



Institute for Human Centered Design

Meghan Dufresne, LEED AP
Institute for Human Centered Design
200 Portland Street, 1st Floor
Boston MA 02114

June 2, 2022

Jennifer Soucy, AIA
Senior Associate, Project Architect
SMMA
1000 Massachusetts Avenue
Cambridge, Massachusetts 02138

Dear Ms. Soucy,

IHCD has reviewed the Concord Middle School DD Progress Set dated 04.15.22 and provided comments. Issues having to do with code compliance are highlighted in red; recommendations having to do with enhanced usability are highlighted in purple; and inclusive design recommendations are highlighted in green.

Sincerely,

Meghan Dufresne, LEED AP



CONCORD MIDDLE SCHOOL

835 OLD MARLBORO ROAD, CONCORD, MA 01742

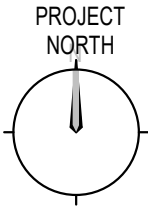
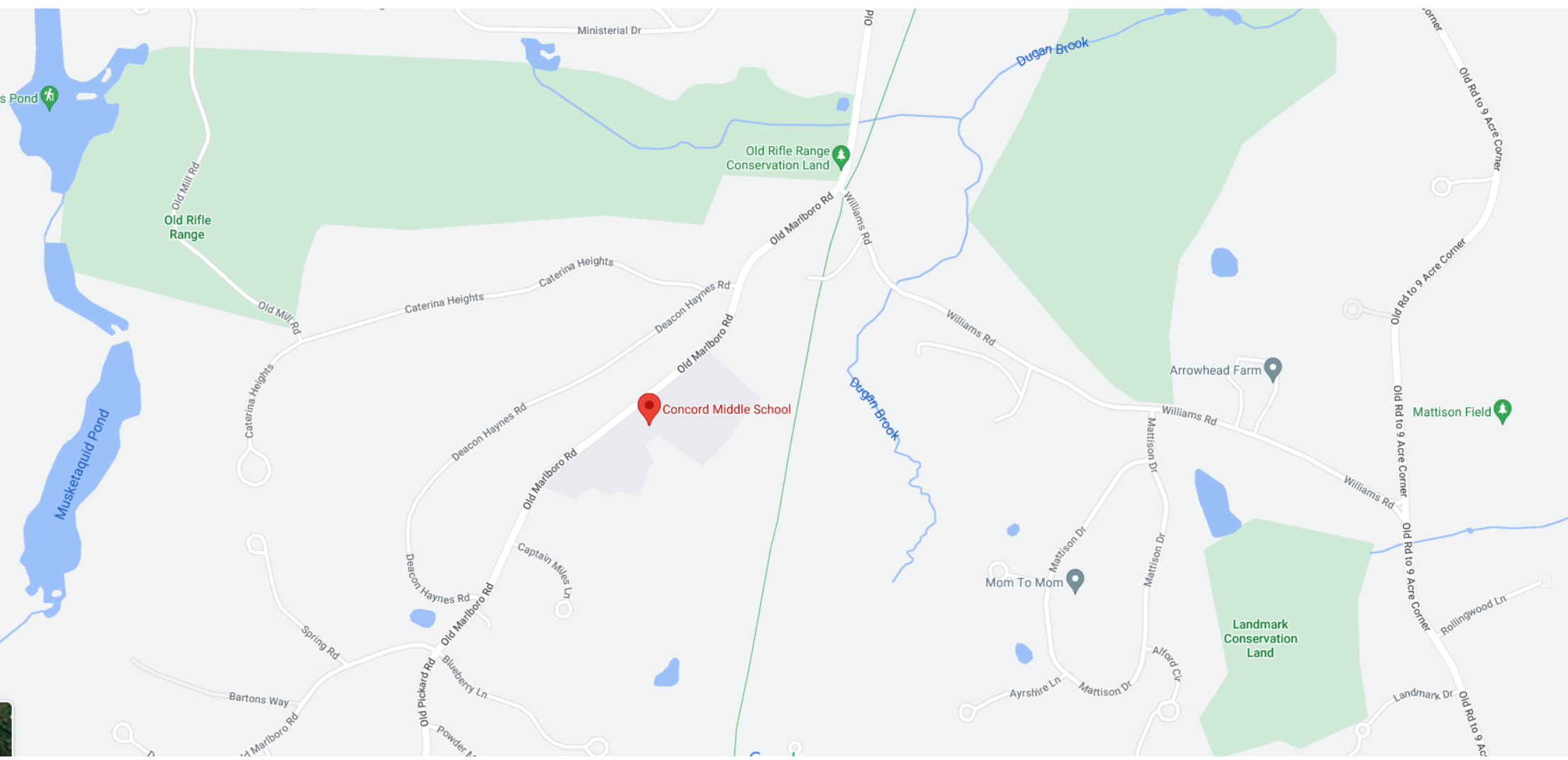
DD PROGRESS SET 04/15/2022 19153

PROJECT TEAM

CLIENT: TOWN OF CONCORD
ADDRESS: 22 MONUMENT SQUARE, CONCORD, MA 01742
CONTACT NAME:
TELEPHONE NUMBER:
CIVIL ENGINEER: NITSOCH ENGINEERING
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CONTACT NAME:
TELEPHONE NUMBER:
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ADDRESS: 100 MASSACHUSETTS AVE, CAMBRIDGE, MA 02138
CONTACT NAME:
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ADDRESS: 100 MASSACHUSETTS AVE, CAMBRIDGE, MA 02138
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EDUCATIONAL PLANNING/ARCHITECTURE: ERWING COLE
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TELEPHONE NUMBER: 212.897.4033
MECHANICAL PLUMBING & FIRE PROTECTION ENGINEER: SYMMES MANI MOCKE ASSOCIATES
ADDRESS: 100 MASSACHUSETTS AVE, CAMBRIDGE, MA 02138
CONTACT NAME:
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CONTACT NAME: IRVING MASSELO
TELEPHONE NUMBER: 617.499.8000
DATA / COMMUNICATIONS AND SECURITY CONSULTANT: 351
ADDRESS: 188 MAIN STREET, SUITE 3, NORTHFIELD, MA 01360
CONTACT NAME: AARON DIBARI
TELEPHONE NUMBER: 413.498.5001 X221
FOOD SERVICE CONSULTANT: 351
ADDRESS: 188 MAIN STREET, SUITE 3, NORTHFIELD, MA 01360
CONTACT NAME: AARON DIBARI
TELEPHONE NUMBER: 413.498.5001 X221



LOCUS MAP



INDEX OF DRAWINGS

SYMBOL LEGEND: ■ CURRENT ISSUE ■ PREVIOUSLY ISSUED

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F

E

D

C

B

A

GENERAL NOTES

DELETE THESE GENERAL NOTES IF YOU
WILL BE ISSUING SHEET SPECIFICATIONS
OR BOOK SPECIFICATIONS

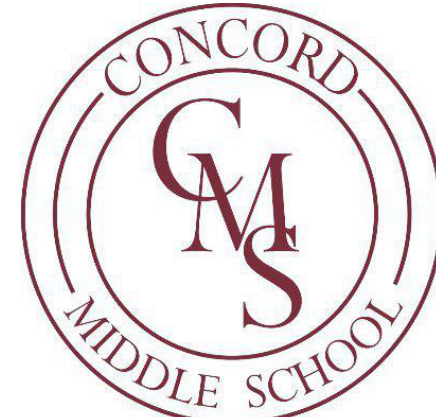
- CODE COMPLIANCE:** WORK SHALL CONFORM TO FEDERAL, STATE AND MUNICIPAL CODES AND ORDINANCES. IN CASE OF CONFLICT BETWEEN CONTRACT DOCUMENTS AND CODE NOTIFY THE ARCHITECT IN WRITING IMMEDIATELY.
- PERMITS:** OBTAIN PERMITS PRIOR TO STARTING WORK.
- CONTRACT DOCUMENTS:** THE CONTRACT DOCUMENTS CONSIST OF THE DRAWINGS AND SPECIFICATIONS; GENERAL CONDITIONS OF THE CONTRACT; OWNER-CONTRACTOR AGREEMENTS AND MODIFICATIONS ISSUED AFTER EXECUTION OF THE CONTRACT.
- THE WORK:** THE TERM "WORK" AS USED IN CONSTRUCTION DOCUMENTS SHALL INCLUDE ALL PROVISIONS AS DRAWN OR SPECIFIED IN THESE DOCUMENTS AS WELL AS OTHER PROVISIONS SPECIFICALLY INCLUDED BY THE ARCHITECT IN THE FORM OF DRAWINGS, SPECIFICATIONS, OR WRITTEN AND OTHER INSTRUCTIONS ISSUED BY THE ARCHITECT.
- REQUIREMENTS FOR THE WORK:** PROVIDE LABOR, SUPERVISION, TOOLS, EQUIPMENT, MATERIALS AND SUPPLIES FOR DEMOLITION, TEMPORARY AND NEW CONSTRUCTION REQUIRED BY THE CONTRACT DOCUMENTS.
 - UNLESS INDICATED IN THE CONSTRUCTION DOCUMENTS AS NOT IN CONTRACT (N.I.C.) OR EXISTING, ALL ITEMS, MATERIALS AND THEIR INSTALLATION ARE A PART OF THE CONSTRUCTION DOCUMENTS. PROVIDE ACCESSORIES, COMPONENTS AND ASSEMBLIES NECESSARY FOR THE WORK.
 - THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, FOR ACTS OR OMISSIONS BY CONTRACTOR, OR SUBCONTRACTORS, AND FOR THE FAILURE OF EITHER TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
 - NOTIFY THE OWNER AND ARCHITECT OF DISCREPANCIES BETWEEN THE DRAWINGS AND FIELD CONDITIONS PRIOR TO START OF WORK.
 - IN THE EVENT OF DISCREPANCY BETWEEN DRAWINGS AND SPECIFICATIONS, THE COSTLY OR MORE RESTRICTIVE CONDITION SHALL BE DEEMED THE CONTRACT REQUIREMENT, UNLESS OTHERWISE STATED IN WRITING, BY THE OWNER.
 - CONTRACTOR IS RESPONSIBLE FOR THOROUGHLY EXAMINING DRAWINGS, SPECIFICATIONS AND APPLICABLE CODES, AS WELL AS MAKING ACTUAL MEASUREMENTS AND ESTABLISHING ACTUAL DIMENSIONS FOR EACH PARTICULAR TYPE OF WORK, AND FOR COORDINATING THE WORK.
 - DRAWINGS GRAPHICALLY DEPICT THE DESIGN INTENT OF THE PROJECT. LOCATIONS AND DIMENSIONS SHOWN ON DRAWINGS ARE DIAGRAMMATIC, AND SHOW THE GENERAL ARRANGEMENT, AND EXTENT OF WORK. DO NOT SCALE DRAWINGS OR USE AS SHOT DRAWINGS.
 - CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT SCOPE OF WORK FOR EACH SPECIFICATION SECTION.
 - ACCEPTANCE OF CONDITIONS:** STARTING WORK CONSTITUTES ACCEPTANCE OF THE JOB SITE CONDITIONS.
 - DIMENSIONS:** DIMENSIONS ARE TO THE FACE OF DRYWALL OR MASONRY UNLESS NOTED OTHERWISE.
 - LAYOUT:** THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER LAYOUT OF THE WORK.
 - SCHEDULES:** PRIOR TO START OF CONSTRUCTION, PROVIDE THE OWNER AND ARCHITECT WITH A SCHEDULE OF WORK AND A LIST OF SUBCONTRACTORS WITH ADDRESS, PHONE/FAX NUMBER AND E-MAIL ADDRESS OF EACH SUBCONTRACTOR.
 - SUBMIT CONSTRUCTION SCHEDULE IN EASY-TO-READ GRAPHIC TERMS (GANTT CHART) AT THE PRECONSTRUCTION CONFERENCE.
 - SHOW START DATE AND FINAL COMPLETION DATE FOR EACH PHASE.
 - SHOW START DATES AND COMPLETION DATES FOR MAJOR ELEMENTS OF THE WORK WITH EACH PHASE.
 - SUBMIT REVISED CONSTRUCTION SCHEDULE SHOWING MODIFIED ACTIVITIES, CHANGES IN SCOPE, AND CHANGES TO PROJECTIONS OF PROGRESS AND COMPLETION DATES.
 - SUBMIT SCHEDULE OF SUBMITTALS SHOWING TIME ALLOTTED FOR REVIEW, AND LONG LEAD ITEMS.
 - SUBMIT A REVISED COPY OF CONSTRUCTION SCHEDULE AND SUBMITTAL SCHEDULE AT PROGRESS MEETINGS.
 - INCLUDE SHITES OF OWNER SUPPLIED ITEMS AND SERVICES IN UPDATED SCHEDULES.
 - SUBMITTALS:** SUBMIT THREE SETS OF SAMPLES, SHOP DRAWINGS, DATA SHEETS AND SCHEDULES FOR REVIEW AND APPROVAL. INCLUDE:
 - FINISH MATERIALS
 - DOORS, FRAMES AND HARDWARE
 - CEILING SYSTEMS
 - MILWORK
 - PLUMBING FIXTURES AND EQUIPMENT
 - LIGHT FIXTURES
 - REFER TO SHOP DRAWINGS FOR ADDITIONAL SUBMITTAL REQUIREMENTS
 - SUBSTITUTIONS:** NO SUBSTITUTIONS WILL BE CONSIDERED.
 - SHOP DRAWING REVIEW:** APPROVAL OF SHOP DRAWINGS, PRODUCT DATA AND SAMPLES DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS, PRODUCT DATA OR SAMPLES. IN SUBMITTING SHOP DRAWINGS, PRODUCT DATA OR SAMPLES CONTRACTOR REPRESENTS THAT MATERIALS, FIELD MEASUREMENTS AND FIELD CONSTRUCTION CRITERIA HAVE BEEN VERIFIED AND THAT INFORMATION CONTAINED IN SUBMITTALS HAS BEEN COORDINATED WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. MARK SUBMITTALS WITH CONTRACTORS REVIEW STAMP PRIOR TO SUBMISSION TO ARCHITECT. ARCHITECT WILL NOT REVIEW SUBMITTALS THAT DO NOT BEAR CONTRACTORS STAMP AND WILL RETURN THEM WITHOUT ACTION.
 - COORDINATE DEMOLITION, AND TEMPORARY AND PERMANENT CONSTRUCTION SO THAT OWNERS OPERATIONS ARE NOT DISRUPTED.
 - PROVIDE TELEPHONE AND FAX LINES TO THE PROJECT SITE.
 - DEMOLITION:** COORDINATE DEMOLITION, AND TEMPORARY AND PERMANENT CONSTRUCTION SO THAT OWNERS OPERATIONS ARE NOT DISRUPTED.
 - LANDLORD REQUIREMENTS:** COORDINATE WITH LANDLORDS BUILDING STANDARDS AND REQUIREMENTS.
 - UTILITIES:** PRIOR TO WORK, ON EXISTING UTILITIES OR MECHANICAL SYSTEMS THAT WILL DISRUPT BUILDING SERVICES NOTIFY THE BUILDING MANAGEMENT AND OWNER. OBTAIN WRITTEN APPROVAL IN WRITING AT LEAST 7 DAYS IN ADVANCE. PRIOR TO START OF WORK PROVIDE A 24-HOUR ADVANCED NOTICE TO THE BUILDING MANAGEMENT/OWNER.
 - SUPERVISION:** FURNISH FULL-TIME CONTINUOUS PROJECT SUPERVISION. SUPERINTENDENT SHALL REMAIN ON SITE WHILE WORK IS IN PROGRESS, THROUGH COMPLETION OF THE PUNCH LIST.
 - PROJECT MEETINGS:** CONDUCT WEEKLY SITE MEETINGS. WRITE AND DISTRIBUTE MEETING MINUTES WITHIN THREE DAYS OF THE PREVIOUS MEETING. CONTRACTOR AND ALL SUB CONTRACTORS MUST BE PRESENT, UNLESS REQUIREMENT IS WAIVED BY OWNER.
 - MANUFACTURERS INSTRUCTIONS:** COMPLY WITH MANUFACTURERS PRINTED INSTRUCTIONS UNLESS MORE STRINGENT REQUIREMENTS ARE SHOWN IN THE CONTRACT DOCUMENTS.
 - MATERIALS AND WORKMANSHIP:** WHERE NEW AND OLD WORK JOIN, REMOVE, PATCH, REPAIR OR REFINISH ADJACENT SURFACES TO MATCH EXISTING CONDITION AS SPECIFIED. MATERIALS AND WORKMANSHIP, UNLESS OTHERWISE SHOWN OR SPECIFIED, SHALL COMPLY WITH THAT OF THE ORIGINAL WORK. WORK SHALL BE PERFORMED BY TRADES NORMALLY EXPECTED TO PERFORM PARTICULAR ITEMS OR TYPES OF WORK.
 - DETERIORATION AND DAMAGE:** REPORT DETERIORATION OR DAMAGE FOUND DURING THE COURSE OF THE WORK. OBTAIN ARCHITECT'S APPROVAL, BEFORE PROCEEDING WITH REVISIONS TO AFFECTED WORK.
 - DEFECTIVE WORK:** CORRECT DEFECTIVE WORK, WHICH IS DEFINED AS WORK THAT DOES NOT CONFORM TO THE CONTRACT DOCUMENTS OR WORK THAT IS IN VIOLATION OF ANY ORDINANCE, RULE, REGULATION, LAW, OR ORDINANCE IN EFFECT AT THE TIME THE WORK IS PERFORMED, EVEN IF THE WORK CONFORMS TO THE CONTRACT DOCUMENTS EXCEPT FOR SUCH VIOLATION. BEGIN CORRECTION WITHIN THE 10 DAY AFTER NOTICE BY ARCHITECT. PAY FOR CORRECTION AND REPLACEMENT OF THE DEFECTIVE WORK, INCLUDING COST OF NECESSARY ADDITIONAL DESIGN WORK, NETHER FINAL PAYMENT, NOR USE, OCCUPANCY, OR ACCEPTANCE OF ALL OR ANY PART OF THE WORK BY THE OWNER, NOR INSPECTIONS, TESTS, OR APPROVALS BY THE OWNER, NOR ANY PROVISION OF THE CONTRACT SHALL RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR DEFECTIVE WORK, AND NO SPECIAL GUARANTEES TIME PERIOD SHALL LIMIT THE CONTRACTORS LIABILITY WITH RESPECT TO THE DEFECTIVE WORK.
 - TEMPORARY FACILITIES AND CONTROLS:**
 - PROVIDE TEMPORARY CONSTRUCTION TO PROTECT ADJOINING PROPERTIES, THE PUBLIC, CONSTRUCTION PERSONNEL, AND BUILDING OCCUPANTS. DO NOT OBSTRUCT MEANS OF EGRESS FROM BUILDING OR SITE.
 - PROVIDE TEMPORARY CONNECTIONS, LIGHTING AND POWER DISTRIBUTION REQUIRED FOR THE WORK, REMOVE TEMPORARY LIGHTING, CONNECTIONS AND POWER DISTRIBUTION AT COMPLETION OF WORK.
 - PROVIDE TEMPORARY HEATING AND VENTILATION FOR COMFORT, SAFETY AND PROTECTION OF THE WORK, WORKERS, AND INHABITANTS OF OCCUPIED AREAS.
 - PROVIDE TEMPORARY FIRE CONTINGUERS REQUIRED BY STATE AND LOCAL BUILDING AND SAFETY CODES.
 - PROVIDE AND MAINTAIN SANITARY FACILITIES REQUIRED FOR EXECUTION OF THE WORK. COORDINATE WITH BUILDING OWNER FOR PERMISSION TO ACCESS TO EXISTING SANITARY FACILITIES.
 - PROVIDE TELEPHONE AND FAX LINES TO THE PROJECT SITE.
 - STORAGE SPACE AT JOB SITE IS LIMITED TO AREA OF CONSTRUCTION. ADDITIONAL OFF-SITE STORAGE REQUIREMENTS ARE CONTRACTORS RESPONSIBILITY. PROTECT MATERIALS STORED ON SITE FROM DAMAGE.
 - MAINTAIN SECURE CONSTRUCTION SITE. LOCK ENTRANCES TO PREVENT UNAUTHORIZED ENTRY TO SITE.
 - KEEP JOB SITE NEAT AND ORDERLY, FREE FROM ACCUMULATIONS OF DEMOLITION AND CONSTRUCTION WASTE. CLEAN SITE DAILY. SCHEDULE TRASH REMOVAL ON A REGULAR BASIS, SUBJECT TO THE OWNERS AND LOCAL AUTHORITIES REGULATIONS AND APPROVAL.
 - CONTAIN DUST AND DEBRIS WITHIN AREA OF CONSTRUCTION. LIMIT CONSTRUCTION NOISE SO THAT OWNERS OPERATIONS ARE NOT DISRUPTED.
 - NO ALCOHOLIC BEVERAGES, LEGAL DRUGS, OR SMOKING SHALL BE ALLOWED ON THE JOB SITE.
 - PROVIDE TELEPHONE AND FAX LINES TO THE PROJECT SITE.
 - FIRE RATED ASSEMBLIES SHALL BE INSTALLED, LABELED, AND INSPECTED ACCORDING TO APPLICABLE BUILDING CODES. IF RATED ASSEMBLIES ARE ALTERED, EXISTING RATINGS SHALL BE MAINTAINED BY GENERAL CONTRACTOR.
 - POST APPLICABLE BUILDING PERMITS IN A VISIBLE LOCATION READY FOR INSPECTION BY THE AUTHORITIES HAVING JURISDICTION.
 - RECORD DOCUMENTS:** MAINTAIN PROJECT RECORD DOCUMENTS AT THE JOB SITE. LABEL EACH ONE "PROJECT RECORD".
 - INCLUDE THE FOLLOWING:
 - DRAWINGS AND ADDENDA
 - CHANGE ORDERS AND OTHER MODIFICATIONS
 - ARCHITECTS FIELD ORDERS AND ANY WRITTEN INSTRUCTIONS
 - RFS
 - FIELD TEST RECORDS
 - MEETING MINUTES
 - PROGRESS SCHEDULE
 - SUBMITTALS
 - SAMPLES
 - KEEP RECORD DOCUMENTS SEPARATE FROM DOCUMENTS USED FOR CONSTRUCTION AND AVAILABLE FOR ARCHITECT'S INSPECTION.
 - MARK RECORD DRAWINGS, SPECIFICATIONS AND ADDENDA NEATLY AND LEGIBLY, WITH COLORED PENCIL OR FELT TIP MARKER, TO SHOW ACTUAL CONSTRUCTION AND PRODUCTS USED. KEEP RECORD CURRENT WITH CONSTRUCTION PROGRESS. DO NOT COVER UP WORK UNTIL INFORMATION IS RECORDED.
 - INSPECTIONS:** OBTAIN INSPECTIONS AS REQUIRED BY CODE.
 - TESTING:** PROVIDE SERVICES OF APPROVED TESTING LABORATORIES, OR AGENCIES REQUIRED FOR TESTS AND INSPECTIONS OF MATERIALS AND CONSTRUCTION METHODS SUBJECT TO CONTROLLED INSPECTIONS MANDATED BY LOCAL AND STATE CODES, AND ORDINANCES.
 - DETERIORATION AND DAMAGE:** REPORT DETERIORATION OR DAMAGE FOUND DURING THE COURSE OF THE WORK. OBTAIN ARCHITECT'S APPROVAL, BEFORE PROCEEDING WITH REVISIONS TO AFFECTED WORK.
 - CLOSEOUT DOCUMENTS:** PROVIDE THREE (3) SETS OF THE FOLLOWING IN THREE (3) RING BINDERS PRIOR TO APPLYING FOR FINAL PAYMENT:
 - WARRANTIES
 - FINAL WAIVERS OF LIEN
 - OPERATIONS & MAINTENANCE MANUALS (INCLUDING ARCHITECTURAL ELEMENTS I.E. SPECIAL LIGHT FIXTURES, SHOP DRAWINGS, ETC.)
 - WARRANTIES FROM SUBCONTRACTORS
 - COPY OF PERMITS, BUILDING PERMITS, OCCUPANCY PERMITS, ETC.)
 - RECORD DRAWINGS (ARCHITECTURAL/ENGINEERING)
 - CONTACT LIST FOR GENERAL CONTRACTOR AND SUBCONTRACTORS
 - LETTER OF WARRANTY FROM GENERAL CONTRACTOR
 - AIR BALANCING REPORTS
 - FIRE ALARM CERTIFICATION
 - FINAL PUNCH LIST
 - WARRANTIES:** GUARANTEE WORK, INCLUDING LABOR, MATERIALS AND EQUIPMENT, FOR ONE (1) YEAR FROM DATE OF SUBSTANTIAL COMPLETION (FINAL COMPLETION FOR PUNCH LIST INCOMPLETE WORK).
 - FINAL ACCEPTANCE:** TURN OVER PROJECT TO THE OWNER IN A COMPLETE, FULLY OPERATIONAL, AND CLEAN CONDITION.

SMMA

SMMA
1000 Massachusetts Avenue
Cambridge, MA 02138
P: 617.547.5400 F: 800.648.4920

EWING
COLE

Ewing Cole
Federal Reserve Bank Building
100 North 6th Street
Philadelphia, PA 19106-1590
P: 215.923.2020 F: 215.574.0952
EC Project No. 2019066



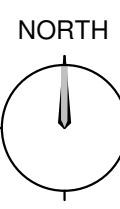
CONCORD MIDDLE
SCHOOL
835 OLD MAPLEBORO ROAD,
CONCORD, MA 01742

MARK: DATE: DESCRIPTION:
ISSUE LOG
△ - CLOUSED CHANGE

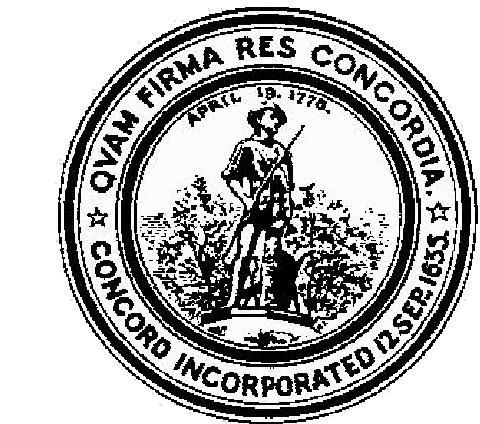
SCALE: As indicated
DRAWN BY: NS
CHECK BY: WJS
PROJ. ARCH. ENGR.
PROJ. MGR.
JOB NO. 19153

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INDEX OF DRAWINGS -
ABBREVIATIONS -
GENERAL NOTES



G-001



CODE SUMMARY

APPLICABLE CODES

MASSACHUSETTS STATE BUILDING CODE - 9TH EDITION	
ARCHITECTURAL ACCESS BOARD REGULATIONS - 521 CMR	
LIFE SAFETY NFPA 101	
ALL CODE SECTION REFERENCES ARE TO BE MBBC UNLESS OTHERWISE NOTED.	

EXISTING BUILDING

OCCUPANCY/GROUP CLASSIFICATION:	XXX
CONSTRUCTION TYPE:	XXX
TOTAL FLOOR SQ. FT. OF TENANT SPACE:	XXX
OCCUPANT SQ. FT.:	XXX
TOTAL OCCUPANTS FOR FLOOR:	XXX
TENANT IMPROVEMENT SCOPE TOTAL FLOOR SQ. FT.:	XXX
OCCUPANT SQ. FT.:	XXX
TOTAL OCCUPANTS FOR FLOOR WORK SCOPE AREA:	XXX

EXITS

	REQUIRED	PROVIDED
MINIMUM NUMBER OF EXITS:	2	XXX
MAXIMUM TRAVEL DISTANCE IN SPRINKLERED BUILDING:	300FT.	XXX
COMMON PATH OF EGRESS TRAVEL IN SPRINKLERED BUILDING:	100FT.	XXX
MAXIMUM DEAD END CORRIDOR IN SPRINKLERED BUILDING:	50FT.	XXX
MINIMUM CORRIDOR/ABLE STAIR WIDTH IN SPRINKLERED BUILDING:	44IN.	XXX

PROJECT DESCRIPTION

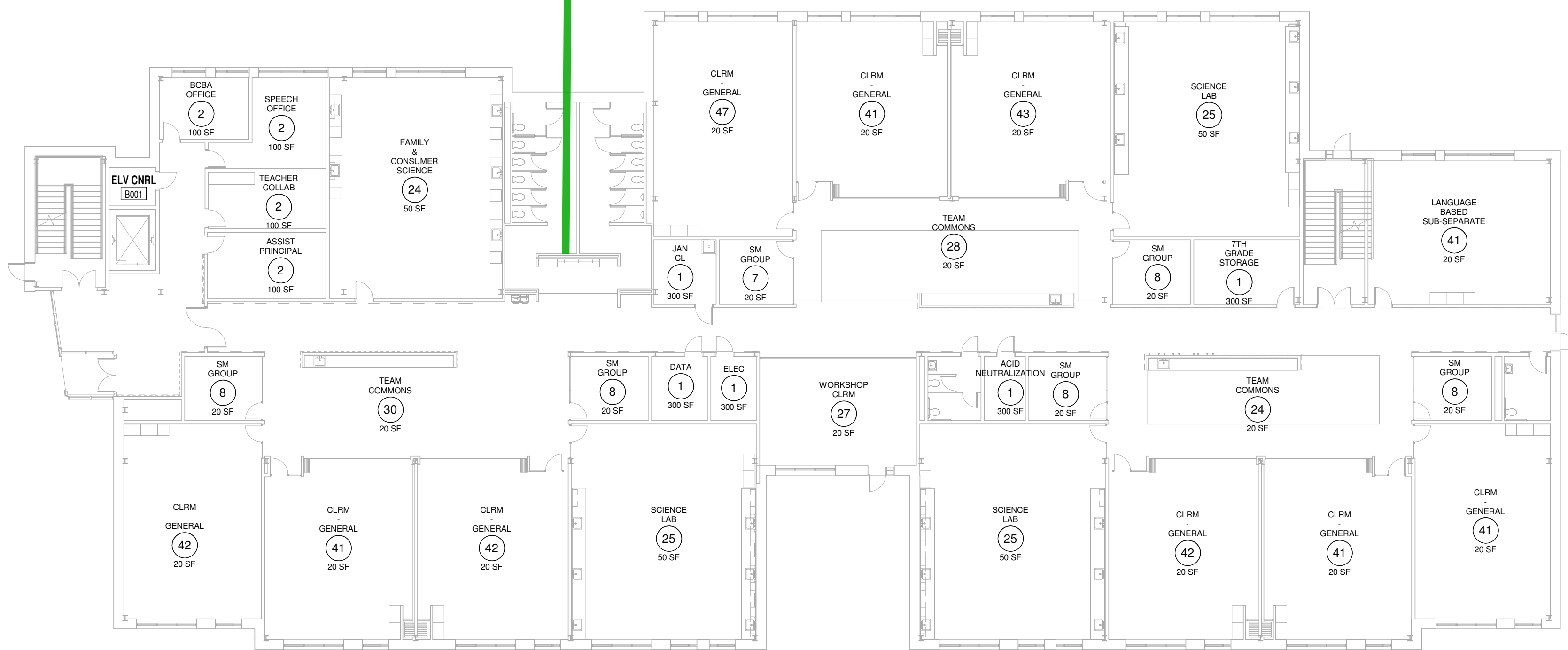
THE NATURE OF THIS PROJECT IS AN INTERIOR RENOVATION WITH AN EXISTING BUILDING. THE ALTERATIONS TO THE BUILDING PROPOSED FOR THIS PROJECT DO NOT IMPACT OR CHANGE THE CONSTRUCTION TYPE OR OCCUPANCY CLASS OR USE GROUP. THE EXISTING BUILDING IS A FULLY SPRINKLERED BUILDING.

WORK SCOPE FOR THIS PROJECT INCLUDES MINIMAL DEMOLITION OF EXISTING INTERIOR PARTITIONS AND MEPPF. NEW CONSTRUCTION CONSISTS OF: MODIFICATIONS WILL BE MADE TO THE EXISTING MEPPF SYSTEMS AS WELL AS THE ELECTRICAL AND TEL/DATA TO ACCOMMODATE THE NEW PARTITION LAYOUT & LIFE SAFETY CODES. NEW SYSTEMS FURNITURE WILL BE LOCATED IN THE OPEN OFFICE SPACE.

CODE PLAN LEGEND

	EXIT SIGN
	FIRE EXTINGUISHER CABINET
	1 HOUR RATED PARTITION
	2 HOUR RATED PARTITION
	WATER CURTAIN
	SMOKE PARTITION
	LIMIT OF WORK
	EGRESS PATH AND DIRECTION
	EXIT
	ROOM NAME
	NUMBER OF OCCUPANTS
	OCCUPANT LOAD PER SF
	AUTOMATED EXTERNAL DEFIBRILLATOR
	FIRST AID KIT

People using the lavatory may feel very exposed with their backs open to the hall. Recommend providing dividers at the lavatory. Recommend providing a single-user toilet room adjacent to this toilet room for users who need more privacy.

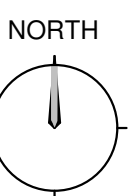


MARK:	DATE:	DESCRIPTION:
ISSUE LOG		
△		CLOUDED CHANGE

SCALE:	As indicated
DRAWN BY:	NS
CHECK BY:	WJS
PROJ. ARCH. ENGR.	
PROJ. MGR.	
JOB NO.	19153
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CODE SUMMARY AND
EGRESS PLAN- LOWER
LEVEL

B	C	E
A	D	F



KEY PLAN

G-010



535 Old Marlboro Road
Concord, MA 01742

[illegible]

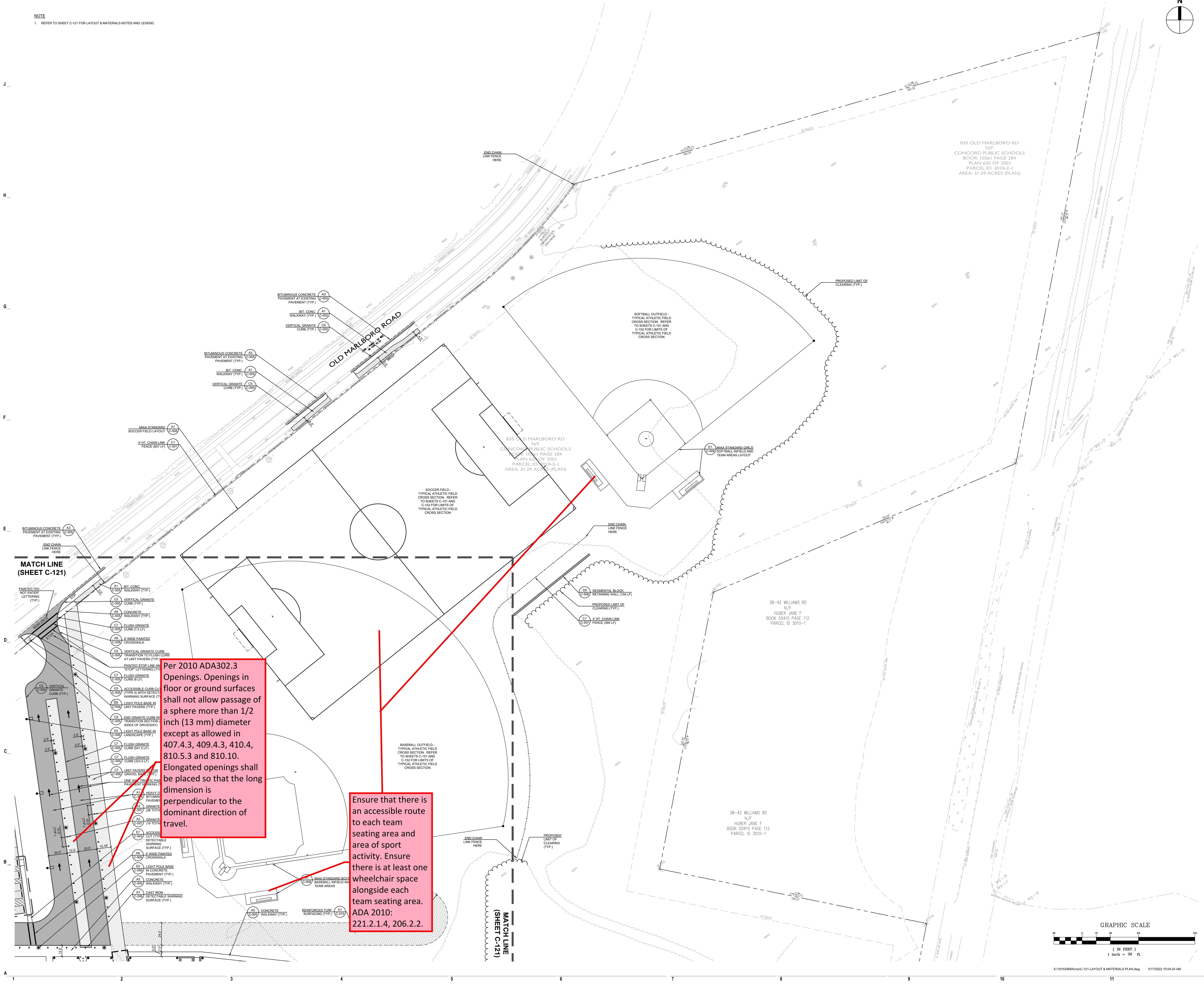
NOT FOR CONSTRUCTION

SCALE	1"=30'
DRAWN BY	ECV/PAP
CHECK BY	MJD
PROJ. ARCH./ENGR.	MR/MJD
PROJ. MGR.	KMO
JOB NO.	19153.00

C-122

NOTE

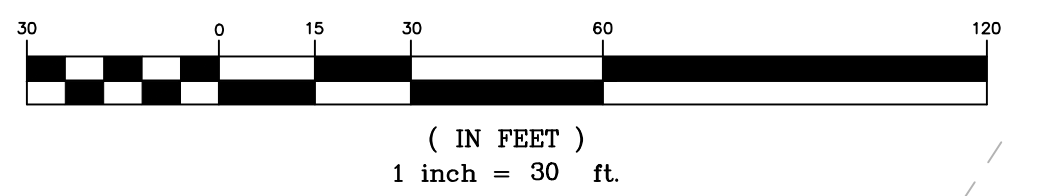
1. REFER TO SHEET C-121 FOR LAYOUT & MATERIALS NOTES AND LEGEND



Per 2010 ADA302.3
Openings. Openings in
floor or ground surfaces
shall not allow passage of
a sphere more than 1/2
inch (13 mm) diameter
except as allowed in
407.4.3, 409.4.3, 410.4,
810.5.3 and 810.10.
Elongated openings shall
be placed so that the long
dimension is
perpendicular to the
dominant direction of
travel.

Ensure that there is an accessible route to each team seating area and area of sport activity. Ensure there is at least one wheelchair space alongside each team seating area. ADA 2010: 221.2.1.4, 206.2.2.

GRAPHIC SCALE





Concord Middle School
835 Old Marlboro Road
Concord, MA 01742

02/27/2022	SD ESTIMATE SET
03/06/2021	SD ESTIMATE SET
MARK DATE:	DESCRIPTION:
ISSUE LOG	
△	CLOUDED CHANGE

NOT FOR CONSTRUCTION

SCALE	1"=50'
DRAWN BY	PAF
CHECK BY	MJD
PROJ. ARCH. ENGR.	MR/MJD
PROJ. MGR.	KWO
JOB NO.	19153.00
© SYMMES, MANI & MCKEE ASSOCIATES, INC. 2021	

OVERALL
SITE PLAN

C-001

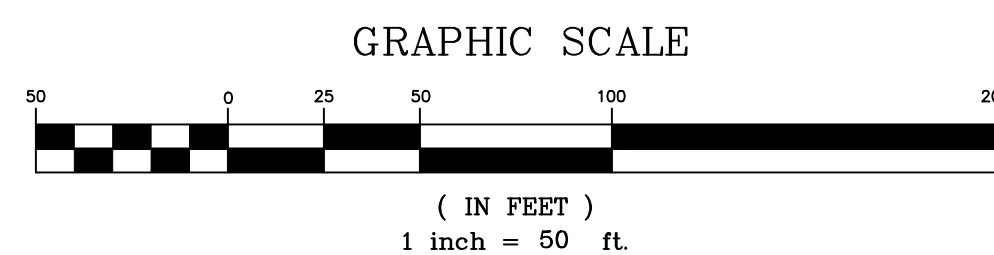
SEE SHEETS: C-102, C-112, C-122, C-132, C-143, C-145, C-152

SEE SHEETS: C-101, C-111, C-121, C-131, C-142, C-144, C-151

Is there a drop off area by the entrance for parents?

Provide benches by the main entrance.

Provide an accessible route to all areas of sport activity, including each field and team seating areas





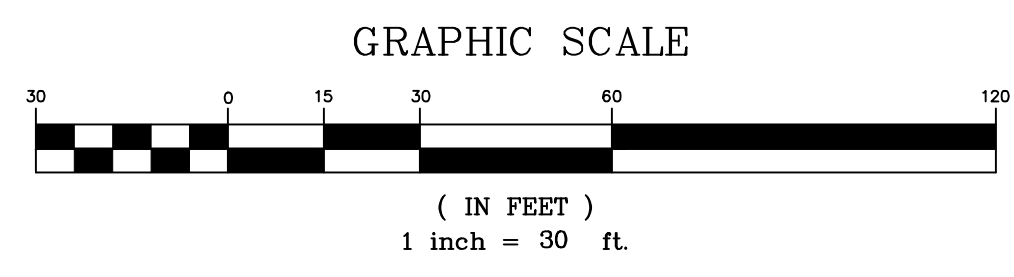
Concord Middle School
835 Old Marlboro Road
Concord, MA 01742

02/27/2022	SD ESTIMATE SET
03/06/2021	SD ESTIMATE SET
MARK DATE:	DESCRIPTION:
ISSUE LOG	
△ = CLOUSED CHANGE	

NOT FOR CONSTRUCTION

SCALE	1"=50'
DRAWN BY	ECV/PWF
CHECK BY	MJD
PROJ. ARCH. ENGR.	MR/MJD
PROJ. MGR.	KWO
JOB NO.	19153.00
© SMMA, YIMME & MCKEE ASSOCIATES, INC. 2021	

LAYOUT & MATERIALS
PLAN



LEGEND	
•	STEEL BOLLARD
□	GRANITE BOLLARD
□	DOUBLE LUMINAIRE (ROADWAY SCALE)
□	SINGLE LUMINAIRE (ROADWAY SCALE)
□	SINGLE LUMINAIRE (PEDESTRIAN SCALE)
•	SINGLE BOLLARD LUMINAIRE
•	CROSSWALK
•	TWO-WAY TRAFFIC PAVEMENT MARKING
•	ONE-WAY TRAFFIC PAVEMENT MARKING
•	PAINTED ACCESSIBLE PARKING SYMBOL
•	PAINTED PAVEMENT STRIPING
•	PARKING COUNTS
•	HEAVY-DUTY BITUMINOUS PAVEMENT
•	STANDARD BITUMINOUS PAVEMENT / BITUMINOUS WALKWAY
•	BUILDING
•	CONCRETE WALK / PLAZA W/ SCORE JOINTS
•	THICKENED CONCRETE PAVEMENT / CONCRETE EQUIPMENT PAD
•	REINFORCED TURF SURFACING
•	CHAIN LINK FENCE
•	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
---	LIMIT OF BIORETENTION AREA
---	PROPERTY LINE
---	PROPOSED LIMIT OF CLEARING
---	RIP RAP

- LAYOUT & MATERIALS NOTES:
- DIMENSIONS SHOWN OFF THE BUILDING ARE FROM THE EXTERIOR FACE OF THE FOUNDATION WALL.
 - DIMENSIONS SHOWN IN THE PARKING LOTS AND ROADWAYS ARE FROM THE FACE OF CURB, CENTERLINE OF STRIPING, AND EDGE OF PAVEMENT.
 - DIMENSIONS SHOWN IN THE CONCRETE WALKWAYS AND PLAZAS ARE FROM SCORE JOINTS, EXPANSION JOINTS, AND EDGE OF CONCRETE.
 - COORDINATE THE EXACT LOCATION OF THE TRANSFORMER AND GENERATOR PADS WITH THE ELECTRICAL PLANS. CONFIRM PAD SIZES WITH THE SELECTED PRODUCT PRIOR TO INSTALLING.
 - SEE ARCHITECTURAL PLANS FOR EXACT BUILDING DIMENSIONS AND LOCATIONS OF DOORS.
 - COORDINATE WORK IN THE TOWN RIGHT-OF-WAY WITH THE TOWN OF CONCORD DEPARTMENT OF PUBLIC WORKS.
 - LIGHTPOLE BASES IN LAWN AREAS ARE TO BE INSTALLED SO THAT THE CENTER OF BASE IS 5'-0" AWAY FROM THE FACE OF CURB OR EDGE OF PAVED AREA, UNLESS OTHERWISE NOTED.
 - INSTALL SITE FEATURES AND FURNISHINGS TO MEET ADA AND MAAR REQUIREMENTS FOR ACCESSIBILITY. NOTIFY THE ARCHITECT OF POTENTIAL CONFLICTS PRIOR TO INSTALLING.
 - PROVIDE APPLICABLE TRAFFIC SIGNAGE TO OFFER GUIDANCE FOR THE PROPOSED VEHICULAR CIRCULATION. ASSUME A TOTAL OF 40 SIGNS.

Recommend providing an accessible electric vehicle charging station. See: <https://www.access-board.gov/aba/guides/chapter-5-parking/#electric-vehicle-charging-stations>

Per ADA 2010: 208.2 Where more than one parking facility is provided on a site, the number of accessible parking spaces on the site must be calculated according to the number of spaces required at each parking facility. The parking lot on the west has 62 spaces and requires 1 van accessible and 2 standard accessible parking spaces. The parking lot on the east has 88 spaces and requires 1 van accessible parking space and 3 standard accessible parking space. The total of accessible parking spaces would be 2 van accessible parking spaces and 5 standard accessible parking spaces.

Accessible spaces required for one parking facility can be located in another if doing so results in substantially equal or better access in terms of travel distance to an accessible entrance, parking fee, or user conveniences such as protection from weather, better security and lighting. The minimum number must still be determined separately for each parking facility.

Are these drop-off areas and will there be an accessible drop-off area close to the entrance?

Multiple switchback ramps are difficult for many users to navigate. If you are able to reconfigure this, we would recommend it.

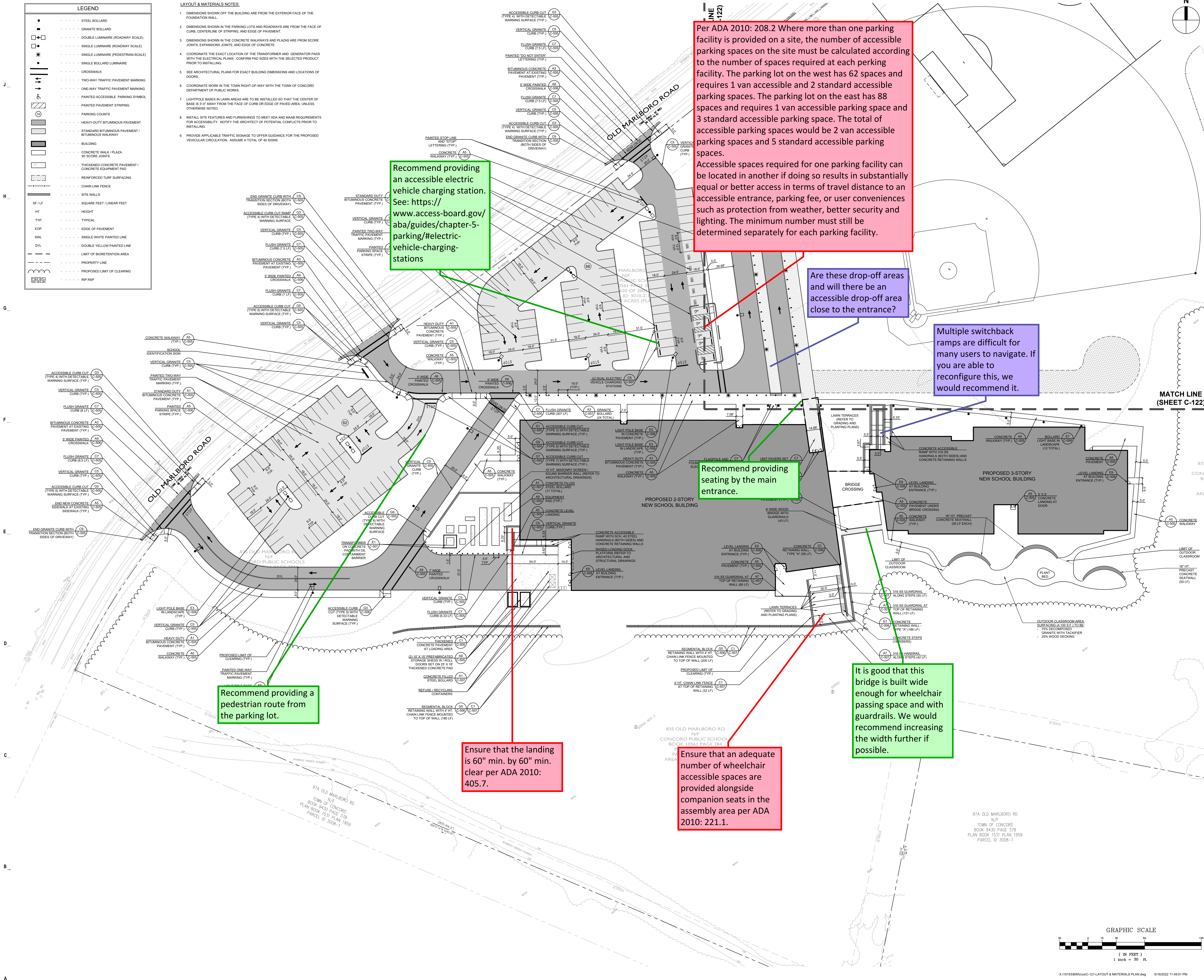
Recommend providing seating by the main entrance.

Recommend providing a pedestrian route from the parking lot.

Ensure that the landing is 60" min. by 60" min. clear per ADA 2010: 405.7.

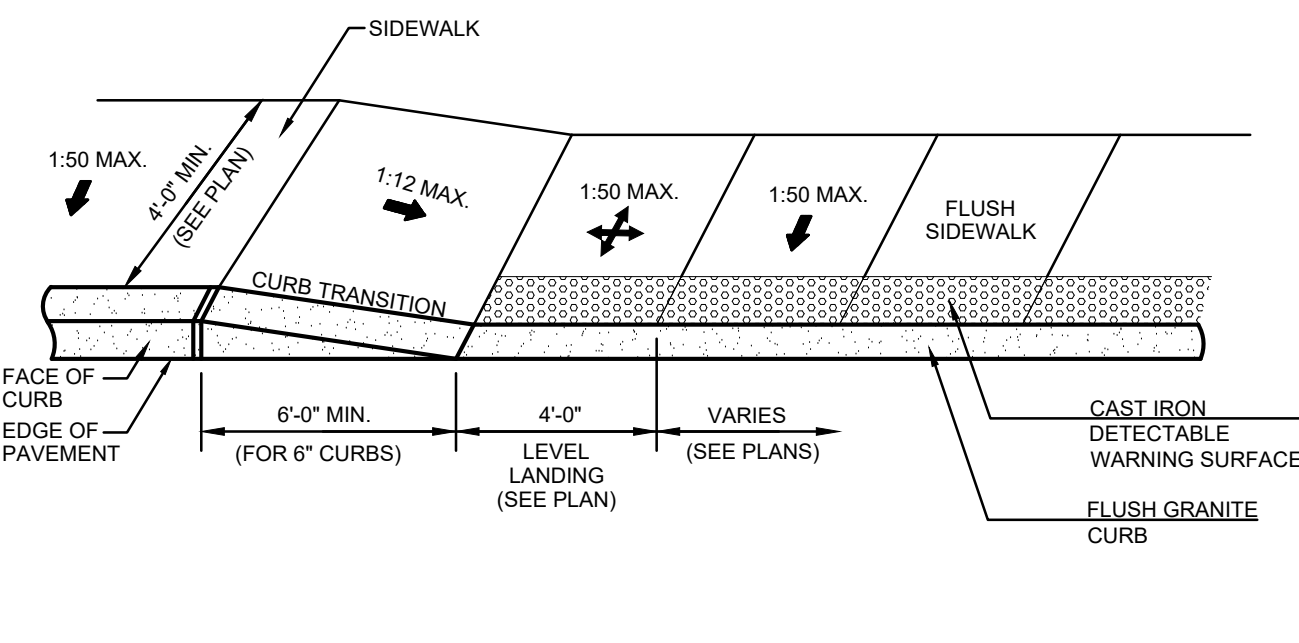
Ensure that an adequate number of wheelchair accessible spaces are provided alongside companion seats in the assembly area per ADA 2010: 221.1.

It is good that this bridge is built wide enough for wheelchair passing space and with guardrails. We would recommend increasing the width further if possible.



NOTES:

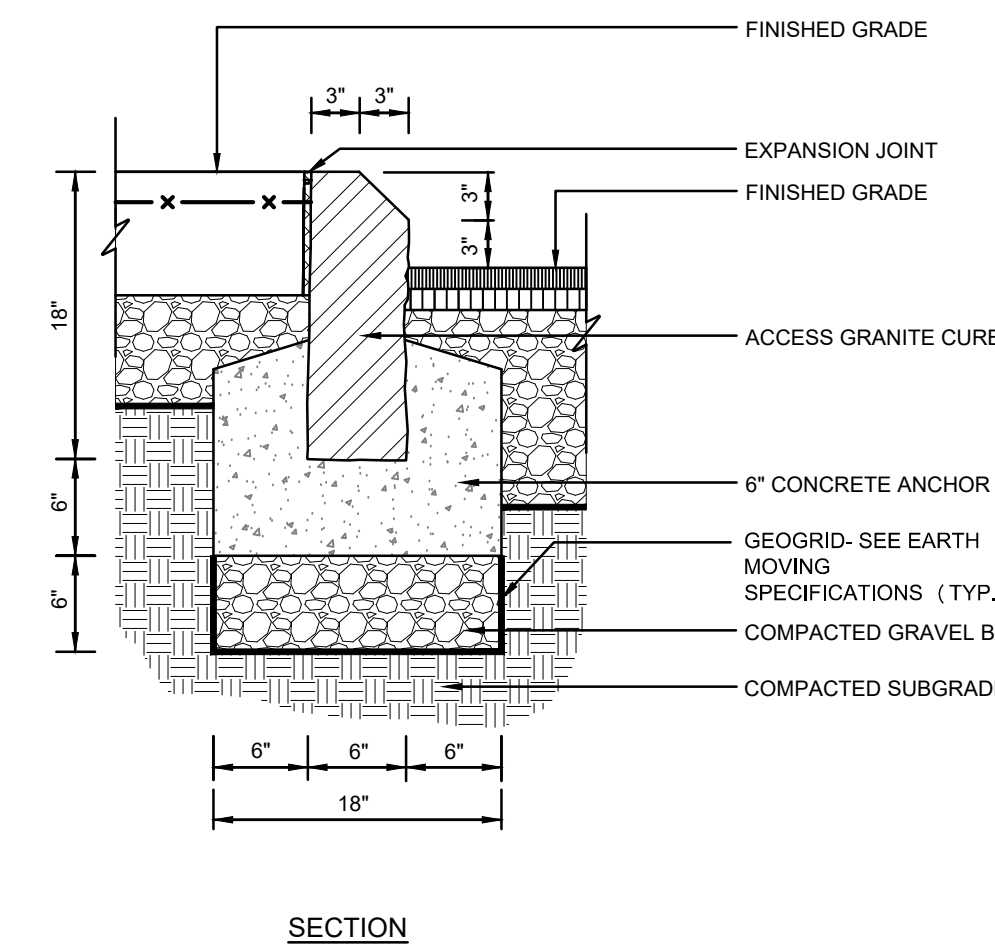
1. REFER TO DETAIL A3 (SHEET C-506) FOR PAVEMENT SLOPE REQUIREMENTS.
2. ALL CURB CUTS ARE TO BE CONSTRUCTED OUT OF PORTLAND CEMENT CONCRETE UNLESS OTHERWISE NOTED ON PLANS.



G1 ACCESSIBLE CURB CUT (TYPE 3)
N.T.S.

NOTES:

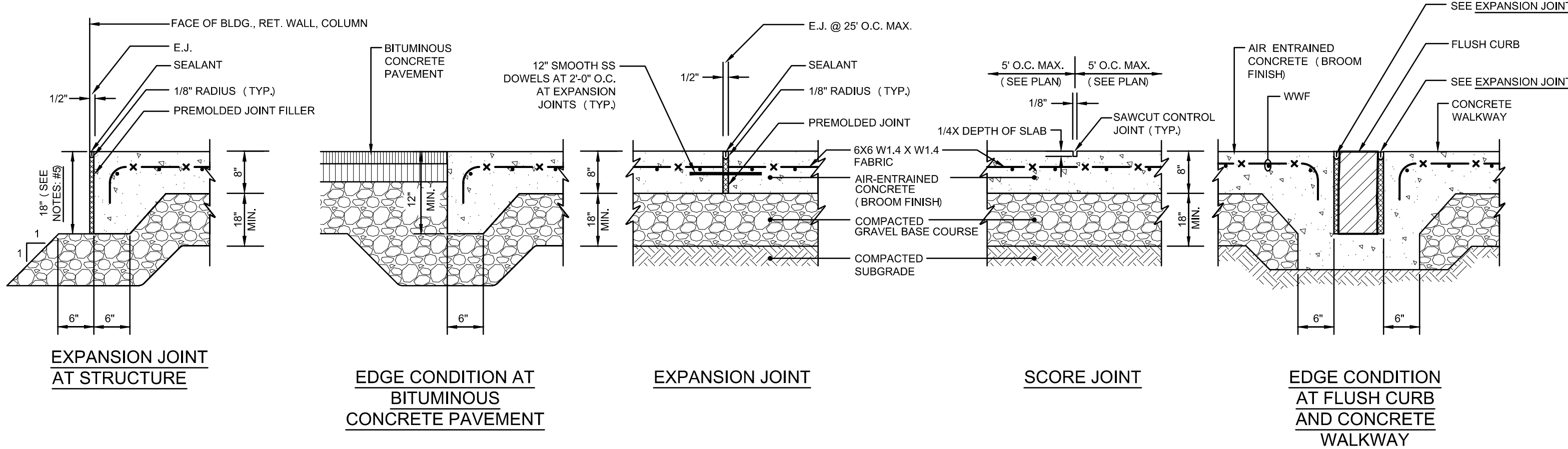
1. PROVIDE TRANSITION FROM CHAMFERED EDGE OF ACCESS CURB TO SQUARE EDGE OF ADJACENT CURB.



E1 ACCESS GRANITE CURB
N.T.S.

NOTES:

1. PROVIDE EXPANSION JOINT AT FACE OF ABUTTING SLABS AND STRUCTURES.
2. PROVIDE CURBING PER SHEET C-121.

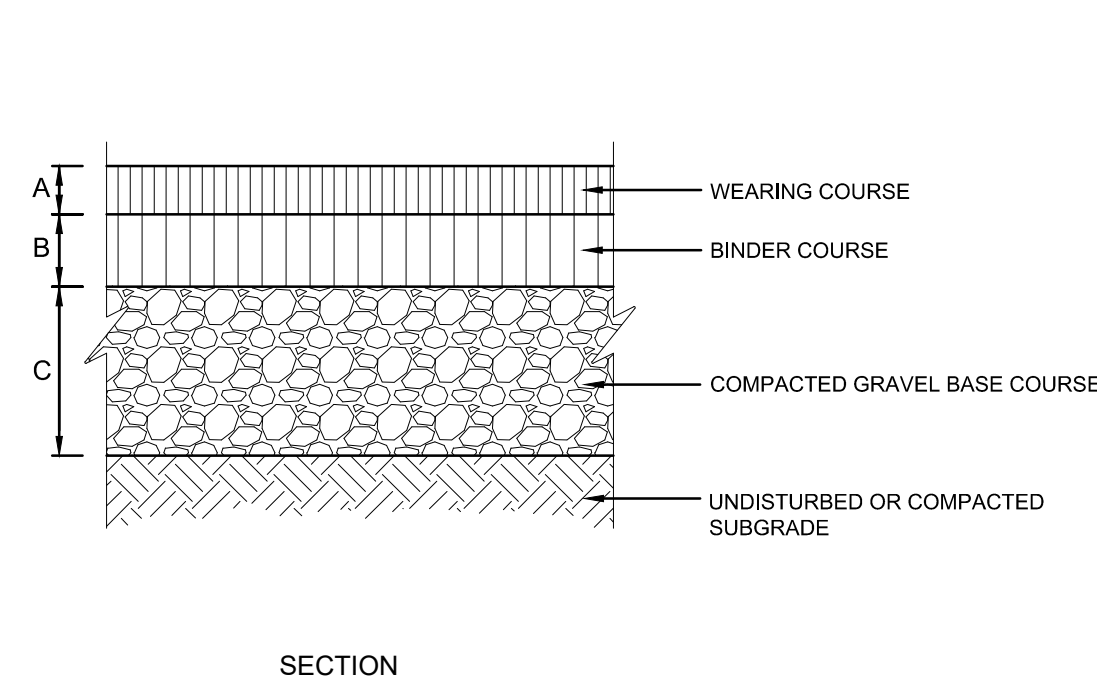


C1 THICKENED CONCRETE PAVEMENT AT BUS DROPOFF AND LOADING DOCK
N.T.S.

NOTE:

1. REFER TO DETAIL A3 (SHEET C-506) FOR PAVEMENT SLOPE REQUIREMENTS.

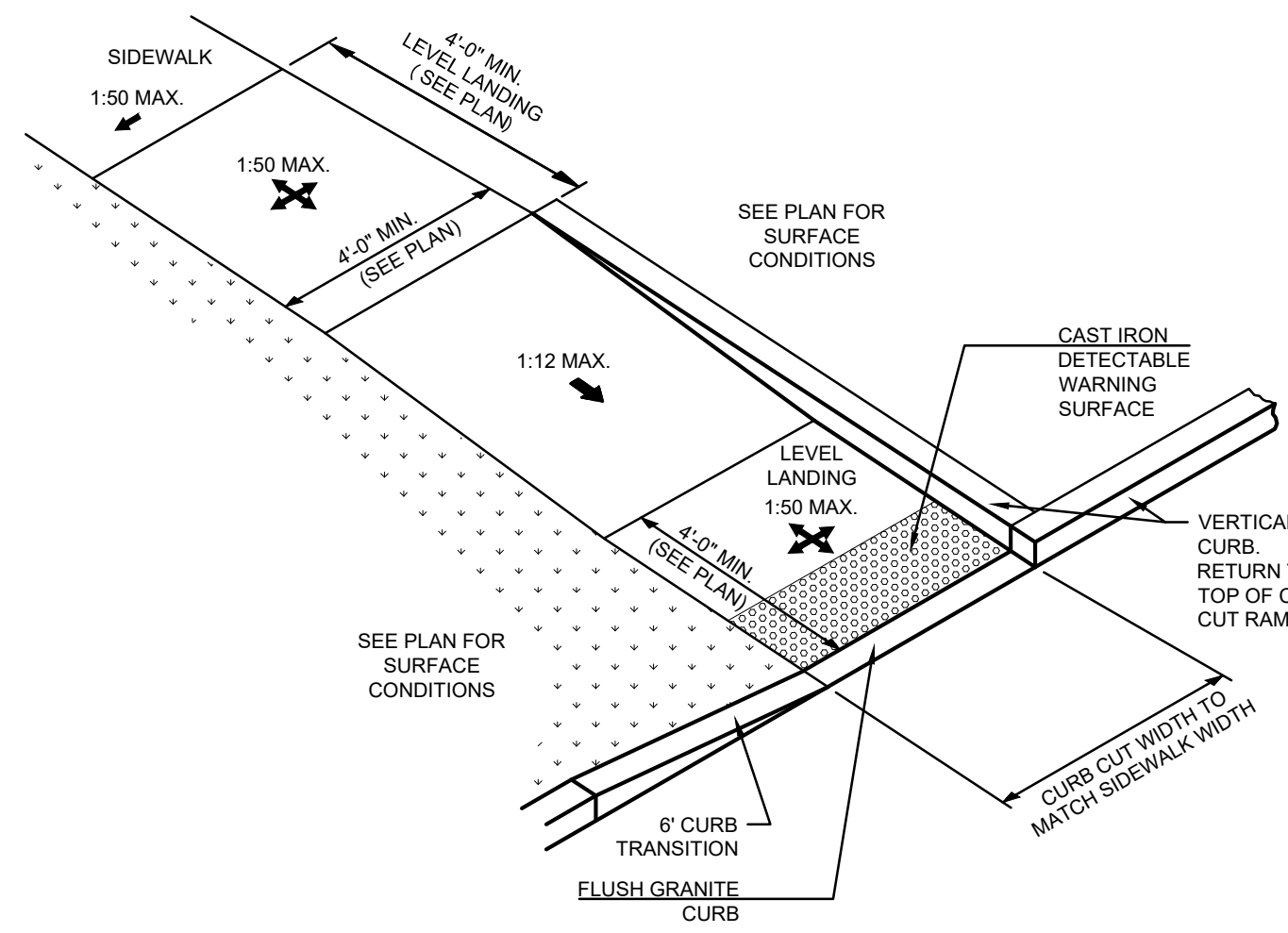
	WEARING COURSE	BINDER COURSE	GRAVEL BASE
STANDARD DUTY	12"	2"	12"
HEAVY DUTY WALKWAY	12"	2"	12"



A1 BITUMINOUS CONCRETE PAVEMENT
N.T.S.

NOTES:

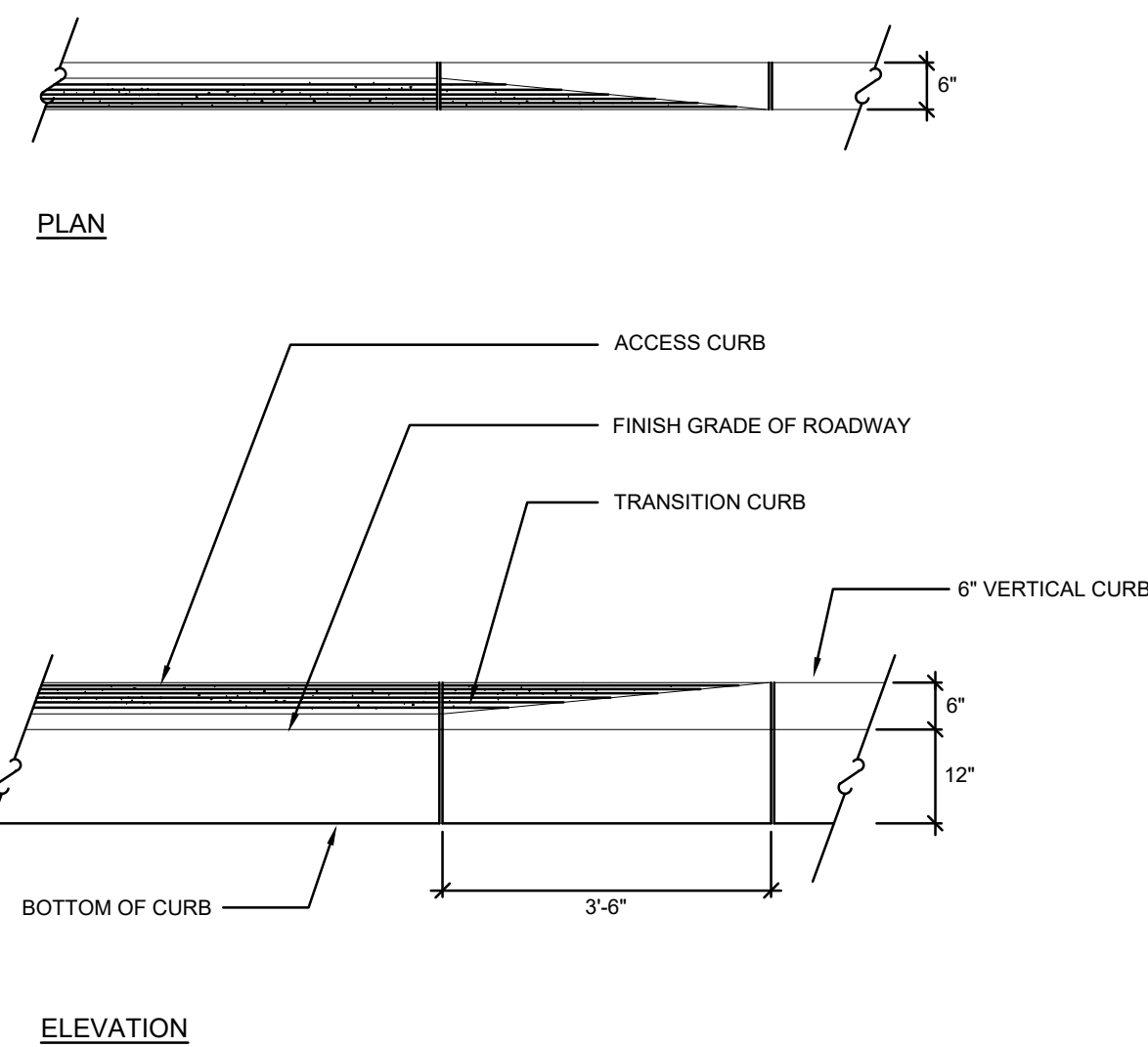
1. REFER TO DETAIL A3 (SHEET C-506) FOR PAVEMENT SLOPE REQUIREMENTS.
2. ALL CURB CUTS ARE TO BE CONSTRUCTED OUT OF PORTLAND CEMENT CONCRETE UNLESS OTHERWISE NOTED ON PLANS.



G3 ACCESSIBLE CURB CUT (TYPE 4)
N.T.S.

NOTES:

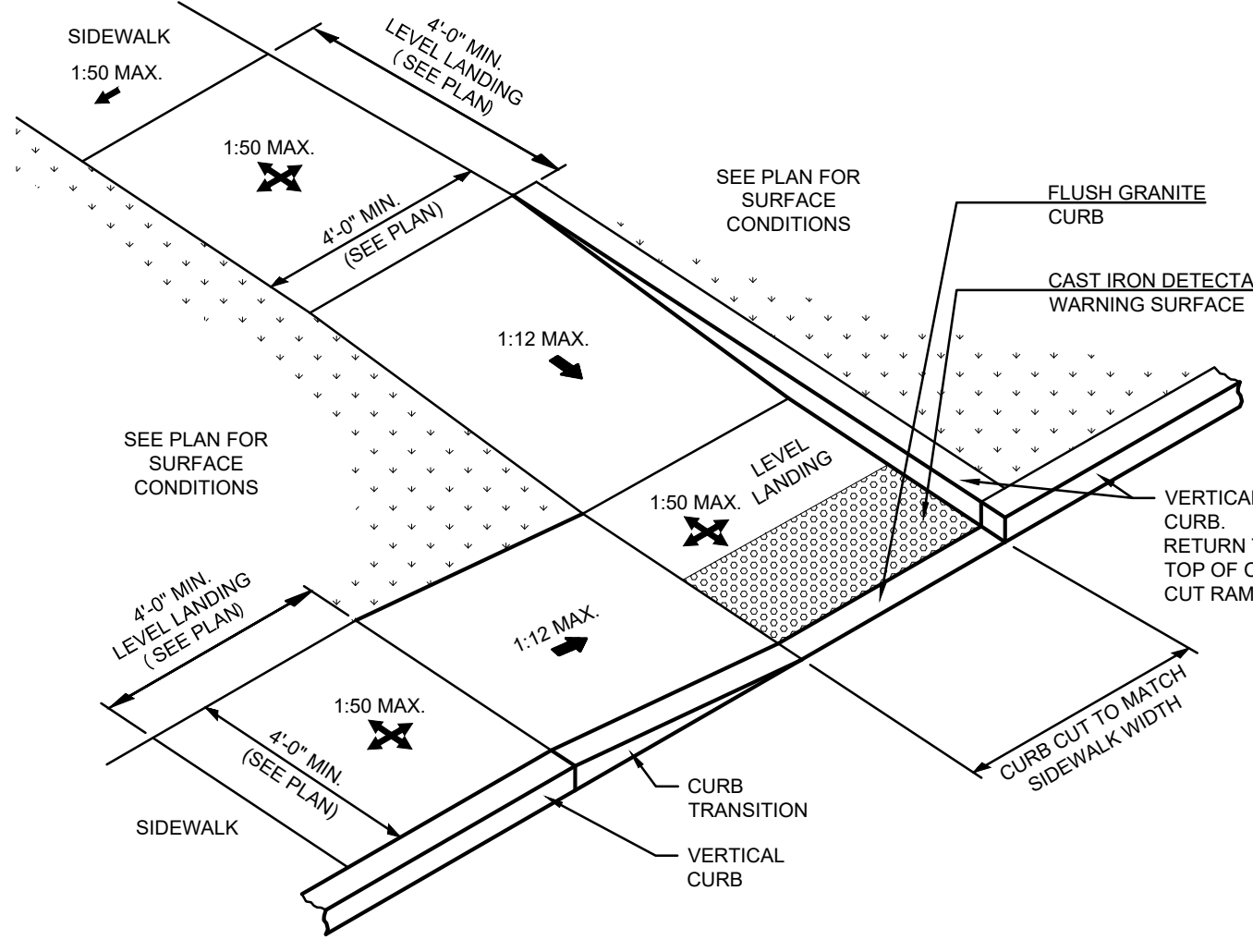
1. PROVIDE TRANSITION FROM CHAMFERED EDGE OF ACCESS CURB TO SQUARE EDGE OF ADJACENT CURB.



E3 GRANITE TRANSITION CURB AT ACCESS GRANITE CURB
N.T.S.

NOTES:

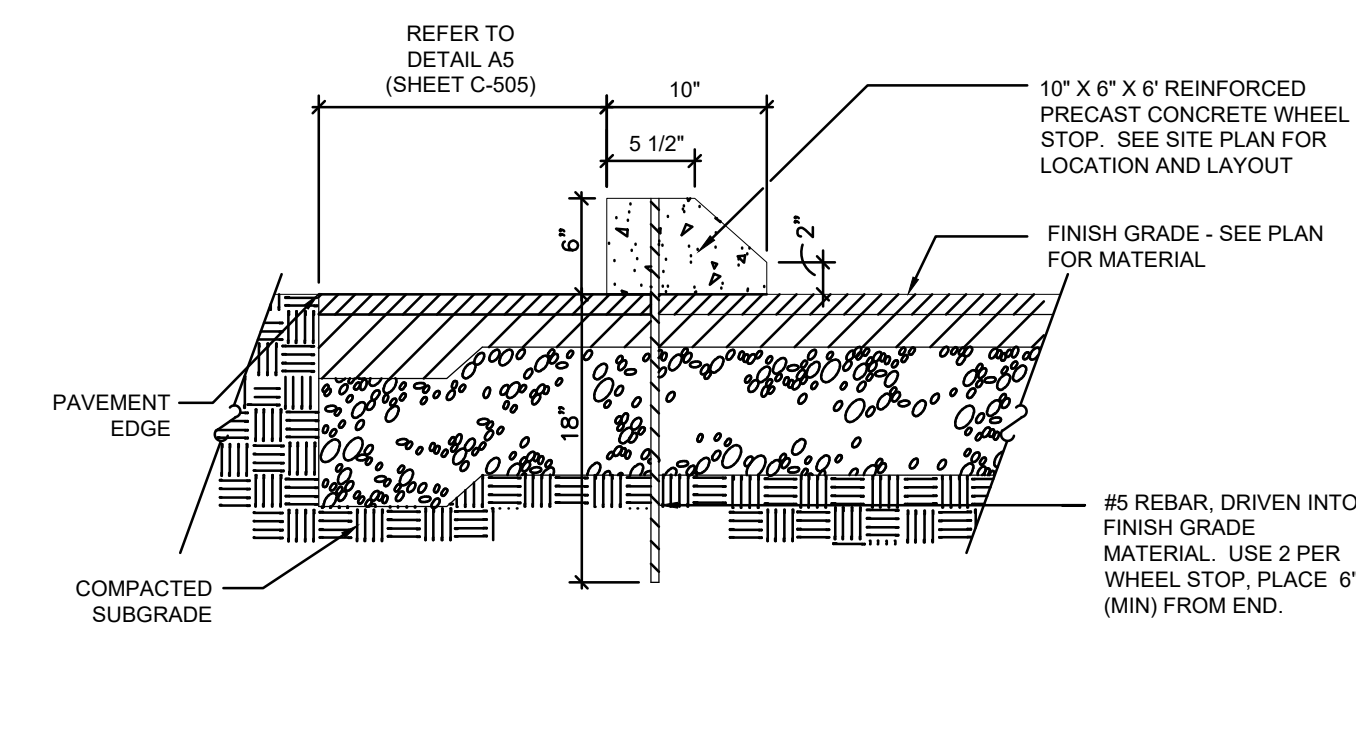
1. REFER TO DETAIL A3 (SHEET C-506) FOR PAVEMENT SLOPE REQUIREMENTS.
2. ALL CURB CUTS ARE TO BE CONSTRUCTED OUT OF PORTLAND CEMENT CONCRETE UNLESS OTHERWISE NOTED ON PLANS.



G5 ACCESSIBLE CURB CUT (TYPE 6)
N.T.S.

NOTES:

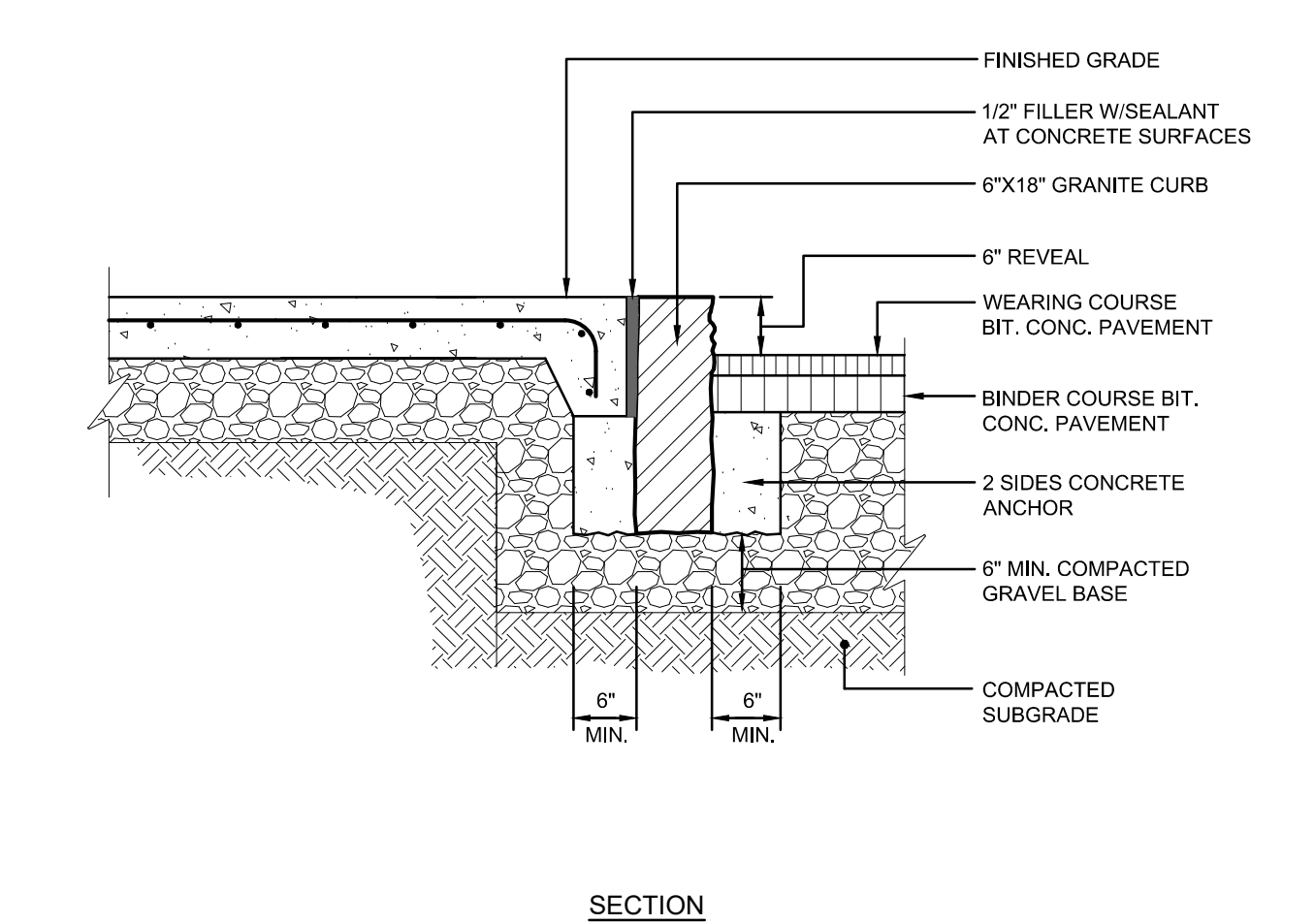
1. REFER TO DETAIL A3 (SHEET C-506) FOR PAVEMENT SLOPE REQUIREMENTS.
2. ALL CURB CUTS ARE TO BE CONSTRUCTED OUT OF PORTLAND CEMENT CONCRETE UNLESS OTHERWISE NOTED ON PLANS.



E5 PRECAST CONCRETE PARKING BUMPER
N.T.S.

NOTES:

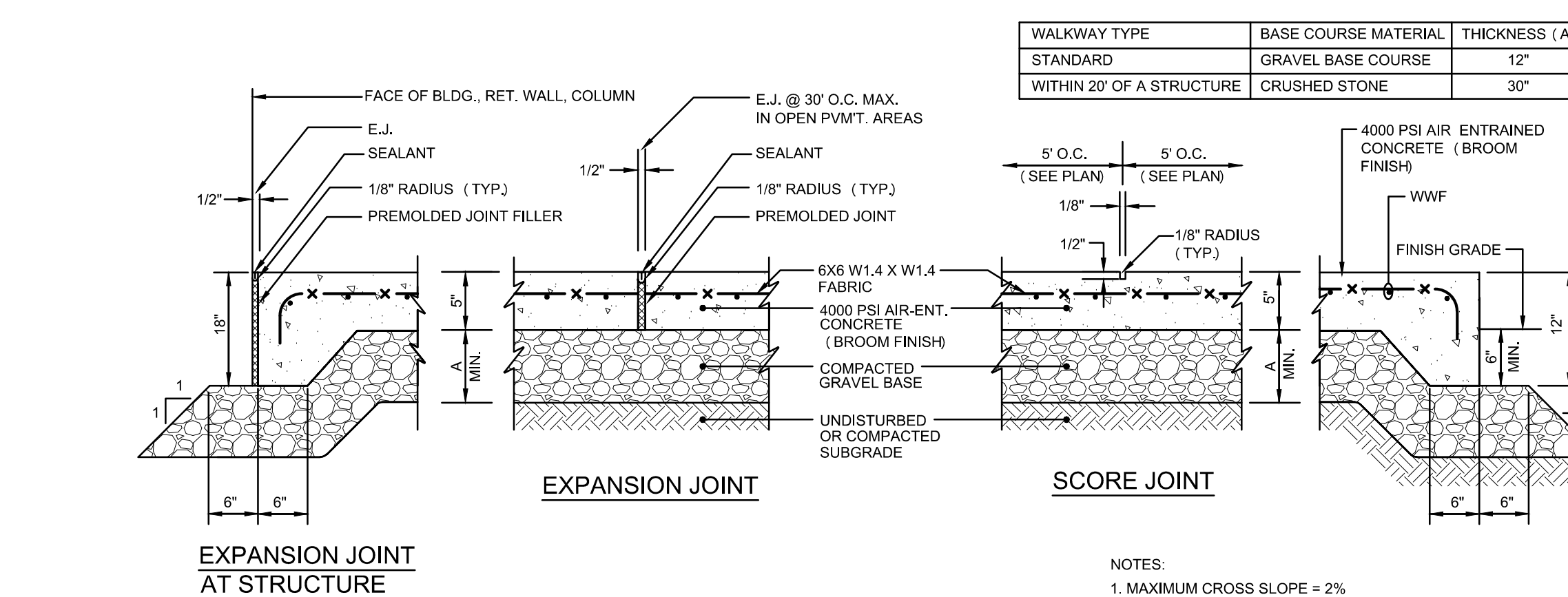
1. WHEN VERTICAL GRANITE CURB IS TO BE INSTALLED ADJACENT TO EXISTING PAVEMENT, CONTRACTOR SHALL SAWCUT THE EXISTING PAVEMENT.



C5 VERTICAL GRANITE CURB
N.T.S.

NOTES:

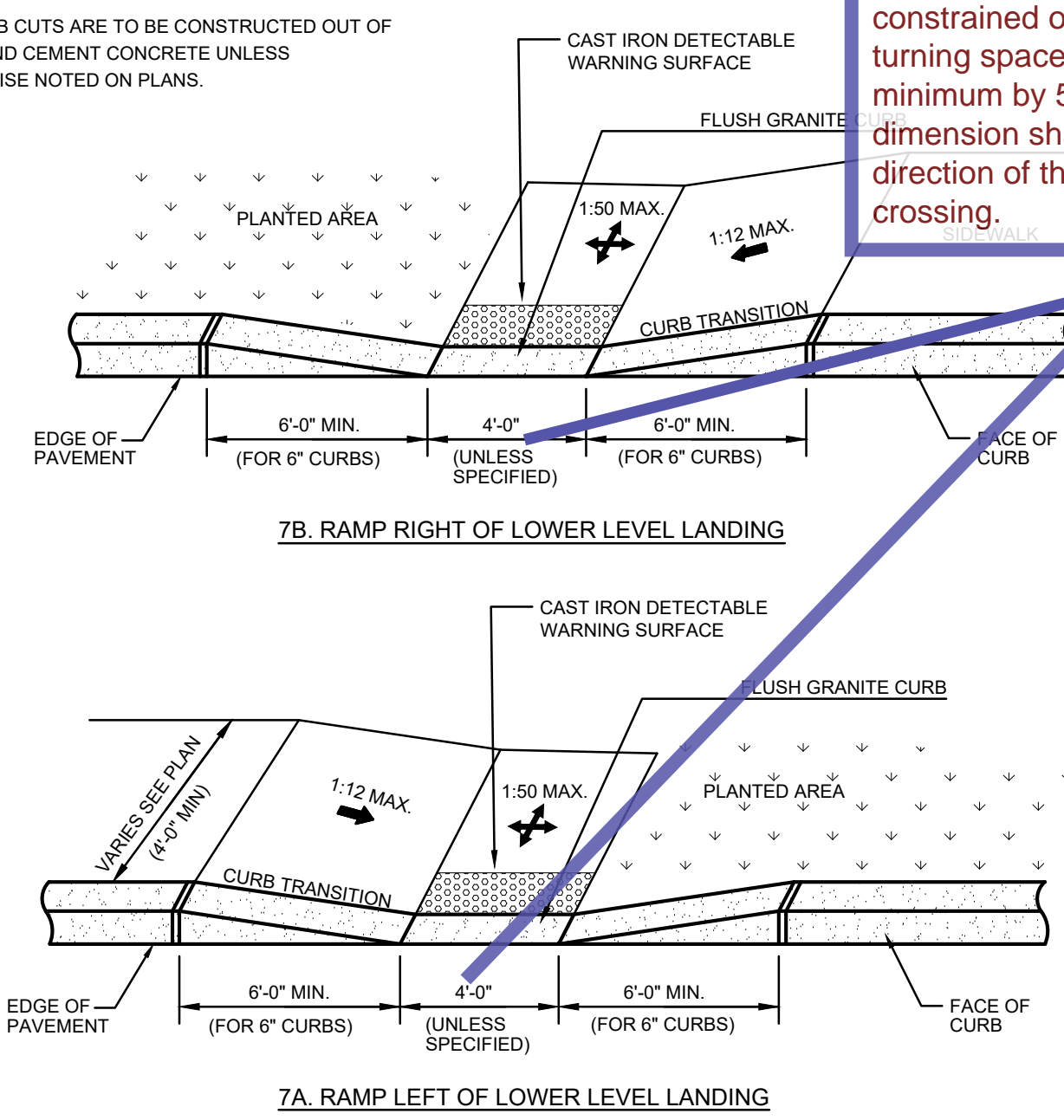
1. REFER TO DETAIL A3 (SHEET C-506) FOR PAVEMENT SLOPE REQUIREMENTS.
2. PROVIDE EXPANSION JOINT AT FACE OF ABUTTING SLABS AND STRUCTURES.
3. PROVIDE CURBING PER SHEET C-121.



A5 CONCRETE WALKWAY
N.T.S.

NOTES:

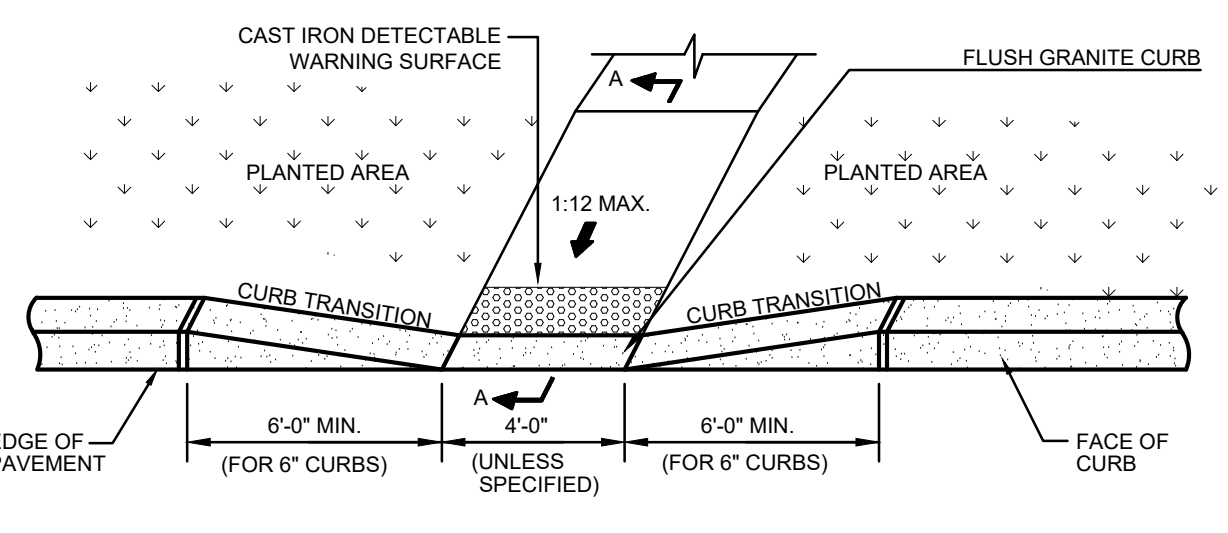
1. REFER TO DETAIL A3 (SHEET C-506) FOR PAVEMENT SLOPE REQUIREMENTS.
2. ALL CURB CUTS ARE TO BE CONSTRUCTED OUT OF PORTLAND CEMENT CONCRETE UNLESS OTHERWISE NOTED ON PLANS.



G7 ACCESSIBLE CURB CUT (TYPE 7)
N.T.S.

NOTES:

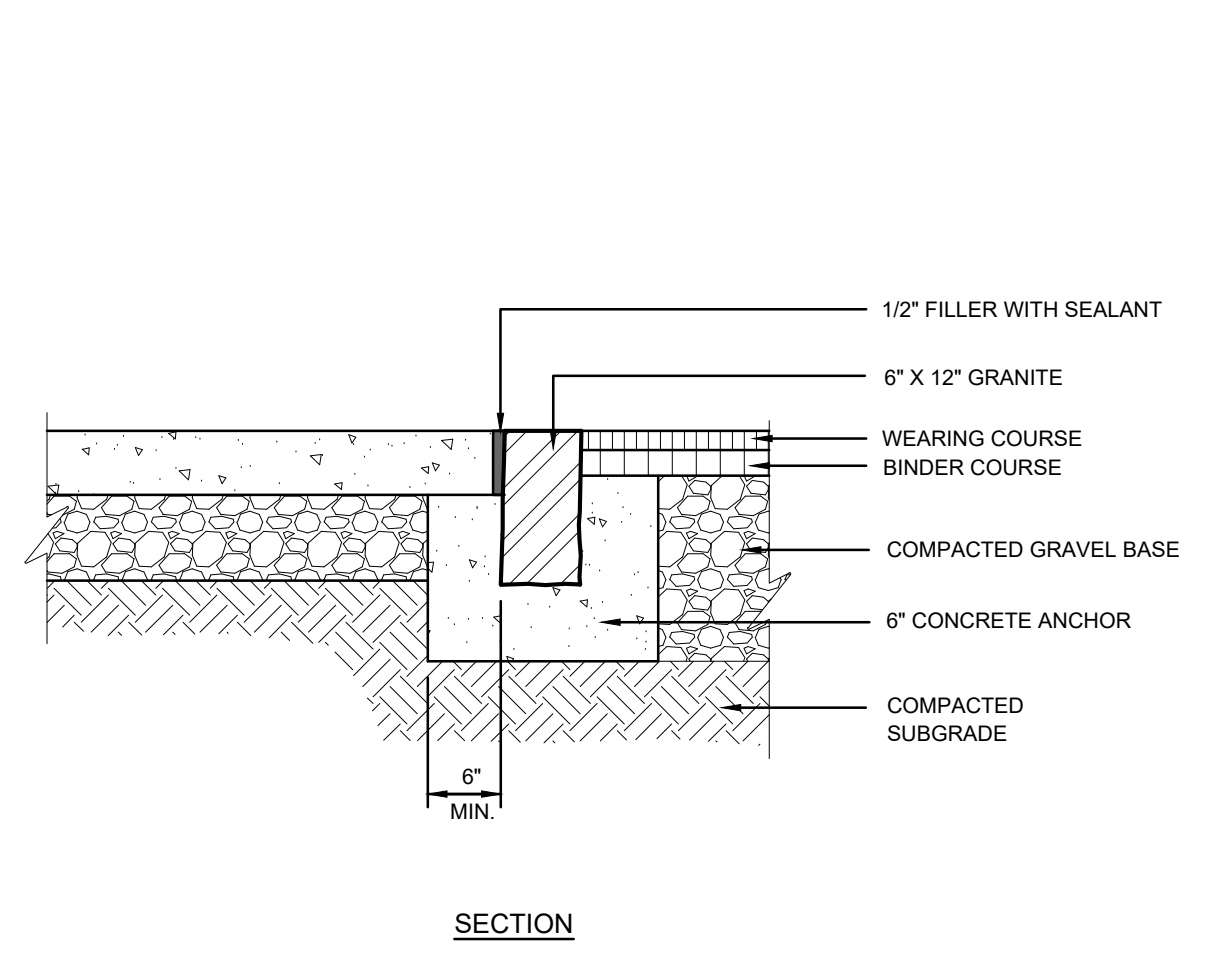
1. REFER TO DETAIL A3 (SHEET C-506) FOR PAVEMENT SLOPE REQUIREMENTS.
2. ALL CURB CUTS ARE TO BE CONSTRUCTED OUT OF PORTLAND CEMENT CONCRETE UNLESS OTHERWISE NOTED ON PLANS.



E7 ACCESSIBLE CURB CUT (TYPE 1)
N.T.S.

NOTES:

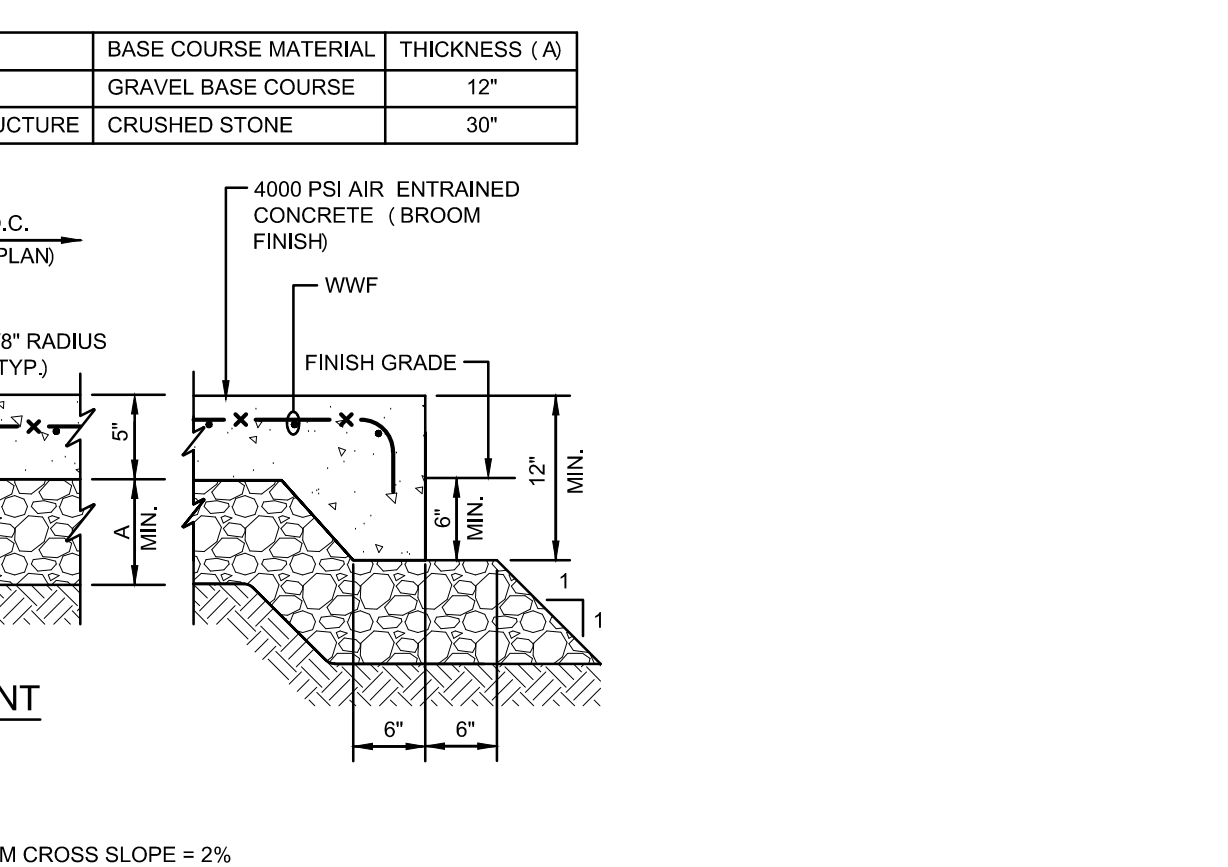
1. REFER TO DETAIL A3 (SHEET C-506) FOR PAVEMENT SLOPE REQUIREMENTS.
2. ALL CURB CUTS ARE TO BE CONSTRUCTED OUT OF PORTLAND CEMENT CONCRETE UNLESS OTHERWISE NOTED ON PLANS.



C7 FLUSH GRANITE CURB
N.T.S.

NOTES:

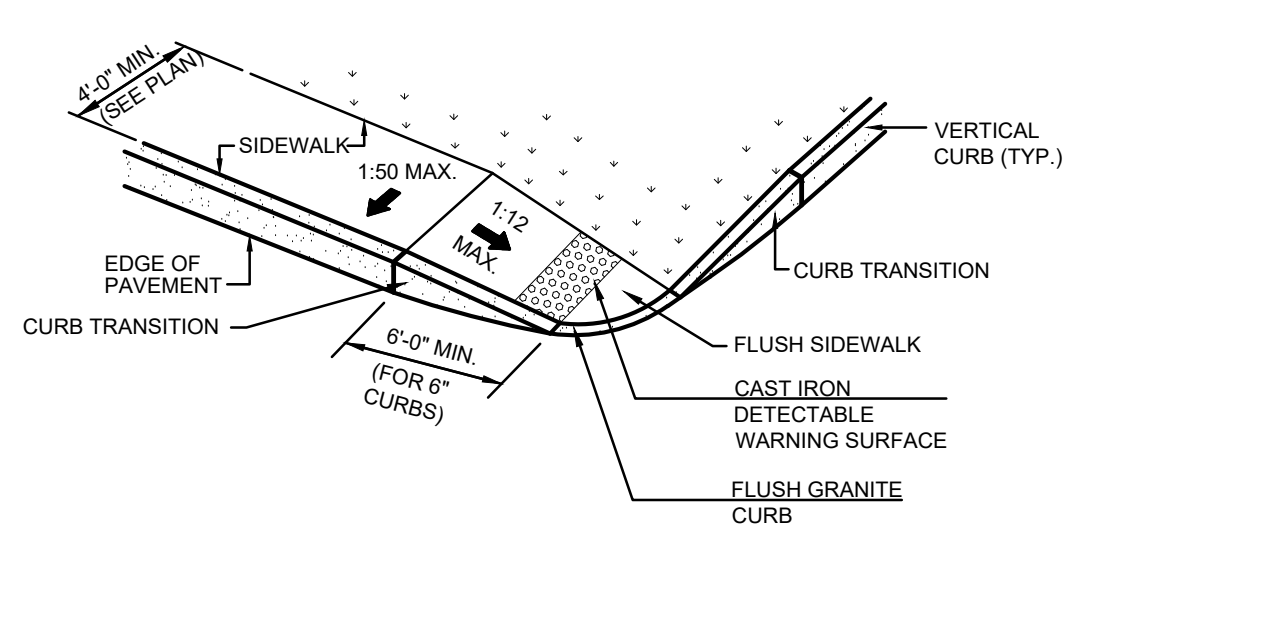
1. REFER TO DETAIL A3 (SHEET C-506) FOR PAVEMENT SLOPE REQUIREMENTS.
2. PROVIDE EXPANSION JOINT AT FACE OF ABUTTING SLABS AND STRUCTURES.
3. PROVIDE CURBING PER SHEET C-121.



C9 GRANITE TRANSITION CURB
N.T.S.

NOTES:

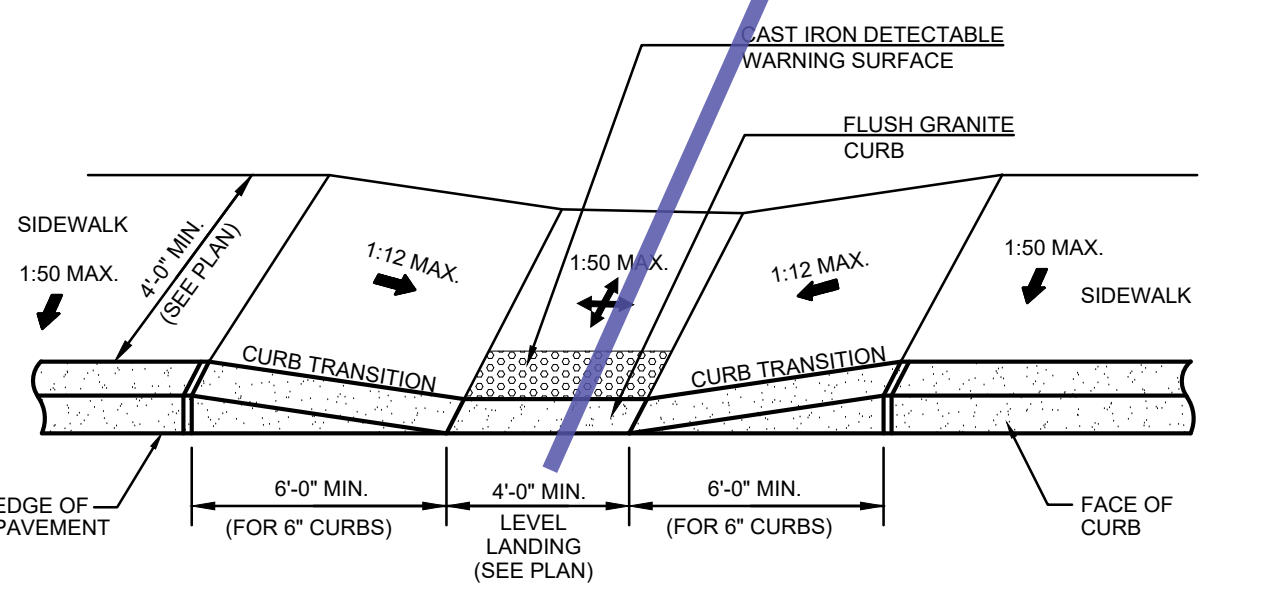
1. REFER TO DETAIL A3 (SHEET C-506) FOR PAVEMENT SLOPE REQUIREMENTS.
2. ALL CURB CUTS ARE TO BE CONSTRUCTED OUT OF PORTLAND CEMENT CONCRETE UNLESS OTHERWISE NOTED ON PLANS.



G9 ACCESSIBLE CURB CUT (TYPE 8)
N.T.S.

NOTES:

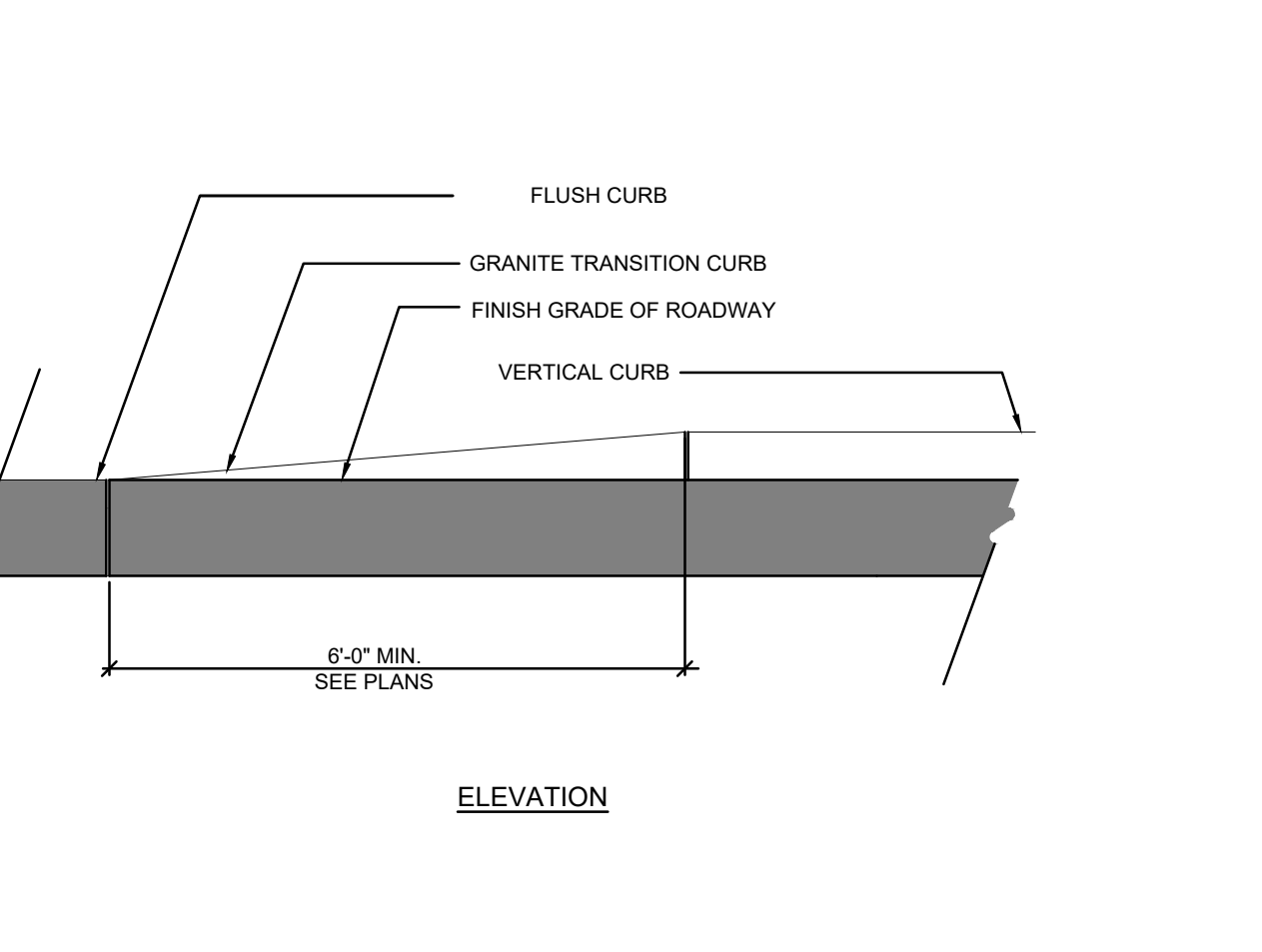
1. REFER TO DETAIL A3 (SHEET C-506) FOR PAVEMENT SLOPE REQUIREMENTS.
2. ALL CURB CUTS ARE TO BE CONSTRUCTED OUT OF PORTLAND CEMENT CONCRETE UNLESS OTHERWISE NOTED ON PLANS.



E9 ACCESSIBLE CURB CUT (TYPE 2)
N.T.S.

NOTES:

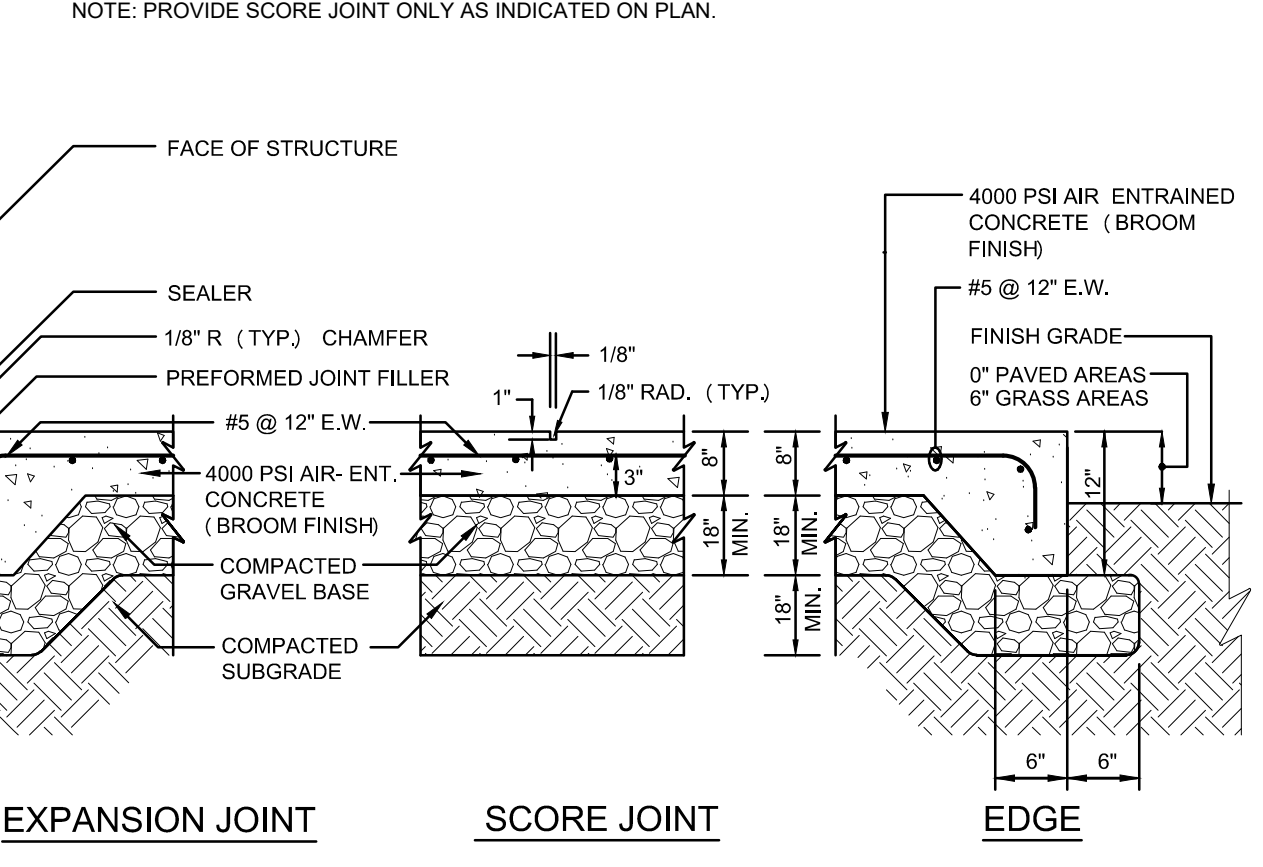
1. REFER TO DETAIL A3 (SHEET C-506) FOR PAVEMENT SLOPE REQUIREMENTS.
2. ALL CURB CUTS ARE TO BE CONSTRUCTED OUT OF PORTLAND CEMENT CONCRETE UNLESS OTHERWISE NOTED ON PLANS.



C9 GRANITE TRANSITION CURB
N.T.S.

NOTES:

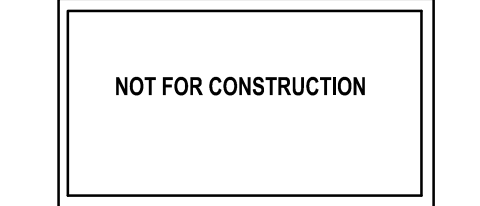
1. REFER TO DETAIL A3 (SHEET C-506) FOR PAVEMENT SLOPE REQUIREMENTS.
2. ALL CURB CUTS ARE TO BE CONSTRUCTED OUT OF PORTLAND CEMENT CONCRETE UNLESS OTHERWISE NOTED ON PLANS.



A9 EQUIPMENT PAD
N.T.S.



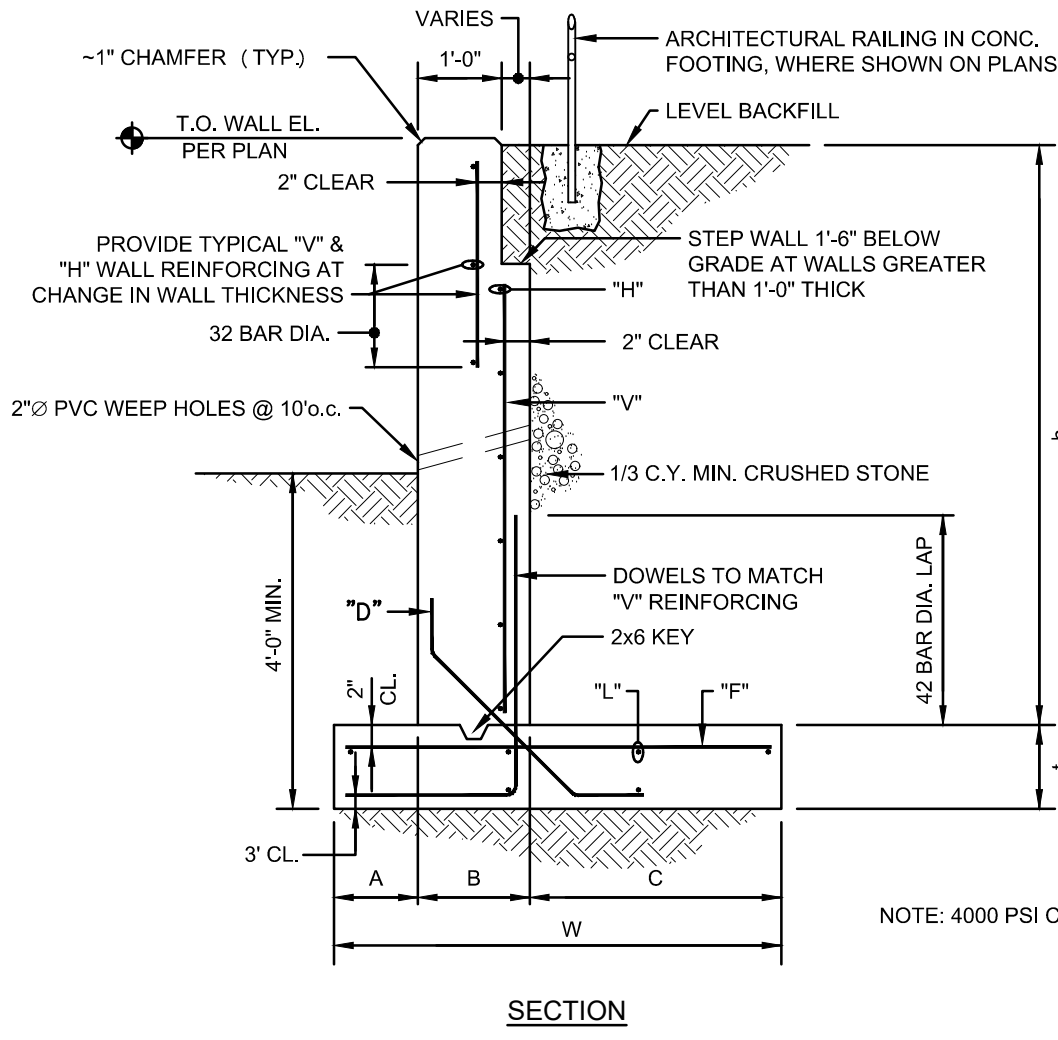
06/27/2022	SD ESTIMATE SET
09/06/2021	SD ESTIMATE SET
MARK DATE:	DESCRIPTION:
ISSUE LOG	
△ = CLOUDED CHANGE	



SCALE	N.T.S.
DRAWN BY	ECVFF
CHECK BY	MLD
PROJ. ARCH. ENGR.	MRMD
PROJ. MGR.	KWO
JOB NO.	19153.00
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NOTES:

1. SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL.

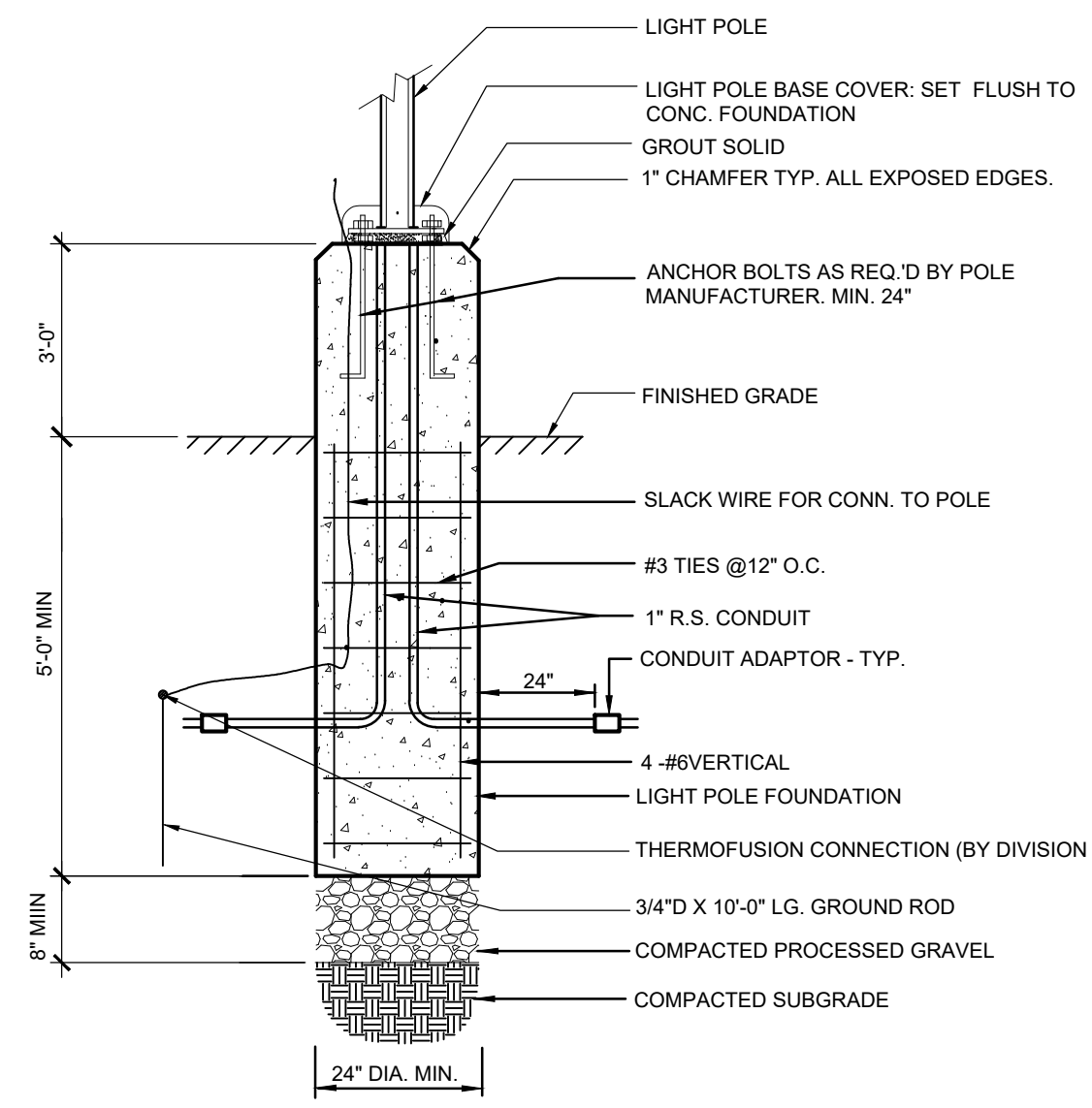


DIMENSIONS				REINFORCING			
h	A	B	C	W	I	V	H
7'-0"	10"	1'-0"	3'-0"	4'-10"	1'-0"	#5@9"	#5@12"
7'-0" TO 12'-0"	1'-0"	1'-3"	3'-0"	5'-0"	1'-3"	#5@8"	#5@12"

G1 CONCRETE RETAINING WALL - TYPE "A"
N.T.S.

NOTE:

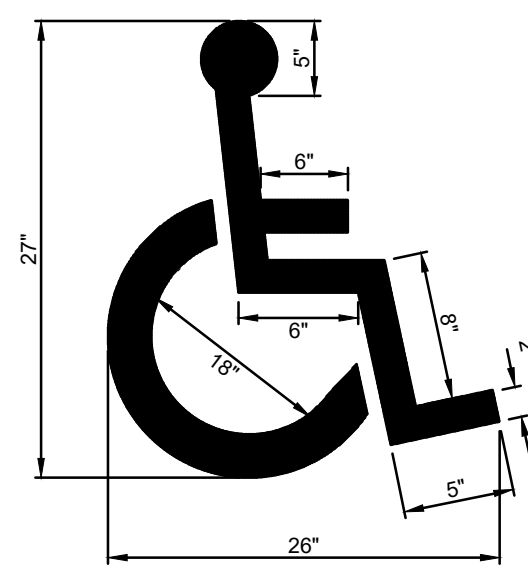
1. SEE ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR LIGHT INSTALLATION AND WIRING.



E1 LIGHT POLE BASE IN PARKING LOT
N.T.S.

NOTES:

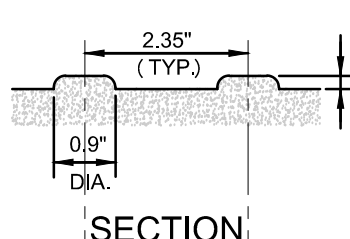
1. ACCESSIBLE PARKING PAVEMENT MARKINGS SHALL BE IN COMPLIANCE WITH THE MASSACHUSETTS ARCHITECTURAL ACCESS BOARD AND THE FEDERAL ADA RULES AND REGULATIONS.



C1 ACCESSIBLE PARKING SYMBOL
N.T.S.

NOTES:

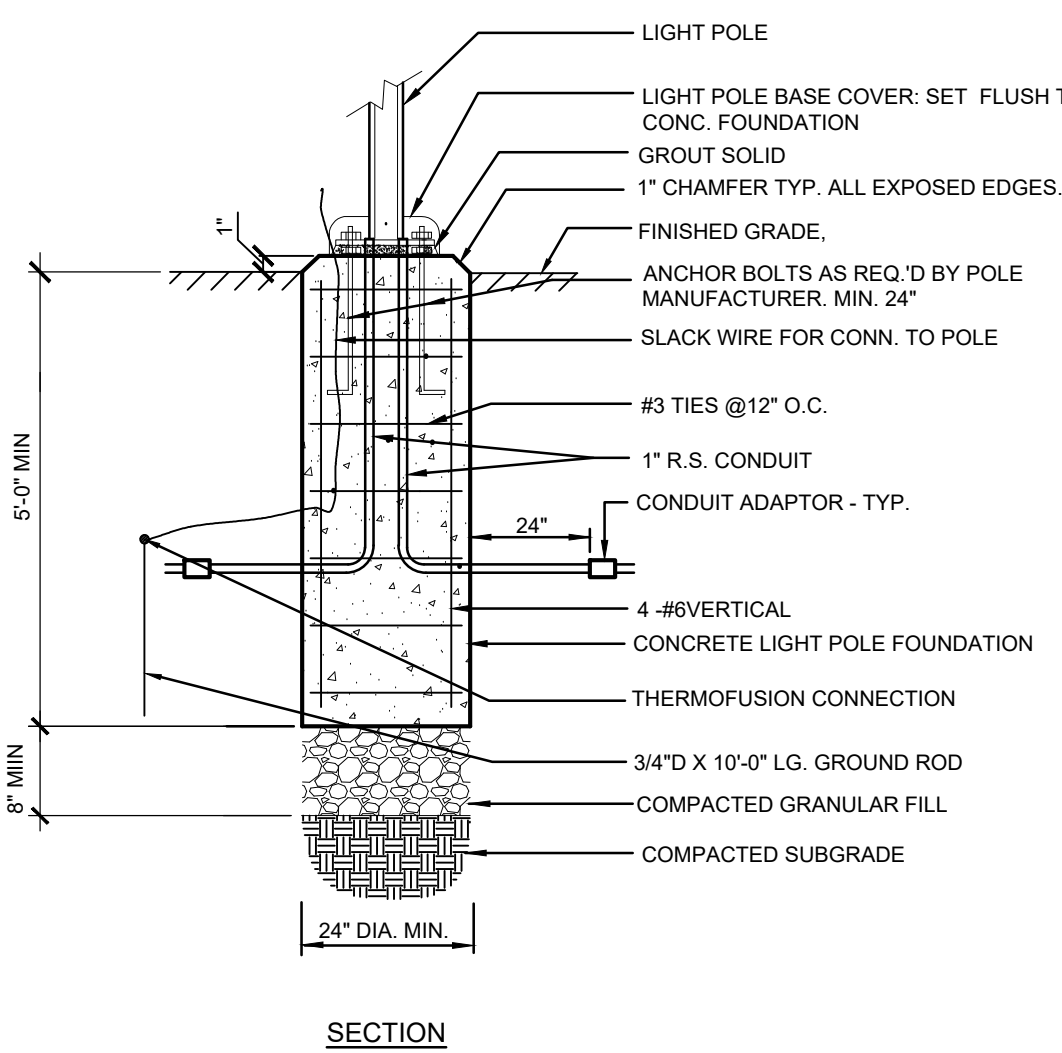
1. DETECTABLE WARNING SURFACES TO EXTEND FULL WIDTH OF CURB RAMP.
2. DETECTABLE WARNING SURFACES TO BE INSTALLED AT ALL ACCESSIBLE CURB CUTS AND ACCESSIBLE CURB CUT RAMPS.



A1 CAST IRON DETECTABLE WARNING SURFACE
N.T.S.

NOTE:

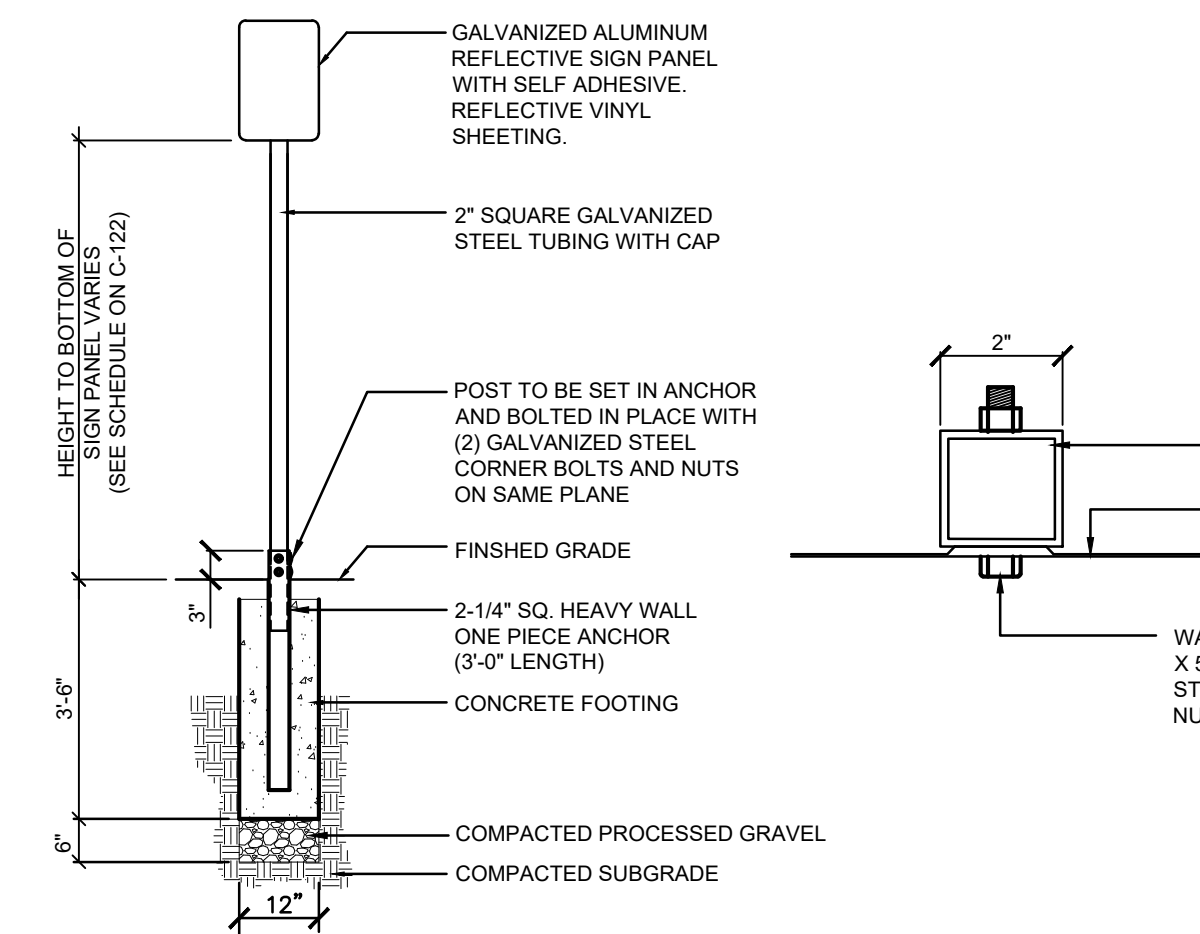
1. SEE ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR LIGHT INSTALLATION AND WIRING.



E3 LIGHT POLE / SECURITY CAMERA POLE BASE IN LANDSCAPE
N.T.S.

NOTES:

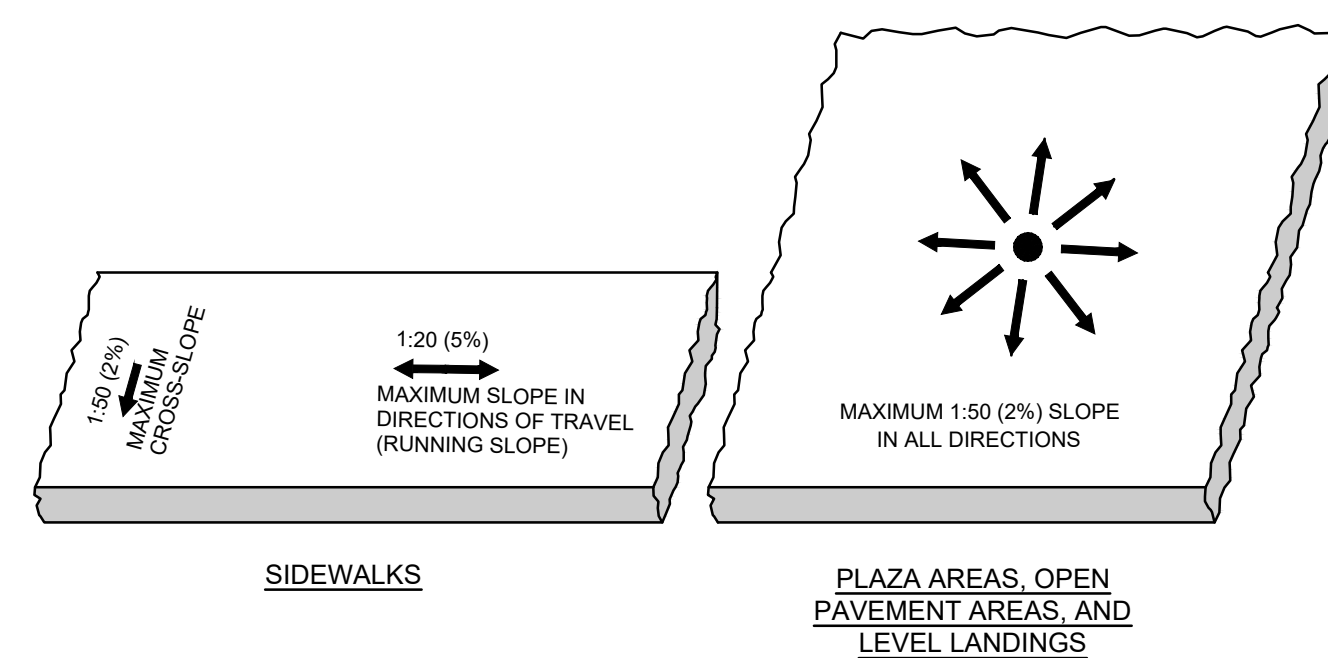
1. SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL.
2. SIGN MOUNTING HEIGHTS SHALL CONFORM TO APPLICABLE MUTCD STANDARDS.



C3 TRAFFIC AND PARKING SIGNS
N.T.S.

NOTES:

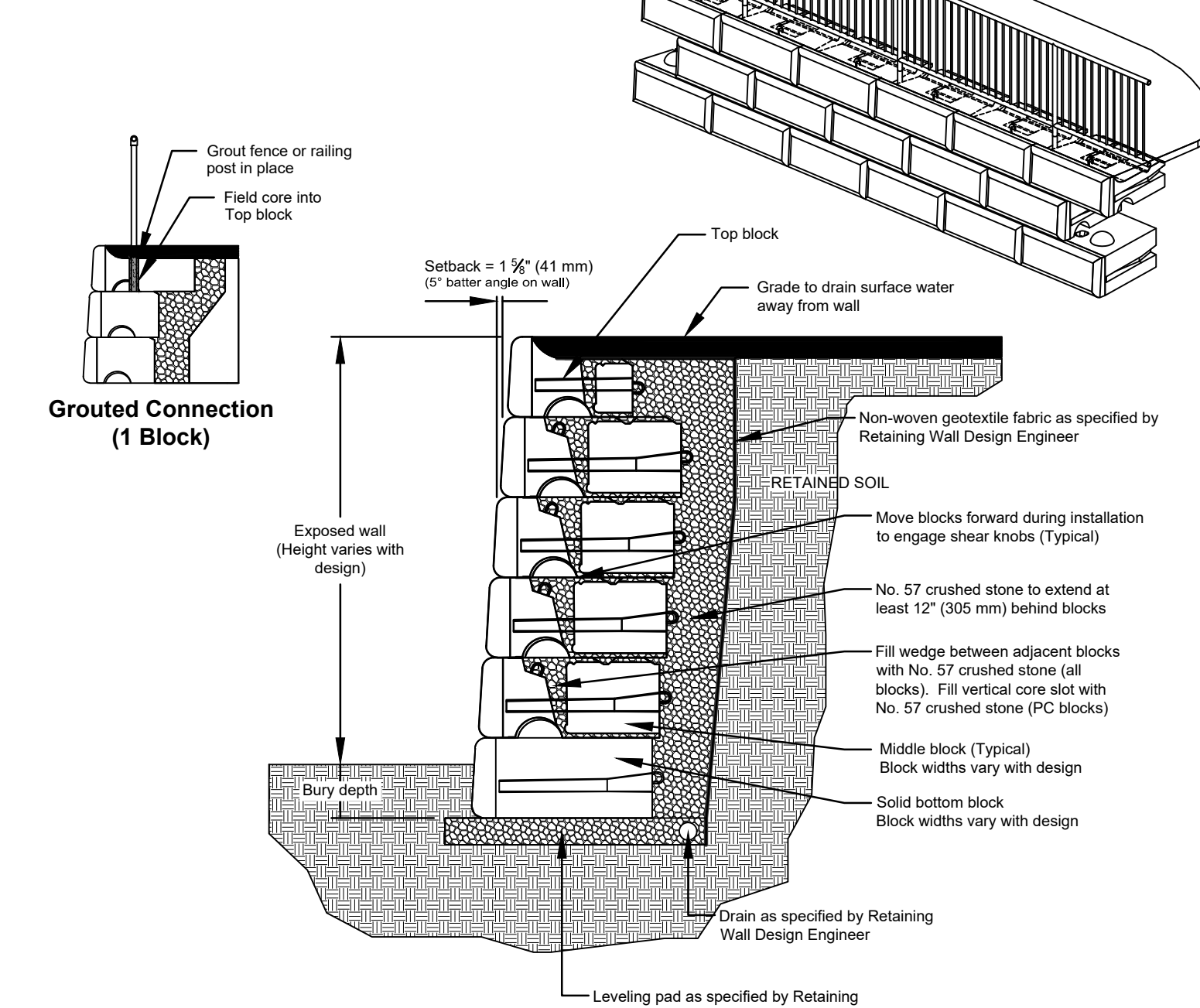
1. ACCESSIBLE PARKING SPACES:
• MAXIMUM SLOPE 1:50 (2%) IN ANY DIRECTION.
2. SIDEWALKS, PLAZAS, AND OPEN PAVEMENT AREAS:
• SLOPE REQUIREMENTS APPLY TO ALL WALKWAY SURFACES.
• SLOPE REQUIREMENTS APPLY TO ALL SIDEWALKS, PLAZAS, AND OPEN AREAS AND ARE NOT LIMITED TO ACCESSIBLE ROUTES.
• IN THE EVENT OF DISCREPANCY BETWEEN THE MAXIMUM ACCESSIBLE CROSS SLOPE OR RUNNING SLOPE PER THE DETAILS AND THE GRADING SHOWN ON THE DRAWINGS, NOTIFY THE ARCHITECT PRIOR TO CONSTRUCTING THE PAVEMENT.
3. CURB CUTS:
• PROVIDE FLUSH TRANSITION FROM CURB CUTS TO ADJACENT WALKS AND STREETS, FREE OF CHANGES IN LEVEL GREATER THAN 1/8\"/>



A3 PAVEMENT SLOPES
N.T.S.

NOTES:

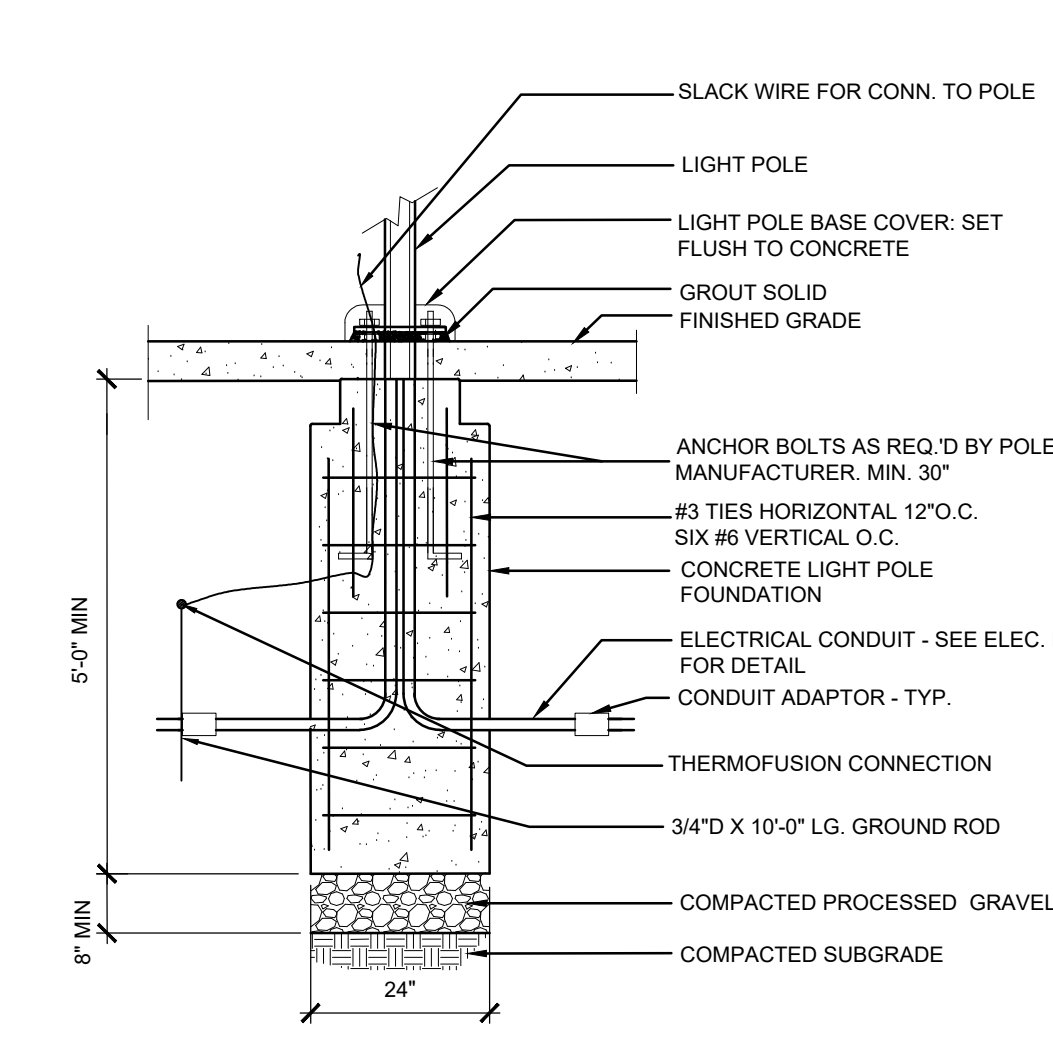
1. CONTRACTOR TO SUBMIT SHOP DRAWINGS STAMPED BY RETAINING WALL DESIGN ENGINEER.



G5 SEGMENTAL BLOCK RETAINING WALL
N.T.S.

NOTE:

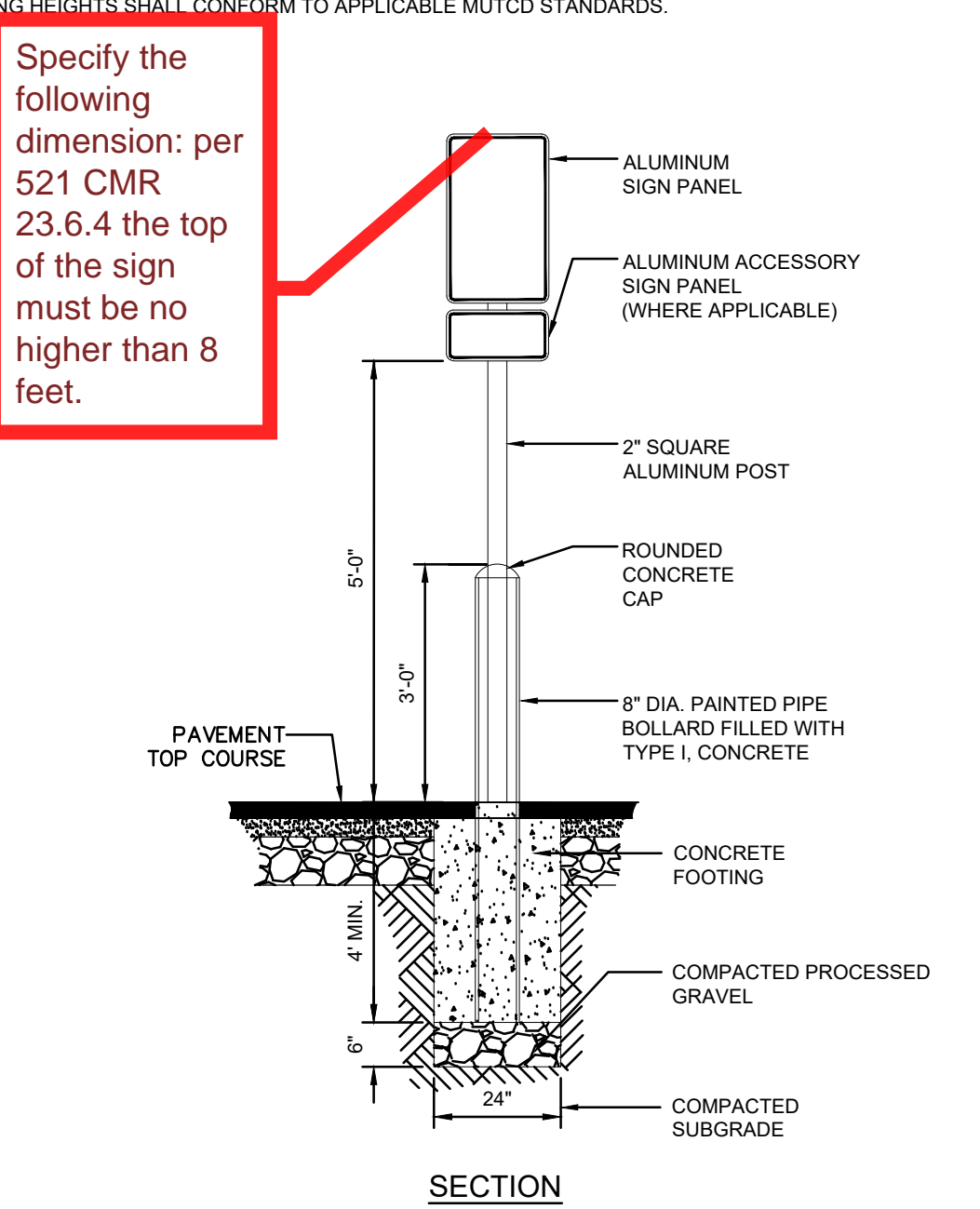
1. SEE ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR LIGHT INSTALLATION AND WIRING.



E5 LIGHT POLE BASE IN CONCRETE PAVEMENT
N.T.S.

NOTES:

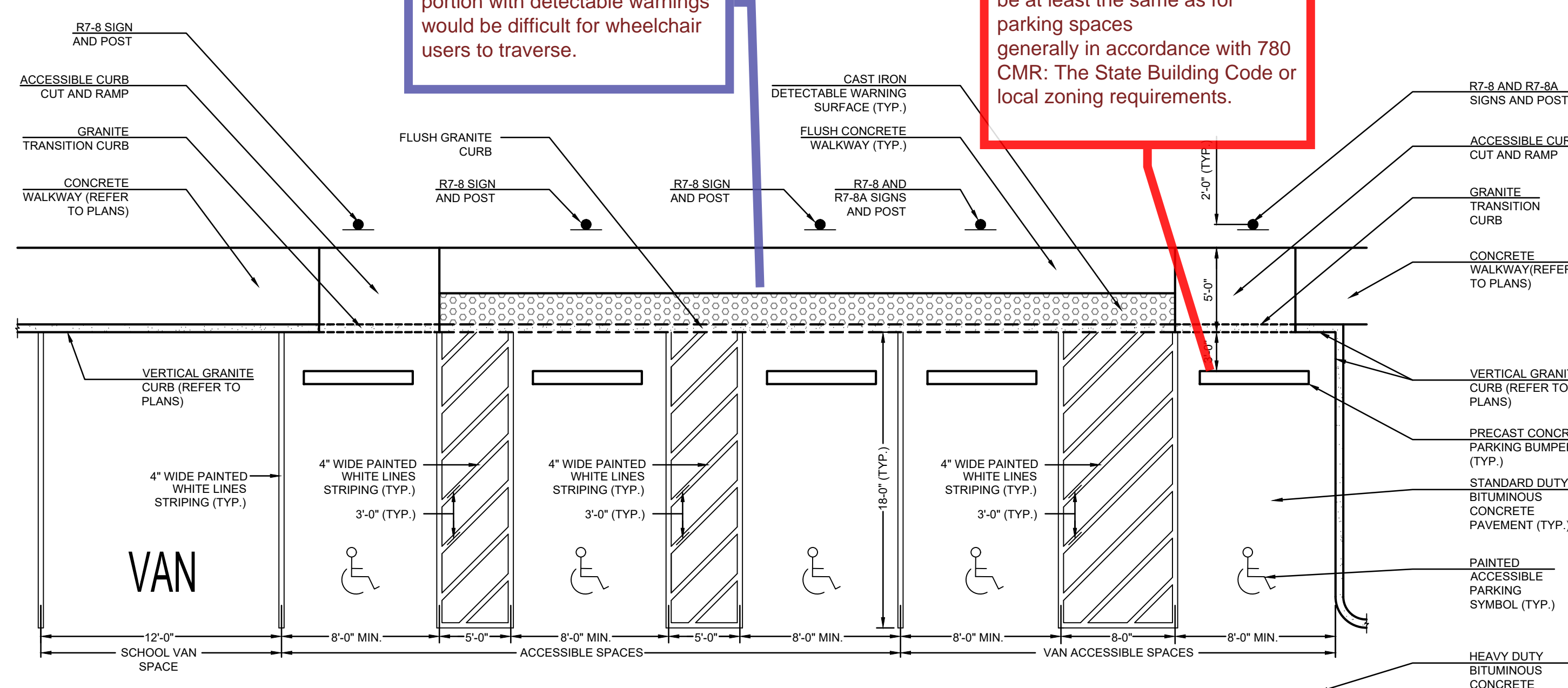
1. SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL.
2. SIGN MOUNTING HEIGHTS SHALL CONFORM TO APPLICABLE MUTCD STANDARDS.



C5 ACCESSIBLE PARKING SIGN - SINGLE POST WITH BOLLARD
N.T.S.

NOTES:

1. REFER TO DETAIL A3 (C-506) FOR PAVEMENT SLOPE REQUIREMENTS.
2. WHERE STANDARD AND ACCESSIBLE PARKING SPACES AND ACCESSIBLE ROUTES OF A CURVE, THE DIMENSIONS INDICATED HEREIN ARE TO BE COMPLIED WITH.
3. ACCESSIBLE PARKING SPACES:
• LOCATE SIGN WITHIN 10' OF ACCESSIBLE SPACE.
• PROVIDE AN ACCESSIBLE CURB CUT AT EACH ACCESS ASILE BETWEEN ACCESSIBLE PARKING SPACES.



A5 ACCESSIBLE PARKING SPACES
N.T.S.

NOTE:

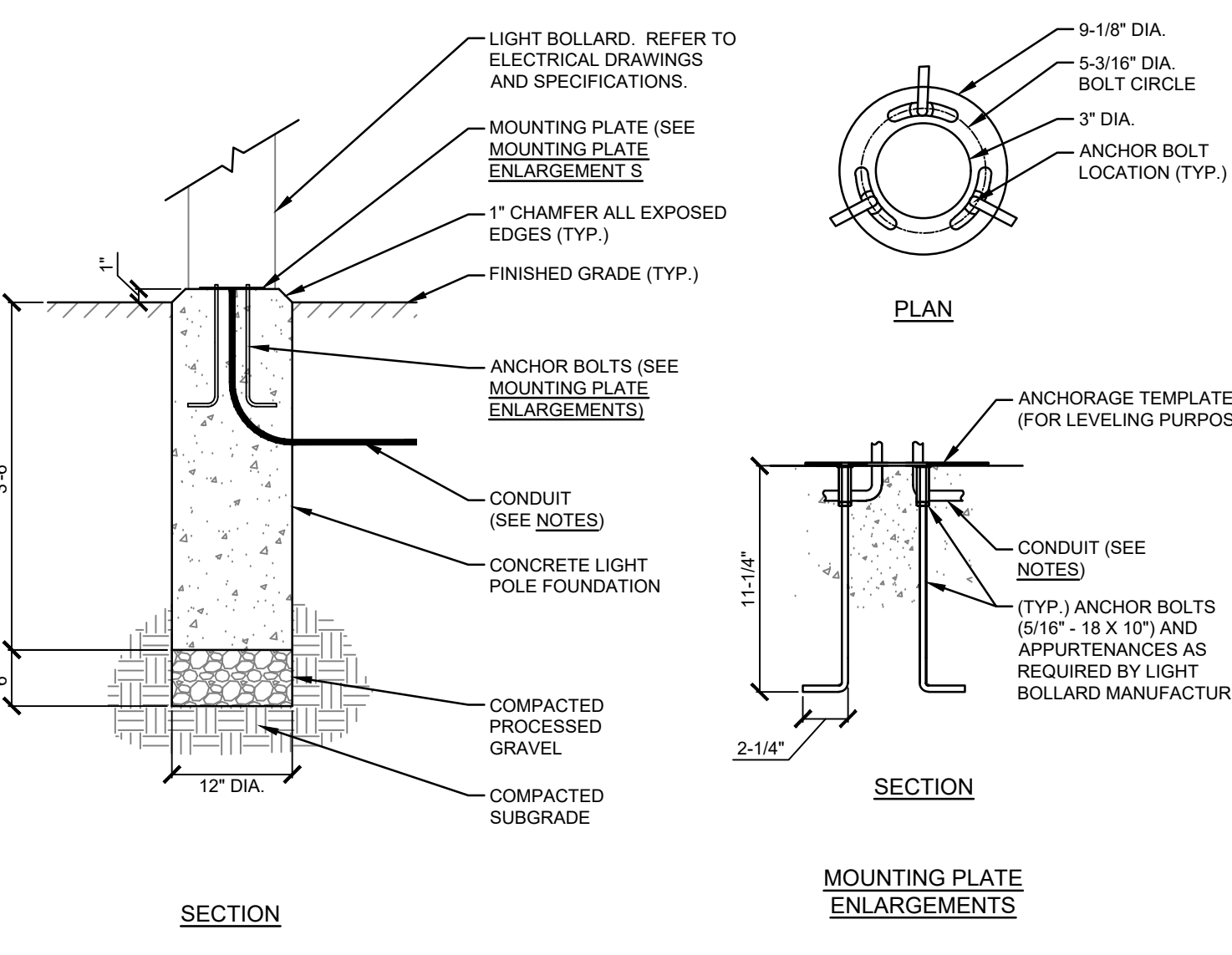
1. THE IMAGES PROVIDED BELOW ARE INTENDED TO ILLUSTRATE THE DESIGN INTENT FOR THESE SEATWALLS.



G7 18\" GABION SEATWALL WITH IPE SLAT SEATING
N.T.S.

NOTE:

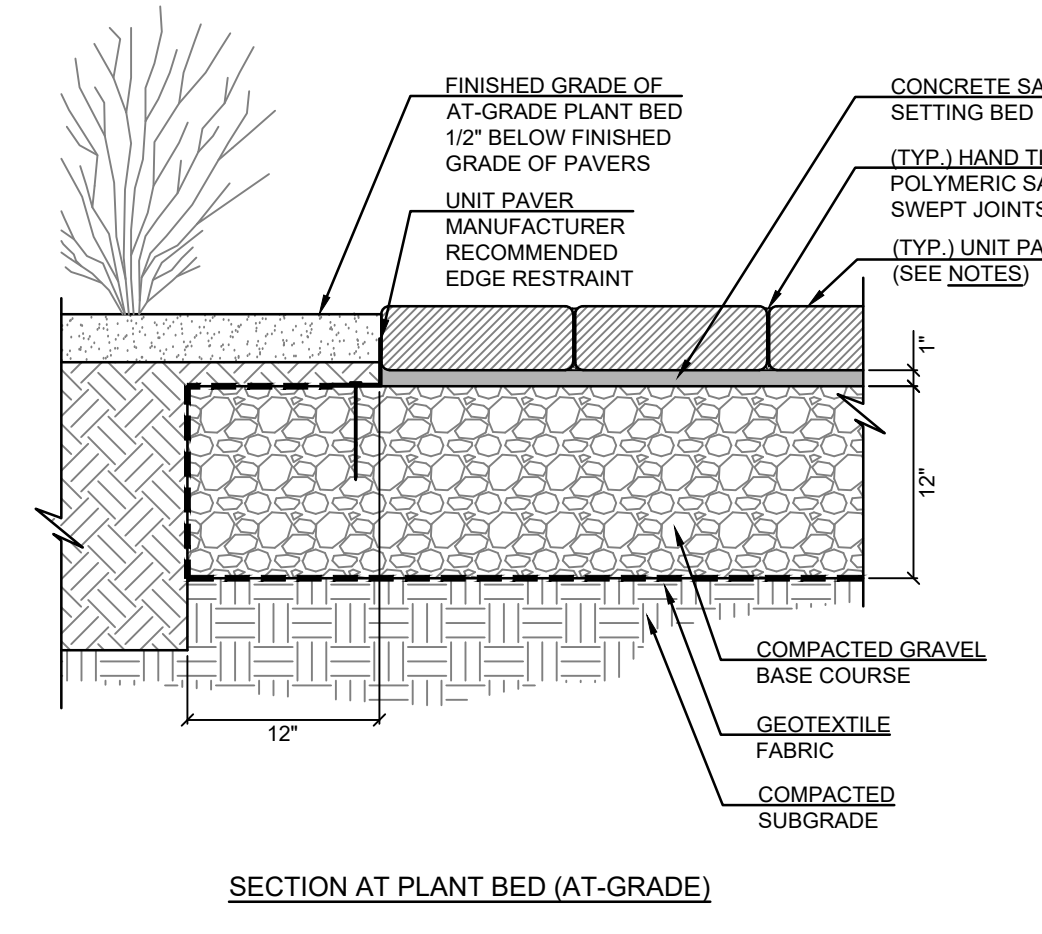
1. SEE ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR LIGHT INSTALLATION AND WIRING.



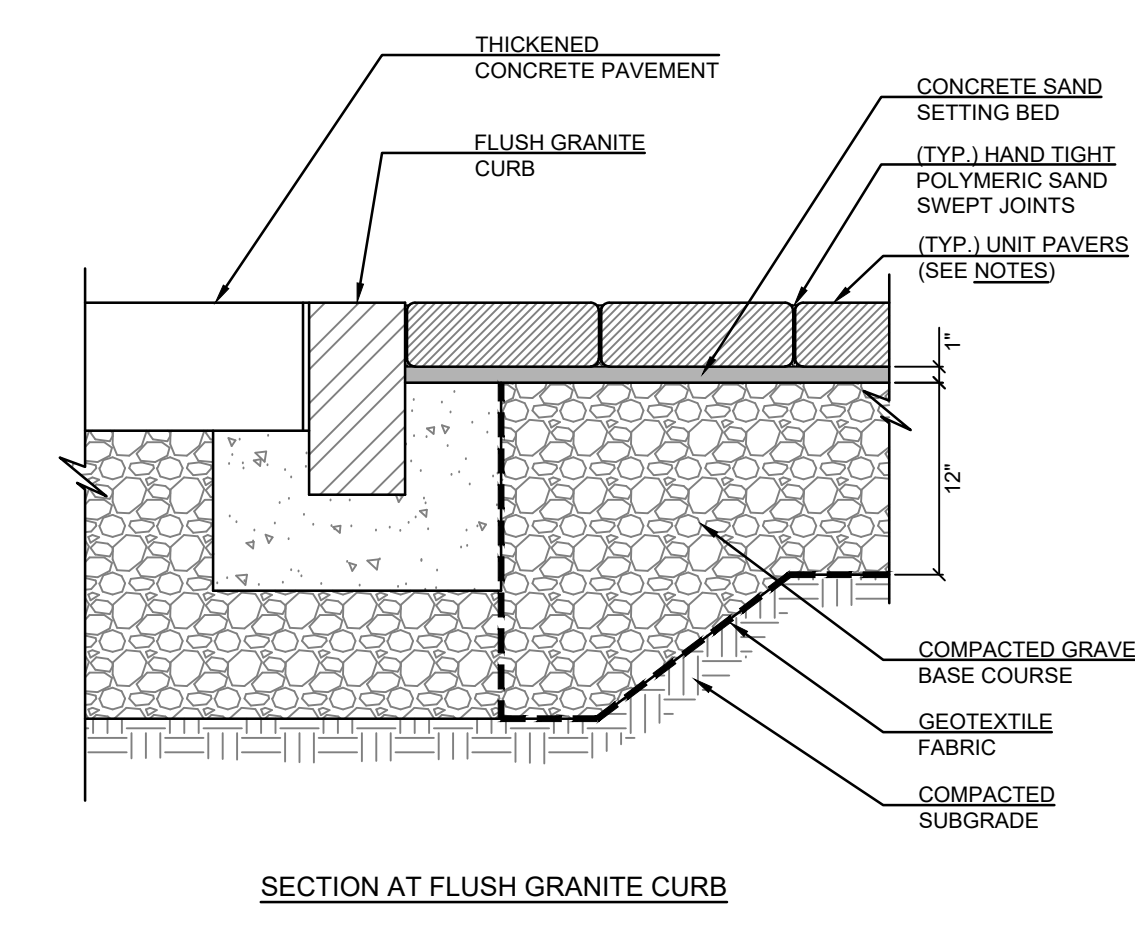
E7 BOLLARD LIGHT BASE IN LANDSCAPE
N.T.S.

NOTE:

1. SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL.



C7 UNIT PAVERS
N.T.S.



E9 LEVEL LANDING AT BUILDING ENTRANCES
N.T.S.

SMMA

SMMA
1000 Massachusetts Avenue
Cambridge, MA 02138
P: 617.547.5400 F: 800.648.4920

EWING
COLE

Ewing Cole
Federal Reserve Bank Building
100 North 5th Street
Philadelphia, PA 19106-1500
P: 215.923.2020 F: 215.574.0952
EC Project No. 20190666



Concord Middle School
835 Old Marlboro Road
Concord, MA 01742

02/27/2022	02 ESTIMATE SET
03/06/2021	02 ESTIMATE SET
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ISSUE LOG	
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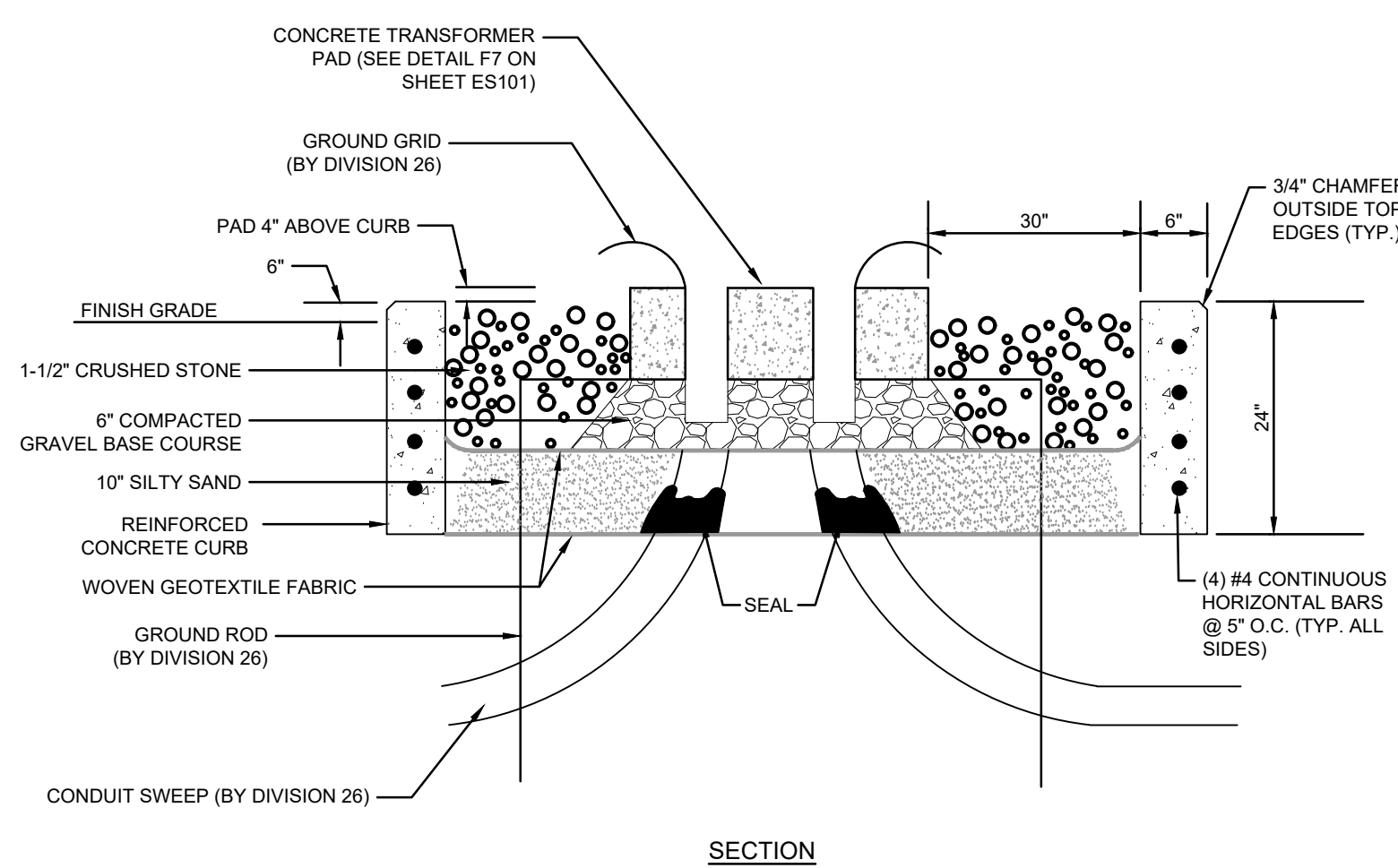
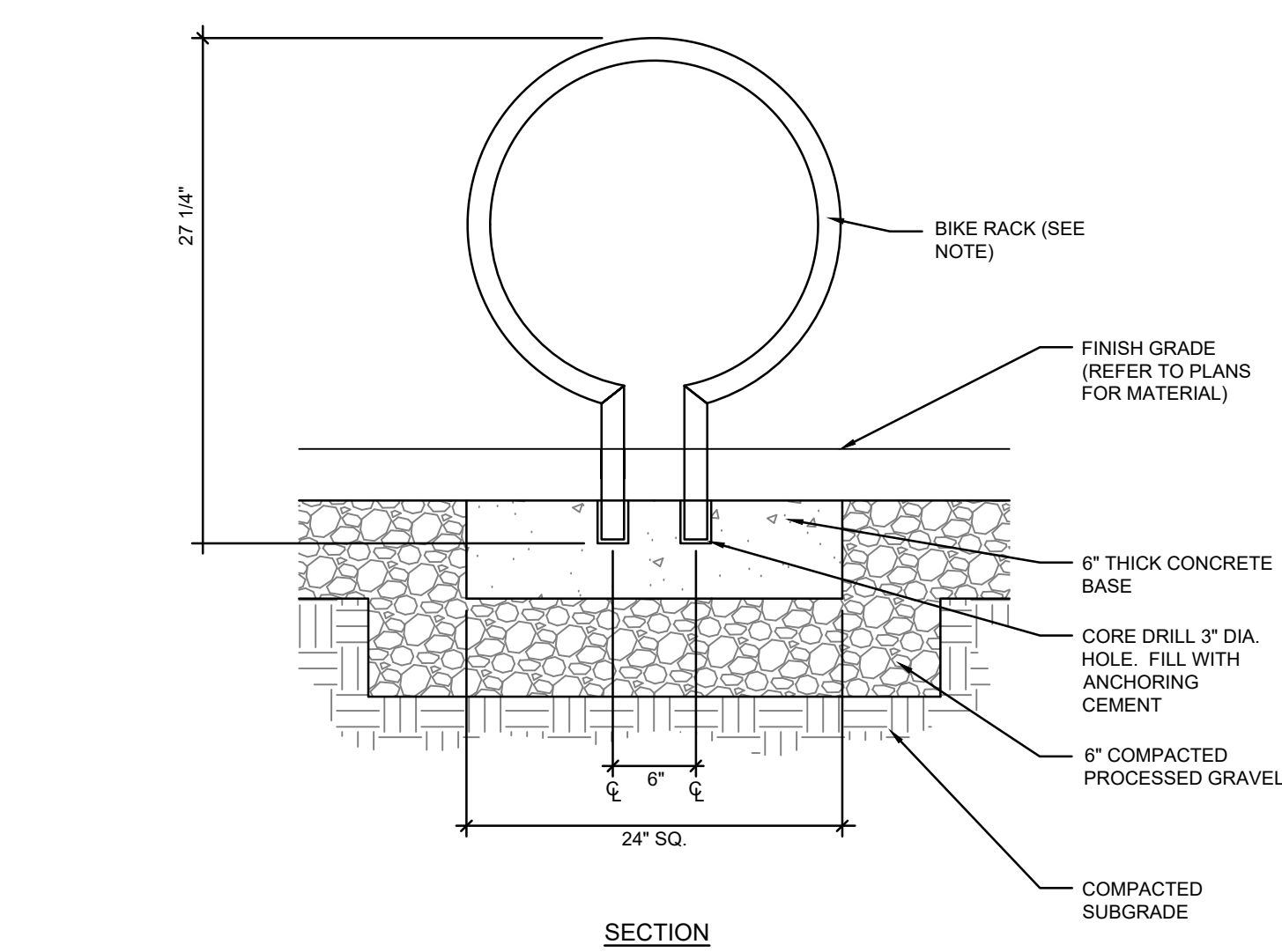
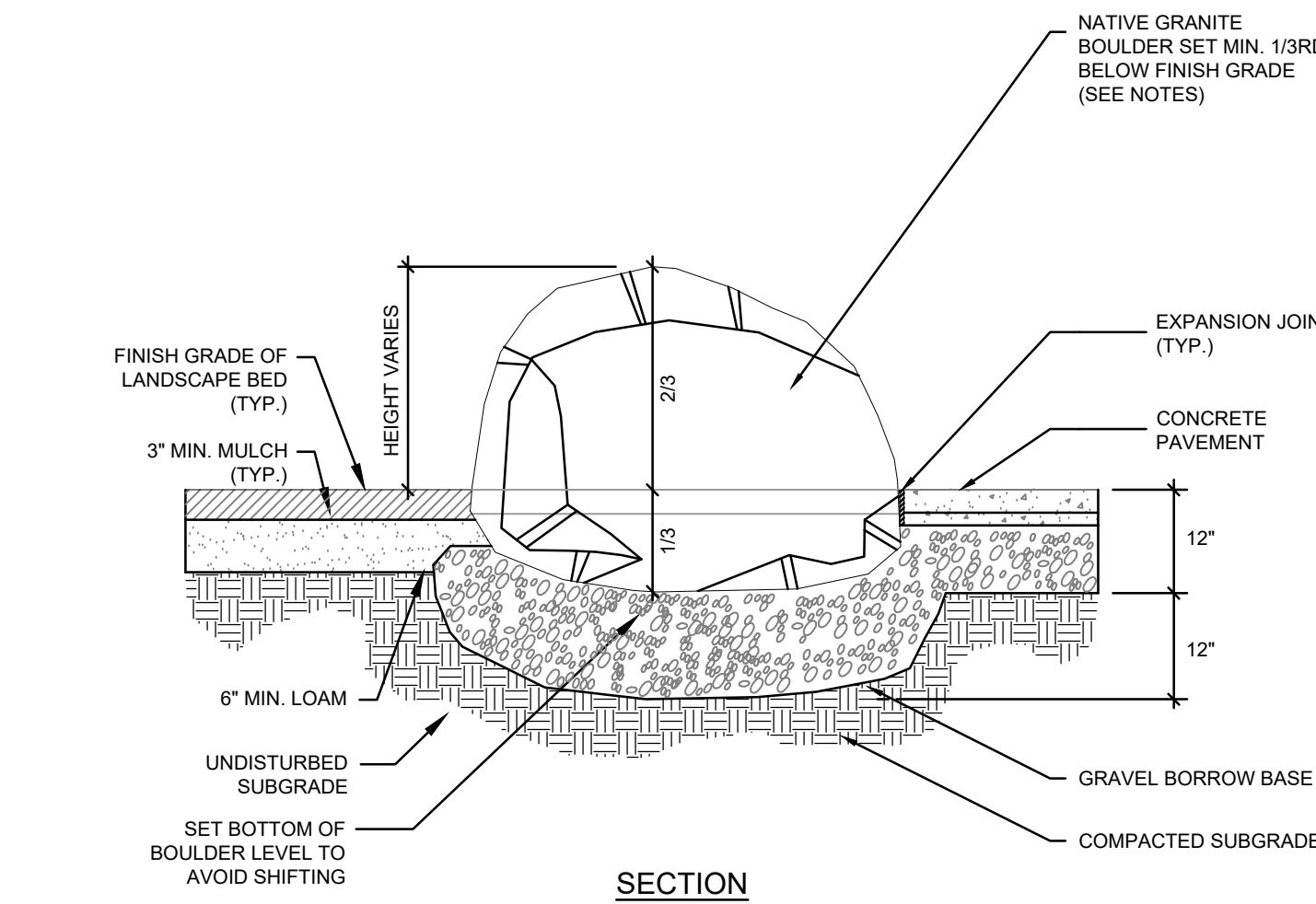
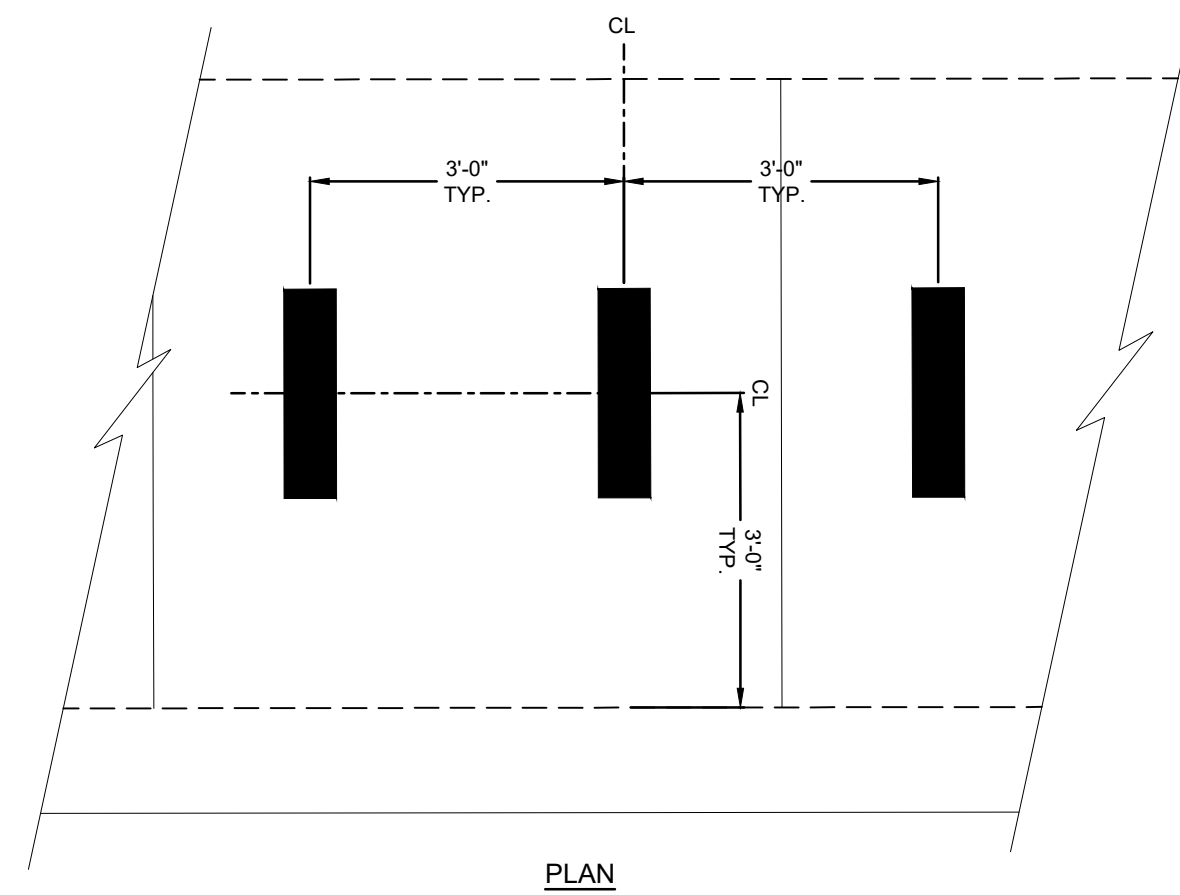
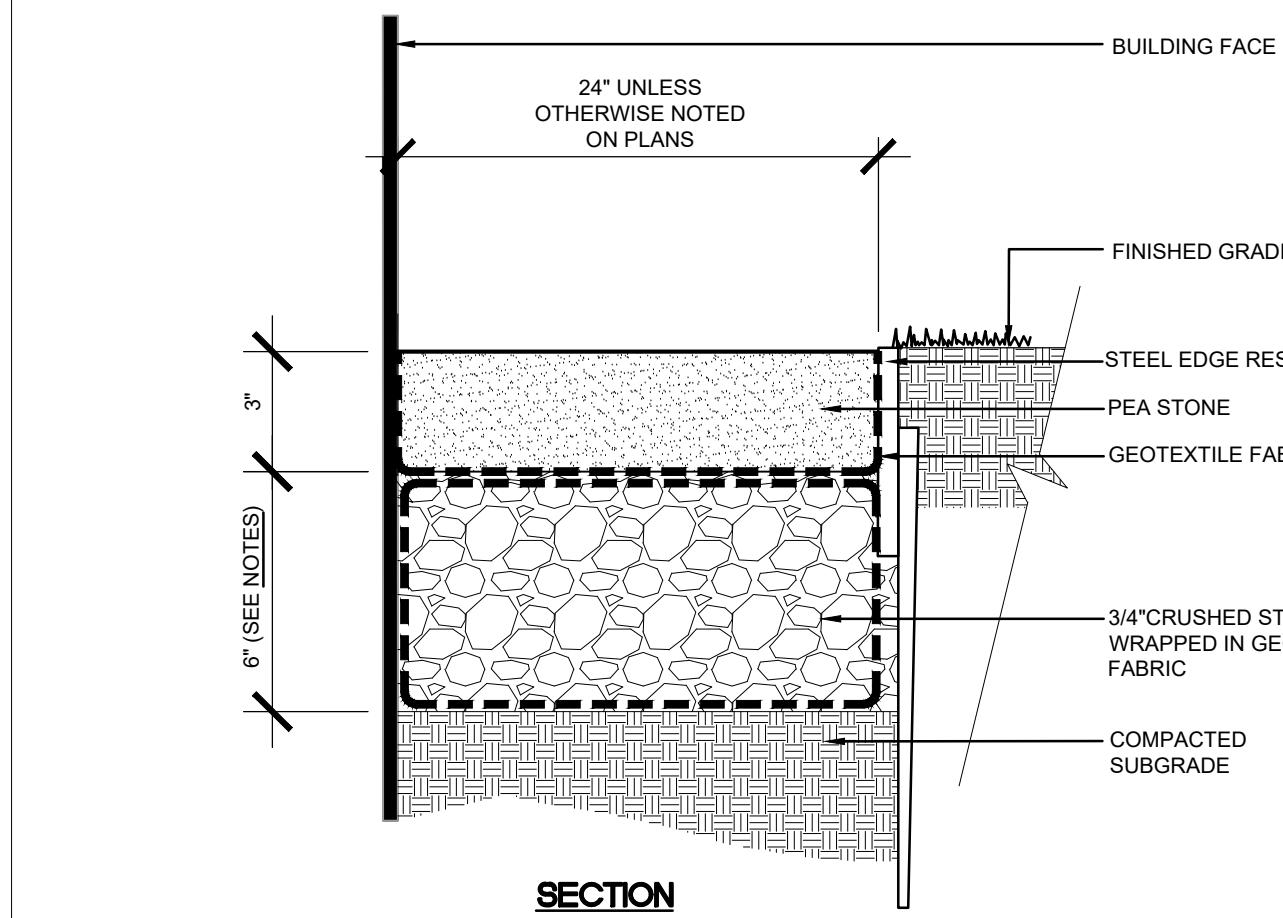
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DRAWN BY	ECV/F
CHECK BY	MLD
PROJ. ARCH. ENGR.	MR/MG
PROJ. MGR.	KWO
JOB NO.	19153.00
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DETAILS VI

C-506



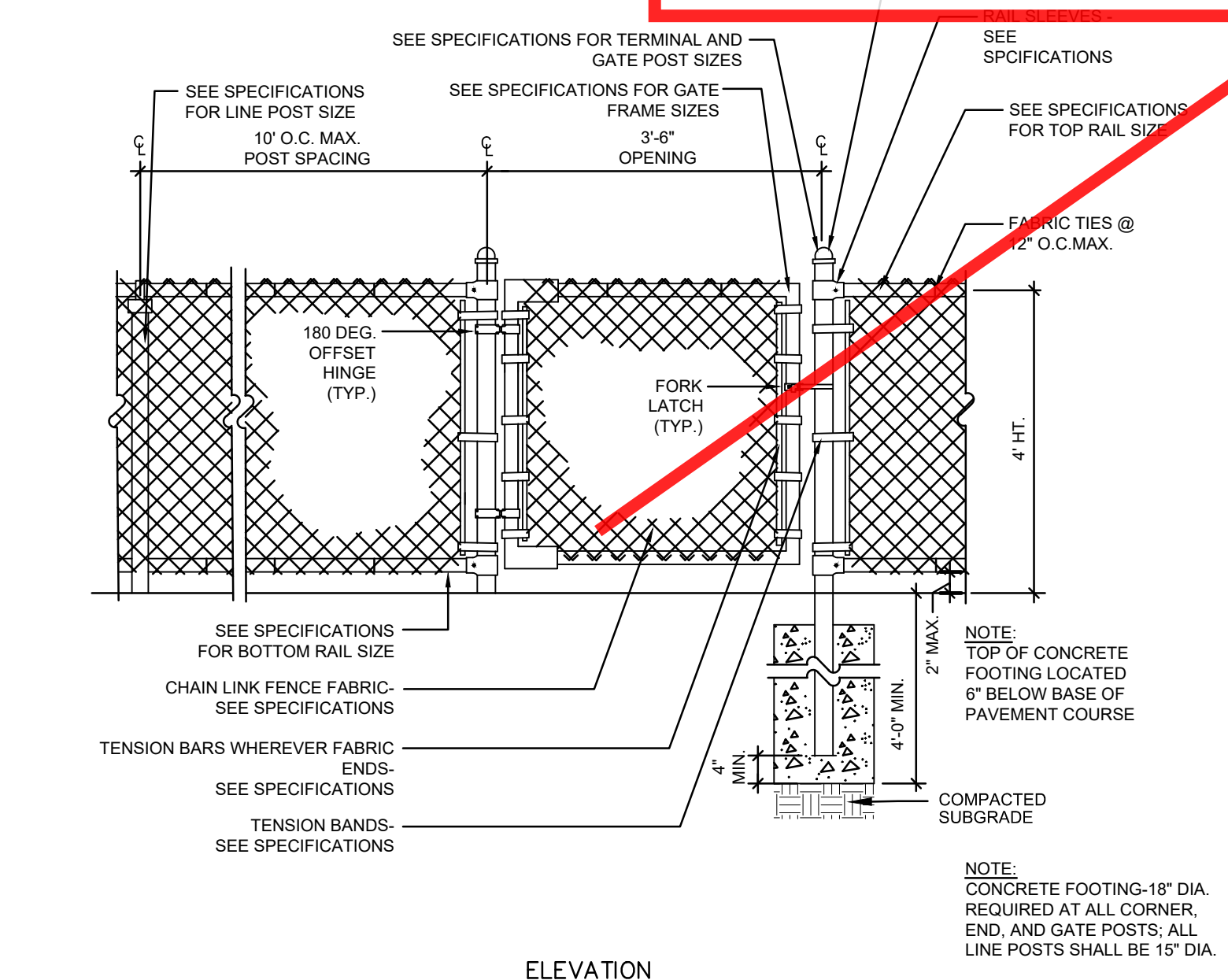
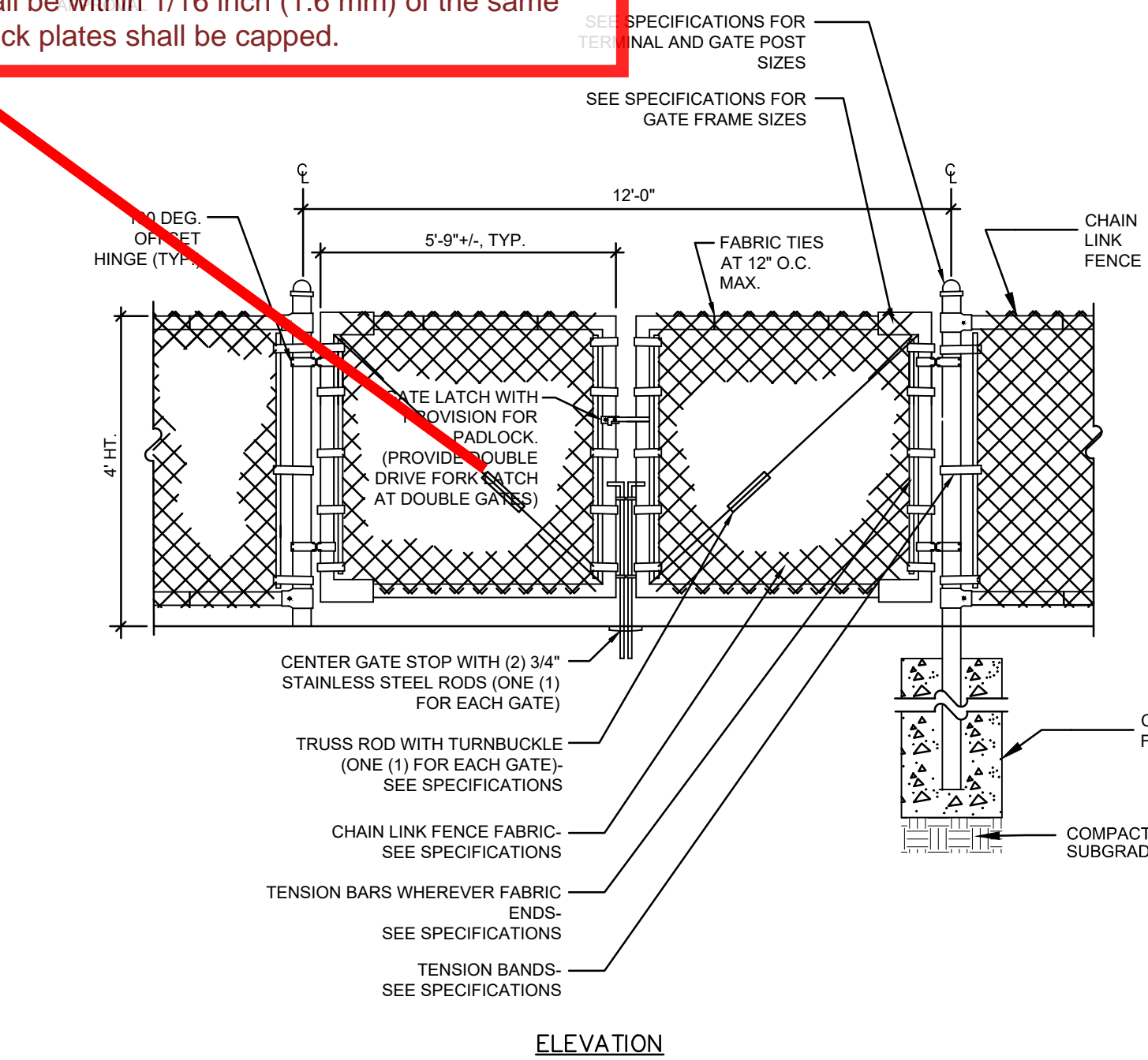
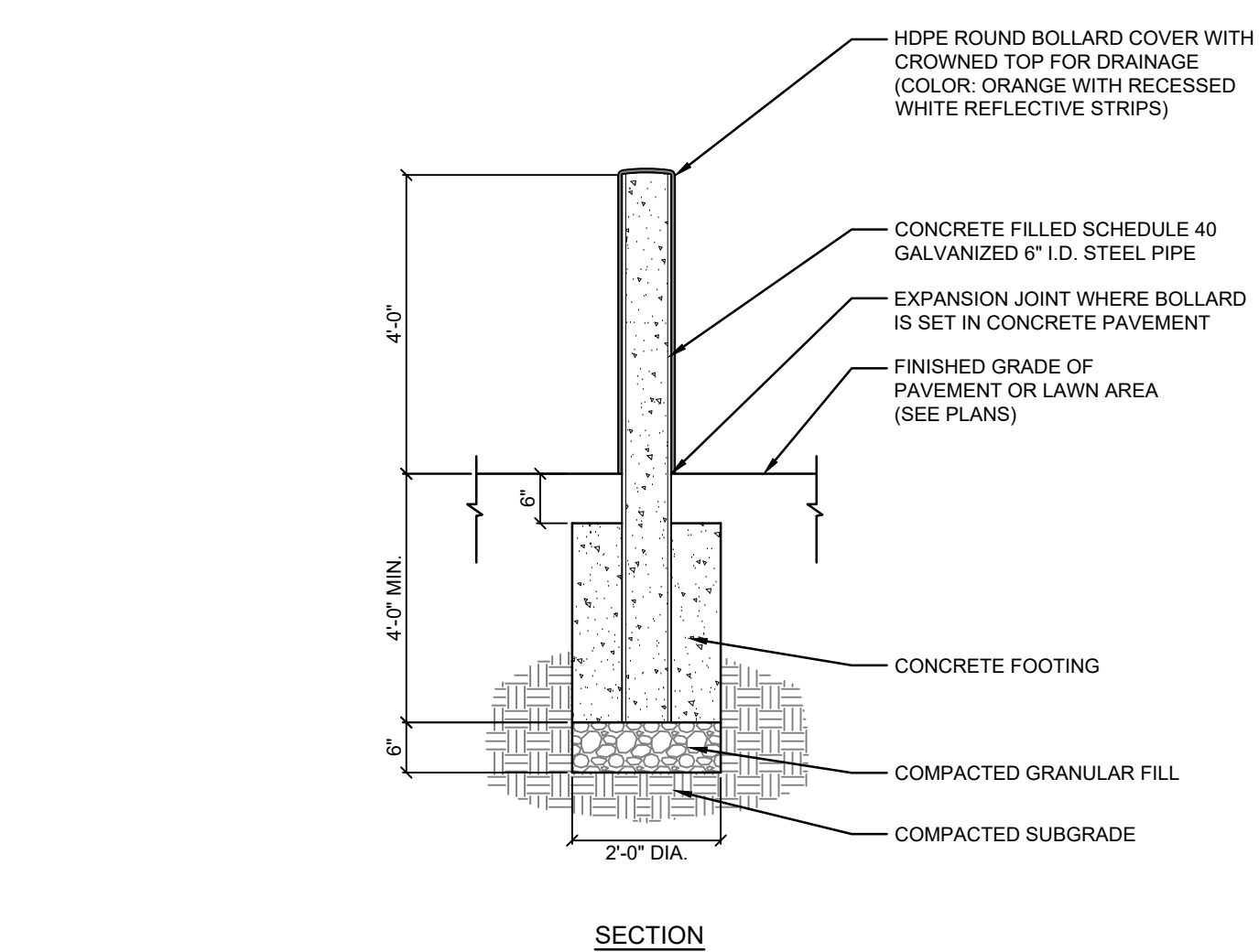
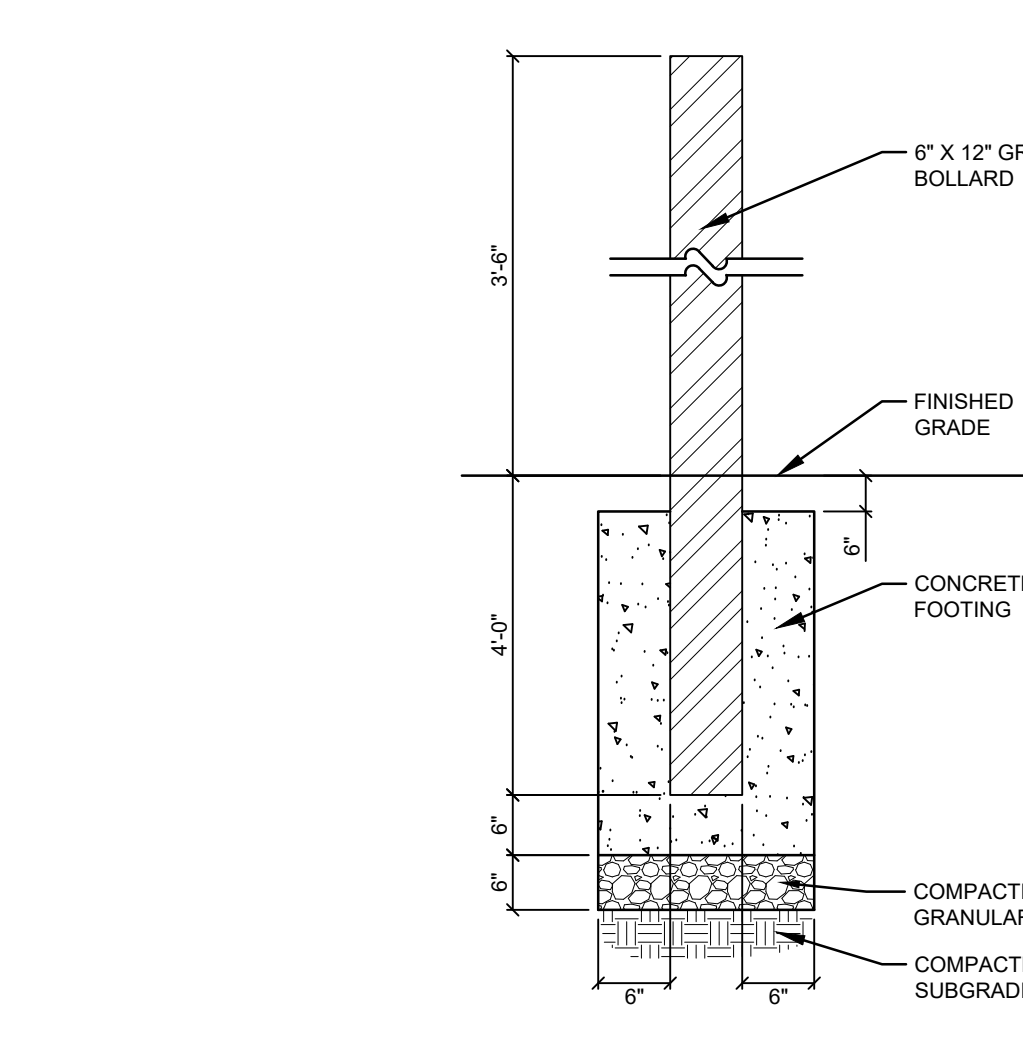
Concord Middle School

835 Old Marlboro Road
Concord, MA 01742**E1 OIL CONTAINMENT AT TRANSFORMER PAD**
N.T.S.**E3 BIKE RACK INSTALLATION**
N.T.S.**E7 PLACED LANDSCAPE BOULDER**
N.T.S.**E9 MOW STRIP**
N.T.S.

NOTES:

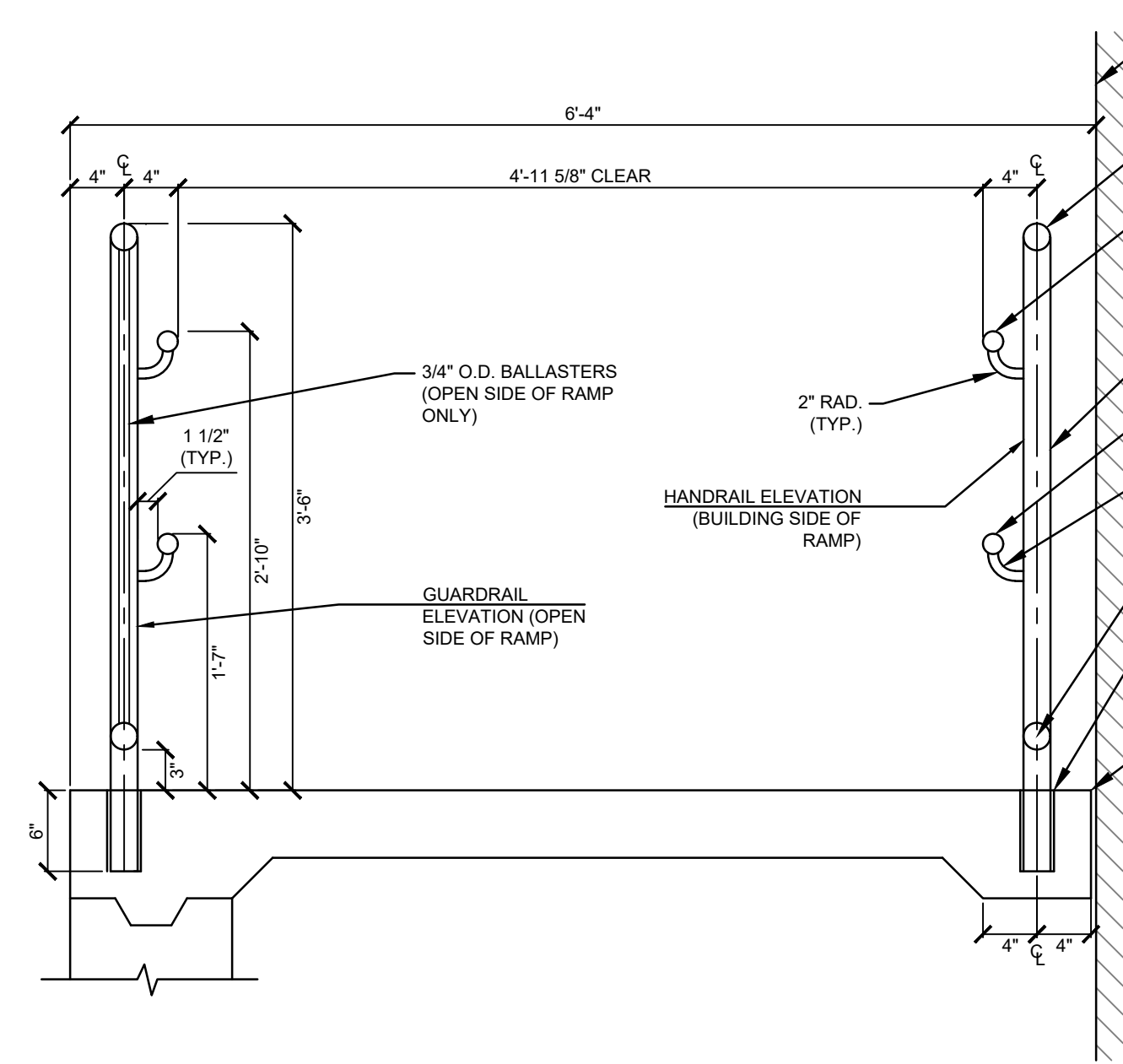
- CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL.

Per ADA 2010 Standards: 404.2.10 Door and Gate Surfaces. Swinging door and gate surfaces within 10 inches (255 mm) of the finish floor or ground measured vertically shall have a smooth surface on the push side extending the full width of the door or gate. Parts creating horizontal or vertical joints in these surfaces shall be within 1/16 inch (1.6 mm) of the same plane as the other. Cavities created by added kick plates shall be capped.

**C1 CHAIN LINK FENCE WITH GATE**
N.T.S.**C3 CHAIN LINK DOUBLE GATE**
N.T.S.**A1 STEEL BOLLARD**
N.T.S.**A3 GRANITE BOLLARD**
N.T.S.

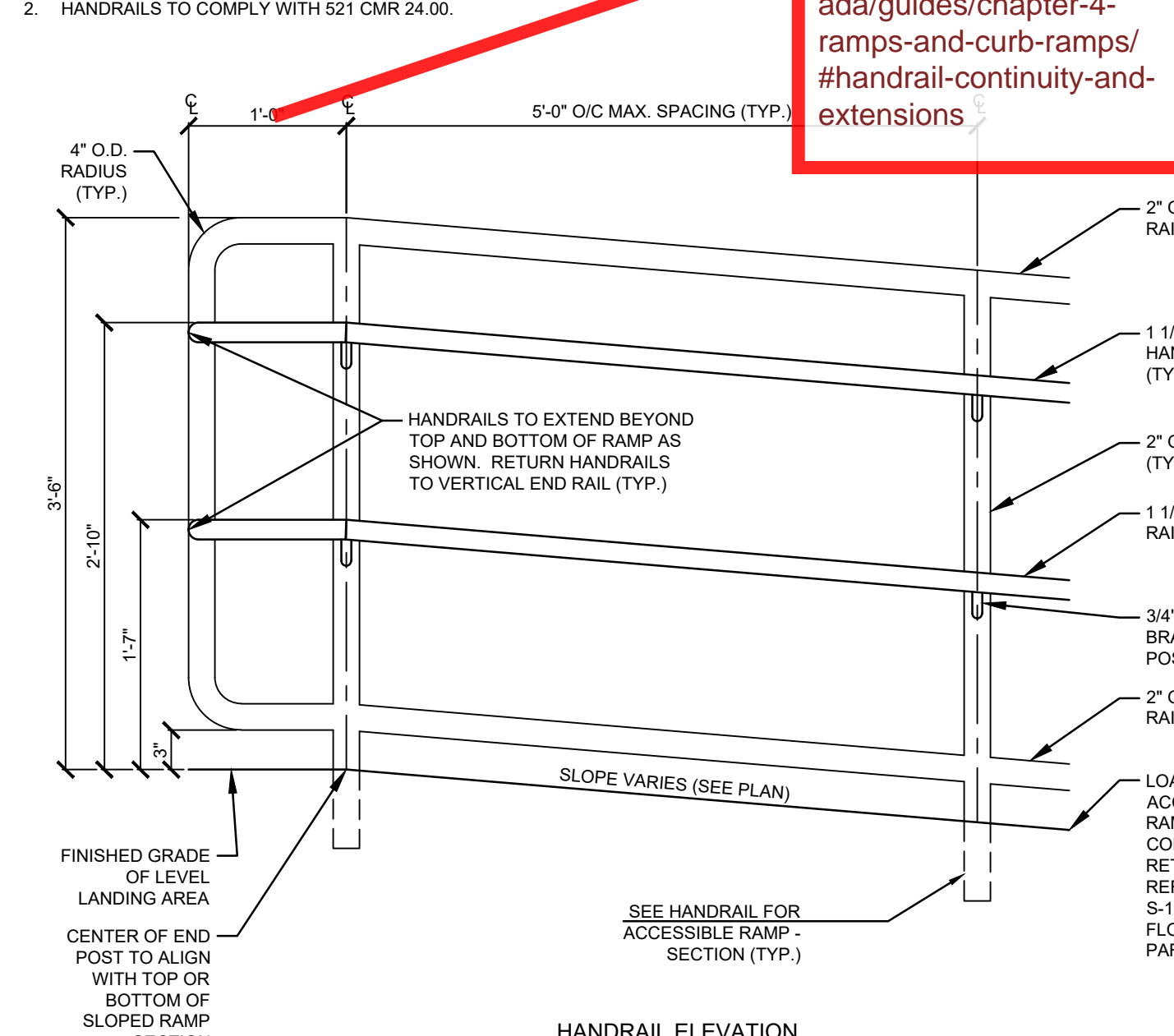
NOTES:

- CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL.
- HANDRAILS TO COMPLY WITH 521 CMR 24.00.

**A5 HANDRAIL FOR ACCESSIBLE RAMP - SECTION**
N.T.S.

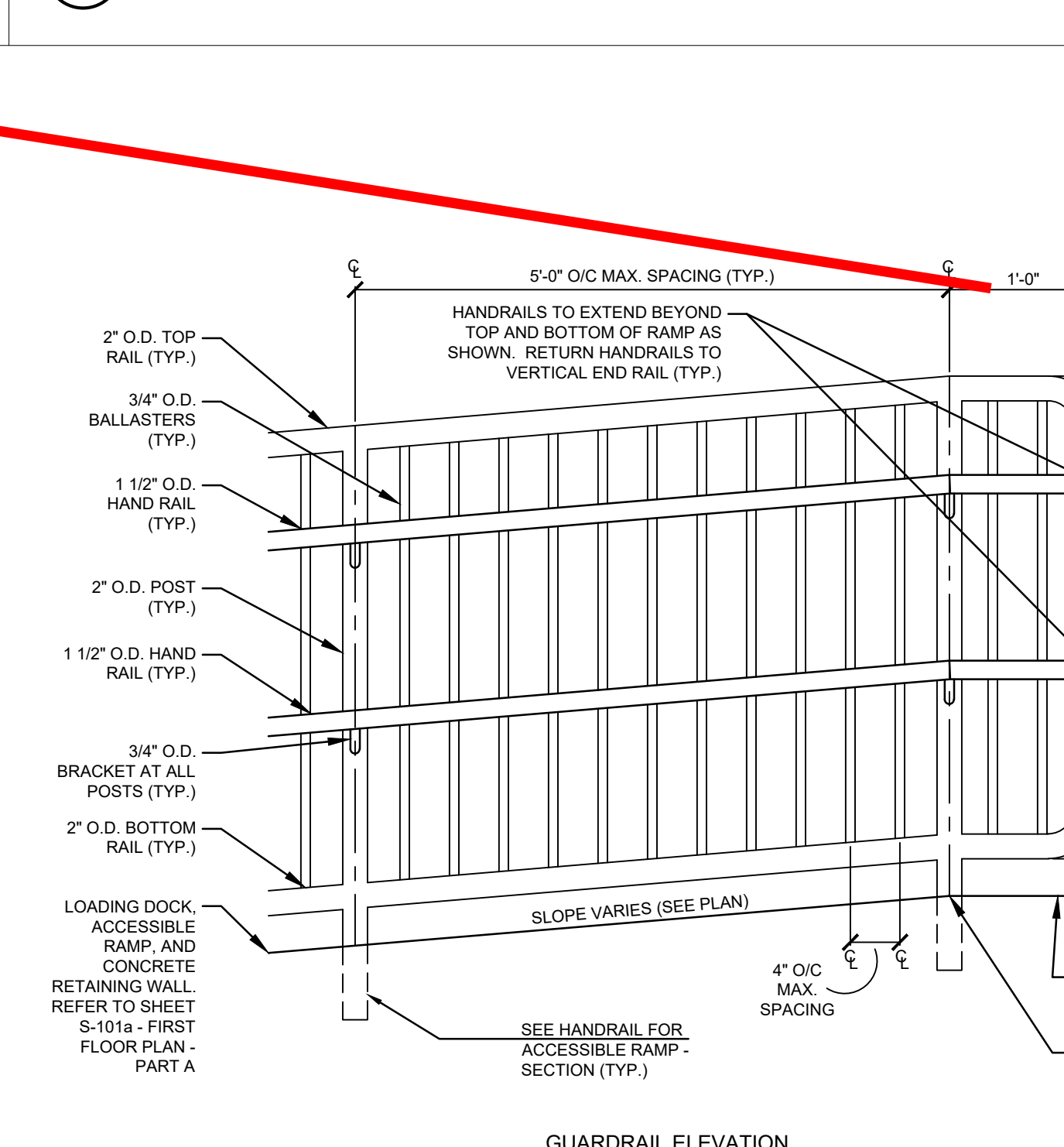
NOTES:

- CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL.
- HANDRAILS TO COMPLY WITH 521 CMR 24.00.

**A7 HANDRAIL FOR ACCESSIBLE RAMP - ELEVATIONS**
N.T.S.

NOTES:

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

**C9 ELECTRIC VEHICLE CHARGING STATION FOUNDATION**
N.T.S.

02/27/2022	02 ESTIMATE SET
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PROJ. MGR.	KWO
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DETAILS VII

NOTES:

1. REFER TO SHEET C-121 FOR OUTFIELD LAYOUT AND MATERIALS INFORMATION.
2. REFER TO SHEETS C-151 AND C-152 FOR LIMITS OF TYPICAL ATHLETIC FIELD CROSS SECTION.
3. THE LAYOUT OF THIS SOFTBALL DIAMOND SHALL BE A 60° SQUARE WITH BASELINES THAT MEET AT 90-DEGREE ANGLES.
4. LAYOUT AND DIMENSIONS OF SOFTBALL FIELD SHALL CONFORM TO M.I.A.A. STANDARDS.
5. ALL LINES TO BE 2" WIDE. LINES WITHIN SKINNED INFELD AREAS SHALL BE MARKED WITH WHITE CHALK CONFORMING TO M.I.A.A. STANDARDS. LINES WITHIN TURF AREAS SHALL BE MARKED WITH WHITE PAINT CONFORMING TO M.I.A.A. STANDARDS.

NOTE: THE LAYOUT FOR THE PLAYERS AREA ALONG THE THIRD BASE SIDE IS A MIRROR IMAGE OF THE FIRST BASE SIDE UNLESS OTHERWISE NOTED

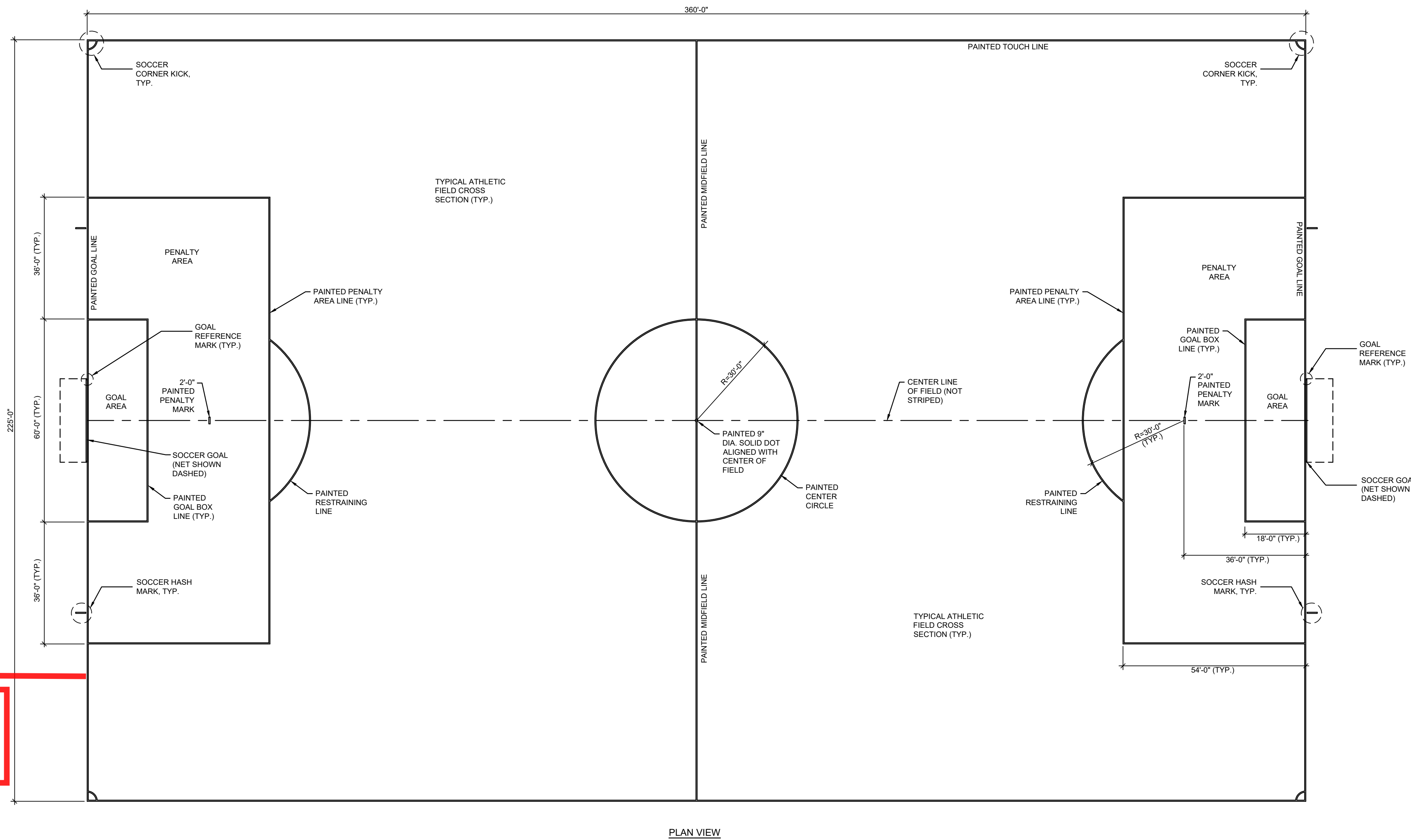
Ensure that there is space for a wheelchair user to sit alongside the team seating bench and an accessible route to the wheelchair space. Ensure that gates have maneuvering clearance.

E1 M.I.A.A. GIRLS' SOFTBALL INFELD AND TEAM AREAS LAYOUT

SCALE: 1"=10'

NOTES:

1. LAYOUT AND DIMENSIONS SHALL CONFORM TO M.I.A.A. STANDARDS.
2. ALL SOCCER LINES SHALL BE 4" WIDE AND YELLOW UNLESS OTHERWISE NOTED.
3. ALL END LINES AND SIDELINES ARE CONSIDERED IN-BOUNDS. DIMENSIONS ARE TO OUTSIDE OF LINE.
4. SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL.

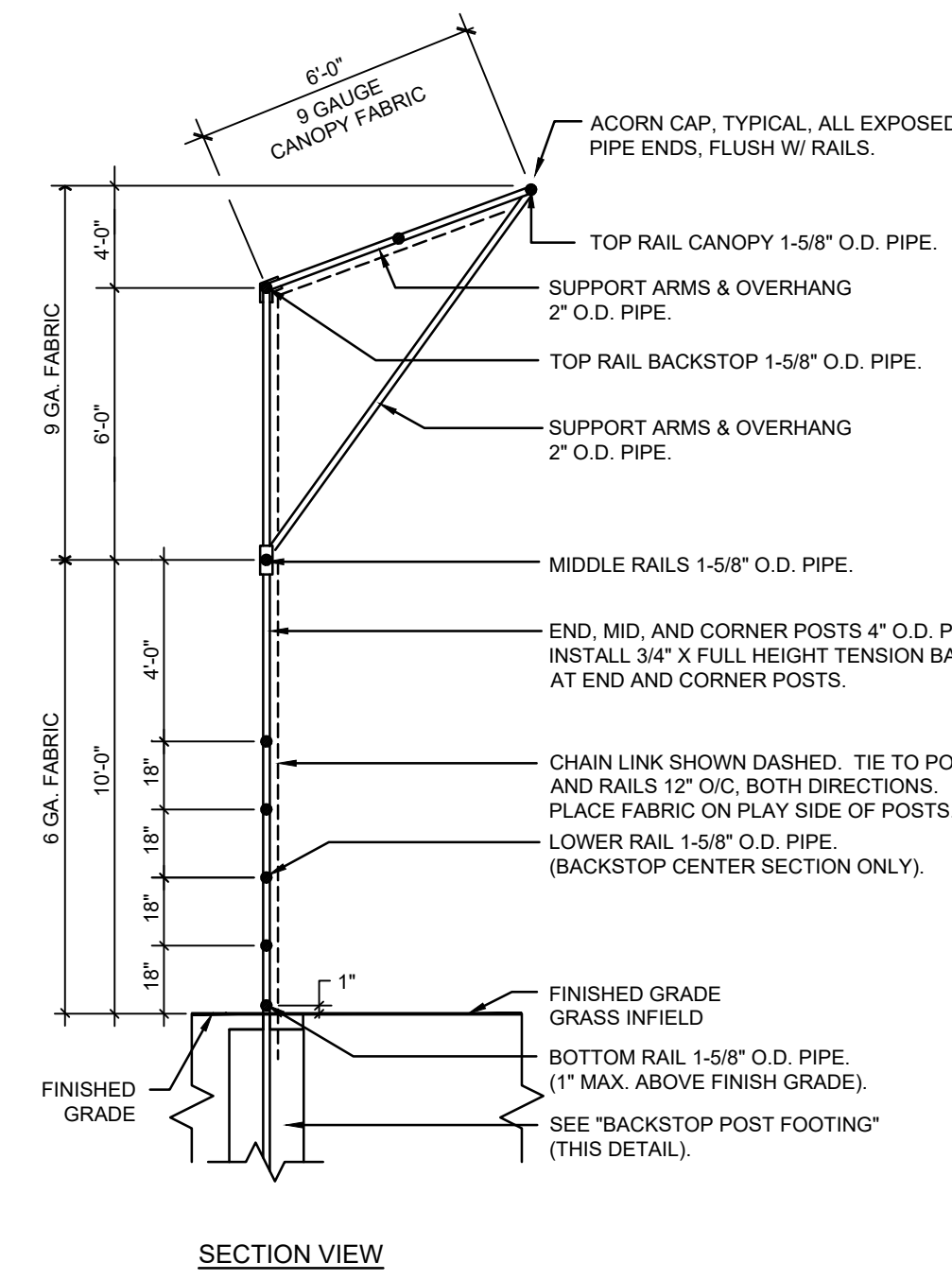


A1 M.I.A.A. SOCCER FIELD LAYOUT

SCALE: 1"=20'

NOTES:

1. PROVIDE OVERLAP AT CANOPY AND BOTTOM OF FABRIC TO COMPLETELY SECURE TO POSTS AND RAILS ALL FABRIC. 2" MIN. NAUCLUE SEWAGE BOTH ENDS.
2. SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL.

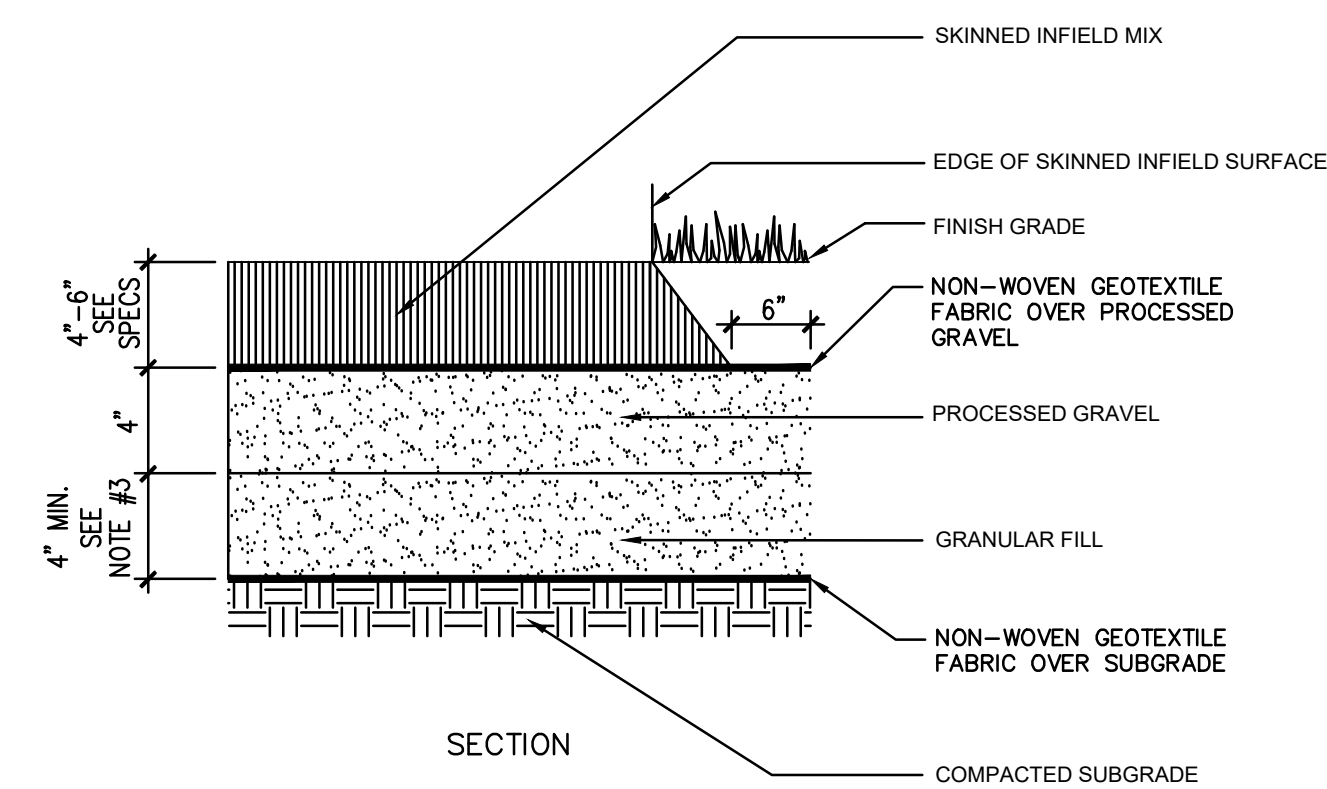


G7 SOFTBALL BACKSTOP WITH CANOPY

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 INFELD 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.

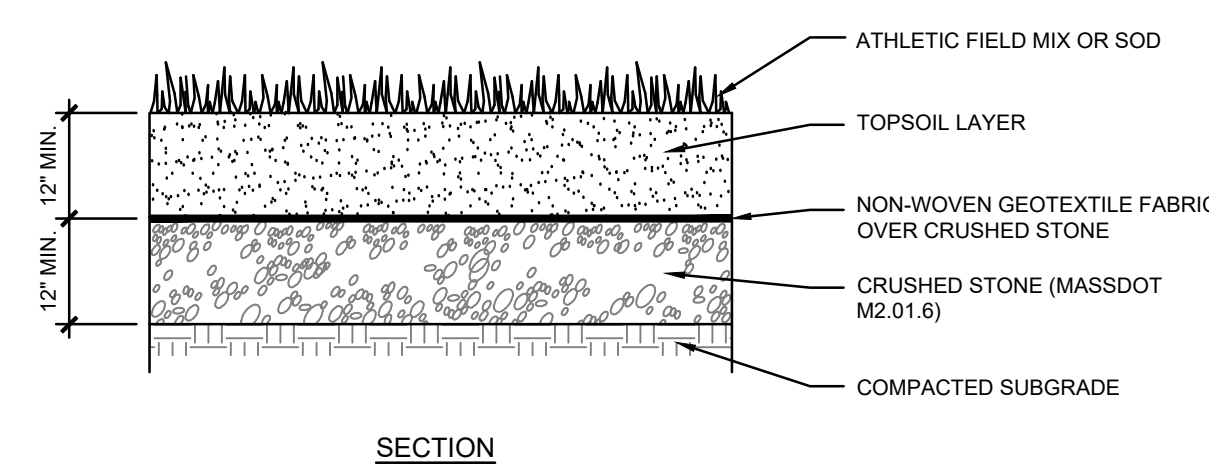


E7 SKINNED INFELD SURFACING

N.T.S.

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.
4. INSTALL MATERIALS AS PER SPECIFICATIONS.

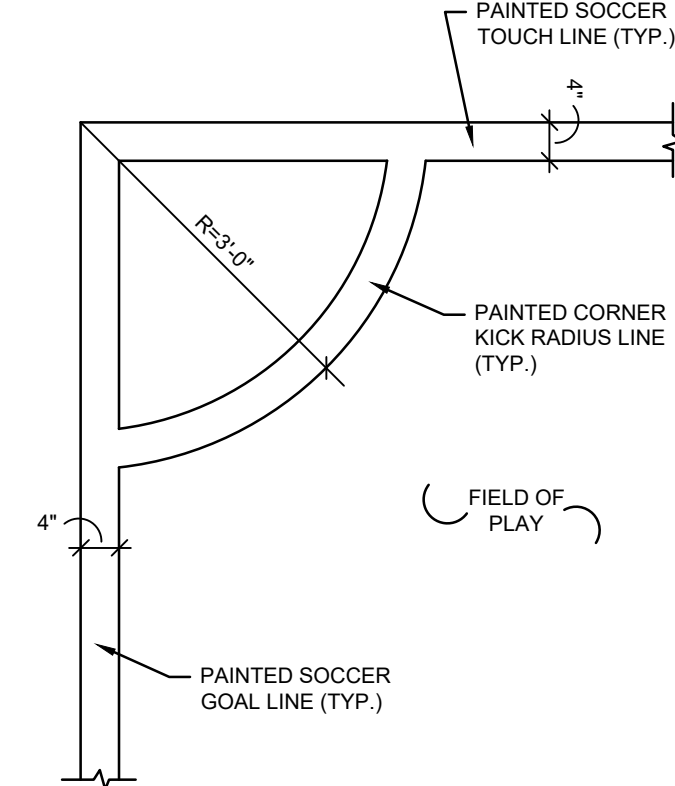


C7 TYPICAL ATHLETIC FIELD CROSS SECTION

N.T.S.

NOTES:

1. LAYOUT AND DIMENSIONS SHALL CONFORM TO M.I.A.A. STANDARDS.
2. ALL SOCCER LINES SHALL BE 4" WIDE AND YELLOW UNLESS OTHERWISE NOTED.



A7 SOCCER CORNER KICK DETAIL

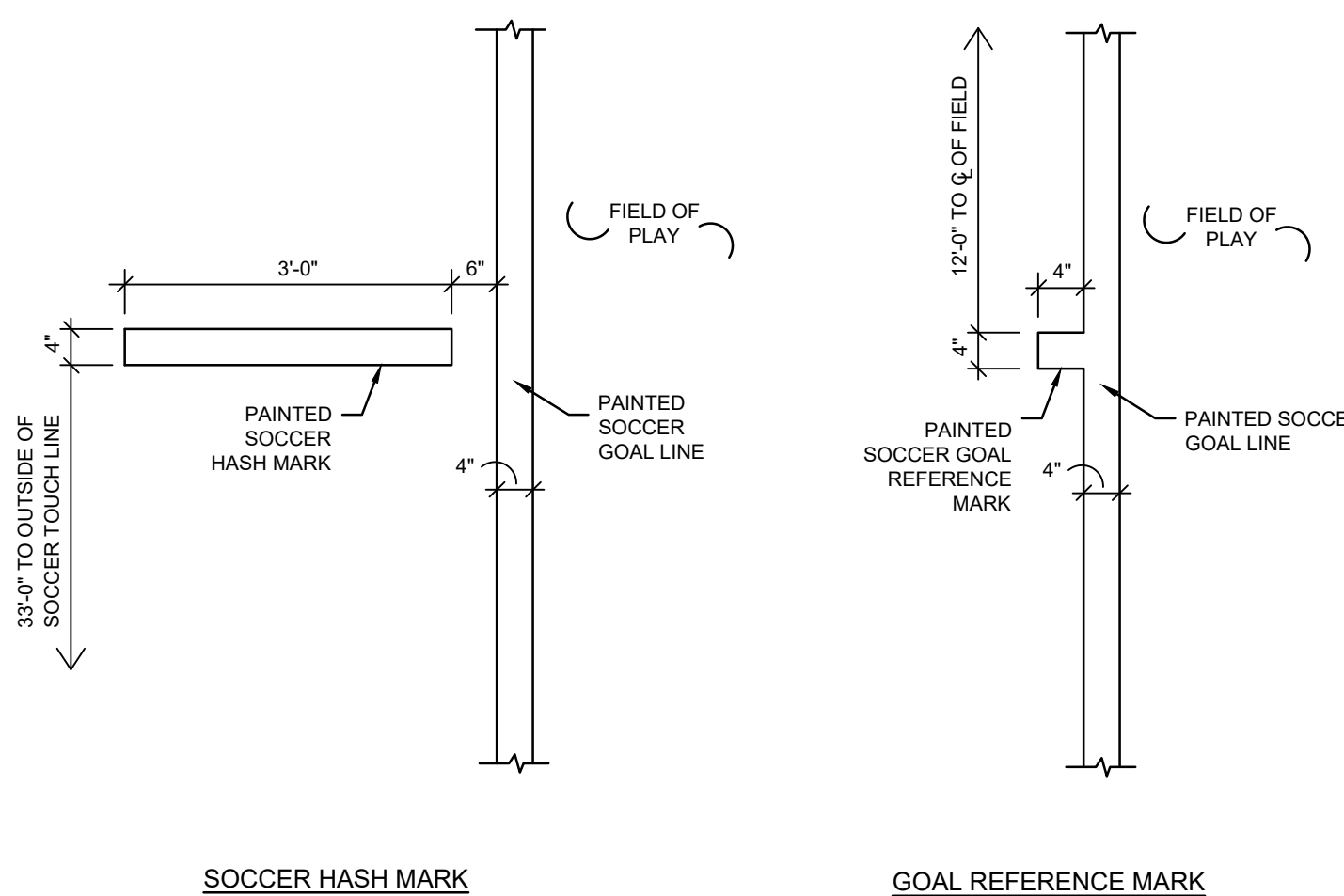
N.T.S.

C9 PLAYER BENCH INSTALLATION

N.T.S.

NOTES:

1. LAYOUT AND DIMENSIONS SHALL CONFORM TO M.I.A.A. STANDARDS.
2. ALL SOCCER LINES SHALL BE 4" WIDE AND YELLOW UNLESS OTHERWISE NOTED.



A9 SOCCER FIELD MARKS

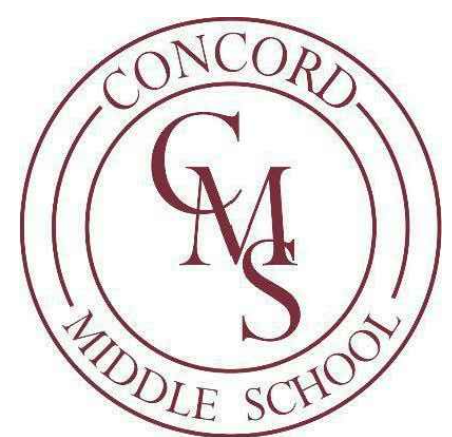
N.T.S.

SMMA

SMMA
1000 Massachusetts Avenue
Cambridge, MA 02138
P: 617.547.5400 F: 800.648.4820

EWING
COLE

Ewing Cole
Federal Reserve Bank Building
100 North 6th Street
Philadelphia, PA 19106-1500
P: 215.923.2020 F: 215.574.0952
(8 3 U R M H F W 1 R)



Concord Middle School
835 Old Marlboro Road
Concord, MA 01742

06/27/2022	SD ESTIMATE SET
09/06/2021	SD ESTIMATE SET
MARK DATE:	DESCRIPTION:
ISSUE LOG	
△ = CLOUD CHANGE	

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SCALE	N.T.S.
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CHECK BY	MLD
PROJ. ARCH. ENGR.	MR/MG
PROJ. MGR.	KWO
JOB NO.	19153.00
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DETAILS VIII

C-508



835 OLD MARLBORO ROAD,
CONCORD, MA 01742

10/03/2021	SD ESTIMATE
DATE:	DESCRIPTION:

QUE LOG

= CLOUDED CHANGE

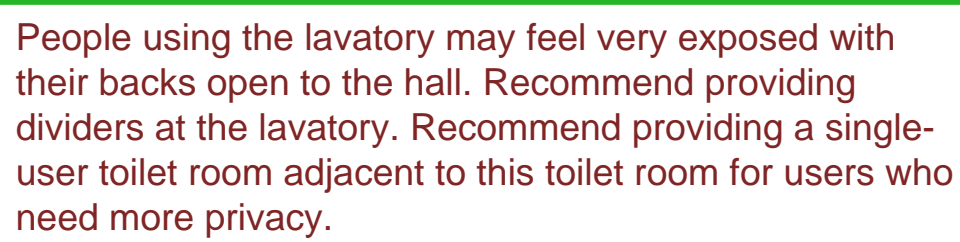
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QUANTITY/ENGR.	_____
QUANTITY/MRG.	_____
SHEET NO.	_____

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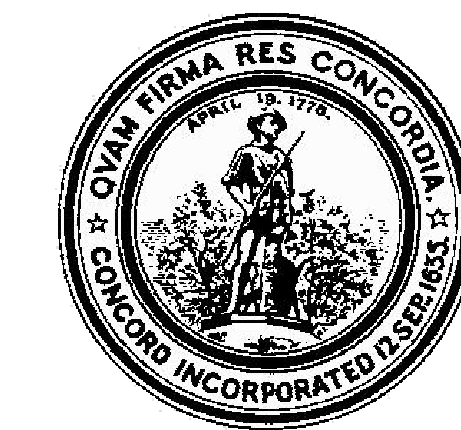
A-100



1. TYPICAL CLASSROOM CASE WORK: CLASSROOM/STORAGE CASE WORK ASSEMBLY: 6" FLOOR INP R TALL STORAGE CABINET 15' CLOUT ROUNDS IN EACH CLASSROOM ROOM (70 TOTAL) 8" FLOOR INLET SPILL	4. TYPICAL ACQUISITION CASE WORK: GYMNASIUM 24" X 48" PATTERN PAINTED PANELS 30' 0" TOTAL PER ROOM MUSICAL: 24" X 48" FABRIC WRAPPED PANELS 30' 0" TOTAL PER ROOM CLASSROOMS: CLASSROOM 24" X 48" FABRIC WRAPPED PANELS 30' 0" TOTAL PER ROOM
2. TYPICAL TOWN COMMONS CASE WORK ASSEMBLY: 27" COUNTER HUB BASE CABINETS, SINK FOR HAND WASHING AND GENERAL CLEAN UP	5. TYPICAL MLL/WORK: DISPLAY WALL CABINETS (ALL) (H+D), WRAPPED PANELS THROUGHOUT THE BUILDING. RECEPTION/RECEPTIONIST CASES AT LOBBY, VENDOR ENTRY, ARTS ROOMS (BOTH ROOMS) AND MEDIA CENTER ENTRY BUILT IN KITCHEN AT CATERING AND MEDIA CENTER CIRCULATION DESK AT MEDIA CENTER CLOUTER IN RECEPTION AT ADMINISTRATION
3. TYPICAL SCIENCE LAB CASE WORK ASSEMBLY: 32" EPOXY COUNTER WITH BASE AND UPPER CABINETS, 8 SINKS PER ROOM CLASS INLET R TALL STORAGE CABINET	6. ALL SOUTH FACING WINDOWS TO RECEIVE 18" PWT ALUM LIGHTS
3. WINDOW CASINGS SHALL BE PAINTED MDO.	

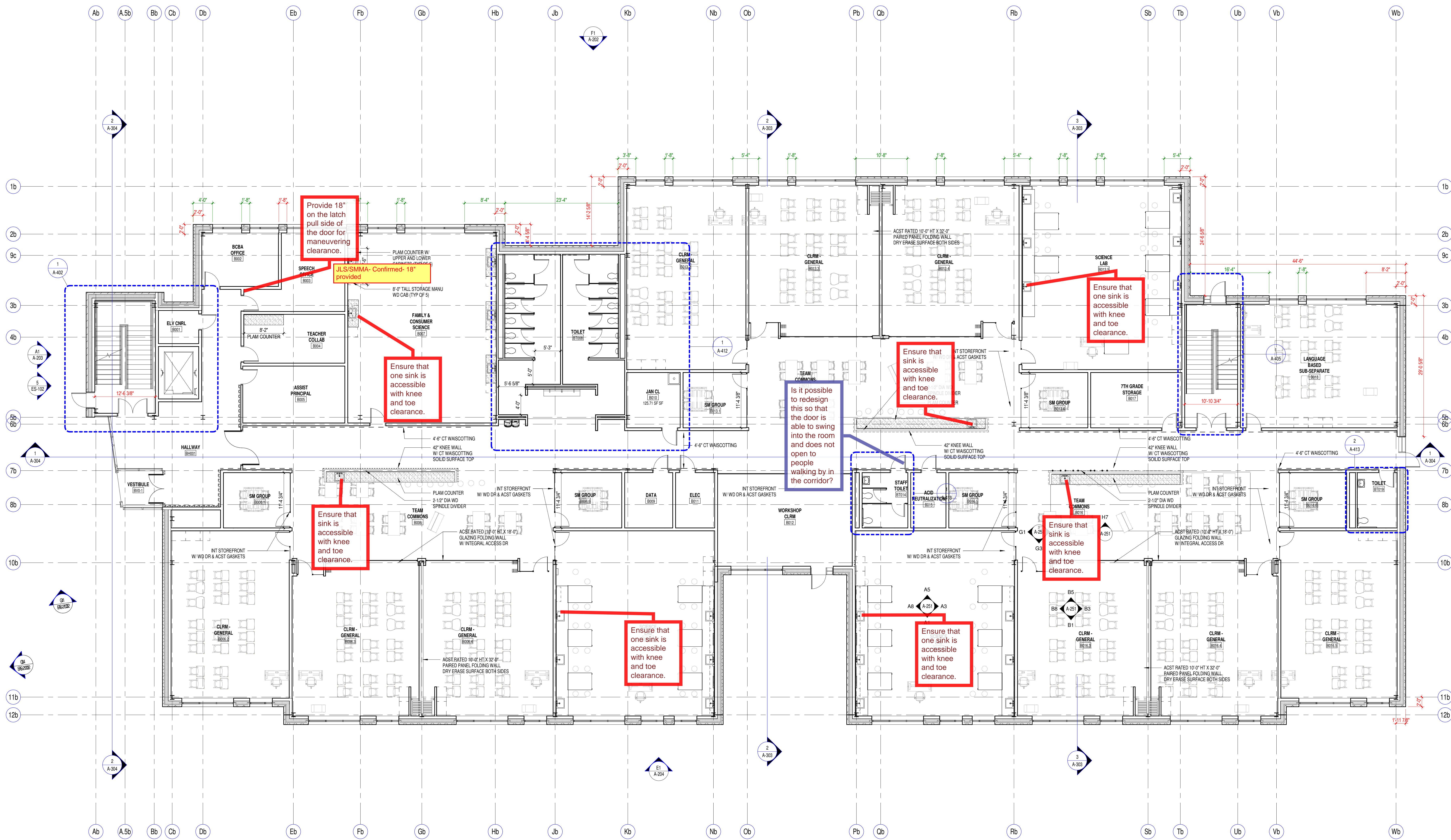


REFERENCE PLAN - LOWER LEVEL
SCALE: 3/64" = 1'-0"



GENERAL NOTES

- TYPICAL CLASSROOM CASE WORK:
 - CLASSROOM INSTRUCTION AREA ASSEMBLY:
 - 8'-0" LINEAR 8'-0" TALL STORAGE CABINET
 - 15 CLOSET DOORS IN EACH ACADEMIC ROOM (700 TOTAL)
 - 8'-0" LINEAR SHELF
 - TYPICAL TEAM COMMONS CASE WORK ASSEMBLY:
 - 27'-0" COUNTER W/ BASE CABINETS, SINK FOR HAND WASHING AND GENERAL CLEAN UP
 - TYPICAL SCIENCE LAB CASE WORK ASSEMBLY:
 - 82'-0" EPOXY COUNTER W/ BASE AND UPPER CABINETS, 6 SINKS PER ROOM
 - 6'-0" LINEAR 8'-0" TALL STORAGE CABINET
- WINDOW SILLS - SOLID SURFACE AT ALL WINDOW, CURTAIN WALL AND STOREFRONT LOCATIONS
- WINDOW CASINGS SHALL BE PAINTED MDF.
- TYPICAL ACOUSTICAL TREATMENTS
 - GYMNASIUM - 2'-4" TECTUM PANELS, PAINTED 5,000 SF TOTAL
 - MUSIC ROOMS - 2'-4" FABRIC WRAPPED PANELS 300 SF TOTAL PER ROOM
 - CLASSROOM SCIENCE LABS - 2'-4" FABRIC WRAPPED PANELS 50 SF TOTAL PER ROOM
- TYPICAL MILLWORK:
 - DESIGN WALL CABINETS 4'-0" H x 1'-0" D, FIFTEEN CABINETS
 - THROUGHOUT THE BUILDING
 - CUSTOM GLAZED DISPLAY CASES AT LOBBY, GYM ENTRY, ART ROOMS (BOTH FLOORS) AND MEDIA CENTER ENTRY
 - BUILT IN BENCHES AT CAFETERIA AND MEDIA CENTER
 - CIRCULATION DESK AT MEDIA CENTER
 - RECEPTION DESK AT ADMIN AREA
- ALL SOUTH FACING WINDOWS TO RECEIVE 18" PINT ALUM LIGHTS

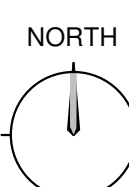


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△		CHANGED CHANGE

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DRAWN BY	MS
CHECK BY	WJS
PROJECT ARCH/ENGR.	
PROJ. MGR.	
JOB NO.	19153
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LOWER LEVEL PLAN -
PART B

B	C	E
A	D	F



A-100b

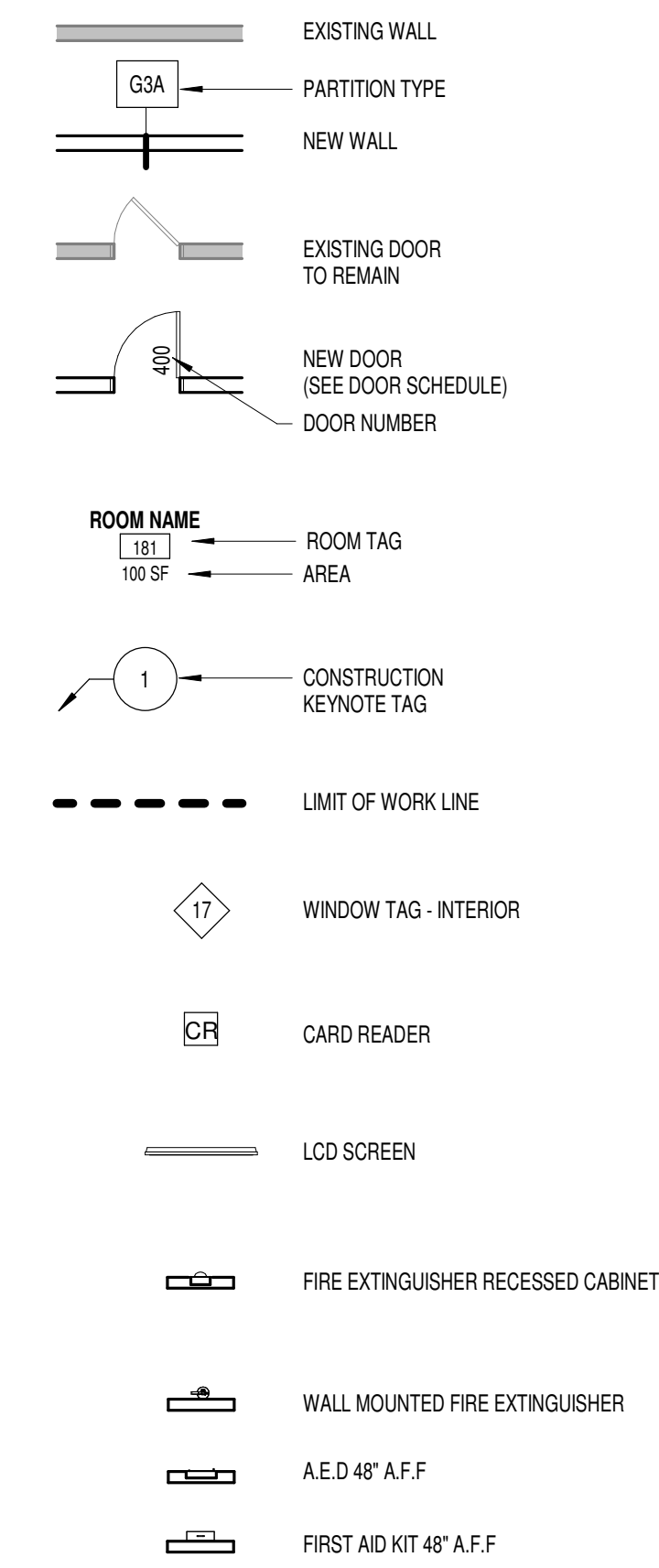
KEY PLAN

B1 LOWER LEVEL - PART B
SCALE: 1/8" = 1'-0"

CONSTRUCTION SHEET NOTES

CONSTRUCTION SYMBOLS LEGEND

Sheet Notes - Construction Plans	
Num	Note
1	NOT USED
2	NOT USED



GENERAL NOTES

- TYPICAL CLASSROOM CASE WORK:
CLASSROOM/INSTRUCTION AREA ASSEMBLY:
8'-0" LINEAR 8'-0" TALL STORAGE CABINET
15 COAT HOOKS IN EACH ACADEMIC ROOM (70 TOTAL)
6'-0" LINEAR SHELF
- TYPICAL TEAM COMMONS CASE WORK ASSEMBLY:
27'-0" COUNTER W/ BASE CABINETS, SINK FOR HAND WASHING AND GENERAL CLEAN UP
- TYPICAL SCIENCE LAB CASE WORK ASSEMBLY:
52'-0" EPOXY COUNTER W/ BASE AND UPPER CABINETS, 6 SINKS PER ROOM
6'-0" LINEAR 8'-0" TALL STORAGE CABINET
- WINDOW SILLS - SOLID SURFACE AT ALL WINDOW, CURTAIN WALL AND STOREFRONT LOCATIONS
- WINDOW CASINGS SHALL BE PAINTED MDF.
- TYPICAL ACoustICAL TREATMENTS
GYMNASIUM - 2 x 4 TECTUM PANELS PAINTED 5,000 SF TOTAL
MUSIC ROOMS - 2 x 4 FABRIC WRAPPED PANELS 300 SF TOTAL PER ROOM
CLASSROOM/SCIENCE LABS - 2 x 4 FABRIC WRAPPED PANELS 50 SF TOTAL PER ROOM
- TYPICAL MILLWORK:
OBSERVATION WALL CABINETS 41(L)x27(H)x4(D), FIFTEEN CABINETS THROUGHOUT THE BUILDING
CUSTOM GLAZED DISPLAY CASES AT LOBBY, GYM ENTRY, ART ROOMS (BOTH FLOORS) AND MEDIA CENTER ENTRY
BUILT IN SHELVES AT CAFETERIA AND MEDIA CENTER
CIRCULATION DESK AT MEDIA AREA
RECEPTION DESK AT ADMIN AREA
- ALL SOUTH FACING WINDOWS TO RECEIVE 1/8" PNT ALUM. LIGHTS

CONSTRUCTION PLAN GENERAL NOTES

- ALL WORK SHALL COMPLY WITH FEDERAL, STATE, AND LOCAL BUILDING CODES AND REGULATIONS.
- OBTAIN AND PAY FOR PERMITS AND INSPECTIONS REQUIRED BY PUBLIC AUTHORITIES GOVERNING THE WORK.
- ANY CONFLICTS BETWEEN SITE CONDITIONS AND DRAWINGS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT/DESIGNER.
- THE CONTRACT DOCUMENTS ARE COMPLEMENTARY TO EACH OTHER. WHAT IS REQUIRED FOR ONE DRAWING SHALL BE AS BINDING AS IF REQUIRED FOR ALL.
- ALL PENETRATIONS ARE TO BE SEALED TO MAINTAIN FIRE-RATING AND ACOUSTICAL RATING.
- ALL GWB PARTITIONS ARE TO BE TYPE _____ U.O.N.
- REVIEW LAYOUTS FOR PARTITIONS IN FIELD WITH ARCHITECT/DESIGNER PRIOR TO START OF CONSTRUCTION.
- PENETRATIONS IN GYPSUM BOARD CONSTRUCTION ABOVE FINISHED CEILING SHALL BE EFFECTIVELY SEALED TO PREVENT SOUND LEAKAGE AT ACOUSTICAL PARTITIONS AND AT DEMISING PARTITIONS, U.O.N.
- NEW PARTITIONS SHALL BE PLUMB, SQUARE, STRAIGHT, AND PARALLEL OR PERPENDICULAR TO THE CORE, UNLESS OTHERWISE NOTED.
- FOR DRYWALL FINISHING, THE CONTRACTOR SHALL COMPLY WITH MANUFACTURER'S PRINTED INSTRUCTIONS AND SPECIFICATIONS. EXCEPTION: COMPLY WITH MORE STRINGENT REQUIREMENTS OF GYPSUM ASSOCIATION GA-16 RECOMMENDED SPECIFICATION FOR THE APPLICATION AND FINISHING OF GYPSUM BOARD.
- PROVIDE VERTICAL CONTROL JOINTS IN GWB EVERY 30'-0". VERIFY LOCATION WITH ARCHITECT U.O.N.
- PARTITIONS ARE DIMENSIONED FROM FINISH FACE TO FINISH FACE, UNLESS OTHERWISE NOTED. MAINTAIN DIMENSIONS MARKED "CLEAR" OR "HOLD". ALLOW FOR THICKNESS OF FINISHES.
- PRIOR TO CLOSING ANY WALLS OR CEILINGS, ALL SYSTEMS (HVAC, PLUMBING, ELECTRICAL) SHALL BE INSPECTED, AND WHERE REQUIRED, TESTING BY CONTRACTOR ENGINEERS AND BY PROPER AUTHORITIES HAVING JURISDICTION TO INSURE THEIR PROPER INSTALLATION AND FUNCTION.
- THE ARCHITECT RESERVES THE RIGHT TO MOVE ANY FIXTURE, RECEPTACLE OR BUILT-IN OBJECT UP UNTIL THE TIME HE/SHE SHALL APPROVE THE WALLS OR CEILINGS TO BE CLOSED. THIS APPROVAL SHALL TAKE PLACE PRIOR TO THE INSPECTOR'S APPROVAL, SO AS NOT TO CONFLICT WITH ANY BUILDING OFFICIALS' DECISIONS.
- PROVIDE FIRE EXTINGUISHERS (WITH RECESSED CABINETS) IN QUANTITIES AND LOCATIONS ON DIVGS (MIN. 1,600 SQ. FT. & 75 MAX TRAVEL DISTANCE), REVIEW FINAL LOCATIONS WITH THE ARCHITECT/DESIGNER PRIOR TO START OF CONSTRUCTION.
- THE CONTRACTOR SHALL PROVIDE AND COORDINATE PLACEMENT OF FIRE RATED BLOCKING AT ALL LOCATIONS OF MILLWORK, SHELVES OR OTHER ITEMS INDICATED TO BE MOUNTED TO WALLS OR CEILINGS THROUGHOUT LIMIT OF WORK, PRIOR TO CLOSING WALLS U.O.N.
- ALIGN CENTERLINES OF ALL FIRE EXTINGUISHER CABINETS AND M.E.P. PP DEVICES ON WALLS IN THE SAME LOCATIONS.
- COORDINATE ALL CARD READER LOCATIONS AND HARDWARE WITH SECURITY CONSULTANT.
- COORDINATE ALL AV EQUIPMENT LOCATIONS WITH AV CONSULTANT.
- MAINTAIN EXITS, EXIT LIGHTING, FIRE PROTECTIVE DEVICES AND ALARMS IN CONFORMANCE WITH CODES AND ORDINANCES DURING CONSTRUCTION.
- PROTECT AREA OF WORK AND ADJACENT AREAS FROM DAMAGE DURING CONSTRUCTION.
- MAINTAIN WORK AREAS SECURE AND LOCKABLE DURING CONSTRUCTION. COORDINATE WITH TENANT AND LANDLORD TO ENSURE SECURITY.
- DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GOVERN. IN CASE OF CONFLICT, CONSULT THE ARCHITECT.
- ALL DOOR OPENINGS TO BE NO LESS THAN 6" FROM NEAREST PERPENDICULAR PARTITION, U.O.N.
- UNDERCUT DOORS TO CLEAR TOP OF FLOOR FINISHES BY 1/4", UNLESS OTHERWISE NOTED.
- TEMPERED GLASS TO BE USED IN ALL LOCATIONS AS REQUIRED BY CODE.
- FOR BUILT-IN WORK SURROUNDED BY PARTITIONS, INCLUDED BUT NOT LIMITED TO HIGH DENSITY FILING AREAS, APPLIANCES AND FILE ENCLOSURES, CONTRACTOR SHALL CONFIRM THAT FLOOR SLAB DOES NOT VARY BY MORE THAN 1/4" IN 20'-0" NON-CUMULATIVE. NOTIFY ARCHITECT IF THIS TOLERANCE IS EXCEEDED.

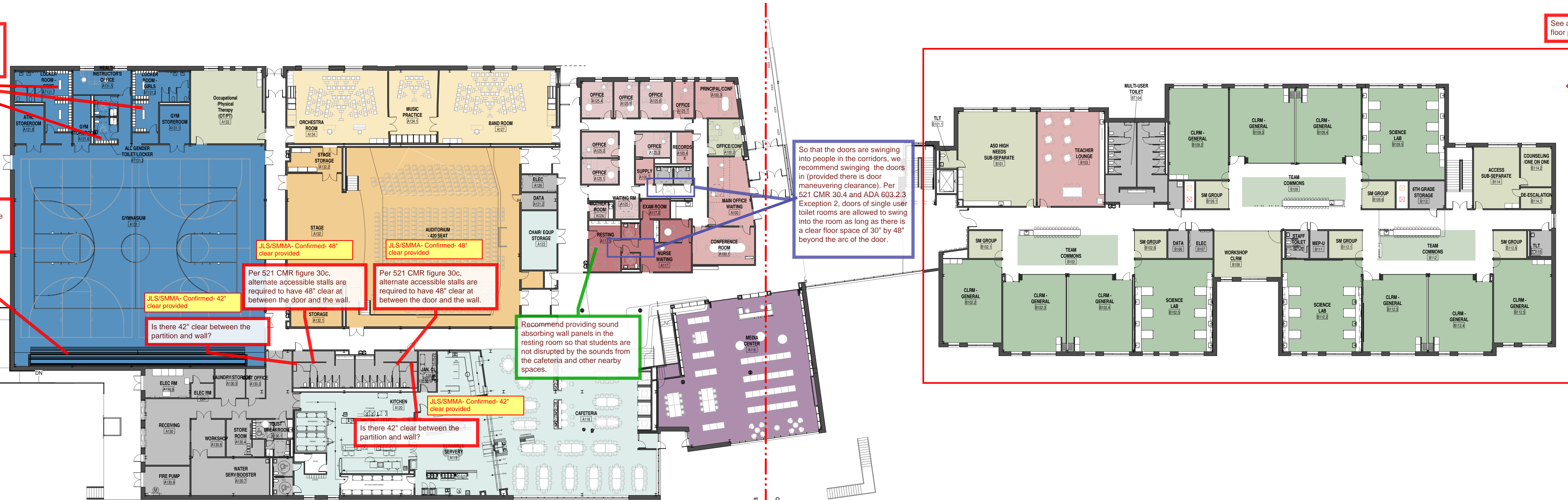
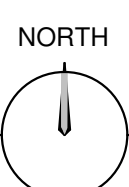


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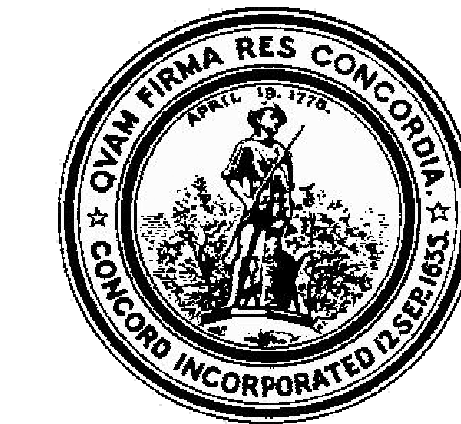
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CHECK BY	WJS
PROJ. ARCH. ENGR.	
PROJ. MGR.	
JOB NO.	19153
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REFERENCE PLAN -
GROUND LEVEL

B	C	E
A	D	F



1 REFERENCE PLAN - GROUND FLOOR
SCALE: 1/16" = 1'-0"

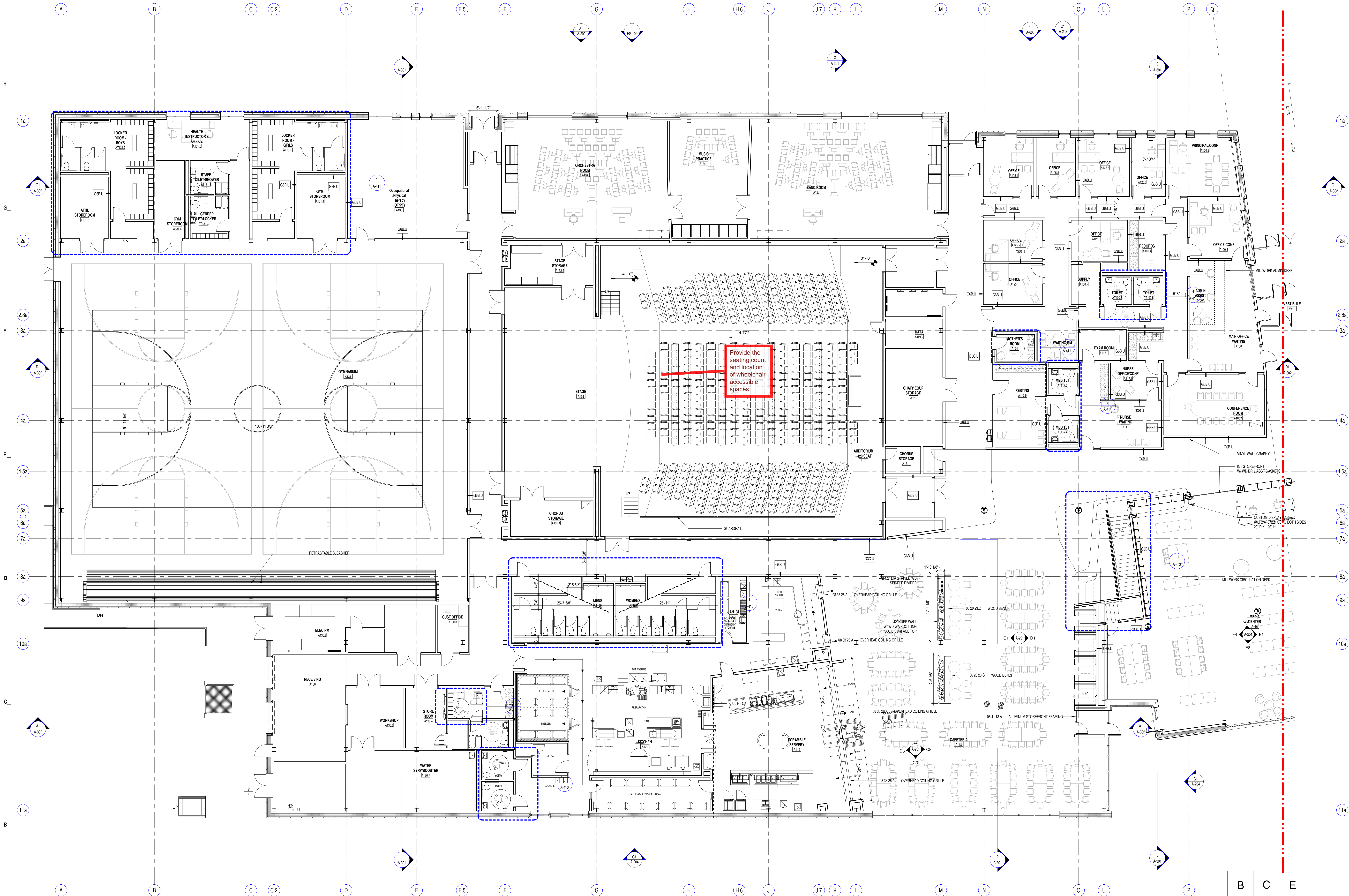


CONCORD MIDDLE SCHOOL
835 OLD MARLBORO ROAD,
CONCORD, MA 01742

GENERAL NOTES

1. TYPICAL CLASSROOM CASE WORK:
CLASSROOM INSTRUCTION AREA ASSEMBLY:
8'-0" LINEAR 8'-0" TALL STORAGE CABINET
15 COAT HOOKS IN EACH ACADEMIC ROOM (700 TOTAL)
8'-0" LINEAR SHELF
2. TYPICAL TEAM COMMONS CASE WORK ASSEMBLY:
22'-0" COUNTER W/ BASE CABINETS, SINK FOR HAND WASHING AND GENERAL CLEAN UP
3. TYPICAL SCIENCE LAB CASE WORK ASSEMBLY:
32'-0" EPXY COUNTER W/ BASE AND UPPER CABINETS, 6 SINKS PER ROOM
6'-0" LINEAR 8'-0" TALL STORAGE CABINET
4. TYPICAL ACQUISITION TREATMENTS
GYMNASIUM: 2 x 4 TESTUM PANELS, PAINTED 5,000 SF TOTAL
MUSIC ROOMS: 2 x 4 FABRIC WRAPPED PANELS 300 SF TOTAL PER ROOM
CLASSROOM MUSIC ROOMS: 2 x 4 FABRIC WRAPPED PANELS 50 SF TOTAL PER ROOM
5. TYPICAL MILLWORK:
DISPLAY WALL CABINETS (11x11x14x10), FIFTEEN CABINETS THROUGHOUT THE BUILDING
CUSTOM GLAZED DISPLAY CASES AT LOBBY, GYM ENTRY, ART ROOMS (BOTH FLOORS) AND MEDIA CENTER ENTRY
BUILT-IN BENCHES AT CAFETERIA AND MEDIA CENTER
CIRCULATION DESK AT MEDIA CENTER
RECEPTION DESK AT ADMIN AREA
6. ALL SOUTH FACING WINDOWS TO RECEIVE 1/8" PINT ALUM LIGHTS

3. WINDOW CASINGS SHALL BE PAINTED MDF.

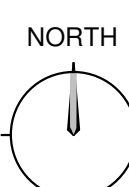


1	10/08/2021	SD ESTIMATE
MARK:	DATE:	DESCRIPTION:
ISSUE LOG		
△		CHANGED CHANGE

SCALE	As indicated
DRAWN BY	NS
CHECK BY	WJS
PROJ. ARCH. ENGR.	
PROJ. MGR.	
JOB NO.	19153
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GROUND FLOOR PLAN - PART A

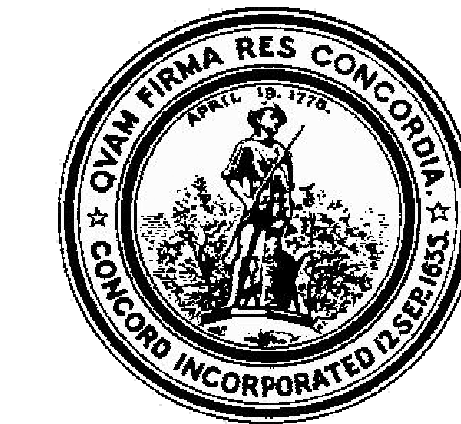
B	C	E
A	D	F



A-101a

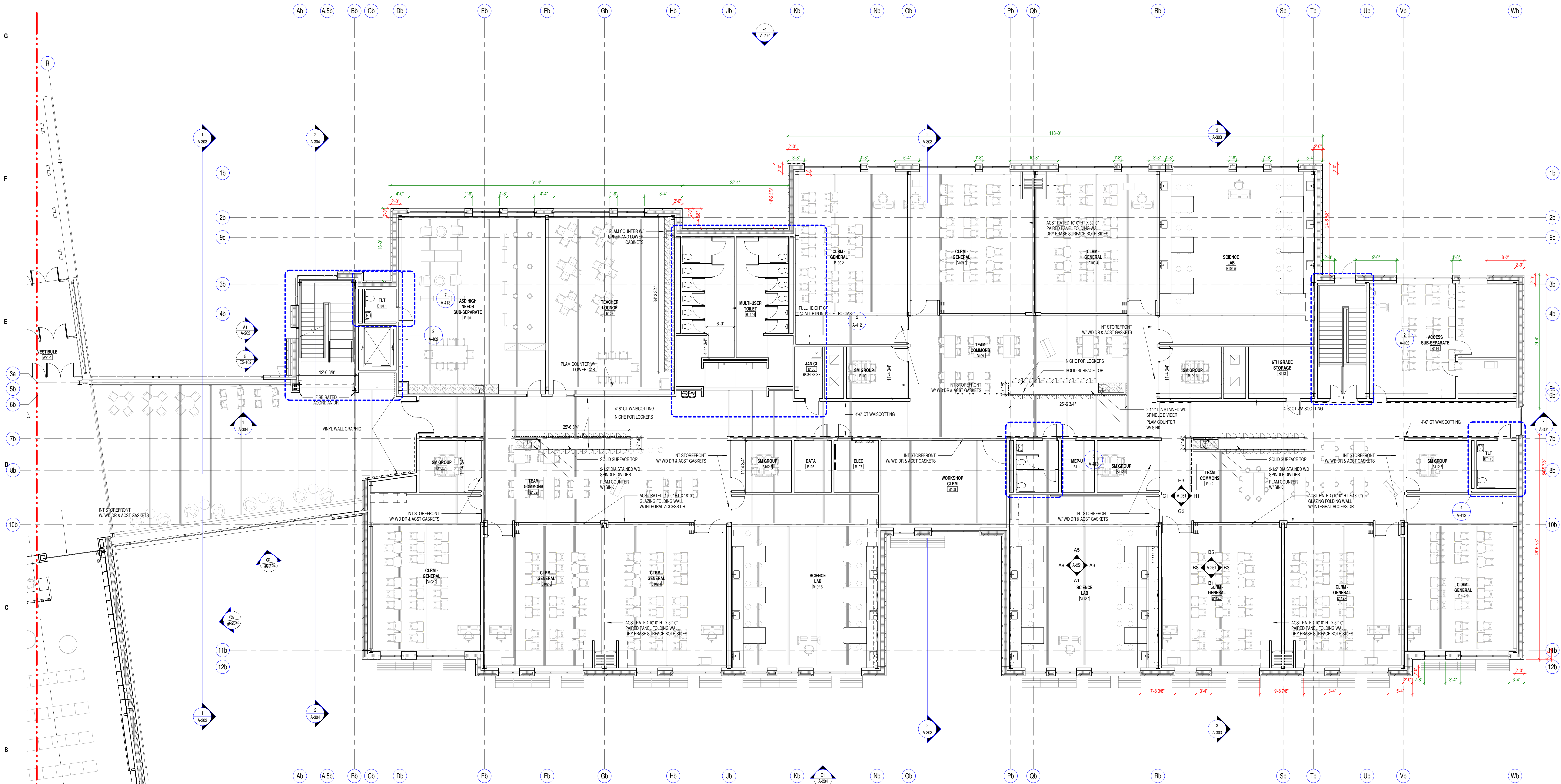
KEY PLAN

A1 GROUND FLOOR - PART A
SCALE: 1/8" = 1'-0"



GENERAL NOTES

- TYPICAL CLASSROOM CASE WORK:
 - CLASSROOM INSTRUCTION AREA ASSEMBLY:
 - 8'-0" LINEAR 8'-0" TALL STORAGE CABINET
 - 15 CONT. DOORS IN EACH CLASSROOM ROOM (700 TOTAL)
 - 8'-0" LINEAR SHELF
 - TYPICAL TEAM COMMONS CASE WORK ASSEMBLY:
 - 27'-0" COUNTER W/ BASE CABINETS, SINK FOR HAND WASHING AND GENERAL CLEAN UP
 - 27'-0" COUNTER W/ BASE CABINETS, SINK FOR HAND WASHING AND GENERAL CLEAN UP
 - TYPICAL SCIENCE LAB CASE WORK ASSEMBLY:
 - 52'-0" EPOXY COUNTER W/ BASE AND UPPER CABINETS, 6 SINKS PER ROOM
 - 8'-0" LINEAR 8'-0" TALL STORAGE CABINET
- WINDOW SILLS - SOLID SURFACE AT ALL WINDOW, CURTAIN WALL AND STOREFRONT LOCATIONS
- WINDOW CASINGS SHALL BE PAINTED MDF.
- TYPICAL ACoustical TREATMENTS:
 - GYMNASIUM - 2' x 4' TECTUM PANELS, PAINTED 5,000 SF TOTAL
 - MUSIC ROOMS - 2' x 4' FABRIC WRAPPED PANELS 300 SF TOTAL PER ROOM
 - CLASSROOMS/SCIENCE LABS - 2' x 4' FABRIC WRAPPED PANELS 50 SF TOTAL PER ROOM
- TYPICAL MILLWORK:
 - DISPLAY WALL CABINETS 4' (H) x 10' (D), FIFTEEN CABINETS
 - THROUGHOUT THE BUILDING
 - CUSTOM GLAZED DISPLAY CASES AT LOBBY, GYM ENTRY, ART ROOMS (BOTH FLOORS) AND MEDIA CENTER ENTRY
 - BUILT-IN BENCHES AT CATERING AND MEDIA CENTER
 - CIRCULATION DESK AT MEDIA CENTER
 - RECEPTION DESK AT COMMON AREA
- ALL SOUTH FACING WINDOWS TO RECEIVE 18" PNT ALUM LIGHTS



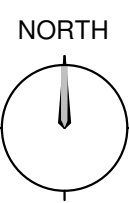
1	10/08/2021	SD ESTIMATE
MARK	DATE	DESCRIPTION
ISSUE LOG		
△		CHANGED CHANGE

SCALE	As indicated
DRAWN BY	MS
CHECK BY	WJS
PROJ. MGR.	
JOB NO.	19153
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GROUND FLOOR PLAN
- PART B

B	C	E
A	D	F

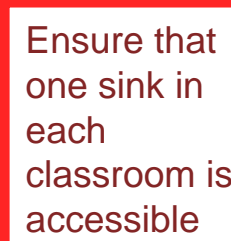
KEY PLAN



A-101b



5 OLD MARLBORO ROAD,
CONCORD, MA 01742



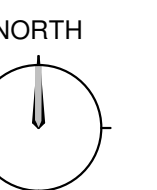
See
comments on
lower level
floor plan.

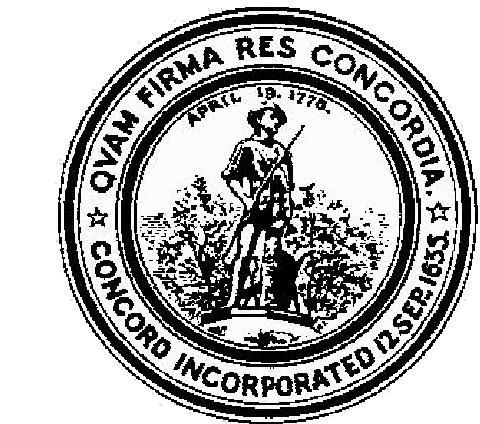
008/2021	SD ESTIMATE
DATE:	DESCRIPTION:
G	
LOUDED CHANGE	

	As indicated
SY	NE
Y	W.S.
CH/ENGR.	
OG.	
	1915

ES, MAINI & MCKEE ASSOCIATES, INC. 2021

A-102





CONCORD MIDDLE SCHOOL
835 OLD MARLBORO ROAD,
CONCORD, MA 01742

GENERAL NOTES

1. TYPICAL CLASSROOM CASE WORK:
 - CLASSROOM INSTRUCTION AREA ASSEMBLY:
 - 6'-0" LINEAR 8'-0" TALL STORAGE CABINET
 - 15 COAT HOOKS IN EACH ACADEMIC ROOM (100 TOTAL)
 - 6'-0" LINEAR SHELF
2. TYPICAL TEAM COMMONS CASE WORK ASSEMBLY:
 - 27'-0" COUNTER W/ BASE CABINETS, SINK FOR HAND WASHING AND GENERAL CLEAN UP
3. TYPICAL SCIENCE LAB CASE WORK ASSEMBLY:
 - 52'-0" EPOXY COUNTER W/ BASE AND UPPER CABINETS, 8 SINKS PER ROOM
 - 6'-0" LINEAR 8'-0" TALL STORAGE CABINET
4. TYPICAL ACoustICAL TREATMENTS:
 - GYMNASIUM: 2'-4" TECTUM PANELS, PAINTED 5,000 SF TOTAL
 - MUSIC ROOMS: 2'-4" FABRIC WRAPPED PANELS 300 SF TOTAL PER ROOM
 - CLASSROOMS: 15 COAT HOOKS IN EACH ACADEMIC ROOM (100 TOTAL) 6'-0" LINEAR SHELF
5. TYPICAL MILLWORK:
 - DISPLAY WALL CABINETS 6'x14 1/2'x11 1/2'x10'. FIFTEEN CABINETS THROUGHOUT THE BUILDING.
 - CUSTOM GLAZED DISPLAY CASES AT LOBBY, GYM ENTRY, ART ROOMS (BOTH FLOORS) AND MEDIA CENTER ENTRY.
 - BUILT-IN BENCHES AT CAFETERIA AND MEDIA CENTER
 - CIRCULATION DESK AT MEDIA CENTER
 - RECEPTION DESK AT ADMIN AREA
6. ALL SOUTH-FACING WINDOWS TO RECEIVE 16" PNT ALUM LIGHTS

3. WINDOW CASINGS SHALL BE PAINTED MDF.

J

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J.7

K

L

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U

P

Q

1a

2a

2.8a

3a

4a

4.5a

5a

6a

7a

8a

9a

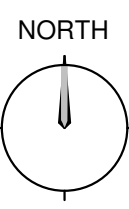
10a

11a

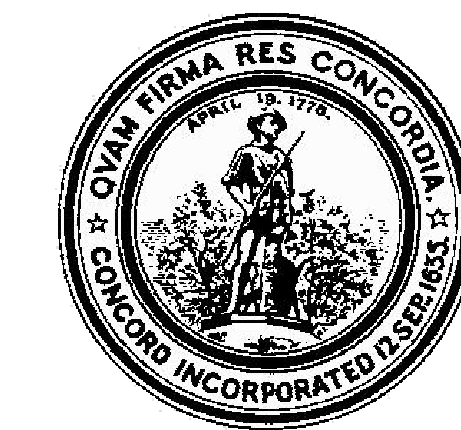
Q

A1 UPPER LEVEL - PART A
SCALE: 1/8" = 1'-0"

KEY PLAN



A-102a



CONCORD MIDDLE
SCHOOL
835 OLD MARLBORO ROAD,
CONCORD, MA 01742

GENERAL NOTES

1. TYPICAL CLASSROOM CASE WORK:
 - CLASSROOM INSTRUCTION AREA ASSEMBLY:
 - 8'-0" LINEAR 8'-0" TALL STORAGE CABINET
 - 15 COM' HOOKS IN EACH ADJACENT ROOM (700 TOTAL)
 - 8'-0" LINEAR SHELF
 - TYPICAL TEAM COMMONS CASE WORK ASSEMBLY:
 - 27'-0" COUNTER W/ BASE CABINETS, SINK FOR HAND WASHING AND GENERAL CLEAN UP
 - TYPICAL SCIENCE LAB CASE WORK ASSEMBLY:
 - 52'-0" EPOXY COUNTER W/ BASE AND UPPER CABINETS, 6 SINKS PER ROOM
 - 8'-0" LINEAR 8'-0" TALL STORAGE CABINET
2. WINDOW SILLS- SOLID SURFACE AT ALL WINDOW, CURTAIN WALL AND STOREFRONT LOCATIONS
3. WINDOW CASINGS SHALL BE PAINTED MDF.
4. TYPICAL ACOUSTICAL TREATMENTS:
 - GYMNASIUM: 2 x 4 TECTUM PANELS, PAINTED 5,000 SF TOTAL
 - MUSIC ROOMS: 2 x 4 FABRIC WRAPPED PANELS 300 SF TOTAL PER ROOM
 - CLASSROOM SCIENCE LABS: 2 x 4 FABRIC WRAPPED PANELS 50 SF TOTAL PER ROOM
5. TYPICAL MILLWORK:
 - DISPLAY WALL CABINETS 41/41X14X10, FIFTEEN CABINETS
 - THROUGHTOUT THE BUILDING
 - CUSTOM GLAZED DISPLAY CASES AT LOBBY, GYM ENTRY, ART ROOMS BOTH FLOORS AND MEDIA CENTER ENTRY
 - BUILT IN BENCHES AT CAFETERIA AND MEDIA CENTER
 - CIRCULATION DESK AT MEDIA CENTER
 - RECEPTION DESK AT ADMIN AREA
6. ALL SOUTH FACING WINDOWS TO RECEIVE 16" PNT ALUM LIGHTS

J

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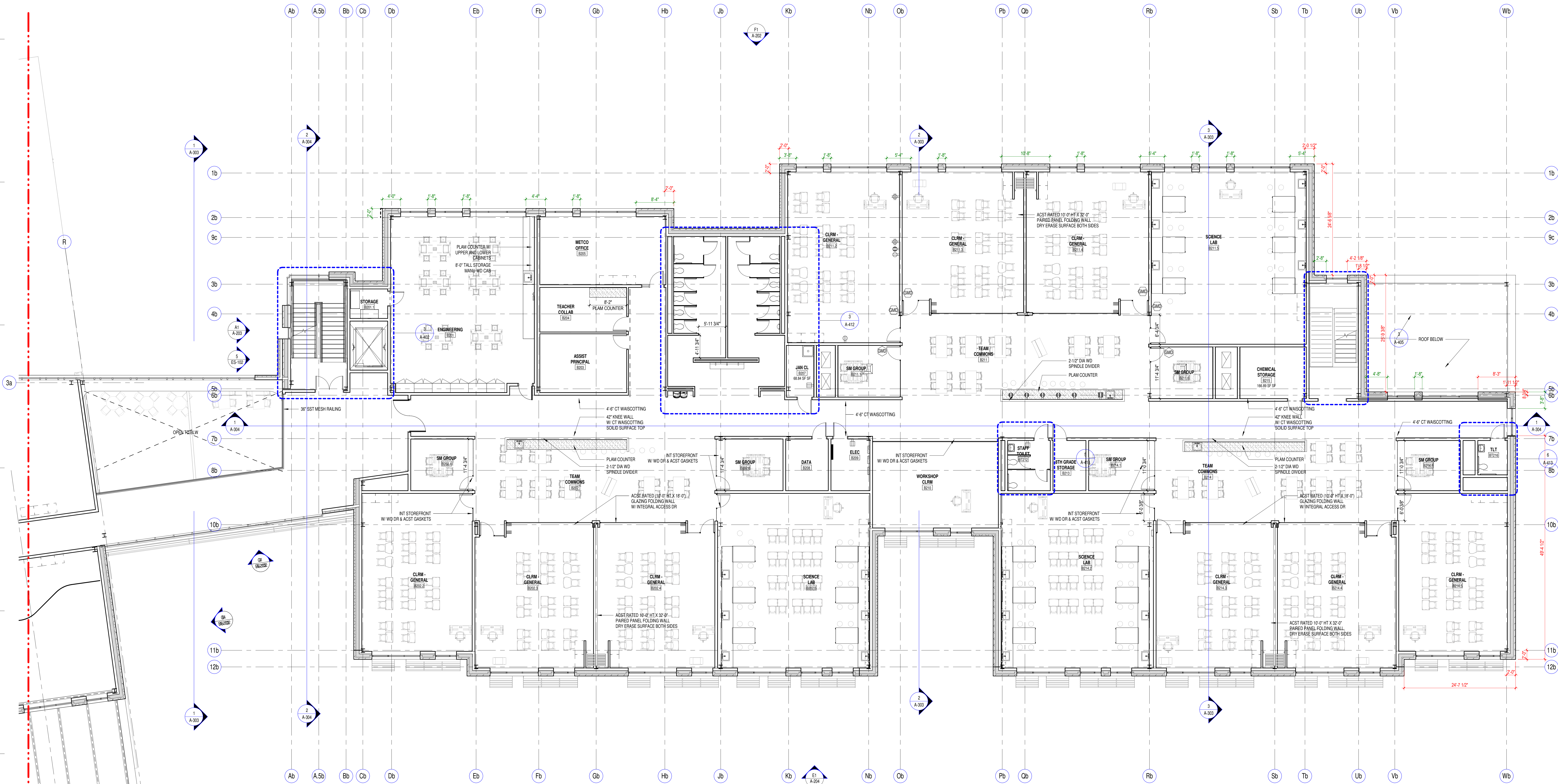
E

D

C

B

A



A1 UPPER LEVEL - PART B
SCALE: 1/8" = 1'-0"

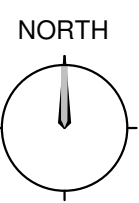
1	10/08/2021	SD ESTIMATE
MARK:	DATE:	DESCRIPTION:
ISSUE LOG		
△		CL - CLOUSED CHANGE

SCALE	As indicated
DRAWN BY	MS
CHECK BY	WJS
PROJ. ARCH. ENGR.	
PROJ. MGR.	
JOB NO.	19153
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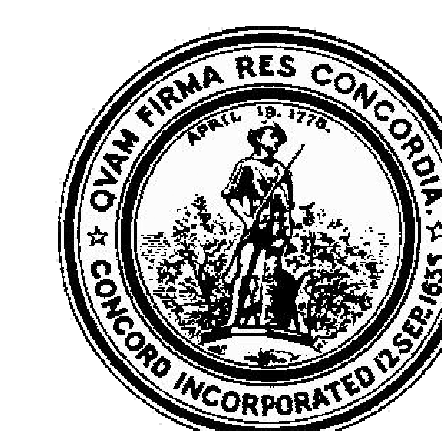
UPPER LEVEL PLAN -
PART B

B	C	E
A	D	F

KEY PLAN

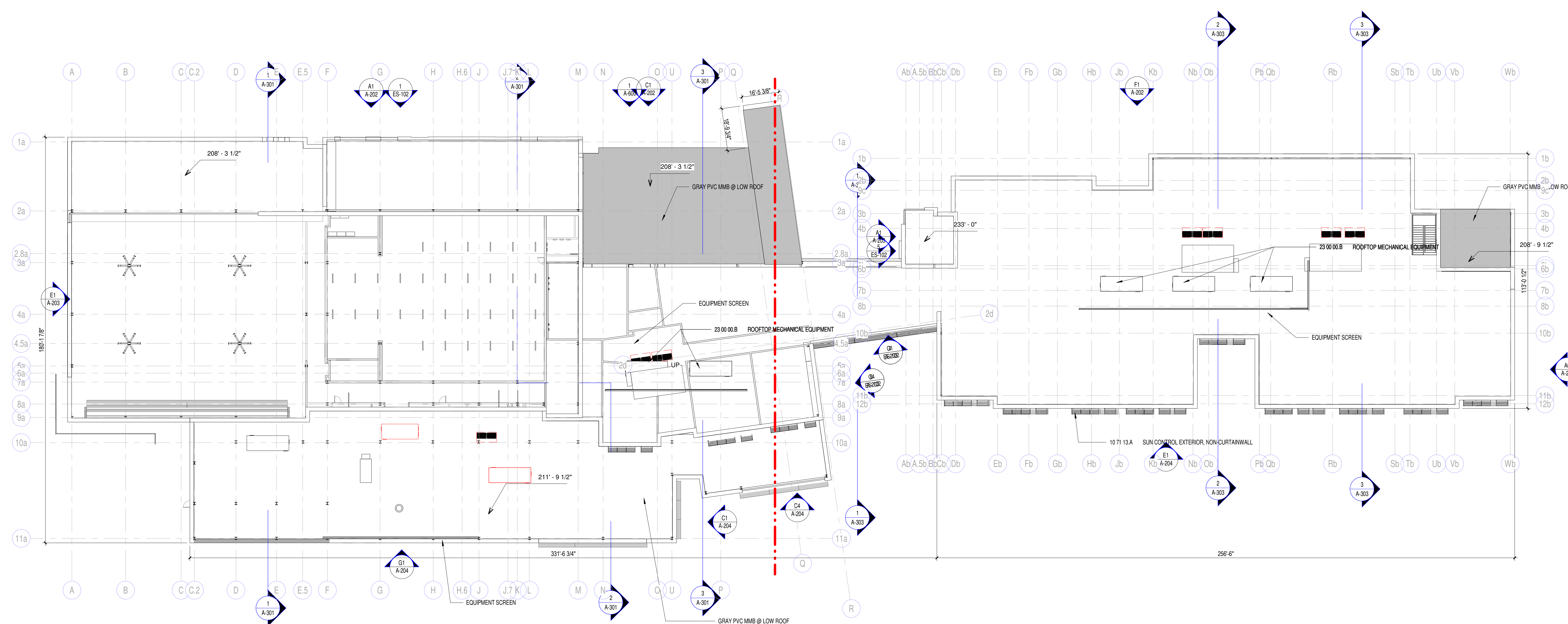


A-102b



CONCORD MIDDLE
SCHOOL

835 OLD MARLBORO ROAD,
CONCORD, MA 01742

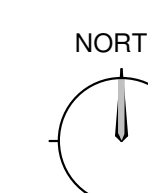
[illegible]

SCALE	3/64" = 1'-0"
DRAWN BY	NE
CHECK BY	WJ
PROJ. ARCH/ENGR.	
PROJ. MGR.	
JOB NO.	1915

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REFERENCE PLAN -
ROOF

B	C	E
A	D	F



A-103

KEY PLAN



SCHOOL
835 OLD MARLBORO ROAD,
CONCORD, MA 01742

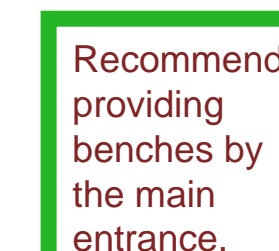
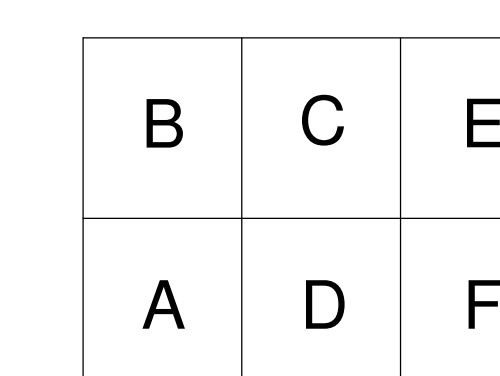
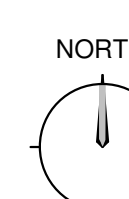
SCHOOL
835 OLD MARLBORO ROAD,
CONCORD, MA 01742

1	10/08/2021	SD ESTIMATE
MARK:	DATE:	DESCRIPTION:
ISSUE LOG		
△ = CLOUDED CHANGE		

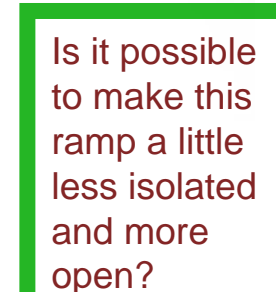
SCALE _____
 DRAWN BY _____
 CHECK BY _____
 PROJ ARCH/ENGR. _____
 PROJ. MFG. _____
 JOB NO. _____

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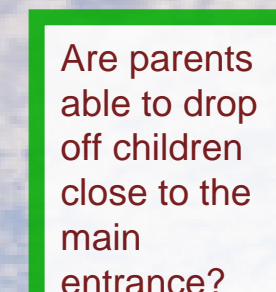
A-200



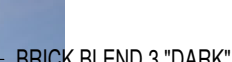
LOBBY AND ENTRY FROM EXTERIOR



AERIAL PERSEPECTIVE

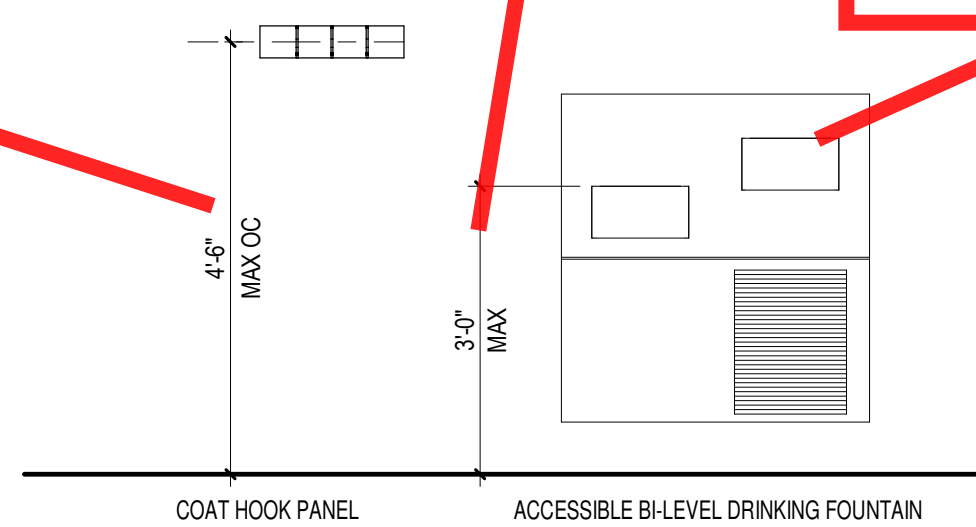


ENTRY LOOKING WEST

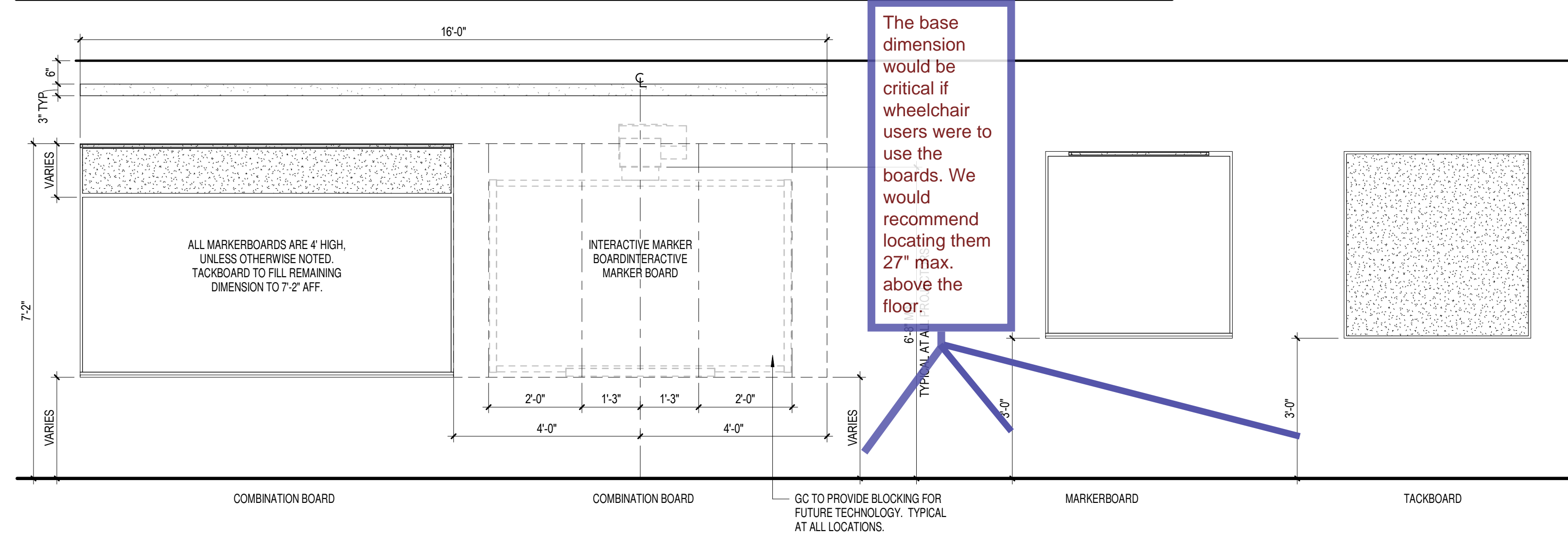


ENTRY LOOKING EAST

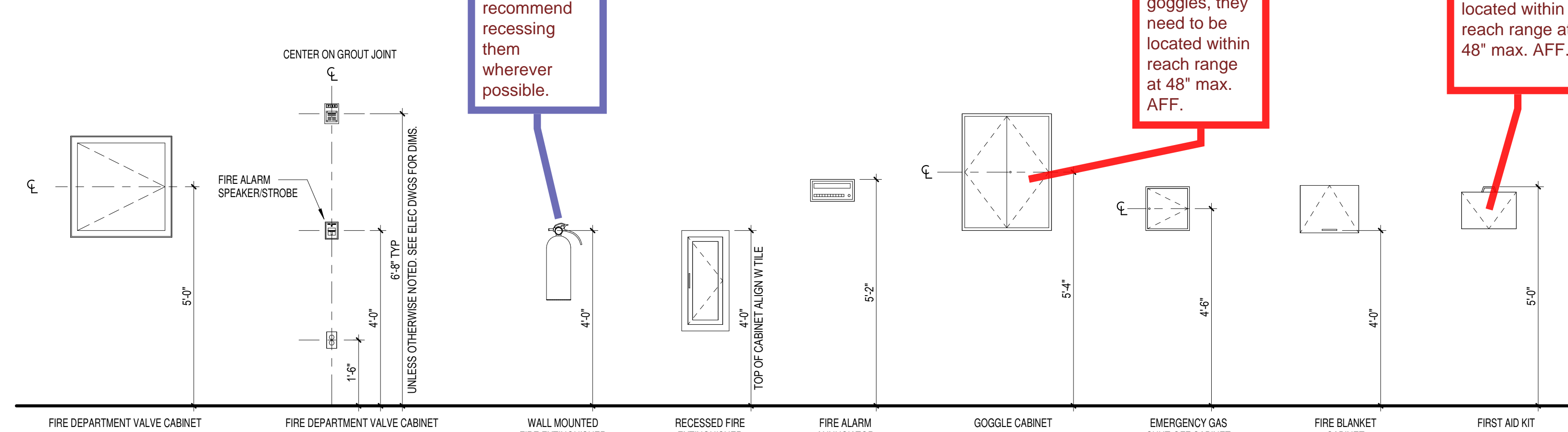
ADA 2010;
602.7
Drinking
Fountains for
Standing
Persons.
Spout outlets
of drinking
fountains for
standing
persons shall
be 38 inches
minimum and
43 inches
maximum
above the
finish floor or
ground.



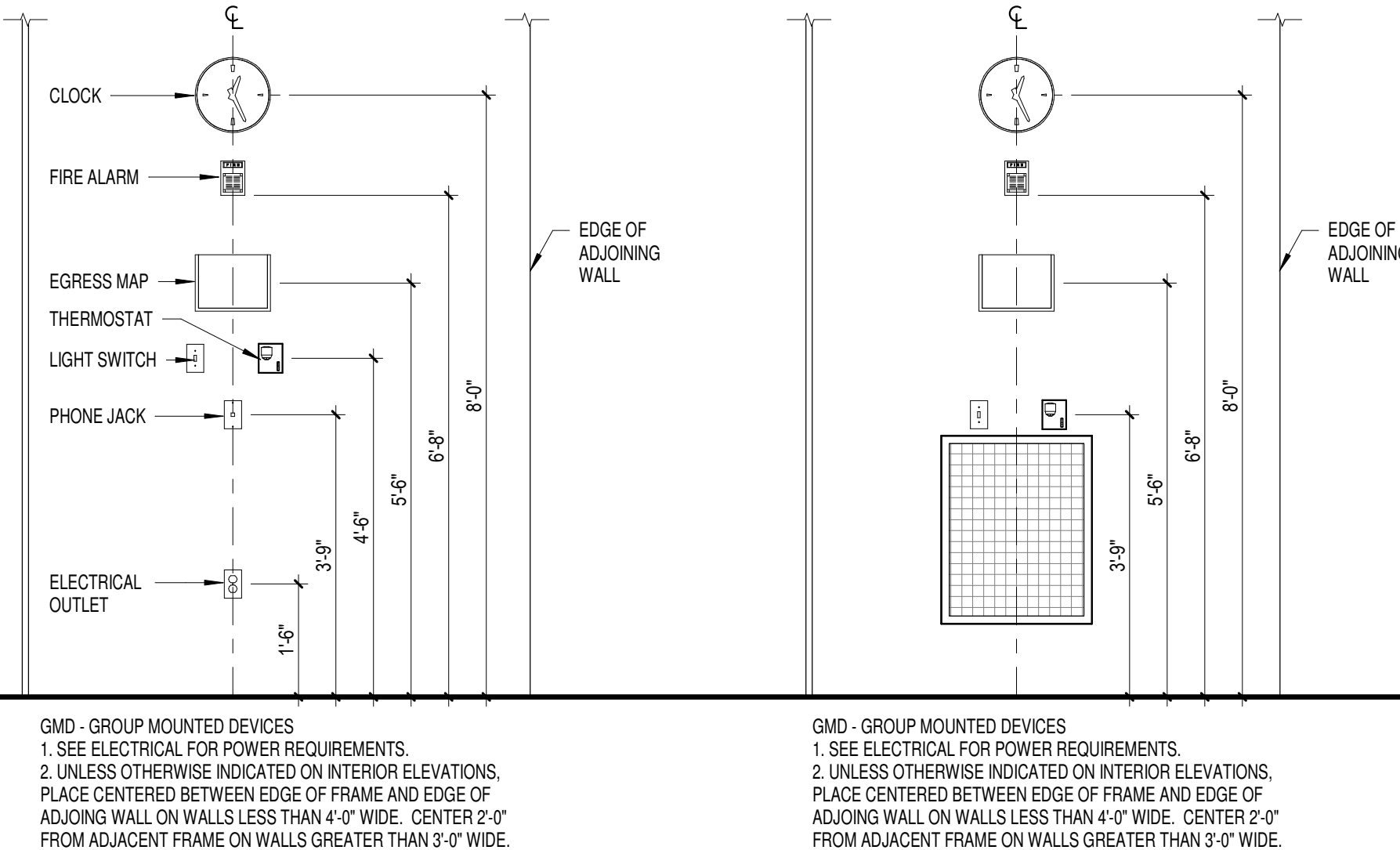
The base dimension would be critical if wheelchair users were to use the boards. We would recommend locating them 27" max. above the floor.



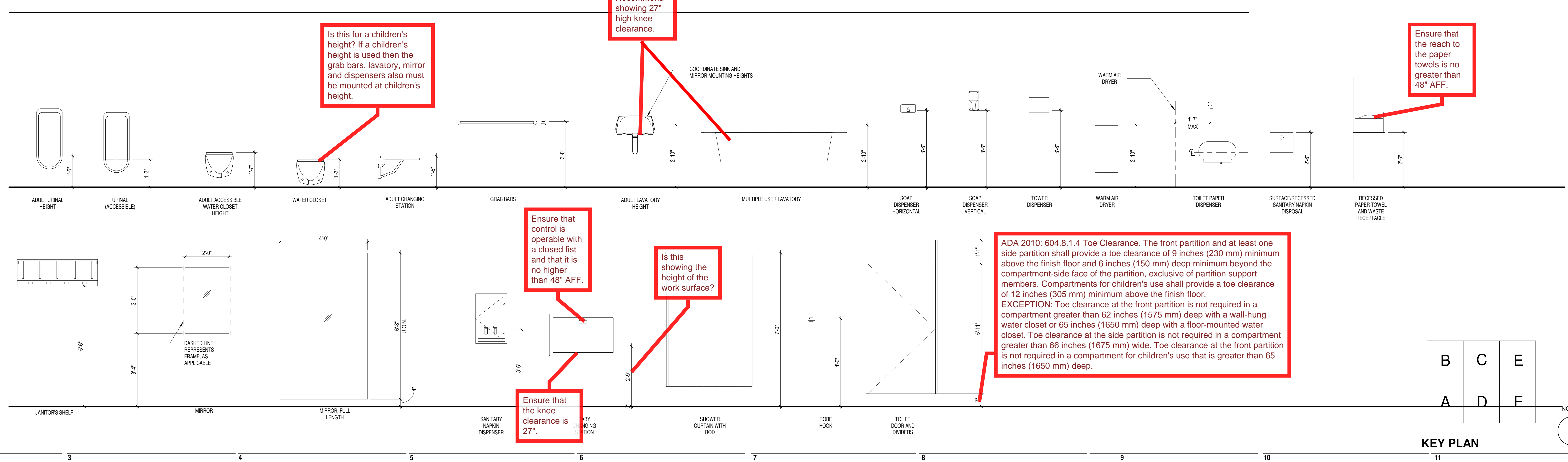
Fire extinguishers often act as protruding objects. We recommend recessing them wherever possible.



GMD - GROUP MOUNTED DEVICES
1. SEE ELECTRICAL FOR POWER REQUIREMENTS.
2. UNLESS OTHERWISE INDICATED ON INTERIOR ELEVATIONS,
PLACE CENTERED BETWEEN EDGE OF FRAME AND EDGE OF
ADJACING WALL ON WALLS LESS THAN 4'-0" WIDE. CENTER 2'-0"
FROM ADJACENT FRAME ON WALLS GREATER THAN 3'-0" WIDE.

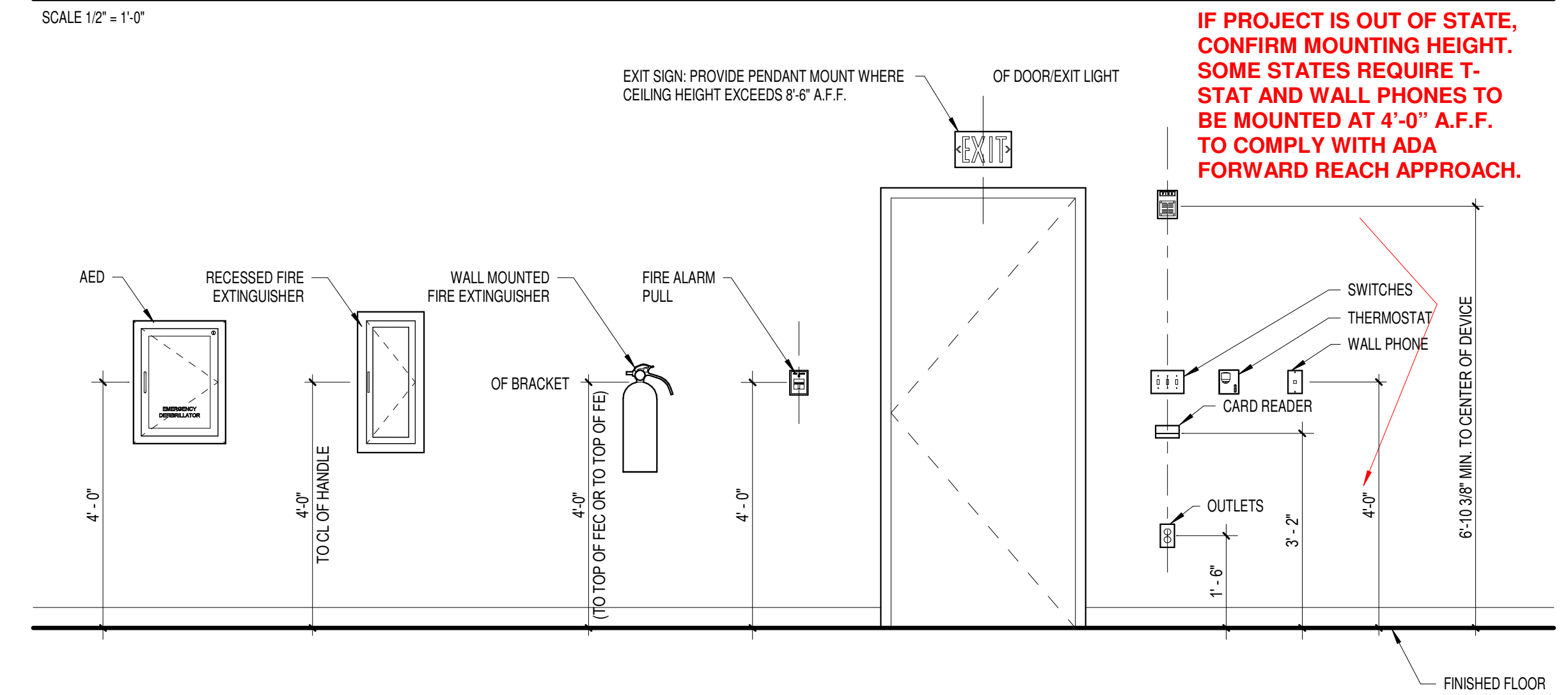


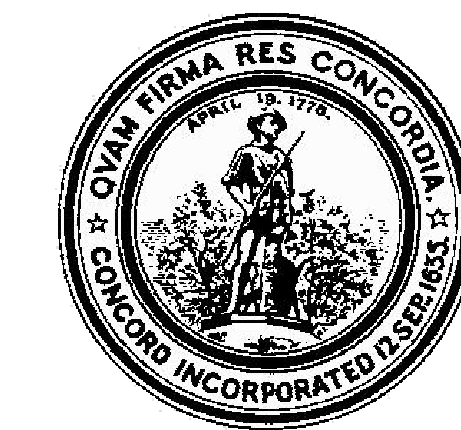
(UON ALL DIMENSIONS ARE TO FINISHED FLOOR)



1. ALL MOUNTING HEIGHTS SHALL BE MEASURED FROM FINISHED FLOOR TO CENTERLINE OF DEVICE, U.O.N. EXCLUDING EXIT SIGNS.
2. DEVICES SHALL BE INSTALLED ON A COMMON VERTICAL CENTERLINE WHEREVER POSSIBLE.
3. ALL DEVICES SHALL BE INSTALLED AT MOUNTING HEIGHTS AS INDICATED, U.O.N.

SCALE 1/2" = 1'-0"





1	10/08/2021	SD ESTIMATE
MARK:	DATE:	DESCRIPTION:
ISSUE LOG		
△ = CLOUDDED CHANGE		

SCALE	
DRAWN BY	NB
CHECK BY	WJS
PROJ. ARCH. ENGR.	
PROJ. MFG.	
JOB NO.	19153
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INTERIOR
PERSPECTIVES

J

H

G

F

E

D

C

B

A

Recommend
providing
some chairs
with
armrests.

Recommend
providing
visual
manifestation
s on glazed
walls for low
vision users.



ENTRY LOBBY LOOKING WEST

LINO FL - SEE FIN PLAN

VINYL GRAPHIC,
SEE PLANS FOR SCOPE

GYP SOFFIT W/ RECESSED
LIGHTING SEE RCP

ACOUSTIC METAL CEILING



TEAM COMMONS

WD DIVIDER, SEE PLANS/ELEVATIONS

COUNTER, SEE PLANS/ELEVATIONS

LINO FL - SEE FIN PLAN

MTL BAFFLE CEILING - SEE RCP

GYP SOFFIT/CEILING SEE RCP



CAFETERIA DINING LOOKING NORTH

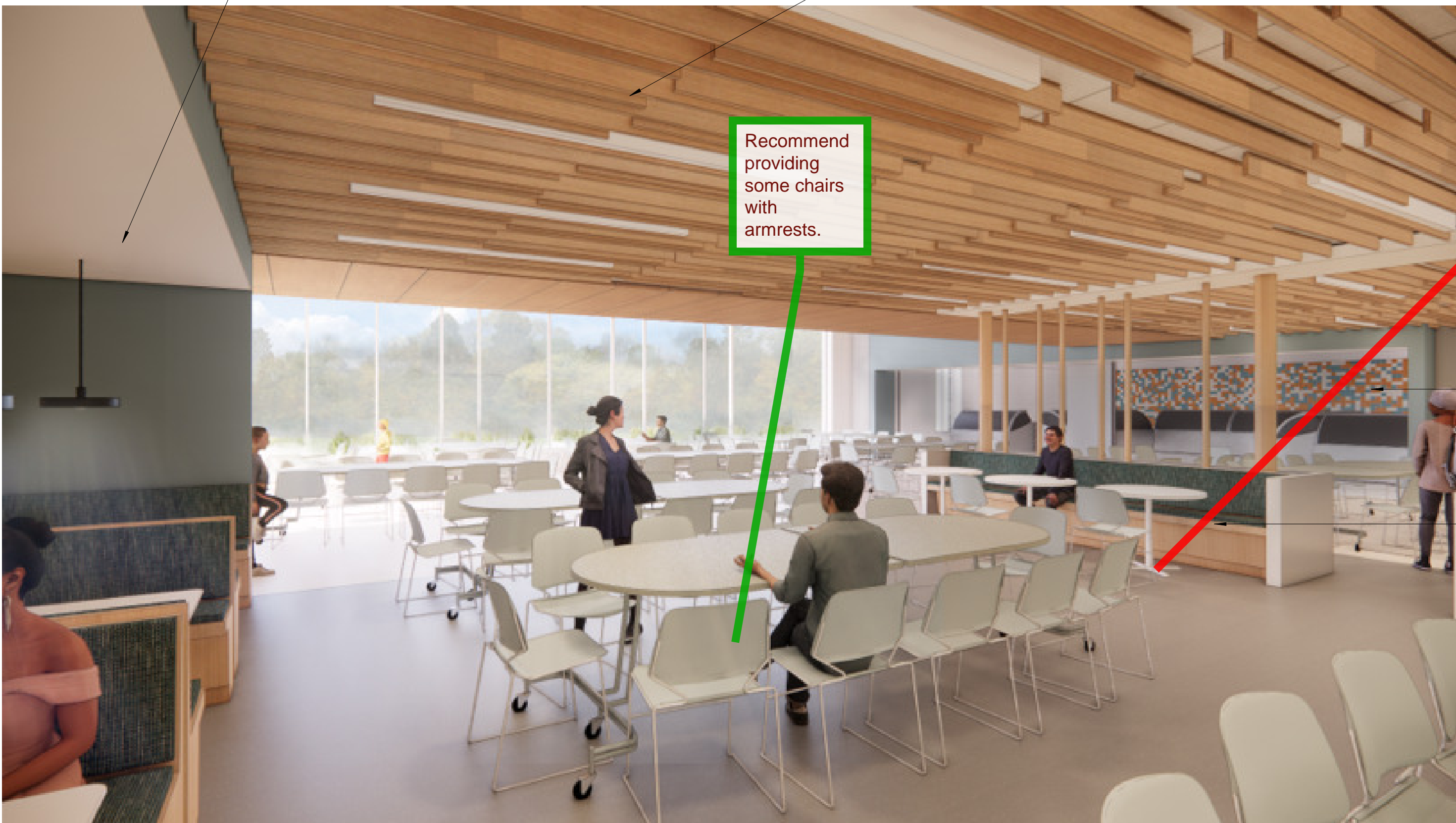
LINO FL - SEE FIN PLAN

ACOUSTIC METAL CEILING

ACCENT TILE

WD DIVIDER, SEE PLANS/ELEVATIONS

Recommend
providing
contrast
between
flooring and
furniture so
that it can be
detected by
low vision
users



CAFETERIA DINING LOOKING SOUTH

Recommend
providing
some chairs
with
armrests.

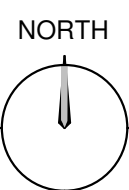
Ensure that
round tables
provide toe
clearance.

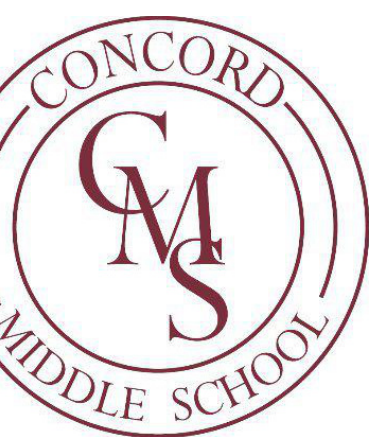
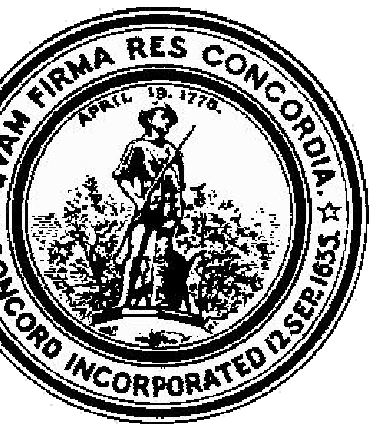
ACCENT TILE IN SERVARY

MLLWORK/FABRIC BENCH

B	C	E
A	D	F

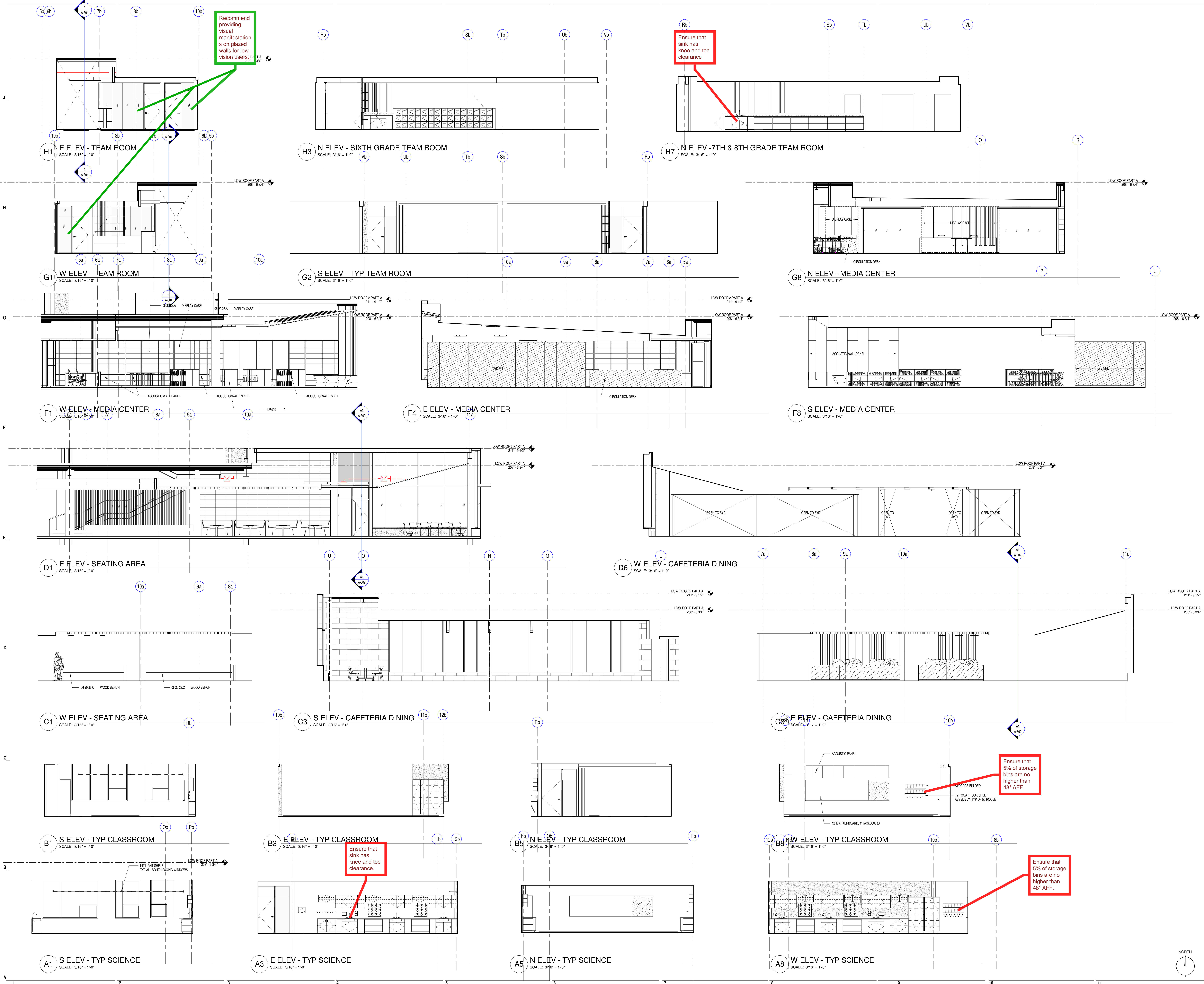
KEY PLAN

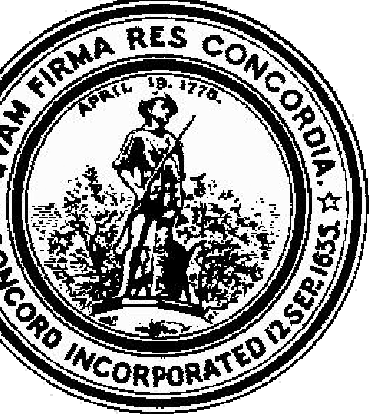




1	10/08/2021	SD ESTIMATE
MARK:	DATE:	DESCRIPTION:
ISSUE LOG		
△		△ - CLOUDS CHANGE

SCALE	3/16" = 1'-0"
DRAWN BY	NS
CHECK BY	WJS
PROJ. ARCH./ENGR.	
PROJ. MGR.	
JOB NO.	19153
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CONCORD MIDDLE SCHOOL
835 OLD MARLBORO ROAD,
CONCORD, MA 01742

[illegible]

1/8" = 1'-0"

SY _____ NE _____

Y _____ W.S. _____

CH/ENGR. _____

DG. _____

1915: _____

ES, MAINI & MCKEE ASSOCIATES, INC. 2021

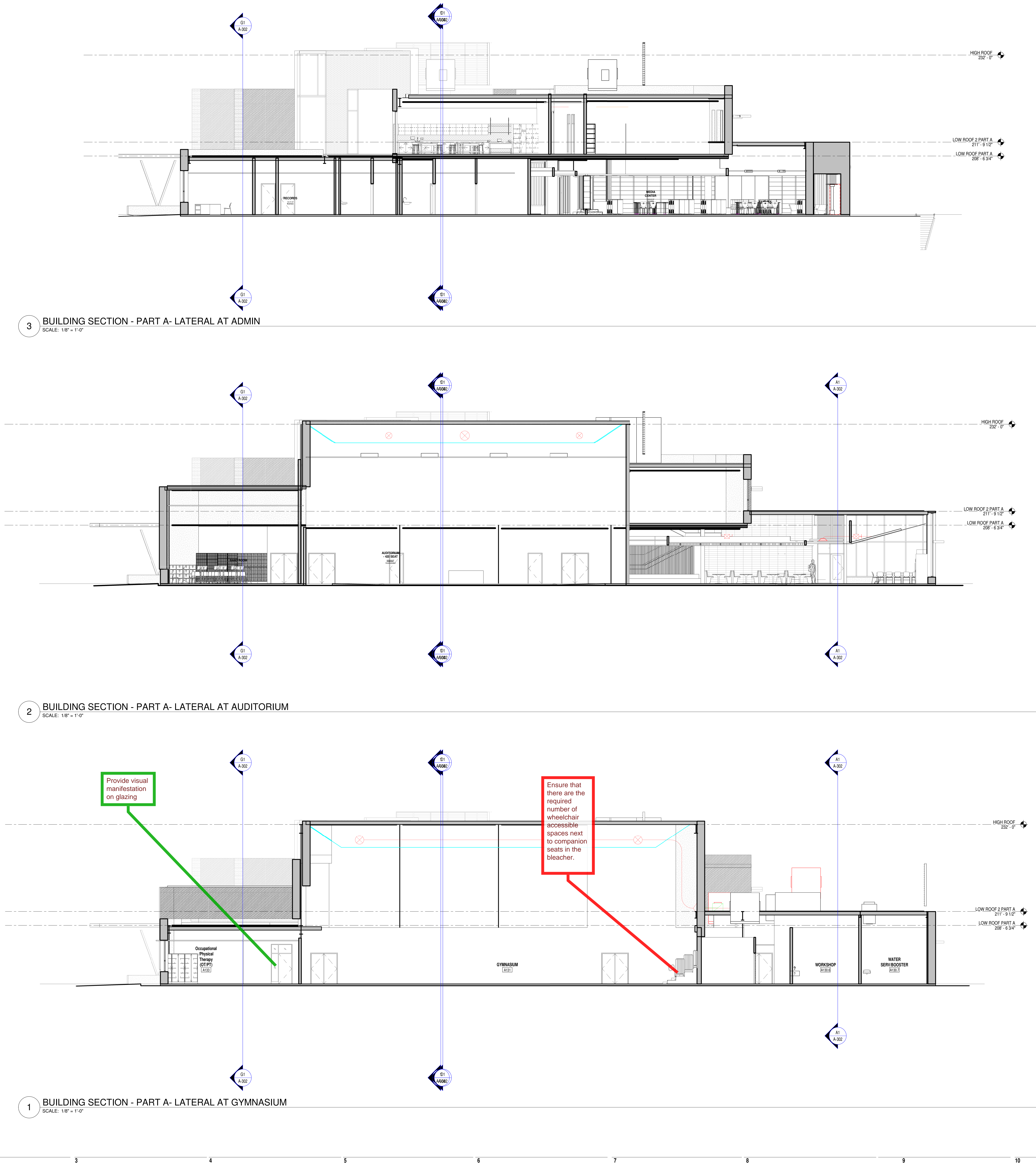
BUILDING SECTIONS

PART A

B	C	E
A	D	F

ORTH

A-301

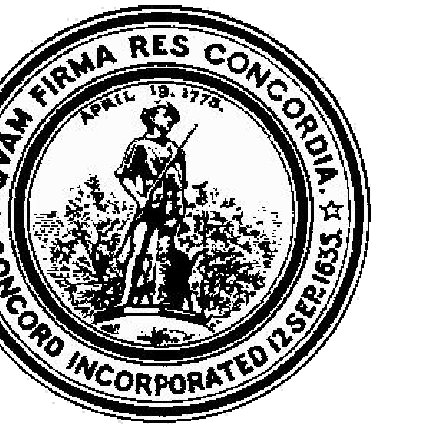




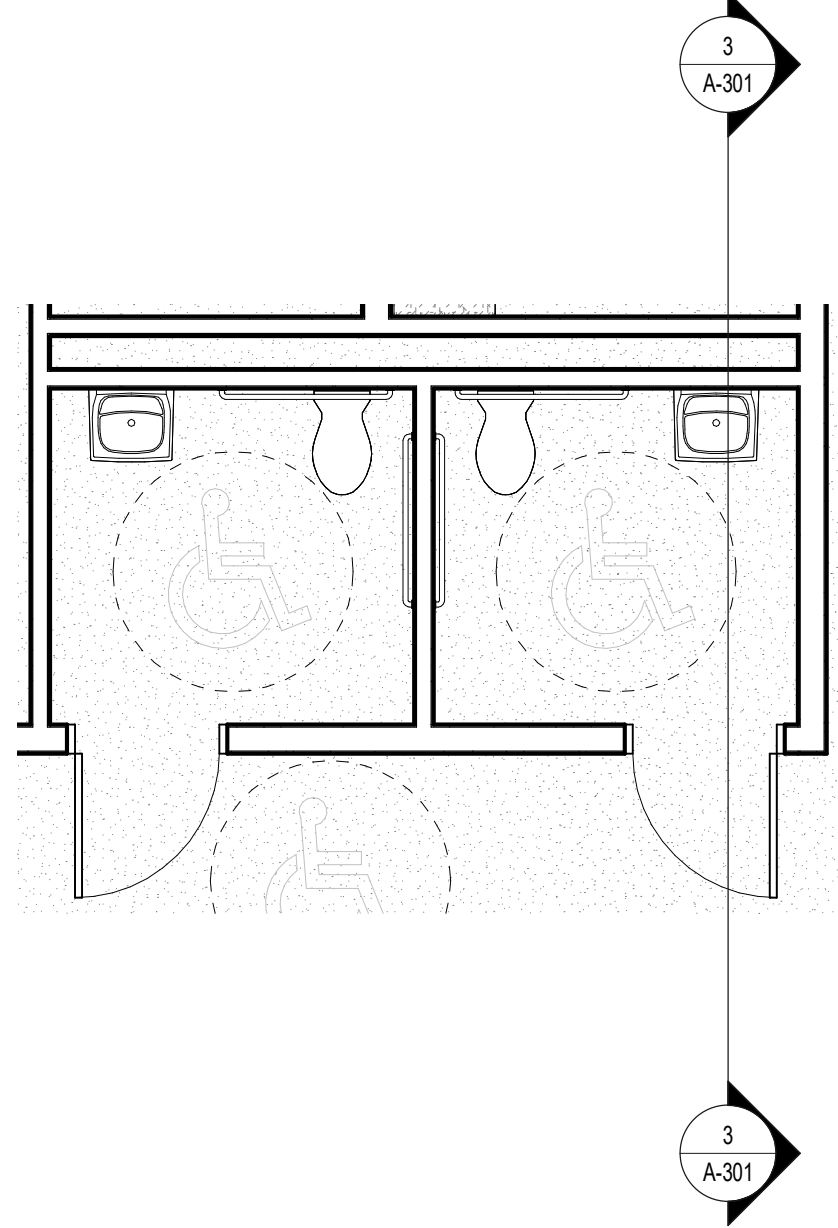
835 OLD MARLBORO ROAD
CONCORD, MA 01742

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

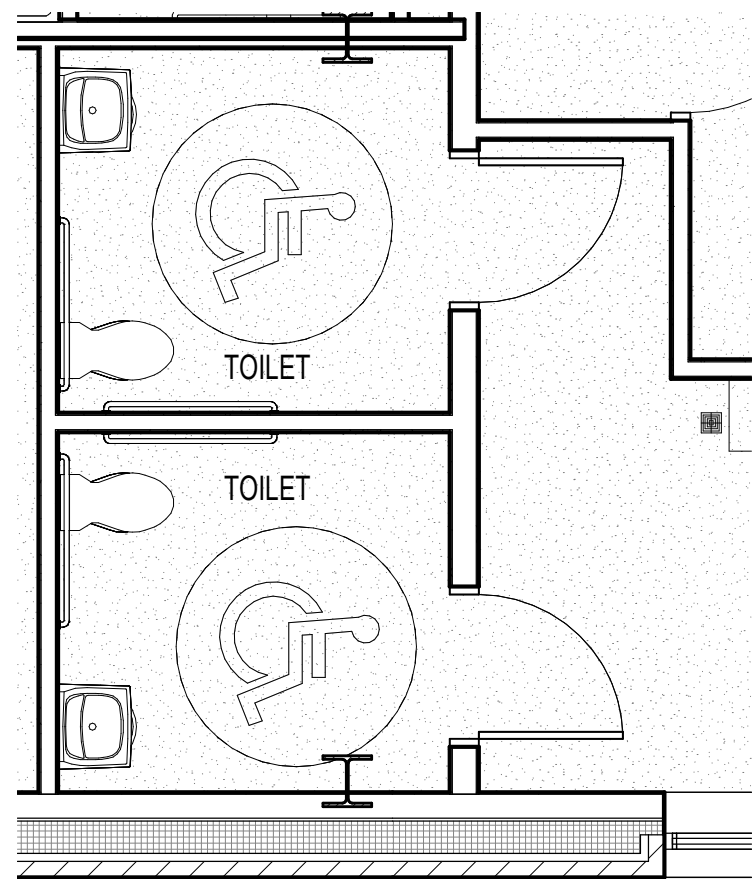




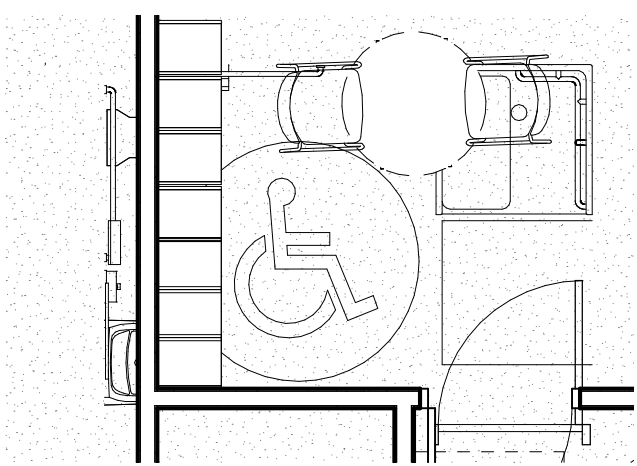
**CONCORD MIDDLE
SCHOOL**
835 OLD MARLBORO ROAD,
CONCORD, MA 01742



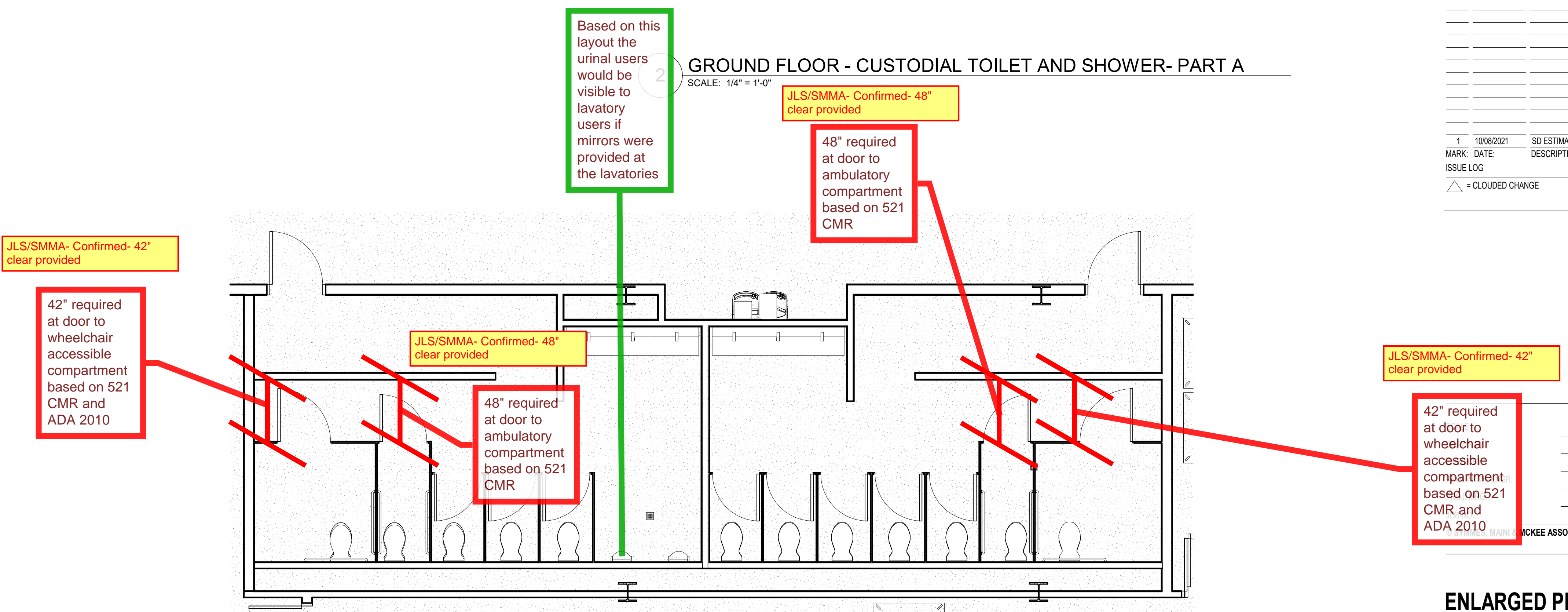
4 GROUND FLOOR - ADMIN TOILET ROOMS- PART A
SCALE: 1/4" = 1'-0"



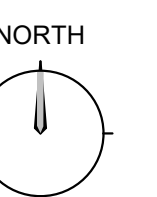
3 GROUND FLOOR - KITCHEN TOILET ROOMS- PART A
SCALE: 1/4" = 1'-0"



2 GROUND FLOOR - CUSTODIAL TOILET AND SHOWER- PART A
SCALE: 1/4" = 1'-0"

[illegible]

1 GROUND FLOOR - GANGED TOILET ROOMS- PART A
SCALE: 1/4" = 1'-0"



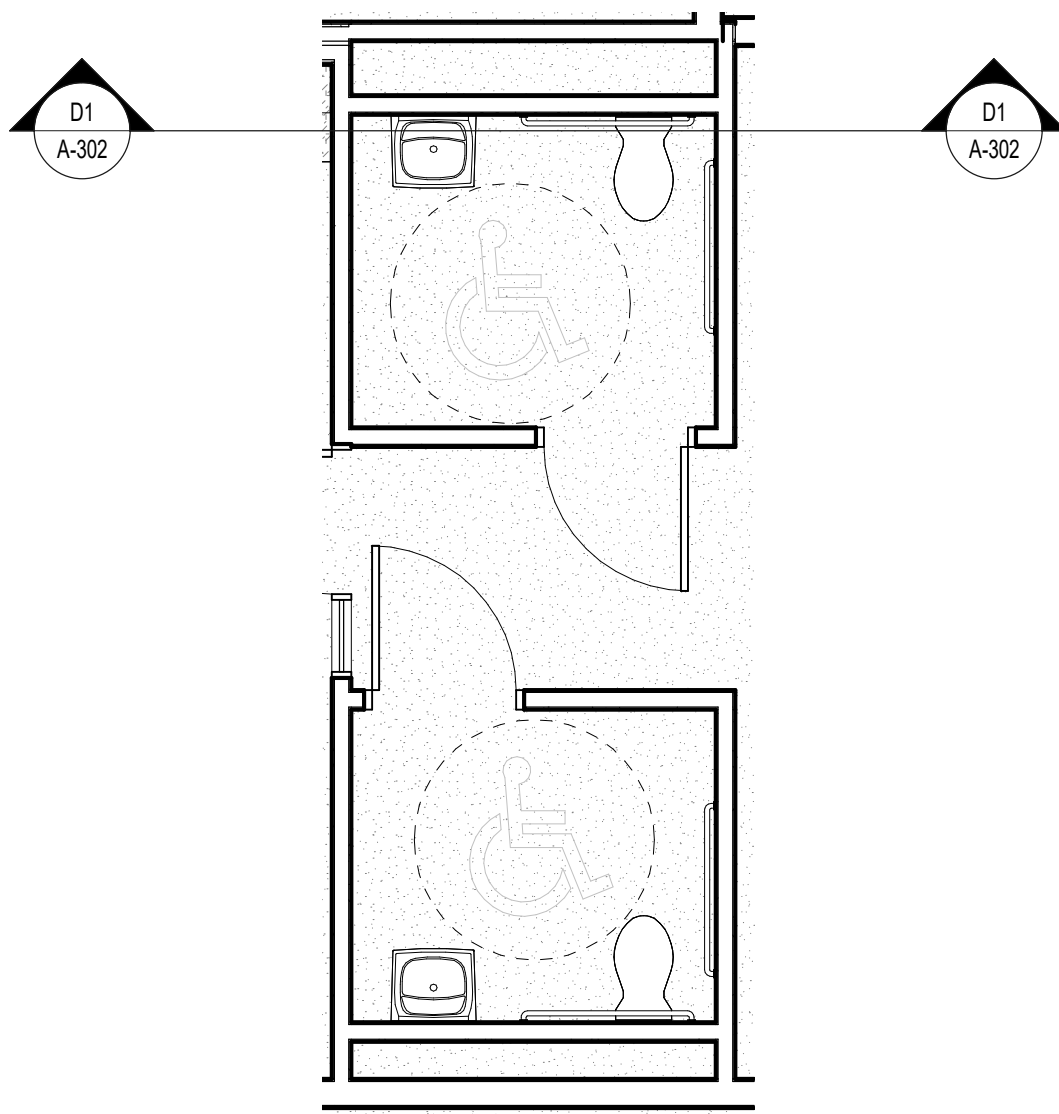


CONCORD MIDDLE SCHOOL
835 OLD MARLBORO ROAD,
CONCORD, MA 01742

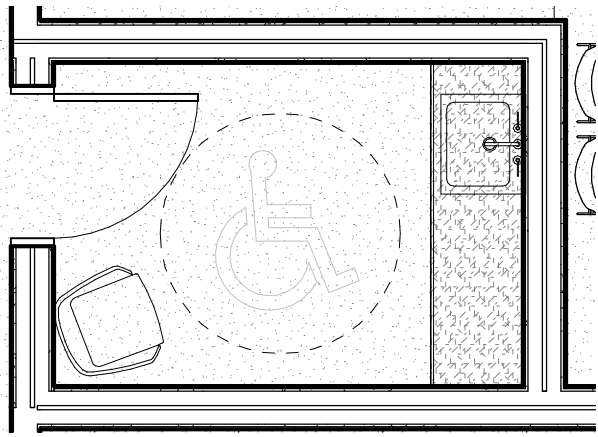
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13/09/2017	
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15/09/2017	
16/09/2017	
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ES, MAINI & MCKEE ASSOCIATES, INC. 2021

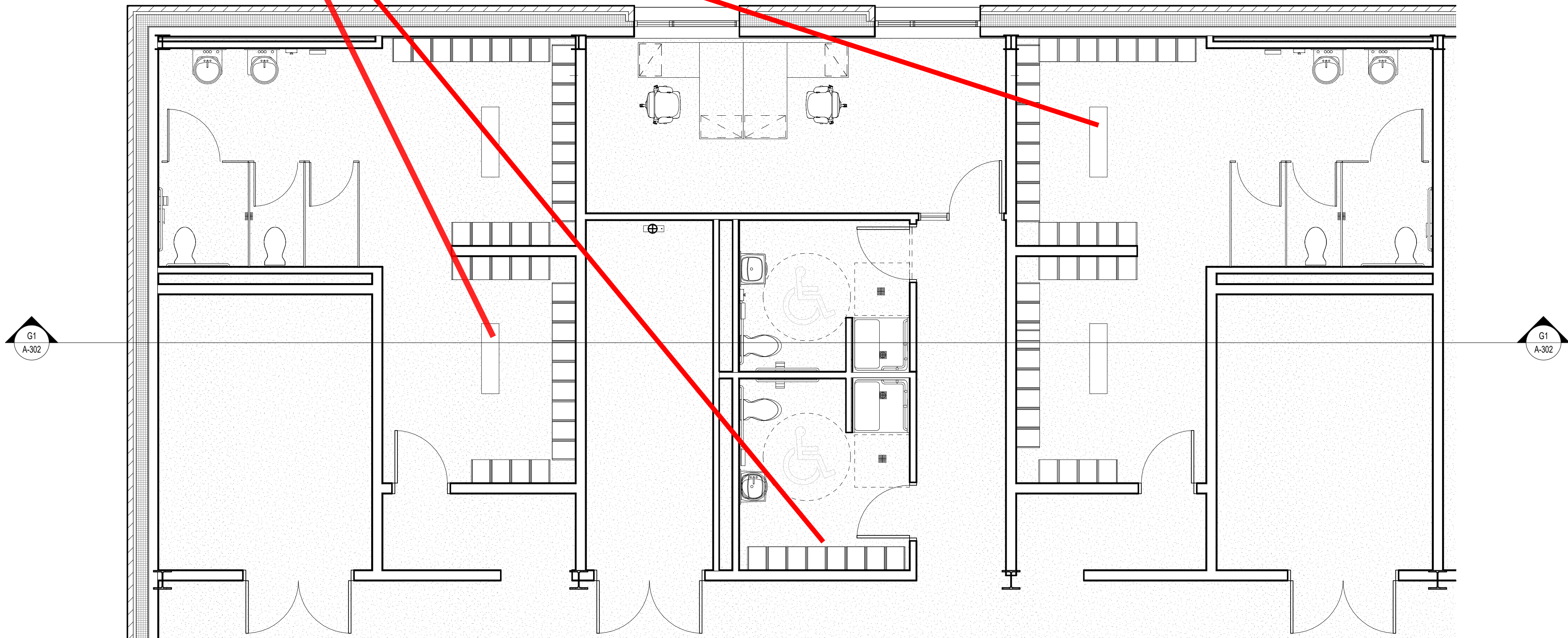
**LARGED PLANS
D ELEVATIONS-
LET AND LOCKER
OMS- PART A**



3 GROUND FLOOR - NURSE TOILET ROOMS- PART A
SCALE: 1/4" = 1'-0"



2 GROUND FLOOR - MOTHER'S ROOM- PART A
SCALE: 1/4" = 1'-0"



1 GROUND FLOOR - LOCKER ROOMS AND GYM TOILET SHOWER- PART A
SCALE: 1/4" = 1'-0"



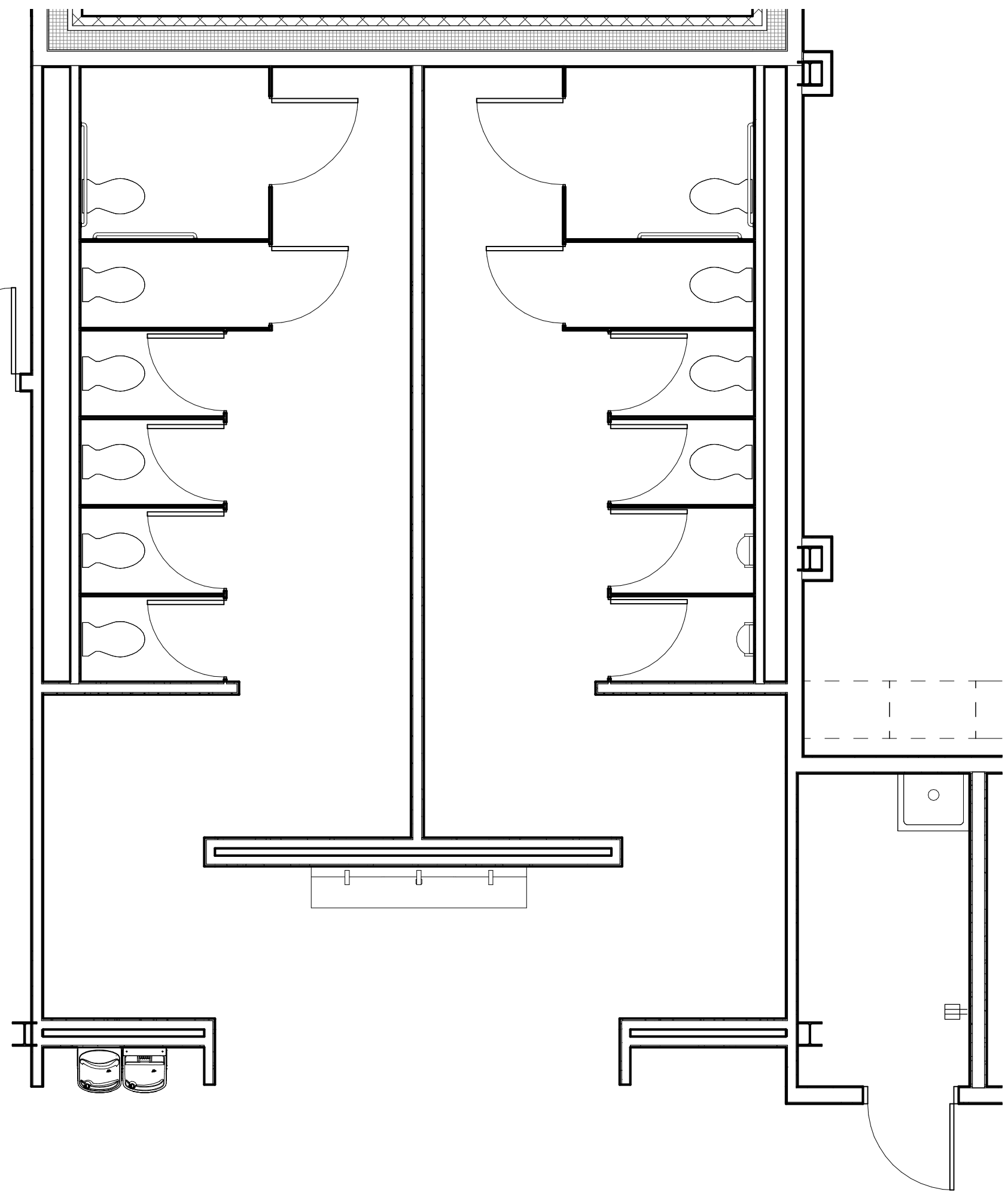
**CONCORD MIDDLE
SCHOOL**
835 OLD MARLBORO ROAD,
CONCORD, MA 01742

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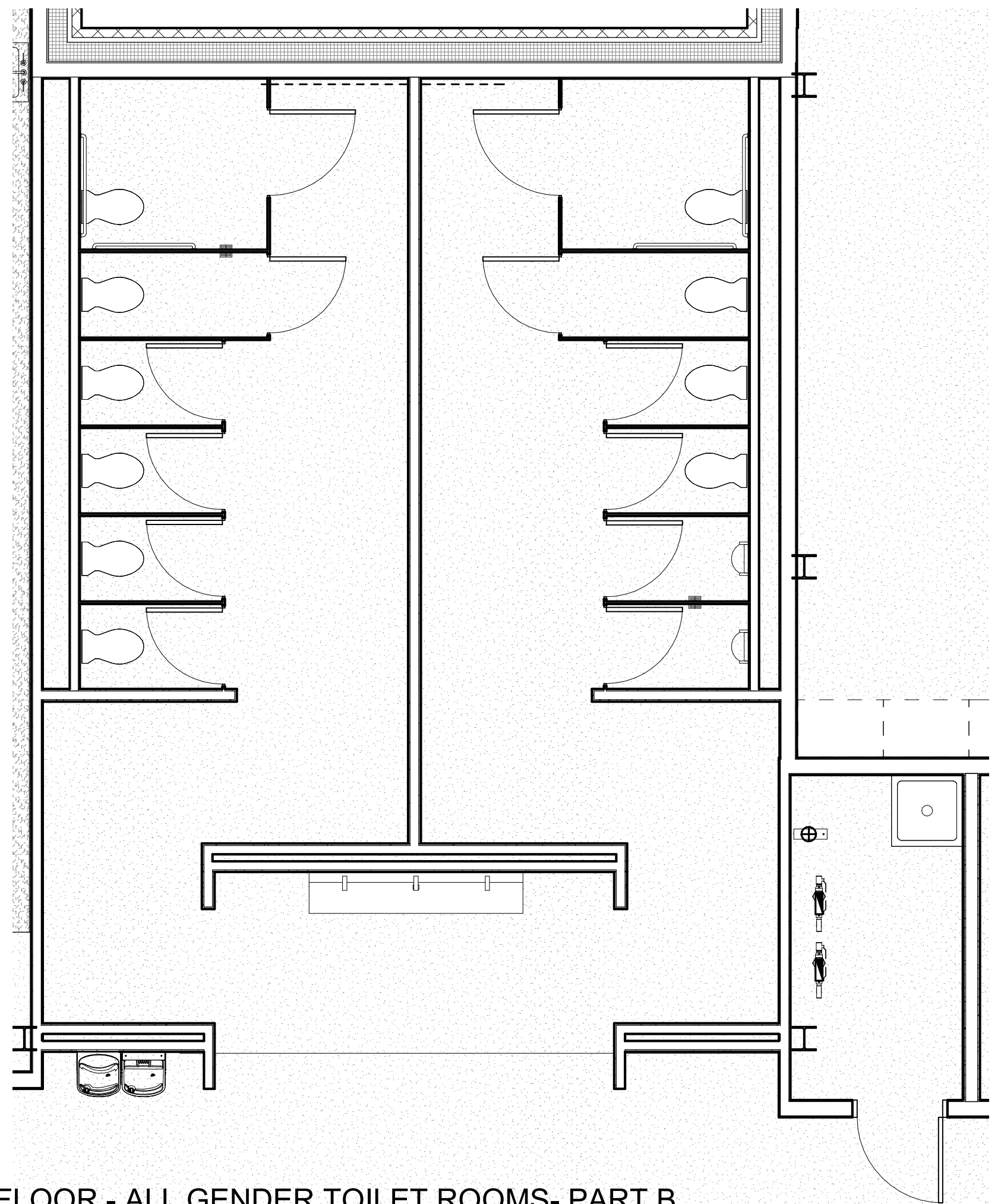
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ES, MAINI & MCKEE ASSOCIATES, INC. 2021

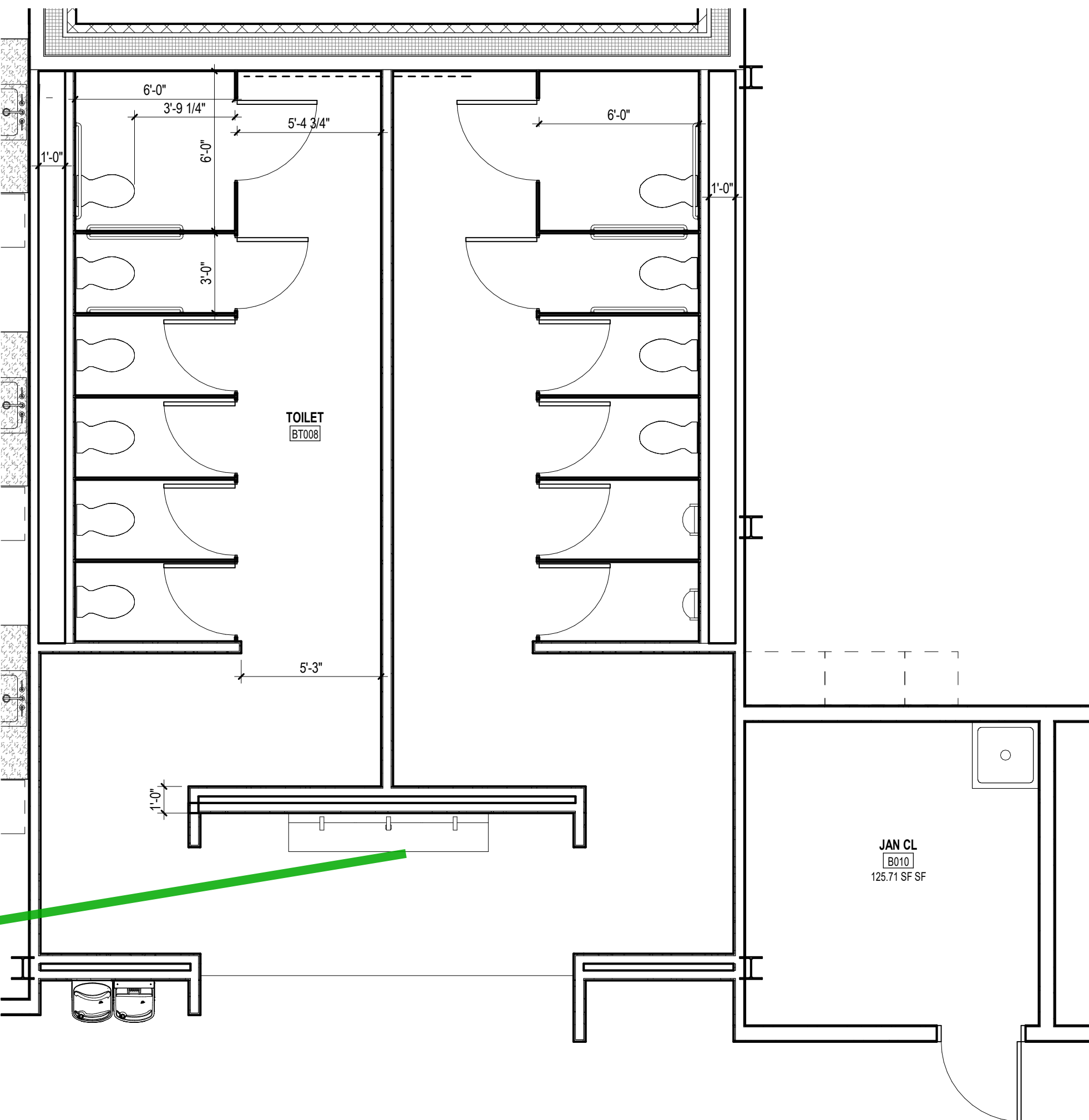
LARGED PLANS D ELEVATIONS - LET ROOMS- PART



3 UPPER LEVEL - ALL GENDER TOILET ROOMS- PART B
SCALE: 1/4" = 1'-0"



2 GROUND FLOOR - ALL GENDER TOILET ROOMS- PART B
SCALE: 1/4" = 1'-0"



As this lavatory is out in the open and not private, we would recommend having additional mirrors within the toilet rooms.

1 LOWER LEVEL - ALL GENDER TOILET ROOMS- PART B
SCALE: 1/4" = 1'-0"



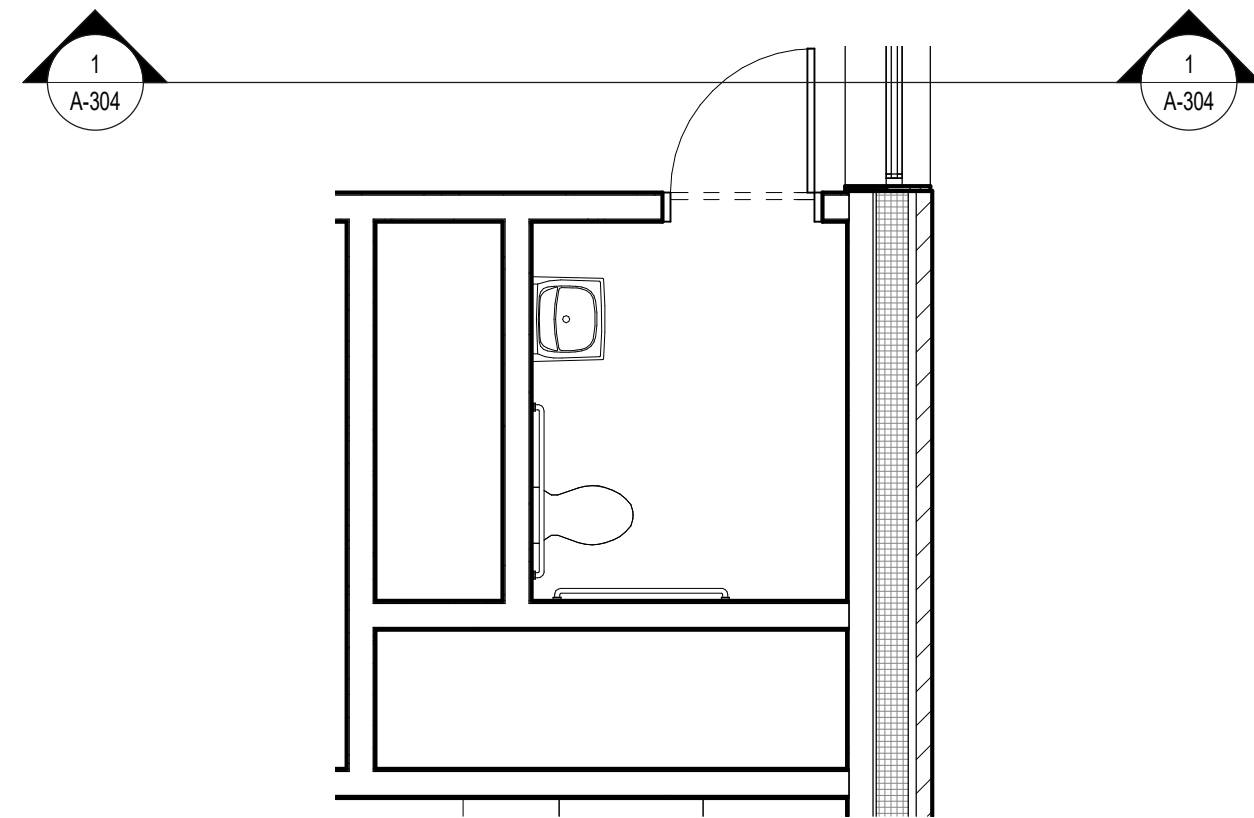
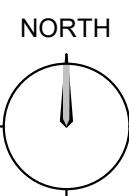
CONCORD MIDDLE SCHOOL
835 OLD MARLBORO ROAD,
CONCORD, MA 01742

01/06/2021	SD ESTIMATE
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ES, MAINI & MCKEE ASSOCIATES, INC. 2021

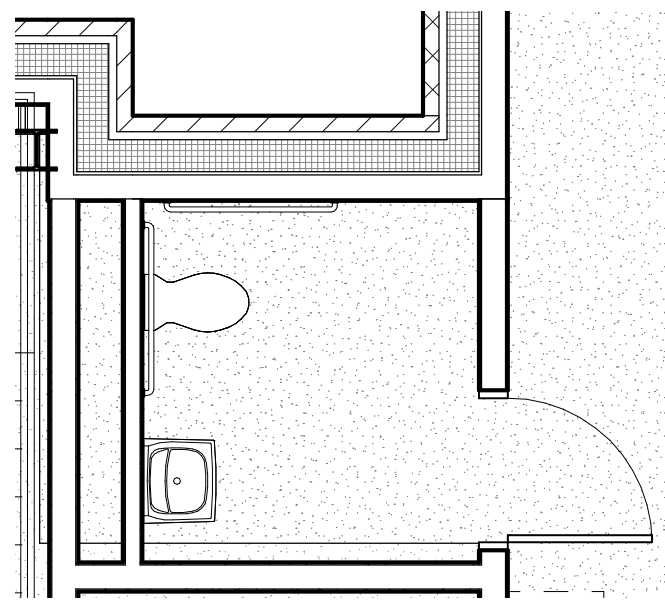
LARGED PLANS D ELEVATIONS - LET ROOMS- PART

A-413

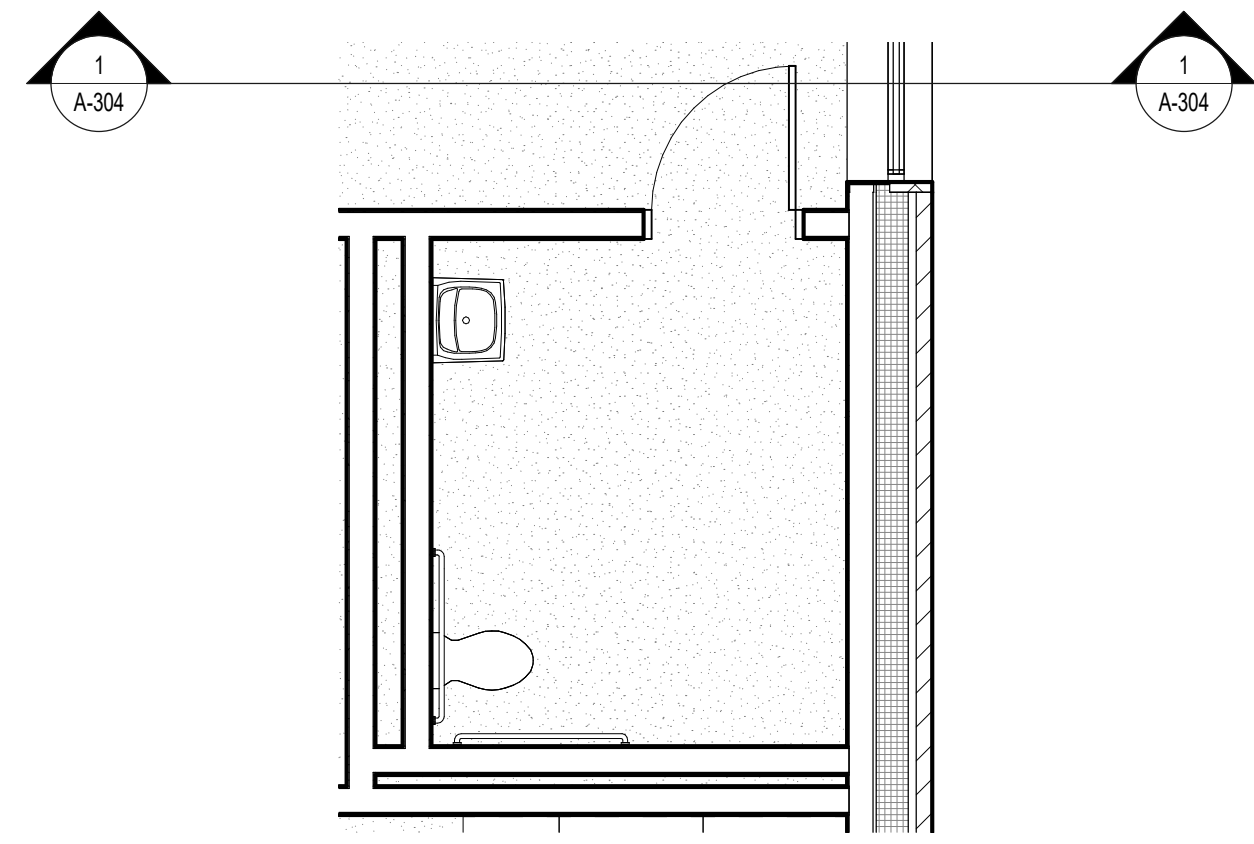


5 UPPER LEVEL - STAFF TOILET RM 1- PART B
SCALE: 1/4" = 1'-0"

6 UPPER LEVEL - STAFF TOILET RM 2- PART B
SCALE: 1/4" = 1'-0"

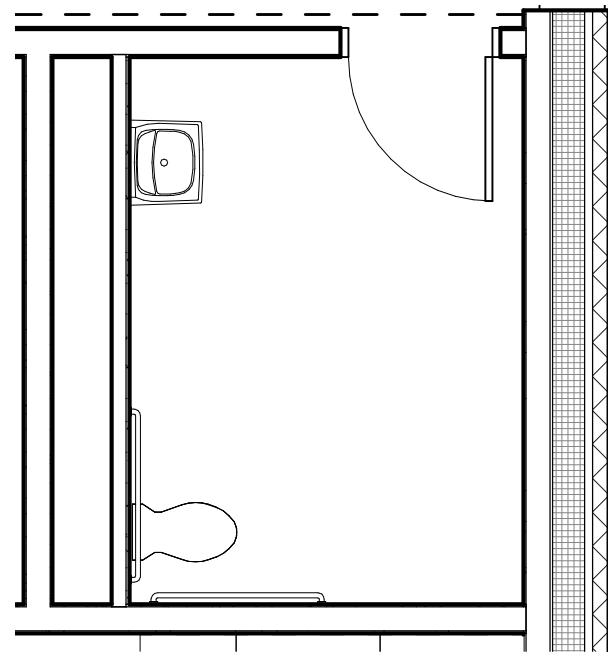


7 GROUND FLOOR - ASD TOILET ROOM- PART B
SCALE: 1/4" = 1'-0"



3 GROUND FLOOR - STAFF TOILET RM 1- PART B
SCALE: 1/4" = 1'-0"

4 GROUND FLOOR - STAFF TOILET RM 2- PART E
SCALE: 1/4" = 1'-0"



1 LOWER LEVEL - STAFF TOILET RM 1- PART B
SCALE: 1/4" = 1'-0"

2 LOWER LEVEL - STAFF TOILET RM 2- PART B
SCALE: 1/4" = 1'-0"

DEMOUNTABLE SYSTEM TYPES



1. SEE FLOOR PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. PROVIDE FILM AT DEMOUNTABLE SYSTEM GLASS FRONTS AND GLASS DOORS.
3. GC TO PROVIDE BLOCKING ABOVE GWB CEILING AND AT ADJACENT WALLS, AS NEEDED. GC TO COORDINATE BLOCKING LOCATIONS WITH DEMOUNTABLE SYSTEM MANUFACTURER.

DEMOUNTABLE SYSTEM DOOR SCHEDULE - REMARKS

1. INPUT INFORMATION HERE



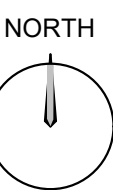
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CONCORD, MA 01742

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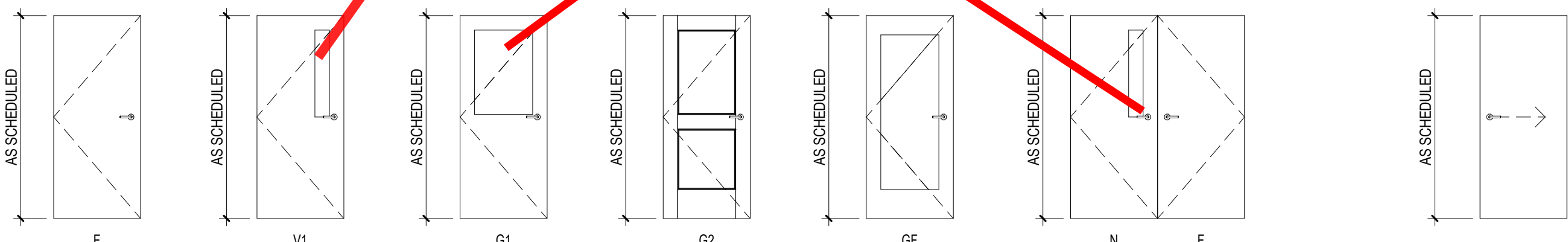
ES, MAINI & MCKEE ASSOCIATES, INC. 2021

A-602



ADA 2010: 404.2.11 Vision Lights.
Doors, gates, and side lights adjacent
to doors or gates, containing one or
more glazing panels that permit
viewing through the panels shall have
the bottom of at least one glazed
panel located 43 inches (1090 mm)
maximum above the finish floor.

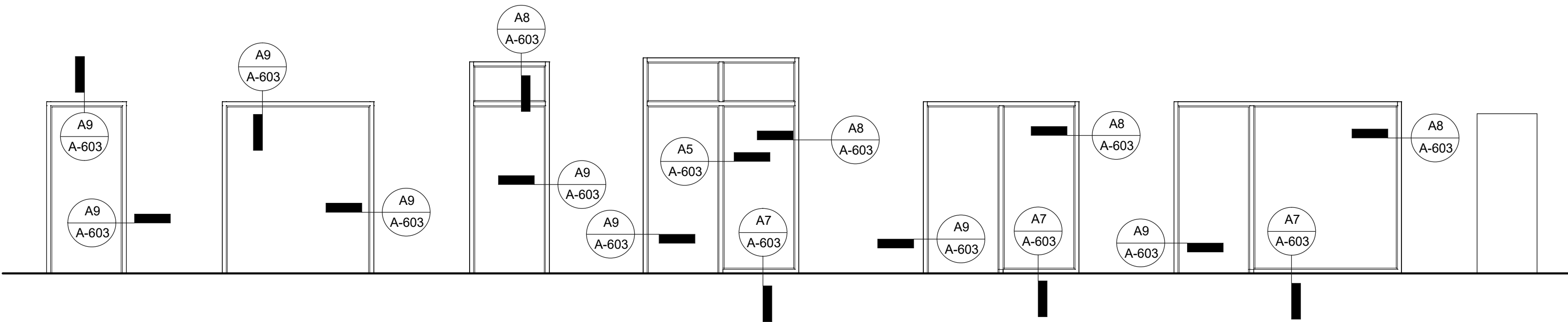
DOOR TYPES (EXAMPLES)



HOLLOW METAL DOOR FRAME & SIDELIGHT TYPES

(EXAMPLES)

COORDINATE GLASS TYPE & THICKNESS WITH SPECIFICATIONS



ABBREVIATIONS

AL	ALUMINUM	ETR	EXISTING TO REMAIN
GL	GLASS	RL	RELOCATED
HM	HOLLOW METAL	CR	CARD READER
OFC	OWNER FURNISHED, CONTRACTOR INSTALLED	CT	DOOR CONTACT
I	PAIR	WD	WOOD
PR			

DOOR AND HARDWARE GENERAL NOTES

- DOORS AND DOOR HARDWARE TO BE ADA COMPLIANT WITH LOCAL BUILDING & FIRE CODES.
- SEE FLOOR PLANS AND PARTITION TYPES FOR THROAT DEPTHS. NEW FRAMES IN EXISTING PARTITIONS TO HAVE THROAT DEPTHS VERIFIED IN FIELD.
- UNDERCUT DOOR TO CLEAR TOP OF FLOOR FINISHES BY 1/4" U.O.N.
- GLAZING STOP TO BE ON ROOM SIDE OF FRAME WHEN FRAME IS IN CORRIDOR U.O.N.
- ALL EXISTING DOOR AND FRAMES TO BE TOUCHED UP TO MATCH NEW DOORS & FRAMES. REFER TO FINISH PLANS.
- MAINTAIN RATING OF EXISTING FIRE RATED DOORS TO REMAIN.
- LOCK CORES TO BE COMPATIBLE WITH BUILDING STANDARD CYLINDERS AND KEYED TO MASTER SYSTEM. COORDINATE WITH BUILDING ENGINEER.
- ENTRY DOOR AND EXIT DOORS AND EXIT DOORS WITH CARD READERS TO BE TIED INTO FIRE ALARM SYSTEM & LOSS OF POWER AS FAIL SAFE MODE.
- ALL SINGLE DOORS TO RECEIVE 1-1/2" PAIR BUTT HINGES AND DOUBLE DOOR TO RECEIVE 3 PAIR BUTT HINGES.
- DOORS OVER 7'-0" HEIGHT TO RECEIVE 2 PAIR BUTT HINGES AT THE SINGLE DOOR AND 4 PAIRS BUTT HINGES AT DOUBLE DOORS
- THE HARDWARE SET IS FURNISHED AS INFORMATION AND AS GUIDE ONLY THE COMPLETE QUANTITY REQUIREMENTS FOR EACH OPENING SHALL BE THE RESPONSIBILITY OF GC.

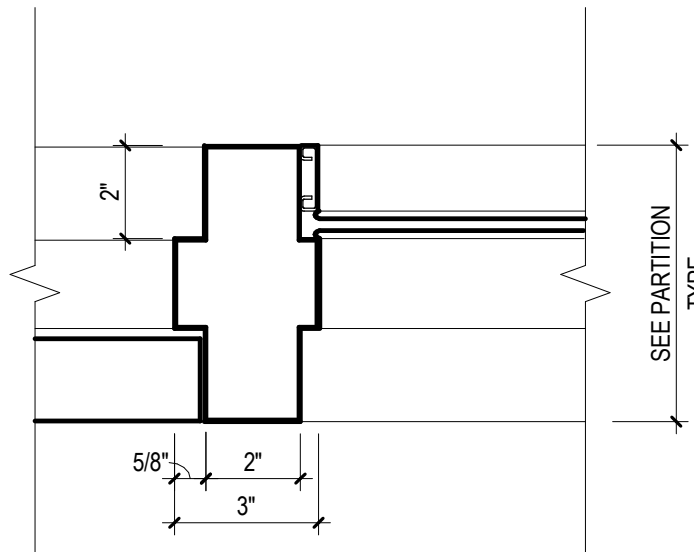
DOOR SCHEDULE - REMARKS

- CARD READER KEYED TO TENANT ACCESS ONLY. SECURITY DEVICES PROVIDED BY SECURITY CONTRACTOR.
- EXISTING DOOR TO RECEIVE SECURITY HARDWARE. MODIFY EXISTING DOOR AS NEEDED. GC TO COORDINATE.
- DOOR, FRAME, & ASSOCIATED HARDWARE TO BE ACoustically RATED. GC TO COORDINATE.
- UNDERCUT DOOR TO CLEAR TOP OF FLOOR FINISH BY 3/4"

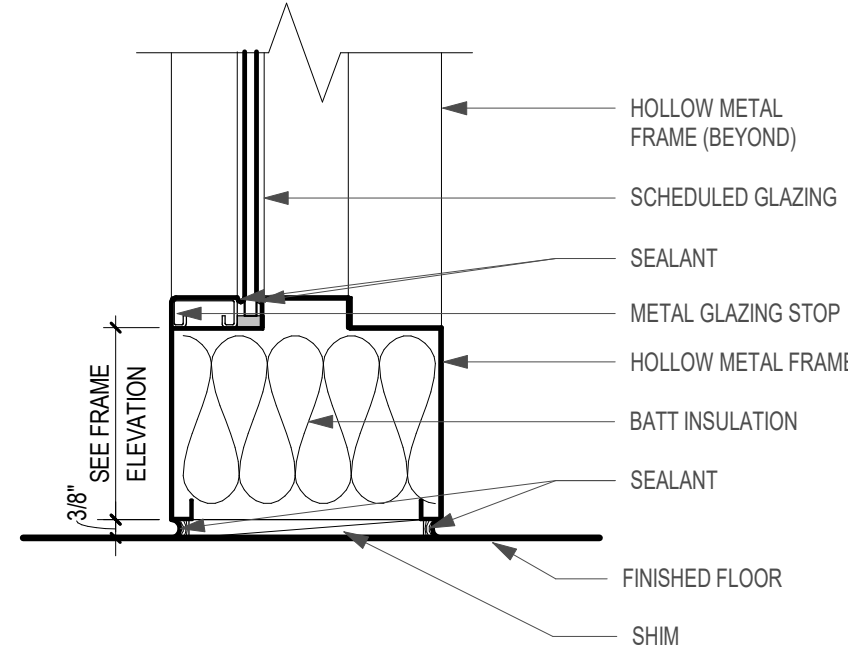
HARDWARE SETS

HS-1 PRIVATE OFFICE 1 2PR BUTT HINGES 1 PASSAGE SET 1 COAT HOOK 1 FLOOR STOP DOOR MOHAI MUTE	HS-8 STORAGE ROOMS / CLOSETS - SINGLE DOOR 2PR BUTT HINGES 1 STORAGE LOCK SET 1 CLOSER 1 FLOOR STOP DOOR MOHAI MUTE
HS-2 PRIVATE OFFICE 2 2PR BUTT HINGES 1 OFFICE LOCK SET 1 COAT HOOK 1 FLOOR STOP DOOR MOHAI MUTE	HS-9 STORAGE ROOMS / CLOSETS - DOUBLE DOOR 4PR BUTT HINGES 1 STORAGE LOCK SET (ACTIVE LEAF) 1 DUMMY LEVEL SET 1 FLUSH THROUGH BOLT 1 CLOSER (ACTIVE LEAF) 1 FLOOR STOP DOOR MOHAI MUTE
HS-3 CONFERENCE ROOM - SINGLE DOOR 2PR BUTT HINGES 1 PASSAGE SET 1 FLOOR STOP DOOR MOHAI MUTE	HS-10 OFFICE ENTRY (WITHOUT CARD READER) 2PR BUTT HINGES 1 OFFICE LOCK SET 1 CLOSER 1 FLOOR STOP DOOR MOHAI MUTE
HS-4 CONFERENCE ROOM - SINGLE DOOR (WITH LOCK) 2PR BUTT HINGES 1 OFFICE LOCK SET (OR CLASSROOM LOCK SET) 1 FLOOR STOP DOOR MOHAI MUTE	HS-11 ELECTRIC ROOM - SINGLE DOOR 2PR BUTT HINGES 1 STORAGE LOCK SET 1 PANIC CRASH BAR 1 CLOSER 1 FLOOR STOP SILENCERS
HS-5 UNSEX RESTROOM / WELLNESS ROOM / MOTHER'S ROOM 2PR BUTT HINGES 1 PRIVACY LOCK SET (WITH OCCUPIED NOTIFIER) 1 CLOSER 1 COAT HOOK 1 FLOOR STOP DOOR MOHAI MUTE	HS-12 GLASS ENTRY - DOUBLE DOOR (WITH CARD READER) 2 PULL - 1" DIA. TUBULAR 2 PANIC CRASH BAR - 1" DIA. TUBULAR 2 CONCEALED CLOSERS 2 PIVOT HARDWARE 1 ELEC. MAGNETIC CONCEALED LOCK CLG. MNTD. DOOR RELEASE WALL MNTD. PUSH RELEASE CARD READER
HS-6 WOMEN'S & MEN'S RESTROOMS 2PR BUTT HINGES 1 PUSH/PULL SET 1 CLOSER 2 KICK PLATES (12" H) 1 FLOOR STOP SILENCERS	
HS-7 STORAGE ROOMS / CLOSETS - SINGLE DOOR 2PR BUTT HINGES 1 STORAGE LOCK SET 1 CLOSER 1 FLOOR STOP DOOR MOHAI MUTE	1. PLEASE REVIEW AND MODIFY AS NEEDED 2. IF HM FRAMES ARE USED, ADD SILENCERS IN PLACE OF THE MOHAI MUTES. 3. COORDINATE HARDWARE SET WITH CLIENT'S SECURITY STANDARDS.

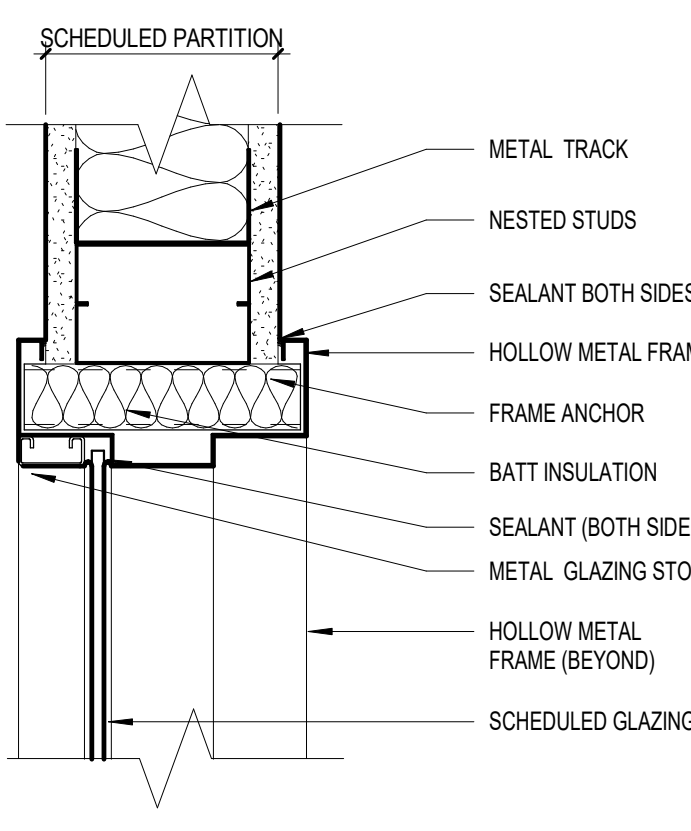
FRAME DETAILS



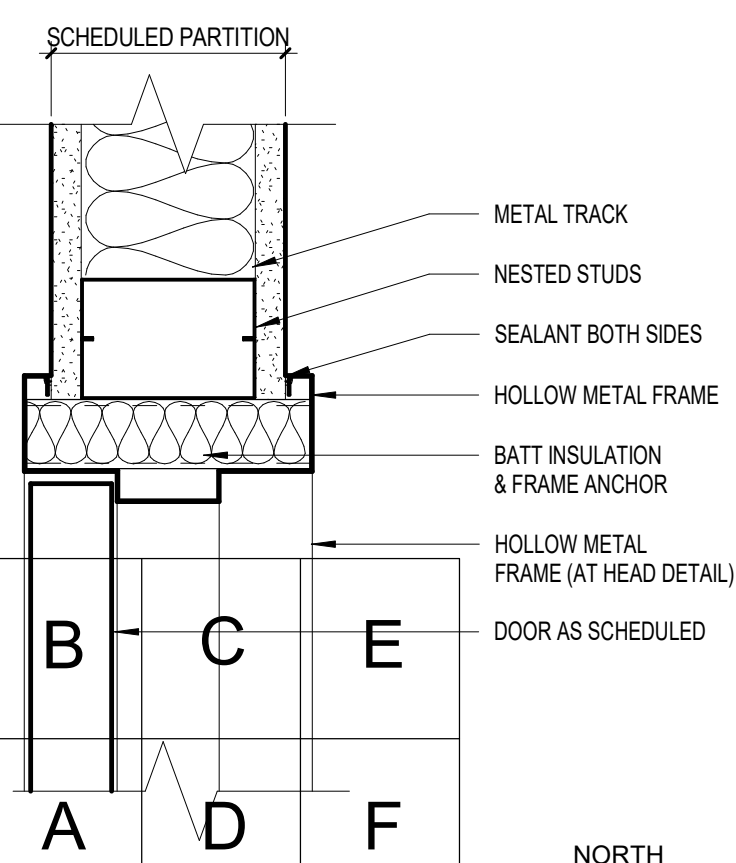
A5 HOLLOW METAL DOOR AT SIDELIGHT
SCALE: 3" = 1'-0"



A7 HOLLOW METAL GLAZING
SCALE: 3" = 1'-0"



A8 HOLLOW METAL GLAZING JAMB AND HEAD AT GWB
SCALE: 3" = 1'-0"

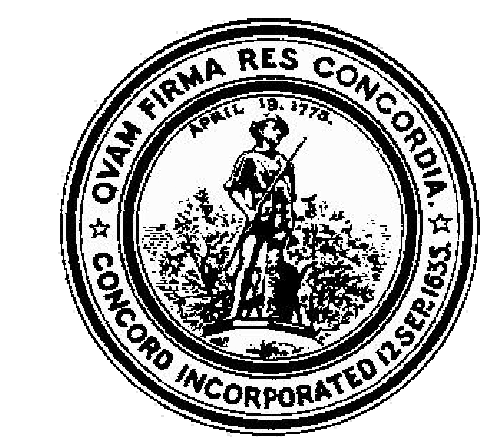


A9 HOLLOW METAL DOOR JAMB AND HEAD AT GWB
KEY PLAN

SCALE	As indicated
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CHECK BY	WJS
PROJ. ARCH. ENGR.	
PROJ. MGR.	
JOB NO.	19153
© SYMMES, MANN & MCKEE ASSOCIATES, INC. 2021	

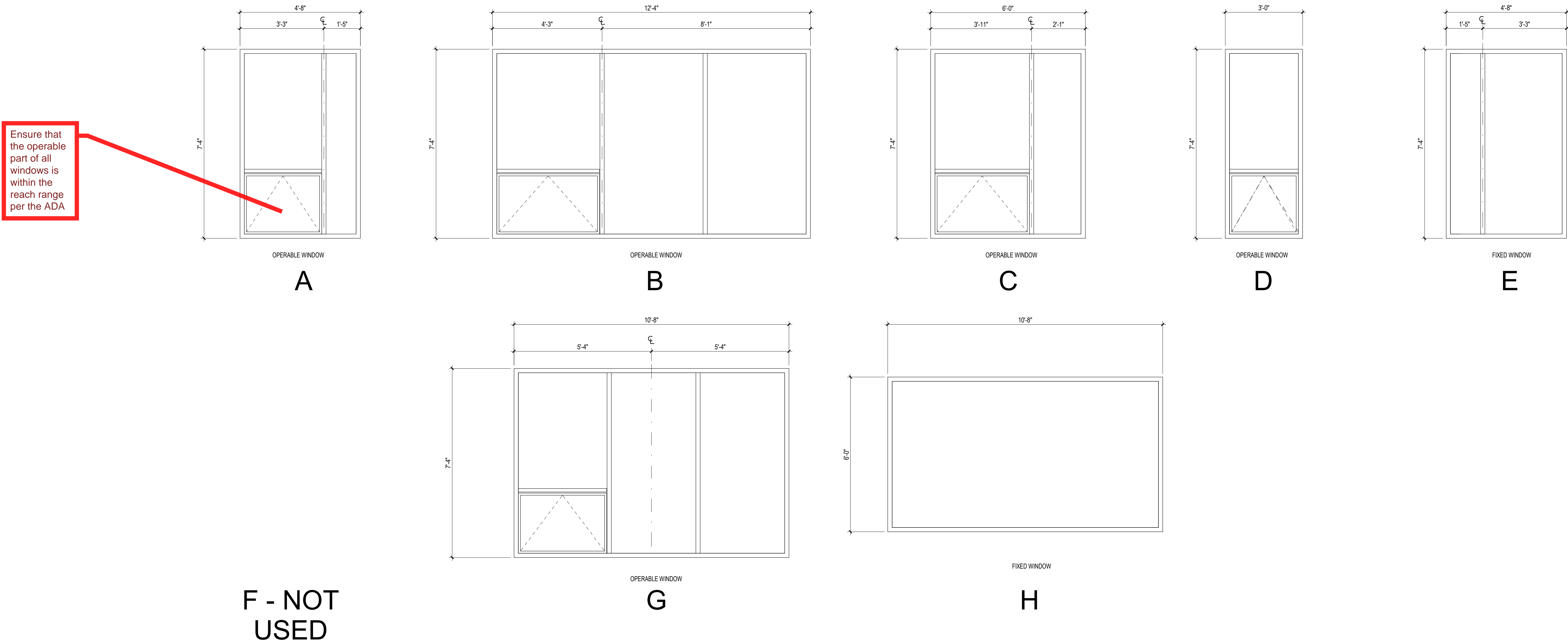
DOOR & FRAME TYPES & DETAILS

A-603



CONCORD MIDDLE
SCHOOL
835 OLD MARLBORO ROAD,
CONCORD, MA 01742

WINDOW TYPES



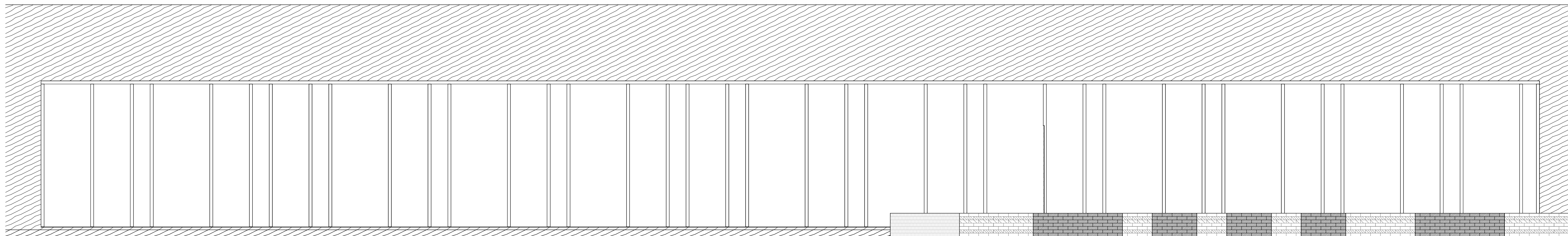
WINDOW TYPES

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

CURTAIN WALL TYPES:

CW-1 Double Height (10.5" Mullion Depth) - Triple Glazing (U-0.23 assembly, 0.14 IGU, SHGC 0.32)

CW-2 Single Height (7.5" Mullion Depth) - Triple Glazing (U-0.23 assembly, 0.14 IGU, SHGC 0.32)



CW Elevation

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

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MARK.	DATE:	DESCRIPTION:
ISSUE LOG		
△ = CLOUDED CHANGE		

SCALE	As indicated
DRAWN BY	NB
CHECK BY	WJS
PROJ. ARCH. ENGR.	
PROJ. MGR.	
JOB NO.	19153
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WINDOW AND
CURTAINWALL TYPES

B	C	E
A	D	F

NORTH

A-604

KEY PLAN



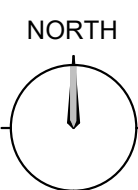
Concord Middle School

Enter address here

MARK: DATE: DESCRIPTION:
ISSUE LOG
△ = CLOUSED CHANGE

SCALE: As indicated
DRAWN BY: JCB
CHECK BY: ELC
PROJ. ARCH. ENGR.
PROJ. MGR.
JOB NO. Project Number
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AV SYSTEMS -
SYMBOLS AND
LEGENDS



AV-001

CONCORD MIDDLE SCHOOL AUDIOVISUAL SYSTEMS

NOTES FOR GENERAL CONTRACTOR:

1. VERIFY EXACT LOCATION OF AUDIOVISUAL DEVICES AND THEIR MOUNTING WITH ARCHITECTURAL DRAWINGS.
2. PROVIDE ALL MISCELLANEOUS MATERIALS IN ORDER TO PROVIDE A COMPLETE AND OPERABLE AUDIOVISUAL SYSTEM.
3. PROVIDE BLOCKING FOR WALL MOUNTED AUDIOVISUAL DEVICES AS INDICATED OR REQUIRED.
4. SUPPLY MILLWORK FOR AUDIOVISUAL SYSTEMS AS INDICATED OR REQUIRED.
5. PROVIDE ATTACHMENT POINTS AT SUPERSTRUCTURE FOR MOUNTING LOUDSPEAKERS, VIDEO PROJECTORS, ETC. AS REQUIRED.
6. AUDIOVISUAL BOXES SHALL NOT BE INSTALLED BACK TO BACK WITH ANY OTHER DEVICE IN A WALL WITHIN A GIVEN STUD BAY.

NOTES FOR ELECTRICAL CONTRACTOR:

1. ELECTRICAL CONTRACTOR SHALL PROVIDE A COMPLETE CONDUIT SYSTEM FOR THE AUDIOVISUAL SYSTEM, INCLUDING ALL CONDUITS, JUNCTION BOXES, CABLE TRAY, FLOOR BOXES, AND AUDIOVISUAL OUTLETS BOXES UNLESS OTHERWISE NOTED. REFER TO AUDIOVISUAL SYSTEM SYMBOL LEGEND AND CONDUIT RISER DIAGRAMS FOR DETAILS. AV DRAWINGS DO NOT SHOW ALL REQUIRED COMPONENTS FOR A COMPLETE SYSTEM (I.E. : PULL BOXES, CONDUIT FITTINGS, ETC.)
2. AC POWER, CONDUIT, AND TELECOMMUNICATION REQUIREMENTS SHOWN ON AUDIOVISUAL DRAWINGS ARE PROVIDED FOR COORDINATION AND REFERENCE ONLY AND ARE NOT PART OF THE AUDIOVISUAL CONTRACTOR'S SCOPE OF WORK.
3. SEE ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR AC POWER AND CONDUIT DETAILS.
4. SEE TELECOM (T) DRAWINGS AND SPECIFICATIONS FOR TELECOMMUNICATION DETAILS.
5. PROVIDE AN AC POWER SYSTEM FOR THE AUDIOVISUAL SYSTEM. AC SYSTEM INCLUDES A DEDICATED POWER PANEL WITH TRANSIENT VOLTAGE SURGE SUPPRESSORS, AND A SEPARATE ISOLATED GROUND.
6. AC POWER FOR GIVEN AUDIOVISUAL SYSTEM WILL BE FED FROM A COMMON AC PANEL WITH TRANSIENT VOLTAGE SURGE SUPPRESSION AND ON THE SAME PHASE.
7. EACH 120 VAC CIRCUIT SHALL BE 3-WIRE WITH A HOT, DEDICATED NEUTRAL, AND GROUND.
8. DEDICATED AC CIRCUITS TERMINATE IN THE AUDIOVISUAL EQUIPMENT RACKS UNLESS OTHERWISE INDICATED. AC CIRCUITS TERMINATE IN A RACEWAY SYSTEM PROVIDED BY THE AUDIOVISUAL CONTRACTOR.
9. INSULATE AUDIOVISUAL EQUIPMENT RACKS FROM INCOMING METAL CONDUITS WITH PVC TO EMT CONNECTOR IN TOP OF RACK OR USING OTHER APPROVED MEANS.
10. TELECOMMUNICATION AND AC POWER OUTLETS ARE TO BE MOUNTED ADJACENT TO ASSOCIATED AUDIOVISUAL DEVICES UNLESS OTHERWISE NOTED.
11. PROVIDE A COMPLETE CONDUIT SYSTEM FOR THE AUDIOVISUAL SYSTEM WITH A PULL LINE IN AUDIOVISUAL SYSTEM CONDUITS.
12. PROVIDE A PULLBOX IN AUDIOVISUAL SYSTEM CONDUIT RUNS OVER 100 FEET OR THAT CONTAIN MORE THAN (2) CONSECUTIVE 90° BENDS.
13. ALL CONDUITS CARRYING AUDIOVISUAL SYSTEM SIGNALS ARE NOT TO BE RUN PARALLEL TO POWER CONDUITS UNLESS THE SPACING EXCEEDS 2'-0" AND THE RUN IS LESS THAN 32'-0".
14. ALL CONDUITS CARRYING AUDIOVISUAL SYSTEM SIGNALS SHALL BE FERROUS METALS, BONDED TO GROUND EVEN IN OR BELOW SLABS. CONDUITS IN OR BELOW SLABS SHALL BE RIGID METALLIC CONDUITS. SEAL ALL JOINTS TO PREVENT LEAKING.
15. NO FLEX CONDUIT SHALL BE USED IN AUDIOVISUAL SYSTEMS UNLESS OTHERWISE NOTED.
16. ALL CONDUITS TO BE 3/4" UNLESS OTHERWISE NOTED.
17. THE BEND RADIUS OF ANY PORTION OF CONDUIT PATHWAY SHALL BE SIX TIMES THE INTERNAL DIAMETER OF THE CONDUIT FOR ALL CONDUITS 2" IN DIAMETER OR LESS.
18. VERIFY SIZE OF PULL BOXES AND JUNCTION BOXES WILL ACCEPT REQUIRED CONDUIT CONNECTIONS, AND SUPPLY LARGER BOXES IF REQUIRED.
19. ALL GANG BOXES ARE 2-1/2" DEEP WITH 13/16" GANG COVER FOR DRY WALL OR PLASTER WALL CONSTRUCTION, OR 3- 1/2" DEEP FOR MASONRY WALL CONSTRUCTION UNLESS OTHERWISE NOTED.
20. ALL AUDIOVISUAL SYSTEM CONDUIT STUBS SHALL BE TERMINATED WITH PLASTIC BUSHINGS AND SHALL BE STUBBED INTO ACCESSIBLE LOCATIONS.
21. ALL AUDIOVISUAL SYSTEM CONDUIT QUANTITIES AND SIZES HAVE BEEN CHOSEN BASED UPON SYSTEM REQUIREMENTS AND TO MAINTAIN SIGNAL SEPARATION. DO NOT COMBINE MULTIPLE RUNS INTO LARGER CONDUITS.

NOTES FOR AUDIOVISUAL CONTRACTOR:

1. VERIFY EXACT LOCATION OF AUDIOVISUAL DEVICES WITH ARCHITECTURAL DRAWINGS.
2. THE SIGNAL LEVEL SEPARATION INDICATED ON DRAWINGS (MICROPHONE, LINE, SPEAKER, INTERCOM, VIDEO, CONTROL, RF, AND AC) IS TO BE MAINTAINED.
3. NO SPLICES SHALL BE PERMITTED. ALL CABLE RUNS SHALL BE CONTINUOUS FROM POINT OF ORIGIN TO TERMINATION POINT.
4. WIRING ENTERING A PLENUM SPACE FROM A CONDUIT STUB SHALL BE PLENUM RATED IN ITS ENTIRETY.
5. AUDIOVISUAL SYSTEM CONTRACTOR PROVIDES MOUNTING HARDWARE AS REQUIRED TO ATTACH AUDIOVISUAL EQUIPMENT TO ATTACHMENT POINTS SUPPLIED BY THE GENERAL CONTRACTOR.
6. LAYOUTS OF EQUIPMENT RACKS, RECEPTACLE PLATES, AND PANELS ARE DIAGRAMMATIC. ACTUAL LAYOUTS AND LABELS SHALL BE SUBMITTED TO THE ARCHITECT AND THE AUDIOVISUAL CONSULTANT FOR APPROVAL PRIOR TO FABRICATION.
7. LAYOUTS OF MULTIPLE PLATES/PANELS ARE SIMILAR OR TYPICAL AS NOTED. VERIFY AND SUBMIT EXACT CONFIGURATION THAT DETAILS CONNECTORS AND LABELING SCHEME FOR ALL RECEPTACLE PANELS AND RACK PANELS WITH FUNCTIONAL DIAGRAM TO ARCHITECT AND AUDIOVISUAL CONSULTANT FOR APPROVAL PRIOR TO FABRICATION.
8. PROVIDE SECURITY COVERS FOR FRONT ACCESSIBLE CONTROLS THAT DO NOT REQUIRE USER ACCESS OR ADJUSTMENT.
9. SUPPLY AUDIOVISUAL EQUIPMENT RACKS WITH AC RECEPTACLES, LACING BARS, AND REAR RACK RAILS. USE SPECIFIED AC RECEPTACLES WITHIN AUDIOVISUAL EQUIPMENT RACKS.
10. PROVIDE NON-CONDUCTIVE FIRE-RATED PLINTH UNDER FIXED EQUIPMENT RACKS AND SECURE PLINTH TO FLOOR. PLINTH TO BE MASONITE OR SIMILAR.
11. EQUIPMENT RACK WIRING MUST MEET INDUSTRY STANDARDS FOR NEATNESS AND SEPARATION OF SIGNAL TYPES (MIC, LINE, VIDEO, LOUDSPEAKER, AC POWER).
12. PROVIDE ENGRAVED LABELS ON EQUIPMENT RACKS THAT CLEARLY INDICATE THE EQUIPMENT TYPE AND FUNCTION. SECURE LABELS BELOW EQUIPMENT ON VENT OR BLANK PANEL.
13. ALL CONNECTION PANELS ARE FINISHED 18" ALUMINUM ANODIZED WITH ENGRAVED LETTERING FILLED WITH ENAMEL PAINT. COORDINATE FINISH WITH ARCHITECT AND AUDIOVISUAL CONSULTANT PRIOR TO FABRICATION AND INSTALLATION OF PANELS.
14. RACK PANELS ARE FINISHED 18" ALUMINUM ANODIZED BLACK WITH ENGRAVED LETTERING FILLED WITH WHITE ENAMEL PAINT. COORDINATE FINISH WITH ARCHITECT AND AUDIOVISUAL CONSULTANT PRIOR TO FABRICATION AND INSTALLATION OF PANELS.
15. USE INSULATED JACKS ON RACK PANELS, CONNECTION PANELS, AND WALL PLATES.
16. PROVIDE FLUSH FITTING COVERS FOR ALL SURFACE MOUNT RECEPTACLE BOXES.

AV SHEET INDEX	
SHEET NUMBER	SHEET TITLE
AV-001	AV SYSTEMS - SYMBOLS AND LEGENDS
AV-002	AV SYSTEMS - INSTALLATION DETAILS I
AV-003	AV SYSTEMS - INSTALLATION DETAILS II
AV-101a	AV SYSTEMS - GROUND FLOOR PLAN - PART A
AV-102a	AV SYSTEMS - UPPER LEVEL FLOOR PLAN - PART A
AV-111a	AV SYSTEMS - GROUND FLOOR RCP - PART A
AV-112a	AV SYSTEMS - UPPER LEVEL RCP - PART A

Is an assistive listening system planned for rooms where sound will be amplified?

AUDIOVISUAL SYSTEMS SYMBOL LEGEND

SYMBOL	DESCRIPTION	BOX TYPE (H" x W" x D")	MOUNTING LOCATION	ADDITIONAL NOTES
AV JUNCTION BOX SYMBOLS				
A1	WIRELESS MICROPHONE ANTENNA, TYPE 1	2-GANG DEEP METAL BOX WITH COVER	FLUSH MOUNT IN WALL AT 13'-0" AFF UNLESS OTHERWISE NOTED	
A2	ASSISTED LISTENING ANTENNA, TYPE 1	2-GANG DEEP METAL BOX WITH COVER	FLUSH MOUNT IN WALL AT 13'-0" AFF UNLESS OTHERWISE NOTED	
C1	WALL-MOUNTED CAMERA, TYPE 1	4-11/16" SQUARE METAL BOX WITH COVER	FLUSH MOUNT IN WALL AT 6'-0" AFF	
D1	DISPLAY BACK BOX, TYPE 1	CHIEF PAC-###	FLUSH MOUNT IN WALL AT 2'-0" AFF	TELEDATA AND POWER REQUIREMENTS BY OTHERS
FF	FRONT FILL LOUDSPEAKER	1-GANG DEEP METAL BOX WITH COVER	CENTERED 0'-4" BELOW TOP OF STAGE FLOOR	
F1	FLOOR BOX, TYPE 1	TBD	FLUSH MOUNT IN FLOOR	TELEDATA AND POWER REQUIREMENTS BY OTHERS
F2	FLOOR BOX, TYPE 2	TBD	FLUSH MOUNT IN FLOOR	TELEDATA AND POWER REQUIREMENTS BY OTHERS
J1	JUNCTION BOX, TYPE 1	12"x12"x4" NEMA 1 ENCLOSURE WITH OVERSIZED FLUSH COVER	FLUSH MOUNT IN WALL AT 2'-0" AFF	
J2	JUNCTION BOX, TYPE 2	12"x12"x4" NEMA 1 ENCLOSURE WITH OVERSIZED FLUSH COVER	FLUSH MOUNT IN WALL AT 2'-0" AFF	
M1	CEILING-MOUNTED MICROPHONE, TYPE 1	1-GANG DEEP METAL BOX WITH COVER	FLUSH MOUNT IN CEILING	
M2	CEILING-MOUNTED MICROPHONE, TYPE 2	1-GANG DEEP METAL BOX WITH COVER	FLUSH MOUNT IN CEILING	
M3	CEILING-MOUNTED MICROPHONE, TYPE 3	1-GANG DEEP METAL BOX WITH COVER	FLUSH MOUNT IN CEILING	
MC	MOTOR CONTROLLER	4" SQUARE METAL BOX WITH COVER	RECESSED INTO CEILING AS PART OF PROJECTION SCREEN CASE	
PC	PRODUCTION COMMUNICATION	2-GANG DEEP METAL BOX WITH COVER	FLUSH MOUNT IN WALL AT SWITCH HEIGHT	
PS	PRODUCTION COMMUNICATION SPEAKER STATION	2-GANG DEEP METAL BOX WITH COVER	FLUSH MOUNT IN WALL AT SWITCH HEIGHT	
R1	RECEPTACLE PANEL, TYPE 1	12"x12"x4" NEMA 1 ENCLOSURE WITH OVERSIZED FLUSH COVER	FLUSH MOUNT IN WALL AT RECEPTACLE HEIGHT	
R2	RECEPTACLE PANEL, TYPE 2	10"x10"x4" NEMA 1 ENCLOSURE WITH OVERSIZED FLUSH COVER	FLUSH MOUNT IN WALL AT RECEPTACLE HEIGHT	
R3	RECEPTACLE PANEL, TYPE 3	4-GANG DEEP METAL BOX WITH COVER	FLUSH MOUNT IN WALL 2'-6" BELOW TOP OF STAGE FLOOR	
R4	RECEPTACLE PANEL, TYPE 4	3-GANG DEEP METAL BOX WITH COVER	FLUSH MOUNT IN WALL AT RECEPTACLE HEIGHT	
R5	RECEPTACLE PANEL, TYPE 5	3-GANG DEEP METAL BOX WITH COVER	FLUSH MOUNT IN WALL AT RECEPTACLE HEIGHT	
R6	RECEPTACLE PANEL, TYPE 6	6"x8"x4" NEMA 1 ENCLOSURE WITH OVERSIZED FLUSH COVER	FLUSH MOUNT IN WALL AT RECEPTACLE HEIGHT	
R7	RECEPTACLE PANEL, TYPE 7	2-GANG DEEP METAL BOX WITH COVER	FLUSH MOUNT IN WALL AT RECEPTACLE HEIGHT	
R8	RECEPTACLE PANEL, TYPE 8	3-GANG DEEP METAL BOX WITH COVER	FLUSH MOUNT IN WALL AT RECEPTACLE HEIGHT	
R9	RECEPTACLE PANEL, TYPE 9	2-GANG DEEP METAL BOX WITH COVER	FLUSH MOUNT IN WALL AT RECEPTACLE HEIGHT	
R10	RECEPTACLE PANEL, TYPE 10	3-GANG DEEP METAL BOX WITH COVER	FLUSH MOUNT IN WALL AT RECEPTACLE HEIGHT	
S1	WALL MOUNTED LOUDSPEAKER, TYPE 1	1-GANG DEEP METAL BOX WITH COVER	FLUSH MOUNT IN WALL AT 7'-0" AFF	
S2	CEILING LOUDSPEAKER, TYPE 2	CUSTOM BACKBOX	FLUSH MOUNT IN CEILING	
S3	CEILING LOUDSPEAKER, TYPE 3	CUSTOM BACKBOX	FLUSH MOUNT IN CEILING	
S4	WALL MOUNTED LOUDSPEAKER, TYPE 4	1-GANG DEEP METAL BOX WITH COVER	FLUSH MOUNT IN WALL AT 8'-0" AFF UNLESS OTHERWISE NOTED	
S5	CEILING LOUDSPEAKER, TYPE 5	CUSTOM BACKBOX	FLUSH MOUNT IN CEILING	
S6	CEILING LOUDSPEAKER, TYPE 6	CUSTOM BACKBOX	FLUSH MOUNT IN CEILING	
S7	CEILING LOUDSPEAKER, TYPE 7	CUSTOM BACKBOX	FLUSH MOUNT IN CEILING	
T1	WALL-MOUNTED TOUCH PANEL	3-GANG DEEP METAL BOX WITH COVER	FLUSH MOUNT IN WALL AT SWITCH HEIGHT	
V1	WALL-MOUNTED VIDEO PROJECTOR, TYPE 1	1-GANG DEEP METAL BOX WITH COVER	FLUSH MOUNT IN WALL AT 14'-0" AFF	
V2	CEILING-MOUNTED VIDEO PROJECTOR, TYPE 2	4" SQUARE METAL BOX WITH COVER	FLUSH MOUNT IN CEILING AT PROJECTOR	
V3	CEILING-MOUNTED VIDEO PROJECTOR, TYPE 3	4" SQUARE METAL BOX WITH COVER	FLUSH MOUNT IN CEILING AT PROJECTOR	
V4	CEILING-MOUNTED VIDEO PROJECTOR, TYPE 4	4" SQUARE METAL BOX WITH COVER	FLUSH MOUNT IN CEILING AT PROJECTOR	

SYMBOL	DESCRIPTION	BOX TYPE	MOUNTING LOCATION	ADDITIONAL NOTES
AV ELECTRICAL SYMBOLS (COORDINATION ONLY) NOTE: I.G. = ISOLATED GROUND RECEPTACLE				
	DUPLEX AC RECEPTACLE	1-GANG METAL BOX	FLUSH MOUNT IN WALL AT RECEPTACLE HEIGHT	
	DOUBLE DUPLEX AC RECEPTACLE	2-GANG METAL BOX	FLUSH MOUNT IN WALL AT RECEPTACLE HEIGHT	
	HARDWIRED AC POWER	PROVIDE JUNCTION BOX AS REQUIRED	HARDWARE TO AV DEVICE AS INDICATED	COORDINATE WITH AV DEVICE MANUFACTURERS SPECIFICATIONS
	CEILING MOUNTED DUPLEX AC RECEPTACLE	1-GANG METAL BOX	FLUSH MOUNT IN CEILING UNLESS OTHERWISE NOTED	
	CEILING MOUNTED DOUBLE DUPLEX AC RECEPTACLE	2-GANG METAL BOX	FLUSH MOUNT IN CEILING UNLESS OTHERWISE NOTED	
	CEILING MOUNTED HARDWIRED AC POWER	PROVIDE JUNCTION BOX AS REQUIRED	HARDWARE TO AV DEVICE AS INDICATED	COORDINATE WITH AV DEVICE MANUFACTURERS SPECIFICATIONS
	FLOOR MOUNTED DUPLEX AC POWER	PROVIDE JUNCTION BOX AS REQUIRED	FLUSH MOUNT IN FLOOR BOX	
	AV DISPLAY BOX DUPLEX AC RECEPTACLE	1 GANG DISPLAY BOX INSERT	MOUNT TO SIDE OF DISPLAY BOX	COORDINATE WITH AV AND TELEDATA
	AV FLOOR BOX DUPLEX AC RECEPTACLE	1 GANG FLOOR BOX INSERT	FLUSH MOUNT IN FLOOR BOX	COORDINATE WITH AV AND TELEDATA
	AV CEILING BOX DUPLEX AC RECEPTACLE	1 GANG CEILING BOX INSERT	MOUNT TO SIDE OF CEILING BOX	COORDINATE WITH AV AND TELEDATA
AV TEL/DATA SYMBOLS (COORDINATION ONLY)				
	DATA DROP	1-GANG METAL BOX	FLUSH MOUNT IN WALL AT RECEPTACLE HEIGHT	PROVIDE DROPS PER PROJECT STANDARD
	CEILING MOUNT ONE DATA DROP	1-GANG METAL BOX	FLUSH MOUNT IN CEILING	PROVIDE DROPS PER PROJECT STANDARD
	FLOOR BOX COMPONENT	1-GANG METAL BOX	FLUSH MOUNT IN FLOOR AS INDICATED	PROVIDE DROPS PER PROJECT STANDARD
	AV DISPLAY BOX TELEDATA OUTLET	1 GANG DISPLAY BOX INSERT	MOUNT TO SIDE OF DISPLAY BOX	PROVIDE DROPS PER PROJECT STANDARD
	AV FLOOR BOX TELEDATA OUTLET	1 GANG FLOOR BOX INSERT	FLUSH MOUNT IN FLOOR BOX	PROVIDE DROPS PER PROJECT STANDARD
	AV CEILING BOX TELEDATA OUTLET	1 GANG CEILING BOX INSERT	MOUNT TO SIDE OF CEILING BOX	PROVIDE DROPS PER PROJECT STANDARD