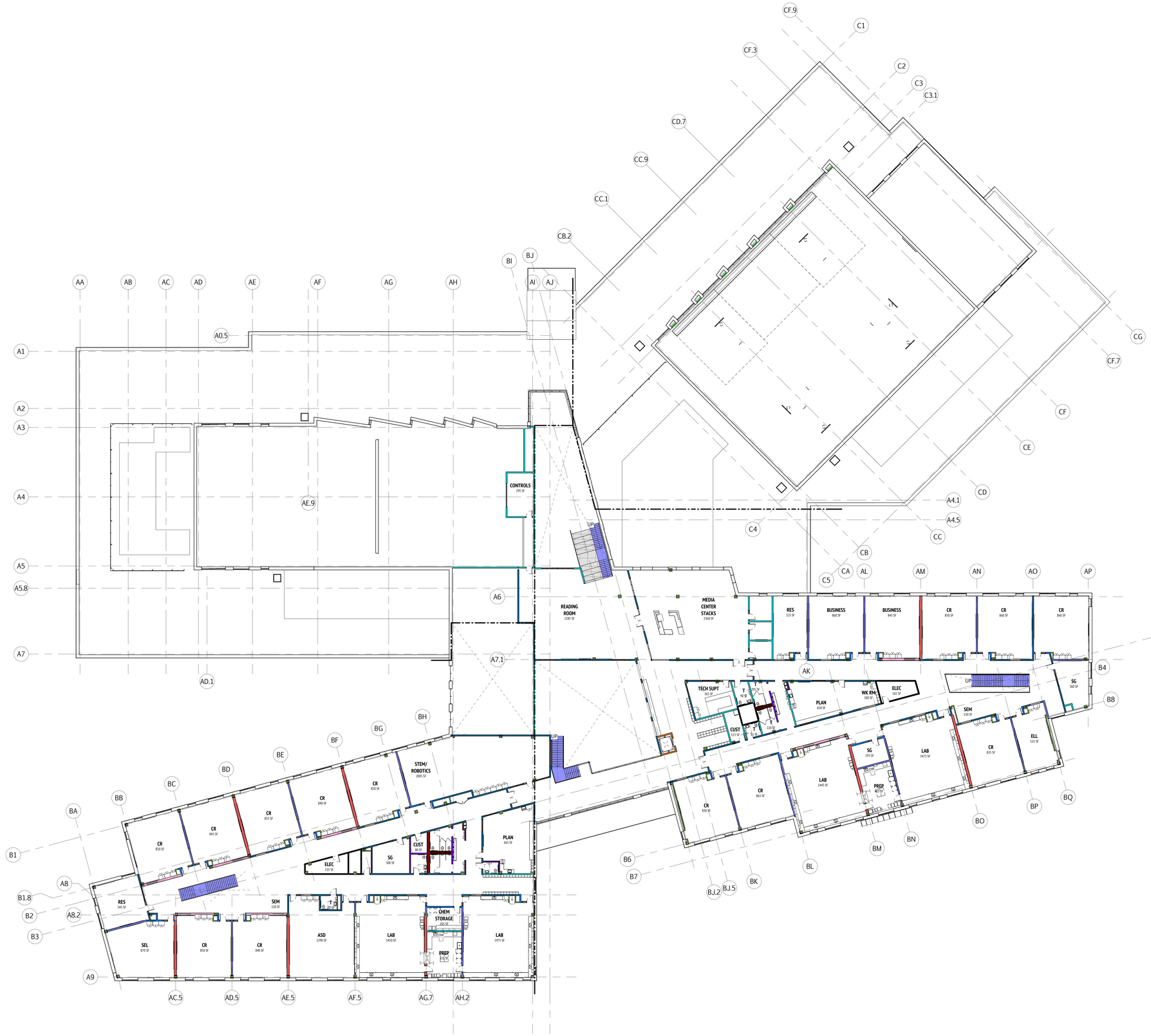
EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

LEVEL 1 - WALL TYPES

PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	As indicated
DRAWN BY:	AG
REVISIONS:	

SD MSBA SET

A111



COLORED WALL TYPE LEGEND

	C3A
	C3C
	C6
	G4E
	G6
	G6A
	G6B
	G6D
	G6E
	G6F
	G6R
	G10B
	G12A
	G12B
	G12E
	G14B
	M8R
	P8C
	P8D
	P8E
	P11E

G1 LEVEL 2 - OVERALL WALL TYPES
1" = 20'-0"

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CONSULTANTS:

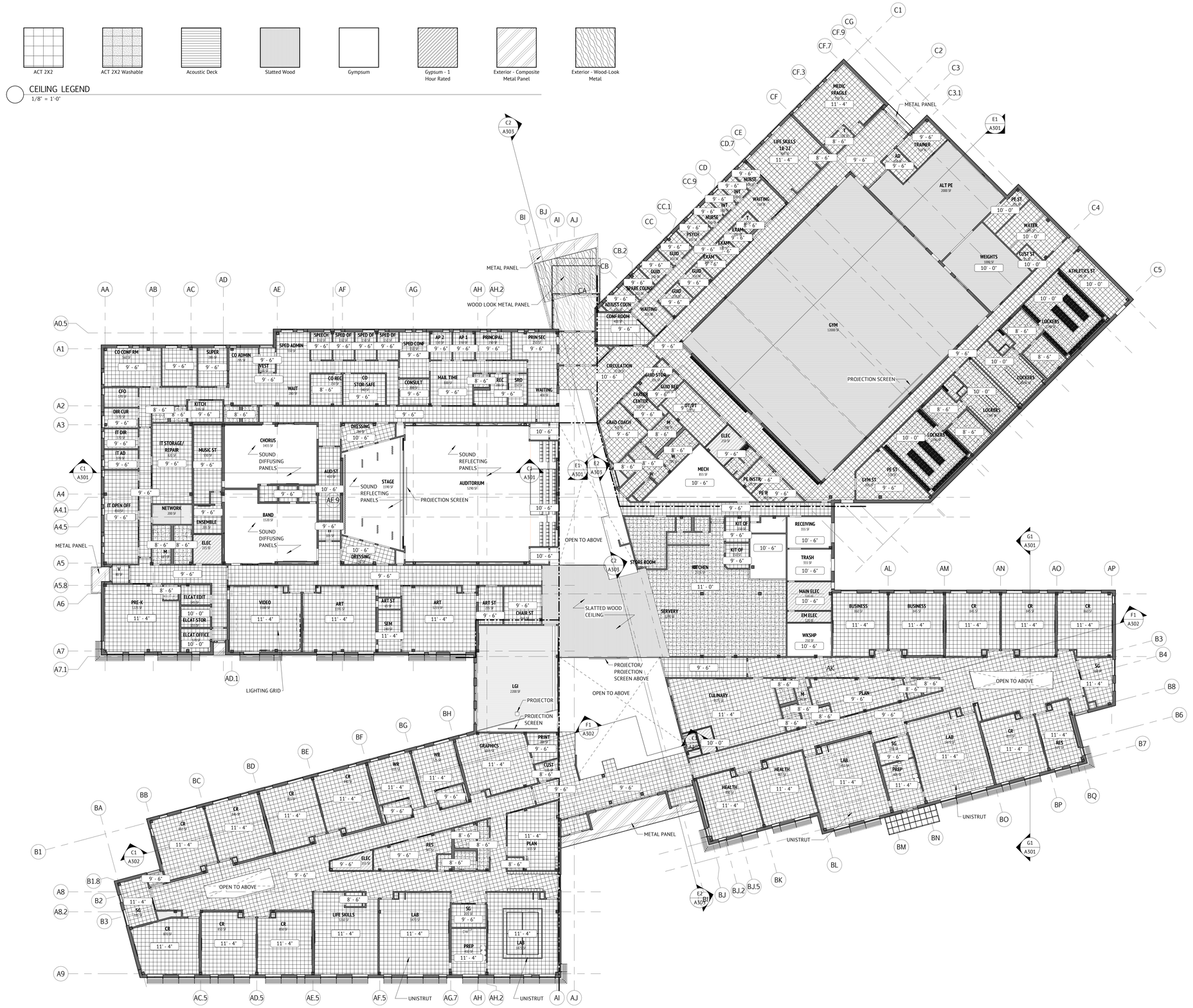
LEVEL 2 - WALL TYPES

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	As indicated
DRAWN BY:	AG
REVISIONS:	

SD MSBA SET

A112



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CONSULTANTS:

LEVEL 1 - REFLECTED CEILING PLAN

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	As indicated
DRAWN BY:	EW/JD
REVISIONS:	

SD MSBA SET

A131

ACT 2X2

ACT 2X2 Washable

Acoustic Deck

Slatted Wood

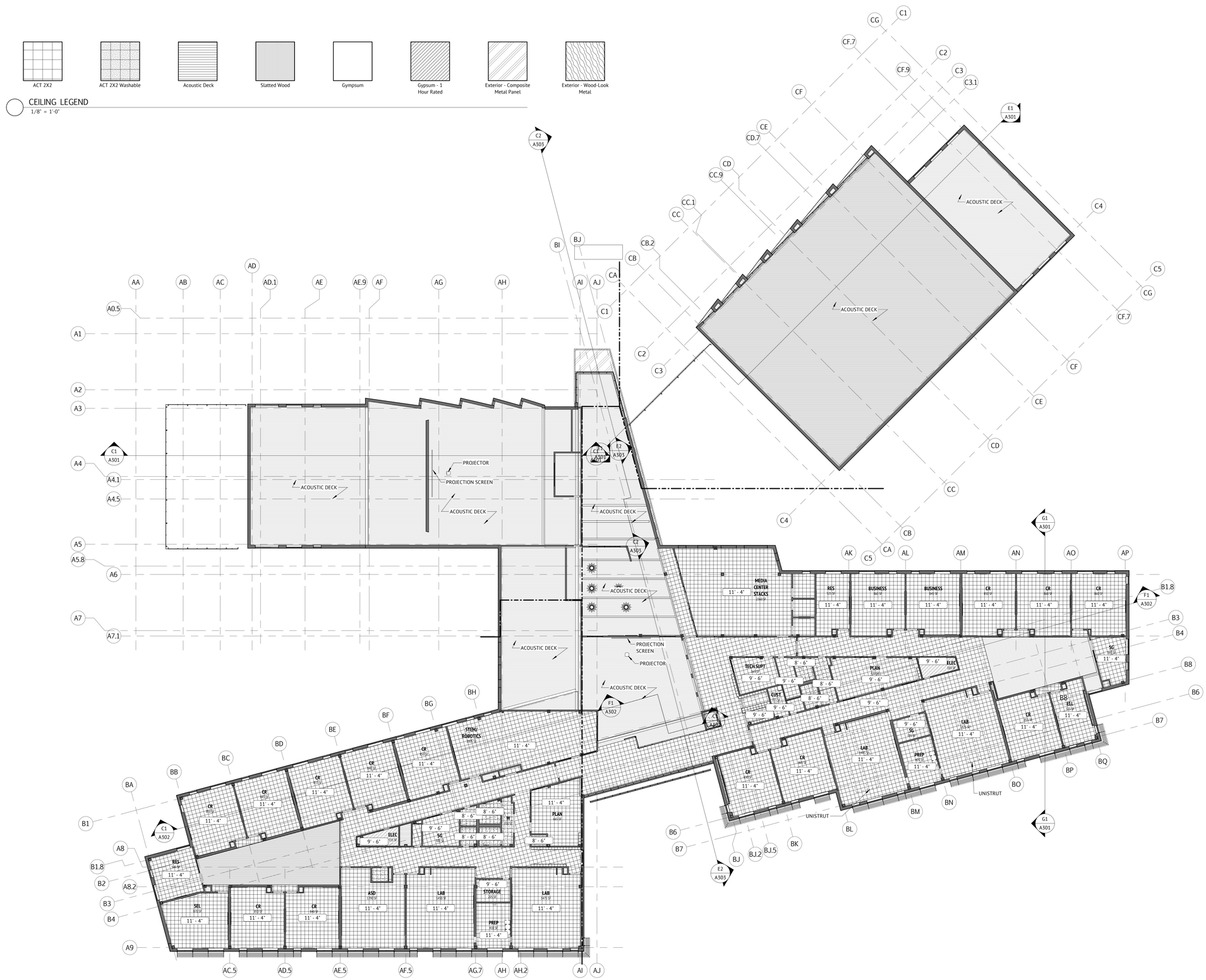
Gympsum

Gypsum - 1 Hour Rated

Exterior - Composite Metal Panel

Exterior - Wood-Look Metal

CEILING LEGEND
1/8" = 1'-0"



G1 LEVEL 2 RCP
1" = 20'-0"

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CONSULTANTS:

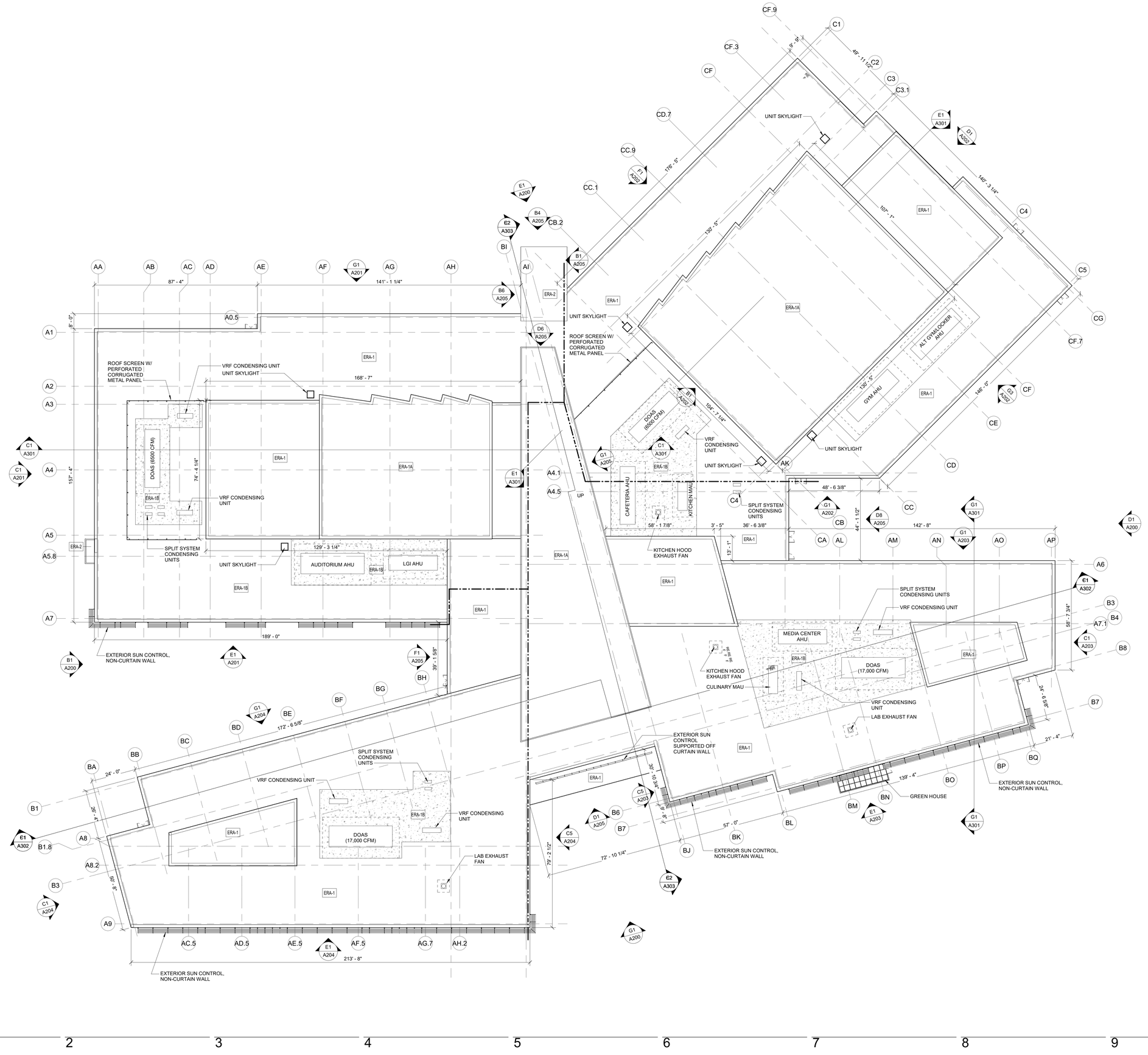
LEVEL 2 - REFLECTED CEILING PLAN

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	As indicated
DRAWN BY:	EW/JD
REVISIONS:	

SD MSBA SET

A132



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CONSULTANTS:

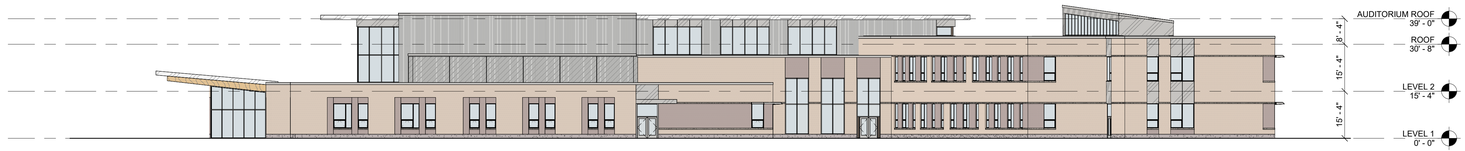
ROOF - OVERALL

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

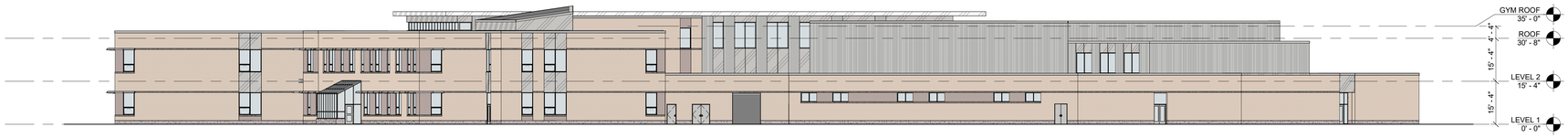
PROJ. NUMBER:	2206
DATE:	8/25/2023
SCAL E:	1" = 20'-0"
DRAWN BY:	YJ
REVISIONS:	

SD MSBA SET

A160

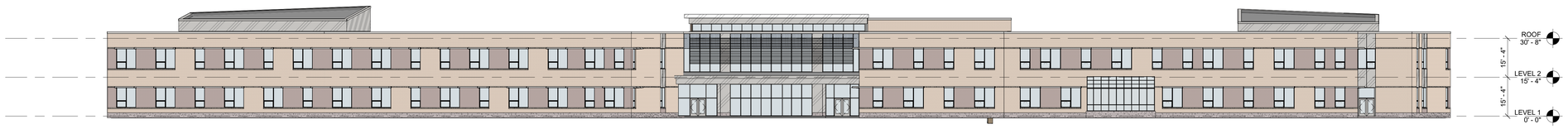


B1 OVERALL ELEVATION - WEST
SCALE: 1" = 20'-0"

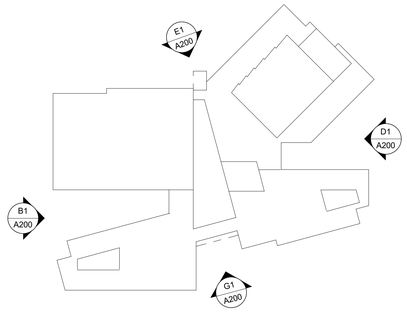


D1 OVERALL ELEVATION - EAST
SCALE: 1" = 20'-0"

E1 OVERALL ELEVATION - NORTH
SCALE: 1" = 20'-0"



G1 OVERALL ELEVATION - SOUTH
SCALE: 1" = 20'-0"



KEY PLAN
1" = 100'-0"

EXTERIOR MATERIAL LEGEND

- S13 - BRICK VENEER WITH METAL STUD BACKUP
- S13a - RECESSED ACCENT BRICK VENEER WITH METAL STUD BACKUP
- STONE BASE WITH METAL STUD BACKUP
- STONE BASE WITH METAL STUD BACKUP
- S15 - CORRUGATED METAL PANEL WITH METAL STUD BACKUP
- S16 - COMPOSITE METAL PANEL (COLOR 1) WITH METAL STUD BACKUP
- S16 - COMPOSITE METAL PANEL (COLOR 2) WITH METAL STUD BACKUP
- S9 - ROOF MEMBRANE WITH METAL STUD BACKUP
- ROOF SCREEN WITH PERFORATED CORRUGATED METAL PANEL
- TEMPERED TRIPLE GLAZING VISION GLASS
- TEMPERED TRIPLE GLAZING SPANDREL GLASS
- WOOD-LOOK METAL CEILING / FASCIA

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S:

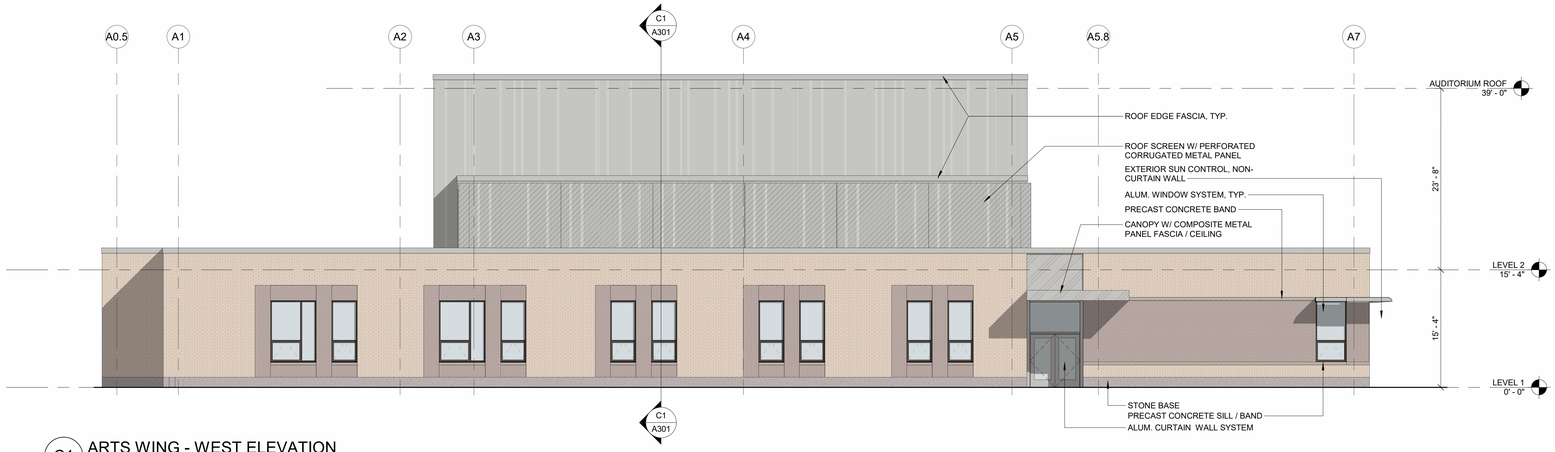
EXTERIOR ELEVATIONS - OVERALL

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

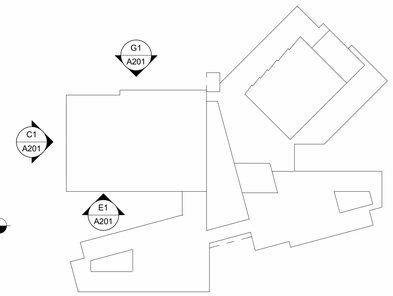
PROJ. NUMBER:	2206
DATE:	8/25/2023
SCAL E:	As indicated
DRAWN BY:	YJ
REVISIONS:	

SD MSBA SET

A200



C1 ARTS WING - WEST ELEVATION
SCALE: 1/8" = 1'-0"



KEY PLAN
1" = 100'-0"

EXTERIOR MATERIAL LEGEND

- S13 - BRICK VENEER WITH METAL STUD BACKUP
- S13a - RECESSED ACCENT BRICK VENEER WITH METAL STUD BACKUP
- STONE BASE WITH METAL STUD BACKUP
- STONE BASE WITH METAL STUD BACKUP
- S15 - CORRUGATED METAL PANEL WITH METAL STUD BACKUP
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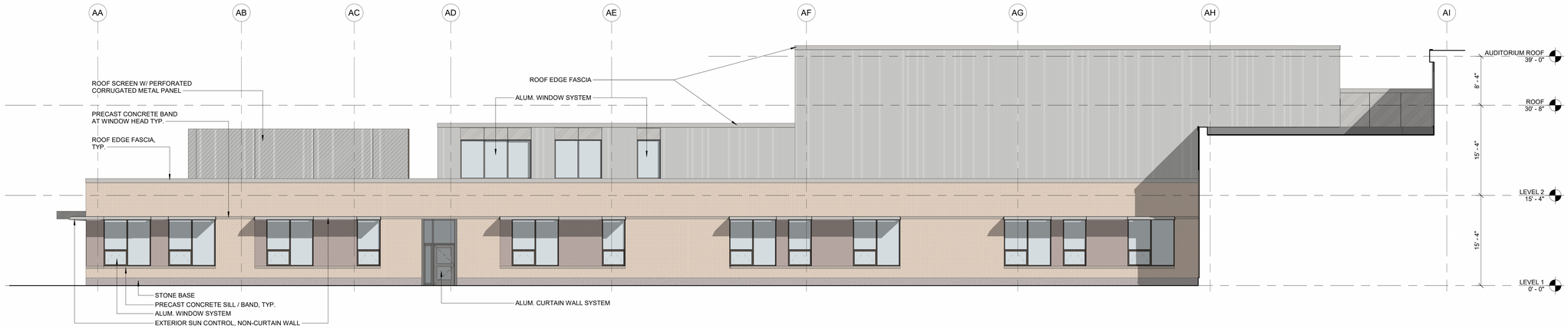
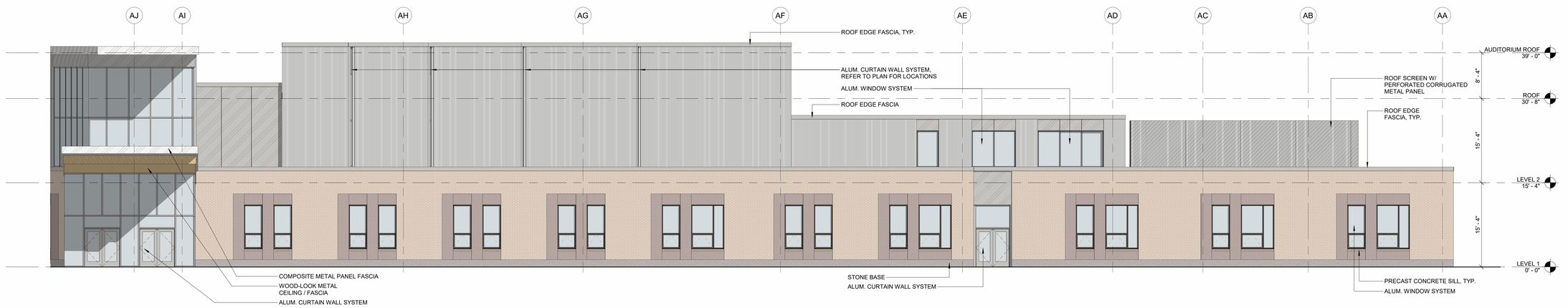
- S16 - COMPOSITE METAL PANEL (COLOR 2) WITH METAL STUD BACKUP
- S9 - ROOF MEMBRANE WITH METAL STUD BACKUP
- ROOF SCREEN WITH PERFORATED CORRUGATED METAL PANEL
- TEMPERED TRIPLE GLAZING VISION GLASS
- TEMPERED TRIPLE GLAZING SPANDREL GLASS
- WOOD-LOOK METAL CEILING / FASCIA



E1 ARTS WING - SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



G1 ARTS WING - NORTH ELEVATION
SCALE: 1/8" = 1'-0"

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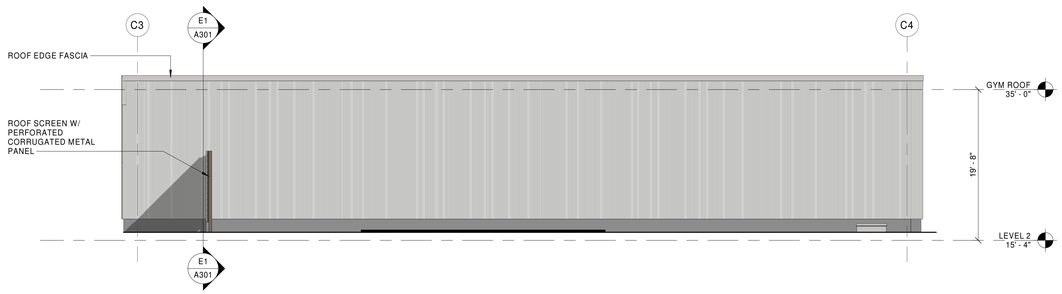
EXTERIOR ELEVATIONS - ARTS WING

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

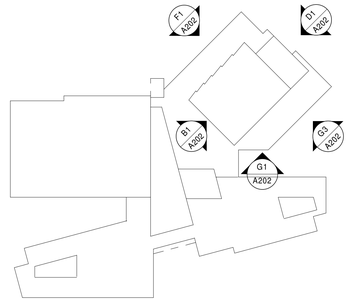
PROJ. NUMBER:	2206
DATE	8/25/2023
SCALE	As indicated
DRAWN BY:	YJ
REVISIONS:	

SD MSBA SET

A201



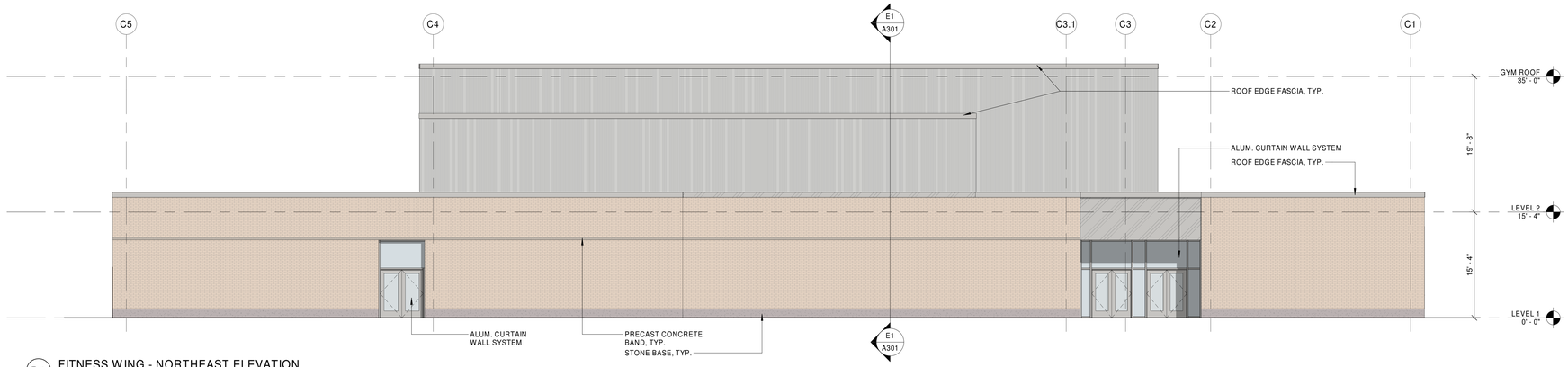
B1 FITNESS WING - GYM SOUTHWEST ELEVATION
1/8" = 1'-0"



KEY PLAN
1" = 100'-0"

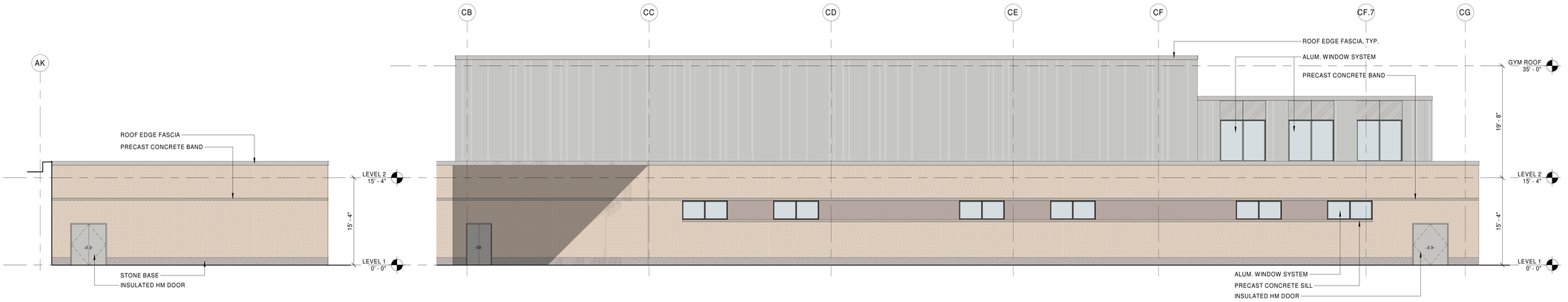
EXTERIOR MATERIAL LEGEND

- S13 - BRICK VENEER WITH METAL STUD BACKUP
- S13a - RECESSED ACCENT BRICK VENEER WITH METAL STUD BACKUP
- STONE BASE WITH METAL STUD BACKUP
- STONE BASE WITH METAL STUD BACKUP
- S15 - CORRUGATED METAL PANEL WITH METAL STUD BACKUP
- S16 - COMPOSITE METAL PANEL (COLOR 1) WITH METAL STUD BACKUP
- S16 - COMPOSITE METAL PANEL (COLOR 2) WITH METAL STUD BACKUP
- S9 - ROOF MEMBRANE WITH METAL STUD BACKUP
- ROOF SCREEN WITH PERFORATED CORRUGATED METAL PANEL
- TEMPERED TRIPLE GLAZING VISION GLASS
- TEMPERED TRIPLE GLAZING SPANDREL GLASS
- WOOD-LOOK METAL CEILING / FASCIA



D1 FITNESS WING - NORTHEAST ELEVATION
1/8" = 1'-0"

F1 FITNESS WING - NORTHWEST ELEVATION
1/8" = 1'-0"



G1 FITNESS WING - SOUTH ELEVATION
1/8" = 1'-0"

G3 FITNESS WING - SOUTHEAST ELEVATION
1/8" = 1'-0"

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CONSULTANTS:

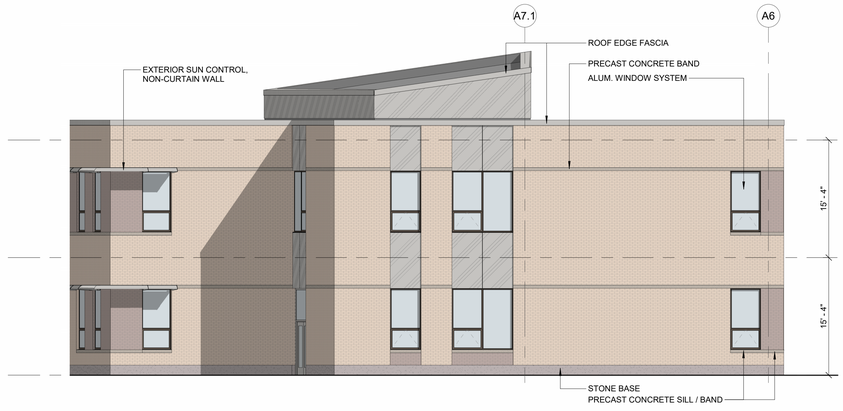
EXTERIOR ELEVATIONS - FITNESS WING

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

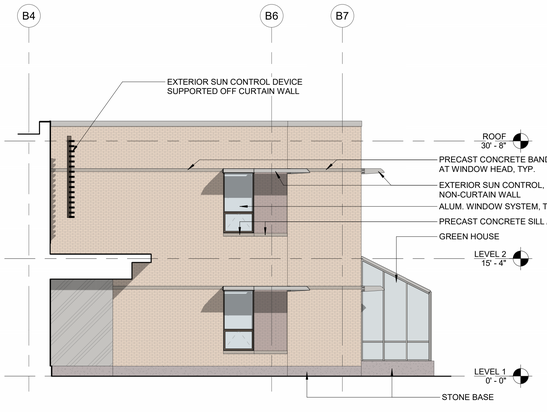
PROJ. NUMBER:	2206
DATE	8/25/2023
SCALE	As indicated
DRAWN BY:	YJ
REVISIONS:	

SD MSBA SET

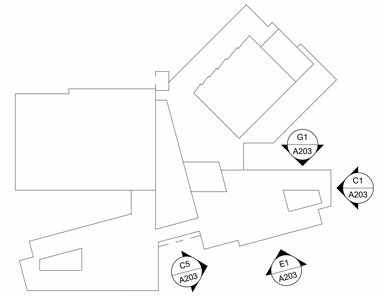
A202



C1 EAST CLASSROOM WING - EAST ELEVATION
1/8" = 1'-0"



C5 EAST CLASSROOM WING - WEST ELEVATION
1/8" = 1'-0"



KEY PLAN
1" = 100'-0"

EXTERIOR MATERIAL LEGEND

- S13 - BRICK VENEER WITH METAL STUD BACKUP
- S13a - RECESSED ACCENT BRICK VENEER WITH METAL STUD BACKUP
- STONE BASE WITH METAL STUD BACKUP
- STONE BASE WITH METAL STUD BACKUP
- S15 - CORRUGATED METAL PANEL WITH METAL STUD BACKUP
- S16 - COMPOSITE METAL PANEL (COLOR 1) WITH METAL STUD BACKUP
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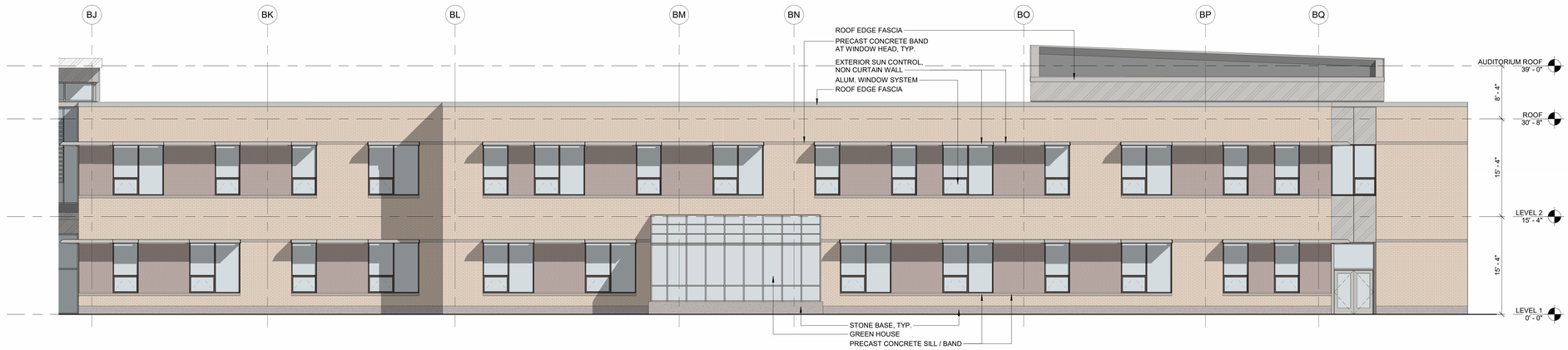
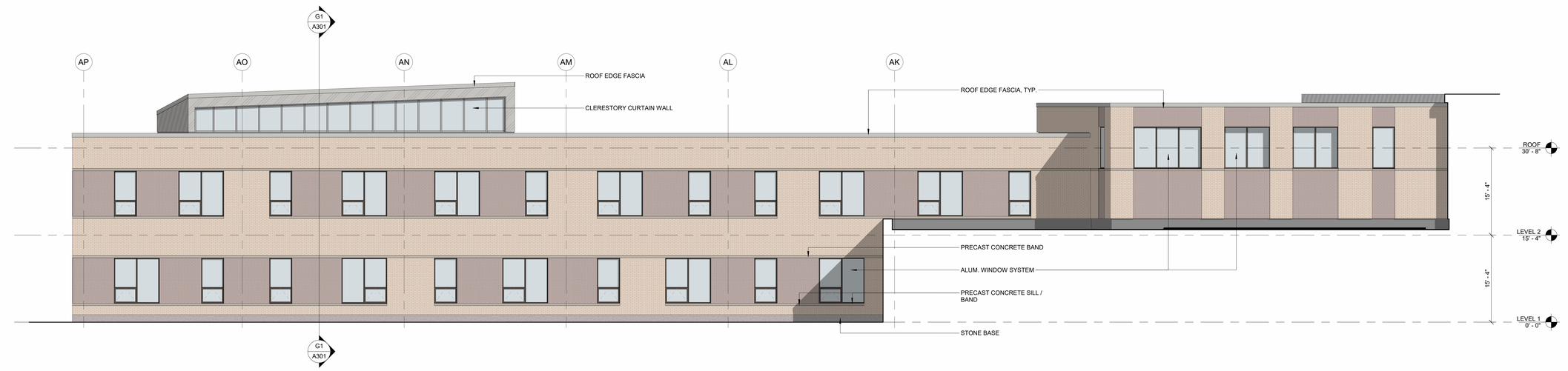
- S9 - ROOF MEMBRANE WITH METAL STUD BACKUP
- ROOF SCREEN WITH PERFORATED CORRUGATED METAL PANEL
- TEMPERED TRIPLE GLAZING VISION GLASS
- TEMPERED TRIPLE GLAZING SPANDREL GLASS
- WOOD-LOOK METAL CEILING / FASCIA



E1 EAST CLASSROOM WING - SOUTH ELEVATION
1/8" = 1'-0"



G1 EAST CLASSROOM WING - NORTH ELEVATION
1/8" = 1'-0"

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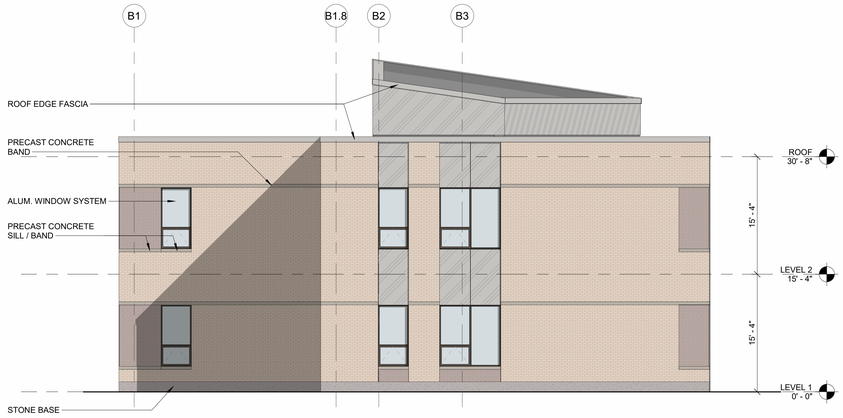
EXTERIOR ELEVATIONS - EAST CLASSROOM WING

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

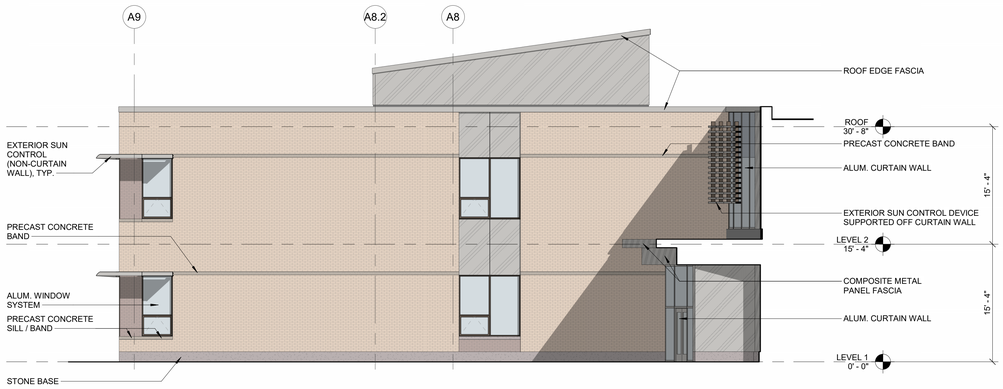
PROJ. NUMBER:	2206
DATE	8/25/2023
SCALE	As indicated
DRAWN BY:	YJ
REVISIONS:	

SD MSBA SET

A203



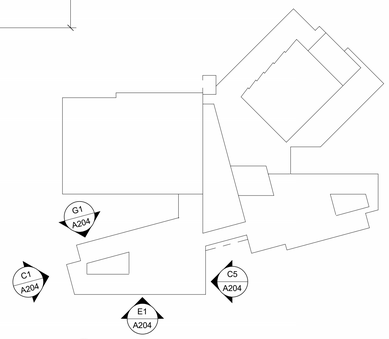
C1 WEST CLASSROOM WING - WEST ELEVATION
1/8" = 1'-0"



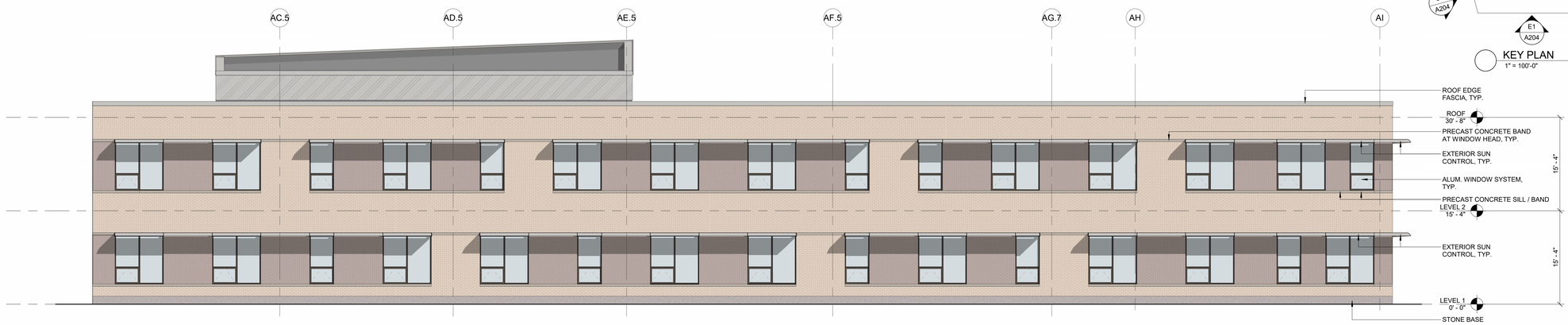
C5 WEST CLASSROOM WING - EAST ELEVATION
1/8" = 1'-0"

EXTERIOR MATERIAL LEGEND

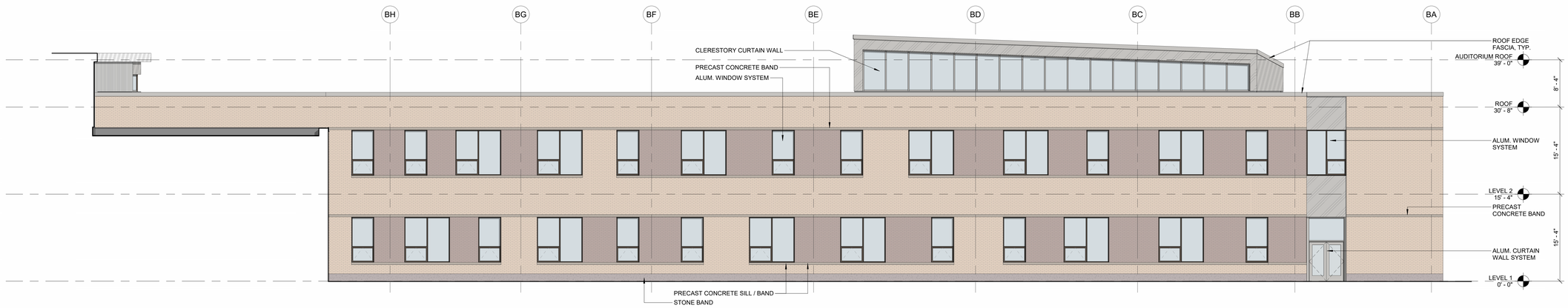
- S13 - BRICK VENEER WITH METAL STUD BACKUP
- S13a - RECESSED ACCENT BRICK VENEER WITH METAL STUD BACKUP
- STONE BASE WITH METAL STUD BACKUP
- STONE BASE WITH METAL STUD BACKUP
- S15 - CORRUGATED METAL PANEL WITH METAL STUD BACKUP
- S16 - COMPOSITE METAL PANEL (COLOR 1) WITH METAL STUD BACKUP
- S16 - COMPOSITE METAL PANEL (COLOR 2) WITH METAL STUD BACKUP
- S9 - ROOF MEMBRANE WITH METAL STUD BACKUP
- ROOF SCREEN WITH PERFORATED CORRUGATED METAL PANEL
- TEMPERED TRIPLE GLAZING VISION GLASS
- TEMPERED TRIPLE GLAZING SPANDREL GLASS
- WOOD-LOOK METAL CEILING / FASCIA



KEY PLAN
1" = 100'-0"



E1 WEST CLASSROOM WING - SOUTH ELEVATION
1/8" = 1'-0"



G1 WEST CLASSROOM WING - NORTH ELEVATION
1/8" = 1'-0"

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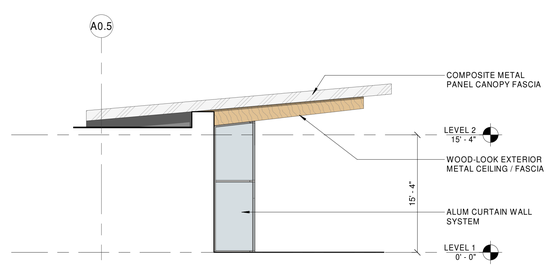
EXTERIOR ELEVATIONS - WEST CLASSROOM WING

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

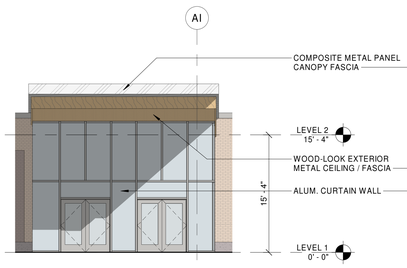
PROJ. NUMBER:	2206
DATE	8/25/2023
SCALE	As indicated
DRAWN BY:	YJ
REVISIONS:	

SD MSBA SET

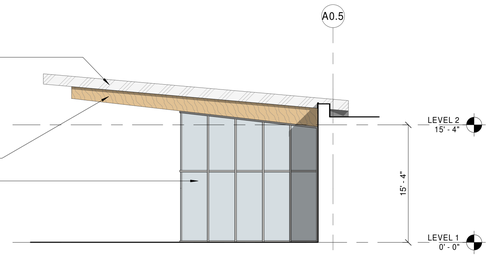
A204



B1 MAIN ENTRY - EAST ELEVATION
1/8" = 1'-0"



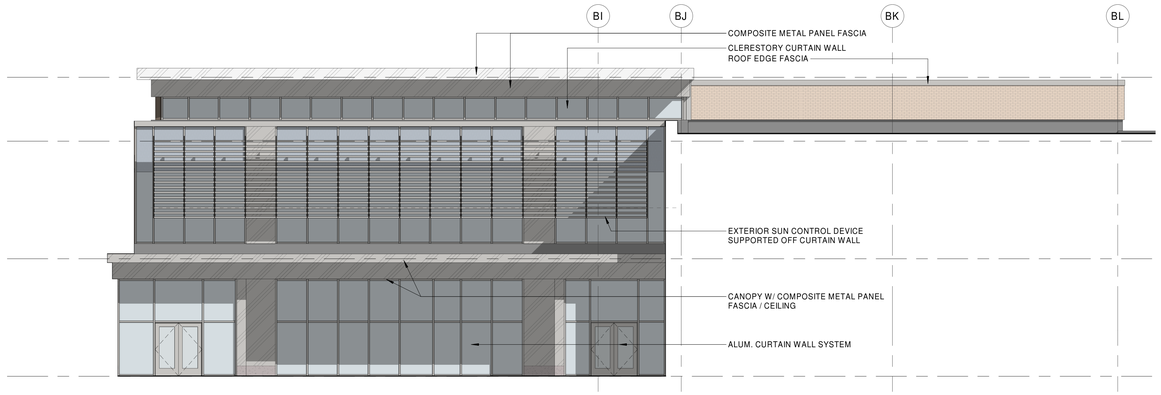
B4 MAIN ENTRY - NORTH ELEVATION
1/8" = 1'-0"



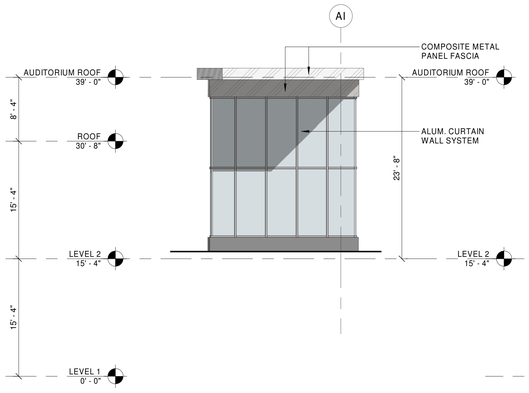
B6 MAIN ENTRY - WEST ELEVATION
1/8" = 1'-0"

EXTERIOR MATERIAL LEGEND

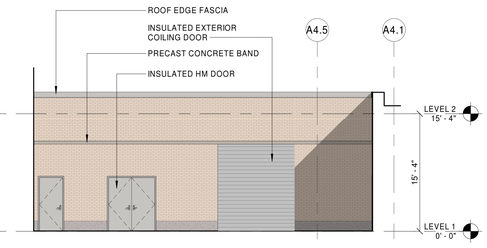
- S13 - BRICK VENEER WITH METAL STUD BACKUP
- S13a - RECESSED ACCENT BRICK VENEER WITH METAL STUD BACKUP
- STONE BASE WITH METAL STUD BACKUP
- STONE BASE WITH METAL STUD BACKUP
- S15 - CORRUGATED METAL PANEL WITH METAL STUD BACKUP
- S16 - COMPOSITE METAL PANEL (COLOR 1) WITH METAL STUD BACKUP
- S16 - COMPOSITE METAL PANEL (COLOR 2) WITH METAL STUD BACKUP
- S9 - ROOF MEMBRANE WITH METAL STUD BACKUP
- ROOF SCREEN WITH PERFORATED CORRUGATED METAL PANEL
- TEMPERED TRIPLE GLAZING VISION GLASS
- TEMPERED TRIPLE GLAZING SPANDREL GLASS
- WOOD-LOOK METAL CEILING / FASCIA



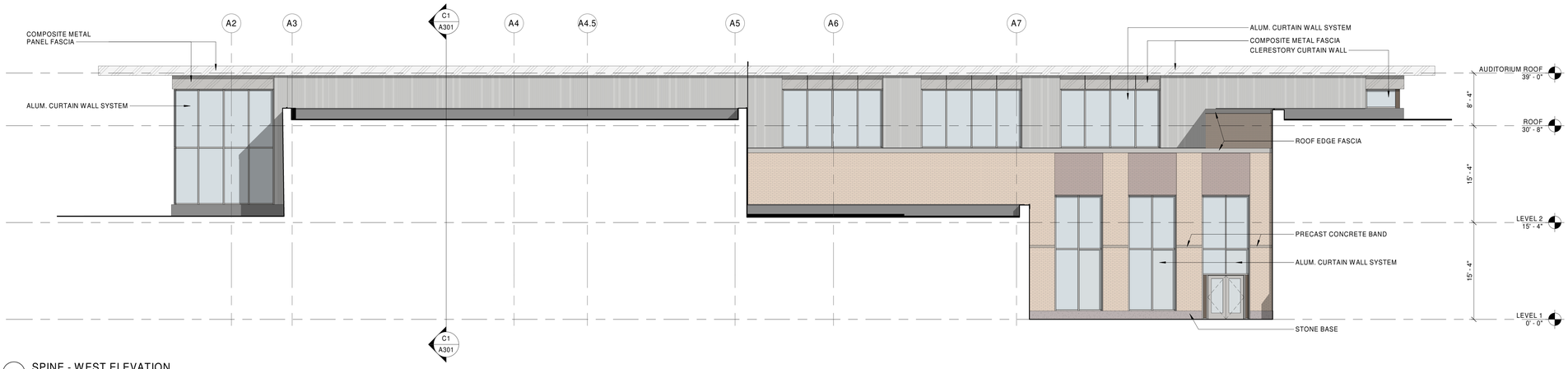
D1 SPINE - SOUTH ELEVATION
1/8" = 1'-0"



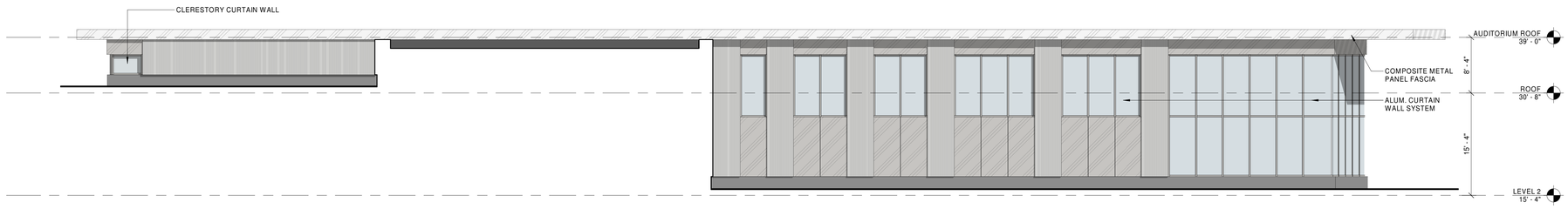
D6 SPINE - NORTH ELEVATION
1/8" = 1'-0"



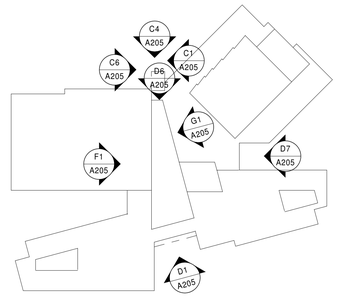
D8 SPINE - LOADING DOCK ELEVATION
1/8" = 1'-0"



F1 SPINE - WEST ELEVATION
1/8" = 1'-0"



G1 SPINE - EAST ELEVATION
1/8" = 1'-0"



KEY PLAN
1" = 100'-0"

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CONSULTANT
S:

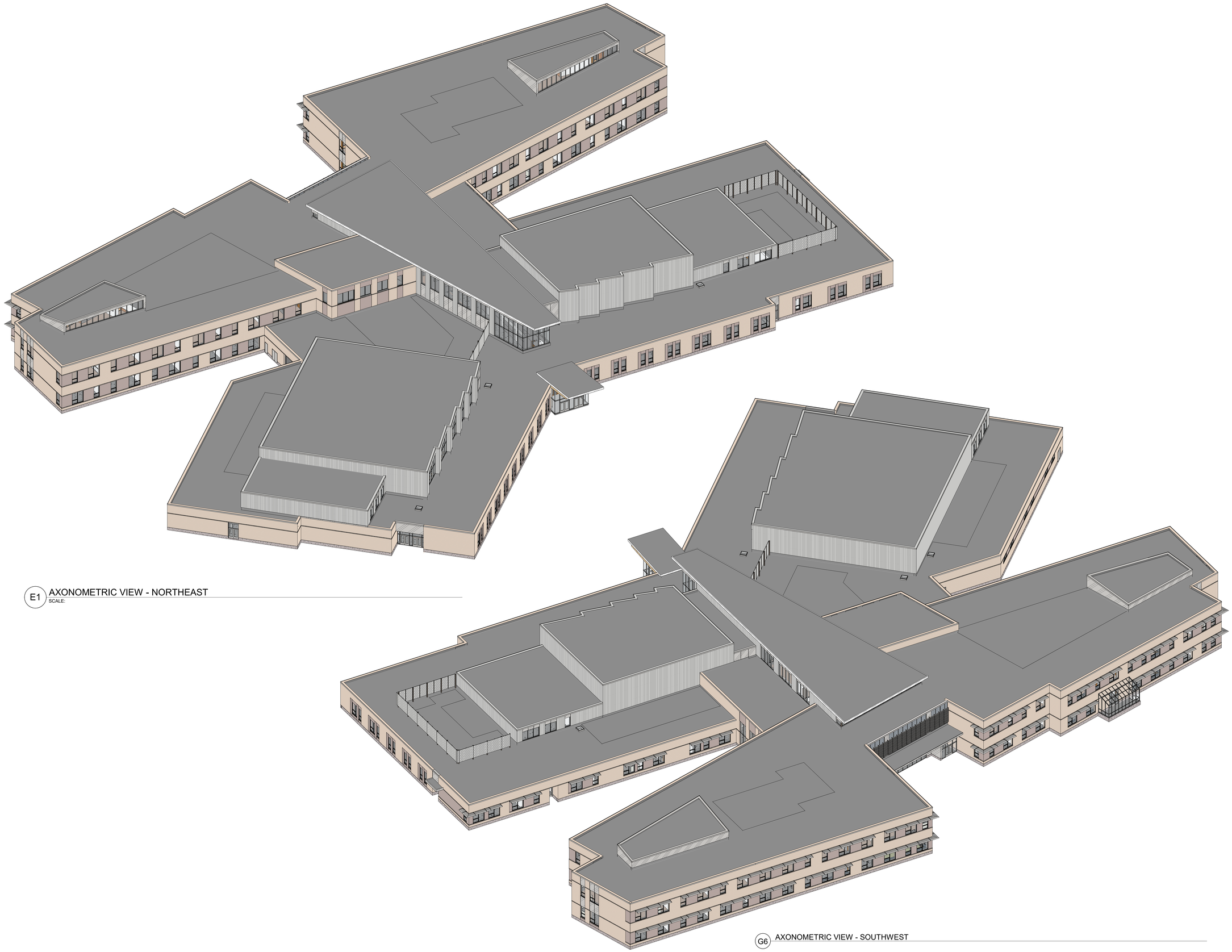
EXTERIOR ELEVATIONS - SPINE

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE	8/25/2023
SCAL	As indicated
DRAWN BY	YJ
REVISIONS:	

SD MSBA SET

A205



E1 AXONOMETRIC VIEW - NORTHEAST
SCALE:

G6 AXONOMETRIC VIEW - SOUTHWEST

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CONSULTANTS:

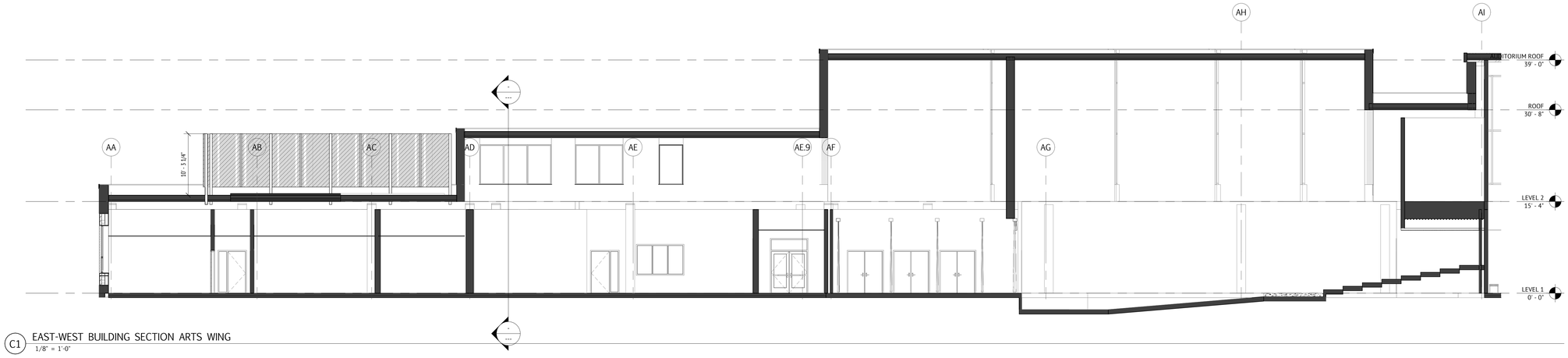
AXONOMETRIC VIEWS

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

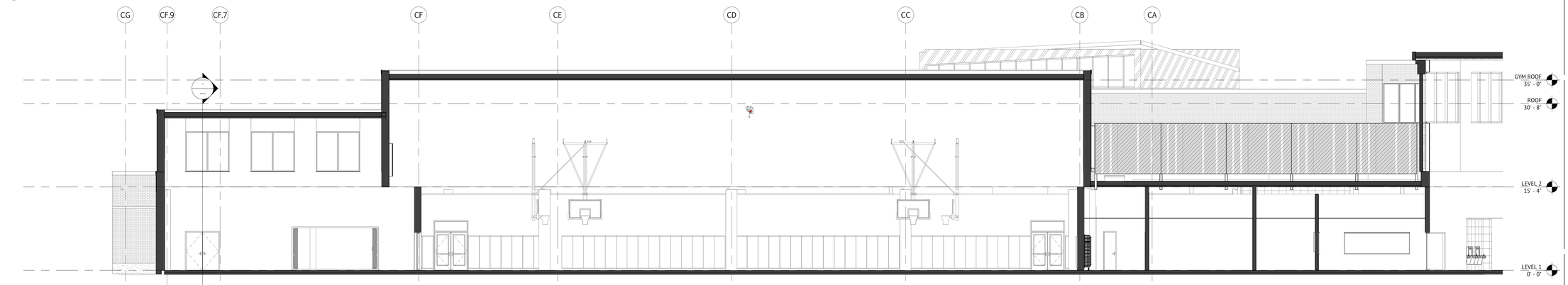
PROJ. NUMBER:	2206
DATE	8/25/2023
SCALE:	
DRAWN BY:	YJ
REVISIONS:	

SD MSBA SET

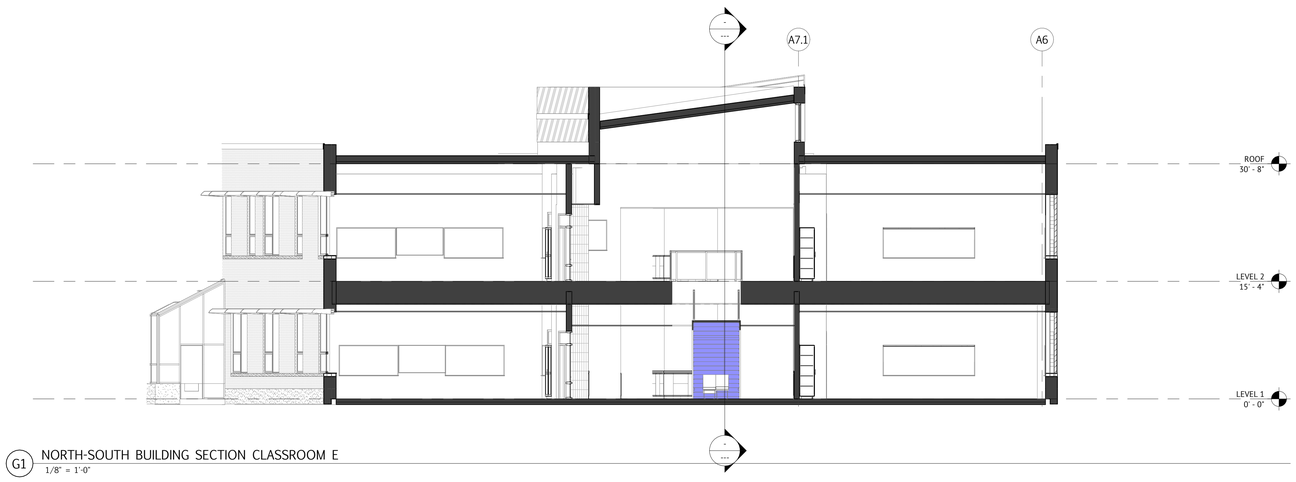
A210



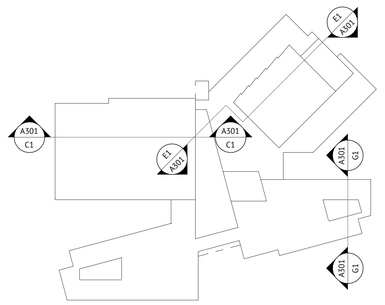
C1 EAST-WEST BUILDING SECTION ARTS WING
1/8" = 1'-0"



E1 BUILDING SECTION THROUGH FITNESS WING
1/8" = 1'-0"



G1 NORTH-SOUTH BUILDING SECTION CLASSROOM E
1/8" = 1'-0"



KEY PLAN
1" = 100'-0"

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CONSULTANTS:

BUILDING SECTIONS - ARTS, FITNESS, AND EAST CLASSROOM WINGS

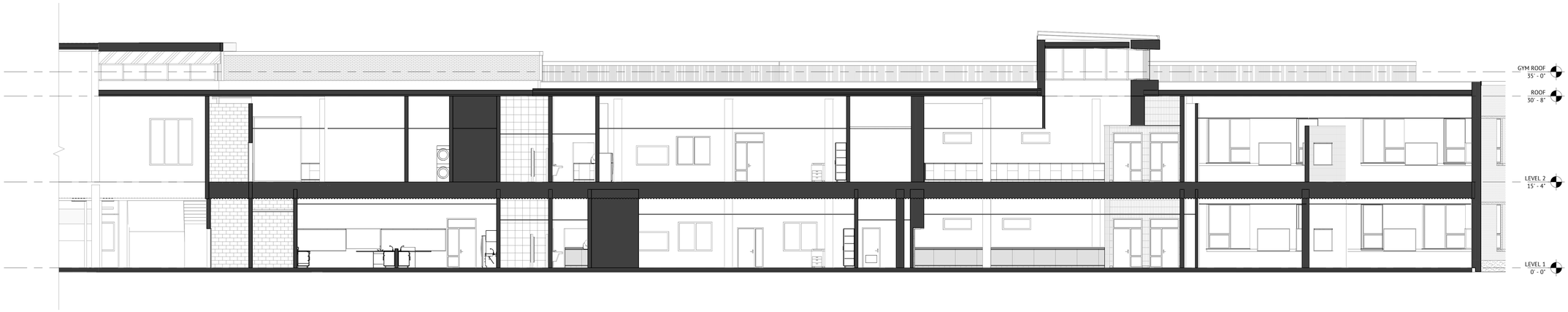
EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	As indicated
DRAWN BY:	HS
REVISIONS:	

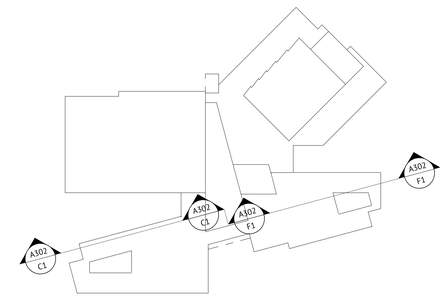
SD MSBA SET

A301

C1 BUILDING SECTION THROUGH CLASSROOM WINGS - WEST
1/8" = 1'-0"



F1 BUILDING SECTION THROUGH CLASSROOM WINGS - EAST
1/8" = 1'-0"



KEY PLAN
1" = 100'-0"

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CONSULTANTS:

BUILDING SECTIONS - EAST AND WEST CLASSROOM WINGS

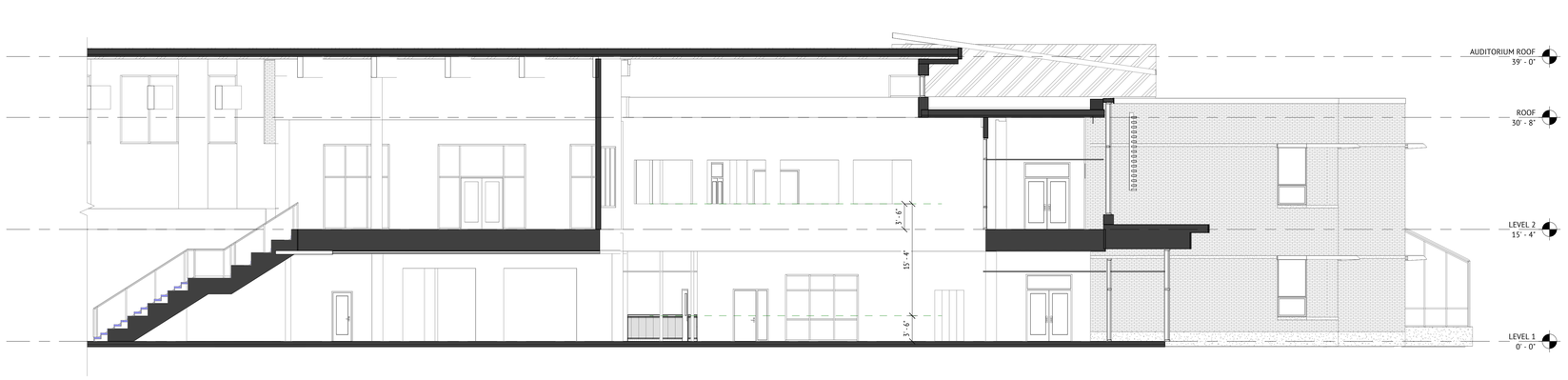
EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	As indicated
DRAWN BY:	HS
REVISIONS:	

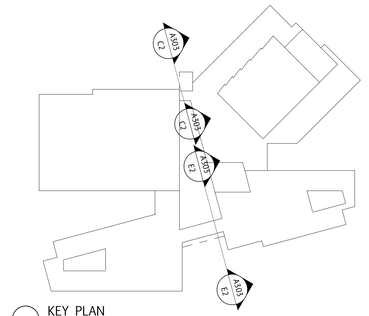
SD MSBA SET

A302

C2 NORTH-SOUTH BUILDING SECTION - NORTH
1/8" = 1'-0"



E2 NORTH-SOUTH BUILDING SECTION - SOUTH
1/8" = 1'-0"



KEY PLAN
1" = 100'-0"

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CONSULTANTS:

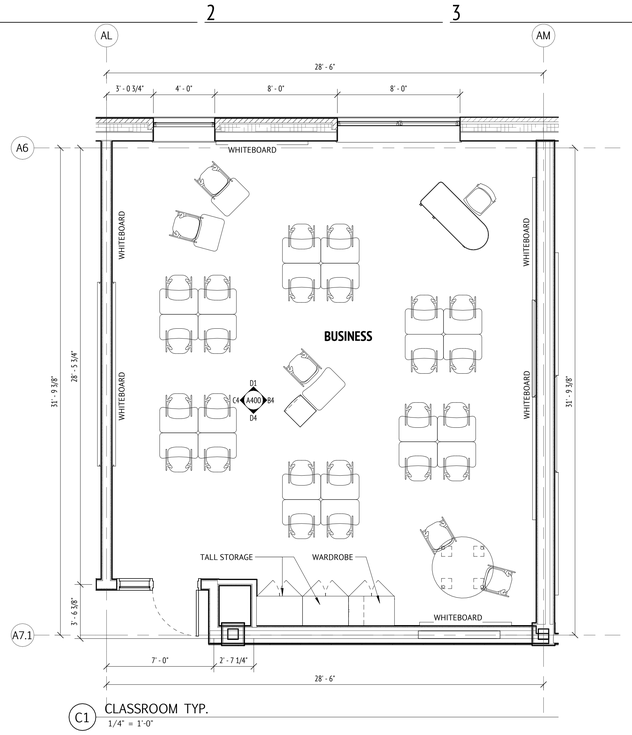
BUILDING SECTIONS - OVERALL

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

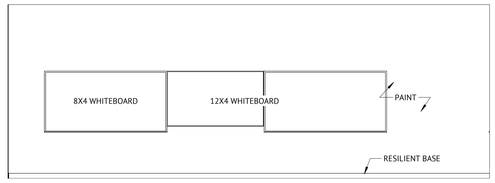
PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	As indicated
DRAWN BY:	HS
REVISIONS:	

SD MSBA
SET

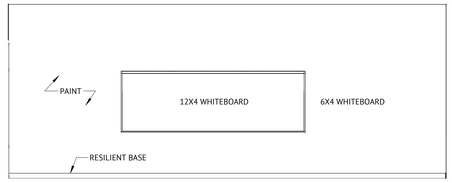
A303



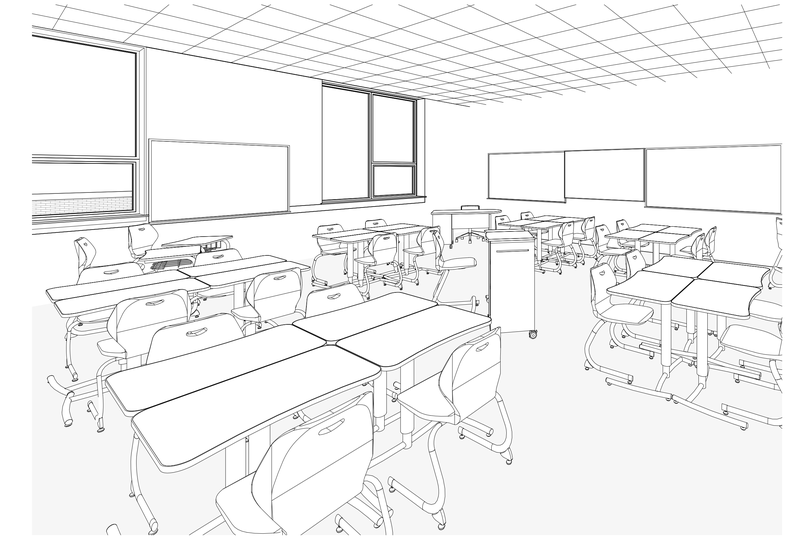
C1 CLASSROOM TYP.
1/4" = 1'-0"



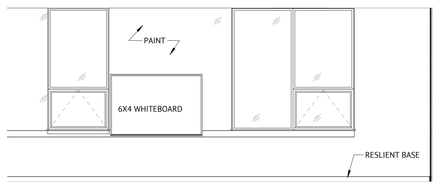
B4 CLASSROOM TYP. EAST
1/4" = 1'-0"



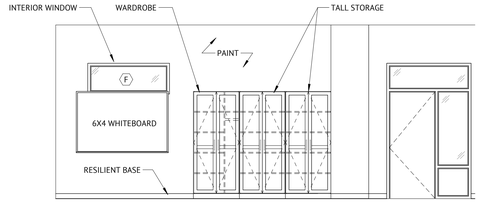
C4 CLASSROOM TYP. WEST
1/4" = 1'-0"



C6 CLASSROOM TYP. 3D VIEW



D1 CLASSROOM TYP. NORTH
1/4" = 1'-0"



D4 CLASSROOM TYP. SOUTH
1/4" = 1'-0"

SD INTERIOR DOOR SCHEDULE

Door: Width	Door: Height	Family and Type	Count	Comments
6' - 0"	7' - 0"	08 13 Double Door_HM_JWA: HM_6-0x7-0_Flush_No Transom	17	
6' - 0"	7' - 0"	08 13 Double Door_HM_JWA: HM_6-0x7-0_Full Lite	25	
6' - 0"	7' - 0"	08 13 Double Door_HM_JWA: HM_6-0x7-0_VP	5	
6' - 0"	7' - 0"	08 13 Double Doors_JWA: HM_6-0x7-0_Full Lite_WD_2-0 Transom	10	
		08 13 Folding wall_Not JWA_Solar Innovations: SI32350N	1	FOLDING GLASS WALL AT ALT PE
		08 13 Overhead Door, Coil_JWA: 10'x8'	2	SERVERY
3' - 0"	7' - 0"	08 13 Single Door_HM_JWA: HM_3-0x7-0_Flush	41	
2' - 6"	6' - 8"	08 13 Single Door_HM_JWA: HM_3-0x7-0_Louvered	1	SERVERY
3' - 0"	7' - 0"	08 13 Single Door_HM_JWA: HM_3-0x7-0_Vented	30	
3' - 0"	7' - 0"	08 13 Single Door_HM_JWA: HM_3-0x7-0_VP Wide	28	
		08 13 Single Doors w Sidelite_JWA: HM_3-0x7-0_Flush_1-6 Lite	87	
		08 13 Single Doors w Sidelite_JWA: HM_3-0x7-0_FLUSH_2-2 Lite w 1-6 Transom	59	
5' - 8 1/2"	7' - 0 1/4"	CW_Double Door_Paneled_JWA1: CW_Double Door_Full-lite_JWA	1	
2' - 10 5/8"	6' - 6 1/2"	CW_Single Door_JWA: CW_Full Lite	2	

SD INTERIOR WINDOW SCHEDULE

Type Mark	Rough Width	Rough Height	Family and Type	Count	Comments
A	6' - 0"	3' - 0"	08 50 Acoustic Sliding Window_JWA: 08 50 Acoustic Sliding Window_JWA	2	AUDITORIUM CONTROL ROOM
B	6' - 4"	5' - 2"	08 50 Interior Fixed Double_JWA: 6-4x5-2_double sm	41	
C	8' - 0"	5' - 2"	08 50 Interior Fixed Multiple_JWA: 8-0x5-2 - Triple med	6	
D	8' - 0"	8' - 4"	08 50 Interior Fixed Multiple_JWA: 8-0x8-4 - Triple med	4	
E	3' - 4"	5' - 2"	08 50 Interior Fixed Single_JWA: 3'-4" x 5'-2"	4	
F	5' - 4"	2' - 0"	08 50 Interior Fixed Single_JWA: 5'-4" x 2'-0"	45	
8	3' - 4"	8' - 0"	08 50 One Bay Window: 08 50 One Bay Window 40x96	5	
7	6' - 0"	8' - 0"	08 50 Two Bay Window: 08 50 Two Bay Window 72x96_LO	2	
G			08 Transaction Window_JWA: 4'x4'	3	TRANSACTION WINDOW

WHITEBOARD AND DISPLAY SCREEN SCHEDULE

Count	Description
91	Whiteboard 6x4
132	Whiteboard 8x4
66	Whiteboard 12x4
63	Flat Panel Display - 86" Diagonal

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CONSULTANTS:

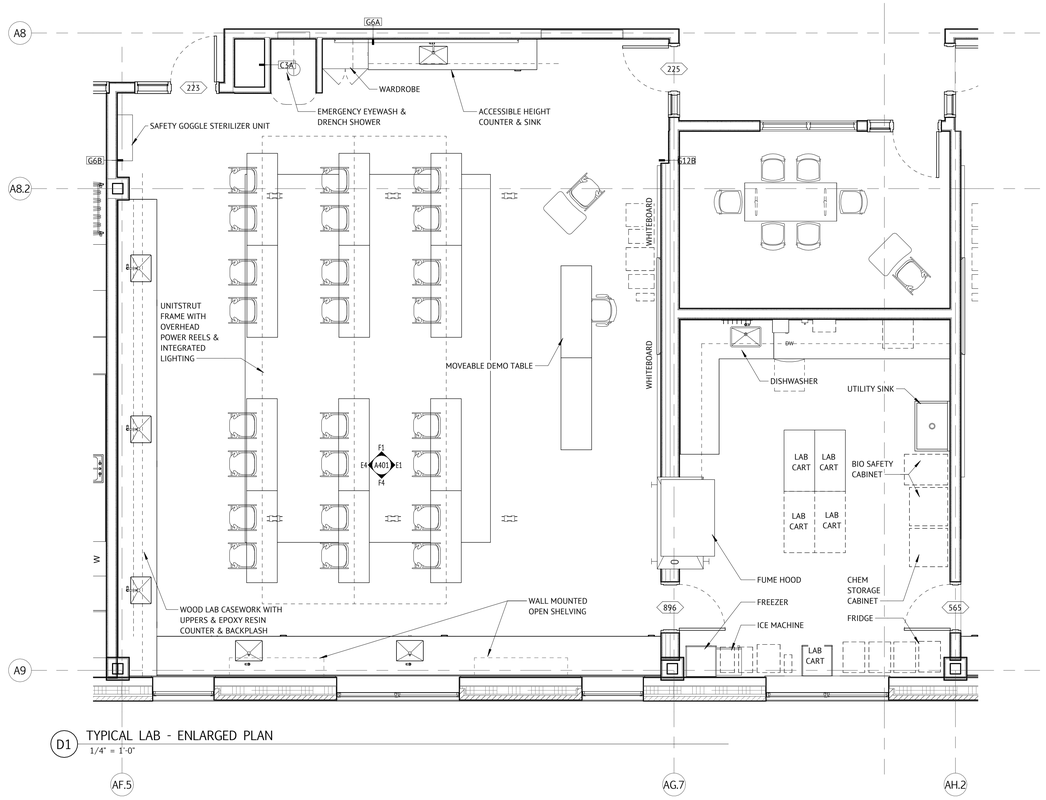
TYPICAL CLASSROOM & INTERIOR SCHEDULES

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

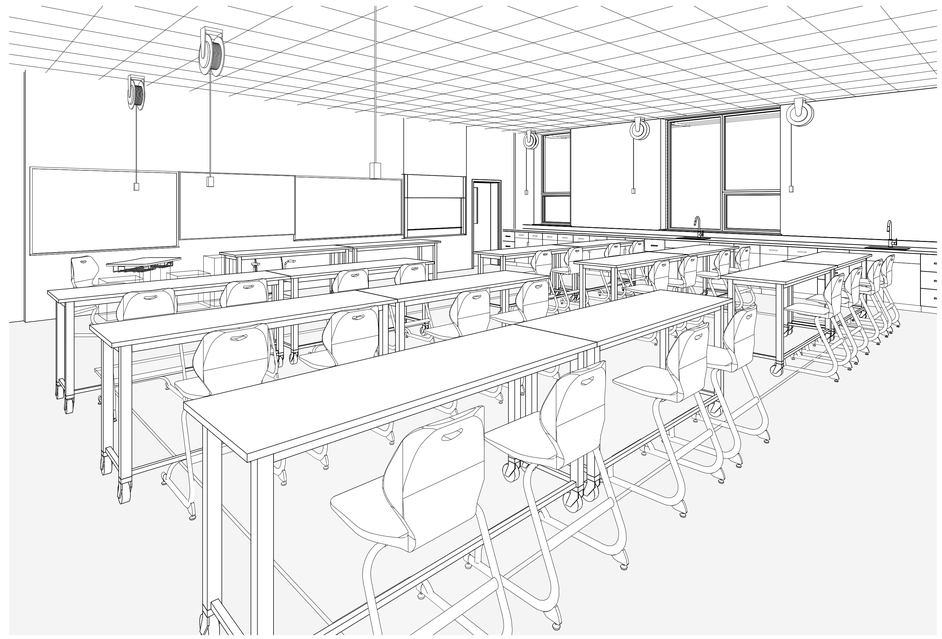
PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	1/4" = 1'-0"
DRAWN BY:	JD
REVISIONS:	

SD MSBA SET

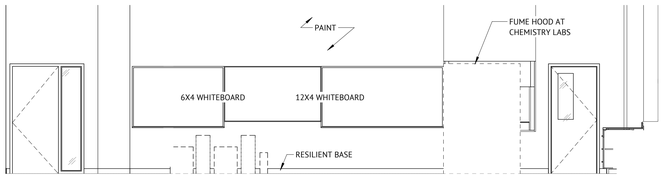
A400



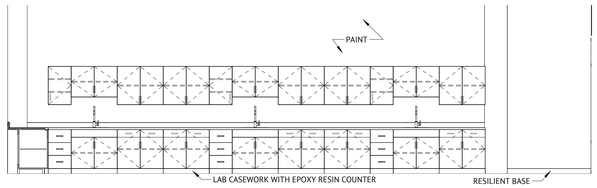
D1 TYPICAL LAB - ENLARGED PLAN
1/4" = 1'-0"



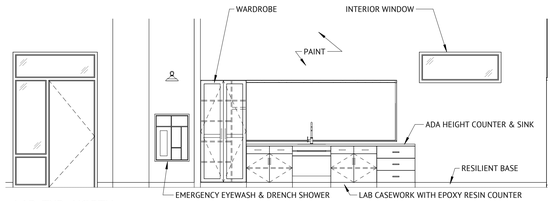
D6 LAB TYP. 3D VIEW



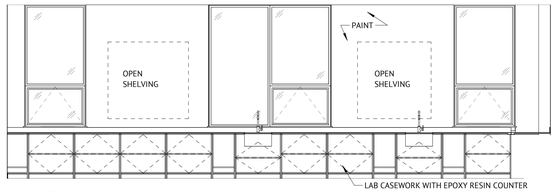
E1 LAB TYP. EAST
1/4" = 1'-0"



E4 LAB TYP. WEST
1/4" = 1'-0"



F1 LAB TYP. NORTH
1/4" = 1'-0"



F4 LAB TYP. SOUTH
1/4" = 1'-0"

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CONSULTANTS:

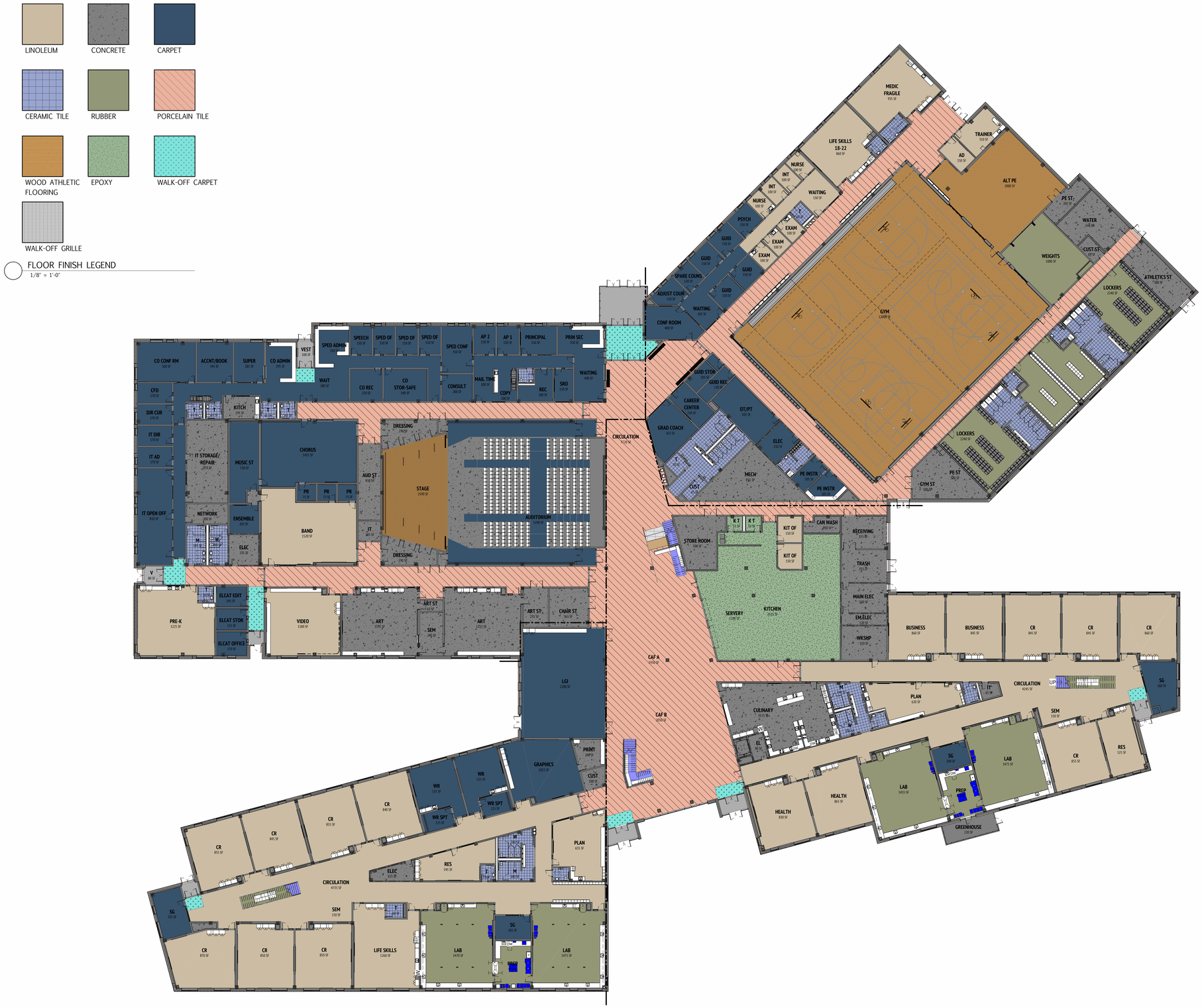
TYPICAL LAB CLASSROOM

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	1/4" = 1'-0"
DRAWN BY:	JD
REVISIONS:	

SD MSBA SET

A401



G2 LEVEL 1 - FLOOR FINISH PLAN
1" = 20'-0"

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CONSULTANTS:

LEVEL 1 - FLOOR FINISH PLAN

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	As indicated
DRAWN BY:	HS
REVISIONS:	

SD MSBA SET

A700

FLOOR FINISH LEGEND
1/8" = 1'-0"

G1 LEVEL 2 - FLOOR FINISH PLAN
1" = 20'-0"

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CONSULTANTS:

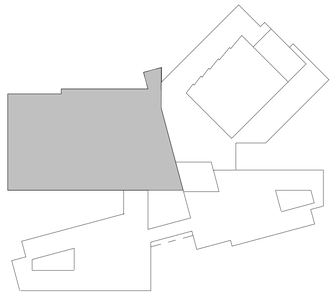
LEVEL 2 - FLOOR FINISH PLAN

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

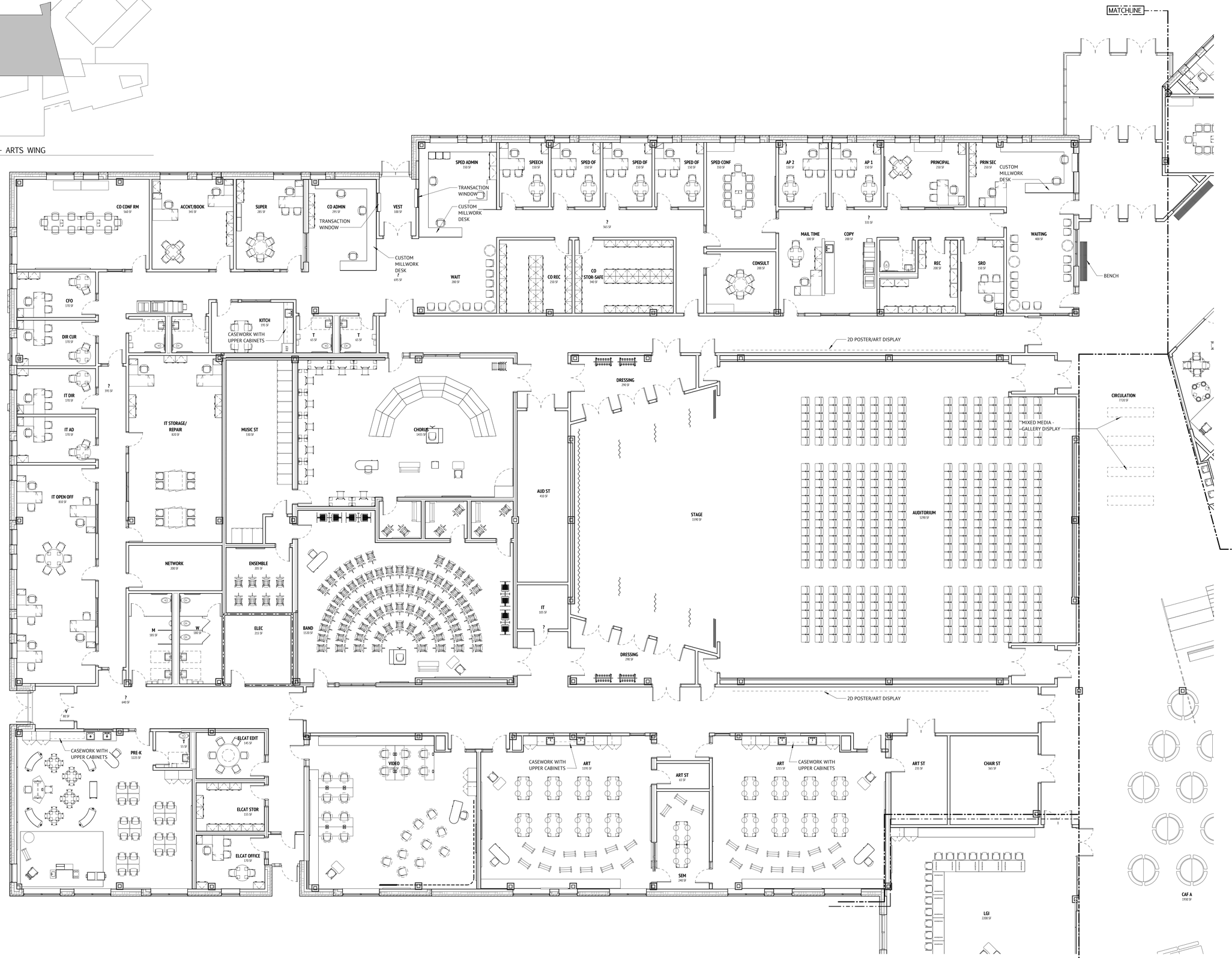
PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	As indicated
DRAWN BY:	HS
REVISIONS:	

SD MSBA SET

A701



KEY PLAN - ARTS WING
1" = 100'-0"



G1 LEVEL 1 - FURNITURE PLAN ARTS WING
1/8" = 1'-0"

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CONSULTANTS:

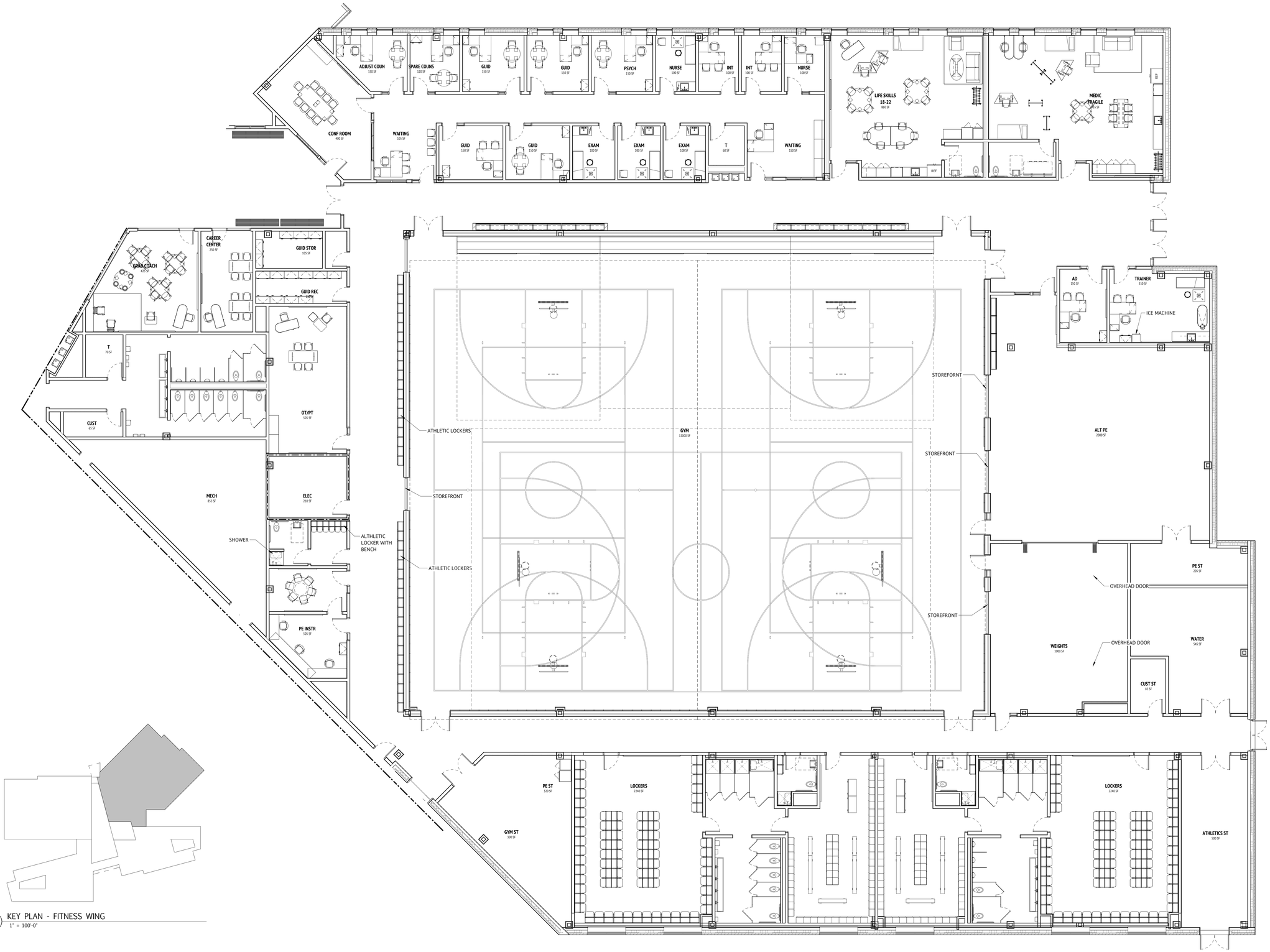
LEVEL 1 - FURNITURE PLAN - ARTS WING

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	As indicated
DRAWN BY:	HS/JD
REVISIONS:	

SD MSBA SET

A801.1



KEY PLAN - FITNESS WING
1" = 100'-0"

G1 LEVEL 1 - FURNITURE PLAN FITNESS WING
1/8" = 1'-0"

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CONSULTANTS:

LEVEL 1 - FURNITURE PLAN - FITNESS WING

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	As indicated
DRAWN BY:	HS/JD
REVISIONS:	

SD MSBA SET

A801.2

G1 LEVEL 1 - FURNITURE PLAN EAST CLASSROOM WING
1/8" = 1'-0"

KEY PLAN - CLASSROOM WING EAST
1" = 100'-0"

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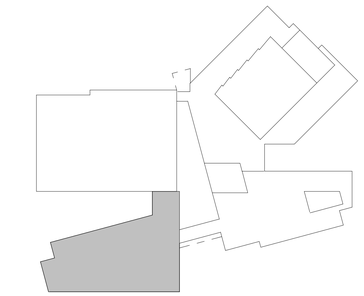
LEVEL 1- FURNITURE PLAN - EAST CLASSROOM WING

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

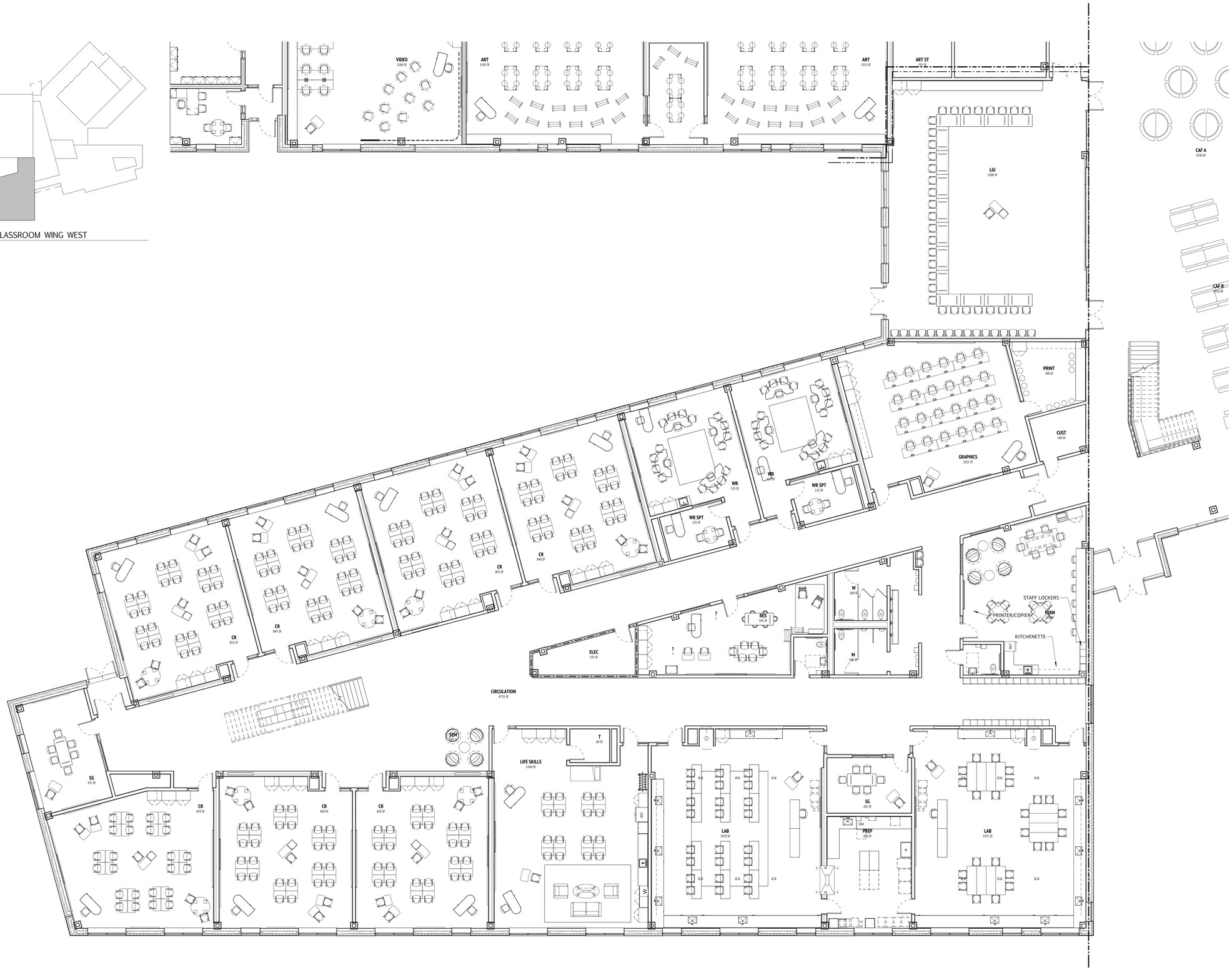
PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	As indicated
DRAWN BY:	HS/JD
REVISIONS:	

SD MSBA SET

A801.3



KEY PLAN - CLASSROOM WING WEST
1" = 100'-0"



G1 LEVEL 1 - FURNITURE PLAN WEST CLASSROOM WING
1/8" = 1'-0"

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180 MAPLE STREET
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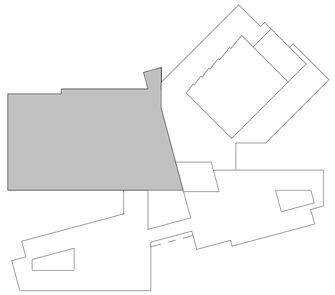
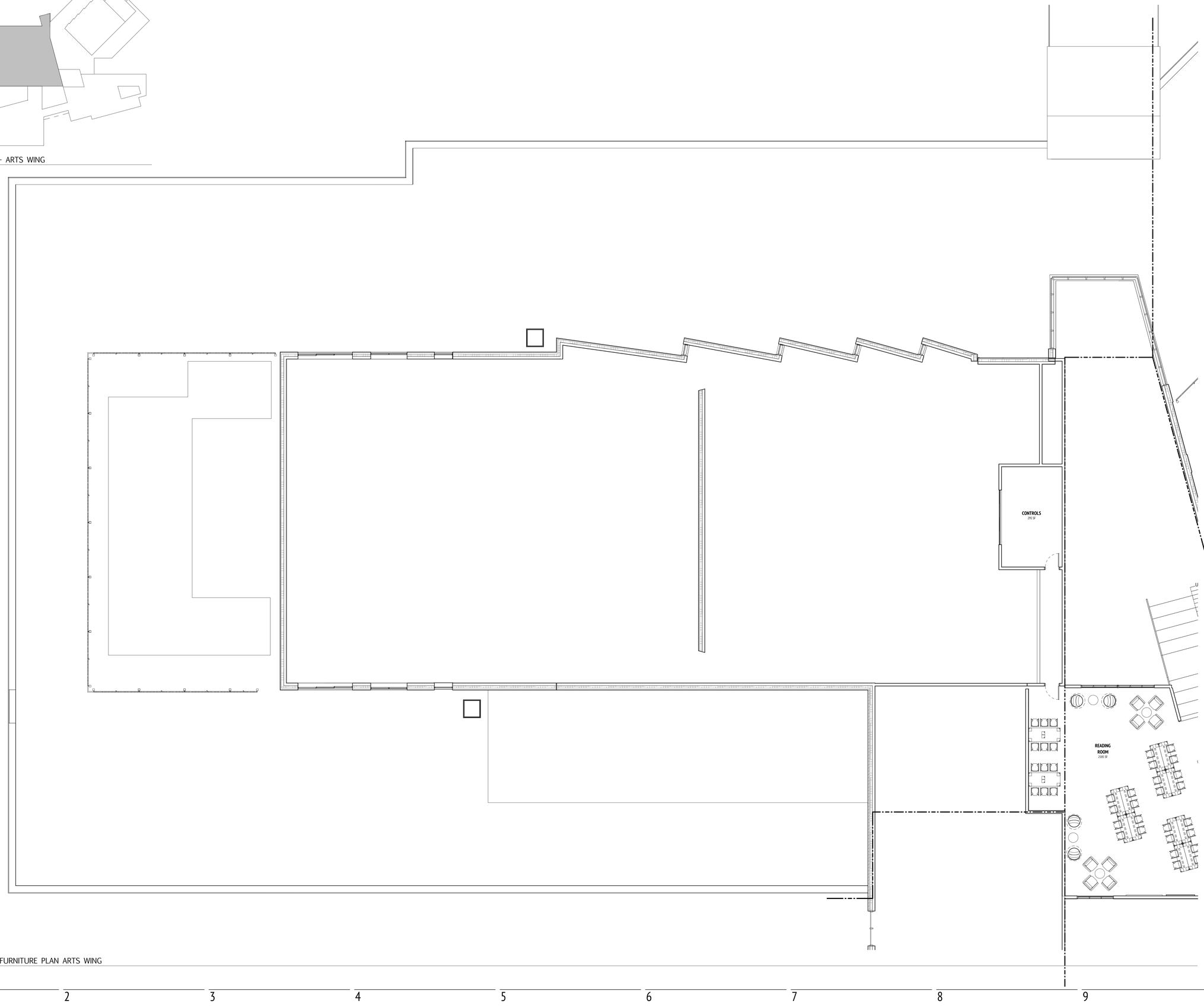
PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	As indicated
DRAWN BY:	HS,JD
REVISIONS:	

SD MSBA SET

A801.4



KEY PLAN - ARTS WING
1" = 100'-0"



G1 LEVEL 2 - FURNITURE PLAN ARTS WING
1/8" = 1'-0"

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LEVEL 2 - FURNITURE PLAN - ARTS WING

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180 MAPLE STREET
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PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	As indicated
DRAWN BY:	HS/JD
REVISIONS:	

SD MSBA SET

A802.1

G1 LEVEL 2 - FURNITURE PLAN EAST CLASSROOM WING
1/8" = 1'-0"

KEY PLAN - CLASSROOM WING EAST
1" = 100'-0"

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CONSULTANTS:

LEVEL 2 - FURNITURE PLAN - EAST CLASSROOM WING

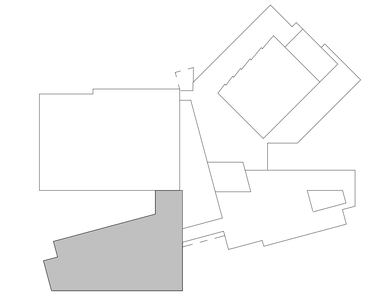
EAST LONGMEADOW HIGH SCHOOL

180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	8/25/2023
SCALE:	As indicated
DRAWN BY:	HS/JD
REVISIONS:	

SD MSBA SET

A802.2



KEY PLAN - CLASSROOM WING WEST
1" = 100'-0"

G1 LEVEL 2 - FURNITURE PLAN WEST CLASSROOM WING
1/8" = 1'-0"

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CONSULTANTS:

LEVEL 2 - FURNITURE PLAN - WEST CLASSROOM WING

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180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
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SCALE:	As indicated
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REVISIONS:	

SD MSBA SET

A802.3

LEGEND:

BF
ABOVE INDICATES BRACED FRAME ABOVE

NOTES:

1. ALLOWABLE SOIL BEARING CAPACITY ASSUMED TO BE 4000 PSF
2. BOTTOM OF EXTERIOR FOOTINGS TO BE 4'-0" BELOW EXTERIOR GRADE
3. TOP OF INTERIOR FOOTINGS TO BE 1'-0" BELOW TOP OF SLAB ON GRADE

FOOTING SCHEDULE

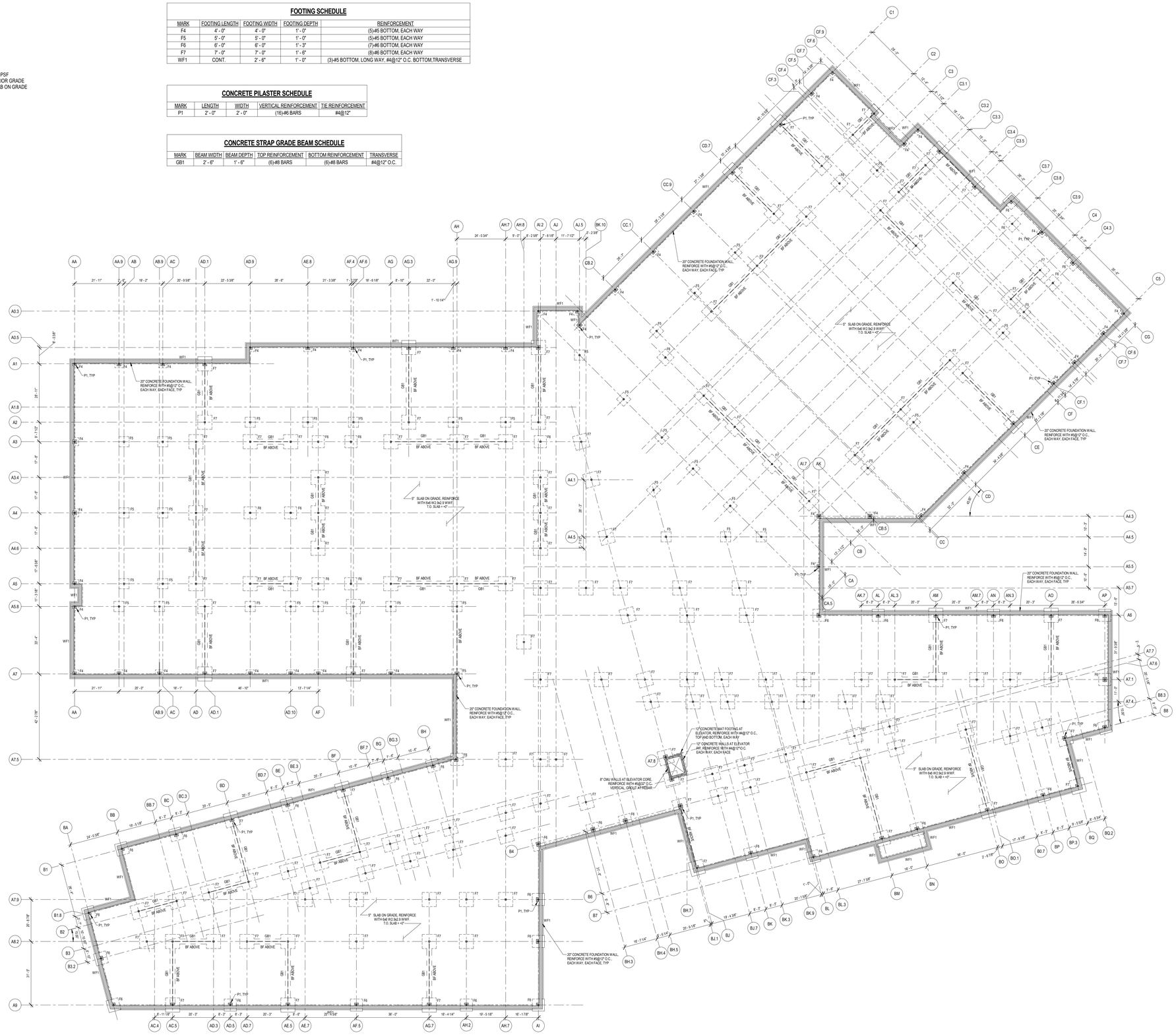
MARK	FOOTING LENGTH	FOOTING WIDTH	FOOTING DEPTH	REINFORCEMENT
F4	4' - 0"	4' - 0"	1' - 0"	(5)-#5 BOTTOM, EACH WAY
F5	5' - 0"	5' - 0"	1' - 0"	(5)-#5 BOTTOM, EACH WAY
F6	6' - 0"	6' - 0"	1' - 3"	(7)-#6 BOTTOM, EACH WAY
F7	7' - 0"	7' - 0"	1' - 6"	(8)-#6 BOTTOM, EACH WAY
WF1	CONT.	2' - 6"	1' - 0"	(3)-#5 BOTTOM, LONG WAY, #4@12" O.C. BOTTOM,TRANSVERSE

CONCRETE PILASTER SCHEDULE

MARK	LENGTH	WIDTH	VERTICAL REINFORCEMENT	TIE REINFORCEMENT
P1	2' - 0"	2' - 0"	(16)-#6 BARS	#4@12"

CONCRETE STRAP GRADE BEAM SCHEDULE

MARK	BEAM WIDTH	BEAM DEPTH	TOP REINFORCEMENT	BOTTOM REINFORCEMENT	TRANSVERSE
GB1	2' - 6"	1' - 6"	(6)-#8 BARS	(6)-#8 BARS	#4@12" O.C.



FOUNDATION PLAN - OVERALL
1" = 20'-0" (1)

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FAX: (617) 926-9301
www.rseassociates.com

FOUNDATION PLAN - OVERALL

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	7/11/2023
SCALE:	1" = 20'-0"
DRAWN BY:	AB, GC, ES
REVISIONS:	

SD MSBA SET

S100

LEGEND:

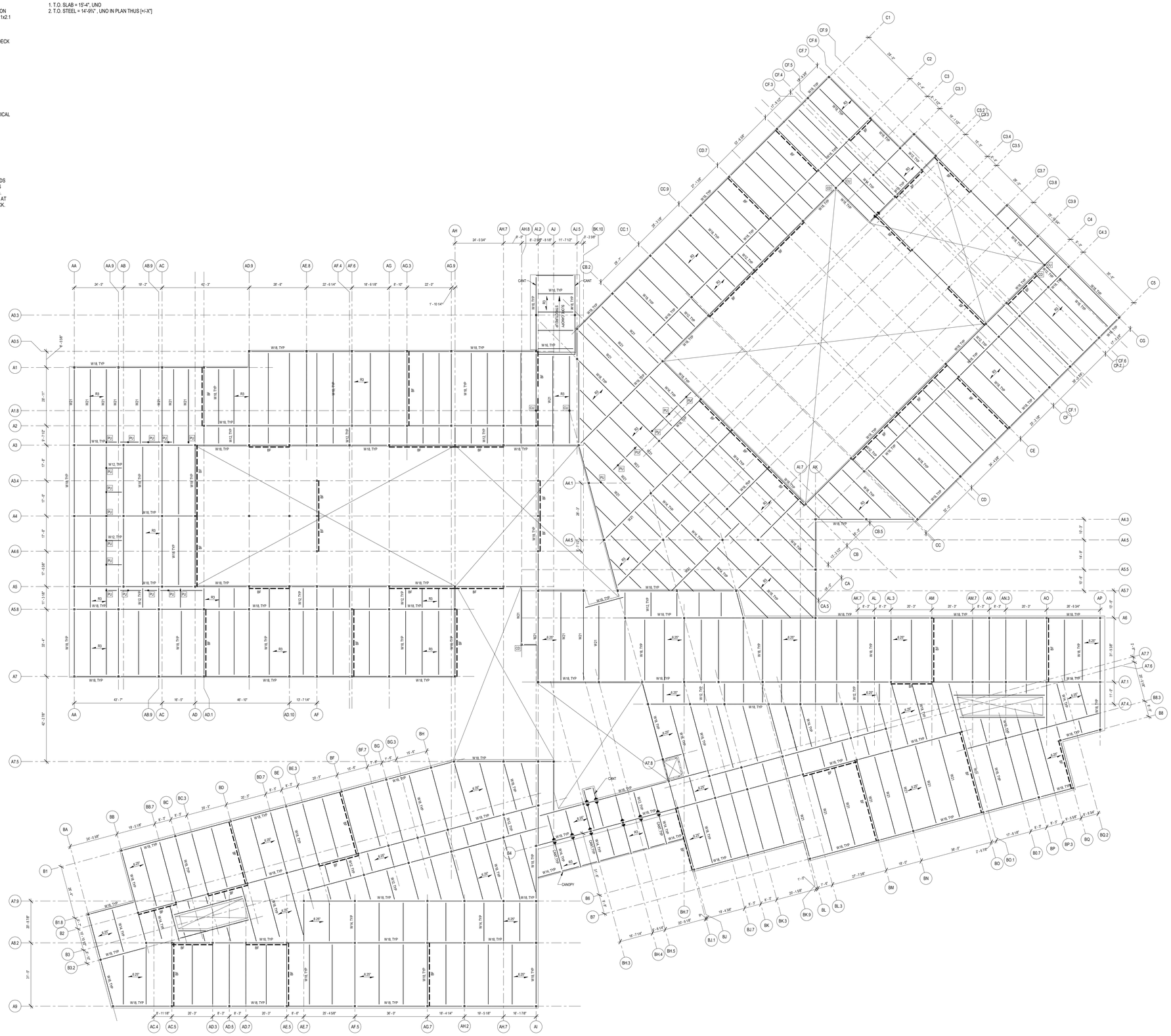
6.25"	INDICATES SPAN DIRECTION OF 3½" LWT CONC ON 3"-18 GA COMPOSITE METAL DECK WITH 6x6 W2.1x2.1 WWF - TOTAL SLAB THICKNESS = 6¼".
R3	INDICATES SPAN DIRECTION OF 3" 18GA ROOF DECK
BF	INDICATES BRACED FRAME
	INDICATES MOMENT CONNECTION
CANT	INDICATES CANTILEVERED STEEL BEAM
PU	INDICATES HSS7x7x½ H-D GALVANIZED MECHANICAL SCREEN POST UP

NOTES:

1. T.O. SLAB = 15'-4", UNO
2. T.O. STEEL = 14'-9⅛" , UNO IN PLAN THUS [+/-X"]

STEEL PRICING NOTES:

1. AT FRAMING SUPPORTING SLAB ON DECK ASSUME 13 POUNDS PER SQUARE FOOT FOR STEEL TONNAGE (THIS INCLUDES BEAMS, COLUMNS, BRACED FRAMES AND CONNECTIONS).
2. AT FRAMING SUPPORTING ROOF DECK ASSUME 11 POUNDS PER SQUARE FOOT FOR STEEL TONNAGE (THIS INCLUDES BEAMS, COLUMNS, BRACED FRAMES AND CONNECTIONS)
3. ASSUME ⅞"Ø x4½" LONG HEADED SHEAR STUDS SPACED AT 12" O.C. ON ALL BEAMS SUPPORTING SLAB ON METAL DECK.



LEVEL 2 FRAMING PLAN - OVERALL
1" = 20'-0" 1

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LEVEL 2 FRAMING PLAN - OVERALL

PROJ. NUMBER:	2206
DATE:	7/11/2023
SCALE:	1" = 20'-0"
DRAWN BY:	AB, GC, ES
REVISIONS:	

SD MSBA SET

S101

LEGEND:

- R3 — INDICATES SPAN DIRECTION OF 3" 18GA ROOF DECK
- R3CA — INDICATES SPAN DIRECTION OF 3" 18/18 GA CELLULAR ACOUSTIC ROOF DECK
- BF — INDICATES BRACED FRAME
- INDICATES MOMENT CONNECTION
- CANT — INDICATES CANTILEVERED STEEL BEAM
- CU CD — INDICATES COLUMN UP OR COLUMN DOWN, RESPECTIVELY
- MF — INDICATES MOMENT FRAME

NOTES:

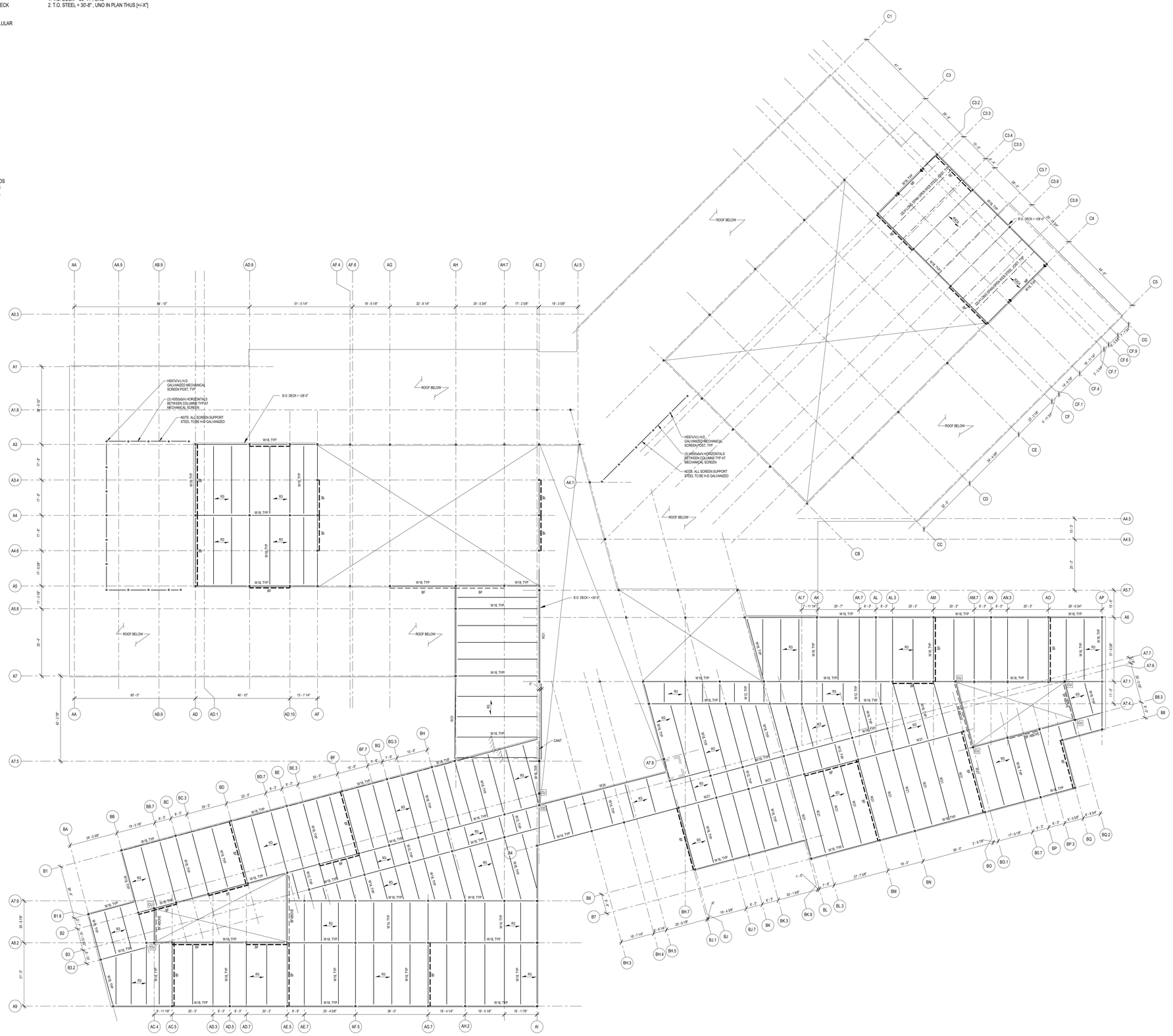
1. T.O. DECK = 30'-11", UNO
2. T.O. STEEL = 30'-8", UNO IN PLAN THUS [+/-X"]

STEEL PRICING NOTES:

1. AT FRAMING SUPPORTING ROOF DECK ASSUME 11 POUNDS PER SQUARE FOOT FOR STEEL TONNAGE (THIS INCLUDES BEAMS, COLUMNS, BRACED FRAMES AND CONNECTIONS).

OPEN WEB STEEL JOISTS PRICING NOTES:

1. OPEN WEB STEEL JOIST AND ACCESSORIES TONNAGE: 6 PSF AT GYM, AUDITORIUM, AND CAFETERIA



ROOF FRAMING PLAN - OVERALL
1" = 20'-0" 1

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ROOF FRAMING PLAN - OVERALL

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	7/11/2023
SCALE:	1" = 20'-0"
DRAWN BY:	AB, GC, ES
REVISIONS:	

SD MSBA SET

S102

LEGEND:

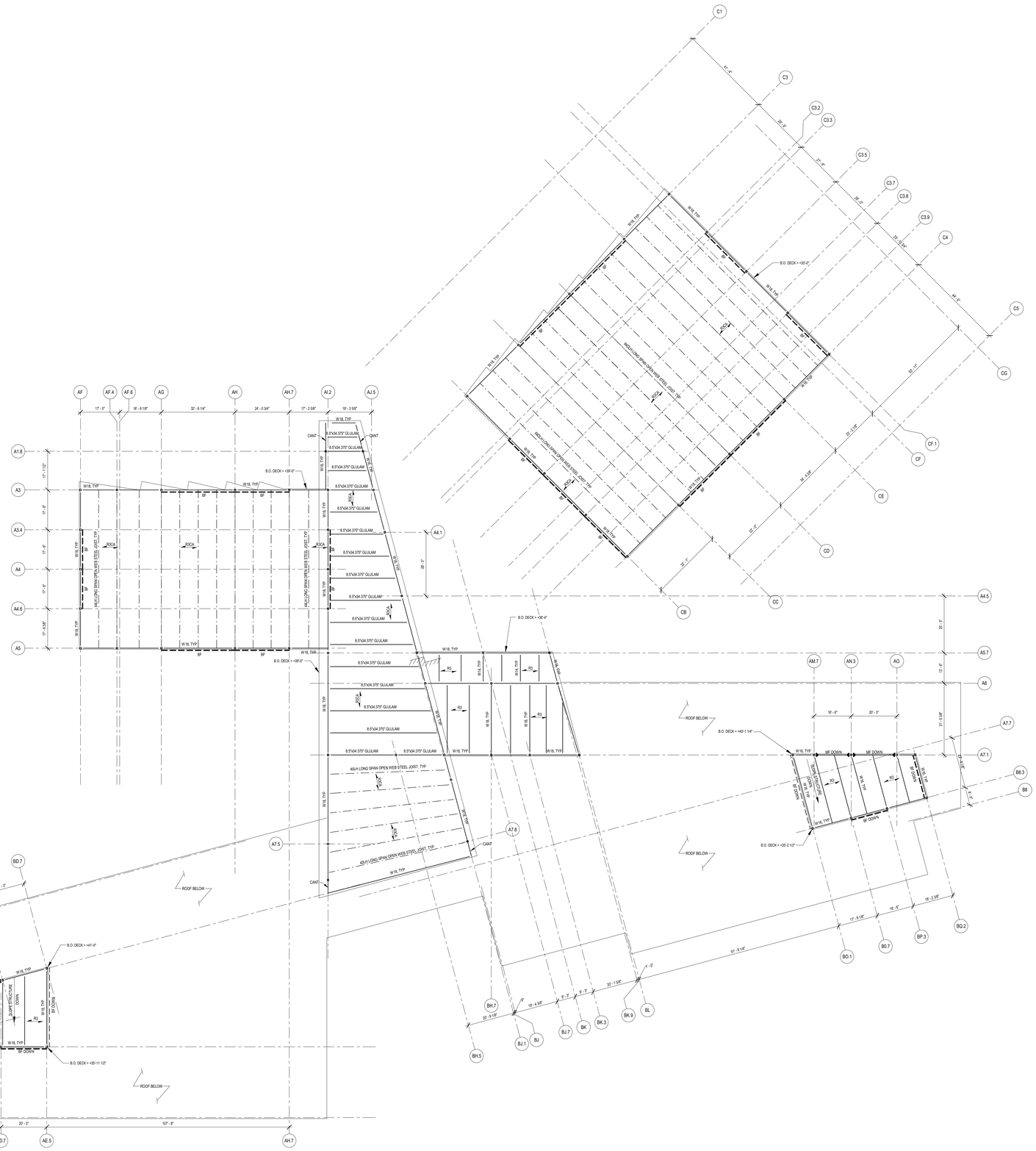
- R3 — INDICATES SPAN DIRECTION OF 3" 18GA ROOF DECK
- R3CA — INDICATES SPAN DIRECTION OF 3" 18/18 GA CELLULAR ACOUSTIC ROOF DECK
- BF — INDICATES BRACED FRAME
- MF — INDICATES MOMENT FRAME
- INDICATES MOMENT CONNECTION
- CANT — INDICATES CANTILEVERED STEEL BEAM

STEEL PRICING NOTES:

1. AT FRAMING SUPPORTING ROOF DECK ASSUME 11 POUNDS PER SQUARE FOOT FOR STEEL TONNAGE (THIS INCLUDES BEAMS, COLUMNS, BRACED FRAMES AND CONNECTIONS).

OPEN WEB STEEL JOISTS PRICING NOTES:

1. OPEN WEB STEEL JOIST AND ACCESSORIES TONNAGE: 6 PSF AT GYM, AUDITORIUM, AND CAFETERIA

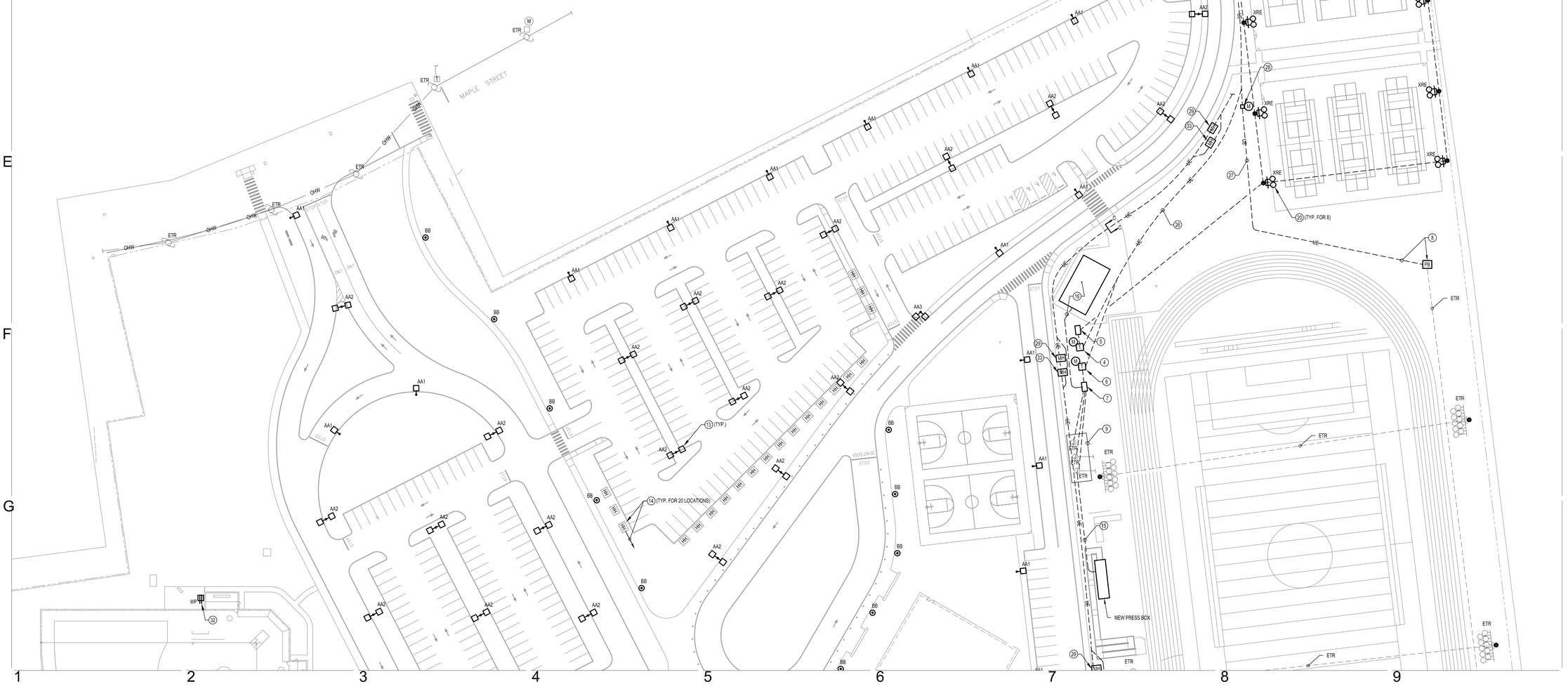

40LH LONG SPAN OPEN WEB STEEL JOIST, TYP
W18, TYP
R3CA
R3
B.O. DECK = +35'-0"
B.O. DECK = +39'-0"
B.O. DECK = +41'-0"
B.O. DECK = +35'-11 1/2"
B.O. DECK = +35'-4"
B.O. DECK = +40'-1 1/4"
B.O. DECK = +35'-2 1/2"
ROOF BELOW
MF DOWN
BF DOWN
W14, TYP
W16, TYP
8.5"x34.375" GLULAM
CANT
43'-5 1/2"
32'-8 1/4"
24'-0 3/4"
17'-2 5/8"
19'-3 5/8"
17'-5"
18'-6 5/8"
16'-8"
20'-3"
16'-6"
20'-3"
16'-8"
20'-3"
16'-6"
20'-3"
16'-8"
20'-3"
16'-6"
20'-3

ELECTRICAL SITE PLAN KEYNOTES:

1. NEW UTILITY POLE AND THE NEW SCHOOL SERVICE OVERHEAD PRIMARY WIRING WILL BE PROVIDED BY UTILITY COMPANY, NATIONAL GRID, IN RESPECTIVE CONSTRUCTION PHASE. COORDINATE RESPONSIBILITIES AND SCHEDULE WITH NATIONAL GRID.
2. PROVIDE POLE RISERS PER NATIONAL GRID STANDARDS. PRIMARY WIRING TOWARDS THE NEW PAD-MOUNTED TRANSFORMER WILL BE INSTALLED BY NATIONAL GRID.
3. EXISTING OVERHEAD POWER WIRING SUPPORTING THREE SUB-METERED LOADS - EXISTING TENNIS COURT LIGHTS, EXISTING STADIUM LOADS AND EXISTING SCOREBOARD (SEE NOTES 13, 15, 24 ON DEMOLITION DRAWING ESD101) WILL BE MAINTAINED BY NATIONAL GRID, BUT SHALL BE MODIFIED AS SHOWN TO ACCOMMODATE THE NEW SITE LAYOUT. SCOPE TO BE FINALIZED. OVERHEAD PRIMARY WIRING SHALL BE REROUTED VIA NEW RISERS ON EXISTING POLE AND EXTENDED UNDERGROUND IN CONCRETE-ENCASED CONDUITS.
4. PAD-MOUNTED TRANSFORMER WITH 120/240V 1 PHASE 3 WIRE SECONDARY VOLTAGE CONFIGURATION WILL BE SIZED/INSTALLED BY NATIONAL GRID TO ACCOMMODATE THE MODIFIED/REROUTED SERVICE FOR TENNIS COURT LIGHTS AND NEW BASKETBALL COURT LIGHTS. TRANSFORMER'S CONCRETE PAD - BY SITE CONTRACTOR PER NATIONAL GRID STANDARDS. PROVIDE GROUNDING PER NATIONAL GRID STANDARDS. DEDICATED UTILITY METER - BY NATIONAL GRID. SCOPE TO BE FINALIZED.
5. EXISTING RELOCATED CONTROLS CABINET FOR TENNIS COURT LIGHTS. PROVIDE POWER AND CONTROL WIRING TO LIGHTS PER VENDOR'S RECOMMENDATIONS. DESIGN TO BE FINALIZED.
6. PAD-MOUNTED TRANSFORMER WITH 120/240V 1 PHASE 3 WIRE SECONDARY VOLTAGE CONFIGURATION WILL BE SIZED/INSTALLED BY NATIONAL GRID TO ACCOMMODATE THE MODIFIED/REROUTED SERVICE FOR STADIUM LOADS. TRANSFORMER'S CONCRETE PAD - BY SITE CONTRACTOR PER NATIONAL GRID STANDARDS. PROVIDE GROUNDING PER NATIONAL GRID STANDARDS. DEDICATED UTILITY METER - BY NATIONAL GRID. SCOPE TO BE FINALIZED.
7. NEW CONTROLS CABINET FOR STADIUM LIGHTS AND POWER FOR OTHER STADIUM LOADS. RECONNECT POWER AND CONTROL WIRING TO EXISTING LOADS PER VENDOR'S RECOMMENDATIONS. DESIGN TO BE FINALIZED.
8. REFER TO NOTE 23 ON DEMOLITION PLAN ESD101 FOR ADDITIONAL INFORMATION. EXISTING UTILITY POWER SERVICE SHALL BE RECONNECTED AS SHOWN.
9. REFER TO NOTE 18 ON DEMOLITION PLAN ESD101 FOR ADDITIONAL INFORMATION. EXISTING POWER AND CONTROLS WIRING SHALL BE RECONNECTED TO NEW CONTROLS CABINET. DESIGN TO BE FINALIZED.
10. NOT USED.
11. NOT USED.
12. CONTROLS CABINET FOR NEW BASEBALL/SOFTBALL LIGHTS. PROVIDE POWER AND CONTROL WIRING TO LIGHTS PER VENDOR'S RECOMMENDATIONS. DESIGN TO BE FINALIZED.
13. COORDINATE EXACT LOCATION OF POLE-MOUNTED SITE LIGHTS WITH CIVIL DRAWINGS. FOR INSTALLATION AND SCOPE OF WORK BY DIV.26 REFER TO RESPECTIVE DETAIL ON DRAWING ES501. ALL EXTERIOR LIGHTS SHALL BE CONTROLLED BY THE SCHOOL'S NETWORKED LIGHTING CONTROL SYSTEM.
14. PROVIDE DEDICATED HANDHOLE AND POWER/COMMUNICATION WIRING FOR "FUTURE" EV DUAL CHARGING STATION. DESIGN TO BE FINALIZED.
15. EXISTING POWER AND COMMUNICATION WIRING SHALL BE EXTENDED AND RECONNECTED TO NEW PRESS BOX IN LIEU OF DEMOLISHED PRESS BOX. DESIGN TO BE FINALIZED.
16. POWER AND COMMUNICATION WIRING FROM NEW STADIUM CONTROLS CABINET TO NEW CONCESSIONS STAND BUILDING. DESIGN TO BE FINALIZED.
17. NEW UTILITY POLE AND NEW COMMUNICATION SERVICES OVERHEAD WIRING WILL BE PROVIDED BY RESPECTIVE COMMUNICATION SERVICE PROVIDERS. COORDINATE RESPONSIBILITIES AND SCHEDULE WITH PROVIDERS.
18. FOR DUCT BANK SECTIONS REFER TO RESPECTIVE DETAIL ON DRAWING ES501. CONCRETE ENCASEMENT - BY SITE CONTRACTOR.
19. PROVIDE EV DUAL CHARGING STATION. FOR ADDITIONAL INFORMATION REFER TO RESPECTIVE DETAIL ON DRAWING ES501. PROVIDE POWER AND COMMUNICATION WIRING AND FINAL CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS.
20. CONCRETE BASES FOR RELOCATED TENNIS COURTS MUSCO LIGHTS - BY SITE CONTRACTOR PER MANUFACTURER'S RECOMMENDATIONS.
21. NOT USED.
22. NOT USED.
23. PROVIDE POWER AND COMMUNICATION WIRING WITH FINAL CONNECTIONS TO GATE OPERATOR.
24. PROVIDE POWER AND COMMUNICATION WIRING WITH FINAL CONNECTIONS TO SCOREBOARD.
25. PROVIDE (3)-4"C. CONCRETE-ENCASED FOR THREE EXISTING MODIFIED UTILITY SERVICES (REFER TO NOTE 3). PRIMARY WIRING EXTENSION - BY NATIONAL GRID. DESIGN TO BE FINALIZED.
26. PROVIDE (2)-4"C. CONCRETE-ENCASED FOR TWO EXISTING MODIFIED UTILITY SERVICES (REFER TO NOTE 3). PRIMARY WIRING EXTENSION - BY NATIONAL GRID. DESIGN TO BE FINALIZED.
27. PROVIDE (1)-4"C. CONCRETE-ENCASED FOR EXISTING SCOREBOARD MODIFIED UTILITY SERVICE (REFER TO NOTE 3). PRIMARY WIRING EXTENSION - BY NATIONAL GRID. DESIGN TO BE FINALIZED.
28. RELOCATED PEDESTAL AND UTILITY METER ASSOCIATED WITH SCOREBOARD SERVICE. COORDINATE SCOPE OF WORK AND RESPONSIBILITIES WITH NATIONAL GRID.
29. PROVIDE MANHOLE PER NATIONAL GRID STANDARDS.
30. NOT USED.
31. NOT USED.
32. PROVIDE POWER FOR PITCHING MACHINE. COORDINATE EXACT LOCATION IN FIELD.
33. PROVIDE MANHOLE PER COMMUNICATION SERVICE PROVIDER STANDARDS.

EXTERIOR LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	MODEL	VOLTAGE	WATTAGE	DRIVER	MOUNTING	DESCRIPTION
AA1	CREE LIGHTING	OSQM-B-L-30K7-3M-UL-NM-FINISH-PLML2 / OSQ-B-DA-FINISH	277	86W	LED	POLE	SINGLE ARM POLE MOUNTED FIXTURE, FINISH BY ARCHITECT. PROVIDE 20' POLE IN MATCHING FINISH. 3000K COLOR TEMPERATURE.
AA2	CREE LIGHTING	OSQM-B-L-30K7-3M-UL-NM-FINISH-PLML2 / OSQ-B-DA-FINISH	277	172W	LED	POLE	DOUBLE ARM POLE MOUNTED FIXTURE, 180 DEGREE BRACKET, FINISH BY ARCHITECT. PROVIDE 20' POLE IN MATCHING FINISH. 3000K COLOR TEMPERATURE.
AA3	CREE LIGHTING	OSQM-B-L-30K7-3M-UL-NM-FINISH-PLML2 / OSQ-B-DA-FINISH	277	172W	LED	POLE	DOUBLE ARM POLE MOUNTED FIXTURE, 90 DEGREE BRACKET, FINISH BY ARCHITECT. PROVIDE 20' POLE IN MATCHING FINISH. 3000K COLOR TEMPERATURE.
BB	KIM LIGHTING	LR20-96L-30-3KB-3-UNV-FM44-LGS-AD-02-TPL	277	30W	LED	POLE	20' DIA. LOW PROFILE EDGE-LIT LED POST TOP LUMINAIRE, FINISH BY ARCHITECT. TAMPER PROOF LATCH, AUTO DIMMING 50% MIDNIGHT TO 4AM. PROVIDE 4" DIA. 12FT ROUND POLE IN MATCHING FINISH. 3000K COLOR TEMPERATURE. SIT ENERGY REDUCTION CONTROL SYSTEM.
CC	TARGETTI USA	KPLM41-HE-FI-L2-30 / 1E2525 / 1DU2521	277	14W	LED	GROUND	FLAG POLE LIGHT, FINISH BY ARCHITECT.



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CONSULTANTS:

ELECTRICAL SITE PLAN

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	08/25/2023
SCALE:	1" = 40'
DRAWN BY:	MAI
REVISIONS:	

SD MSBA SET

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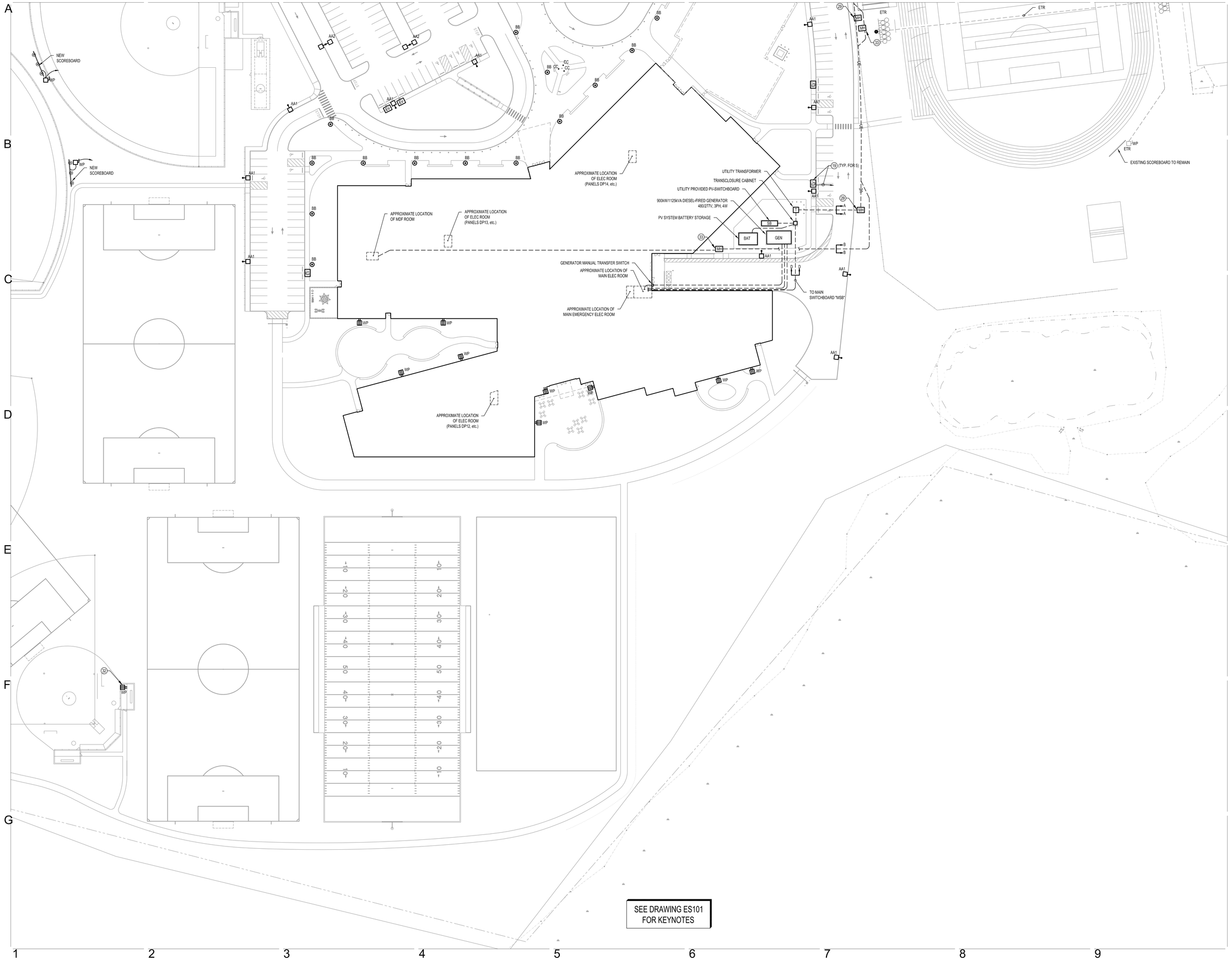

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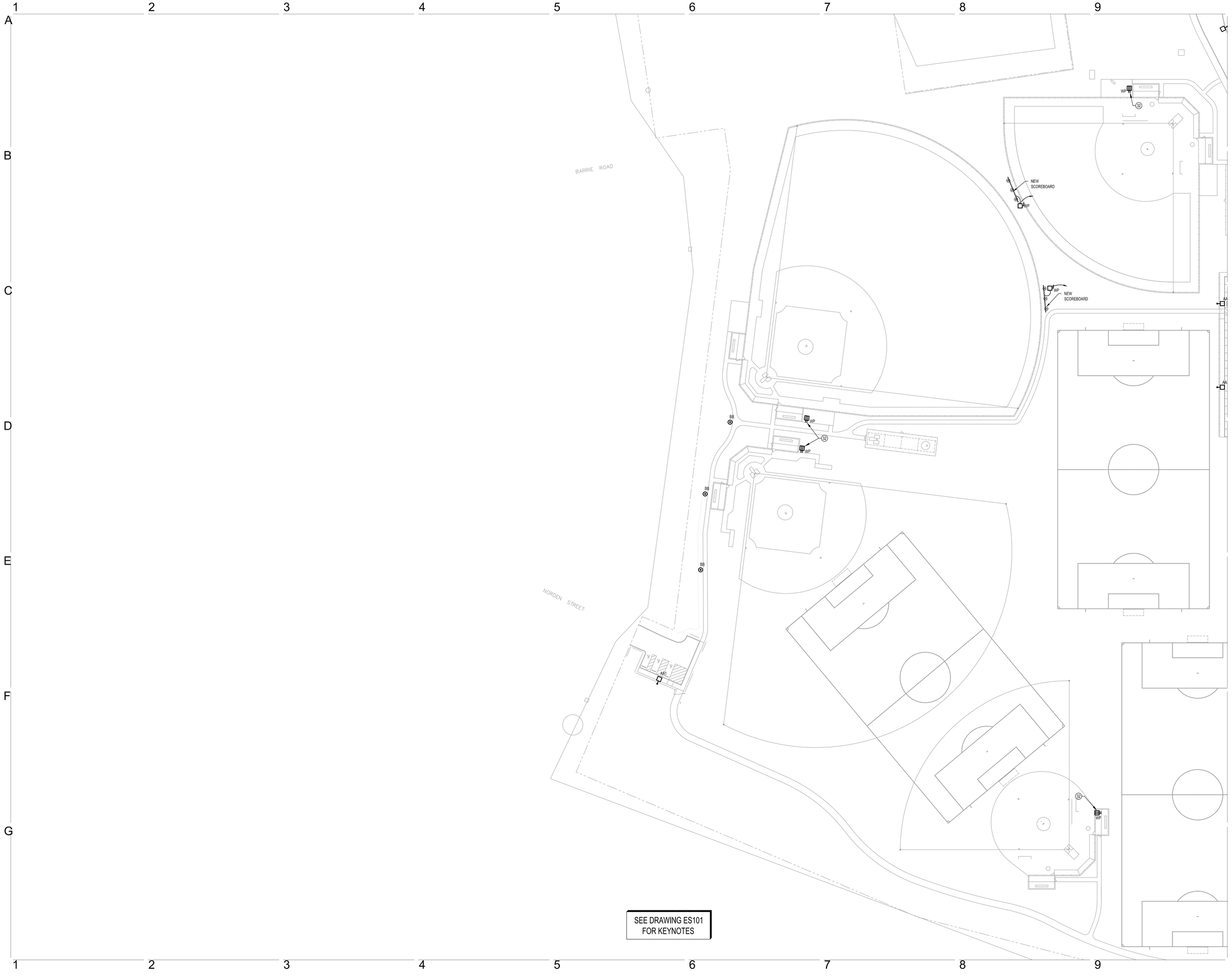
EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	08/25/2023
SCALE:	1" = 40'
DRAWN BY:	MAI
REVISIONS:	

SD MSBA SET

ES102



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CONSULTANTS:

ELECTRICAL SITE PLAN

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	08/25/2023
SCALE:	1" = 40'
DRAWN BY:	MAI
REVISIONS:	

SD MSBA SET

ES103

DEMO SITE PLAN KEYNOTES: (E)

1. IDENTIFIED EXISTING UTILITY POLES AND ASSOCIATED OVERHEAD PRIMARY WIRING, OWNED AND MAINTAINED BY NATIONAL GRID, WILL REMAIN OPERATIONAL DURING ENTIRE NEW SCHOOL CONSTRUCTION PROJECT, AND THEN WILL BE DISCONNECTED AND REMOVED BY NATIONAL GRID.
2. EXISTING UNDERGROUND SERVICE CONDUITS, PAD-MOUNTED UTILITY TRANSFORMER, PRIMARY AND SECONDARY FEEDERS WILL REMAIN OPERATIONAL DURING ENTIRE NEW SCHOOL CONSTRUCTION PROJECT, AND THEN SHALL BE DISCONNECTED AND REMOVED. PRIMARY WIRING AND TRANSFORMER, OWNED AND MAINTAINED BY NATIONAL GRID, WILL BE DISCONNECTED AND REMOVED BY NATIONAL GRID. REMOVAL OF TRANSFORMER'S GROUNDING, PRIMARY AND SECONDARY UNDERGROUND RACEWAY SYSTEM, SECONDARY FEEDER WIRES - BY ELECTRICAL TRADE CONTRACTOR. REMOVAL OF TRANSFORMER'S CONCRETE PAD - BY SITE CONTRACTOR. PRIOR TO BEGINNING OF SCHOOL BUILDING DEMOLITION CUT, CAP, MAKE-SAFE THE EXISTING ELECTRICAL SERVICE AT THE POINT OF ITS ENTRANCE INSIDE THE BUILDING. SCOPE OF WORK BY DEMOLITION CONTRACTOR STARTS AT THE MAIN SWITCHBOARD. REFER TO NOTE 4. COORDINATE DISCONNECTING SCHEDULE AND SERVICE EQUIPMENT REMOVAL RESPONSIBILITIES WITH NATIONAL GRID.
3. APPROXIMATE LOCATION OF THE EXISTING MAIN ELECTRIC ROOM.
4. APPROXIMATE LOCATION OF THE EXISTING MAIN SWITCHBOARD RATED 1,200 AMP, 277/480V 3PH 4W.
5. EXISTING UTILITY METER, OWNED AND MAINTAINED BY NATIONAL GRID, WILL BE DISCONNECTED AND REMOVED BY NATIONAL GRID.
6. EXISTING WIRING TO SITE POLE-MOUNTED LIGHTS AND CONNECTION TO EXISTING SCHOOL POWER AND CONTROLS SHALL REMAIN OPERATIONAL UNTIL THE RESPECTIVE DEMOLITION PHASE, AND THEN REMOVE ENTIRELY, UNDERGROUND ROUTING AND POINTS OF HOMERUNS ARE SHOWN DIAGRAMMATICALLY, VERIFY IF FIELD.
7. DISCONNECT AND REMOVE EXISTING SITE POLE-MOUNTED LIGHT IN RESPECTIVE DEMOLITION PHASE. REMOVAL OF CONCRETE BASE - BY SITE CONTRACTOR.
8. OUTLINED IS THE INITIAL DEMOLITION PHASE SCHOOL BUILDING AREA.
9. APPROXIMATE LOCATION OF THE EXISTING STORAGE CONTAINING ELECTRICAL PANELS AND TRANSFORMER, VERIFY IN FIELD.
10. APPROXIMATE LOCATION OF THE EXISTING DISTRIBUTION PANEL "DP-G" SUPPORTING THE BUILDING AREA OUTLINED BY NOTE 8. PRIOR TO BEGINNING OF DEMOLITION IN THIS AREA DISCONNECT PANEL FROM THE MAIN SWITCHBOARD (NOTE 4) AND PROVIDE LOCK-ON DEVICE ON RESPECTIVE CIRCUIT BREAKER.
11. PRIOR TO BEGINNING OF DEMOLITION IN AREA OUTLINED BY NOTE 8 REMOVE POWER FEEDER TO PANEL "DP-G" (NOTE 10). VERIFY THE EXISTING FEEDER ROUTING IN FIELD. COORDINATE FEEDER REMOVAL SCHEDULE WITH OTHER TRADES.
12. IDENTIFIED EXISTING UTILITY POLES WITH ASSOCIATED NATIONAL GRID AND COMMUNICATION SERVICE PROVIDER'S OVERHEAD WIRING AND POLE-MOUNTED LIGHTS WILL BE REMOVED BY SERVICE PROVIDERS IN RESPECTIVE DEMOLITION PHASE, COORDINATE SCOPE AND SCHEDULE WITH SERVICE PROVIDERS.
13. DISCONNECT, REMOVE AND STORE PROPERLY THE EXISTING TENNIS COURTS SUB-METERED CONTROLS CABINET FOR REINSTALLING AT THE TENNIS COURTS NEW LOCATION. REMOVE POWER AND CONTROLS WIRING TO EXISTING TENNIS COURT LIGHTS (NOTE 14). REMOVAL OF THE CONCRETE PAD - BY SITE CONTRACTOR. EXISTING TENNIS COURT LIGHTS WILL BE REINSTALLED AT THE TENNIS COURTS NEW LOCATION, REFER TO NOTE 14 ON THIS DRAWING AND TO DRAWING ES101 FOR ADDITIONAL INFORMATION.
14. DISCONNECT, REMOVE AND STORE PROPERLY THE EXISTING TENNIS COURT LIGHTS FOR REINSTALLING AT THE TENNIS COURTS NEW LOCATION. REMOVAL OF CONCRETE BASES - BY SITE CONTRACTOR.
15. REMOVE EXISTING STADIUM SUB-METERED UTILITY SERVICE AND CONTROLS EQUIPMENT IN RESPECTIVE DEMOLITION PHASE. REMOVE EXISTING POWER AND CONTROLS WIRING TOWARDS THE IN-GROUND HANDHOLES (J-BOXES NOTED "ETR" ADJACENT TO TRACK, NOTE 18). EXISTING CONTROLS EQUIPMENT SHALL BE REMOVED AND DISCARDED BY ELECTRICAL TRADE CONTRACTOR. REMOVAL OF CONCRETE PAD - BY SITE CONTRACTOR.
16. DISCONNECT, REMOVE AND DISCARD THE EXISTING PRACTICE FIELD LIGHTS WITH ASSOCIATED POWER AND CONTROL WIRING. REMOVAL OF CONCRETE BASES - BY SITE CONTRACTOR.
17. DEMOLISH AND REMOVE EXISTING ABOVE-GROUND WP BOXES WITH WITH POWER OUTLETS AND ASSOCIATED WIRING ENTIRELY IN RESPECTIVE DEMOLITION PHASE.
18. UNLESS NOTED OTHERWISE, ALL EXISTING OUTGOING POWER AND CONTROL WIRING SHALL REMAIN. EXISTING IN-GROUND HANDHOLES (J-BOXES NOTED "ETR") WILL BE RECONNECTED TO UTILITY SERVICE AND CONTROLS AS SHOWN ON DRAWING ES101.
19. EXISTING POWER AND CONTROLS WIRING TO TRACK LIGHTS SHALL REMAIN AND SHALL BE PROTECTED DURING ALL CONSTRUCTION PHASES.
20. EXISTING CONDUITS WITH POWER AND CONTROLS WIRING FOR FUTURE USE SHALL REMAINING AND SHALL BE PROTECTED DURING ALL CONSTRUCTION PHASES.
21. EXISTING POWER AND CONTROLS WIRING TOWARDS THE EXISTING PRESS BOX SHALL REMAIN AND PRESERVED FOR RECONNECTING TO NEW PRESS BOX, SCOPE TO BE FINALIZED.
22. EXISTING POWER AND CONTROL WIRING TOWARDS THE EXISTING TICKET BOOTH, SCHEDULED FOR DEMOLITION, SHALL BE DISCONNECTED AND REMOVED ENTIRELY.
23. EXISTING SCOREBOARD SUB-METERED UTILITY SERVICE SHALL BE MODIFIED TO ACCOMMODATE THE NEW SITE LAYOUT IN RESPECTIVE SITE WORK PHASE. INTERCEPT THE EXISTING UNDERGROUND SERVICE WIRING AND RECONNECT AS SHOWN ON DRAWING ES101. EXISTING UTILITY METERING EQUIPMENT SHALL BE RELOCATED AND RECONNECTED AS SHOWN ON DRAWINGS ES101. COORDINATE SCOPE OF WORK AND RECONNECTING SCHEDULE WITH NATIONAL GRID.
24. EXISTING SCOREBOARD TO REMAIN.

EXISTING SCOREBOARD TO BE DEMOLISHED

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ELECTRICAL SITE DEMOLITION PLAN

EAST LONGMEADOW HIGH SCHOOL
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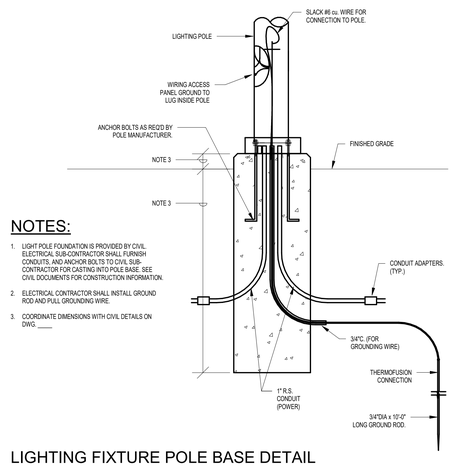
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	
DATE:	
SCALE:	1" = 80'
DRAWN BY:	MAI
REVISIONS:	

SD MSBA SET

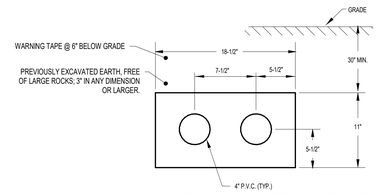
EDS101



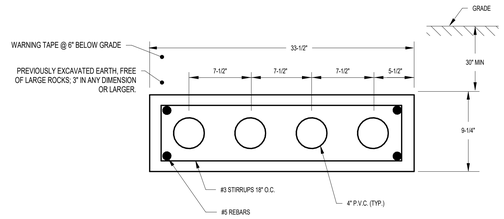
NOTES:

1. LIGHT POLE FOUNDATION IS PROVIDED BY CIVIL. ELECTRICAL SUB-CONTRACTOR SHALL FURNISH CONDUITS, AND ANCHOR BOLTS TO CIVIL SUB-CONTRACTOR FOR CASTING INTO POLE BASE. SEE CIVIL DOCUMENTS FOR CONSTRUCTION INFORMATION.
2. ELECTRICAL CONTRACTOR SHALL INSTALL GROUND ROD AND PULL GROUNDING WIRE.
3. COORDINATE DIMENSIONS WITH CIVIL DETAILS ON DWG. ____

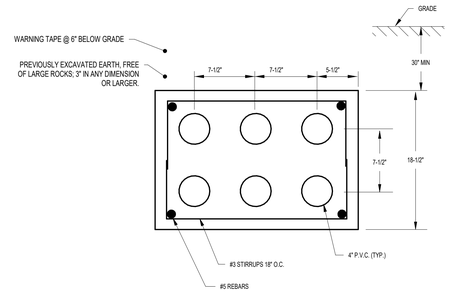
E1 LIGHTING FIXTURE POLE BASE DETAIL (FOR POLE WITHOUT CCTV CAMERA)
SCALE: N.T.S.



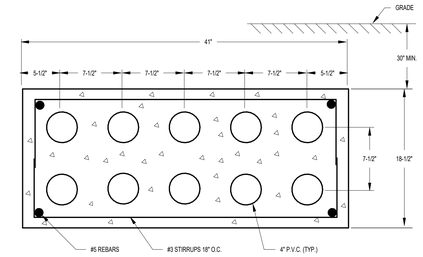
C6 DUCT BANK DETAIL - SECTION "A-A" (2) CONDUITS
SCALE: NTS



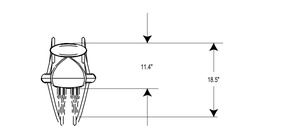
C8 DUCT BANK DETAIL - SECTION "B-B" (4) CONDUITS
SCALE: NTS

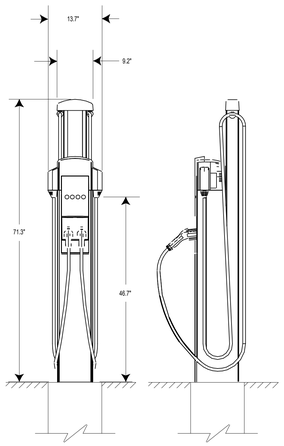


1 DUCT BANK DETAIL - SECTION "C-C" (6) CONDUITS
SCALE: NTS



2 DUCT BANK DETAIL - SECTION "D-D" DETAIL (10) CONDUITS
SCALE: NTS





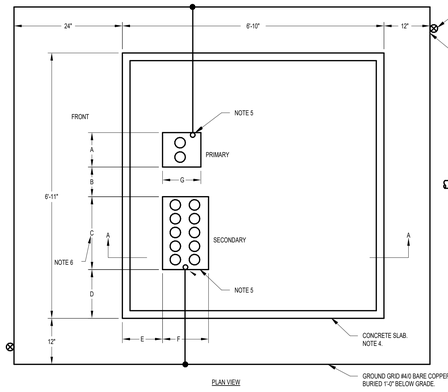
POWER SPECIFICATIONS (EACH CHARGING UNIT)	
INPUT POWER	208-240VAC, 32A, SINGLE PHASE, 60HZ
INPUT POWER CONNECTION	LINE 1, LINE 2, AND GROUND
FEEDER CIRCUIT BREAKER	2-POLE, 40A, NON-GFCI TYPE

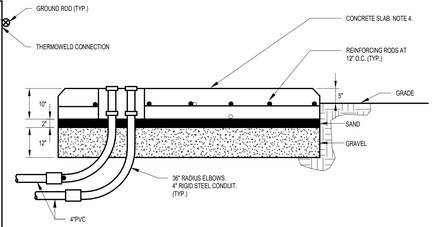
PROTECTION	
GROUND FAULT PROTECTION	INTEGRAL, CCID 20mA, AUTO RESET
GROUND FAULT PROTECTION SYSTEM TEST	AUTOMATIC TEST AT THE BEGINNING OF EACH CHARGE CYCLE

NOTES:

1. PEDESTAL MOUNTED, DUAL TYPE, ELECTRC VEHICLE CHARGING STATION. (MODEL: CHARGEPOINT CT4021 OR EQUIVALENT)
2. INSTALL PER MANUFACTURERS INSTRUCTIONS AND RECOMMENDATIONS.
3. BASIS OF DESIGN IS CHARGEPOINT, WHICH DOES NOT REQUIRE BUILDING DATA CONNECTION. HOWEVER, EMPTY CONDUIT FOR DATA WILL BE PROVIDED. SEE ELECTRICAL SITE PLAN FOR CONDUIT QUANTITY AND GENERAL LOCATION.
4. COORDINATE WITH C-SERIES DRAWINGS FOR FINAL LOCATION OF EV CHARGER PEDESTAL.
5. SEE ELECTRICAL SITE PLAN FOR BRANCH CIRCUITRY INFORMATION.
6. SEE SPECIFICATIONS FOR ADDITIONAL EV CHARGING STATION INFORMATION.

G1 EV CHARGER STATION
SCALE: NTS





SECTION A-A

NOTES:

1. REFER TO DRAWING FOR ORIENTATION OF PAD.
2. USE ALL 36" LONG RADIUS ELBOWS ON PRIMARY AND SECONDARY CONDUITS.
3. GROUND GRID SHALL CONSIST OF NO.4/0 BARE COPPER CONDUCTOR. GROUNDING RODS SHALL BE 3/4"X10' LONG.
4. CONCRETE SHALL BE 4000 PSI AIR ENTRAINED CONCRETE WITH 1/2" REINFORCING RODS AS SHOWN.
5. LEAVE 5' OF FREE LENGTH OF GROUNDING CONDUCTOR FOR CONNECTIONS.
6. PAD DIMENSIONS FROM "A" THRU "G" SHALL BE CONFIRMED WITH TRANSFORMER SHOP DRAWING BEFORE INSTALLATION OF PAD.

G6 PAD MOUNTED TRANSFORMER PAD DETAIL
SCALE: NTS

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ELECTRICAL SITE DETAILS

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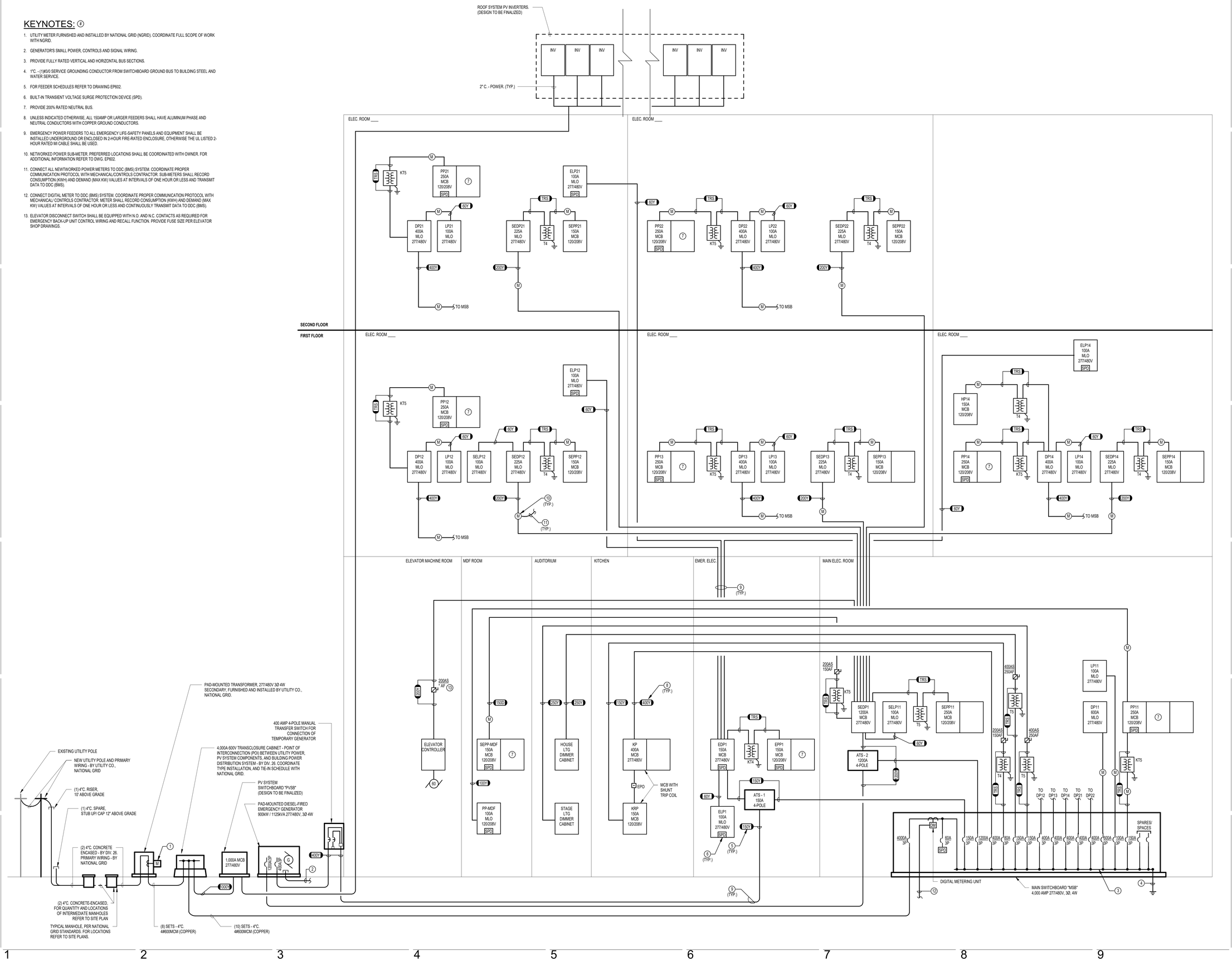
PROJ. NUMBER:	2206
DATE:	08/25/2023
SCALE:	NTS
DRAWN BY:	MAI
REVISIONS:	

SD MSBA SET

ES501

KEYNOTES: (E)

1. UTILITY METER FURNISHED AND INSTALLED BY NATIONAL GRID (NGRID). COORDINATE FULL SCOPE OF WORK WITH NGRID.
2. GENERATOR'S SMALL POWER, CONTROLS AND SIGNAL WIRING.
3. PROVIDE FULLY RATED VERTICAL AND HORIZONTAL BUS SECTIONS.
4. 1"C. - (1)#3/0 SERVICE GROUNDING CONDUCTOR FROM SWITCHBOARD GROUND BUS TO BUILDING STEEL AND WATER SERVICE.
5. FOR FEEDER SCHEDULES REFER TO DRAWING EP602.
6. BUILT-IN TRANSIENT VOLTAGE SURGE PROTECTION DEVICE (SPD).
7. PROVIDE 200% RATED NEUTRAL BUS.
8. UNLESS INDICATED OTHERWISE, ALL 150AMP OR LARGER FEEDERS SHALL HAVE ALUMINUM PHASE AND NEUTRAL CONDUCTORS WITH COPPER GROUND CONDUCTORS.
9. EMERGENCY POWER FEEDERS TO ALL EMERGENCY LIFE-SAFETY PANELS AND EQUIPMENT SHALL BE INSTALLED UNDERGROUND OR ENCLOSED IN 2-HOUR FIRE-RATED ENCLOSURE, OTHERWISE THE UL LISTED 2-HOUR RATED MI CABLE SHALL BE USED.
10. NETWORKED POWER SUB-METER. PREFERRED LOCATIONS SHALL BE COORDINATED WITH OWNER. FOR ADDITIONAL INFORMATION REFER TO DWG. EP602.
11. CONNECT ALL NEWTWORKED POWER METERS TO DDC (BMS) SYSTEM. COORDINATE PROPER COMMUNICATION PROTOCOL WITH MECHANICAL/CONTROLS CONTRACTOR. SUB-METERS SHALL RECORD CONSUMPTION (KWH) AND DEMAND (MAX KW) VALUES AT INTERVALS OF ONE HOUR OR LESS AND TRANSMIT DATA TO DDC (BMS).
12. CONNECT DIGITAL METER TO DDC (BMS) SYSTEM. COORDINATE PROPER COMMUNICATION PROTOCOL WITH MECHANICAL/ CONTROLS CONTRACTOR. METER SHALL RECORD CONSUMPTION (KWH) AND DEMAND (MAX KW) VALUES AT INTERVALS OF ONE HOUR OR LESS AND CONTINUOUSLY TRANSMIT DATA TO DDC (BMS).
13. ELEVATOR DISCONNECT SWITCH SHALL BE EQUIPPED WITH N.O. AND N.C. CONTACTS AS REQUIRED FOR EMERGENCY BACK-UP UNIT CONTROL WIRING AND RECALL FUNCTION. PROVIDE FUSE SIZE PER ELEVATOR SHOP DRAWINGS.



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POWER ONE-LINE DIAGRAM

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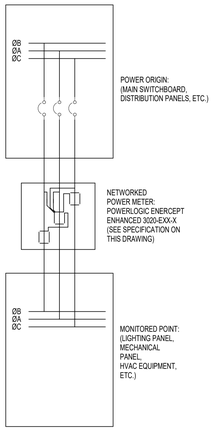
PROJ. NUMBER:	2206
DATE:	08/25/2023
SCALE:	N.T.S.
DRAWN BY:	MAI
REVISIONS:	

SD MSBA SET

EP601

"METERING POINT" SCHEDULE

METER POINT No.	LOAD LOCATION	"METERING POINT" DESCRIPTION	METER MODEL	POWER ORIGIN
M-1				
M-2				
M-3				
M-4				
M-5				
M-6				
M-7				
M-8				
M-9				
M-10				
M-11				
DM				
M-12				
M-13				
M-14				
M-15				
M-16				
M-17				
M-18				
M-19				
M-20				



ENERCEPT METER H8035
TYPICAL INSTALLATION

POWERLOGIC ENERCEPT METER
ENHANCED MODELS ENGINEERING SPECIFICATIONS:

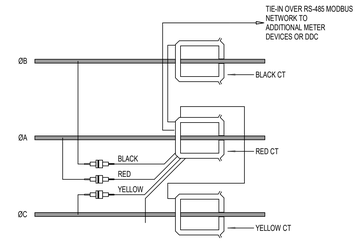
1. THE POWER METER SHALL CONSIST OF THREE SPLIT-CORE CTS HINGED AT BOTH AXIS WITH THE POWER METERING ELECTRONICS EMBEDDED INSIDE THE MASTER CT.
2. METERS MUST BE PERMANENTLY INSTALLED, RECORD AT INTERVALS OF ONE HOUR OR LESS INDIVIDUAL LOADS' CONSUMPTION (KWH) AND DEMAND (MAX KW) VALUES AND TRANSMIT THE COLLECTED DATA TO DCC (BMS), LOCATED IN MDF ROOM. PROVIDE SOFTWARE FOR UPLOADING TO DCC COMPUTER, ALLOWING TO COLLECT AND STORE THE RECORDED INFORMATION AND PRINT VARIOUS ENERGY USAGE REPORTS. THE DATA COLLECTION SYSTEM MUST USE A DC COMPATIBLE COMMUNICATION PROTOCOL.
3. THE METER SHALL MEASURE TRUE (RMS) POWER, INSTANTANEOUS DEMAND (KW) AND CONSUMPTION (KWH). THE METER SHALL RECORD KW/KWH.
4. THE BMS MUST BE CAPABLE OF STORING ALL METER DATA FOR AT LEAST 36 MONTHS.
5. METER DATA MUST BE REMOTELY ACCESSIBLE THROUGH THE BMS.
6. DATA REPORTS SHOWING HOURLY, DAILY, MONTHLY, AND ANNUAL ENERGY TRENDS MUST BE AVAILABLE THROUGH THE BMS.
7. THE CONSUMPTION (KWH) VARIABLE SHALL BE STORED ON THE BMS IN NON-VOLATILE MEMORY AND RETAINED IN THE EVENT OF A POWER OUTAGE.
8. THE METER SHALL DIRECTLY ACCEPT ANY VOLTAGE INPUT FROM 208-480 VAC.
9. THE METER SHALL BE CALIBRATED AS A SYSTEM AND BE ACCURATE TO +/- 1% FROM 10 % TO 100 % OF THE RATED CURRENT OVER A TEMPERATURE RANGE OF 0-60 C.
10. THE METER SHALL CONFORM TO ANSI C12.1 METERING STANDARDS.
11. THE POWER METER SHALL BE INTERNALLY ISOLATED TO 2000 VAC.
12. THE POWER METER CASE ISOLATION SHALL BE 600 VAC.
13. THE POWER METER AVAILABLE ORDERING RANGES SHALL BE 100-2400 AMPS.
14. THE POWER METER MEETS UL508 SAFETY STANDARD FOR INDUSTRIAL CONTROL EQUIPMENT.

GENERAL DRAWING NOTES:

1. THIS DRAWING IS DEVELOPED BASED ON THE "POWERLOGIC ENERCEPT ENHANCED MODELS"
2. ALL METERING PRODUCTS SHALL BE THREE-PHASE NETWORK BASED POWER METERS WITH INDUSTRIAL GRADE SPLIT-CORE CTS.
3. THIS DRAWING SHOWS THE INTENT OF THE PROJECT, WHICH IS MONITORING THE POWER CONSUMPTION AND DEMAND OF INDICATED POINTS.

POWERLOGIC ENERCEPT METER ENHANCED MODELS		
MODEL	MAX. AMPACITY	CT SIZE
3020-E01-2	100	SMALL
3020-E03-2	300	SMALL
3020-E04-3	400	MEDIUM

POWERLOGIC ENERCEPT METER
TYPICAL WIRING
(208 OR 480 VAC, 3Ø, 4W INSTALLATION)



ENERCEPT METER TYPICAL WIRING (208 OR 480 VAC, 3Ø, 4W INSTALLATION)

VOLTAGE DROP CHART

LOAD UP TO	CONDUCTOR #12	SIZE / #10	MAX LENGTH #8
120 V CIRCUITS			
800 VA	155 FT	245 FT	390 FT
1000 VA	125 FT	195 FT	310 FT
1200 VA	105 FT	165 FT	260 FT
1400 VA	90 FT	140 FT	220 FT
1600 VA	80 FT	125 FT	195 FT
1800 VA	70 FT	110 FT	175 FT
277 V CIRCUITS			
2000 VA	330 FT	525 FT	830 FT
2500 VA	265 FT	420 FT	665 FT
3000 VA	220 FT	350 FT	555 FT
3500 VA	190 FT	300 FT	475 FT
4000 VA	165 FT	260 FT	415 FT

LOAD UP TO	CONDUCTOR #8	SIZE / #4	MAX LENGTH #1/0
-48 V DC BRANCH CIRCUITS (-1 VOLT)			
10 A.	65 FT	162 FT	410 FT
20 A.	33 FT	81 FT	205 FT
30 A.	22 FT	54 FT	136 FT
40 A.	16 FT	40 FT	102 FT
60 A.	---	27 FT	68 FT

LOAD UP TO	CONDUCTOR #350	SIZE / #500	MAX LENGTH #750
-48 V DC MAIN FEEDERS (-1 VOLT)			
100 A.	136 FT	194 FT	292 FT
150 A.	91 FT	156 FT	195 FT
400 A.	34 FT	58 FT	73 FT
600 A.	---	39 FT	48 FT
800 A.	---	---	36 FT

BRANCH CIRCUITS SCHEDULE

CIRCUIT BREAKER	CONDUCTOR
120 OR 277 VOLT 1Φ, 2W. CIRCUITS	
20A-1P	2 #12 & 1 #12 GND. - 3/4"C.
30A-1P	2 #10 & 1 #10 GND. - 3/4"C.
40A-1P	2 #8 & 1 #10 GND. - 3/4"C.
50A-1P	2 #6 & 1 #10 GND. - 3/4"C.
60A-1P	2 #6 & 1 #10 GND. - 3/4"C.
208 OR 480 VOLT 1Φ, 2W. CIRCUITS	
20A-2P	2 #12 & 1 #12 GND. - 3/4"C.
30A-2P	2 #10 & 1 #10 GND. - 3/4"C.
40A-2P	2 #8 & 1 #10 GND. - 3/4"C.
50A-2P	2 #6 & 1 #10 GND. - 3/4"C.
60A-2P	2 #6 & 1 #10 GND. - 3/4"C.
208 OR 480 VOLTS, 3Φ, 3W. CIRCUITS	
15A-3P, 20A-3P	3 #12 & 1 #12 GND. - 3/4"C.
30A-3P	3 #10 & 1 #10 GND. - 3/4"C.
40A-3P	3 #8 & 1 #10 GND. - 3/4"C.
50A-3P	3 #6 & 1 #10 GND. - 3/4"C.
60A-3P	3 #6 & 1 #10 GND. - 3/4"C.

NOTES:
1. TYPE MC CABLE SHALL INCLUDE FULL SIZE INSULATED GROUND CONDUCTOR. SIZES AS INDICATED IN SCHEDULE.
2. UPGRADE WIRE SIZE ACCORDING TO VOLTAGE DROP CHART

THREE PHASE AND SINGLE PHASE CIRCUIT SCHEDULE NOTES

1. UNLESS OTHERWISE INDICATED, CONDUCTOR SIZING SHALL MATCH THE SIZE INDICATED FOR THE APPLICABLE OVERCURRENT DEVICE. PROVIDE LARGER CONDUCTORS AND RACEWAY WHERE INDICATED.
2. PROVIDE TYPE AND MINIMUM SIZE OF RACEWAY OR CABLE AS INDICATED IN SPECIFICATION OR ON THE DRAWINGS
3. PROVIDE NEUTRAL IN CIRCUIT UNLESS DEVICE SERVED DOES NOT HAVE PROVISIONS FOR A NEUTRAL CONNECTION.
4. MINIMUM SIZE CONDUIT FOR SCHEDULE 80 OR ENT IS ONE STANDARD ELECTRICAL SIZE LARGER THAN INDICATED IN THE SCHEDULE. PROVIDE LARGER CONDUIT WHERE SPECIFICALLY INDICATED OTHERWISE. DO NOT INSTALL PVC INDOORS.
5. PROVIDE SEPARATE, INSULATED EQUIPMENT GROUNDING CONDUCTOR WITH EACH FEEDER AND BRANCH CIRCUIT.
6. PROVIDE ADDITIONAL ISOLATED GROUND CONDUCTOR SAME SIZE AS THE EQUIPMENT GROUND. IN CIRCUITS TO ISOLATED GROUND PANELS OR DEVICES, GREEN WITH YELLOW STRIPE.
7. FOR PANELS WITH 200% NEUTRAL PROVIDE 200% NEUTRAL USING TWO PHASE SIZED CONDUCTORS IF SIZE #1/0 OR LARGER, OTHERWISE PROVIDE (1) #3/0 NEUTRAL.
8. PROVIDE SEPARATE INDIVIDUAL NEUTRAL FOR ALL CIRCUITS EXCEPT LIGHTING CIRCUITS. PROVIDE A DEDICATED NEUTRAL FOR GFCI OR AFCI CIRCUITS.
9. CIRCUIT SIZING BASED ON 600 VOLT 90°C RATED INSULATION. INTERIOR TYPE THHN/THWN-2 OR XHHW-2 (LARGER THAN SIZE #6). FOR EXTERIOR OR BELOW GRADE UTILIZE RHW-2/USE-2 IN CONDUIT ONE SIZE LARGER. SIZING BASED ON 60°C AMPACITIES FOR 100A OR LESS AND 75°C AMPACITIES OVER 100A.
10. FOR SERVICE ENTRANCE CONDUCTORS IT IS NOT REQUIRED TO INSTALL THE GROUNDING CONDUCTOR. THE NEUTRAL CONDUCTOR IS FULL SIZED AND IS BONDED TO THE GROUNDING ELECTRODE CONDUCTOR AT THE TRANSFORMER AND THE SERVICE DISCONNECT.
11. FOR BATTERY CABLES, INSTALL AND GROUP IN PAIRS (ONE POSITIVE AND ONE NEGATIVE CONDUCTOR) MARK POSITIVE CONDUCTOR WITH 5 OVERLAPPING WRAPS OF RED ELECTRICAL TAPE ON EACH END.

SPACING FOR VERTICAL CONDUCTOR SUPPORTS

	480V FEEDER	CONDUCTORS			
		ALUMINUM OR COPPER-CLAD ALUMINUM		COPPER	
SIZE OF WIRE	SUPPORT OF CONDUCTORS IN VERTICAL RACEWAYS	m	ft	m	ft
18 AWG THROUGH 8 AWG	NOT GREATER THAN	30	100	30	100
6 AWG THROUGH 1/0 AWG	NOT GREATER THAN	60	200	30	100
20 AWG THROUGH 4/0 AWG	NOT GREATER THAN	55	180	25	80
OVER 4/0 AWG THROUGH 350 kcmil	NOT GREATER THAN	41	135	18	60
OVER 350 kcmil THROUGH 500 kcmil	NOT GREATER THAN	36	120	15	50
OVER 500 kcmil THROUGH 750 kcmil	NOT GREATER THAN	28	95	12	40
OVER 750 kcmil	NOT GREATER THAN	26	85	11	35

FLOOR BOX SCHEDULE

ID	DEVICES	LOCATION	BASIS OF DESIGN		NOTES
			MANUFACTURER	MODEL #	
F1	⏚ ▽	SLAB ON GRADE	LEGRAND	RFB4-CI-1	FOUR GANG, CAST IRON RECESSED FLOOR BOX WITH (2) DUPLEX RECEPTACLES BRACKETS, (1) COMMUNICATION BRACKET AND DIE-CAST ALUMINUM COVER ASSEMBLY. (2) DUPLEX RECEPTACLES AND (4) DATA JACKS
F2	⏚ ▽	2ND FLOOR	LEGRAND	RFB4	SAME, EXCEPT SHEET STEEL CONSTRUCTION

"K" FACTOR DRY TYPE TRANSFORMER SCHEDULE

SIZE	kVA	480 VOLT OVERCURRENT	208 VOLT OVERCURRENT	480V FEEDER	120/208V FEEDER	GROUNDING (5)
KT1	9	20A, 3P	30A, 3P	3#12 & 1#12G - 3/4"C.	3#10, 1#6 NEUTRAL & 1#10 - 3/4"C.	1#8 - 3/4"C
KT2	15	30A, 3P	50A, 3P	3#10 & 1#10G - 3/4"C.	3#6, 1#3 NEUTRAL & 1#8G - 1"C.	1#8 - 3/4"C
KT3	30	60A, 3P	100A, 3P	3#6 & 1#10G - 1"C.	3#3, 1#3/0 NEUTRAL & 1#8G - 1 1/2"C	1#8 - 3/4"C
KT4	45	80A, 3P	150A, 3P	3#4 & 1#8G - 1 1/4"C.	3#1/0, 2#1/0 NEUTRAL & 1#6G - 2"C.	1#6 - 3/4"C
KT5	75	150A, 3P	250A, 3P	3#1/0 & 1#6G - 1 1/2"C.	3-250kcmil, 2-250kcmil NEUTRAL & 1#2G - 3"C.	1#2 - 3/4"C
KT6	112.5	200A, 3P	400A, 3P	3#3/0 & 1#6G - 2"C.	3-600kcmil, 2-600kcmil NEUTRAL & 1#1/0G - 4"C.	1#1/0 - 3/4"C.
KT7	150	300A, 3P	500A, 3P	3-350kcmil & 1#4G - 3"C.	6-250kcmil, 4-250kcmil NEUTRAL & 2#1/0G, 2-3"C.	1#1/0 - 3/4"C
KT8	225	400A, 3P	800A, 3P	3-500kcmil & 1#3G - 3 1/2"C.	9-300kcmil, 6-300kcmil NEUTRAL & 3#2/0G, 3-3"C.	1#2/0 - 3/4"C
KT9	300	600A, 3P	1,000A, 3P	6-350kcmil & 2#1G 2-3"C.	9-400kcmil, 6-400kcmil NEUTRAL & 3#3/0G, 3-4"C.	1#3/0 - 3/4"C
KT10	500	900A, 3P	1,600A, 3P	9-350kcmil & 3#2/0G 3-3"C.	12-600kcmil, 8-600kcmil NEUTRAL & 4#3/0G, 4-4"C.	1#3/0 - 3/4"C (6)

TRANSFORMER NOTES:

1. BOND NEUTRAL OF TRANSFORMER SECONDARY TO THE TRANSFORMER CASE, WITH BONDING JUMPER.
2. GROUND THE CASING OF THE TRANSFORMER TO NEAREST AVAILABLE EFFECTIVELY GROUNDED WATER PIPE OR STRUCTURAL STEEL IN ACCORDANCE WITH N.E.C. 250-50 AND 250-52.
3. ALL CONDUCTOR SIZES ARE FOR COPPER CONDUCTORS. N.E.C. TABLE 310-16.
4. SECONDARY OVERCURRENT PROTECTION SHALL BE LOCATED WITHIN TEN (10) FEET OF THE TRANSFORMER SECONDARY TERMINALS EITHER IN A PANELBOARD (MAIN BREAKER) OR A INDIVIDUALLY MOUNTED CIRCUIT BREAKER.
5. TRANSFORMER BONDING JUMPER AND GROUNDING ELECTRODE CONDUCTOR, EXCEPT NOTED OTHERWISE.
6. TRANSFORMER BONDING JUMPER (1-300kcmil).
7. PROVIDE THREE GROUNDING CONNECTIONS. CONNECT GROUNDING ELECTRODE TO THE NEAREST GROUNDED STEEL COLUMN OR CODE APPROVED ELECRODE AND BOND TO THE NEAREST COLD WATER SUPPLY PIPE.
8. GROUNDING ELECTRODE CONDUCTOR IS DOUBLED FOR HIGH FREQUENCY GROUNDING. GROUNDING CONDUCTORS SHALL BE OF UNEQUAL LENGTH. (TEN PERCENT MINIMUM DIFFERENCE). INSTALL IN SAME CONDUIT, BOND CONDUIT TO CONDUCTORS AT BOTH ENDS. DO NOT INSTALL CONDUCTORS IN LOOP.
9. OVERCURRENT DEVICE (OC) CAN BE A CIRCUIT BREAKER OR FUSE AS REQUIRED BY DESIGN.
10. UNLESS OTHERWISE INDICATED ALL TRANSFORMERS ARE SHIELDED ISOLATING TYPE AND HAVE A "K" RATING OF 13.
11. NEUTRAL CONDUCTOR IS RATED 200% FOR HARMONIC CURRENTS.
12. EQUIPMENT GROUNDING CONDUCTORS SHALL BE GREEN, ISOLATED GROUND CONDUCTOR SHALL BE GREEN WITH A YELLOW STRIPE.
13. PROVIDE TYPE AND MINIMUM SIZE OF RACEWAY OR CABLE AS INDICATED IN SPECIFICATIONS OR ON THE DRAWINGS.

DRY TYPE TRANSFORMER SCHEDULE

ID	kVA	480 VOLT OVERCURRENT	208 VOLT OVERCURRENT	480V FEEDER	120/208V FEEDER	GROUNDING (5)
T1	9	20A, 3P	30A, 3P	3#12 & 1#12G - 3/4"C.	4#10 & 1#10G - 3/4"C.	1#8 - 3/4"C
T2	15	30A, 3P	50A, 3P	3#10 & 1#10G - 3/4"C.	4#6 & 1#8G - 1"C.	1#8 - 3/4"C
T3	30	60A, 3P	100A, 3P	3#6 & 1#10G - 1"C.	4#3 & 1#8G - 1 1/4"C.	1#8 - 3/4"C
T4	45	80A, 3P	150A, 3P	3#4 & 1#8G - 1 1/4"C.	4#1/0 & 1#6G - 2"C.	1#6 - 3/4"C
T5	75	150A, 3P	250A, 3P	3#1/0 & 1#6G - 1 1/2"C.	4-250kcmil & 1#2G - 3"C.	1#2 - 3/4"C
T6	112.5	200A, 3P	400A, 3P	3#3/0 & 1#6G - 2"C.	4-600kcmil & 1#1/0G - 4"C.	1#1/0 - 3/4"C.
T7	150	300A, 3P	500A, 3P	3-350kcmil & 1#4G - 3"C.	8-250kcmil & 2#1/0G 2-3"C.	1#1/0 - 3/4"C
T8	225	400A, 3P	800A, 3P	3-500kcmil & 1#3G - 3 1/2"C.	8-400kcmil & 2#3/0G 2-4"C.	1#3/0 - 3/4"C
T9	300	600A, 3P	1000A, 3P	6-350kcmil & 2#1G 2-3"C.	12-400kcmil & 3#3/0G 3-3"C.	1#3/0 - 3/4"C
T10	500	900A, 3P	1600A, 3P	9-350kcmil & 3#2/0G 3-3"C.	16-600kcmil & 4#3/0G 4-4"C.	1#3/0 - 3/4"C (6)

TRANSFORMER NOTES:

1. BOND NEUTRAL OF TRANSFORMER SECONDARY TO THE TRANSFORMER CASE, WITH BONDING JUMPER.
2. GROUND THE CASING OF THE TRANSFORMER TO NEAREST AVAILABLE EFFECTIVELY GROUNDED WATER PIPE OR STRUCTURAL STEEL IN ACCORDANCE WITH N.E.C. 250-50 AND 250-52.
3. ALL CONDUCTOR SIZES ARE FOR COPPER CONDUCTORS. N.E.C. TABLE 310-16.
4. SECONDARY OVERCURRENT PROTECTION SHALL BE LOCATED WITHIN TEN (10) FEET OF THE TRANSFORMER SECONDARY TERMINALS EITHER IN A PANELBOARD (MAIN BREAKER) OR A INDIVIDUALLY MOUNTED CIRCUIT BREAKER.
5. TRANSFORMER BONDING JUMPER AND GROUNDING ELECTRODE CONDUCTOR, EXCEPT NOTED OTHERWISE.
6. TRANSFORMER BONDING JUMPER (1-300kcmil).

LEGEND OF FEEDER SIZES
(COPPER CONDUCTOR)

FEEDER SYMBOL	CONDUIT SIZE	CONDUCTOR SIZE	MAXIMUM AMPERE RATING
15D	3/4"	3#12+#12G	15
15Y	3/4"	4#12+#12G	
30D	3/4"	3#10+#10G	30
30Y	3/4"	4#10+#10G	
50D	3/4"	3#8+#10G	50
50Y	1"	4#8+#10G	
60D	3/4"	3#6+#10G	60
60Y	1 1/4"	4#6+#10G	
80D	1 1/4"	3#4+#8G	80
80Y	1 1/4"	4#4+#8G	
100D	1 1/4"	3#2#8G	100
100Y	1 1/4"	4#2+#8G	
125D	1 1/2"	3#1#6G	125
125Y	1 1/2"	4#1+#6G	
TBS	REFER TO TRANSFORMER SCHEDULE FOR PRIMARY, SECONDARY AND GROUNDING FEEDER SIZES		

NOTE: REFER TO ONE-LINE DIAGRAM FOR MEDIUM AND HIGH VOLTAGE FEEDER SIZES

LEGEND OF FEEDER SIZES
(ALUMINUM PHASE AND NEUTRAL CONDUCTORS, COPPER-GROUNDING)

FEEDER SYMBOL	CONDUIT SIZE	CONDUCTOR SIZE	MAXIMUM AMPERE RATING
150D	1 1/2"	3#1/0+#6G	150
150Y	2"	4#1/0+#6G	
175D	2"	3#2/0+#6G	175
175Y	2"	4#2/0+#6G	
200D	2"	3#3/0+#6G	200
200Y	2"	4#3/0+#6G	
225D	2"	3#4/0+#4G	225
225Y	2 1/2"	4#4/0+#4G	
250D	2 1/2"	3#250 KCMIL+#4G	250
250Y	3"	4#250 KCMIL+#4G	
300D	3"	3#350 KCMIL+#4G	300
300Y	3"	4#350 KCMIL+#4G	
350D	3 1/2"	3#500 KCMIL+#3G	350
350Y	4"	4#500 KCMIL+#3G	

FEEDER SYMBOL	CONDUIT SIZE	CONDUCTOR SIZE	MAXIMUM AMPERE RATING
400D	3 1/2"	3#500 KCMIL+#3G	400
400Y	4"	4#600 KCMIL+#3G	
450D	2-2 1/2"	2 SETS (3#250 KCMIL+#2G)	450
450Y	2-3"	2 SETS (4#250 KCMIL+#2G)	
500D	2-2 1/2"	2 SETS (3#250 KCMIL+#2G)	500
500Y	2-3"	2 SETS (4#250 KCMIL+#2G)	
600D	2-3"	2 SETS (3#350 KCMIL+#1G)	600
600Y	2-3"	2 SETS (4#350 KCMIL+#1G)	
700D	2-3 1/2"	2 SETS (3#500 KCMIL+#1/0G)	700
700Y	2-4"	2 SETS (4#500 KCMIL+#1/0G)	
800D	2-3 1/2"	2 SETS (3#600 KCMIL+#1/0G)	800
800Y	2-4"	2 SETS (4#600 KCMIL+#1/0G)	
900D	3-2 1/2"	3 SETS (3#350 KCMIL+#2/0G)	900
900Y	3-3"	3 SETS (4#350 KCMIL+#2/0G)	

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PROJ. NUMBER:	2206
DATE:	08/25/2023
SCALE:	N.T.S.
DRAWN BY:	MAI
REVISIONS:	

SD MSBA SET

EP602

TECHNOLOGY:

BUTTON	T:	D - DURESS L - LOCKDOWN R - RELEASE
CARD READER	T:	P - PROXIMITY
CPU TOWER	T:	M - MULTIPLE SYSTEMS
DOOR CONTACT	T:	B - BALANCED MAG I - INDUSTRIAL
ELECTRIC LOCK	T:	MO - MORTISE MORX - MORTISE WITH REQUEST TO EXIT
EXIT DEVICE	T:	ERX - ELECTRIFIED WITH REQUEST TO EXIT
FIXED CAMERA	T:	D - DOME FE - FISHEYE
HINGE	T:	EH - ELECTRIFIED HINGE
INTERCOM	T:	MV - MASTER VIDEO STATION VD - VIDEO DOOR STATION
KEYPAD	T:	I - INTRUSION
MONITOR	T:	M - MULTIPLE SYSTEMS
MULTI LENS CAMERA	T:	360 - 360 DEGREES
SENSOR	T:	M - MOTION

GENERAL NOTES:

1. PROVIDE ALL LABOR, EQUIPMENT AND MATERIALS FOR ALL WORK INDICATED AS NECESSARY TO PROVIDE A COMPLETE AND USABLE SYSTEM. ALL ITEMS SHOWN AND SPECIFIED ARE TO BE NEW AND SHALL BE PROVIDED BY THE SECURITY SUBCONTRACTOR UNLESS SPECIFICALLY STATED OTHERWISE.
2. IN CASES WHERE THE TERM 'PROVIDE' IS USED THROUGHOUT THE CONTRACT DOCUMENTATION, IT SHALL MEAN FURNISH, INSTALL AND SERVICE.
3. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE FOLLOWING REQUIREMENTS: NATIONAL ELECTRICAL CODE (NEC) (NFPA 70), THE NATIONAL LIFE SAFETY CODE (NFPA101), THE APPLICABLE STATE BUILDING CODE AND ALL STATE AND LOCAL ORDINANCES THAT MAY SUPPLEMENT OR SUPERCEDE NATIONAL CODES.
4. THE SECURITY SUBCONTRACTOR SHALL OBTAIN AND PAY FOR ALL INSPECTIONAL AND PERMITTING FEES AS REQUIRED BY LAW.
5. THE SECURITY SUBCONTRACTOR SHALL VISIT THE SITE AND REVIEW ALL DRAWINGS AND SPECIFICATIONS TO ESTABLISH EXISTING SITE CONDITIONS AND COORDINATE REQUIREMENTS AND POINTS OF INTERFERENCE WITH OTHER TRADES AND WORK AS NECESSARY. NO SUBSEQUENT COST CLAIMS SHALL BE ALLOWED FOR DIFFERING SITE CONDITIONS NOR FOR INCREASED COST DUE TO COORDINATION REQUIREMENTS WITH OTHER TRADES.
6. THE SECURITY SUB CONTRACTOR SHALL COORDINATE ALL WORK WITH ALL TRADES PRIOR TO ROUGH-IN.
7. THE SECURITY SUBCONTRACTOR SHALL VERIFY ALL EQUIPMENT CHARACTERISTICS AND MOUNTING REQUIREMENTS PRIOR TO DEVICE AND CABLE ROUGH IN.
8. THE SECURITY SUBCONTRACTOR SHALL COORDINATE ALL REQUEST TO EXIT AND CCTV CAMERA TRIM AND ACCESSORIES WITH THE WALL/CEILING PROVIDED. PROVIDE ALL FITTINGS, TRIM, ETC FOR A COMPLETE INSTALLATION AT EACH CONTROL POINT.
9. THE SECURITY SUBCONTRACTOR SHALL PROVIDE A WRITTEN WARRANTY STATING THAT ALL MATERIALS AND WORKMANSHIP ARE FREE FROM DEFECTS FOR A PERIOD OF TWELVE (12) MONTHS FROM THE DATE OF FINAL ACCEPTANCE BY THE OWNER. IN ADDITION, DELIVER TO THE OWNER ALL WARRANTY AGREEMENTS FROM THE EQUIPMENT MANUFACTURERS.
10. WHERE APPLICABLE, COORDINATE PLACEMENT OF DURESS SWITCHES WITH OWNER'S REPRESENTATIVE. THE DEVICE SHOULD BE PLACED IN AN INCONSPICUOUS LOCATION WITHIN REACH OF PERSONNEL INTENDED TO UTILIZE THE DEVICE, UNOBSTRUCTED BY FURNITURE OR OTHER EQUIPMENT.
11. POWER SUPPLIES FOR ALL SECURITY DEVICES SHALL BE BACKED UP FROM UNINTERRUPTIBLE POWER SUPPLIES (UPS). THIS MAY BE ACCOMPLISHED BY MEANS OF INDIVIDUAL UPS UNITS SEGMENTED BY GROUPED SECURITY EQUIPMENT, UPS BACKUP ON PRIMARY 120/208/240VAC BRANCH CIRCUITS SUPPLYING SECURITY EQUIPMENT OR GENERATOR BACKED PRIMARY 120/208/240VAC BRANCH CIRCUITS SUPPLYING SECURITY EQUIPMENT AS LONG AS POWER SUPPLIES FED FROM SAID BRANCH CIRCUITS HAVE SUFFICIENT ON BOARD BATTERY SUPPORT TO MAINTAIN SYSTEM OPERATION DURING GENERATOR FAIL OVER TIME. IN NO CASE SHALL UPS RUNTIME BE LESS THAN ONE HOUR; THIS TIME MAY BE SUPERCEDED BY ADDITIONAL REQUIREMENTS WITHIN THE SPECIFICATION.
12. WHERE BACKUP POWER IS ACCOMPLISHED BY MEANS OF INDIVIDUAL UPS UNITS SEGMENTED BY GROUPED SECURITY EQUIPMENT, THE SECURITY SUBCONTRACTOR SHALL PROVIDE THE UPS.
13. BRANCH CIRCUITS SUPPLYING POWER TO SECURITY DEVICES SHALL BE DEDICATED TO AND ONLY POWER SECURITY RELATED DEVICES. NO NON-SECURITY RELATED EQUIPMENT SHALL BE POWERED BY BRANCH CIRCUITS SUPPLYING POWER TO SECURITY DEVICES UNLESS THE ELECTRICAL CONTRACTOR IS GRANTED PERMISSION BY THE SECURITY SYSTEM DESIGN ENGINEER.
14. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL POWER, CONDUITS, BACK BOXES AND RACEWAYS, WHETHER SHOWN ON THE PLANS OR NOT, REQUIRED FOR THE SECURITY SYSTEM.
15. ALL PENETRATIONS OF FIRE RATED FLOOR SLABS, FIRE RATED WALLS AND FIRE RATED ENCLOSURES SHALL BE SLEEVED IN APPROPRIATELY SIZED RIGID STEEL CONDUIT AND FIRESTOPPED IN ACCORDANCE WITH THE ELECTRICAL SPECIFICATION, THE NATIONAL ELECTRICAL CODE AND ALL APPLICABLE FIRE CODES. SLEEVING AND FIRESTOPPING SHALL BE PROVIDED BY THE INDIVIDUAL PENETRATING SAID SLAB OR WALL. FIRESTOPPING SYSTEMS SHALL BE HILTI BRAND AND INSTALLED AS APPROPRIATE FOR THE PENETRATION AND IN ACCORDANCE WITH THIS SECTION AND THE HILTI INSTALLATION INSTRUCTIONS.
16. ALL OTHER PENETRATIONS NOT ADDRESSED ABOVE AND DISRUPTIONS TO SURFACES SHALL BE PATCHED AND PAINTED TO MATCH EXISTING PLASTER, WALLPAPER OR OTHER FINISHED SURFACES.
17. ALL ROOF PENETRATIONS SHALL BE COORDINATED WITH THE ROOFING CONTRACTOR PRIOR TO THE FINAL WATERPROOFING OF THE ROOFING MATERIALS AND IT SHALL BE THE RESPONSIBILITY OF THE ROOFING CONTRACTOR TO MAKE THE PENETRATION. PENETRATIONS SHALL BE SLEEVED IN APPROPRIATELY SIZED RIGID STEEL CONDUIT BUT SHALL NOT BE LESS THAN 3/4" TRADE SIZE AND PROPERLY AND SUFFICIENTLY SUPPORTED TO PREVENT DAMAGE TO THE STRUCTURE OR THE CONDUIT. IN NO CASE SHALL THE CONDUIT EXTENDING THROUGH THE ROOF HAVE LESS THAN TWO (2) SUPPORTS SECURING THE CONDUIT TO THE STRUCTURE. IN NO CASE SHALL THE ROOF DECKING MATERIAL, FLASHING OR SEALANTS BE CONSIDERED ONE OR BOTH OF THE SUPPORTS REQUIRED. THE ROOFING CONTRACTOR IS ALSO RESPONSIBLE TO PROVIDE PROPER FLASHING AND SEALANTS TO MAKE A WATERTIGHT SEAL AROUND THE CONDUIT AND PENETRATION. FAILURE TO PROPERLY COORDINATE THESE PENETRATIONS WITH THE ROOFING CONTRACTOR THAT RESULT IN ADDITIONAL COSTS BY THE ROOFING CONTRACTOR WILL BE ABSORBED BY THE PARTY RESPONSIBLE FOR THE COORDINATION DEFICIENCY.
18. WHERE INSTALLED OUTDOORS OR IN DAMP OR HUMID ENVIRONMENTS, ENCLOSURES UTILIZED TO HOUSE SECURITY EQUIPMENT, USED AS PULL BOXES FOR SECURITY CABLING OR USED TO CONTAIN SPLICES FOR SECURITY CABLING SHALL BE OF A FIBERGLASS NEMA 4X RATING OR BETTER UNLESS APPROVED OTHERWISE BY THE SECURITY SYSTEM DESIGN ENGINEER.
19. WHERE INSTALLED OUTDOORS OR IN DAMP OR HUMID ENVIRONMENTS, ENCLOSURES UTILIZED TO HOUSE SECURITY EQUIPMENT, USED AS PULL BOXES FOR SECURITY CABLING OR USED TO CONTAIN SPLICES FOR SECURITY CABLING SHALL NOT BE PENETRATED ON THE TOP OF THE ENCLOSURE.
20. THE DOOR HARDWARE VENDOR IS RESPONSIBLE FOR PROVIDING THE DOOR HARDWARE, INCLUDING ELECTRIFIED CRASHBARS, CRASHBAR POWER SUPPLIES, TRANSFER HINGES AND ELECTRIC LOCKING DEVICES INCLUDING MAGNETIC LOCKS, ELECTRIC STRIKES, ELECTRIC MORTISE LOCKS AND ELECTRIC LEVERSETS.
21. THE DOOR HARDWARE VENDOR IS RESPONSIBLE FOR PREPPING THE APPROPRIATE DOOR FRAMES TO RECEIVE THE DOOR CONTACT(S), TRANSFER HINGE(S) AND ANY OTHER ELECTRIC LOCKING DEVICE(S) THAT ARE REQUIRED BY THE SECURITY SYSTEM.
22. THE SECURITY SUBCONTRACTOR IS RESPONSIBLE FOR FURNISHING AND INSTALLING ALL OF THE LOW VOLTAGE WIRING AND FIBER OPTIC CABLE FOR THE SECURITY DEVICES.
23. ALL LOW VOLTAGE CABLING SHALL HAVE JACKETING APPROPRIATE FOR THE ENVIRONMENT IN WHICH IT IS INSTALLED. DIRECT BURIAL CABLE IS REQUIRED FOR INSTALLATION IN ANY UNDERGROUND OR EXTERIOR MOUNTED RACEWAY.
24. ALL LOW VOLTAGE CABLING, WHERE INSTALLED IN AN UNDERGROUND ENVIRONMENT MUST BE INSTALLED INSIDE A RACEWAY SUITABLE FOR THE ENVIRONMENT IN WHICH IS INSTALLED AND AT A DEPTH IN ACCORDANCE WITH NEC TABLE 300.5.
25. NO LOW VOLTAGE CABLING SHALL BE LESS THAN #22AWG WITH THE EXCEPTION OF CATEGORY (CAT) CABLING FOR NETWORKED DEVICES AND FACTORY MANUFACTURED AND ASSEMBLED CABLE ASSEMBLIES.
26. THE SECURITY SUBCONTRACTOR IS RESPONSIBLE FOR TERMINATING ANY AND ALL FIELD CABLING THAT TERMINATES AT FIELD DEVICES AND PATCH PANEL DEMARCATION POINTS REGARDLESS OF LOCATION, INCLUDING FIBER OPTIC TERMINATIONS.
27. THE SECURITY SUBCONTRACTOR IS RESPONSIBLE FOR INSTALLING AND TERMINATING LOW VOLTAGE FIELD DEVICES AND INSTALLING HEAD END PANELS AND POWER SUPPLIES. THE SECURITY SUBCONTRACTOR IS RESPONSIBLE TO PROVIDE HEAD END TERMINATIONS, PROGRAMMING AND TESTING OF THE SECURITY SYSTEM.
28. THE SECURITY SUBCONTRACTOR IS RESPONSIBLE FOR INSTALLING THE ACCURATE NUMBER OF ENCLOSURES FOR THEIR SYSTEMS. THIS INCLUDES EXPANSION ENCLOSURES FOR ADDITIONAL DOOR CONTROLLERS, INPUT/OUTPUT BOARDS FOR BOTH THE ACCESS CONTROL AND INTRUSION SYSTEM.
29. ALL DEVICE CABLING IS A HOMERUN FROM THE DEVICE TO THEIR ASSOCIATED PANEL. DAISY CHAINING OF DEVICES IS NOT PERMITTED.

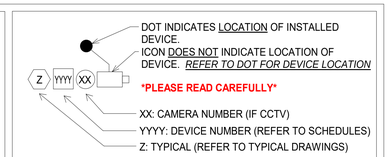
Sheet List

Sheet Number	Sheet Name
SE000	SECURITY DEVICE SYSTEM COVER
SE100	SITE SECURITY PLAN
SE101.1	LEVEL 1 - ARTS WING SECURITY PLAN
SE101.2	LEVEL 1 - FITNESS WING SECURITY PLAN
SE101.3	LEVEL 1 - CLASSROOM EAST SECURITY PLAN
SE101.4	LEVEL 1 - CLASSROOM WEST SECURITY PLAN
SE101.5	LEVEL 1 - ENLARGED SECURITY PLANS
SE102.1	LEVEL 2 - ARTS WING SECURITY PLAN
SE102.2	LEVEL 2 - CLASSROOM EAST SECURITY PLAN
SE102.3	LEVEL 2 - CLASSROOM WEST SECURITY PLAN
SE111	LEVEL 1 - SECURITY REFLECTED CEILING PLAN
SE112	LEVEL 2 - SECURITY REFLECTED CEILING PLAN

TYPICAL MOUNTING HEIGHTS:

25'-0"	EXTERIOR CCTV SURVEILLANCE CAMERAS MOUNTED ON LIGHT POLES
10'-0" TO 12'-0"	EXTERIOR BUILDING MOUNTED CCTV SURVEILLANCE CAMERAS (COORDINATE IN FIELD FOR MOUNTING HEIGHT)
CEILING	CCTV SURVEILLANCE CAMERAS, PUBLIC ADDRESS AND VOICE EVACUATION SPEAKERS, RTE MOTION SENSOR WHERE GLAZING CONTINUES TO CEILING OVER DOOR, WIRELESS DURESS RECEIVER.
8" ABOVE DOOR JAMB	REQUEST TO EXIT MOTION DETECTOR AND DURESS LIGHTS
TOP OF DOOR JAMB	RECESSED DOOR CONTACT
48"	NEMA 4 ENCLOSURES FOR POLE MOUNTED EXTERIOR CAMERAS
42"	INTERCOM STATIONS, CARD READERS, WALL MOUNTED DURESS ALARM STATIONS, WALL MOUNTED REQUEST TO EXIT PUSH BUTTONS
0'-0"	

1. INSTALL IN ACCORDANCE WITH ALL APPLICABLE NATIONAL, STATE, PROVINCIAL, REGIONAL, AND LOCAL CODES, STANDARDS AND LAWS.
2. IN MASONRY CONSTRUCTION THE MOUNTING HEIGHTS SHALL BE USED FOR REFERENCE TO THE NEAREST BLOCK OR BRICK COURSING.
3. THE ABOVE MOUNTING ELEVATIONS ARE TO CENTER OF DEVICE AND SHALL BE ADHERED UNLESS SPECIFICALLY NOTED OR DETAILED OTHERWISE ON THE DRAWINGS AND/OR SPECIFICATIONS.
4. COORDINATE THE INSTALLATION AND MOUNTING ELEVATIONS OF ALL EQUIPMENT, DEVICES, CONTROLS AND APPURTENANCES WITH PROFESSIONAL AND ALL AFFECTED TRADES PRIOR TO INSTALLATION, DOCUMENT ALL MOUNTING ELEVATIONS FOR ALL EQUIPMENT , DEVICES, AND APPURTENANCES AT THE TIME OF SHOP DRAWINGS SUBMISSION.



DOT INDICATES LOCATION OF INSTALLED DEVICE.
ICON DOES NOT INDICATE LOCATION OF DEVICE. *REFER TO DOT FOR DEVICE LOCATION*

PLEASE READ CAREFULLY

XX: CAMERA NUMBER (IF CCTV)
YYYY: DEVICE NUMBER (REFER TO SCHEDULES)
Z: TYPICAL (REFER TO TYPICAL DRAWINGS)
M = MOUNT
T = TECHNOLOGY/TYPE (SPECIFIC TO DEVICE)

CONNECTIVITY = C

M:
- P - POLE
- PE - PEDESTAL
- T - TURNSTILE
- S - SURFACE
- F - FLUSH
- R - RECESSED
- M - MULLION
- D - DESK
- W - WALL
- C - CEILING
- ST - SOFFIT
- CO - CORNER
- G - GATE
- B - BURIED
- H - HIDDEN
- RF - ROOF
- PP - PARAPET
- CPN - CEILING PENDANT
- WPN - WALL PENDANT
- K - RACK
- VCC - VANDAL RESISTANT CEILING CORNER
- SA - STANDALONE

C:
- N - NETWORK/IP BASED
- W - WIRELESS
- H - HARDWIRED
- S - STANDALONE
- L - LASER
- U - UTP
- FO - FIBER OPTIC
- MO - MOBILE
- NA - NOT APPLICABLE

CABLE LEGEND W/BELDEN

A	22Awg	4 cond SH	A 6502FE
B	22Awg	4 cond	B 6502UE
C	18Awg	2 cond	C 6300UE
D	22Awg	6 cond SH	D 6504FE
E	12Awg	2 cond	E 6000UE
F	22Awg	12 cond	F 6509UE
G	RG-59U	Coax	G 643948
H	18Awg	2 cond SH	H 6300FE
J	18Awg	4 cond	J 6302UE
K	18Awg	6 cond SH	K 6304FE
L	RG-6	Coax	L 633948
M	22Awg	6 cond	M 6504UE
N	16Awg	2 cond	N 6200UE
P	Cat 5e		P 1701A
P6	Cat 6A		P6 7852A
R	24Awg	1pr. Low Cap	R 82841
S	24Awg	2pr. Low Cap	S 82842
T	16Awg	1pr. cond SH	T 6200FE
U	20Awg	2pr. SH/Un	(WP 25359)
X	DB Composite		X 5439W5
Z	Multi Composite-Access		Z 658AFS
QC	Quick Connect		

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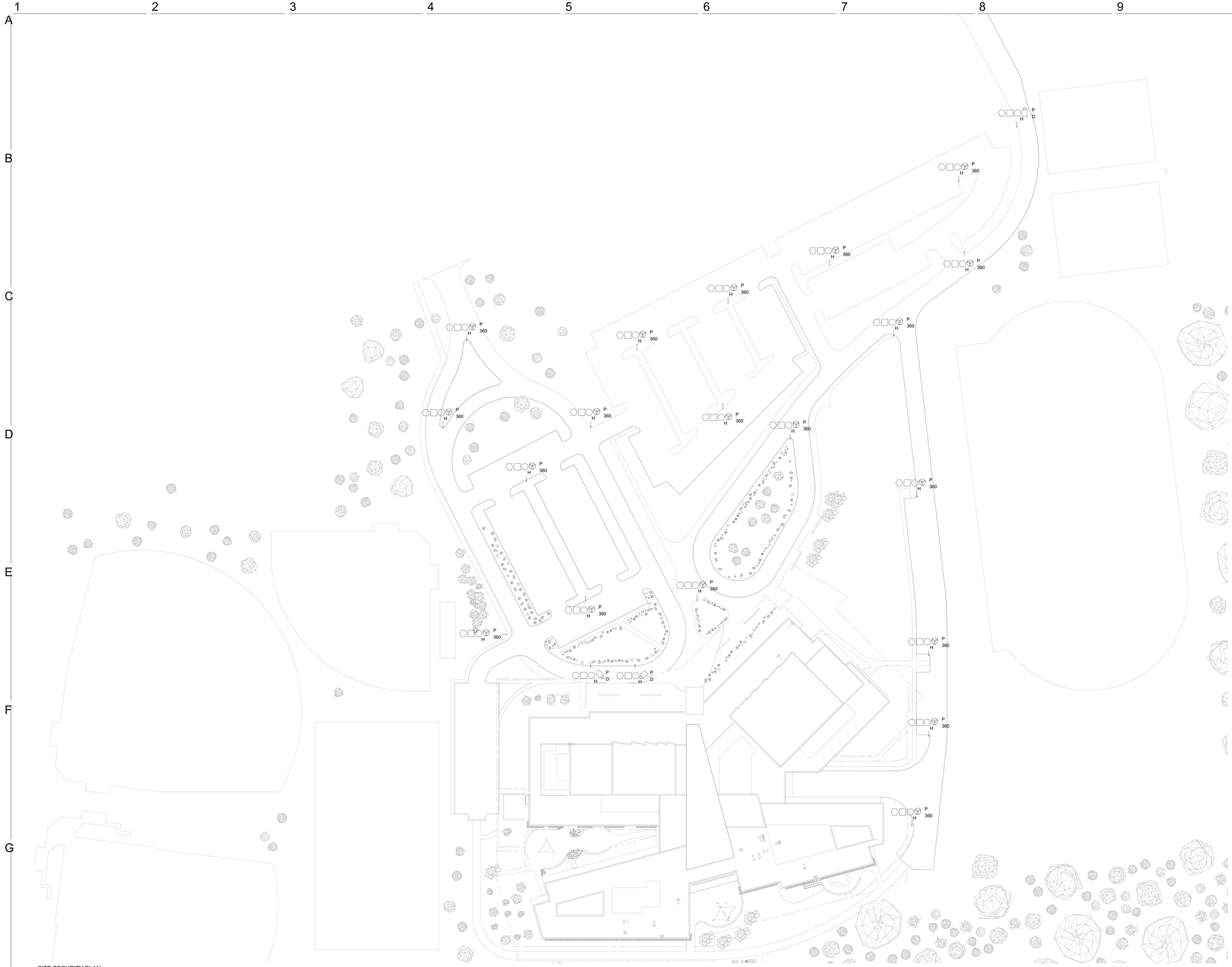
SECURITY DEVICE SYSTEM COVER

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	8/11/2023
SCALE:	
DRAWN BY:	CL
REVISIONS:	

SD MSBA SET

SE000



1 SITE SECURITY PLAN
1" = 50'-0"

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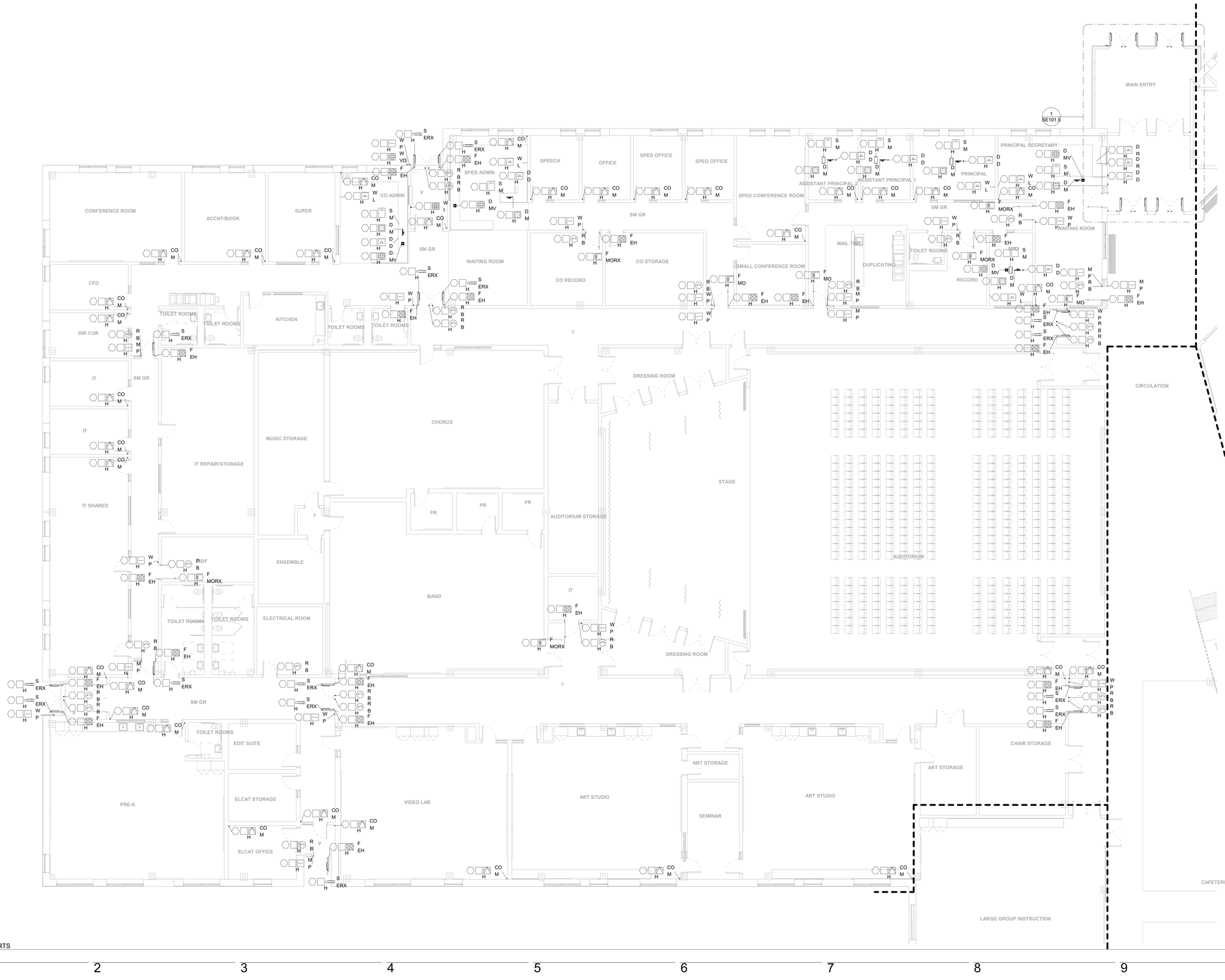
SITE SECURITY PLAN

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	8/11/2023
SCALE:	1" = 50'-0"
DRAWN BY:	Author
REVISIONS:	

SD MSBA
SET

SE100



1 LEVEL 1 - ARTS
1/8" = 1'-0"

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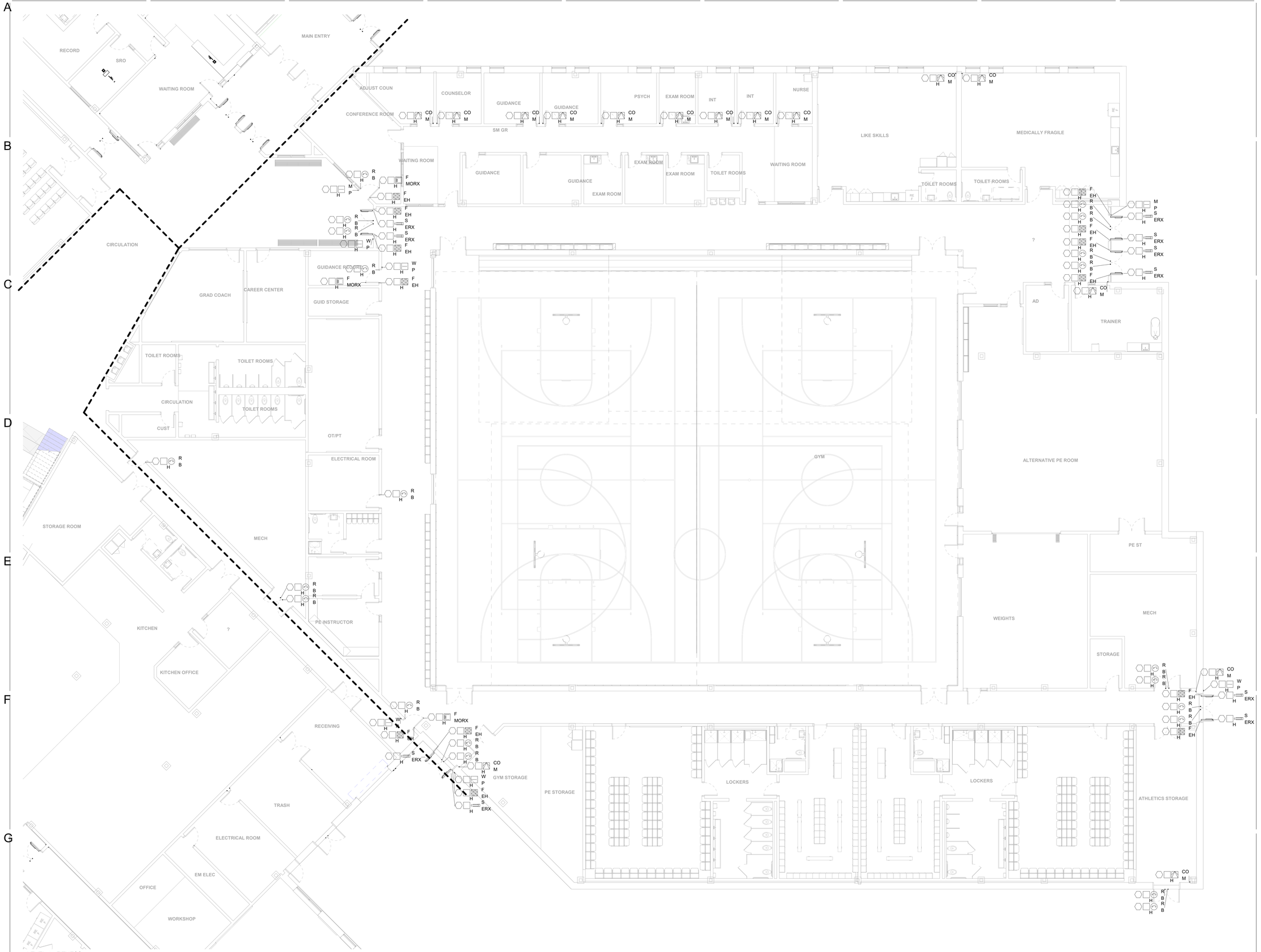
LEVEL 1 - ARTS WING SECURITY PLAN

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	8/11/2023
SCALE:	1/8" = 1'-0"
DRAWN BY:	CL
REVISIONS:	

SD MSBA SET

SE101.1



1 LEVEL 1 - FITNESS
1/8" = 1'-0"

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LEVEL 1 - FITNESS WING SECURITY PLAN

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	8/11/2023
SCALE:	1/8" = 1'-0"
DRAWN BY:	CL
REVISIONS:	

SD MSBA SET

SE101.2

1 LEVEL 1 - CLASSROOM EAST
1/8" = 1'-0"

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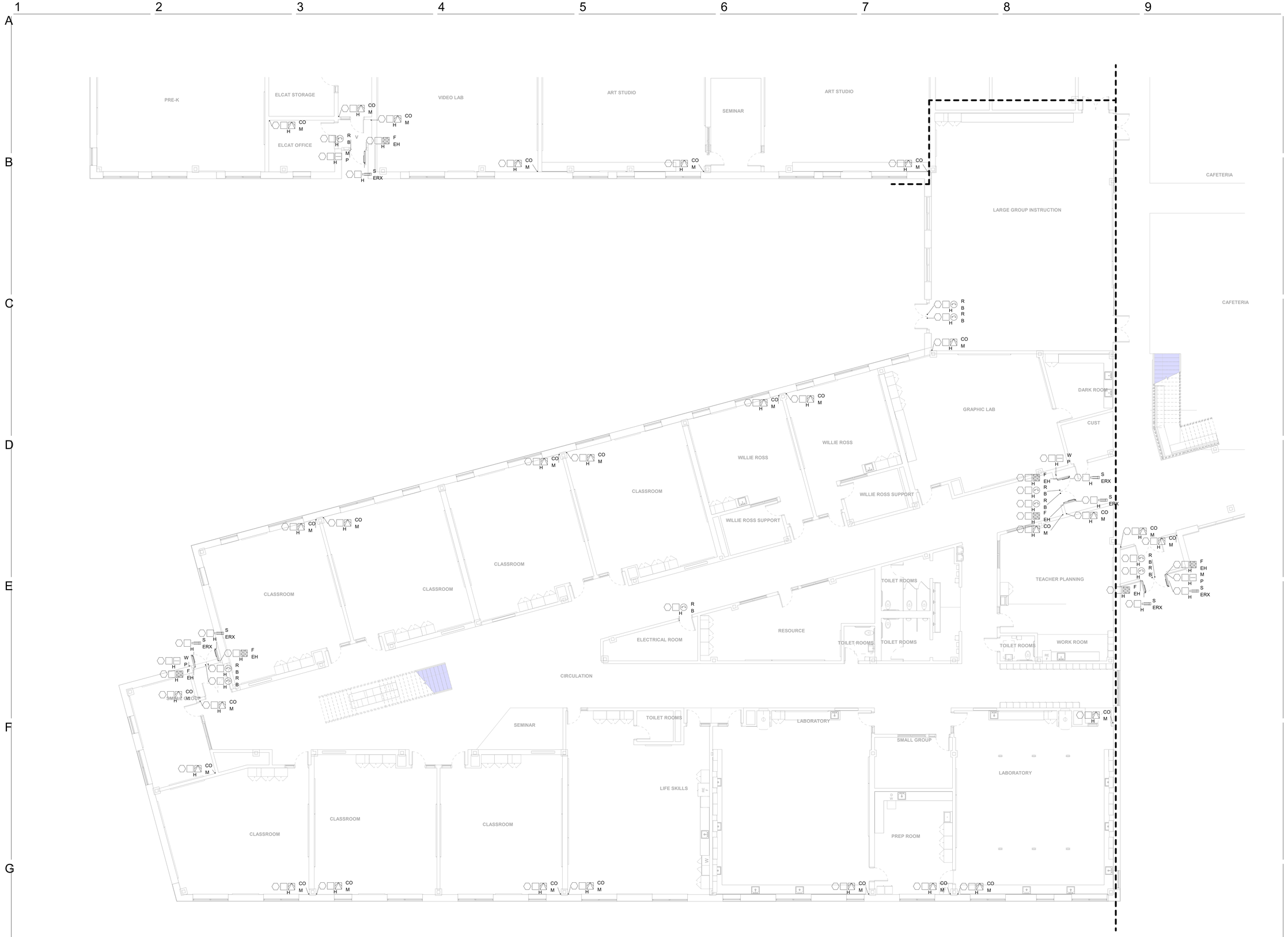
LEVEL 1 - CLASSROOM EAST SECURITY PLAN

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	8/11/2023
SCALE:	1/8" = 1'-0"
DRAWN BY:	CL
REVISIONS:	

SD MSBA SET

SE101.3



1 LEVEL 1 - CLASSROOM WEST
1/8" = 1'-0"

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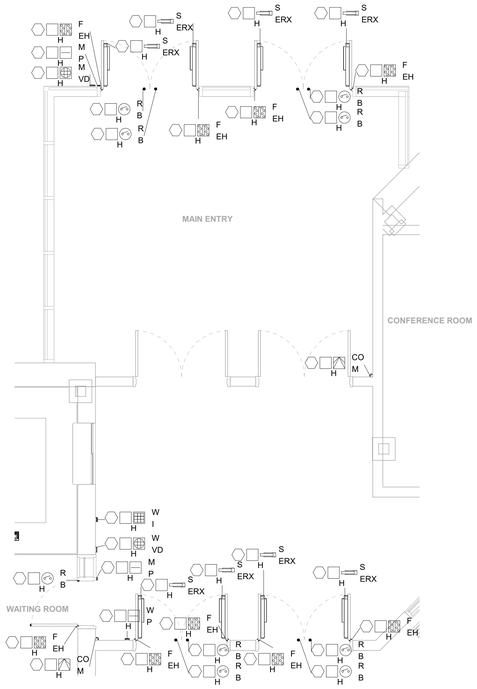
LEVEL 1 - CLASSROOM WEST SECURITY PLAN

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	8/11/2023
SCALE:	1/8" = 1'-0"
DRAWN BY:	CL
REVISIONS:	

SD MSBA SET

SE101.4



1 LEVEL 1 - MAIN ENTRY
1/4" = 1'-0"

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LEVEL 1 - ENLARGED SECURITY PLANS

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	8/11/2023
SCALE:	1/4" = 1'-0"
DRAWN BY:	CL
REVISIONS:	

SD MSBA SET

SE101.5

1 LEVEL 2 - ARTS
1/8" = 1'-0"

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LEVEL 2 - ARTS WING SECURITY PLAN

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	8/11/2023
SCALE:	1/8" = 1'-0"
DRAWN BY:	CL
REVISIONS:	

SD MSBA
SET

SE102.1

1 LEVEL 2 - CLASSROOM EAST
1/8" = 1'-0"

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LEVEL 2 - CLASSROOM EAST SECURITY PLAN

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	8/11/2023
SCALE:	1/8" = 1'-0"
DRAWN BY:	CL
REVISIONS:	

SD MSBA SET

SE102.2

1 LEVEL 2 - CLASSROOM WEST
1/8" = 1'-0"

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LEVEL 2 - CLASSROOM WEST SECURITY PLAN

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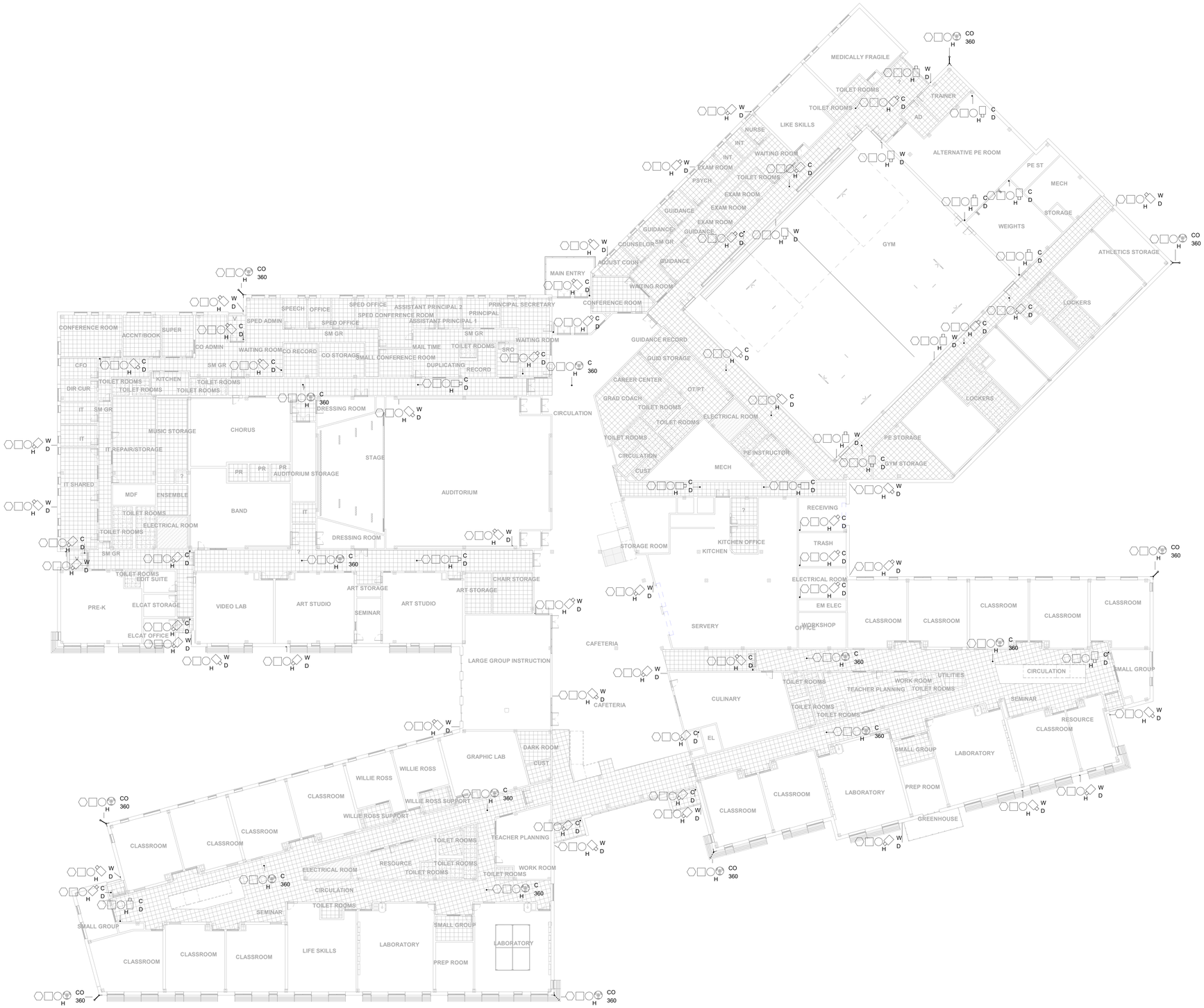
PROJ. NUMBER:	2206
DATE:	8/11/2023
SCALE:	1/8" = 1'-0"
DRAWN BY:	CL
REVISIONS:	

SD MSBA SET

SE102.3



1 LEVEL 1 - SECURITY RCP
1" = 20'-0"

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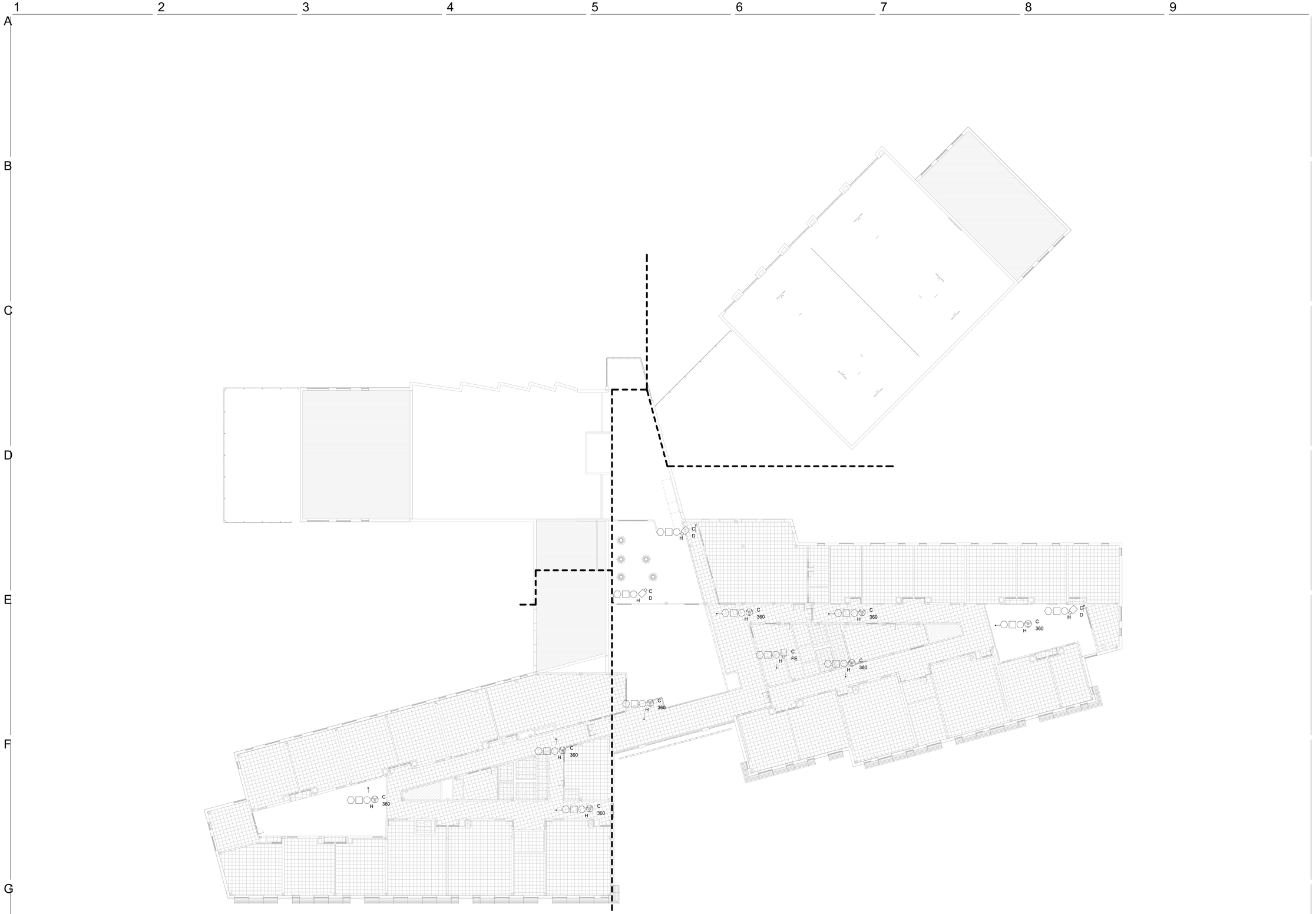
LEVEL 1 - SECURITY REFLECTED CEILING PLAN

EAST LONGMEADOW HIGH SCHOOL
180 MAPLE STREET
EAST LONGMEADOW, MA 01028

PROJ. NUMBER:	2206
DATE:	8/11/2023
SCALE:	1" = 20'-0"
DRAWN BY:	CL
REVISIONS:	

SD MSBA SET

SE111



1 LEVEL 2 - SECURITY RCP
1" = 20'-0"

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LEVEL 2 - SECURITY REFLECTED CEILING PLAN

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PROJ. NUMBER:	2206
DATE:	8/11/2023
SCALE:	1" = 20'-0"
DRAWN BY:	CL
REVISIONS:	

SD MSBA SET

SE112