

RENDERINGS



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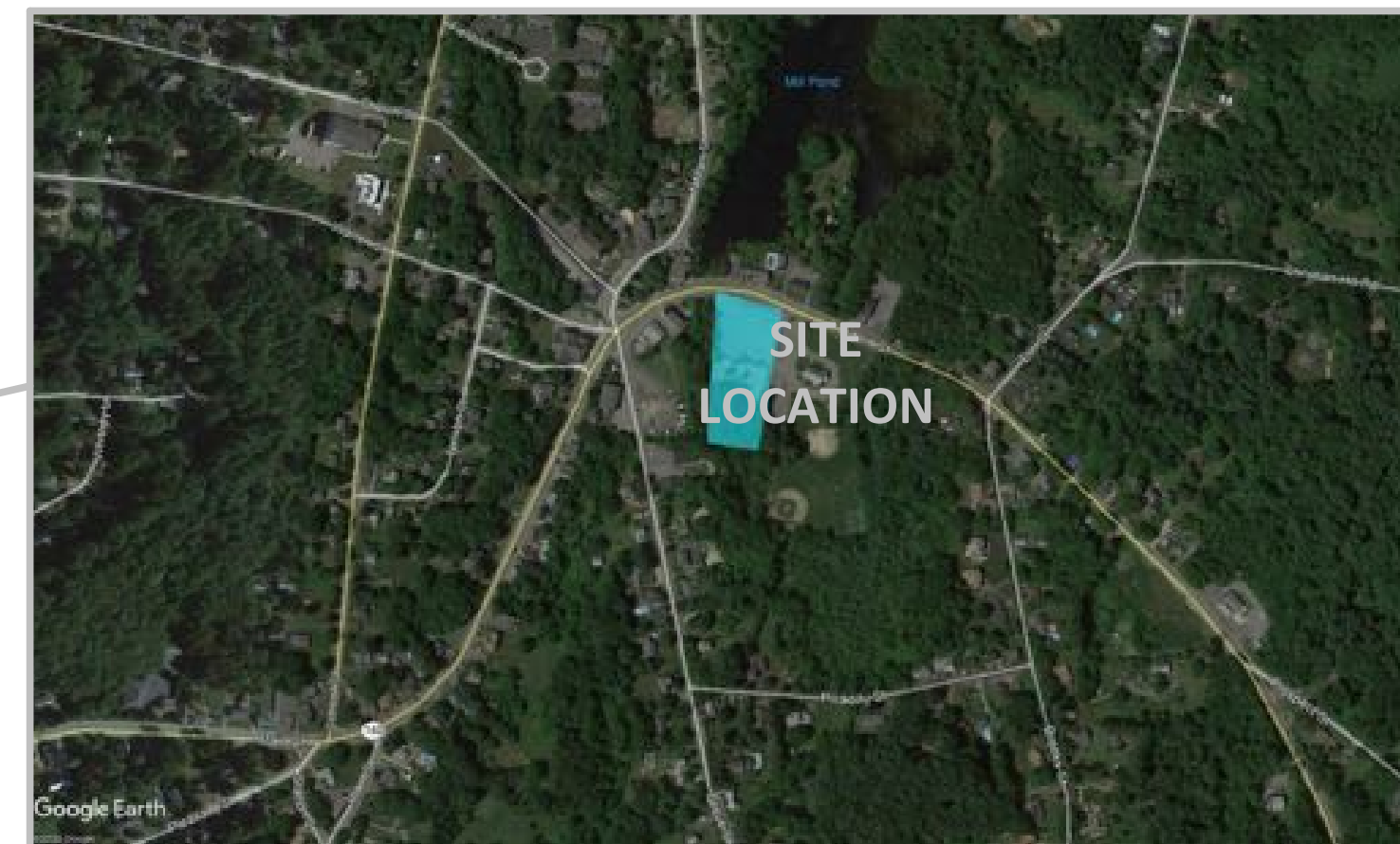
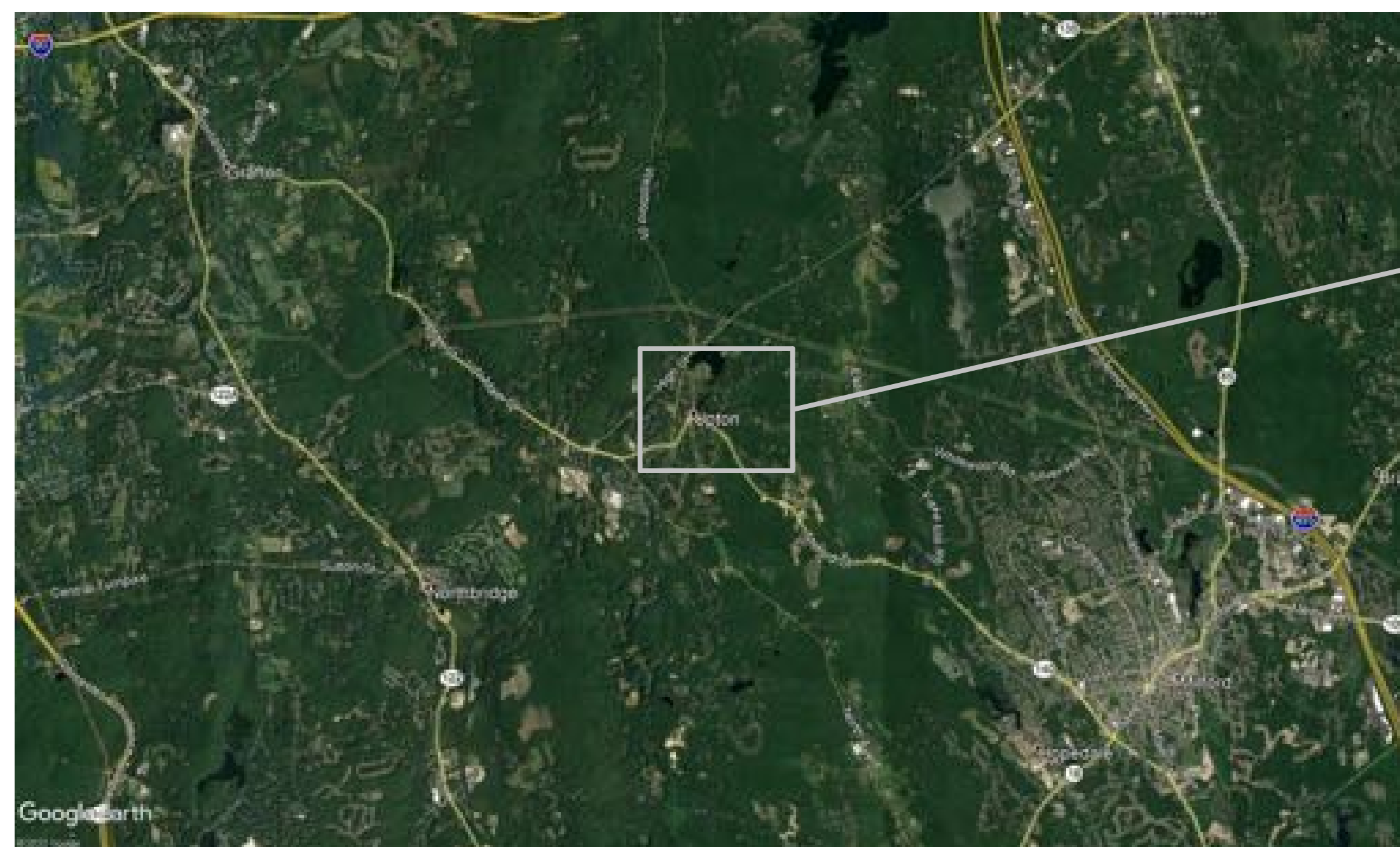
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EX.00	EXISTING CONDITIONS PLAN		

LOCATION



OPTIONAL LOCATION FOR JOB TRAILERS
& CONSTRUCTION STAGING @ THE
FORMER HOLY ANGELS CHURCH

UPTON COMMUNITY CENTER
9 MILFORD STREET, UPTON, MA 01568
100% CD-CONFORMANCE SET ADDENDA 1-4 INCORPORATED 10/6/2021

GENERAL NOTES

- THE TERM CONTRACTOR SHALL APPLY TO THE GENERAL CONTRACTOR AND EACH FILED SUB BID CONTRACTOR.
- ALL CLEAR DIMENSIONS APPLY TO FULL HEIGHT AND WIDTH OF WALLS. CONTRACTOR SHALL NOT ADJUST ANY DIMENSION MARKED "CLEAR" OR "GLZ" WITHOUT WRITTEN INSTRUCTION FROM THE ARCHITECT.
- DIMENSIONS SHOWN MAY BE TO FACE OF FINISH, FACE OF STUD, CENTERLINE OF STRUCTURE, FACE OF STRUCTURE OR CENTERLINE OF WALL. REVIEW NOTES ON SPECIFIC SHEETS/DETAILS FOR FURTHER CLARIFICATION.
- CONTRACTOR SHALL ADHERE TO ALL CODES, RULES, AND REGULATIONS GOVERNING CONSTRUCTION BUILDING ACCESS AND THE USE OF FACILITIES AS SET BY FEDERAL, STATE AND LOCAL CODES, BUILDING DEPARTMENT, AND THE BUILDING OWNER.
- CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING OF ANY DISCREPANCIES OR CONFLICTS IN THE DRAWINGS.
- THESE DRAWINGS ARE NOT TO BE SCALED FOR ANY REASON. CONTRACTOR SHALL SUBMIT AN RFI FOR ANY CLARIFICATION REQUIRED WITH REGARDS TO NOTED DIMENSIONS, OR DIMENSIONS NOT SHOWN.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD AND NOTIFY THE ARCHITECT IN WRITING OF ANY DISCREPANCIES PRIOR TO THE START OF WORK.
- LARGE SCALE DRAWINGS TAKE PRECEDENCE OVER SMALL SCALE DRAWINGS AT ALL TIMES UNLESS OTHERWISE NOTED.
- ALL STANDARD CONSTRUCTION SHALL CONFORM TO THE STANDARD DETAILS EXCEPT AS EXPLICITLY SUPERSEDED BY SPECIFIC DETAILS HEREIN.
- ALL EXPOSED GYPSUM BOARD EDGES SHALL HAVE METAL EDGE TRIM.
- ALL WOOD BLOCKINGS SHALL BE FIRE TREATED.
- ALL PARTITIONS SHALL BE BRACED TO THE STRUCTURE. ALL BRACING SHALL BE SHOWN AND NOTED ON THE SHOP DRAWINGS.
- THE CONTRACTOR SHALL COMPLY WITH CURRENT APPLICABLE LOCAL ORDINANCES FOR UTILITY SERVICES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UNDERGROUND UTILITIES, WHERE ENCOUNTERED, MAKE ALL NECESSARY ARRANGEMENTS FOR SUPPORT, SHORE-UP, REROUTE, OR UTILITY DISCONNECTIONS AS REQUIRED BY M.G.L. c82, s40A-E, AND APPLICABLE LOCAL OR PRIVATE UTILITY COMPANIES.
- CONTRACTOR SHALL TAKE CAUTION WHEN WORKING AROUND THE EXISTING UTILITIES AND UNDERGROUND LINES. AT ALL TIMES THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING THE SAFETY OF PERSONS AND PROPERTY, AND COMPLIANCE WITH ALL OSHA REGULATIONS UNTIL OCCUPANCY HAS OCCURRED. THE ARCHITECT'S JOB REVIEW DOES NOT COVER ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES.
- THE CONTRACTOR SHALL WARRANT THAT ALL MATERIALS AND WORKMANSHIP ARE IN COMPLIANCE WITH THE DRAWINGS AND SPECIFICATIONS AND ALL CHANGES HAVE THE ARCHITECTS APPROVAL.
- THE CONTRACTOR IS RESPONSIBLE TO COMPARE AND COORDINATE ALL DRAWING FOR PROPER FIT, FINISH, AND FOR ATTACHMENT OFF ALL PARTS. DETAILS NOT SHOWN, NOR DETAILED ON DRAWINGS, NOR CALLED FOR IN THESE NOTES, SHALL BE CONSTRUCTED TO THE SAME SIZE AND CHARACTER AS FOR SIMILAR CONDITIONS WHICH ARE SHOWN. DETAILED SPECIFICATIONS OR COMMONLY CONSTRUCTED IN THE INDUSTRY. THE CONTRACTOR SHALL CONFIRM MEP REQUIREMENTS FOR ALL EQUIPMENT FURNISHED AND INSTALLED UNDER THE GENERAL CONTRACT. CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES TO PROVIDE FUNCTIONAL AND DIMENSIONAL COMPATIBILITY BETWEEN ALL COMPONENTS. THE CONTRACTOR SHALL EXAMINE ALL CONSTRUCTION DOCUMENTS, SHALL VERIFY CONDITIONS AND DIMENSIONS, COORDINATE WITH WORK OF ALL OTHER TRADES, AND CHECK ALL LINES AND LEVELS INDICATED PRIOR TO STARTING WORK. SHOULD THERE BE ANY DISCREPANCIES, IMMEDIATELY REPORT TO THE ARCHITECT FOR CLARIFICATION. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF SEPARATE CONTRACTORS. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION AND REQUIRED CLEARANCES OF ALL EQUIPMENT. NO STRUCTURAL MEMBER SHALL BE OMITTED, NOTCHED, CUT, BLOCKED OUT, RELOCATED, OR OTHERWISE MODIFIED WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT.
- THE CONTRACTOR SHALL VERIFY ALL ROUGH-IN LOCATIONS AND REQUIREMENTS FOR ANY SPECIAL EQUIPMENT WITH TRADE CONTRACTOR, AND THE SUPPLIER OF SUCH EQUIPMENT.
- THE GENERAL CONTRACTOR AND EACH FILED SUB BIDDER SHALL COORDINATE HIS WORK WITH THAT OF THEIR SEPARATE CONTRACTORS. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION AND REQUIRED CLEARANCES OF THE EQUIPMENTS. NO STRUCTURAL MEMBER SHALL BE OMITTED, NOTCHED, CUT, BLOCKED OUT, RELOCATED, OR OTHERWISE MODIFIED WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT.
- THE GENERAL CONTRACTOR AND EACH FILED SUB BIDDER OF EACH TRADE SHALL KEEP THE PREMISES CLEAN AT ALL TIMES AND SHALL REMOVE ALL RUBBISH AS OFTEN AS REQUIRED FOR THE CONSTRUCTION AND FOR CONVENIENCE OF THE OWNER.
- PROTECTIVE MEASURES SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT ADJACENT PROPERTY AT ALL TIMES DURING CONSTRUCTION. PROTECTIVE MEASURES SHALL BE TAKEN BY THE CONTRACTOR SO AS TO NOT CAUSE ANY MUD, SILT, OR DEBRIS ONTO PUBLIC OR ADJACENT PROPERTY.
- ALL TEMPORARY BRACING AND SHORINGS SHALL BE DESIGNED TO SUSTAIN ALL CONSTRUCTION LOADS, SOIL PRESSURE, LATERAL AND OTHER LOADS TO WHICH THE STRUCTURE MAY BE SUBJECTED. CONTRACTOR IS RESPONSIBLE TO HAVE ALL TEMP SHORING OR BRACING DESIGNED BY A LICENSED PE, PRIOR TO ENABLING IN CONSTRUCTION OPERATIONS. ALL WORK SHALL BE PERFORMED IN AN APPROVED WORKMAN-LIKE MANNER.
- ALL LUMBER IN CONTACT WITH CONCRETE, MASONRY, STEEL, SOIL, GRADE, OR ANY DAMP OR WET LOCATIONS, SHALL BE PRESURE TREATED.
- ANY GLAZING LOCATED WITHIN 24" OF THE EDGE OF ANY DOOR, OR WITHIN 60" FROM THE FLOOR SHALL BE CONSIDERED HAZARDOUS LOCATIONS AND RECEIVE SAFETY GLAZING IN ACCORDANCE WITH IBC 2406. ANY WINDOW GLAZING LOCATED WITHIN 18" OF THE FLOOR, OR MORE THAN 36" FROM THE FLOOR, OR LARGER THAN 9 SQFT, OR WITHIN 64" HORIZONTALLY OF ANY WALKING SURFACE SHALL BE CONSIDERED HAZARDOUS LOCATIONS, AND RECEIVE SAFETY GLAZING IN ACCORDANCE WITH IBC 2406.
- ALL REVISIONS TO THE DRAWINGS MUST PROCEED THROUGH THE ARCHITECT. OWNER/ CONTRACTOR REVISIONS WITHOUT THE APPROVAL OF THE ARCHITECT MAY BE CONSIDERED INVALID.
- ALL PARTITION FRAMING AND GYP BOARD SHALL BE CONTINUOUS TO UNDERSIDE OF DECK UNLESS OTHERWISE NOTED.
- ALL MID LEVEL LANDINGS BETWEEN FLOORS SHALL RECEIVE RUBBER FLOORING. ALL LANDINGS AT FLOOR LEVEL SHALL RECEIVE FINISHES AS SCHEDULED.
- CONTRACTOR TO COORDINATE LARGE SCALE DRAWINGS WITH DIMENSIONS ON SMALL SCALE DRAWINGS.
- REFER TO INTERIOR ELEVATIONS FOR LAYOUT/DIMENSIONS OF ALL CASEWORK DESIGNATED ON PLANS.
- SEE STRUCTURAL DRAWING FOR RECESSED SLAB AT ENTRANCE MATS, EXPANSION JOINTS, BATHROOMS, WATER COOLERS, KITCHEN EQUIPMENT, AND OTHER LOCATIONS WHERE FLOOR TILE IS PRESENT, OR WHERE NOTED AS A RECESS IN FLOOR SLAB.
- ALL VERTICAL PENETRATIONS THROUGH FLOOR SLABS, INCLUDING PIPES, DUCTS, AND CONDUIT ARE TO BE FULLY FIRESTOPPED EVEN WHEN ENCLOSED IN A CHASE. ALL TRADES AND FILED SUB BIDDERS SHALL ADHERE TO AND REFER TO SPECIFICATION SECTION 07 84 13 PENETRATION FIRESTOPPING FOR ANY PENETRATION THROUGH RATED WALL, FLOOR, OR CEILING ASSEMBLIES.
- VERIFY MECHANICAL AND PLUMBING CHASE DIMENSIONS WITH THE REQUIREMENTS OF THOSE DIVISIONS. WHEN A CHASE IS BUTTED TO CASEWORK CONSTRUCT THE BUTT WALL TO THE FINISH DIMENSIONS OF THE CASEWORK CREATING A CLEAN AND FLUSH JOINT.
- AT ALL WALL TYPES WITH CERAMIC TILE THE MOISTURE RESISTANT GYPSUM BOARD IS ON THE PORTION OF THE WALL ABOVE THE CERAMIC TILE. CEMENTITIOUS TILE BACKER BOARD SHALL BE USED BEHIND ALL BATHROOM, WATER COOLER, OR OTHER DAMP OR WET WALL TILE LOCATIONS.
- ANY EXPOSED OR SURFACE MOUNTED PIPING, CONDUITS, DUCTWORK, OR STRUCTURE, NOT LOCATED WITHIN A CONCEALED SPACE, WHETHER NOTED ON DRAWINGS OR NOT, SHALL BE PAINTED.
- ANY PENETRATION THROUGH ANY FLOOR, WALL, OR CEILING, SHALL BE FIRESTOPPED, EVEN IF ASSEMBLIES ARE UNRATED. THE MINIMUM RATting FOR ANY FIRESTOPPING PENETRATION SHALL BE 1 HOUR.
- REFER TO STRUCTURAL DRAWINGS FOR SIZES OF ALL STRUCTURAL MEMBERS.
- PROVIDE FULL FIRESTOPPING AT ALL JUNCTIONS OF RATED WALL ASSEMBLY WITH FLOOR/ ROOF DECK. REFER TO SPECIFICATION SECTION 07 84 46 FIRE RESISTIVE JOINT SYSTEMS.
- GLAZING RABBETS ARE TO BE MADE ON ENCLOSED ROOM SIDE OF INTERIOR FRAMES AND EXTERIOR SIDE OF EXTERIOR FRAMES UNLESS OTHERWISE NOTED.
- BUILD ALL NECESSARY REINFORCING INTO FRAMES FOR HARDWARE AND AS SHOWN FRAME ELEVATIONS, DETAILS & WALL SECTIONS. PROVIDE 1"x5/8" GLAZING STOPS AS REQUIRED AT A MINIMUM, UNLESS NOTED OTHERWISE IN DRAWING DETAILS.
- COORDINATE WITH SECURITY AND ELECTRICAL DRAWINGS FOR SWITCHES AND OTHER ITEMS REQUIRING CUT OUTS IN FRAMES, DOORS, WINDOWS, AND PARTITION FRAMING ADJACENT TO THESE OPENINGS.
- CONTINUOUS REINFORCING CHANNEL IN HEADS OF ALL FRAMES WITH PLASTER OR GYPSUM PARTITION ABOVE. ALL FRAMES SHALL BE REINFORCED AS SHOWN OR AS REQUIRED BY THE HOLLOW METAL MANUFACTURER'S ASSOCIATION OR THE NATIONAL ASSOCIATION OF ARCHITECTURAL METAL MANUFACTURERS.
- ALL HOLLOW METAL DOOR AND SIDE LIGHT FRAMES - PROVIDE STYROFOAM BOX CUTS AT ALL DOOR MUTE LOCATIONS. REFER TO DOOR AND FRAME DETAILS FOR INFORMATION. FRAMES IN GYP WALLS SHALL BE FILLED WITH MINERAL WOOL.
- ALL MODEL NAMES AND MANUFACTURERS ARE NOTED TO ESTABLISH LEVEL OF QUALITY, AND DESIGN REQUIREMENTS. SEE SPECIFICATION FOR DETAILED PRODUCT INFORMATION. EVERY PRODUCT NAME SHALL BE ASSUMED TO INCLUDE 'OR EQUAL'.
- UNLESS OTHERWISE NOTED, LOCATE OUTSIDE AIR INTAKE OPENINGS A MINIMUM OF 25 FEET FROM ANY HAZARD OR NOXIOUS CONTAMINANTS SUCH AS CHIMNEYS, PLUMBING VENTS, COOLING TOWERS, STREETS, ALLEYS, PARKING LOTS, AND LOADING DOCKS. WHEN AN AIR INTAKE MUST BE WITHIN 25' OF A CONTAMINANT SOURCE, THE OPENING SHALL BE A MINIMUM OF 2' BELOW THE CONTAMINANT SOURCE AND 10' HORIZONTALLY FROM THE NEAREST EDGE OF THE AIR INTAKE TO THE NEAREST EDGE OF THE CONTAMINANT SOURCE. ALL INTAKES MUST BE 6" ABOVE LANDSCAPE GRADE, INCLUDING SOIL, LAWN, SHRUBS, OR PLANT LIFE WITHIN 1'-6" HORIZONTALLY FROM THE INTAKE. CONTRACTOR SHALL LOCATE ALL OPENINGS ON THE SHOP DRAWINGS, AND SHALL CONFIRM WITH ARCHITECT. ALL FINAL LOCATIONS, PRIOR TO PLACEMENT.

47. ALL WALL SECTIONS AND DETAILS MAY NOT SHOW THE REQUIRED PLYWOOD AS THEY MAY BE GENERAL, NOT SPECIFIC TO SHEARWALL LOCATIONS. G-C TO COORDINATE ALL REQUIREMENTS FOR SHEAR WALLS PER STRUCTURAL DRAWINGS S1.00, S1.01, S1.02 WITH ALL ARCHITECTURAL DRAWINGS.

48. PROVIDE 1/4" BACKER ROD & SEALANT @ ABUTTING JOINTS OF DISSIMILAR FINISH MATERIALS WHETHER SHOWN ON DETAILS OR NOT THROUGHOUT THE BUILDING.

ABBREVIATIONS

- | | |
|-----------------|--|
| AB | AIR BARRIER |
| A/C | AIR CONDITIONING |
| ACT | ACOUSTICAL CEILING TILES |
| ADI | ADJACENT/ ADJUST |
| AFF / A.F.F. | ABOVE FINISH FLOOR |
| ALT | ALTERNATE |
| ALUM | ALUMINUM |
| AN | ANODIZED |
| ANOD | ANODIZED |
| APPOX | APPROXIMATE |
| ARCH | ARCHITECT/ ARCHITECTURAL |
| AR GWB. | ABUSE RESISTANT GYPSUM WALLBOARD |
| AVB | AIR/ VAPOR BARRIER |
| B.O. | BOTTOM OF |
| BLD | BUILDING |
| BLOG | BLOCKING |
| BLK'G | BLOCKING |
| BM | BEAM |
| BOT | BOTTOM |
| BTWN | BETWEEN |
| CCSPF | CLOSED CELL SPRAY FOAM INSULATION |
| CD | CONSTRUCTION DOCUMENTS |
| CEM | CEMENT/CEMENTITIOUS |
| CG | CROSS GRAIN |
| CH | CONVECTOR HEATER |
| CI | CONTROL JOINT |
| CLG | CEILING |
| CLR | CLEAR |
| CMU | CONCRETE MASONRY UNIT |
| CMU, GF | CMU, GROUND FACE |
| CMU, PTD. #1 | CMU, PAINTED FINISH |
| CMU, PTD. #2 | CMU, EPOXY PAINTED |
| COL | COLUMN |
| CONC | CONCRETE |
| CONT | CONTINUOUS |
| COORD | COORDINATE |
| CORR | CORRIDOR |
| CP | CARPET |
| CPT | CARPET TILE |
| CT | CERAMIC TILE |
| CTR | CENTER |
| CW | CURTAIN WALL |
| DIA | DIAMETER |
| DN | DIMENSION |
| DN | DOWN |
| DN | DOWN |
| DN | DOWN |
| DTM | DROP-THROUGH MAT |
| DWG | DRAWING |
| EA | EACH |
| EG | END GRAIN |
| EJ | EXPANSION JOINT |
| ELEC | ELECTRICAL |
| ELEV | ELEVATION/ ELEVATOR |
| EMER | EMERGENCY |
| EPDM | RUBBER MEMBRANE |
| EPO | EMERGENCY POWER OFF SWITCH |
| EPOXY | EPOXY COATING |
| EPS | EXPANDED POLYSTYRENE |
| EQ | EQUAL |
| FSB | FILED-SUB BID |
| ETR | EXISTING TO REMAIN |
| EWG | ELECTRIC WATER COOLER |
| EXP | EXPOSED |
| EXP-AC | EXPOSED ACOUSTIC DECK AND STRUCTURE |
| EXG | EXISTING |
| EXT'G, EX'G (E) | EXISTING |
| F.I.B.O. | FURNISHED AND INSTALLED BY OTHERS |
| FACP | FIRE ALARM CONTROL PANEL |
| FD | FLOOR DRAIN |
| FOUND | FOUNDATION |
| FE | FIRE EXTINGUISHER |
| FEC | FIRE EXTINGUISHER CABINET |
| FFE | FINISH FLOOR ELEVATION |
| FFRE | FURNITURE, FIXTURES, & EQUIPMENT |
| FG | FIBERGLASS |
| FIN | FINISH |
| FLR | FLOOR |
| FR | FIRE PROTECTION |
| FR GWB. | TYPE "X" FIRE RESISTANT GYPSUM WALLBOARD |
| FSB | FILED SUB-BIDDER |
| FT | FOOT/FEET |
| FTG | FOOTING |
| FURN | FURNITURE |
| GA | GUAGE |
| GALV | GALVANIZED |
| GB | GLAZED BLOCK |
| GB | GLAZED BLOCK |
| GB | GLAZED BLOCK |
| GBC | GYPSUM BOARD CEILING |
| GC | GENERAL CONTRACTOR |
| GD | GRAPHICS - DIMENSIONAL LETTERS |
| GM | W/ WITHOUT |
| GP | GRAPHICS - PHENOLIC PANEL |
| GV | GRAPHICS - VINYL LETTERING |
| GWB | GYPSUM WALLBOARD |
| GYP | GYPSUM WALLBOARD |
| GYP, PTD. | GYPSUM WALLBOARD W/ PAINTED FINISH |
| HAZ MAT | HAZARDOUS MATERIALS |
| HGT | HEIGHT |
| HM | HOLLOW METAL |
| HOR | HORIZONTAL |
| HPP | HIGH PERFORMANCE PAINT |

- | | |
|--------------|---|
| HS | HAND SANITIZER DISPENSER |
| HSS | HOLLOW STEEL SECTION |
| HVAC | HEAT, VENTILATION & AIR CONDITIONING (MECHANICAL) |
| ICF | INSULATED CONCRETE FORM |
| INCL | INCLUDES/INCLUDING |
| INSUL | INSULATION |
| IRWC | IMPACT-RESISTANT WALL COVERINGS |
| IT GLAZING | INSULATED TEMPERED GLAZING |
| IWB | INTERACTIVE WHITEBOARD/ MARKERBOARD |
| LCT | LINE/LEIM COMPOSITION TILE |
| MACH | MACHINE |
| MANUF | MANUFACTURER |
| MAX | MAXIMUM |
| MC | METAL COLOR |
| MDF | MEDIUM DENSITY FIBERBOARD |
| ME | MATCH EXISTING |
| MECH | MECHANICAL |
| MEP | MECHANICAL, ELECTRICAL, PLUMBING, & FIRE PROTECTION |
| MIN | MINIMUM |
| MISC | MISCELLANEOUS |
| MO | MASONRY OPENING |
| MR | MOISTURE RESISTANT |
| MR GWB. | MOISTURE RESISTANT GYPSUM WALLBOARD |
| MTL | METAL |
| N.I.C. | NOT IN CONTRACT |
| N/A | NOT APPLICABLE |
| NOM | NOMINAL |
| NTS | NOT TO SCALE |
| OC | ON CENTER |
| OFCI | OWNER FURNISHED, CONTRACTOR INSTALLED |
| OFOI | OWNER FURNISHED, OWNER INSTALLED (G.C. TO COORDINATE REQUIRED BLOCKING) |
| OFRNC | OWNER FURNISHED, NOT IN CONTRACT |
| OFF | OFFICE |
| OH | OPPOSITE HAND |
| OHD | OVERHEAD DOOR |
| OPP | OPPOSITE |
| PD | PAPER TOWEL DISPENSER |
| P.LAM, PLAM | PLASTIC LAMINATE |
| POLY | POLYETHYLENE |
| POLYISO | POLYISOCYANURATE |
| PT | PRESSURE TREATED |
| PTD | PAINTED |
| RCP | REFLECTED CEILING PLAN |
| RD | ROOF DRAIN |
| RD | RADIANT PANEL |
| REF | REFERENCE |
| REIN | REINFORCING |
| REQ'D | REQUIRED |
| REV | REVISION |
| RO | ROUGH OPENING |
| RSN | RESINOUS |
| SAB | SOUND ATTENUATING BATT INSULATION |
| SAFB | SOUND ATTENUATING FIRE BATT INSULATION |
| SCF | SUN CONTROL FILM |
| SECT | SECTION |
| SF | SQUARE FOOT |
| SFRM | SPRAY FIRE-RESISTANT MATERIAL |
| SHT | SHEET |
| SIM | SIMILAR |
| LT | LINOLEUM TILE |
| SLD | CONC. CONCRETE, EPOXY PAINTED (STAIN BEFORE SEALING) |
| SP | SPRAY POLYURETHANE FOAM INSULATION |
| SS | STAINLESS STEEL |
| STC | SOUND TRANSMISSION CLASS |
| STL | STEEL |
| STOR | STORAGE |
| STRUCT | STRUCTURE/ STRUCTURAL |
| STRUCT, PTD. | OPEN TO STRUCTURE, PAINTED FINISH |
| SUSP | SUSPEND/SUSPENDED |
| SWR | SEMI-RECESSED WASTER RECEPTACLE |
| SV | SHEET VINYL |
| TB | TACK BOARD |
| TST | TACK STRIP |
| TSU | TACK SURFACE |
| TFL | THERMALLY FUSED LAMINATE |
| T GLAZING | TEMPERED GLAZING |
| T&G | TONGUE & GROOVE |
| T.O. | TOP OF |
| TP | TOILET PAPER DISPENSER |
| TPO | THERMOPLASTIC MEMBRANE |
| TY | TYPICAL |
| UNFIN | UNFINISHED |
| UNO | UNLESS OTHERWISE NOTED |
| UNO | UNLESS NOTED OTHERWISE |
| VB | VINYL BASE |
| VCT | VINYL COMPOSITION TILE |
| VERT | VERTICAL |
| VEST | VESTIBULE |
| VIF | VERIFY IN FIELD |
| W/ | WITH |
| W/ | WITHOUT |
| WB | WHITEBOARD/ MARKERBOARD |
| WD | WOOD |
| WDC | WATERPROOFING, DAMPPROOFING AND CAULKING |
| WF | WIDE FLANGE |
| WM | WALK-OFF MAT |
| WP | WALL PHONE |
| WS | WINDOW SHADE |
| XPS | EXTRUDED POLYSTYRENE |

SYMBOLS & LEGEND

- | | | | |
|--|---------------------|----------------------------------|--|
| | BUILDING SECTION | Room Name
[101] | ROOM TAG |
| | WALL SECTION | 1'
1'-0" A.F.F. | CEILING TYPE TAG |
| | DETAIL/PLAN CALLOUT | A6.0
INSTANCE | WALL TYPE TAG - SEE DETAIL FOR WALL TYPE MAKEUP; SEE LAYOUT PLANS FOR LOCATIONS |
| | ELEVATION TAG | [101]
INSTANCE | DOOR TAG - SEE PROJECT MANUAL FOR DOOR SCHEDULE AND REFERENCES TO DOOR DETAILS |
| | SPOT/ELEVATION TAG | (A)
TYPE | EXTERIOR WINDOW TAG - SEE DETAIL FOR WINDOW TYPES; SEE LAYOUT PLANS & EXTERIOR ELEVATIONS FOR LOCATIONS |
| | NORTH ARROW | W100.1 (IA)
INSTANCE | INTERIOR WINDOW TAG SEE DETAIL FOR WINDOW TYPES & SCHEDULE; SEE LAYOUT PLANS & INTERIOR ELEVATIONS FOR LOCATIONS |
| | GRID LINE | DC100.1 (OCA)
INSTANCE | DISPLAY CASE TAG SEE DETAIL FOR DISPLAY CASE TYPES & SCHEDULE; SEE LAYOUT PLANS & INTERIOR ELEVATIONS FOR LOCATIONS |
| | | SF100.1 (SFA)
INSTANCE | STOREFRONT/CURTAINWALL TAG - SEE SHEETS A8.20 & A8.21 FOR STOREFRONT & CURTAINWALL TYPES; SEE LAYOUT PLANS, EXTERIOR & INTERIOR ELEVATIONS FOR LOCATIONS |
| | | (X) | FIRE EXTINGUISHER TAG - SEE FIRE EXTINGUISHER LEGEND FOR SPECIFIC TYPES |

[GD-X] GRAPHICS TAG - DIMENSIONAL LETTERS SEE SHEET A7.70 FOR GRAPHICS SCHEDULE; SEE INTERIOR & EXTERIOR ELEVATIONS FOR LOCATIONS

[GM-X] GRAPHICS TAG - MURAL SEE SHEET A7.70 FOR GRAPHICS SCHEDULE; SEE INTERIOR ELEVATIONS FOR LOCATIONS

[GP-X] GRAPHICS TAG - PHENOLIC PANEL SEE SHEET A7.70 FOR GRAPHICS SCHEDULE; SEE INTERIOR ELEVATIONS FOR LOCATIONS

[GV-X] GRAPHICS TAG - VINYL LETTERING SEE SHEET A7.70 FOR GRAPHICS SCHEDULE; SEE INTERIOR & EXTERIOR ELEVATIONS FOR LOCATIONS

[M1-24] MILLWORK TAG - SEE INTERIOR ELEVATIONS FOR LOCATIONS

[WB-X] VISUAL DISPLAY TAG - MARKERBOARD - SEE MILLWORK PLANS & INTERIOR ELEVATIONS FOR LOCATIONS

[TB-4] VISUAL DISPLAY TAG - TACKBOARD - SEE MILLWORK PLANS & INTERIOR ELEVATIONS FOR LOCATIONS

[WB-4] VISUAL DISPLAY TAG - MARKERBOARD WITH ASSOCIATED PROJECTOR - SEE MILLWORK PLANS & INTERIOR ELEVATIONS FOR LOCATION; SEE DETAIL



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2	Addendum	9/27/20
	02	021

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100% CD-COMFORMANCE SET ADDENDA 1-4 INCORPORATED 10/6/2021

TITLE:
GENERAL NOTES AND ABBREVIATIONS

JOB NUMBER:
20-05

DRAWN BY:
Author

CHECKED BY:
Checker

DATE:
9/8/2021

SCALE:
As indicated

SHEET NO.:

GO.00

FIRE EXTINGUISHER LEGEND

	MULTIPURPOSE DRY-CHEMICAL TYPE IN STEEL CONTAINER UL RATED 4-A-B0-B-C, 10LB (RECESSED CABINET)
	WET CHEMICAL TYPE IN STAINLESS STEEL CONTAINER UL RATED 2-A-K (WALL HOOK)

CODE & ACCESSIBILITY ANALYSIS

FOLLOWING IS A LIST OF APPLICABLE CODES:

- BUILDING:**
780 CMR, 9TH EDITION - MA STATE CODE BUILDING CODE
2015 INTERNATIONAL BUILDING CODE (IBC) W/ MA AMENDMENTS
- FIRE PREVENTION:**
527 CMR - MA FIRE PREVENTION REGULATIONS
2015 NFPA 1 W/ MA AMENDMENTS
M.G.L. CHAPTER 148 SECTION 26G - SPRINKLER PROTECTION

- ACCESSIBILITY:**
521 CMR: MASSACHUSETTS ARCHITECTURAL ACCESS BOARD REGULATIONS
- ELECTRICAL:**
527 CMR 12.00 - MA STATE ELECTRIC CODE
AMENDED 2002 NATIONAL ELECTRICAL CODE (NFPA 70)
- MECHANICAL:**
2015 INTERNATIONAL MECHANICAL CODE (IMC)
- PLUMBING:**
248 CMR 10.00 - MA PLUMBING & FUEL GAS CODE
- ENERGY:**
2018 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)

1. OCCUPANCY CLASSIFICATION:

- USE GROUP A-2 (LARGE PROGRAM ROOM / CAFETERIA, AND COMMERCIAL KITCHEN)
- USE GROUP A-3 (LIBRARY, SMALL GROUP ROOM, LOUNGES, EXERCISE ROOM, LOBBY, AND WAITING AREAS)
- USE GROUP B (OFFICES, CONFERENCE ROOM)
- USE GROUP S-1 (STORAGE)

FOR THE PURPOSE OF THIS REPORT, IT HAS BEEN ASSUMED THAT THE LARGE GROUP ROOM WILL BE USED FOR GROUP DINING EVENTS AND THEREFORE MUST BE CONSIDERED A USE GROUP A-2 OCCUPANCY RATHER THAN PART OF THE PRIMARY USE GROUP A-3 OCCUPANCY (IBC 303.3). AS INDICATED IN THE TABLE BELOW, THE PROPOSED BUILDING AREA WILL NOT EXCEED THE ALLOWED LIMIT FOR TYPE VB CONSTRUCTION.

2. HEIGHT AND AREA LIMITATIONS:

- REFER TO TABLES 504.3, 504.4, 506.2 FOR TYPE VB CONSTRUCTION - FULLY SPRINKLERED FOR THE HEIGHT AND AREA LIMITATIONS FOR USE GROUPS A-2, A-3, AND B BASED ON TYPES VB CONSTRUCTION:

3. FIRE DEPARTMENT ACCESS

ALL NEWLY CONSTRUCTED FACILITIES, BUILDINGS, OR PORTIONS THEREOF ARE REQUIRED TO BE PROVIDED WITH A FIRE DEPARTMENT ACCESS ROAD WHICH MAY CONSIST OF ROADWAYS, FIRE LANES, PARKING LOT LANES, OR SOME COMBINATION THEREOF (527 CMR 1 SECTION 18.2.3.1). THESE ACCESS ROADS MUST HAVE THE FOLLOWING FEATURES:

- MUST EXTEND TO WITHIN 50' OF AN EXTERIOR DOOR THAT CAN BE OPENED FROM THE OUTSIDE AND PROVIDE ACCESS TO THE INTERIOR OF THE BUILDING.
- NO PORTION OF THE FACILITY OR EXTERIOR WALL ON THE FIRST STORY OF A BUILDING IS GREATER THAN 250' FROM FIRE DEPARTMENT ACCESS ROADS MEASURED ALONG AN APPROVED ROUTE.
- MULTIPLE ACCESS ROADS CAN BE REQUIRED BY THE AHI IF IT IS DETERMINED THAT A SINGLE ROAD CAN BE SIGNIFICANTLY IMPAIRED BY EXTERNAL FACTORS.
- UNOBSTRUCTED MINIMUM WIDTH OF 20' UNLESS CONSTRUCTED BOULEVARD-STYLE WHICH A 10' MINIMUM WIDTH IS PERMITTED.
- UNOBSTRUCTED VERTICAL CLEARANCE OF 13'-0".

THE PROPOSED BUILDING WILL BE PROVIDED WITH FIRE DEPARTMENT VEHICLE ACCESS, ON TWO SIDES OF THE BUILDING UTILIZING PARKING LOT AISLES AND ROADWAYS IN ACCORDANCE WITH THESE REQUIREMENTS IN ORDER TO MEET THE 50' DOOR LIMIT AND 250' DISTANCE LIMIT.

4. FIRE RESISTANCE RATINGS:

THE FOLLOWING FIRE RESISTANCE RATINGS ARE REQUIRED IN ACCORDANCE WITH IBC TABLE 601 AND VARIOUS SECTIONS OF THE CODE. STRUCTURAL DESIGN IS ASSUMED TO BE STEEL CONSTRUCTION. IF HEAVY TIMBER CONSTRUCTION IS USED, THEN VALUES BELOW MUST BE ADJUSTED FOR TYPE VB CONSTRUCTION. THIS FACILITY IS NOT PLANNED TO BE USED FOR AN EMERGENCY SHELTER; HOWEVER, IF PROGRAMMING CHANGES, COMPLIANCE WITH 527 CMR 12.00 700-10(D)(2) FOR EMERGENCY ELECTRICAL ROOMS IS REQUIRED.

- REFER TO TABLES 601 & 716.5 FIRE RESISTANCE RATINGS

- NOT LESS THAN THE RATING SUPPORTED (IBC 707.5.1, 708.4, and 711.2.3).
- NO RATING IS REQUIRED FOR THE ROOM WHEN FULLY SPRINKLERED, HOWEVER A 2-HR RATING IS STILL REQUIRED FOR THE EMERGENCY FEEDER-CIRCUIT WIRING AND ROOMS CONTAINING AN EMERGENCY GENERATOR (NFPA 110 SECTION 7.2.1.1).
- WHERE AN AUTOMATIC FIRE-EXTINGUISHING SYSTEM WITHOUT A FIRE BARRIER IS PERMITTED, ACCESSORY OCCUPANCIES SHALL BE REMOVED FROM THE REMAINDER OF THE BUILDING BY CONSTRUCTION CAPABLE OF RESISTING THE PASSAGE OF SMOKE AND DOORS SHALL BE SELF OR AUTOMATIC CLOSING UPON DETECTION OF SMOKE. (IBC 509.4.2)
- THE FIRE WALLS MUST BE DESIGNED AND CONSTRUCTED TO ALLOW COLLAPSE OF THE STRUCTURE ON EITHER SIDE WITHOUT COLLAPSE OF THE WALL UNDER FIRE CONDITIONS (IBC 706.2).
IN LIEU OF RATED SHAFT ENCLOSURE, THE ANNULAR SPACE AROUND THE HORIZONTAL PENETRATIONS MAY BE PROTECTED BY APPROVED NONCOMBUSTIBLE MATERIAL THAT RESISTS THE PASSAGE OF FLAMES AND SMOKE (IBC 714.4) OR IN VERTICAL DUCT PENETRATIONS ONLY, PROVIDING A RATED DAMPER IS INSTALLED IN THE DUCT (IBC 717.6.1).
- OPENINGS IN BUILDINGS WITH TWO FLOORS, FLOOR OPENINGS OF ANY SIZE ARE PERMITTED WITHOUT ANY ADDITIONAL PROTECTION (IBC 712.1.9) REFER TO "6. VERTICAL OPENINGS", BELOW.

FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS, AND SMOKE PARTITIONS, OR ANY OTHER WALL REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS MUST BE PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING WITHIN THE CONCEALED SPACES (I.E., FLOOR, CEILING, ATTIC SPACES) WITHIN 15 FT FROM END WALLS AND AT 30 FT INTERVALS (IBC 703.7).

5. EXTERIOR WALL OPENINGS & FIRE RESISTANCE RATING

THE NONBEARING EXTERIOR WALL RATING REQUIREMENTS AND OPENING LIMITATIONS ARE BASED ON THE FIRE SEPARATION DISTANCE FOR EACH WALL. THE FIRE SEPARATION DISTANCE IS MEASURED PERPENDICULAR TO THE EXTERIOR WALL TO THE CENTERLINE OF A PUBLIC STREET, AN INTERIOR LOT LINE, OR AN IMAGINARY LOT LINE BETWEEN TWO BUILDINGS ON THE SAME LOT (IBC 702.0). WHERE THE FIRE SEPARATION DISTANCE IS MORE THAN 10 FT THE WALL IS NOT RATED. WHERE THE ALLOWABLE OPENINGS IS NOT LIMITED (IBC TABLE 602 AND SECTION 705.8.1 EXCEPTION 2). NOTE THAT OPENINGS ARE NOT PERMITTED WHERE THE FIRE SEPARATION DISTANCE IS LESS THAN 3 FT. ALSO, WHERE THE FIRE SEPARATION DISTANCE IS 10 FT OR LESS, THE EXTERIOR WALLS MUST BE RATED FOR EXPOSURE TO FIRE FROM BOTH SIDES (IBC 705.5). THE FIRE SEPARATION DISTANCE IS MORE THAN 30' TO THE CENTERLINE OF THE PUBLIC STREET; THEREFORE, NO RATING IS REQUIRED FOR THE EXTERIOR WALLS.

6. VERTICAL FLOOR OPENINGS:

VERTICAL OPENINGS ARE REQUIRED TO COMPLY WITH IBC 712. SINCE THE BUILDING IS ONLY TWO STORIES, FLOOR OPENINGS OF ANY SIZE ARE PERMITTED WITHOUT ANY ADDITIONAL PROTECTION (IBC 712.1.9). THE STAIRS CAN ALSO BE OPEN AND USED FOR EGRESS AS EXIT ACCESS STAIRS IN ACCORDANCE WITH IBC SECTION 1019.3. OTHER FLOOR OPENINGS WITHOUT STAIRS ARE ALSO PERMITTED BY IBC SECTION 712.1.9.

7. FINISHES: INTERIOR FINISH

- REFER TO TABLE 803.11 FOR THE FIRE RATING OF INTERIOR FINISHES OF WALLS AND CEILINGS

NOTE THAT WHERE EXIT STAIRS AND EXIT ACCESS CORRIDORS SERVE ALL USE GROUPS, THE MOST RESTRICTIVE INTERIOR FINISH IS REQUIRED.

8. FLOOR FINISHES

THE BUILDING WILL BE EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM; THEREFORE, TRADITIONAL FLOOR COVERINGS SUCH AS WOOD, VINYL, AND OTHER RESILIENT FLOOR COVERINGS AS WELL AS CARPETING PASSING THE DOC FF-1 PILL TEST ARE ALLOWED THROUGHOUT THE BUILDING, INCLUDING USE AT ALL EXITS, EXIT PASSAGEWAYS AND EXIT ACCESS CORRIDORS (IBC SECTION 804.4.2).

9. EXTERIOR FINISHES

EXTERIOR WALL FINISHES MUST FULLY COMPLY WITH THE REQUIREMENTS OF IBC CHAPTER 14. COMBUSTIBLE MATERIALS ARE PERMITTED TO BE USED AS AN EXTERIOR WALL FINISH FOR THIS BUILDING IN ACCORDANCE WITH IBC SECTION 1406.0; HOWEVER, ALL EXTERIOR WALL FINISHES, AND ARCHITECTURAL TRIM LOCATED GREATER THAN 40 FEET ABOVE GRADE PLANE, MUST BE CONSTRUCTED OF APPROVED NONCOMBUSTIBLE MATERIALS AND MUST BE SECURED TO THE WALL WITH METAL OR OTHER APPROVED NONCOMBUSTIBLE BRACKETS (IBC SECTION 1406.2.2). ADDITIONALLY, COMBUSTIBLE EXTERIOR WALL FINISH IS LIMITED TO 10% OF THE EXTERIOR WALL SURFACE AREA WHERE THE FIRE SEPARATION DISTANCE IS 5 FT OR LESS.

10. MEANS OF EGRESS:

- REFER TO TABLE 1004.1.2 FOR THE CALCULATED OCCUPANT LOADS OF THE BUILDING
- REFER TO TABLE 1005.3.2.1 FOR THE CALCULATED EGRESS CAPACITY FOR EACH FLOOR
- REFER TO TABLE 1006.3.1 FOR THE AVAILABLE NUMBER OF EXITS FOR EACH FLOOR

GENERAL EGRESS REQUIREMENTS:

- MAXIMUM EXIT ACCESS TRAVEL DISTANCE MUST BE LESS THAN 250 FEET (IBC TABLE 1017.2).
 - ALL PORTIONS OF THE BUILDING ARE WITHIN 250 FEET OF THE NEAREST EXIT.
- MAXIMUM DEAD-END CORRIDOR LENGTH MUST BE LESS THAN 20 FT OR 2.5 TIMES THE LEAST WIDTH OF SPACE ON THE SECOND LEVEL DUE TO THE USE GROUP A-3 OCCUPANCY (IBC 1020.4).
 - THE PROPOSED PLANS DO NOT INCLUDE ANY DEAD-END CORRIDORS.
- CORRIDORS SERVING 100 OR MORE OCCUPANTS MUST HAVE A MINIMUM WIDTH OF 72 INCHES. CORRIDOR SERVING 50-99 OCCUPANTS MUST HAVE A MINIMUM WIDTH OF 44 INCHES. CORRIDORS SERVING 49 OR LESS MAY HAVE A MINIMUM WIDTH OF 36 INCHES. (IBC TABLE 1020.2).
 - ALL COMMON PUBLIC CORRIDORS ARE 72" OR GREATER IN WIDTH.
 - CORRIDORS IN NON-PUBLIC AREAS, OR AREAS WHERE OCCUPANCY IS LESS THAN 49, USED FOR ACCESS TO AND FROM OFFICES, STORAGE, AND MECHANICAL AREAS ARE 44" OR GREATER IN WIDTH.
- FOR THE PURPOSE OF THIS REPORT, IT HAS BEEN ASSUMED THAT THE LARGE GROUP ROOM WILL BE USED FOR GROUP DINING EVENTS AND THEREFORE MUST BE CONSIDERED A USE GROUP A-2 OCCUPANCY RATHER THAN PART OF THE PRIMARY USE GROUP A-3 OCCUPANCY (IBC 303.3). AS INDICATED IN THE TABLE BELOW, THE PROPOSED BUILDTRAVEL DISTANCE OVER 75 FT MUST BE PROVIDED WITH TWO EGRESS DOORS SWINGING IN THE DIRECTION OF EGRESS AND ILLUMINATED EXIT SIGNS AT EACH EXIT (IBC TABLE 1006.2.1 & SECTIONS 1010.1.2.1 & 1013.1).
 - BOILER ROOMS REQUIRE TWO MEANS OF EGRESS IF THE ROOM IS GREATER THAN 500 SQFT, AND INCLUDES INDIVIDUAL FUEL-FIRED EQUIPMENT GREATER THAN 400,000 BTUH INPUT CAPACITY. (IBC 1006.2.2.1). BOILER ROOMS WHERE ANY PIECE OF EQUIPMENT IS OVER 400,000 BTUH REQUIRE 1 HOUR FIRE SEPARATION OR AN AUTOMATIC SPRINKLER SYSTEM. (IBC 509)
- DOORS FROM MAIN ELECTRICAL ROOMS MUST SWING IN THE DIRECTION OF EGRESS WITH PANIC HARDWARE. WHEN ELECTRICAL SERVICE AMPERAGE IS 800A OR GREATER, HIGH AND LOW EXIT SIGNS ARE REQUIRED BY THE ELECTRICAL CODE (NFPA 70) AT EACH EGRESS DOOR.
- DOORS SERVING ASSEMBLY ROOMS WITH MORE THAN 49 PEOPLE AND DOORS ALONG THE PATH OF EGRESS TRAVEL FROM SUCH ROOMS MUST BE PROVIDED WITH PANIC HARDWARE (IBC 1010.1.10).
 - ALL OF THE SPACES WITH AN OCCUPANT LOAD GREATER THAN 49 PEOPLE (I.E. LARGE GROUP 1 / CAFETERIA) ARE PROVIDED WITH TWO MEANS OF EGRESS AS REQUIRED.
- ALL MEANS OF EGRESS LIGHTING AND EXIT SIGNS THROUGHOUT THE BUILDING MUST BE PROVIDED WITH AN EMERGENCY POWER SUPPLY TO ASSURE CONTINUED ILLUMINATION FOR NOT LESS THAN 1.5 HOURS IN CASE OF PRIMARY POWER LOSS (IBC 1008.2 & 1008.3.4).
 - REMOTE MEANS OF EGRESS MUST BE SEPARATED BY 1/2 OF THE DIAGONAL DIMENSION OF THE ROOM OR SPACE THEY SERVE (IBC 1007.1.1). THE DISTANCE BETWEEN EXITS MUST BE MEASURED IN A STRAIGHT LINE BETWEEN EXIT DOORS.
- ROOFS AND PENTHOUSES CONTAINING ELEVATOR EQUIPMENT THAT MUST BE ACCESSED FOR MAINTENANCE ARE REQUIRED TO BE ACCESSED BY A STAIRWAY (IBC 1011.12.1). PERMANENT MEANS OF ACCESS TO ANY ROOF CONTAINING MECHANICAL EQUIPMENT MUST BE PROVIDED IN ACCORDANCE WITH THE MECHANICAL CODE.
 - SECOND FLOOR ACCESS IS RESTRICTED TO MAINTENANCE STAFF ONLY. NO ELEVATOR IS BEING PROVIDED.
- A TWO-WAY COMMUNICATION SYSTEM IS REQUIRED AT EACH ELEVATOR LANDING ON EACH FLOOR ABOVE THE LEVEL OF EXIT DISCHARGE (780 CMR 1009.8).
 - SECOND FLOOR ACCESS IS RESTRICTED TO MAINTENANCE STAFF ONLY. NO ELEVATOR IS BEING PROVIDED.
- AT LEAST ONE PASSENGER ELEVATOR MUST BE SIZED TO ACCOMMODATE THE LOADING AND TRANSPORTATION OF AN AMBULANCE GURNIEY OR STRETCHER SIZED 24" WIDE BY 84" LONG WITH 5" RADIUS CORNERS (524 CMR 17.40(1)).
 - SECOND FLOOR ACCESS IS RESTRICTED TO MAINTENANCE STAFF ONLY. NO ELEVATOR IS BEING PROVIDED.

11. REQUIRED FIRE PROTECTION SYSTEMS:

- NFPA 13 SPRINKLER SYSTEM (780 CMR TABLE 903.2 & M.G.L. C148 §26G)
- VOICE/ALARM SIGNALING SYSTEM (IBC 907.2.3)
- STANDPIPE SYSTEM (IBC 905.3.1 & 905.3.3)
- FIRE EXTINGUISHERS (527 CMR 1, TABLE 13.6.2(A) & IBC 906.1).
- CARBON MONOXIDE DETECTION IN ACCORDANCE WITH IBC 915 AND 527 CMR 1 CHAPTER 13.
- EMERGENCY RESPONDER RADIO COVERAGE (IBC 916)

12. ENERGY CODE PROVISIONS:

THE PROJECT IS SUBJECT TO THE PROVISIONS OF THE INTERNATIONAL ENERGY CONSERVATION CODE OR ANS/ASHRAE/IESNA 90.1 WITH MASSACHUSETTS AMENDMENTS (MASSACHUSETTS ENERGY CODE). COMPLIANCE WITH THE 2018 EDITION OF THE IECC BECOMES MANDATORY ON NOVEMBER 7, 2020. ALTHOUGH THE TOWN OF UPTON HAS ADOPTED THE STRETCH ENERGY CODE, SINCE THIS BUILDING IS LESS THAN 100,000 SQUARE FEET IN AGGREGATE AREA THE STRETCH CODE DOES NOT APPLY (AIA 103.2)

13. MASSACHUSETTS ARCHITECTURAL ACCESS BOARD REGULATIONS

- 2018 IECC CODE
 - CLIMATE ZONE 5A
 - 2018 IECC TABLE C402.1.3
 - ROOF:
 - INSULATION ABOVE ROOF DECK: R30
 - ATTIC: R38
 - WALLS:
 - ABOVE GRADE WOOD FRAMED WALLS: R20, OR R13 + R3.8 CONTINUOUS
 - BELOW GRADE WALLS: R7.5 CONTINUOUS
 - FLOORS:
 - UNHEATED FLOOR SLAB: R10 FOR 24" BELOW
 - HEATED SLAB: R15 FOR 36" BELOW + R5 CONTINUOUS FULL SLAB
 - OPENINGS:
 - FIXED WINDOWS: U-38
 - OPERABLE WINDOWS: U-45
 - DOORS: U-77

ALL AREAS OPEN TO THE GENERAL PUBLIC ARE REQUIRED TO COMPLY WITH THE REQUIREMENTS OF THE MASSACHUSETTS ARCHITECTURAL ACCESS BOARD (521 CMR), AND IN PARTICULAR SECTION 14: PLACES OF ASSEMBLY.

521 CMR INCLUDES THE FOLLOWING MAJOR PROVISIONS:

- ALL PUBLIC ENTRANCES MUST BE ACCESSIBLE (521 CMR 25.1).
- ALL PUBLIC AND COMMON USE AREAS MUST BE ACCESSIBLE AND PROVIDED WITH AN ACCESSIBLE ROUTE THERETO (521 CMR SECTION 12.2.2 AND 20.1).
- IN EACH ADULT PUBLIC TOILET ROOM, AT LEAST ONE WATER CLOSET AND ONE SINK IN EACH LOCATION SHALL BE ACCESSIBLE TO PERSONS IN WHEELCHAIRS, OR A SEPARATE ACCESSIBLE UNISEX TOILET ROOM SHALL BE PROVIDED AT EACH LOCATION. (521 CMR 30.1).
- WHERE TABLES, STUDY CARBELS, COMPUTER WORKSTATIONS, SINKS OR COUNTERS ARE PROVIDED IN ROOMS, AT LEAST 5% WITH A MINIMUM OF ONE OF EACH ITEM MUST BE ACCESSIBLE (521 CMR SECTION 12.2.2).

THE PROPOSED PLANS INCLUDE ACCESSIBLE ACCESS TO ALL PUBLIC AREAS IN ACCORDANCE WITH THESE REQUIREMENTS.

14. MINIMUM PLUMBING FACILITIES

- REFER TO 248 CMR SECTION 10.10 TABLE 1

Height & Area Limits: Tables 504.3, 504.4, 506.2 for Type VB Construction - Fully Sprinklered									
Code Reference	Use Group A-2			Use Group A-3			Use Group B		
	Height	Area (SM)	Area (FT2)	Height	Area (SM)	Area (FT2)	Height	Area (SM)	Area (FT2)
IBC Tables 504.3, 504.4 & 506.2: Tabular Value	2 Stories	60 ft	18000 ft2	2 Stories	60 ft	18000 ft2	2 Stories	60 ft	27000 ft2
Max Allowable Height and Footprint Area	2	60	18000	2	60	18000	2	60	27000
Actual Height and Footprint Area	2	36	16682	2	36	16682	2	36	16682

Interior Walls & Ceilings Finishes (IBC Table 803.11) - Sprinklered				
Building Component	Use Group A-2	Use Group A-3, A-5	Use Group B	Use Group S-1
Exit Enclosures and Passageways	Class B	Class B	Class B	Class C
Corridors	Class B	Class B	Class C	Class C
Rooms & Enclosed Spaces	Class C	Class C	Class C	Class C

ROOM #	SPACE	OCCUPANCY USE GROUP	GROSS AREA (FT2)	NET AREA (FT2)**	OCCUPANT LOAD		DESIGN OCCUPANCY (TOILETS)	
					PER 100 SQ. FT.	TOTAL		
FIRST FLOOR COUNCIL ON AGING					COA OCCUPANT COUNT	197	180	
132	KITCHEN (TEACHING CLASSROOM)	A-2 / E	501	288	20	NET	14	15
133	KITCHEN STORAGE	S-1* / B	143		100	GROSS	1	1
134	LARGE PROGRAM/ CAFETERIA (TABLES & CHAIRS)	A-2	1,433	1,433	15	NET	95	90
134.1	SMALL PROGRAM / CAFETERIA (TABLES & CHAIRS)	A-2	479	479	15	NET	31	30
135	CHAIR STORAGE	S-1*	147		300	GROSS	0	0
136	EXERCISE ROOM	A-3	349		50	GROSS	6	7
137	ADULT LOUNGE (TABLES & CHAIRS)	A-3	404	400	15	NET	26	12
137.1	ADULT LOUNGE CLOSET	S-1*	8		300	GROSS	0	0
138	COA VESTIBULE (STANDING)	A-3	72	70	15	NET	4	4
139	COA WOMENS TOILET	ACCESSORY	173		-	-	-	0
140	COA MENS TOILET	ACCESSORY	124		-	-	-	0
141	COA LOBBY 1 (STANDING)	A-3	245	245	15	NET	16	16
143	COA RECEPTION	B	79		100	GROSS	0	1
144	SHARED OFFICE	B	102		100	GROSS	1	1
145	STAFF HALLWAY	B	127		100	GROSS	1	1
145.1	STAFF HALL CLOSET	S-1*	7		300	GROSS	0	0
145.2	STAFF HALL CLOSET	S-1*	6		300	GROSS	0	0
146	COA STAFF TOILET	ACCESSORY	75		-	-	-	0
146.1	STAFF TOILET CLOSET	S-1*	7		300	GROSS	0	0
147	SOCIAL SERVICES	B	125		100	GROSS	1	1
148	DIRECTORS OFFICE	B	112		100	GROSS	1	1
148.1	DIRECTORS OFFICE CLOSET	S-1*	9		300	GROSS	0	0

FIRST FLOOR LIBRARY			LIBRARY OCCUPANT COUNT		240	199		
100	MAIN VESTIBULE (STANDING)	A-3	208	200	15	NET	13	13
101	MENS TOILET	ACCESSORY	116		-	-	-	0
102	WOMENS TOILET	ACCESSORY	121		-	-	-	0
103	LOBBY (STANDING)	A-3	260	257	15	NET	17	17
104	RECEPTION	B	224		100	GROSS	2	2
105	TECH SERVICE WORK ROOM	B	265		100	GROSS	2	2
106	PUBLIC TECH / BUSINESS CENTER	A-3	97		15	GROSS	6	6
107	LIBRARY DIRECTOR	B	129		100	GROSS	1	1
108	CHILDRENS LIBRARIAN	B	142		100	GROSS	1	1
109	STAFF TOILET	ACCESSORY	49		-	-	-	0
110	LIBRARY HALL	ACCESSORY	103		-	-	-	0
111	EQUIP STORAGE	S-1*	169		300	GROSS	0	0
112	CONFERENCE GROUP STUDY (TABLES & CHAIRS)	A-3	189	189	15	NET	12	12
113	CUSTODIAL	S-1*	35		300	GROSS	0	0
114	CL.	S-1*	9		300	GROSS	0	0
115	STAIRS	ACCESSORY	60		-	-	-	0
116	SMALL GROUP STORAGE	S-1*	95		300	GROSS	0	0
117	SMALL PROGRAM (TABLES & CHAIRS)	A-3	553	553	15	NET	36	36
118	UNISEX TOILET	ACCESSORY	55		-	-	-	0
119	CHILDREN LIBRARY STACKS	A-3	1,454		100	GROSS	14	14
120	INTER-GENERATIONAL LOUNGE (TABLES & CHAIRS)	A-3	420	420	15	NET	28	28
121	ADULT LIBRARY STACKS	A-3	1,473		100	GROSS	14	14
122	QUIET STUDY (READING ROOM)	A-3	53	53	50	NET	1	1
123	QUIET STUDY (READING ROOM)	A-3	51	51	50	NET	1	1
124	QUIET STUDY (READING ROOM)	A-3	77	77	50	NET	1	1
125	CORRIDOR	ACCESSORY	80		-	-	-	0
126	PANTRY	A-3	141		50	GROSS	2	2
127	ELECTRICAL ROOM	MECH	77		300	GROSS	0	0
128	DATA ROOM	MECH	44		300	GROSS	0	0
129	CUSTODIAL	MECH	37		300	GROSS	0	0
130	WATER ROOM	MECH	62		300	GROSS	0	0
131	SERVICE CORRIDOR	ACCESSORY	298		-	-	-	0
142	COA LOBBY 2 (TABLES & CHAIRS)	A-3	127	127	15	NET	8	



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STAMP:

REVISIONS:

No.	Description	Date
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GROSS SQUARE FOOTAGES:

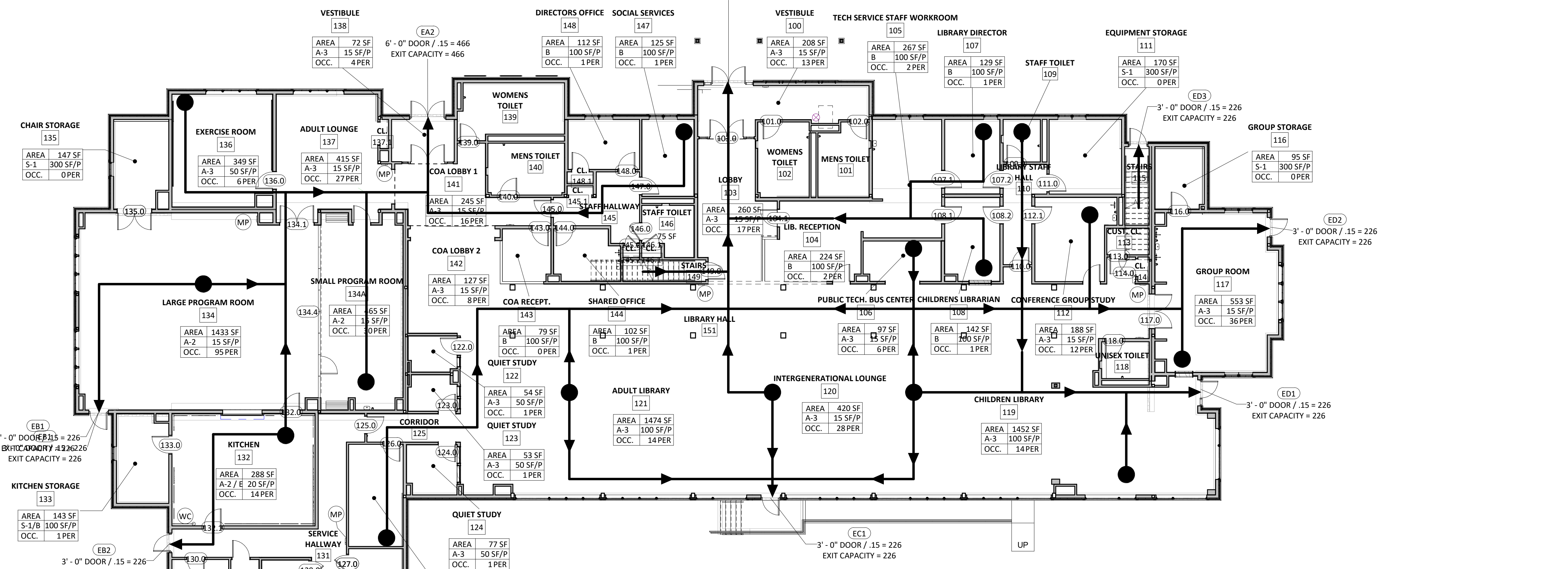
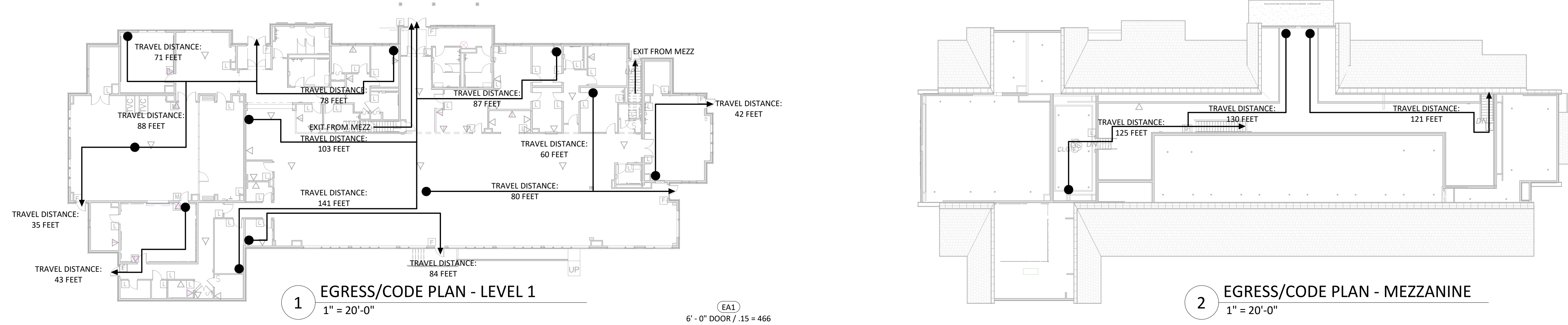
LEVEL ONE:	13,607 SF
MEZZANINE:	3,075 SF
TOTAL:	16,682 GSF

FIRE EXTINGUISHER LEGEND

(MP)	MULTIPURPOSE DRY-CHEMICAL TYPE IN STEEL CONTAINER UL RATED 4-A-80-B-C, 10LB (RECESSED CABINET)
(WC)	WET CHEMICAL TYPE IN STAINLESS STEEL CONTAINER UL RATED 2-A-K (WALL HOOK)

OCCUPANCY FACTOR LEGEND

200 GROSS SF/OCCUPANT	GROUP A-2: COMMERCIAL KITCHENS
15 NET SF/OCCUPANT	GROUP A-2: CAFETERIA ASSEMBLY WITHOUT FIXED SEATS (UNCONCENTRATED)
7 NET SF/OCCUPANT	GROUP A-3: ASSEMBLY / WAITING WITHOUT FIXED SEATS (CONCENTRATED)
15 NET SF/OCCUPANT	GROUP A-3: ASSEMBLY WITHOUT FIXED SEATS (UNCONCENTRATED)
100 GROSS SF/OCCUPANT	GROUP B: OFFICE AREAS
200 GROSS SF/OCCUPANT	GROUP S-1: COMMERCIAL KITCHENS
300 GROSS SF/OCCUPANT	GROUP S-1: STORAGE (MOD HAZARD), MECHANICAL



Department	Number	Name	Occupancy	Area	Occupancy Load Factor	Occupancy Calculation
	117	GROUP ROOM			Not Placed	
	132	KITCHEN			Not Placed	
	134	LARGE PROGRAM ROOM			Not Placed	
						0
COA	132	KITCHEN	A-2 / E	288 SF	20	14
COA	133	KITCHEN STORAGE	S-1/B	143 SF	100	1
COA	134	LARGE PROGRAM ROOM	A-2	1433 SF	15	95
COA	134A	SMALL PROGRAM ROOM	A-2	465 SF	15	30
COA	135	CHAIR STORAGE	S-1	147 SF	300	0
COA	136	EXERCISE ROOM	A-3	349 SF	50	6
COA	137	ADULT LOUNGE	A-3	415 SF	15	27
COA	137.1	CL.	S-1	8 SF	300	0
COA	138	VESTIBULE	A-3	72 SF	15	4
COA	139	WOMENS TOILET	ACC	173 SF	0	
COA	140	MENS TOILET	ACC	124 SF	0	
COA	141	COA LOBBY 1	A-3	245 SF	15	16
COA	143	COA RECEPT.	B	79 SF	100	0
COA	144	SHARED OFFICE	B	102 SF	100	1
COA	145	STAFF HALLWAY	B	127 SF	100	1
COA	145.1	CL.	S-1	7 SF	300	0
COA	145.2	CL.	S-1	6 SF	300	0
COA	146	STAFF TOILET	ACC	75 SF	0	
COA	146.1	CL.	S-1	7 SF	300	0
COA	147	SOCIAL SERVICES	B	125 SF	100	1
COA	148	DIRECTORS OFFICE	B	112 SF	100	1
COA	148.1	CL.	S-1	9 SF	300	0
						197
LIBRARY	100	VESTIBULE	A-3	208 SF	15	13
LIBRARY	101	MENS TOILET	ACC	113 SF	0	
LIBRARY	102	WOMENS TOILET	ACC	121 SF	0	
LIBRARY	103	LOBBY	A-3	260 SF	15	17
LIBRARY	104	LIB. RECEPTION	B	224 SF	100	2
LIBRARY	105	TECH SERVICE STAFF WORKROOM	B	267 SF	100	2
LIBRARY	106	PUBLIC TECH. BUS CENTER	A-3	97 SF	15	6
LIBRARY	107	LIBRARY DIRECTOR	B	129 SF	100	1
LIBRARY	108	CHILDRENS LIBRARIAN	B	142 SF	100	1
LIBRARY	109	STAFF TOILET	ACC	49 SF	0	
LIBRARY	110	LIBRARY STAFF HALL	ACC	104 SF	0	
LIBRARY	111	EQUIPMENT STORAGE	S-1	170 SF	300	0
LIBRARY	112	CONFERENCE GROUP STUDY	A-3	188 SF	15	12
LIBRARY	113	CUST. CL.	S-1	35 SF	300	0
LIBRARY	114	CL.	S-1	9 SF	300	0
LIBRARY	115	STAIRS	ACC	60 SF	0	
LIBRARY	116	GROUP STORAGE	S-1	95 SF	300	0
LIBRARY	117	GROUP ROOM	A-3	553 SF	15	36
LIBRARY	118	UNISEX TOILET	ACC	55 SF	0	
LIBRARY	119	CHILDRENS LIBRARY	A-3	1452 SF	100	14
LIBRARY	120	INTERGENERATIONAL LOUNGE	A-3	420 SF	15	28
LIBRARY	121	ADULT LIBRARY	A-3	1474 SF	100	14
LIBRARY	122	QUIET STUDY	A-3	54 SF	50	1
LIBRARY	123	QUIET STUDY	A-3	53 SF	50	1
LIBRARY	124	QUIET STUDY	A-3	77 SF	50	1
LIBRARY	125	CORRIDOR	ACC	81 SF	0	
LIBRARY	126	PANTRY	A-3	140 SF	50	2
LIBRARY	127	ELECTRIC ROOM	MECH	77 SF	300	0
LIBRARY	128	DATA ROOM	MECH	49 SF	300	0
LIBRARY	129	CUSTODIAL	MECH	31 SF	300	0
LIBRARY	130	WATER ROOM	MECH	62 SF	300	0
LIBRARY	131	SERVICE HALLWAY	ACC	298 SF	0	
LIBRARY	142	COA LOBBY 2	A-3	127 SF	15	8
LIBRARY	149	STAIRS	ACC	56 SF	0	
LIBRARY	150	EMERG. ELEC.	MECH	12 SF	300	0
LIBRARY	151	LIBRARY HALL	A-3	1224 SF	30	40
						199
MEZZANINE	200	MEZZANINE 1	S-1	873 SF	300	2
MEZZANINE	201	MEZZANINE 2	MECH	309 SF	300	1
MEZZANINE	202	MEZZANINE 3	MECH	403 SF	300	1
MEZZANINE	203	MEZZANINE 4	MECH	447 SF	300	1
MEZZANINE	204	MEZZANINE 5	MECH	488 SF	300	1
						6

UPTON COMMUNITY CENTER
9 MILFORD STREET, UPTON, MA 01568
100% CD-COMFORMANCE SET ADDENDA 1-4 INCORPORATED 10/6/2021

TITLE: FLOOR OCCUPANCY PLANS

JOB NUMBER: 20-05

DRAWN BY: Author

CHECKED BY: Checker

DATE: 9/8/2021

SCALE: As indicated

SHEET NO: G0.03



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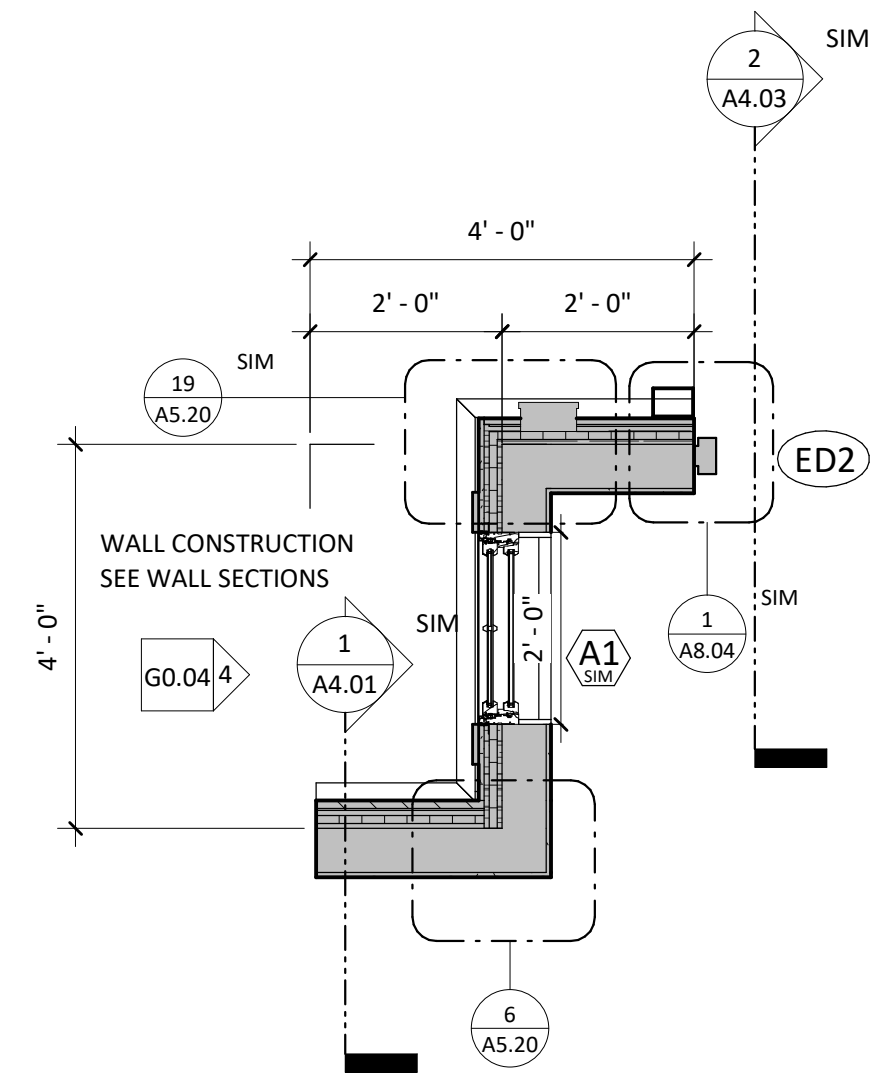
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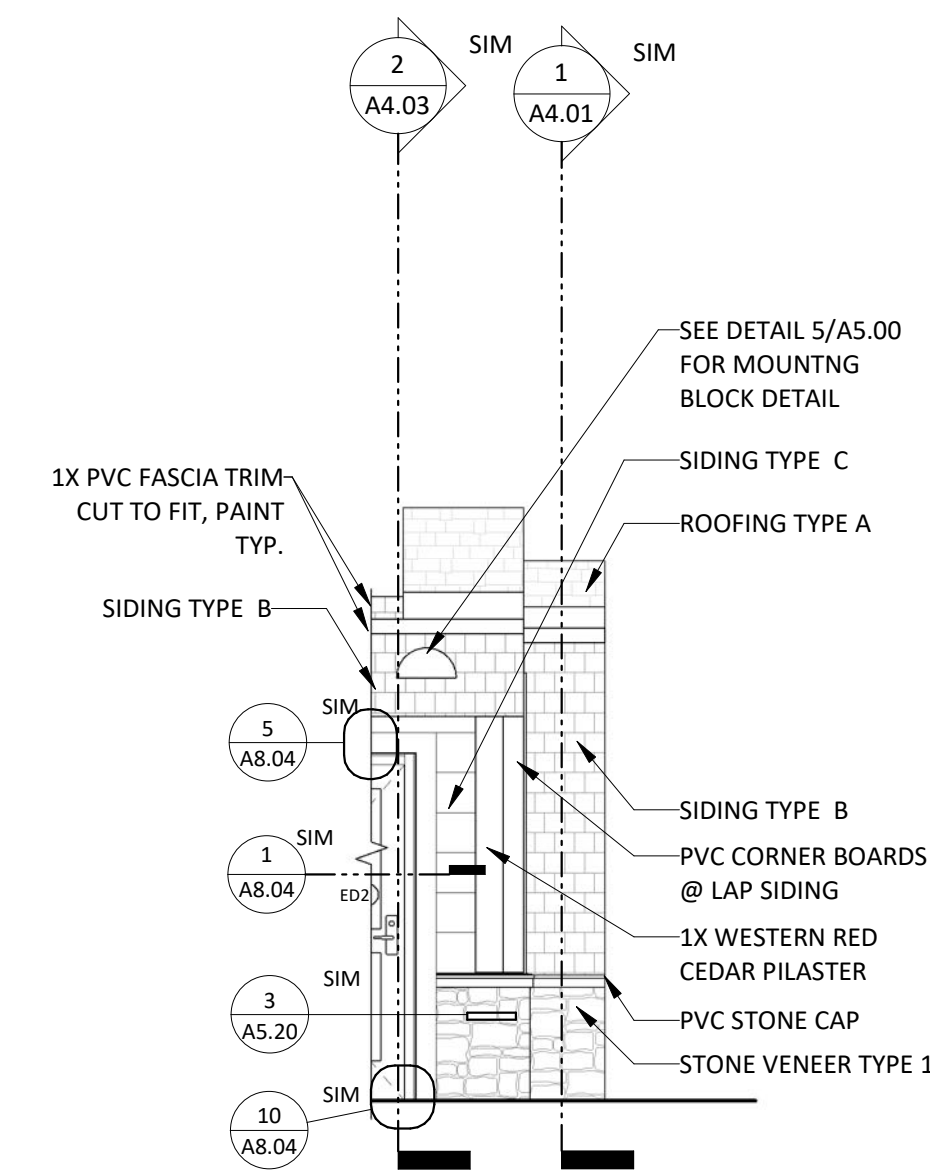
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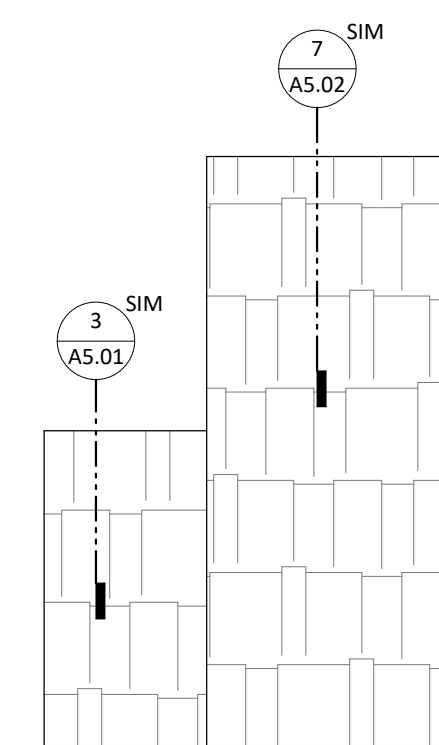
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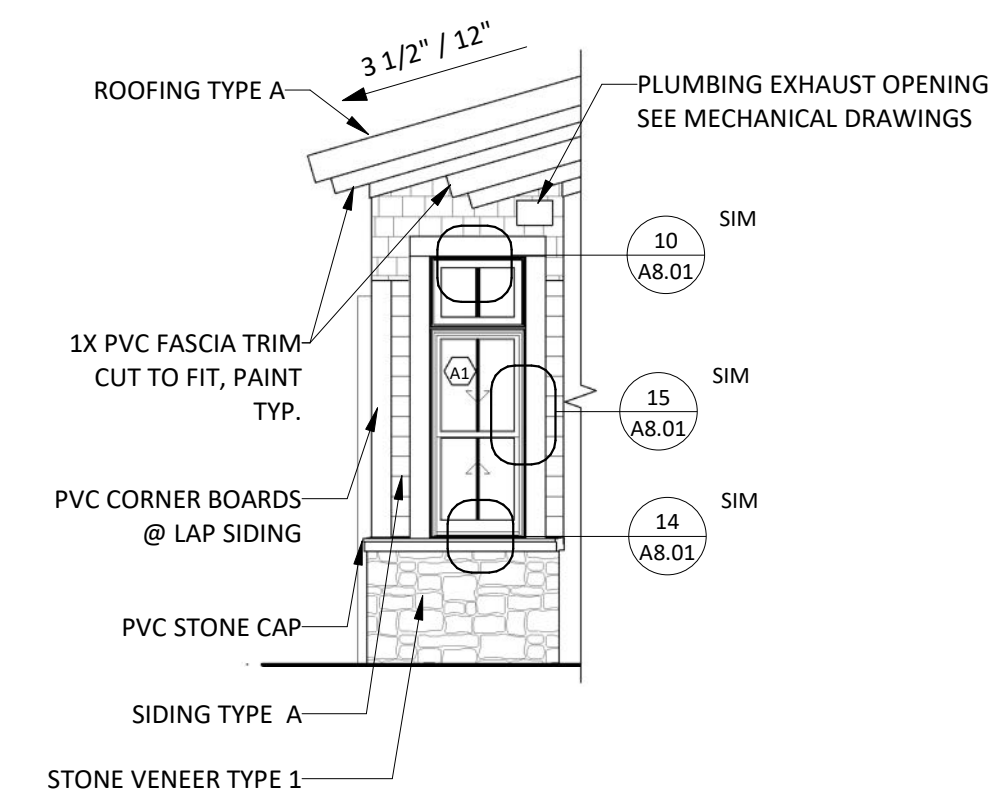
1 FIRST FLOOR PLAN MOCK UP
1/2" = 1'-0"



3 EAST MOCK ELEVATION
1/4" = 1'-0"



2 ROOF PLAN MOCK UP
1/2" = 1'-0"



4 NORTH MOCK ELEVATION
1/4" = 1'-0"

UPTON COMMUNITY CENTER
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 100% CD-COMFORMANCE SET ADDENDA 1-4 INCORPORATED 10/6/2021

TITLE:
**MOCK UP
PLAN AND
ELEVATIONS**

JOB NUMBER:
20-05

DRAWN BY:
Author

CHECKED BY:
Checker

DATE:
9/8/2021

SCALE:
As indicated

SHEET NO.:

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DEMOLITION NOTES:

- 1. SITE PREPARATION AND DEMOLITION SHALL INCLUDE THOSE AREAS WITHIN THE LIMIT OF WORK LINE AS SHOWN ON THE CONTRACT DOCUMENTS.
- 2. ANY AREA OUTSIDE THE LIMIT OF WORK THAT IS DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
- 3. CONSULT ALL OF THE DRAWINGS AND SPECIFICATIONS FOR COORDINATION REQUIREMENTS BEFORE COMMENCING DEMOLITION.
- 4. THE CONTRACTOR SHALL COORDINATE SITE DEMOLITION EFFORTS WITH ALL TRADES THAT MAY BE AFFECTED BY THE WORK.
- 5. ALL ITEMS REQUIRING REMOVAL SHALL BE REMOVED TO FULL DEPTH TO INCLUDE BASE MATERIAL AND FOOTINGS OR FOUNDATIONS AS REQUIRED TO FACILITATE CONSTRUCTION, AND LEGALLY DISPOSED OF OFFSITE BY CONTRACTOR.
- 6. UTILITY PIPES DESIGNATED TO BE ABANDONED IN PLACE SHALL BE PLUGGED AT THEIR ENDS WITH WATERTIGHT BRICK MASONRY OR CEMENT MORTAR WITH A MINIMUM THICKNESS OF 8 INCHES.
- 7. UTILITY PIPES DESIGNATED TO BE REMOVED SHALL CONSIST OF THE COMPLETE REMOVAL AND DISPOSAL OF THE ENTIRE LENGTH OF PIPE AND BACKFILL AND 95% COMPACTION OF THE VOID WITH ORDINARY BORROW. WHEN THE VOID IS WITHIN THE FOOTPRINT OF THE NEW BUILDING, GRAVEL BORROW SHALL BE USED TO BACKFILL THE VOID.
- 8. UTILITY STRUCTURES DESIGNATED TO BE ABANDONED IN PLACE SHALL HAVE THEIR CAST IRON CASTINGS REMOVED AND DISPOSED, INLET AND OUTLET PIPES PLUGGED, THE BOTTOM OF THE STRUCTURES SHALL BE BROKEN, THE VOID OF THE STRUCTURES SHALL BE BACKFILLED AND COMPACTED TO 95% WITH ORDINARY BORROW OR FLOWABLE FILL, AND THE TOP OF THE STRUCTURE SHALL BE REMOVED SO THAT IT IS AT LEAST 36 INCHES BELOW FINISH GRADE.
- 9. UTILITY STRUCTURES DESIGNATED TO BE REMOVED SHALL CONSIST OF THE REMOVAL AND DISPOSAL OF CAST IRON CASTINGS, PLUGGING OF INLET AND OUTLET PIPES, REMOVAL OF THE STRUCTURE, AND BACKFILL AND 95% COMPACTION OF THE VOID WITH ORDINARY BORROW. WHEN THE VOID IS WITHIN THE FOOTPRINT OF THE NEW BUILDING, GRAVEL BORROW SHALL BE USED TO BACKFILL THE VOID.
- 10. ALL DEBRIS GENERATED DURING SITE PREPARATION ACTIVITIES SHALL BE LEGALLY DISPOSED OF OFFSITE.
- 11. AT ALL LOCATIONS WHERE EXISTING CURBING, CONCRETE PAVEMENT OR BITUMINOUS CONCRETE ROADWAY ABUTS NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENT SHALL BE SAW CUT TO A CLEAN, SMOOTH EDGE.
- 12. EXTEND DESIGNATED LIMIT OF WORK AS NECESSARY TO ACCOMPLISH ROUGH GRADING, EROSION CONTROL, TREE PROTECTION, AND SITE WORK AS REQUIRED BY THESE DRAWINGS AND SPECIFICATIONS.
- 13. THE CONTRACTOR SHALL REMOVE FROM THE SITE ALL RUBBISH AND DEBRIS FOUND THEREON. STORAGE OF SUCH MATERIALS ON THE PROJECT SITE WILL NOT BE PERMITTED. THE CONTRACTOR SHALL LEAVE THE SITE IN SAFE, CLEAN, AND LEVEL CONDITION UPON COMPLETION OF THE SITE DEMOLITION WORK.
- 14. REMOVE AND STOCKPILE ALL EXISTING SITE LIGHTS, BENCHES, TRASH RECEPTACLES, TRAFFIC SIGNS, GRANITE CURB, AND OTHER SITE IMPROVEMENTS WITHIN LIMIT OF WORK LINE UNLESS OTHERWISE NOTED. DISPOSE OF OFFSITE AT THE DIRECTION OF THE OWNER.
- 15. ALL EXISTING TREES AND SHRUBS TO REMAIN SHALL BE PROTECTED AND MAINTAINED THROUGHOUT THE TIME OF CONSTRUCTION, AS SPECIFIED AND DIRECTED BY THE LANDSCAPE ARCHITECT.
- 16. BEFORE ANY TREES OR SHRUBS ARE REMOVED, THE CONTRACTOR SHALL ARRANGE A CONFERENCE ON THE SITE WITH THE OWNER OR OWNER'S REPRESENTATIVE TO IDENTIFY TREES AND SHRUBS THAT ARE TO BE REMOVED, AS WELL AS THOSE WHICH ARE TO BE PROTECTED. DO NOT COMMENCE CLEARING OPERATIONS WITHOUT A CLEAR UNDERSTANDING OF EXISTING CONDITIONS TO BE PRESERVED. CONTRACTOR SHALL MARK WITH FLAGGING ALL TREES/SHRUBS TO BE REMOVED FOR INSPECTION PRIOR TO REMOVAL.
- 17. THE CONTRACTOR SHALL REMOVE FROM THE AREA OF CONSTRUCTION PAVEMENT, CONCRETE, CURBING, POLES AND FOUNDATIONS, ISLANDS, TREE BERMS AND OTHER FEATURES WITHIN THE LIMITS OF CONSTRUCTION AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION WHETHER SPECIFIED ON THE DRAWINGS OR NOT.

EARTH MOVING AND GRADING NOTES:

- 1. ALL TOPSOIL ENCOUNTERED WITHIN THE WORK AREA SHALL BE STRIPPED TO ITS FULL DEPTH AND STOCKPILED FOR REUSE. EXCESS TOPSOIL SHALL BE REMOVED FROM THE SITE UNLESS OTHERWISE DIRECTED BY THE OWNER. TOPSOIL PILES SHALL REMAIN SEGREGATED FROM EXCAVATED SUBSURFACE SOIL MATERIALS. TOPSOIL PILE SHALL BE SEEDED AS SPECIFIED. ONSITE TOPSOIL TO BE REUSED SHALL BE AMENDED AS SPECIFIED.
- 2. GRADES WITHIN HANDICAP PARKING SPACES AND ACCESS AISLES SHALL NOT EXCEED 1.5% IN ANY DIRECTION.
- 3. CROSS SLOPES OF ALL PEDESTRIAN WALKS SHALL NOT EXCEED 1.5%.
- 4. RUNNING SLOPE OF ALL PEDESTRIAN WALKS SHALL NOT EXCEED 4.5%, UNLESS OTHERWISE NOTED.
- 5. THE CONTRACTOR SHALL EXERCISE CAUTION IN ALL EXCAVATION ACTIVITY DUE TO POSSIBLE EXISTENCE OF UNRECORDED UTILITY LINES.
- 6. ALL PAVED AREAS MUST PITCH TO DRAIN AT A MINIMUM OF 1% UNLESS OTHERWISE NOTED.
- 7. PROVIDE POSITIVE DRAINAGE AWAY FROM FACE OF BUILDINGS AT ALL LOCATIONS.
- 8. PITCH EVENLY BETWEEN CONTOUR LINES AND BETWEEN SPOT GRADES. SPOT GRADE ELEVATIONS TAKE PRECEDENCE OVER CONTOUR LINES.
- 9. ALL PROPOSED TOP OF CURB ELEVATIONS ARE SIX INCHES (6") ABOVE BOTTOM OF CURB ELEVATIONS UNLESS OTHERWISE NOTED. ALL PROPOSED TOP OF CAPE COD BERM ELEVATIONS ARE FOUR INCHES (4") ABOVE BOTTOM OF CURB ELEVATION UNLESS OTHERWISE NOTED.
- 10. THE CONTRACTOR SHALL BLEND NEW GRADING SMOOTHLY INTO EXISTING GRADING AT LIMITS OF GRADING.
- 11. WHERE NEW PAVING MEETS EXISTING PAVING, MEET LINE AND GRADE OF EXISTING PAVING WITH SMOOTH TRANSITION BETWEEN EXISTING AND NEW SURFACES.
- 12. THE CONTRACTOR SHALL VERIFY EXISTING GRADES IN THE FIELD AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ARCHITECT OR OWNER'S REPRESENTATIVE PRIOR TO STARTING WORK.
- 13. PITCH TOPS OF ALL WALLS AT ONE-EIGHTH INCH (1/8") PER FOOT FROM BACK OF WALL TO FACE OF WALL.
- 14. SURPLUS MATERIALS SHALL BE REMOVED FROM THE SITE UNLESS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE. REFER TO EARTHWORK SPECIFICATIONS.
- 15. ANY AREAS OUTSIDE OF THE LIMIT OF WORK THAT ARE DISTURBED SHALL BE RESTORED BY THE CONTRACTOR TO THE PRE-CONSTRUCTION CONDITION/GRADE AT NO COST TO THE OWNER.
- 16. EXCAVATION REQUIRED WITHIN PROXIMITY OF EXISTING UTILITY LINES SHALL BE DONE BY HAND. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINES OR STRUCTURES INCURRED DURING CONSTRUCTION OPERATIONS AT NO ADDITIONAL COST TO OWNER.

BUILDING LOCATION NOTES:

- 1. THE BUILDING LOCATION INFORMATION SHOWN ON THIS PLAN PROVIDES THE POSITION AND ORIENTATION OF THE BUILDING. REFER TO THE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR BUILDING AND FOUNDATION DIMENSIONS, INCLUDING BUILDING OVERHANGS AND AREAWAYS. THE CONTRACTOR SHALL VERIFY BUILDING AND FOUNDATION DIMENSIONS WITH THE ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO FOUNDATION CONSTRUCTION.
- 2. THE LOCATION OF THE CORNER AND OUTSIDE FACE OF THE PROPOSED BUILDING FOUNDATION WALL WAS TAKEN FROM AN AUTOCAD FILE RECEIVED FROM TUROWSKI2 ARCHITECTURE ON 10/29/20.
- 3. THE SURVEYOR PERFORMING BUILDING LAYOUT SHALL BE A LICENSED PROFESSIONAL LAND SURVEYOR OR UNDER THE DIRECT SUPERVISION OF A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF MASSACHUSETTS WITH EXPERIENCE PREPARING BUILDING LAYOUT CALCULATIONS. THOSE CALCULATIONS SHALL BE PREPARED TO THE STANDARD OF CARE CURRENTLY ESTABLISHED FOR THE SURVEYING PROFESSION IN THE STATE OF MASSACHUSETTS.
- 4. THE BUILDING LAYOUT SURVEYOR SHALL CONFIRM THE FOLLOWING ITEMS:
 - A. THE BUILDING LOCATION CONFORMS TO ZONING SETBACKS;
 - B. THE BUILDING LOCATION IS WITHIN THE PROPERTY LINE; AND
 - C. THE BUILDING CLOSURES ON ITSELF BASED ON THE DIMENSIONS PROVIDED ON THE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- 5. THE SURVEYOR PERFORMING BUILDING LAYOUT SHALL PROVIDE A SUBMITTAL TO THE DESIGN TEAM THAT INCLUDES THEIR CALCULATIONS CONFIRMING THE ITEMS LISTED UNDER NOTE #4 ABOVE. THIS SUBMITTAL SHALL BE STAMPED AND SIGNED BY THE LICENSED PROFESSIONAL LAND SURVEYOR WHO PREPARED THE CALCULATIONS.

GENERAL NOTES:

- 1. THE CONTRACTOR SHALL GIVE TWENTY-FOUR (24) HOUR NOTICE TO PERTINENT TOWN DEPARTMENTS BEFORE COMMENCING ANY WORK IN THE FIELD.
- 2. TOPOGRAPHIC DATA, PROPERTY LINE INFORMATION, AND EXISTING SITE FEATURES WERE OBTAINED FROM A PLAN ENTITLED "EXISTING CONDITIONS PLAN", PREPARED BY CMG., DATED 08-13-20.
- 3. FLOODPLAIN INFORMATION WAS OBTAINED FROM THE FLOOD INSURANCE RATE MAP (FIRM) NO. 250270885E. PORTIONS OF THE PROPERTY APPEARS TO LIE WITHIN THE SPECIAL FLOOD HAZARD ZONE AE, DATED 7/4/2011, FLOOD HAZARD ELEVATION = 286±.
- 4. THE CONTRACTOR SHALL COMPLY WITH MASSACHUSETTS GENERAL LAWS CHAPTER 82, SECTION 40, AS AMENDED, WHICH STATES THAT NO ONE MAY EXCAVATE IN THE COMMONWEALTH OF MASSACHUSETTS EXCEPT IN AN EMERGENCY WITHOUT 72 HOURS NOTICE, EXCLUSIVE OF SATURDAYS, SUNDAYS, AND LEGAL HOLIDAYS, TO NATURAL GAS PIPELINE COMPANIES, AND MUNICIPAL UTILITY DEPARTMENTS THAT SUPPLY GAS, ELECTRICITY, TELEPHONE, OR CABLE TELEVISION SERVICE IN OR TO THE CITY OR TOWN WHERE THE EXCAVATION IS TO BE MADE. THE CONTRACTOR SHALL CALL "DIG SAFE" AT 1-888-DIG-SAFE.
- 5. THE CONTRACTOR SHALL COMPLY WITH MASSACHUSETTS GENERAL LAWS CHAPTER 82A, ALSO REFERRED TO AS JACKIE'S LAW, AS DETAILED IN SECTION 520 CMR 14.00 OF THE CODE OF MASSACHUSETTS REGULATIONS.
- 6. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES, REGULATIONS AND SAFETY CODES IN THE CONSTRUCTION OF ALL IMPROVEMENTS.
- 7. THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES ARE APPROXIMATE AND ALL UTILITIES MAY NOT BE SHOWN. PRESENCE AND LOCATIONS OF ALL UTILITIES WITHIN THE LIMIT OF WORK MUST BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING AND CONTACTING THE CONTROLLING AUTHORITIES AND/OR UTILITY COMPANIES RELATIVE TO THE LOCATIONS AND ELEVATIONS OF THEIR LINES. THE CONTRACTOR SHALL KEEP A RECORD OF ANY DISCREPANCIES OR CHANGES IN THE LOCATIONS OF ANY UTILITIES SHOWN OR ENCOUNTERED DURING CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE OWNER AND NITSCH ENGINEERING. ANY DAMAGE RESULTING FROM THE FAILURE OF THE CONTRACTOR TO MAKE THESE DETERMINATIONS AND CONTACTS SHALL BE BORNE BY THE CONTRACTOR.
- 8. THE CONTRACTOR SHALL THROUGHOUT CONSTRUCTION, TAKE ADEQUATE PRECAUTIONS TO PROTECT ALL WALKS, GRADING, SIDEWALKS AND SITE DETAILS OUTSIDE OF THE LIMIT OF WORK AND TO VERIFY ALL CONDITIONS IN THE FIELD AND REPORT DISCREPANCIES BETWEEN PLANS AND ACTUAL CONDITIONS TO THE OWNER OR OWNER'S REPRESENTATION IMMEDIATELY.
- 9. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AND ALL CONSTRUCTION MEANS AND METHODS.
- 10. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE SITE AND CONSTRUCTION DOCUMENTS TO DEVELOP A THOROUGH UNDERSTANDING OF THE PROJECT, INCLUDING ANY SPECIAL CONDITIONS AND CONSTRAINTS.
- 11. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH THE PROJECT SITE AND TO VERIFY ALL CONDITIONS IN THE FIELD AND REPORT DISCREPANCIES BETWEEN PLANS AND ACTUAL CONDITIONS TO THE OWNER OR OWNER'S REPRESENTATION IMMEDIATELY.
- 12. THE CONTRACTOR SHALL CONDUCT ALL NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN ALL NECESSARY CONSTRUCTION PERMITS.
- 13. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE ESTABLISHMENT AND USE OF ALL VERTICAL AND HORIZONTAL CONSTRUCTION CONTROLS.
- 14. ELEVATIONS REFER TO NORTH AMERICAN VERTICAL DATUM (NAVD 88).
- 15. THE CONTRACTOR SHALL COMPLY WITH THE ORDER OF CONDITIONS DATED JULY 14, 2021 AND ISSUED BY THE UPTON CONSERVATION COMMISSION (DEP #311-0784).
- 16. FOR SOIL INFORMATION REFER TO GEOTECHNICAL REPORT.

UTILITY NOTES:

- 1. ALL UTILITY CONNECTIONS ARE SUBJECT TO THE APPROVAL OF, AND GRANTING OF PERMITS BY, THE LOCAL MUNICIPALITY. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL PERMITS AND APPROVALS RELATED TO UTILITY WORK PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- 2. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR OBTAINING ALL PERMISSIONS FOR, AND FOR CONDUCTING ALL PREPARATIONS RELATED TO, WORK AFFECTING ANY UTILITIES WITHIN THE JURISDICTION OF ANY NON-MUNICIPAL UTILITY COMPANY, INCLUDING BUT NOT LIMITED TO ELECTRIC, TELEPHONE, AND/OR GAS. THE CONTRACTOR SHALL NOTIFY ALL APPROPRIATE AGENCIES, DEPARTMENTS, AND UTILITY COMPANIES, IN WRITING, AT LEAST 7 DAYS (OR PER UTILITY COMPANY REQUIREMENT) AND NOT MORE THAN 30 DAYS PRIOR TO ANY CONSTRUCTION.
- 3. THE CONTRACTOR SHALL MAINTAIN UTILITIES SERVICING BUILDINGS AND FACILITIES WITHIN OR OUTSIDE THE PROJECT LIMIT UNLESS THE INTERRUPTION OF SERVICE IS COORDINATED WITH THE OWNER.
- 4. ALL WATER, SEWER, AND DRAIN WORK SHALL BE PERFORMED ACCORDING TO THE REQUIREMENTS AND STANDARD SPECIFICATIONS OF THE LOCAL MUNICIPALITY.
- 5. GAS, TELECOMMUNICATIONS AND ELECTRIC SERVICES ARE TO BE DESIGNED BY EACH UTILITY COMPANY IN COORDINATION WITH THE MECHANICAL, ELECTRIC, AND PLUMBING CONSULTANTS.
- 6. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES OF NEW UTILITIES WITH GAS, TELECOMMUNICATION AND ELECTRICAL SERVICES.
- 7. INSTALL WATER LINES WITH A MINIMUM OF FIVE FEET OF COVER AND A MAXIMUM OF SEVEN FEET COVER FROM THE FINAL DESIGN GRADES.
- 8. MAINTAIN 10 FEET HORIZONTAL SEPARATION AND 18 INCHES VERTICAL SEPARATION (WATER OVER SEWER) BETWEEN SEWER AND WATER LINES. WHEREVER THERE IS LESS THAN 10 FEET OF HORIZONTAL SEPARATION AND 18 INCHES OF VERTICAL SEPARATION BETWEEN A PROPOSED OR EXISTING SEWER LINE TO REMAIN AND A PROPOSED OR EXISTING WATER LINE TO REMAIN BOTH WATER MAIN AND SEWER MAIN SHALL BE CONSTRUCTED OF MECHANICAL JOINT CEMENT LINED DUCTILE IRON PIPE FOR A DISTANCE OF 10-FEET ON EITHER SIDE OF THE CROSSING. ONE (1) FULL LENGTH OF WATER PIPE SHALL BE CENTERED OVER THE SEWER AT THE CROSSING.
- 9. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES EXCEPT THOSE NOTED TO BE ABANDONED AND/OR REMOVED & DISPOSED.
- 10. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR TRENCHING, BACKFILLING, AND SURFACE RESTORATION FOR GAS UTILITY SYSTEMS.
- 11. ALL ONSITE UTILITIES SHALL BE INSTALLED UNDERGROUND UNLESS OTHERWISE NOTED.
- 12. ALL EXISTING AND PROPOSED MANHOLE FRAMES, COVERS, VALVES, CLEANOUTS, CASTINGS, ETC. SHALL BE RAISED TO FINISHED GRADE PRIOR TO FINAL GRADING AND PAVING CONSTRUCTION.
- 13. ALL GRATES IN WALKWAYS SHALL BE ADA COMPLIANT.

LEGEND:

Legend symbols and descriptions: LIMIT OF WORK (solid line), SAWCUT (dashed line), WETLAND BUFFERS (dotted line), EDGE OF WETLANDS (long dashed line), PROPERTY LINE (dash-dot line), EXISTING UTILITY TO BE ABANDONED, REMOVED AND DISPOSED IF IN CONFLICT WITH NEW SITE IMPROVEMENTS, OR AS INDICATED ON DRAWINGS (line with double slashes), EROSION CONTROL BARRIER (line with X's), CONSTRUCTION FENCE (line with X's), DOMESTIC WATER PIPE (line with W), FIRE PROTECTION PIPE (line with FP), SANITARY SEWER PIPE (line with S), STORM DRAIN PIPE (line with D), GAS PIPE (line with G), ELECTRIC DUCTBANK (line with E), TELECOM DUCTBANK (line with T/C), UNDERDRAIN (line with UD), INLET PROTECTION (circle with diagonal lines), ELEVATION CONTOURS (line with numbers 301, 300), FLARED END (triangle), CLEANOUT (circle with dot), DOWNSPOUT (circle with cross), AREA DRAIN (square with dot), ACCESS BASIN (circle with dot), DRAIN MANHOLE (circle with dot), WATER QUALITY STRUCTURE (circle with dot), CATCH BASIN (square with dot), WATER QUALITY INLET (circle with dot), SEWER MANHOLE (circle with dot), WATER VALVE (line with W), FIRE HYDRANT (line with HYD), TOP OF CURB ELEVATION (line with TC=300.50), BOTTOM OF CURB ELEVATION (line with BC=300.00), TOP OF WALL ELEVATION (line with TW=303.00), BOTTOM OF WALL ELEVATION (line with BW=300.00), SPOT ELEVATION (line with * 300.00).

ABBREVIATIONS

- AB ACCESS BASIN
- AD AREA DRAIN
- BC BOTTOM OF CURB ELEVATION
- BW BOTTOM OF WALL ELEVATION
- CB CATCH BASIN
- CCB CAPE COD BERM
- CJ CAST IRON
- CO CONTROL JOINT
- CL CENTER LINE
- CLDI DUCTILE IRON PIPE CEMENT LINED
- CO CLEANOUT
- CCP CENTER OF PIPE
- COP CORRUGATED POLYETHYLENE PIPE
- DCB DOUBLE CATCH BASIN
- DMH DRAIN MANHOLE
- EX. OR (E) EXISTING
- EHH ELECTRIC HANDHOLE
- EJ EXPANSION JOINT
- EMH ELECTRIC MANHOLE
- FD FOUNDATION DRAIN
- FFE FINISHED FLOOR ELEVATION
- HP HIGH POINT
- HYD FIRE HYDRANT
- INV INVERT ELEVATION
- LF LINEAR FEET
- LOW LIMIT OF WORK
- LP LOW POINT
- M&M MEET AND MATCH
- M&P MAINTAIN AND PROTECT
- NIC NOT IN CONTRACT
- OC ON CENTER
- OCS OUTLET CONTROL STRUCTURE
- OHW OVERHEAD WIRE
- PD PERIMETER DRAIN
- PERF PERFORATED
- PVC POLYVINYL CHLORIDE PIPE
- R&D REMOVE AND DISPOSE
- R&S REMOVE AND STOCKPILE
- RD ROOF DRAIN
- RM RIM ELEVATION
- SRH SEWER MANHOLE
- SS SEWER SERVICE
- STA. STATION
- TC TOP OF CURB ELEVATION
- THH TELECOM HANDHOLE
- TMH TELECOM MANHOLE
- TOP TOP OF PIPE
- TOD TOP OF DUCT BANK
- TW TOP OF WALL ELEVATION
- TYP. TYPICAL
- UD UNDERDRAIN
- USD UNDERSLAB DRAIN
- VGC VERTICAL GRANITE CURB
- W/ WITH
- WCR WHEEL CHAIR RAMP
- WQI WATER QUALITY INLET
- WQS WATER QUALITY STRUCTURE
- WV WATER VALVE

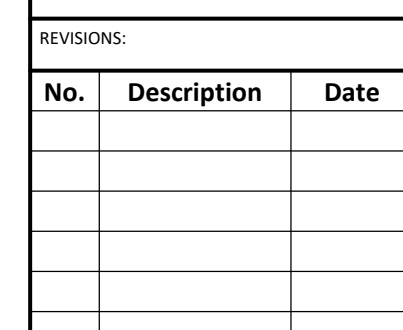


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REVISIONS table with columns: No., Description, Date.

Table with columns: No., Description, Date.

UPTON COMMUNITY CENTER
9 MILFORD STREET
UPTON MASS. 01568
100% CD-COMFORMANCE SET ADDENDA 1-4 INCORPORATED 10/6/2021

TITLE:
CIVIL NOTES,
LEGEND, &
ABBREVIATIONS

JOB NUMBER:
20-05 (NITSCH #14213)

DRAWN BY:
RMG

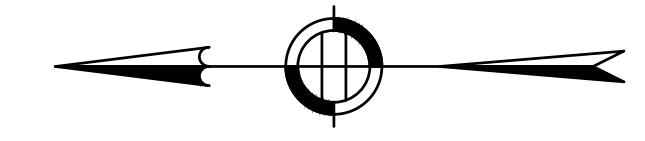
CHECKED BY:
RMG/CRC

DATE:
9/8/2021

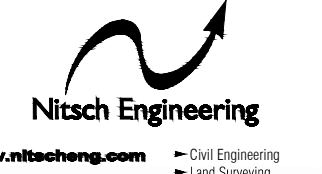
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AS SHOWN

SHEET NO.:

C1.0



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REVISIONS:

No.	Description	Date
2	Addendum 2	9/27/21
4	Addendum 4	10/04/21

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TITLE:
SITE DEMOLITION PLAN

JOB NUMBER:
 20-05 (NITSCH #14213)

DRAWN BY:
 RMG

CHECKED BY:
 RMG/CRC

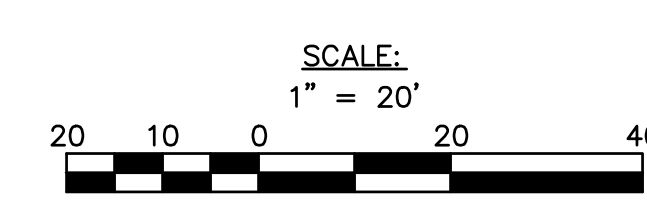
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 9/8/2021

SCALE:
 1" = 20'

SHEET NO.
C2.0



NOTES:
 1. THE CONTRACTOR SHALL CONFIRM WITH THE DESIGN TEAM THE LOCATIONS FOR THE REMOVAL OF THE EXISTING TREES, PLAYGROUND EQUIPMENT AND SITE FEATURES PRIOR TO THE START DEMOLITION. SEE LANDSCAPE PLANS AND SPECIFICATIONS FOR ADDITIONAL DETAILS.





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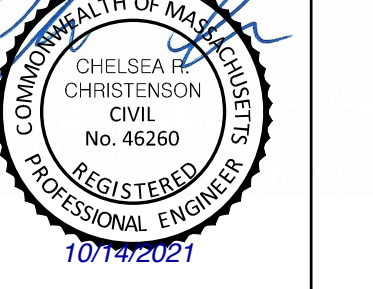
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No.	Description	Date
2	Addendum 2	9/27/21

No.	Description	Date

No.	Description	Date

No.	Description	Date

No.	Description	Date

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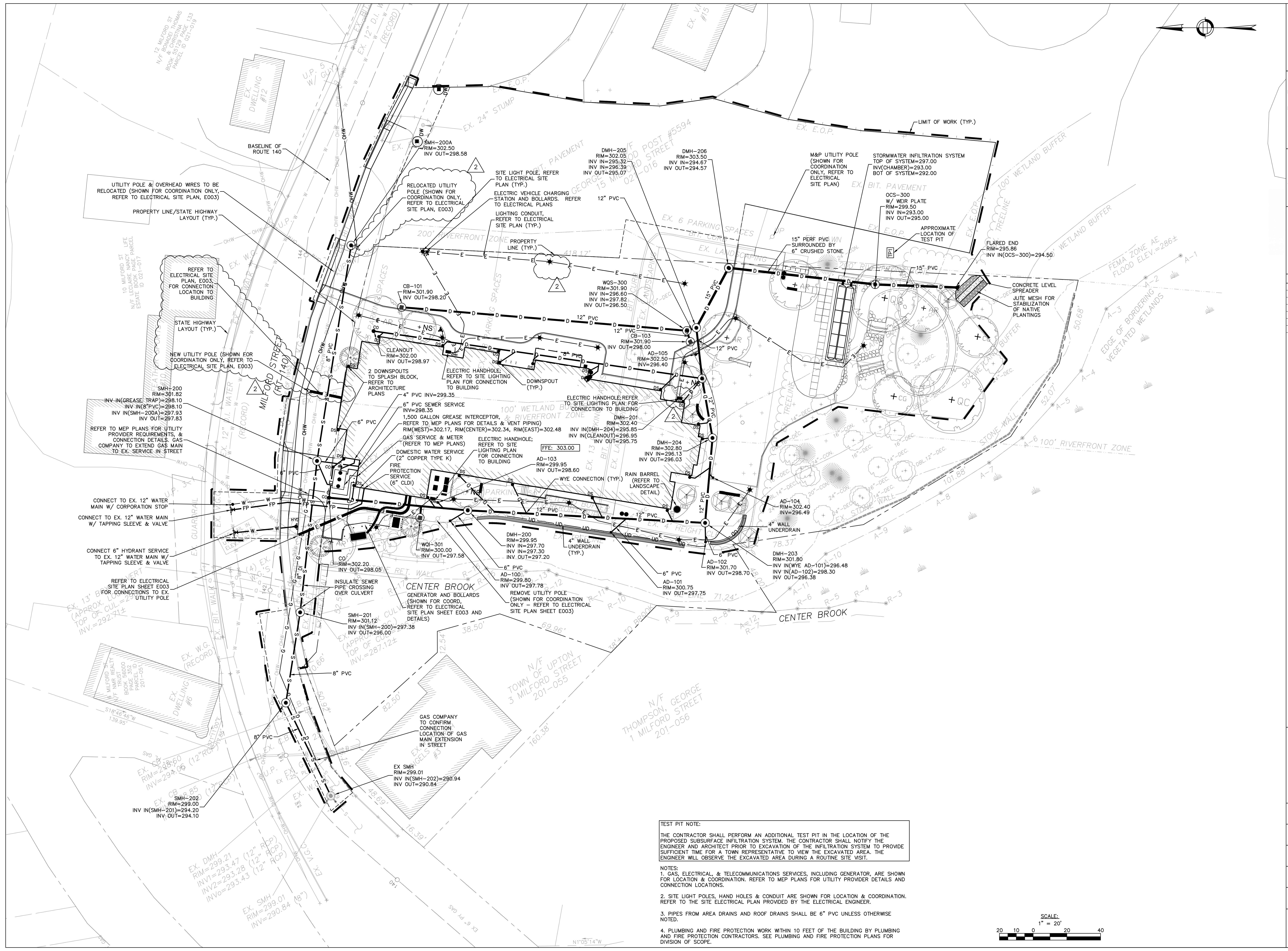
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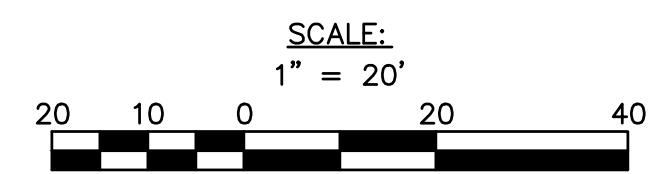
No.	Description	Date

No.	Description	Date



TEST PIT NOTE:
THE CONTRACTOR SHALL PERFORM AN ADDITIONAL TEST PIT IN THE LOCATION OF THE PROPOSED SUBSURFACE INFILTRATION SYSTEM. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND ARCHITECT PRIOR TO EXCAVATION OF THE INFILTRATION SYSTEM TO PROVIDE SUFFICIENT TIME FOR A TOWN REPRESENTATIVE TO VIEW THE EXCAVATED AREA. THE ENGINEER WILL OBSERVE THE EXCAVATED AREA DURING A ROUTINE SITE VISIT.

- NOTES:**
1. GAS, ELECTRICAL, & TELECOMMUNICATIONS SERVICES, INCLUDING GENERATOR, ARE SHOWN FOR LOCATION & COORDINATION. REFER TO MEP PLANS FOR UTILITY PROVIDER DETAILS AND CONNECTION LOCATIONS.
 2. SITE LIGHT POLES, HAND HOLES & CONDUIT ARE SHOWN FOR LOCATION & COORDINATION. REFER TO THE SITE ELECTRICAL PLAN PROVIDED BY THE ELECTRICAL ENGINEER.
 3. PIPES FROM AREA DRAINS AND ROOF DRAINS SHALL BE 6" PVC UNLESS OTHERWISE NOTED.
 4. PLUMBING AND FIRE PROTECTION WORK WITHIN 10 FEET OF THE BUILDING BY PLUMBING AND FIRE PROTECTION CONTRACTORS. SEE PLUMBING AND FIRE PROTECTION PLANS FOR DIVISION OF SCOPE.



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 TITLE: SITE UTILITY PLAN
 JOB NUMBER: 20-05 (NITSCH #14213)
 DRAWN BY: RMG
 CHECKED BY: RMG/CRC
 DATE: 9/8/2021
 SCALE: 1" = 20'
 SHEET NO.: C3.0



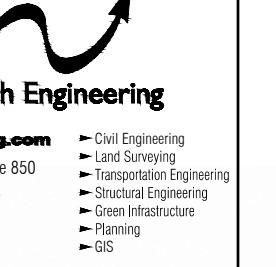
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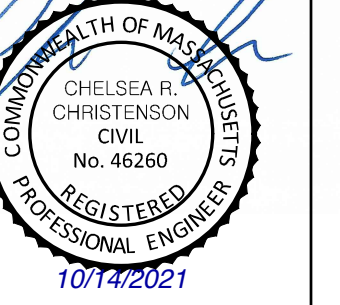
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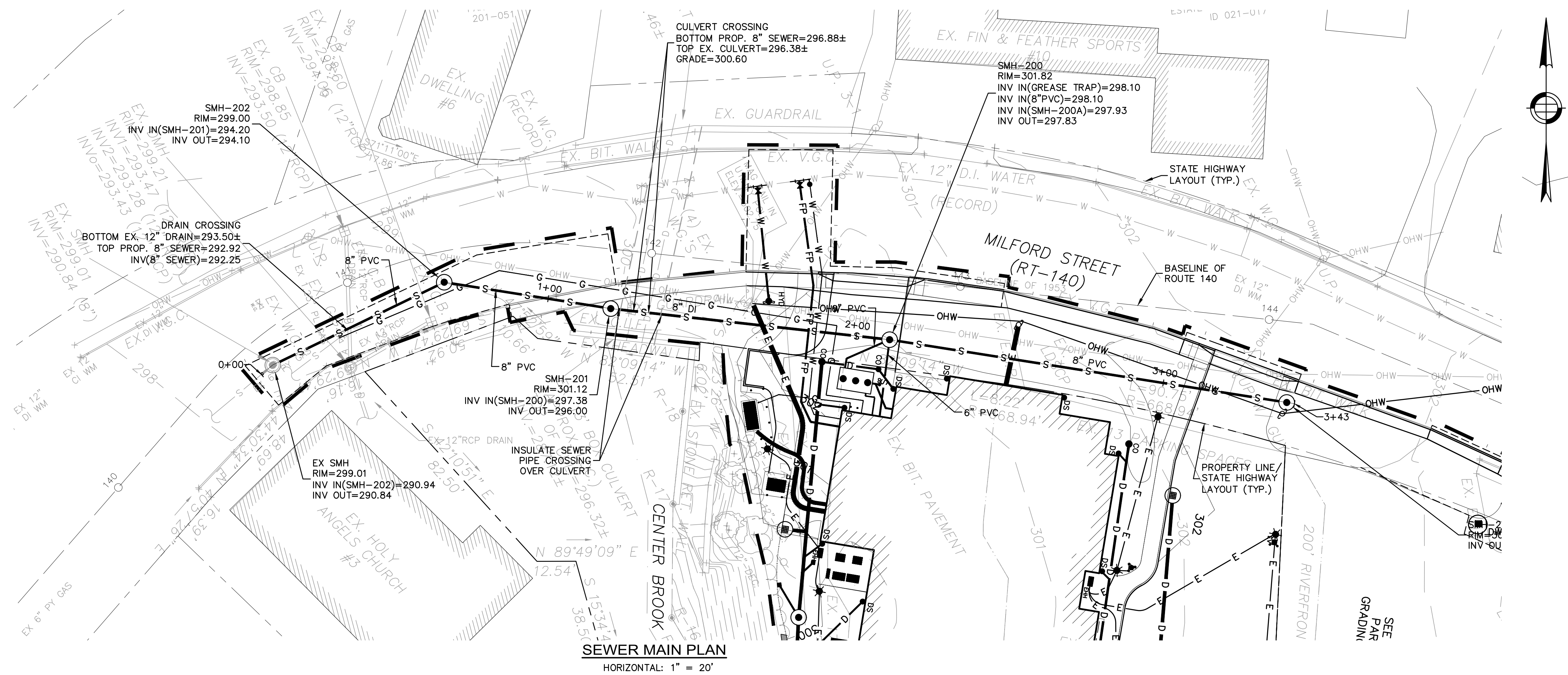


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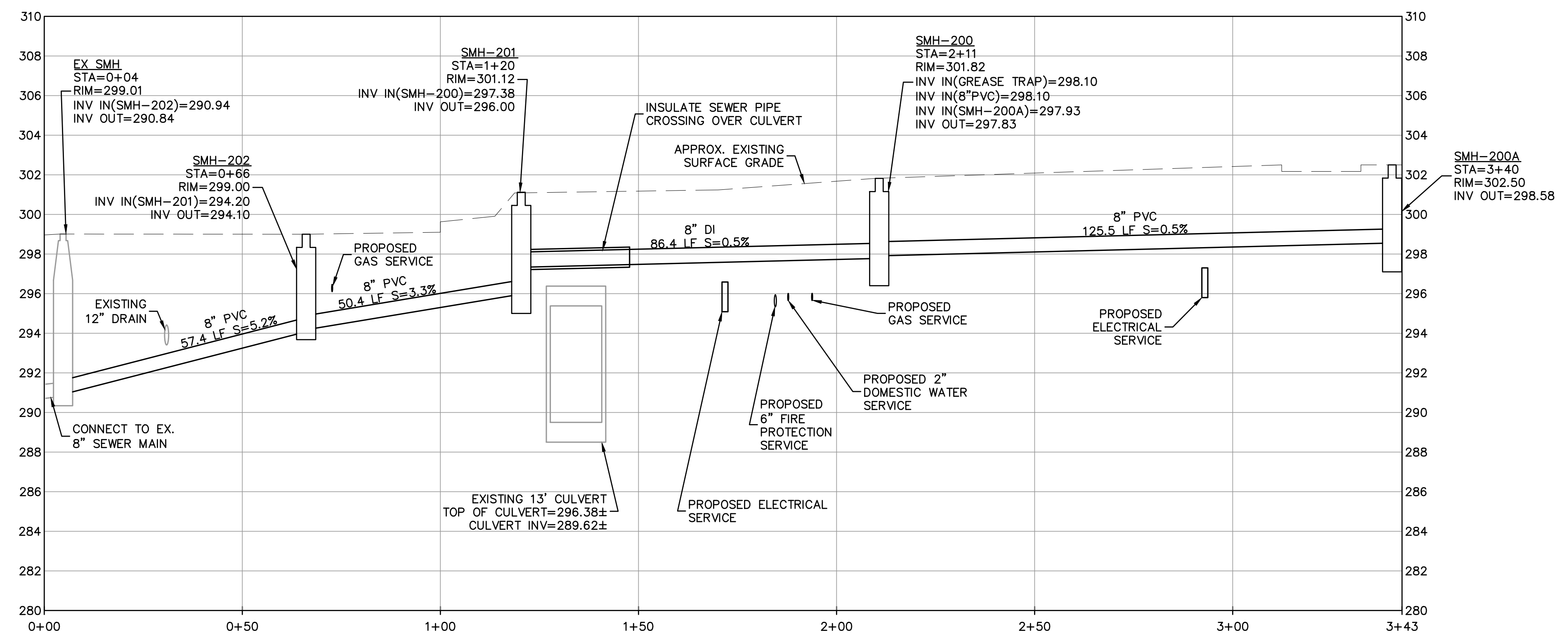


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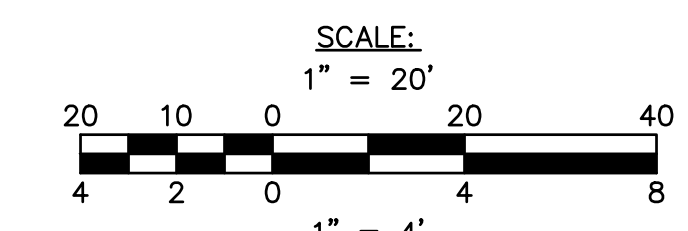
No.	Description	Date



SEWER MAIN PLAN
HORIZONTAL: 1" = 20'



SEWER MAIN PROFILE
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 4'



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SEWER MAIN PLAN & PROFILE

JOB NUMBER:
20-05 (NITSCH #14213)

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RMG

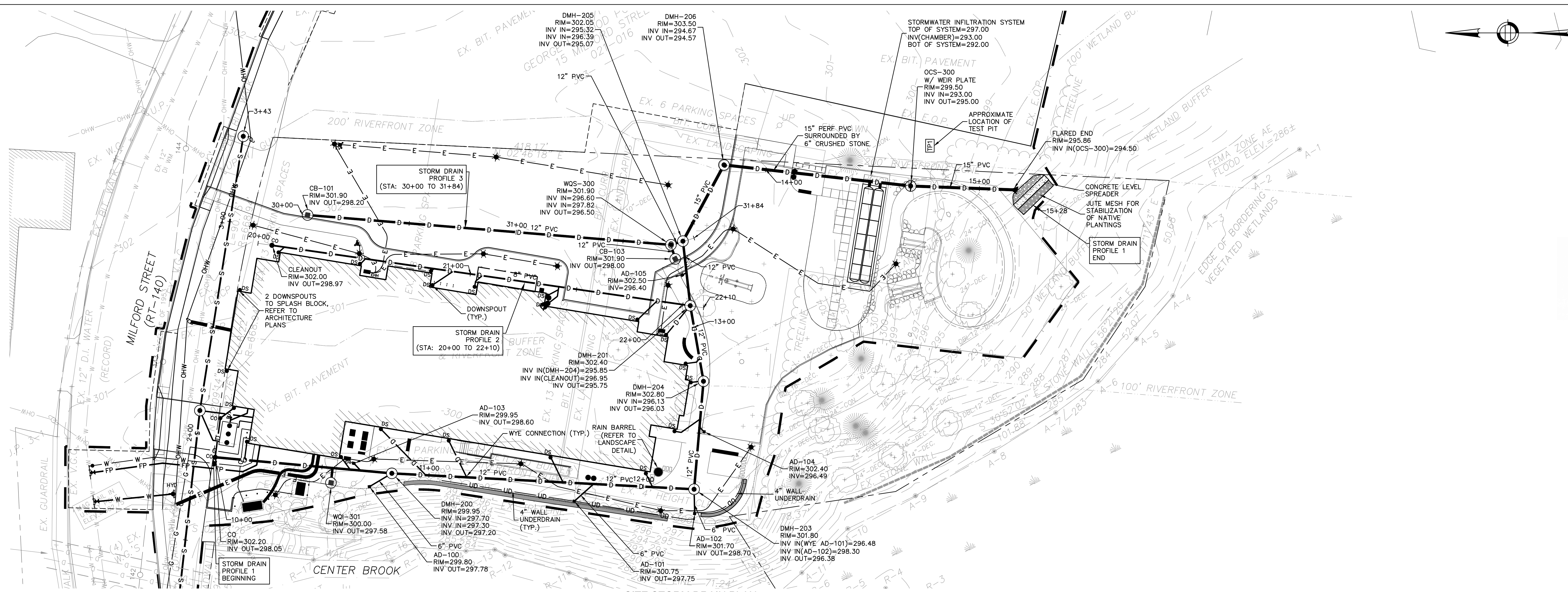
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RMG/CRC

DATE:
9/8/2021

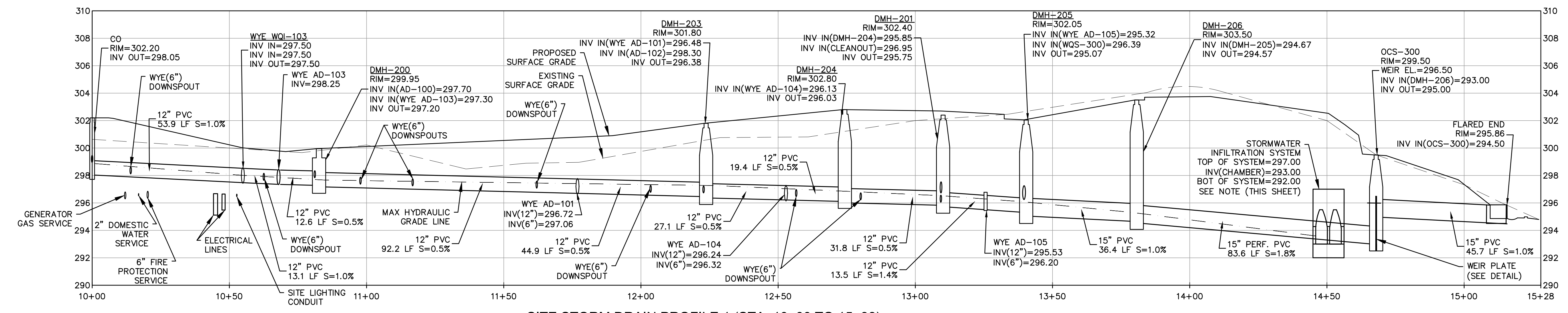
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SHEET NO.

C3.1

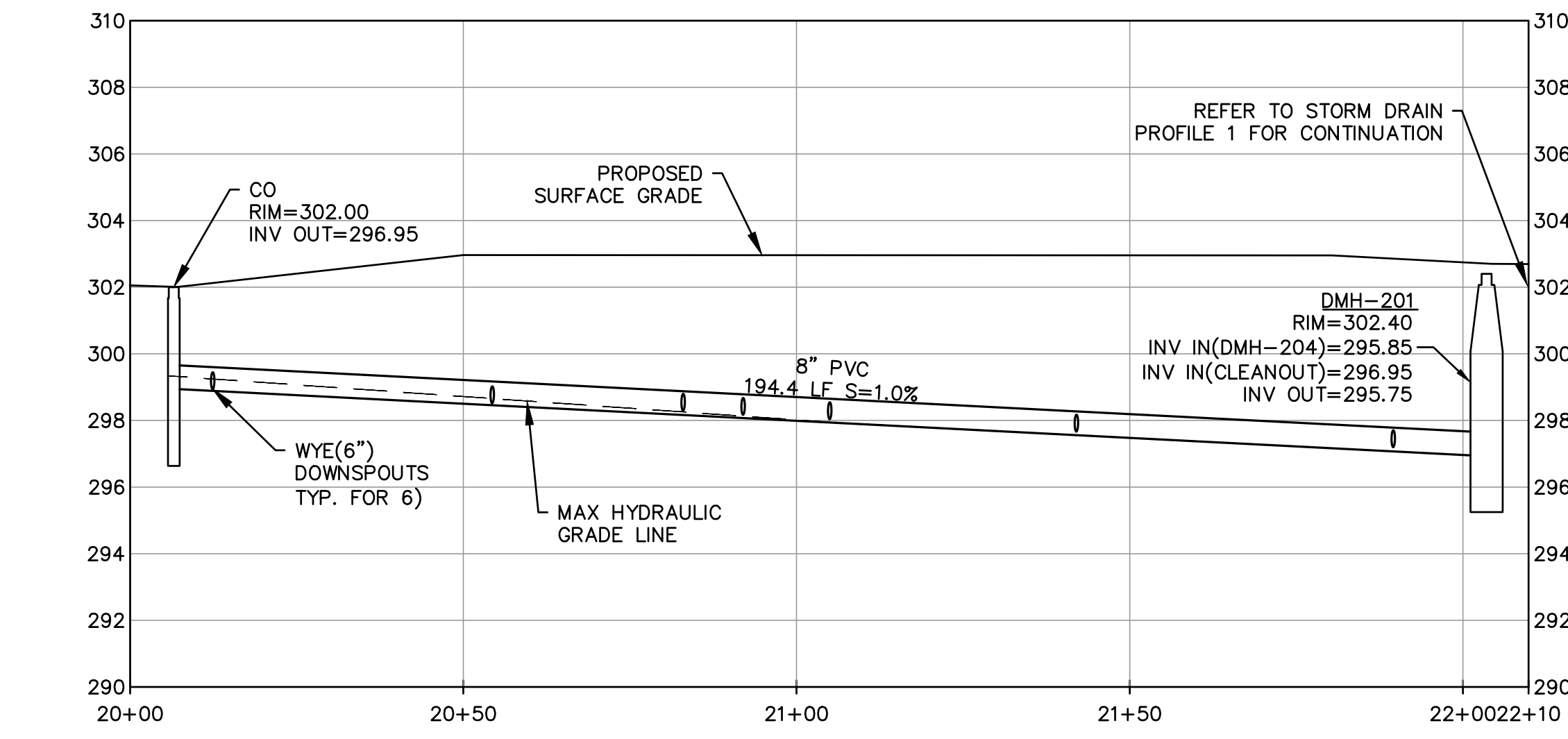


SITE STORM DRAIN PLAN
HORIZONTAL: 1" = 20'

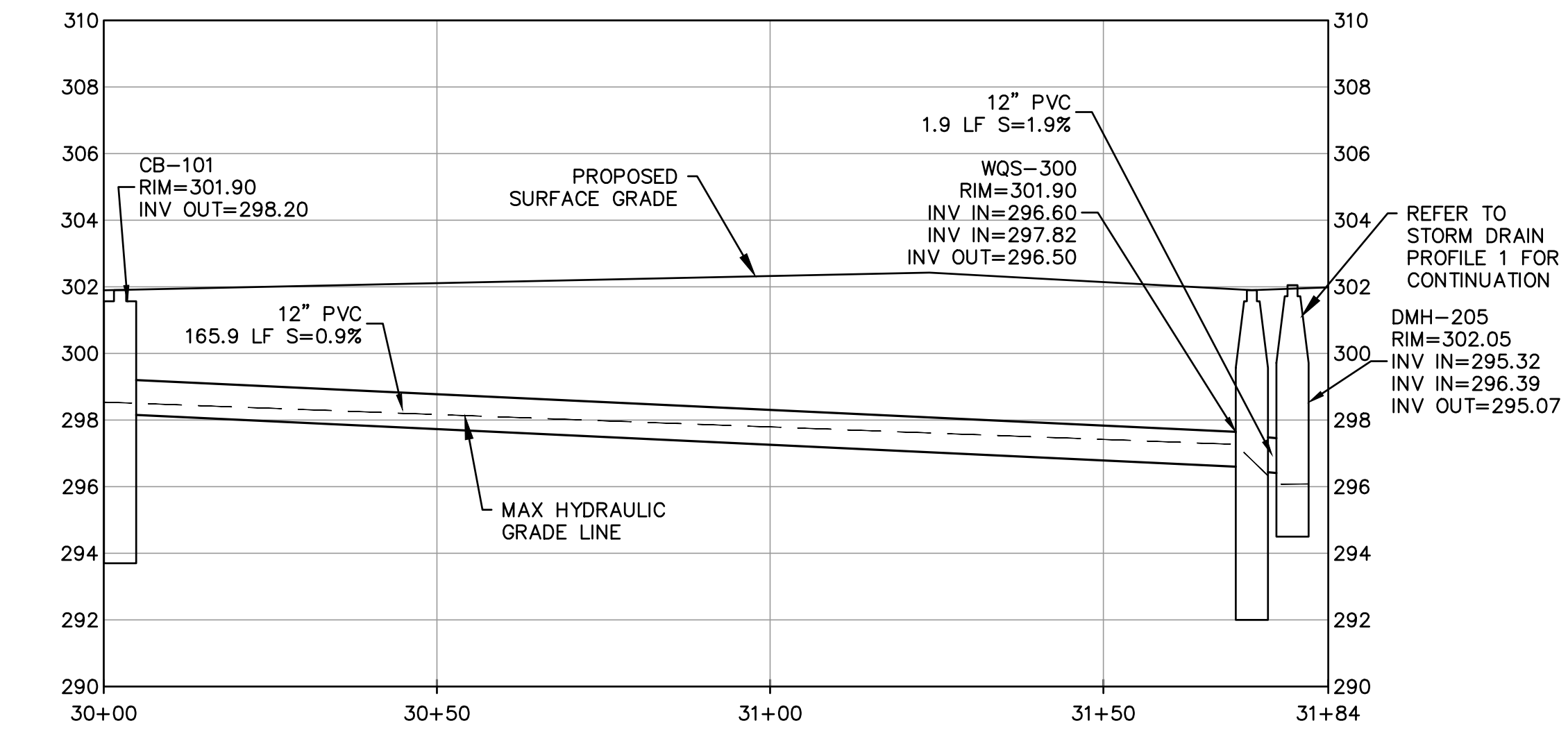


SITE STORM DRAIN PROFILE 1 (STA: 10+00 TO 15+38)
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 4'

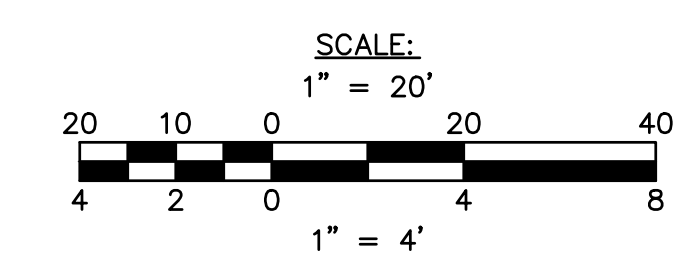
NOTE:
1) MINIMUM 2 FEET OF SEPERATION BETWEEN BOTTOM OF INFILTRATION SYSTEM AND GROUNDWATER TABLE. TEST PIT DOWN TO EL. 290.00' DID NOT ENCOUNTER GROUNDWATER.
2) NO REFUSAL AT BOTTOM OF TEST PIT AT EL. 290.00'.




SITE STORM DRAIN PROFILE 2 (STA: 20+00 TO 22+10)
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 4'




SITE STORM DRAIN PROFILE 3 (STA: 30+00 TO 31+84)
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 4'





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No.	Description	Date

TITLE:
**UPTON COMMUNITY CENTER
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UPTON MASS. 01568
100% CD-COMFORMANCE SET ADDENDA 1-4 INCORPORATED 10/6/2021**

JOB NUMBER:
20-05 (NITSCH #14213)

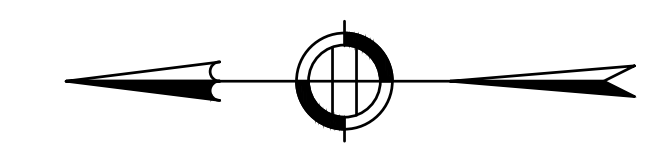
DRAWN BY:
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DATE:
9/8/2021

SCALE:
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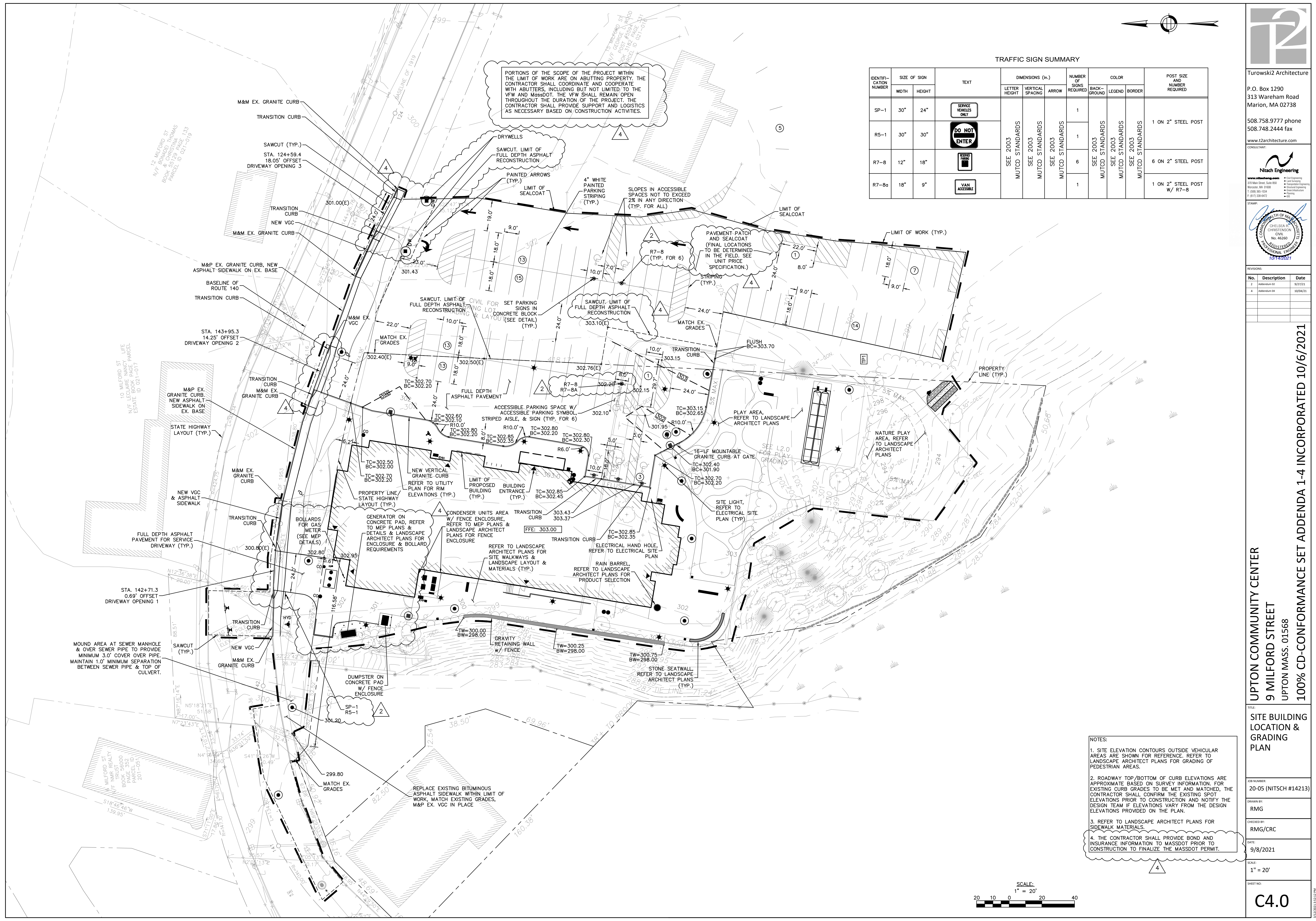
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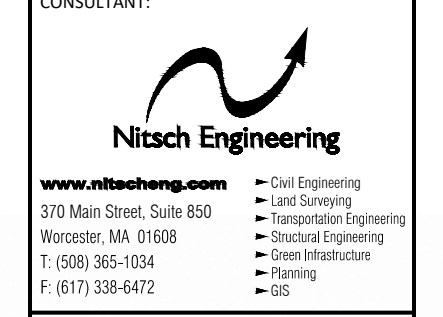
TRAFFIC SIGN SUMMARY

IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	DIMENSIONS (in.)			NUMBER OF SIGNS REQUIRED	COLOR		POST SIZE AND NUMBER REQUIRED
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW		BACKGROUND	BORDER	
SP-1	30"	24"	SERVICE VEHICLES ONLY	SEE 2003 MUTCD STANDARDS	SEE 2003 MUTCD STANDARDS	SEE 2003 MUTCD STANDARDS	1	SEE 2003 MUTCD STANDARDS	SEE 2003 MUTCD STANDARDS	1 ON 2" STEEL POST
R5-1	30"	30"	DO NOT ENTER	SEE 2003 MUTCD STANDARDS	SEE 2003 MUTCD STANDARDS	SEE 2003 MUTCD STANDARDS	1	SEE 2003 MUTCD STANDARDS	SEE 2003 MUTCD STANDARDS	1 ON 2" STEEL POST
R7-8	12"	18"	NO PARKING	SEE 2003 MUTCD STANDARDS	SEE 2003 MUTCD STANDARDS	SEE 2003 MUTCD STANDARDS	6	SEE 2003 MUTCD STANDARDS	SEE 2003 MUTCD STANDARDS	6 ON 2" STEEL POST
R7-8a	18"	9"	VAN ACCESSIBLE	SEE 2003 MUTCD STANDARDS	SEE 2003 MUTCD STANDARDS	SEE 2003 MUTCD STANDARDS	1	SEE 2003 MUTCD STANDARDS	SEE 2003 MUTCD STANDARDS	1 ON 2" STEEL POST W/ R7-8

PORTIONS OF THE SCOPE OF THE PROJECT WITHIN THE LIMIT OF WORK ARE ON ABUTTING PROPERTY. THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH ABUTTERS, INCLUDING BUT NOT LIMITED TO THE VFW AND MASSDOT. THE VFW SHALL REMAIN OPEN THROUGHOUT THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL PROVIDE SUPPORT AND LOGISTICS AS NECESSARY BASED ON CONSTRUCTION ACTIVITIES.



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No.	Description	Date
2	Addendum 02	9/27/21
4	Addendum 04	10/04/21

REVISIONS:

NO. 20-05 (NITSCH #14213)

DRAWN BY: RMG

CHECKED BY: RMG/CRC

DATE: 9/8/2021

SCALE: 1" = 20'

SHEET NO. C4.0

TITLE: SITE BUILDING LOCATION & GRADING PLAN

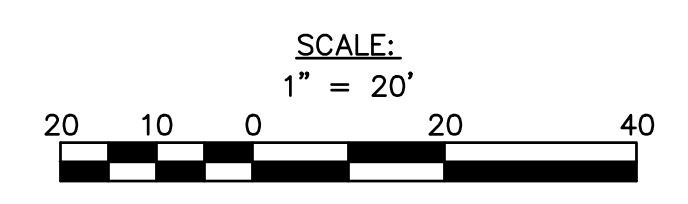
PROJECT: UPTON COMMUNITY CENTER

ADDRESS: 9 MILFORD STREET

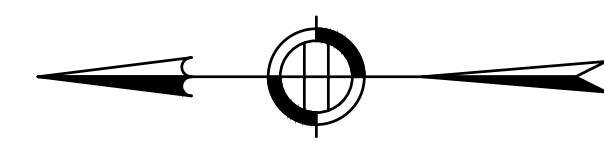
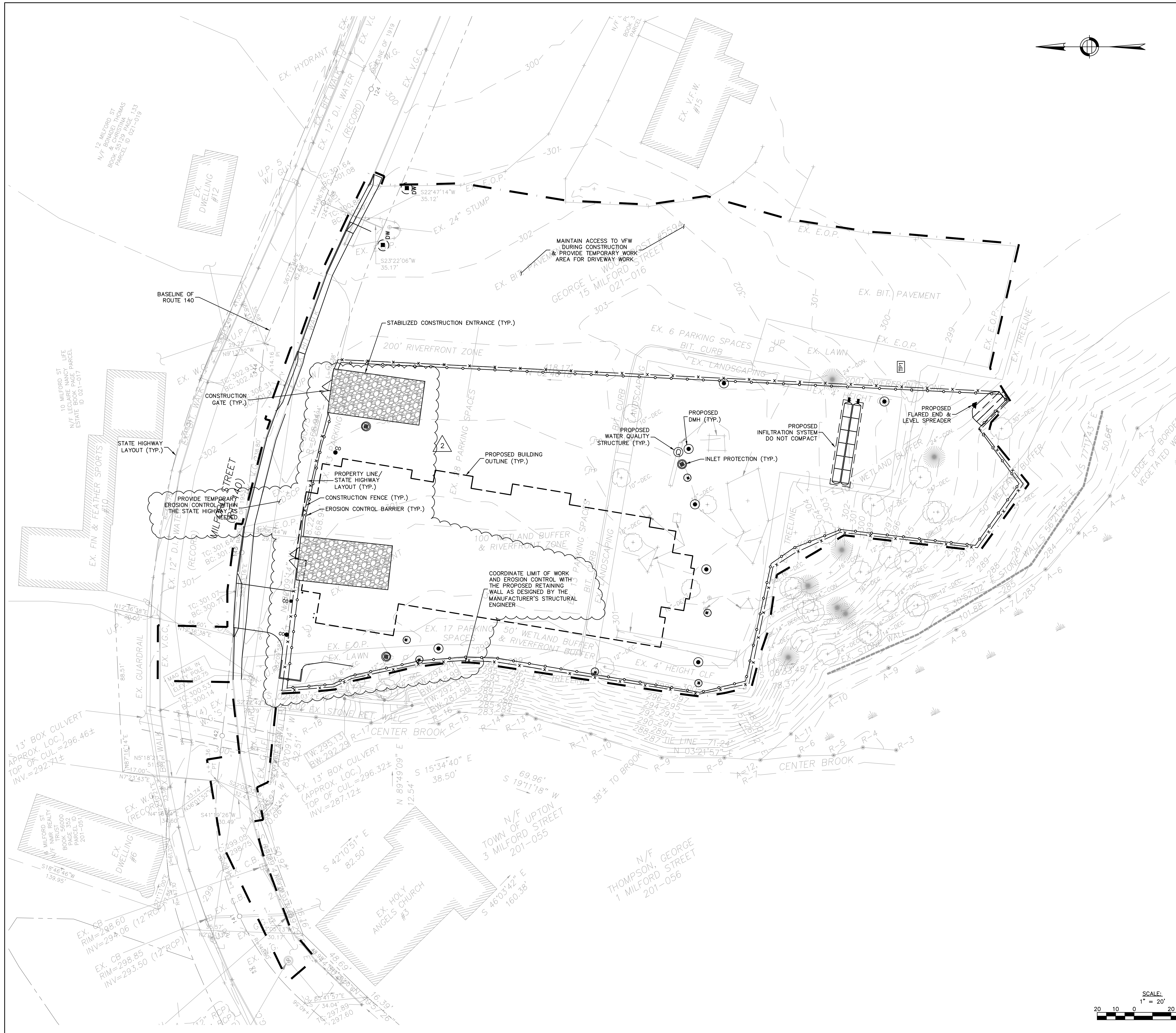
CITY: UPTON MASS. 01568

DATE: 100% CD-COMFORMANCE SET ADDENDA 1-4 INCORPORATED 10/6/2021

- NOTES:
1. SITE ELEVATION CONTOURS OUTSIDE VEHICULAR AREAS ARE SHOWN FOR REFERENCE. REFER TO LANDSCAPE ARCHITECT PLANS FOR GRADING OF PEDESTRIAN AREAS.
 2. ROADWAY TOP/BOTTOM OF CURB ELEVATIONS ARE APPROXIMATE BASED ON SURVEY INFORMATION. FOR EXISTING CURB GRADES TO BE MET AND MATCHED, THE CONTRACTOR SHALL CONFIRM THE EXISTING SPOT ELEVATIONS PRIOR TO CONSTRUCTION AND NOTIFY THE DESIGN TEAM IF ELEVATIONS VARY FROM THE DESIGN ELEVATIONS PROVIDED ON THE PLAN.
 3. REFER TO LANDSCAPE ARCHITECT PLANS FOR SIDEWALK MATERIALS.
 4. THE CONTRACTOR SHALL PROVIDE BOND AND INSURANCE INFORMATION TO MASSDOT PRIOR TO CONSTRUCTION TO FINALIZE THE MASSDOT PERMIT.



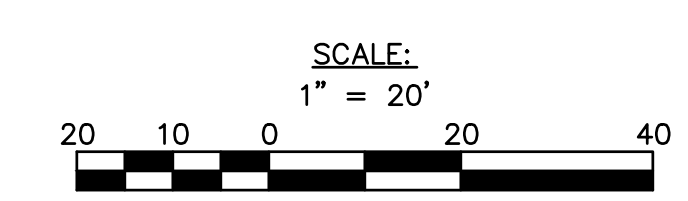
C4.0



- NOTES:**
- ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH PUBLISHED EROSION CONTROL AND SEDIMENT GUIDELINES FOR MASSACHUSETTS (SEE REFERENCE BELOW, NOTE #7).
 - ANY EROSION AND SEDIMENT CONTROL MEASURES FOR THE STABILIZATION OF SLOPES ARE TEMPORARY FOR CONSTRUCTION PHASES ONLY. SEE GRADING PLAN FOR FINAL STABILIZATION OF SLOPES.
 - SEDIMENT CONTROL MEASURES SHALL BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF AND DURING ALL PHASES OF CONSTRUCTION AND BE CONSTRUCTED PRIOR TO AND IMMEDIATELY AFTER ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL ON THE SITE.
 - PERIODIC INSPECTION AND MAINTENANCE OF ALL SEDIMENT CONTROL STRUCTURES SHALL BE PROVIDED TO ENSURE THAT THE INTENDED PURPOSE IS ACCOMPLISHED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SEDIMENT LEAVING THE LIMIT OF WORK. SEDIMENT CONTROL MEASURES SHALL BE IN WORKING CONDITION AT THE END OF EACH WORKING DAY.
 - ALL POINTS OF CONSTRUCTION INGRESS OR EGRESS WILL BE PROTECTED WITH A STABILIZED CONSTRUCTION ENTRANCE TO PREVENT TRACKING OF MUD ONTO PUBLIC WAYS.
 - ALL SEDIMENT WILL BE PREVENTED FROM ENTERING ANY STORM DRAINAGE SYSTEM (I.E. THROUGH THE USE OF STRAW BALES, CATCH BASIN SEDIMENT TRAPS, GRAVEL, BOARDS OR OTHER APPLICABLE METHODS).
 - THE CONTRACTOR INSTALLING THE ABOVE SHALL OBTAIN AND FOLLOW THE "MASSACHUSETTS EROSION AND SEDIMENT CONTROL GUIDELINES FOR URBAN AND SUBURBAN AREAS" PREPARED BY DEPARTMENT OF ENVIRONMENTAL PROTECTION, BUREAU OF RESOURCE PROTECTION, DATED MAY 1997, REPRINTED MAY 2003 (OR LATEST EDITION) AND THE 2012 NPDES GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES, OR LATEST EDITION. PROVIDE AN ADDITIONAL COPY OF BOTH DOCUMENTS TO THE OWNER'S PROJECT MANAGER.
 - ALL DRAINAGE SWALES AND GROUND SURFACES WITHIN THE LIMIT OF WORK SHALL BE PROTECTED.
 - AFTER ANY SIGNIFICANT RAINFALL (0.25" OR GREATER), SEDIMENT CONTROL STRUCTURES SHALL BE INSPECTED FOR INTEGRITY. ANY DAMAGED DEVICES SHALL BE CORRECTED IMMEDIATELY.
 - ALL STOCKPILES SHALL BE PROTECTED AND LOCATED WITHIN THE LIMIT OF WORK. SOIL STOCKPILES SHALL BE PROTECTED FROM CONTACT WITH ON-SITE STORMWATER RUNOFF USING TEMPORARY PERIMETER SEDIMENT BARRIERS. A COVER (TARP) OR APPROPRIATE TEMPORARY STABILIZATION WILL BE PROVIDED TO MINIMIZE SEDIMENT DISCHARGE.
 - STABILIZED PORTIONS OF A SITE SHALL BE INSPECTED AT LEAST ONCE PER MONTH.
 - ANY SEDIMENT TRACKED ONTO PAVED AREAS SHALL BE SWEEPED AT THE END OF EACH WORKING DAY.
 - ALL DEBRIS GENERATED DURING SITE PREPARATION ACTIVITIES SHALL BE LEGALLY DISPOSED OF OFF-SITE.
 - TEMPORARY DIVERSION DITCHES, PERMANENT DITCHES, CHANNELS, EMBANKMENTS AND ANY DENuded SURFACE WHICH WILL BE EXPOSED FOR A PERIOD OF 14 CALENDAR DAYS OR MORE SHALL BE CONSIDERED CRITICAL VEGETATION AREAS. THESE AREAS SHALL BE MULCHED WITH STRAW. MULCH SHALL BE SPREAD UNIFORMLY IN A CONTINUOUS BLANKET OF SUFFICIENT THICKNESS TO COMPLETELY HIDE THE SOIL FROM VIEW.
 - AN EROSION CONTROL BARRIER SHALL BE INSTALLED ALONG THE EDGE OF PROPOSED DEVELOPMENT AS INDICATED IN THE PLAN PRIOR TO COMMENCEMENT OF DEMOLITION OR CONSTRUCTION OPERATIONS.
 - THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ALL EROSION AND SEDIMENT CONTROLS AT THE COMPLETION OF SITE CONSTRUCTION UPON APPROVAL OF THE CONSERVATION COMMISSION.
 - MEANS OF EROSION AND SEDIMENT PROTECTION AS NOTED ON THE DRAWINGS INDICATE THE MINIMUM PROVISIONS NECESSARY. ADDITIONAL MEANS OF PROTECTION SHALL BE PROVIDED BY THE CONTRACTOR AS REQUIRED FOR CONTINUED OR UNFORESEEN EROSION PROBLEMS, AT NO ADDITIONAL EXPENSE TO THE OWNER.
 - THE CONTRACTOR SHALL USE TEMPORARY SEEDING, MULCHING OR OTHER APPROVED STABILIZATION MEASURES TO PROTECT EXPOSED AREAS DURING PROLONGED CONSTRUCTION OR OTHER LAND DISTURBANCE. STOCKPILES THAT WILL BE EXPOSED FOR LONGER THAN 14 CALENDAR DAYS SHALL BE SEED WITH AN ANNUAL RYE.
 - SEE LANDSCAPE DRAWINGS FOR TREE PROTECTION DETAILS.

- LEGEND**
- EROSION CONTROL BARRIER
 - CONSTRUCTION FENCE
 - LIMIT OF WORK
 - INLET PROTECTION (PROVIDE ON ALL EXISTING AND PROPOSED CATCH BASINS AND AREA DRAINS)
 - STABILIZED CONSTRUCTION ENTRANCE
 - CONSTRUCTION GATE

- ABBREVIATIONS**
- CB CATCH BASIN
 - DMH DRAIN MANHOLE
 - TYP. TYPICAL



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No.	Description	Date
2	ADDENDUM 029/27/2021	

UPTON COMMUNITY CENTER
 9 MILFORD STREET
 UPTON MASS. 01568
 100% CD-CONFORMANCE SET ADDENDA 1-4 INCORPORATED 10/6/2021

TITLE:
EROSION & SEDIMENTATION CONTROL PLAN

JOB NUMBER:
20-05 (NITSCH #14213)

DRAWN BY:
RMG

CHECKED BY:
RMG/CRC

DATE:
9/8/2021

SCALE:

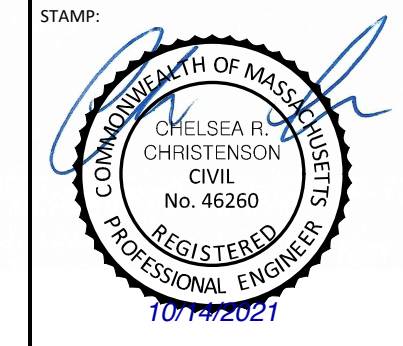
SHEET NO.:
C5.0



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CONSULTANT



REVISIONS:

No.	Description	Date

100% CD-COMFORMANCE SET ADDENDA 1-4 INCORPORATED 10/6/2021

UPTON COMMUNITY CENTER
 9 MILFORD STREET
 UPTON MASS. 01568

EROSION & SEDIMENTATION CONTROL DETAILS

DATE: 9/8/2021
 SCALE: 1" = 20'

20-05 (NITSCH #14213)

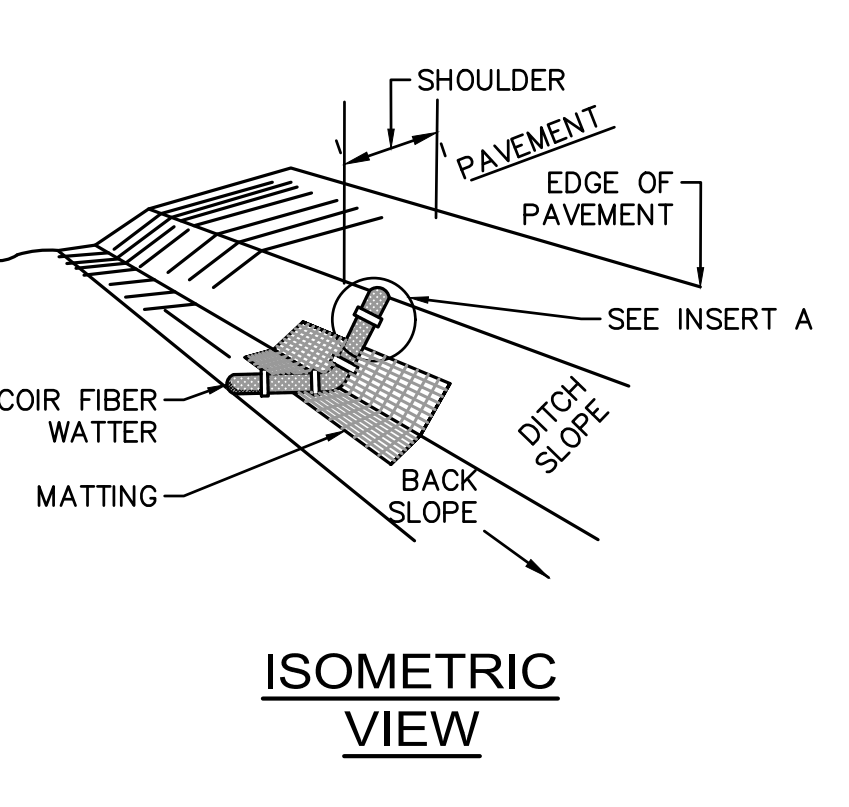
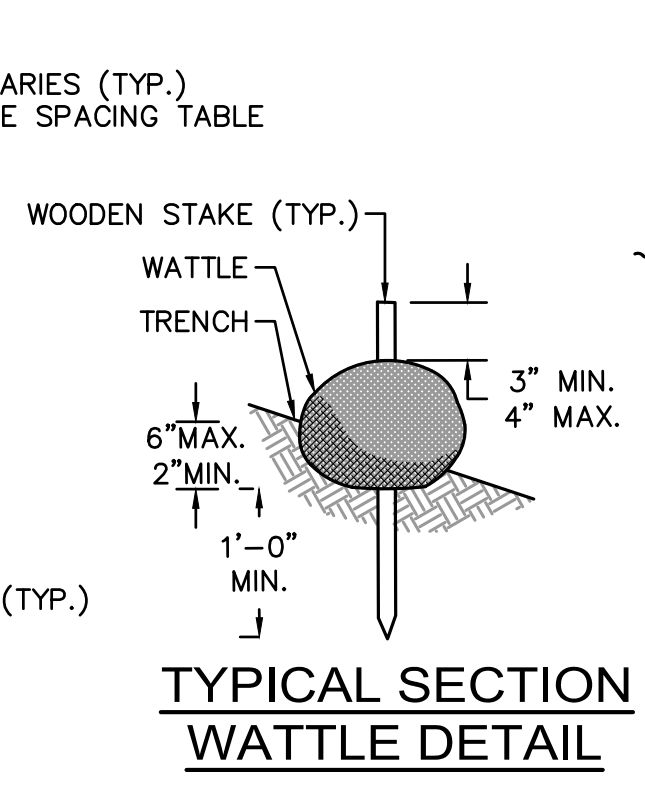
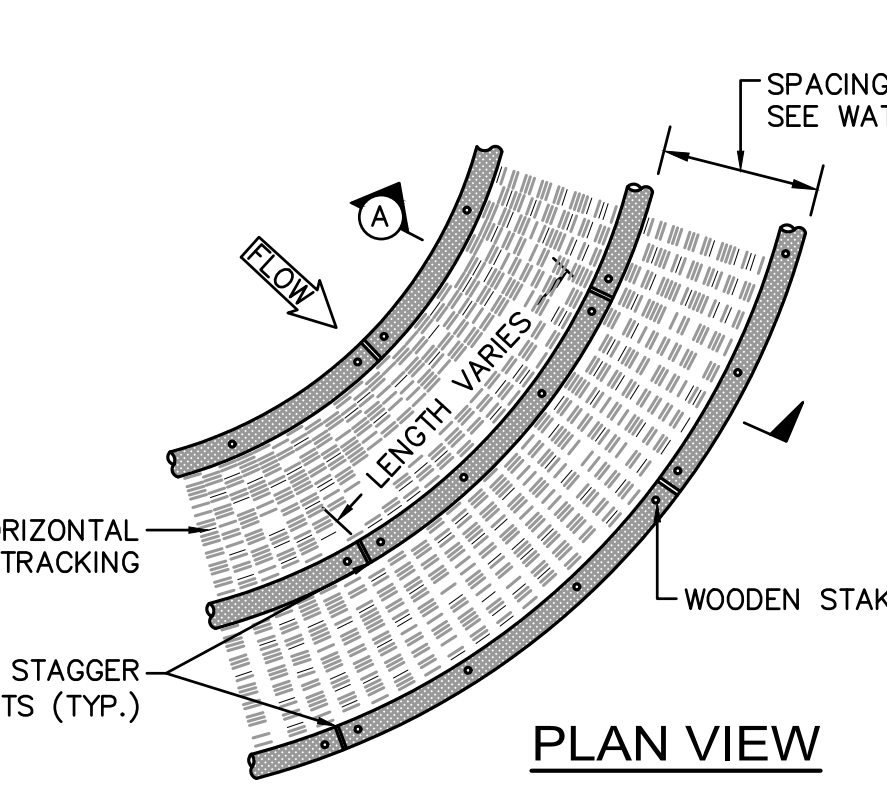
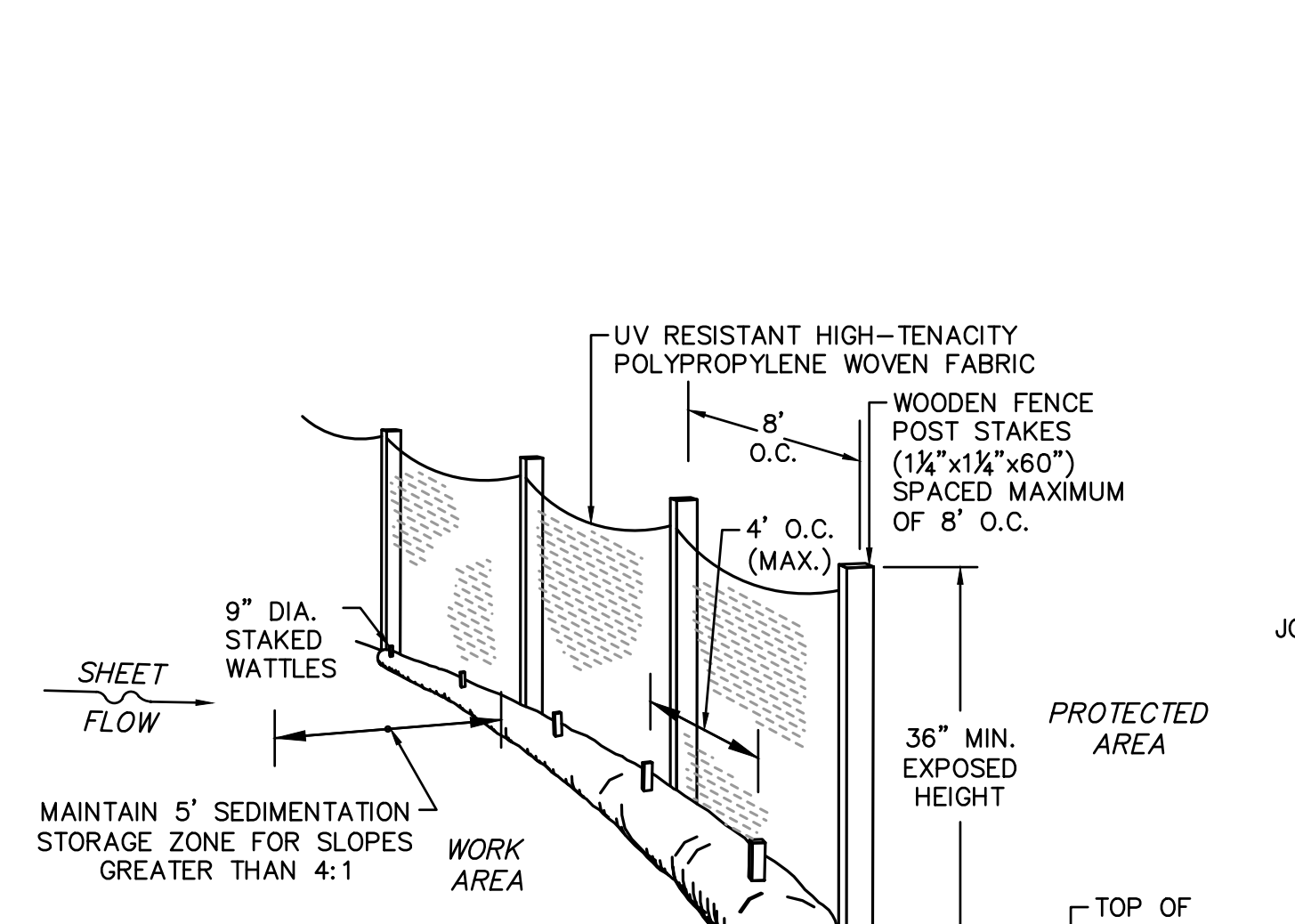
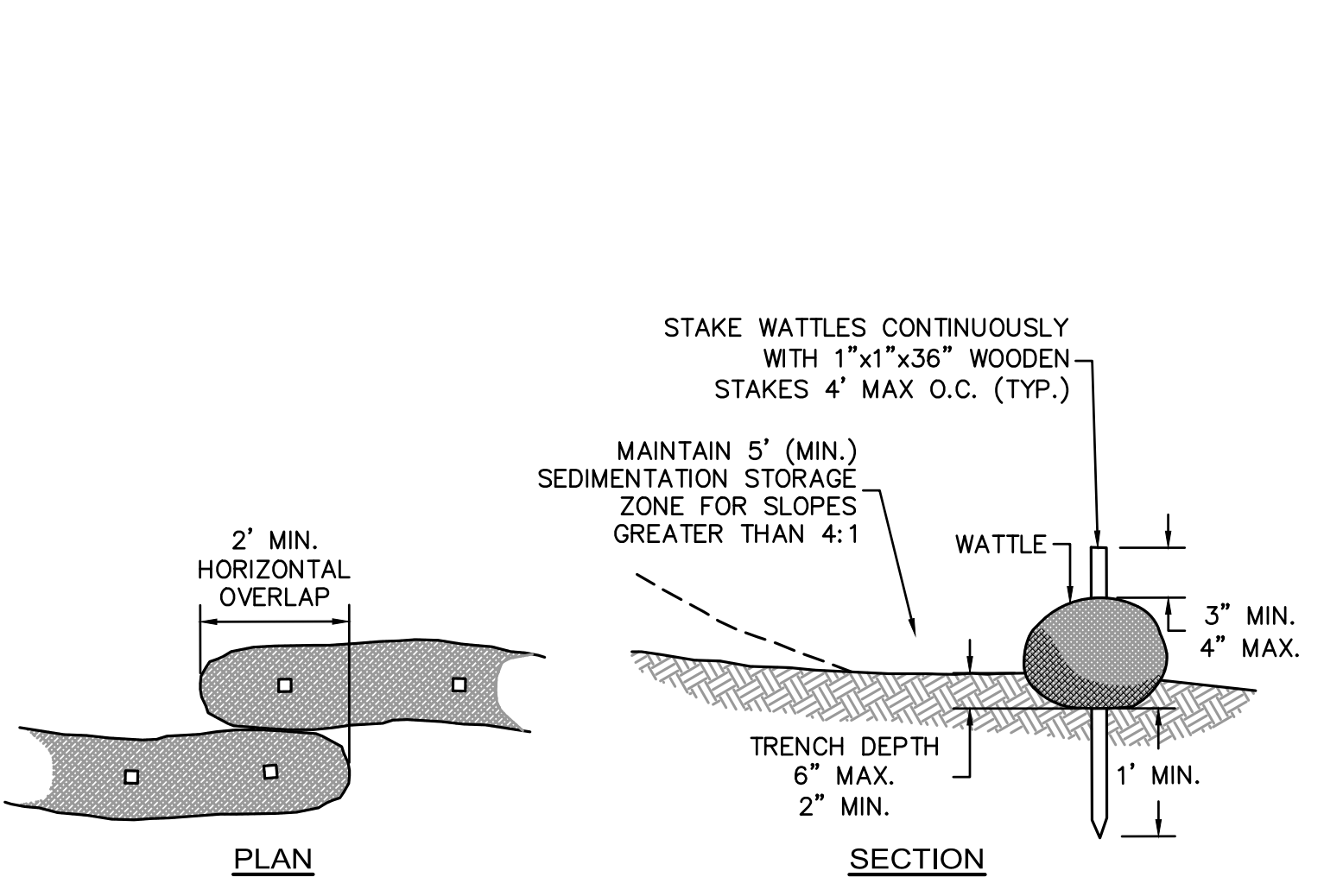
RMG

RMG/CRC

9/8/2021

1" = 20'

C5.1



NOTE: ACCEPTABLE TYPES OF WATTLES ARE COIR (COCONUT FIBER), COMPOST, OR STRAW

NOTE: NOT FOR CONCENTRATED FLOWS

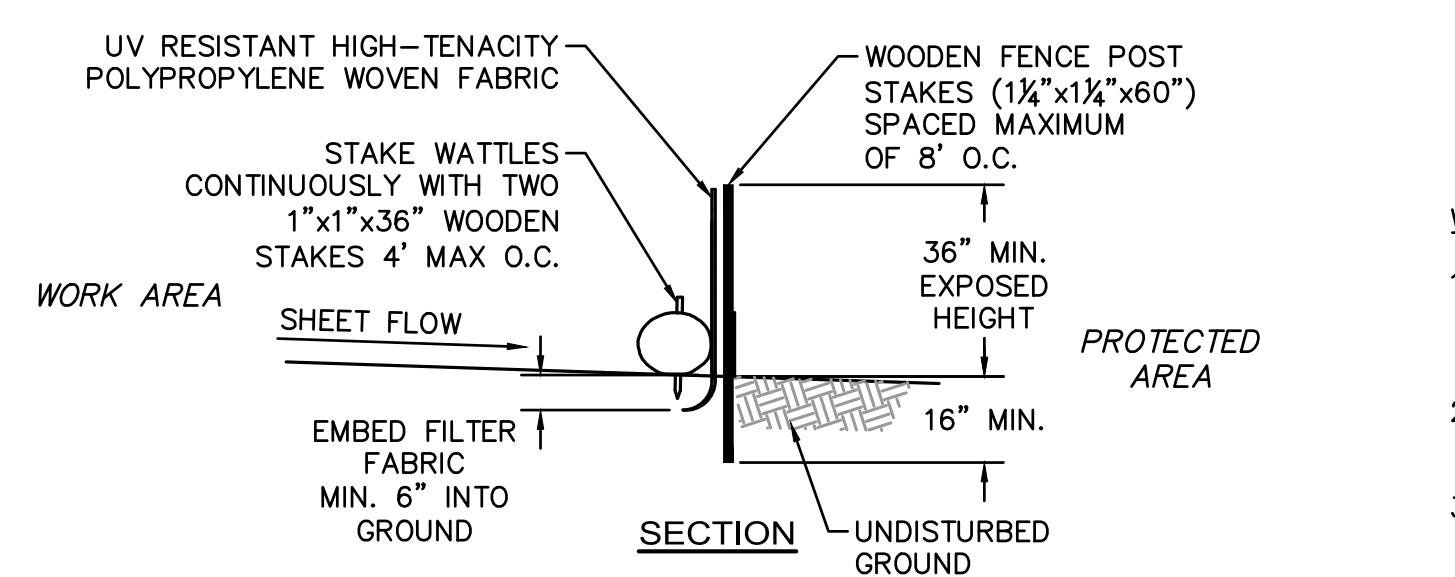
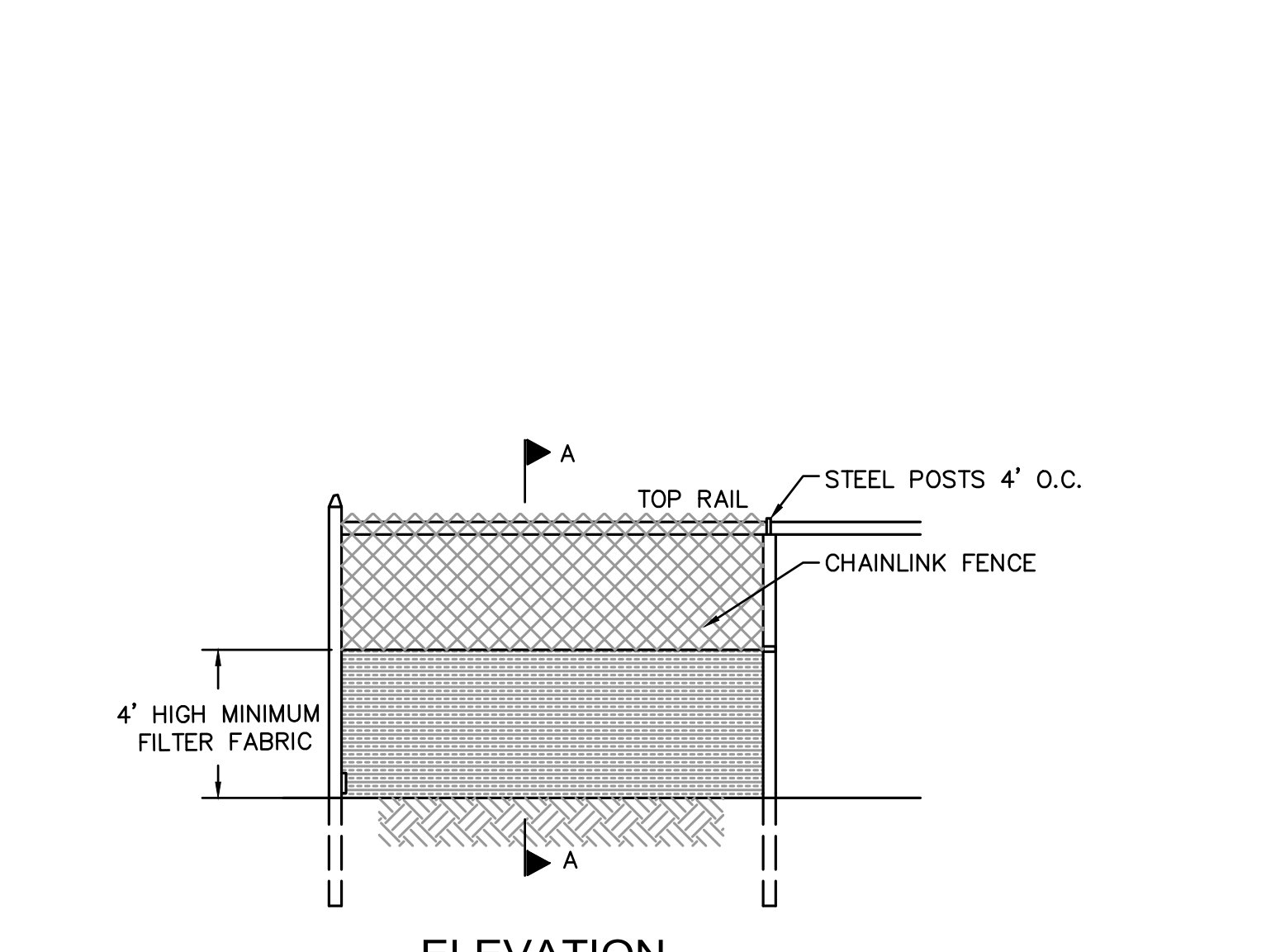
- TYPES OF WATTLES
- COIR (COCONUT FIBER)
 - COMPOST
 - STRAW

SLOPE	MAX. SPACING
1:1	10'-0"
2:1	20'-0"
3:1	30'-0"
4:1	40'-0"

- WATTLE SLOPE PROTECTION NOTES:
1. SECURELY KNOT EACH END OF WATTLE. ABUT ADJACENT WATTLES TIGHTLY, END TO END, WITHOUT OVERLAPPING THE ENDS.
 2. PILOT HOLES MAY BE DRIVEN THROUGH THE WATTLES AND INTO THE SOIL WHEN SOIL CONDITIONS REQUIRE.
 3. WATTLES SHALL BE INSPECTED REGULARLY, AND IMMEDIATELY AFTER A RAINFALL PRODUCES RUNOFF, TO ENSURE THEY REMAIN THOROUGHLY ENTRENCHED AND IN CONTACT WITH THE SOIL.
 4. ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

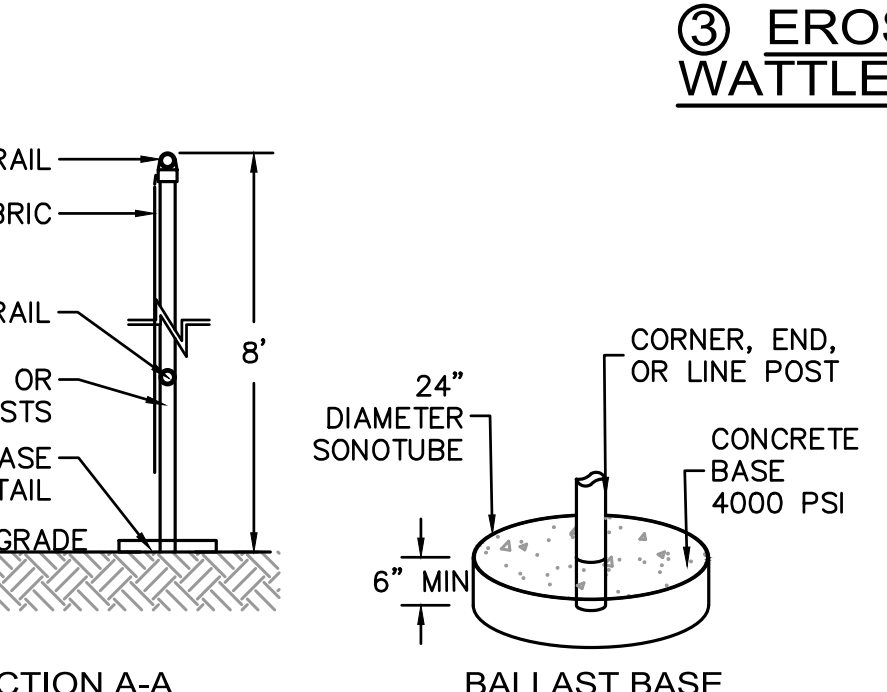
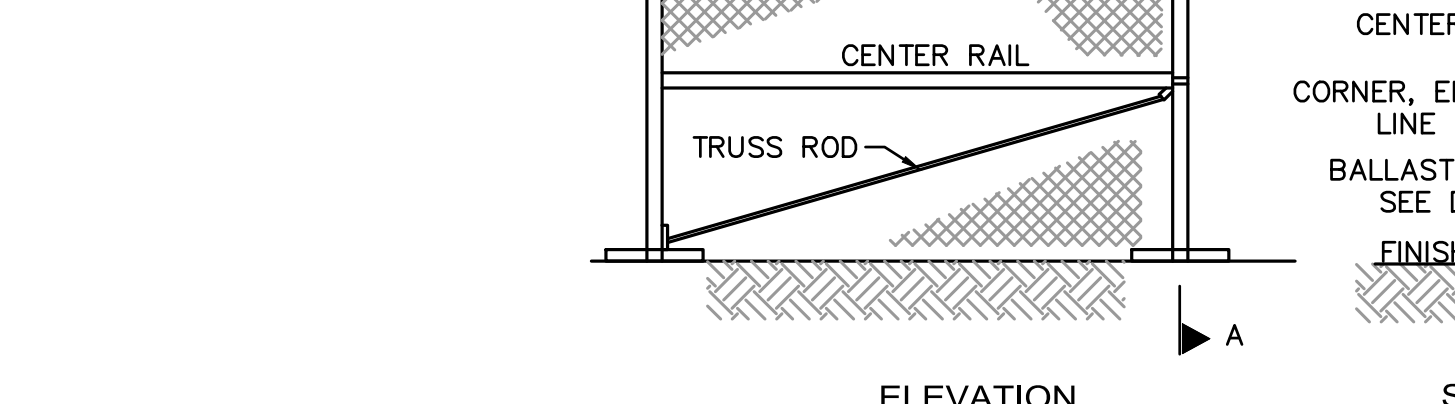
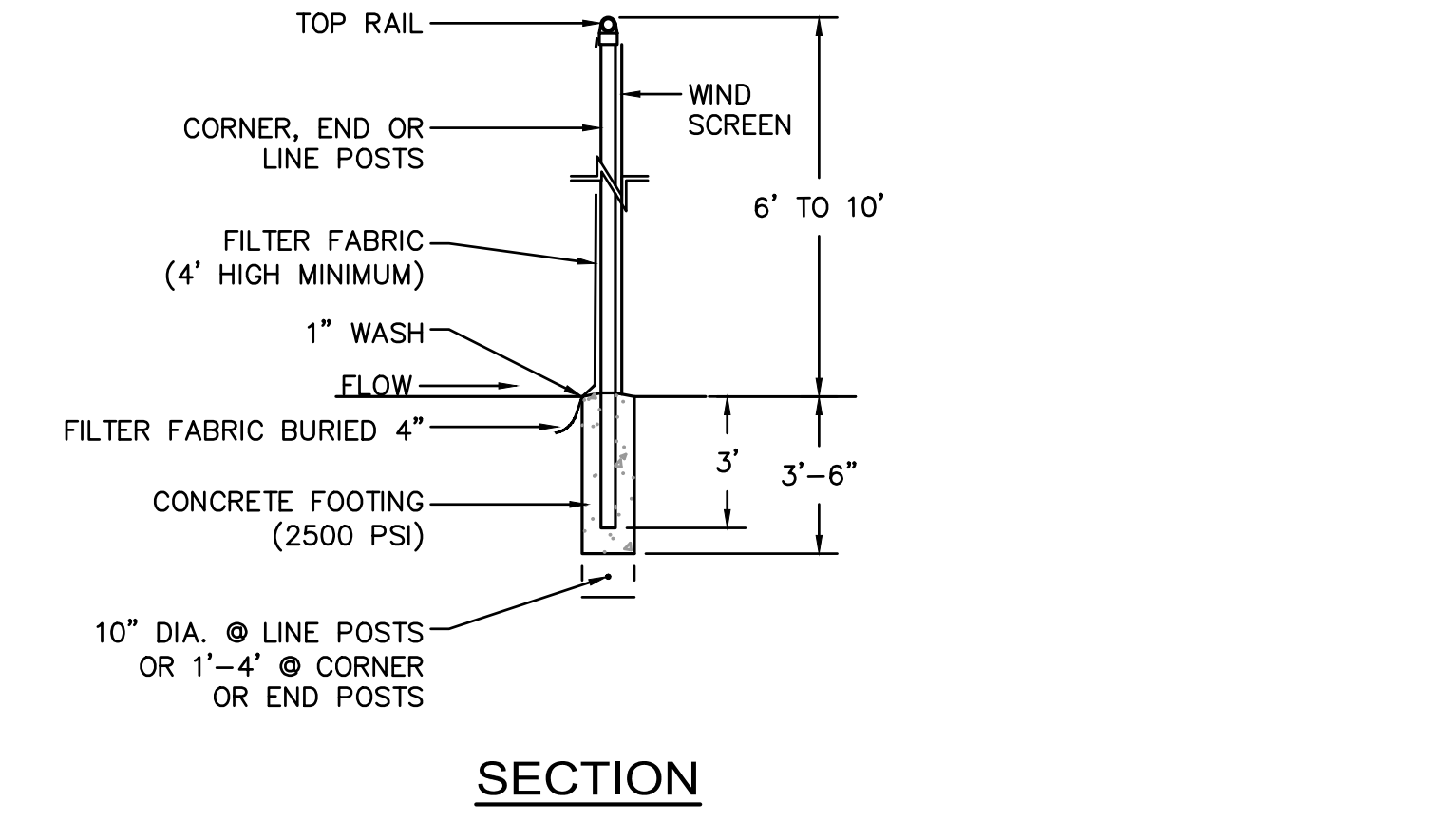
EROSION CONTROL BARRIER
WATTLES FOR SLOPES LESS THAN 10:1
 NOT TO SCALE

PERIMETER EROSION CONTROL BARRIER DETAIL
SILT FENCE WITH WATTLES
 NOT TO SCALE



- TYPES OF WATTLES
- COIR (COCONUT FIBER)
 - COMPOST
 - STRAW

EROSION CONTROL BARRIER (E)
WATTLES - STEEP SLOPE PROTECTION
 NOT TO SCALE



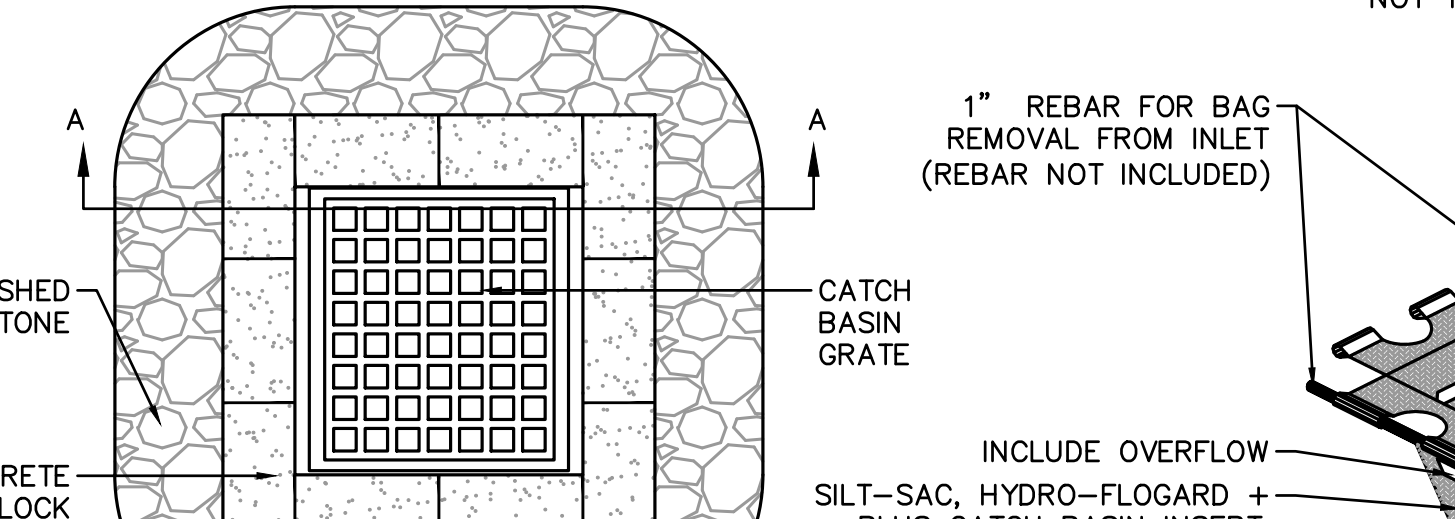
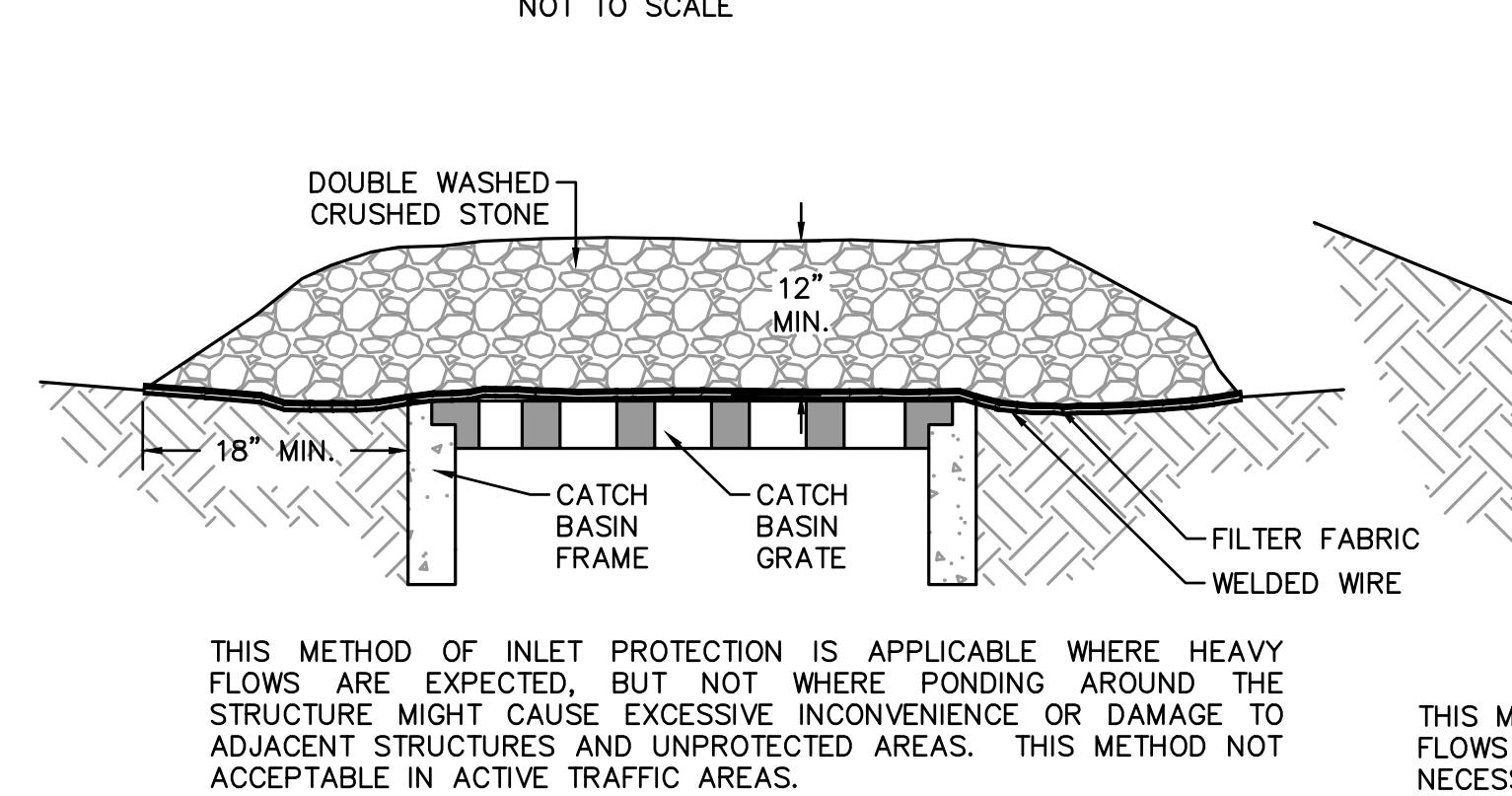
- NOTES:
1. END, GATE AND CORNER POSTS SHALL BE BRACED TO ADJACENT LINE POSTS. (MORE THAN 30' CHANGE IN DIRECTION CONSTITUTES A CORNER)
 2. FABRIC SHALL BE 0.148\"/>

- NOTES:
1. END, GATE AND CORNER POSTS SHALL BE BRACED TO ADJACENT LINE POSTS. (MORE THAN 30' CHANGE IN DIRECTION CONSTITUTES A CORNER)
 2. FABRIC SHALL BE 0.148\"/>

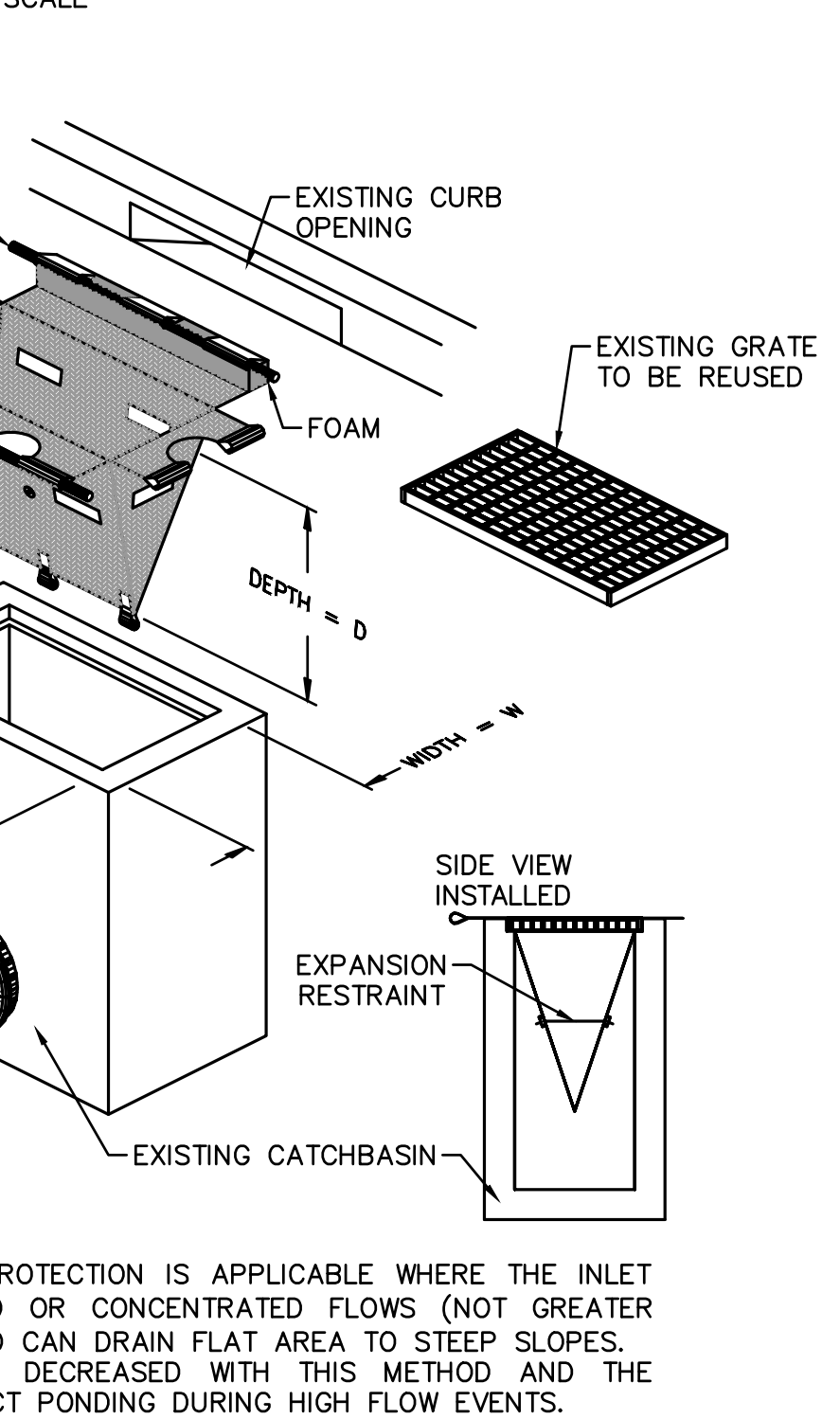
1. CHAINLINK FENCE SHALL BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES.
2. FILTER FABRIC SHALL BE FASTENED SECURELY TO CHAINLINK FENCE WITH TIES SPACED HORIZONTALLY 24\"/>

TEMPORARY CHAIN LINK CONSTRUCTION FENCE
WITH BALLAST BASE
 NOT TO SCALE

EROSION CONTROL BARRIER
SUPER SILT FENCE
 NOT TO SCALE



TEMPORARY CHAIN LINK CONSTRUCTION FENCE
WITH BALLAST BASE
 NOT TO SCALE



INLET PROTECTION - OPTION 3
CATCH BASIN WITH GRAVEL
 NOT TO SCALE

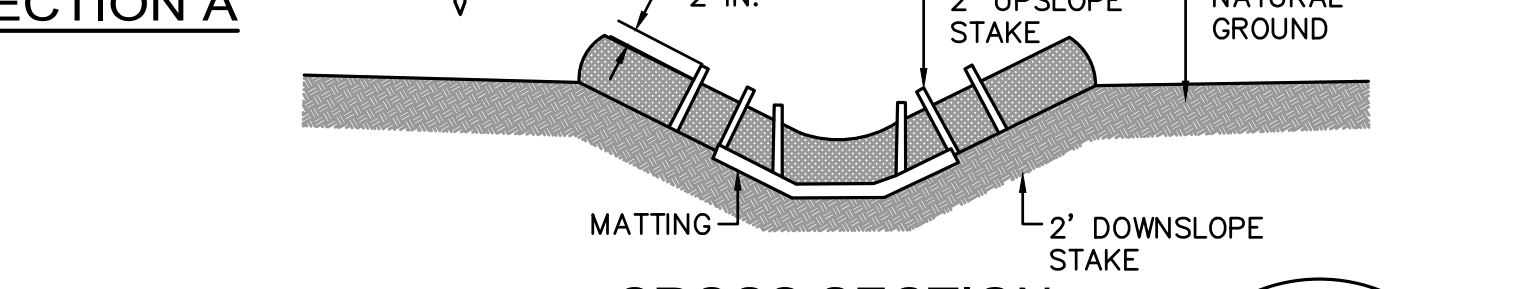
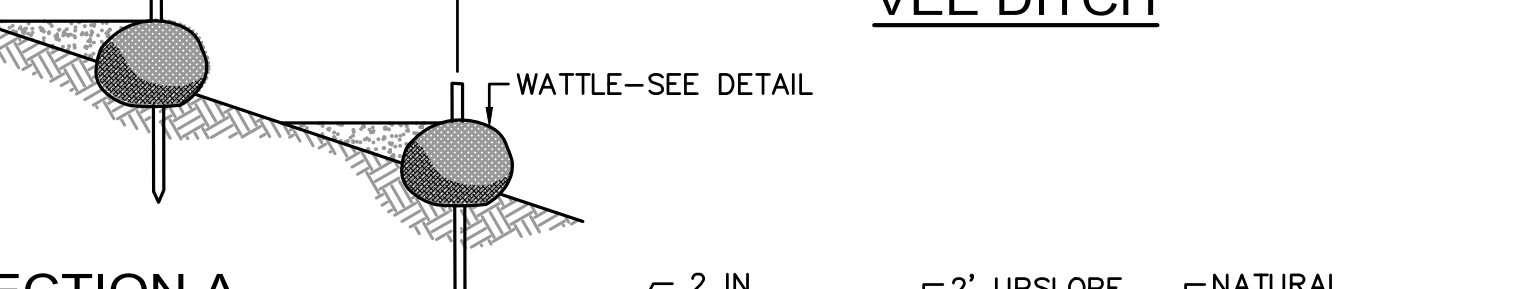
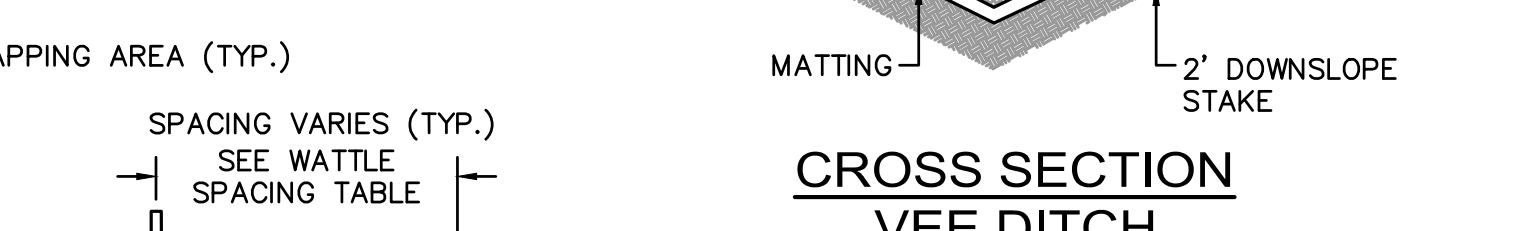
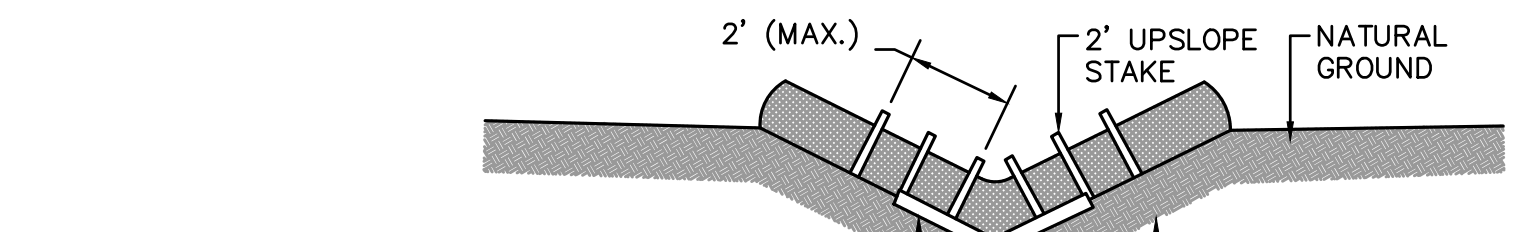
INLET PROTECTION - OPTION 2
CATCH BASIN W/ BLOCK AND GRAVEL
 NOT TO SCALE

INLET PROTECTION - OPTION 1
CATCH BASIN WITH SILTATION SACK
 NOT TO SCALE

THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE HEAVY FLOWS ARE EXPECTED, BUT NOT WHERE PONDING AROUND THE STRUCTURE MIGHT CAUSE EXCESSIVE INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES AND UNPROTECTED AREAS. THIS METHOD NOT ACCEPTABLE IN ACTIVE TRAFFIC AREAS.

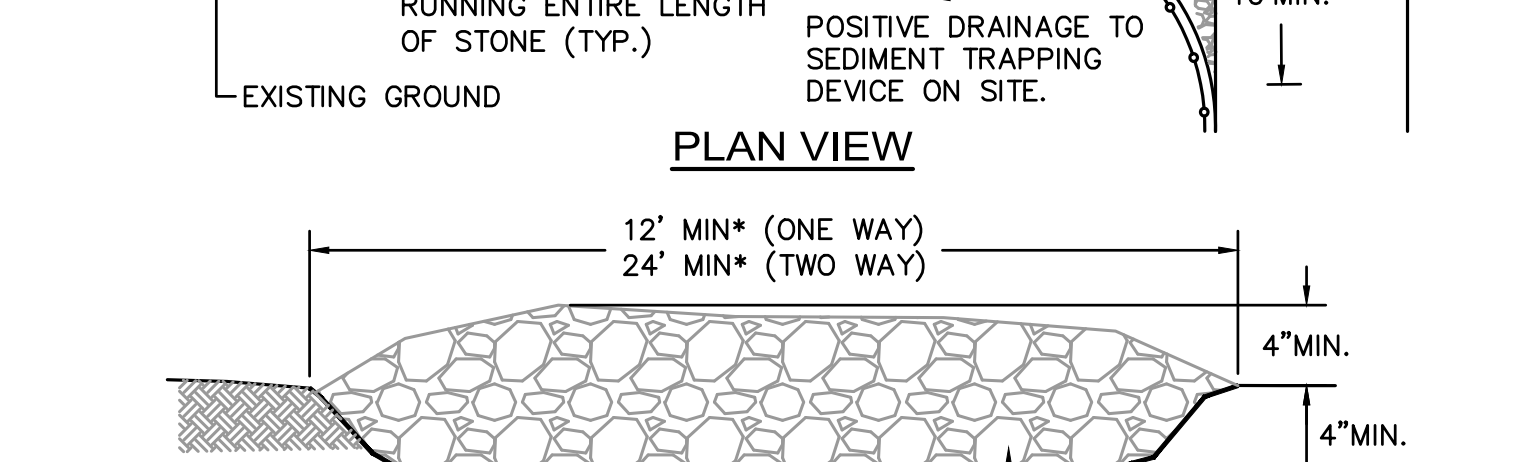
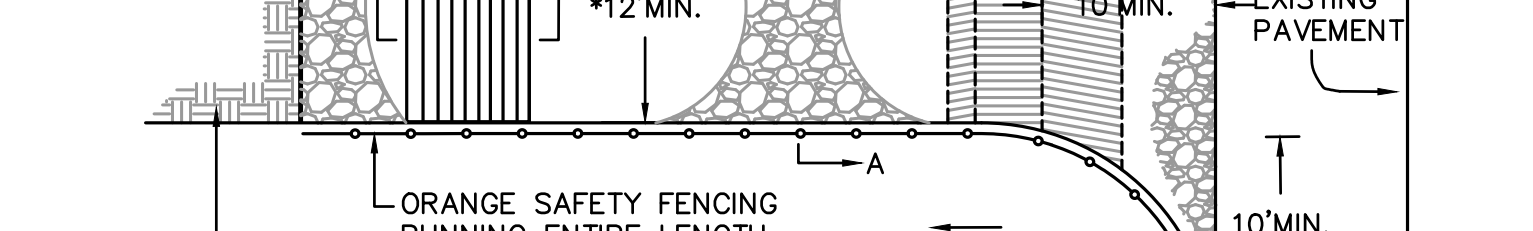
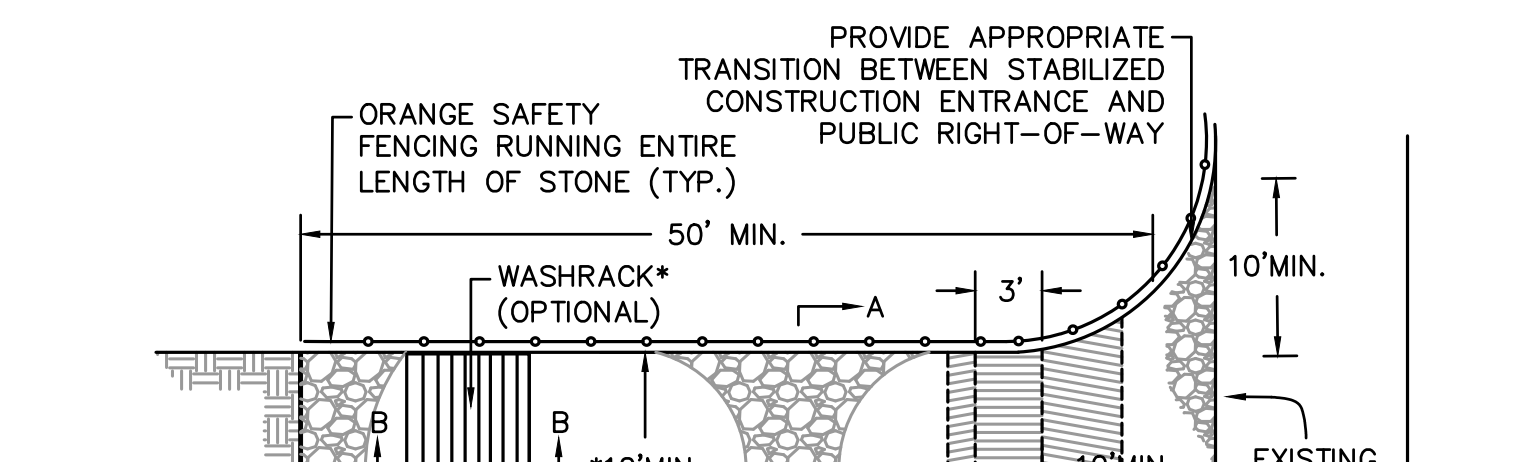
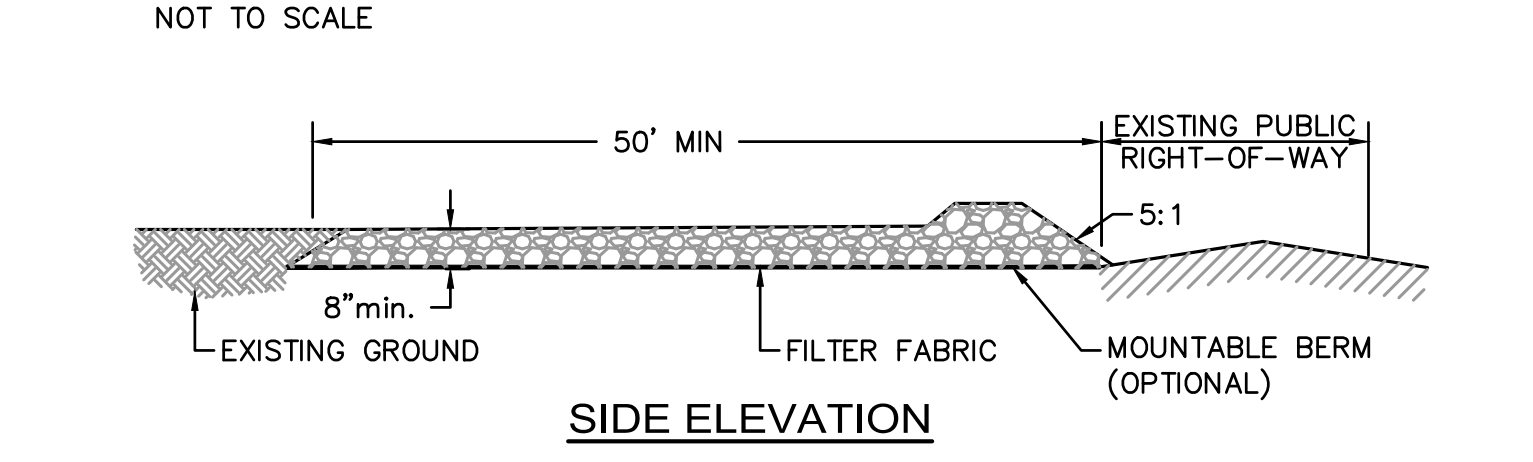
THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE HEAVY FLOWS ARE EXPECTED AND WHERE AN OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND STRUCTURE.

THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS SHEET, OVERLAND OR CONCENTRATED FLOWS (NOT GREATER THAN 1 CFS). THE METHOD CAN DRAIN FLAT AREA TO STEEP SLOPES. INLET CAPACITY WILL BE DECREASED WITH THIS METHOD AND THE CONTRACTOR SHALL EXPECT PONDING DURING HIGH FLOW EVENTS.



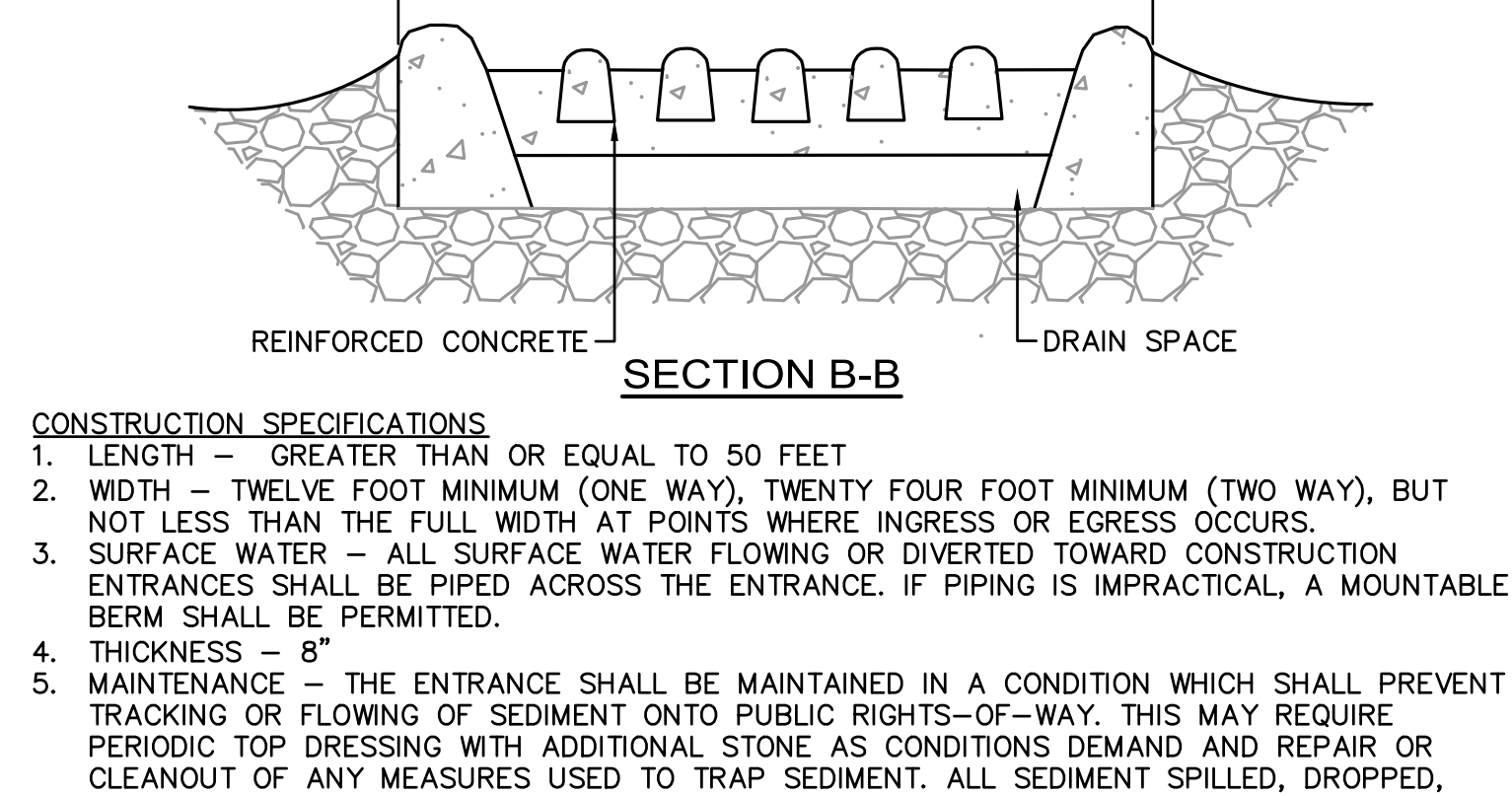
- TYPES OF WATTLES
- COIR (COCONUT FIBER)
 - COMPOST
 - STRAW

TEMPORARY EROSION CONTROL
BLANKET FOR STEEP SLOPES DETAIL
 NOT TO SCALE



- CONSTRUCTION SPECIFICATIONS
1. LENGTH - GREATER THAN OR EQUAL TO 50 FEET
 2. WIDTH - TWELVE FOOT MINIMUM (ONE WAY), TWENTY FOUR FOOT MINIMUM (TWO WAY), BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
 3. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM SHALL BE PERMITTED.
 4. THICKNESS - 8"
 5. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
 6. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED.

CHAIN LINK CONSTRUCTION FENCE
 NOT TO SCALE

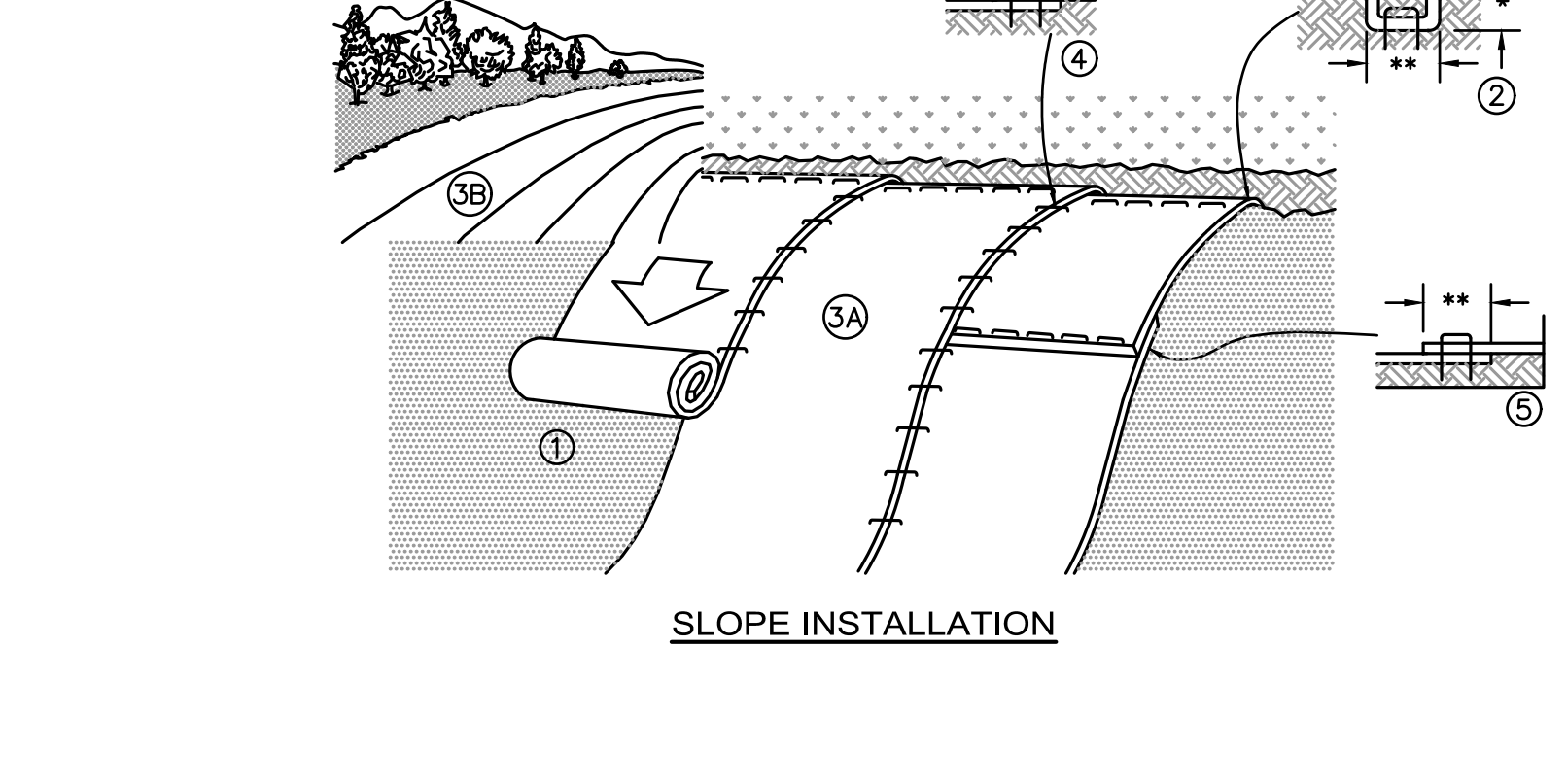


STABILIZED CONSTRUCTION ENTRANCE
 NOT TO SCALE

CONSTRUCTION FENCE AND GATE NOTES:

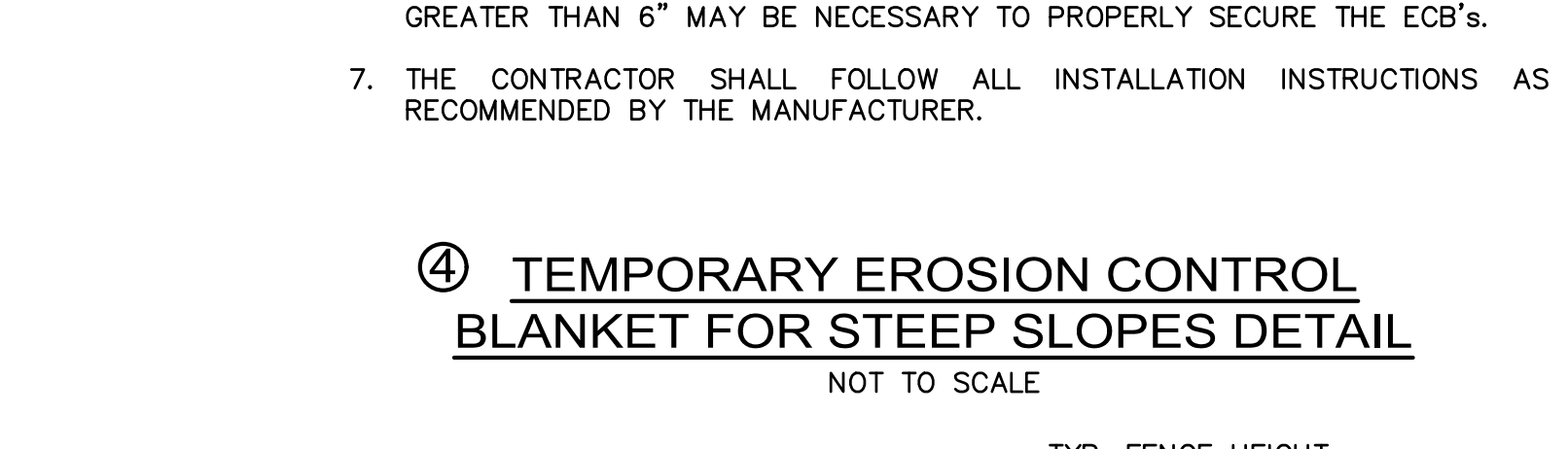
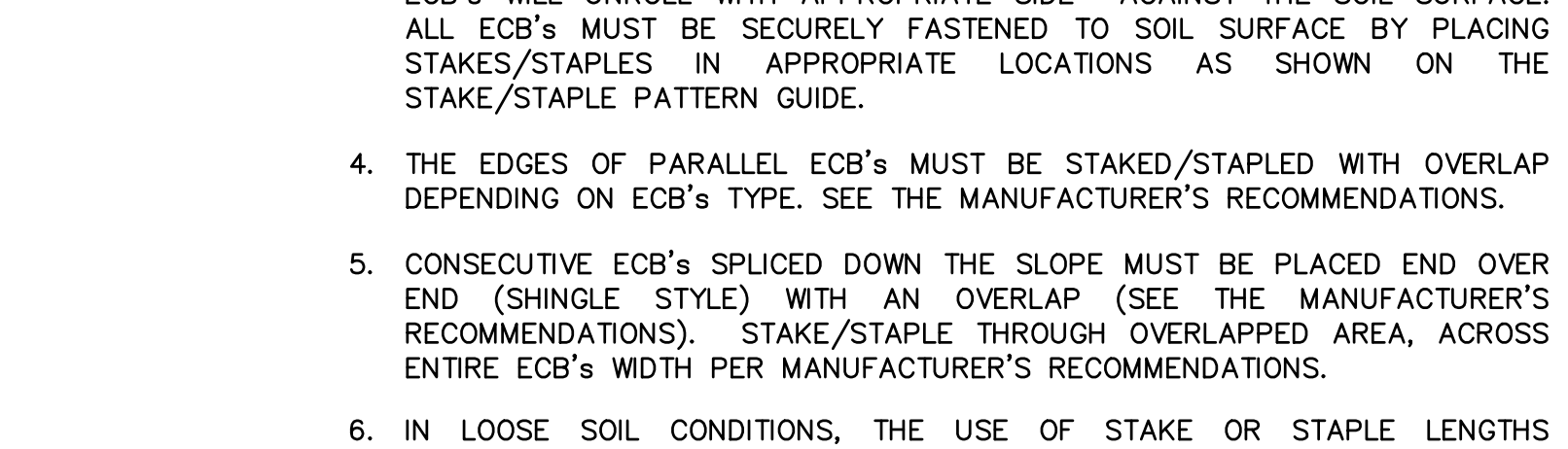
1. FABRIC SHALL BE 0.148\"/>

- ** PER MANUFACTURER'S RECOMMENDATIONS
1. PREPARE SOIL BEFORE INSTALLING EROSION CONTROL BLANKETS (ECB's), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
 2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE ECB'S IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING PORTION OF ECB'S BACK OVER SEED AND COMPACTED SOIL. SECURE ECB'S OVER COMPACTED SOIL WITH A ROW OF STAKES/STAPLES SPACED ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATIONS ACROSS THE WIDTH OF THE ECB'S.
 3. ROLL THE ECB'S DOWN (A) OR HORIZONTALLY (B) ACROSS THE SLOPE. ECB'S WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL ECB'S MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAKES/STAPLES IN APPROPRIATE LOCATIONS AS SHOWN ON THE STAKE/STAPLE PATTERN GUIDE.
 4. THE EDGES OF PARALLEL ECB'S MUST BE STAKED/STAPLED WITH OVERLAP DEPENDING ON ECB'S TYPE. SEE THE MANUFACTURER'S RECOMMENDATIONS.
 5. CONSECUTIVE ECB'S SPICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN OVERLAP (SEE THE MANUFACTURER'S RECOMMENDATIONS). STAKE/STAPLE THROUGH OVERLAPPED AREA, ACROSS ENTIRE ECB'S WIDTH PER MANUFACTURER'S RECOMMENDATIONS.
 6. IN LOOSE SOIL CONDITIONS, THE USE OF STAKE OR STAPLE LENGTHS GREATER THAN 6\"/>

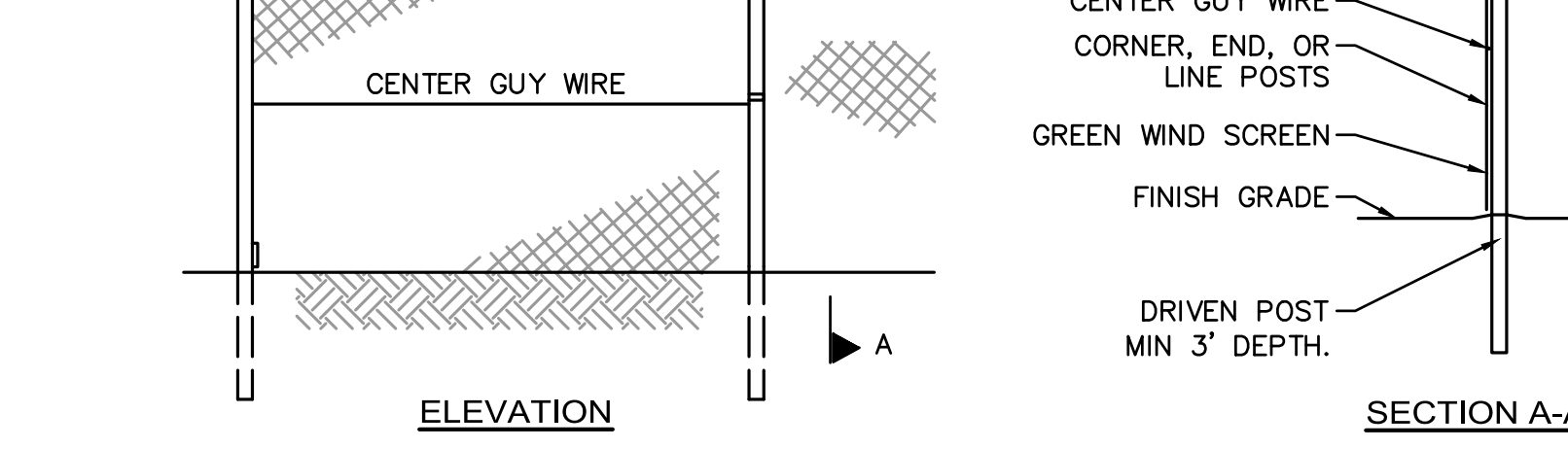


- NOTES:
1. PREPARE SOIL BEFORE INSTALLING EROSION CONTROL BLANKETS (ECB's), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
 2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE ECB'S IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING PORTION OF ECB'S BACK OVER SEED AND COMPACTED SOIL. SECURE ECB'S OVER COMPACTED SOIL WITH A ROW OF STAKES/STAPLES SPACED ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATIONS ACROSS THE WIDTH OF THE ECB'S.
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 6. IN LOOSE SOIL CONDITIONS, THE USE OF STAKE OR STAPLE LENGTHS GREATER THAN 6\"/>

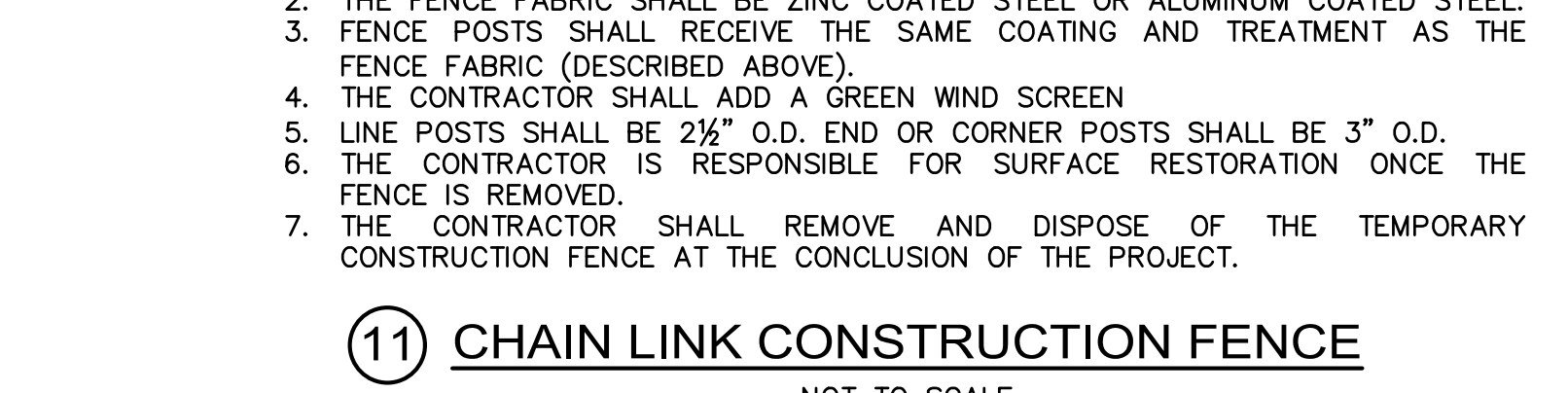
TEMPORARY EROSION CONTROL
BLANKET FOR STEEP SLOPES DETAIL
 NOT TO SCALE



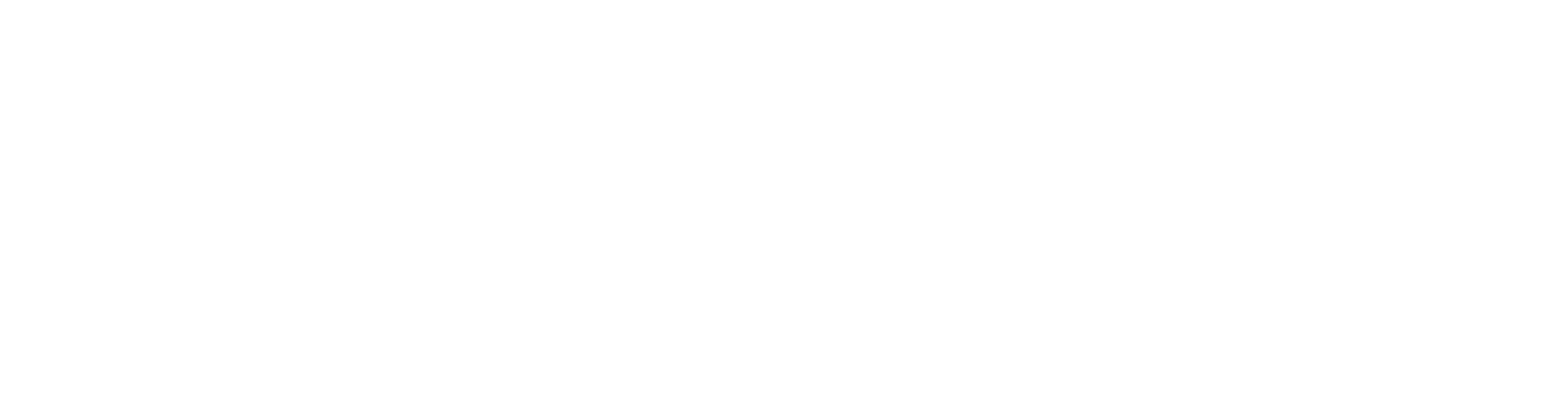
- CONSTRUCTION FENCE AND GATE NOTES:
1. FABRIC SHALL BE 0.148\"/>



CHAIN LINK CONSTRUCTION FENCE
 NOT TO SCALE



STABILIZED CONSTRUCTION ENTRANCE
 NOT TO SCALE



STABILIZED CONSTRUCTION ENTRANCE
 NOT TO SCALE

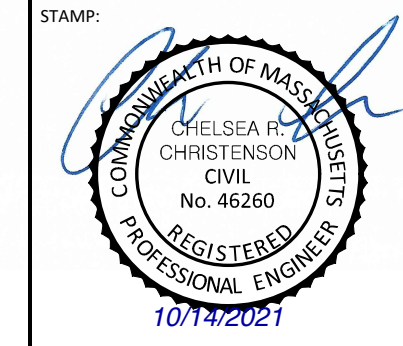
CONSTRUCTION FENCE AND GATE NOTES:

1. FABRIC SHALL BE 0.148\"/>



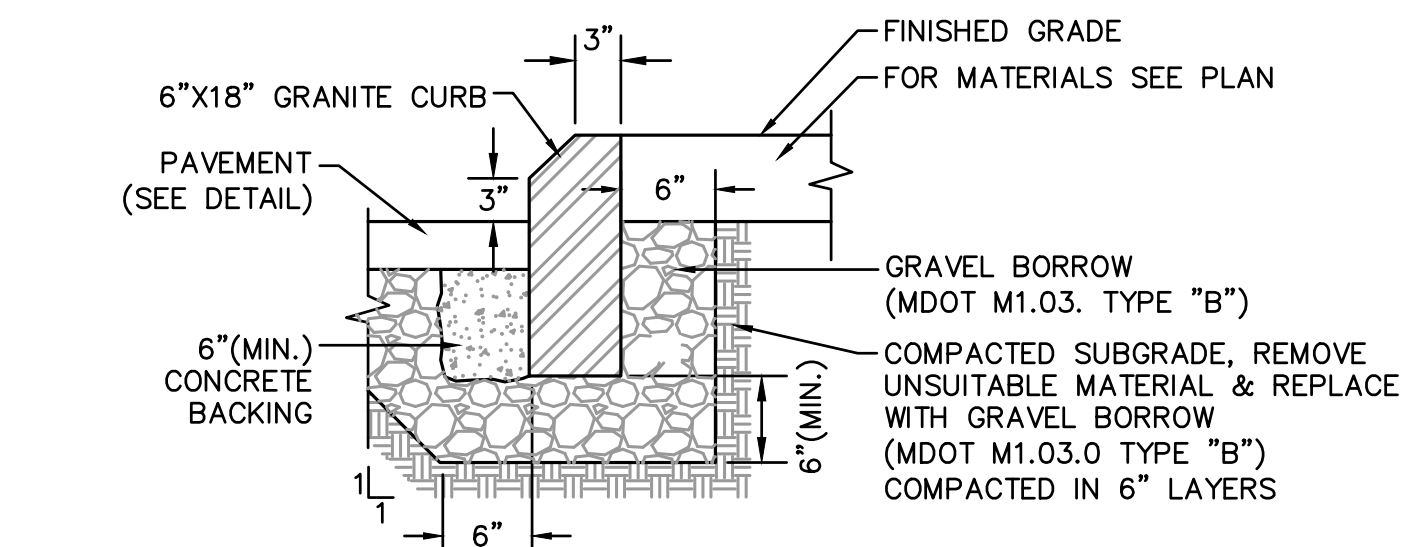
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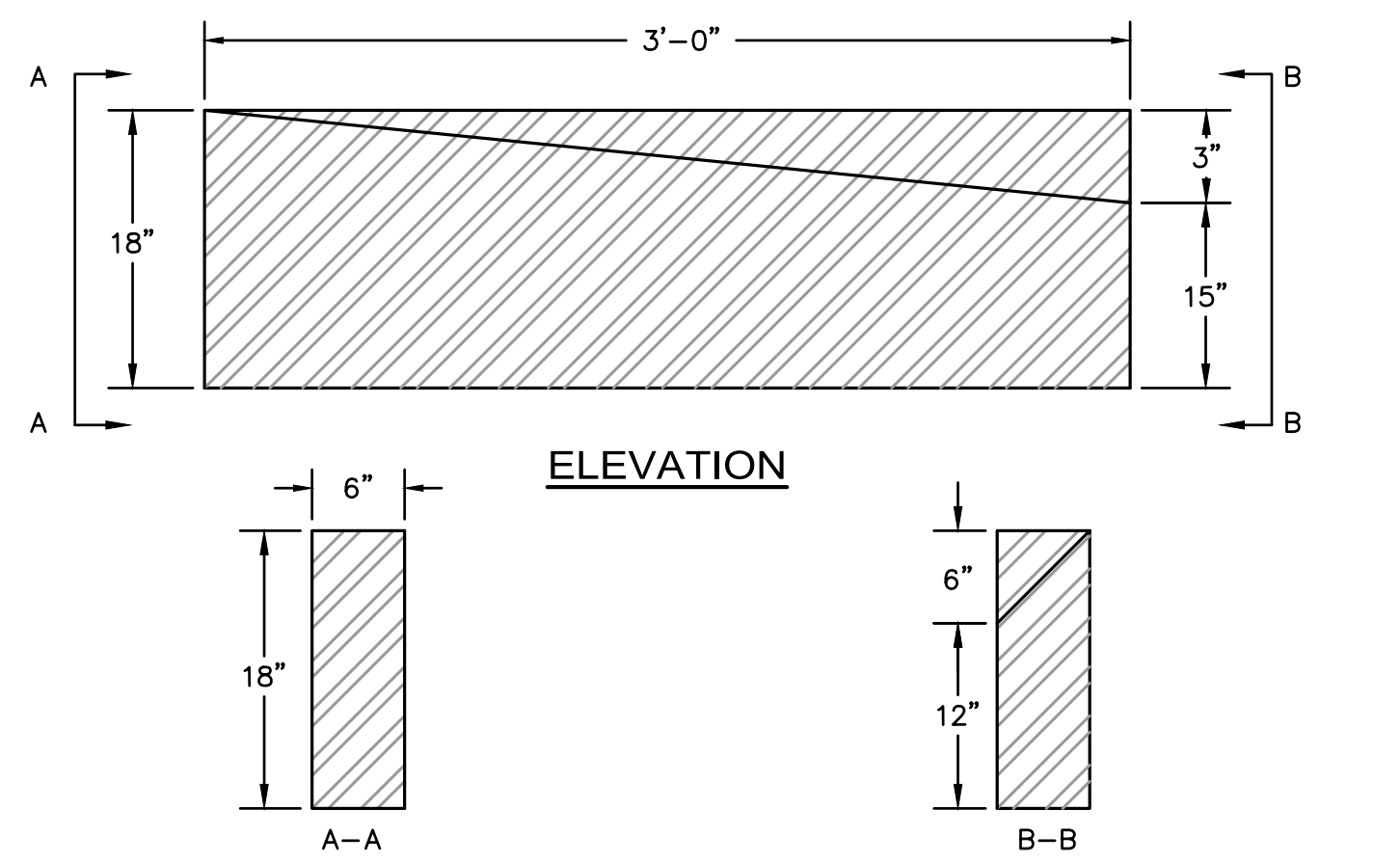


REVISIONS:

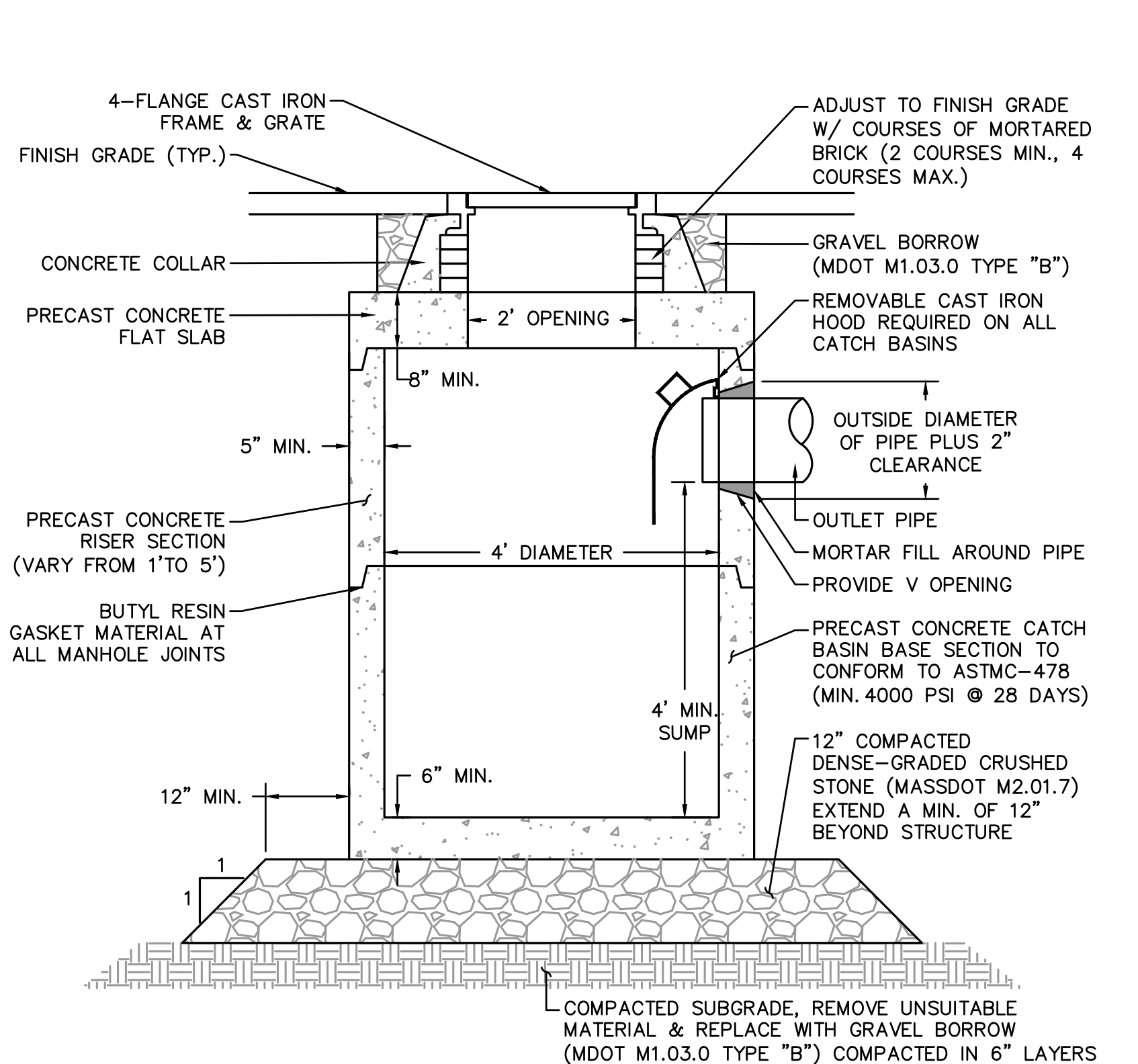
No.	Description	Date



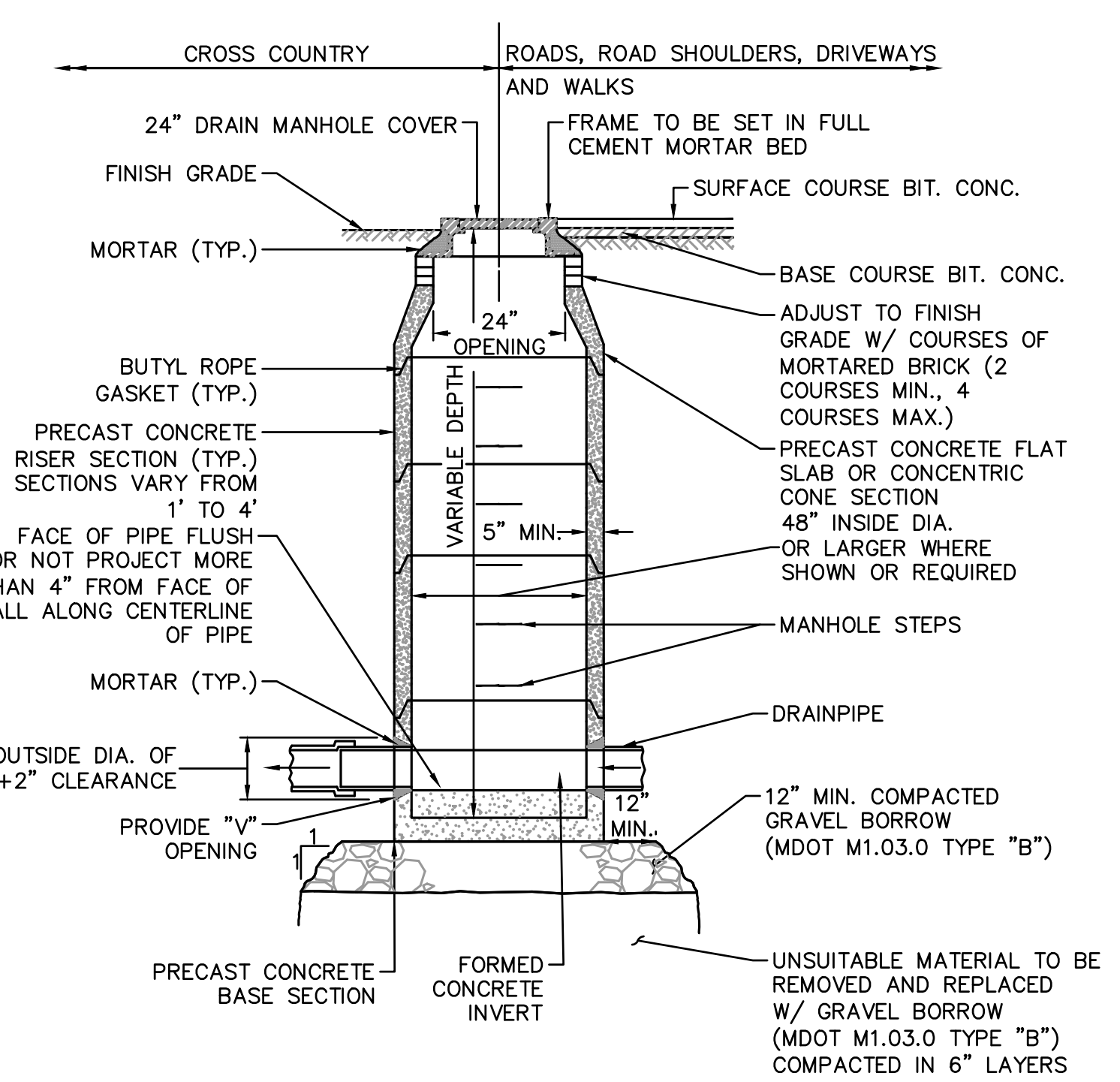
① MOUNTABLE GRANITE CURB SETTING DETAIL
NOT TO SCALE



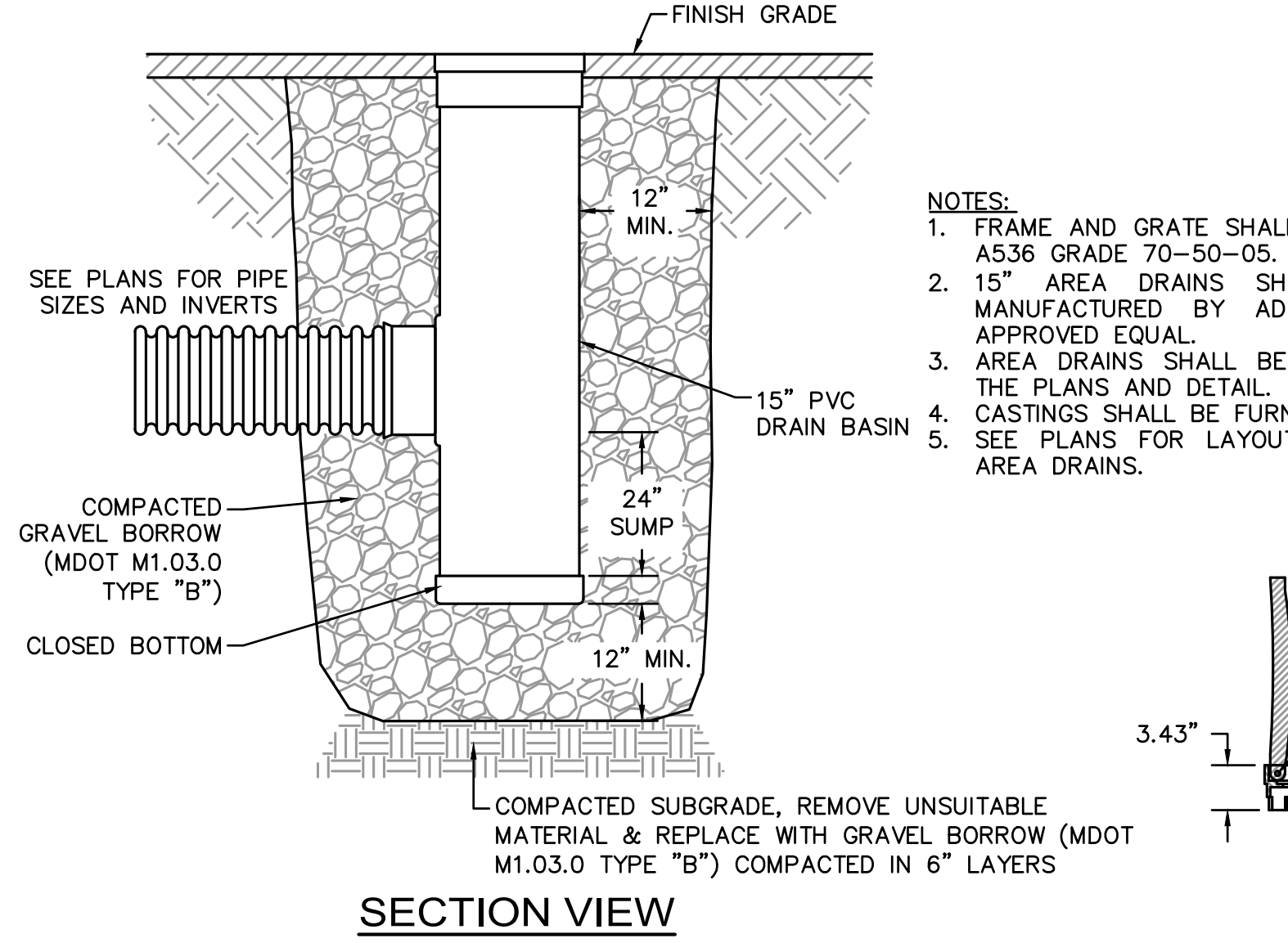
② GRANITE TRANSITION CURB DETAIL
VERTICAL TO MOUNTABLE



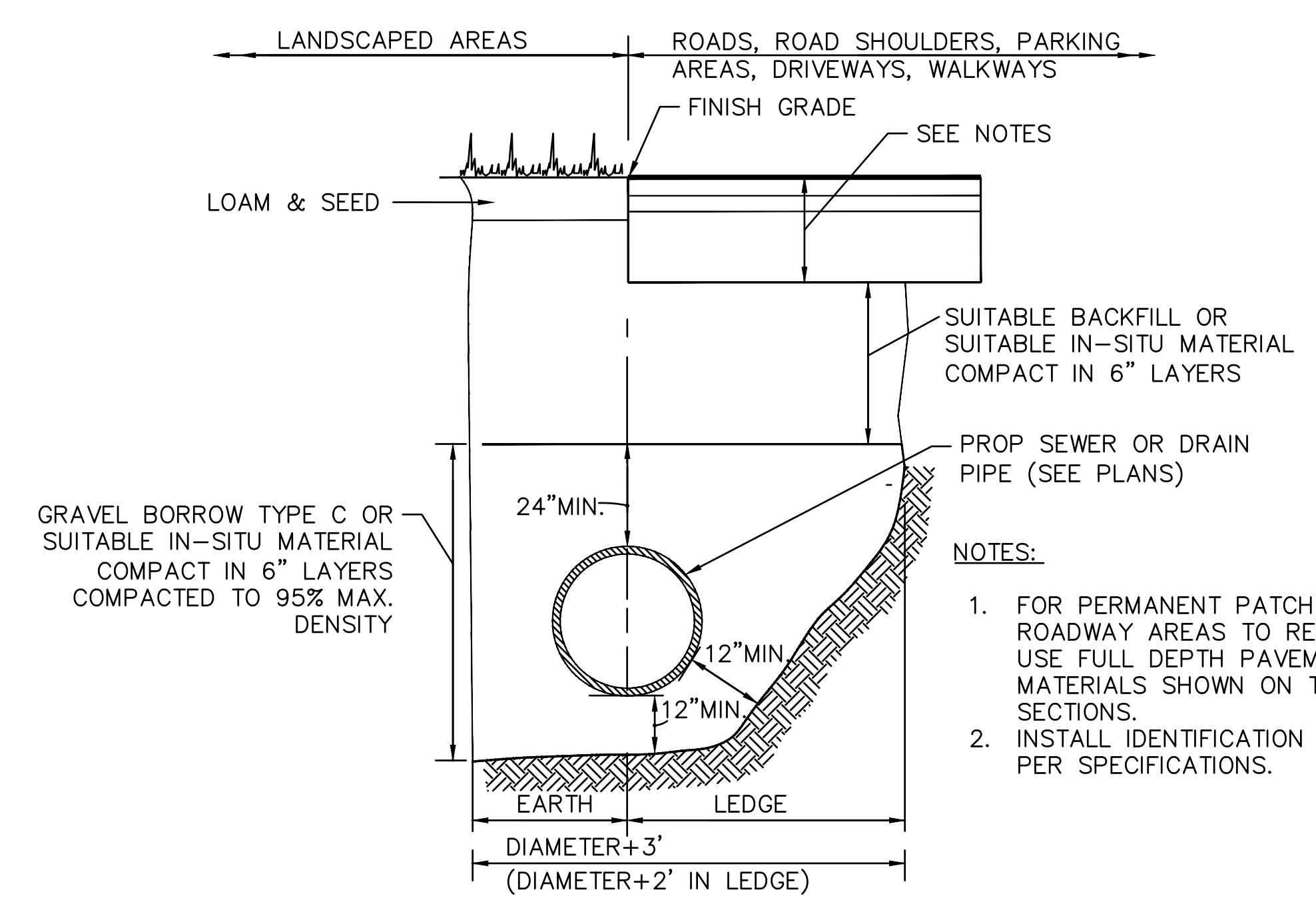
③ TYPICAL CATCH BASIN DETAIL
NOT TO SCALE



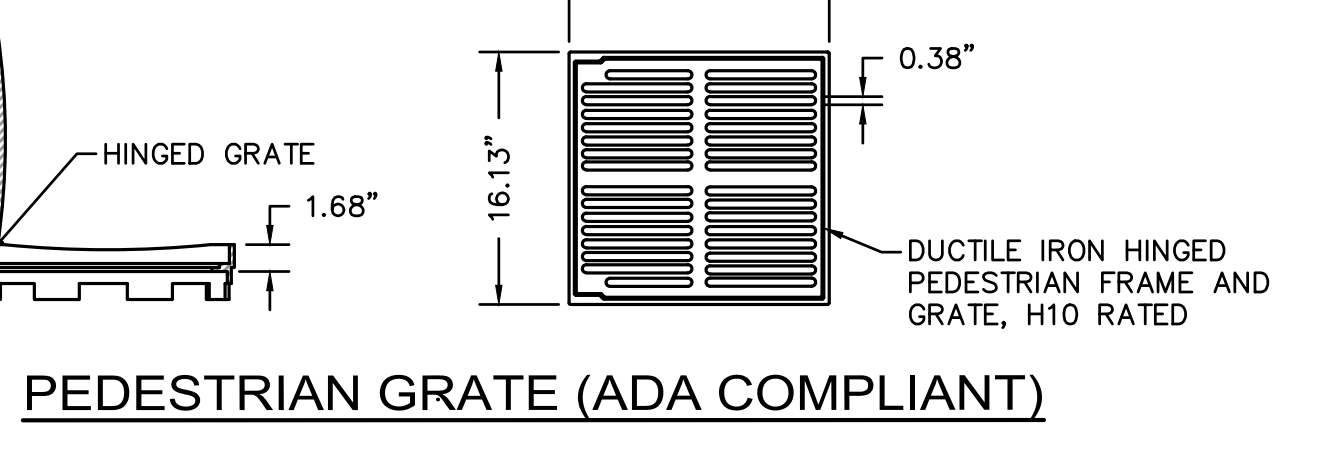
⑤ TYPICAL DRAIN MANHOLE DETAIL
NOT TO SCALE



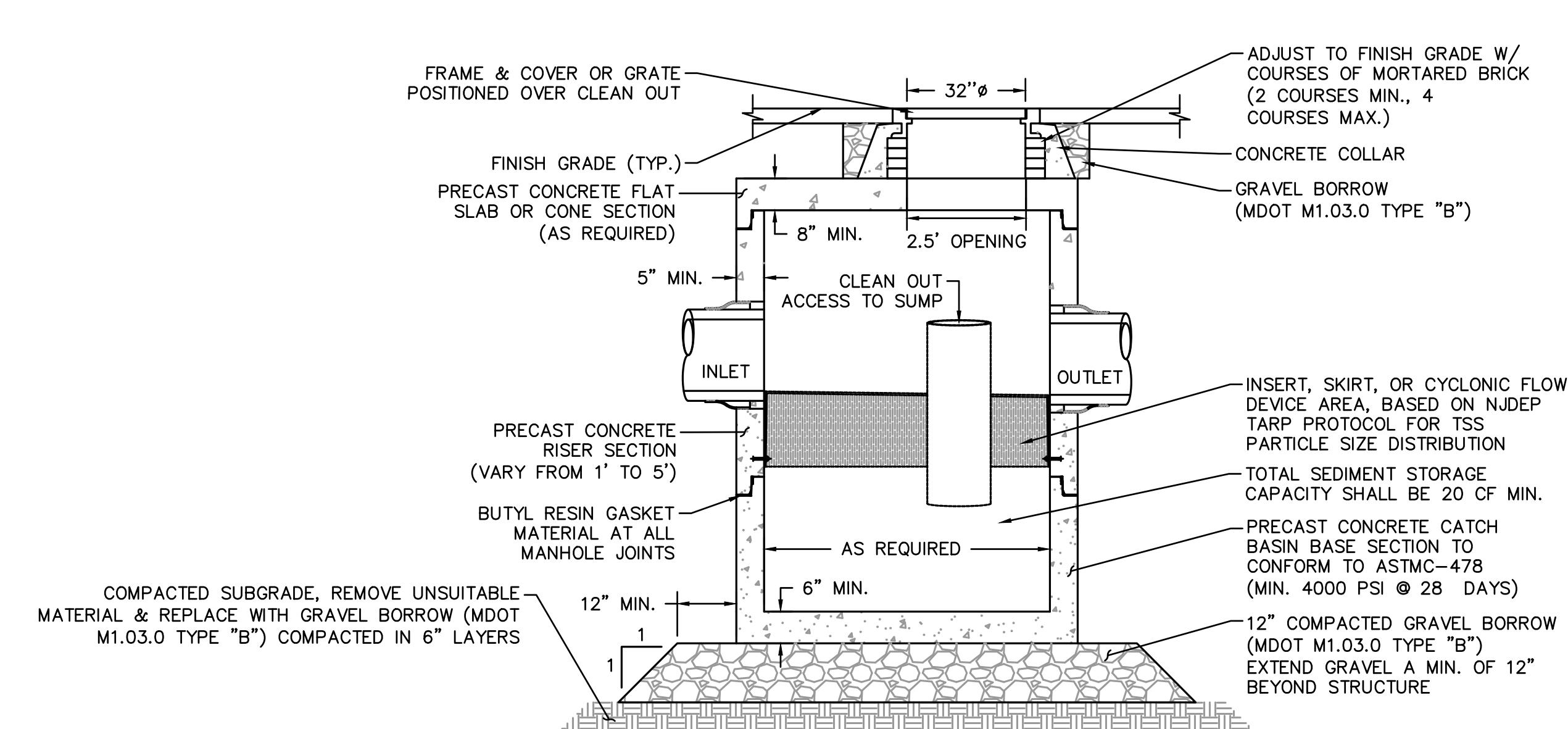
⑩ 15\"/>



⑥ STANDARD TRENCH DETAIL FOR DRAIN AND SEWER PIPE
NOT TO SCALE



PEDESTRIAN GRATE (ADA COMPLIANT)

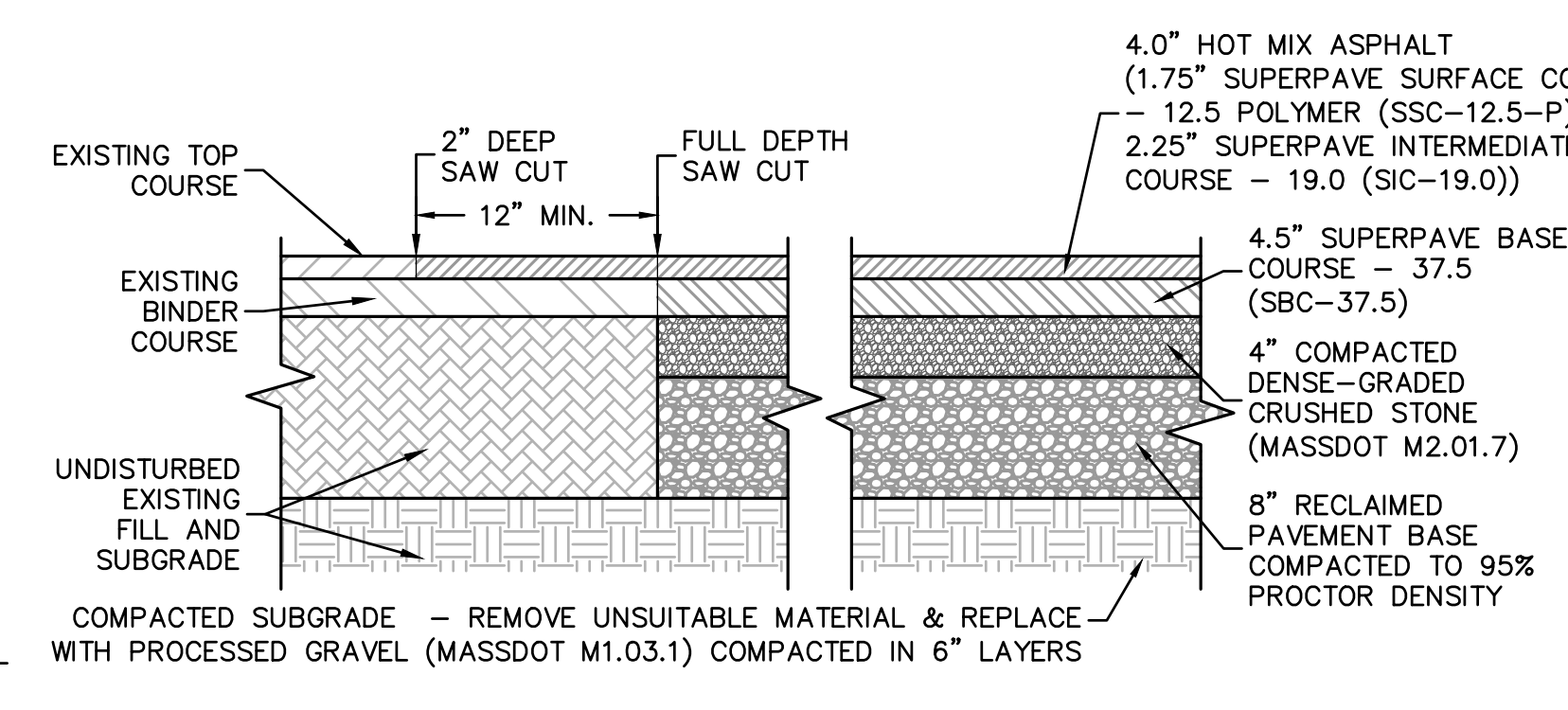


- NOTE:
1. THE USE OF FLEXIBLE CONNECTIONS IS RECOMMENDED AT THE INLET AND OUTLET WHERE APPLICABLE.
 2. THE COVER SHOULD BE POSITIONED OVER THE OUTLET DROP PIPE AND THE OIL CLEANOUT PIPE.
 3. STRUCTURE DESIGNED FOR H2O LOADING.

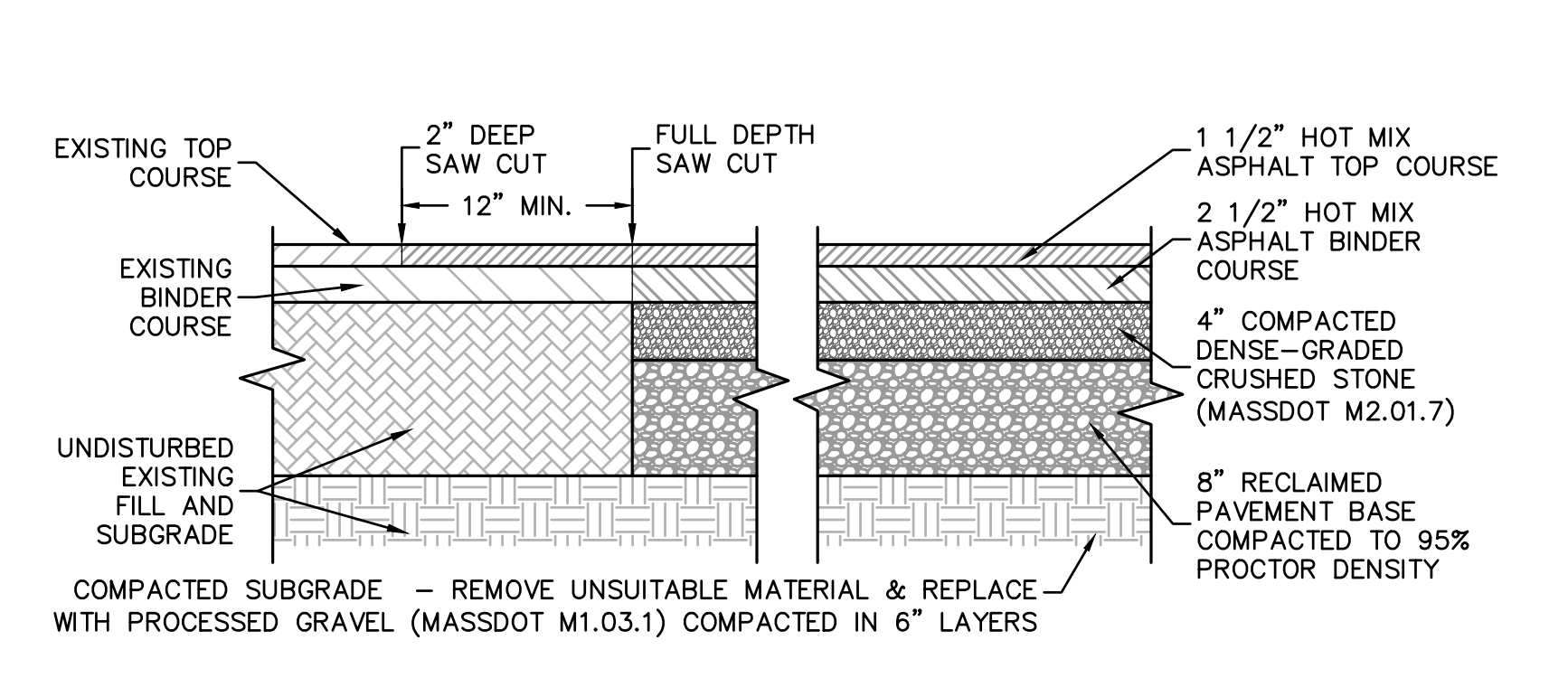
④ WATER QUALITY STRUCTURE DETAIL
NOT TO SCALE

STRUCTURE NAME	MINIMUM WQF	PEAK FLOW RATE*	MINIMUM SEDIMENT STORAGE CAPACITY
WQS-300	0.57 CFS	2.37 CFS	20 CF
WQI-301	0.03 CFS	0.21 CFS	20 CF

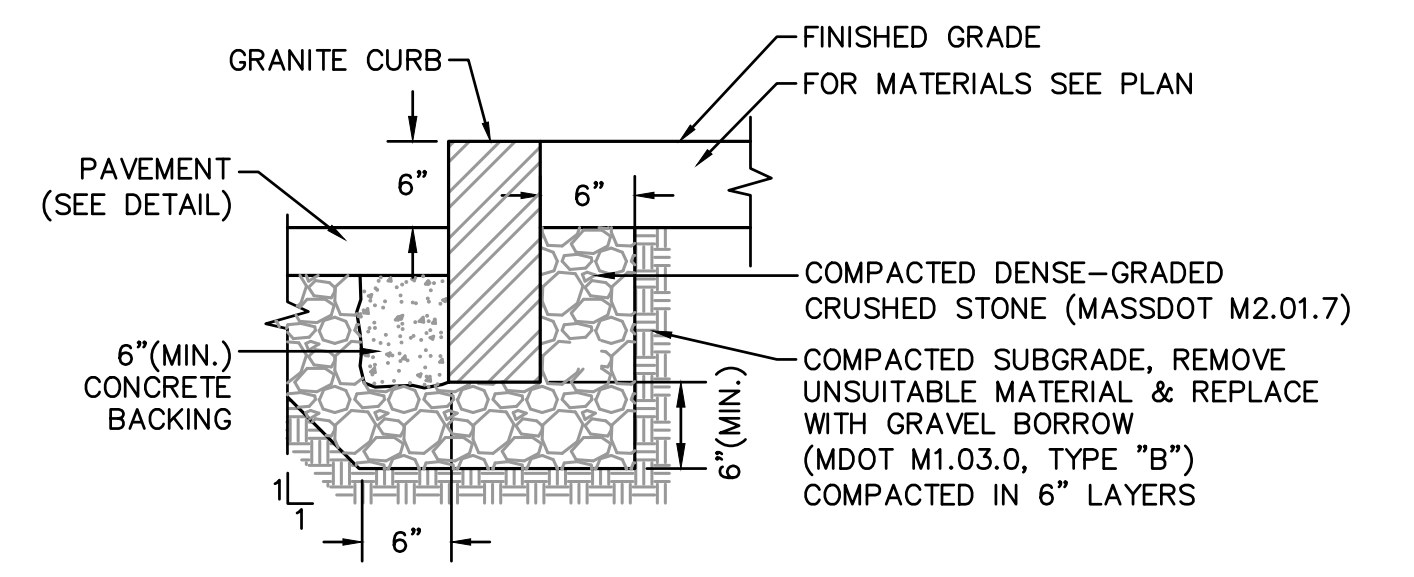
* PEAK FLOW RATE BASED ON RATIONAL ANALYSIS FOR A 25-YEAR STORM EVENT. STRUCTURE SHALL BE ABLE TO PASS PEAK FLOW RATE WITHOUT CAUSING A BACKWATER CONDITION.



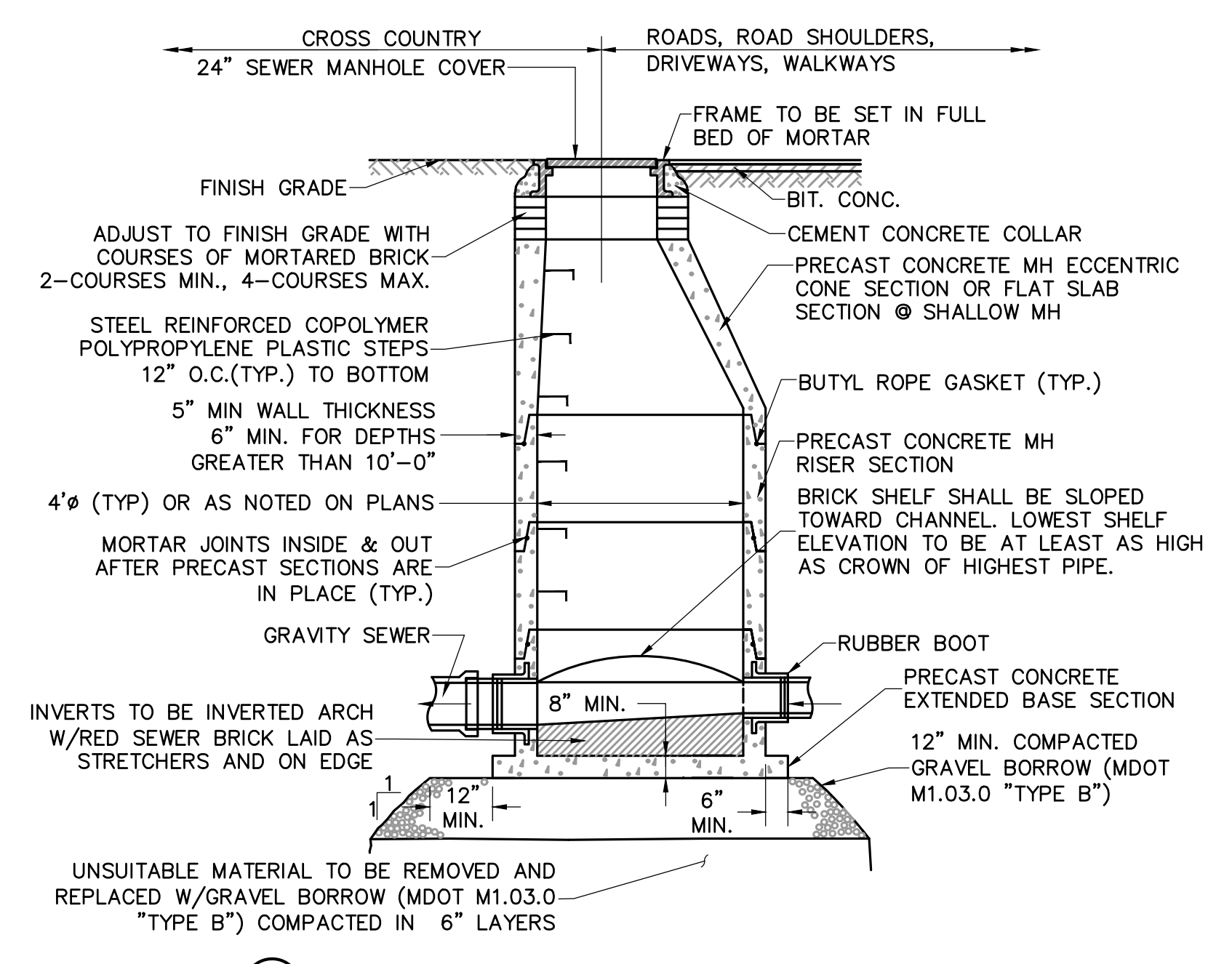
⑦ HOT MIX ASPHALT IN STATE HIGHWAY LAYOUT DETAIL
NOT TO SCALE



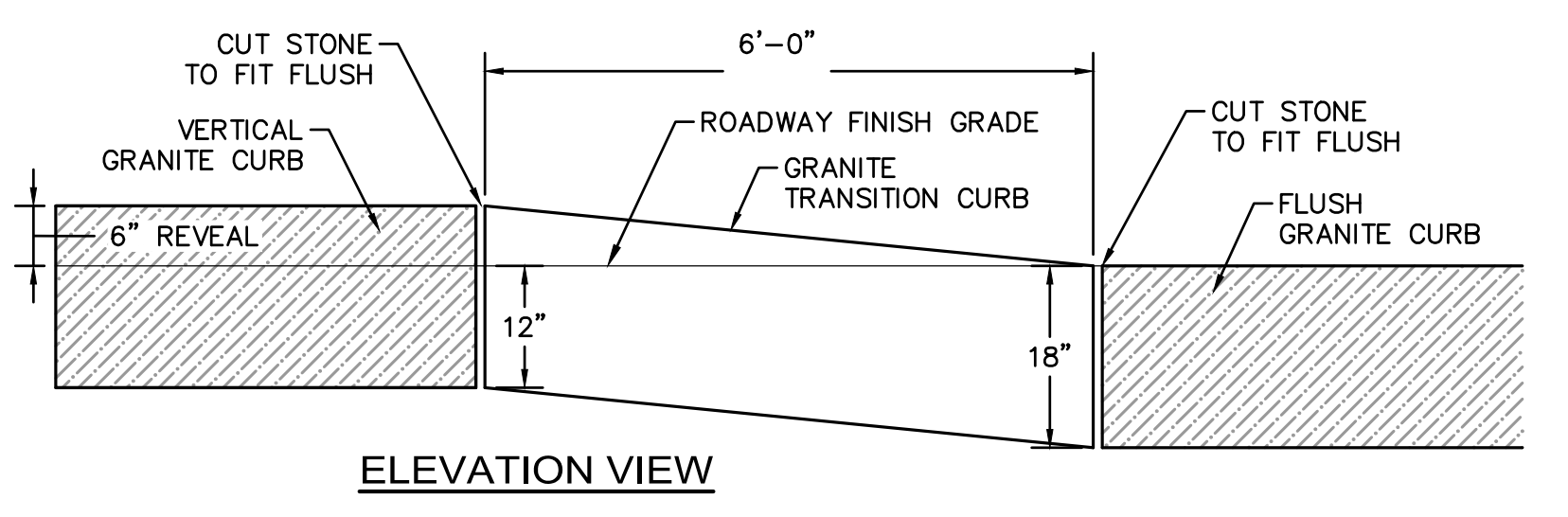
⑧ HOT MIX ASPHALT PARKING LOT PAVING DETAIL
NOT TO SCALE



⑨ VERTICAL GRANITE CURB SETTING DETAIL
NOT TO SCALE



⑫ TYPICAL SEWER MANHOLE DETAIL
NOT TO SCALE



⑪ VERTICAL-TO-FLUSH TRANSITION CURB DETAIL
NOT TO SCALE

UPTON COMMUNITY CENTER
 9 MILFORD STREET
 UPTON MASS. 01568
 100% CD-COMFORMANCE SET ADDENDA 1-4 INCORPORATED 10/6/2021

CIVIL
 DETAILS 1

JOB NUMBER:
 20-05 (NITSCH #14213)

DRAWN BY:
 RMG

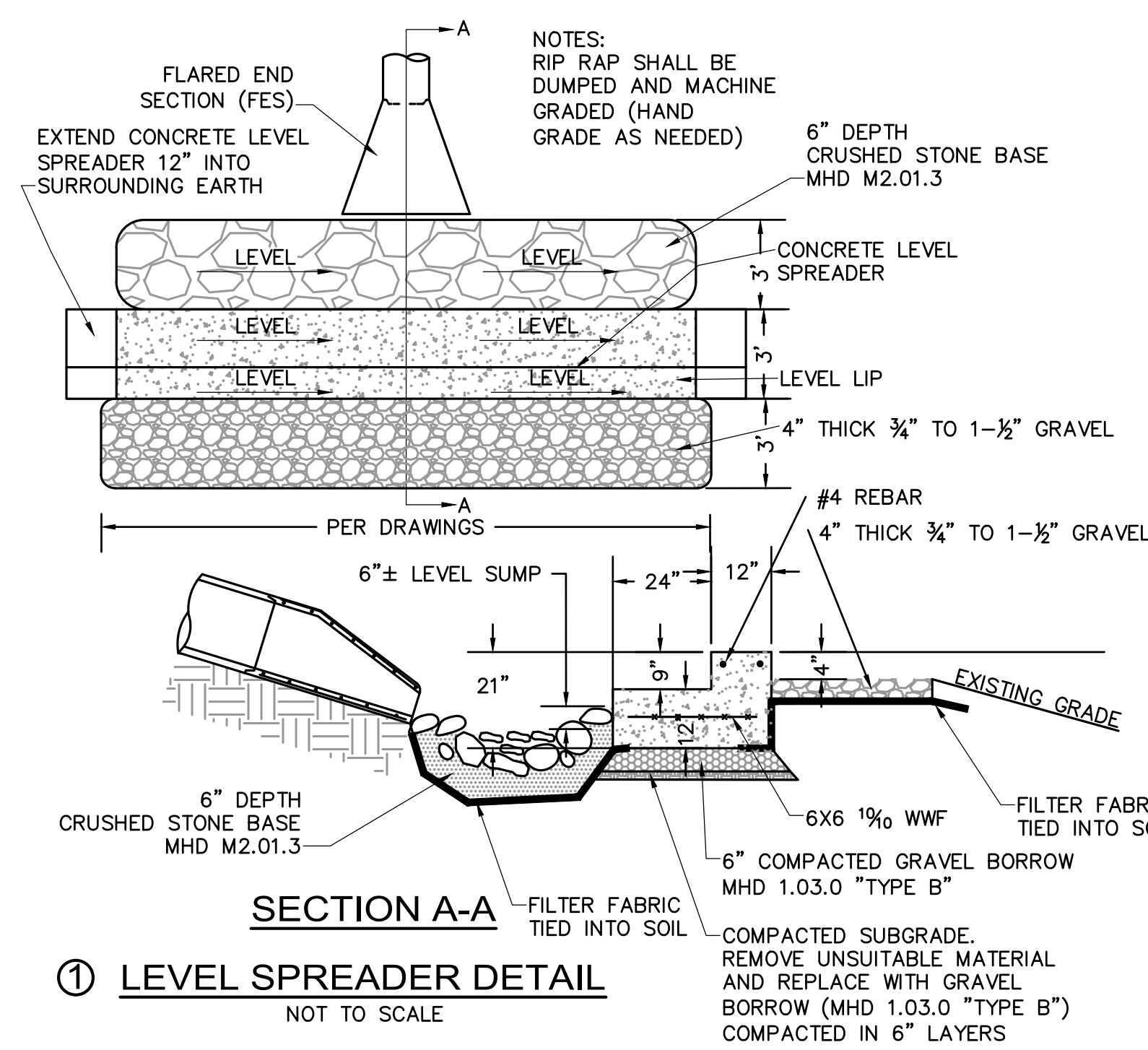
CHECKED BY:
 RMG/CRC

DATE:
 9/8/2021

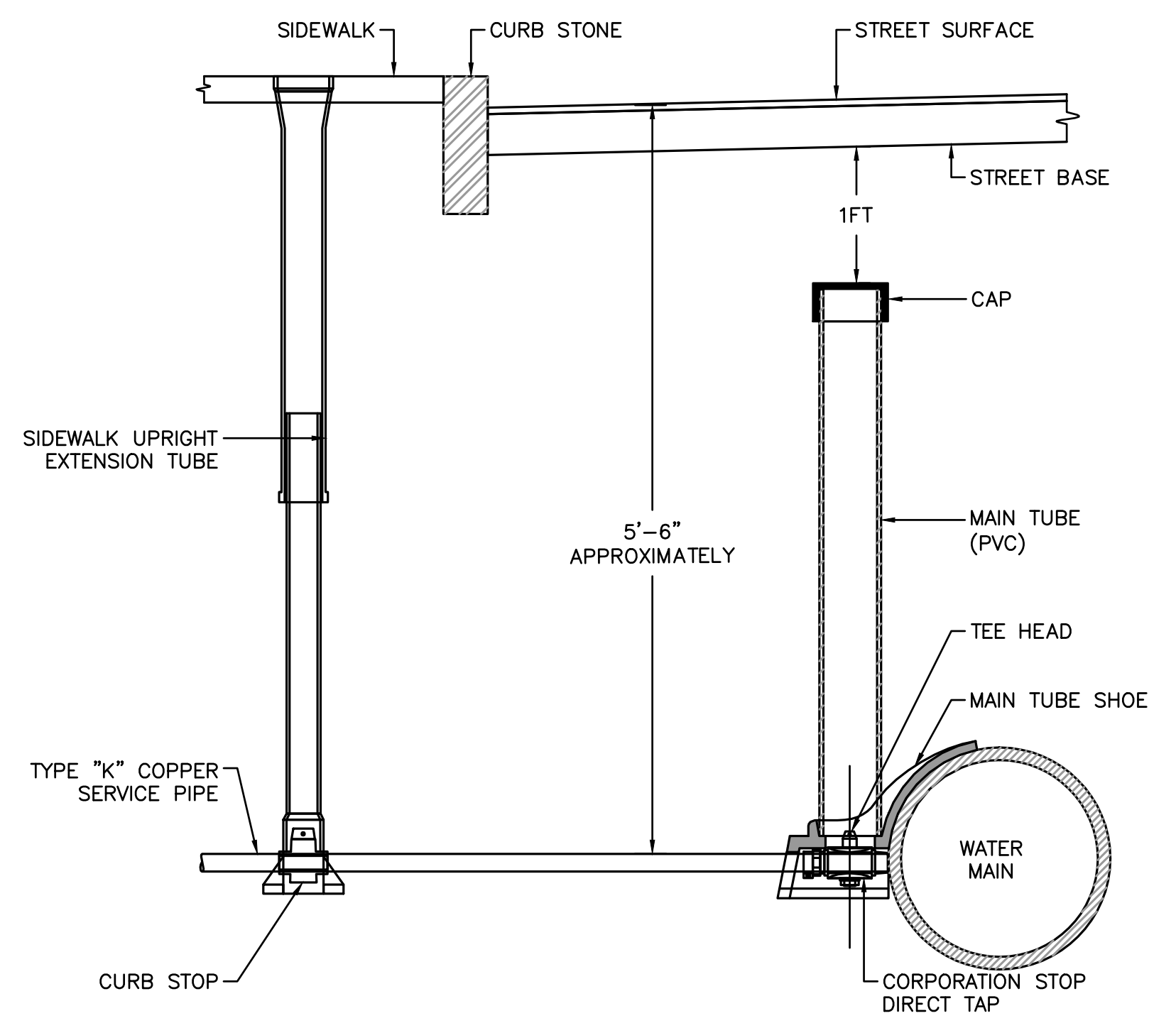
SCALE:
 AS SHOWN

SHEET NO.:

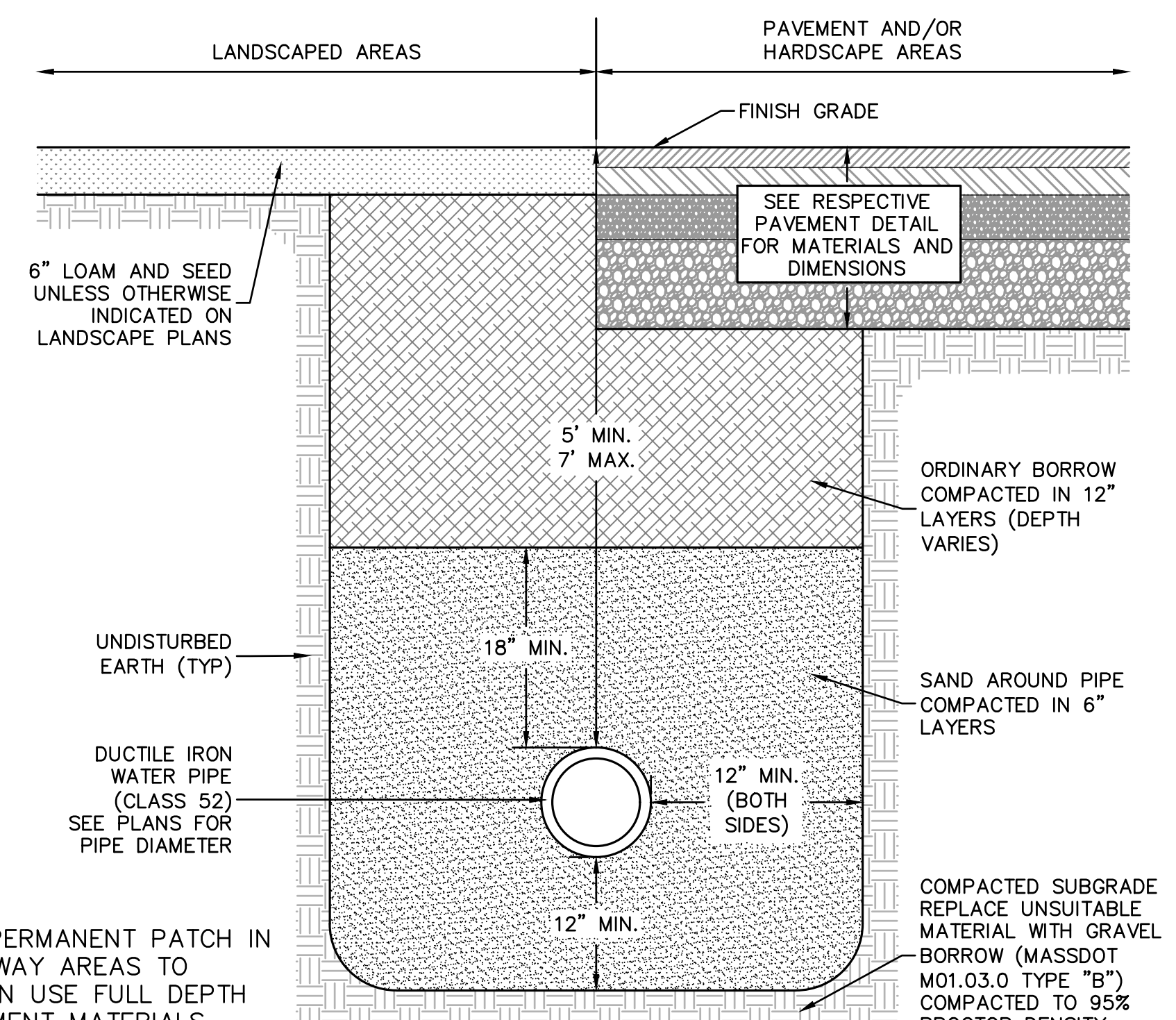
C6.0



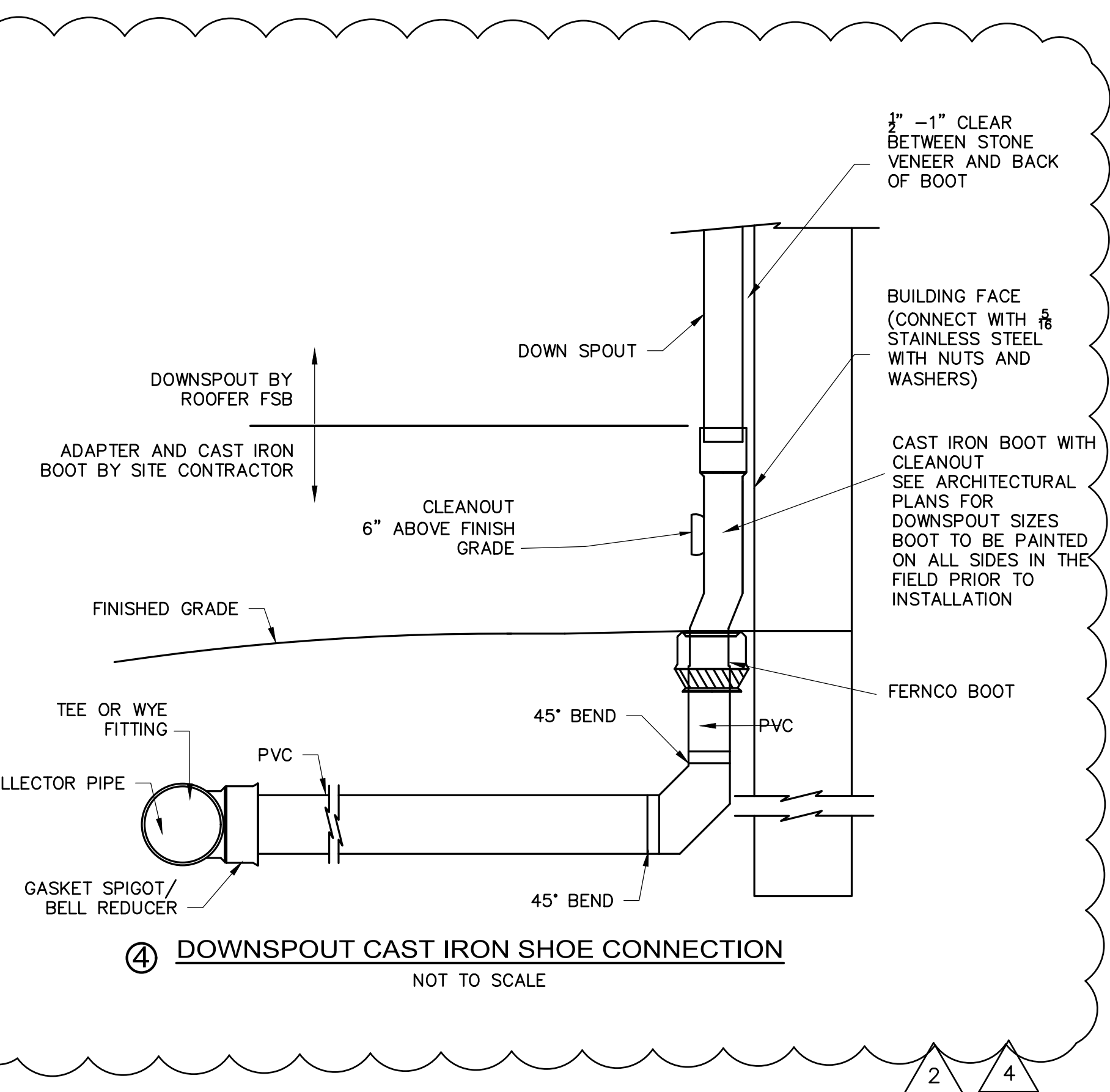
① LEVEL SPREADER DETAIL
NOT TO SCALE



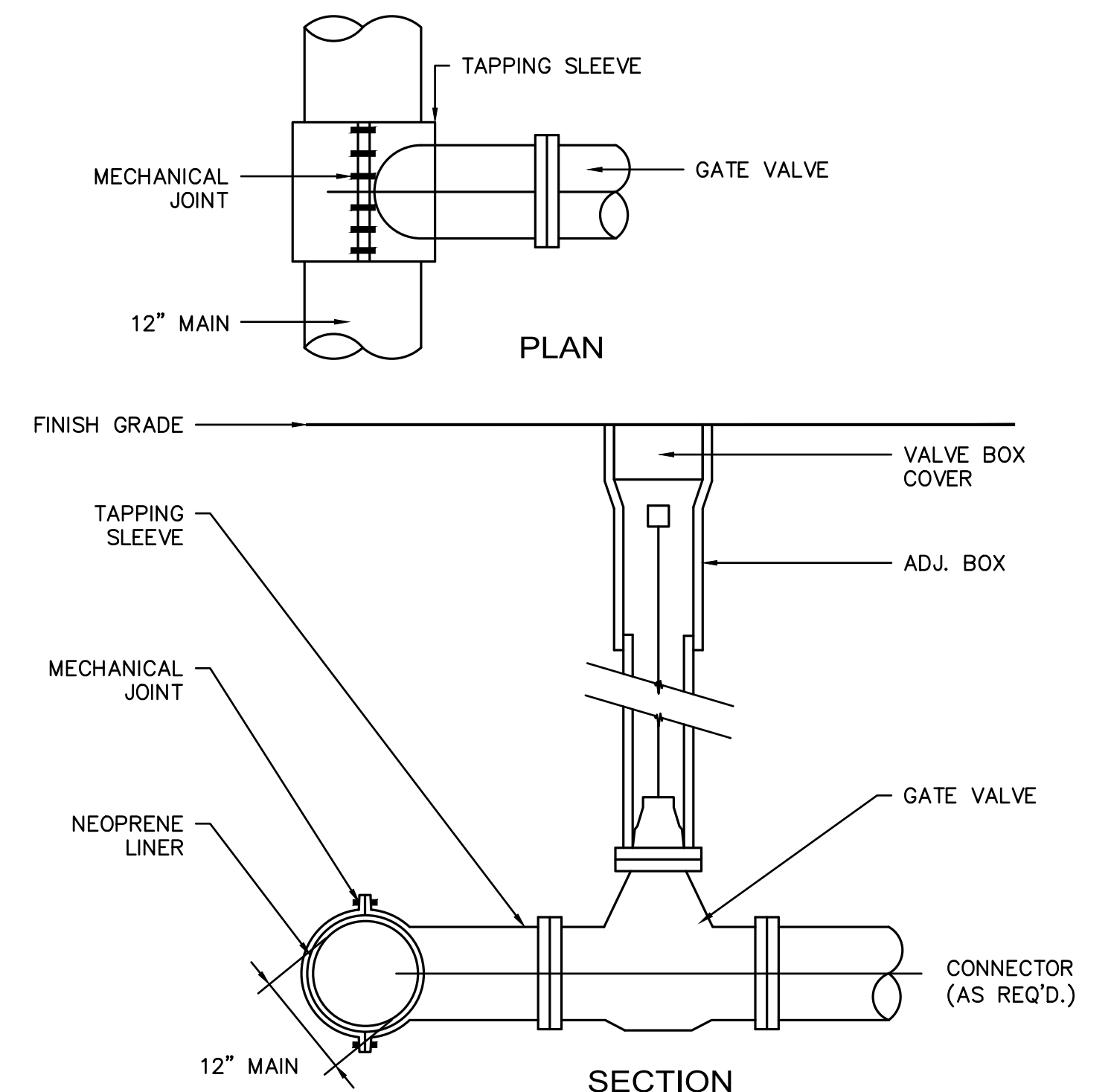
② WATER CONNECTION DETAIL FOR 3/4\"/>



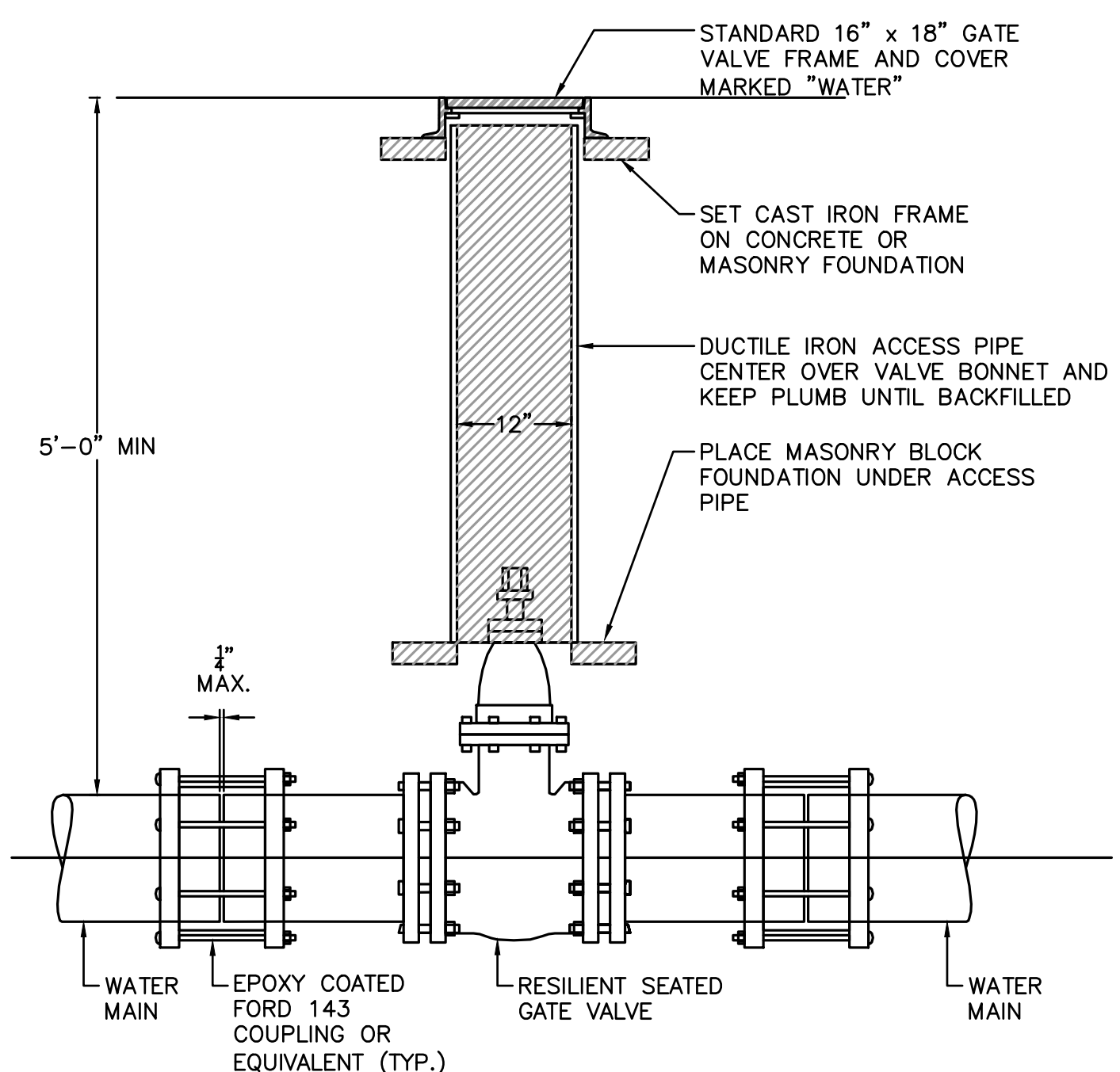
③ WATER TRENCH DETAIL
NOT TO SCALE



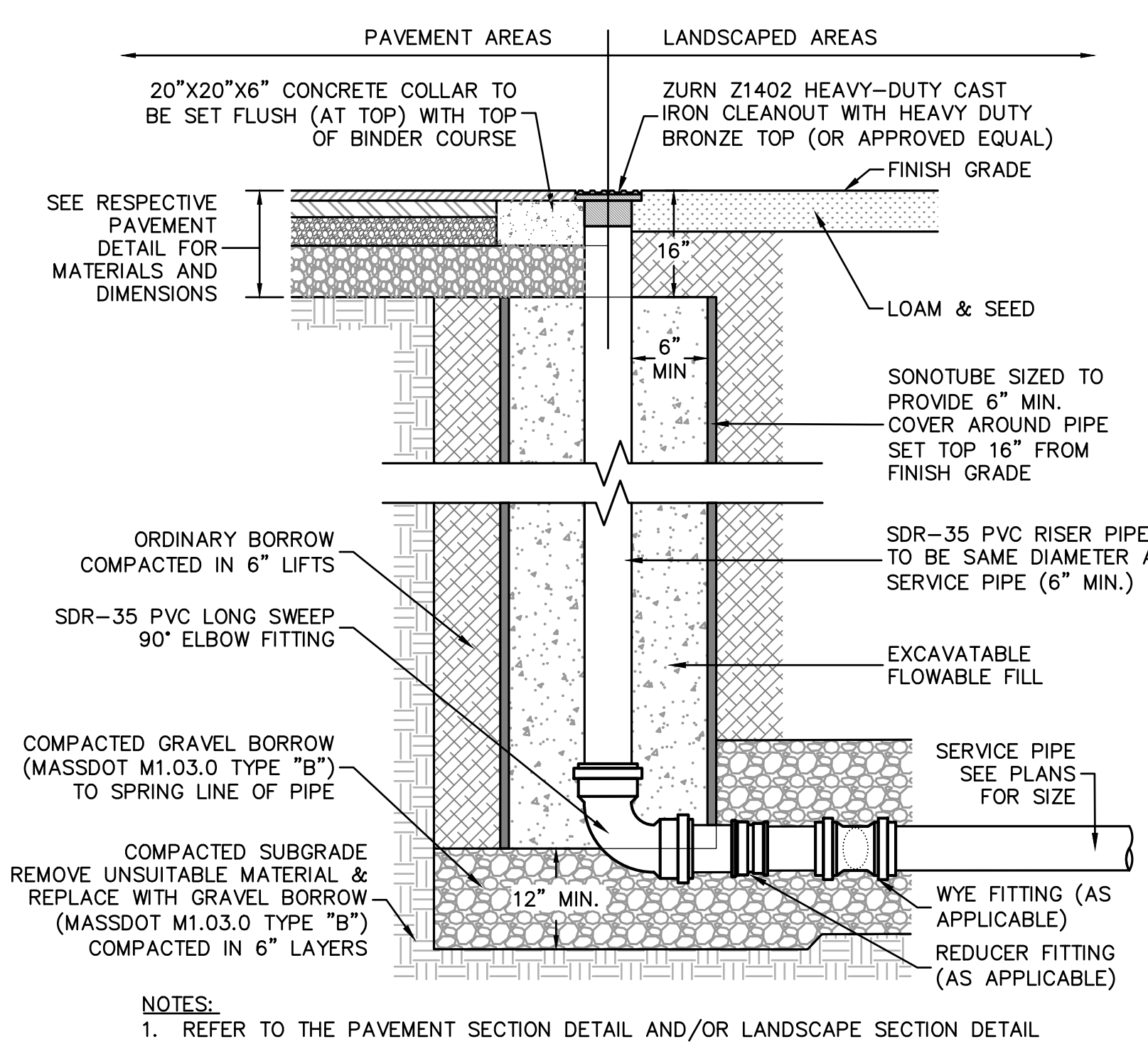
④ DOWNSPOUT CAST IRON SHOE CONNECTION
NOT TO SCALE



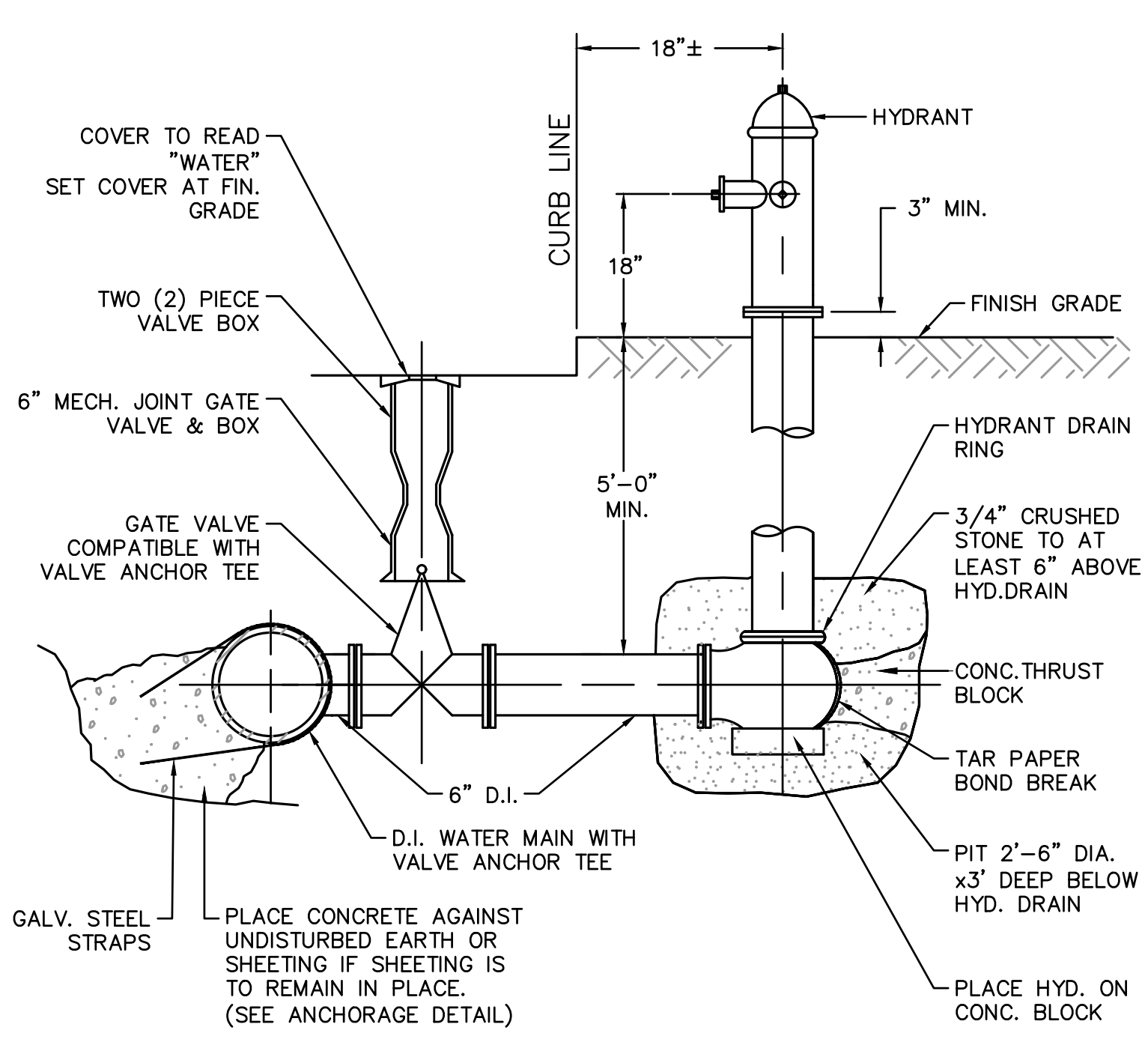
⑤ TAPPING SLEEVE, VALVE & BOX DETAIL
NOT TO SCALE



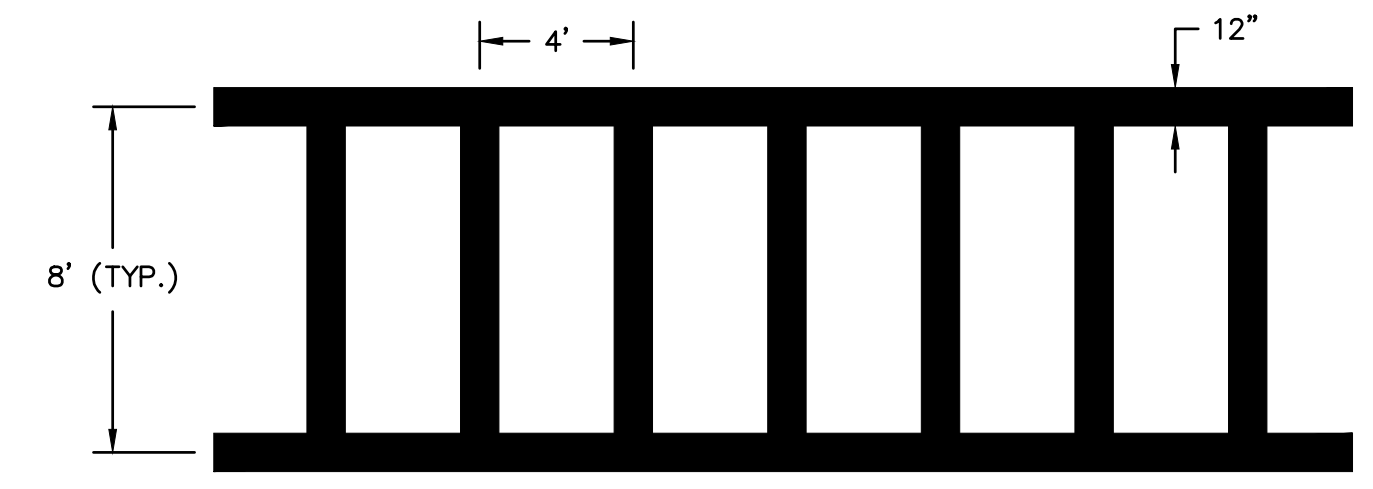
⑥ GATE VALVE DETAIL
NOT TO SCALE



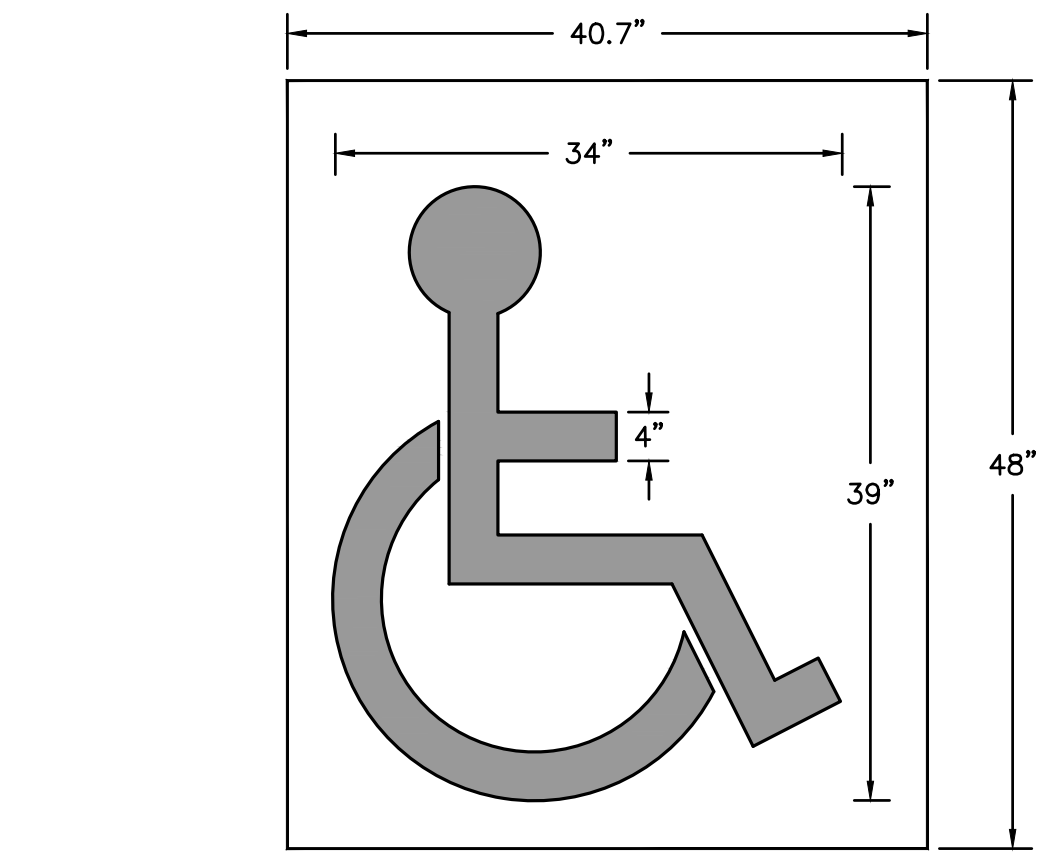
⑦ CLEANOUT DETAIL
NOT TO SCALE



⑧ FIRE HYDRANT DETAIL
NOT TO SCALE



⑨ CROSSWALK DETAIL
NOT TO SCALE



⑩ ACCESSIBLE PARKING STENCIL DETAIL
NOT TO SCALE



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F: 508.338.6472

STAMP: CHLOE M. CHRISTENSEN, CIVIL ENGINEER, No. 46260, REGISTERED PROFESSIONAL ENGINEER, 10/14/2021

No.	Description	Date
2	Addendum 2	9/27/21
4	Addendum 4	10/4/21

No.	Description	Date
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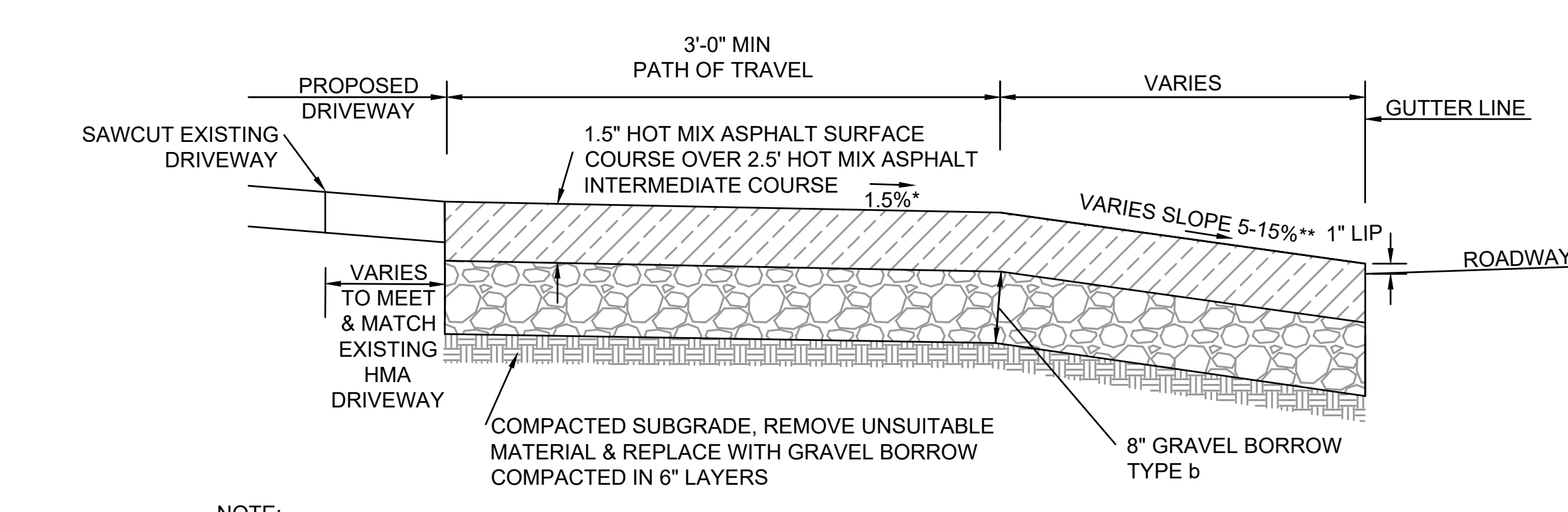
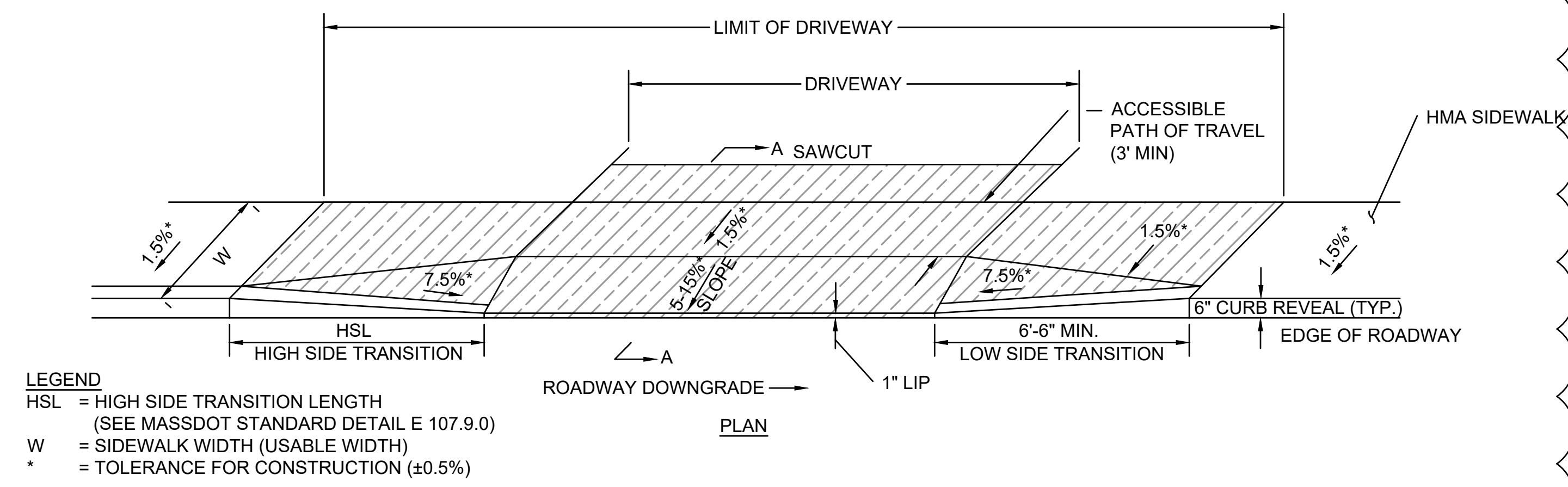
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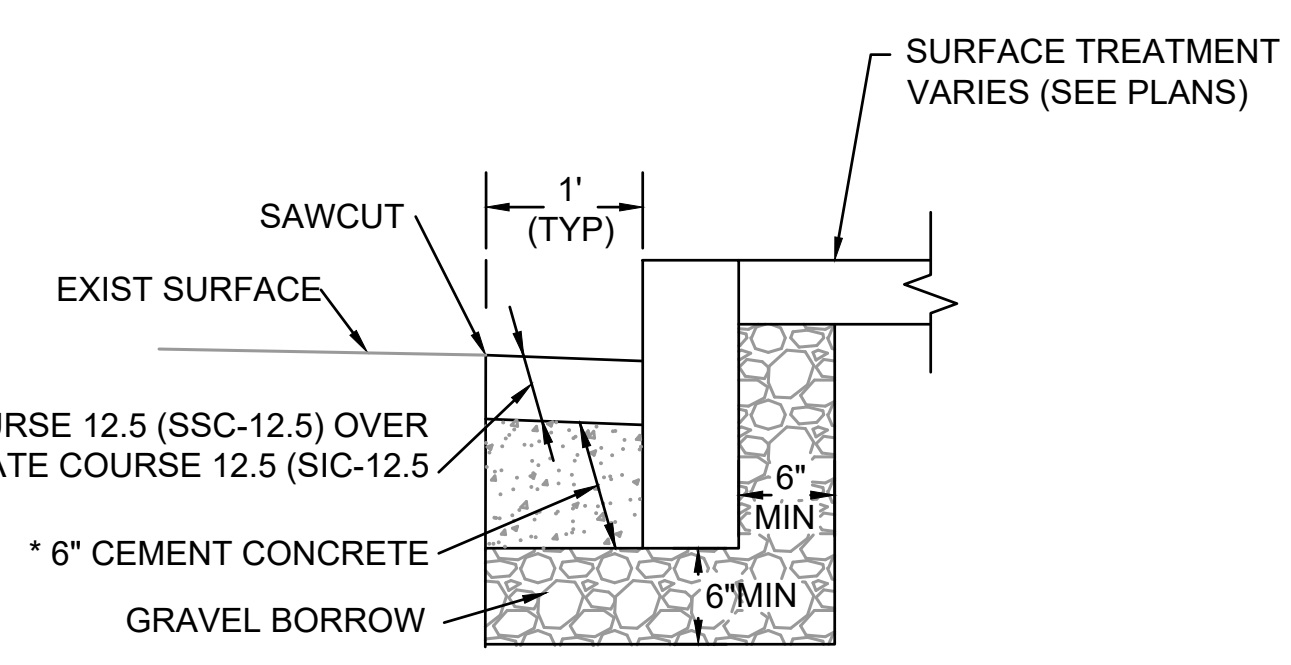
C6.1

UPTON COMMUNITY CENTER
9 MILFORD STREET
UPTON MASS. 01568
100% CD-COMFORMANCE SET ADDENDA 1-4 INCORPORATED 10/6/2021

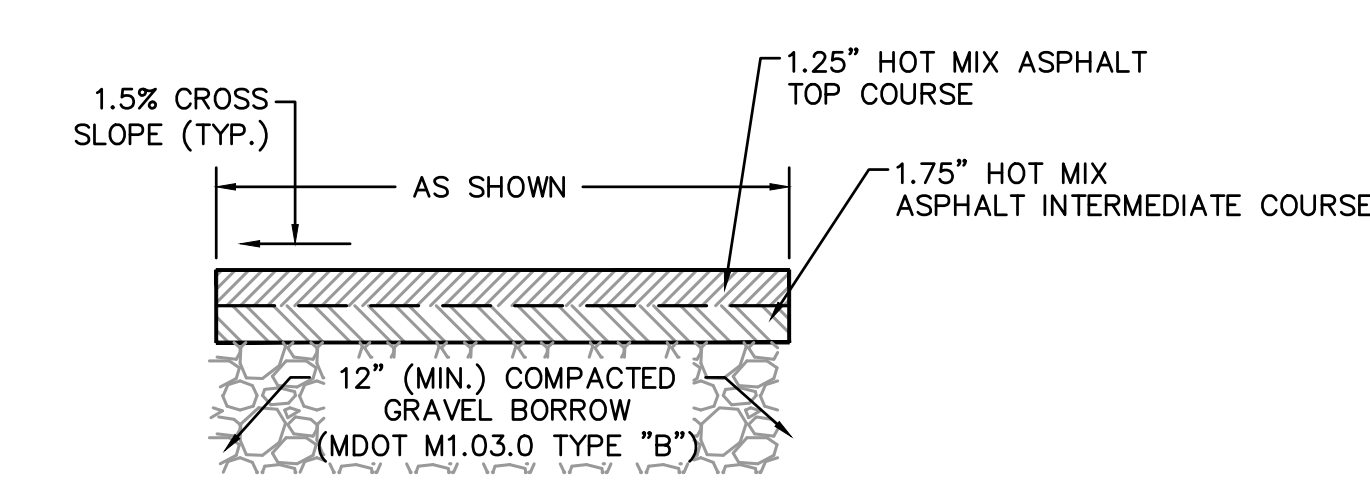


NOTE:
 1. SEE DRAWING E107.7.0 OF THE MASSDOT CONSTRUCTION STANDARDS.
 * = TOLERANCE FOR CONSTRUCTION (± 0.5%)
 ** = 8% MAX DRIVEWAY SLOPE IS RECOMMENDED

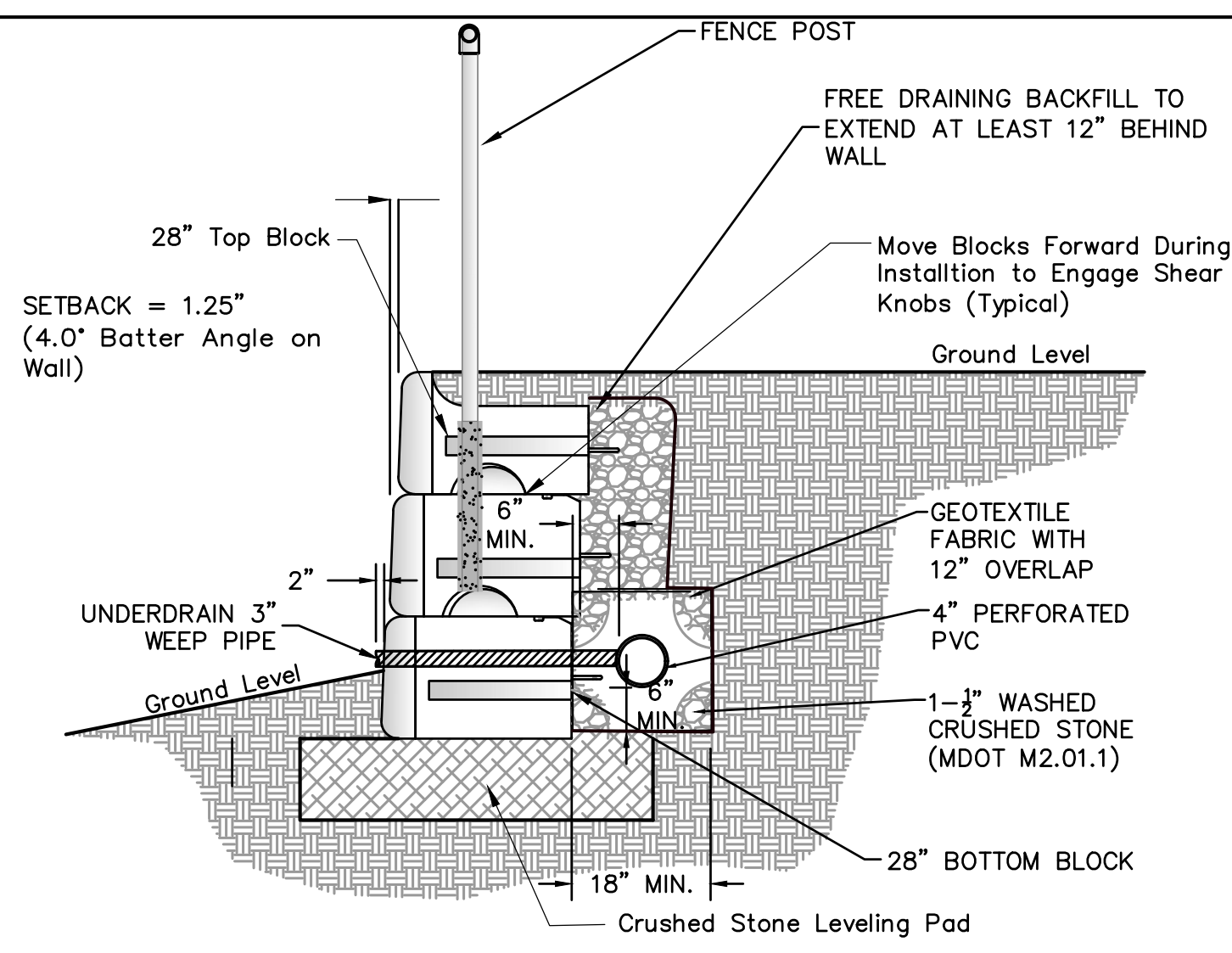
① HOT MIX ASPHALT DRIVEWAY
 NOT TO SCALE



⑥ GRANITE CURB IN STATE HIGHWAY LAYOUT
 NOT TO SCALE

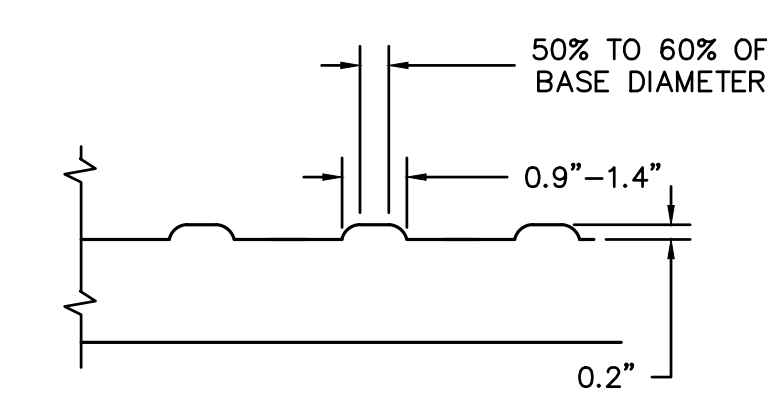


⑦ HOT MIX ASPHALT WALKWAY IN STATE HIGHWAY LAYOUT
 NOT TO SCALE

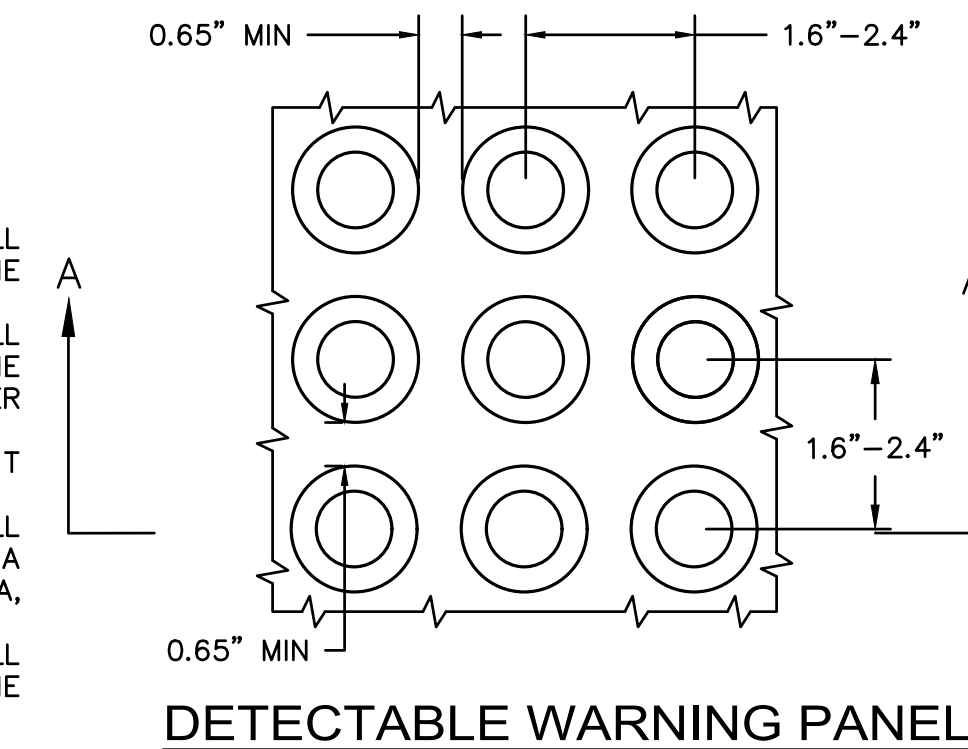


**② TYPICAL GRAVITY WALL WITH 28\"/>
 No Scale**

THIS DRAWING IS FOR REFERENCE ONLY. DETERMINATION OF THE SUITABILITY AND/OR MANNER OF USE OF ANY DETAILS CONTAINED IN THIS DOCUMENT IS THE SOLE RESPONSIBILITY OF THE DESIGN ENGINEER OF RECORD. FINAL PROJECT DESIGNS, INCLUDING ALL CONSTRUCTION DETAILS, SHALL BE PREPARED BY A LICENSED PROFESSIONAL STRUCTURAL ENGINEER USING THE ACTUAL CONDITIONS OF THE PROPOSED SITE.



SECTION A-A

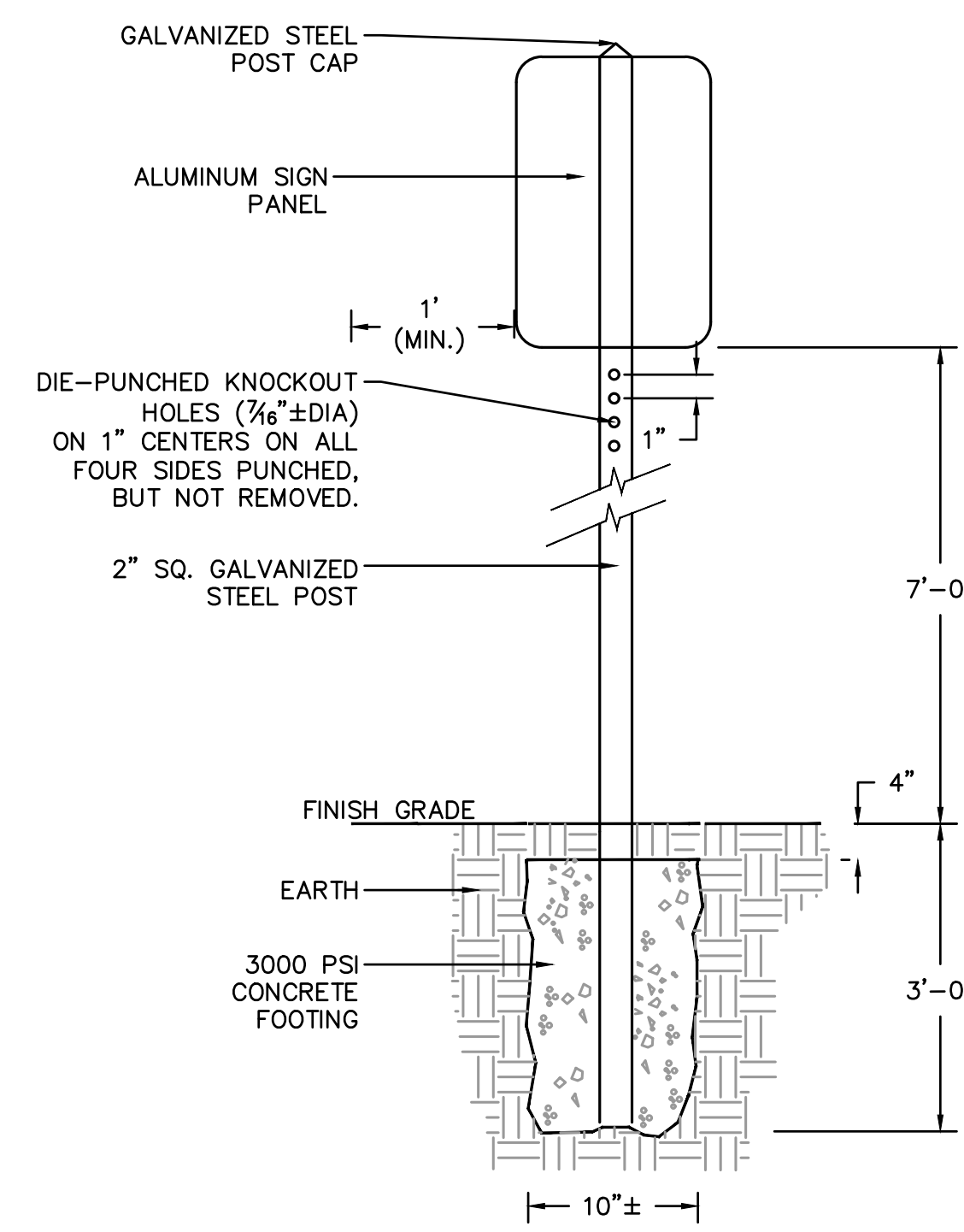


DETECTABLE WARNING PANEL

NOTES:

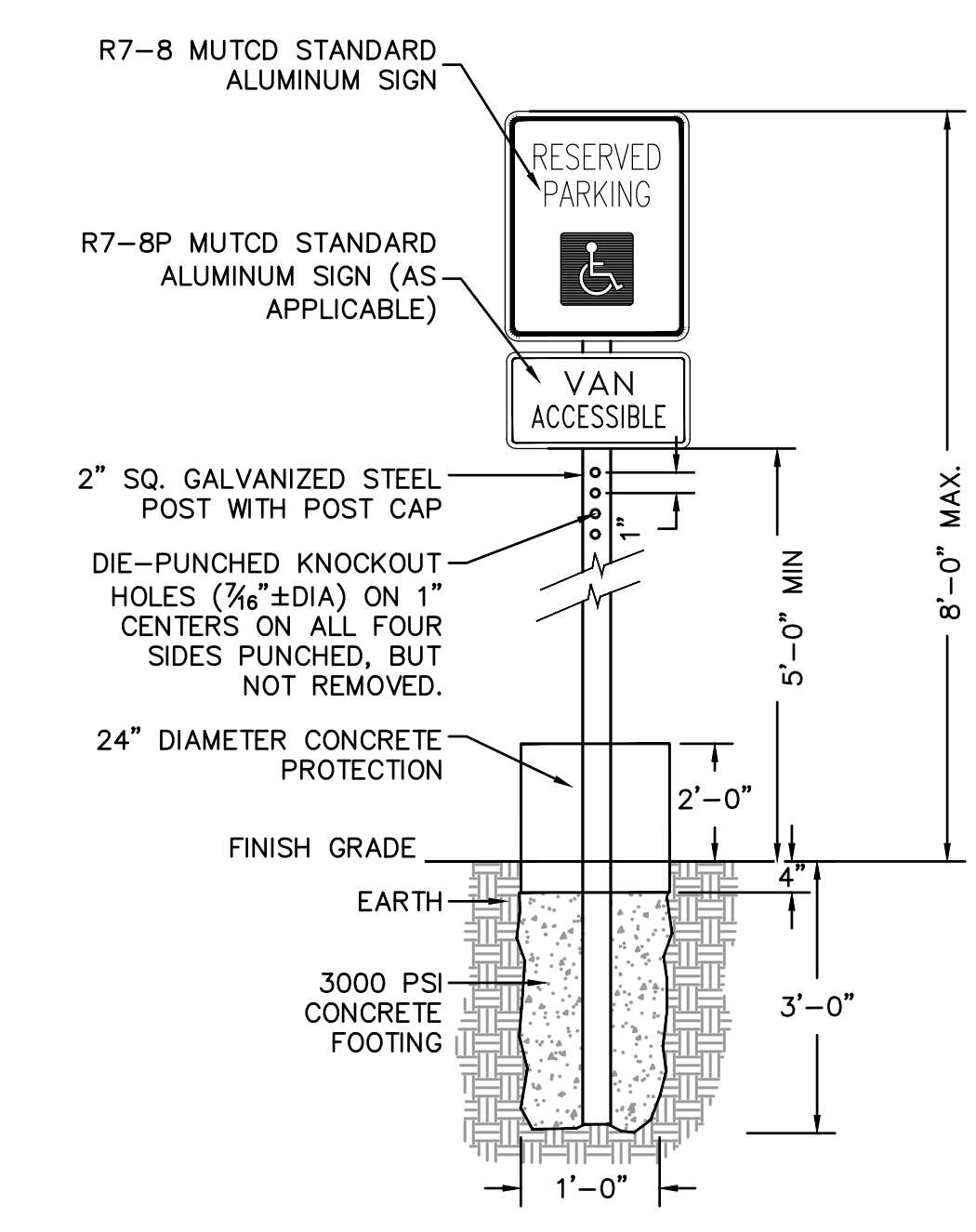
1. DETECTABLE WARNING PANELS SHALL BE PERMANENTLY APPLIED TO THE RAMP.
2. DETECTABLE WARNING PANELS SHALL CONTRAST VISUALLY WITH THE ADJACENT WALKWAY SURFACES PER THE FOLLOWING COLOR SCHEDULE:
 • PALE YELLOW ON CEMENT CONCRETE, PEDESTRIAN RAMPS
3. DETECTABLE WARNING PANELS SHALL BE AS MANUFACTURED BY ADA SOLUTIONS, INC. OF NORTH BILLERICA, MA OR AN APPROVED EQUAL.
4. DETECTABLE WARNING PANELS SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS.

③ DETECTABLE WARNING PANEL FOR PEDESTRIAN RAMPS DETAIL
 NOT TO SCALE

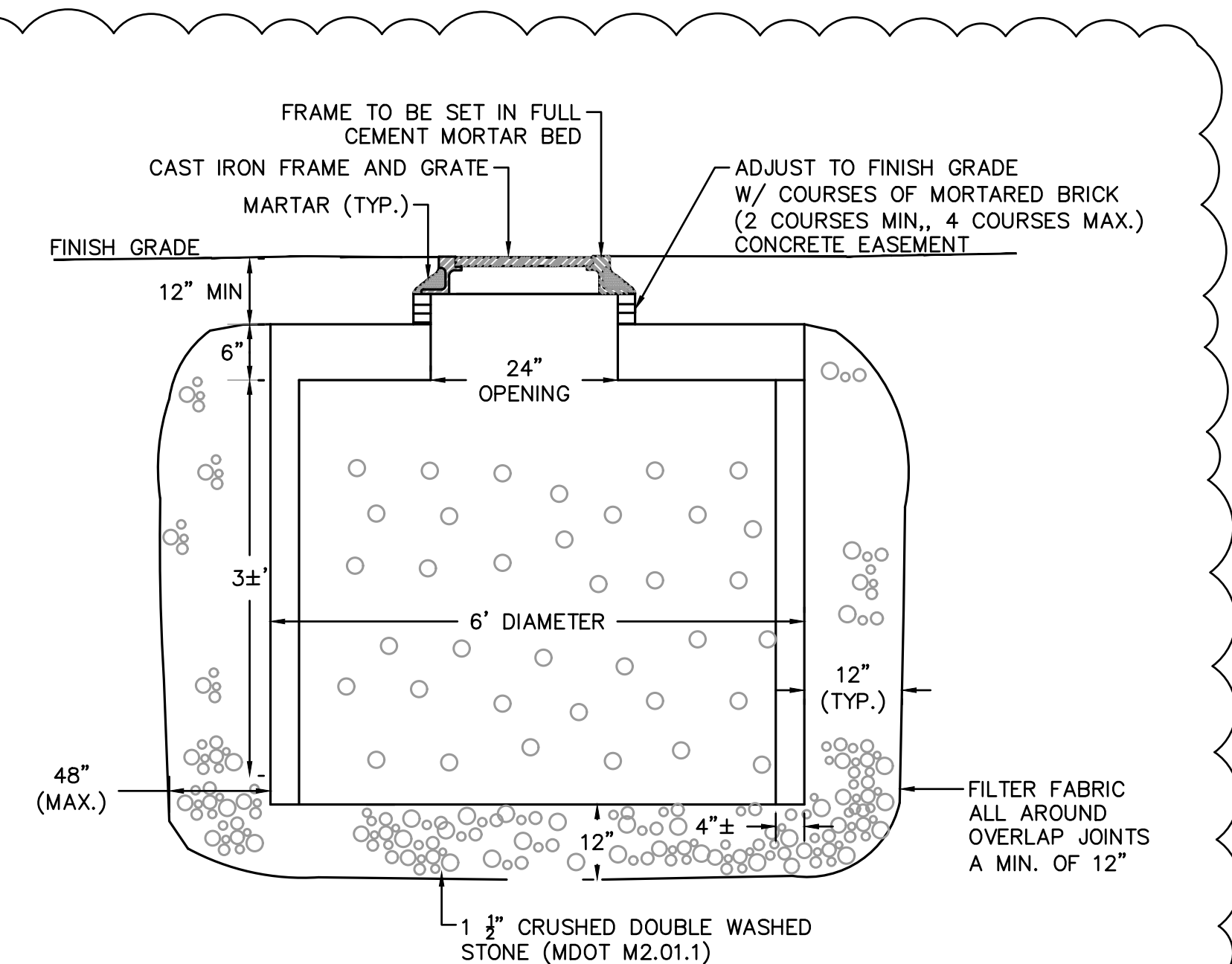


④ SIGN POST SETTING DETAIL
 NOT TO SCALE (SIGN PANEL UNDER 10 SF IN AREA)

SIGNS SHALL BE SET AT RIGHT ANGLES TO THE DIRECTION, AND FACING, THE TRAFFIC INTENDED TO SERVE.



⑤ HANDICAPPED PARKING SIGNAGE DETAIL
 NOT TO SCALE



NOTES:

1. NO BOTTOM
2. CONCRETE MINIMUM STRENGTH: 4,000 P.S.I. 28 DAYS
3. STEEL REINFORCEMENT: ASTM A-615, A-185, OR A-497, 1\"/>

⑧ DRY WELL DETAIL



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 Worcester, MA 01609
 508.855.5204
 F: 508.855.4472



No.	Description	Date
4	Addendum 4	10/4/21

No.	Description	Date

UPTON COMMUNITY CENTER
 9 MILFORD STREET
 UPTON MASS. 01568
 100% CD-COMFORMANCE SET ADDENDA 1-4 INCORPORATED 10/6/2021

TITLE:
CIVIL DETAILS 3

JOB NUMBER:
 20-05 (NITSCH #14213)

DRAWN BY:
 RMG

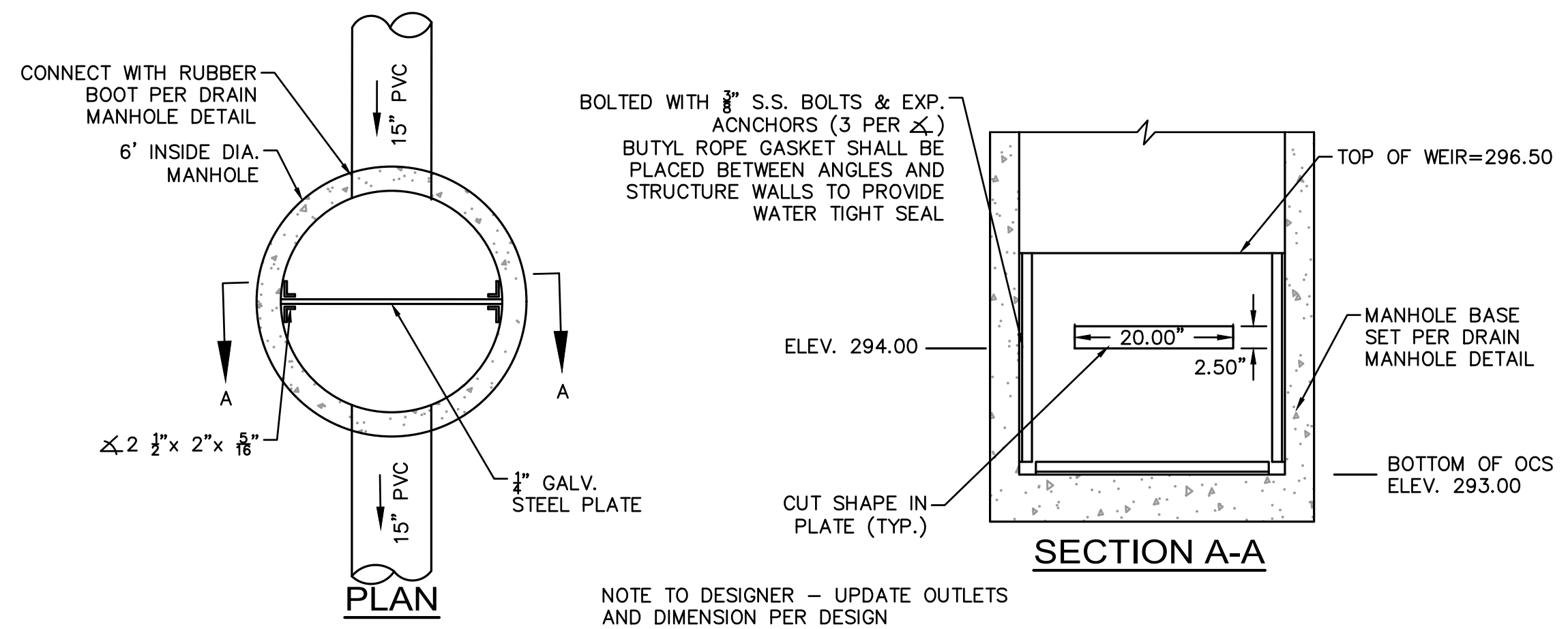
CHECKED BY:
 RMG/CRC

DATE:
 9/8/2021

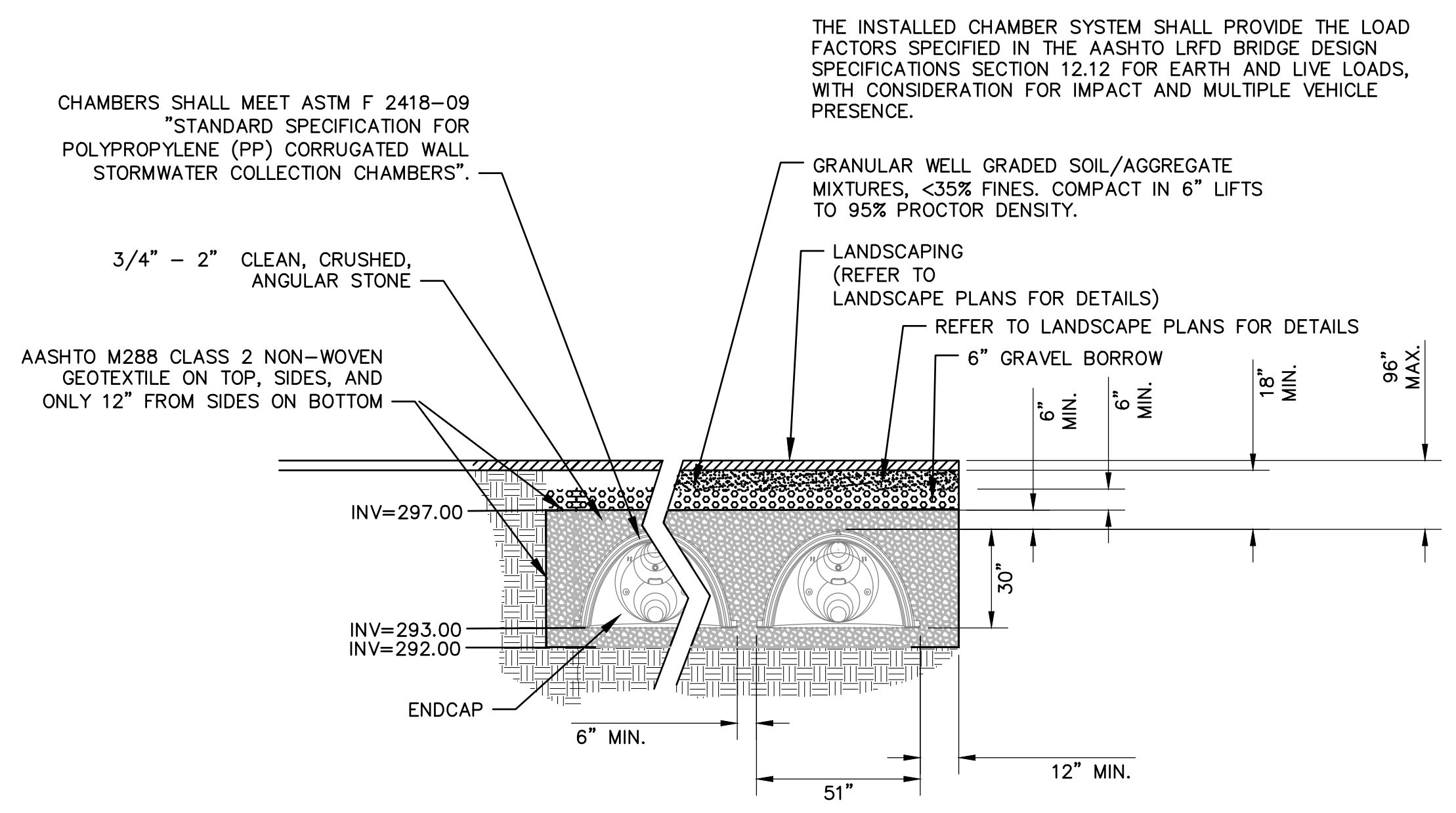
SCALE:
 AS SHOWN

SHEET NO.:

C6.2

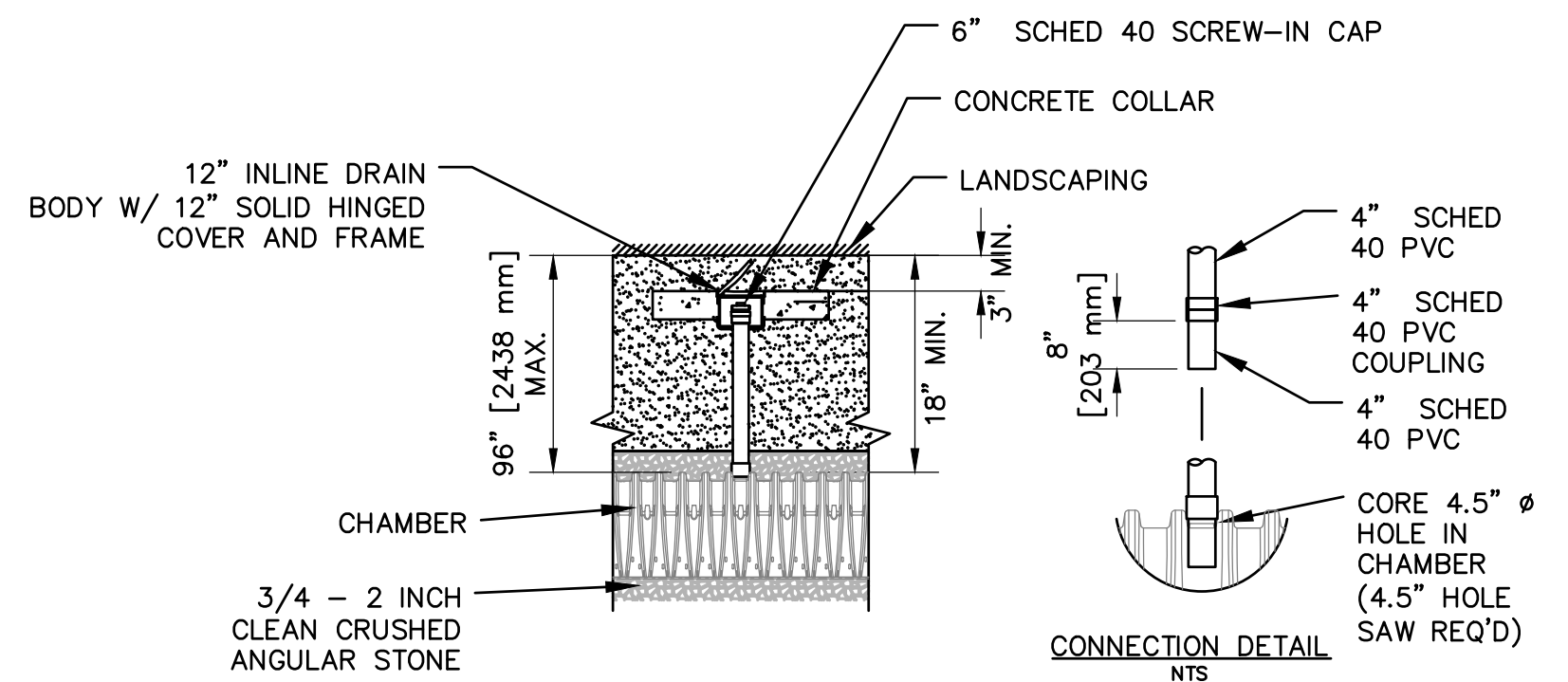


① UNDERGROUND INFILTRATION BASIN OUTLET CONTROL STRUCTURE
NOT TO SCALE

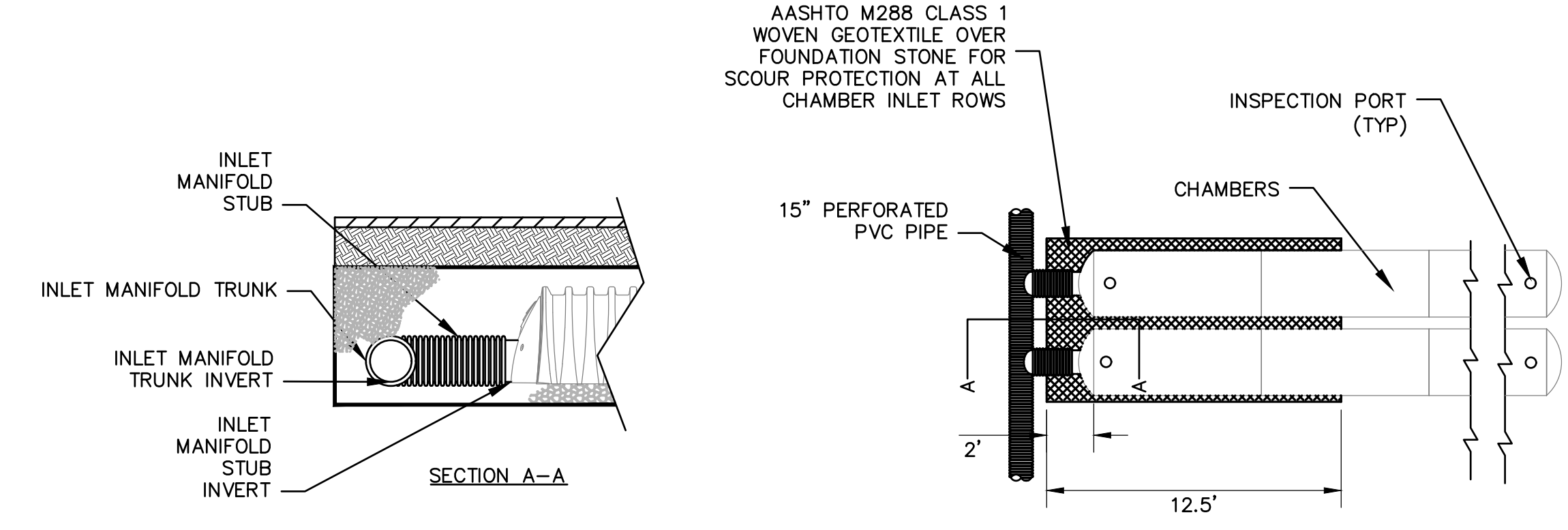


② SUBSURFACE INFILTRATION SYSTEM STANDARD CROSS SECTION
(PRODUCT SHOWN IS STORMTECH SC-740 - SEE SPECIFICATIONS FOR ALTERNATIVE PRODUCT RECOMMENDATIONS)

NOTE:
1) MINIMUM 2 FEET OF SEPERATION BETWEEN BOTTOM OF INFILTRATION SYSTEM AND GROUNDWATER TABLE. TEST PIT DOWN TO EL. 290.00' DID NOT ENCOUNTER GROUNDWATER.
2) NO REFUSAL AT BOTTOM OF TEST PIT AT EL. 290.00'.



③ TYPICAL INSPECTION PORT
NOT TO SCALE



④ STORMWATER CHAMBER PLAN AND ELEVATION
NOT TO SCALE

- NOTES:
1. INSTALLATION OF STORMTECH SYSTEMS SHALL CONFORM TO SPECIFICATIONS FOR THE SELECTED PRODUCT AND IN ACCORDANCE WITH THE MANUFACTURER'S DESIGN MANUAL.
 2. THE INSTALLATION OF CHAMBERS SHALL BE IN ACCORDANCE WITH THE LATEST INSTALLATION INSTRUCTIONS PROVIDED BY THE MANUFACTURER.
 3. THE CONTRACTOR IS ADVISED TO REVIEW AND UNDERSTAND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS PRIOR TO BEGINNING SYSTEM INSTALLATION.
 4. CHAMBERS SHALL MEET THE DESIGN REQUIREMENTS AND LOAD FACTORS SPECIFIED IN SECTION 12.12 OF THE LATEST EDITION OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS



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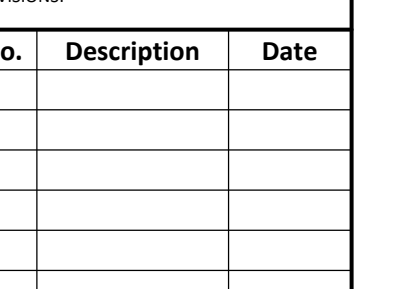
www.t2architecture.com

CONSULTANT



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Fax: 508.748.2444
www.nitsch-engineering.com

STAMP



REVISIONS

No.	Description	Date

No.	Description	Date

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UPTON COMMUNITY CENTER
9 MILFORD STREET
UPTON MASS. 01568
100% CD-CONFORMANCE SET ADDENDA 1-4 INCORPORATED 10/6/2021

TITLE
CIVIL
DETAILS 4

JOB NUMBER:
20-05 (NITSCH #14213)

DRAWN BY:
RMG

CHECKED BY:
RMG/CRC

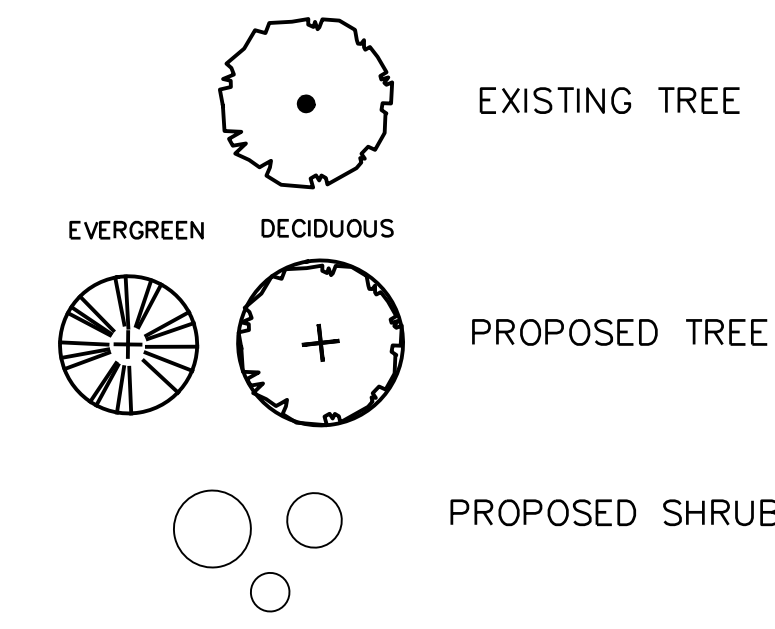
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9/8/2021

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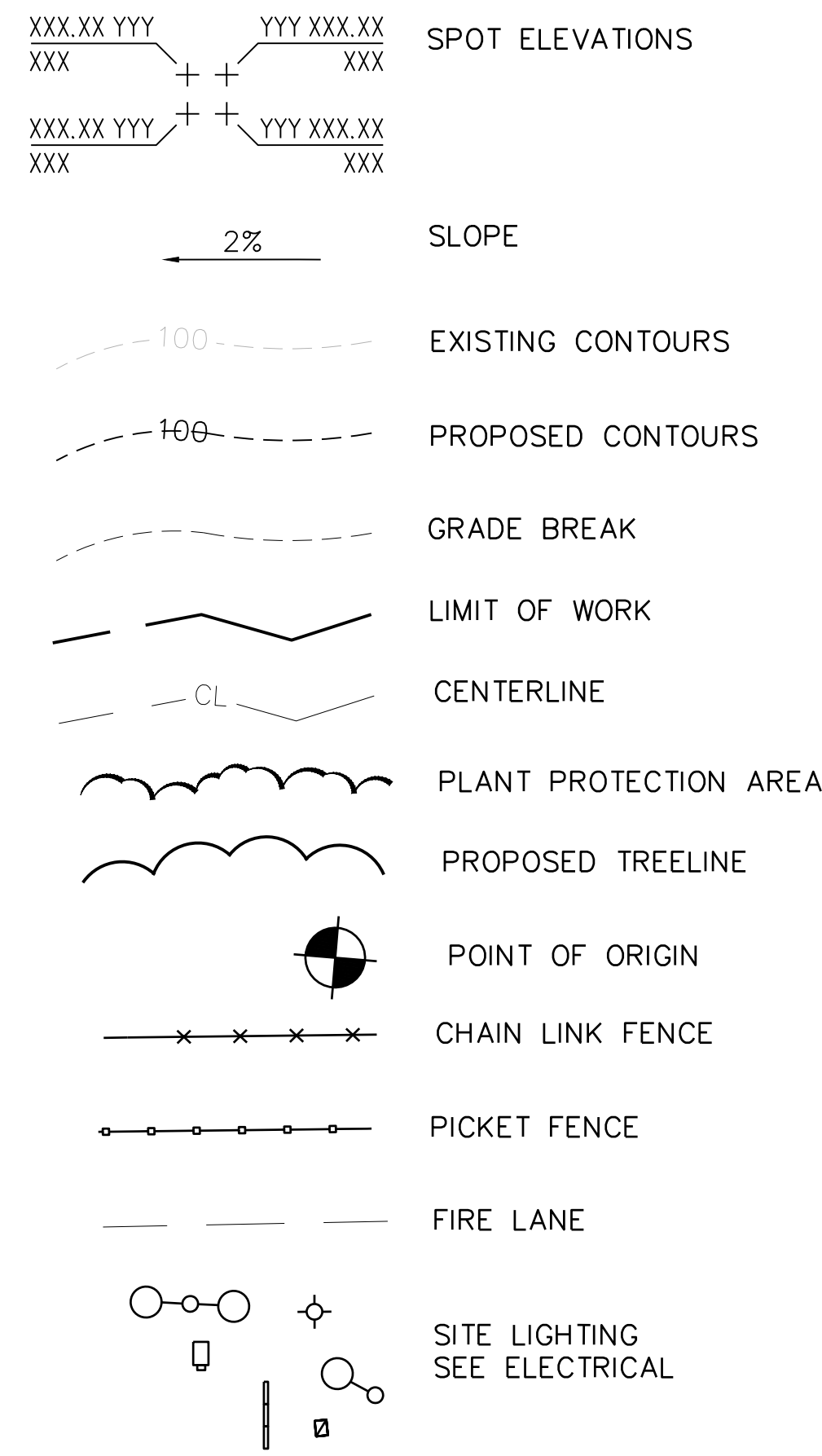
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C6.3

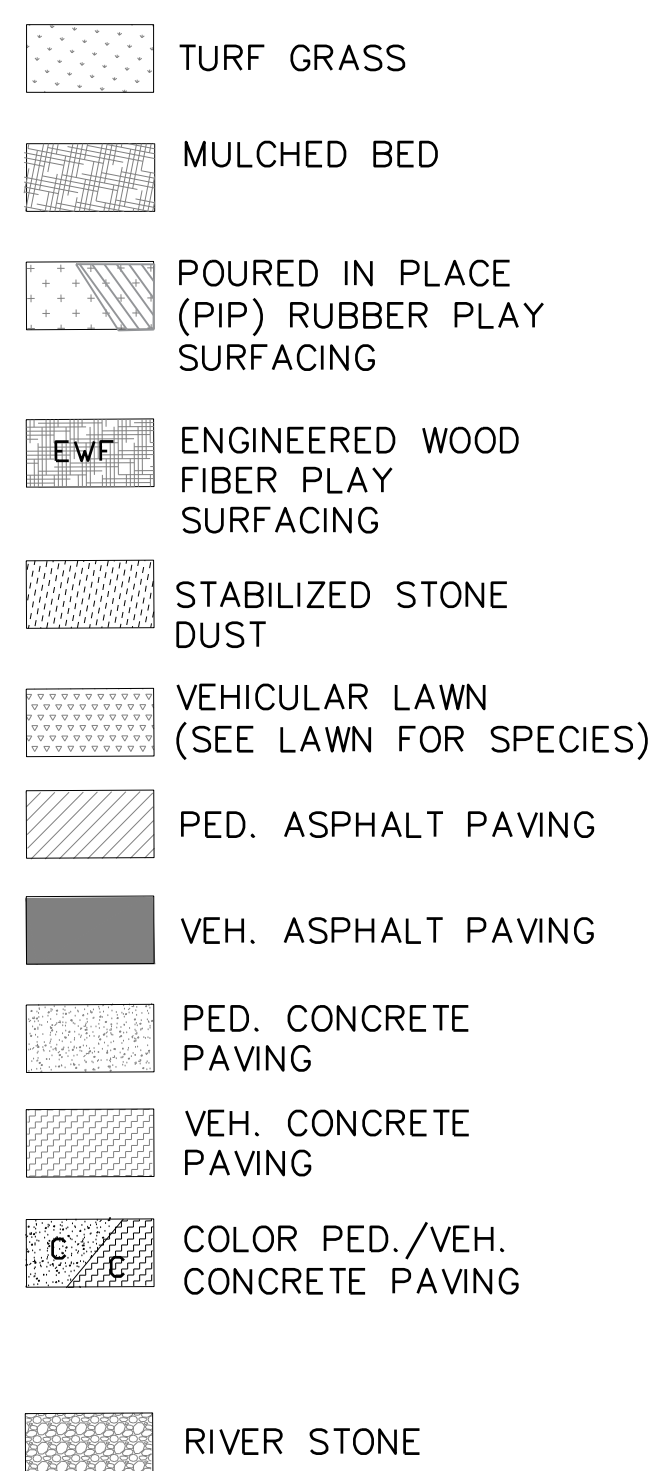
LEGEND: PLANTING PLAN



LEGEND: GRADING PLAN



LEGEND: MATERIAL PLAN



TREES

QUANTITY	SYMBOL	SCIENTIFIC NAME	COMMON NAME	SIZE	CONDITION	SPACING
3	JV	Juniperus virginiana	Eastern red cedar	1.5" cal.	B & B	AS SHOWN
3	NS	Nyssa sylvatica	Black gum	2"-3" cal.	B & B	AS SHOWN
5	AR	Acer rubrum	Red maple	2"-3" cal.	B & B	AS SHOWN
2	QC	Quercus coccinea	Scarlet oak	2"-3" cal.	B & B	AS SHOWN
3	CE	Cercis canadensis	Red bud	2"-3" cal.	B & B	AS SHOWN
3	CC	Carpinus caroliniana	American hornbeam	2"-3" cal.	B & B	AS SHOWN
2	CG	Carya glabra	Pignut hickory	2"-3" cal.	B & B	AS SHOWN

SHRUBS & VINES

QUANTITY	SYMBOL	SCIENTIFIC NAME	COMMON NAME	SIZE	CONDITION	SPACING
8	CPS	Comptonia peregrina	Sweetfern	2 gal.	Container	36" OC
19	HA	Hydrangea aborescens 'Abetwo'	Incrediball smooth hydrangea	5 gal.	Container	36" O.C.
55	RA	Rhus aromatica 'Gro-Low'	'Gro-Low' fragrant sumac	2 gal.	Container	48" O.C.
35	IV	Itea virginica 'Sprich'	'Little Henry' dwarf Virginia sweetspire	3 gal.	Container	36" O.C.
19	MG	Myrica gale	Sweet gale	5 gal.	Container	48" O.C.
12	MP	Myrica pensylvanica	Northern bayberry	5 gal.	Container	60" OC
16	RC	Rhododendron 'Cunningham White'	Rhododendron 'Cunningham White'	5 gal.	Container	48" OC
3	CBC	Clematis crispa x c. viticella	Clematis 'Betty Corning'	2 gal.	Container	36" O.C.

FERNS, GRASSES & GROUND COVERS

QUANTITY	SYMBOL	SCIENTIFIC NAME	COMMON NAME	SIZE	CONDITION	SPACING
164	CP	Carex pensylvanica	Pennsylvania sedge	1 gal.	Container	12" O.C.
34	MS	Matteuccia struthiopteris	Ostrich fern	1 gal.	Container	24" O.C.
159	SS	Schizachyrium scoparium 'The Blues'	Little bluestem 'The Blues'	1 gal.	Container	12" O.C.
206	WT	Waldsteinia fragarioides (or W. ternata)	Barren strawberry	4"	Container	24" O.C.

FLOWERING PERENNIALS

QUANTITY	SYMBOL	SCIENTIFIC NAME	COMMON NAME	SIZE	CONDITION	SPACING
57	EP	Echinacea purpurea 'White Swan'	White coneflower	1 gal.	Container	18" O.C.
72	LSA	Liatris spicata 'Floristan White'	White blazing star	1 gal.	Container	12" O.C.
72	NXF	Nepeta x Faassenii 'Walker's Deep Blue'	Catmint 'Walker's Deep Blue'	1 gal.	Container	24" O.C.

- LAWN HYNDROSEED MIX:
- TALL FESCUE (FESTUCA ARUNDINACEA)
 - PERENNIAL RYE (LOLIUM PERENNE)
 - KENTUCKY BLUEGRASS (POA PRATENSIS)
 - INTERMEDIATE RYE (PANTERRA RYE) IF INSTALLED IN SUMMER

- FLOWER MEADOW SEED MIX:
- LITTLE BLUESTEM (SCHIZACHYRIUM SCOPARIUM)
 - RED FESCUE (FESTUCA RUBRA)
 - INDIAN GRASS (SORGHASTRUM NUTANS)
 - PARTRIDGE PEA (CHAMAECRISTA FASCICULATA)
 - CANADA WILD RYE (ELYMUS CANADENSIS)
 - RIVERBANK WILD RYE (ELYMUS RIPARIUS)
 - BUTTERFLY MILKWEED (ASCLEPIAS TUBEROSA)
 - BLACK EYED SUSAN (RUDBECKIA HIRTA)
 - LANCE LEAVED COREOPSIS (COREOPSIS LANCEOLATA)
 - OX EYE SUNFLOWER (HELIOPSIS HELIANTHOIDES)
 - COMMON SNEEZEWEED (HELENIUM AUTUMNALE)
 - MARSH BLAZING STAR (LIATRIS SPICATA)
 - BLUE VERVAIN (VERBENA HASTATA)
 - NEW ENGLAND ASTER (ASTER NOVAE-ANGLIAE)
 - WILD BLUE FALSE INDIGO (BAPTISIA AUSTRALIS)
 - HOLLOWSTEM JOE PYE WEED (EUPATORIUM FISTULOSUM/ EUTROCHUM FISTULOSUM)
 - EARLY GOLDENROD (SOLIDAGO JUNCEA)

- FOREST EDGE SEED MIX:
- VIRGINIA WILD RYE (ELYMUS VIRGINICUS)
 - CANADA WILD RYE (ELYMUS CANADENSIS)
 - RED FESCUE (FESTUCA RUBRA)
 - PARTRIDGE PEA (CHAMAECRISTA FASCICULATA)
 - MARSH BLAZING STAR (LIATRIS SPICATA)
 - SENSITIVE FERN (ONOCLEA SENSIBILIS)
 - ZIGZAG ASTER (ASTER PRENANTHOIDES/SYMPHYOTRICHUM PRENANTHOIDE)
 - HOLLOWSTEM JOE PYE WEED (EUPATORIUM FISTULOSUM/ EUTROCHUM FISTULOSUM)
 - BONESET (EUPATORIUM PERFOLIATUM)
 - PATH RUSH (JUNCUS TENUIS)

GENERAL NOTES:

- CONTRACTOR SHALL GIVE 24 HOUR NOTICE TO PERTINENT TOWN DEPARTMENTS BEFORE COMMENCING ANY WORK IN THE FIELD.
- THIS PLAN WAS DEVELOPED BASED ON A SURVEY PREPARED BY CMG ENGINEERING AND O'DRISCOLL LAND SURVEYING, INC., AND PROVIDED TO T2 ARCHITECTURE FOR USE IN THIS PROJECT.

LAYOUT & GRADING NOTES:

- PRIOR TO CLEARING THE SITE FOR CONSTRUCTION, GENERAL CONTRACTOR TO HOST A PRE-CONSTRUCTION CONFERENCE TO REVIEW LAYOUT.
- ALL PLAY EQUIPMENT IS EXISTING EQUIPMENT, RELOCATED TO CONFIGURATIONS SHOWN EXCEPT WHERE NOTED "PROTECT", AND EXCEPT EMBANKMENT SLIDES (WHICH ARE NEW). EXISTING PLAYGROUND EQUIPMENT REMOVAL, STORAGE, AND REINSTALLATION NOT IN CONTRACT. COORDINATION WITH OTHER CONTRACTOR IS REQUIRED.
- LAYOUT OF PATHS, WALKS, GRADES, SLOPES, AND PLAY STRUCTURES MUST BE IN STRICT CONFORMANCE WITH SITE PLANS. NO DEVIATIONS FROM CONTRACT GEOMETRIES WILL BE ACCEPTED UNLESS APPROVED BY LANDSCAPE ARCHITECT AND OWNER'S REPRESENTATIVE IN WRITING. LAYOUTS SHOULD BE BASED UPON CAD DOCUMENTS PROVIDED BY LANDSCAPE ARCHITECT AND CIVIL ENGINEER.
- ALL LAYOUTS, MATERIALS, SITE FURNISHINGS, AND GRADES MUST COMPLY WITH THE U.S. ARCHITECTURAL AND TRANSPORTATION BARRIERS COMPLIANCE BOARD'S GUIDE TO ADA ACCESSIBILITY GUIDELINES FOR PLAY AREAS AND THE U.S. CONSUMER PRODUCT SAFETY COMMISSION'S PUBLIC PLAYGROUND SAFETY HANDBOOK.
- ALL CENTERLINES OF PAVED AREAS, GRADE BREAKS TO BE STAKED IN THE FIELD WITH GRADE STAKES AND STRING LINES FOR APPROVAL PRIOR TO CONSTRUCTION. ALL LAYOUT AND STAKINGS SHALL BE PERFORMED BY A LICENSED SURVEYOR.
- INSTALL CENTERLINES OF ALL PATHS USING A DIGITAL LAYOUT PROGRAM IN THE FIELD.
- INSTALL ALL GRADE BREAKS AND RIDGE LINES USING A DIGITAL LAYOUT PROGRAM IN THE FIELD.
- PROVIDE CURB CUTS AT ALL CROSS WALKS.
- REFER TO LANDSCAPE LEGEND FOR CLARIFICATION OF COMPONENTS AND LABELS.
- PROVIDE EDGE RESTRAINTS FOR ALL LOOSE HARDSCAPE MATERIALS AND RUBBERIZED SURFACES.
- PROVIDE EXPANSION JOINTS AT THE INTERSECTION OF PAVING AND OTHER STRUCTURES, WALLS, OR FOUNDATIONS. PROVIDE EXPANSION JOINTS AT REGULAR INTERVALS NO MORE THAN 20' APART.
- UNLESS OTHERWISE NOTED, ALL AREA DISTURBED BY CONSTRUCTION SHALL RECEIVE HYDROSEED LAWN MIX ON PREPARED TOPSOIL OF A DEPTH AND QUALITY INDICATED BY DRAWINGS AND SPECIFICATIONS.
- UNLESS OTHERWISE NOTED, ALL METAL SURFACES SHALL INCLUDE A BLACK, CORROSION RESISTANT COATING.

PLANTING NOTES:

- UNLESS OTHERWISE NOTED, ALL AREA DISTURBED BY CONSTRUCTION SHALL RECEIVE HYDROSEED LAWN MIX ON PREPARED TOPSOIL OF A DEPTH AND QUALITY INDICATED BY DRAWINGS AND SPECIFICATIONS.
- SEE 329300 FOR PLANT SELECTION REQUIREMENTS.
- PRIOR TO PLANTING, ALL PLANTING AREAS MUST BE REVIEWED AND APPROVED BY LANDSCAPE ARCHITECT AS CONFORMING WITH DRAWINGS, INCLUDING BUT NOT LIMITED TO FINISH GRADE, SOIL DEPTHS, CENTERLINES, AND GRADE BREAKS. WORK NOT IN COMPLIANCE WILL BE REJECTED AND MUST BE CORRECTED PRIOR TO PLANTING.
- PRIOR TO PLANTING, ALL SOILS SAMPLING AND AMENDMENT PROCEDURES MUST BE COMPLETED AS SPECIFIED. AT THE DISCRETION OF THE LANDSCAPE ARCHITECT, AMENDED SOILS WILL BE RETESTED BY A THIRD PARTY SOIL TESTING LAB AT NO ADDITIONAL COST TO OWNER UNTIL SOILS CONFORM WITH PERFORMANCE CRITERIA.
- FLAG ALL UTILITIES PRIOR TO PRELIMINARY LOCATION OF TREES AND SHRUBS.
- CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT AT LEAST 14 DAYS PRIOR TO ANTICIPATED ARRIVAL OF PLANT MATERIAL ON-SITE. CONTRACTOR SHALL PROVIDE A PRELIMINARY LAYOUT OF SHRUB AND GROUND COVER BED LOCATIONS WITH PAINT AND LABELED WIRE FLAGS FOR TREE LOCATIONS BASED ON DRAWINGS. LANDSCAPE ARCHITECT WILL REVIEW IN THE FIELD AND ADJUST LAYOUT PRIOR TO PLANTING BY CONTRACTOR.
- UNLESS OTHERWISE INDICATED, ARRANGE CONTAINER PLANTS IN IRREGULAR MASSES OF SAME SPECIES, 5 MIN TO 13 MAX PER MASS.
- PROVIDE TEMPORARY IRRIGATION FOR ALL NEW PLANTING AND SEEDED AREAS AS SPECIFIED.
- PROVIDE TEMPORARY FENCING (PLASTIC OR WOOD STAKES AND STRING) FOR ALL PLANTED AREAS THROUGH PLANT ESTABLISHMENT. REMOVE TEMPORARY FENCING WITHIN 14 DAYS AFTER SUBSTANTIAL COMPLETION OR IF DIRECTED BY OWNER OR LANDSCAPE ARCHITECT.
- UNLESS OTHERWISE NOTED, PROVIDE MALE AND FEMALE PLANTS OF DIOECIOUS PLANTS, INCLUDING MYRICA PENNSYLVANICA.

ABBREVIATIONS:

- PIP POURED IN PLACE RUBBER SAFETY SURFACING
- EFW ENGINEERED WOOD FIBER
- GB GRADE BREAK
- OC ON CENTER
- CL CENTER LINE
- CB CATCH BASIN
- AD AREA DRAIN
- TOC TOP OF CURB
- BOC BOTTOM OF CURB
- TOW TOP OF WALL
- BOW BOTTOM OF WALL
- TOS TOP OF STEP
- BOS BOTTOM OF STEP



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REVISIONS

No.	Description	Date

UPTON COMMUNITY CENTER
 9 MILFORD STREET, UPTON, MA. 01568
 100% CD - CONFORMANCE SET
 ADDENDA 1-4 INCORPORATED 10/6/2021

TITLE:

LEGEND AND PLANTING SCHEDULE

JOB NUMBER:

20-05

DRAWN BY:

NB, DS, TN

CHECKED BY:

NB, DS, PF

DATE:

09/08/2021

SCALE:



SHEET NO:

LO.0



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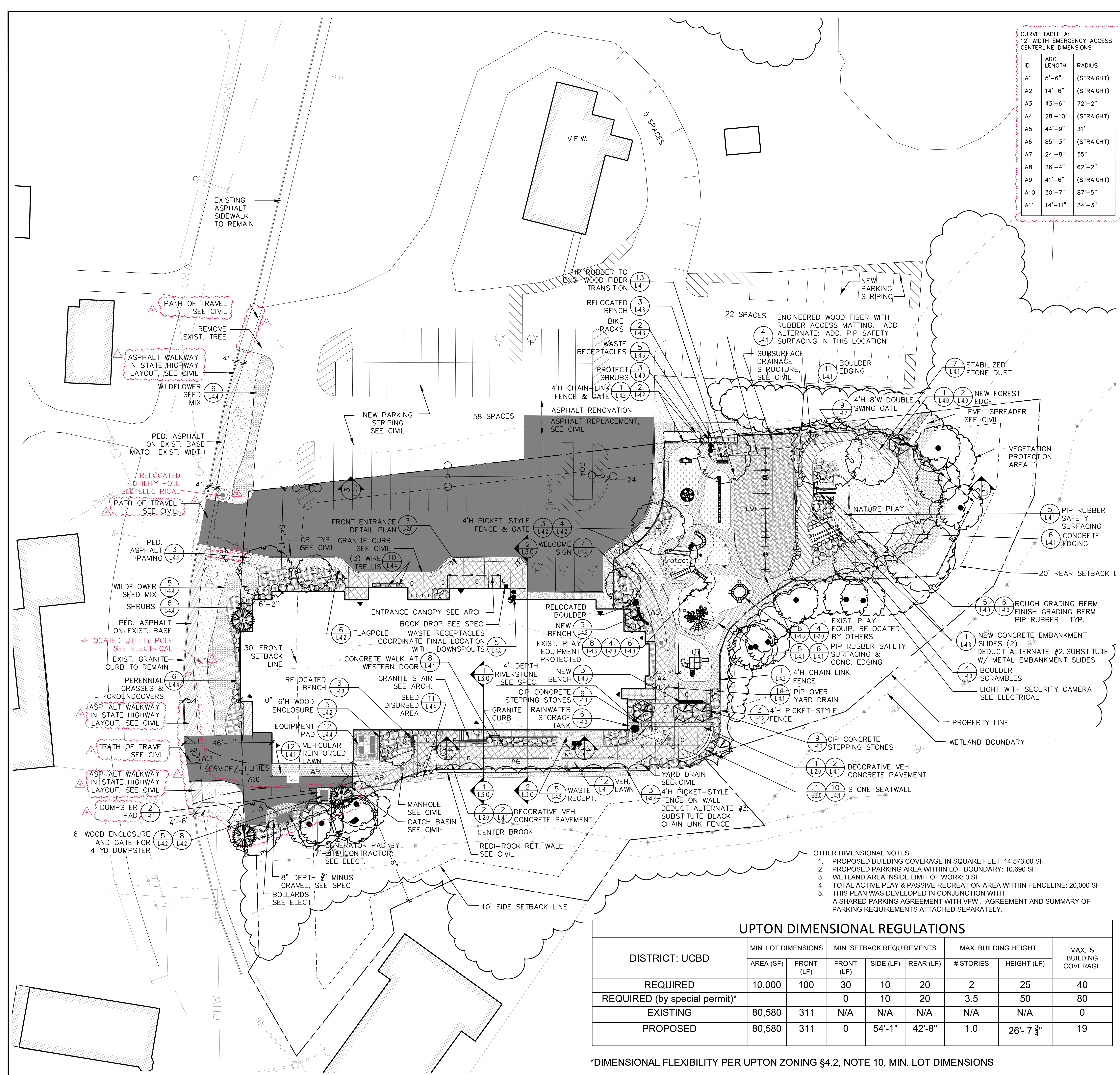
No.	Description	Date
1	ADDENDUM 2	09/28/2021
2	ADDENDUM 4	10/04/2021

GENERAL NOTES:

- CONTRACTOR SHALL GIVE 24 HOUR NOTICE TO PERTINENT TOWN DEPARTMENTS BEFORE COMMENCING ANY WORK IN THE FIELD.
- THIS PLAN WAS DEVELOPED BASED ON A SURVEY PREPARED BY CMG ENGINEERING AND O'DRISCOLL LAND SURVEYING, INC., AND PROVIDED TO T2 ARCHITECTURE FOR USE IN THIS PROJECT.
- SEE L.O.O FOR PLANTING, LAYOUT & GRADING NOTES.

CURVE TABLE A:
12' WIDTH EMERGENCY ACCESS CENTERLINE DIMENSIONS

ID	ARC LENGTH	RADIUS
A1	5'-6" (STRAIGHT)	
A2	14'-6" (STRAIGHT)	
A3	43'-6" 72'-2"	
A4	28'-10" (STRAIGHT)	
A5	44'-9" 31'	
A6	85'-3" (STRAIGHT)	
A7	24'-8" 55"	
A8	26'-4" 62'-2"	
A9	41'-6" (STRAIGHT)	
A10	30'-7" 87'-5"	
A11	14'-11" 34'-3"	



LEGEND: MATERIAL PLAN

- TURF GRASS
- MULCHED BED
- POURED IN PLACE (PIP) RUBBER PLAY SURFACING
- ENGINEERED WOOD FIBER PLAY SURFACING
- STABILIZED STONE DUST
- VEHICULAR LAWN (SEE LAWN FOR SPECIES)
- PED. ASPHALT PAVING
- VEH. ASPHALT PAVING
- PED. CONCRETE PAVING
- VEH. CONCRETE PAVING
- COLOR PED./VEH. CONCRETE PAVING
- RIVER STONE
- FLOWER MEADOW SEED MIX
- FOREST EDGE SEED MIX
- EXISTING TREE
- EVERGREEN
- DECIDUOUS
- PROPOSED TREE
- PROPOSED SHRUB
- CENTERLINE
- PLANT PROTECTION
- PROPOSED TREELINE
- POINT OF ORIGIN
- CHAIN LINK FENCE
- PICKET FENCE
- FIRE LANE
- SITE LIGHTING

- OTHER DIMENSIONAL NOTES:
- PROPOSED BUILDING COVERAGE IN SQUARE FEET: 14,573.00 SF
 - PROPOSED PARKING AREA WITHIN LOT BOUNDARY: 10,690 SF
 - WETLAND AREA INSIDE LIMIT OF WORK: 0 SF
 - TOTAL ACTIVE PLAY & PASSIVE RECREATION AREA WITHIN FENCELINE: 20,000 SF
 - THIS PLAN WAS DEVELOPED IN CONJUNCTION WITH A SHARED PARKING AGREEMENT WITH V.F.W. AGREEMENT AND SUMMARY OF PARKING REQUIREMENTS ATTACHED SEPARATELY.

ADDITIONAL INFORMATION	EXISTING	PROPOSED
% WETLAND AREA	2.5%	2.5%
% IMPERVIOUS SURFACE AREA	30.7%	41.9%
TOTAL FLOOR AREA	N/A	17,134.00 SF
FLOOR AREA RATIO	N/A	0.22

UPTON DIMENSIONAL REGULATIONS							
DISTRICT: UCBD	MIN. LOT DIMENSIONS		MIN. SETBACK REQUIREMENTS			MAX. BUILDING HEIGHT	
	AREA (SF)	FRONT (LF)	FRONT (LF)	SIDE (LF)	REAR (LF)	# STORIES	HEIGHT (LF)
REQUIRED	10,000	100	30	10	20	2	25
REQUIRED (by special permit)*			0	10	20	3.5	50
EXISTING	80,580	311	N/A	N/A	N/A	N/A	0
PROPOSED	80,580	311	0	54'-1"	42'-8"	1.0	26'-7 3/4"

*DIMENSIONAL FLEXIBILITY PER UPTON ZONING §4.2, NOTE 10, MIN. LOT DIMENSIONS

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LANDSCAPE LAYOUT & MATERIALS

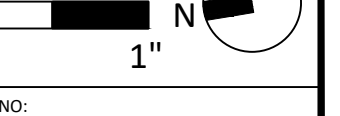
JOB NUMBER: 20-05

DRAWN BY: NB, DS, TN

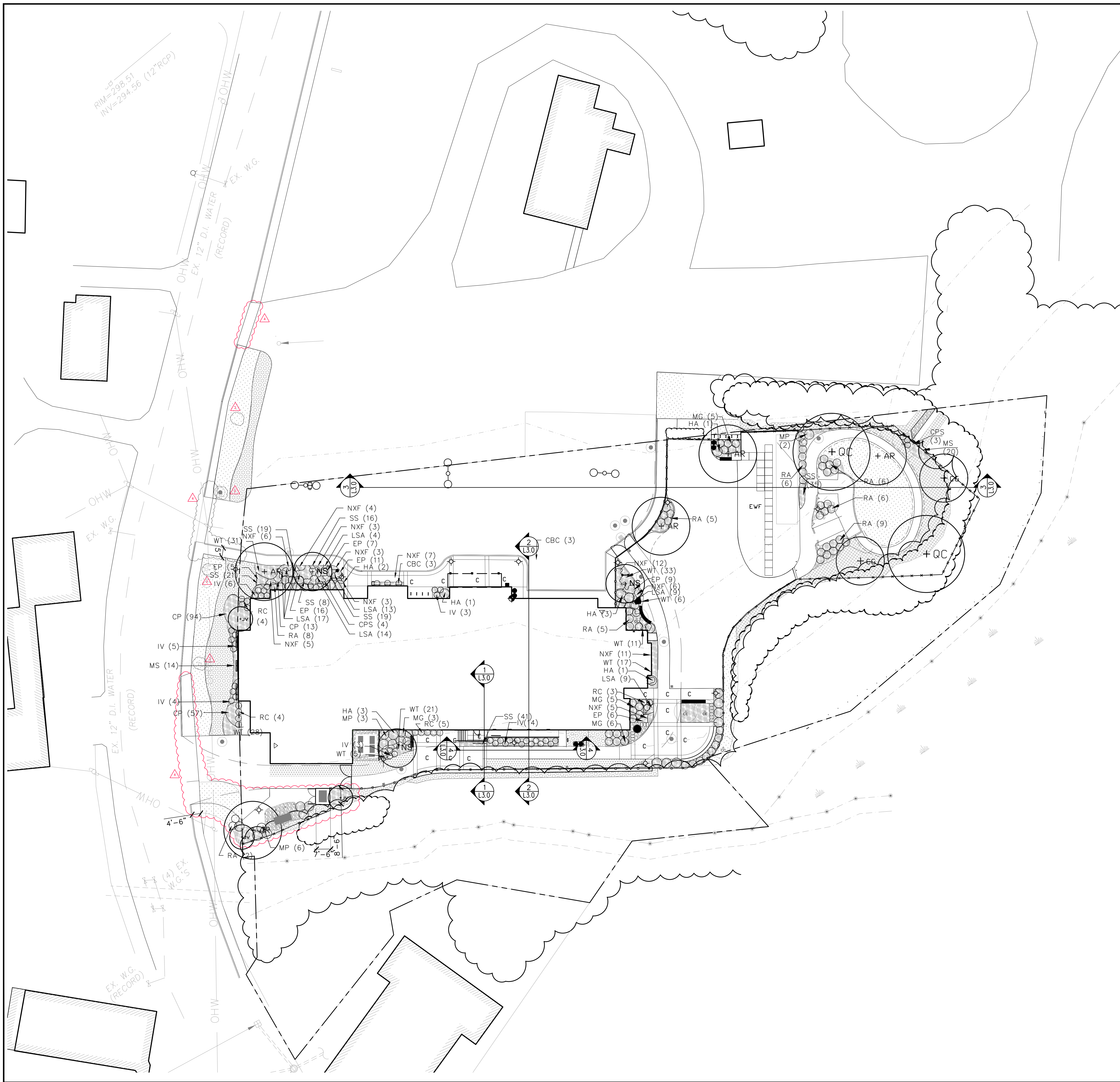
CHECKED BY: NB, DS, PF

DATE: 09/08/2021

SCALE: 1"=20'



SHEET NO: L1.0



LEGEND: PLANTING PLAN

- EXISTING TREE
- PROPOSED TREE
- PROPOSED SHRUB
- PLANT PROTECTION AREA
- PROPOSED TREELINE
- CHAIN LINK FENCE
- PICKET FENCE
- FIRE LANE
- SITE LIGHTING
SEE ELECTRICAL

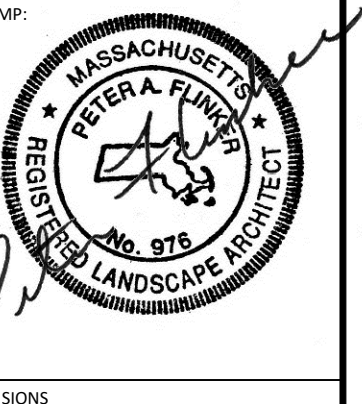
- LAWN
- FLOWER MEADOW SEED MIX
- REINFORCED TURF
- FOREST EDGE SEED MIX
- MULCHED BED
- RIVER STONE

SEE L-0.0 FOR PLANT SCHEDULE



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No.	Description	Date
1	ADDENDUM 1	09/29/2021
2	ADDENDUM 2	09/29/2021
3	ADDENDUM 3	10/04/2021
4	ADDENDUM 4	10/04/2021

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 ADDENDA 1-4 INCORPORATED 10/6/2021

PLANTING PLAN

JOB NUMBER:
20-05

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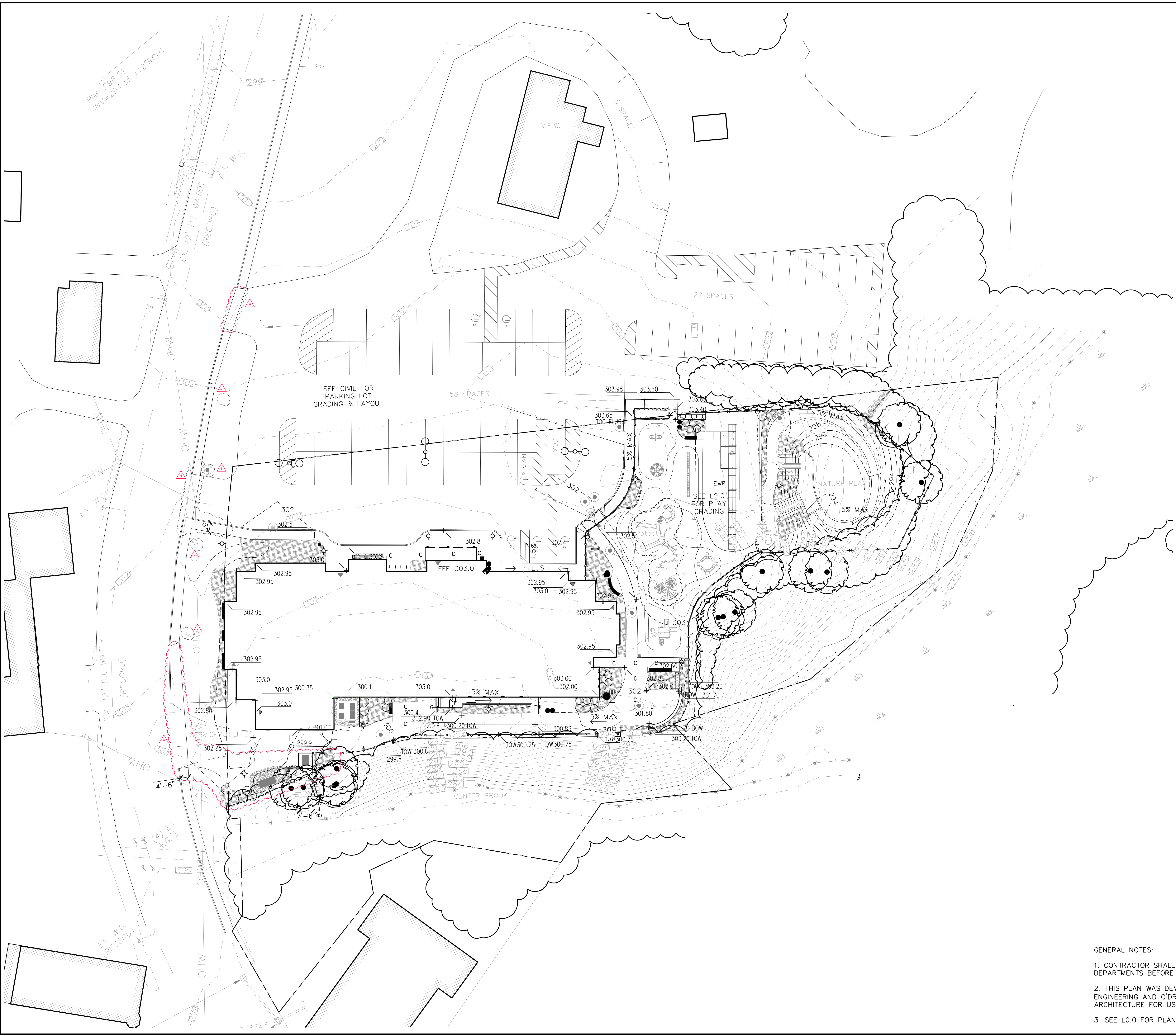
DATE:
09/08/2021

SCALE: 1"=20'

0 1'

SHEET NO:
L1.1

- GENERAL NOTES:**
- CONTRACTOR SHALL GIVE 24 HOUR NOTICE TO PERTINENT TOWN DEPARTMENTS BEFORE COMMENCING ANY WORK IN THE FIELD.
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 - SEE L.O.0 FOR PLANTING, LAYOUT & GRADING NOTES.

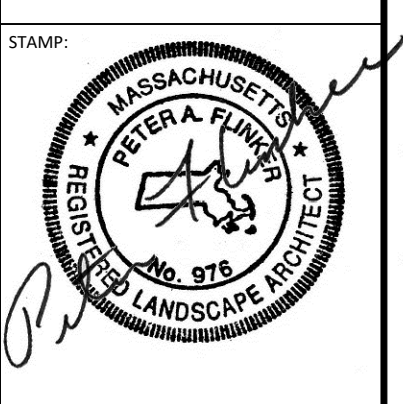


LEGEND: GRADING PLAN

- | | | | |
|-------------------|-----|-------------------|-----------------|
| XXX.XX YYY
XXX | + + | YYY XXX.XX
XXX | SPOT ELEVATIONS |
| XXX.XX YYY
XXX | + + | YYY XXX.XX
XXX | SPOT ELEVATIONS |
- | | |
|--------|-------|
| — 2% — | SLOPE |
|--------|-------|
- | | |
|-----------------|-------------------|
| - - - 100 - - - | EXISTING CONTOURS |
| - - - 100 - - - | PROPOSED CONTOURS |
- | | |
|-----------|---------------|
| - - - - - | GRADE BREAK |
| - - - - - | LIMIT OF WORK |
| - - - - - | CENTERLINE |
- | | |
|---------------|---------------------------------|
| - - - - - | PLANT PROTECTION AREA |
| - - - - - | PROPOSED TREELINE |
| ● | POINT OF ORIGIN |
| - x - x - x - | CHAIN LINK FENCE |
| - o - o - o - | PICKET FENCE |
| - - - - - | FIRE LANE |
| ○ ○ ○ ○ | SITE LIGHTING
SEE ELECTRICAL |



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No.	Description	Date
2	ADDENDUM 2	09/28/2021
4	ADDENDUM 4	10/04/2021

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TITLE: **LANDSCAPE GRADING PLAN**

JOB NUMBER: 20-05

DRAWN BY: NB, DS, TN

CHECKED BY: NB, DS, PF

DATE: 09/08/2021

SCALE: 1"=20'

0 1'

SHEET NO: **L1.2**

- GENERAL NOTES:
1. CONTRACTOR SHALL GIVE 24 HOUR NOTICE TO PERTINENT TOWN DEPARTMENTS BEFORE COMMENCING ANY WORK IN THE FIELD.
 2. THIS PLAN WAS DEVELOPED BASED ON A SURVEY PREPARED BY CMG ENGINEERING AND O'DRISCOLL LAND SURVEYING, INC., AND PROVIDED TO T2 ARCHITECTURE FOR USE IN THIS PROJECT.
 3. SEE LO.0 FOR PLANTING, LAYOUT & GRADING NOTES.

MITIGATION PLAN NOTES:

1. PRIOR TO PLANTING, INVASIVE PLANTS SHALL BE IDENTIFIED BY A QUALIFIED PROFESSIONAL IN THE PLANTED AREA AND ADJACENT BANK, REMOVED BY MECHANICAL/HAND MEANS AND PROPERLY DISPOSED OF. GLYPHOSATE HERBICIDE SHOULD BE APPLIED TO STUMPS OF INVASIVE SHRUBS AND TREES 4 INCHES DIAMETER OR GREATER THAT ARE DIFFICULT TO REMOVE MECHANICALLY. TREATMENT SHOULD OCCUR BETWEEN MARCH 15TH AND AUGUST 30TH WHEN PLANTS ARE ACTIVELY GROWING AND AS CLOSE AS POSSIBLE TO TIME PERIOD RECOMMENDED BY MANUFACTURER FOR MAXIMUM EFFECTIVENESS. TREATMENT SHOULD OCCUR WITHIN 5 MINUTES OF CUTTING. ALL HERBICIDE APPLICATION SHALL BE PERFORMED IN COMPLIANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.
2. WHERE SUBSTRATE IS GRANULAR AND LACKS SUFFICIENT ORGANIC MATTER TO SUPPORT PLANT GROWTH, THE UPPER SIX INCHES SHALL BE REMOVED, SUBGRADE SCARIFIED, AND COVERED WITH SIX INCHES OF LOAM. IN ALL AREAS OF EXISTING SOIL TO BE REPLANTED OR RESEEDED, SOIL SHALL BE SCARIFIED PRIOR TO PLANTING/SEEDING. SEE DETAIL 7, L4.4.
3. PRIOR TO PLANTING, PROPOSED LOAM SHALL BE TESTED FOR TEXTURE, ORGANIC CONTENT, PH, CATION EXCHANGE CAPACITY (CEC), NITRATE, AND MACRONUTRIENTS AT UMASS SOILS LAB OR APPROVED EQUAL FACILITY. SOIL SHALL HAVE THE FOLLOWING CHARACTERISTICS:
 - FINE SANDY LOAM
 - ORGANIC CONTENT 4-8 % MASS
 - Ph 5-6.5 CaCl2
 - CEC. 5 TO 40 meq/100g
 - Nitrate 30 to 100 PPM
 - MACRONUTRIENTS (P, K, Ca, Mg, S) SHOULD FALL WITHIN RECOMMENDED RANGE FOR NEW ENGLAND SOILS AS INDICATED BY SOILS LAB.
 - CONTAMINANTS AND TOXINS SHOULD FALL WITHIN EPA PRG LEVELS. LEAD SHALL BE <22 PPM, ALUMINUM <75 PPM.
 - INVASIVE WEED REPRODUCTIVE PARTS SHALL BE ABSENT.
 PROPOSED LOAM SHALL BE AMENDED AS RECOMMENDED BY SOILS LAB BASED ON TEST RESULTS TO ACHIEVE PERFORMANCE CRITERIA SPECIFIED ABOVE PRIOR TO PLANTING.
4. CONTRACTOR SHALL PROVIDE NOTIFICATIONS AND COORDINATE WITH THE UPTON CONSERVATION COMMISSION AGENT AT ALL STAGES OF THIS WORK. PRIOR TO PLANTING, ALL PLANTING AREAS MUST BE REVIEWED AND APPROVED BY TOWN OF UPTON CONSERVATION AGENT. WORK NOT IN COMPLIANCE WILL BE REJECTED AND MUST BE CORRECTED PRIOR TO PLANTING.
5. CONTRACTOR SHALL CALL DIG-SAFE 811 AND FLAG ALL UTILITIES PRIOR TO PRELIMINARY LOCATION OF TREES AND SHRUBS.
6. CONTRACTOR SHALL PROVIDE LICENSED PROFESSIONAL SURVEY TO CONFIRM AREAS OF MITIGATION.
7. UNLESS OTHERWISE INDICATED, ARRANGE CONTAINER PLANTS IN IRREGULAR MASSES OF SAME SPECIES, 3 MIN PER MASS.

8. UNLESS OTHERWISE NOTED, PROVIDE MALE AND FEMALE PLANTS OF DIOECIOUS PLANTS, INCLUDING MYRICA PENNSYLVANICA.
9. UNLESS OTHERWISE NOTED, ALL AREA DISTURBED BY CONSTRUCTION SHALL BE RETURNED TO ORIGINAL CONDITION. STRAW WATTLE SHALL BE REMOVED UPON ISSUANCE OF CERTIFICATE OF COMPLIANCE.
10. PROVIDE TEMPORARY IRRIGATION FOR ALL NEW PLANTING AND SEEDED AREAS UNTIL ESTABLISHMENT. CONTRACTOR SHALL PROVIDE AND PAY FOR ALL WATER USED.
11. PROVIDE TEMPORARY PROTECTIVE BOUNDARY OF PLASTIC OR WOOD STAKES AND STRING FOR ALL PLANTED AREAS THROUGH PLANT ESTABLISHMENT. REMOVE TEMPORARY BOUNDARY WITHIN 14 DAYS AFTER ISSUANCE OF A CERTIFICATE OF COMPLIANCE OR IF DIRECTED BY OWNER, TOWN AGENT OR LANDSCAPE ARCHITECT.
12. ONCE THE WORK IS COMPLETE, AREAS SHALL BE MONITORED TWO TIMES EACH YEAR (MID SPRING/MID FALL) TO ASSESS PLANTED SPECIES SURVIVAL, GROUND COVER ESTABLISHMENT AND INFESTATION BY INVASIVES. PRIOR TO ISSUANCE OF A CERTIFICATE OF COMPLIANCE, RESTORED AREAS SHALL ACHIEVE THE FOLLOWING: 100 PERCENT SURVIVAL OF TREE SPECIES, 75 PERCENT MINIMUM GROUND COVERAGE BY NATIVE PLANT SPECIES, AND 10 PERCENT MAXIMUM COVERAGE BY INVASIVE PLANTS OR VINES. IF THESE PERCENTAGES ARE NOT MAINTAINED, REPLANTING AND SEEDING WILL BE REQUIRED, INCLUDING MAINTENANCE AND WATERING UNTIL APPROVAL IS RECEIVED FROM THE UPTON CONSERVATION COMMISSION.
13. CONTRACTOR SHALL PROVIDE ONE YEAR WARRANTY ON ALL PLANTINGS AND MATERIALS FROM DATE OF CERTIFICATE OF COMPLIANCE.
14. RESTORATION AREA BOUNDARY MARKERS SHALL BE 4 INCH BY 4 INCH CONCRETE EMBEDDED 3 FT MINIMUM INTO THE GROUND AND EXTENDING 1 FT MINIMUM ABOVE FINISH GRADE. METAL NO DISTURB SIGNS SHALL BE AFFIXED TO TOP OF EACH BOUNDARY MARKER.
15. THIS PLAN WAS PREPARED BASED ON ORTHOPHOTOGRAPHY AND PROPERTY BOUNDARIES FROM STATE GIS DATA. LOCATIONS OF PROPERTY BOUNDARIES, TOP OF BANK, AND EDGE OF PAVEMENT AND SITE FEATURES ARE APPROXIMATE. DIMENSIONS SHOULD BE MEASURED AND ADJUSTED IN THE FIELD PRIOR TO COMMENCING WORK IN ORDER TO ACHIEVE INDICATED SQUARE FOOTAGE OF RESTORED AREA.

THIS DRAWING, INCLUDING ALL NOTES, IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. ALL MATERIALS AND INSTALLATION FOR THE MITIGATION AREA PLANTING PLAN WILL BE PROVIDED BY THE UPTON DEPARTMENT OF PUBLIC WORKS. THIS WORK IS NOT PART OF THE CONTRACT.

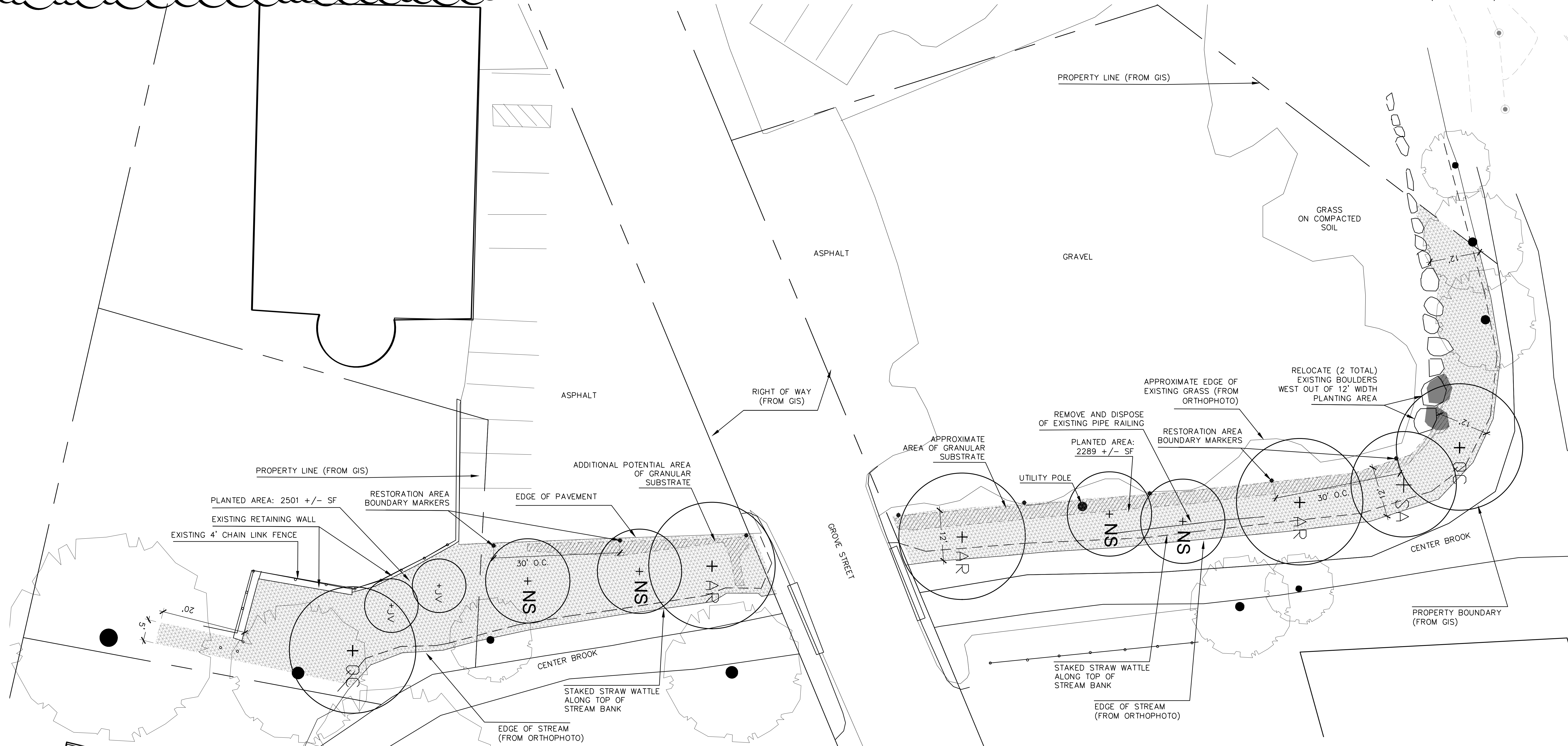
TREES

QUANTITY	SYMBOL	SCIENTIFIC NAME	COMMON NAME	SIZE	CONDITION	SPACING
2	JV	Juniperus virginiana	Eastern red cedar	1" cal.	B & B	AS SHOWN
4	NS	Nyssa sylvatica	Black gum	1" cal.	B & B	AS SHOWN
2	QC	Quercus coccinea	Scarlet oak	1" cal.	B & B	AS SHOWN
3	AR	Acer rubrum	Red maple	1" cal.	B & B	AS SHOWN
1	SA	Sassafras albidum	Sassafras	1" cal.	B & B	AS SHOWN

LEGEND: PLANTING PLAN

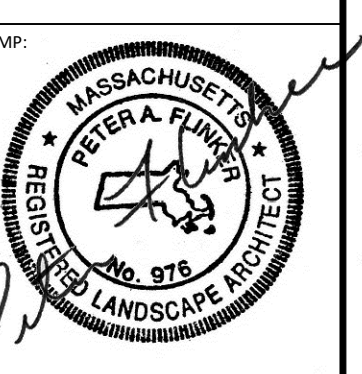
- EXISTING TREE
- PROPOSED TREE
- RESTORATION AREA BOUNDARY MARKER

- MITIGATION AREA SEED MIX SPECIES:**
'NEW ENGLAND ROADSIDE MATRIX UPLAND' BY NEW ENGLAND WETLAND PLANTS OR APPROVED EQUAL:
- GRASSES (SEED)**
- VIRGINIA WILD RYE (ELYMUS VIRGINICUS)
 - LITTLE BLUESTEM (SCHIZACHYRIUM SCOPARIUM)
 - RED FESCUE (FESTUCA RUBRA)
 - BIG BLUESTEM (ANDROPOGON GERARDII)
 - INDIAN GRASS (SORGHASTRUM NUTANS)
 - SWITCH GRASS (PANICUM VIRGATUM)
- WILDFLOWERS (SEED)**
- PARTRIDGE PEA (CHAMAECRISTA FASCICULATA)
 - BUTTERFLY MILKWEED (ASCLEPIAS TUBEROSA)
 - PANICLED TICK TREFOIL (DESMODIUM PANICULATUM)
 - BEARD TONGUE (PENSTEMON DIGITALIS)
 - BLACK EYED SUSAN (RUDBECKIA HIRTA)
 - HOLLOWSTEM JOE PYE WEED (EUPATORIUM FISTULOSUM/ EUTROCHIUM FISTULOSUM)
- SHRUBS (SEED)**
- GREY DOGWOOD (CORNUS RACEMOSA)
 - SILKY DOGWOOD (CORNUS AMOMUM)
 - STAGHORN SUMAC (RHUS TYPHINA)



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No.	Description	Date
4	ADDENDUM 4	10/06/2021

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ADDENDA 1-4 INCORPORATED 10/6/2021

TITLE:
MITIGATION AREA PLANTING PLAN

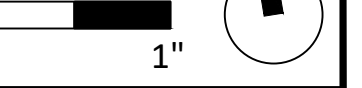
JOB NUMBER:
20-05

DRAWN BY:
NB, TN

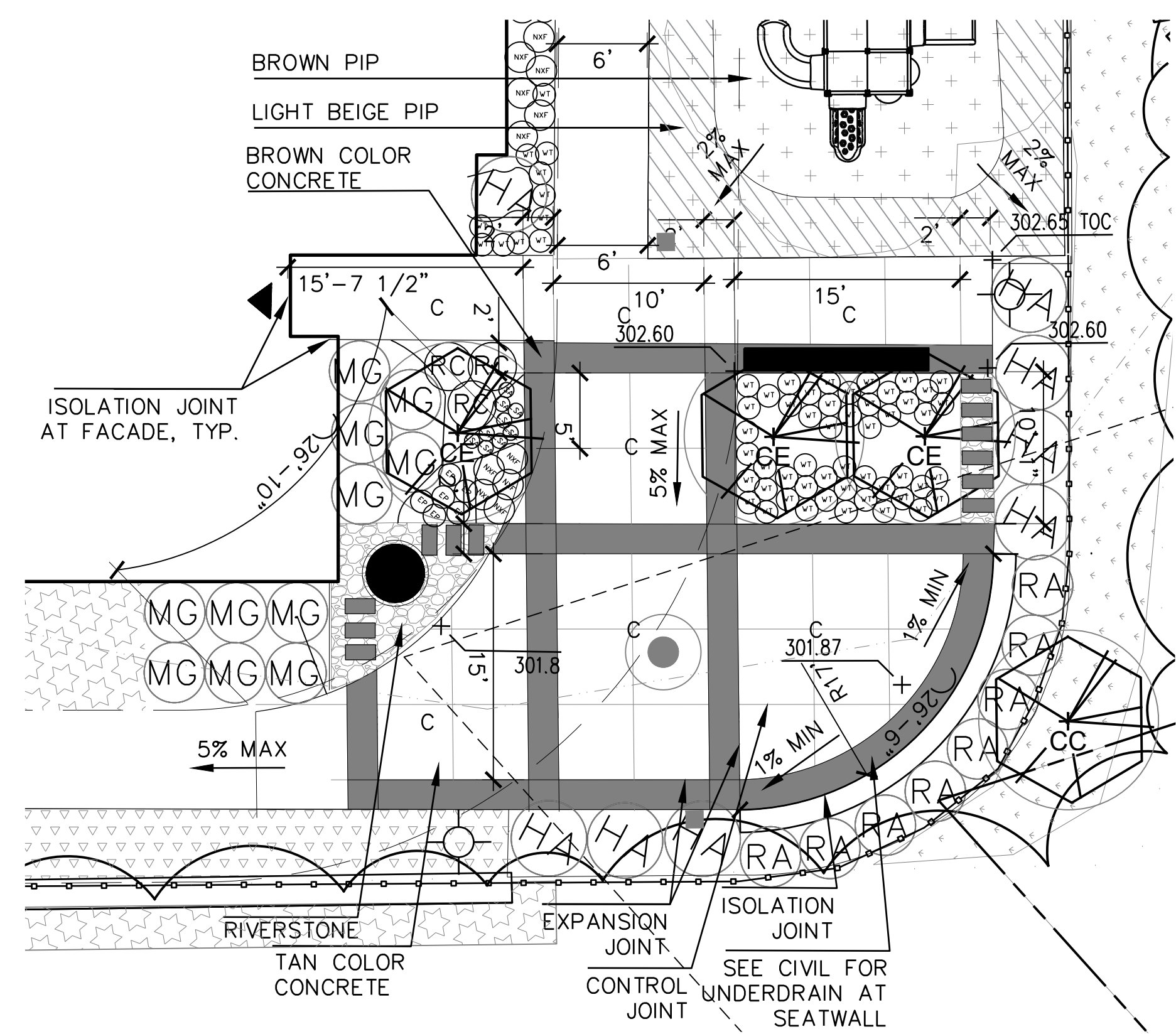
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DATE:
09/08/2021

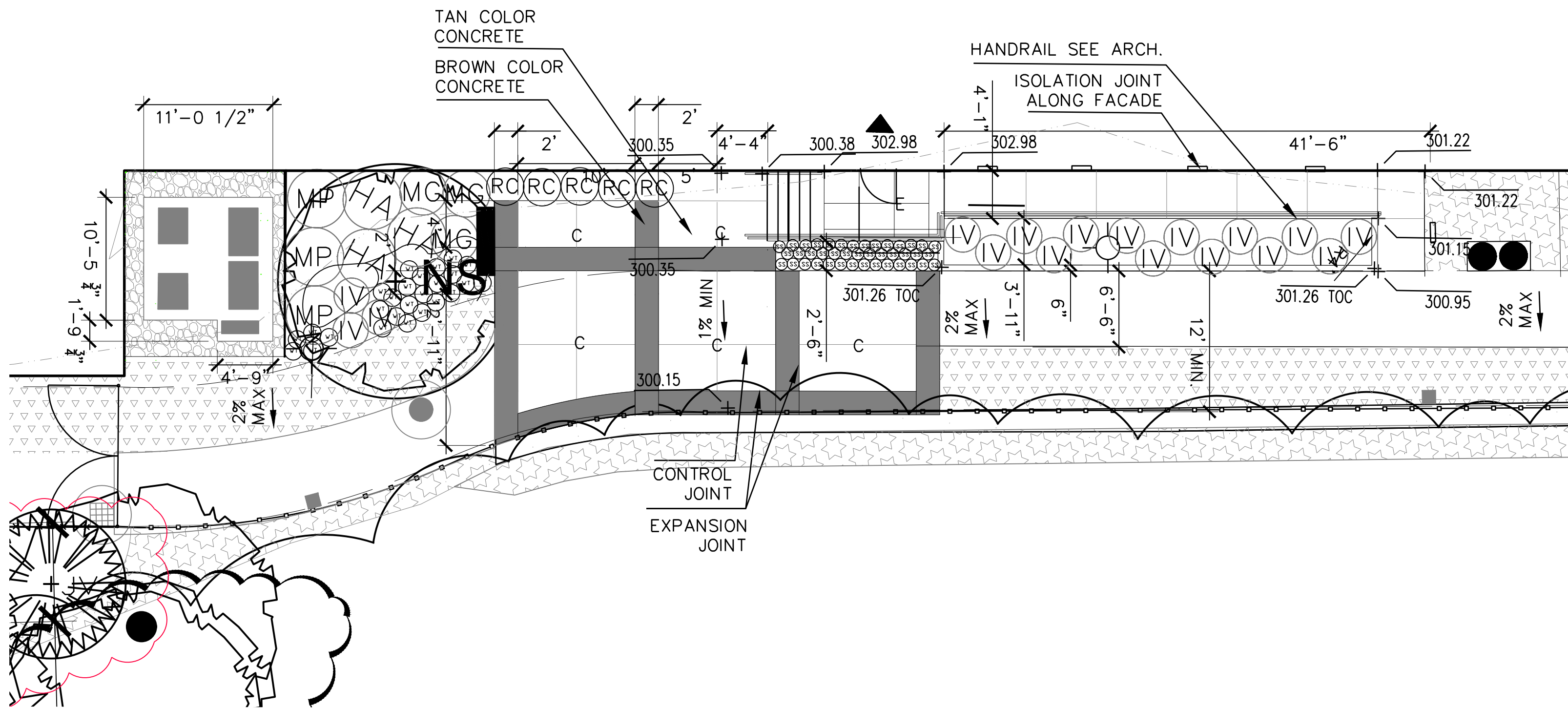
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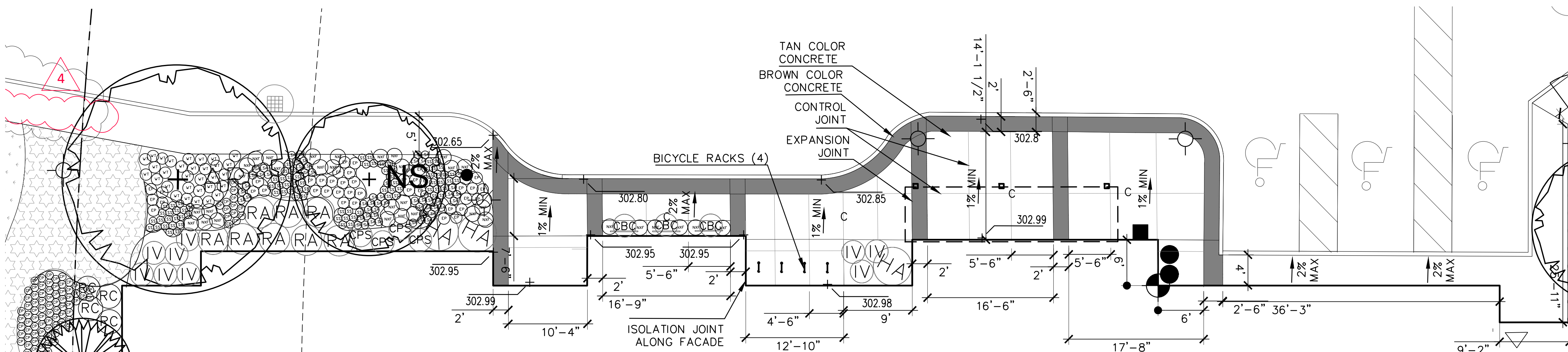
SHEET NO:
L1.3



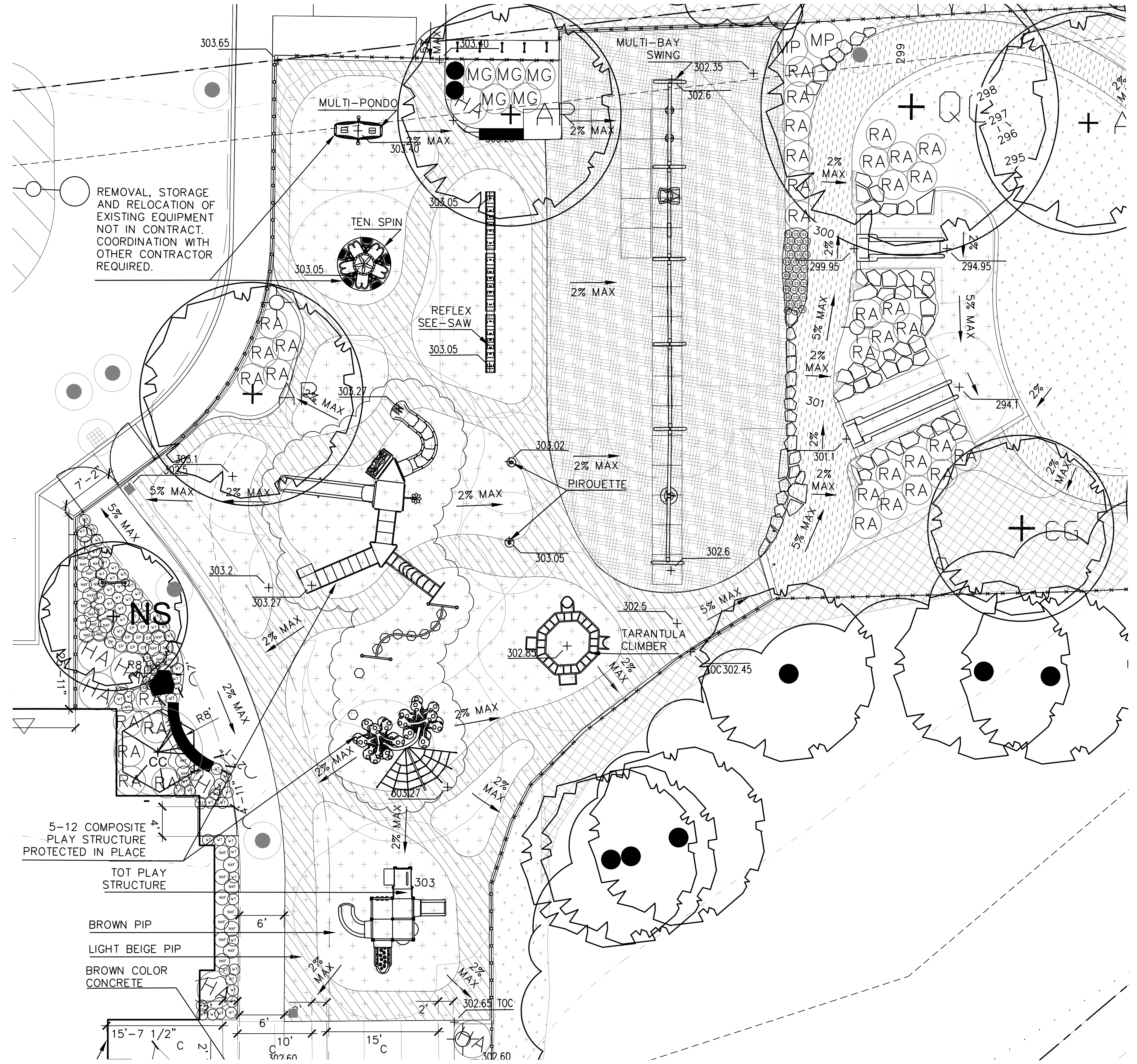
1 SOUTHWESTERN PLAZA DETAIL PLAN
1/8"=1'



2 WESTERN PLAZA DETAIL PLAN
1/8"=1'



3 FRONT ENTRANCE DETAIL PLAN
1/8"=1'



4 PLAYGROUND DETAIL PLAN
1/8"=1'

GENERAL NOTES:

- CONTRACTOR SHALL GIVE 24 HOUR NOTICE TO PERTINENT TOWN DEPARTMENTS BEFORE COMMENCING ANY WORK IN THE FIELD.
- THIS PLAN WAS DEVELOPED BASED ON A SURVEY PREPARED BY CMG ENGINEERING AND O'DRISCOLL LAND SURVEYING, INC., AND PROVIDED TO 2 ARCHITECTURE FOR USE IN THIS PROJECT.
- SEE L.O.D FOR PLANTING, LAYOUT & GRADING NOTES.



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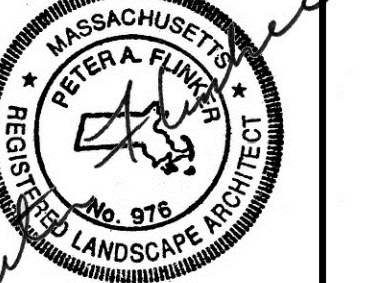
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No.	Description	Date
4	ADDENDUM 4	10/04/2021

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100% CD - CONFORMANCE SET
ADDENDA 1-4 INCORPORATED 10/6/2021

TITLE:
LANDSCAPE
DETAIL
PLANS

JOB NUMBER:

20-05

DRAWN BY:

NB, DS, TN

CHECKED BY:

NB, DS, PF

DATE:

09/08/2021

SCALE: AS NOTED

0 1" N

SHEET NO:

L2.0



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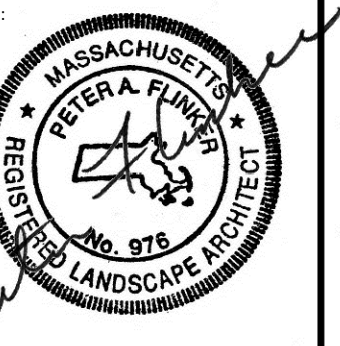
508.758.9777 phone
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DODSON & FLINKER

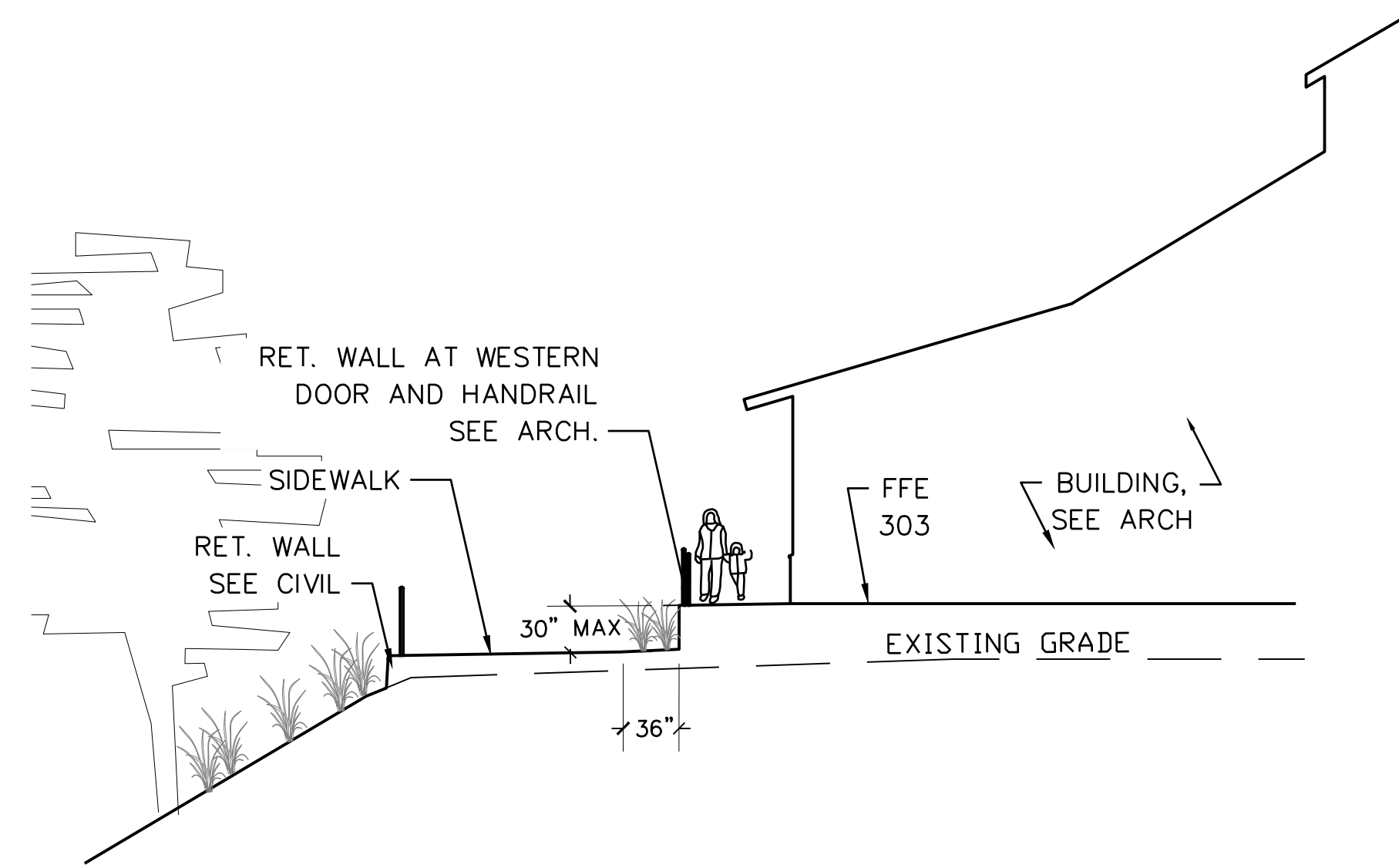
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Florence, MA 01062
www.dodsonflinker.com

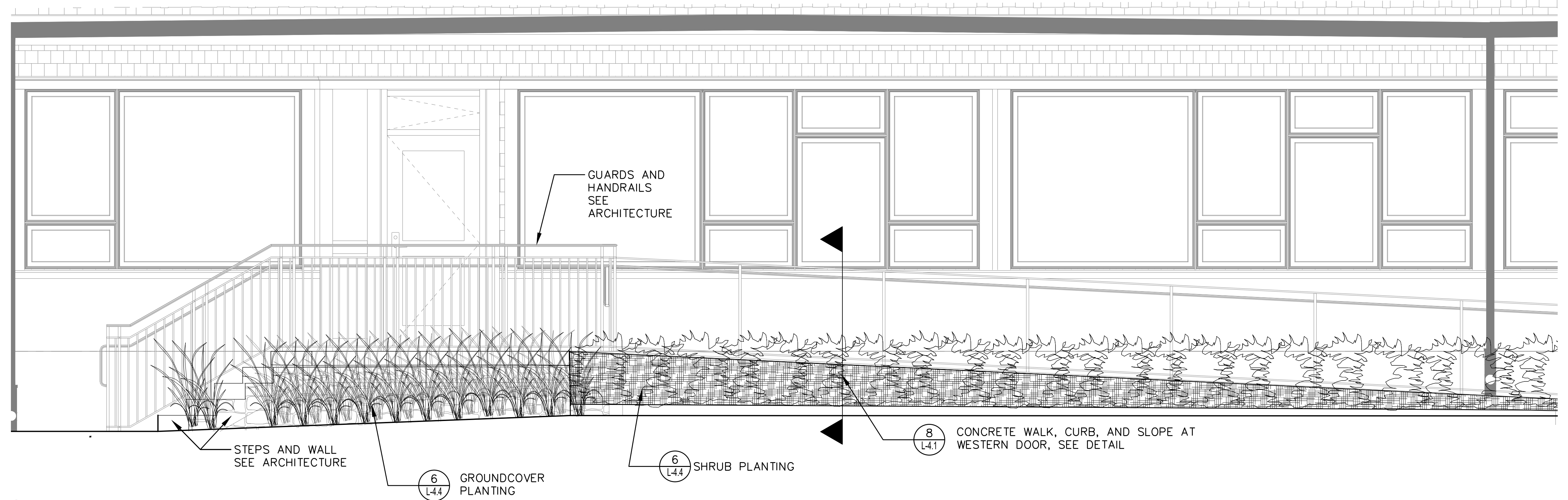


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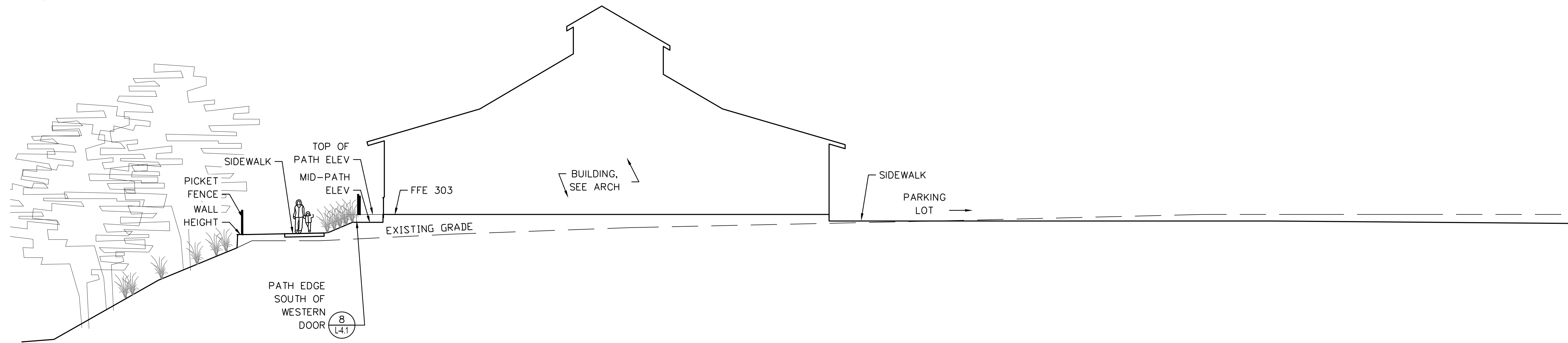
No. Description Date



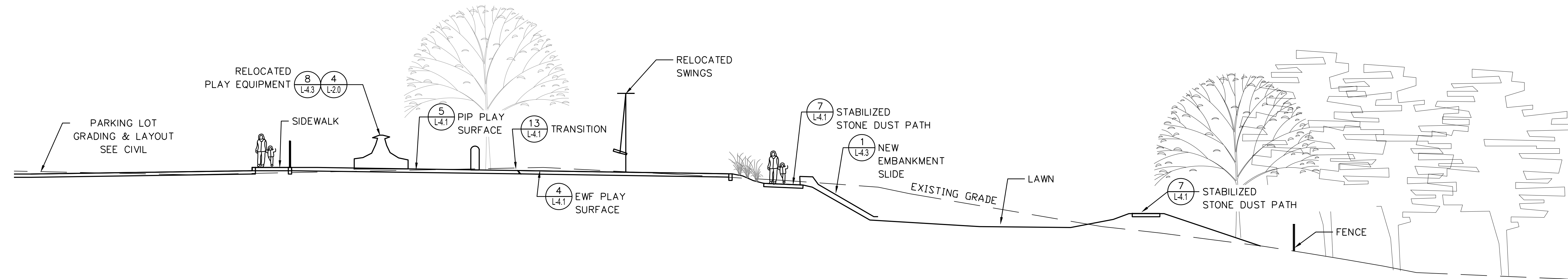
1 SECTION A, THROUGH WEST DOOR
SCALE: 1/8" = 1'-0"



4 ELEVATION AT WESTERN DOOR
SCALE: 1/2" = 1'-0"



2 SECTION B
SCALE: 1/8" = 1'-0"



3 SECTION C
SCALE: 1/8" = 1'-0"

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100% CD - CONFORMANCE SET
ADDENDA 1-4 INCORPORATED 10/6/2021

TITLE:

LANDSCAPE SECTIONS

JOB NUMBER:

20-05

DRAWN BY:

NB

CHECKED BY:

NB, DS, PF

DATE:

09/08/2021

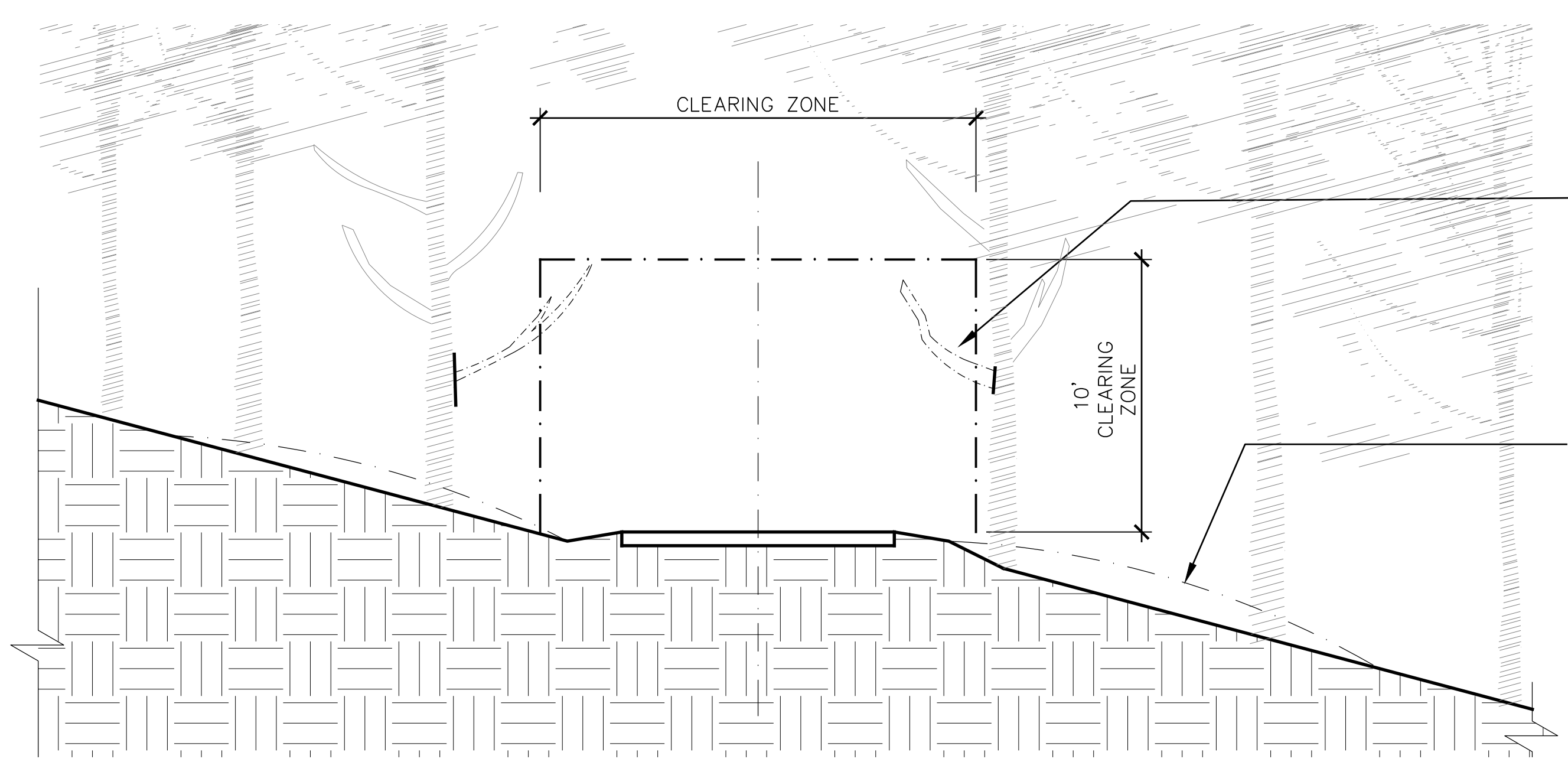
SCALE:

AS NOTED

0 1'

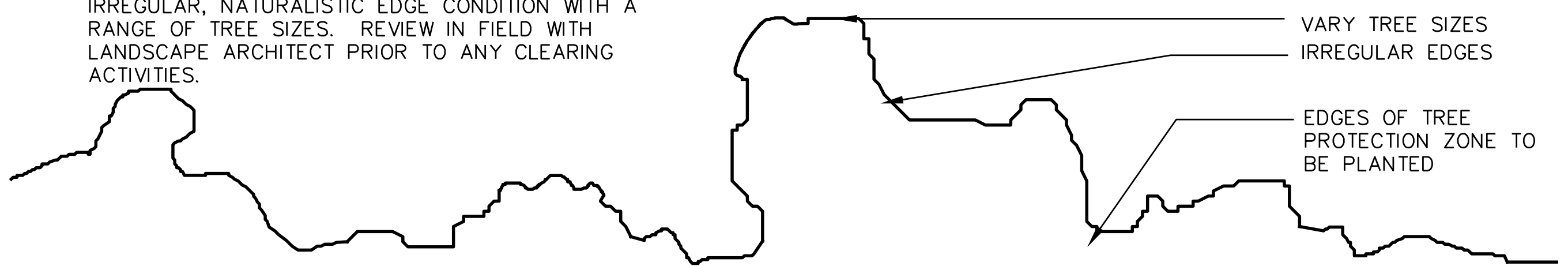
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L3.0



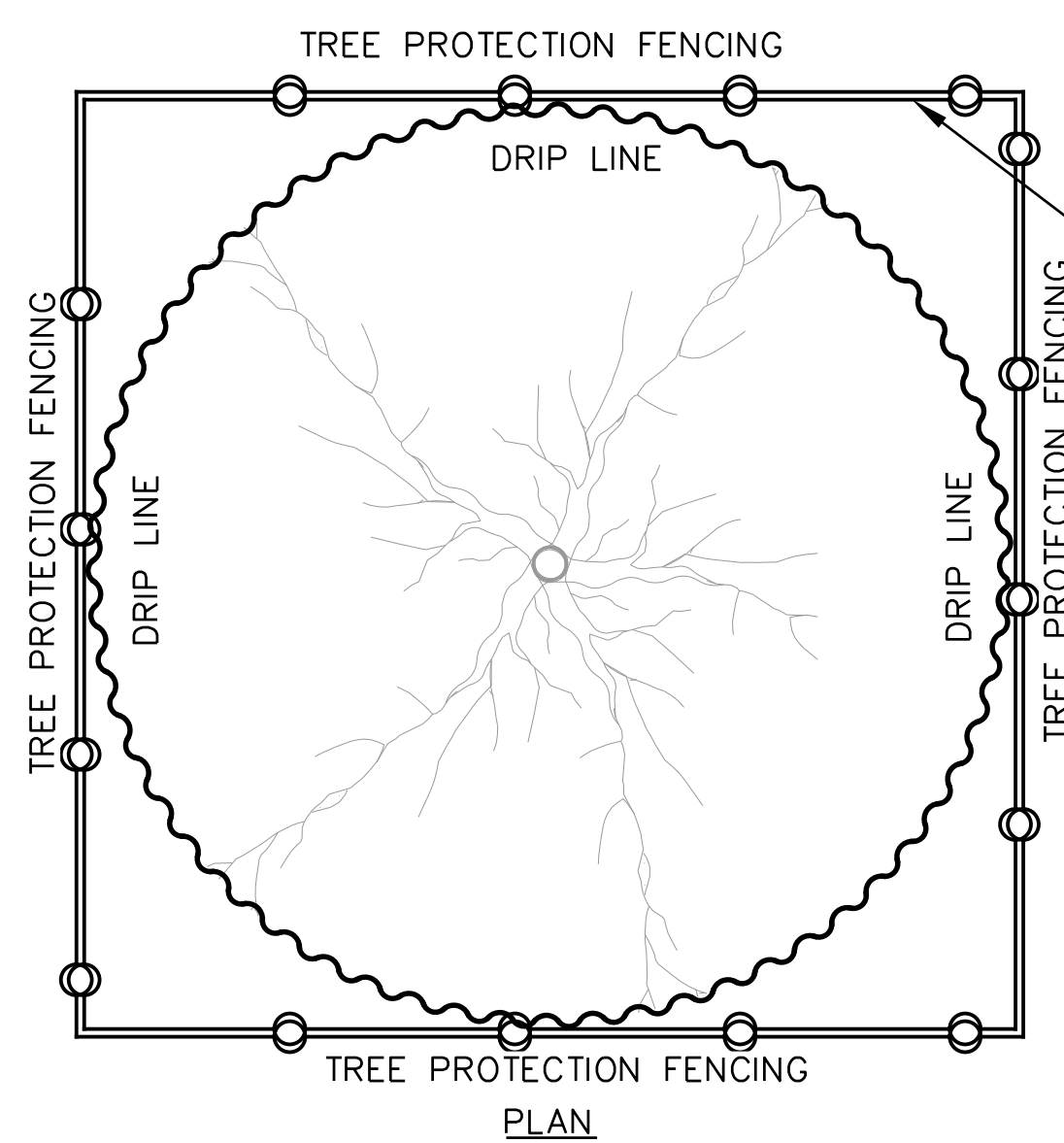
1 CLEARING FOR TRAILS IN/ADJACENT TO FOREST
SCALE: 1" = 1'-0"

NOTE: SELECTIVELY THIN FOREST EDGE IN AREAS INDICATED FOR TREE REMOVAL TO PROVIDE AN IRREGULAR, NATURALISTIC EDGE CONDITION WITH A RANGE OF TREE SIZES. REVIEW IN FIELD WITH LANDSCAPE ARCHITECT PRIOR TO ANY CLEARING ACTIVITIES.

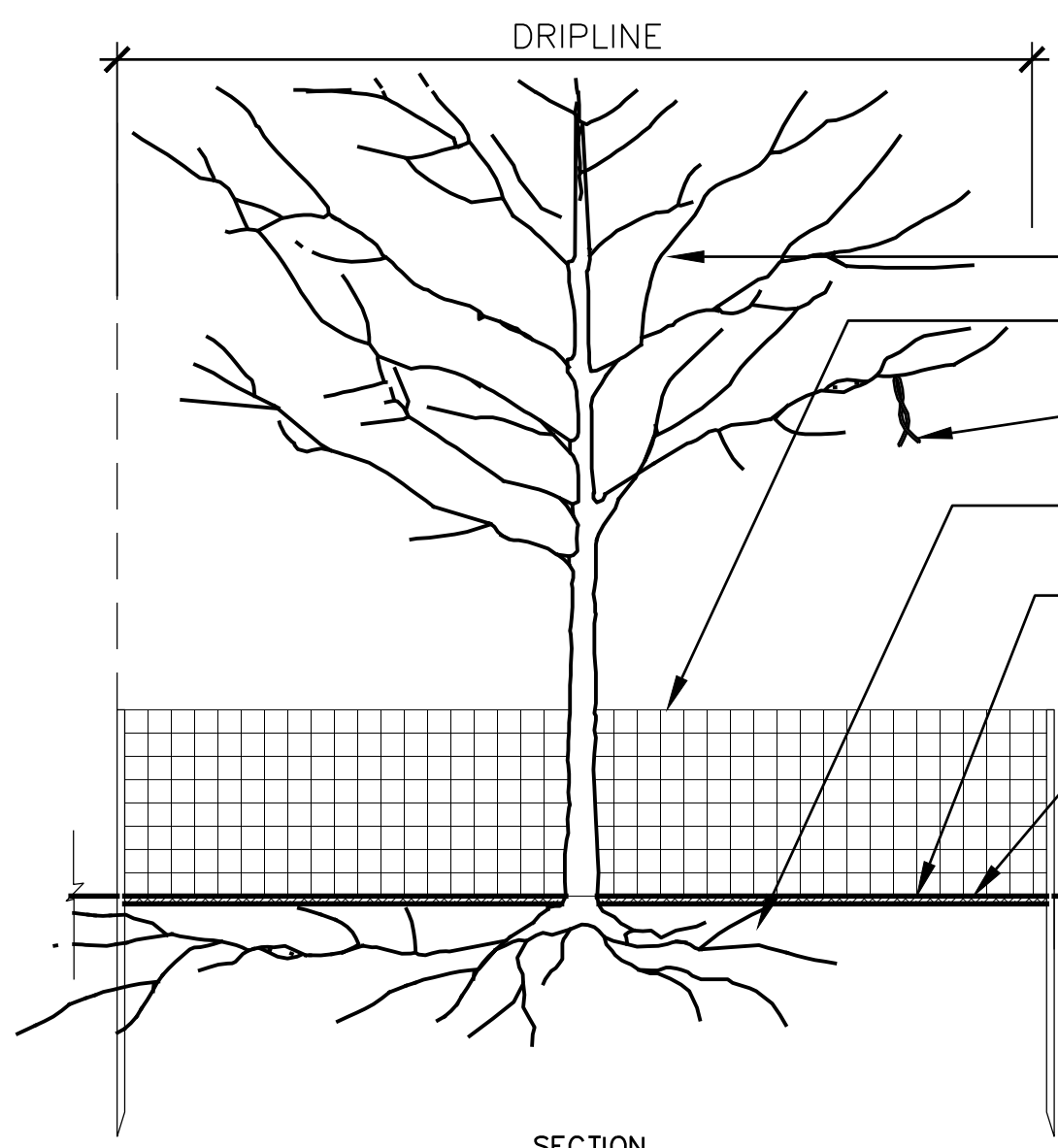


PLAN

2 FOREST EDGE TREATMENT FOR CLEARED AREAS, TYP.
SCALE: 1" = 1'-0"



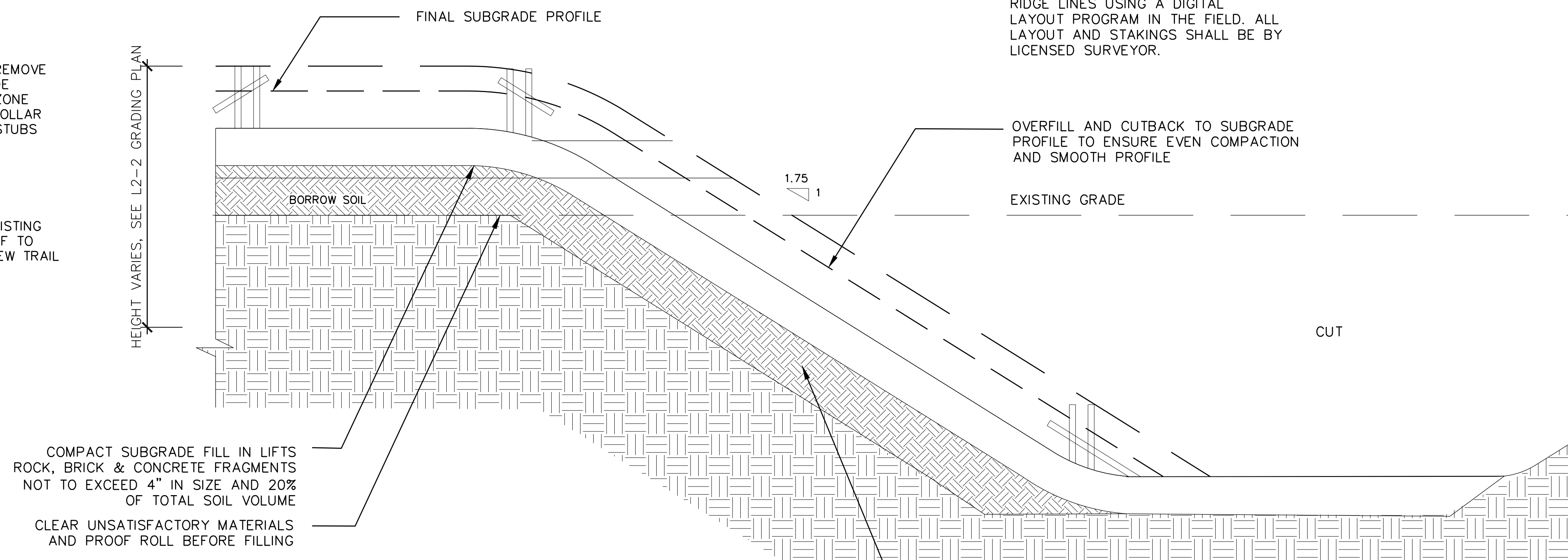
INSTALL FENCING AT THE TREE DRIP LINE PRIOR TO SITE WORK AND REMOVE ON COMPLETION METAL 1/2" BAR STAKES WITH ORANGE PLASTIC SAFETY MESH FENCING



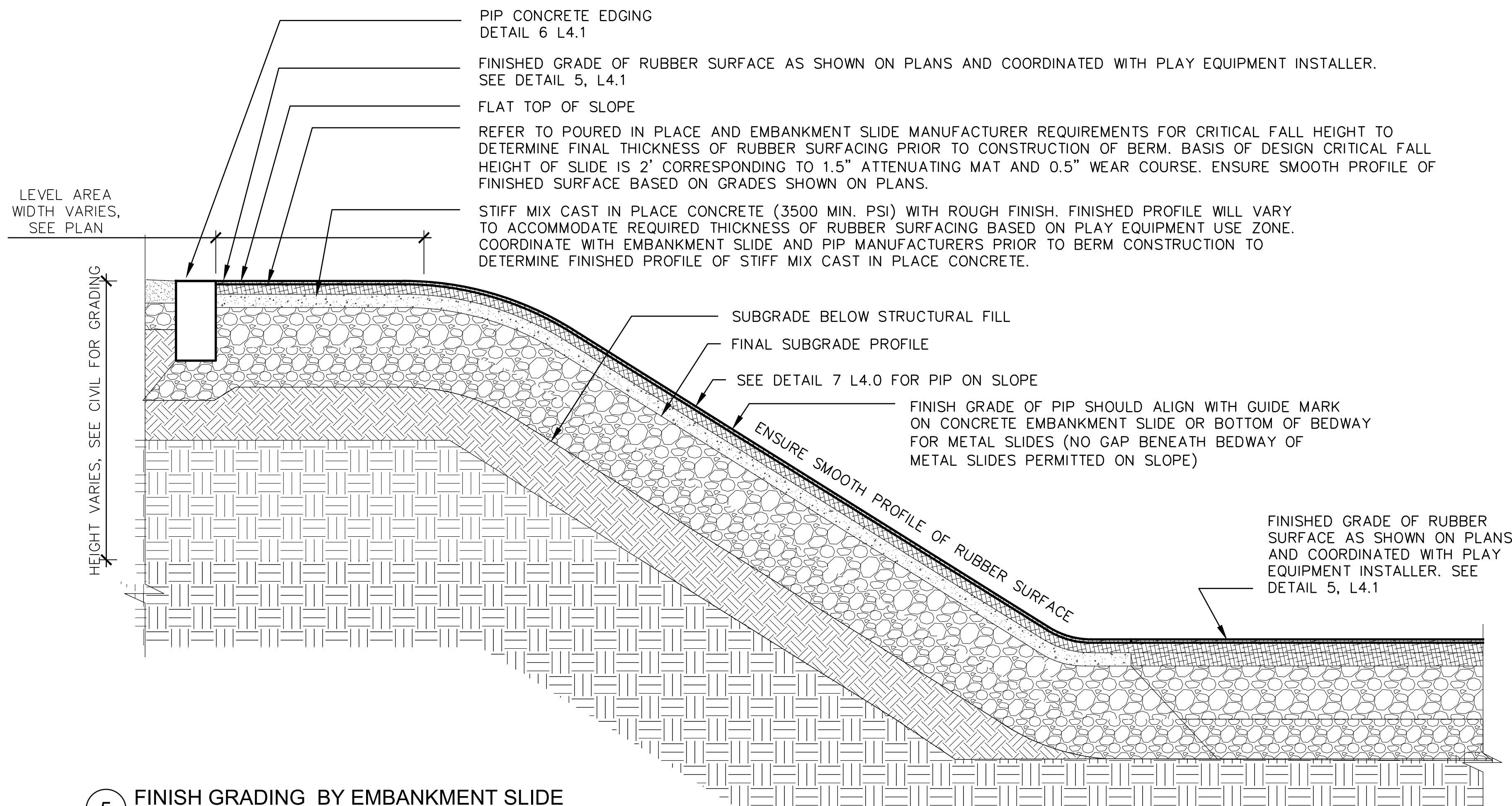
ALL PRUNING BY QUALIFIED ARBORIST TO ANSI A300
INSTALL FENCING AT THE TREE DRIP LINE PRIOR TO SITE WORK AND REMOVE ON COMPLETION
TIE ORANGE PLASTIC TAPE FROM LOWEST OVERHANGING BRANCHES
PROTECT ROOT SYSTEM FROM DAMAGE, COMPACTION, CONTAMINATION, FILL & EXCAVATION
EXISTING AND REPLACED MULCH

NOTES:
1. VERIFY STATUS OF ALL TREES WITH LANDSCAPE ARCHITECT PRE-CONSTRUCTION LOCATE FENCE TO GROUP TREES AS DIRECTED BY LANDSCAPE ARCHITECT
2. IF PAVEMENT OR FOUNDATION EXIST, FENCE MAY BE LOCATED INSIDE DRIP LINE AT EDGE OF PAVEMENT

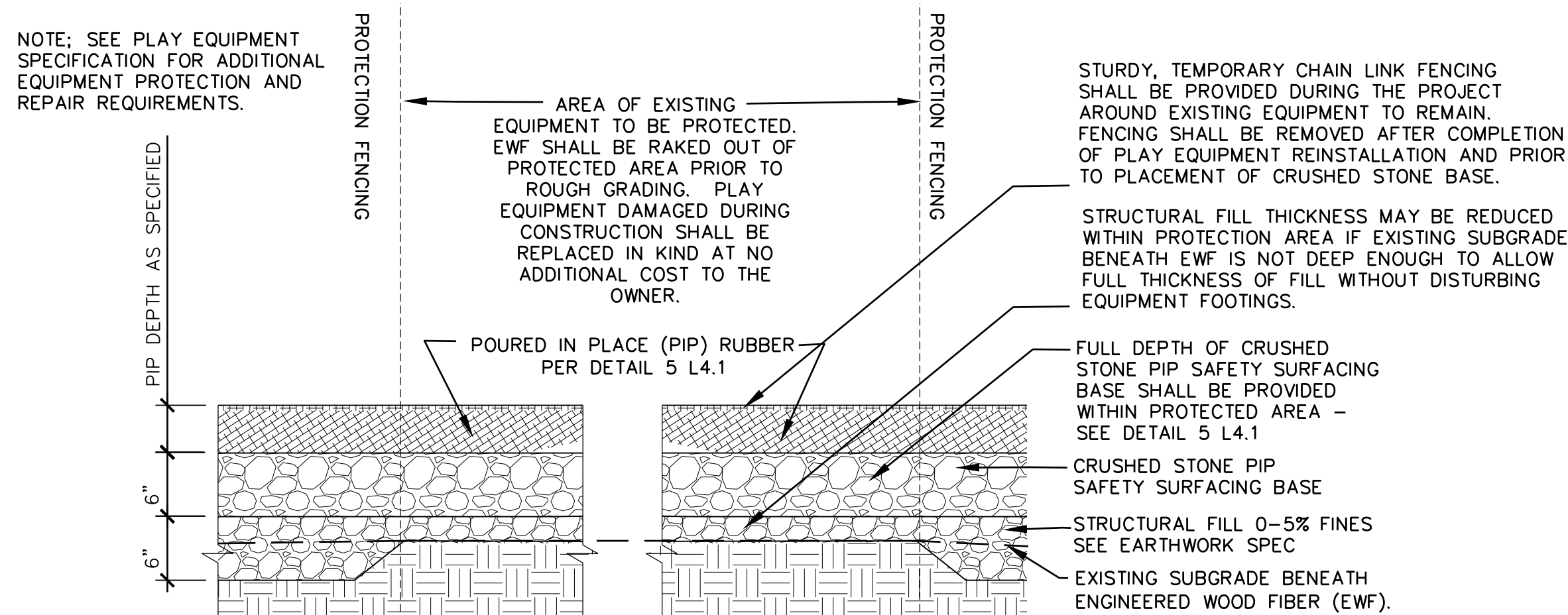
3 TREE PROTECTION, TYP.
SCALE: 1" = 1'-0"



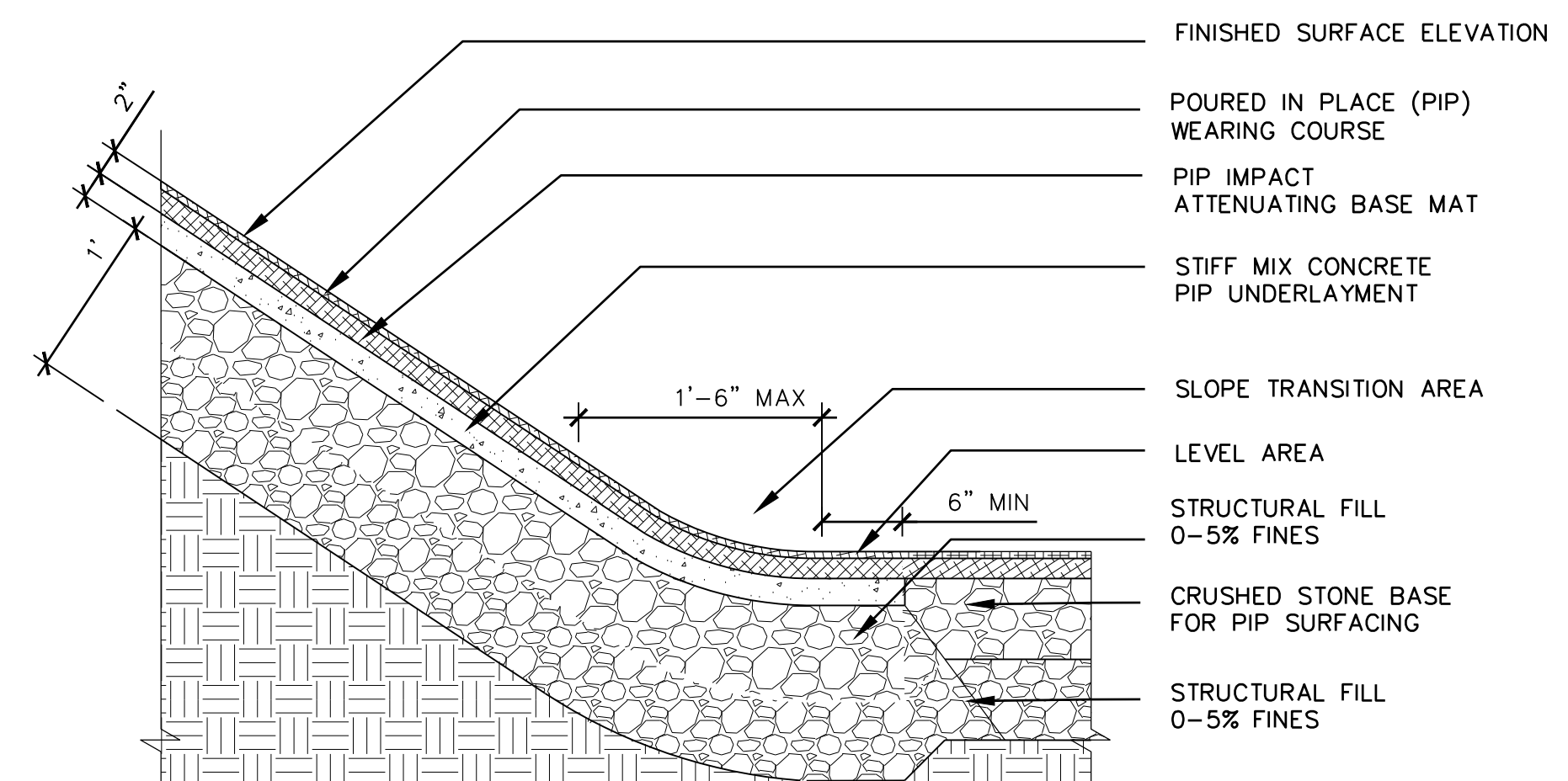
4 ROUGH GRADING BY EMBANKMENT SLIDE
SCALE: 1" = 1'-0"



5 FINISH GRADING BY EMBANKMENT SLIDE
SCALE: 1" = 1'-0"



6 PROTECTION OF EXISTING PLAYGROUND EQUIPMENT
SCALE: 1" = 1'-0"



7 PIP SAFETY SURFACING ADJACENT TO EMBANKMENT SLIDE
SCALE: 1" = 1'-0"



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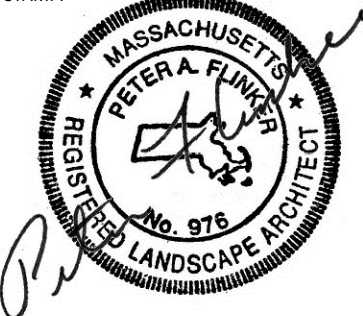
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No.	Description	Date

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ADDENDA 1-4 INCORPORATED 10/6/2021

TITLE:
LANDSCAPE
DETAILS

JOB NUMBER:
20-05

DRAWN BY:
NB

CHECKED BY:
NB, DS, PF

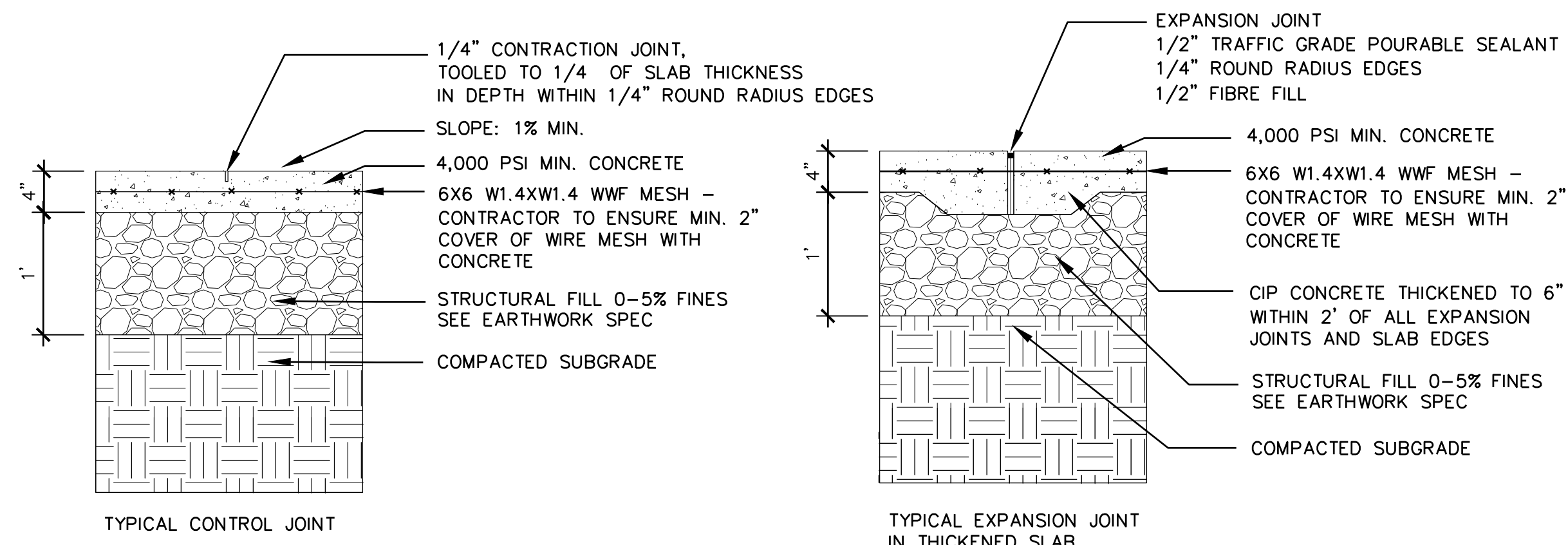
DATE:
09/08/2021

SCALE: AS NOTED

0 1"

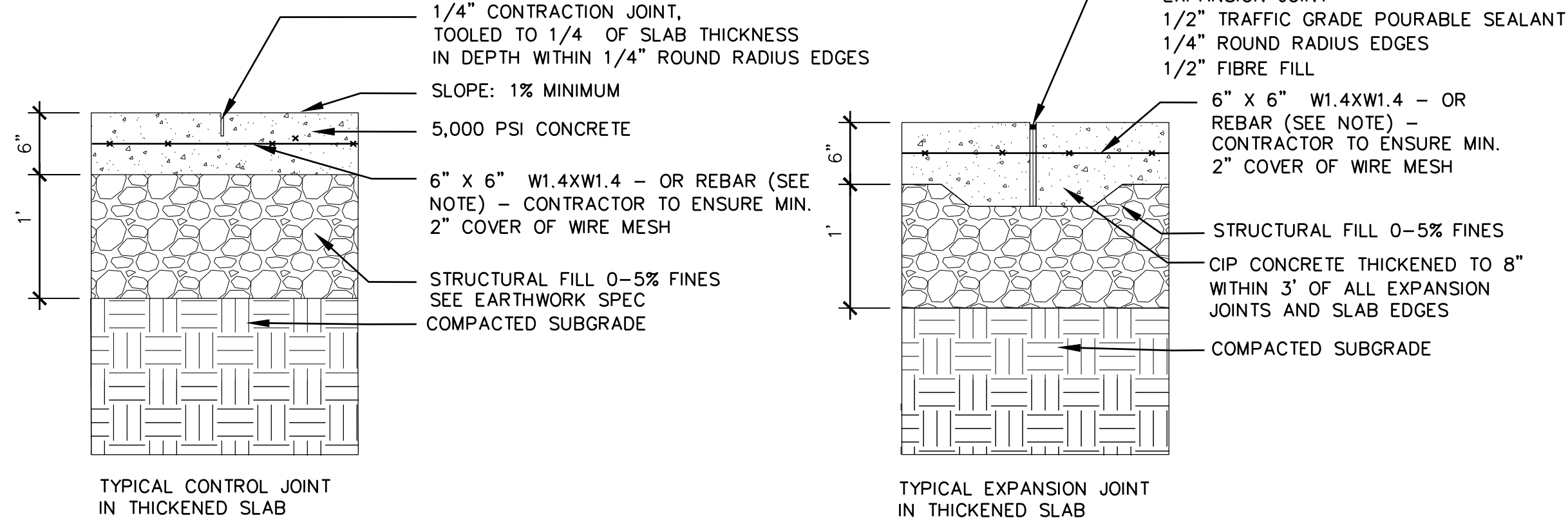
SHEET NO:
L4.0

NOTES:
 1. CONTRACTION JOINTS TO BE PLACED 5' O. C. MINIMUM. EXPANSION JOINTS TO BE PLACED EVERY 20'-0" MINIMUM AND BETWEEN ADJACENT PAVING AREAS.
 2. CROSS SLOPE SHALL NOT EXCEED 2% AND RUNNING SLOPE SHALL NOT EXCEED 5% UNLESS OTHERWISE INDICATED.

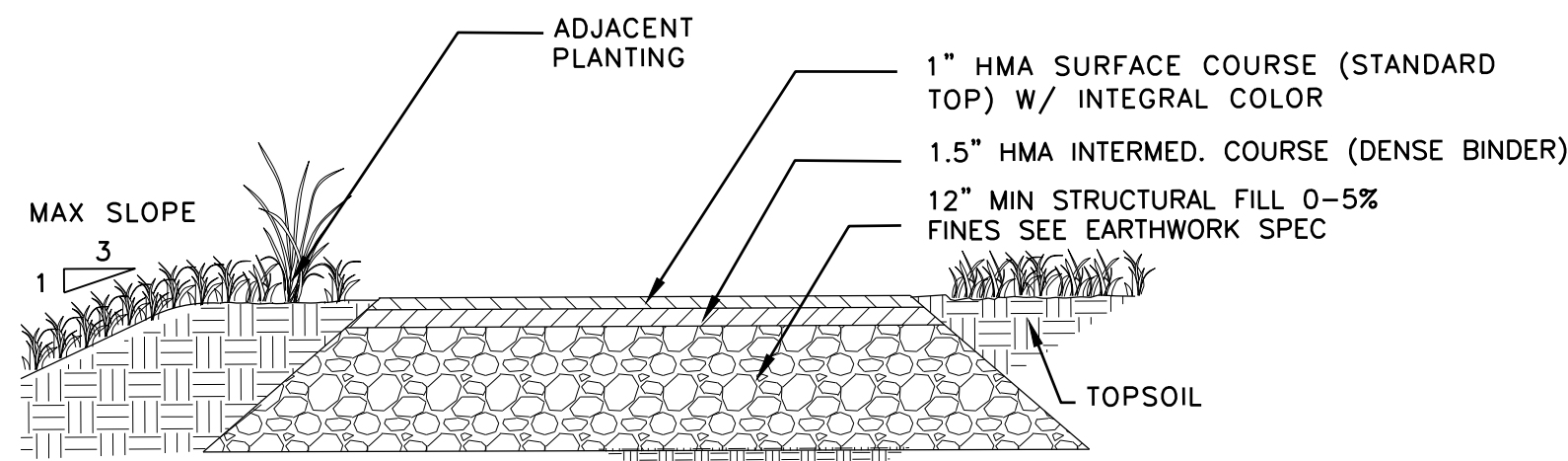


1 PEDESTRIAN CONCRETE, TYP.
 NTS

NOTES:
 1. CONTRACTION JOINTS TO BE PLACED 5' O. C. MINIMUM. EXPANSION JOINTS TO BE PLACED EVERY 20' MINIMUM AND BETWEEN ADJACENT PAVING AREAS.
 2. #4 REBAR SHALL BE USED AT 12" O.C. EACH WAY IN PLACE OF WWF MESH FOR DUMPSTER PAD. 2" VERTICAL FROM BOTTOM OF SLAB.
 3. CROSS SLOPE SHALL NOT EXCEED 2% AND RUNNING SLOPE SHALL NOT EXCEED 5% UNLESS OTHERWISE INDICATED.

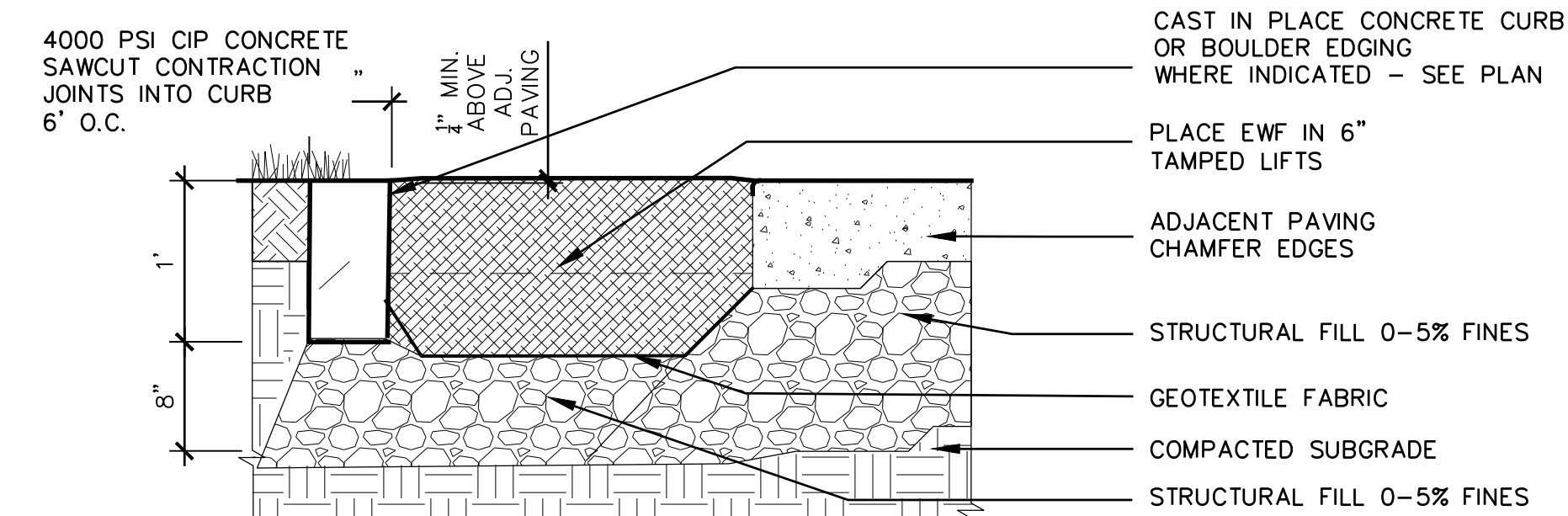


2 VEHICULAR CONCRETE PAVING, TYP.
 NTS

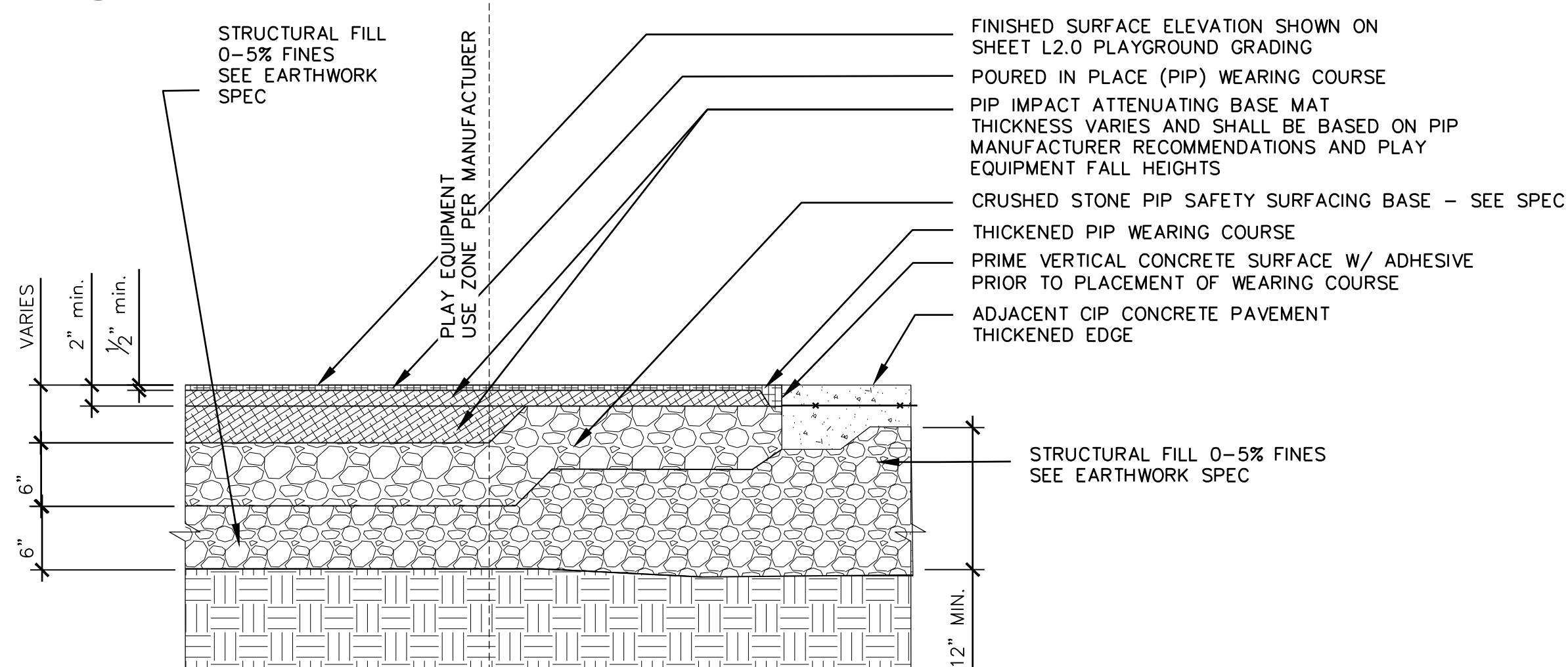


NOTE: CROSS SLOPE SHALL NOT EXCEED 2%. RUNNING SLOPE SHALL NOT EXCEED 1 FT IN 20 FT. REMOVE LOOSE BEDROCK AND FILL POOR DRAINAGE AREAS W/ COMPACTED SUITABLE FILL

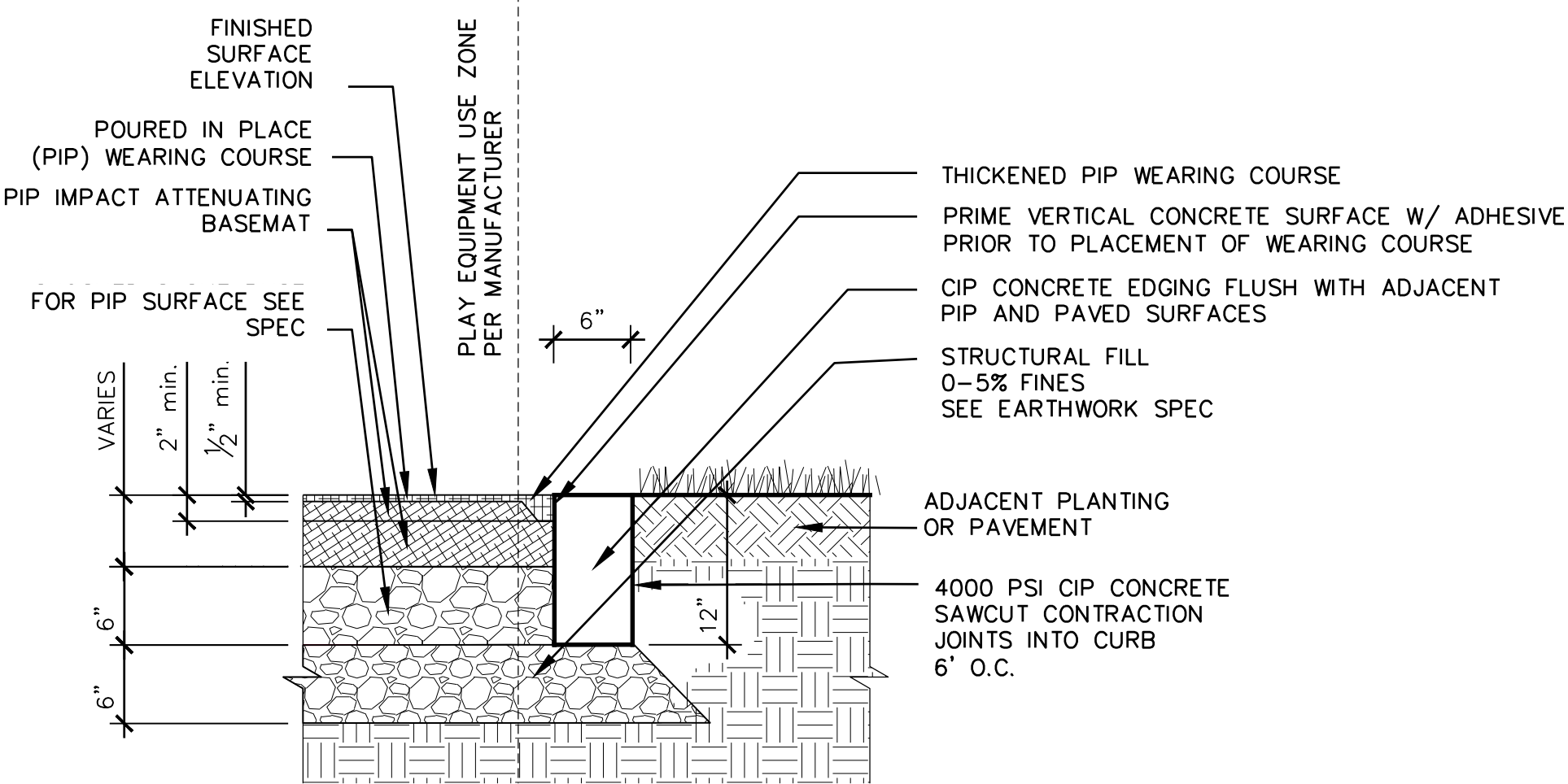
3 PEDESTRIAN ASPHALT PAVING, TYP.
 NTS



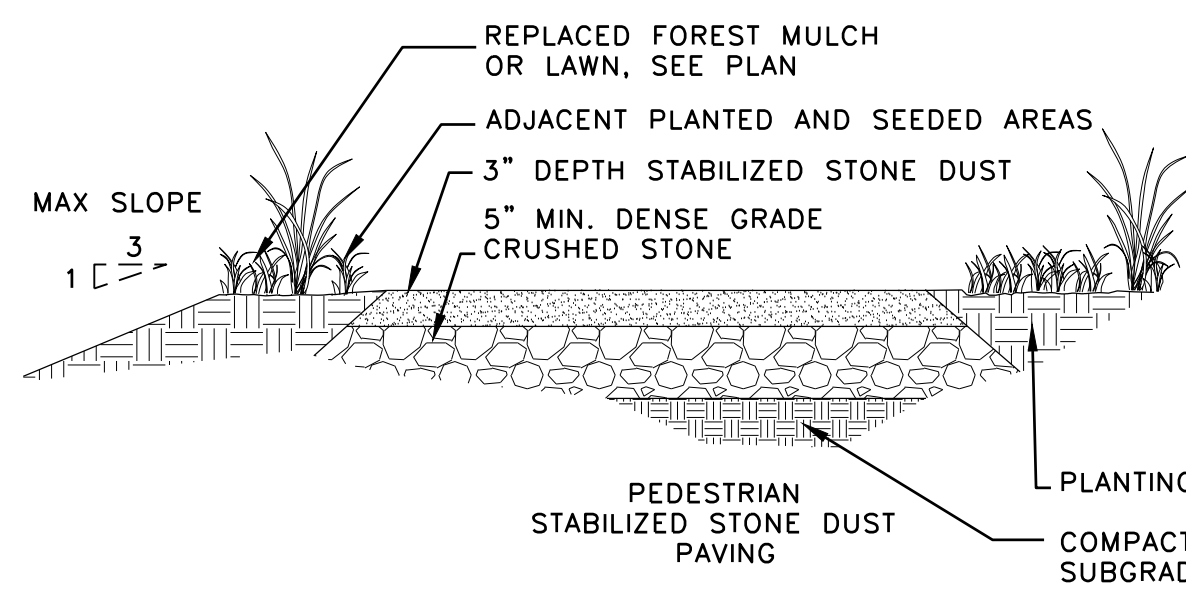
4 ENGINEERED WOOD FIBER SAFETY SURFACING, TYP.
 NTS



5 POURED-IN-PLACE (PIP) RUBBER PLAY SURFACING, TYP.
 NTS

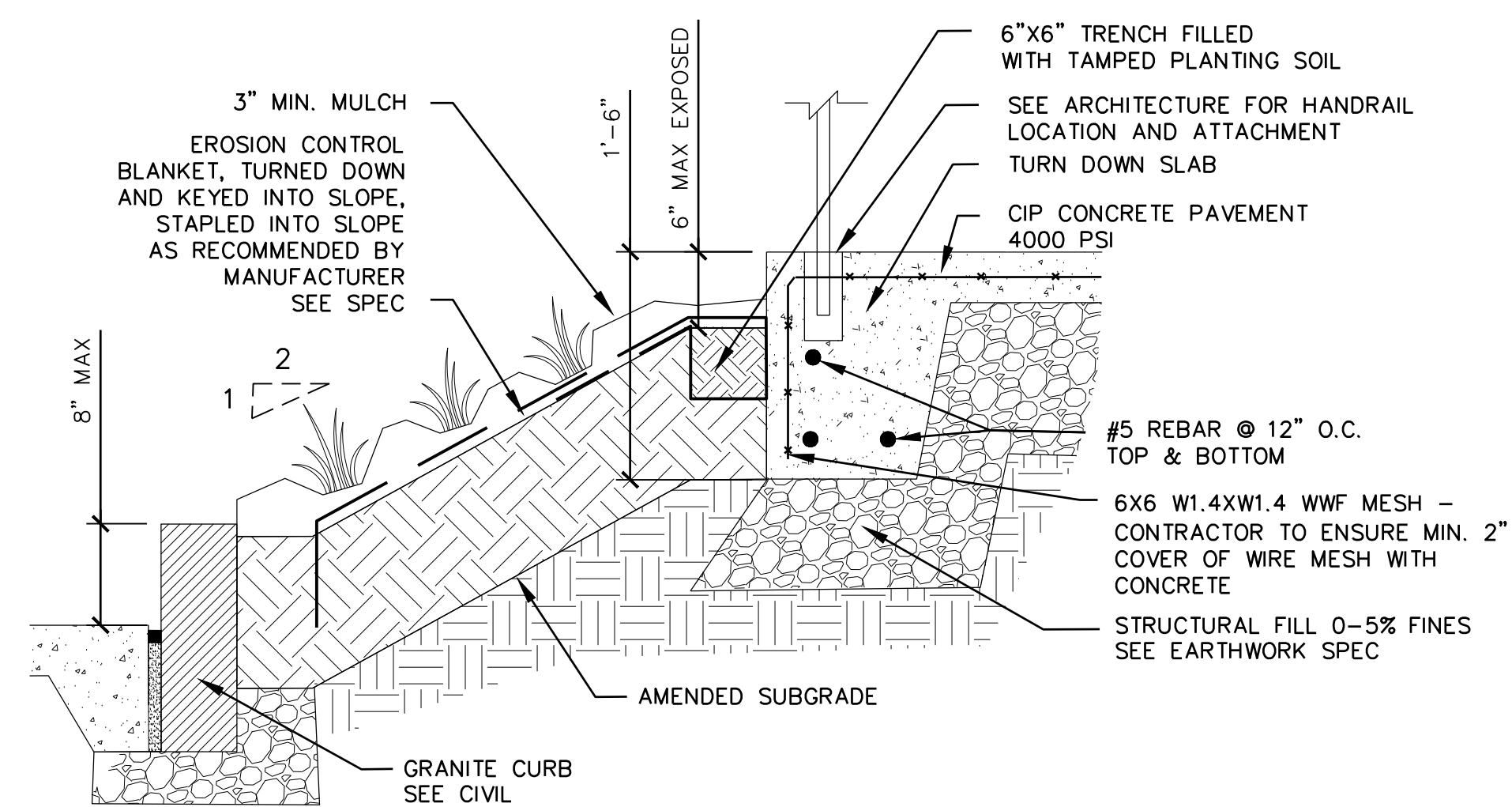


6 CONCRETE EDGING FOR PIP RUBBER SAFETY SURFACING
 NTS

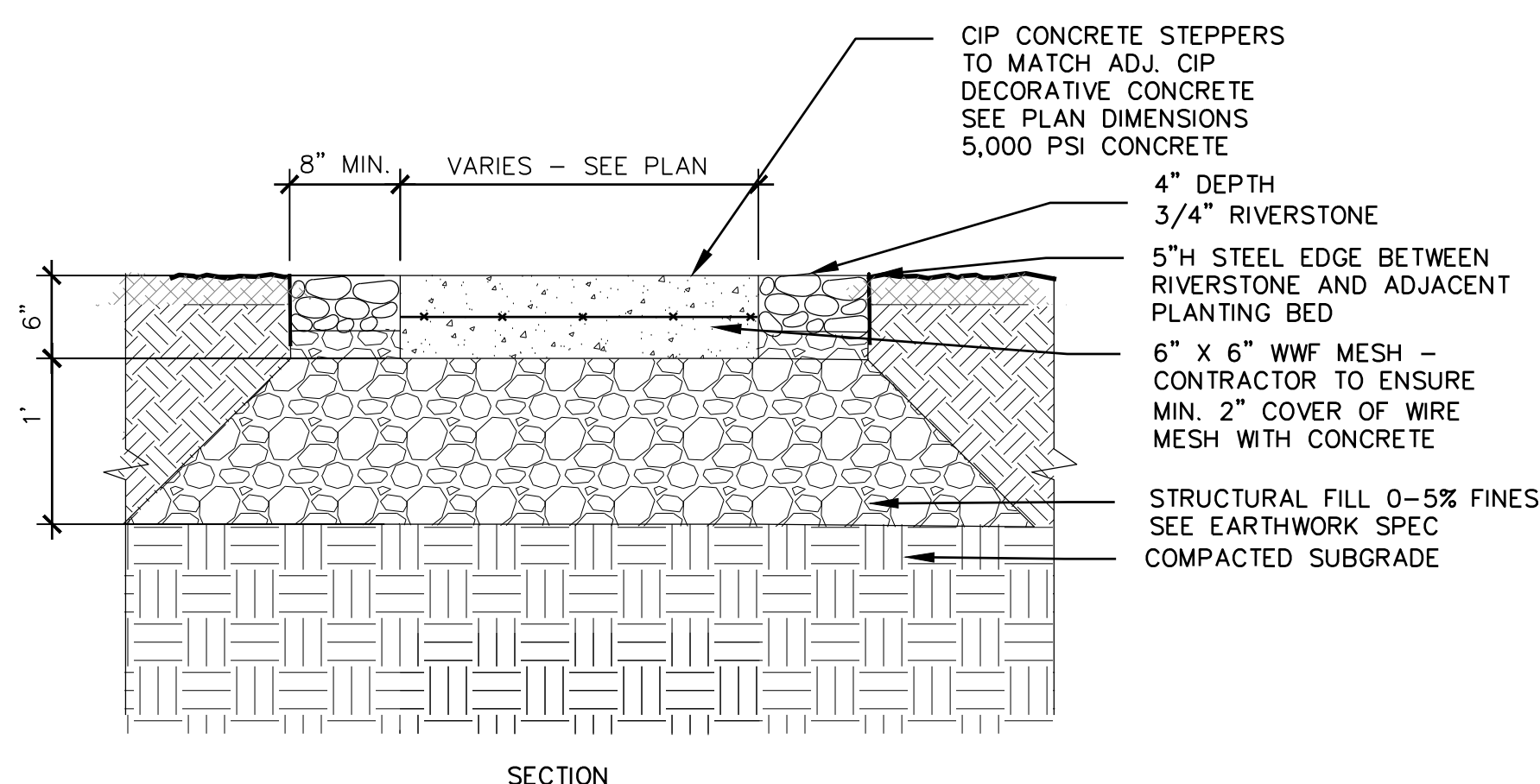


NOTES:
 1. PATHWAY STABILIZED AGGREGATE SHALL BE PRE-WET FOR INSTALLATION IN ORDER TO ENSURE THAT STABILIZED STONE DUST BINDER IS HOMOGENEOUSLY ACTIVATED BY WATER. IF PRE-WETTING IS NOT DONE AT THE QUARRY, THE USE OF A FRONT-LOADING TRACTOR AND A WATER SOURCE MAY BE ALLOWED TO PRE-WET STABILIZED PATHWAY AGGREGATE ON THE JOB SITE. SLOWLY ADD WATER TO THE STABILIZED PATHWAY AGGREGATE AND TURN IT OVER UNTIL ~10% MOISTURE CONTENT IS ACHIEVED.
 2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 3. COMPACTED SURFACE OF THE STABILIZED STONE DUST PATH SHALL BE 1" ABOVE ADJACENT PLANTINGS AND PAVEMENT.

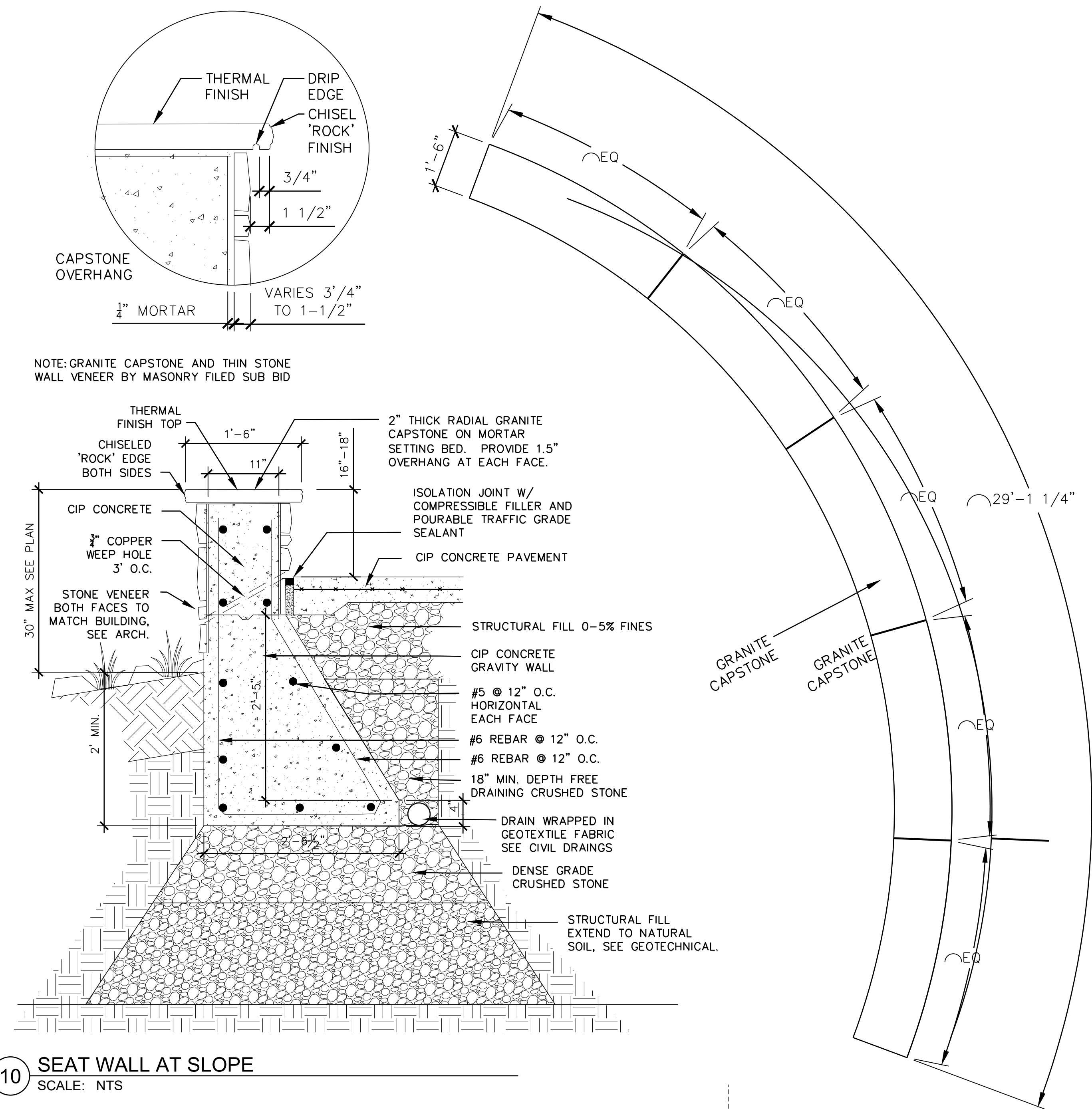
7 STABILIZED STONE DUST PAVING, TYP.
 NTS



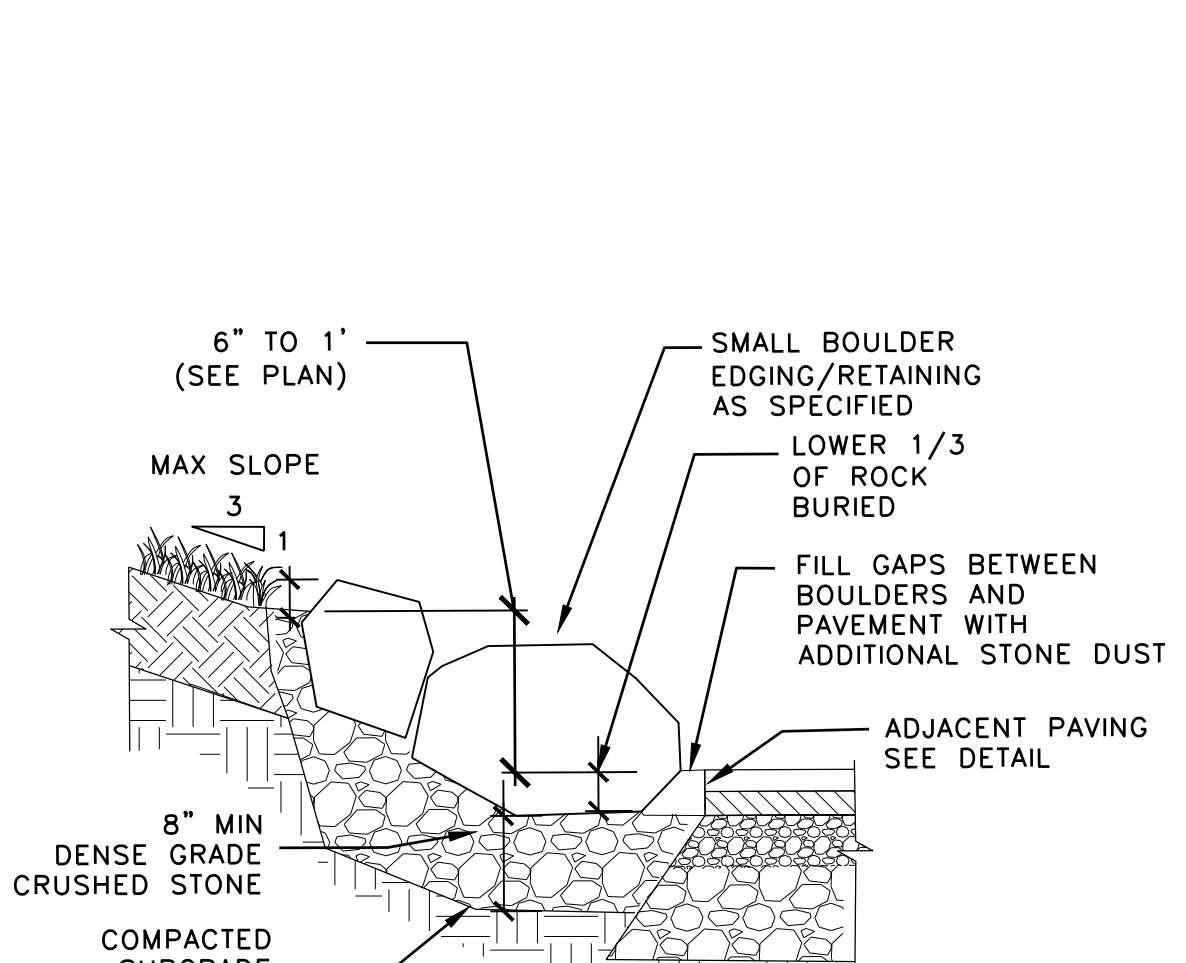
8 CONCRETE WALK EDGE AT WESTERN DOOR, TYP.
 1"=1"



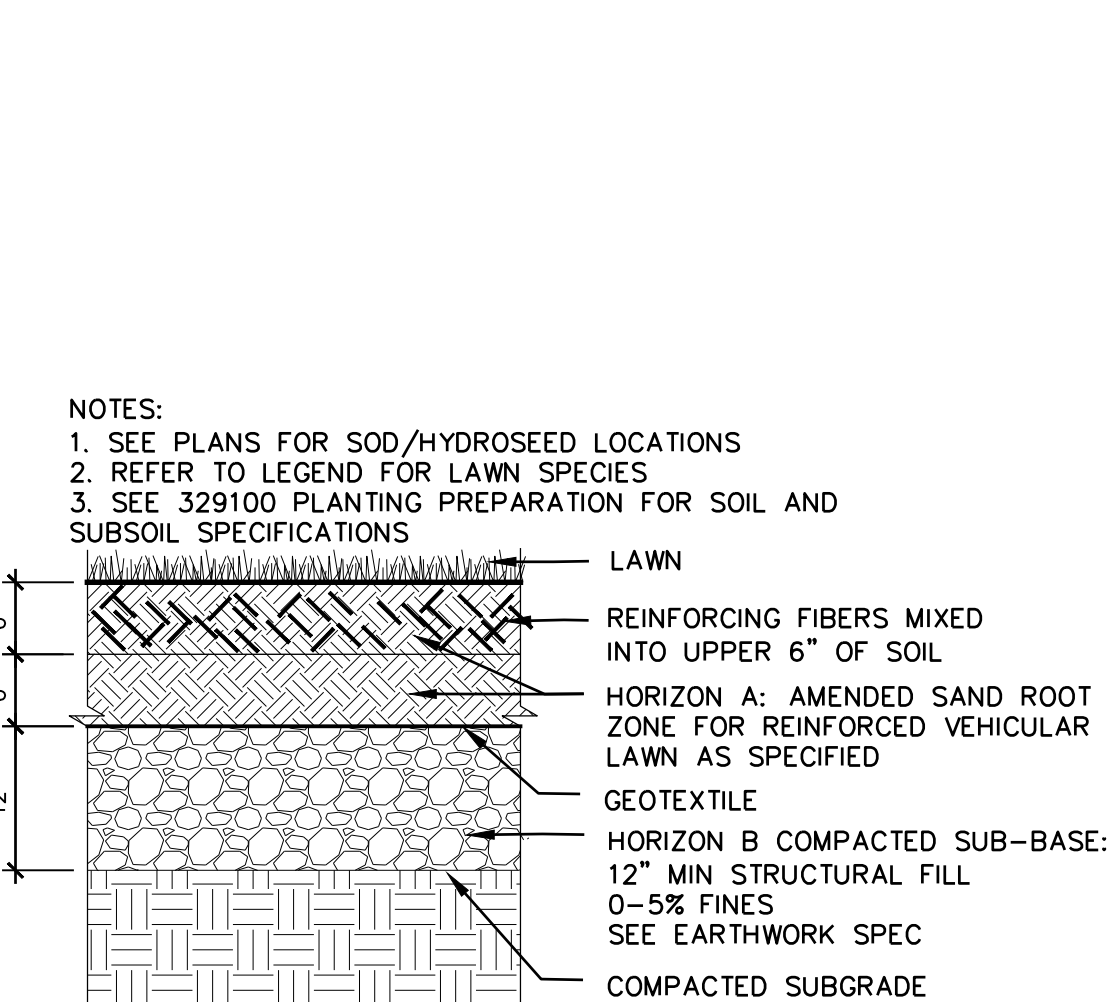
9 CIP CONCRETE STEPPING STONES
 NTS



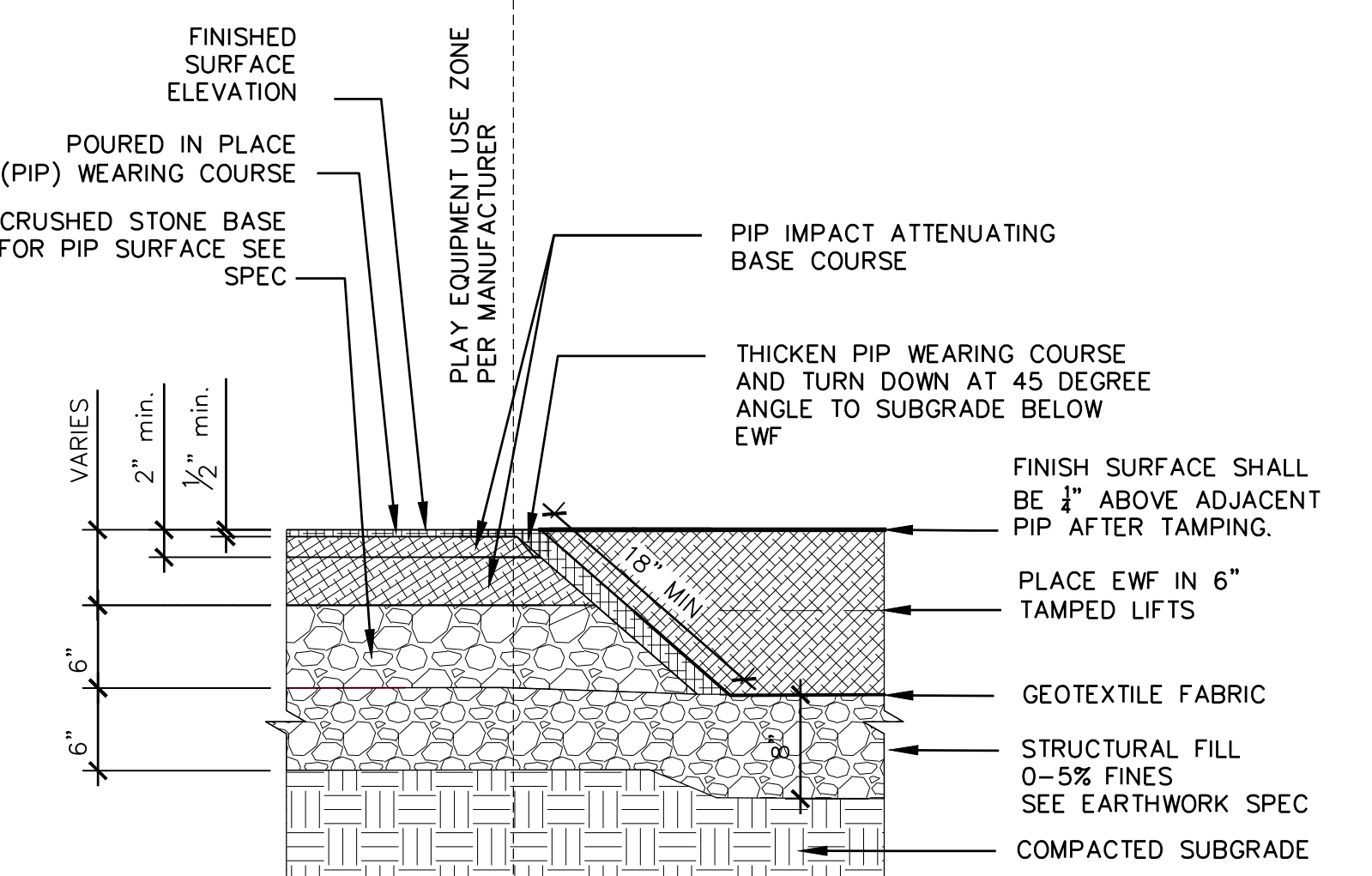
10 SEAT WALL AT SLOPE
 SCALE: NTS



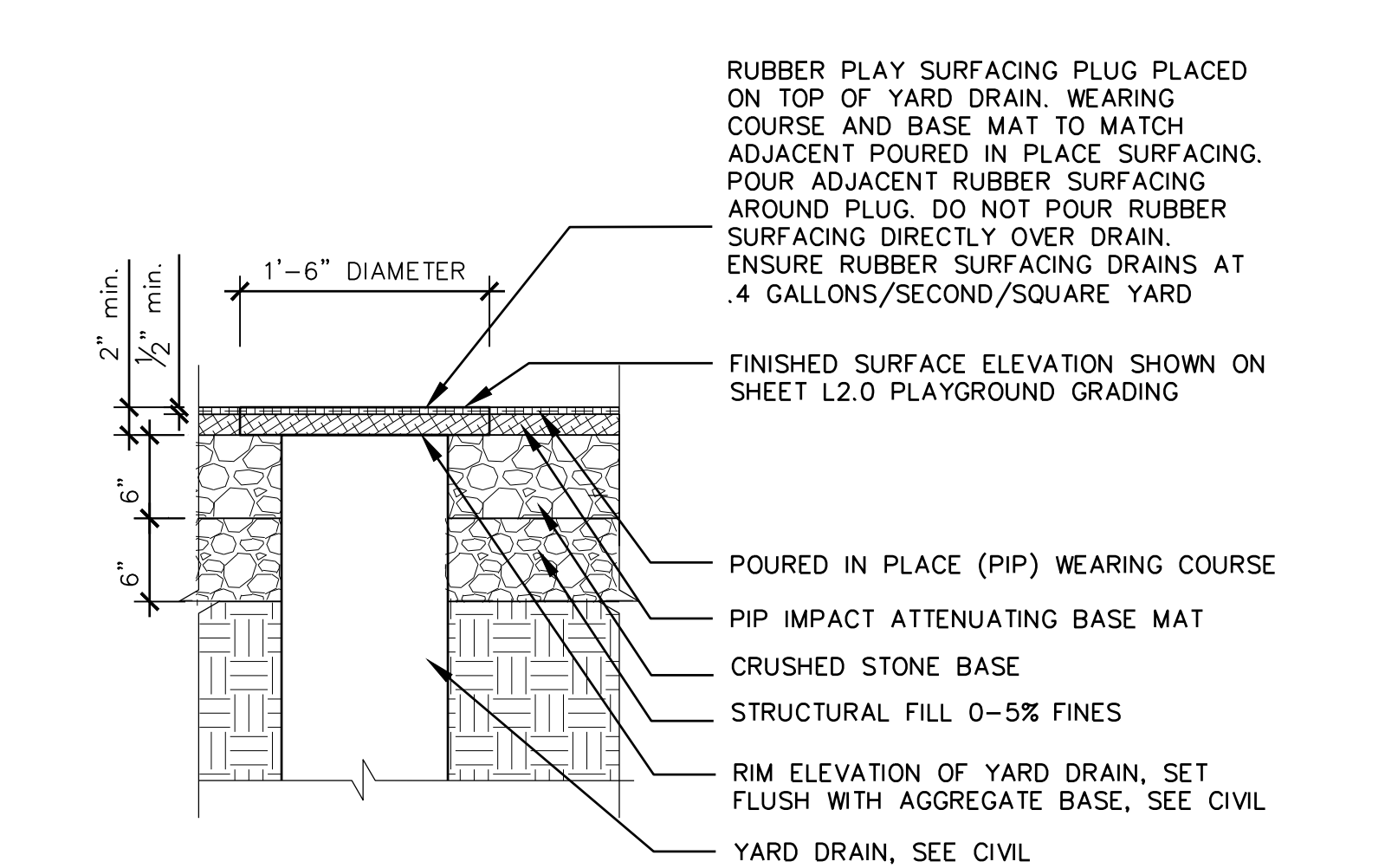
11 BOULDER EDGING, TYP.
 NTS



12 VEHICULAR REINFORCED LAWN, TYP.
 NTS



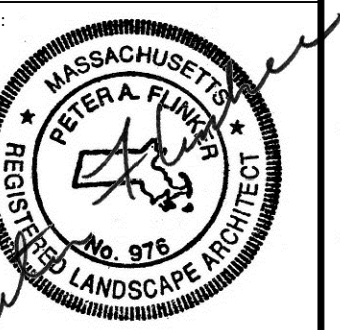
13 PIP RUBBER TO ENG. WOOD FIBER TRANSITION
 NTS



14 PIP RUBBER OVER YARD DRAIN
 NTS



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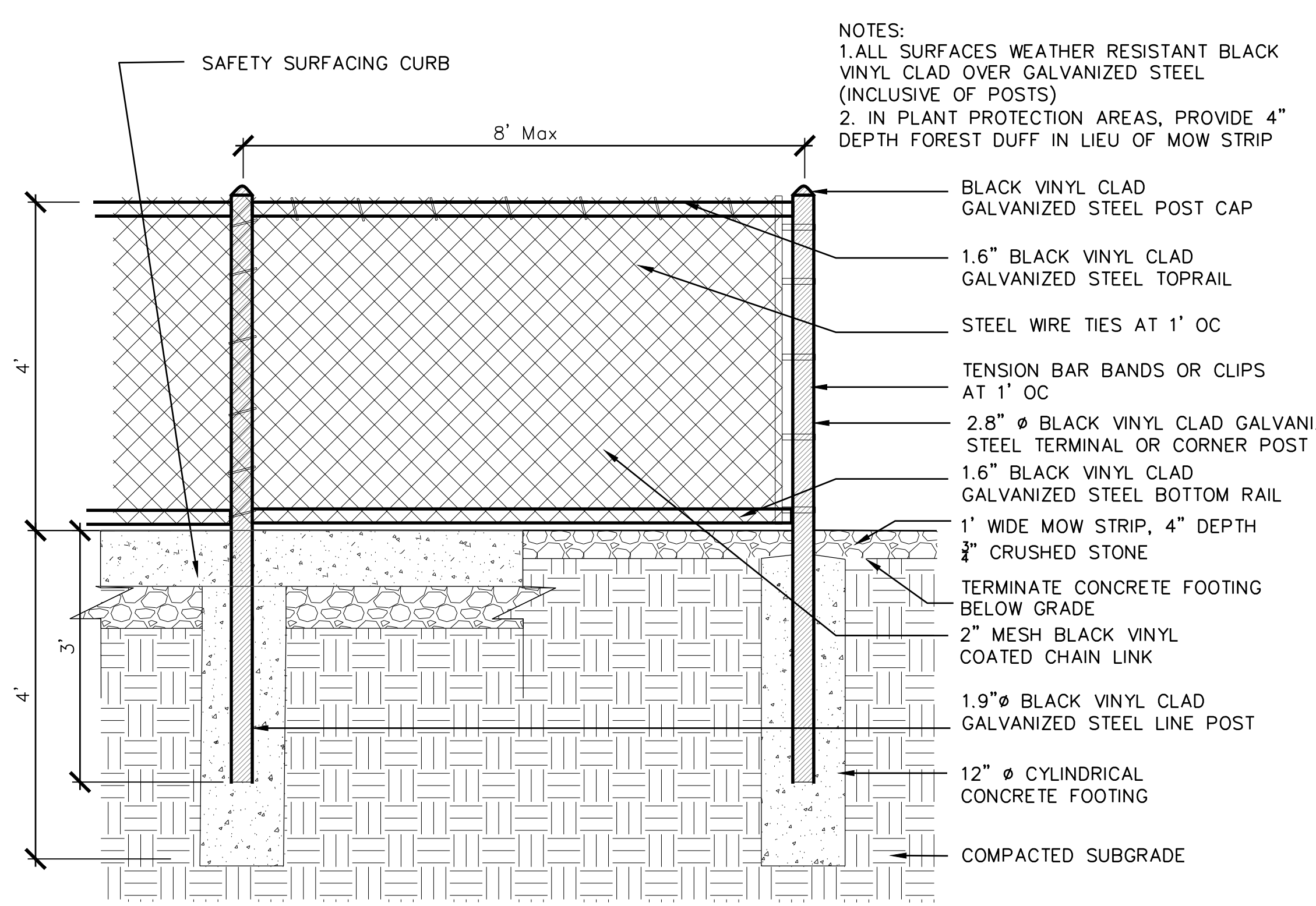
TITLE:
 LANDSCAPE
 DETAILS

JOB NUMBER:
 20-05
 DRAWN BY:
 NB, TN

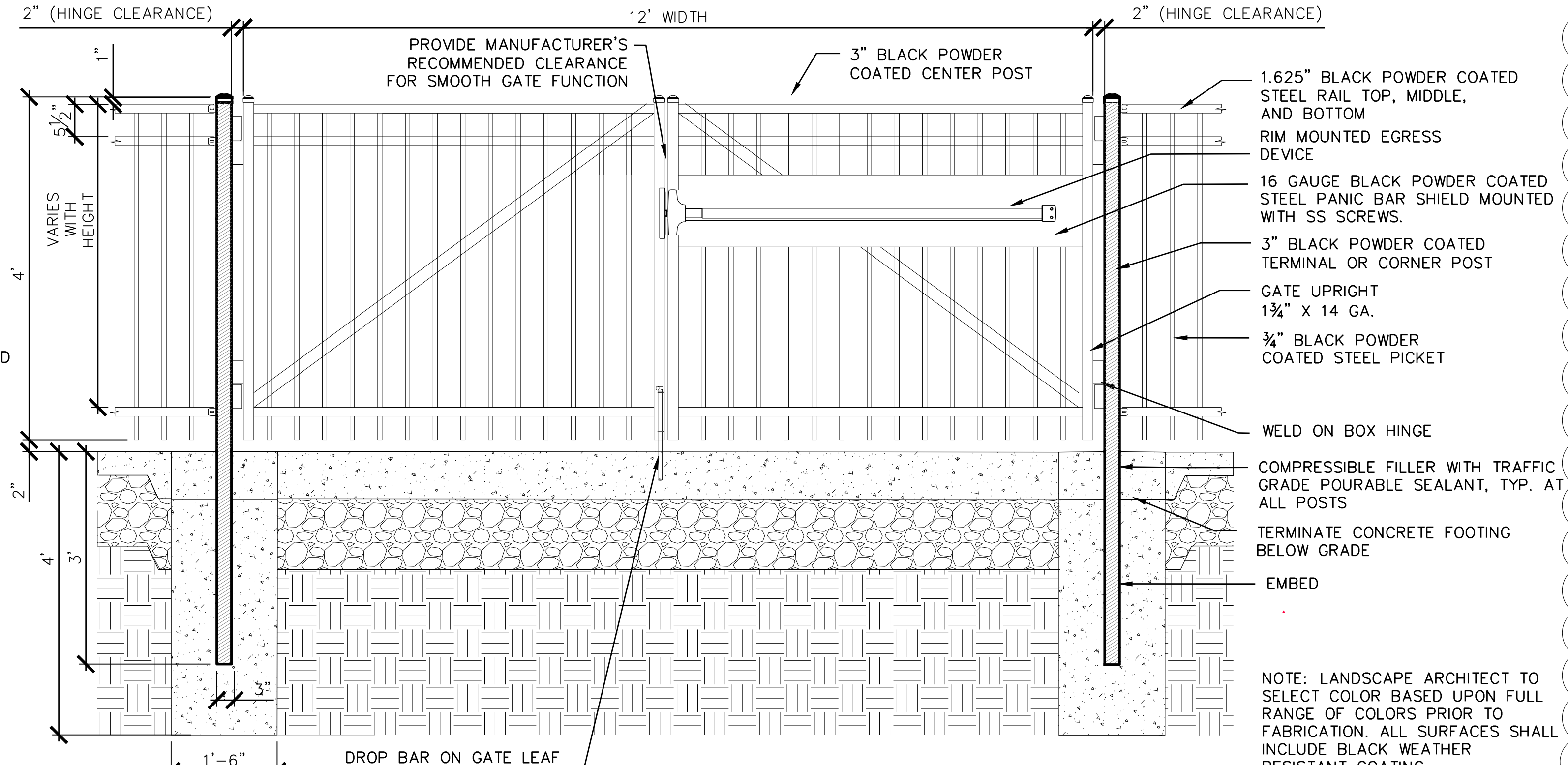
CHECKED BY:
 NB, DS, PF
 DATE:
 09/08/2021

SCALE:
 AS NOTED

SHEET NO:
 L4.1

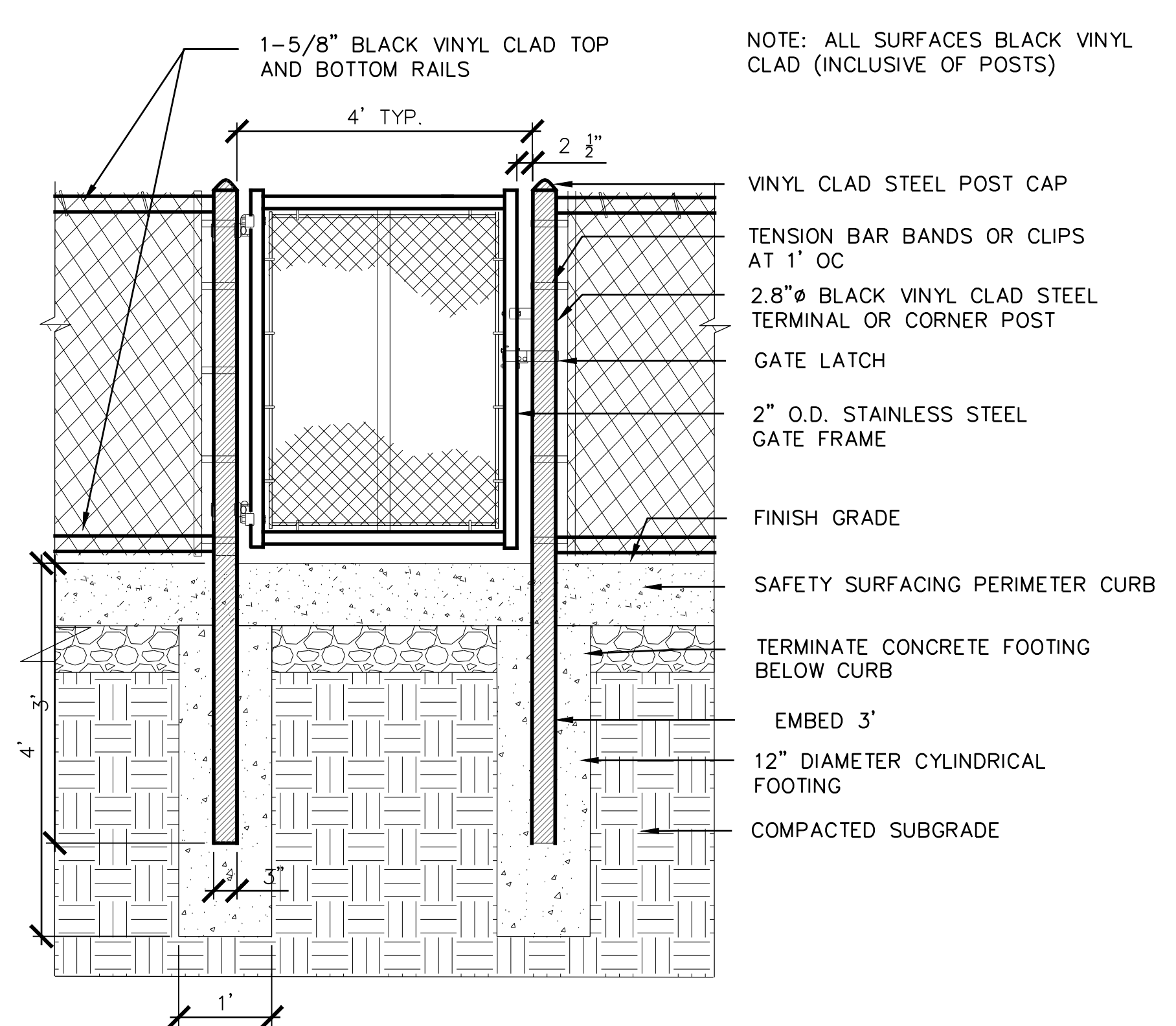


1 4' H CHAIN LINK FENCE, TYP.
NTS

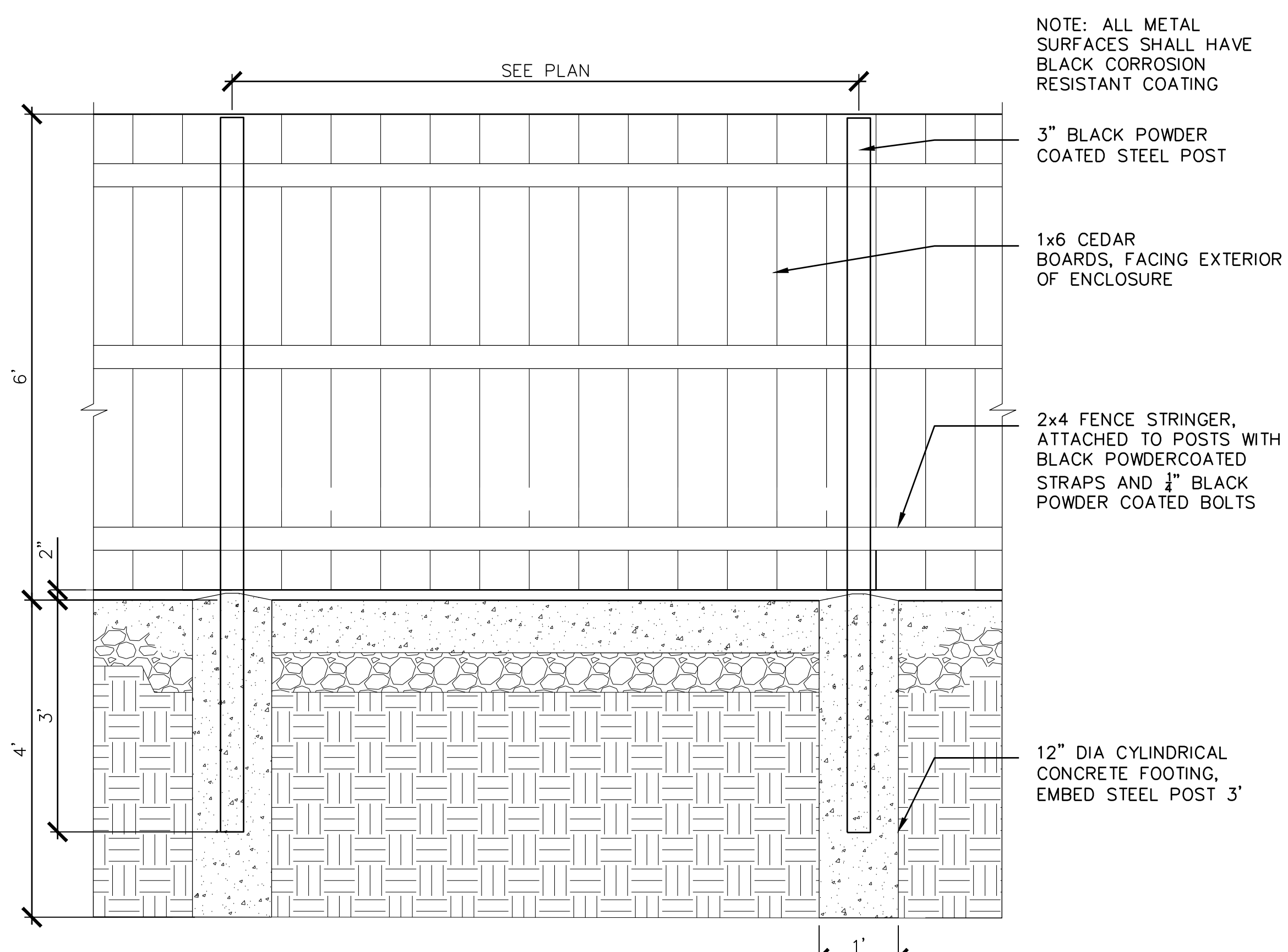


4 4' H DECORATIVE PICKET DOUBLE GATE
NTS

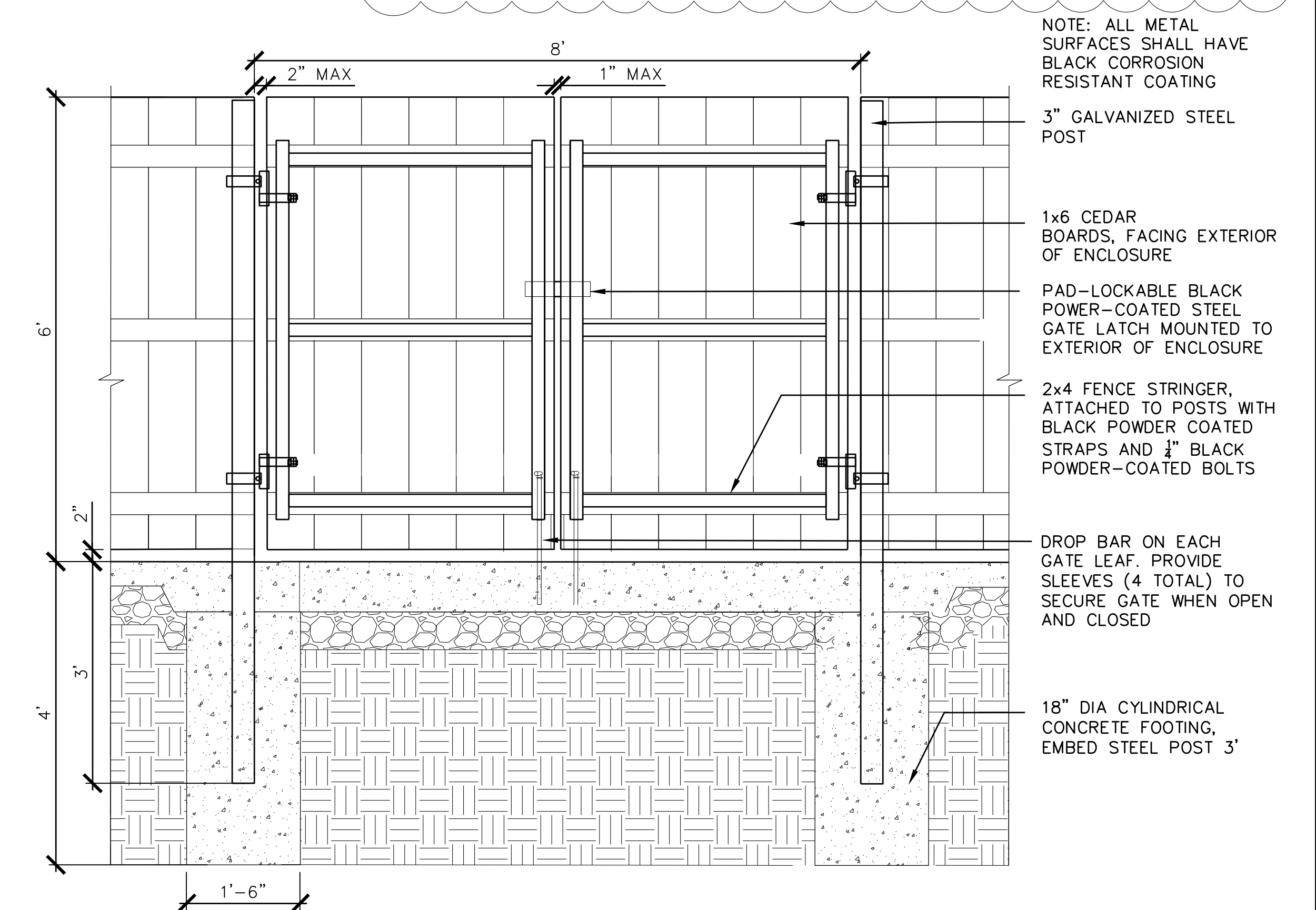
2 DETAIL 7 NOT USED IN PLAN



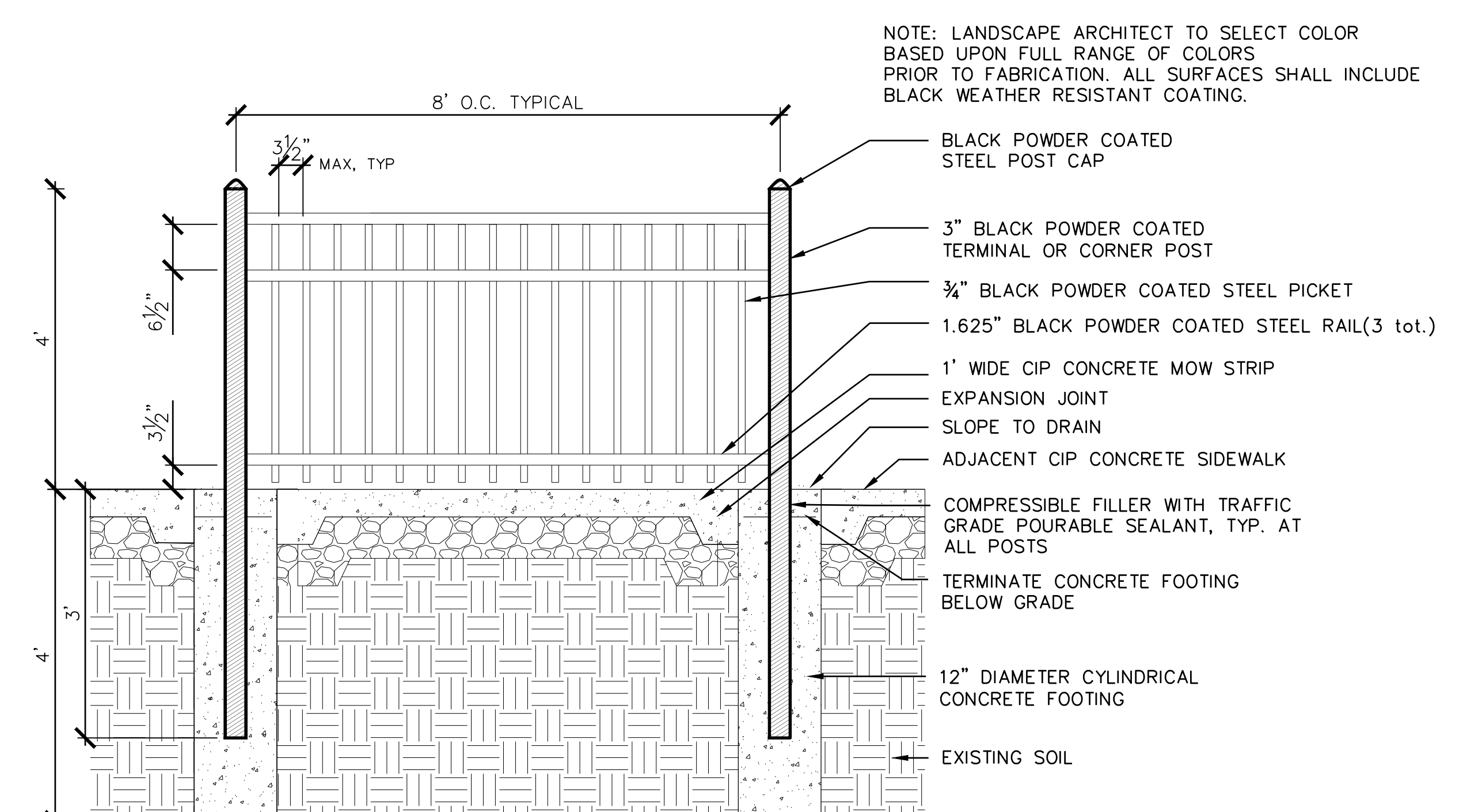
2 4' H CHAIN LINK GATE, TYP.
NTS



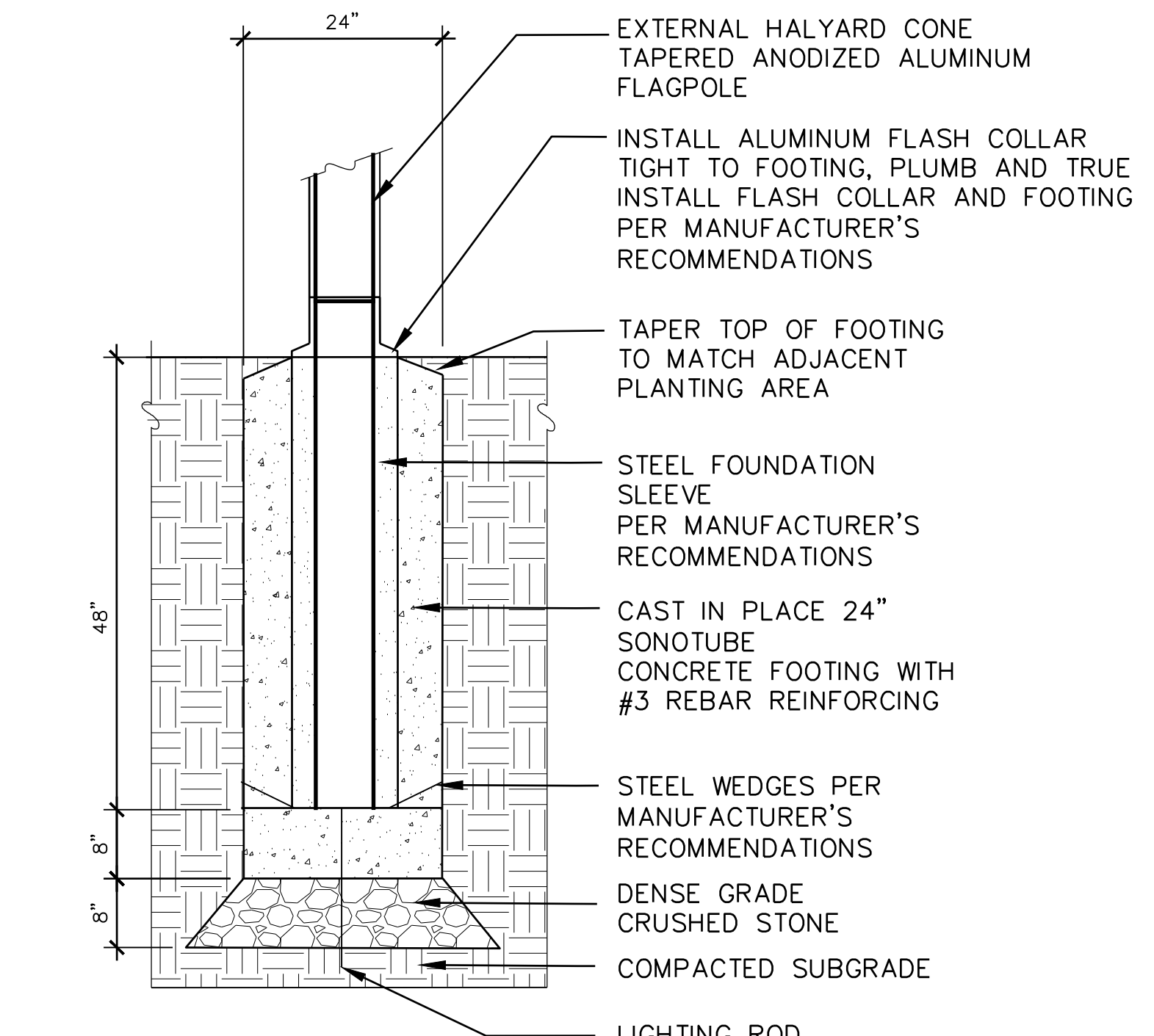
5 6' H WOOD ENCLOSURE
NTS



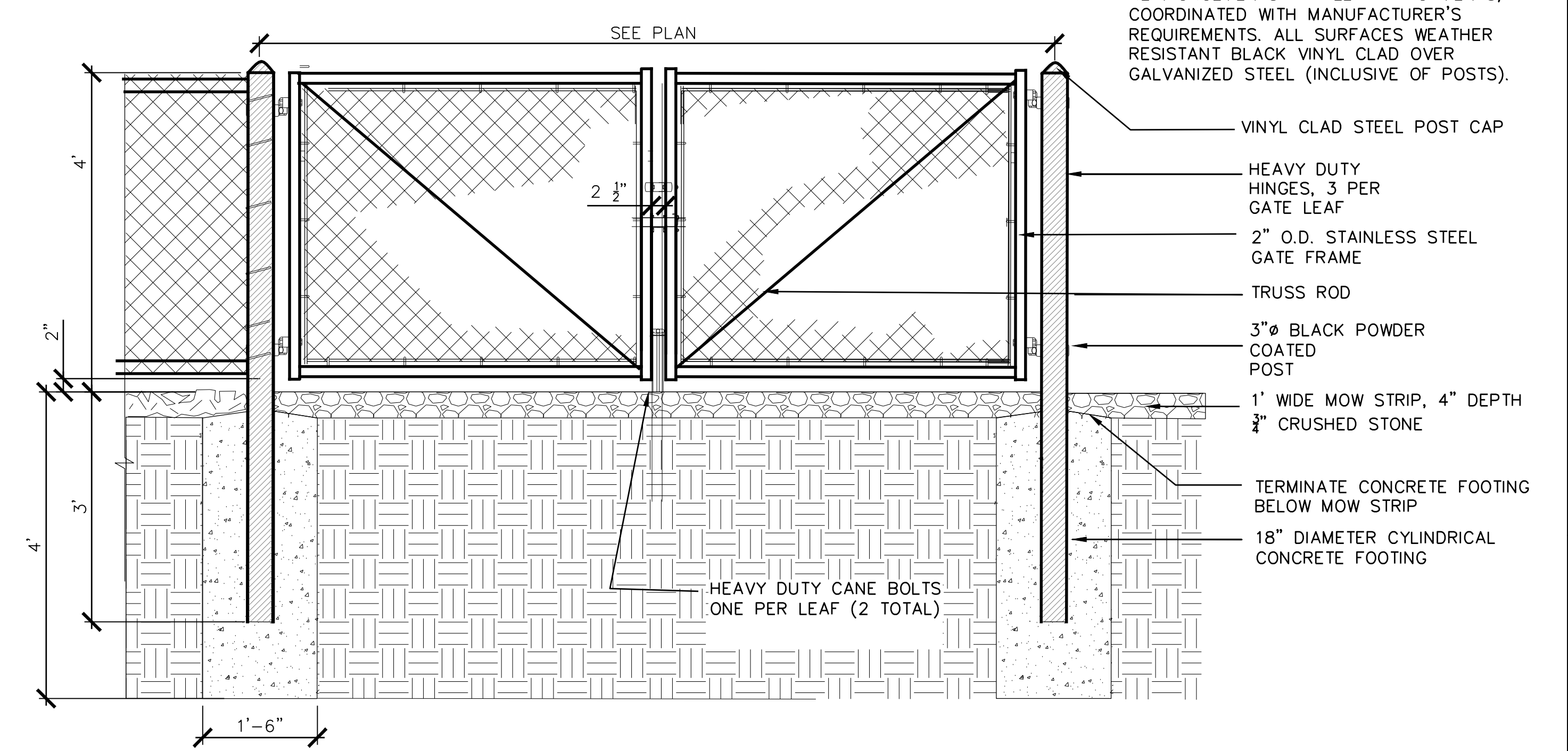
8 6' H WOOD ENCLOSURE DOUBLE GATE
NTS



3 4' H DECORATIVE PICKET FENCE, TYP.
NTS



6 FLAGPOLE
NTS



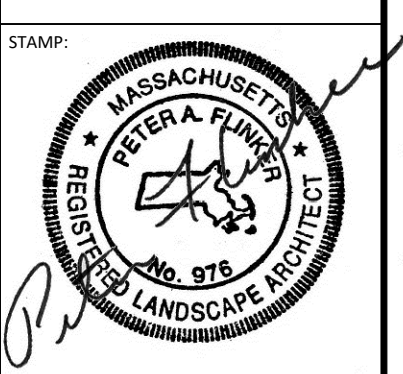
9 4' H CHAIN LINK DOUBLE SWING GATE
NTS



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No.	Description	Date
1	ADDENDUM 1	09/28/2021

UPTON COMMUNITY CENTER
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 ADDENDA 1-4 INCORPORATED 10/6/2021

TITLE:
LANDSCAPE DETAILS

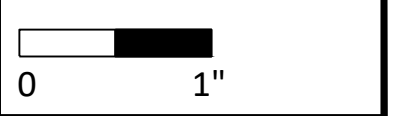
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DRAWN BY:
 NB

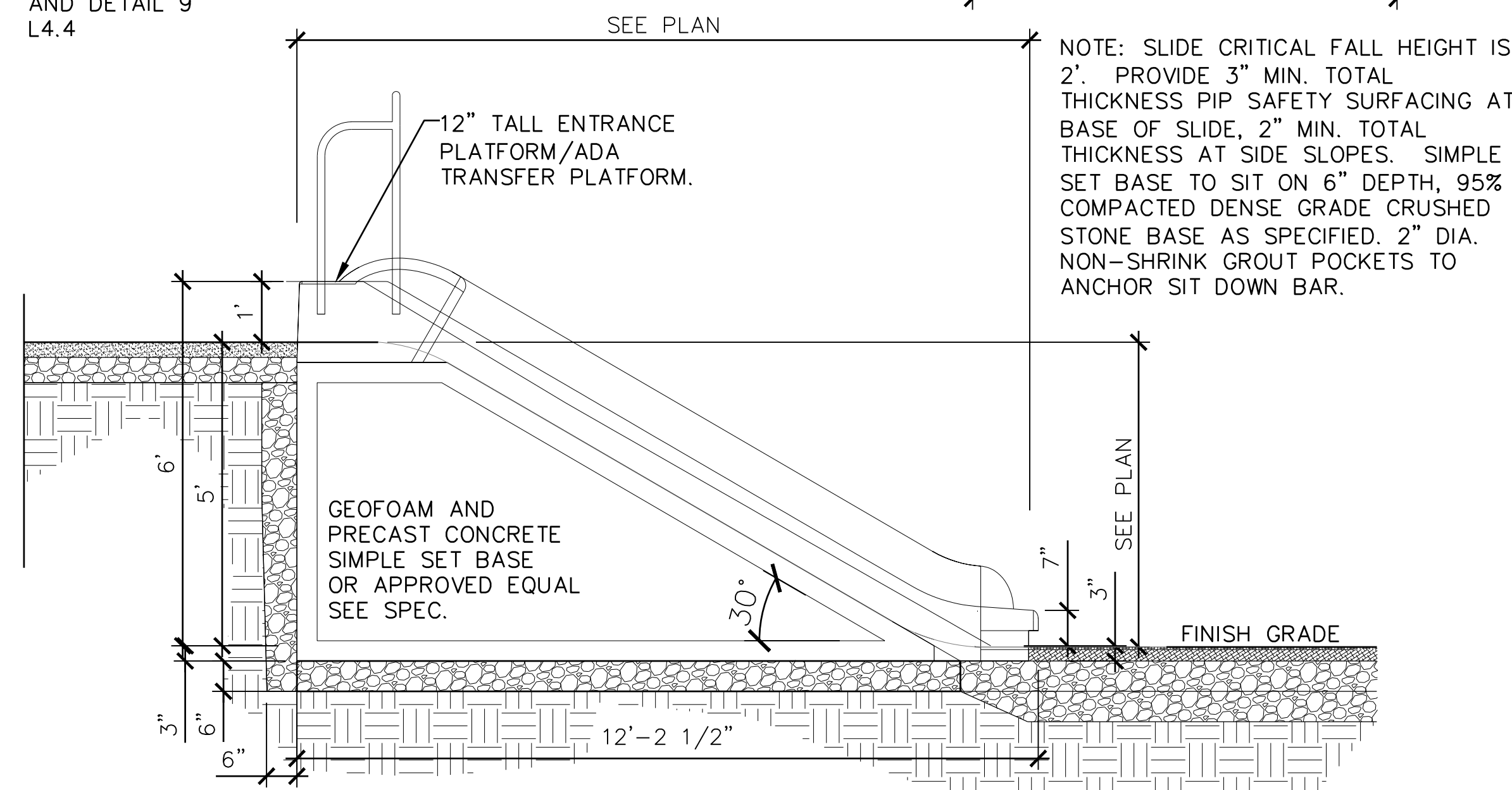
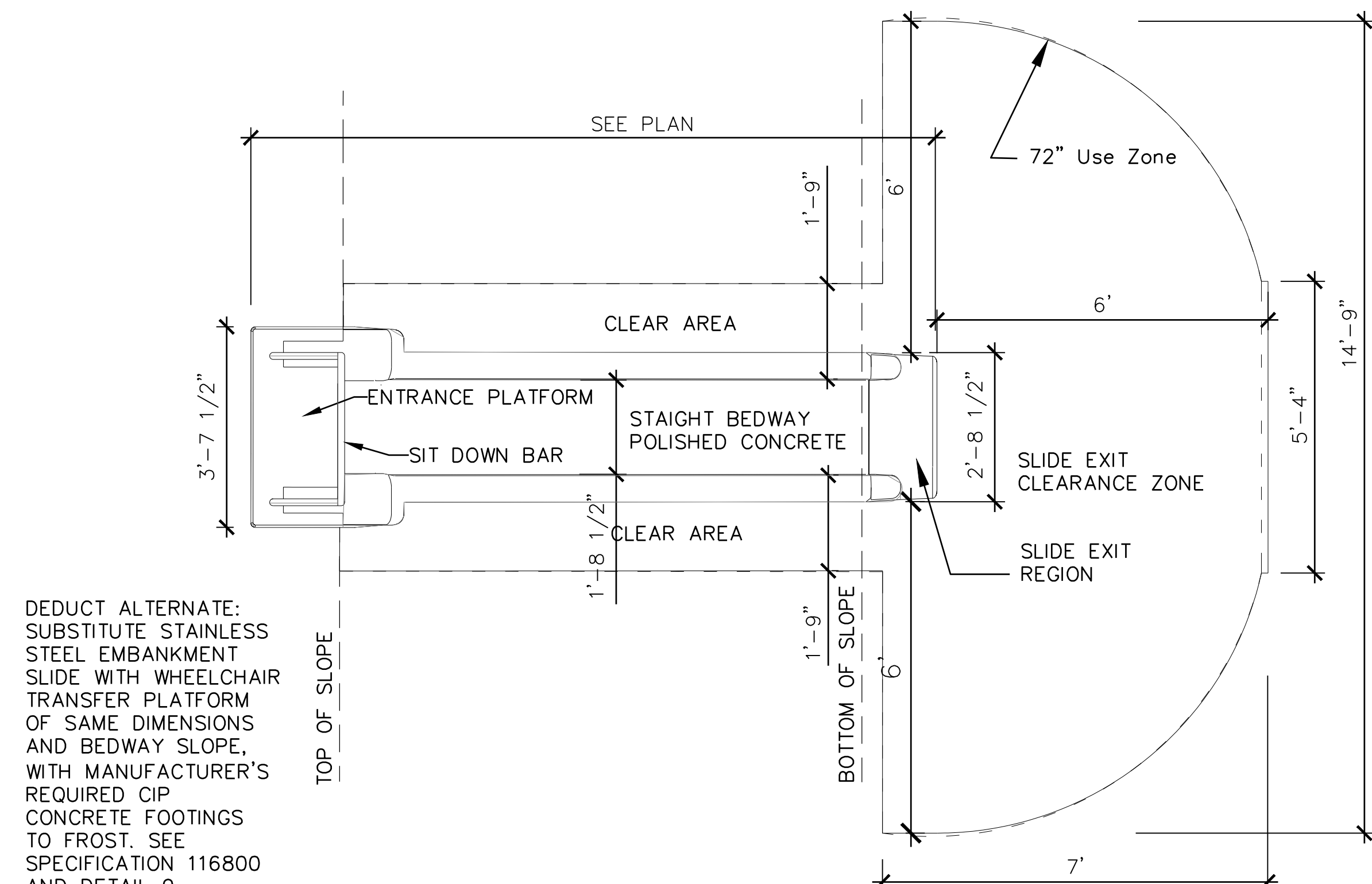
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DATE:
 09/08/2021

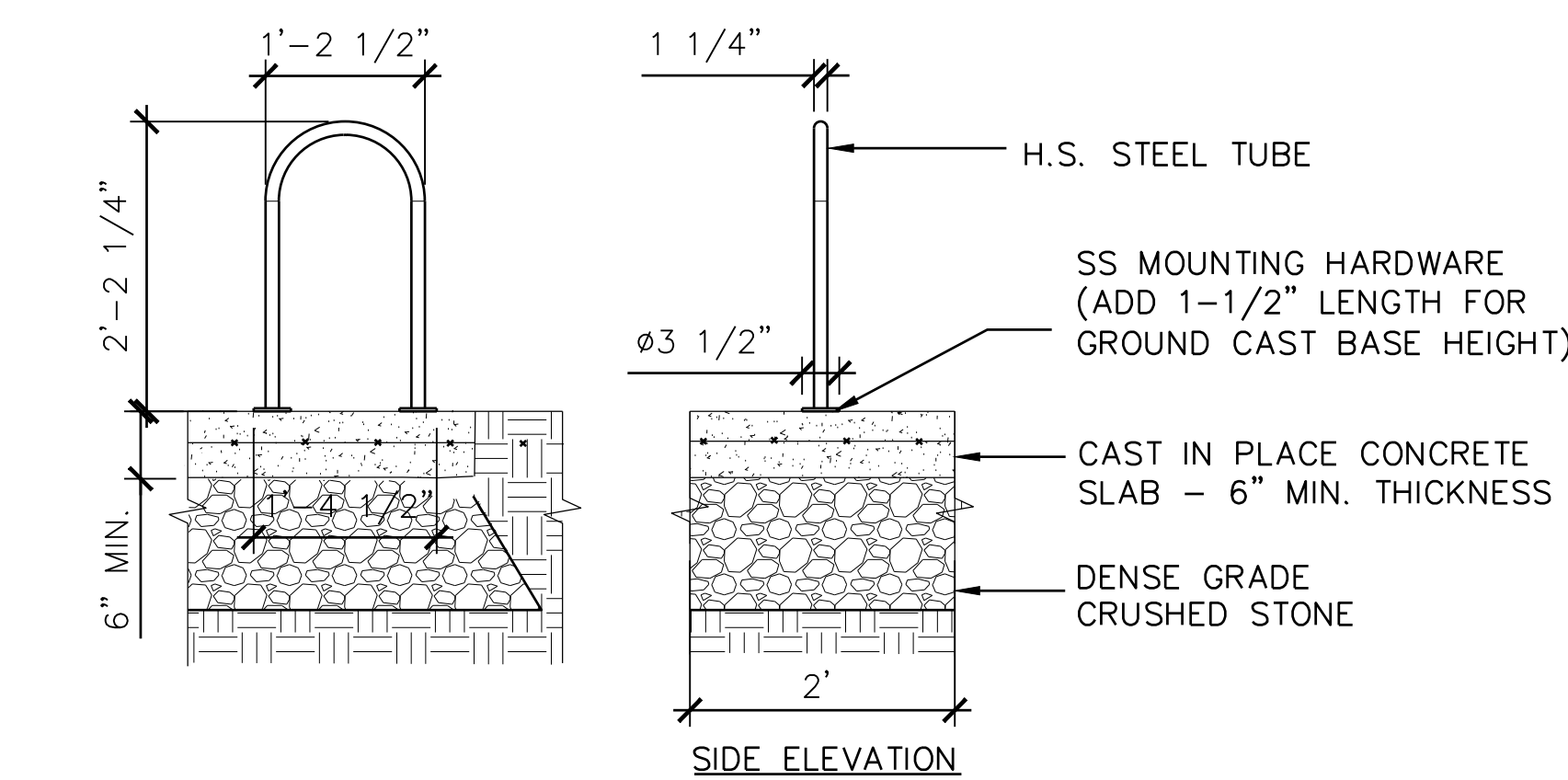
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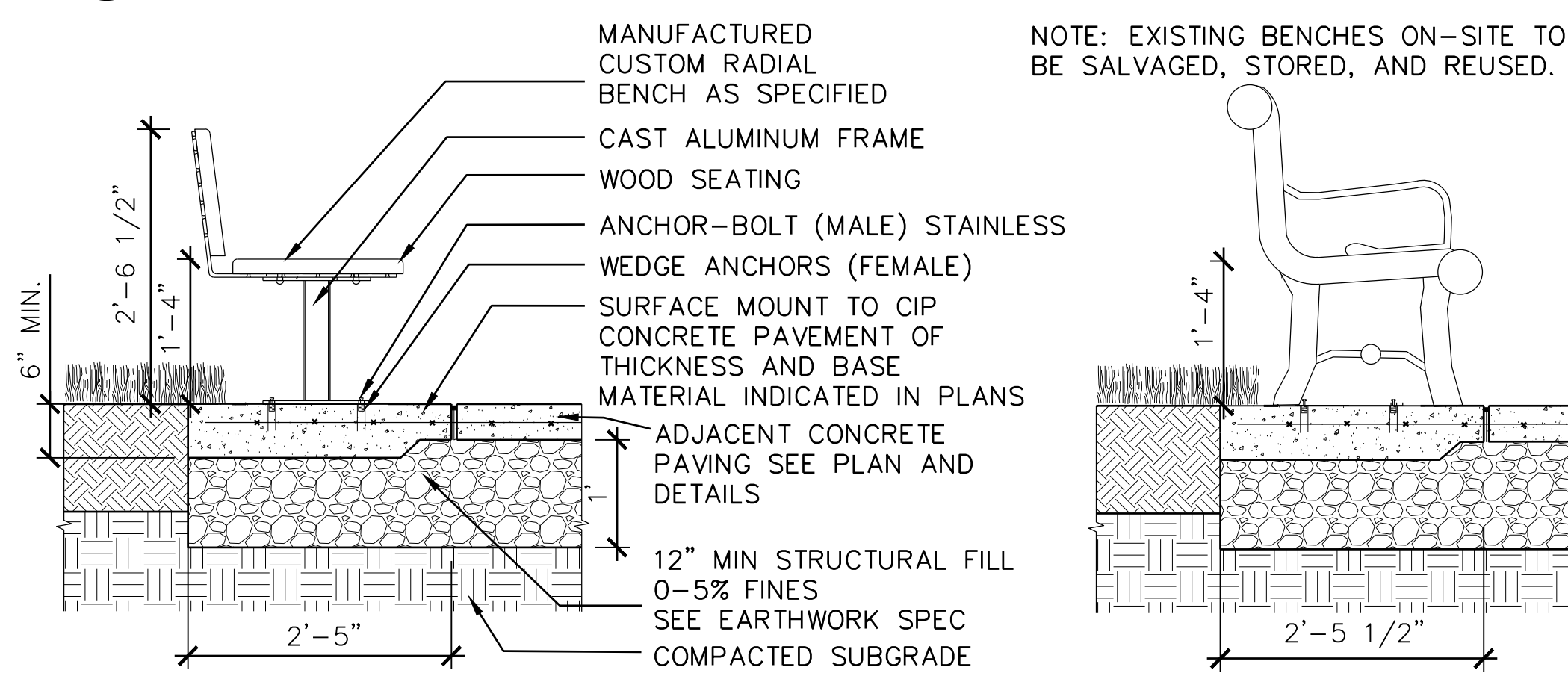
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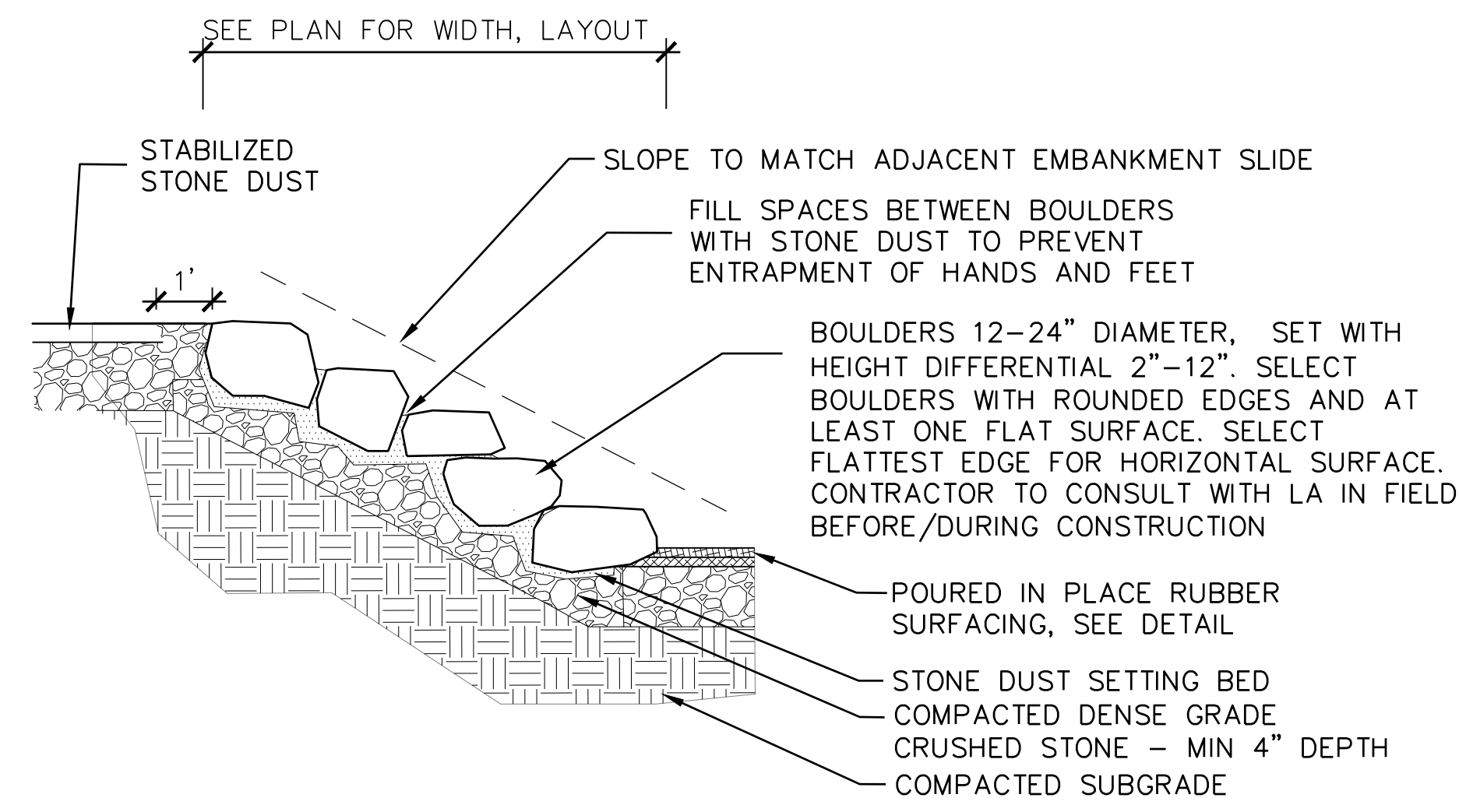
1 CONCRETE EMBANKMENT SLIDE, TYP.
NTS



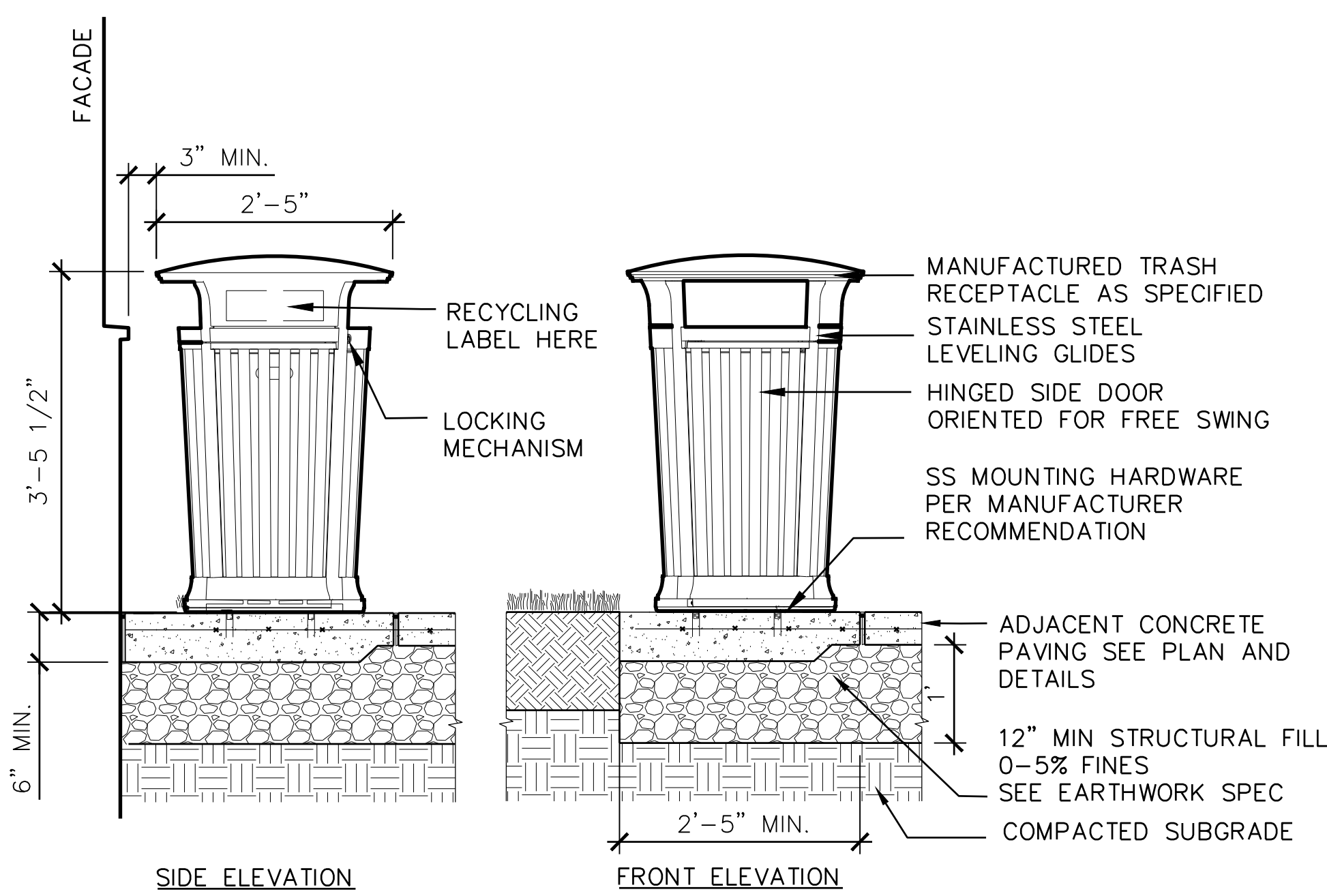
2 BIKE RACKS, TYP.
NTS



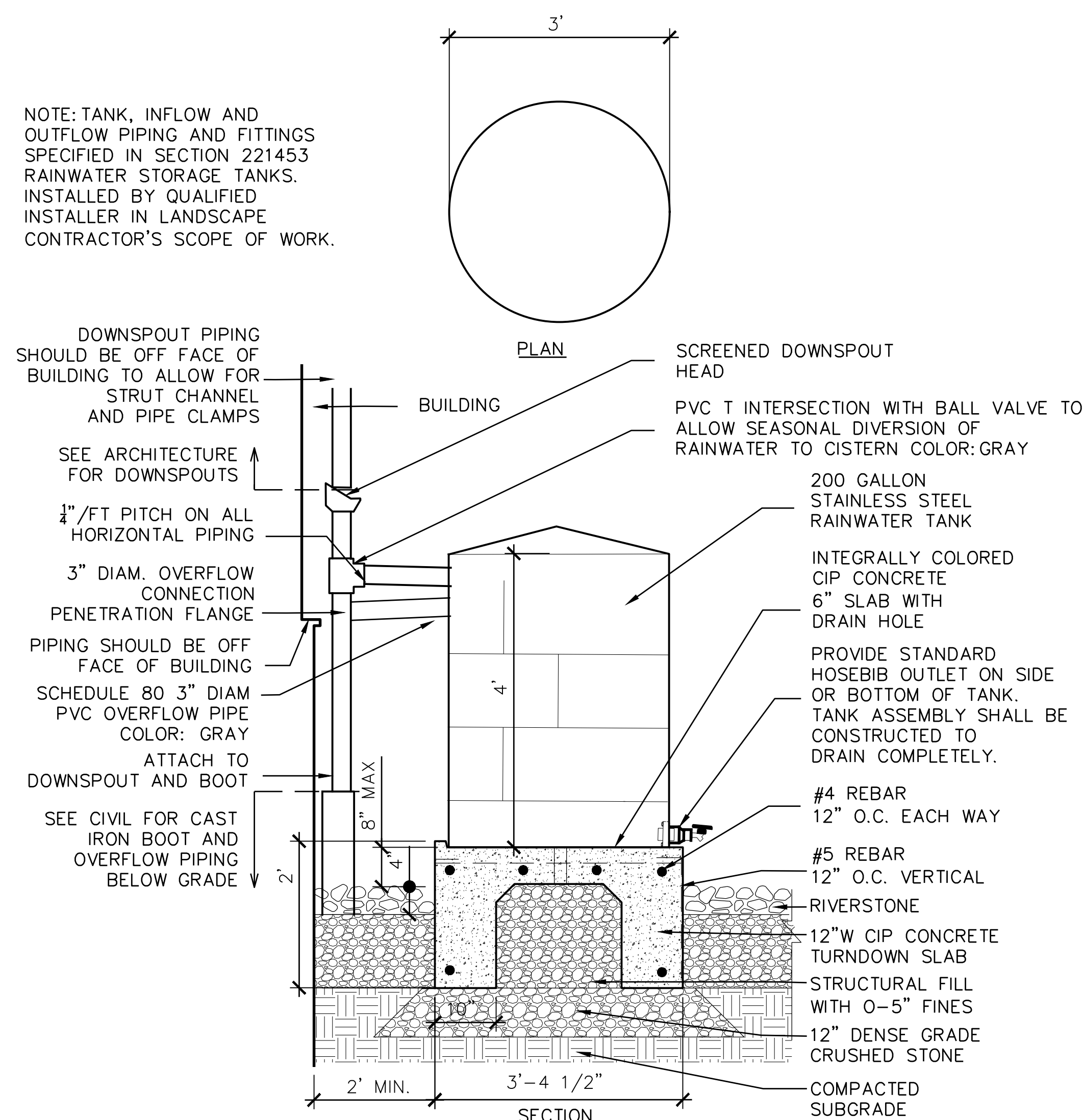
3 WOOD BENCH, TYP.
NTS



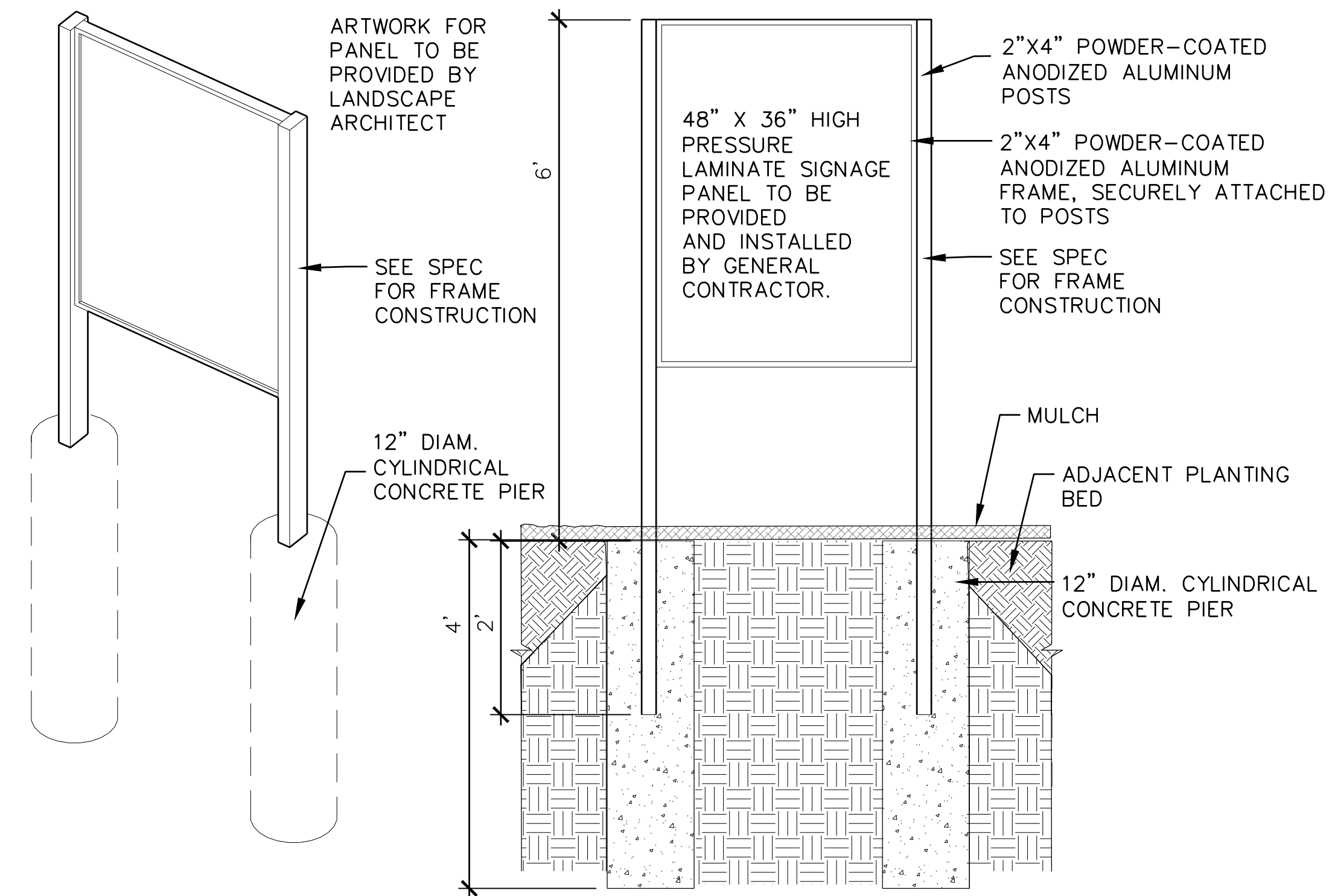
4 BOULDER SCRAMBLE, TYP.
NTS



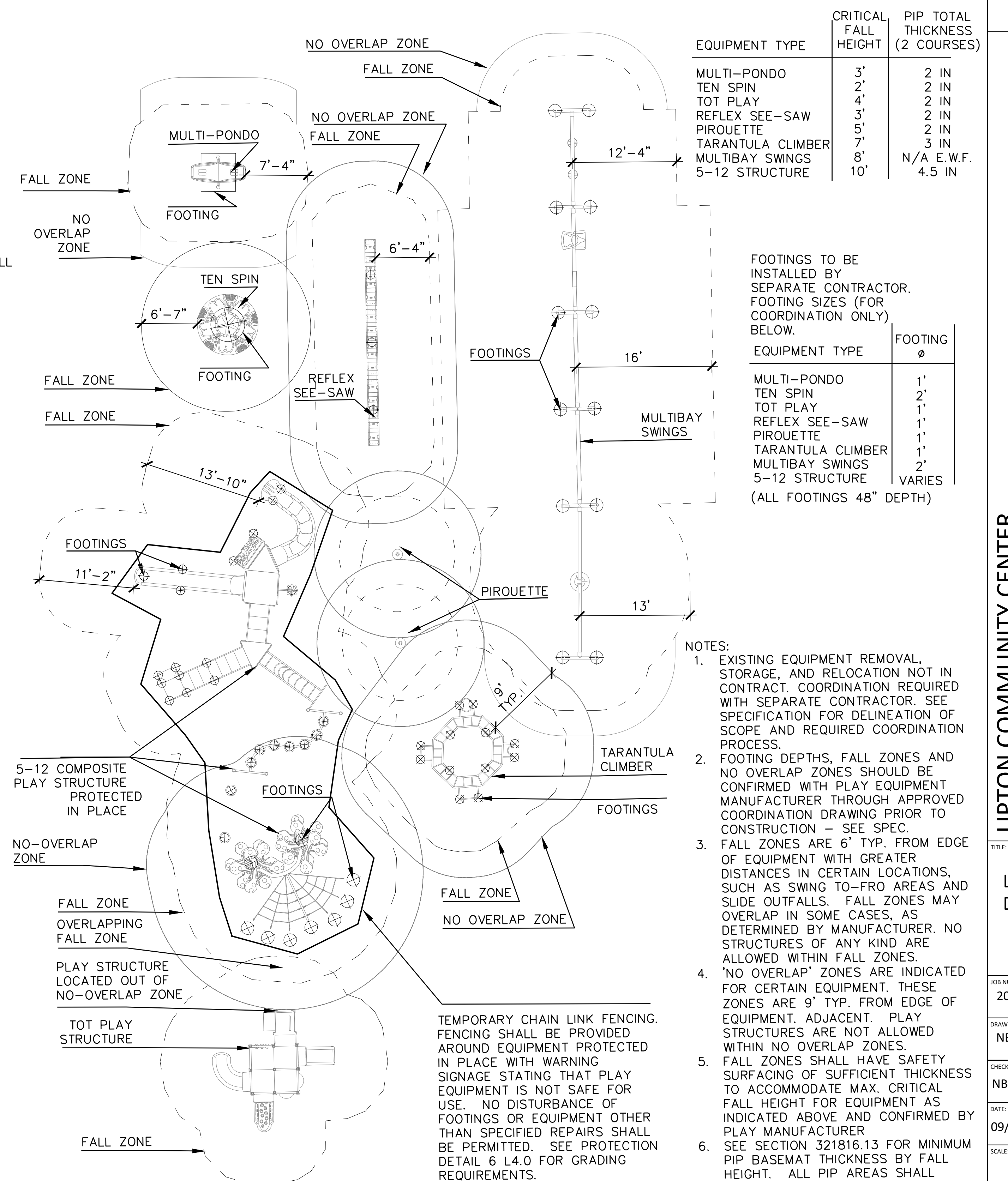
5 WASTE RECEPTACLE
NTS



6 RAINWATER STORAGE TANK
3/4\"=1'



7 PLAYGROUND WELCOME SIGNAGE
NTS

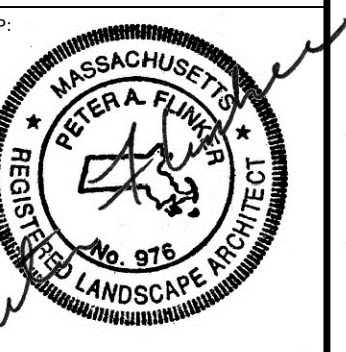


8 PLAY EQUIPMENT FOOTING LOCATIONS AND FALL ZONES
1/8\"=1'



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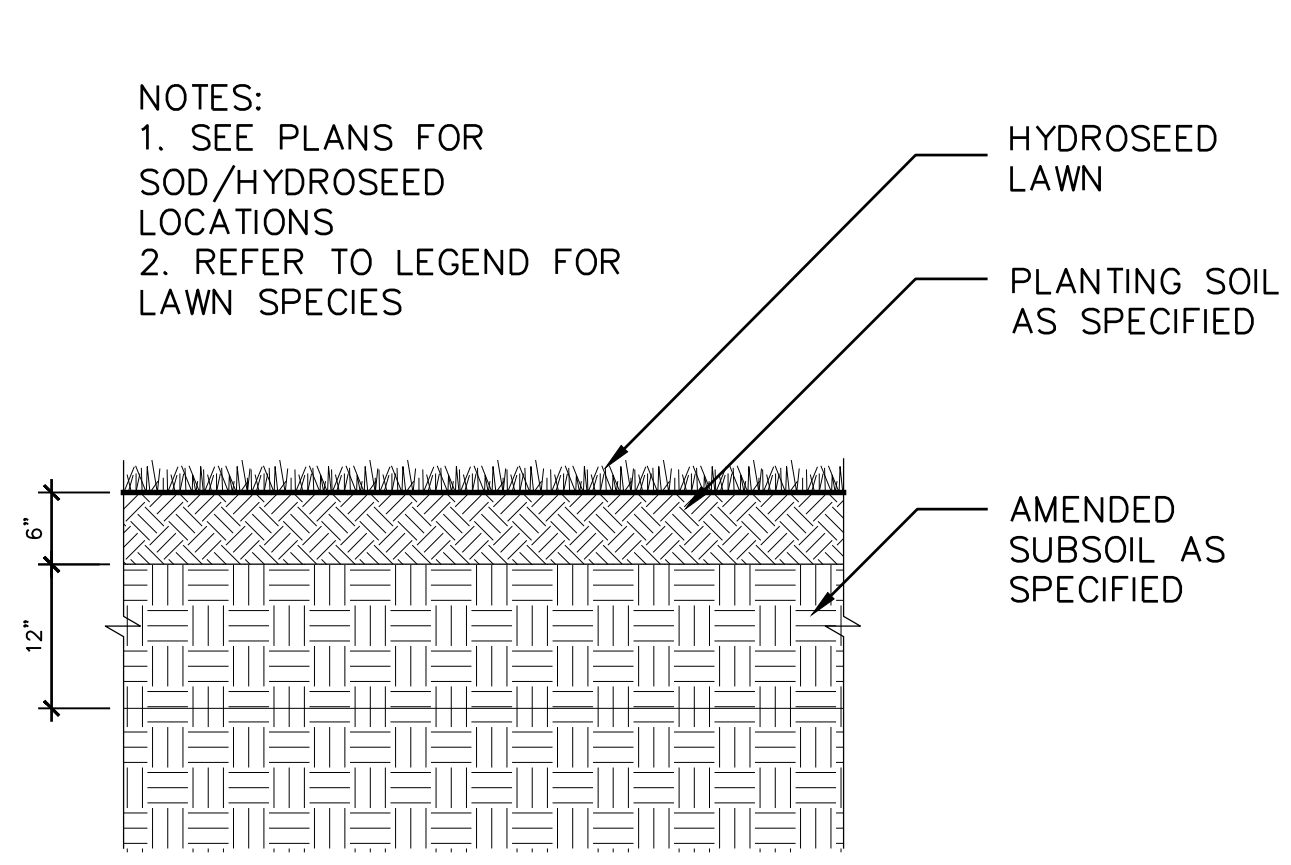
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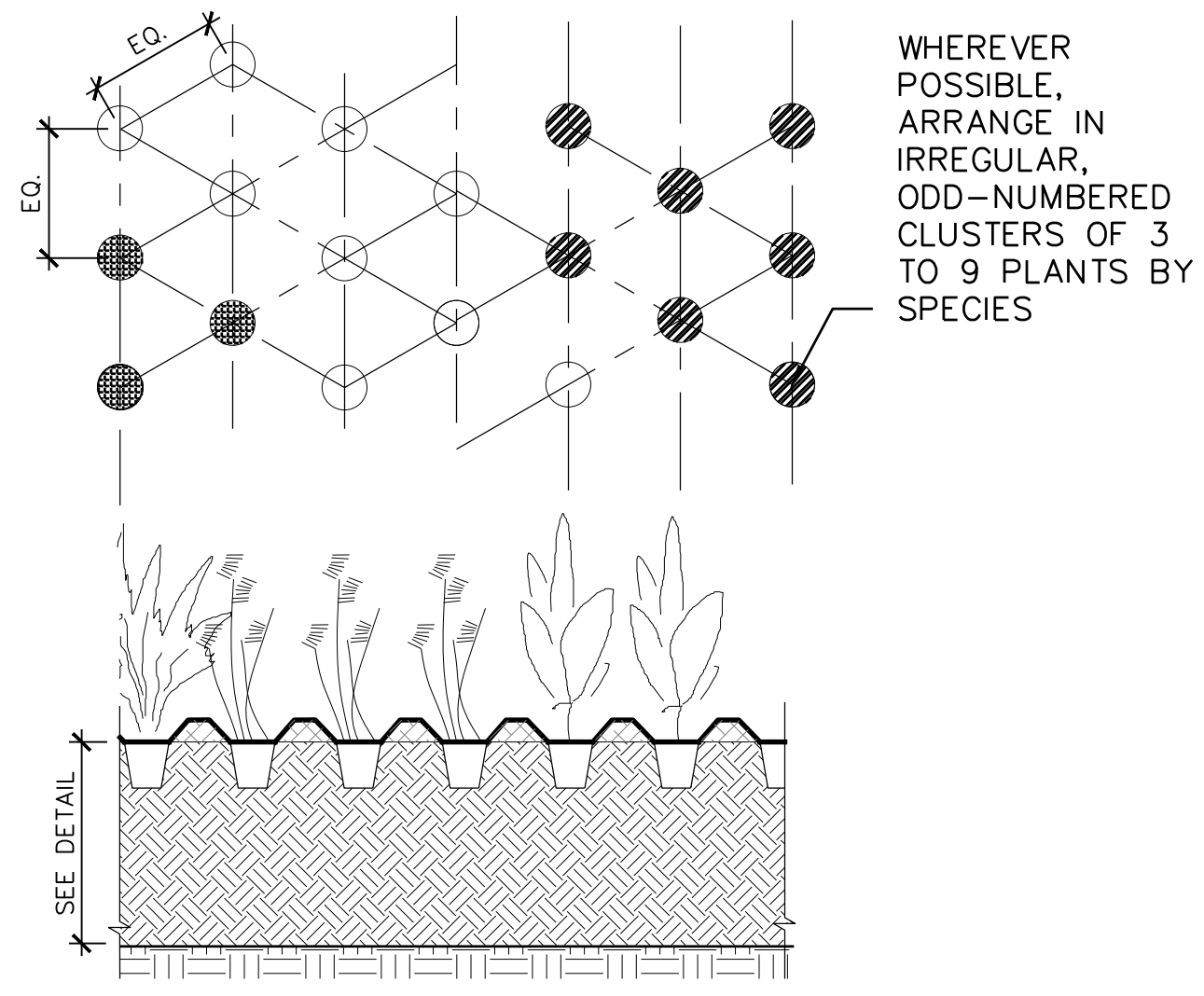
No.	Description	Date

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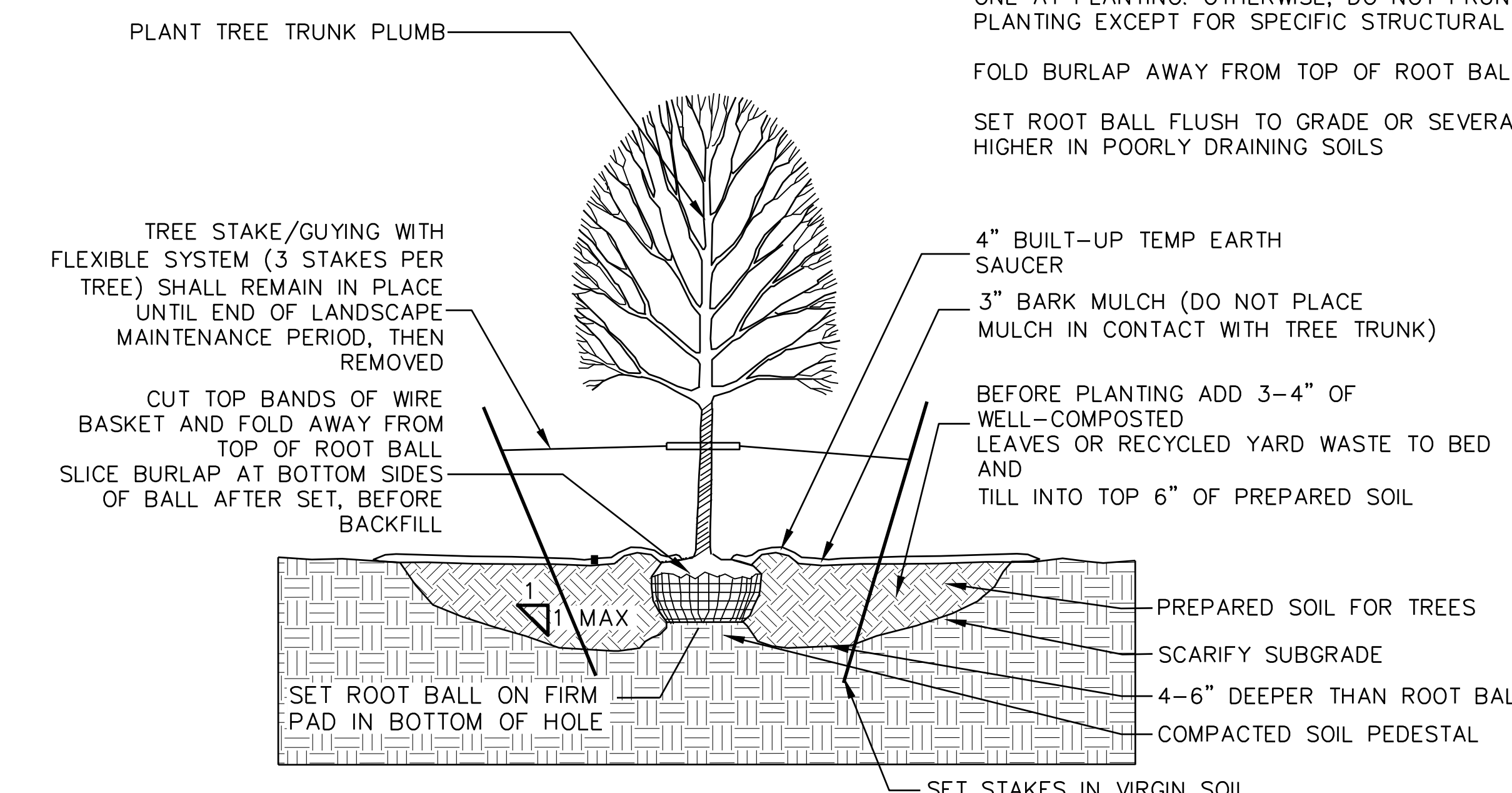
TITLE: LANDSCAPE DETAILS
JOB NUMBER: 20-05
DRAWN BY: NB
CHECKED BY: NB, DS, PF
DATE: 09/08/2021
SCALE: AS NOTED
SHEET NO: 0 1'
L4.3



1 LAWN, TYP. NTS

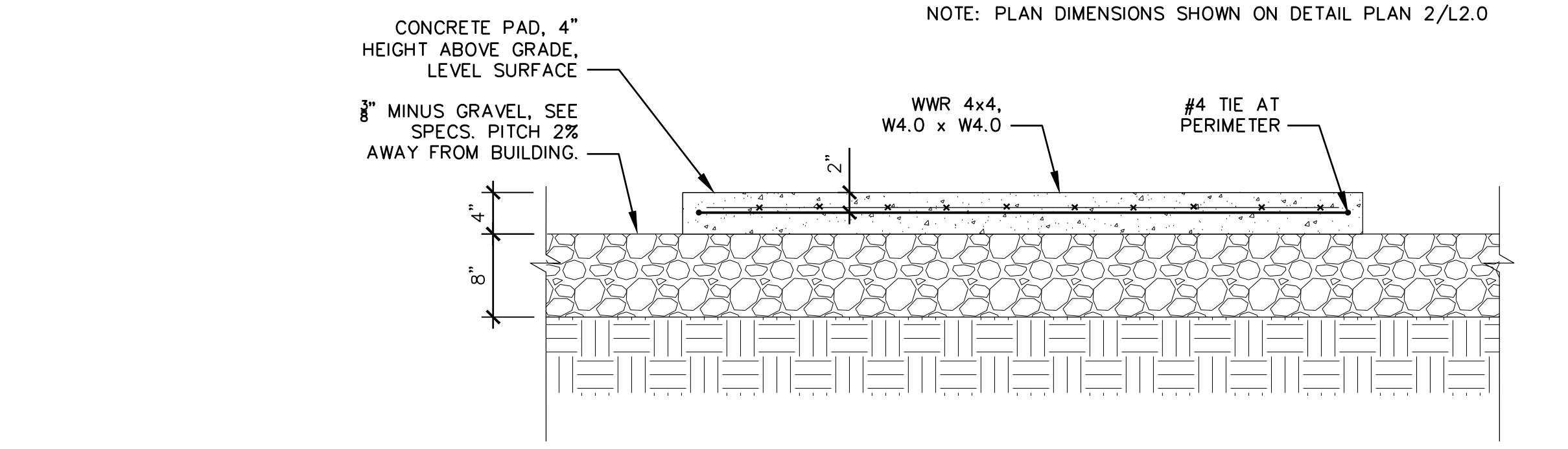


2 GROUNDCOVER MASSING, TYP. NTS

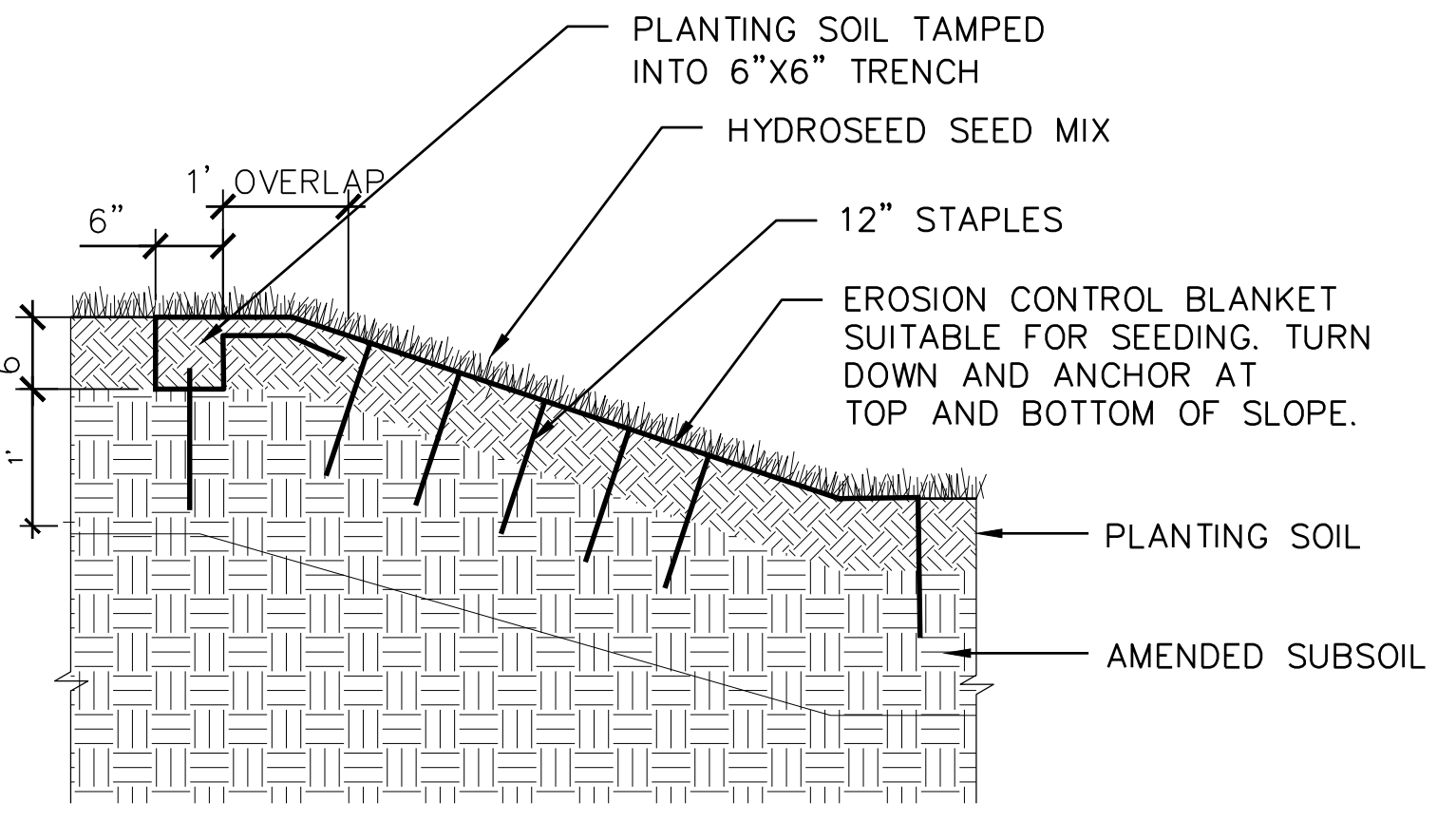


NOTES:
 1. FOR CONTAINER GROWN TREES, USE FINGERS OR SMALL HAND TOOLS TO PULL THE ROOTS OUT OF THE OUTER LAYER OF POTTING SOIL; THEN CUT OR PULL APART ANY ROOTS CIRCLING THE PERIMETER OF THE CONTAINER.
 2. INCORPORATE COMMERCIALY PREPARED MYCORRHIZA SPORES IN THE SOIL IMMEDIATELY AROUND THE ROOT BALL AT RATES SPECIFIED BY THE MANUFACTURER.
 3. THOROUGHLY SOAK THE TREE ROOT BALL AND ADJACENT PREPARED SOIL SEVERAL TIMES DURING THE FIRST MONTH AFTER PLANTING AND REGULARLY THROUGHOUT THE FOLLOWING TWO SUMMERS.
 4. THE PLANTING PROCESS IS SIMILAR FOR DECIDUOUS AND EVERGREEN TREES.

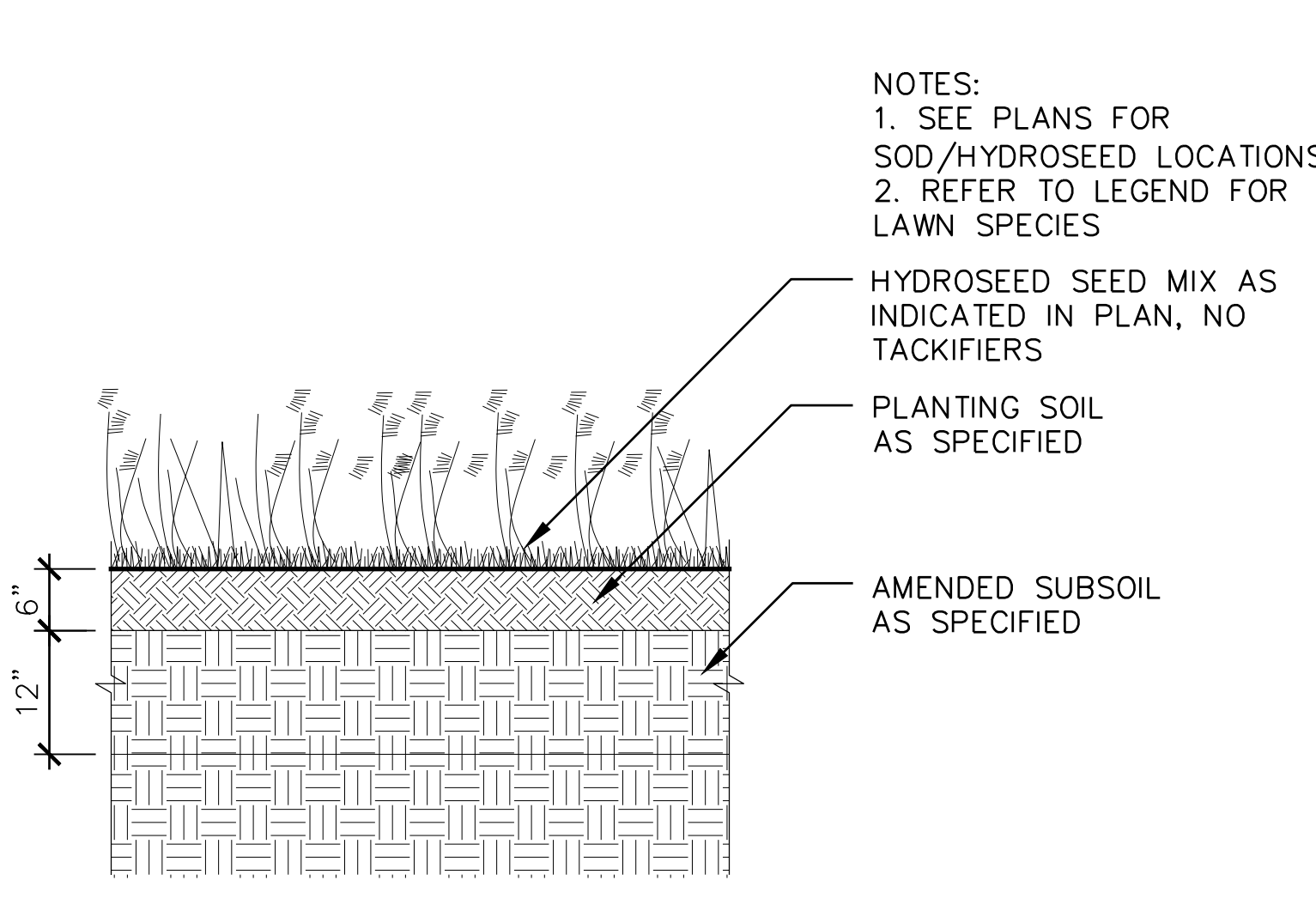
3 TREE PLANTING, TYP. NTS



4 EQUIPMENT PAD, TYP. NTS

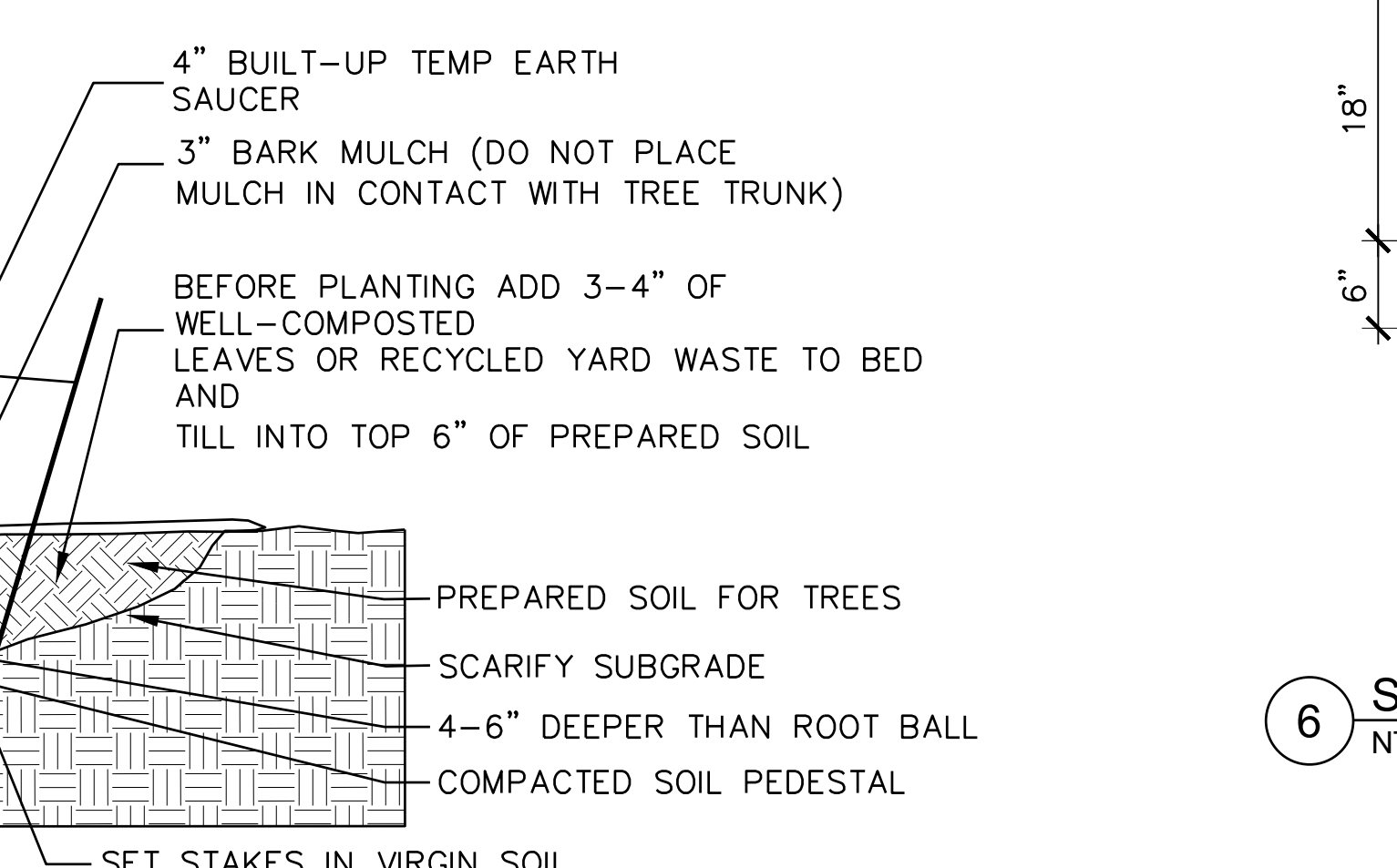


5 HYDROSEED ON SLOPE, TYP. NTS

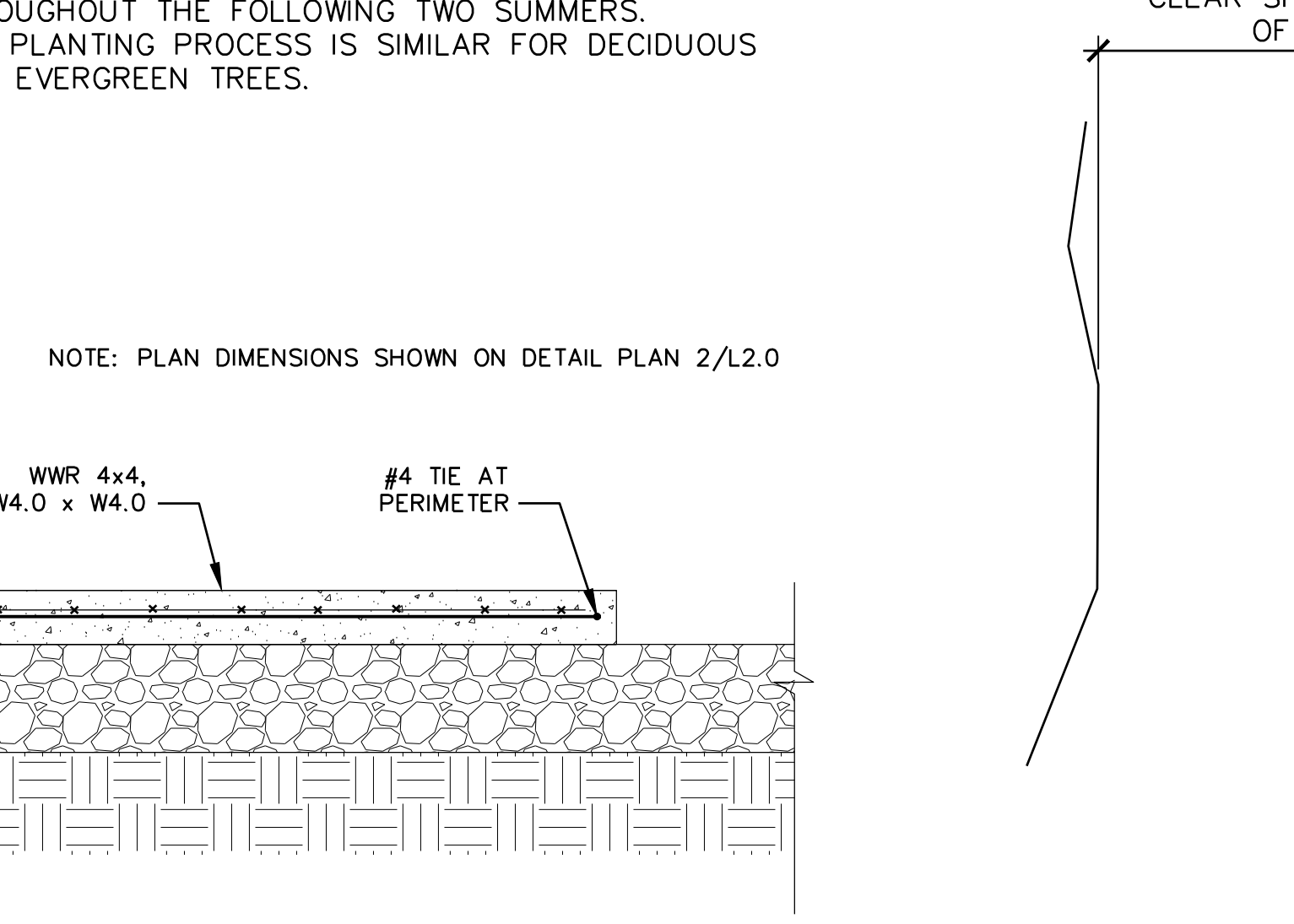


6 FLOWER MEADOW AND SEMI-SHADE SEED MIX, TYP. NTS

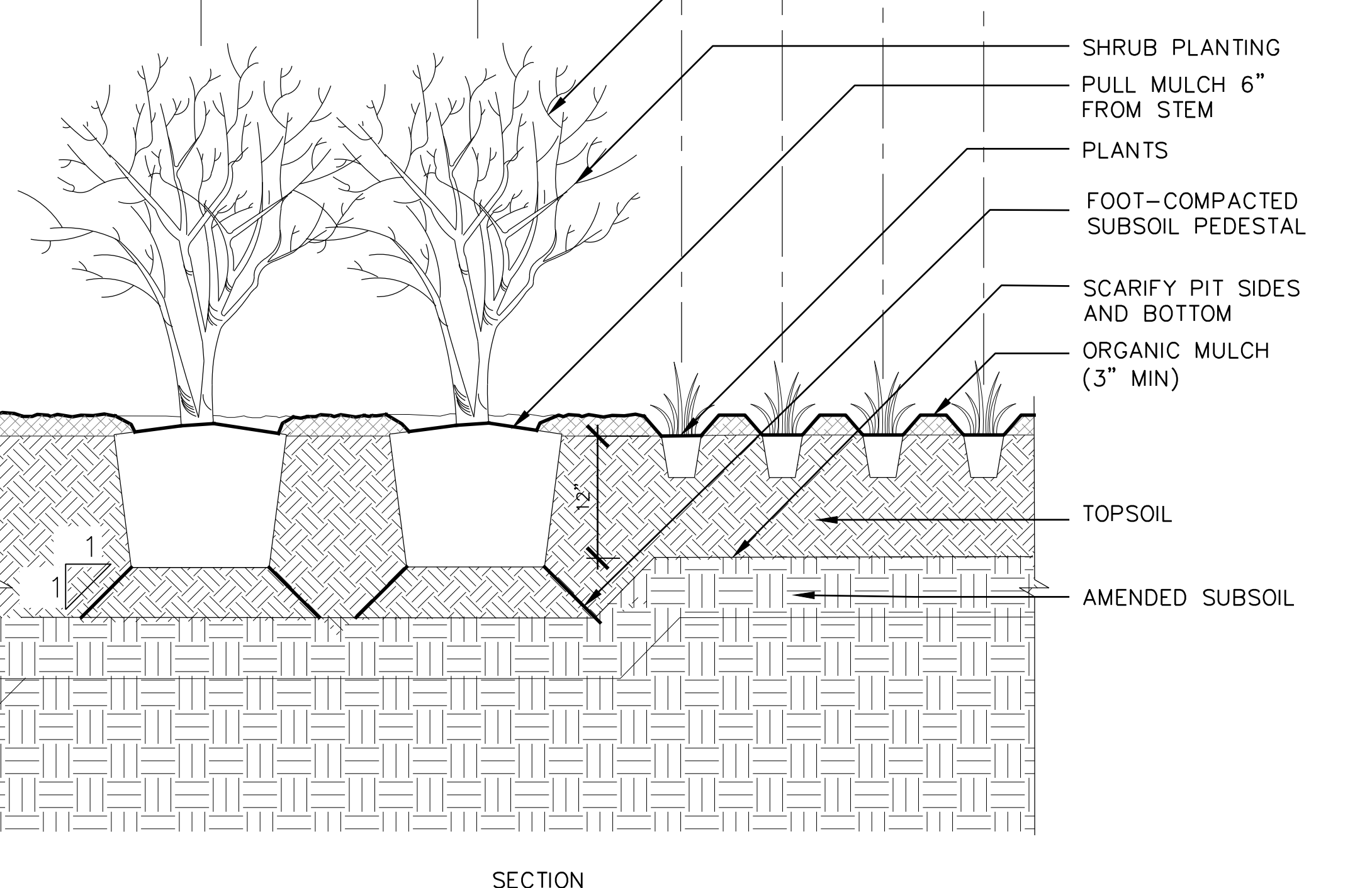
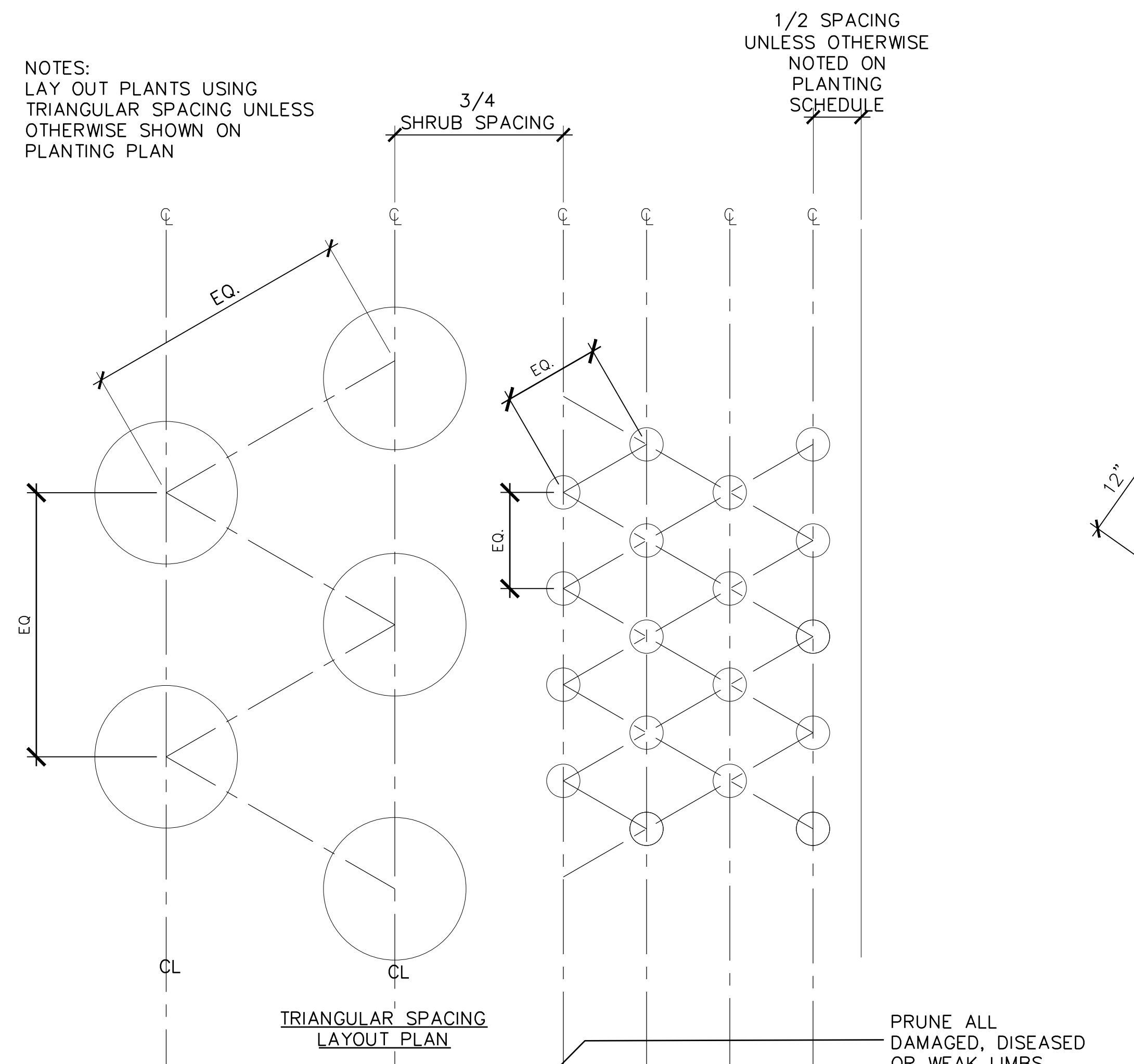
AVOID PURCHASING TREES WITH TWO LEADERS, OR REMOVE ONE AT PLANTING. OTHERWISE, DO NOT PRUNE TREE AT PLANTING EXCEPT FOR SPECIFIC STRUCTURAL CORRECTIONS
 FOLD BURLAP AWAY FROM TOP OF ROOT BALL
 SET ROOT BALL FLUSH TO GRADE OR SEVERAL INCHES HIGHER IN POORLY DRAINING SOILS



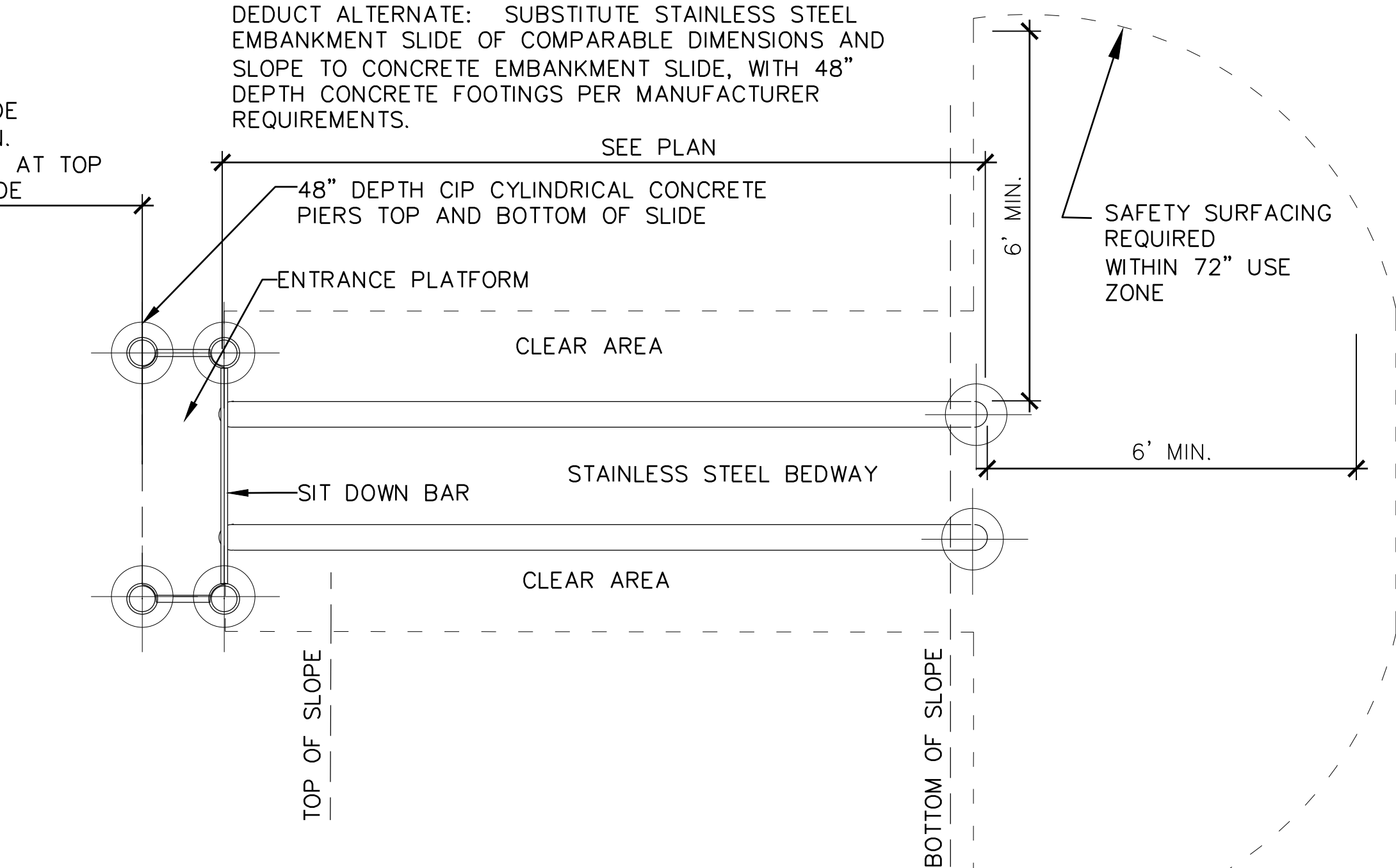
7 SHRUB AND GROUNDCOVER PLANTING, TYP. NTS



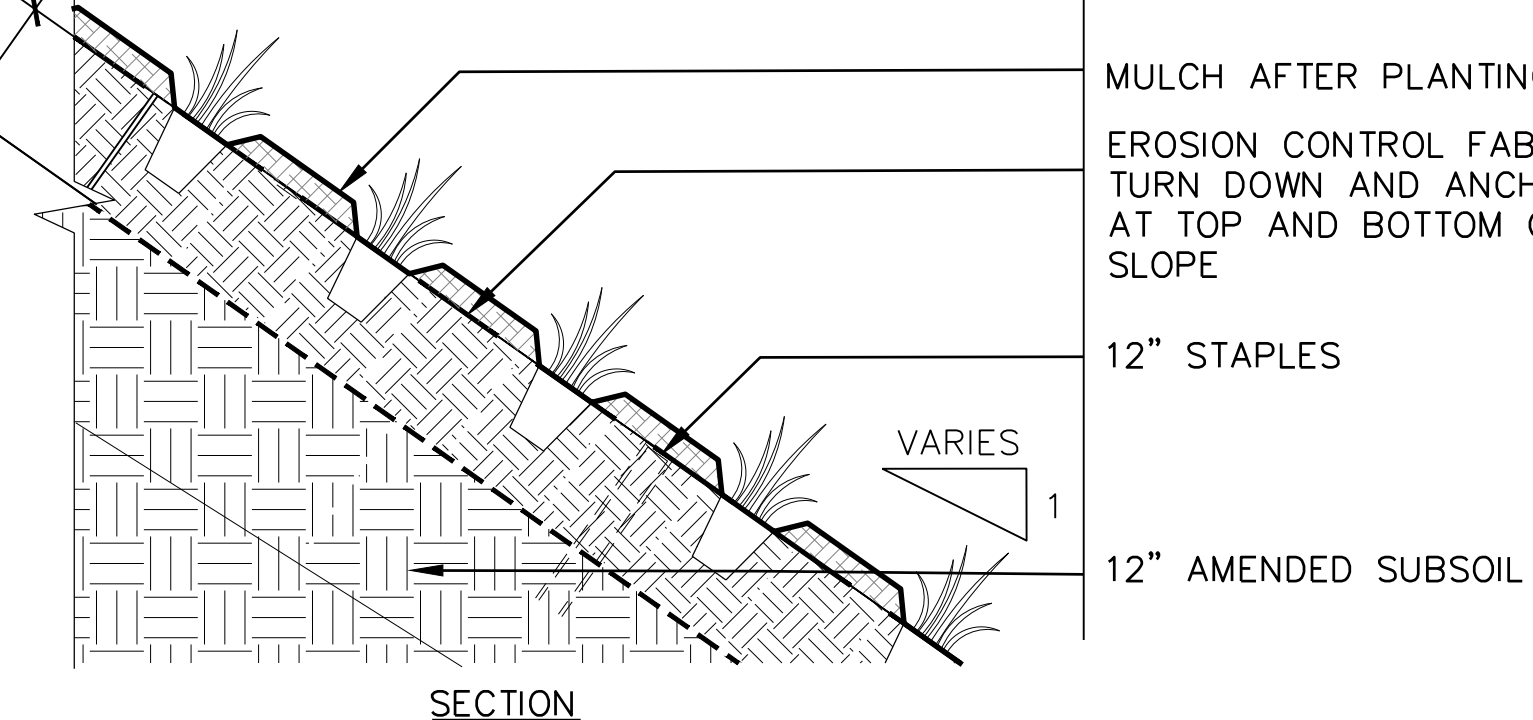
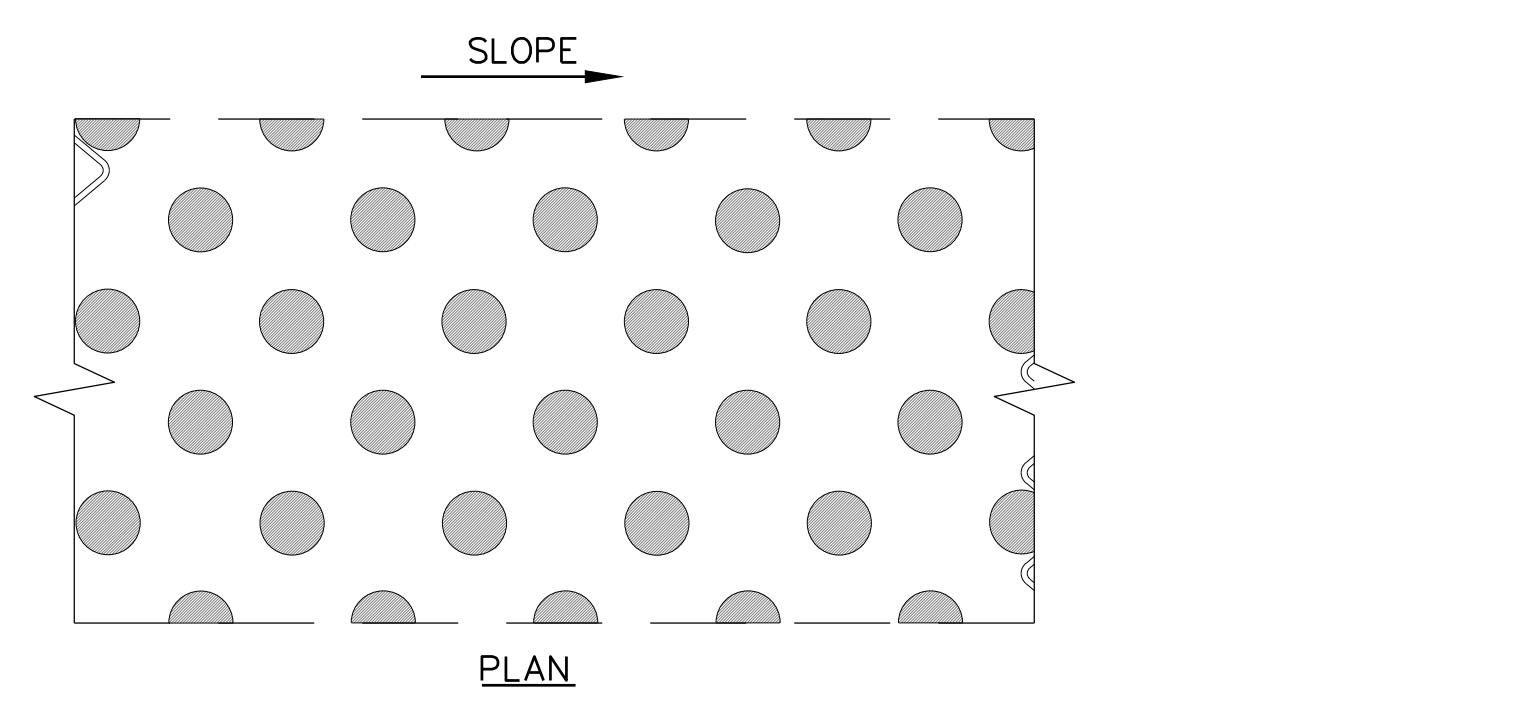
8 DEDUCT ALTERNATE: STAINLESS STEEL EMBANKMENT SLIDE NTS



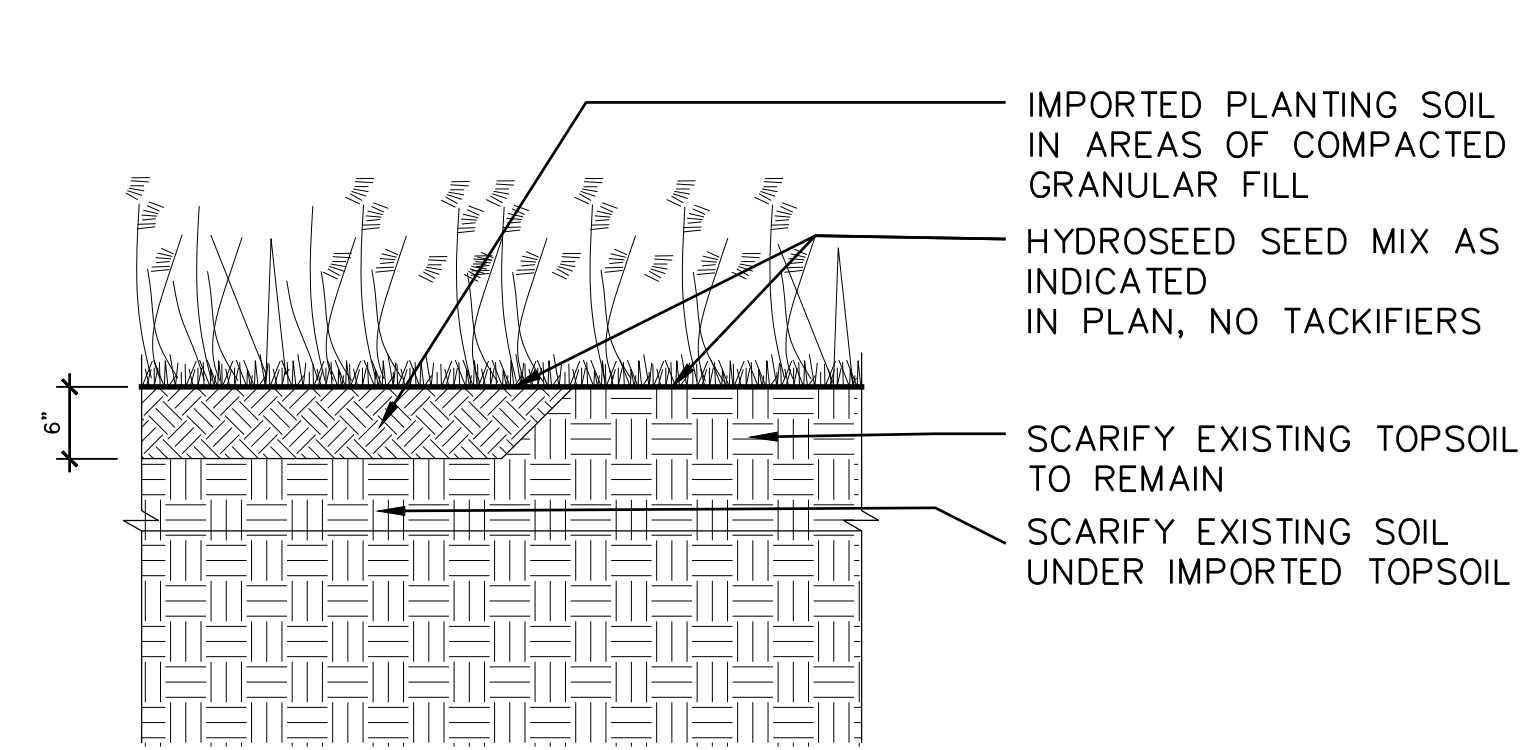
10 WIRE TRELLIS SCALE: NTS



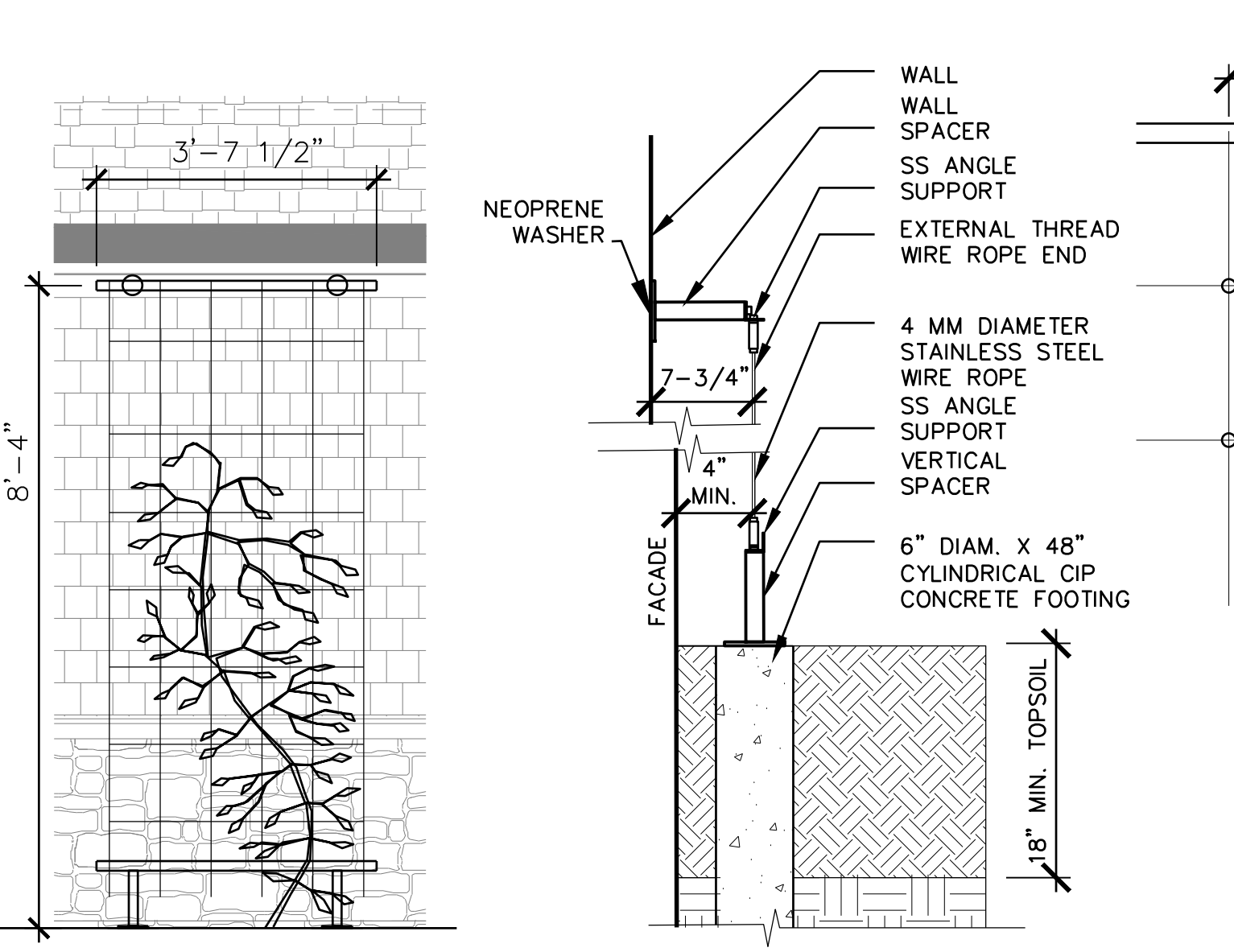
11 EROSION CONTROL AT RETAINING WALL, TYP. SCALE: NTS



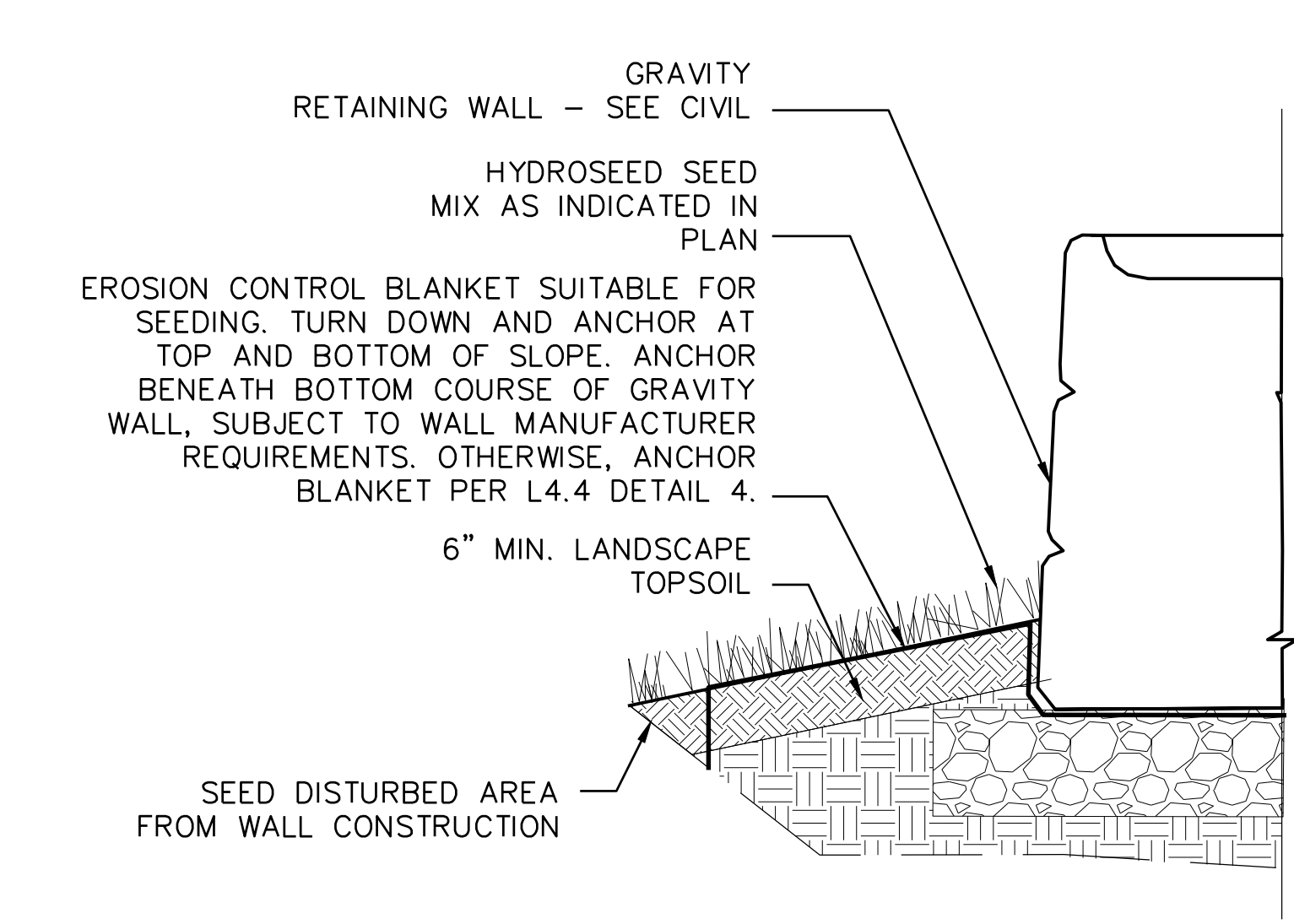
12 PLANTING ON SLOPE NTS



13 SEEDING IN MITIGATION AREA PLANTING NTS



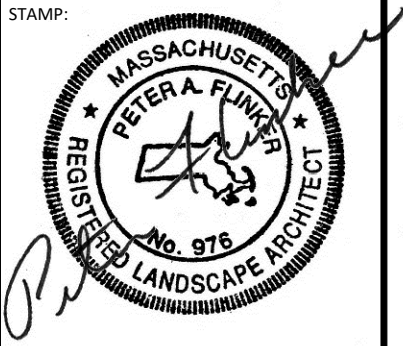
14 EQUIPMENT PAD, TYP. NTS



15 DEDUCT ALTERNATE: STAINLESS STEEL EMBANKMENT SLIDE NTS



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CONSULTANT:
 DODSON & FLINKER
 Landscape Architecture and Planning
 40 Main Street
 Suite 101
 Florence, MA 01062
 www.dodsonflinker.com

No.	Description	Date

UPTON COMMUNITY CENTER
 9 MILFORD STREET, UPTON, MA. 01568
 100% CD - CONFORMANCE SET
 ADDENDA 1-4 INCORPORATED 10/6/2021

TITLE: LANDSCAPE DETAILS
 JOB NUMBER: 20-05
 DRAWN BY: NB
 CHECKED BY: NB, DS, PF
 DATE: 09/08/2021
 SCALE: AS NOTED
 SHEET NO: L4.4



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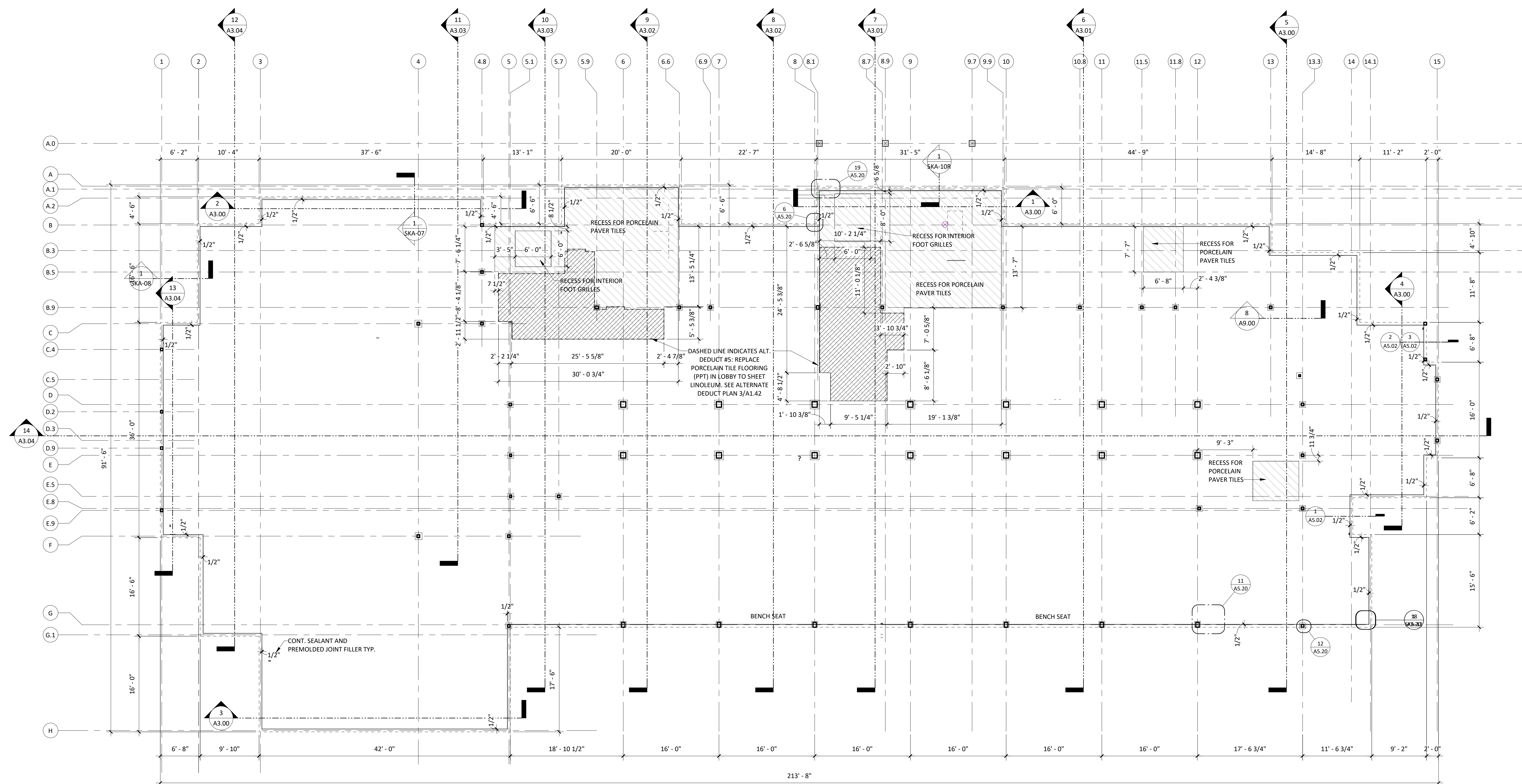
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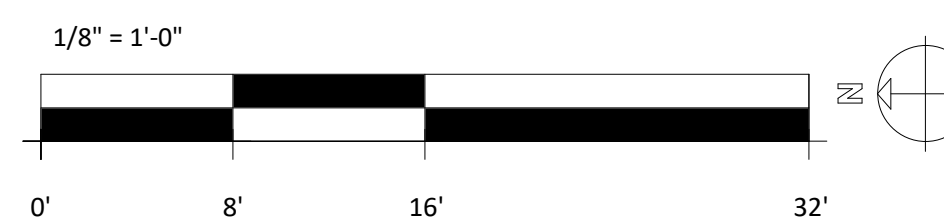
STAMP:

REVISIONS:

No.	Description	Date
1		



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



SLAB GENERAL NOTES:

1. REFER TO STRUCTURAL DRAWINGS FOR GENERAL GUIDELINES AND LOCATIONS OF CONTROL, CONTRACTION, AND ISOLATION JOINTS
2. IN AREAS OF HARD FLOORING AND EPOXY FLOORING ALL JOINTS TO BE SEALED/ FILED W/ ELASTOMERIC FILLER
3. CONT. SEALANT AND 1/2" PREMOLDED JOINT FILLER TYP. @ SLAB PERIMETER

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TITLE:
SLAB PLAN

JOB NUMBER:
20-05

DRAWN BY:
Author

CHECKED BY:
Checker

DATE:
9/8/2021

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

SHEET NO.:

A1.11

10/20/2021 11:05:55 AM

SEE GENERAL NOTE 47 ON G.00 FOR SHEAR WALL LOCATIONS AND CONSTRUCTION

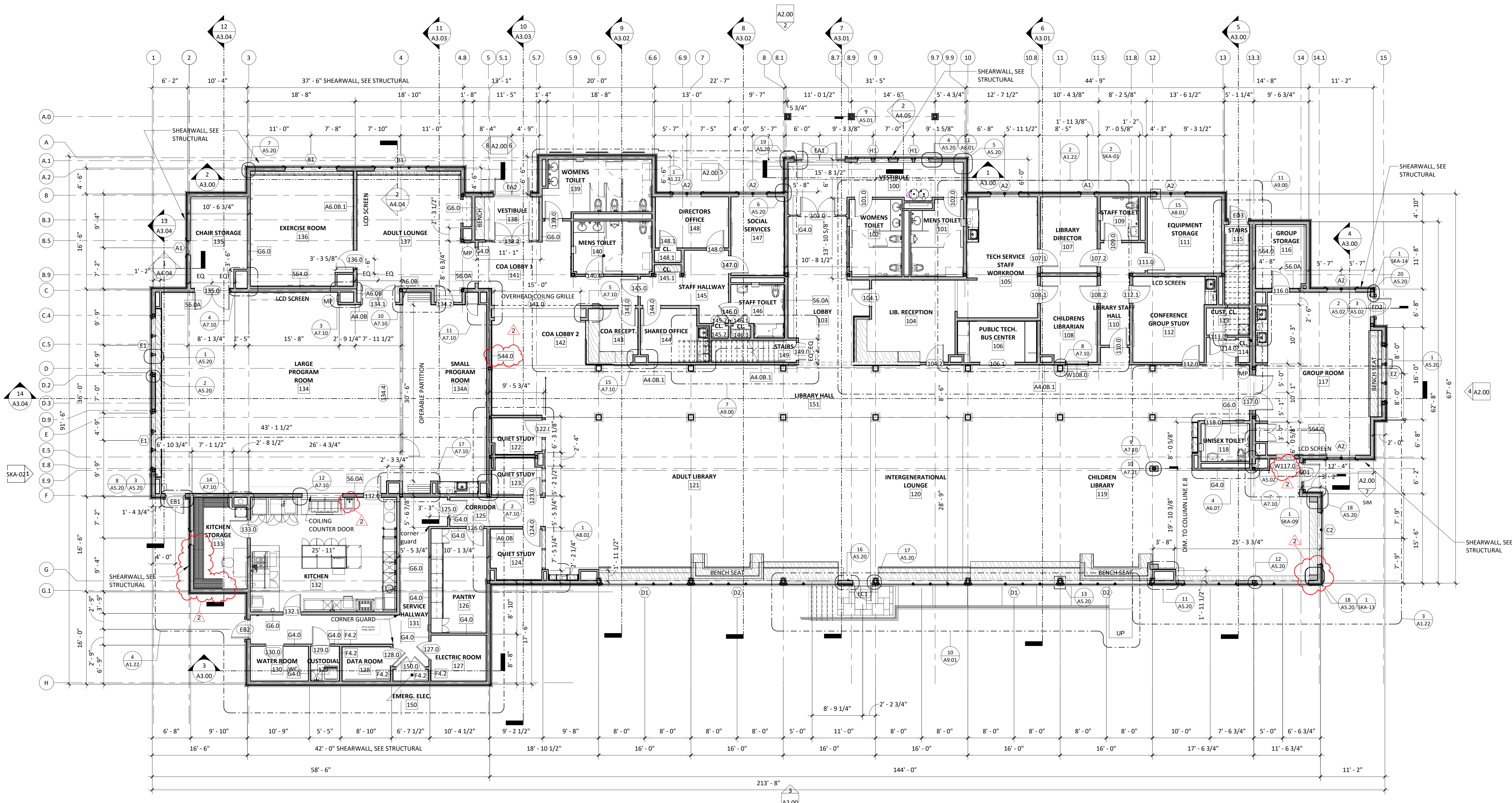


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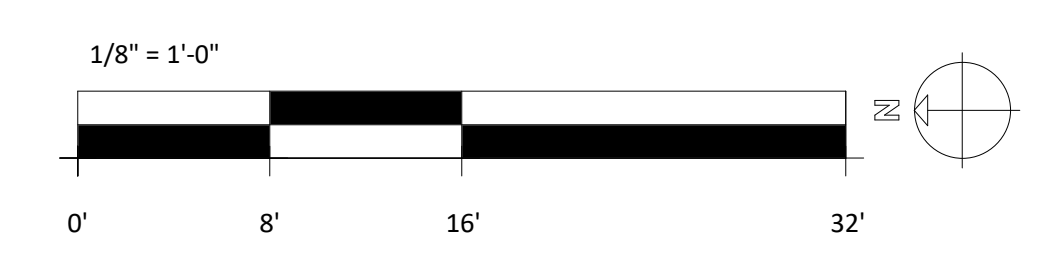
STAMP:

REVISIONS:

No.	Description	Date
2	Addendum 02	9/27/2021
		021



1 FIRST FLOOR PLAN
 1/8" = 1'-0" 14,574 SQFT



- LAYOUT PLANS GENERAL NOTES**
- SEE FINISH FLOOR PLANS FOR ALL INTERIOR ELEVATION TAGS, FLOOR FINISHES, CASEWORK, SPECIALTY EQUIPMENT, AND FIXTURE LOCATIONS.
 - SEE REFLECTED CEILING PLANS FOR ALL CEILING FINISHES.
 - ALL INTERIOR PARTITION DIMENSIONS ON LAYOUT PLANS ARE TO CENTER OF STUD, UNLESS OTHERWISE NOTED.
 - ALL EXTERIOR DIMENSIONS ARE TO FACE OF STUD OR COLUMN LINES.

LAYOUT PLAN SYMBOLS & TAGS

Room Name	ROOM TAG
A6.0	WALL TYPE TAG - SEE DETAIL FOR WALL TYPE MAKEUP; SEE LAYOUT PLANS FOR LOCATIONS
101	DOOR TAG - SEE PROJECT MANUAL FOR DOOR SCHEDULE AND REFERENCES TO DOOR DETAILS
A	EXTERIOR WINDOW TAG - SEE DETAIL FOR WINDOW TYPES; SEE LAYOUT PLANS & EXTERIOR ELEVATIONS FOR LOCATIONS
W100.1 (A)	INTERIOR WINDOW TAG SEE DETAIL FOR WINDOW TYPES & SCHEDULE; SEE LAYOUT PLANS & INTERIOR ELEVATIONS FOR LOCATIONS
DC100.1 (CA)	DISPLAY CASE TAG SEE DETAIL FOR DISPLAY CASE TYPES & SCHEDULE; SEE LAYOUT PLANS & INTERIOR ELEVATIONS FOR LOCATIONS
X	FIRE EXTINGUISHER TAG - SEE FIRE EXTINGUISHER LEGEND FOR SPECIFIC TYPES

UPTON COMMUNITY CENTER
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 100% CD-COMFORMANCE SET ADDENDA 1-4 INCORPORATED 10/6/2021

TITLE:
FIRST FLOOR PLAN

JOB NUMBER:
 20-05

DRAWN BY:
 CL

CHECKED BY:
 BS

DATE:
 9/8/2021

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

SHEET NO.:

SEE GENERAL NOTE 47 ON G.00 FOR SHEAR WALL LOCATIONS AND CONSTRUCTION



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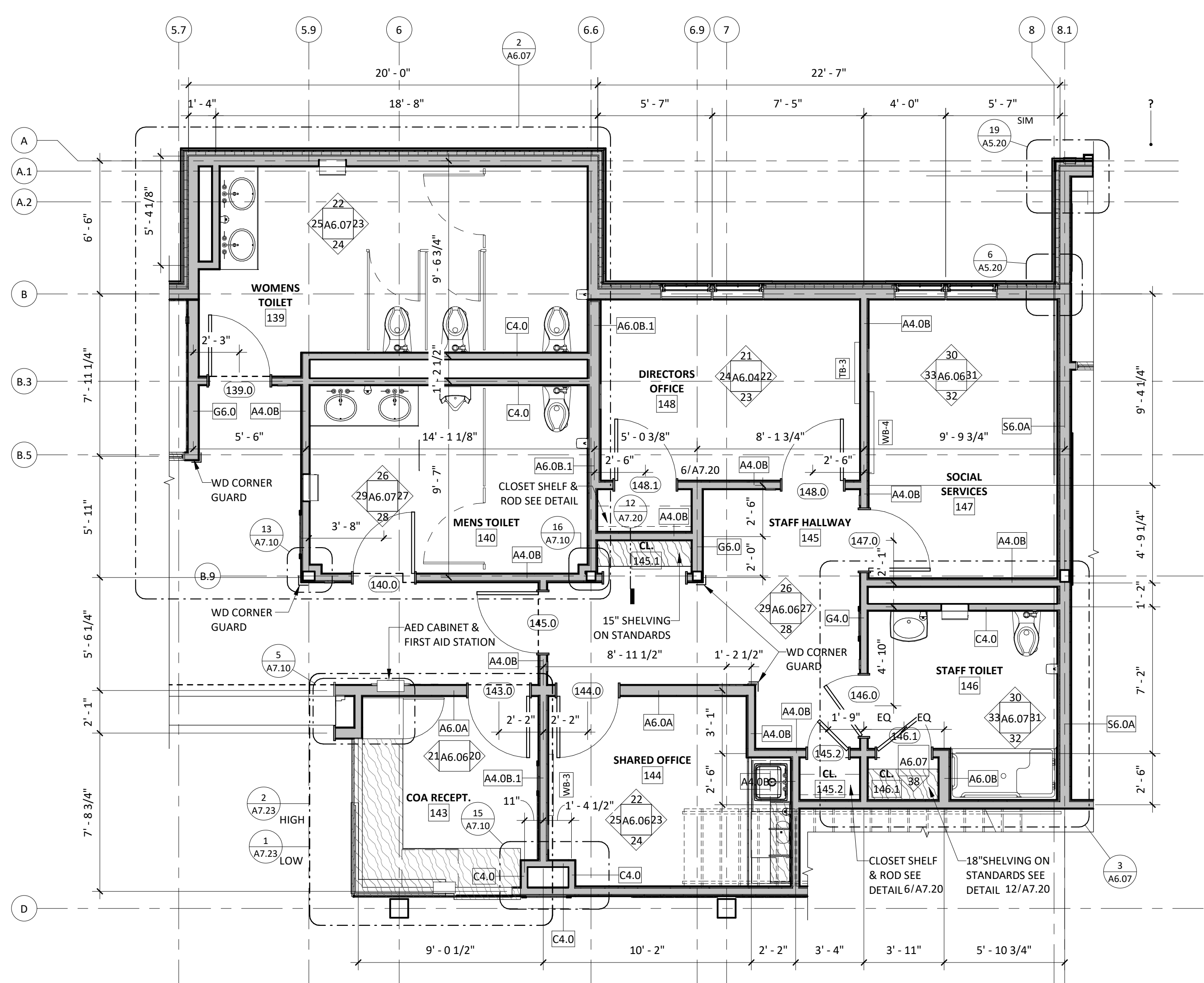
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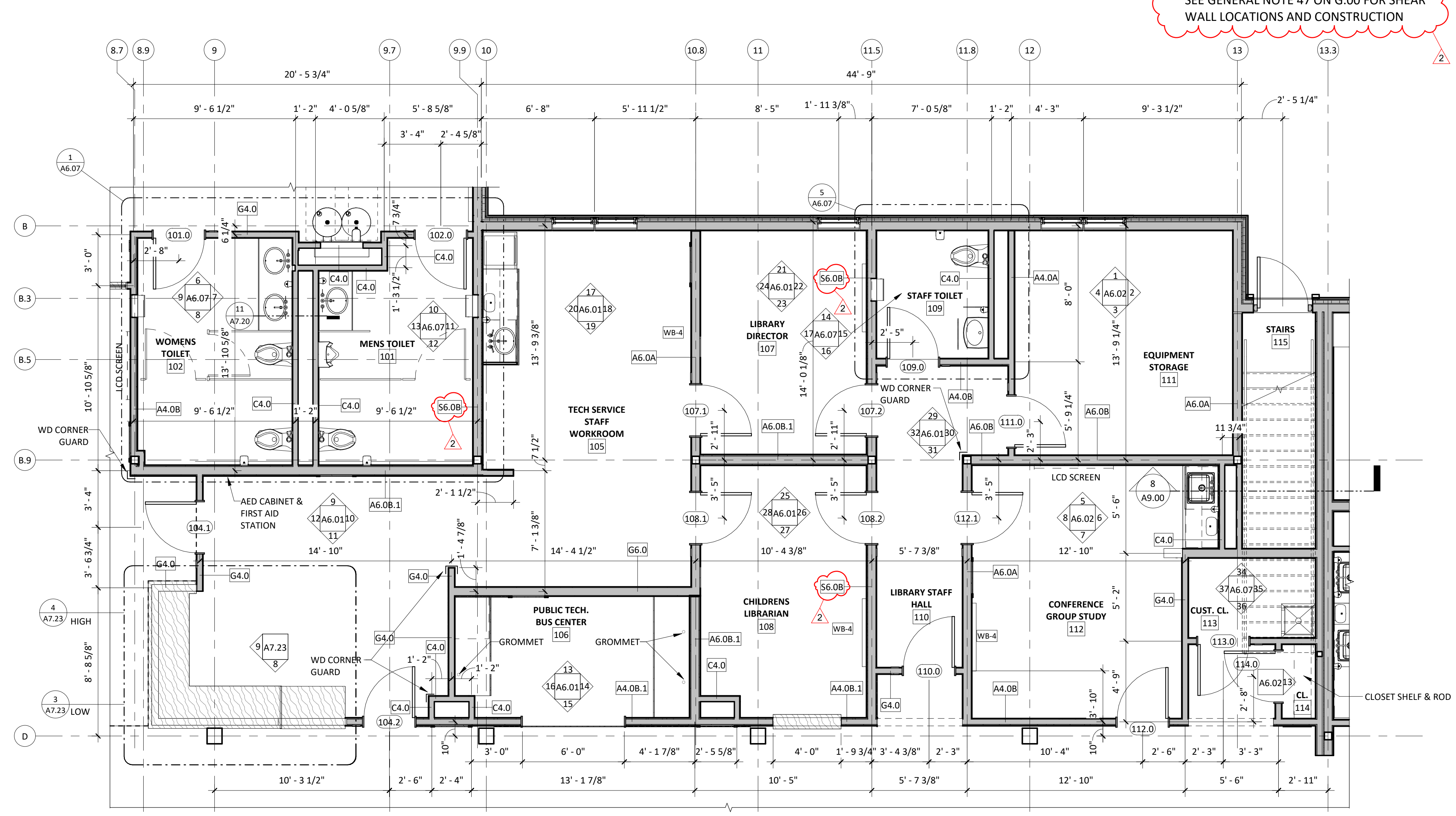
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REVISIONS:

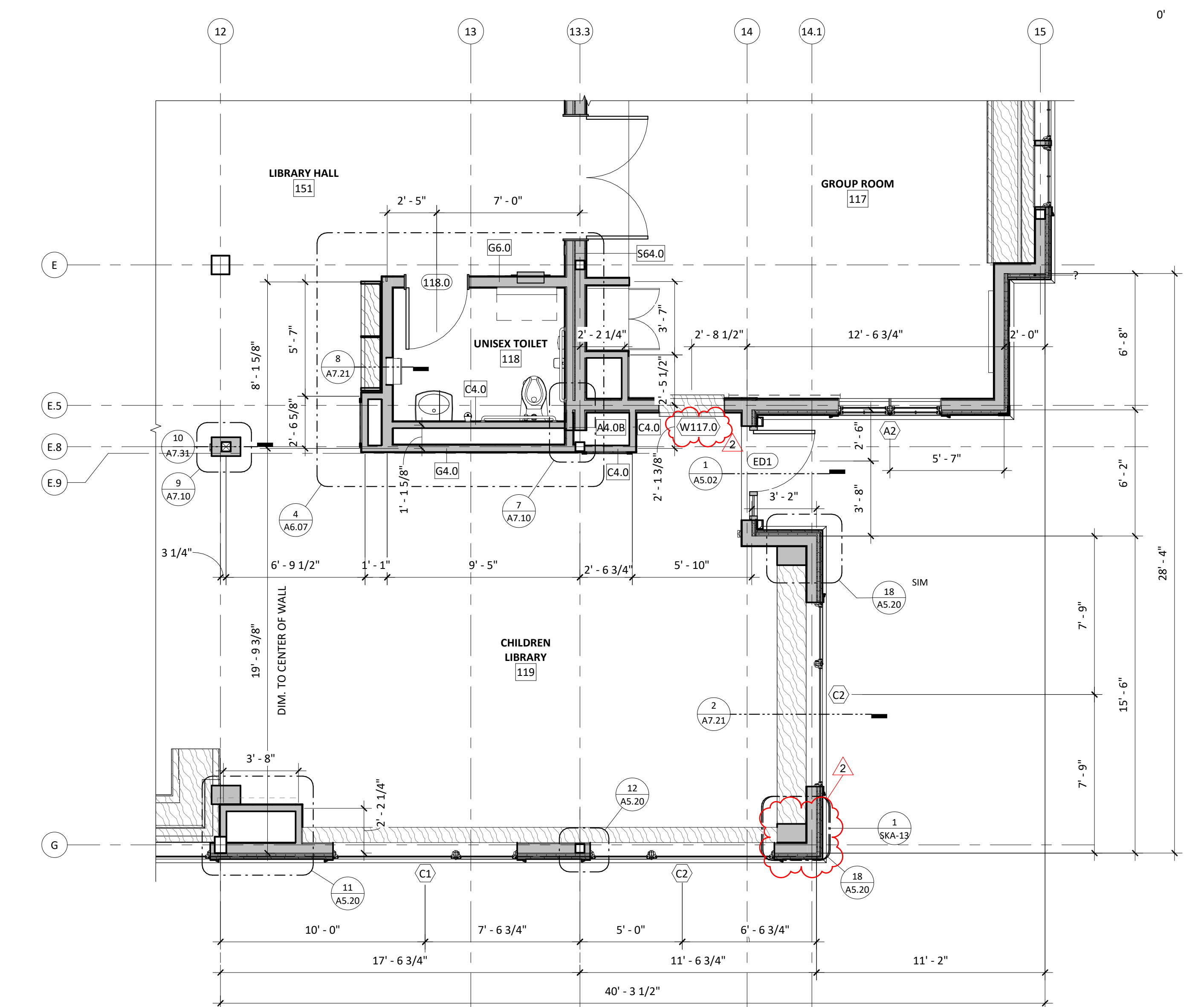
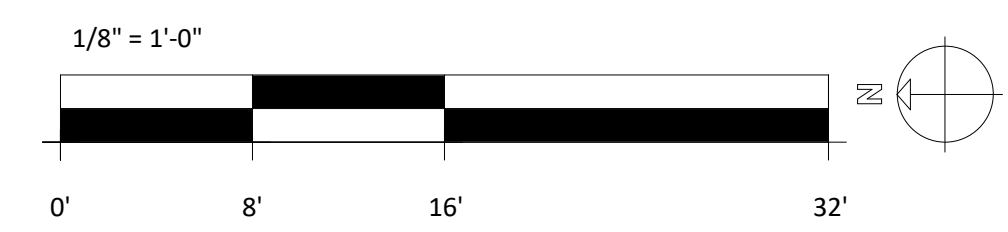
No.	Description	Date
2	Addendum 02	9/27/2021
		021



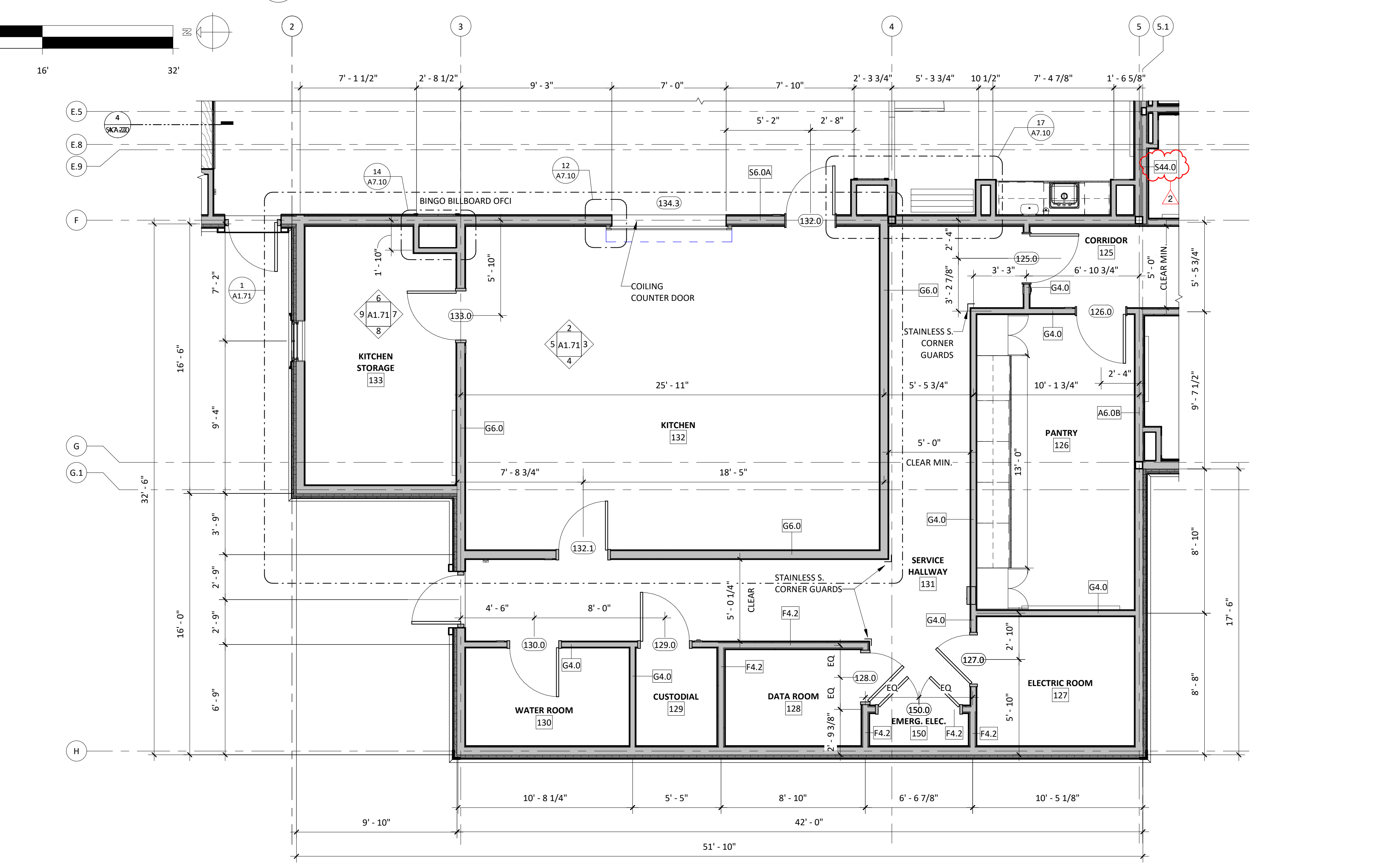
1 ENLARGED PLAN - COA OFFICES
1/4" = 1'-0"



2 ENLARGED PLAN - LIBRARY OFFICES
1/4" = 1'-0"



3 ENLARGED PLAN - CHILDREN LIBRARY
1/4" = 1'-0"



4 ENLARGED PLAN - BACK OF HOUSE
1/4" = 1'-0"

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TITLE:
ENLARGED FLOOR PLANS

JOB NUMBER:
20-05

DRAWN BY:
Author

CHECKED BY:
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DATE:
9/8/2021

SCALE:
As indicated

SHEET NO.:

A1.22

DATE PLOTTED: 10/6/2021 10:58 AM

SEE GENERAL NOTE 47 ON G.00 FOR SHEAR WALL LOCATIONS AND CONSTRUCTION

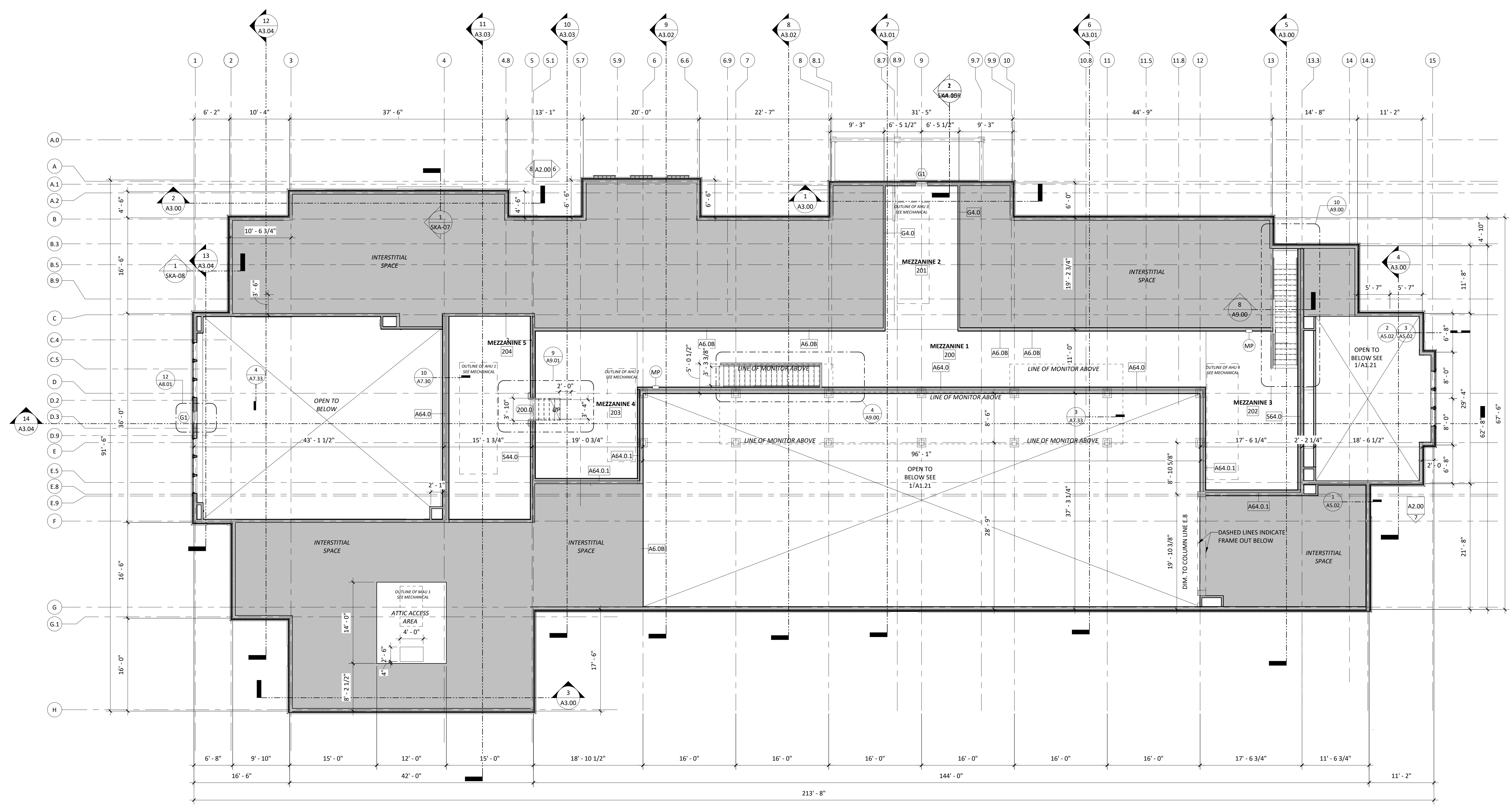


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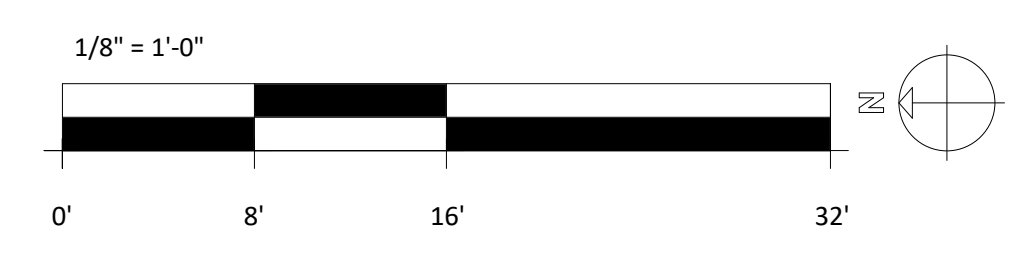
STAMP:

REVISIONS:

No.	Description	Date
2	Addendum 02	9/27/2021
		021



1 MEZZANINE FLOOR PLAN
 1/8" = 1'-0"
 2,561 SQFT



- LAYOUT PLANS GENERAL NOTES**
- SEE FINISH FLOOR PLANS FOR ALL INTERIOR ELEVATION TAGS, FLOOR FINISHES, CASEWORK, SPECIALTY EQUIPMENT, AND FIXTURE LOCATIONS.
 - SEE REFLECTED CEILING PLANS FOR ALL CEILING FINISHES.
 - ALL INTERIOR PARTITION DIMENSIONS ON LAYOUT PLANS ARE TO CENTER OF STUD, UNLESS OTHERWISE NOTED.
 - ALL EXTERIOR DIMENSIONS ARE TO FACE OF STUD OR COLUMN LINES.

LAYOUT PLAN SYMBOLS & TAGS

Room Name	ROOM TAG
101	ROOM TAG
A6.0	WALL TYPE TAG - SEE DETAIL FOR WALL TYPE MAKEUP; SEE LAYOUT PLANS FOR LOCATIONS
101	DOOR TAG - SEE PROJECT MANUAL FOR DOOR SCHEDULE AND REFERENCES TO DOOR DETAILS
A	EXTERIOR WINDOW TAG - SEE DETAIL FOR WINDOW TYPES & SCHEDULE; SEE LAYOUT PLANS & INTERIOR ELEVATIONS FOR LOCATIONS
(W100.1) (A)	INTERIOR WINDOW TAG SEE DETAIL FOR WINDOW TYPES & SCHEDULE; SEE LAYOUT PLANS & INTERIOR ELEVATIONS FOR LOCATIONS
(DC100.1) (CA)	DISPLAY CASE TAG SEE DETAIL FOR DISPLAY CASE TYPES & SCHEDULE; SEE LAYOUT PLANS & INTERIOR ELEVATIONS FOR LOCATIONS
X	FIRE EXTINGUISHER TAG - SEE FIRE EXTINGUISHER LEGEND FOR SPECIFIC TYPES

UPTON COMMUNITY CENTER
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TITLE:
MEZZANINE FLOOR PLAN

JOB NUMBER:
 20-05

DRAWN BY:
 CL

CHECKED BY:
 BS

DATE:
 9/8/2021

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

SHEET NO:
A1.23

INTERIOR FINISH TYPE LEGEND

WALL:

CWT: CERAMIC WALL TILE
AWP: FIXED SOUND-ABSORPTIVE PANEL
GWB TYPE X, P: PAINTED MOISTURE REISTANT GYPSUM WALL BOARD
GWB P: PAINTED GYPSUM WALL BOARD
IRWC: IMPACT RESISTANT WALL COVERING
PLYWD P: PAINTED PLYWOOD
PWT-01: 12"X24" PORCELAIN WALL TILE
TB: TACK BOARD
TSU: TACK SURFACE
SLW: SHEET LINOLEUM WALL SURFACE
SS: SOLID SURFACE
WB: WHITE BOARD
WD CHAIR RAIL: WOOD CHAIR RAIL
WD PANEL: WOOD PANELS

BASE:

PWT-B: PORCELAIN TILE BASE
RSN: RESINOUS BASE
RB: RESILIENT BASE
WD-B: WOOD BASE
FLOOR:
CPT: CARPET TILE
IFG : INTERIOR FOOT GRILLES
PC: PAINTED CONCRETE
PPT: PORCELAIN PAVER TILE
RF: RESINOUS FLOORING
RTM: RECESSED ENTRANCE MATS
RT: RUBBER TREAD
SC: SEALED CONCRETE
SL: SHEET LINOLEUM
VCT: VINYL COMPOSITE TILE

CEILING:

ACT-1: 24"X24" ACOUSTIC CEILING TILE
ACT-2: 12"X24" ACOUSTIC CEILING TILE
ACT-3: ACOUSTIC CEILING TILE MICRO
EXP-STRUC: EXPOSED STRUCTURE
GBC: GYPSUM BOARD CEILING
WD: WOOD CEILING PANEL
WFC: WOOD FIBER CEILING

Table with columns: ROOM NUMBER, ROOM NAME, FLOOR, BASE, WALLS - NORTH, WALLS - EAST, WALLS - SOUTH, WALLS - WEST, TACK, PLASTIC LAMINATE, CEILING FINISH, COMMENT S. Contains room schedule data for 1ST FLOOR and LOWER MEZZANINE.

FINISH PLANS GENERAL NOTES

- 1. ALL COLORS SUBJECT TO CHANGE BASED ON ARCHITECT'S AND OWNER'S FINAL REVIEW
2. SEE WALL SECTIONS FOR MAKEUP OF ALL EXTERIOR WALLS
3. ALL DIMENSIONS ON FINISH FLOOR PLANS ARE TO FINISH FACE OF WALL
4. ALL FINISHES TO CONTINUE UNDERNEATH ALL CASEWORK AND BUILT IN MILLWORK.
5. FINISH SCHEDULE DESIGNATES FUTURE PAINT COLOR WITH AN "X" AND WILL BE COORDINATED WITH THE COLOR LEGEND ON A1.42 ONCE FINAL COLORS ARE SELECTED.
6. REFER TO FINISH SCHEDULE AND INTERIOR ELEVATIONS FOR APPLIED WALL FINISHES INCLUDING: PAINT (P), CERAMIC & PORCELAIN WALL TILE (CWT & PWT), PLYWOOD, IMPACT RESISTANT WALL COVERINGS (IRWC)
7. AT ALL CERAMIC AND PORCELAIN WALL TILE FINISH LOCATIONS (CWT AND PWT AS NOTED ON FINISH SCHEDULE AND INTERIOR ELEVATIONS) PROVIDE 5/8" CEMENTITIOUS BACKER BOARD IN LEIU OF GWB BOARD; AT WALL TYPES WITH MULTIPLE LAYERS OF GYPSUM BOARD ONLY REPLACE LAST LAYER OF GYPSUM BOARD WITH REQUIRED BACKER. TILE FILE-SUB BID TO PROVIDE AND INSTALL BACKER BOARD. REFER TO SPECIFICATIONS. PROVIDE BLOCKING AS REQUIRED.
8. AT ALL PLYWOOD FINISH LOCATIONS (AS NOTED ON FINISH SCHEDULE AND INTERIOR ELEVATIONS) PROVIDE 3/4" PLYWOOD FROM FLOOR TO CEILING. PLYWOOD SHALL BE FIRE RETARDANT; BOTH SIDES AND ALL EDGES TO BE PAINTED WITH 2 COATS OF WHITE PAINT. WALLS ON WHICH PLYWOOD IS MOUNTED TO SHALL RETAIN FIRE RATING PER WALL SCHEDULE. REFER TO SPECIFICATIONS. PROVIDE BLOCKING AS REQUIRED.
9. AT ALL IMPACT RESISTANT WALL COVERING FINISH LOCATIONS (IRWC AS NOTED ON FINISH SCHEDULE AND INTERIOR ELEVATIONS) PROVIDE WALL PER SCHEDULE, AND BLOCKING AS REQUIRED.



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STAMP:

REVISIONS:

Table with columns: No., Description, Date. Contains revision entries for Description 2, Addendum 02, and Date 9/27/2021.

UPTON COMMUNITY CENTER
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100% CD-COMFORMANCE SET ADDENDA 1-4 INCORPORATED 10/6/2021

TITLE:
FIRST FLOOR
FINISH
SCHEDULE

Table with project details: JOB NUMBER: 20-05, DRAWN BY: TP, CHECKED BY: BS, LT, PT, DATE: 9/8/2021, SCALE: 1/8" = 1'-0", SHEET NO.: A1.41



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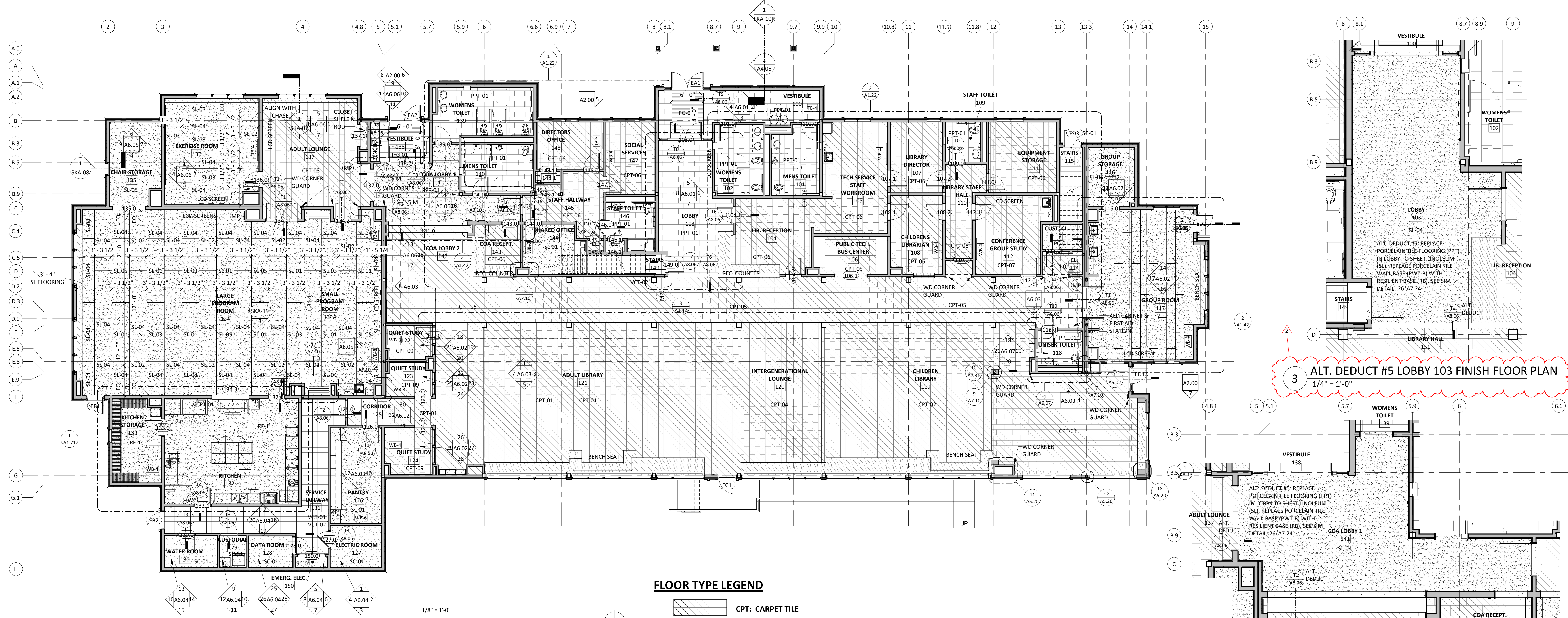
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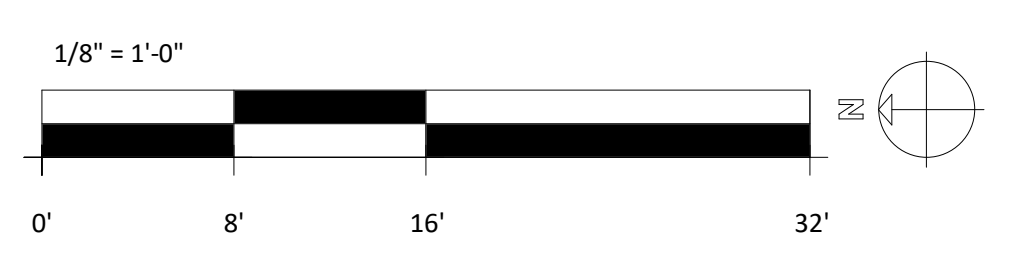
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STAMP:

No.	Description	Date
2	Addendum	9/27/20
02		021
4	Addendum	9/4/20
04		21



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



FLOOR TYPE LEGEND

[Pattern]	CPT: CARPET TILE
[Pattern]	SL: SHEET LINOLEUM FLOORING
[Pattern]	VCT: VINYL COMPOSITE TILE
[Pattern]	PPT: PORCELAIN PAVER TILE
[Pattern]	RF: RESINOUS FLOORING
[Pattern]	IFG: INTERIOR FLOOR GRILLES
[Pattern]	SC: SEALED CONCRETE
[Pattern]	PC: PAINTED CONCRETE

3 ALT. DEDUCT #5 LOBBY 103 FINISH FLOOR PLAN
1/4" = 1'-0"

4 ALT. DEDUCT #5 COA LOBBY 141 FINISH FLOOR PLAN
1/4" = 1'-0"

* ALL PRODUCTS AND COLORS ARE BASIS OF DESIGN AND ARE SUBJECT TO CHANGE BASED ON THE ARCHITECTS AND OWNERS FINAL REVIEW.

INTERIOR FINISH LEGEND - COLORS

WALL:
CERAMIC WALL TILE (CWT):
 BASIS OF DESIGN: DALITILE; COLOR WHEEL COLLECTION - COLOR WHEEL CLASSIC
 CWT-01: ARCHITECTURAL GRAY 0109
 CWT-02: WHITE 0100

PORCELAIN WALL TILE (PWT):
 BASIS OF DESIGN: CROSSVILLE; PORTUGAL
 PWT-01: VENHO VERDE UPS

FIXED SOUND-ABSORPTIVE PANEL (AWP):
 BASIS OF DESIGN: HOMOASOTE
 AWP-1: DESIGN WALL INTERIOR PANELS; GREY MIX
 AWP-2: BURLAP PANELS

IMPACT RESISTANT WALL COVERING (IRWC):
 BASIS OF DESIGN: MARLITE STANDARD FRP PANELS
 IRWC-01: WHITE, SMOOTH

LINOLEUM SHEET WALL COVERING (SLW):
 BASIS OF DESIGN: FORBO, MARMOLEUM
 SL-06: TBD
 SL-07: TBD

PAINT (P):
 BASIS OF DESIGN: BENJAMIN MOORE
 P-01: WHITE ORCHARD 1555
 P-02: FIELDSTONE 1558
 P-03: KEY LIME 2031-50
 P-04: NEON CLELERY 2031-60

PLASTIC LAMINATE (PLAM):
 BASIS OF DESIGN: ARBORITE
 PLAM-01: P404CA CHAMBRAY VERT
 PLAM-02: P399CA CHAMBRAY GRIS

SOLID SURFACES (SS):
 BASIS OF DESIGN: FORMICA DESIGNER SERIES
 SS-01: BIANCO MINERAL 758

TACKBOARD (TB, TST, TSU):
 BASIS OF DESIGN: KOROSEAL; WALLTALKERS TAC-WALL
 TSU-01: HARBOR

BASE:
PORCELAIN TILE BASE (PWT-B):
 BASIS OF DESIGN: CROSSVILLE; PORTUGAL
 PWT-B: TINTA NEGRA EXT

RESILIENT BASE (RB):
 BASIS OF DESIGN: TARKETT; DURACOVE
 RB-01: 282 VAPORIZER

RESINOUS BASE (RSN):
 BASIS OF DESIGN: STONHARD; STONESHIELD
 RSN-01: TBD

FLOOR:
CARPET TILE (C):
 BASIS OF DESIGN: SHAW CONTRACT GROUP; VERTICAL LAYERS AND THE PARK

CPT-01: TINGE 5T156- 56516 BURNISHED PEWTER/ UNDERTONE 5T157-57535 PLASTER

CPT-02: TINGE 5T156-56536 PATINA STEEL/UNDERTONE 5T157-57535 PLASTER

CPT-03: DRIFT 5T142-38326 SPROUT/TINGE 5T156-56536 PATINA STEEL

CPT-04: UNDERTONE 5T157-57535 PLASTER

CPT-05: UNDERTONE 5T157-57515 PAST

CPT-06: UNDERTONE 5T157-57515 PAST/UNDERTONE 5T157-57535 PLASTER

FLOOR CONT.:
CPT-07: 56516 BURNISHED PEWTER/ TINGE 5T156-56536 PATINA STEEL/UNDERTONE 5T157-57535 PASTER/ UNDERTONE 5T157-57515 PAST

CPT-08: TINGE 5T156- 56516 BURNISHED PEWTER/ UNDERTONE 5T157-57535 PASTER/ UNDERTONE 5T157-57515 PAST

CPT-09: TINGE 5T156- 56516 BURNISHED PEWTER

INTERIOR ENTRANCE FLOOR GRILLES (IFG):
 BASIS OF DESIGN: CONSTRUCTION SPECIALTIES; PEDIGRID G1
 IFG-01: TBD
 IFG-02: TBD

LINOLEUM SHEET FLOORING (SL):
 BASIS OF DESIGN: FORBO, MARMOLEUM
 SL-01: TBD
 SL-02: TBD
 SL-03: FRESCO 3861 ARABIAN PEARL
 SL-04: REAL 3120 ROSATO
 SL-05: REAL 3232 HORSE ROAN

PORCELAIN PAVER TILE (PPT):
 BASIS OF DESIGN: CROSSVILLE; PORTUGAL
 PPT-01: TINTA NEGRA EXT

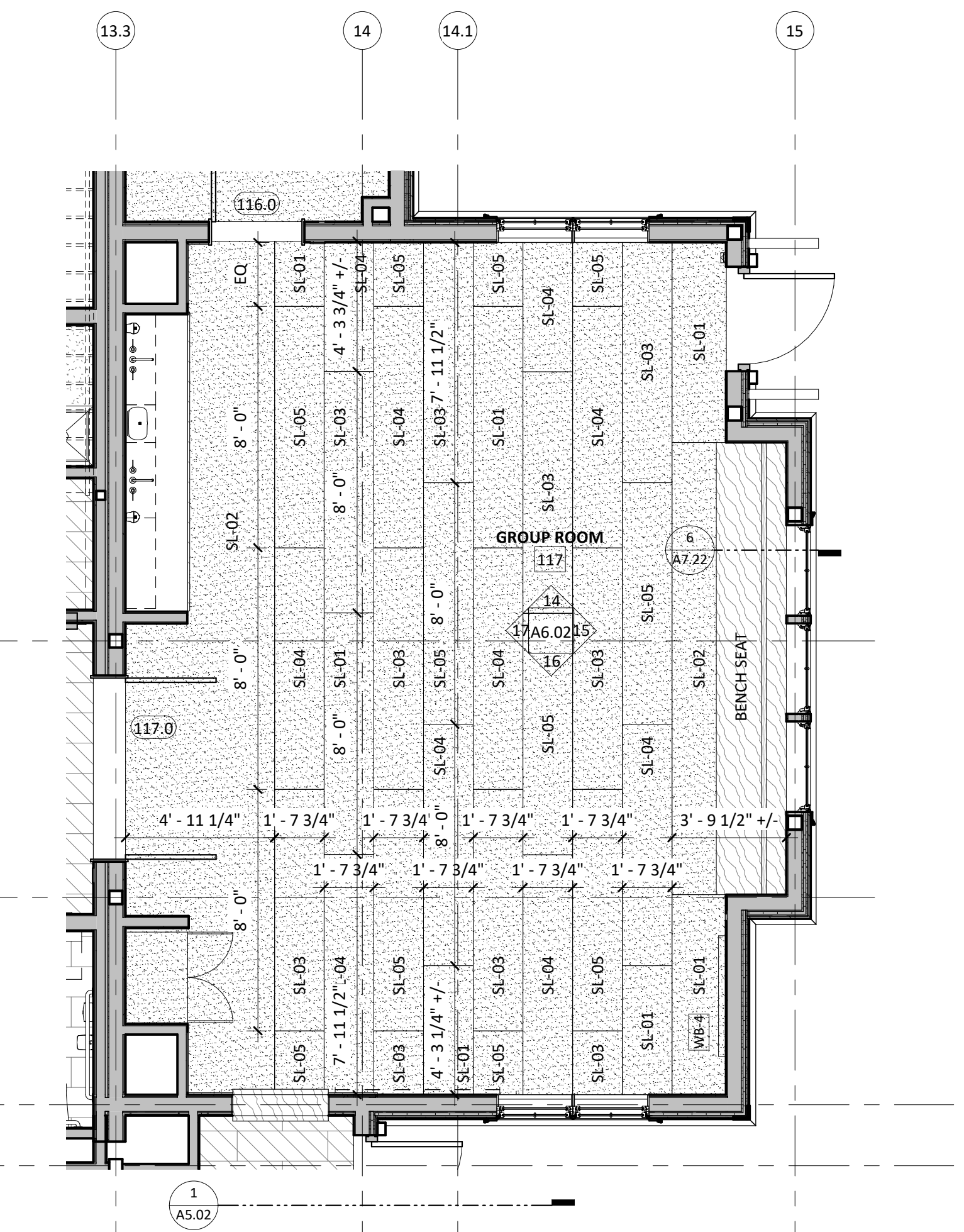
RESINOUS FLOOR (RSN):
 BASIS OF DESIGN: STONHARD; STONESHIELD
 RF-1: TBD

RESILIENT STAIR TREAD (RT):
 BASIS OF DESIGN: TARKETT; ANGLE FIT RUBBER STAIR TREADS
 RT-01: TBD

WALK - OFF CARPET (RTM):
 BASIS OF DESIGN: CONSTRUCTION SPECIALTIES; DESIGSTEP BR-DURATION & WATERSHIELD
 RTM-01: TBD
 RTM-02: TBD

INTERIOR FINISH TYPE LEGEND

WALL:	BASE:	CEILING:
CWT: CERAMIC WALL TILE	PWT-B: PORCELAIN TILE BASE	ACT-1: 24"X24" ACOUSTIC CEILING TILE
AWP: FIXED SOUND-ABSORPTIVE PANEL	RSN: RESINOUS BASE	ACT-2: 12"X24" ACOUSTIC CEILING TILE
GWB TYPE X, P: PAINTED MOISTURE RESISTANT GYPSUM WALL BOARD	RB: RESILIENT BASE	ACT-3: ACOUSTIC CEILING TILE MICRO
GWB P: PAINTED GYPSUM WALL BOARD	WD-B: WOOD BASE	EXP-STRUC: EXPOSED STRUCTURE
IRWC: IMPACT RESISTANT WALL COVERING	FLOOR:	GBC: GYPSUM BOARD CEILING
PLYWD P: PAINTED PLYWOOD	CPT: CARPET TILE	WD: WOOD CEILING PANEL
PWT-01: 12"X24" PORCELAIN WALL TILE	IFG : INTERIOR FOOT GRILLES	WFC: WOOD FIBER CEILING
TB: TACK BOARD	PC: PAINTED CONCRETE	
TSU: TACK SURFACE	PPT: PORCELAIN PAVER TILE	
SS: SOLID SURFACE	RF: RESINOUS FLOORING	
WB: WHITE BOARD	RTM: RECESSED ENTRANCE MATS	
WD CHAIR RAIL: WOOD CHAIR RAIL	RT: RUBBER TREAD	
	SC: SEALED CONCRETE	
	SL: SHEET LINOLEUM	
	VCT: VINYL COMPOSITE TILE	



2 ENLARGED PLAN - GROUP ROOM 117
1/4" = 1'-0"

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100% CD-COMFORMANCE SET ADDENDA 1-4 INCORPORATED 10/6/2021

TITLE:
FIRST FLOOR FINISH PLAN

JOB NUMBER:
20-05

DRAWN BY:
Author

CHECKED BY:
Checker

DATE:
9/8/2021

SCALE:
As indicated

SHEET NO.:

A1.42



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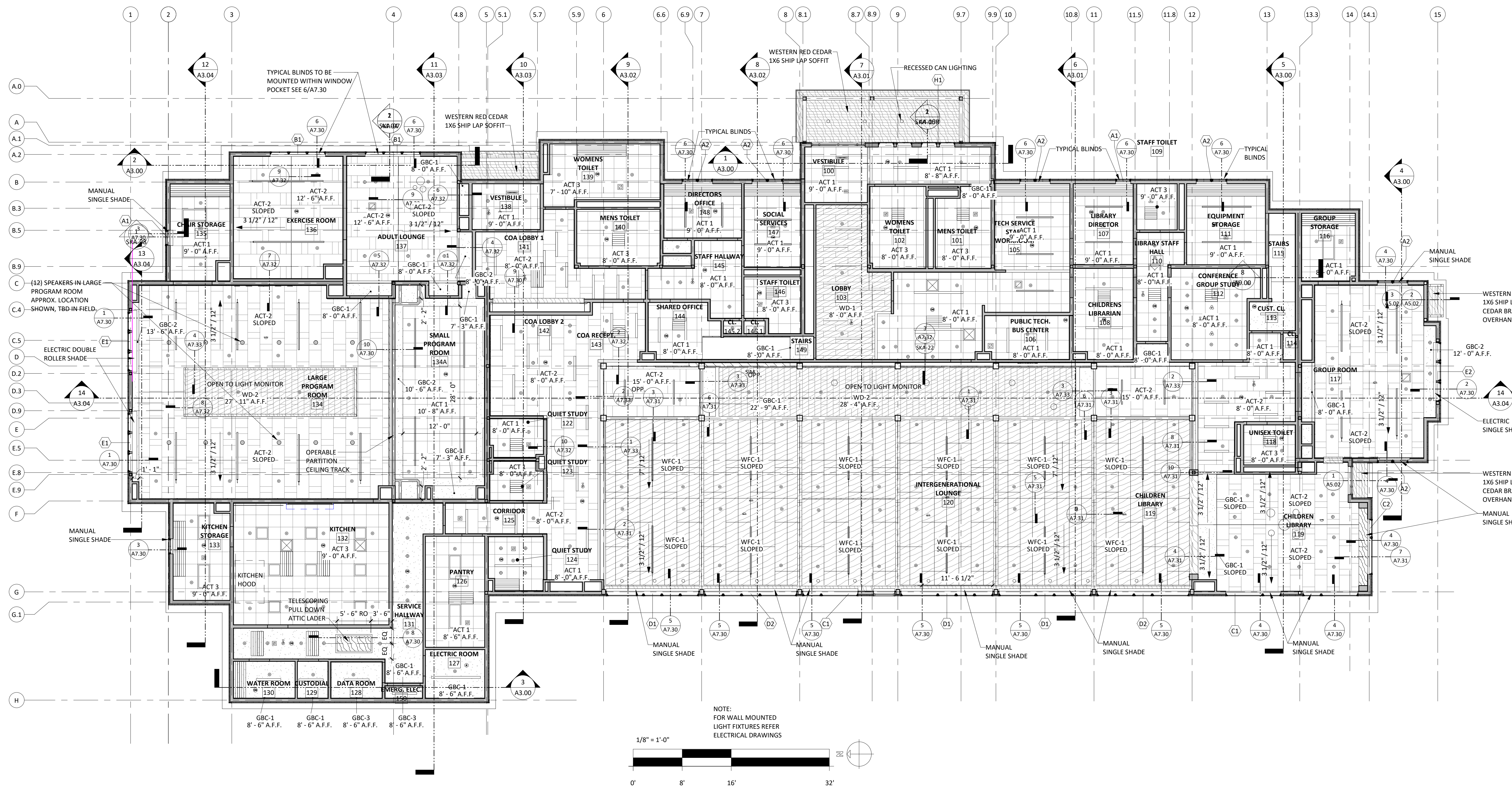
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REVISIONS:

No. Description Date



1 REFLECTED CEILING PLAN - LEVEL 1
1/8" = 1'-0"

CEILING GENERAL NOTES

- ALL DIMENSIONS ON REFLECTED CEILING PLANS ARE TO FINISH FACE OF WALL, UNLESS OTHERWISE NOTED.
- ALL DEVICES TO BE INSTALLED IN LOCATIONS AS SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS.
- QUANTITIES AND TYPES OF DEVICES PER MECHANICAL, ELECTRICAL, TECHNOLOGY, FIRE PROTECTION, PLUMBING, AND SECURITY DRAWINGS.
- ALL DEVICES SHOWN ON REFLECTED CEILING PLANS ARE TO BE CENTERED ON ACT TILES.
- ALL RADIANT PANELS SHALL BE CONTINUOUS, ALL PANELS TO BE INSTALLED AROUND COLUMNS AND WALLS. PANELS SHALL BE CUT AS REQUIRED FOR CONTINUOUS APPEARANCE. REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION.
- ALL DEVICES INCLUDING LIGHTS, DIFFUSERS, AND SPRINKLER HEADS TO BE CUSTOM COLOR AT WD-1 AND WD-2 CEILINGS.

CEILING LEGEND

- SUPPLY
- RETURN / EXHAUST
- SPRINKLER HEAD
- SPRINKLER HEAD
- RECESSED CAN LIGHT
- SMOKE DETECTOR
- EXIT SIGN
- 2'X2' RECESSED LIGHT
- 2'X4' RECESSED LIGHT
- PHOTO SENSOR
- FIRE ALARM STROBE
- SPEAKER / VISUAL FIRE ALARM SIGNAL
- SPEAKER / VISUAL MASS NOTIFICATION SIGNAL
- RADIANT CEILING PANEL; SEE MECH DWGS.
- SPEAKER
- LINEAR LIGHT FIXTURE
- PENDANT CURVED LIGHT FIXTURE
- PENDANT LINEAR LIGHT FIXTURE
- UNIT HEATER
- PROJECTION SCREEN; SIZE VARIES
- Room Name [101]
- It 1'-0" A.F.F.
- ▲ EXTERIOR WINDOW TAG - SEE DETAIL FOR WINDOW TYPES; SEE LAYOUT PLANS & EXTERIOR ELEVATIONS FOR LOCATIONS

CEILING TYPES

- ACT-1: 24x24 TEGULAR ON 9/16" HUNG GRID
- ACT-2: 24x12 & 24x48 TEGULAR ON 9/16" HUNG GRID
- ACT-3: 24x24 ANTIMICROBIAL TEGULAR ON 9/16" HUNG GRID
- WFC-1: WOOD FIBER CEILING ON 1X3 FURRING
- WD-1: 12X48 WOOD PANEL CEILING ON 15/16" HUNG GRID
- WD-2: 12X48 WOOD PANEL CEILING ON 15/16" GRID CLIPPED TO BOTTOMSIDE OF TRUSS
- GBC-1: GYPSUM BOARD CEILING ON HUNG DRYWALL GRID SYSTEM
- GBC-2: GYPSUM BOARD CEILING ON WOOD STUDS
- GBC-3: UL DES U437- 2HR RATED (2) LAYERS 5/8" RATED GYPSUM BOARD CEILING ON 4" C-H STUDS @ 24" O.C. W/ 1" GYPSUM LINER PANEL
- EXP-STRUCT: EXPOSED STRUCTURE & DECK

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FIRST FLOOR
RCP PLAN

JOB NUMBER:
20-05

DRAWN BY:
TP, EP

CHECKED BY:
BS, LT, PT

DATE:
9/8/2021

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

SHEET NO.:

A1.51

DATE PLOTTED: 11/05/20



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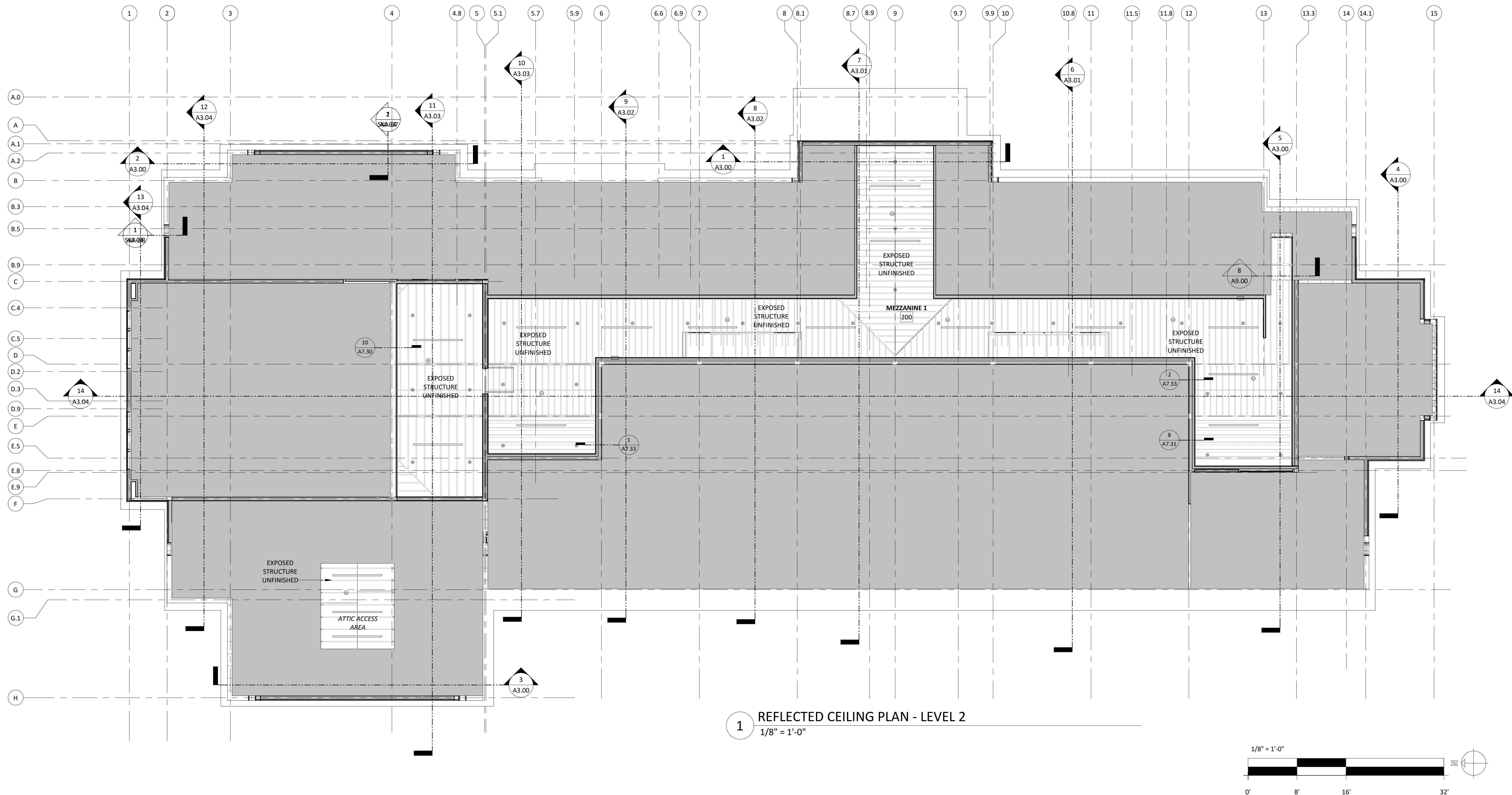
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REVISIONS:

No.	Description	Date



1 REFLECTED CEILING PLAN - LEVEL 2
1/8" = 1'-0"

CEILING GENERAL NOTES	CEILING LEGEND	CEILING TYPES
<ol style="list-style-type: none"> ALL DIMENSIONS ON REFLECTED CEILING PLANS ARE TO FINISH FACE OF WALL, UNLESS OTHERWISE NOTED. ALL DEVICES TO BE INSTALLED IN LOCATIONS AS SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS. QUANTITIES AND TYPES OF DEVICES PER MECHANICAL, ELECTRICAL, TECHNOLOGY, FIRE PROTECTION, PLUMBING, AND SECURITY DRAWINGS. ALL DEVICES SHOWN ON REFLECTED CEILING PLANS ARE TO BE CENTERED ON ACT TILES. ALL RADIANT PANELS SHALL BE CONTINUOUS, ALL PANELS TO BE INSTALLED AROUND COLUMNS AND WALLS. PANELS SHALL BE CUT AS REQUIRED FOR CONTINUOUS APPEARANCE. REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION. ALL DEVICES INCLUDING LIGHTS, DIFFUSERS, AND SPRINKLER HEADS TO BE CUSTOM COLOR AT WD-1 AND WD-2 CEILINGS. 	<ul style="list-style-type: none"> SUPPLY RETURN / EXHAUST SPRINKLER HEAD RECESSED CAN LIGHT SMOKE DETECTOR EXIT SIGN 2'X2' RECESSED LIGHT 2'X4' RECESSED LIGHT PHOTO SENSOR FIRE ALARM STROBE SPEAKER / VISUAL FIRE ALARM SIGNAL SPEAKER / VISUAL MASS NOTIFICATION SIGNAL RADIANT CEILING PANEL; SEE MECH DWGS. SPEAKER LINEAR LIGHT FIXTURE PENDANT CURVED LIGHT FIXTURE PENDANT LINEAR LIGHT FIXTURE UNIT HEATER PROJECTION SCREEN; SIZE VARIES ROOM TAG CEILING TYPE TAG EXTERIOR WINDOW TAG - SEE DETAIL FOR WINDOW TYPES; SEE LAYOUT PLANS & EXTERIOR ELEVATIONS FOR LOCATIONS 	<ul style="list-style-type: none"> ACT-1: 24x24 TEGULAR ON 9/16" HUNG GRID ACT-2: 24x12 & 24x48 TEGULAR ON 9/16" HUNG GRID ACT-3: 24x24 ANTIMICROBIAL TEGULAR ON 9/16" HUNG GRID WFC-1: WOOD FIBER CEILING ON 1X3 FURRING WD-1: 12X48 WOOD PANEL CEILING ON 15/16" HUNG GRID WD-2: 12X48 WOOD PANEL CEILING ON 15/16" GRID CLIPPED TO BOTTOMSIDE OF TRUSS GBC-1: GYPSUM BOARD CEILING ON HUNG DRYWALL GRID SYSTEM GBC-2: GYPSUM BOARD CEILING ON WOOD STUDS GBC-3: UL DES U437- 2HR RATED (2) LAYERS 5/8" RATED GYPSUM BOARD CEILING ON 4" C-H STUDS @ 24" O.C. W/ 1" GYPSUM LINER PANEL EXP-STRUCT: EXPOSED STRUCTURE & DECK

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TITLE:
MEZZANINE
RCP PLAN

JOB NUMBER:
20-05

DRAWN BY:
TP

CHECKED BY:
BS, LT, PT

DATE:
9/8/2021

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

SHEET NO.:

A1.52

10/20/21 11:05:52
 AW



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No.	Description	Date
2	Addendum 02	9/27/2021

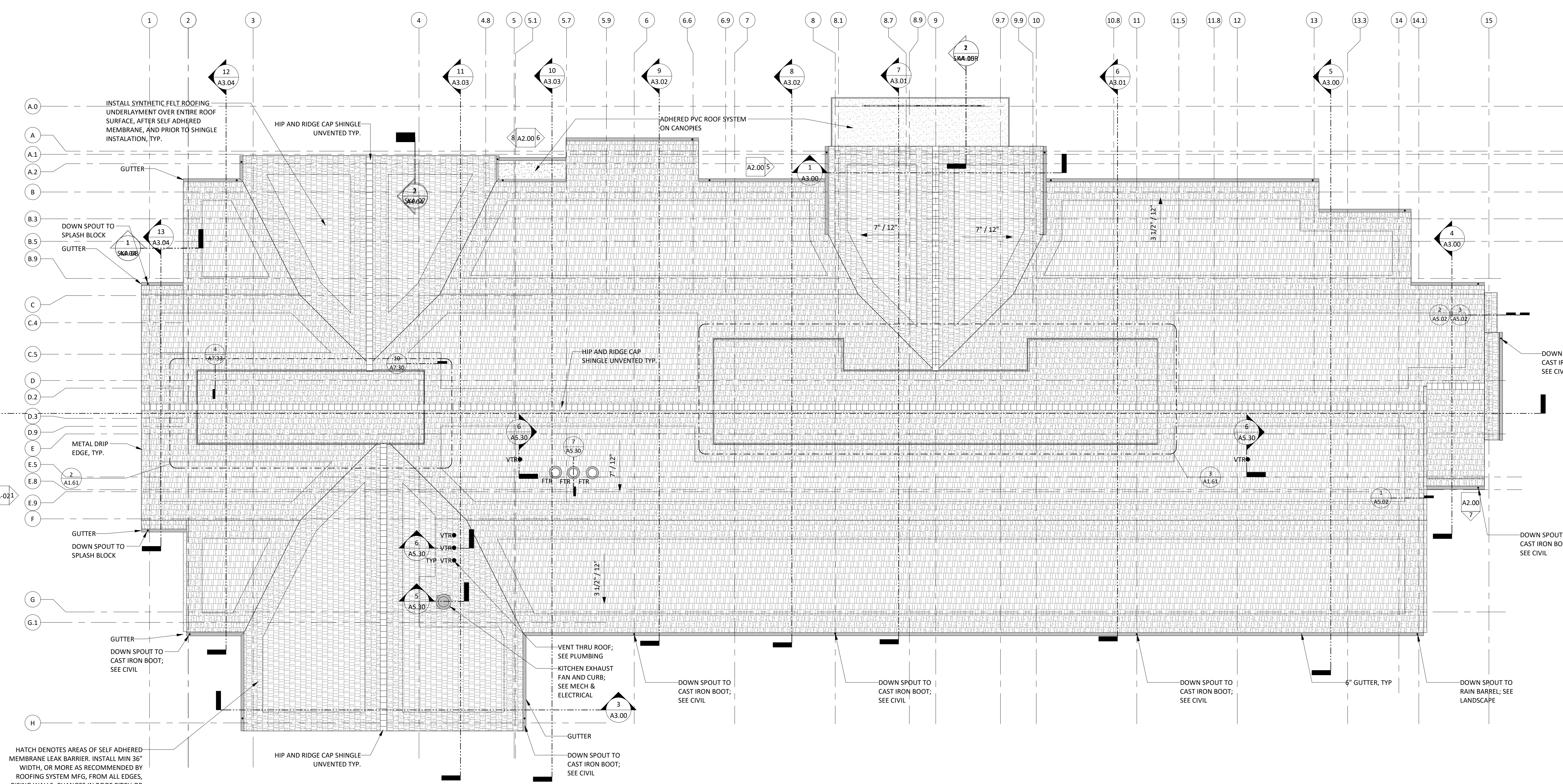
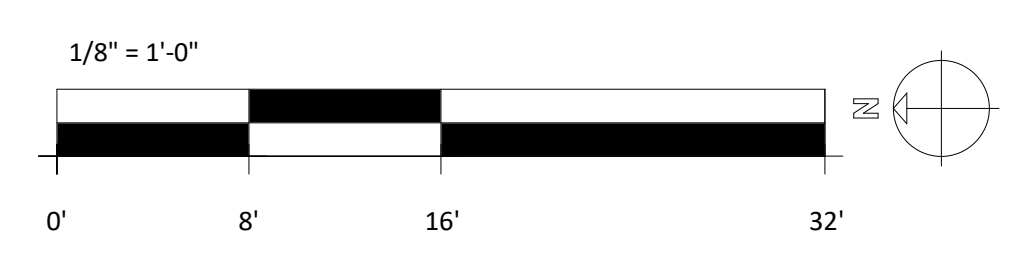
SEE GENERAL NOTE 47 ON G.00 FOR SHEAR WALL LOCATIONS AND CONSTRUCTION

ROOF NOTES

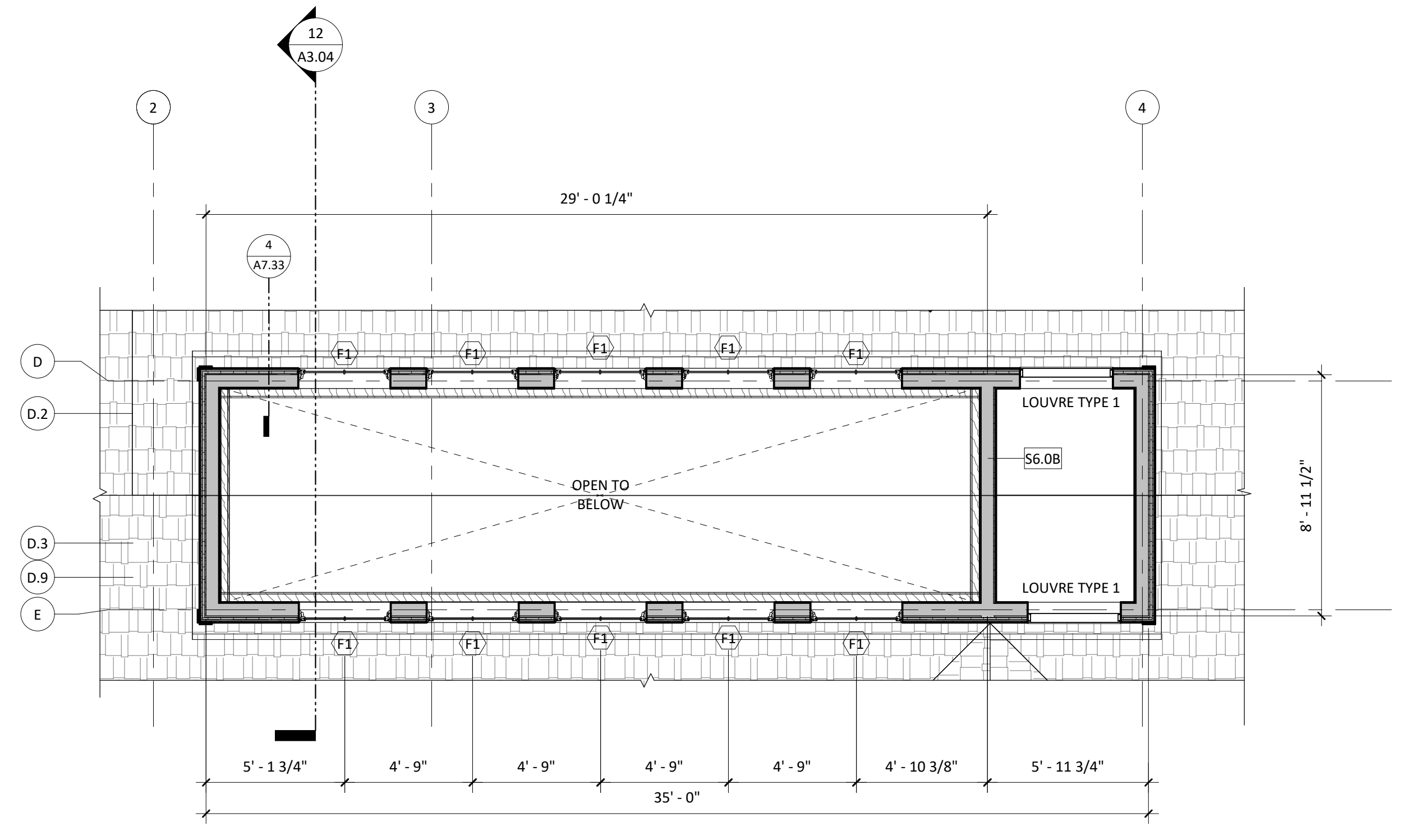
1. THE CONTRACTOR IS RESPONSIBLE TO VERIFY ALL CONDITIONS, DIMENSIONS.
2. THE WORK OF THIS CONTRACT SHALL BE COMPLETED IN ACCORDANCE WITH THE ATTACHED DRAWINGS, DOCUMENTS, AND SPECIFICATIONS.
3. ALL MATERIALS USED ON THIS PROJECT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS FOR INSTALLATION.
4. ANY DEVIATIONS FROM THE ARCHITECT'S OR ENGINEER'S DRAWINGS MUST BE SUBMITTED IN WRITING FOR APPROVAL, PRIOR TO COMMENCING ANY WORK.
5. CONTRACTOR SHALL EXERCISE EXTREME CARE NOT TO DAMAGE ANY ADJACENT CONSTRUCTION. ANY DAMAGE SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE.
6. CONTRACTOR SHALL PROVIDE ALL SAFEGUARDS AS REQUIRED TO PRECLUDE INJURY TO OWNER'S AND CONTRACTOR'S PERSONNEL AND TO ALL OTHER PERSONS ON THE CONSTRUCTION SITE.
7. CONTRACTOR SHALL PERFORM ALL WORK AS INDICATED ON DRAWINGS, AND IN SPECIFICATIONS.
8. PROVIDE ROOFING SYSTEM MFG APPROVED DETAILING, BOOTS, AND/OR FLASHINGS AS REQUIRED FOR ALL ROOF PENETRATIONS. COORDINATE WITH MEP DRAWINGS.
9. ALL WOOD BLOCKING AND NAILING STRIPS SHALL BE PRESSURE TREATED WHEN EXPECTED TO BE IN DIRECT CONTACT WITH SOIL, CONCRETE OR DAMP AREAS.
10. ALL ROOFTOP APPURTENANCES, HVAC UNITS, EXHAUST FANS, CURBS, ETC. SHALL BE SIZED TO MAINTAIN A MINIMUM OF 8" CLEAR BETWEEN TOP OF ROOF AND BOTTOM OF FLASHING, OR AS SPECIFICALLY NOTED ON DRAWINGS.
11. ALL ROOF PIPING, CONDUITS, VENTS, CURBS, AND OTHER ROOF PENETRATIONS SHALL EXTEND TO MAINTAIN AN 8" MINIMUM HEIGHT BETWEEN THE TOP OF ROOF SURFACE AND BOTTOM OF FLASHINGS.
12. NEW METAL COPINGS AND FLASHINGS SHALL BE SET AT A CONSTANT HEIGHT, TYP. COORDINATE WITH CONSTRUCTION DETAILS, AND SPECIFICATIONS.
13. THE CONTRACTOR SHALL PROVIDE ROOFING SYSTEM WALKWAY PADS AT ALL ROOF TOP MECHANICAL UNITS THAT REQUIRE MAINTENANCE. ROOF PLAN SHOWS THESE LOCATIONS. COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATIONS. SEE ELECTRICAL DRAWINGS FOR COORDINATION OF INSTALLATION OF LIGHTNING PROTECTION ITEMS. ALL ATTACHMENTS OF LIGHTNING PROTECTION ITEMS TO NEW ROOFING SYSTEM, SHALL BE APPROVED BY ROOFING SYSTEM MFG.

ROOFING PLAN LEGEND

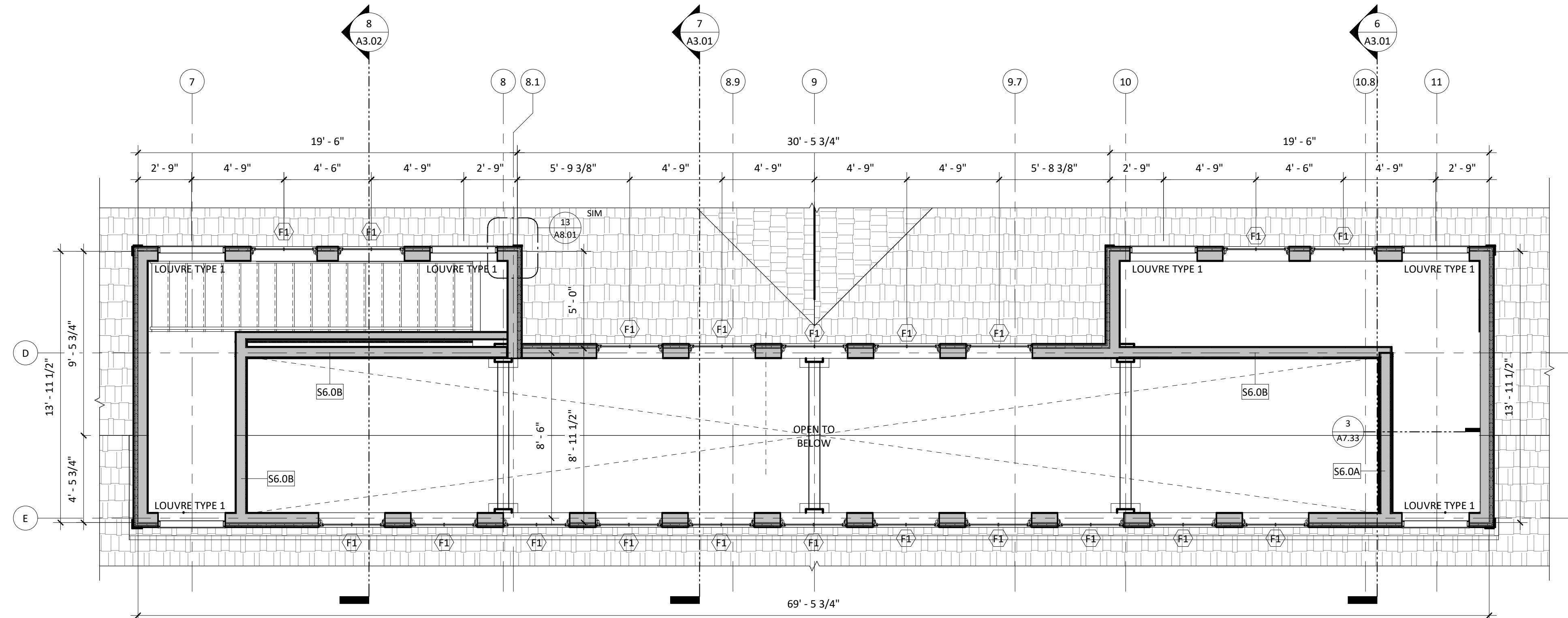
SYMBOL	DESCRIPTION
	TYPE 1 ASPHALT SHINGLE
	TYPE 2 PVC MEMBRANE



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



2 LIGHT MONITOR 1 LAYOUT PLAN
1/4" = 1'-0"



3 LIGHT MONITOR 2 LAYOUT PLAN
1/4" = 1'-0"

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ROOF PLAN

JOB NUMBER:
20-05

DRAWN BY:
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DATE:
9/8/2021

SCALE:
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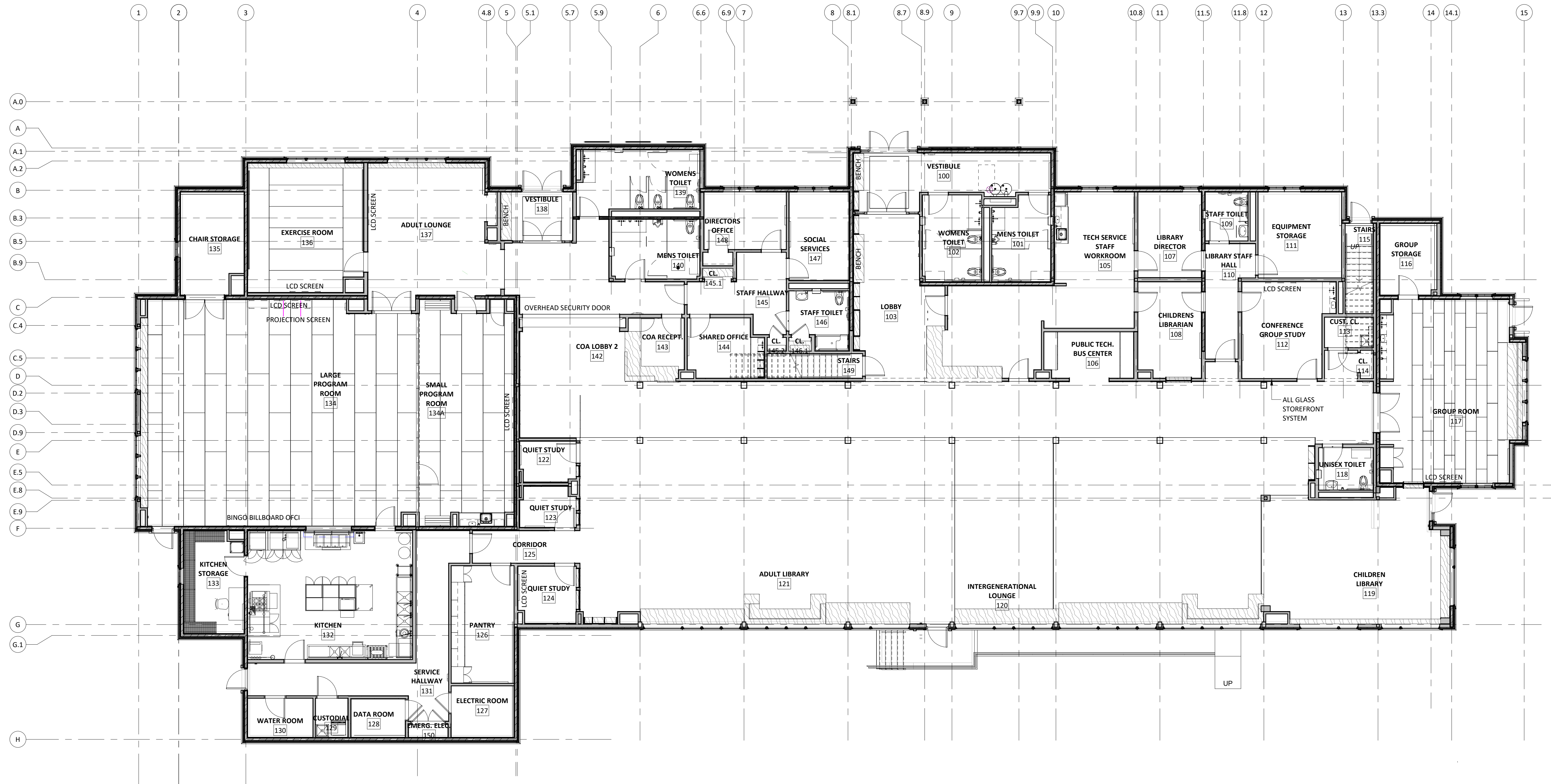
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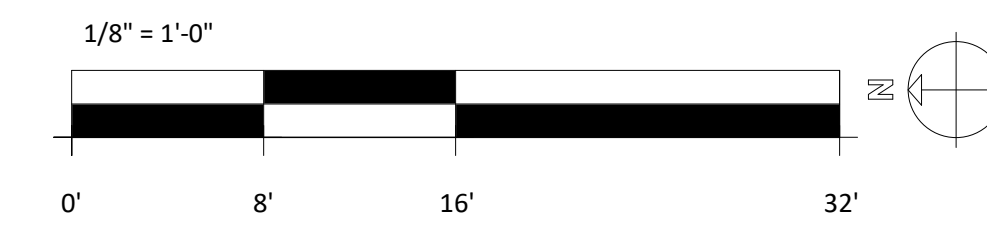
REVISIONS:

No.	Description	Date



1 FIRST FLOOR FURNITURE PLAN
1/8" = 1'-0"

- NOTES:
1. THIS PLAN IS FOR REFERENCE ONLY
 2. COORDINATE ELECTRICAL AND TECHNOLOGY WITH FURNITURE LOCATIONS



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TITLE:
FIRST FLOOR FURNITURE PLAN FOR REFERENCE ONLY

JOB NUMBER:
20-05

DRAWN BY:
CONSULT

CHECKED BY:
BS, LT, PT

DATE:
9/8/2021

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

SHEET NO.:

A1.81

10/20/2021 11:05:55 AM



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No.	Description	Date
1	No. 2	9/27/20
2	Addendum 02	02/02/21

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TITLE: EXTERIOR ELEVATIONS

JOB NUMBER: 20-05

DRAWN BY: CL

CHECKED BY: BS

DATE: 9/8/2021

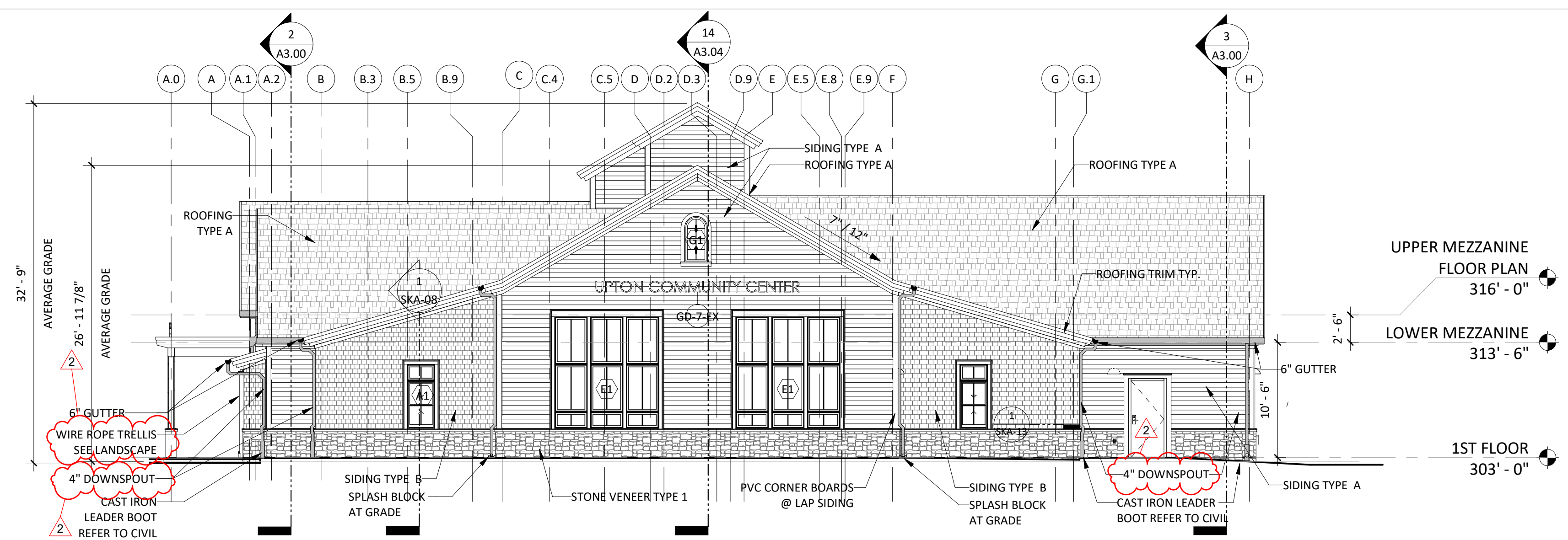
SCALE: As indicated

SHEET NO: A2.00

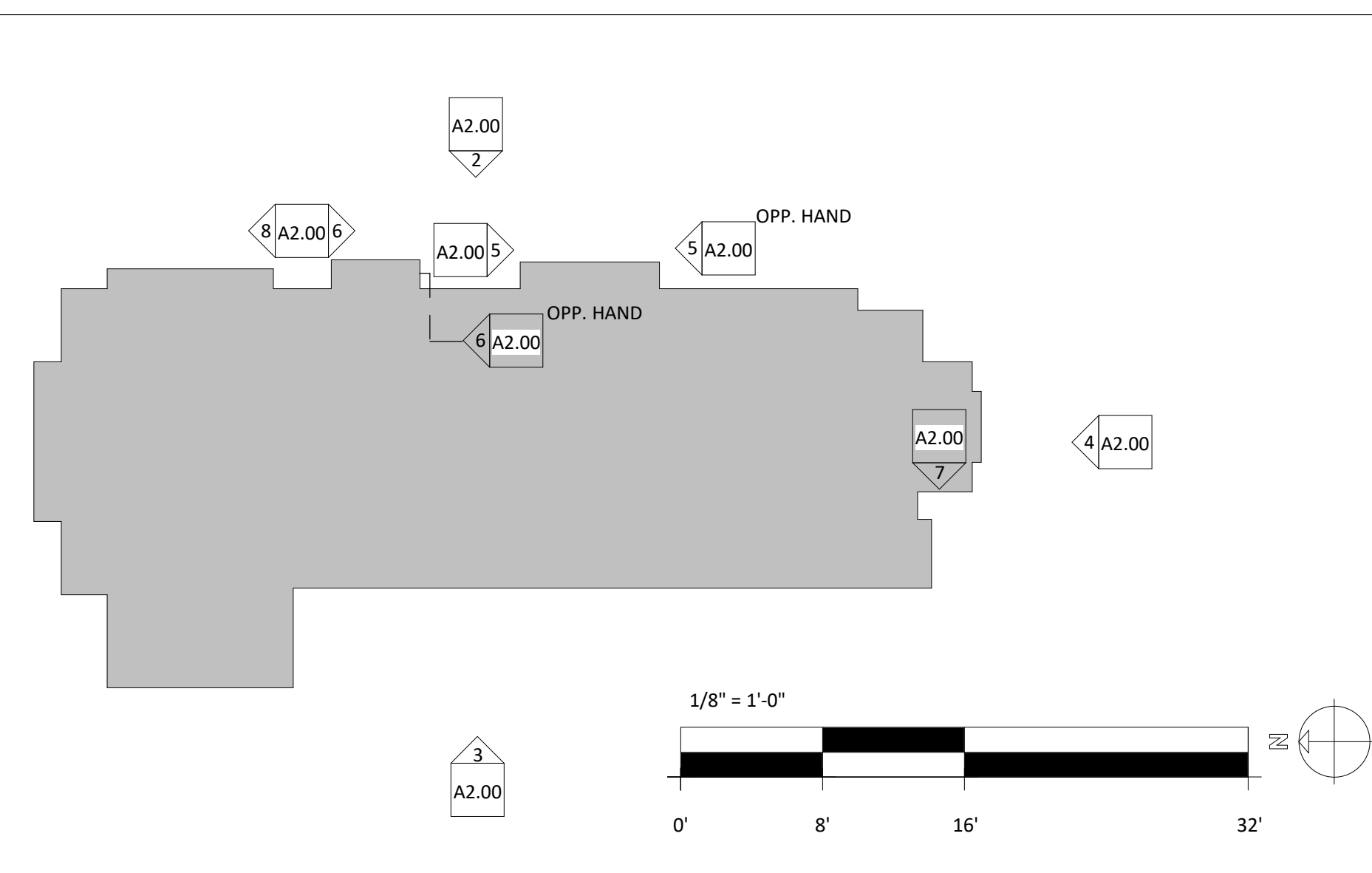
EXTERIOR ELEVATIONS MATERIALS, SYMBOLS & TAGS LEGEND

SYMBOL	DESCRIPTION
	STONE VENER TYPE 1: THIN FIELDSTONE VENER (HEIGHT VARIES COORD. W/ ARCH. & LANDSCAPE DWGS)
	SIDING TYPE A: HORIZONTAL CEMENTUOUS LAP SIDING
	SIDING TYPE B: WESTERN RED CEDAR SHINGLES
	SIDING TYPE C: WESTERN RED CEDAR WIDE PLANK SIDING
	ROOFING TYPE A: ASPHALT ROOF SHINGLES
	ROOFING TYPE B: PVC ROOFING SYSTEM
	DOOR TAG - SEE SHEET X.XX FOR DOOR SCHEDULE AND TYPES; SEE LAYOUT PLANS FOR LOCATIONS
	EXTERIOR WINDOW TAG - SEE SHEET X.XX FOR WINDOW TYPES; SEE LAYOUT PLANS FOR LOCATIONS
	CONTROL JOINT
	EXPANSION JOINT

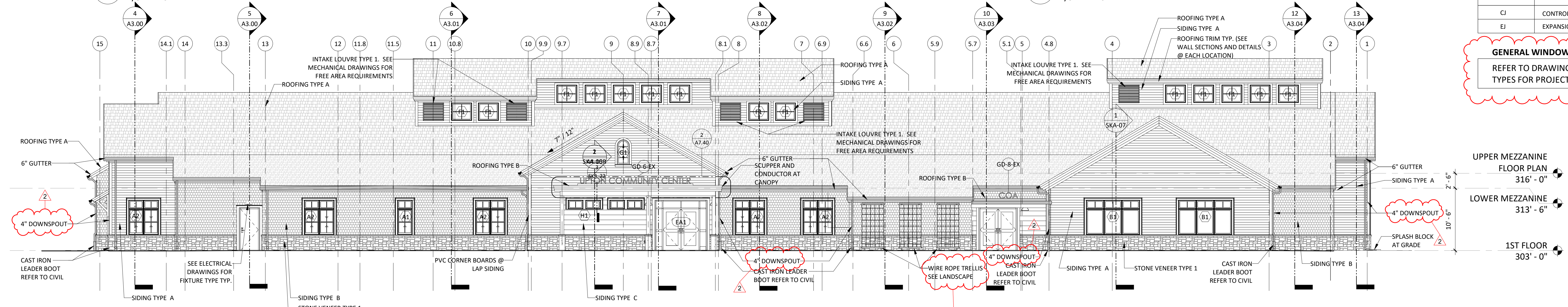
GENERAL WINDOW NOTE
 REFER TO DRAWING A8.00 EXTERIOR WINDOW TYPES FOR PROJECTING WINDOW LOCATIONS



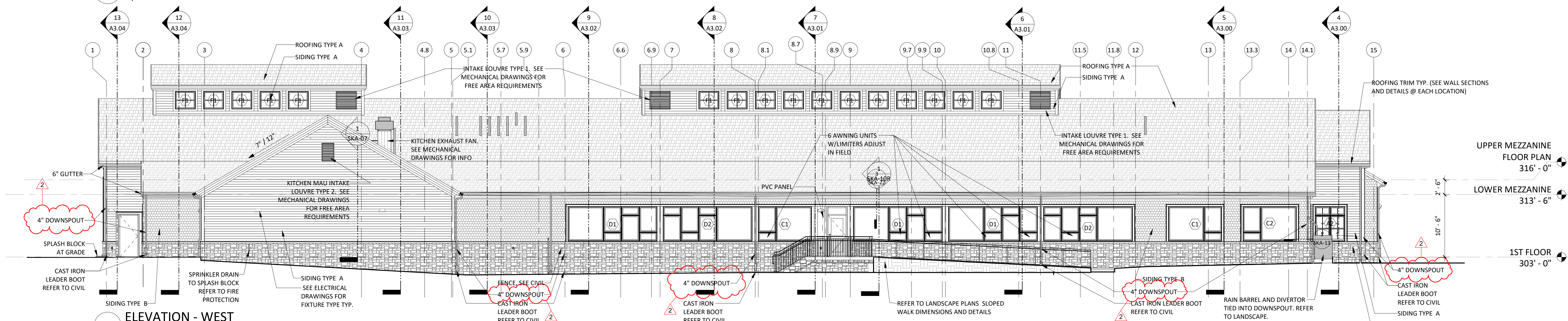
1 ELEVATION - NORTH
1/8" = 1'-0"



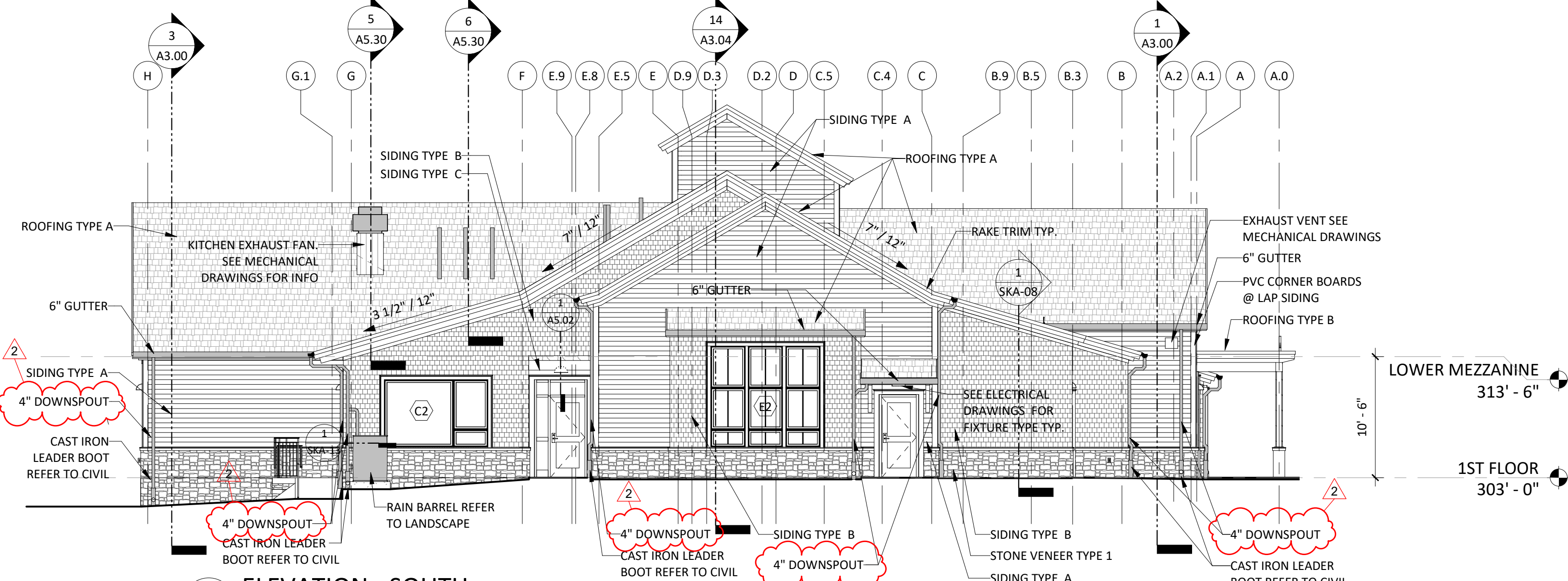
9 KEY PLAN
1/32" = 1'-0"



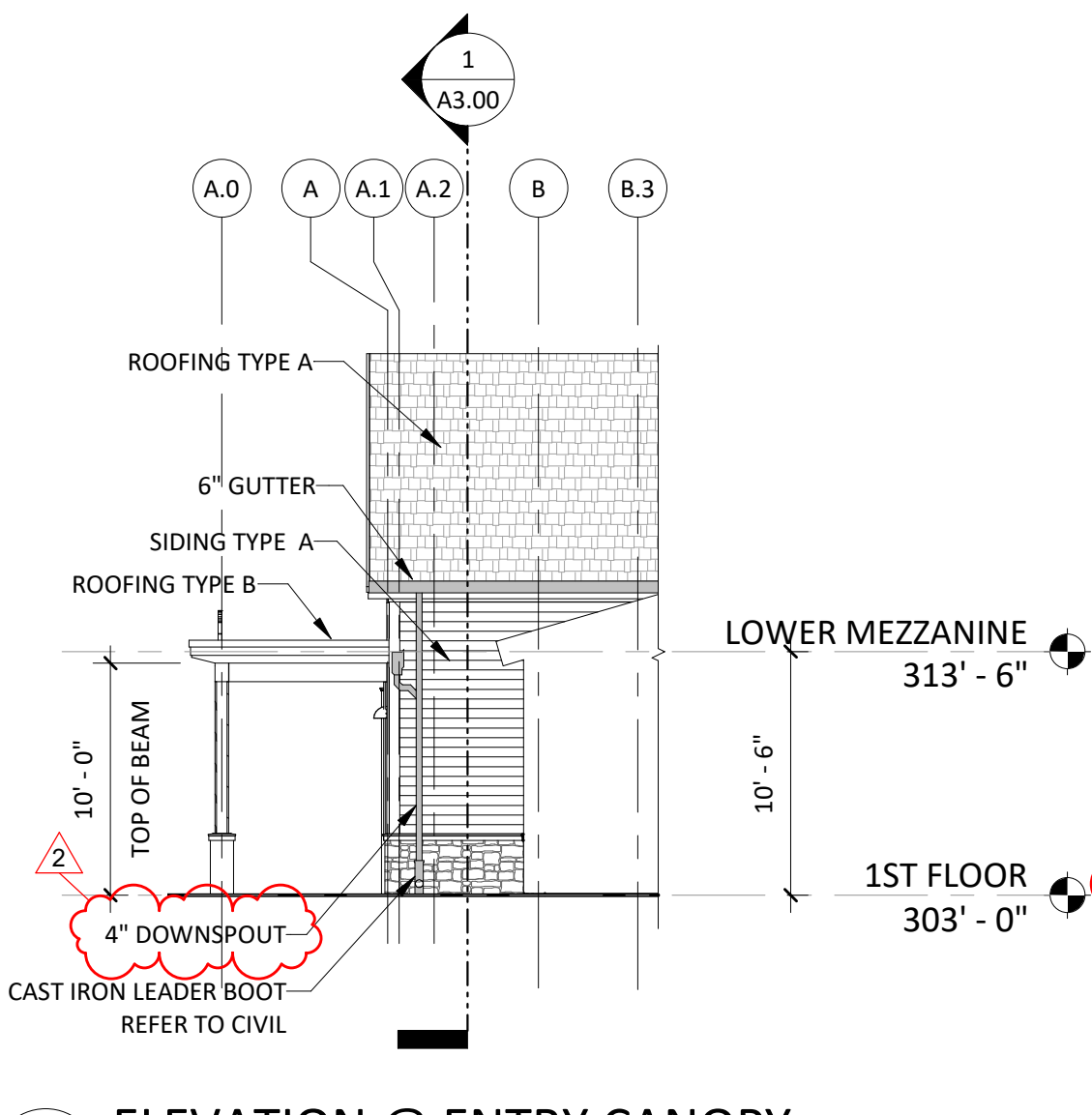
2 ELEVATION - EAST
1/8" = 1'-0"



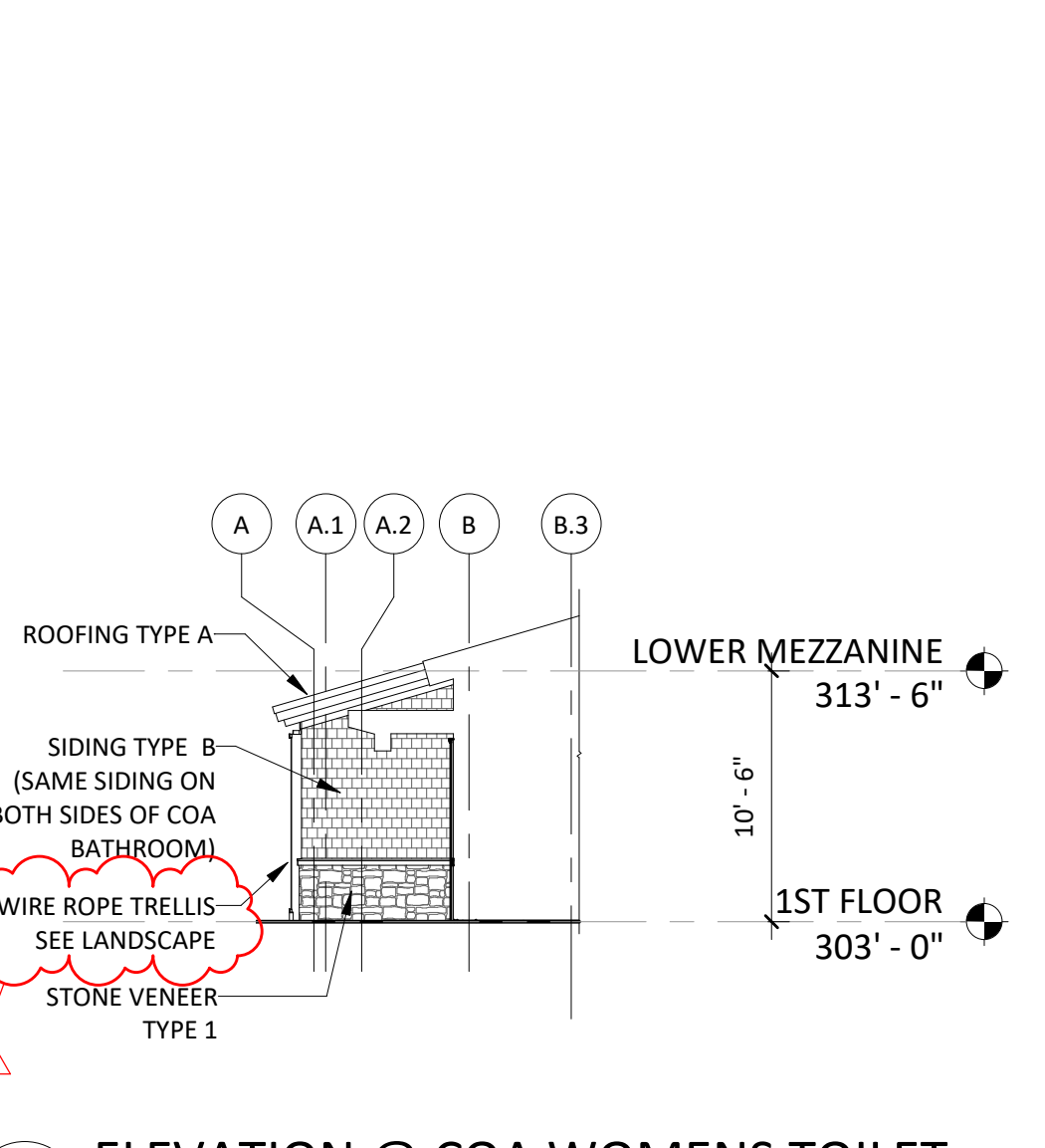
3 ELEVATION - WEST
1/8" = 1'-0"



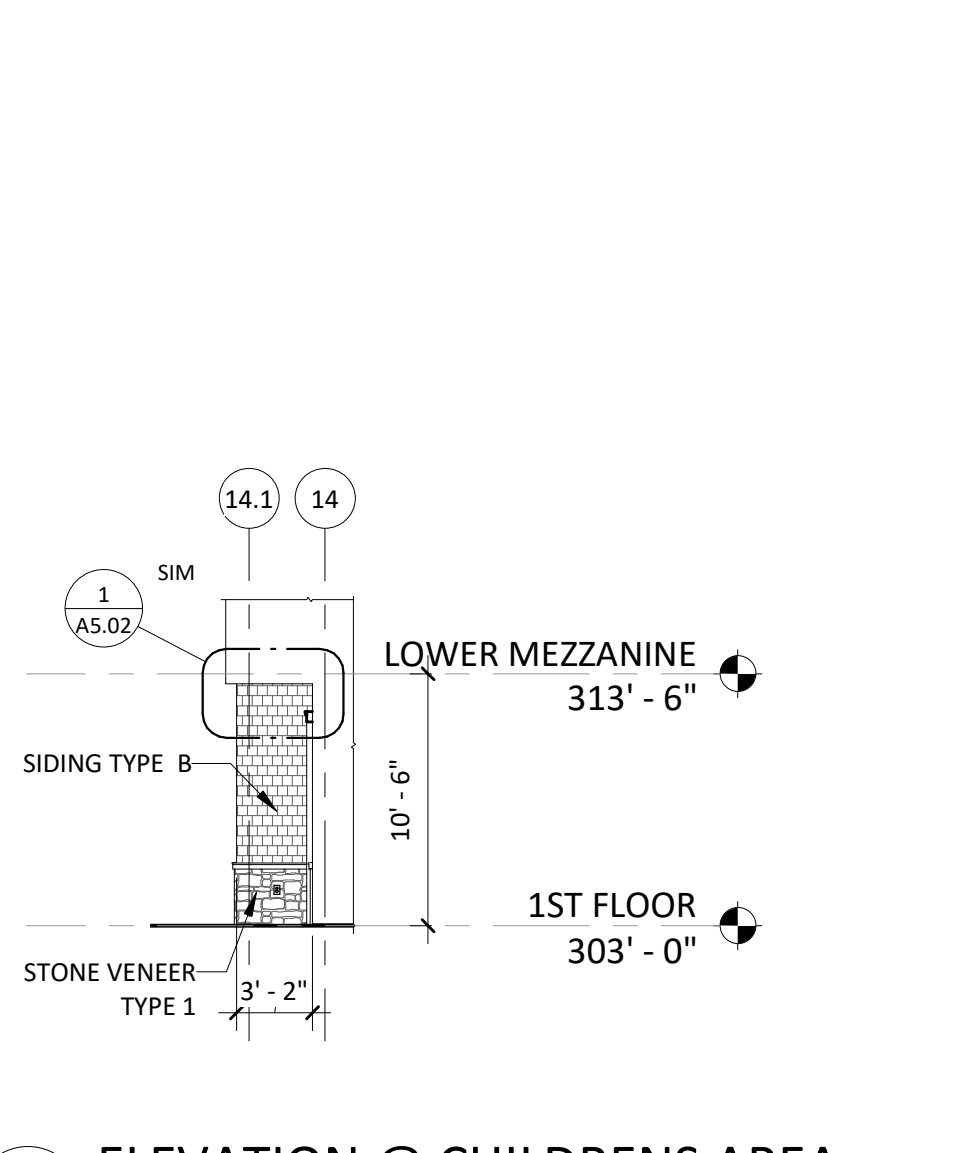
4 ELEVATION - SOUTH
1/8" = 1'-0"



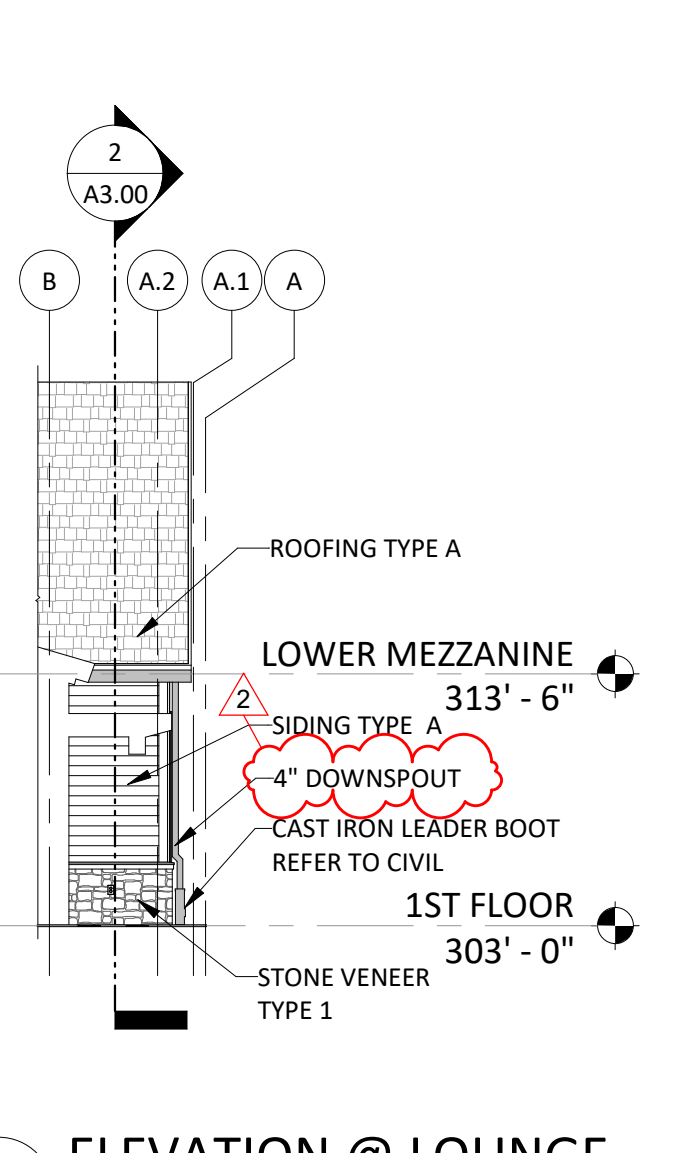
5 ELEVATION @ ENTRY CANOPY
1/8" = 1'-0"



6 ELEVATION @ COA WOMENS TOILET
1/8" = 1'-0"



7 ELEVATION @ CHILDRENS AREA
1/8" = 1'-0"



8 ELEVATION @ LOUNGE
1/8" = 1'-0"



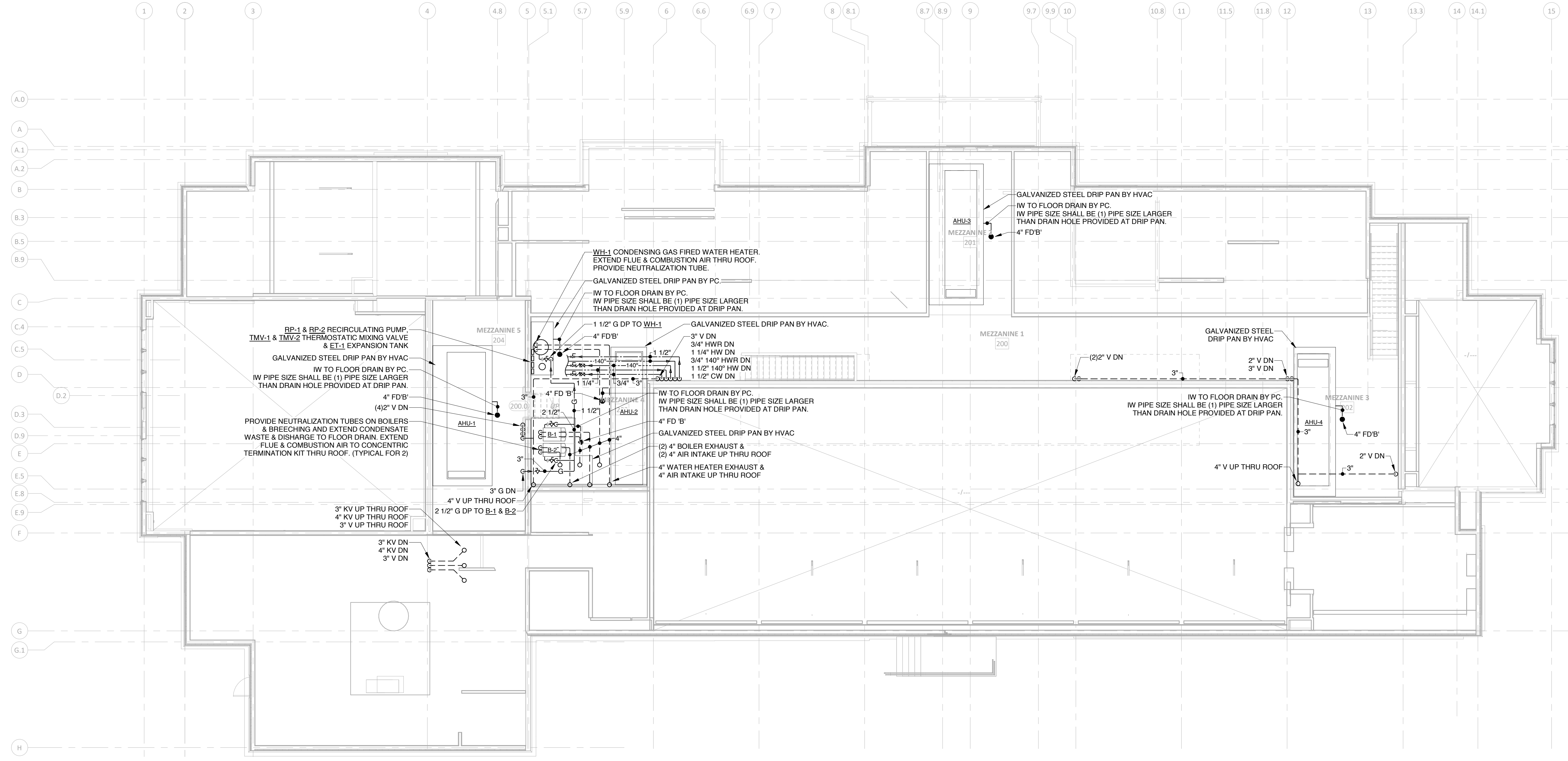
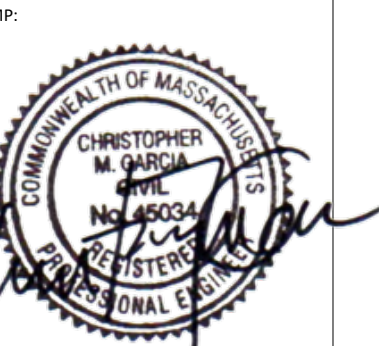
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 87 Franklin Street, Dartmouth, MA 01929



A.0
 A
 A.1
 A.2
 B
 B.3
 B.5
 B.9
 C
 C.4
 C.5
 D
 D.2
 D.3
 D.9
 E
 E.5
 E.8
 E.9
 F
 G
 G.1
 H

REVISIONS:

No.	Description	Date

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 100% CD - CONFORMANCE SET ADDENDA 1-4
 INCORPORATED 10/6/2021

TITLE:
**MEZZANINE
 PLUMBING
 PLAN**

JOB NUMBER:

DRAWN BY:
 SJM

CHECKED BY:
 CMG

DATE:
 09/08/2021

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

SHEET NO.:
P1.22



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Marion, MA 02738

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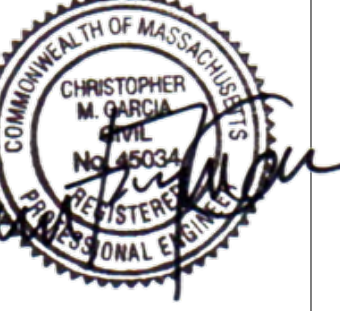
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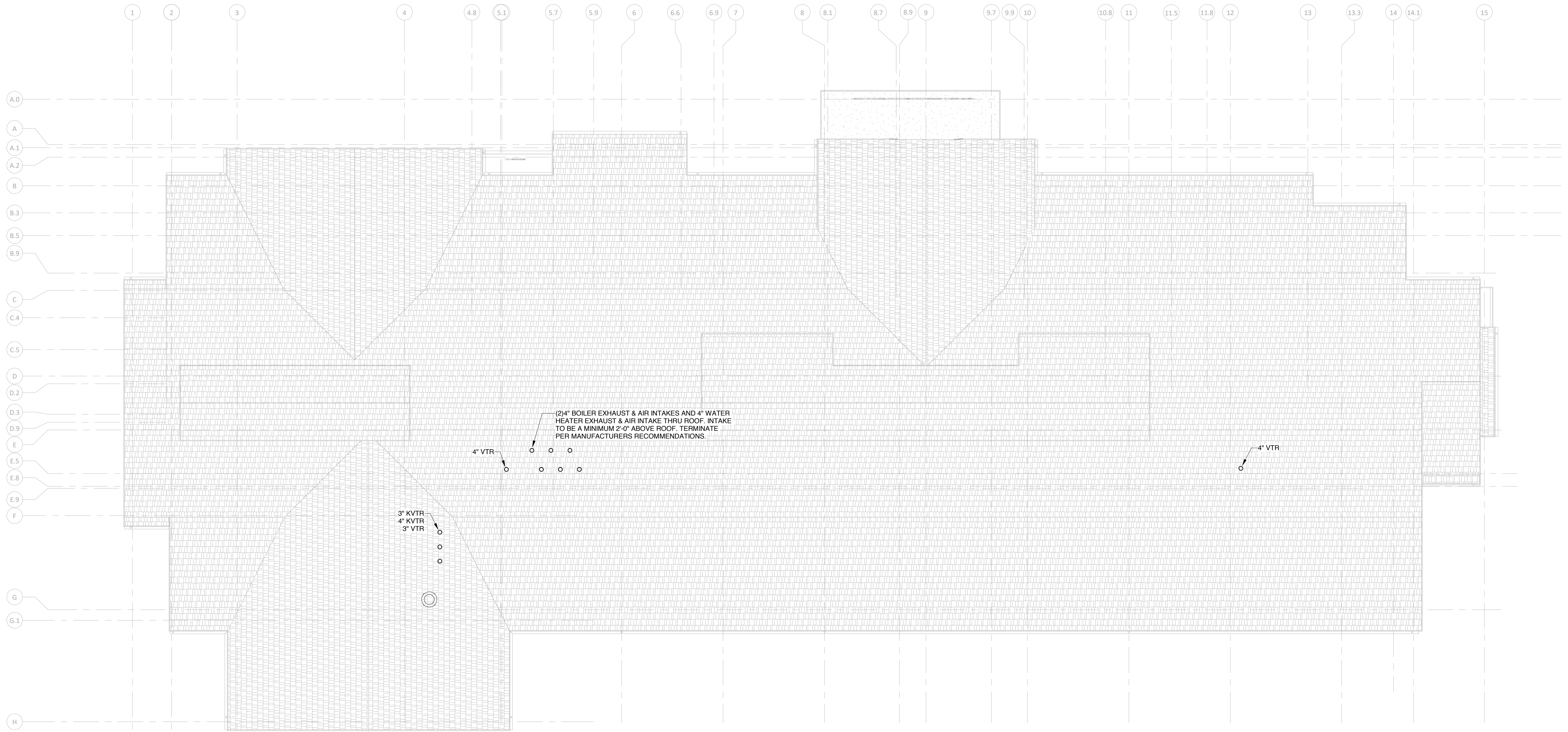
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97 Francis Green Road, Dartmouth, MA 01921-1711
TEL: 508.758.9777 FAX: 508.748.2444

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100% CD - CONFORMANCE SET ADDENDA 1-4
INCORPORATED 10/6/2021

TITLE:
**ROOF
PLUMBING
PLAN**

JOB NUMBER:

DRAWN BY:
SJM

CHECKED BY:
CMG

DATE:
09/08/2021

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

SHEET NO:
P1.23



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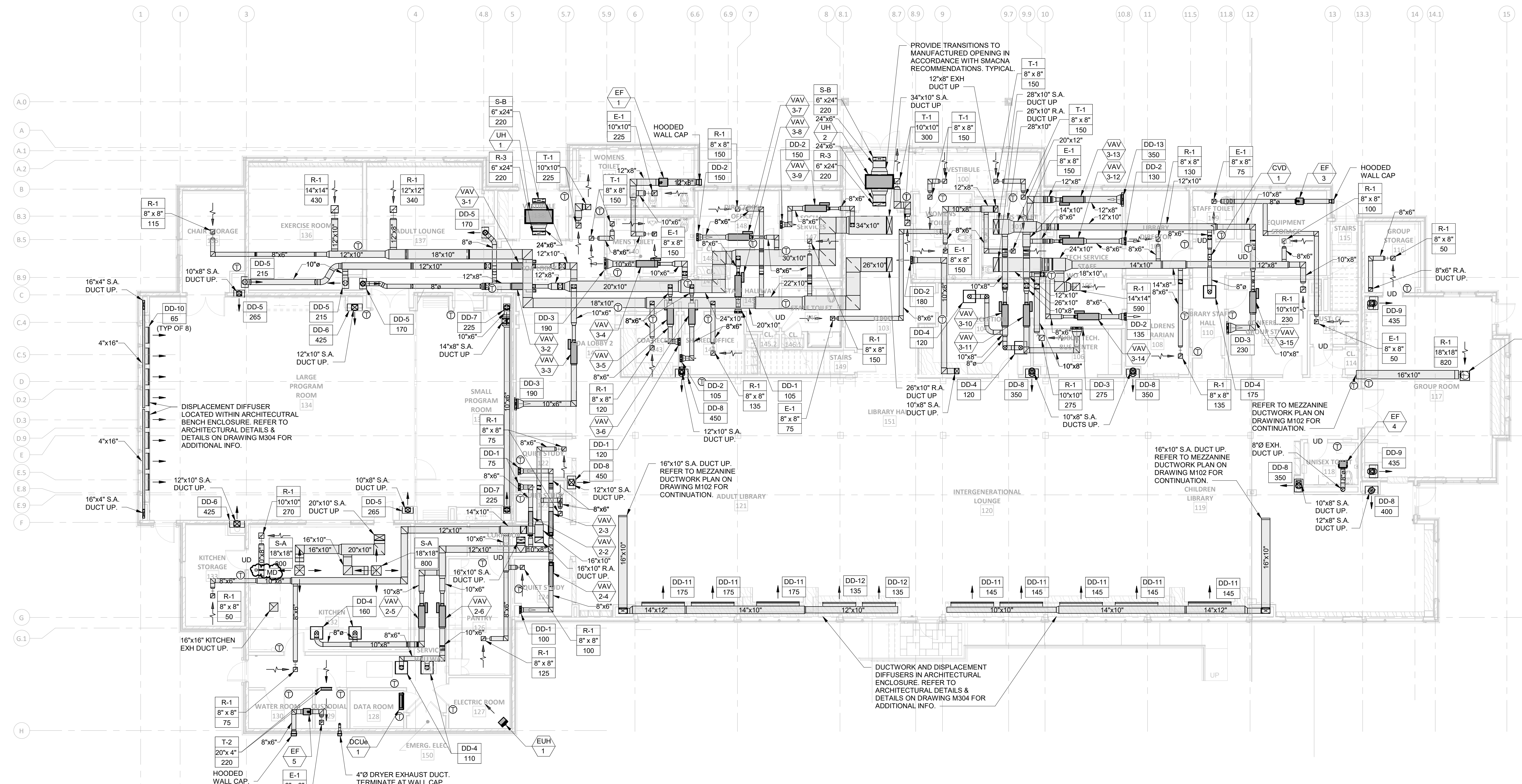
100 Franklin Street, Suite 200, Boston, MA 02111
Tel: 617.552.8200 Fax: 617.552.8201

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REVISIONS:

No.	Description	Date
1	Addendum #2	09/24/21



1 FIRST FLOOR DUCTWORK PLAN - HVAC
1/8" = 1'-0"

- DUCTWORK DRAWING NOTES:**
- 1) PROVIDE ALL NECESSARY DUCT TRANSITIONS, OFFSET, FASTENERS, ELBOWS & CLIPS FOR A COMPLETE CONNECTION FROM THE DUCT MAIN TO THE VAV BOX THEN TO THE DISPLACEMENT DIFFUSER. UTILIZE DUCT SEALANT & MECHANICAL FASTENERS FOR AN AIRTIGHT SEAL. PROVIDE SUPPLEMENTAL STRUCTURAL SUPPORTS AS REQUIRED FOR THE INSTALLATION OF VAV BOX & ANY TYPE OF DISPLACEMENT DIFFUSER INCLUDING WALL BRACING IF NECESSARY.
 - 2) REFER TO THE REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED EQUIPMENT & COMPONENTS. IF IT IS NOT INDICATED ON THE REFLECTED CEILING PLANS CONTACT A/E IN WRITING PRIOR TO INSTALLATIONS.
 - 3) ALL RTU'S & MAU'S SHALL BE PROVIDED W/ SUPPLY & RETURN AIR DUCT MOUNTED SMOKE DETECTORS. THE DUCT MOUNTED SMOKE DETECTORS SHALL BE INSTALLED BY THE HVAC CONTRACTOR. FIRE ALARM INTERLOCK, POWER, WIRING, & FURNISHING OF THE DETECTOR SHALL BE BY THE ELECTRICAL CONTRACTOR. UNIT SHUT DOWN UPON ACTIVATION WILL BE PROVIDED BY THE ATC CONTRACTOR. PROVIDE NECESSARY WIRING, PROGRAMMING, & COMPONENTS TO ACHIEVE THE DESIRED SEQUENCE.
 - 4) ALL EQUIPMENT SHALL BE INSTALLED PER THE MANUFACTURE'S RECOMMENDATIONS & INSTALLATION INSTRUCTIONS. PROVIDE ALL NECESSARY COMPONENTS, FITTINGS, ACCESSORIES, WIRING, ETC. FOR A COMPLETE FUNCTIONAL SYSTEM.
 - 5) ALL DUCTWORK & PIPING ON THE CONTRACT DRAWINGS IS SHOWN DIAGRAMMATICALLY & DO NOT SHOW EVERY FITTING, OFFSET, ELBOW, TRANSITION, ETC. THE DRAWINGS ARE PROVIDED TO SHOW THE DESIGN INTENT & ROUTING OF ALL MAJOR SYSTEMS. THE HVAC CONTRACTOR SHALL FIELD VERIFY & COORDINATE WITH ALL TRADES & BUILDING COMPONENTS TO PROVIDE A COMPLETE & FUNCTIONING SYSTEM AS IT RELATES TO HVAC. THE HVAC CONTRACTOR SHALL PROVIDE ALL THE NECESSARY FITTINGS, TRANSITIONS, OFFSETS, ELBOWS, ACCESSORIES, FLEXIBLE CONNECTORS, SPRING ISOLATORS, HANGERS, ETC. AS REQUIRED FOR A COMPLETE, OPERATIONAL, & CODE COMPLIANT SYSTEM(S) UTILIZING INDUSTRY STANDARDS.
 - 6) ALL VAV BOXES WILL BE PROVIDED W/ 120V POWER WIRING BY ELECTRICAL CONTRACTOR. POWER WIRING SHALL TERMINATE IN JUNCTION BOX PROVIDED BY ELECTRICAL CONTRACTOR. ATC CONTRACTOR SHALL PROVIDE TRANSFORMER IN SEPARATE JUNCTION BOX & THEN 24 V CONTROL WIRING TO VAV CONTROL PANEL. REFER TO CONTROL DWGS.
 - 7) VOLUME DAMPERS INDICATED ON DUCTWORK DRAWINGS REPRESENT LOCATIONS WHERE THESE ARE REQUIRED & INTENDED, HOWEVER IT DOES NOT REPRESENT ALL NECESSARY LOCATIONS. REFER TO DUCT/BRANCH DETAILS FOR FURTHER VOLUME DAMPER REQUIREMENTS IN ALL BRANCH/DIFFUSER DUCTS.
 - 8) ALL DRYER DUCTWORK SHALL BE FRICTION FIT W/ TAPED JOINTS. NO MECHANICAL FASTENERS SHALL BE USED. PROVIDE NECESSARY FITTINGS & DUCTWORK FROM DRYER TO OUTSIDE WALL CAP.

UPTON COMMUNITY CENTER
9 MILFORD STREET, UPTON, MA 01568
100% CD-COMFORMANCE SET ATTENDA 1-4 INCORPORATED 10/6/2021

TITLE:
HVAC FIRST FLOOR DUCTWORK PLAN

JOB NUMBER:
20-05
DRAWN BY:
TRB
CHECKED BY:
DBP

DATE:
09/8/2021
SCALE:
As indicated

SHEET NO:
M101

09/20/21 10:56 AM



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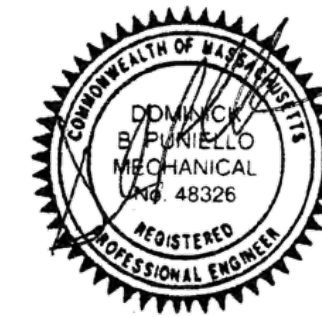
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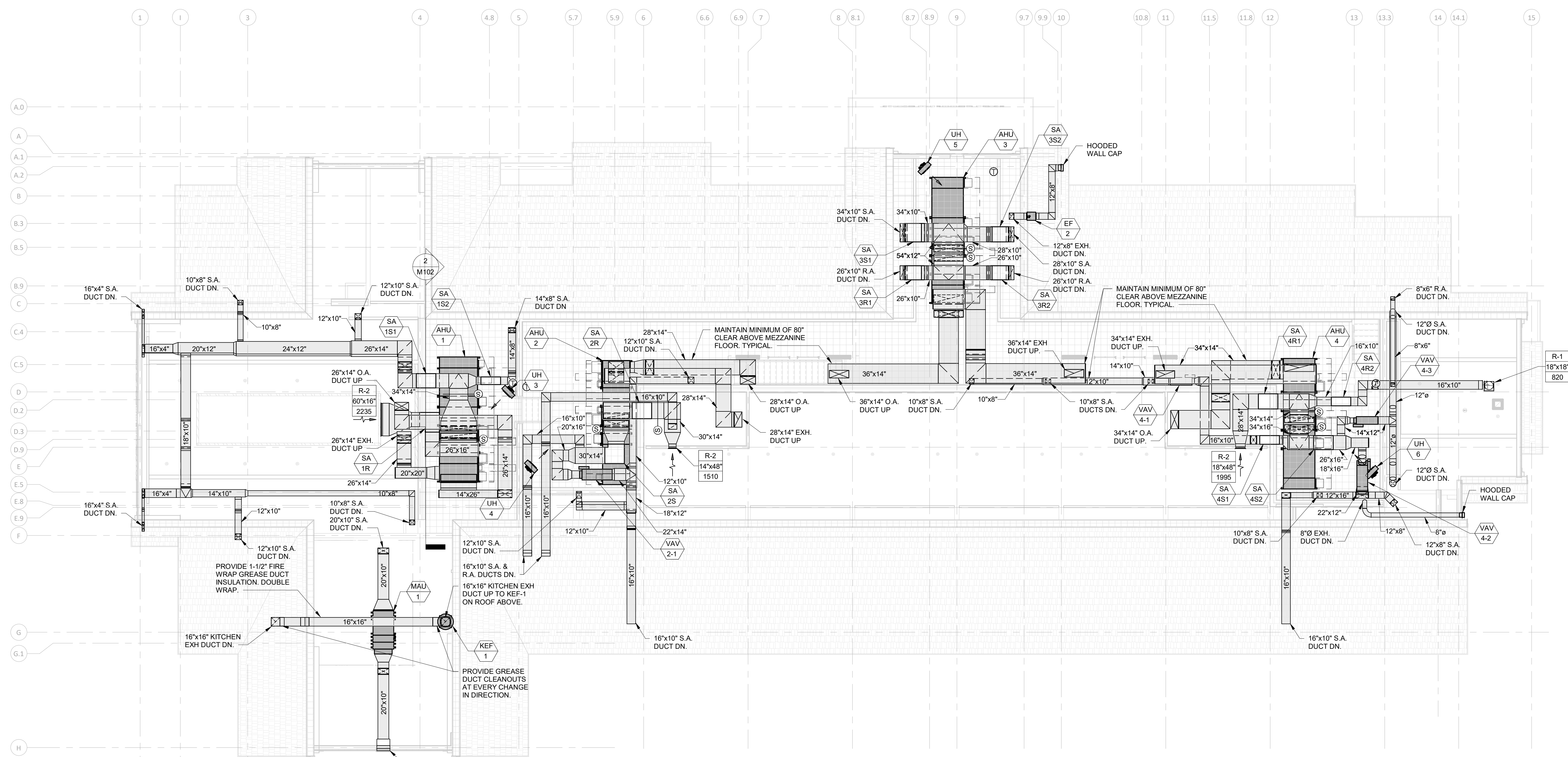
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CONSULTING ENGINEERS P.L.C.
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508.748.2444 phone, 508.748.2444 fax

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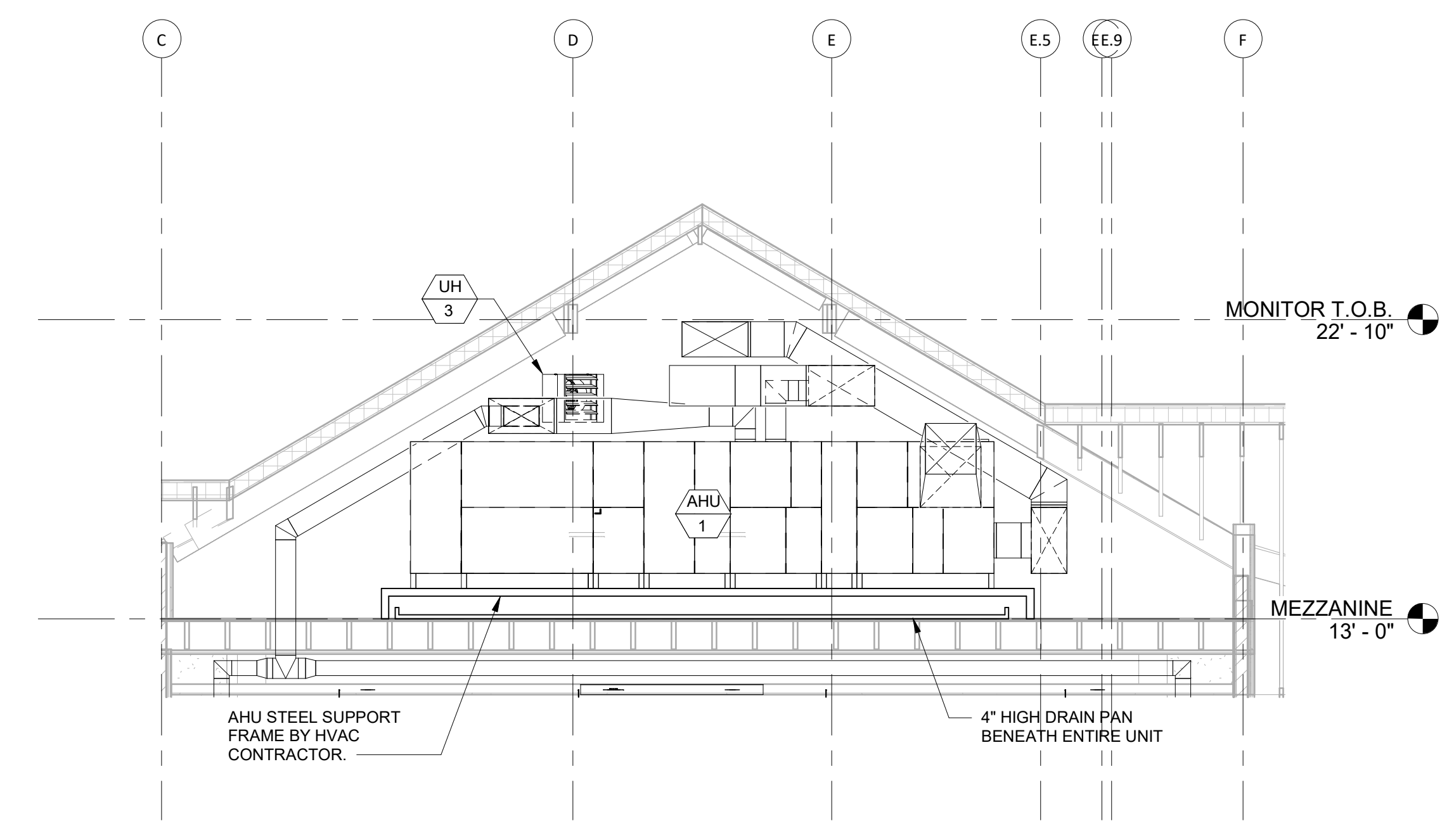


REVISIONS:

No.	Description	Date
R-1	18"x18" 820	



1 MEZZANINE LEVEL DUCTWORK PLAN - HVAC
1/8" = 1'-0"



2 SECTION THRU MEZZANINE MECHANICAL ROOM - AHU-1
1/4" = 1'-0"

- DUCTWORK DRAWING NOTES:**
- 1) PROVIDE ALL NECESSARY DUCT TRANSITIONS, OFFSET, FASTENERS, ELBOWS & CLIPS FOR A COMPLETE CONNECTION FROM THE DUCT MAIN TO THE VAV BOX THEN TO THE DISPLACEMENT DIFFUSER. UTILIZE DUCT SEALANT & MECHANICAL FASTENERS FOR AN AIRTIGHT SEAL. PROVIDE SUPPLEMENTAL STRUCTURAL SUPPORTS AS REQUIRED FOR THE INSTALLATION OF VAV BOX & ANY TYPE OF DISPLACEMENT DIFFUSER INCLUDING WALL BRACING IF NECESSARY.
 - 2) REFER TO THE REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED EQUIPMENT & COMPONENTS. IF IT IS NOT INDICATED ON THE REFLECTED CEILING PLANS CONTACT A/E IN WRITING PRIOR TO INSTALLATIONS.
 - 3) ALL RTU'S & MAU'S SHALL BE PROVIDED W/ SUPPLY & RETURN AIR DUCT MOUNTED SMOKE DETECTORS. THE DUCT MOUNTED SMOKE DETECTORS SHALL BE INSTALLED BY THE HVAC CONTRACTOR. FIRE ALARM INTERLOCK, POWER, WIRING, & FURNISHING OF THE DETECTOR SHALL BE BY THE ELECTRICAL CONTRACTOR. UNIT SHUT DOWN UPON ACTIVATION WILL BE PROVIDED BY THE ATC CONTRACTOR. PROVIDE NECESSARY WIRING, PROGRAMMING, & COMPONENTS TO ACHIEVE THE DESIRED SEQUENCE.
 - 4) ALL EQUIPMENT SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS & INSTALLATION INSTRUCTIONS. PROVIDE ALL NECESSARY COMPONENTS, FITTINGS, ACCESSORIES, WIRING, ETC. FOR A COMPLETE FUNCTIONAL SYSTEM.
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UPTON COMMUNITY CENTER
9 MILFORD STREET, UPTON, MA 01568
 100% CD-CONFORMANCE SET ADDENDA 1-4 INCORPORATED 10/6/2021

HVAC MEZZANINE DUCTWORK PLAN
 JOB NUMBER: 20-05
 DRAWN BY: TRB
 CHECKED BY: DBP
 DATE: 09/8/2021
 SCALE: As indicated
 SHEET NO: **M102**



Turowski2 Architecture

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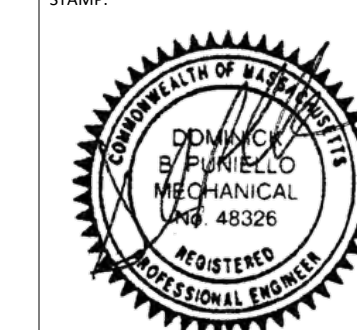
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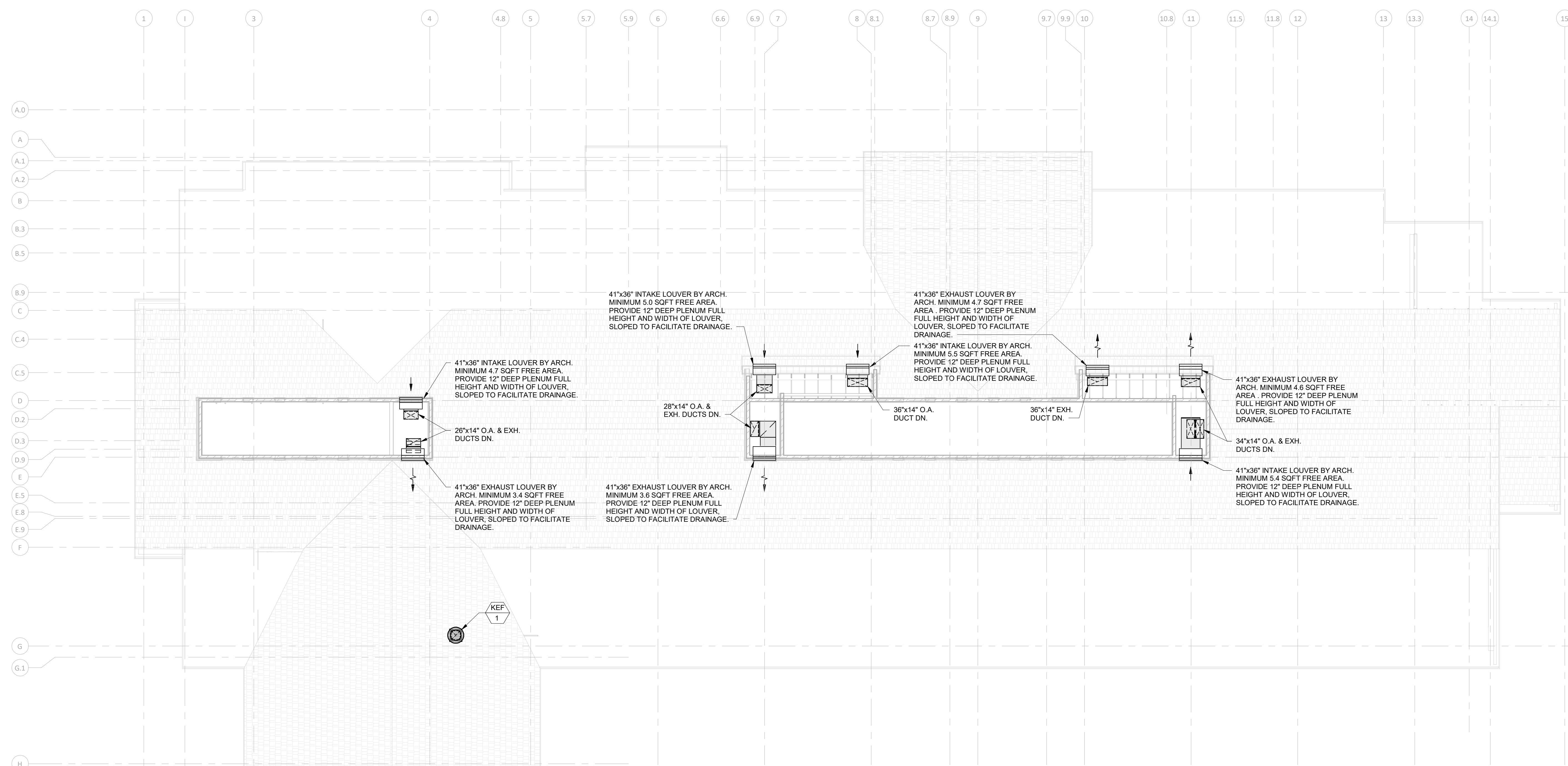
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ENGINEERS, P.C.
180 Forest Green Road, Southwick, MA 01901
508-850-9191 Fax: 508-850-9192

STAMP:



REVISIONS:

No.	Description	Date
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1 UPPER MONITOR PLAN - HVAC
1/8" = 1'-0"

DUCTWORK DRAWING NOTES:

- 1) PROVIDE ALL NECESSARY DUCT TRANSITIONS, OFFSET, FASTENERS, ELBOWS & CLIPS FOR A COMPLETE CONNECTION FROM THE DUCT MAIN TO THE VAV BOX. THEN TO THE DISPLACEMENT DIFFUSER. UTILIZE DUCT SEALANT & MECHANICAL FASTENERS FOR AN AIRTIGHT SEAL. PROVIDE SUPPLEMENTAL STRUCTURAL SUPPORTS AS REQUIRED FOR THE INSTALLATION OF VAV BOX & ANY TYPE OF DISPLACEMENT DIFFUSER INCLUDING WALL BRACING IF NECESSARY.
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UPTON COMMUNITY CENTER
9 MILFORD STREET, UPTON, MA 01568
100% CD-CONFORMANCE SET ADDENDA 1-4 INCORPORATED 10/6/2021

TITLE:
HVAC UPPER
MONITOR
PLAN

JOB NUMBER:
20-05

DRAWN BY:
TRB

CHECKED BY:
DBP

DATE:
09/8/2021

SCALE:
As indicated

SHEET NO.:
M103



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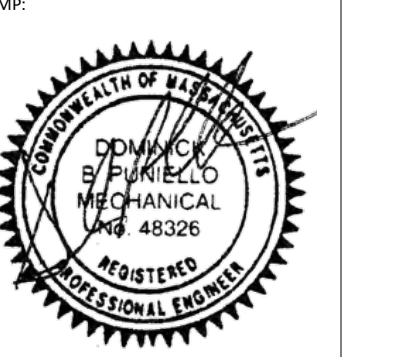
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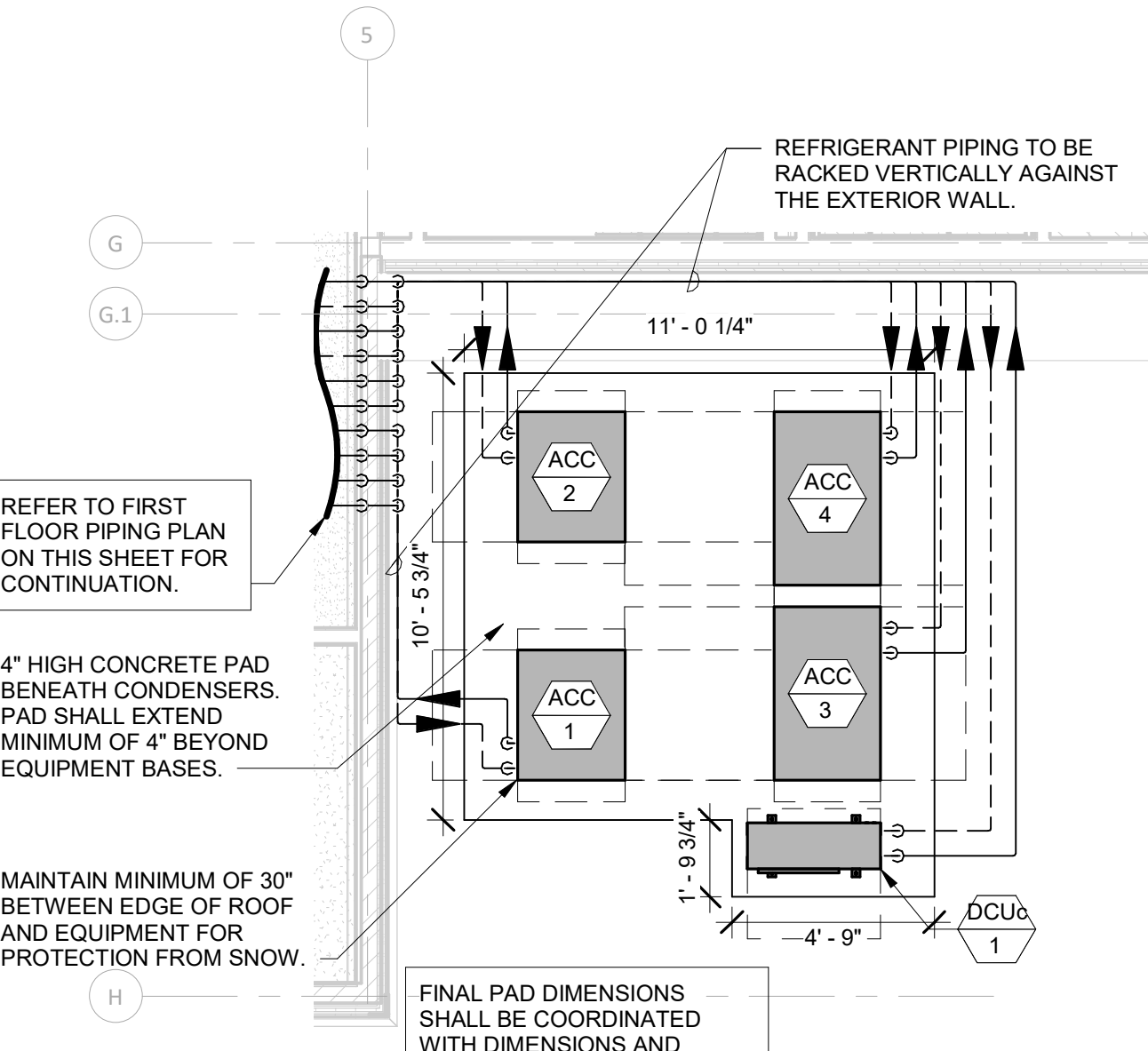
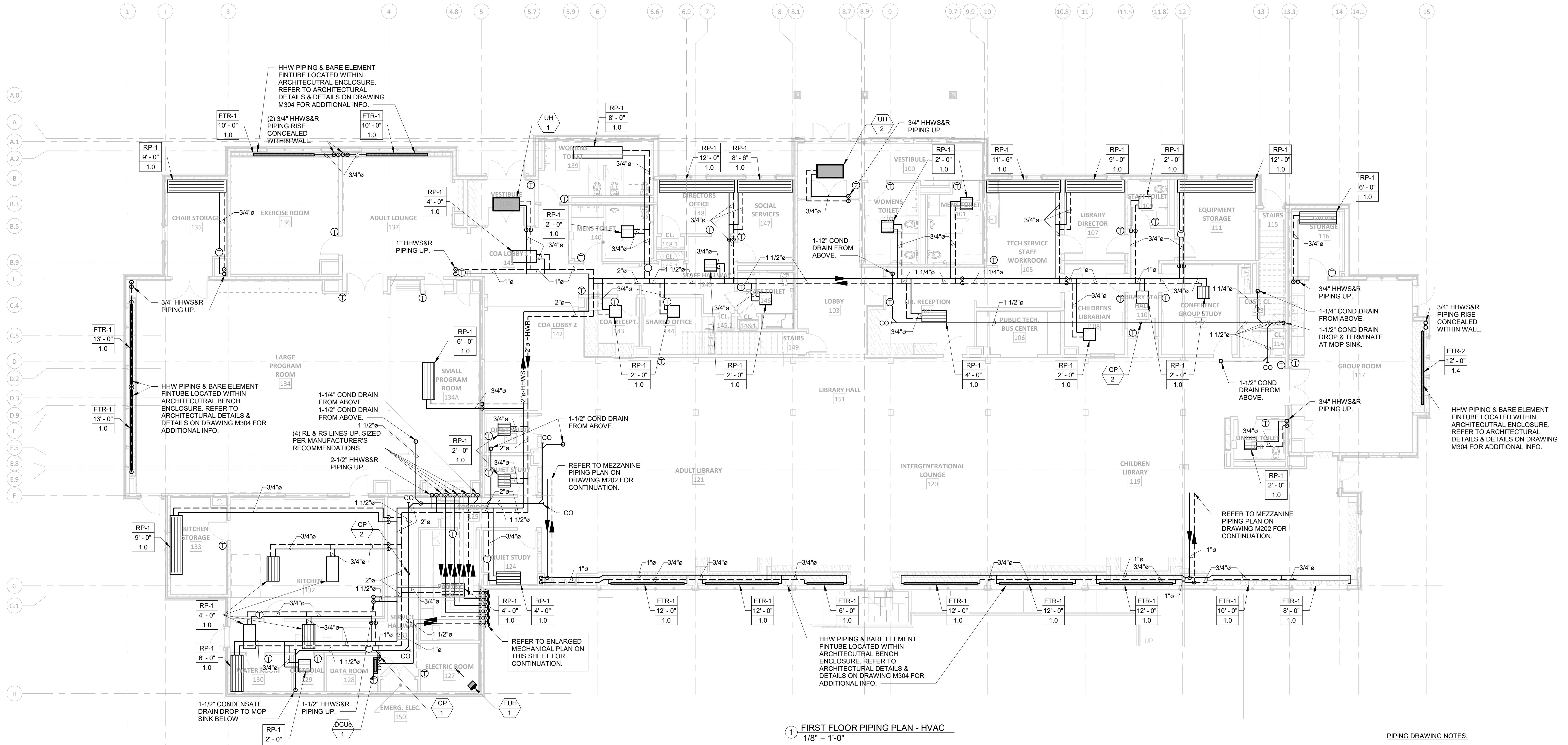


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REVISIONS:

No. Description Date



- PIPING DRAWING NOTES:
- 1) REFER TO THE REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED EQUIPMENT & COMPONENTS. IF IT IS NOT INDICATED ON THE REFLECTED CEILING PLANS CONTACT ARE IN WRITING PRIOR TO INSTALLATIONS.
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 - 6) ALL RADIANT PANELS SHALL BE FED W/ ONE SET OF INSULATED 3/4\"/>
 - 7) UTILIZE TRAPEZE HANGER/UNISTRUT WHERE MULTIPLE PIPING SYSTEMS ARE TRAVELING TO MINIMIZE CONGESTION. REFER TO DETAIL FOR FURTHER INFORMATION. PROVIDE INSULATION SHIELDS AT EACH POINT OF CONTACT BETWEEN PIPE INSULATION & ANY STYLE HANGER.
 - 8) BRAIDED STAINLESS STEEL FLEXIBLE HOSES MAY BE UTILIZED FOR RADIANT PANEL PIPE CONNECTION TO COPPER BRANCH PIPING.
 - 9) ALL REFRIGERANT LIQUID AND REFRIGERANT SUCTION LINES SHALL BE SIZED AND INSTALLED PER MANUFACTURERS RECOMMENDATIONS.

UPTON COMMUNITY CENTER
9 MILFORD STREET, UPTON, MA 01568
100% CD-COMFORMANCE SET ADDENDA 1-4 INCORPORATED 10/6/2021

PROJECT: HVAC FIRST FLOOR PIPING PLAN
JOB NUMBER: 20-05
DRAWN BY: TRB
CHECKED BY: DBP
DATE: 09/8/2021
SCALE: AS indicated
SHEET NO: M201



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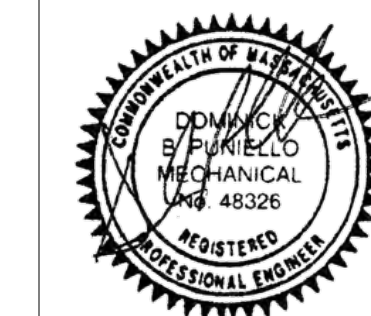
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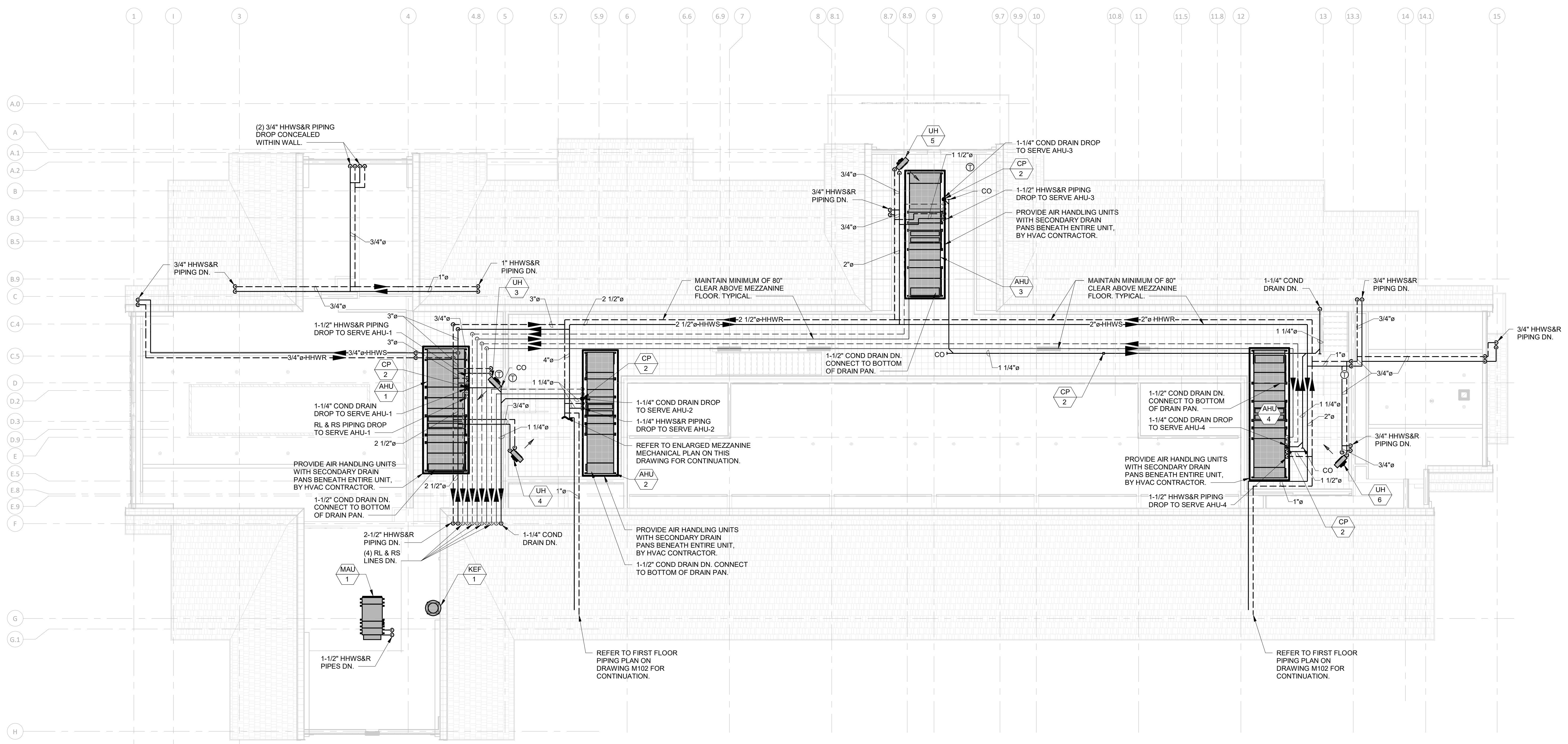
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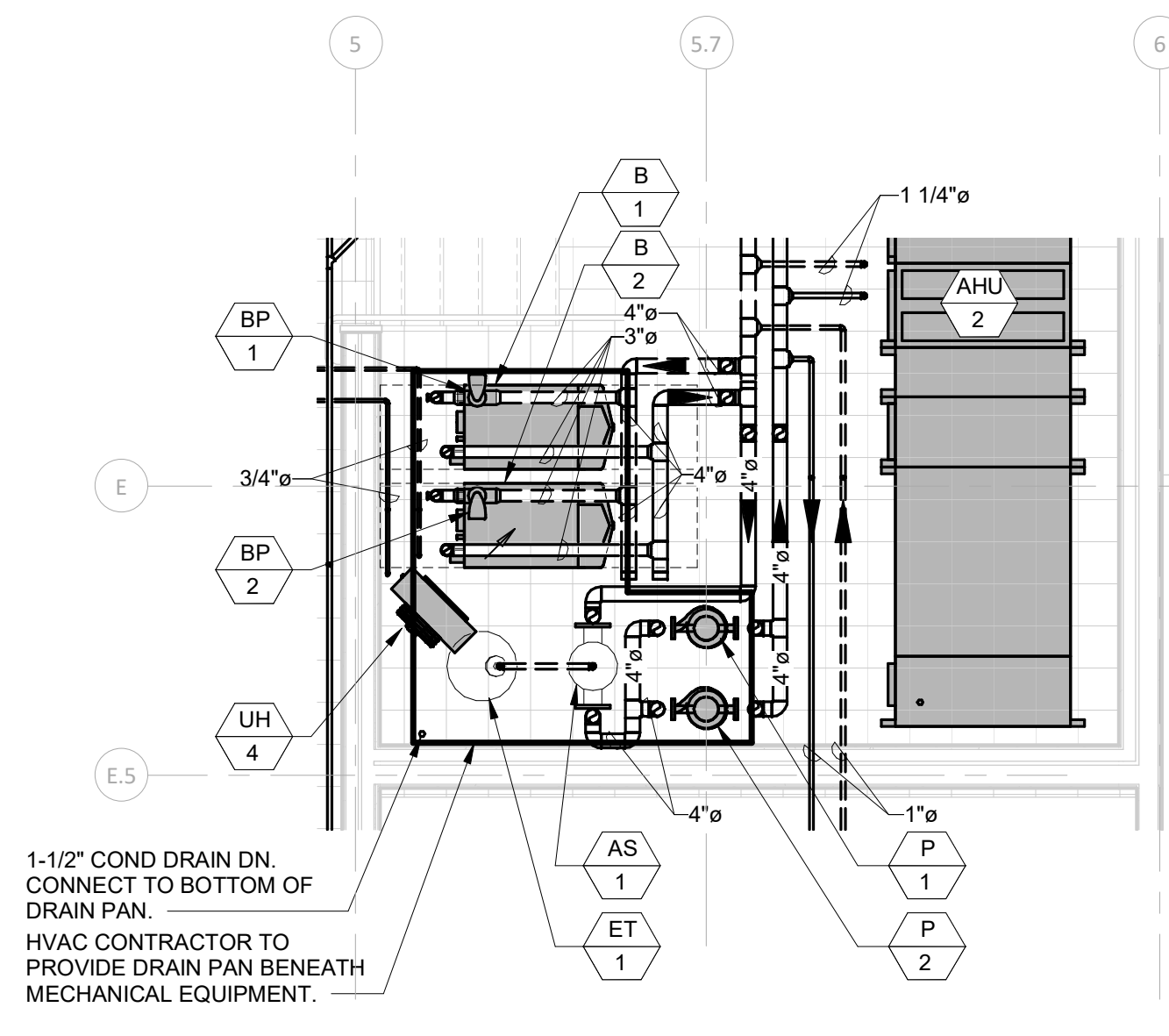


REVISIONS:

No.	Description	Date



1 MEZZANINE LEVEL PIPING PLAN - HVAC
1/8" = 1'-0"



2 ENLARGED MEZZANINE LEVEL PLAN - HVAC
1/4" = 1'-0"

- PIPING DRAWING NOTES:
- REFER TO THE REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED EQUIPMENT & COMPONENTS. IF IT IS NOT INDICATED ON THE REFLECTED CEILING PLANS CONTACT ME IN WRITING PRIOR TO INSTALLATIONS.
 - ALL EQUIPMENT SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS & INSTALLATION INSTRUCTIONS. PROVIDE ALL NECESSARY COMPONENTS, FITTINGS, ACCESSORIES, WIRING, ETC. FOR A COMPLETE FUNCTIONAL SYSTEM.
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 - ALL RADIANT PANELS SHALL BE FED W/ ONE SET OF INSULATED 3/4" HHWS & HHWR PIPES UNLESS NOTED OTHERWISE. RADIANT PANEL MANUFACTURER AND/OR HVAC CONTRACTOR SHALL PROVIDE ALL HEADERS AND/OR CIRCUITS REQUIRED FOR LINEAR PANELS W/ HIGH PRESSURE DROPS OVER 3 FEET W.C. ALONG W/ ANY TRIM CONNECTORS, INTERCONNECTING PIPES, END PIECES, MOUNTING ARMS & SUPPORTS FOR A COMPLETE & OPERATIONAL SYSTEM WHILE MAINTAINING A SEAMLESS LOOK.
 - UTILIZE TRAPEZE HANGER/UNISTRUT WHERE MULTIPLE PIPING SYSTEMS ARE TRAVELING TO MINIMIZE CONGESTION. REFER TO DETAIL FOR FURTHER INFORMATION. PROVIDE INSULATION SHIELDS AT EACH POINT OF CONTACT BETWEEN PIPE INSULATION & ANY STYLE HANGER.
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 - ALL REFRIGERANT LIQUID AND REFRIGERANT SUCTION LINES SHALL BE SIZED AND INSTALLED PER MANUFACTURERS RECOMMENDATIONS.

UPTON COMMUNITY CENTER
9 MILFORD STREET, UPTON, MA 01568
100% CD-COMFORMANCE SET ADDENDA 1-4 INCORPORATED 10/6/2021

TITLE:
HVAC
MEZZANINE
PIPING PLAN

JOB NUMBER:
20-05

DRAWN BY:
TRB

CHECKED BY:
DBP

DATE:
09/8/2021

SCALE:
As indicated

SHEET NO.:

M202

REVISED: 2020/09



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CONSULTANT:



GARCIA-GALUSKA-DESOUZA
CONSULTANT



REVISIONS:

Table with 3 columns: No., Description, Date

Table with 3 columns: No., Description, Date

UPTON COMMUNITY CENTER
9 MILFORD STREET, UPTON, MA 01568
100% CD-CONFORMANCE SET ADDENDA 1-4 INCORPORATED 10/16/2021

HVAC SCHEDULES

DATE: 09/8/2021

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

SHEET NO: M301

AIR HANDLING UNITS

Table with columns: UNIT NO., MANUF. NO., TOTAL C.F.M., RA C.F.M., DESIGN O.A. C.F.M., E.A. C.F.M., COOLING LAT, HEATING LAT, S.A. C.F.M., TOTAL C.L.G. EFF., HTG. EFF., D.B., W.B., D.B., W.B., E.D.B., E.W.B., L.D.B., L.W.B., SEN. MBH, TOT. MBH, HEAT PUMP HEATING, ENT. AIR, LVG. AIR, AIR P.D., WAT. P.D., HW GPM, HTG., REHEAT WHEEL, VAV CONTROL, SUPPLY FAN MOTOR, RETURN FAN MOTOR, ELECTRICAL, WEIGHT (LBS), REMARKS

SELECTIONS BASED ON "DAIKIN"
AIR HANDLING UNIT SHALL MANUFACTURER SHALL PROVIDE VARIABLE FREQUENCY DRIVE FOR TOTAL ENERGY WHEEL MOTOR & REHEAT WHEEL MOTOR. VARIABLE FREQUENCY DRIVES SHALL BE PROVIDED IN ACCORDANCE WITH DIV. 26000 REQUIREMENTS.
NOTES: 1. HEATING EWT=160°F, LWT=140°F
2. 35% PROPYLENE GLYCOL IN HHW
3. PROVIDE MERV 8 OA AND RA PRE-FILTERS & COMBINATION MERV 8 / MERV 14 FINAL FILTERS.
4. ALL AHU'S TO HAVE FACTORY INSTALLED UV-C LIGHTS FOLLOWING THE COOLING COIL, POWERED FROM AHU SINGLE POINT POWER.
5. SIZE EXHAUST FAN ARRAYS FOR ECONOMIZER MODE OF OPERATION (FULL RETURN AIRFLOW).
6. PROVIDE WITH SINGLE POINT POWER (120V FEED FOR LIGHTS AND RECEPTACLES TO BE FED FROM UNIT SINGLE POINT POWER BY UNIT MANUFACTURER).
7. VAV INTEGRATION CONTROLLER / EXPANSION VALVES SHALL BE FACTORY INSTALLED, WIRED, PIPED, AND POWERED FROM THE AHU SINGLE POINT POWER.
8. ALL PIPING AND WIRING FROM AHU TO ASSOCIATED ACC TO BE DONE IN FIELD.
9. PROVIDE EC FAN ARRAY CONTROLLER WITH BACNET CAPABILITY AND DIGITAL DISPLAY. CONTROLLER TO ACCEPT A SINGLE 0-10V SIGNAL FROM ATC FIELD MOUNTED CONTROLLER. EC CONTROLLER SHALL TOTALIZE ALL FANS WITHIN ITS ARRAY FOR UTILIZATION BY THE ATC FIELD MOUNTED CONTROLLER. FAN ARRAY TO BE ABLE TO ACCOMPLISH 10-1 TURNDOWN AUTOMATICALLY.

AIR HANDLING EQUIPMENT SOUND POWER DATA

Table with columns: UNIT NO., DISCHARGE (@ S.A. DUCT CONN.), INLET (@ R.A. DUCT CONN.), RADIATED, REMARKS

VIBRATION ISOLATION SCHEDULE

Table with columns: UNIT(S), ISOLATOR TYPE, MIN. STATIC DEFLECTION (IN.), BASE TYPE, REMARKS

AIR HANDLING UNIT VRF OUTDOOR UNITS

Table with columns: UNIT NO., MANUF. NO., BUILDING LOCATION, RATED COOLING MBH @ 95°F, RATED HEATING MBH @ 95°F, EFFICIENCIES, COP, CFM, V, PH, MCA, MOP, WEIGHT (LBS), SIZE (W x D x H), REMARKS

SELECTIONS BASED ON "DAIKIN"
ALL ACC'S SHALL BE MOUNTED ON 18" HIGH SUPPORT STANDS.

DUCTLESS COOLING UNIT SYSTEMS

Table with columns: UNIT NO., MANUF. NO., EVAP. LOCATION, COND. PUMP, EVAPORATOR UNITS, CONDENSER UNITS, MIN. EER, REMARKS

SELECTION BASED ON "MITSUBISHI". PROVIDE REMOTE T-STAT, LOW AMBIENT CONTROL WHERE INDICATED AND INTERNAL MOUNTED CONDENSATE PUMP OF MODEL LISTED ABOVE. CFM BASED ON FANS SET AT LOW SPEED. PROVIDE WITH MATCHING AIR COOLED CONDENSING UNIT AS SCHEDULED. ALL REFRIGERANT TUBING SHALL BE SIZED BY UNIT MANUFACTURER. PROVIDE ALL NECESSARY JOINT KITS, FITTINGS AND ACCESSORIES FOR A COMPLETE OPERATING SYSTEM PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE NECESSARY EQUIPMENT FOR BAS INTERFACE.

DISPLACEMENT DIFFUSERS

Table with columns: UNIT NO., MANUF. NO., SIZE, FACE VELOCITY, DUCT CONNECTION, REMARKS, CFM @ 40 FPM

SELECTION BASED ON "PRICE" FINISH AND COLOR TO BE BY ARCH.
NOTE 1: HVAC CONTRACTOR TO PROVIDE 1/2" DEEP FIELD-FABRICATED PLENUM BEHIND DIFFUSER.
NOTE 2: HVAC CONTRACTOR TO PROVIDE 1/2" DEEP FIELD-FABRICATED PLENUM BEHIND DIFFUSER.
NOTE 3: HVAC CONTRACTOR TO PROVIDE MUD FRAME FOR FLANGELESS INSTALLATION.

REGISTER

Table with columns: NO., STYLE

DIFFUSER

Table with columns: NO., STYLE

AIR SEPARATOR

Table with columns: UNIT NO., MANUF. NO., SERVICE, GPM/WPD, REMARKS

SELECTION BASED ON "TACO"

UNIT HEATERS (ELECTRIC)

Table with columns: UNIT NO., MANUF. NO., CFM, COIL KW, POWER MBH, FAN PH, REMARKS

SELECTION BASED ON "Q-MARK"
REFER TO FLOOR PLAN DRAWINGS FOR LOCATIONS
PROVIDE WITH MOUNTING BRACKET

CONSTANT VOLUME REGULATORS

Table with columns: UNIT NO., MANUF. NO., DIA. (INCHES), MIN. CFM, MAX. CFM, REMARKS

SELECTION BASED ON "ALDES"
UNIT NUMBERS ARE FOR TYPE ONLY. REFER TO FLOOR PLANS FOR QUANTITIES

RADIANT HEATING PANELS

Table with columns: UNIT NO., PANEL WIDTH, # OF TUBES, BTU/HLF, GPM, REMARKS

SELECTION BASED ON "PRICE", 160" EWT, 20" WTD, 150" AWI W/ 35% PROPYLENE GLYCOL CONCENTRATION BY WEIGHT. INFORMATION ABOVE BASED ON 4' ACTIVE LENGTH. REFER TO DRAWINGS FOR PANEL LENGTH. CONFIRM MOUNTING LOCATIONS WITH ARCHITECT. PROVIDE END CAP TRIM ON EACH SIDE OF PANEL.

FIN-TUBE RADIATION SCHEDULE (HYDRONIC)

Table with columns: TAG NO., MANUFACTURER, MODEL NUMBER, BTU PER FT, PIPE SIZE (IN), PIPE MTRL, FIN SIZE, FINS PER FOOT, FIN MTRL, ROWS, REMARKS

SELECTION BASED ON "RITTLING", 160" EWT, 20" WTD W/ 35% PROPYLENE GLYCOL CONCENTRATION BY WEIGHT. CFM BASED ON FAN AT HIGH SPEED. PROVIDE 2-ROW COIL FOR ALL CABINET UNIT HEATERS

MAKE-UP AIR HANDLING UNIT

Table with columns: UNIT NO., MANUF. NO., AREA SERVED, TOTAL C.F.M., O.A. C.F.M., MAX. COIL VEL., HEATING DATA, VAV CONTROL, EXTERNAL, SUPPLY FAN MOTOR, REMARKS

SELECTION BASED ON "GREENHECK"
AIR HANDLING UNIT SHALL MANUFACTURER SHALL PROVIDE VARIABLE FREQUENCY DRIVE FOR SUPPLY MOTOR PROVIDED IN ACCORDANCE WITH DIV. 26000 REQUIREMENTS. MANUFACTURER SHALL PROVIDE MICROPROCESSOR CONTROLLER WITH NETWORK INTERFACE (BACNET PROTOCOL) AND REMOTE INTERFACE PANEL.
NOTES: 1. HEATING EWT=160°F, LWT=140°F
2. 35% PROPYLENE GLYCOL IN HHW
3. PROVIDE MERV 8 PRE-FILTERS & MERV 14 FINAL FILTERS
4. PROVIDE MANUFACTURER'S FAN SPEED CONTROLLER. REFER TO CONTROL DRAWING M401 FOR ADDITIONAL INFORMATION.

SOUND ATTENUATORS

Table with columns: UNIT NO., MANUF. NO., MAX PD, AIRFLOW (CFM), LENGTH, INLET SIZE, OUTLET SIZE, MAX VEL FPM, DYNAMIC INSERTION LOSS (dB), SERVICE, REMARKS

SELECTION BASED ON "PRICE"
PROVIDE MANUFACTURER'S ANTI-MICROBIAL CLOTH MEDIA W/O FILM LINING FOR ALL ATTENUATORS



Turowski2 Architecture

P.O. Box 1290
313 Wareham Road
Marion, MA 02738

508.758.9777 phone
508.748.2444 fax

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CONSULTANT:



GARCIA-GALUSKA-DESOSA

CONSULTING ENGINEER REG. NO. 448

180 Franklin Street, Boston, MA 02111

08/01/1971

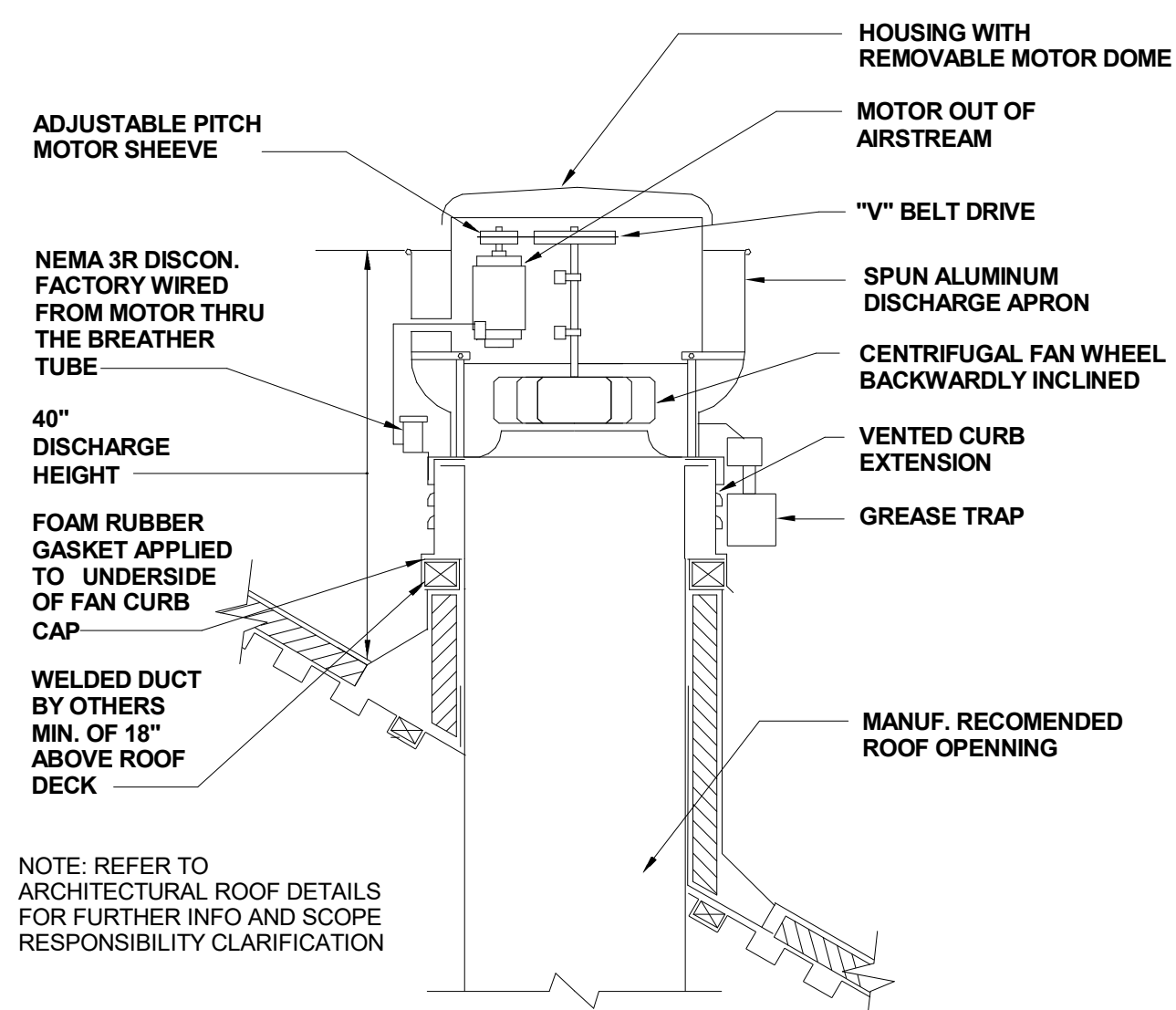
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SEAL NO. 48326

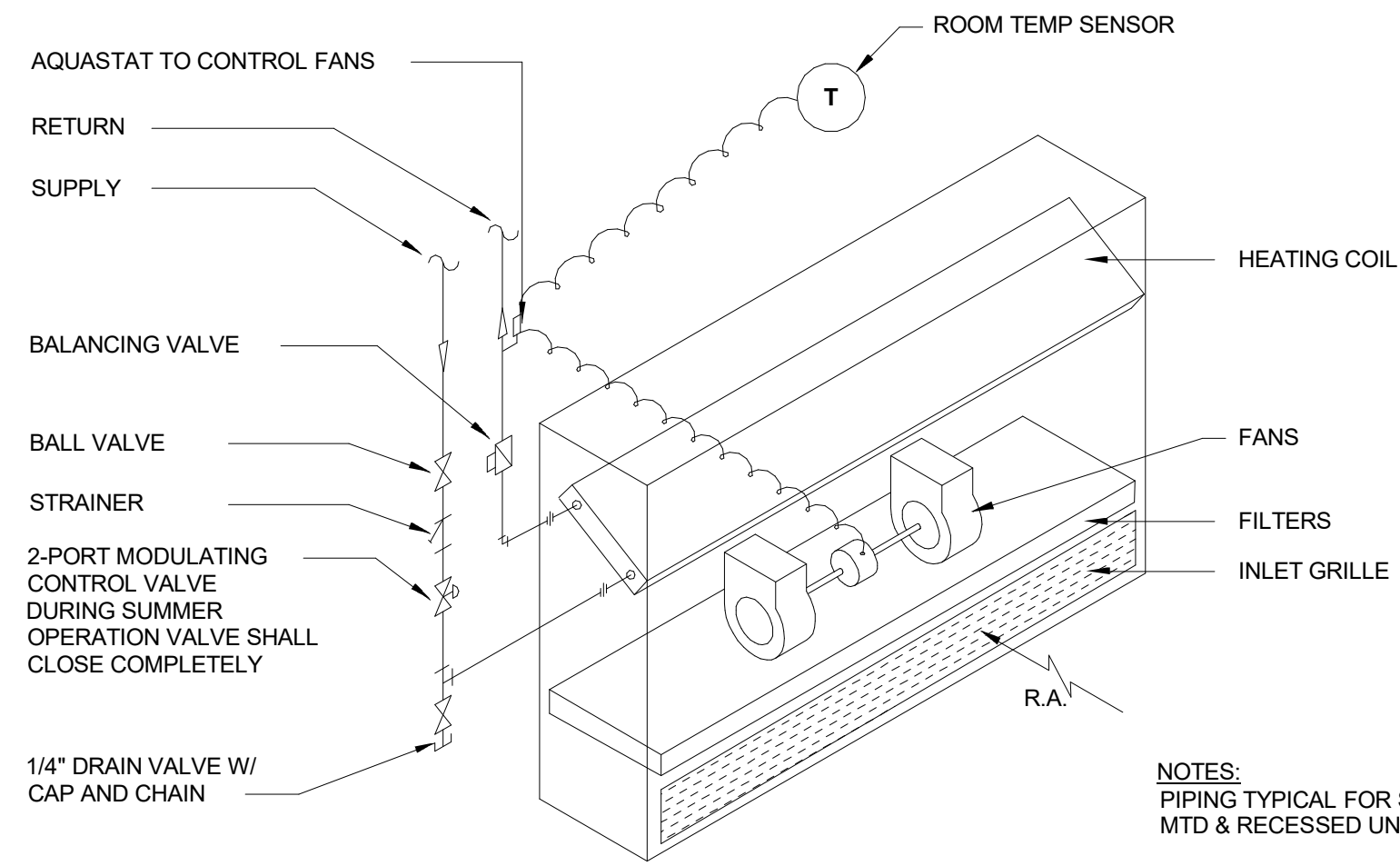
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REVISIONS:

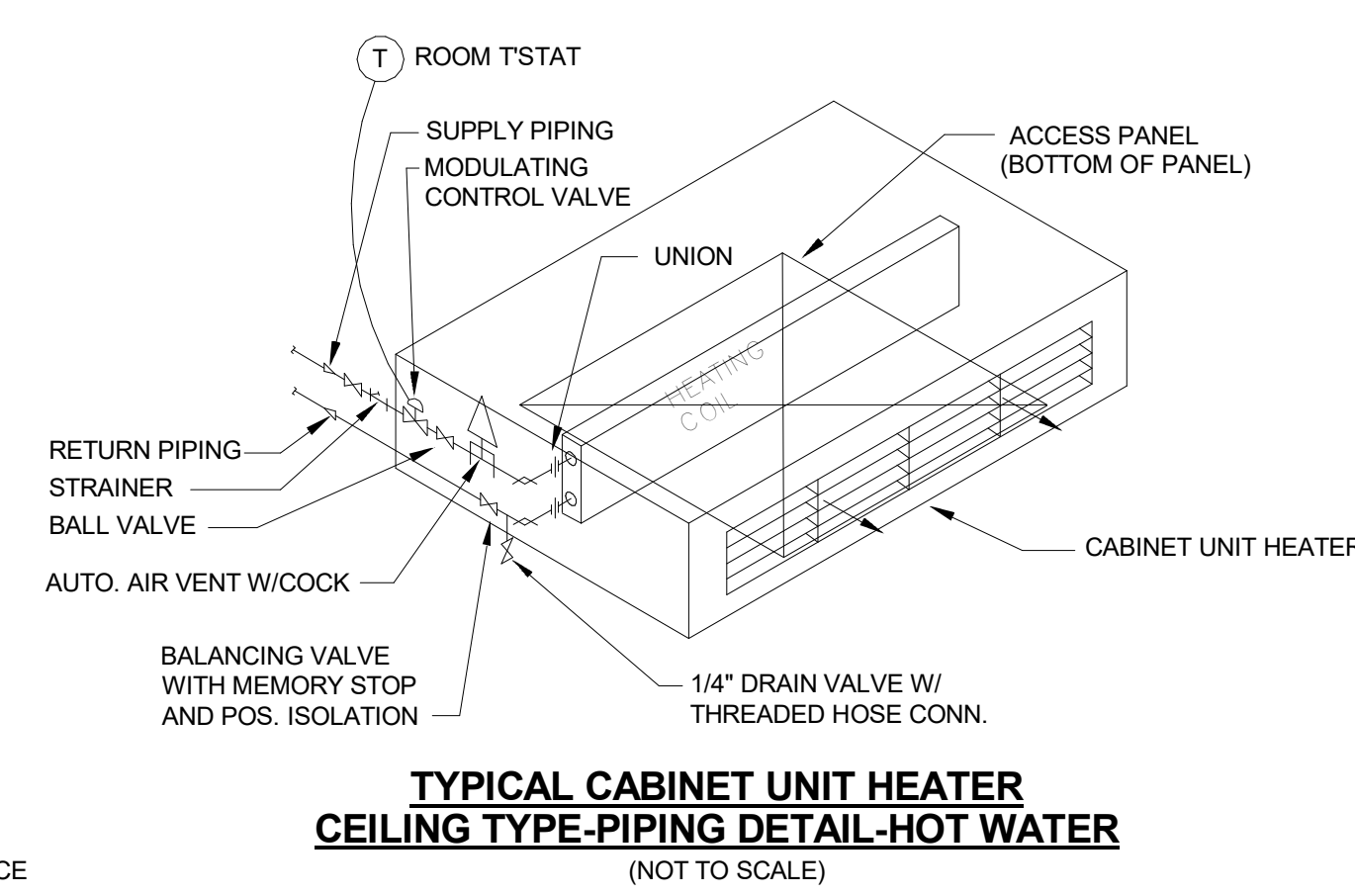
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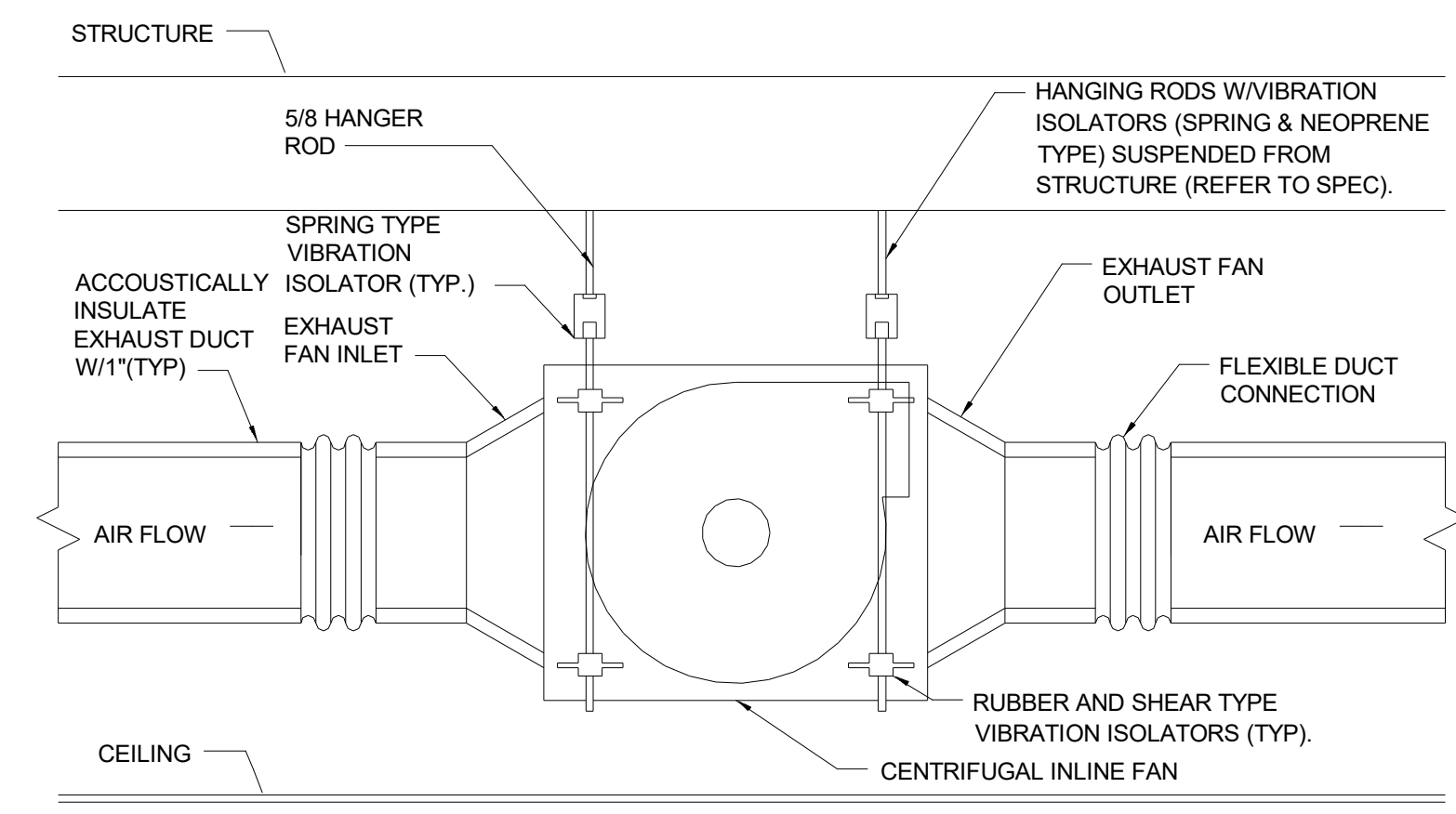
TYPICAL KITCHEN UPBLAST ROOF EXHAUST (NOT TO SCALE)



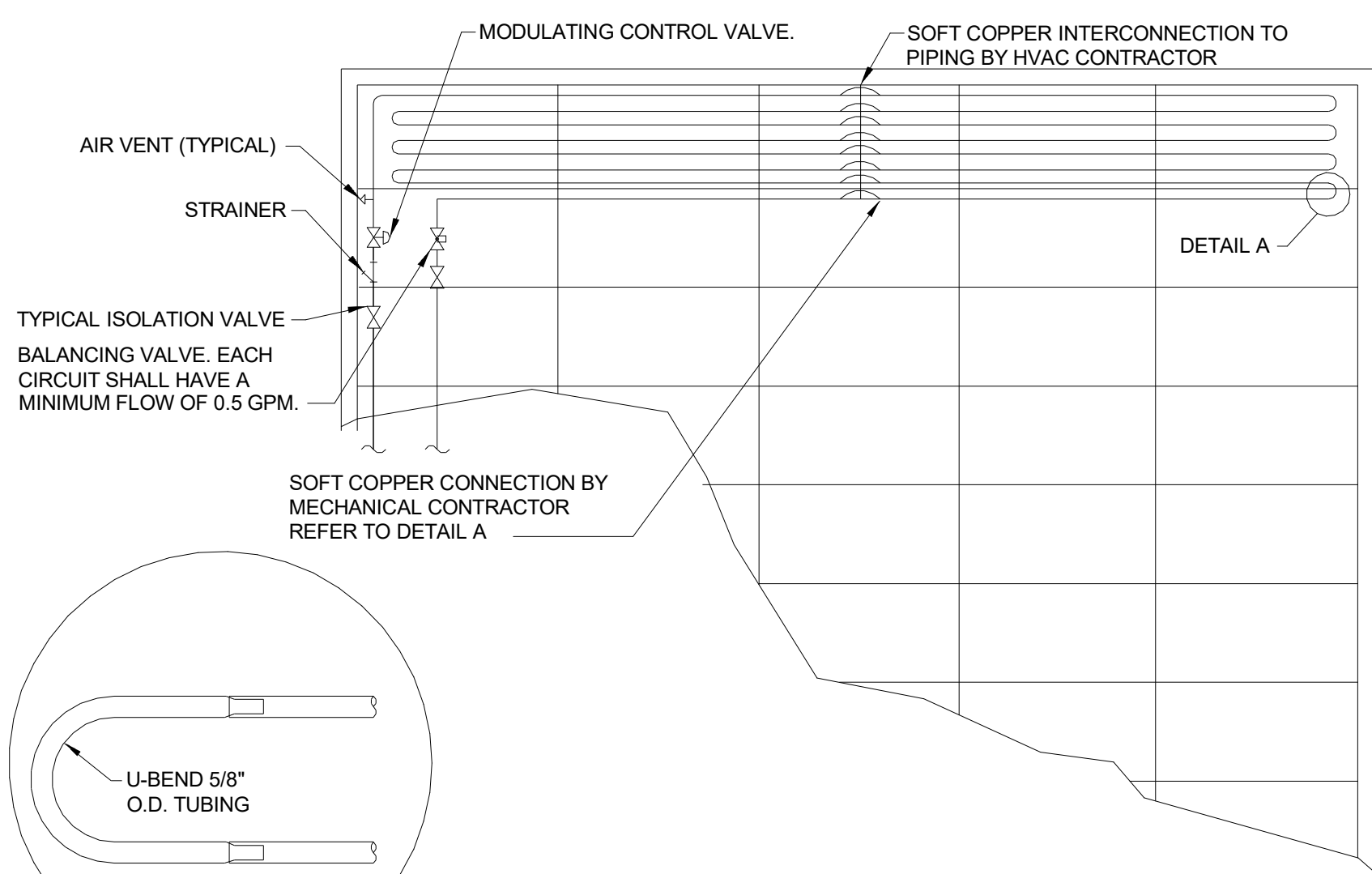
TYPICAL CABINET UNIT HEATER PIPING DETAIL (NOT TO SCALE)



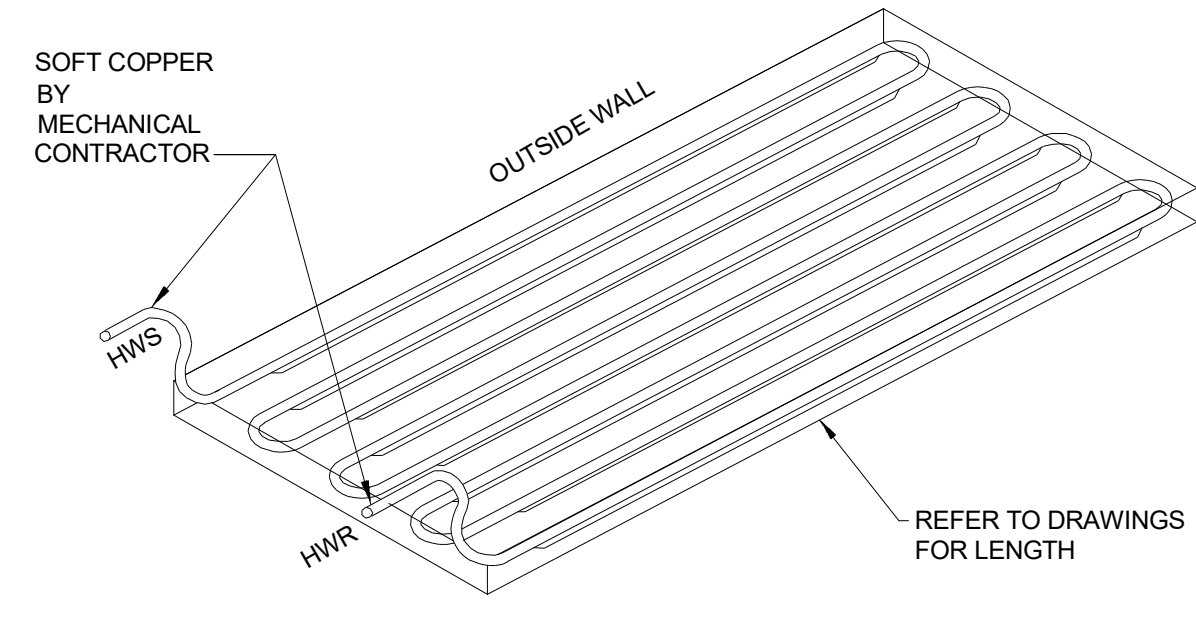
TYPICAL CABINET UNIT HEATER CEILING TYPE-PIPING DETAIL-HOT WATER (NOT TO SCALE)



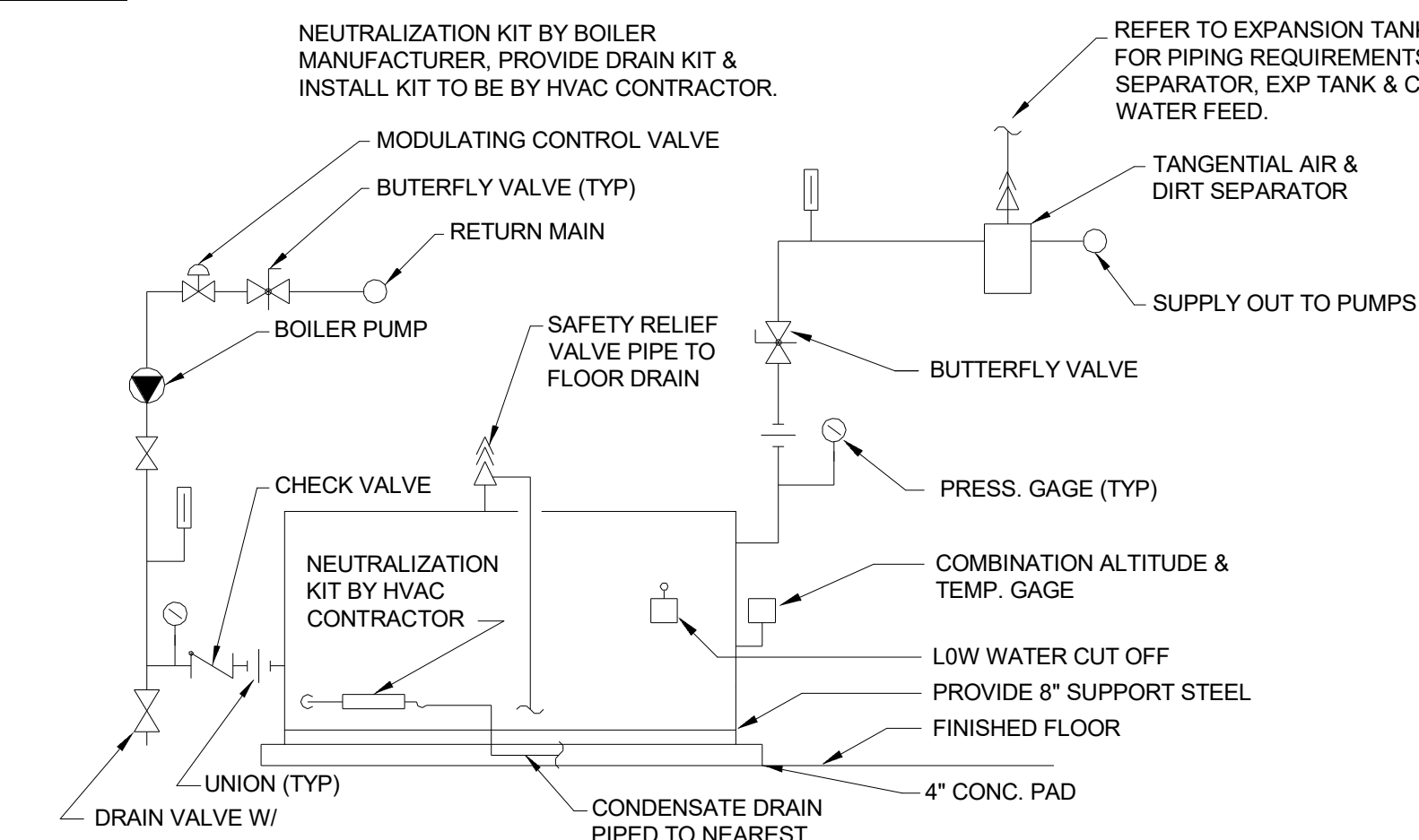
INLINE FAN MOUNTING DETAIL NO SCALE



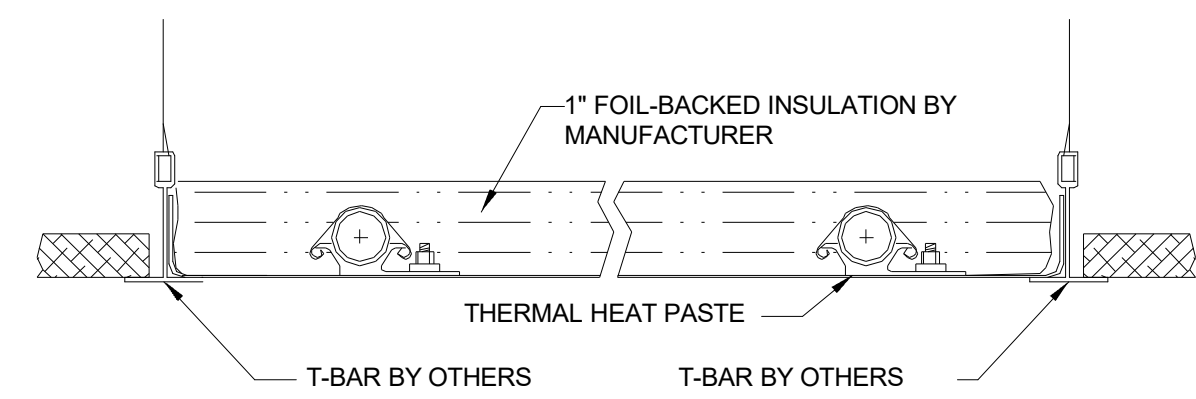
SINGLE CIRCUIT RADIANT HEATING PANEL PIPING DETAIL (NOT TO SCALE)



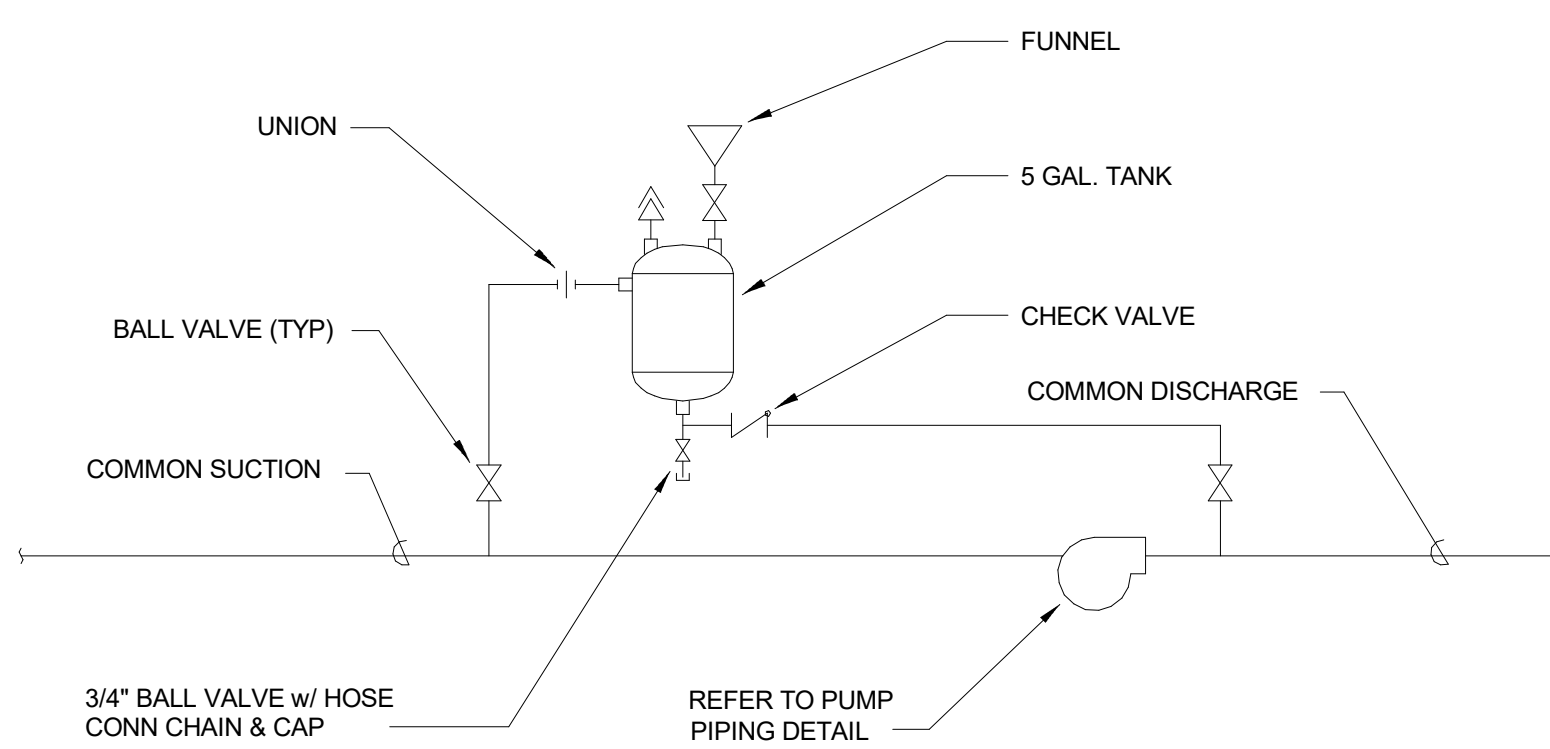
RADIANT HEATING PANEL & LIGHT SHELF PANEL SUPPLY/RETURN CONNECTION DETAIL (NOT TO SCALE)



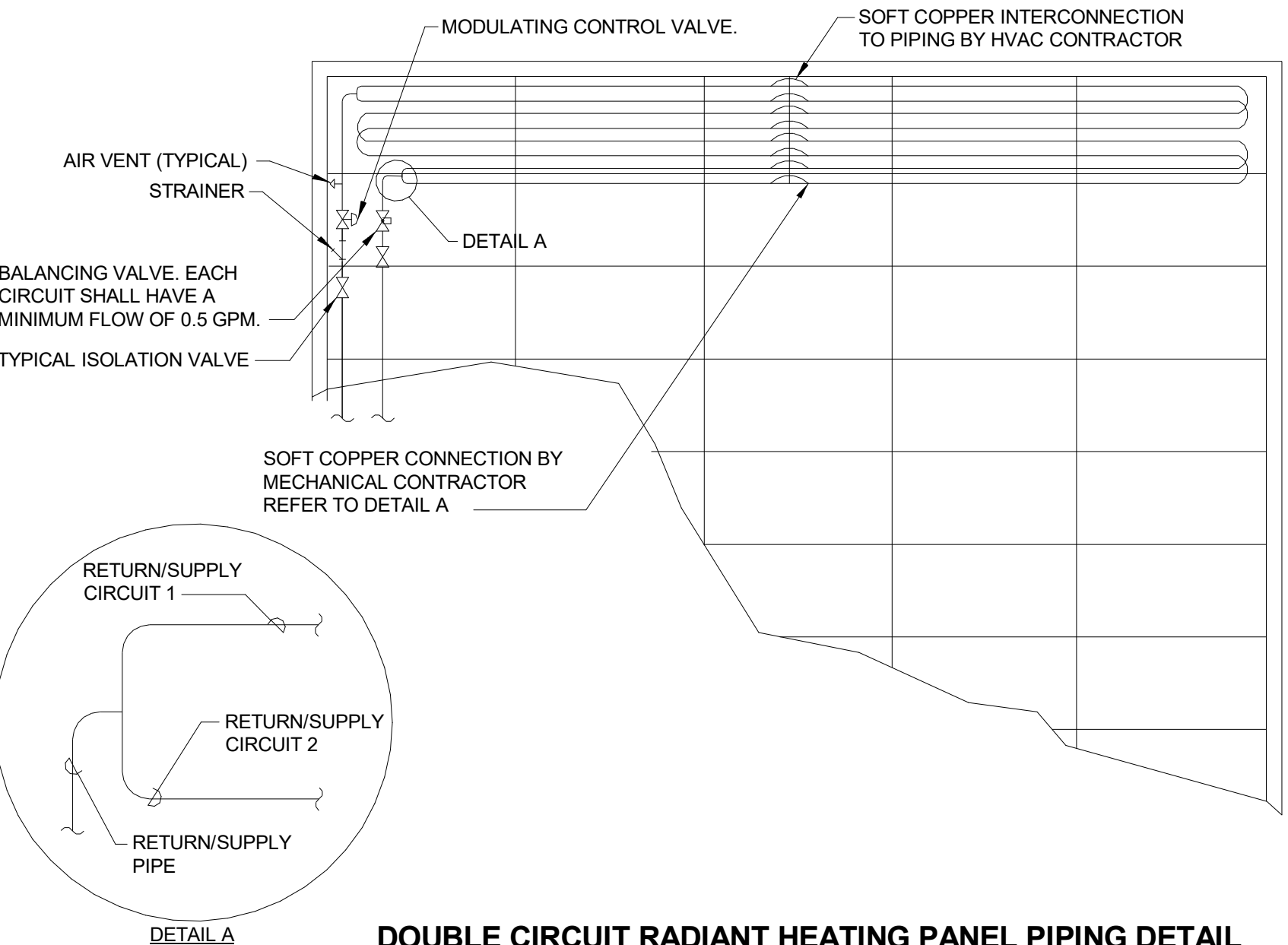
TYPICAL BOILER PIPING DETAIL (NOT TO SCALE)



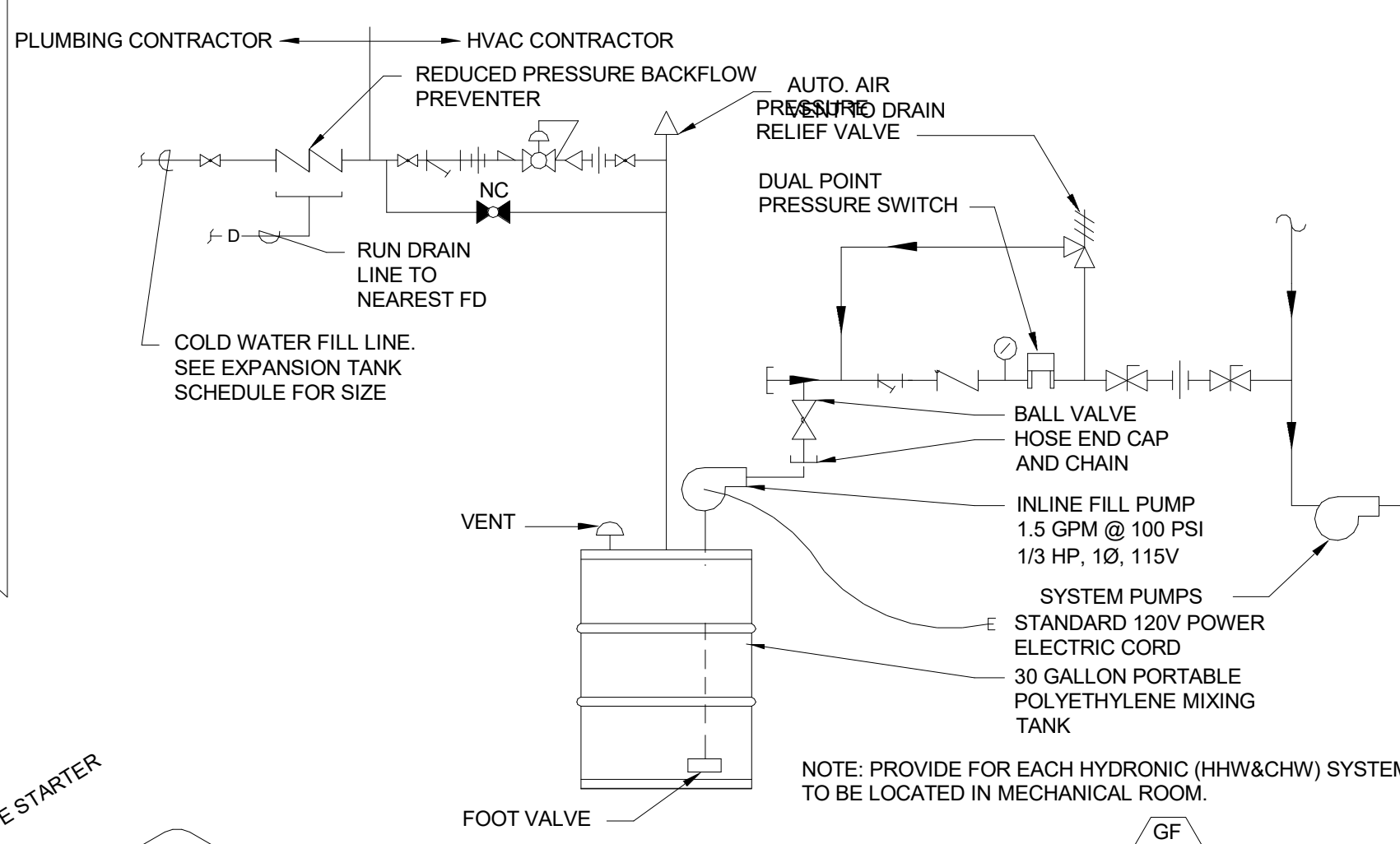
MODULAR PANEL IN T-BAR CEILING DETAIL (NOT TO SCALE)



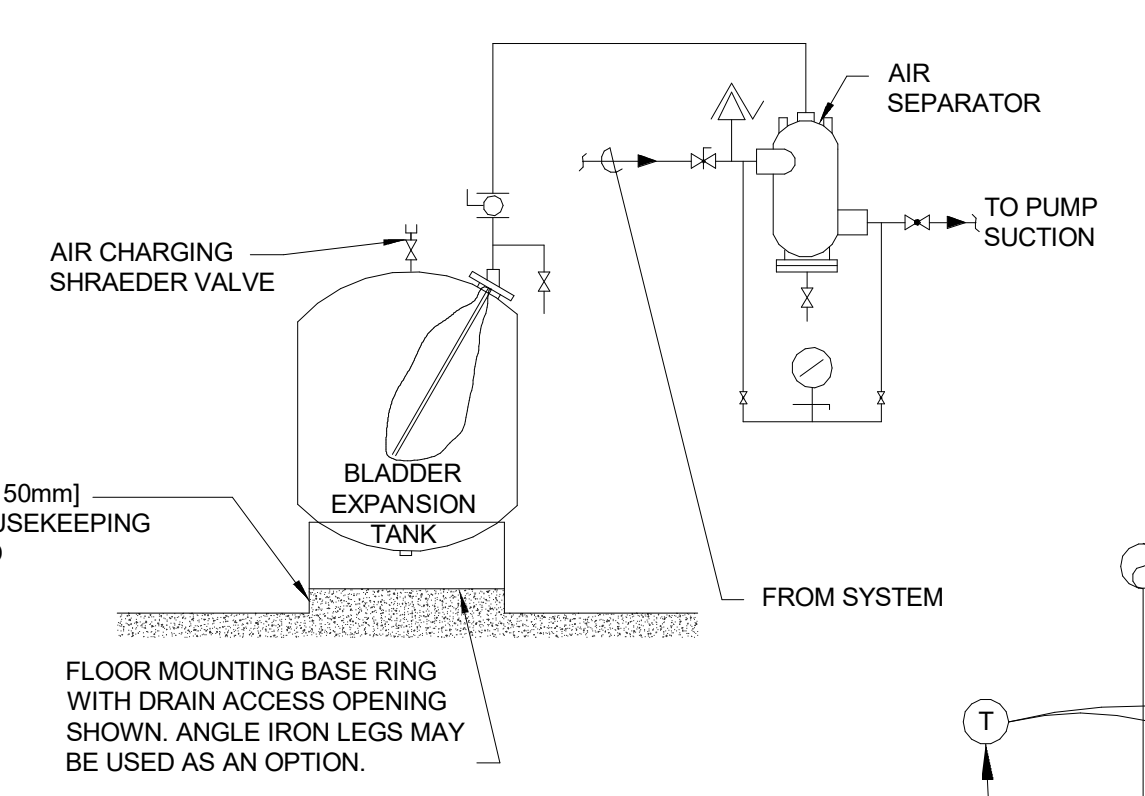
CHEMICAL SHOT FEEDER PIPING DETAIL (NOT TO SCALE)



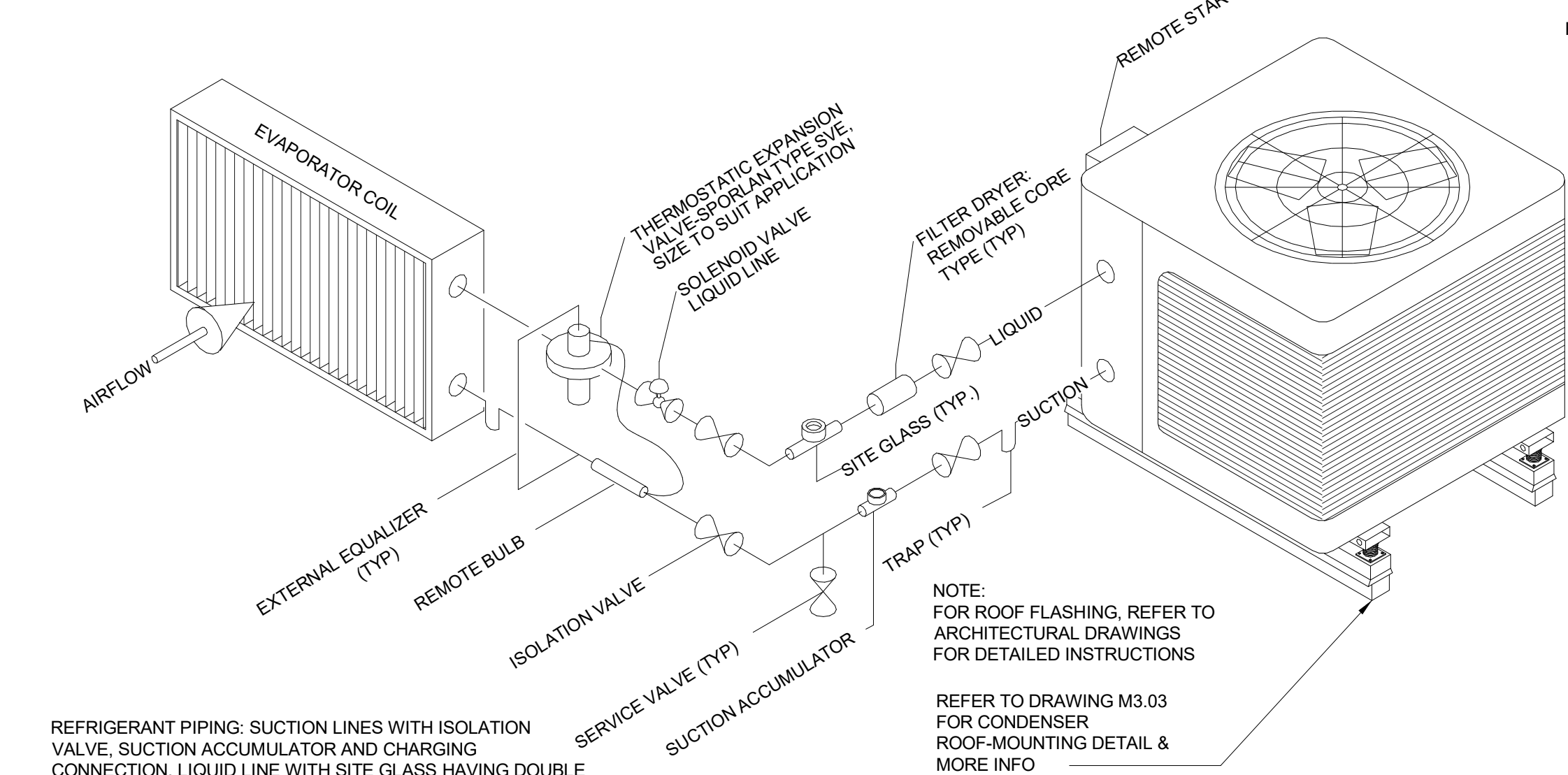
DOUBLE CIRCUIT RADIANT HEATING PANEL PIPING DETAIL (NOT TO SCALE)



GLYCOL/MAKE-UP SYSTEM (NOT TO SCALE)



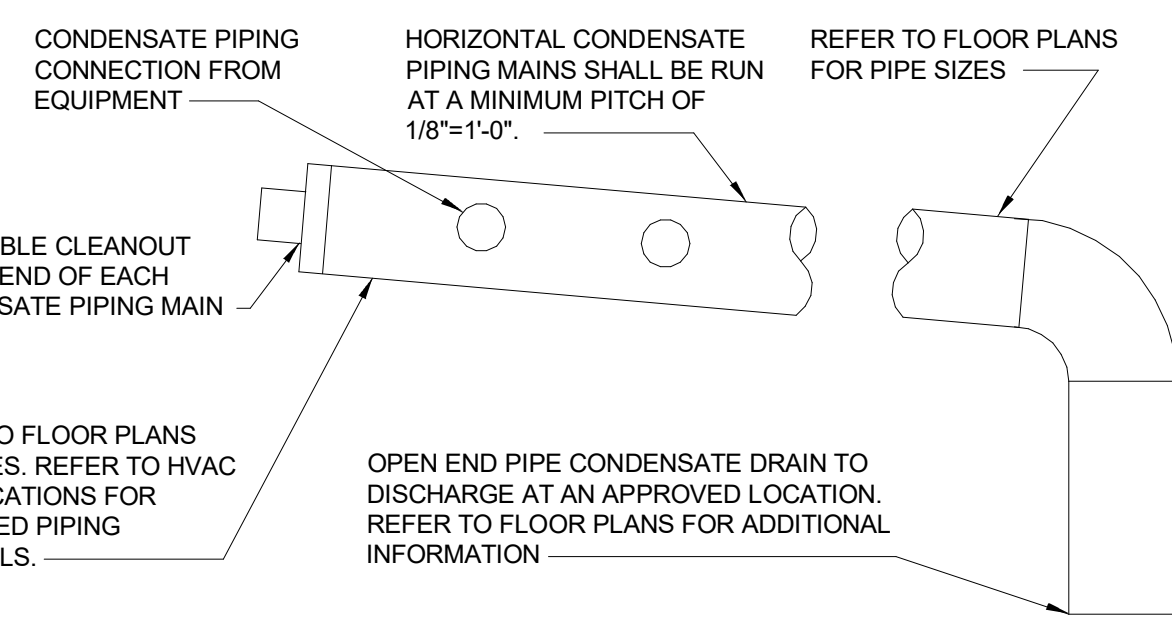
EXPANSION TANK DETAIL (NOT TO SCALE)



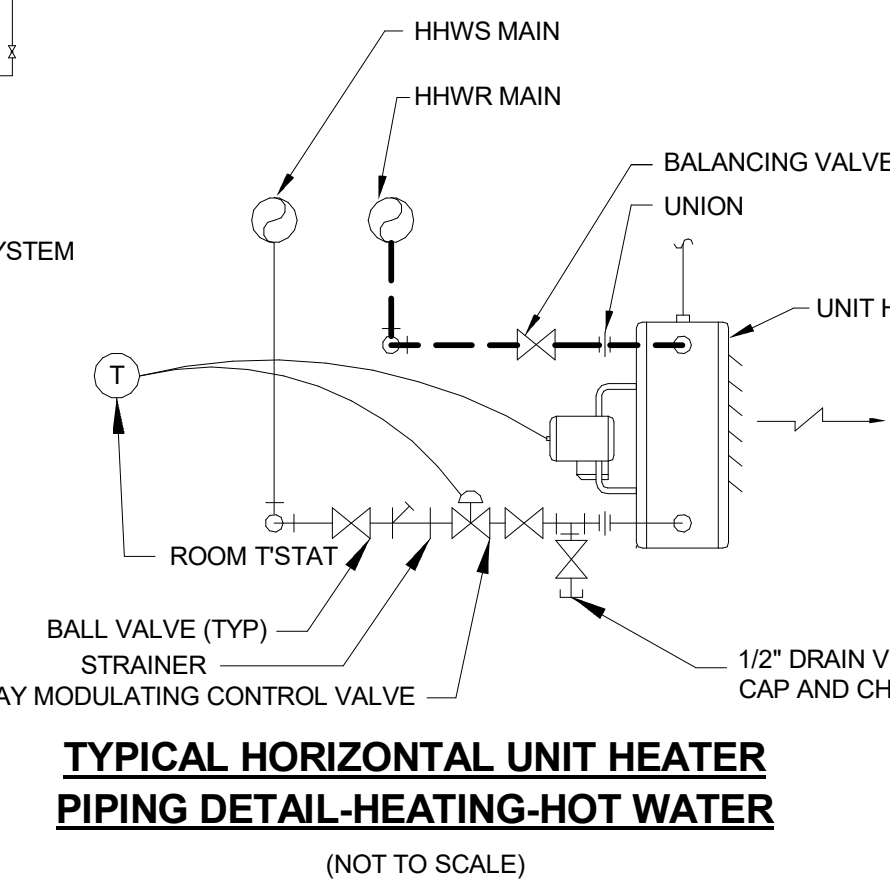
REFRIGERANT PIPING DIAGRAM (NOT TO SCALE)

REFRIGERANT PIPING: SUCTION LINES WITH ISOLATION VALVE. SUCTION ACCUMULATOR AND CHARGING CONNECTION. LIQUID LINE WITH SITE GLASS HAVING DOUBLE PORTS WITH CAPS, FILTER DRYER, ISOLATION VALVES AND CHARGING CONNECTION. INSULATE PER SPECIFICATIONS. COVER ALL REFRIGERANT PIPING WITH ULTRA VIOLET PROTECTED PVC COVERING (COLOR= GRAY) PROVIDE ALL NECESSARY COMPONENTS PER THE MANUFACTURERS RECOMMENDATIONS & INSTALLATION INSTRUCTIONS.

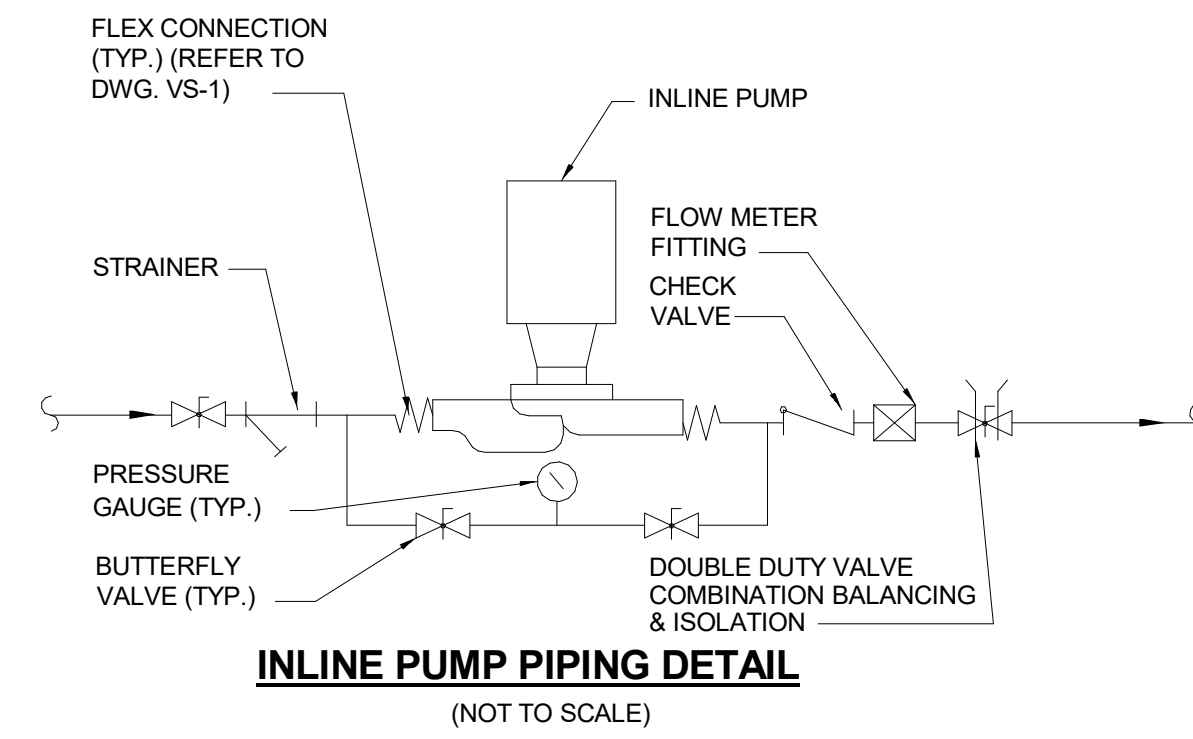
PIPING INDICATED IS FOR SINGLE CIRCUIT. CONTRACTOR SHALL PIPE UNITS WITH MULTIPLE CIRCUITS (AND HOT GAS BYPASS CIRCUIT WHERE SPECIFIED) IN SIMILAR MANNER AND IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS AND GUIDELINE REQUIREMENTS. PROVIDE ALL NECESSARY PIPING, INSULATION, FITTINGS, TRANSITIONS, ACCESSORIES, VALVES, ETC. FOR A COMPLETE & FUNCTIONAL SYSTEM. COORDINATE QUANTITY & SIZE OF ALL NECESSARY PIPING BETWEEN COIL & CONDENSER.



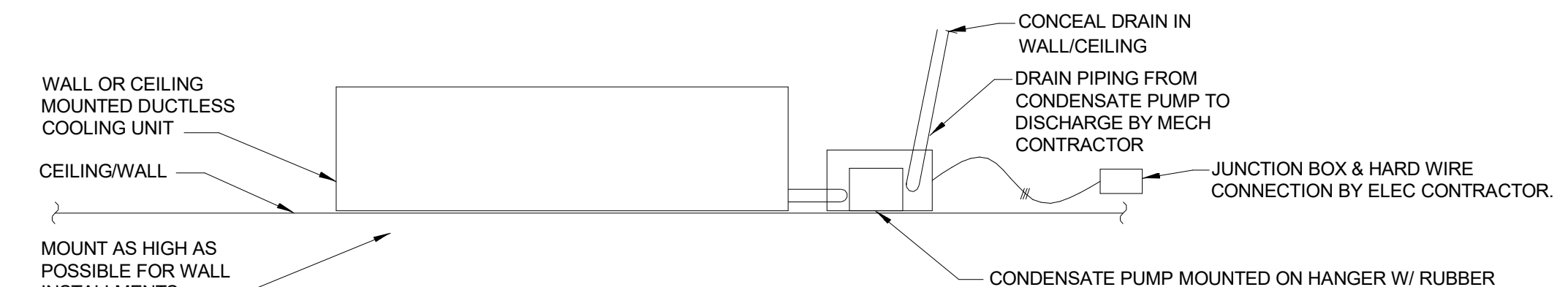
CONDENSATE PIPING DETAIL NO SCALE



TYPICAL HORIZONTAL UNIT HEATER PIPING DETAIL-HEATING-HOT WATER (NOT TO SCALE)



INLINE PUMP PIPING DETAIL (NOT TO SCALE)



DUCTLESS COOLING UNIT DRAIN DETAIL (DCU) (NOT TO SCALE)

UPTON COMMUNITY CENTER
9 MILFORD STREET, UPTON, MA 01568
100% CD-COMFORMANCE SET ADDENDA 1-4 INCORPORATED 10/6/2021

HVAC
DETAILS II

JOB NUMBER:
20-05

DRAWN BY:
TRB

CHECKED BY:
DBP

DATE:
09/8/2021

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

SHEET NO:
M303

REVISED: 09/08/2021



Turowski2 Architecture
 P.O. Box 1290
 313 Wareham Road
 Marion, MA 02738

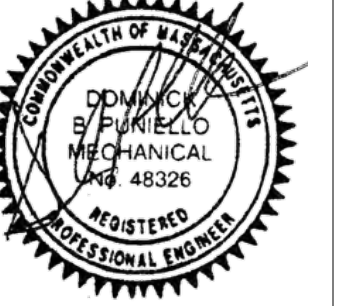
508.758.9777 phone
 508.748.2444 fax

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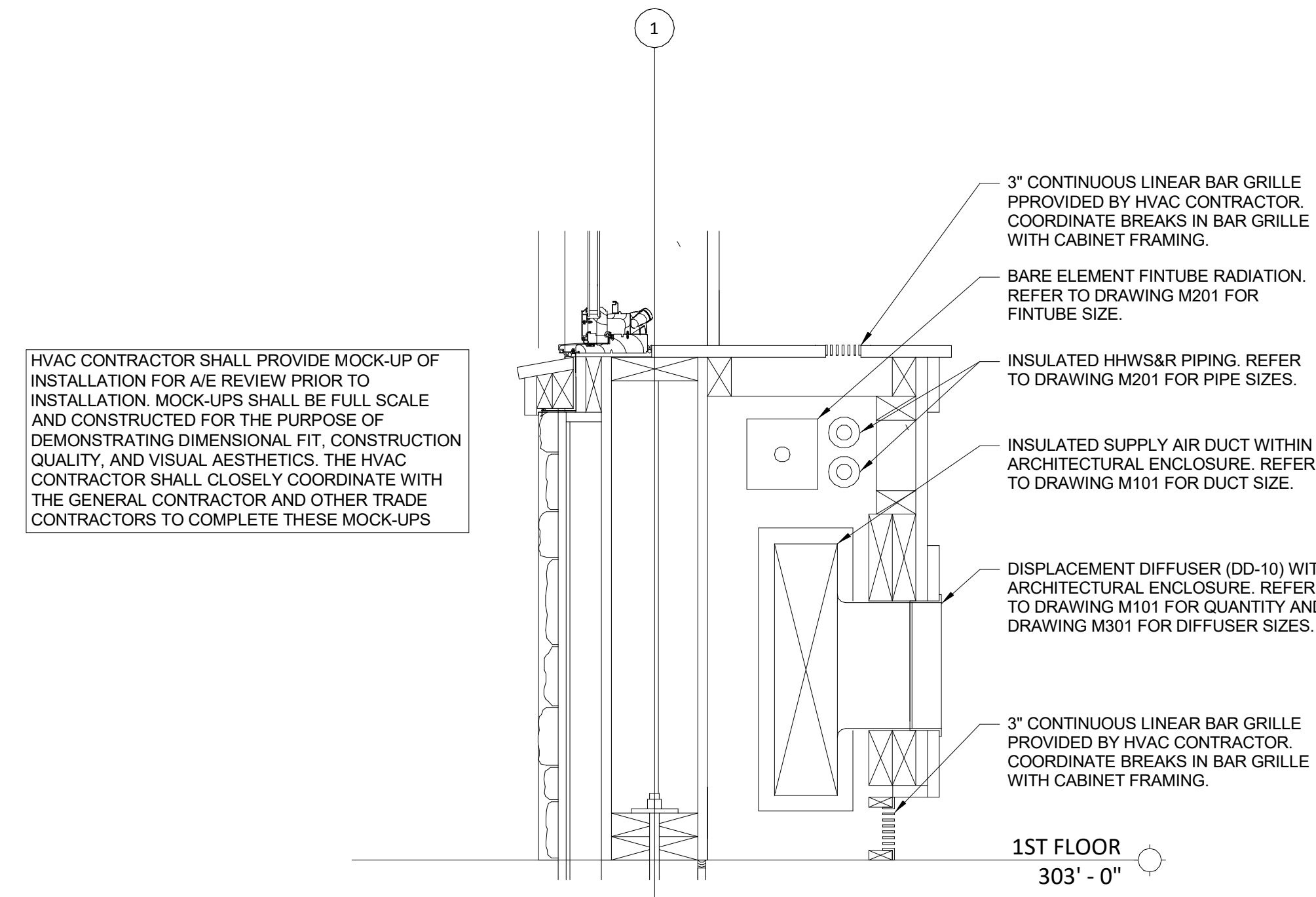
GARCIA-GALUSKA-DESOUSA
 CONSULTANT ENGINEER REG.
 190 Francis Street, Boston, MA 02111 (617) 337-1033
 100 State Street, Suite 500, Boston, MA 02109 (617) 552-6200

STAMP:

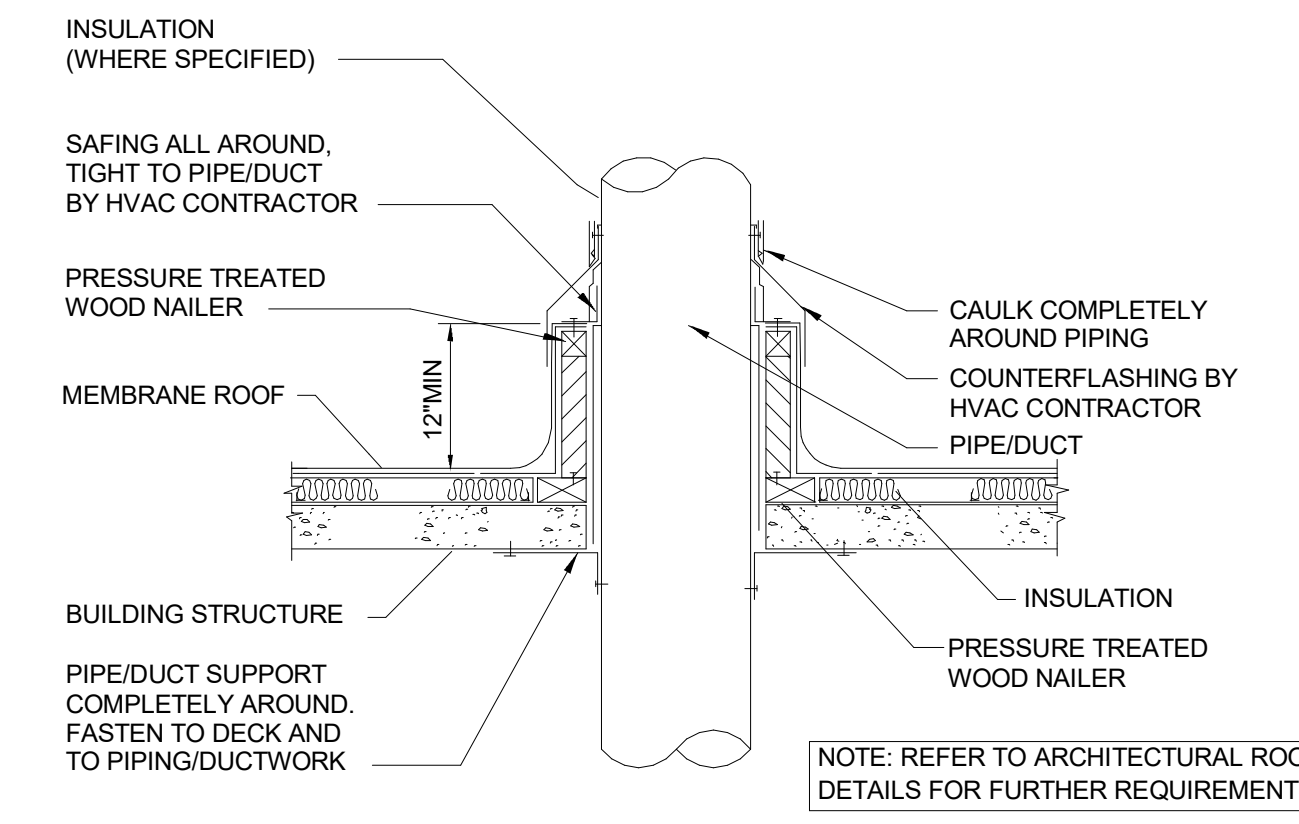
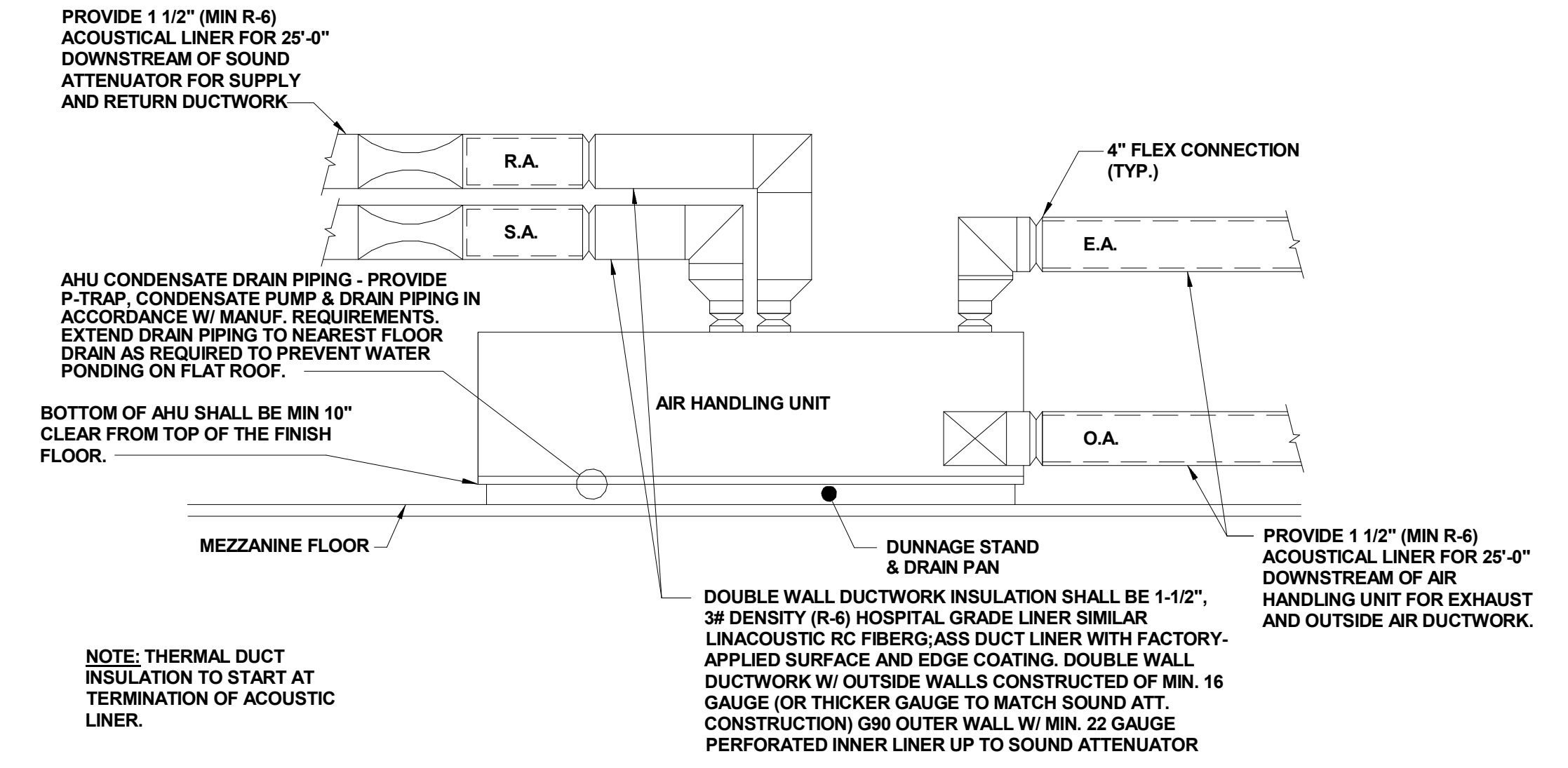


REVISIONS:

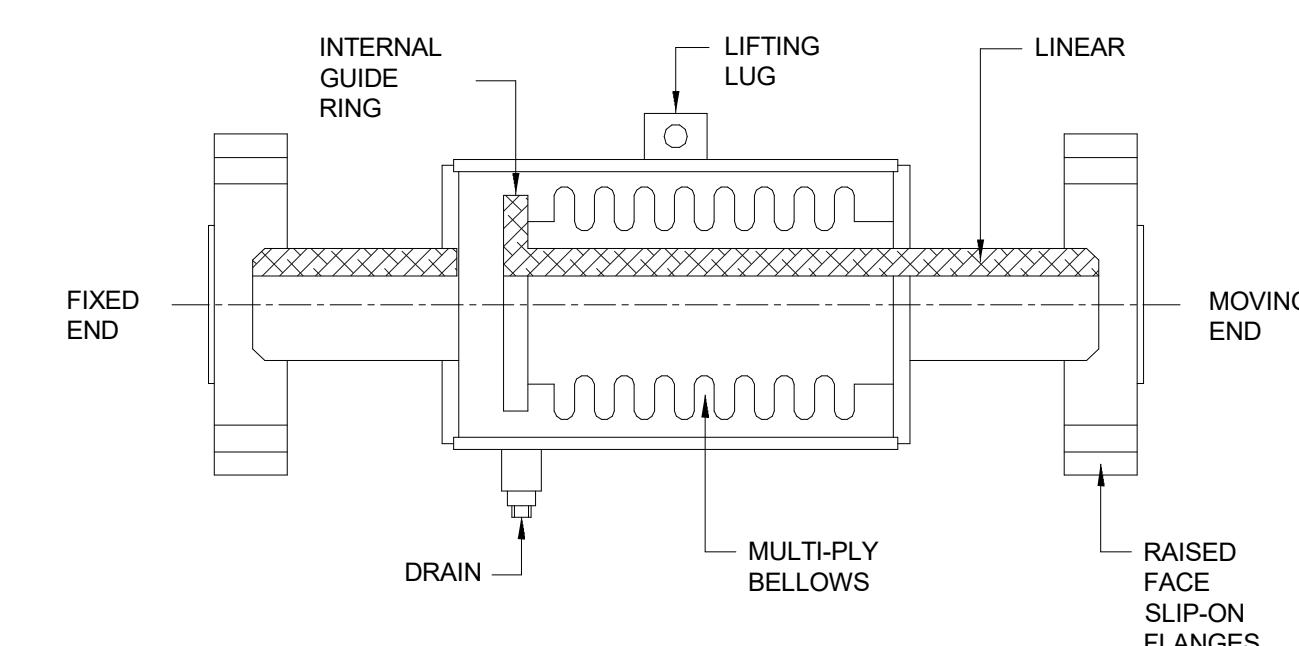
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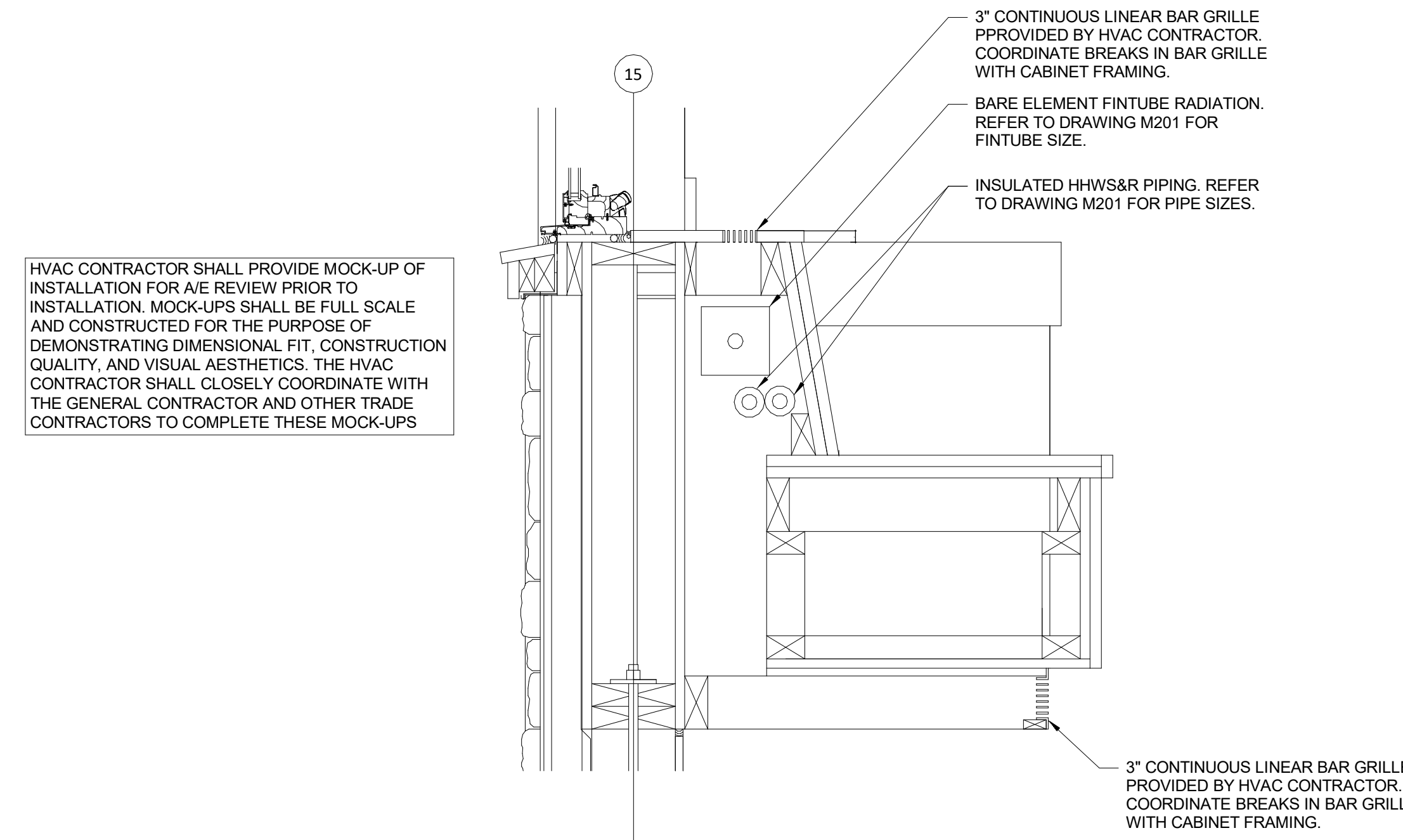
SECTION THRU CABINET @ LARGE PROGRAM 134
(NOT TO SCALE)



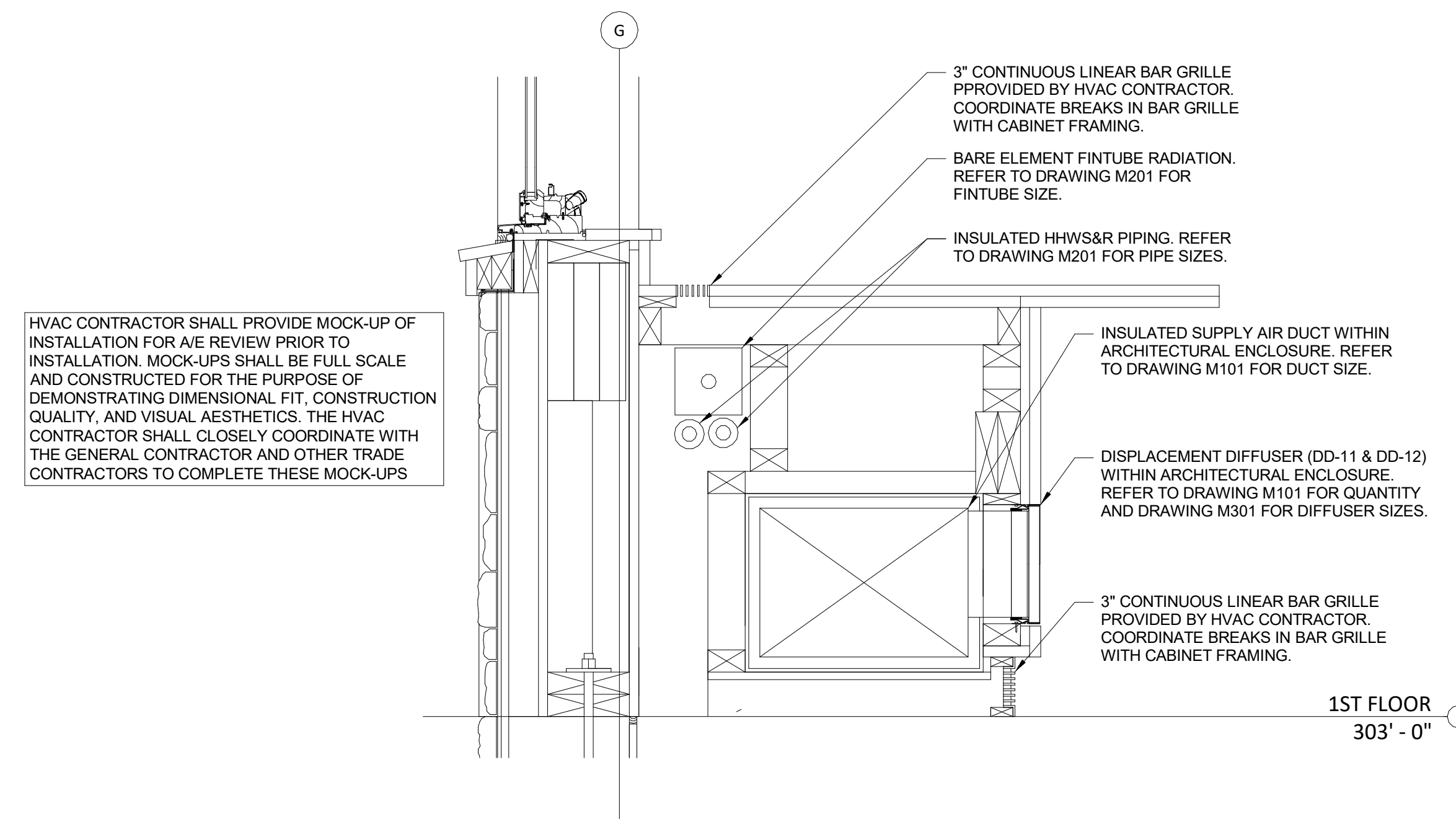
PIPE / DUCT PENETRATION THROUGH ROOF DETAIL
(NOT TO SCALE)



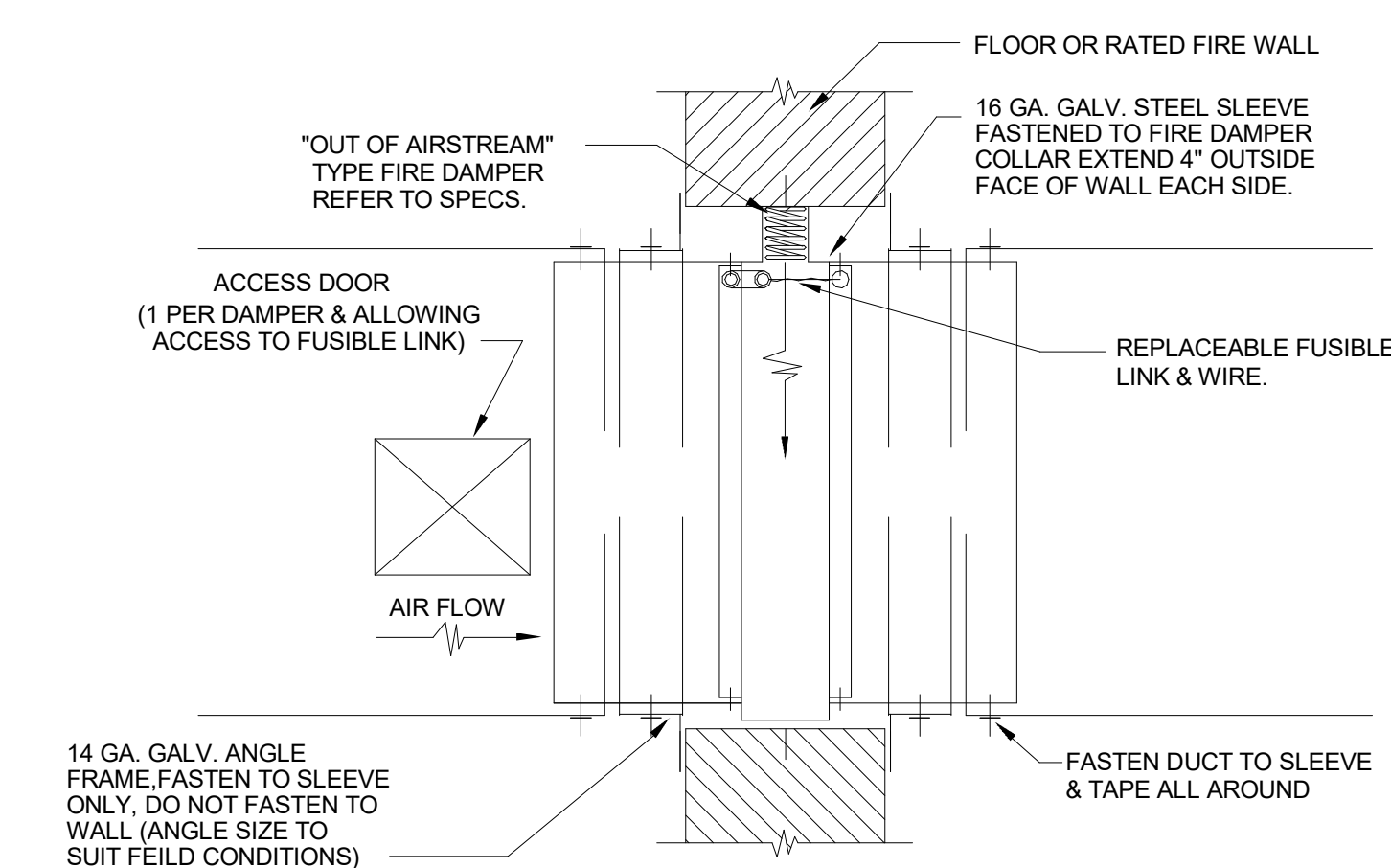
EXTERNALLY PRESSURIZED INLINE EXPANSION JOINT DETAIL
(NOT TO SCALE)



SECTION THRU BENCH @ GROUP ROOM 117
(NOT TO SCALE)



SECTION THRU CABINET @ LIBRARY WEST WALL
(NOT TO SCALE)



AUTOMATIC FIRE DAMPER
(NOT TO SCALE)

UPTON COMMUNITY CENTER
 9 MILFORD STREET, UPTON, MA 01568
 100% CD-COMFORMANCE SET ADDENDA 1-4 INCORPORATED 10/6/2021

TITLE:
HVAC
DETAILS III

JOB NUMBER:
20-05

DRAWN BY:
TRB

CHECKED BY:
DBP

DATE:
09/8/2021

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

SHEET NO.:

M304

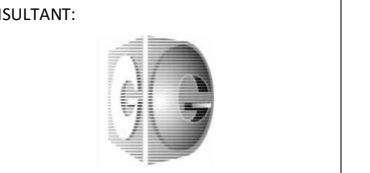


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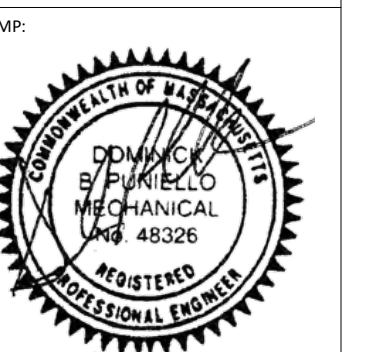
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No.	Description	Date

UPTON COMMUNITY CENTER
 9 MILFORD STREET, UPTON, MA 01568
 100% CD-COMFORMANCE SET ADDENDA 1-4 INCORPORATED 10/6/2021

TITLE:
**HVAC HHW
 FLOW
 DIAGRAM**

JOB NUMBER:
20-05

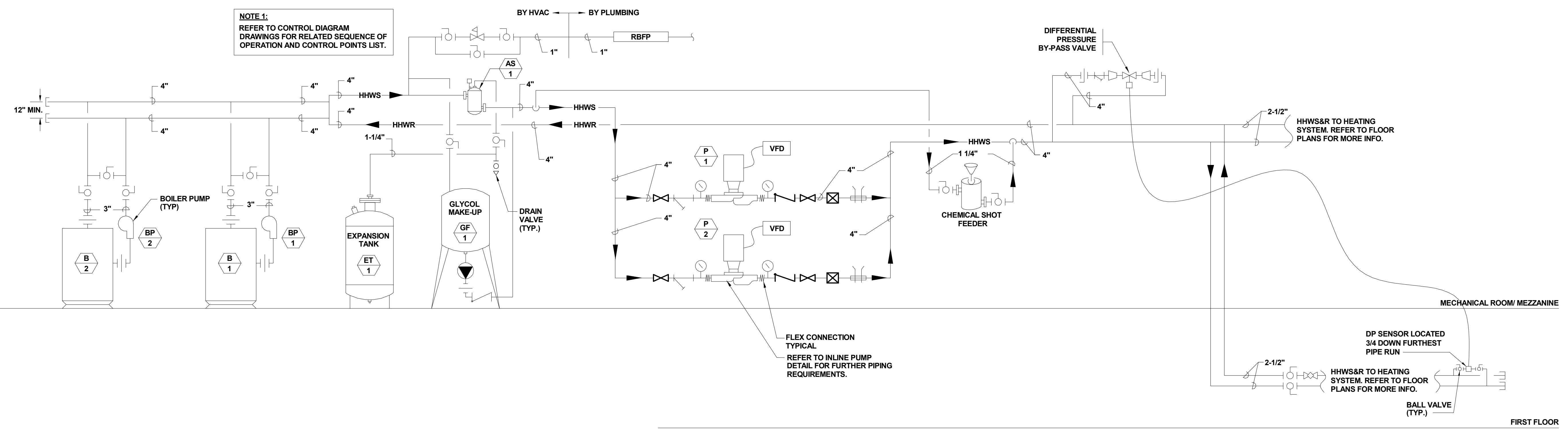
DRAWN BY:
Author

CHECKED BY:
Checker

DATE:
09/8/2021

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

SHEET NO.:
M305



HOT WATER FLOW DIAGRAM
 (NOT TO SCALE)

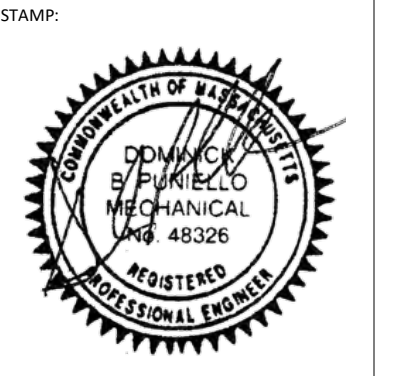


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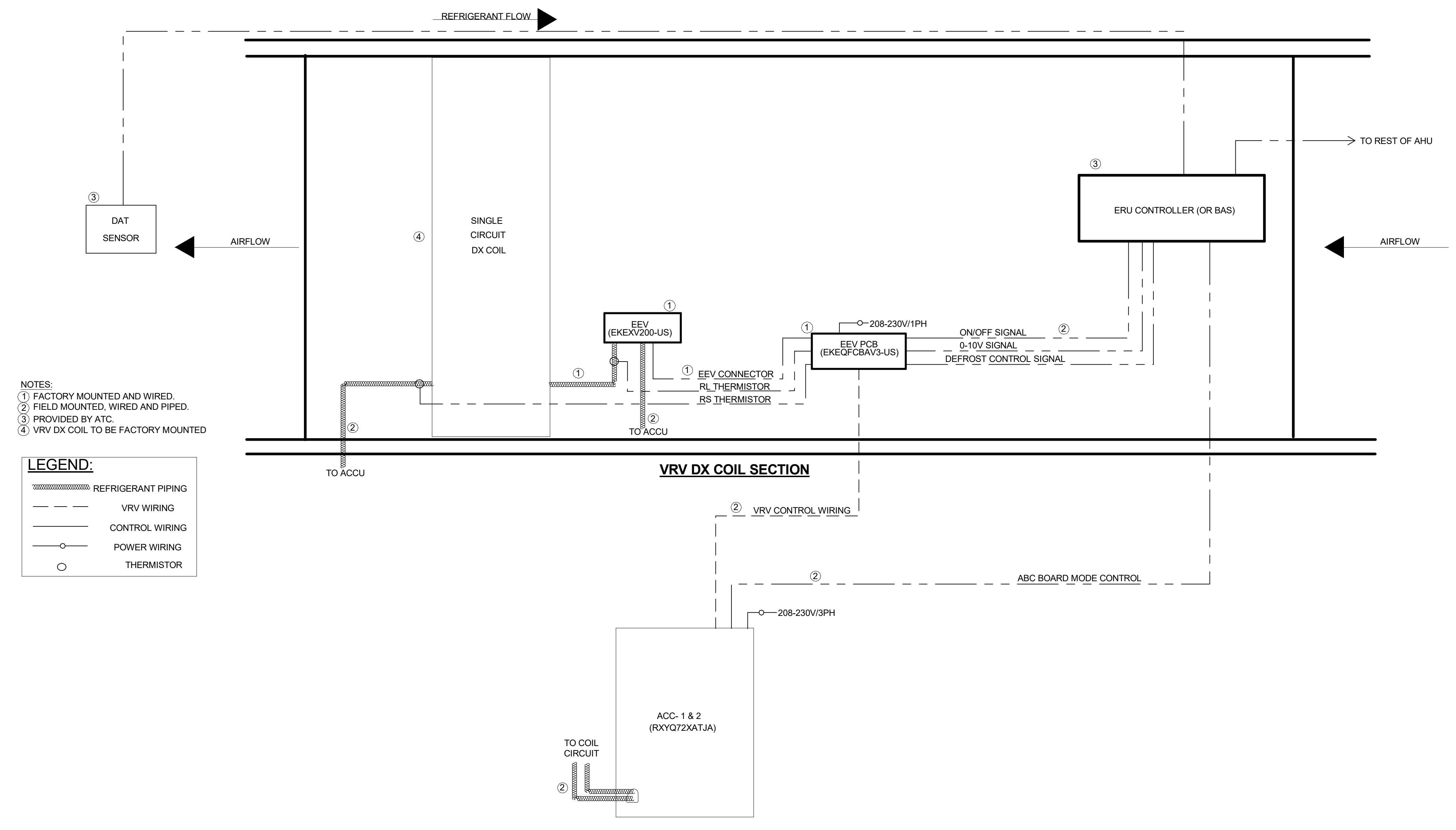
GARCIA-GALUSKA-DESOUZA
 CONSULTING ENGINEERS INC.
 80 Francis Street, Suite 100, Salem, MA 01970
 508-545-4100 Fax 508-545-4101



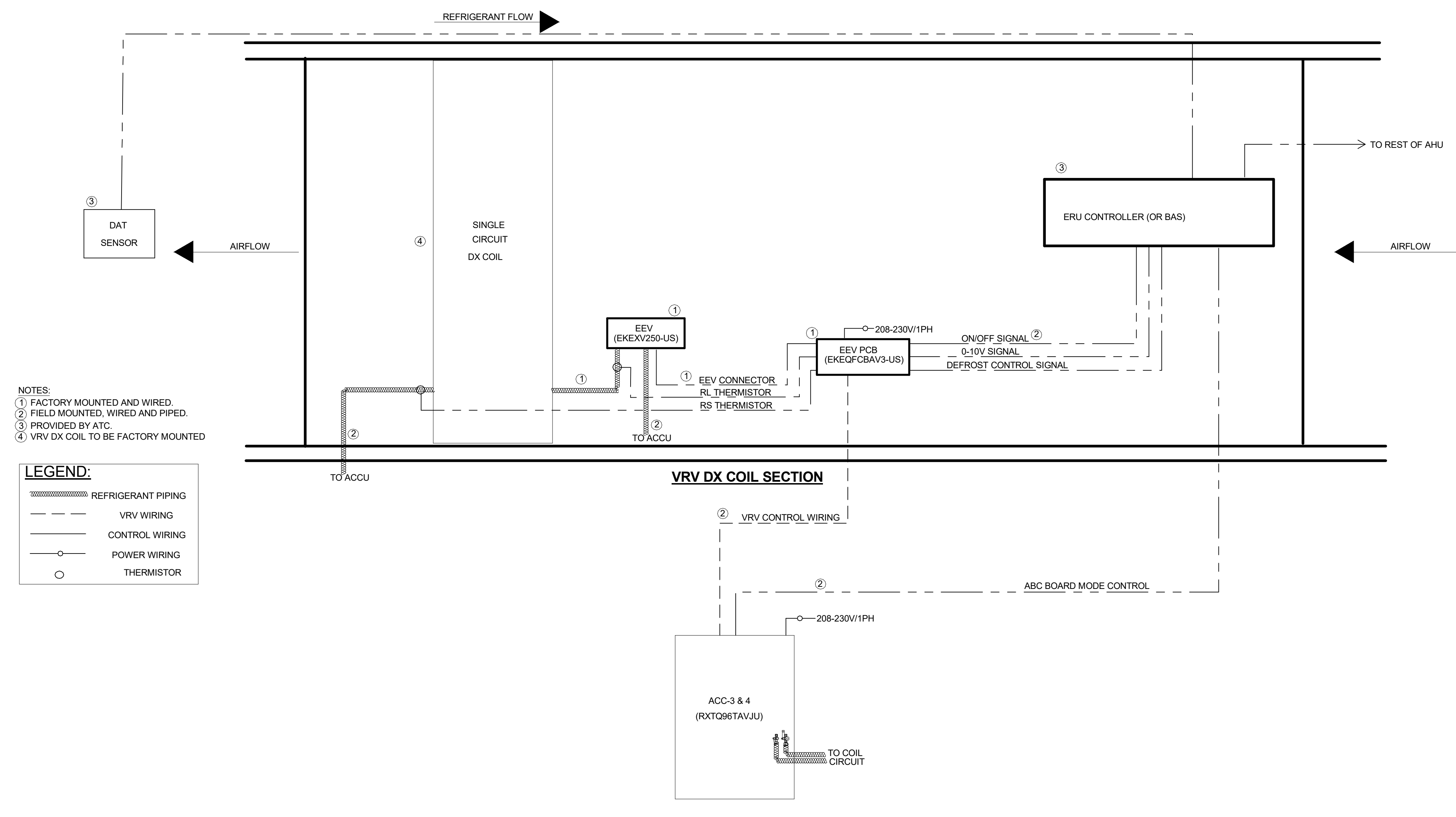
REVISIONS:

No.	Description	Date

AHU-1 AND AHU-2 VRV DX COIL PIPING AND WIRING



AHU-3 AND AHU-4 VRV DX COIL PIPING AND WIRING



UPTON COMMUNITY CENTER
9 MILFORD STREET, UPTON, MA 01568
100% CD-COMFORMANCE SET ADDENDA 1-4 INCORPORATED 10/6/2021

TITLE:
HVAC AHU & VRF SCHEMATICS

JOB NUMBER:
 20-05

DRAWN BY:
 TRB

CHECKED BY:
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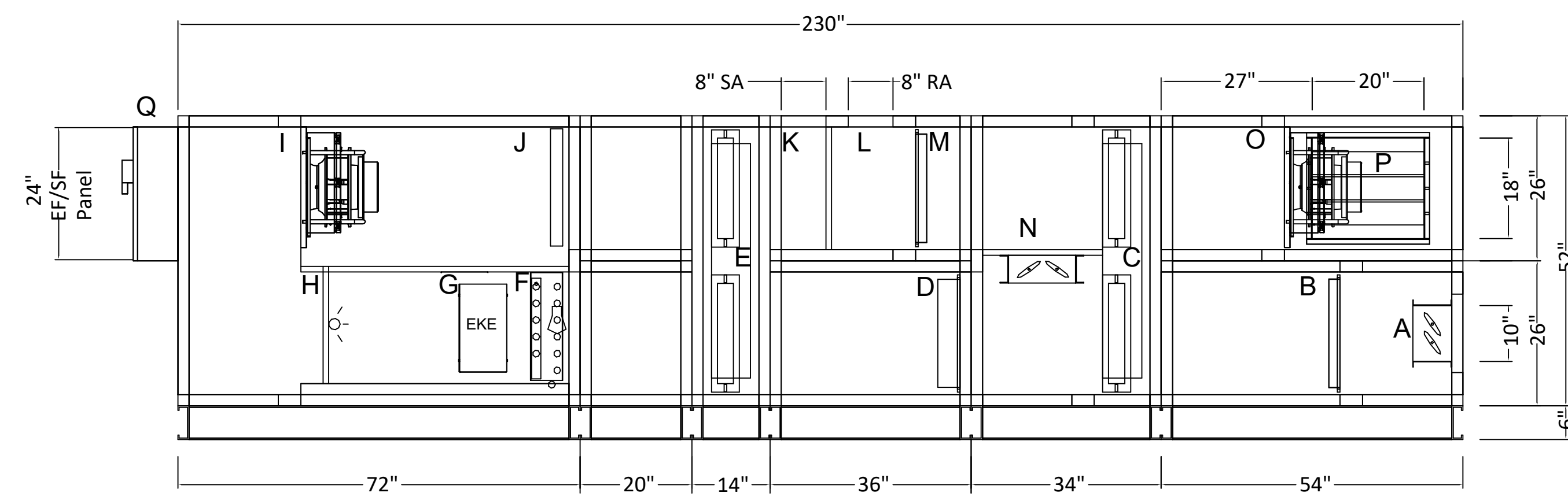
DATE:
 09/8/2021

SCALE:
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SHEET NO.
M306

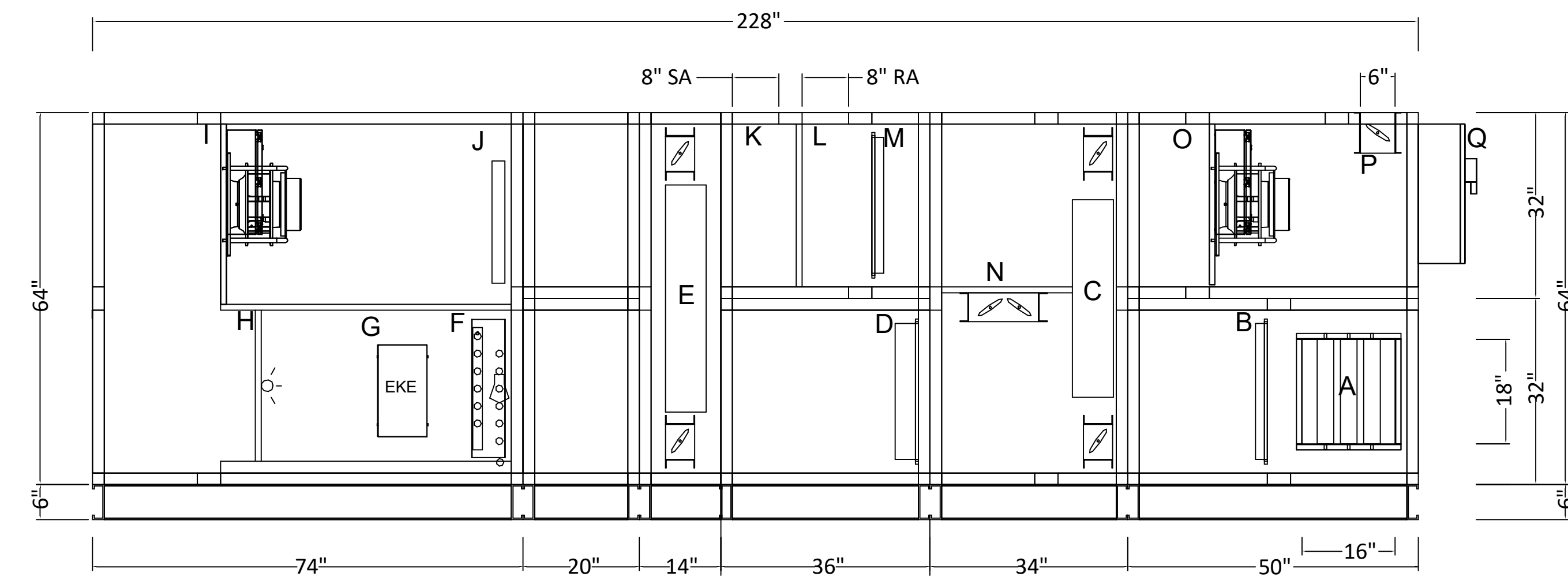
AHU-1

- COMPONENT KEY:
 A) OA OPENING
 B) OA FILTER
 C) OA ENERGY RECOVERY WHEEL
 D) MAIN FILTER
 E) REHEAT WHEEL
 F) VRV COIL
 G) INTEGRATION KIT EXPANSION VALVE AND CONTROLLER
 H) UV LIGHTS
 I) SUPPLY FAN
 J) HOT WATER COIL
 K) SA OPENING
 L) RA OPENING
 M) RA FILTER
 N) RECIRCULATION DAMPER
 O) EXHAUST FAN
 P) EA OPENING
 Q) SF, EF CONTROL BOX AND SINGLE POINT POWER PANEL



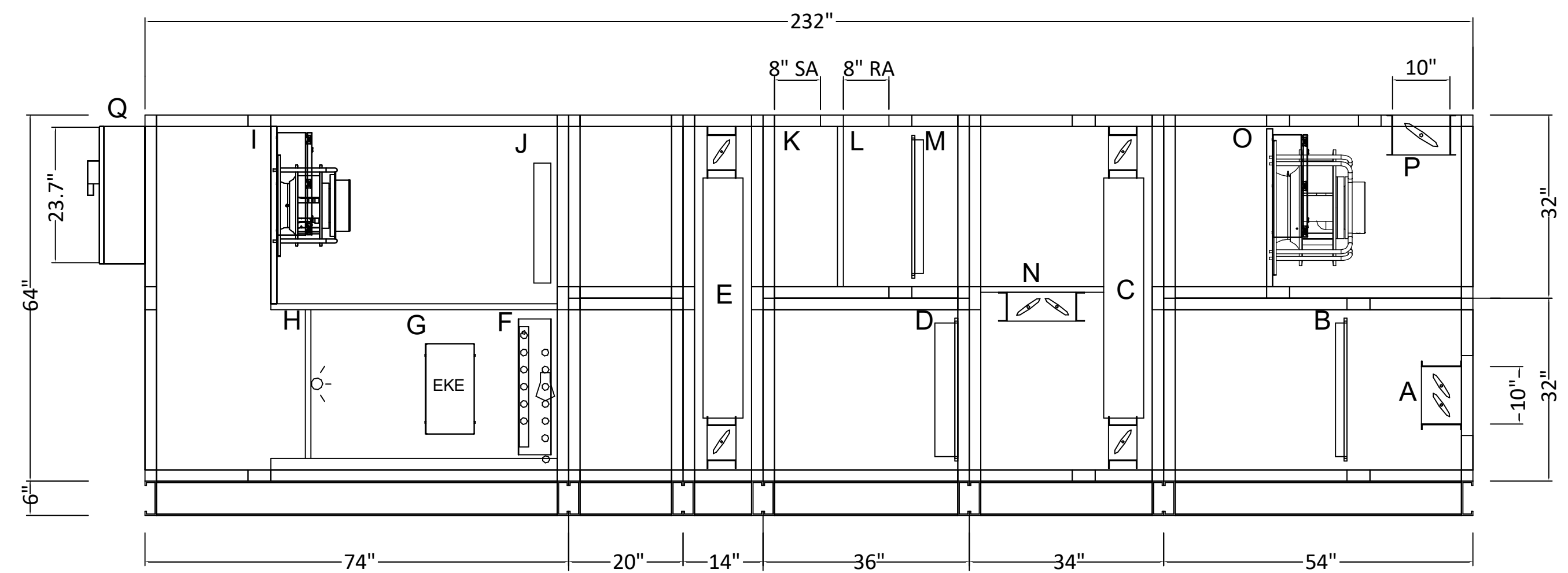
AHU-2

- COMPONENT KEY:
 A) OA OPENING
 B) OA FILTER
 C) OA ENERGY RECOVERY WHEEL
 D) MAIN FILTER
 E) REHEAT WHEEL
 F) VRV COIL
 G) INTEGRATION KIT EXPANSION VALVE AND CONTROLLER
 H) UV LIGHTS
 I) SUPPLY FAN
 J) HOT WATER COIL
 K) SA OPENING
 L) RA OPENING
 M) RA FILTER
 N) RECIRCULATION DAMPER
 O) EXHAUST FAN
 P) EA OPENING
 Q) SF, EF CONTROL BOX AND SINGLE POINT POWER PANEL



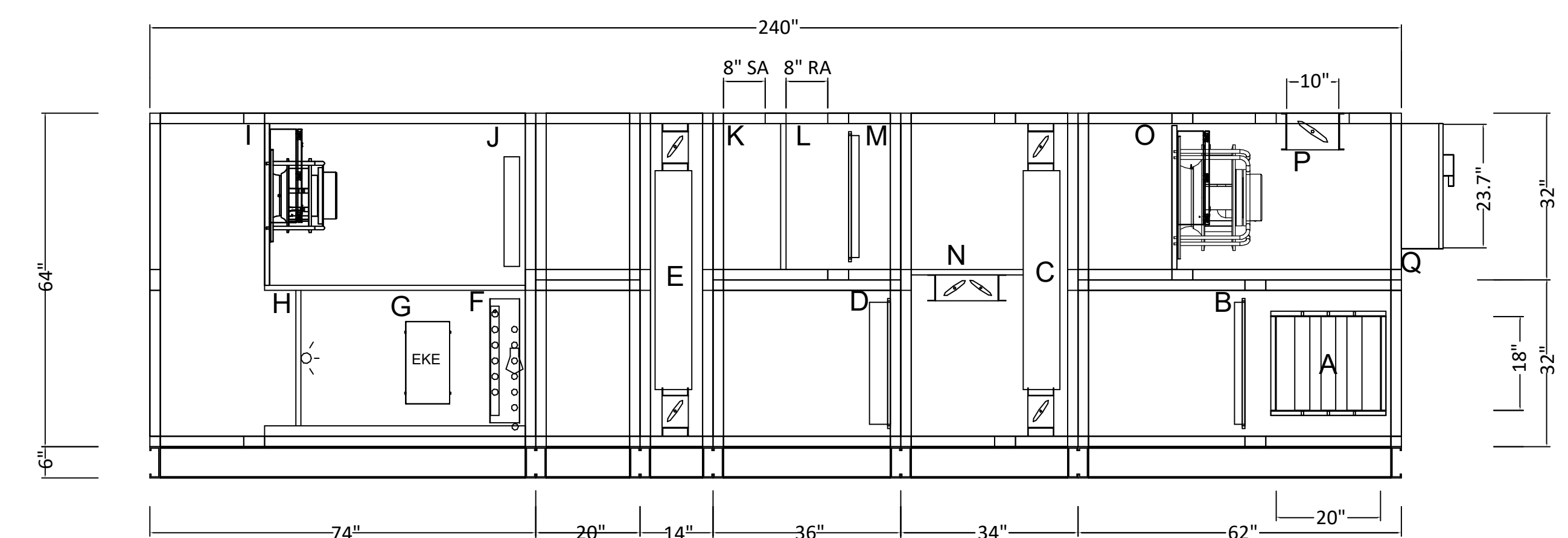
AHU-3

- COMPONENT KEY:
 A) OA OPENING
 B) OA FILTER
 C) OA ENERGY RECOVERY WHEEL
 D) MAIN FILTER
 E) REHEAT WHEEL
 F) VRV COIL
 G) INTEGRATION KIT EXPANSION VALVE AND CONTROLLER
 H) UV LIGHTS
 I) SUPPLY FAN
 J) HOT WATER COIL
 K) SA OPENING
 L) RA OPENING
 M) RA FILTER
 N) RECIRCULATION DAMPER
 O) EXHAUST FAN
 P) EA OPENING
 Q) SF, EF CONTROL BOX AND SINGLE POINT POWER PANEL



AHU-4

- COMPONENT KEY:
 A) OA OPENING
 B) OA FILTER
 C) OA ENERGY RECOVERY WHEEL
 D) MAIN FILTER
 E) REHEAT WHEEL
 F) VRV COIL
 G) INTEGRATION KIT EXPANSION VALVE AND CONTROLLER
 H) UV LIGHTS
 I) SUPPLY FAN
 J) HOT WATER COIL
 K) SA OPENING
 L) RA OPENING
 M) RA FILTER
 N) RECIRCULATION DAMPER
 O) EXHAUST FAN
 P) EA OPENING
 Q) SF, EF CONTROL BOX AND SINGLE POINT POWER PANEL



Turowski2 Architecture

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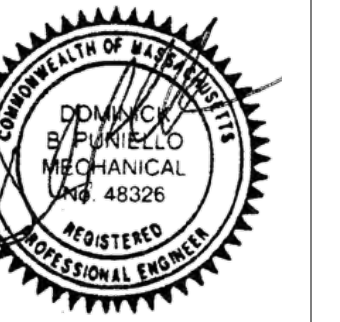
www.t2architecture.com

CONSULTANT:



GARCIA-GALUSKA-DESOUSA
 CONSULTING ENGINEERS P.C.
 100 Franklin Street, Suite 200, Boston, MA 02111
 617.552.1234 FAX 617.552.1235

STAMP:



REVISIONS:

No.	Description	Date

UPTON COMMUNITY CENTER
 9 MILFORD STREET, UPTON, MA 01568
 100% CD-COMFORMANCE SET ADDENDA 1-4 INCORPORATED 10/6/2021

TITLE:
 HVAC AHU
 SECTIONS

JOB NUMBER:
 20-05

DRAWN BY:
 TRB

CHECKED BY:
 DBP

DATE:
 09/8/2021

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

SHEET NO.:

M307



Turowski2 Architecture

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Marion, MA 02738

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508.748.2444 fax

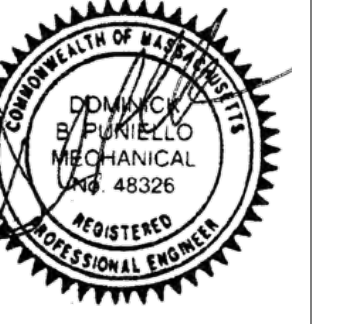
www.t2architecture.com

CONSULTANT:



GARCIA-GALUSKA-DESOSA
CONSULTING ENGINEERS P.C.
100 Franklin Street, Suite 200, Boston, MA 02111
Tel: 617-552-1234 Fax: 617-552-1235

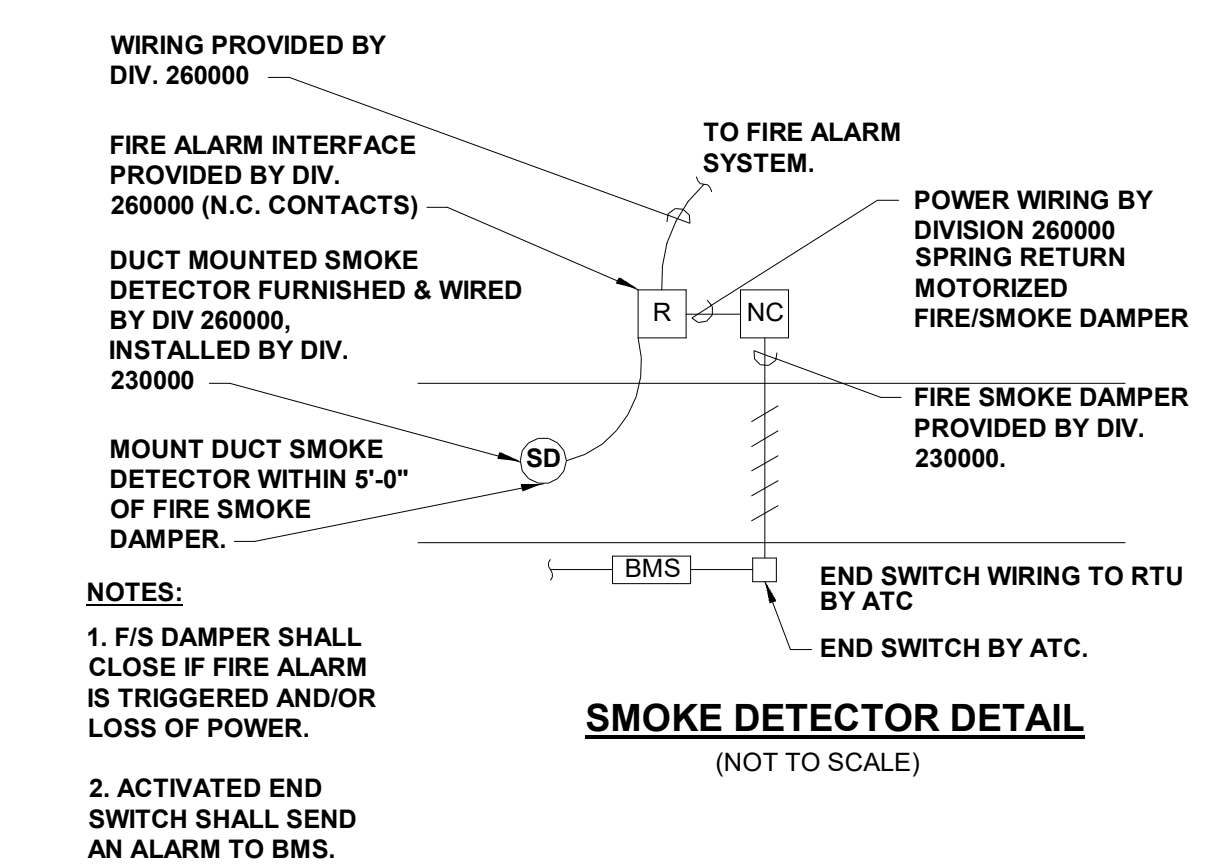
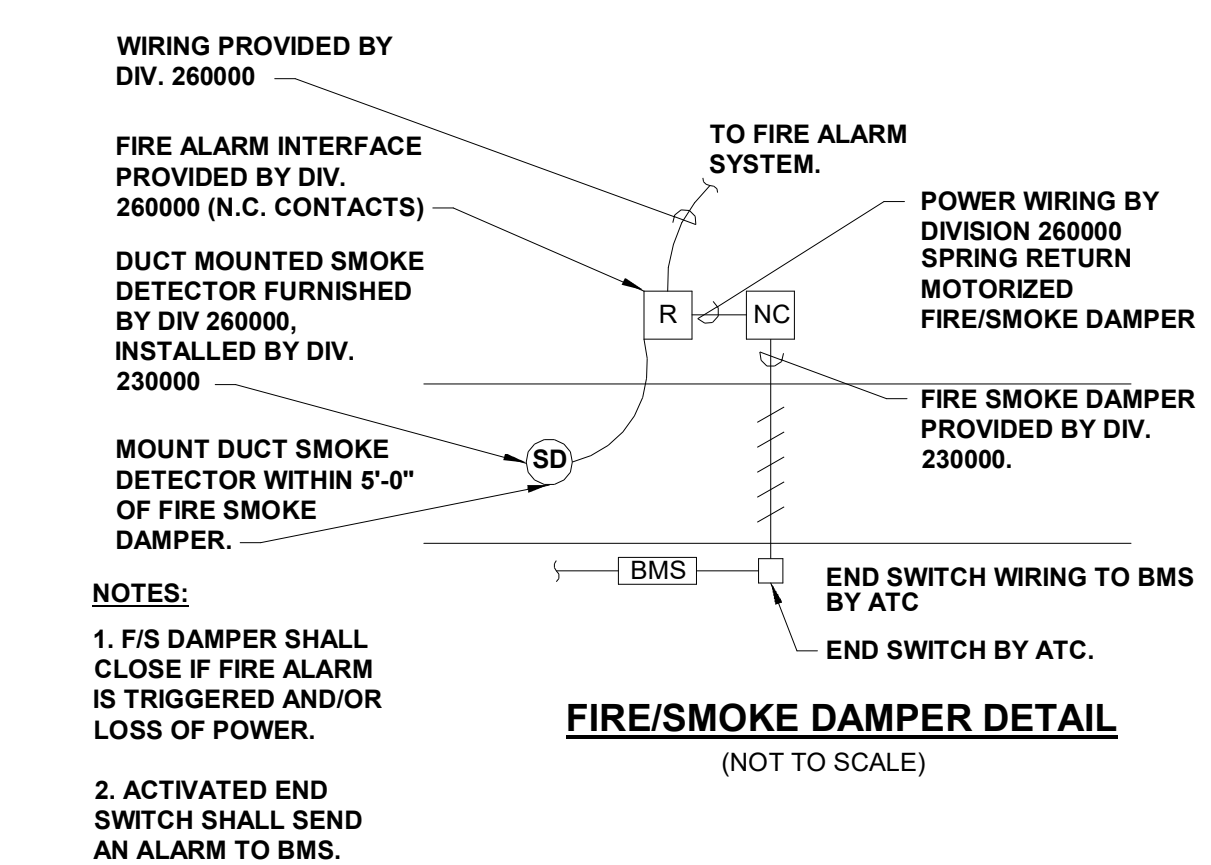
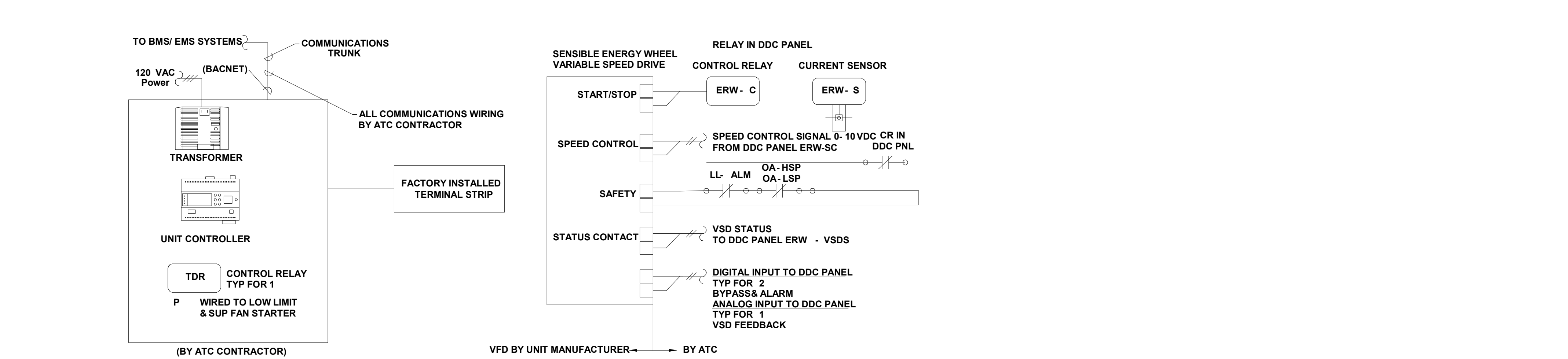
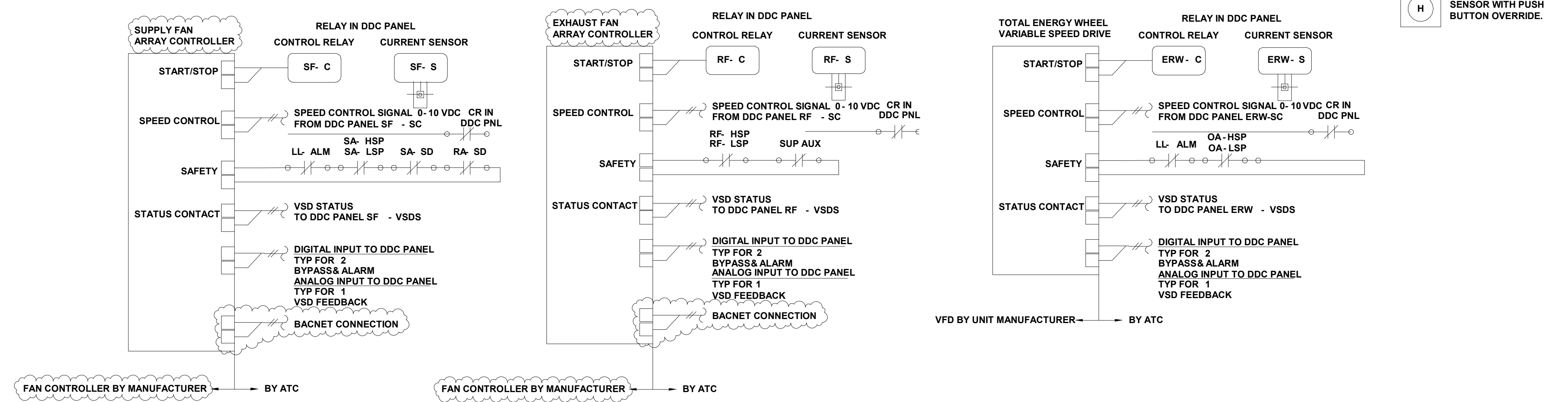
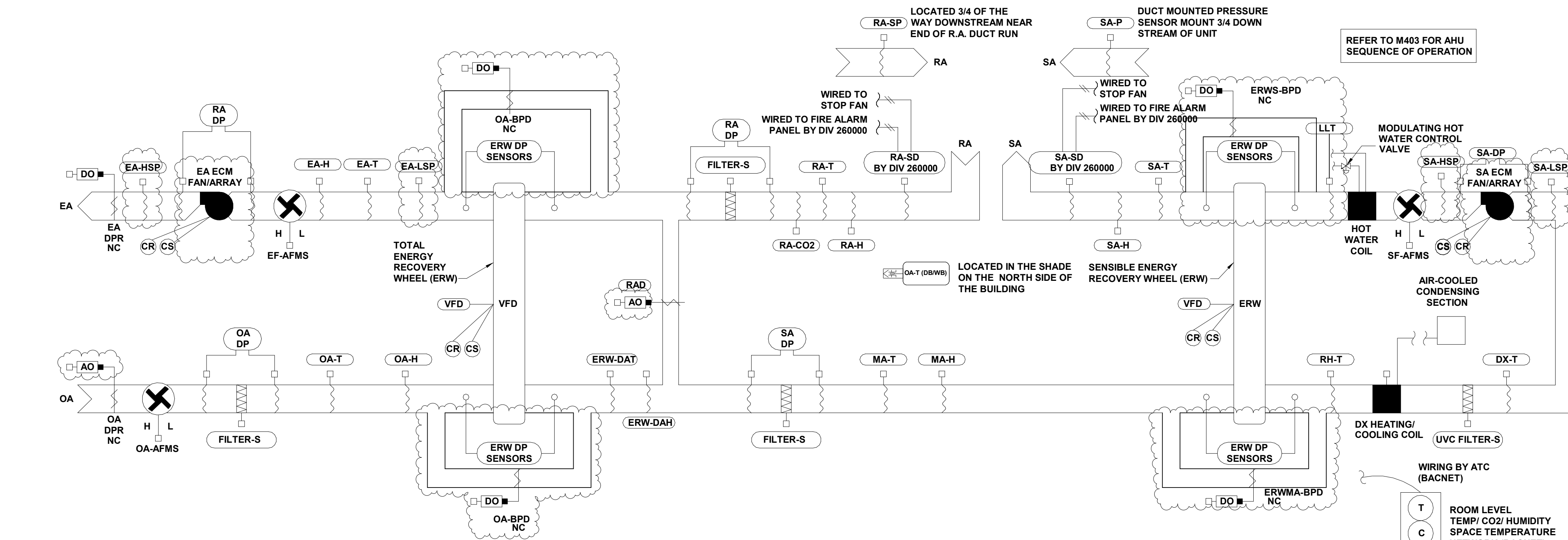
STAMP:



REVISIONS:

No.	Description	Date
1	Addendum #2	09/24/21

INDOOR AIR HANDLING UNITS - DISPLACEMENT VENTILATION SYSTEM - AHU-1, 2, 3, & 4



INDOOR AIR HANDLING UNITS	AI	AO	DI	DO	ALARM	SHOW ON GRAPHIC	REMARKS
OUTSIDE AIR FLOW MEASURING STATION	X					X	
SUPPLY AIR FLOW MEASURING STATION	X					X	
EXHAUST AIR FLOW MEASURING STATION	X					X	
OUTSIDE AIR TEMP	X					X	FROM WEATHER STATION
OUTSIDE AIR HUMIDITY	X					X	FROM WEATHER STATION
EXHAUST AIR TEMP	X					X	
EXHAUST AIR HUMIDITY	X					X	
TOTAL ERW DISCHARGE AIR TEMP	X					X	
TOTAL ERW DISCHARGE AIR HUMIDITY	X					X	
SENSIBLE ERW DISCHARGE AIR TEMP							
SENSIBLE ERW DISCHARGE AIR HUMIDITY							
DX CLG. & HTG. SUPPLY AIR TEMP	X					X	(x2)
SUPPLY AIR TEMP	X					X	
SUPPLY AIR HUMIDITY	X					X	
MIXED AIR TEMP	X					X	
MIXED AIR HUMIDITY	X					X	
OUTSIDE AIR FILTER DIFFERENTIAL PRESSURE	X					X	
RETURN AIR FILTER DIFFERENTIAL PRESSURE	X					X	
SUPPLY DUCT STATIC PRESSURE SENSOR	X	X				X	
TOTAL ERW DIFFERENTIAL PRESSURE	X					X	
SENSIBLE ERW DIFFERENTIAL PRESSURE	X					X	
RETURN AIR CARBON DIOXIDE PPM	X					X	
RETURN AIR HUMIDITY	X					X	
RETURN AIR TEMP	X					X	
TOTAL ERW VFD SPEED	X	X				X	
SENSIBLE ERW VFD SPEED	X	X				X	
SUPPLY FAN SPEED	X	X				X	
RETURN FAN SPEED	X	X				X	
DX CLG. & HTG. STAGES/MODULATION	X	X				X	(x2)
DX CLG. & HTG. COMPRESSOR	X		X			X	(x2)
HOT WATER CONTROL VALVE	X	X				X	
RE-CIRC AIR DAMPER	X	X				X	
OUTSIDE AIR DAMPER	X	X				X	
EXHAUST AIR DAMPER	X	X				X	
RETURN AIR SMOKE DETECTOR			X		X	X	
SUPPLY AIR SMOKE DETECTOR			X		X	X	
SUPPLY FAN STATUS			X			X	
EXHAUST FAN STATUS			X			X	
TOTAL ERW WHEEL STATUS			X			X	
TOTAL ERW VFD FAULT			X	X		X	
SENSIBLE ERW WHEEL STATUS			X			X	
SENSIBLE ERW VFD FAULT			X	X		X	
SUPPLY FAN FAULT			X	X		X	
RETURN FAN FAULT			X	X		X	
SUPPLY FAN START/STOP					X	X	
EXHAUST FAN START/STOP					X	X	
TOTAL ERW START/STOP					X	X	
SENSIBLE ERW START/STOP					X	X	
DX CLG. & HTG. TEMP SET POINT						X	(x2)
SUPPLY AIR SET POINT						X	
EMERGENCY SHUT DOWN					X	X	
SUPPLY FAN FAILURE (PER FAN)					X	X	
EXHAUST FAN FAILURE (PER FAN)					X	X	
TOTAL ERW ROTATION FAILURE					X	X	
TOTAL ERW VFD IN HAND					X	X	
SENSIBLE ERW ROTATION FAILURE					X	X	
SENSIBLE ERW VFD IN HAND					X	X	
HIGH CLG. & LOW HTG. DX TEMP			X	X		X	10° ABOVE/BELOW SETPOINT (x2)
HIGH SUPPLY AIR TEMP			X	X		X	10° ABOVE SETPOINT
LOW SUPPLY AIR TEMP			X	X		X	10° BELOW SETPOINT
OUTSIDE AIR FILTER CHANGE REQUIRED			X	X		X	
RETURN AIR FILTER CHANGE REQUIRED			X	X		X	
HIGH RETURN AIR CARBON DIOXIDE CONCENTRATION			X	X		X	ABOVE 1100 PPM
HIGH RETURN AIR HUMIDITY			X	X		X	ABOVE 75% RH
LOW RETURN AIR TEMP			X	X		X	BELOW 50°
HIGH RETURN AIR TEMP			X	X		X	ABOVE 90°
SPACE CO2/ TEMP/ HUMIDITY	X				X	X	
OVERRIDE			X			X	
FREEZE/STAT			X		X	X	
UV-C SYSTEM STATUS/FAULT			X	X		X	
UV-C SYSTEM START/STOP				X		X	
UV-C SYSTEM RUN-TIME HOURS			X			X	
CONDENSATE OVERFLOW ALARM (DRAIN PAN)			X	X		X	SEE NOTE #1
VRV KIT 0-10V CAPACITY CONTROL	X			X		X	VIA VRV INTEGRATION CONTROLLER BY UNIT MANUFACTURER
VRV KIT ENABLE / DISABLE			X	X		X	VIA VRV INTEGRATION CONTROLLER BY UNIT MANUFACTURER
VRV KIT HEATING/ COOLING			X	X		X	VIA VRV INTEGRATION CONTROLLER BY UNIT MANUFACTURER
VRV KIT DEFROST STATUS	X			X		X	VIA VRV INTEGRATION CONTROLLER BY UNIT MANUFACTURER
VRV KIT GENERAL ALARM			X	X		X	VIA VRV INTEGRATION CONTROLLER BY UNIT MANUFACTURER

ATC CONTRACTOR TO PROVIDE ALL NECESSARY SENSORS, WIRING, PROGRAMMING, & MAPPING AS REQUIRED TO ACHIEVE SEQUENCE & OBTAIN ALL POINTS INDICATED ABOVE. ATC CONTRACTOR TO COORD. W/ UNIT MANUFACTURER TO PROVIDE SEAMLESS COMMUNICATION BETWEEN UNIT CONTROLS, INPUTS/OUTPUTS TO BMS SYSTEM GRAPHICS, & PROVIDE ALL READABLE/WRITEABLE POINTS. NOTE #1: SAFETY - UPON A HIGH FLOAT CONDITION UNIT SHALL BE DE-ENERGIZED.

UPTON COMMUNITY CENTER
9 MILFORD STREET, UPTON, MA 01568
100% CD-COMFORMANCE SET ADDENDA 1-4 INCORPORATED 10/6/2021

HVAC
CONTROLS II

JOB NUMBER:
20-05

DRAWN BY:
TRB

CHECKED BY:
DBP

DATE:
09/8/2021

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

SHEET NO.:

M402

REVISED: 2020.04



Turowski2 Architecture

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313 Wareham Road
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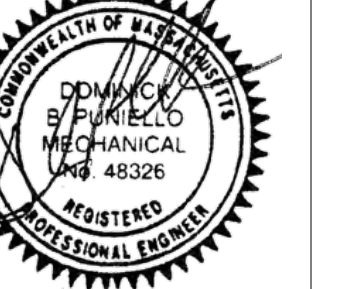
www.t2architecture.com

CONSULTANT:



GARCIA-GALUSKA-DESOUZA
CONSULTING ENGINEERS INC.
280 Proctor Street, Suite 100
Marion, MA 02748
(508) 758-9777

STAMP:



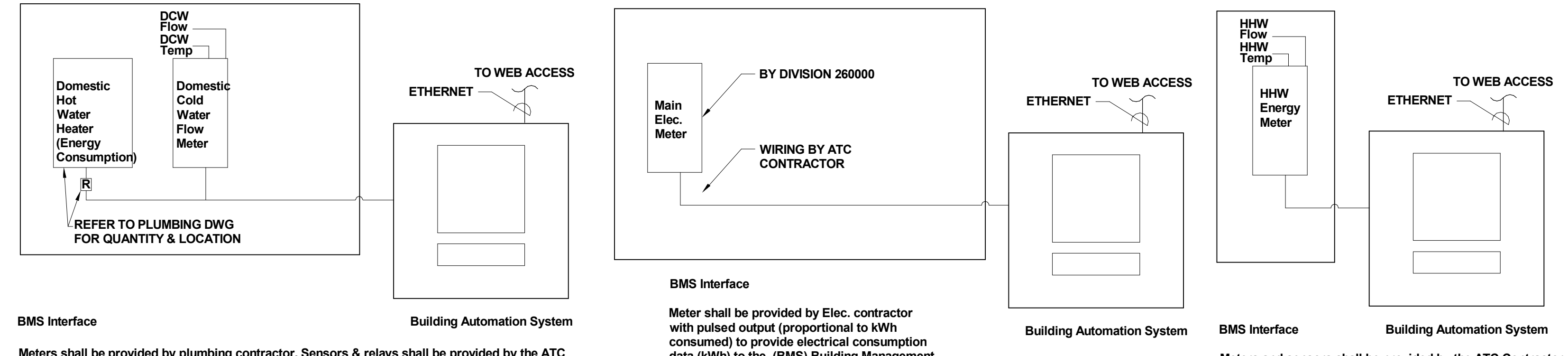
REVISIONS:

No.	Description	Date

BUILDING ENERGY METERING SYSTEM

	AI	AO	DI	DO	ALARM	REMARKS
BTU ENERGY METER	X					
MAIN ELECTRICAL METER (COORD. W/ ELEC)	X					NOTE #1
DOMESTIC CW FLOW METER (NPCW-1)	X					
DOMESTIC HHW (DHW-1)	X					
GAS SUBMETER (X3)	X					

NOTE #1: ELECTRICAL METER BY ELECTRICAL CONTRACTOR PROVIDE POINTS VIA METER. ATC CONTRACTOR TO PROVIDE NECESSARY CONTROLLERS, WIRING & CONDUITS FOR COMMUNICATIONS & INTEGRATION WITH ELECTRICAL DEMAND & SERVICE METERS. ATC CONTRACTOR SHALL COORDINATE W/ ELECTRICAL CONTRACTOR & PROVIDE PROGRAMMING & GRAPHICAL REPRESENTATION OF ALL ELECTRICAL METERS & COLLECTED INFORMATION. ALSO PROVIDE INDIVIDUAL DESCRIPTIONS OF EACH DEMAND METER & ASSOCIATED CIRCUITS SUCH AS LIGHTING, PLUG LOADS, MECHANICAL EQUIPMENT, ETC. AS WELL AS THEIR LOCATION IN THE BUILDING.



VARIABLE FREQUENCY DRIVE INTERFACE

POINT NAME	HARDWARE POINTS				SOFTWARE POINTS					REMARKS		
	AI	AO	BI	BO	AV	BV	LOOP	SCHED	TREND		ALARM	SHOW ON GRAPHIC
MOTOR SPEED RPM					X							X
MOTOR FREQUENCY HERTZ					X					X		X
MOTOR CURRENT AMPS					X				X			X
MOTOR RUNTIME					X							X
VFD STATUS						X				X		X
IN FAULT CONDITION						X				X	X	X
IN BYPASS						X				X	X	X
POWER, KW					X					X		X
ENERGY, KWH					X					X		X

VARIABLE FREQUENCY DRIVE (VFD) INTERFACE MONITOR: CURRENT VFD STATUS AND OPERATING CONDITIONS SHALL BE MONITORED THROUGH ITS COMMUNICATIONS INTERFACE PORT. THE INTERFACE SHALL MONITOR AND TREND THE POINTS AS SHOWN ON THE POINTS LIST.

MISCELLANEOUS BMS POINTS

UNIT #	UNIT FUNCTION	UNIT LOCATION	AI	AO	DI	DO	ALARM	REMARKS
CWM	COLD WATER METER	MECHANICAL 023		X				NOTE #1
	EMERG GENSET, STATUS ON/OFF				X		X	VIA GENSET DRY CONTACTS, NOTE #2
	KITCHEN GAS VALVE/SOLENOID		X			X	X	
GW-1	HOT WATER HEATER	MECHANICAL 023			X	X	X	
CP-1	CIRCULATION PUMP	MECHANICAL 023			X	X	X	
CP-2	CIRCULATION PUMP	MECHANICAL 023			X	X	X	
GF-1	GLYCOL FEEDER	MECHANICAL 023			X	X	X	NOTE #4

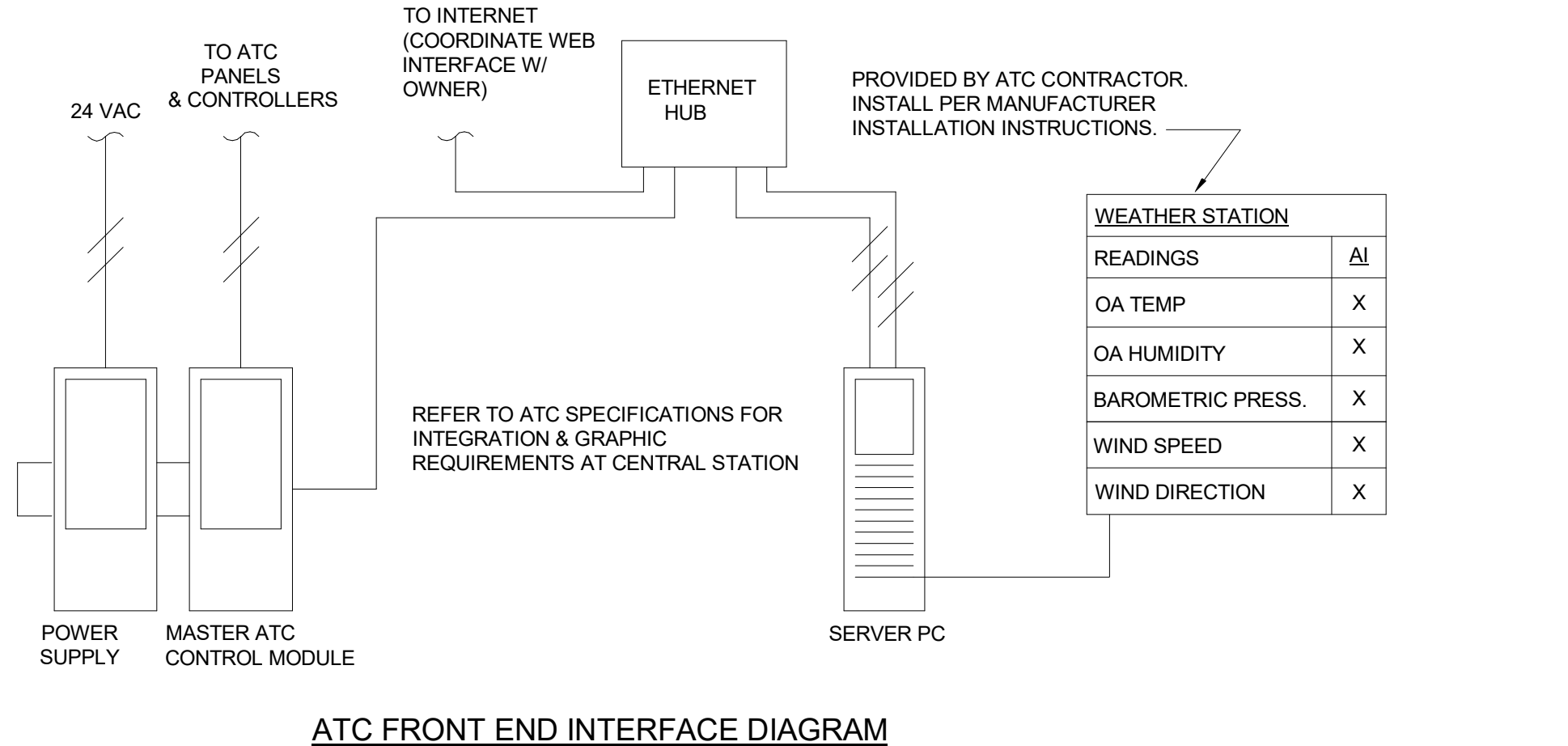
NOTE #1: ACTUAL METER, FLOW SWITCH & HIGH/LOW SENSOR FURNISHED & INSTALLED BY DIVISION 220000. COORDINATE INSTALLATION OF SENSORS W/ DIVISION 220000 CONTRACTOR. ATC CONTRACTOR TO PROVIDE ALL CONTROLLERS, CONDUITS, WIRING, RELAYS, ETC., AS WELL AS GRAPHICAL REPRESENTATION ON THE BMS SYSTEM OF ALL COLLECTED INFORMATION.

NOTE #2: ATC CONTRACTOR TO PROVIDE NECESSARY CONDUIT, WIRING, SENSORS, CONTROLLERS AND RELAYS FROM ATC MAIN CONTROL PANEL TO EMERGENCY GENERATOR FOR STATUS.

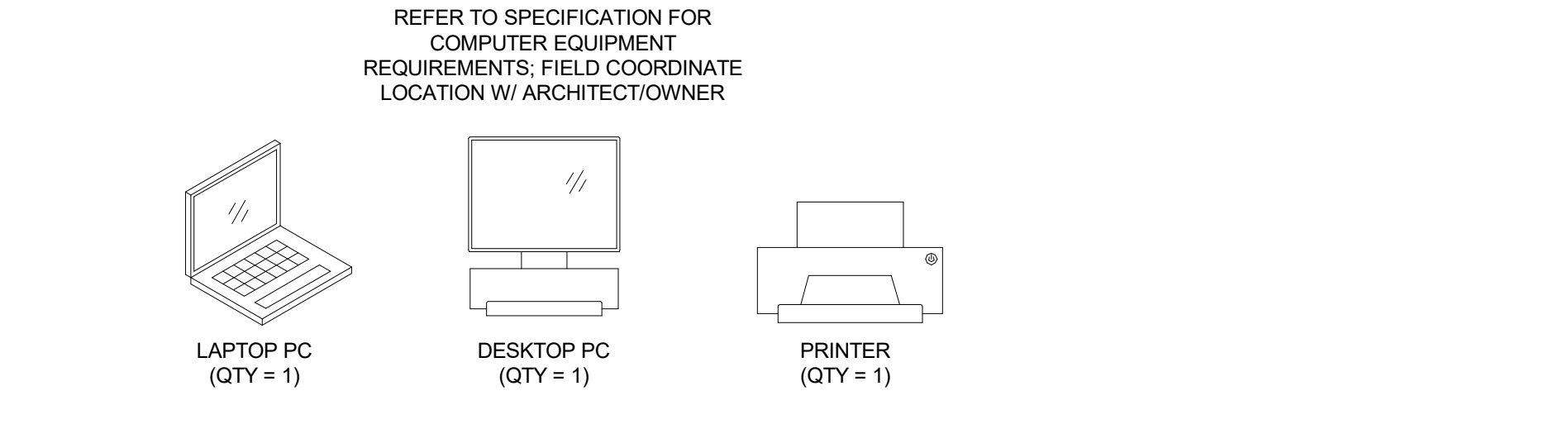
NOTE #3: INCLUDES OA TEMP (DB/WB), OA HUMIDITY (%RH), BAROMETRIC PRESSURE AND WIND SPEED.

NOTE #4: WATER CUT-OFF ALARM VIA GLYCOL FEEDER CONTROL PANEL OUTPUT

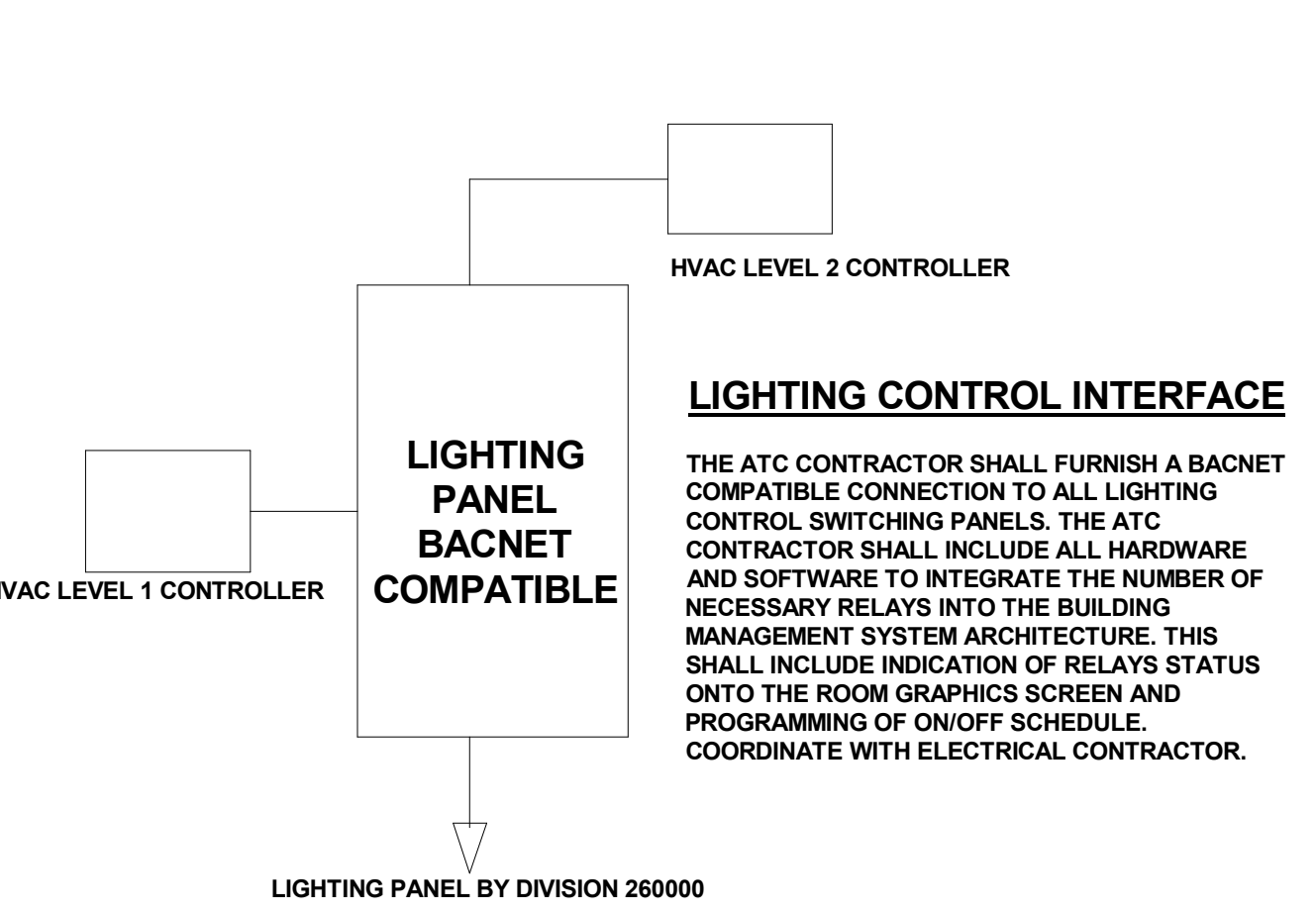
KEY: WH = WATER HEATER, RP = CIRCULATOR PUMP, NT = NEUTRALIZATION TANK, GB = GAS BOOSTER, GSM = GAS METER, FS = FLOW SWITCH, DWB = DOMESTIC WATER BOOSTER, HWSM = HOT WATER SUB METER, CWSM = COLD WATER SUB METER



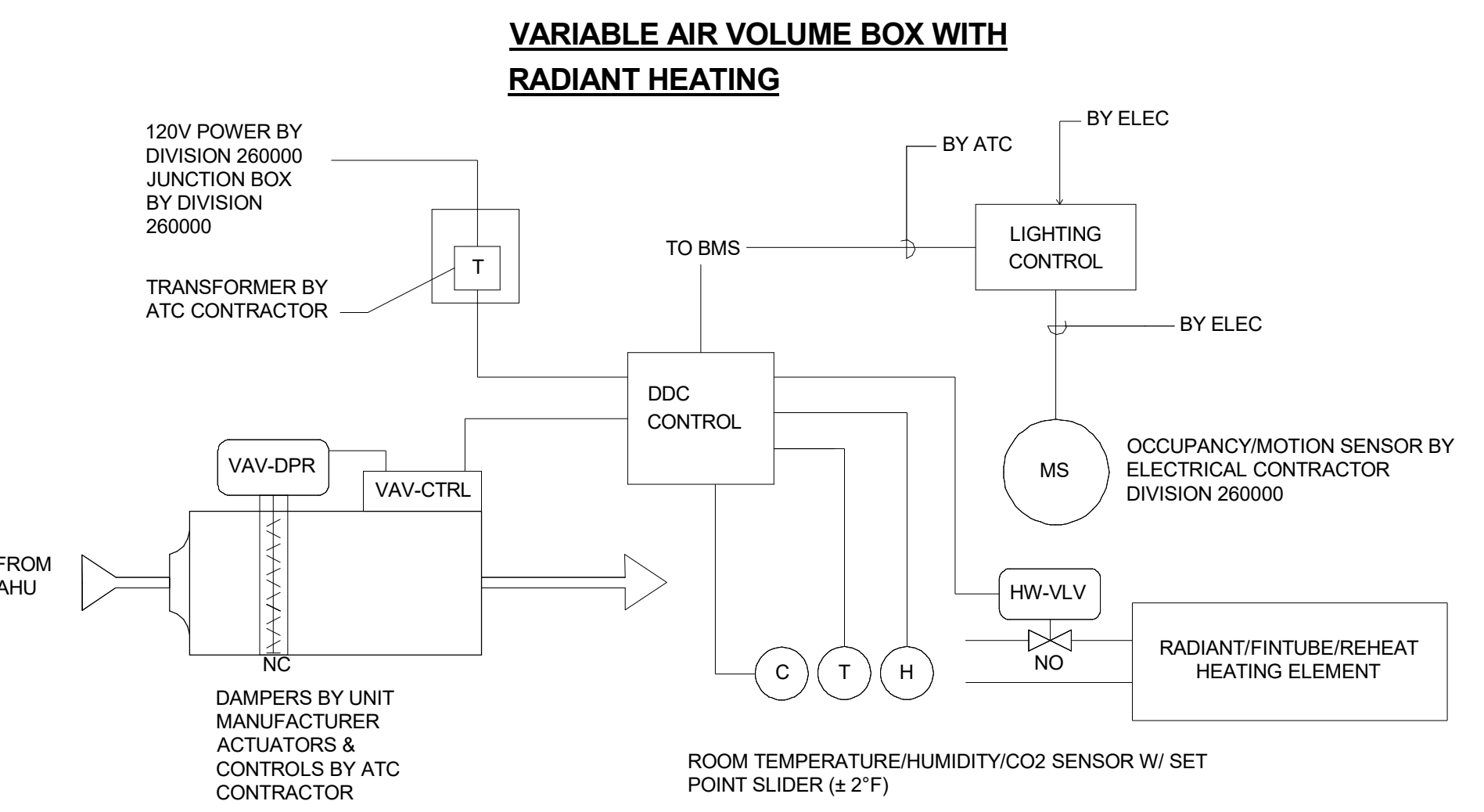
ATC FRONT END INTERFACE DIAGRAM



BUILDING ENERGY METERING SYSTEM



LIGHTING CONTROL INTERFACE
THE ATC CONTRACTOR SHALL FURNISH A BACNET COMPATIBLE CONNECTION TO ALL LIGHTING CONTROL SWITCHING PANELS. THE ATC CONTRACTOR SHALL INCLUDE ALL HARDWARE AND SOFTWARE TO INTEGRATE THE NUMBER OF NECESSARY RELAYS INTO THE BUILDING MANAGEMENT SYSTEM ARCHITECTURE. THIS SHALL INCLUDE INDICATION OF RELAYS STATUS ON TO THE ROOM GRAPHICS SCREEN AND PROGRAMMING OF ON/OFF SCHEDULE COORDINATE WITH ELECTRICAL CONTRACTOR.

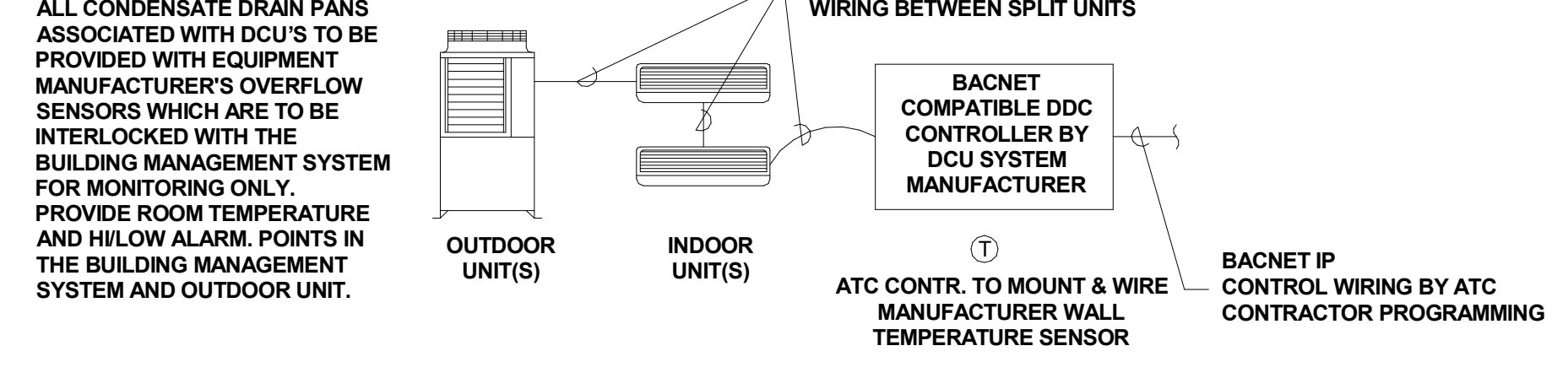


VARIABLE AIR VOLUME BOX WITH SUPPLEMENTAL TERMINAL HEATING

- OCCUPIED:** THE SPACE THERMOSTAT, OR AVERAGE VALUE OF SPACE THERMOSTATS WHERE PLANS SHOW MULTIPLE THERMOSTATS FOR A SINGLE VAV BOX, SHALL MODULATE THE NORMALLY-OPEN VARIABLE AIR VOLUME BOX DAMPER BETWEEN THE MAXIMUM AND MINIMUM POSITIONS AS INDICATED IN THE DRAWINGS TO MAINTAIN THE OCCUPIED SETPOINTS OF 70°F (ADJ) HEATING & 75°F (ADJ) COOLING. AT ANY POSITION, IF THE SPACE TEMPERATURE FALLS BELOW THE HEATING SETPOINT THEN THE MODULATING RADIATION CONTROL VALVE SHALL MODULATE OPEN TO MAINTAIN HEATING SETPOINT OF 70°F (ADJ). THE VAV BOX REMAINS IN OCCUPIED MODE AS LONG AS THE SPACE MOUNTED OCCUPANCY SENSOR SENSES MOTION AT LEAST ONCE EVERY 10 MINUTES (ADJ). IF NOT THEN THE VAV BOX WILL GO INTO STANDBY MODE.
- UNOCCUPIED:** DURING UNOCCUPIED MODE, THE DAMPER SHALL BE FULL OPEN AND THE RADIATION AND/OR REHEAT COIL HEATING HOT WATER CONTROL VALVE SHALL MODULATE TO MAINTAIN UNOCCUPIED SPACE TEMPERATURE SETPOINT.
- OVERRIDE:** ROOMZONE TEMPERATURE SENSORS SHALL HAVE PUSH BUTTON OCCUPIED OVERRIDE BUTTON CAPABILITY. UPON ACTIVATION OF A SINGLE SPACE TEMPERATURE SENSOR DURING THE WINTER MONTHS, THE SPACE RADIANT PANEL AND/OR REHEAT COIL CONTROL VALVE WILL BEGIN TO MODULATE OPEN TO MAINTAIN THE OCCUPIED HEATING SETPOINT OF 70°F (ADJ) FOR A PERIOD OF 2 HOURS (ADJ). UPON ACTIVATION OF OVERRIDE BUTTON UPON ACTIVATION OF THE OVERRIDE BUTTON DURING THE WINTER MONTHS THE VAV DAMPER SHALL REVERT TO OCCUPIED MODE & MODULATE ITS DAMPER AS REQUIRED TO MEET THE OCCUPIED SPACE SETPOINT TEMPERATURE. FOR ANY OF THE VAVS ASSOCIATED WITH ONE RTU, THE RTU STATUS WILL CHANGE TO OCCUPIED MODE FOR A PERIOD OF 2 HOURS (ADJ).
- CO2 CONTROLS:** THE SPACE MOUNTED CO2 SENSOR SHALL GENERATE AN ALARM WHEN CONDITIONS VARY BY 10% OR MORE FROM THE DESIGN CONDITION OF 800 PPM. ONCE THE SPACE CO2 LEVELS REACH 750 PPM THE VAV DAMPER SHALL MODULATE OPEN UNTIL THE CO2 LEVELS FALL BELOW THE THRESHOLD. DURING WINTER MONTHS THE RADIANT PANEL HHW VALVE SHALL MODULATE OPEN TO MAINTAIN SPACE TEMPERATURE DURING THIS CONDITION.
- STANDBY MODE:** DURING STANDBY MODE, THE VAV DAMPER AND HHW RADIANT AND/OR REHEAT COIL CONTROL VALVE SHALL CLOSE AND THE ROOM SETPOINTS WILL RESET FROM 70°F (ADJ) HEATING TO 68°F (ADJ) AND 75°F (ADJ) COOLING TO 78°F (ADJ). DURING THIS MODE BOTH THE VAV DAMPER AND HHW CONTROL VALVES SHALL MODULATE TO MAINTAIN THESE RESET SETPOINTS. ONCE THE OCCUPANCY SENSOR SENSES MOTION THE VAV BOX WILL REVERT BACK TO OCCUPIED MODE.

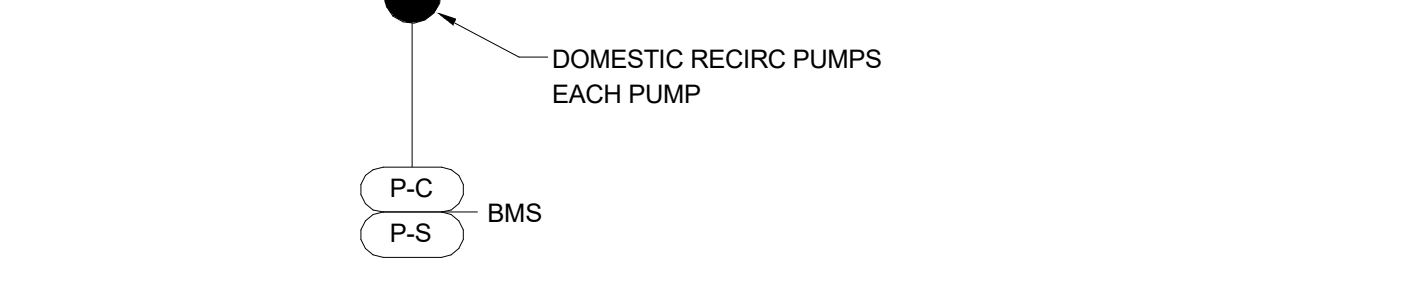
VARIABLE AIR VOLUME BOX (VAV)	AI	AO	DI	DO	ALARM	SHOW ON GRAPHICS
DAMPER POS./COMMAND (EACH)	X	X			X	X
SUPPLY AIR TEMP.	X					X
SUPPLY AIR VOLUME (CFM)	X					X
ROOM TEMPERATURE	X				X	X
HH W RADIANT PANEL VALVE	X	X			X	X
CO2 SENSOR	X				X	X
INTERLOCKED EXH. FAN	X					X
INTERLOCKED RETURN AIR DAMPER	X					X
MOTION SENSOR (I.L.C.P)	X					X
VERRIDE			X			X
HUMIDITY	X					X

DUCTLESS COOLING UNITS (DCU)



DUCTLESS COOLING UNIT (DCU)	AI	AO	DI	DO	ALARM	SHOW ON GRAPHIC	REMARKS
DCU SYSTEM INDOOR STATUS				X	X	X	
SPACE TEMPERATURE	X					X	
CONDENSATE OVERFLOW ALARM			X			X	

PROVIDE EVAPORATOR UNIT STATUS CONTROL POINTS VIA DCU SYSTEM CONTROLLER'S BAS INTERFACE. SAFETY: UPON A HIGH FLOAT CONDITION UNIT SHALL BE DE-ENERGIZED.



DOMESTIC RECIRC PUMPS

A DDC CONTROLLER USING ELECTRIC ACTUATION CONTROLS THE DOMESTIC RECIRC PUMPS. THE PUMPS SHALL BE ENABLED BASED ON SCHEDULE.

CONTROL POINT	AI	AO	DI	DO	ALARM	REMARKS
START	X				X	
STOP	X				X	
STATUS	X				X	

UPTON COMMUNITY CENTER
9 MILFORD STREET, UPTON, MA 01568
100% CD-COMFORMANCE SET ADDENDA 1-4 INCORPORATED 10/6/2021

TITLE:
HVAC CONTROLS IV

JOB NUMBER:
20-05

DRAWN BY:
TRB

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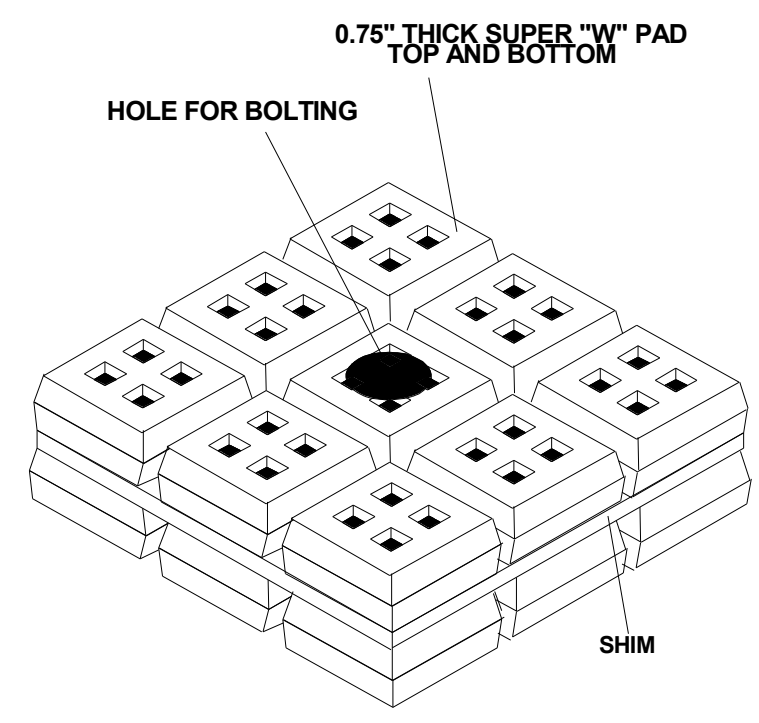
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09/8/2021

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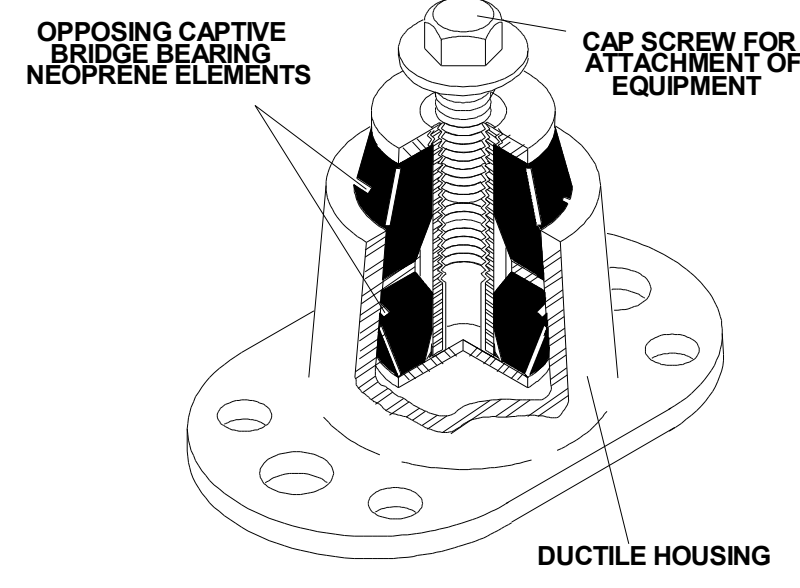
SHEET NO.:

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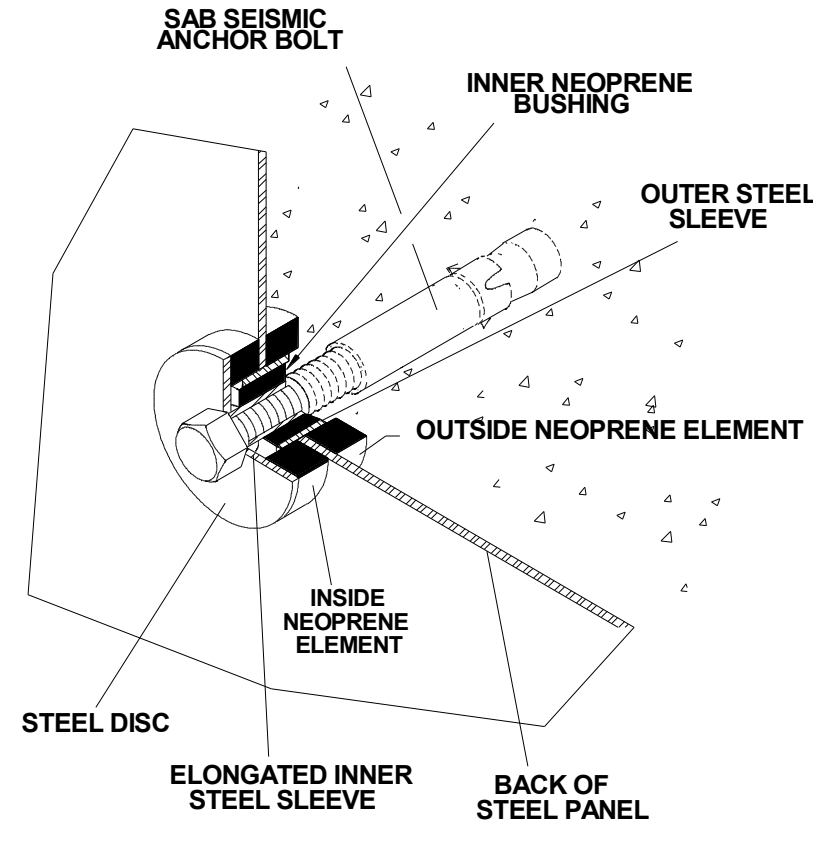
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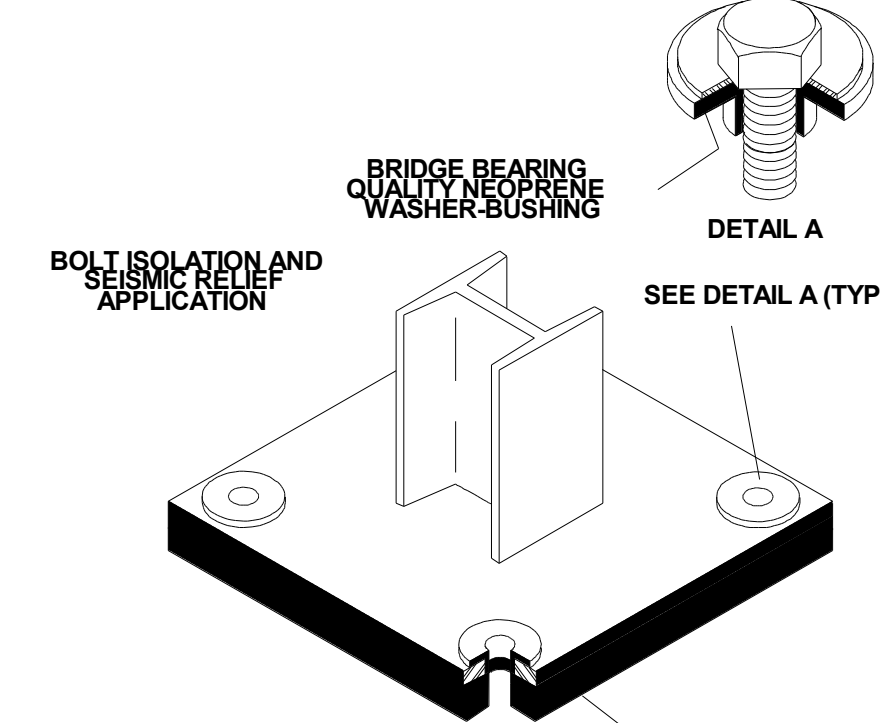
LAYERED SUPER "W" PADS WITH STEEL SHIM
SPECIFICATION 1



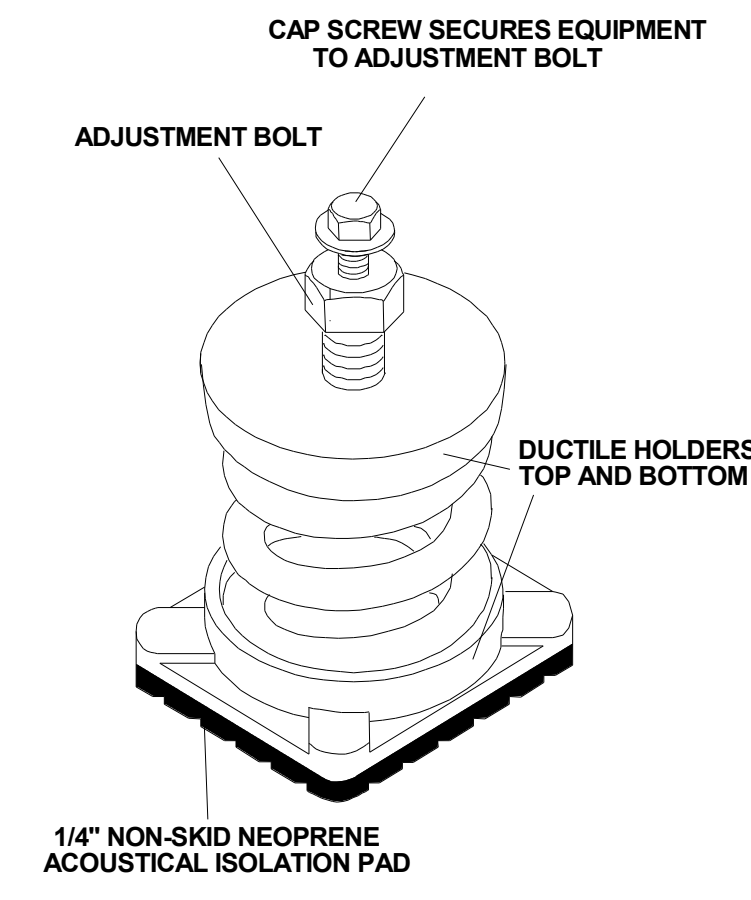
RESTRAINED BR MOUNT
SPECIFICATION 2



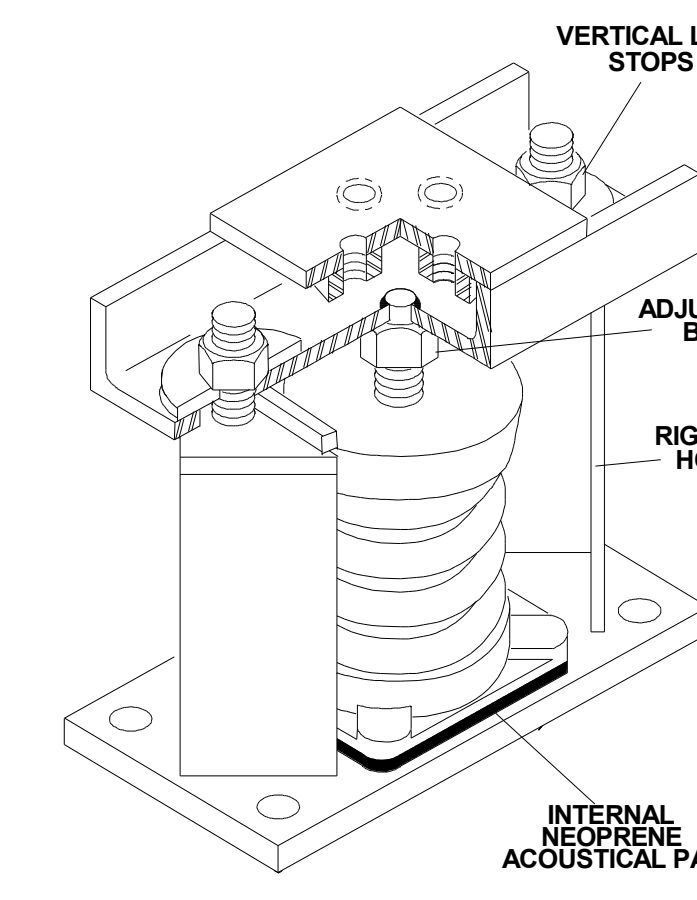
PB BUSHING
SPECIFICATION 3



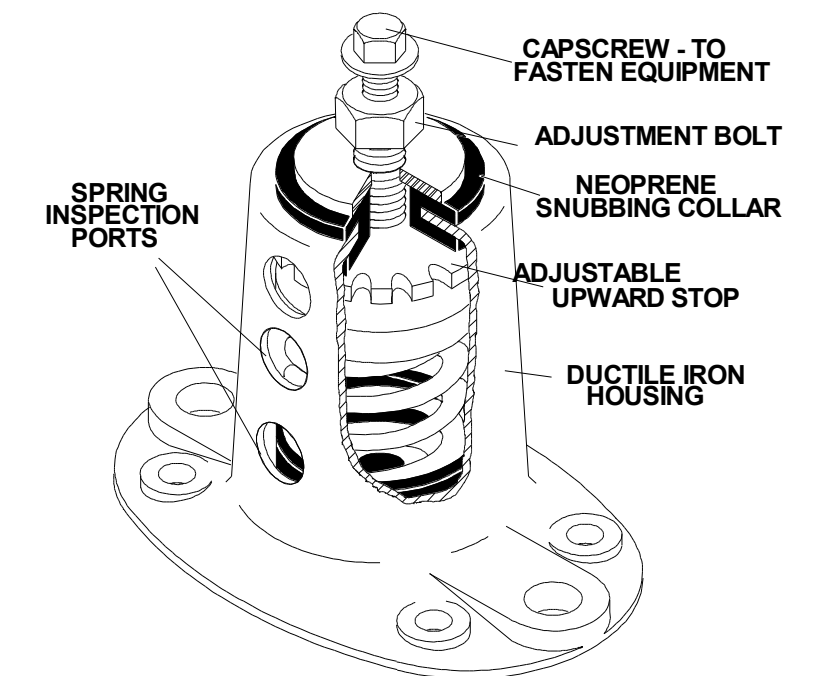
HG NEOPRENE BUSHING
SPECIFICATION 4



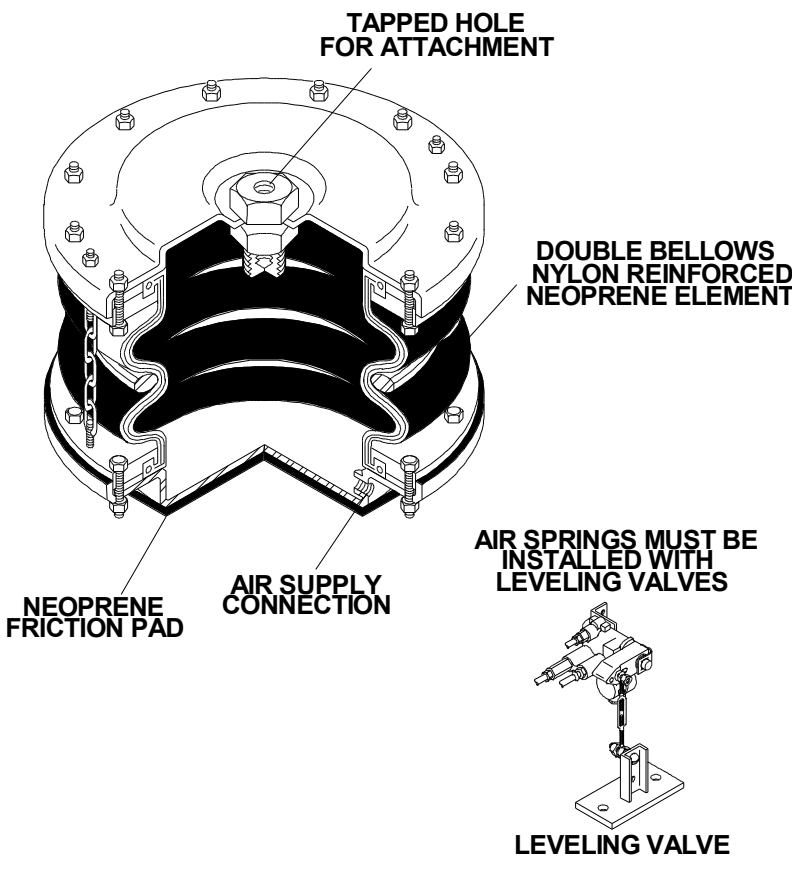
SLF SPRING MOUNT
SPECIFICATION 5



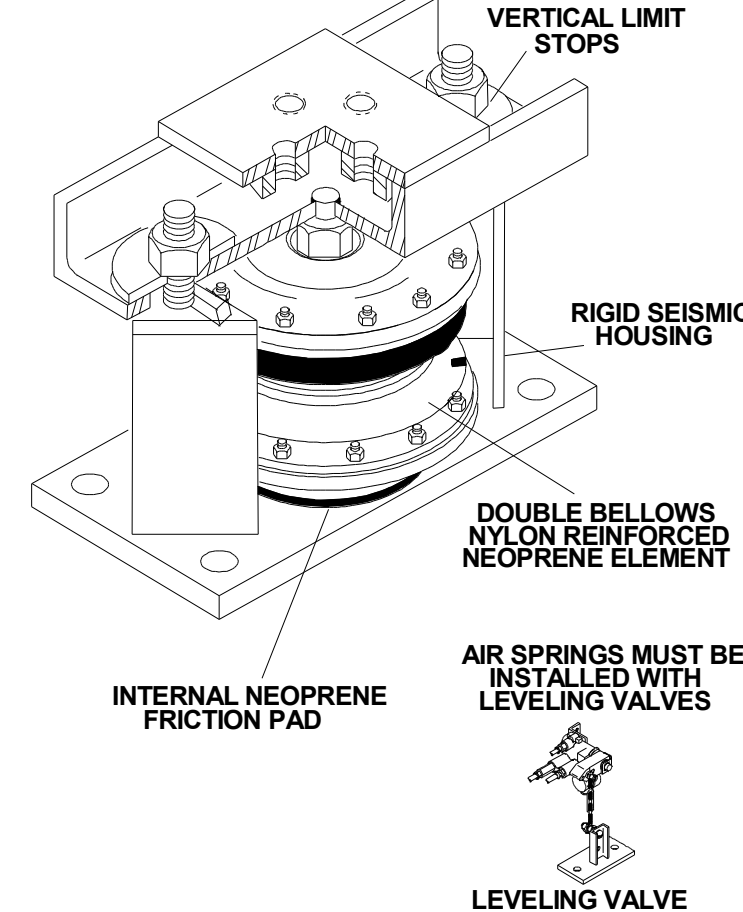
SLR SPRING MOUNT
SPECIFICATION 6



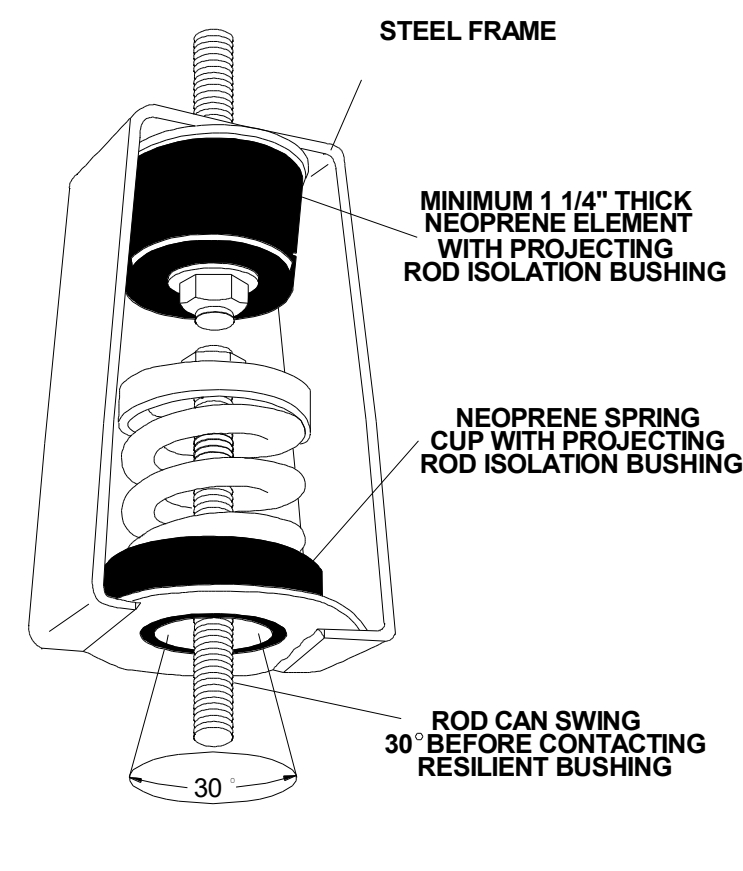
SLFH HOUSED SPRING MOUNT
SPECIFICATION 7



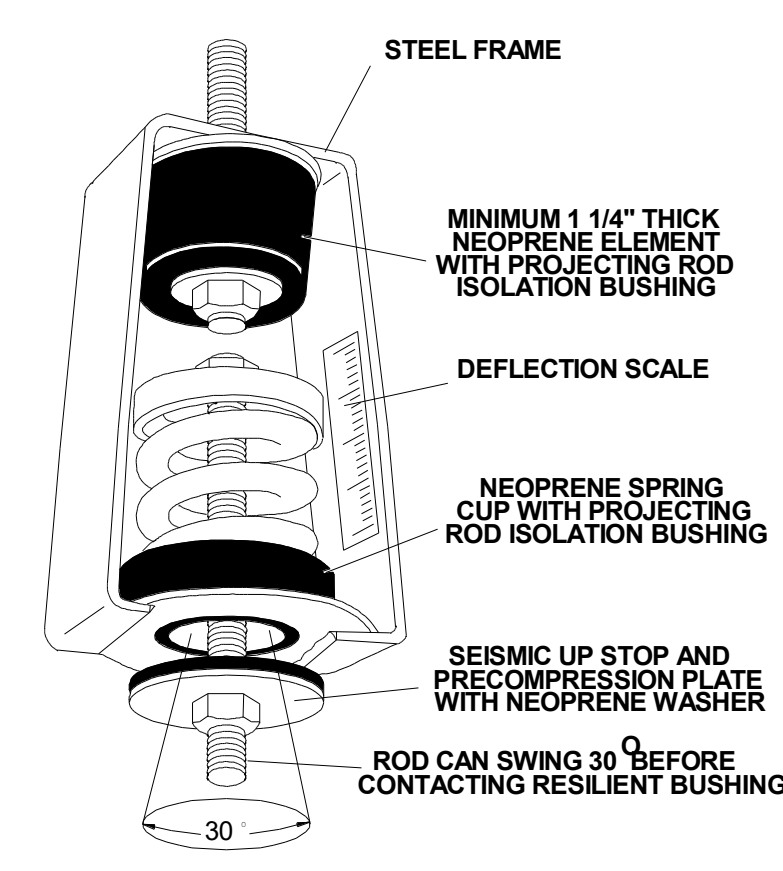
MT AIR SPRING MOUNT
SPECIFICATION 8



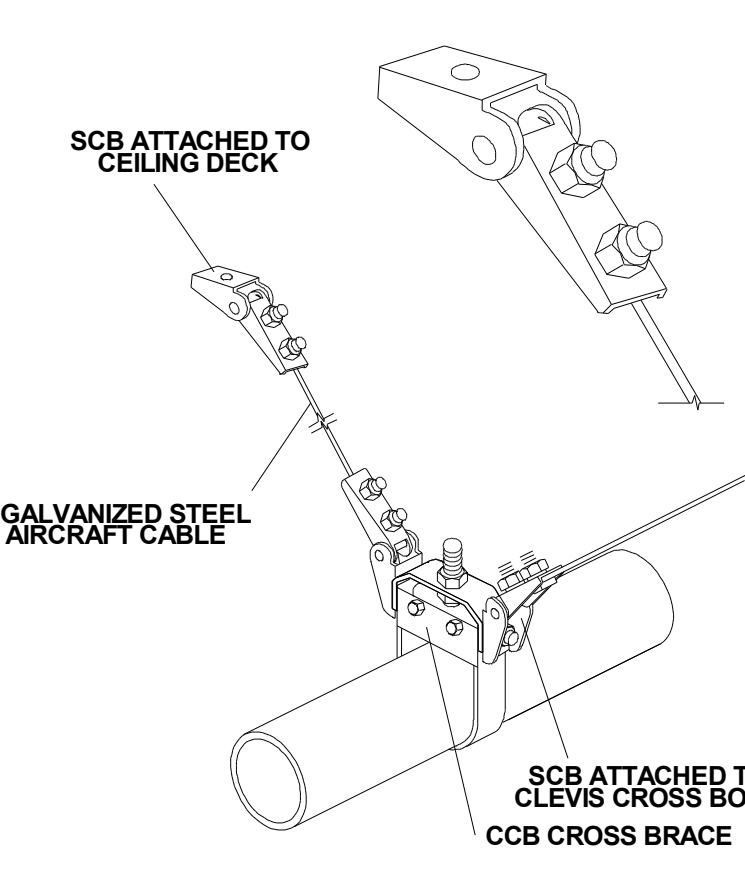
SLR AIR SPRING MOUNT
SPECIFICATION 9



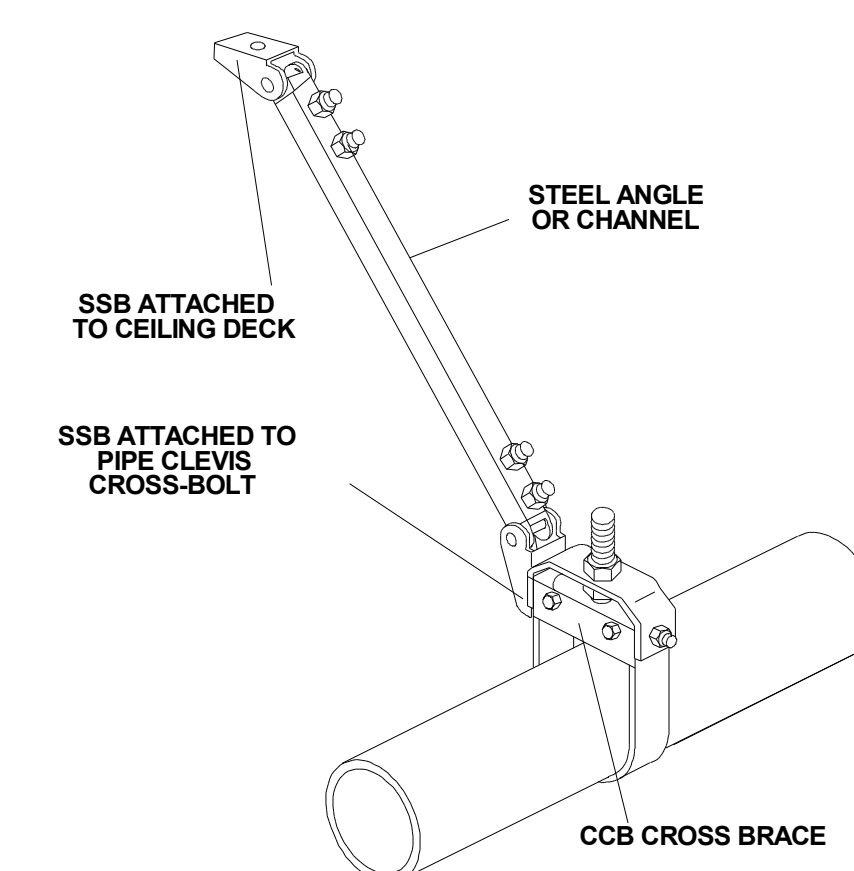
30N SPRING AND NEOPRENE HANGER
SPECIFICATION 10



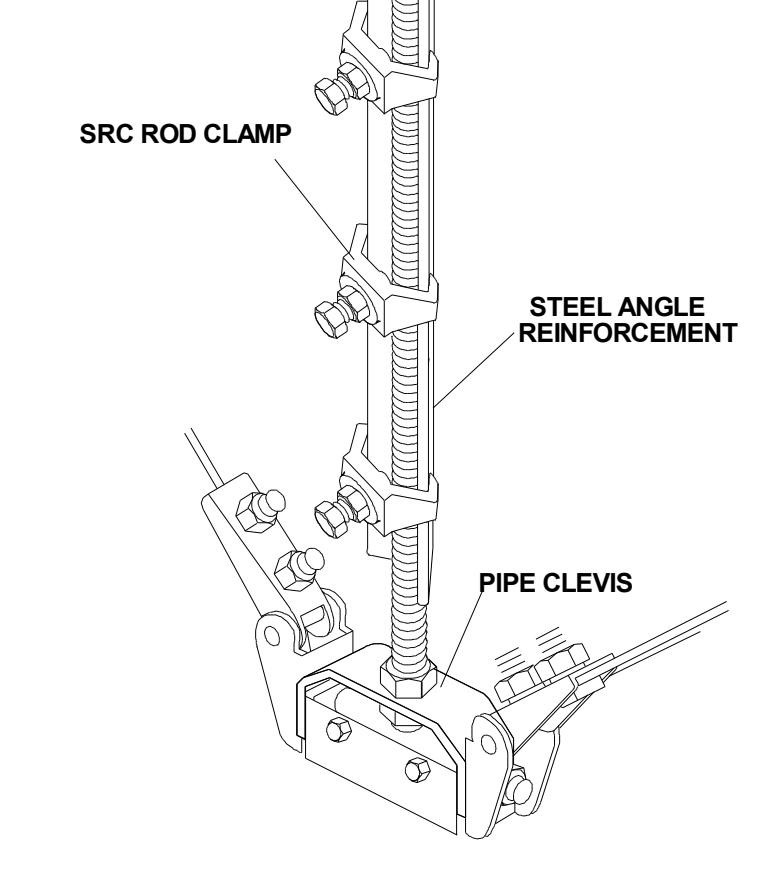
PC30N PRECOMPRESSED SPRING AND NEOPRENE HANGER
SPECIFICATION 11



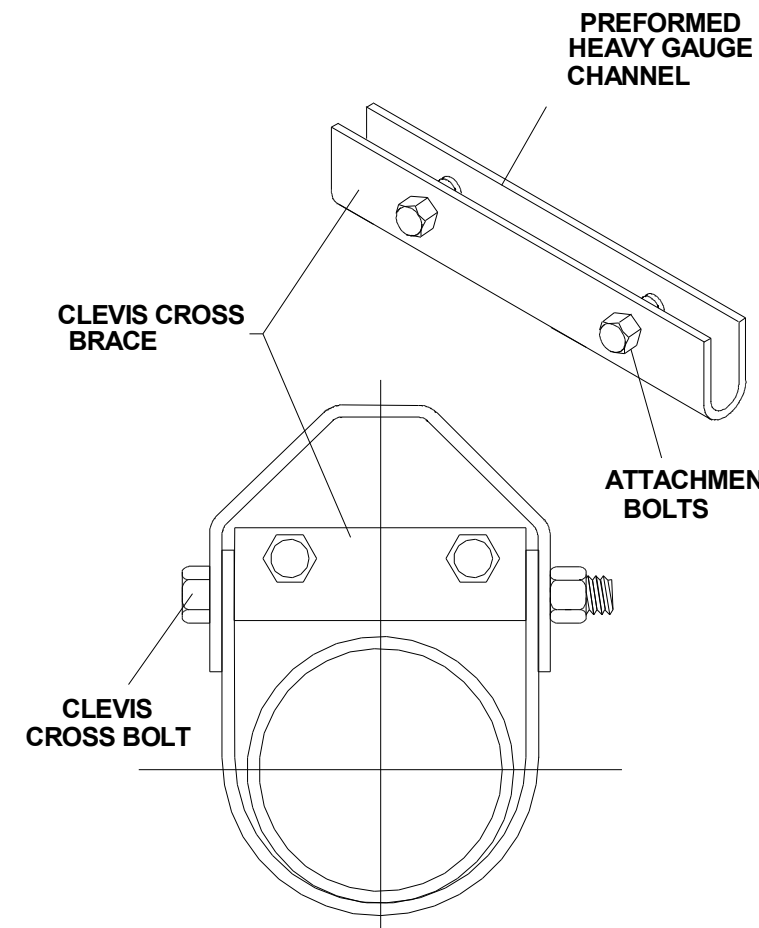
SCB, SCBH, AND SCBV CABLE RESTRAINTS
OSPD PRE-APPROVAL NO. 0202
SPECIFICATION 12



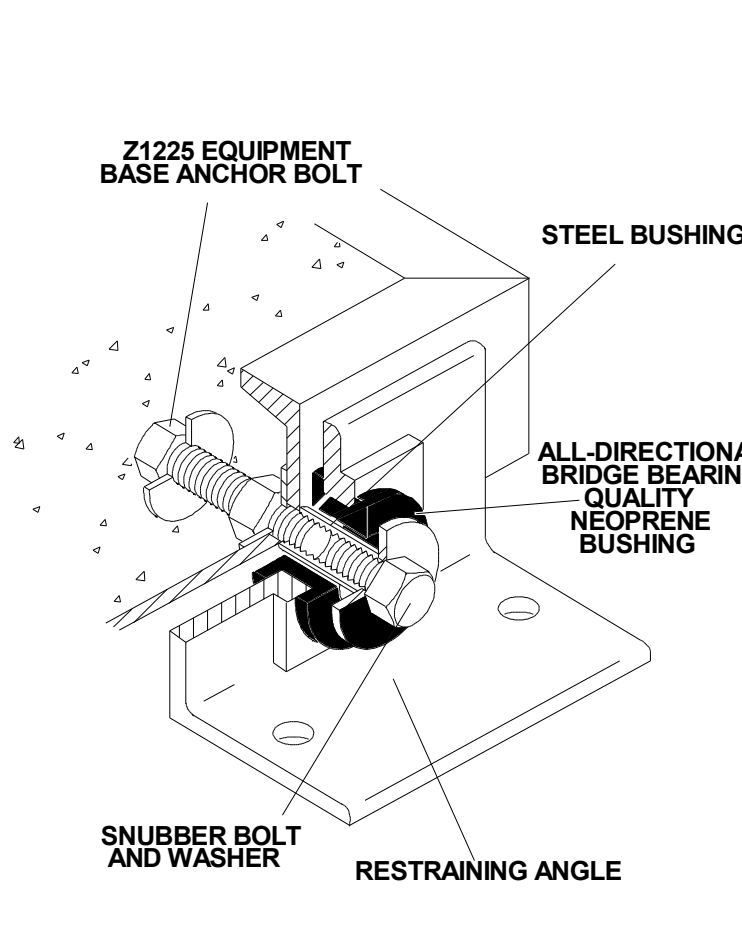
SEISMIC SOLID BRACE
SPECIFICATION 13



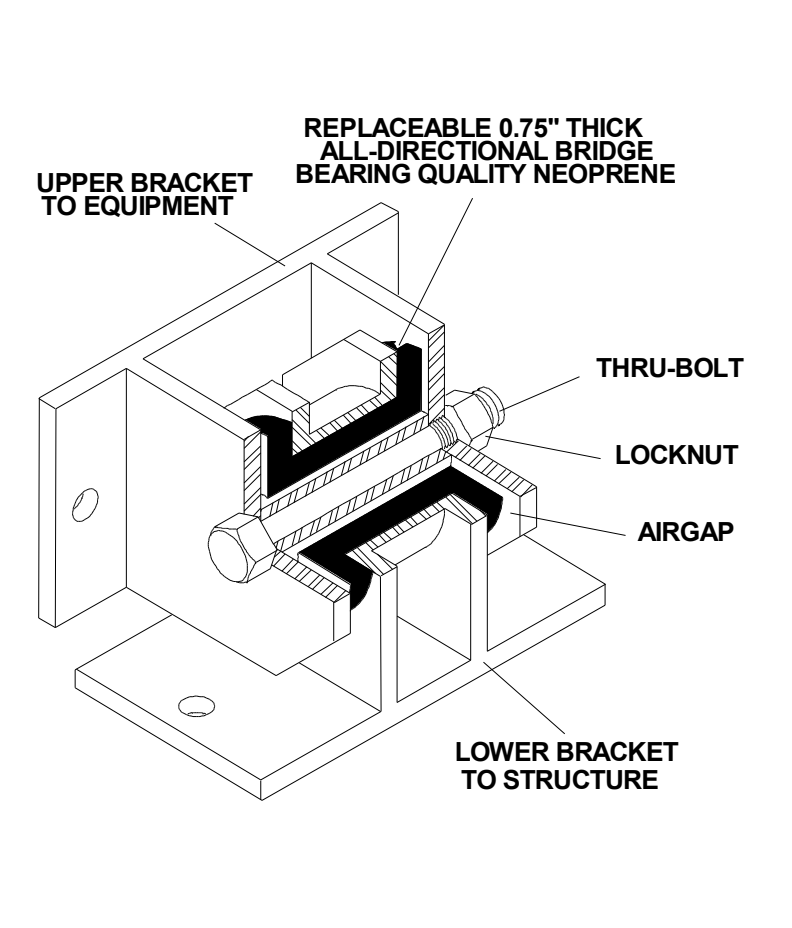
SRC SEISMIC ROD CLAMPS
SPECIFICATION 14



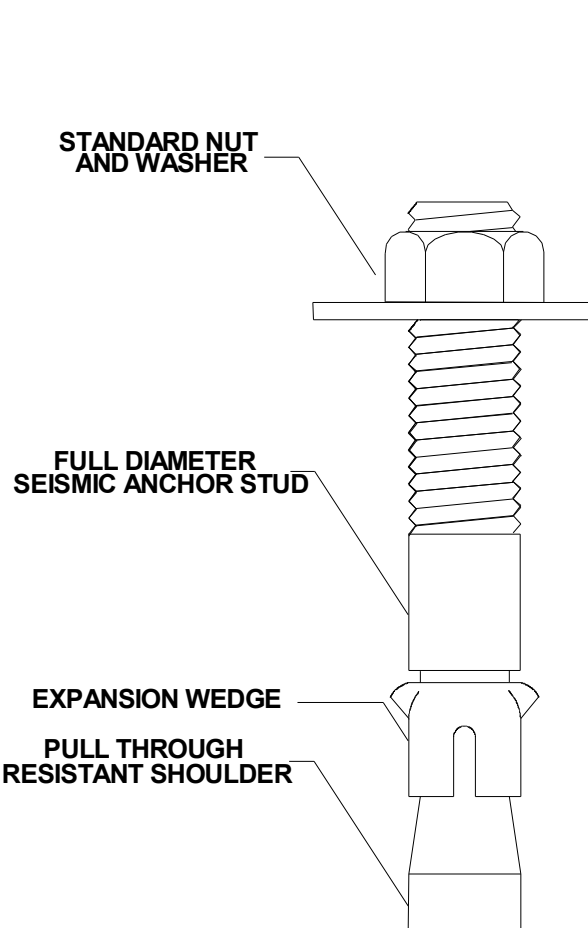
CCB CLEVIS CROSS BRACE
SPECIFICATION 15



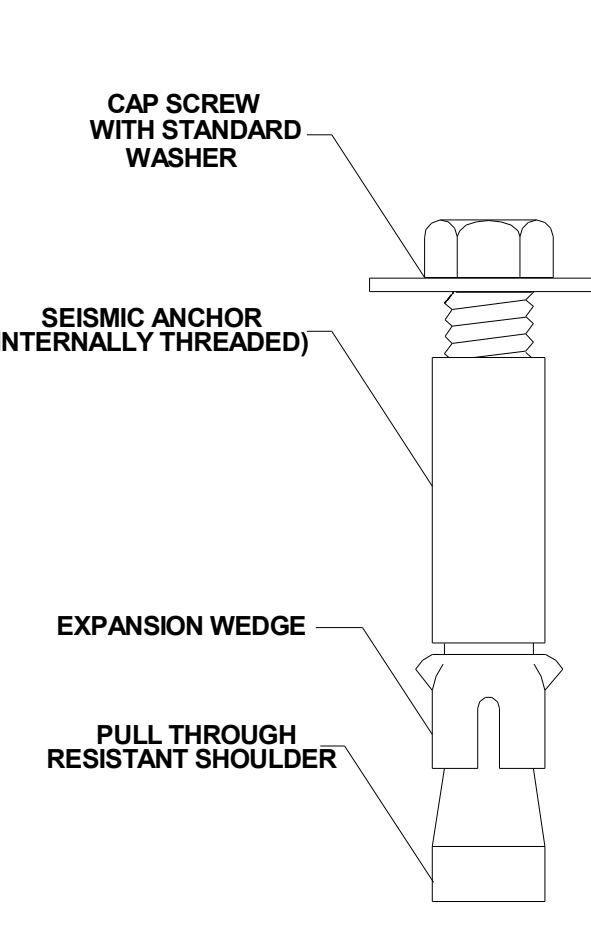
Z1225 ALL DIRECTIONAL SEISMIC SNUBBER
SPECIFICATION 16



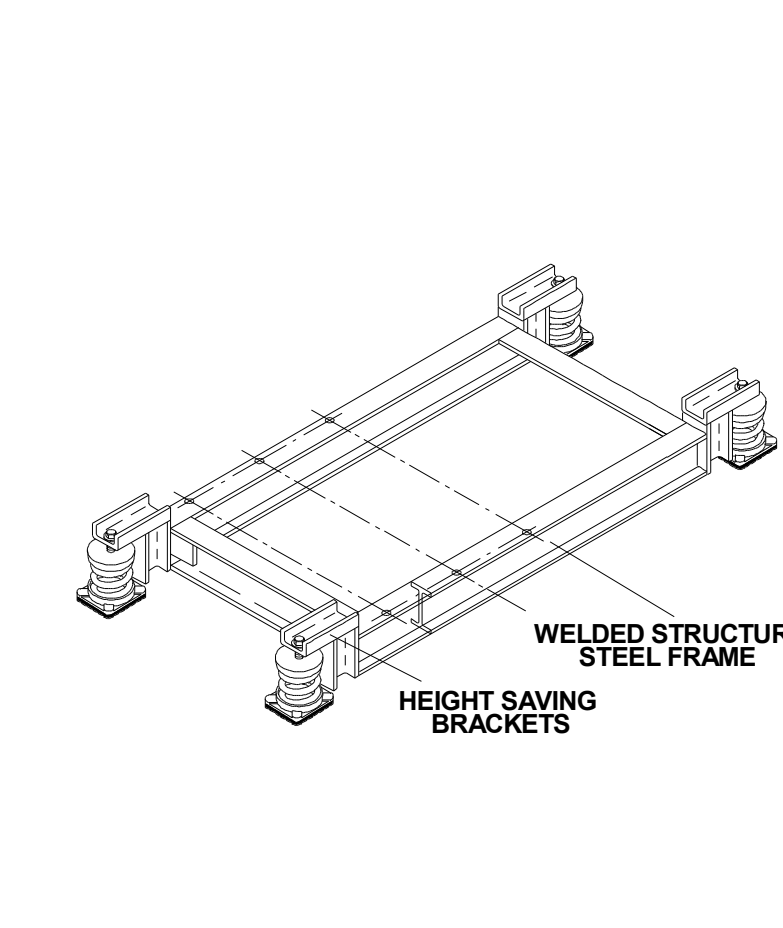
Z1011 ALL DIRECTIONAL SEISMIC SNUBBER
SPECIFICATION 17



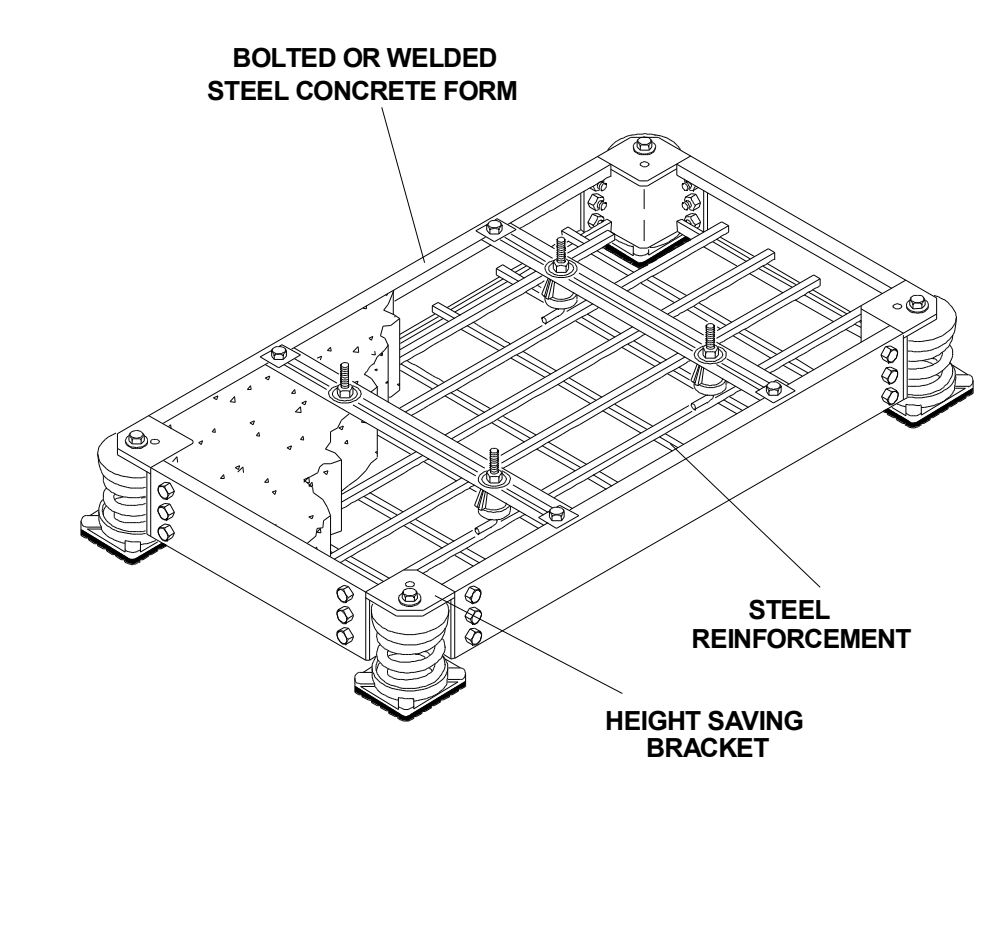
SAS SEISMIC ANCHOR STUD
SPECIFICATION 18



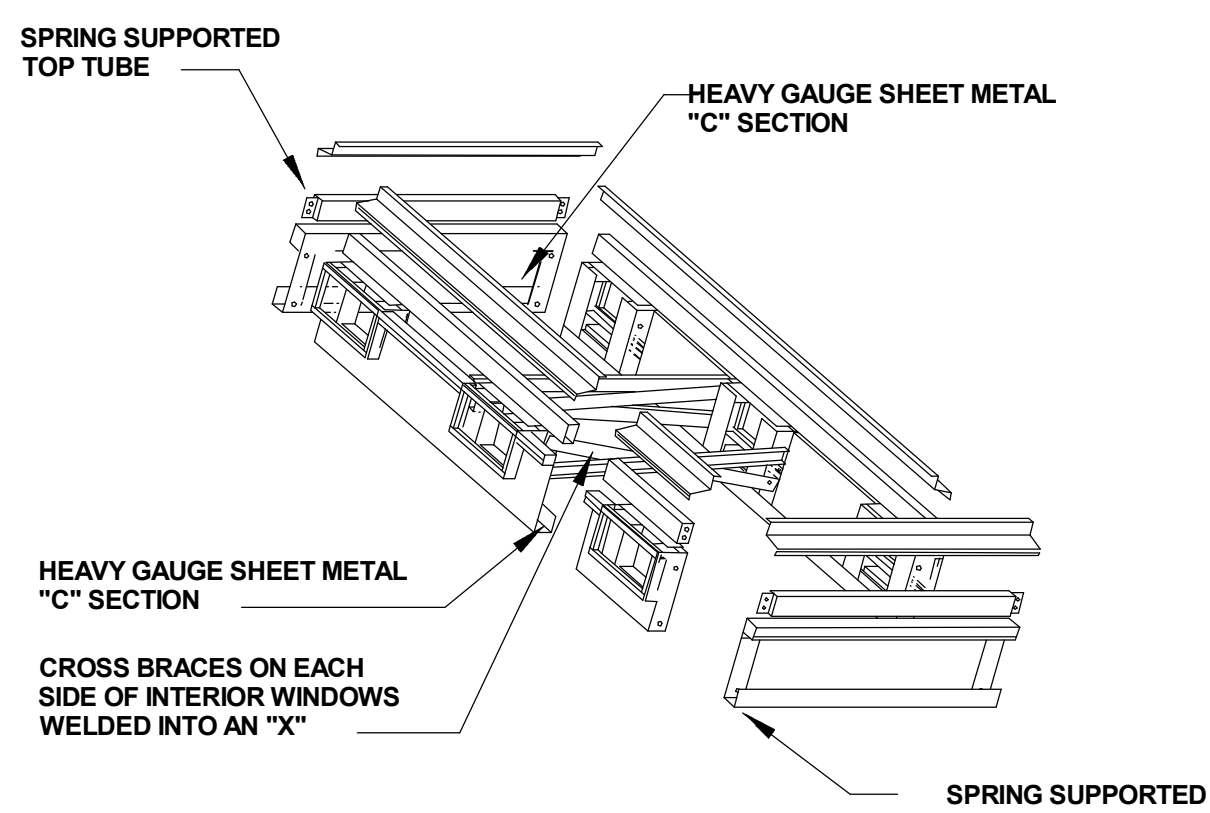
SAB SEISMIC ANCHOR BOLT
SPECIFICATION 19



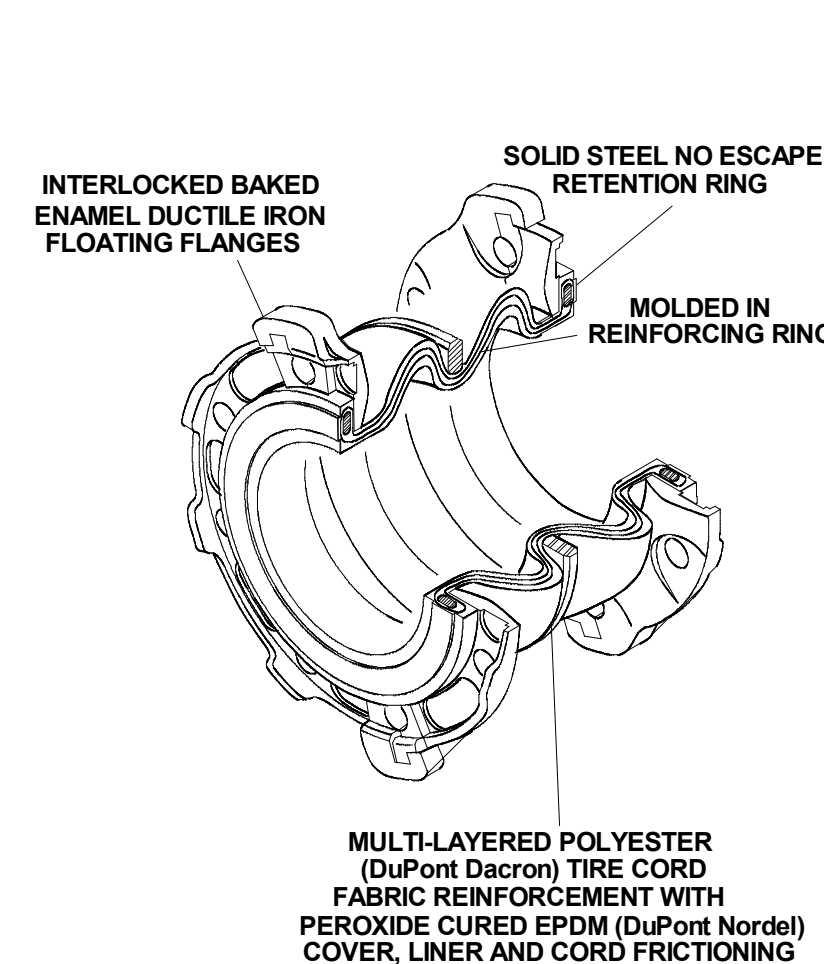
WF WIDE FLANGE STEEL BASE
SPECIFICATION 20



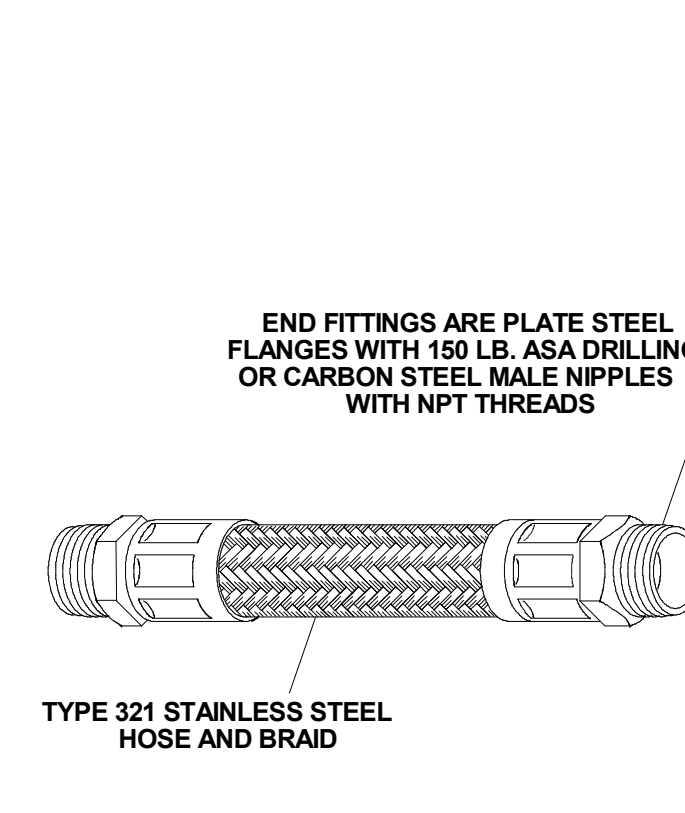
BMK CONCRETE FORM BASE
SPECIFICATION 21



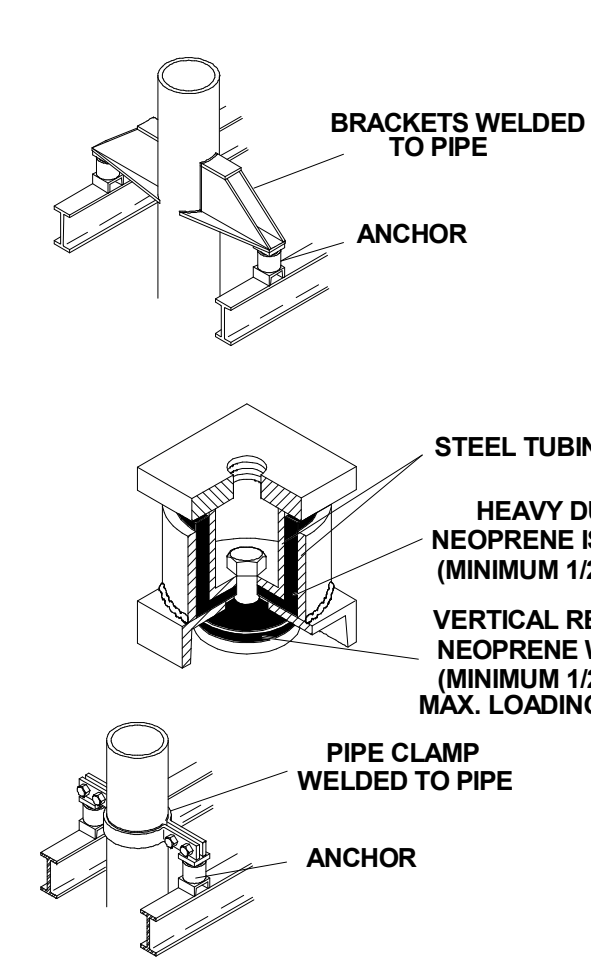
RCS SEISMIC ROOFTOP CURB
SPECIFICATION 22



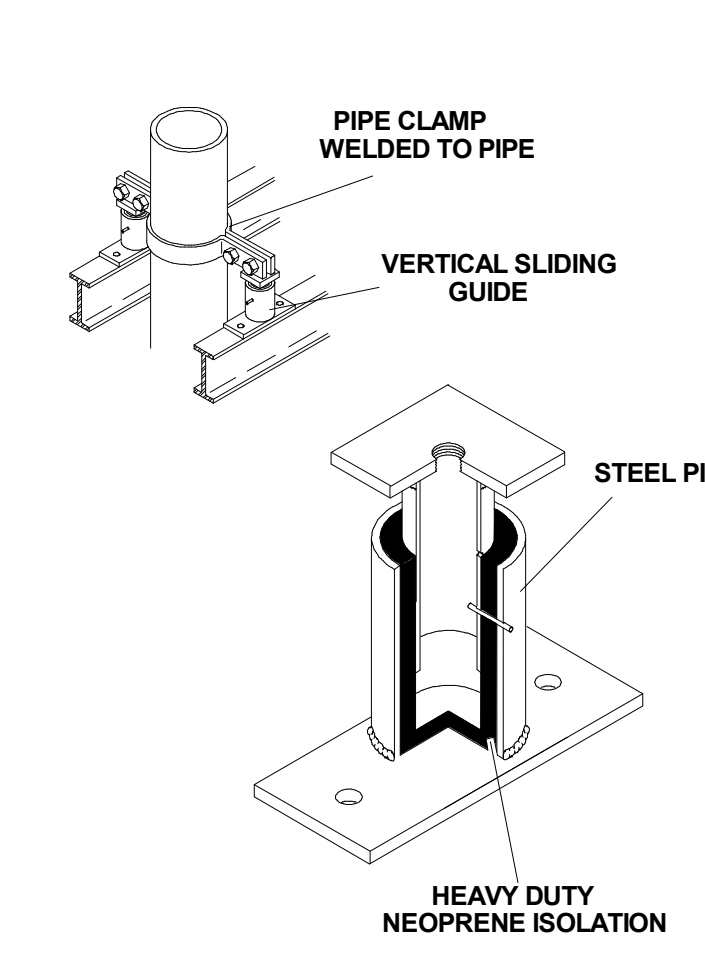
SFDEJ MOLDED EXPANSION JOINT
SPECIFICATION 23



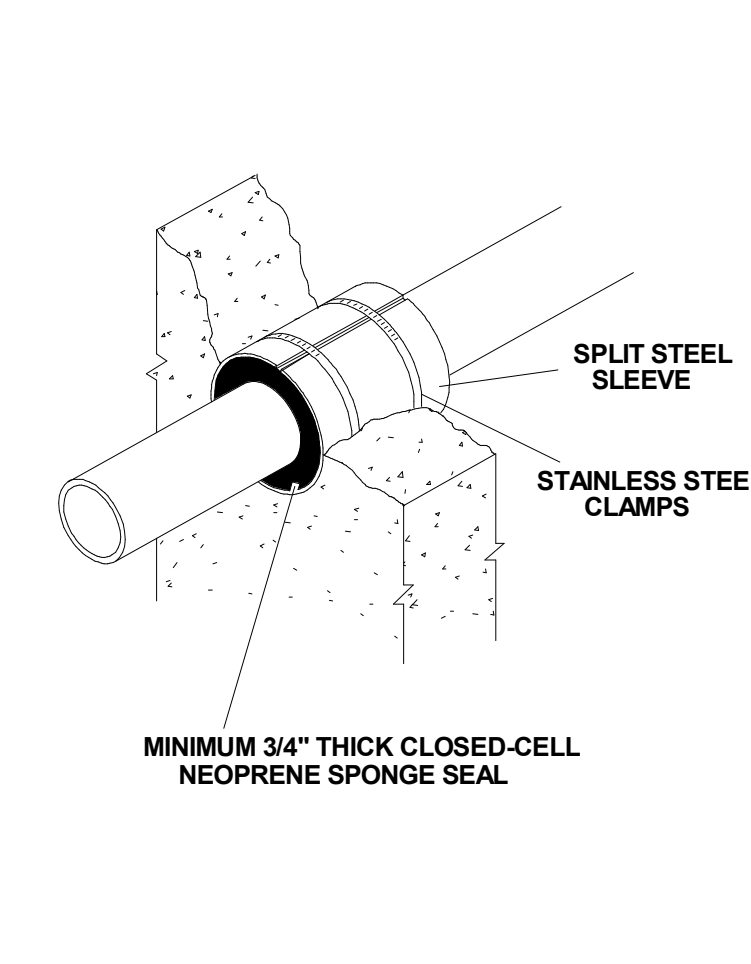
BSS STAINLESS STEEL HOSE
SPECIFICATION 24



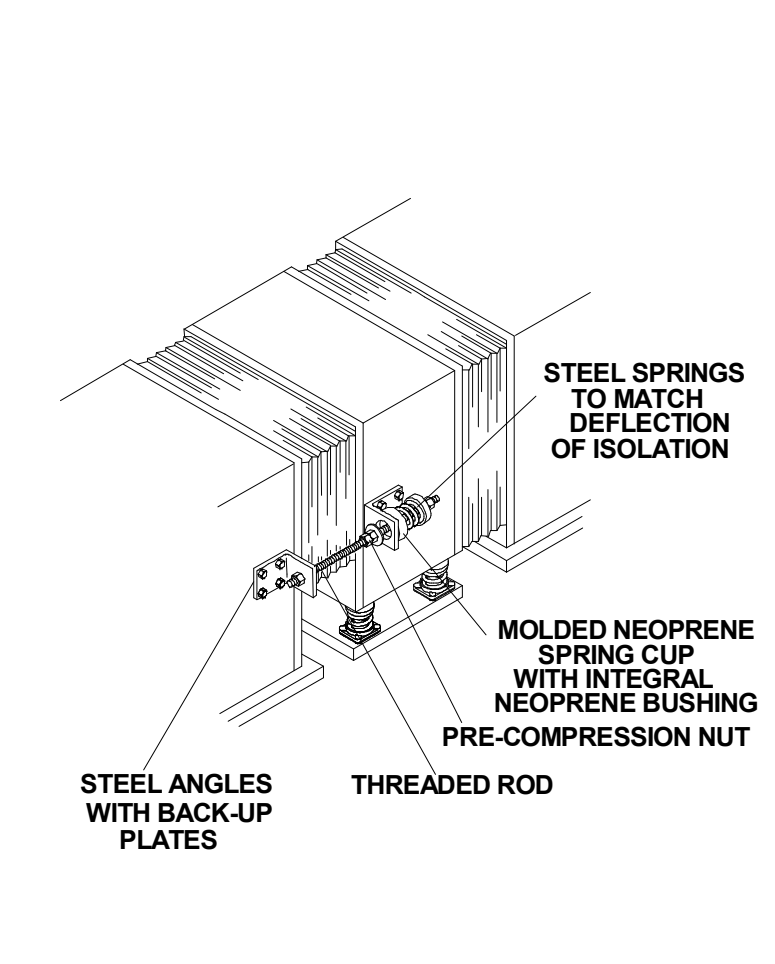
ADA ALL DIRECTIONAL ANCHOR
SPECIFICATION 25



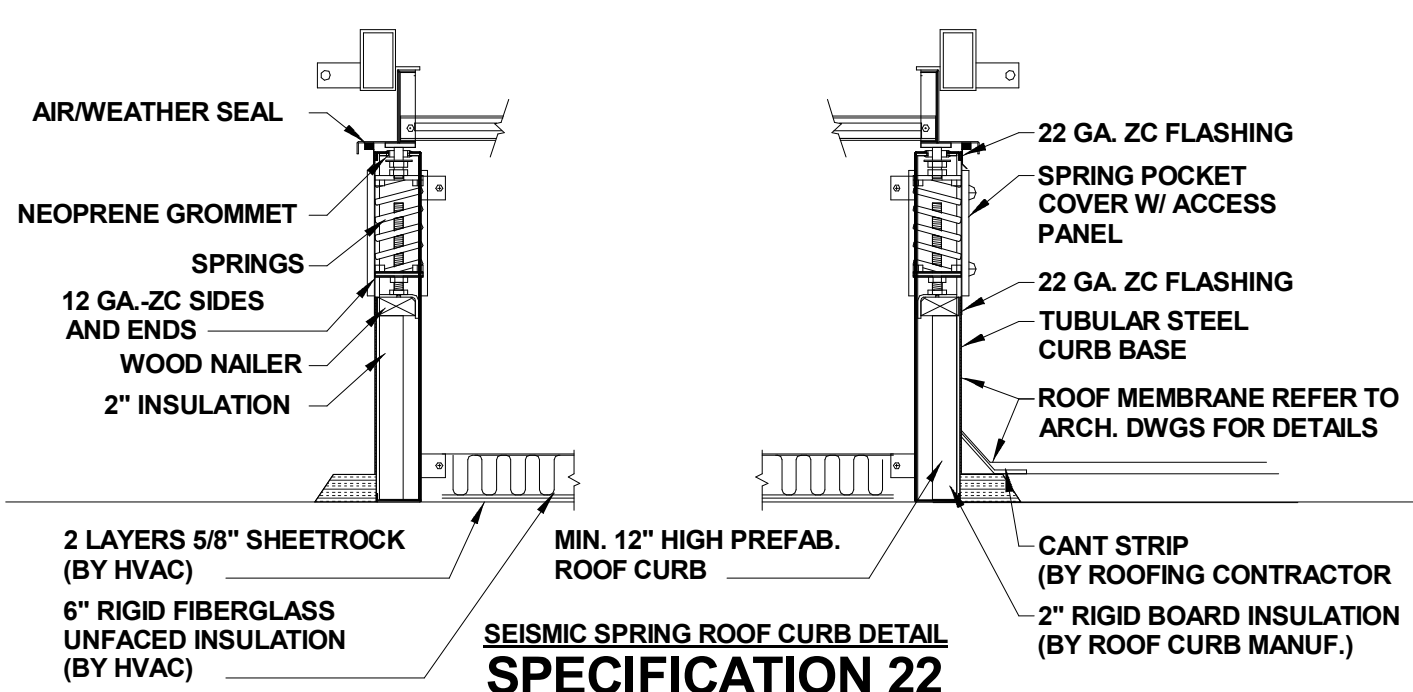
VSG VERTICAL SLIDING GUIDES
SPECIFICATION 26



SWS ACOUSTICAL WALL OR FLOOR SEAL
SPECIFICATION 27



WB HORIZONTAL THRUST RESTRAINTS USED IN PAIRS
SPECIFICATION 28



SEISMIC SPRING ROOF CURB DETAIL
SPECIFICATION 22

SPECIFICATION NUMBERS INDICATED CORRESPOND WITH THE SPECIFICATION NUMBERS INDICATED IN PARAGRAPH 2.2 OF SPECIFICATION SECTION 230548.



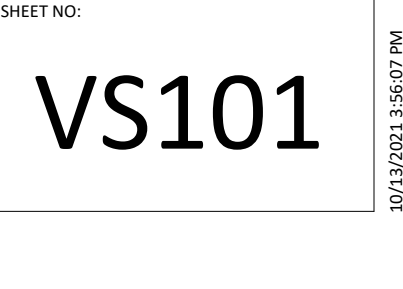
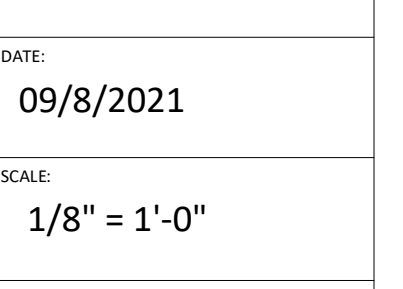
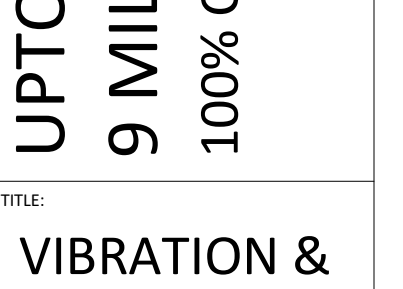
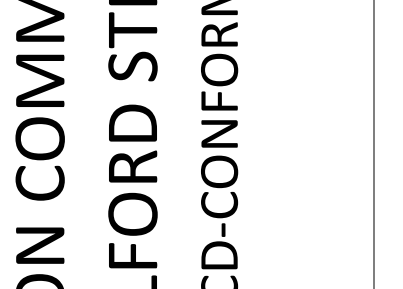
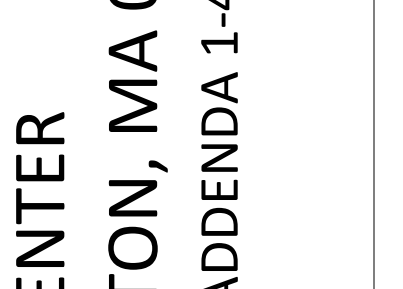
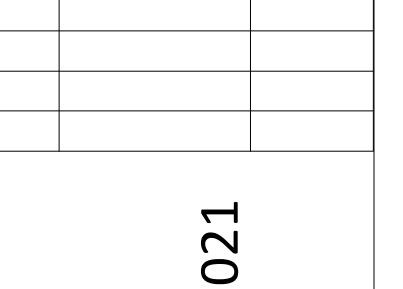
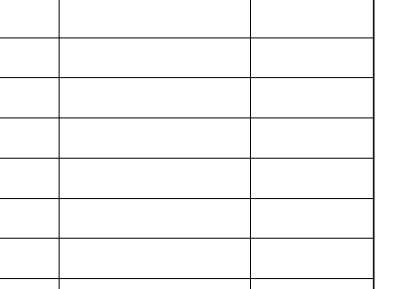
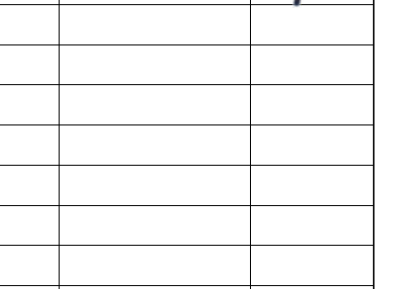
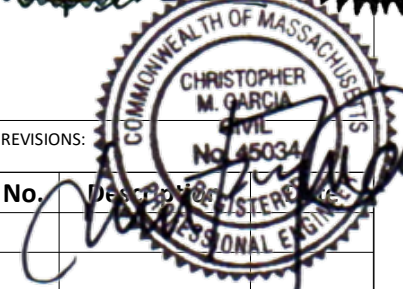
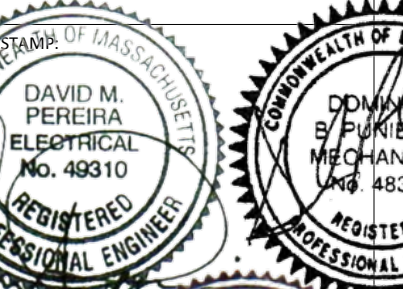
Turowski2 Architecture

P.O. Box 1290
313 Wareham Road
Marion, MA 02738

508.758.9777 phone
508.748.2444 fax

www.t2architecture.com
CONSULTANT

GARCIA-GALUSKA-DESOUZA
CONSULTING ENGINEERS INC.



UPTON COMMUNITY CENTER
9 MILFORD STREET, UPTON, MA 01568
100% CD-COMFORMANCE SET ADDENDA 1-4 INCORPORATED 10/6/2021

VIBRATION & SEISMIC DETAILS

JOB NUMBER: 20-05
DRAWN BY: TRB
CHECKED BY: DBP
DATE: 09/8/2021
SCALE: 1/8" = 1'-0"
SHEET NO.

VS101



Turowski2 Architecture

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CONSULTING ENGINEERS
180 Franklin Street, Suite 200, Boston, MA 02110
Tel: 617-552-1100 Fax: 617-552-1101

PROFESSIONAL ENGINEER

DAVID M. PEREIRA
ELECTRICAL
No. 49310

REVISIONS:

Table with 3 columns: No., Description, Date. Row 1: 1, Addendum #02, 09/27/21

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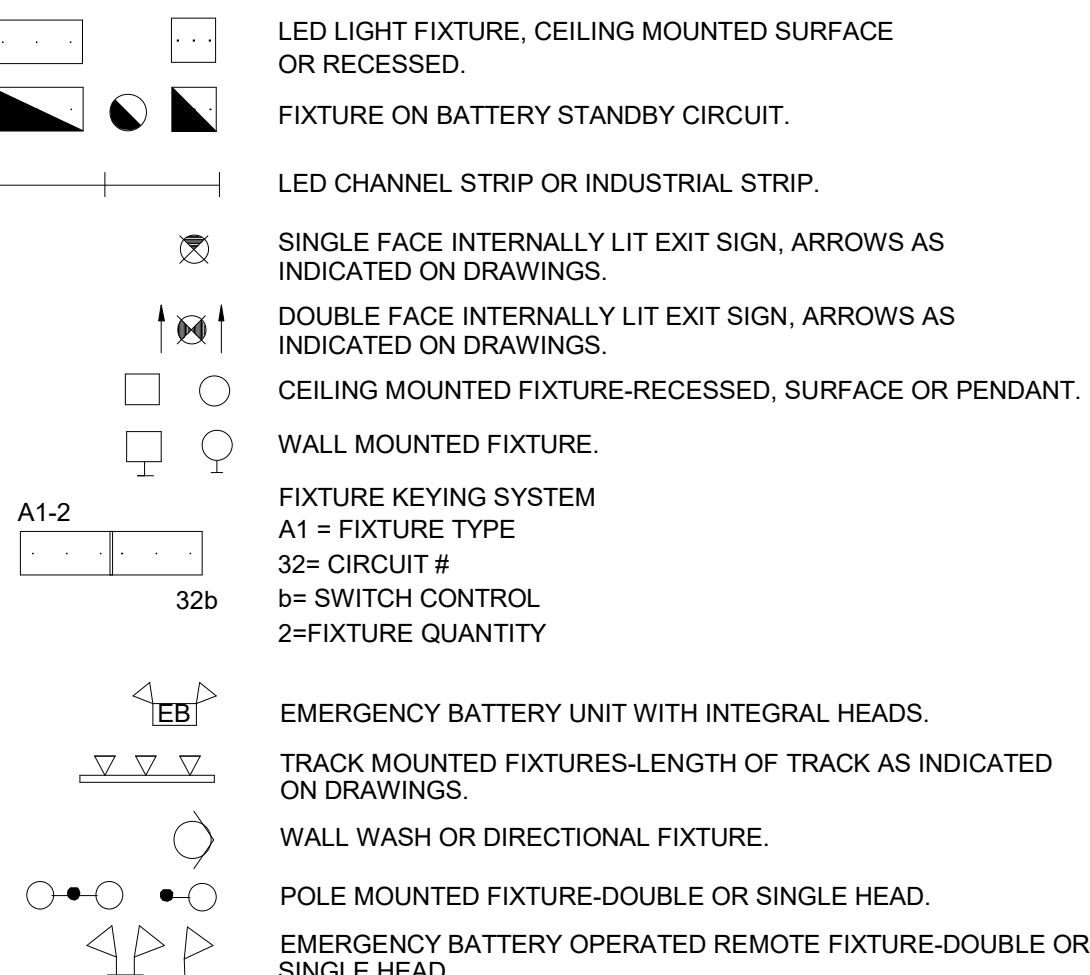
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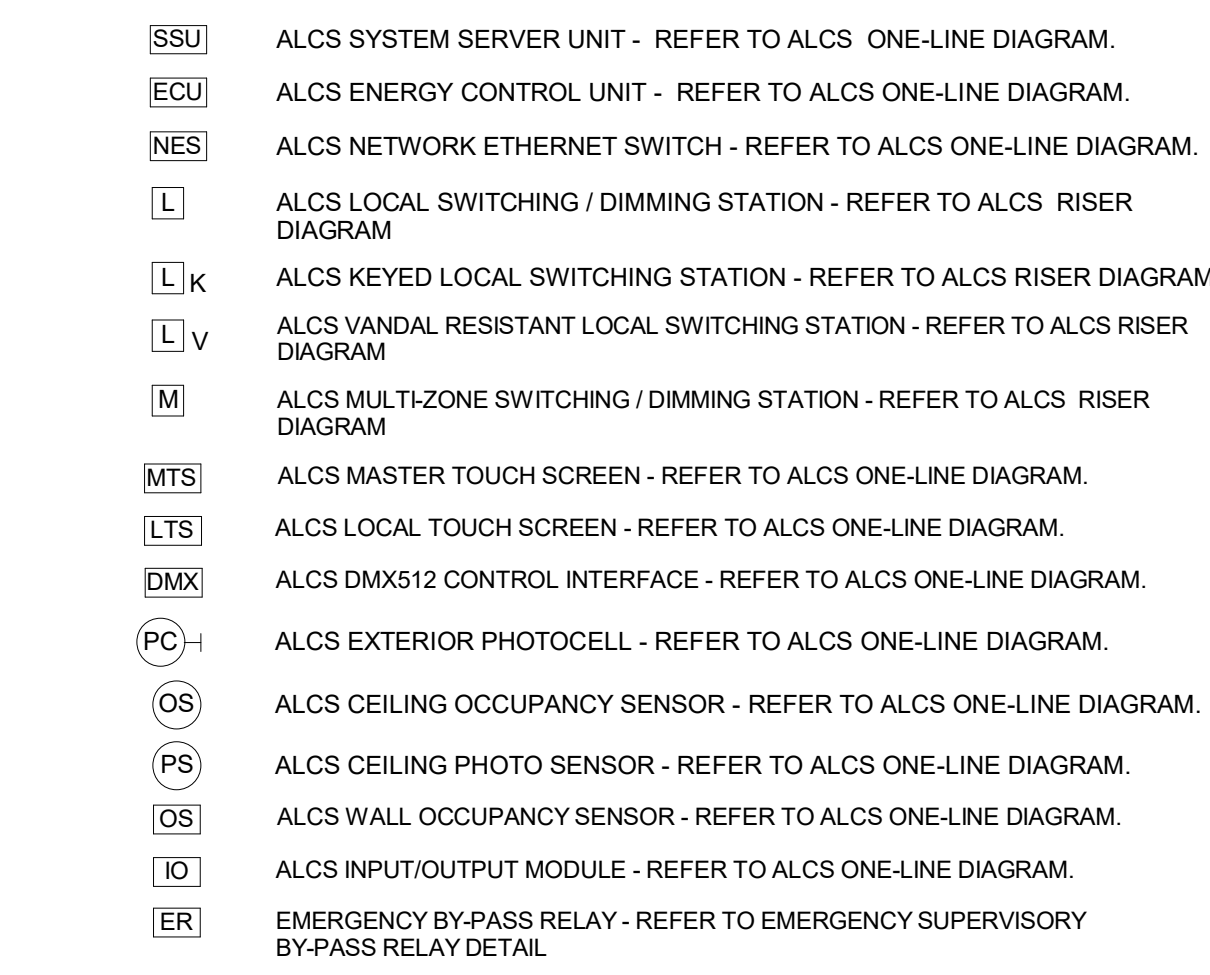
SYMBOL LIST

LEGEND NOTES: THIS SHEET IS A GENERAL LIST OF SYMBOLS AND ABBREVIATIONS AND SHALL BE USED AS A DICTIONARY TO DEFINE ITEMS INDICATED ON DRAWINGS. NOT ALL SYMBOLS OR ABBREVIATIONS ARE NECESSARILY USED ON THIS PROJECT. ALL EQUIPMENT IS TO BE PROVIDED UNDER THIS SECTION UNLESS SPECIFICALLY INDICATED OTHERWISE.

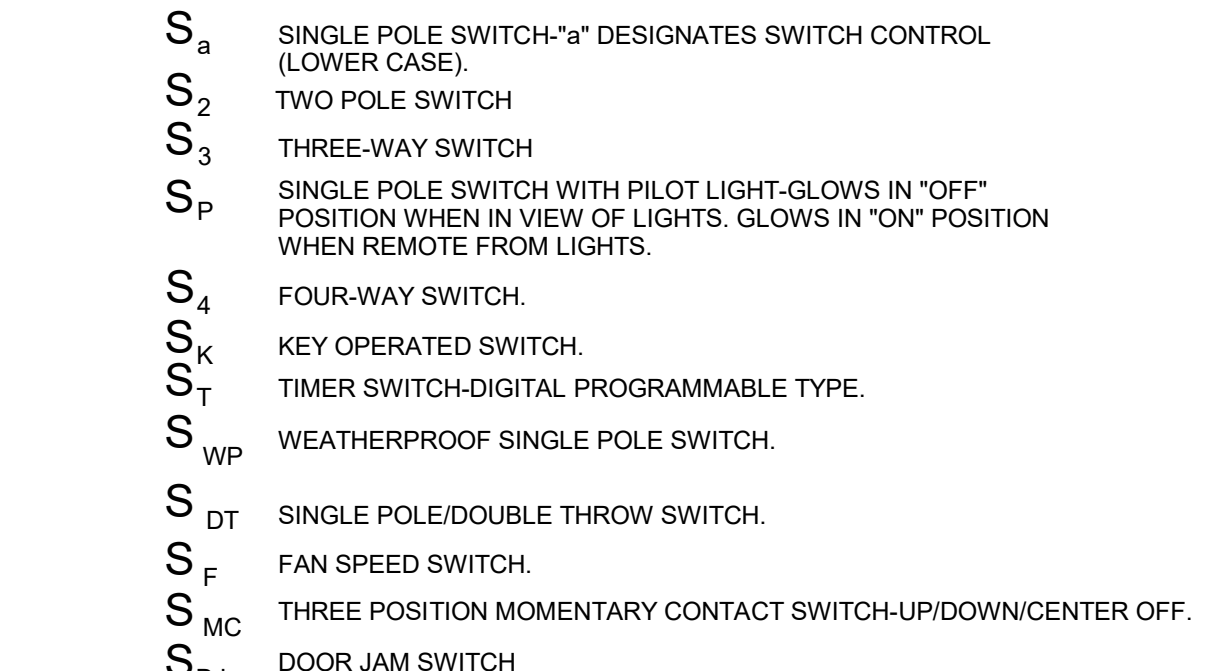
LIGHTING FIXTURES (see lighting fixture schedule)



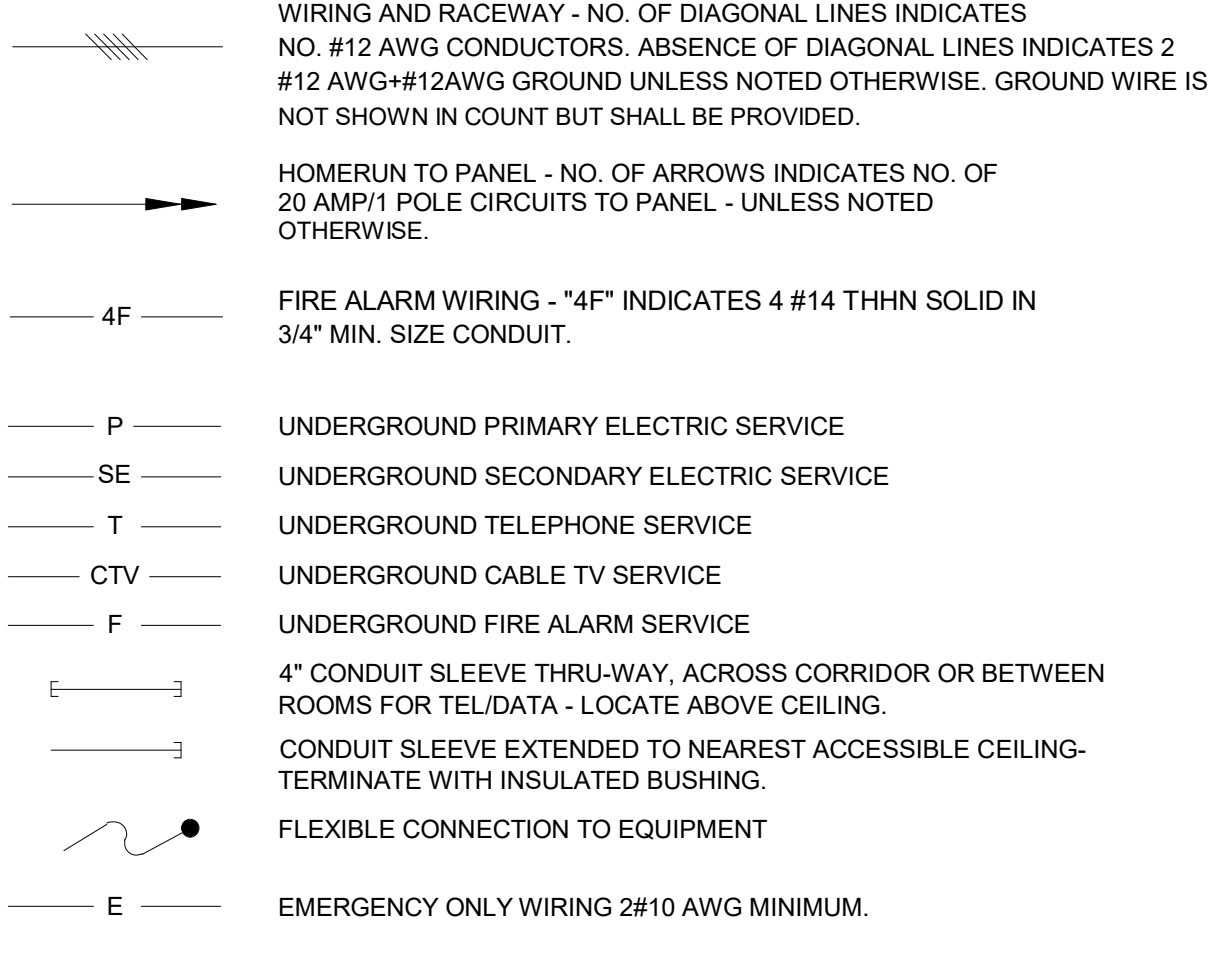
LIGHTING CONTROLS



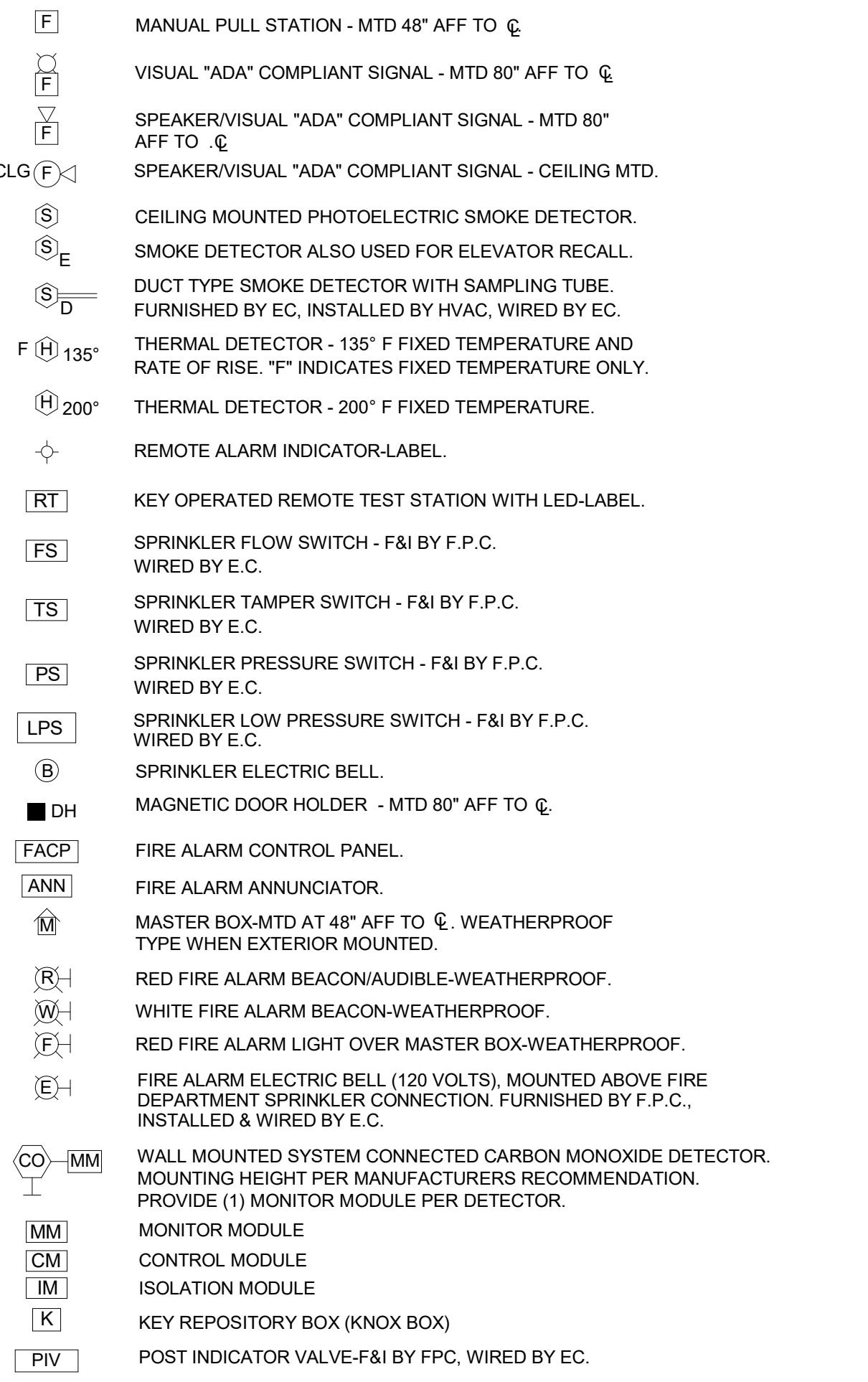
SWITCHES (typically mtd 48" AFF or u.n.o.)



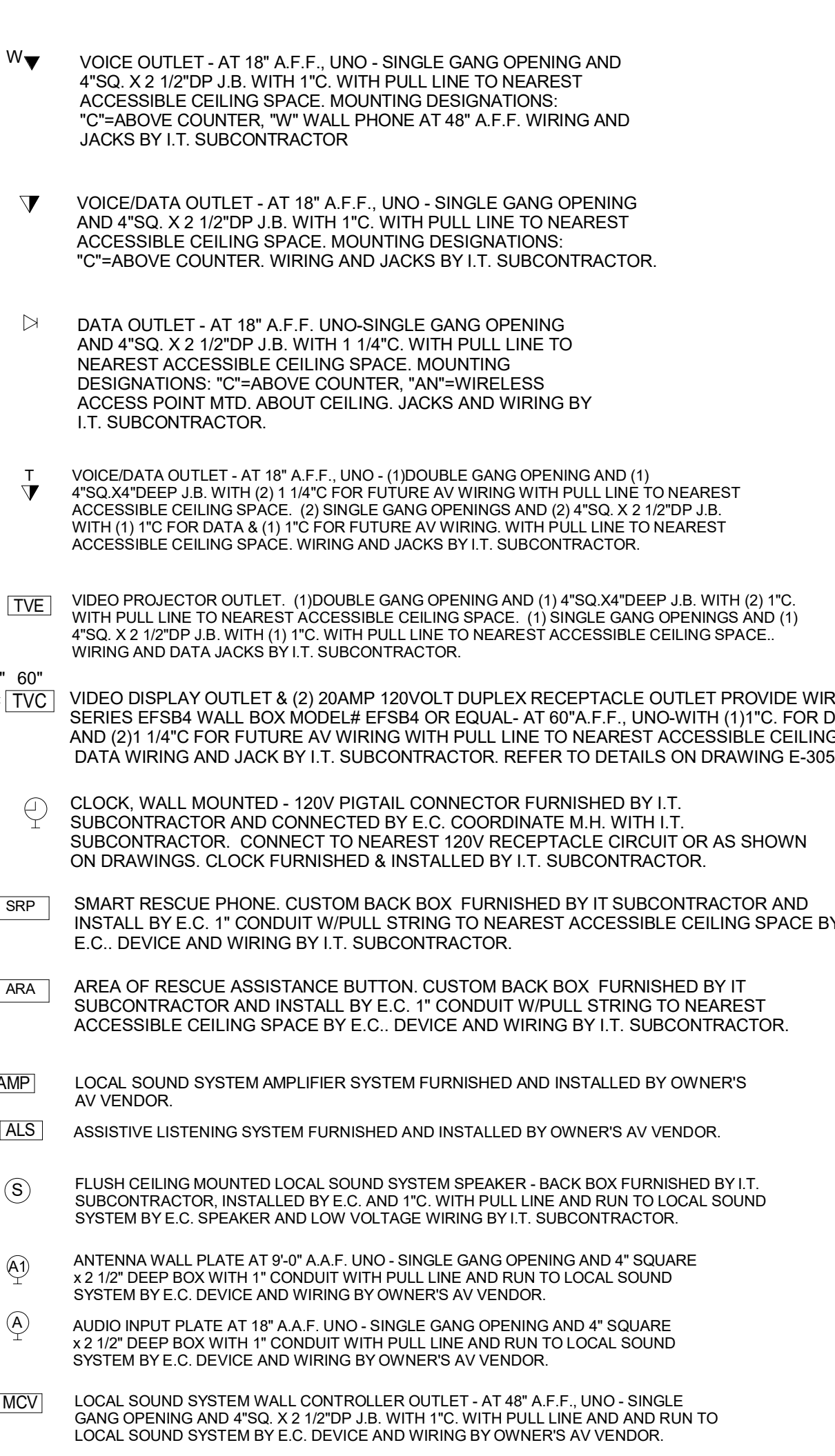
WIRE AND RACEWAYS



FIRE ALARM SYSTEM



TELECOMMUNICATIONS & VIDEO



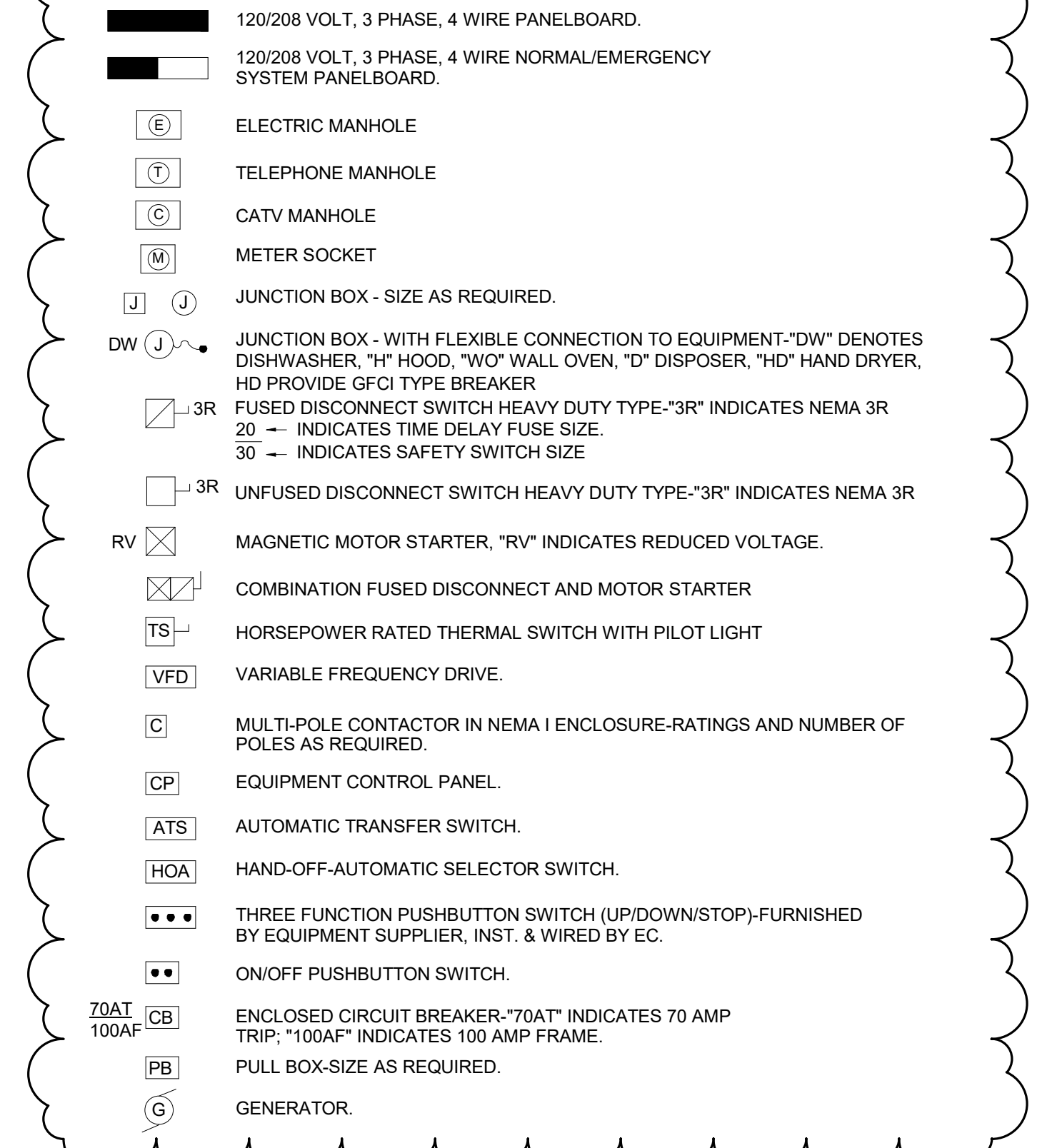
SECURITY SYSTEM

REFER TO DWG. E5.0 FOR SECURITY SYMBOL LIST

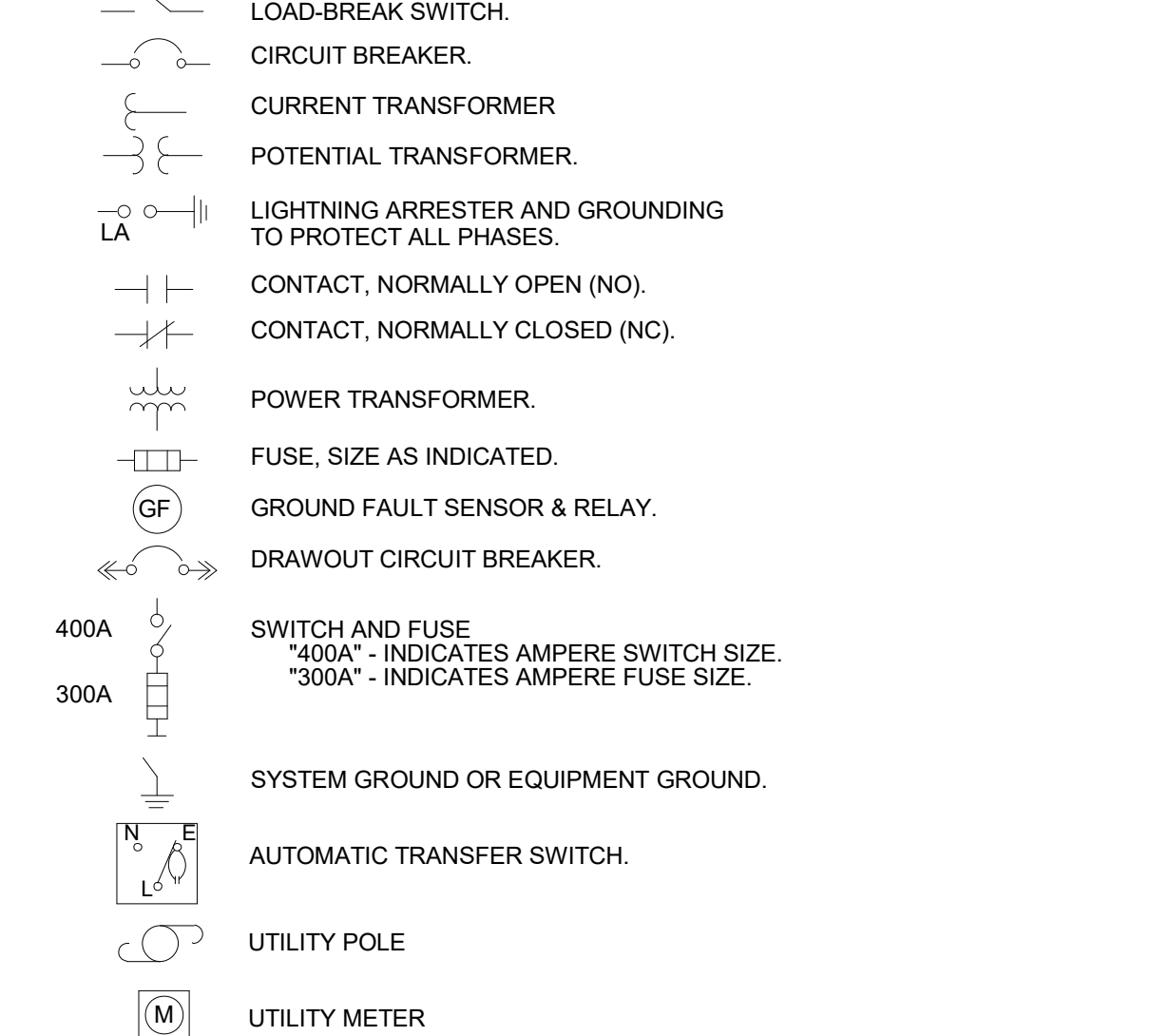
RECEPTACLES (typically mtd. at 18" a.f.f., uno)



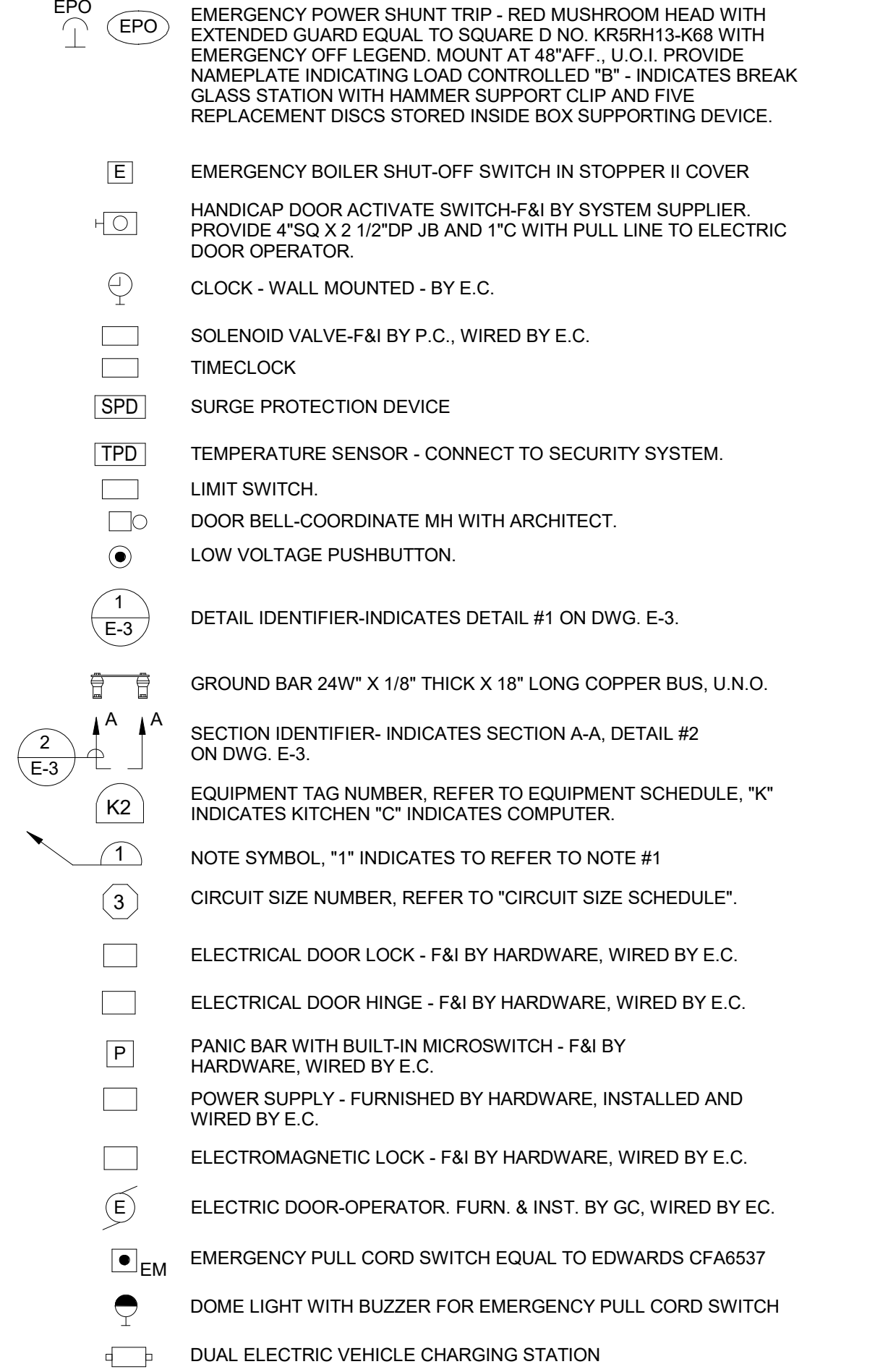
POWER



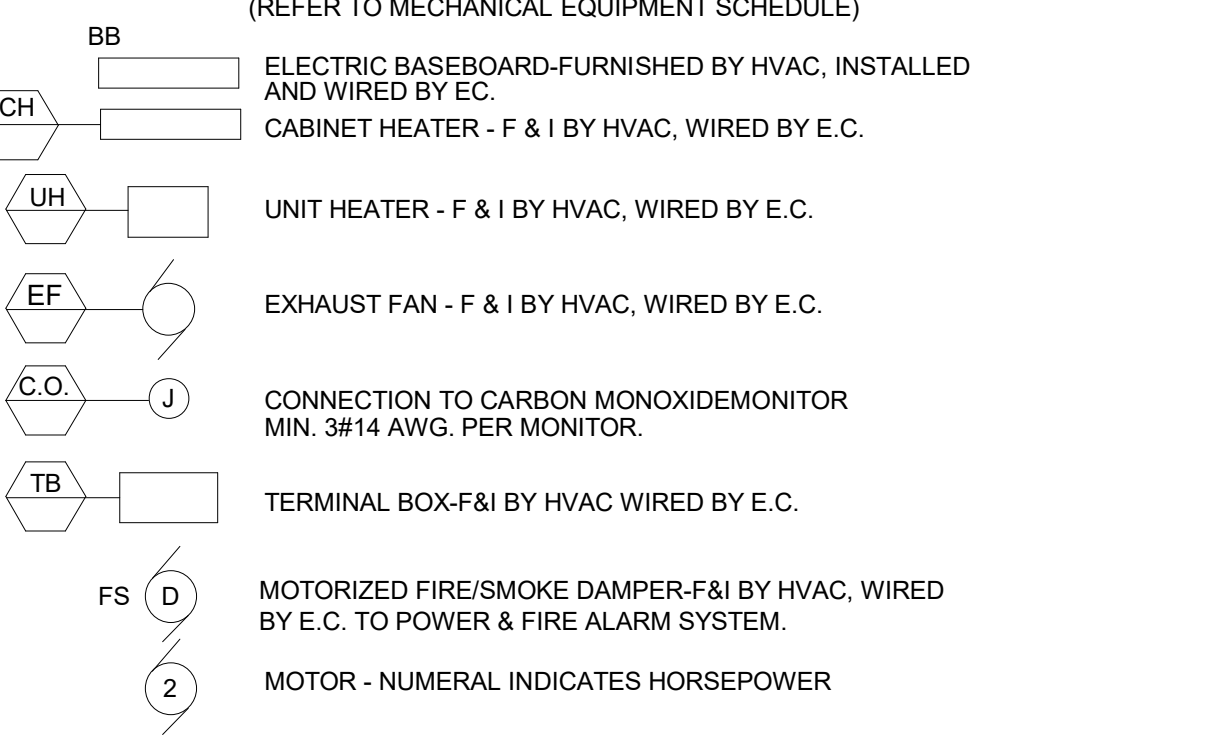
ONE LINE POWER



MISCELLANEOUS DEVICES

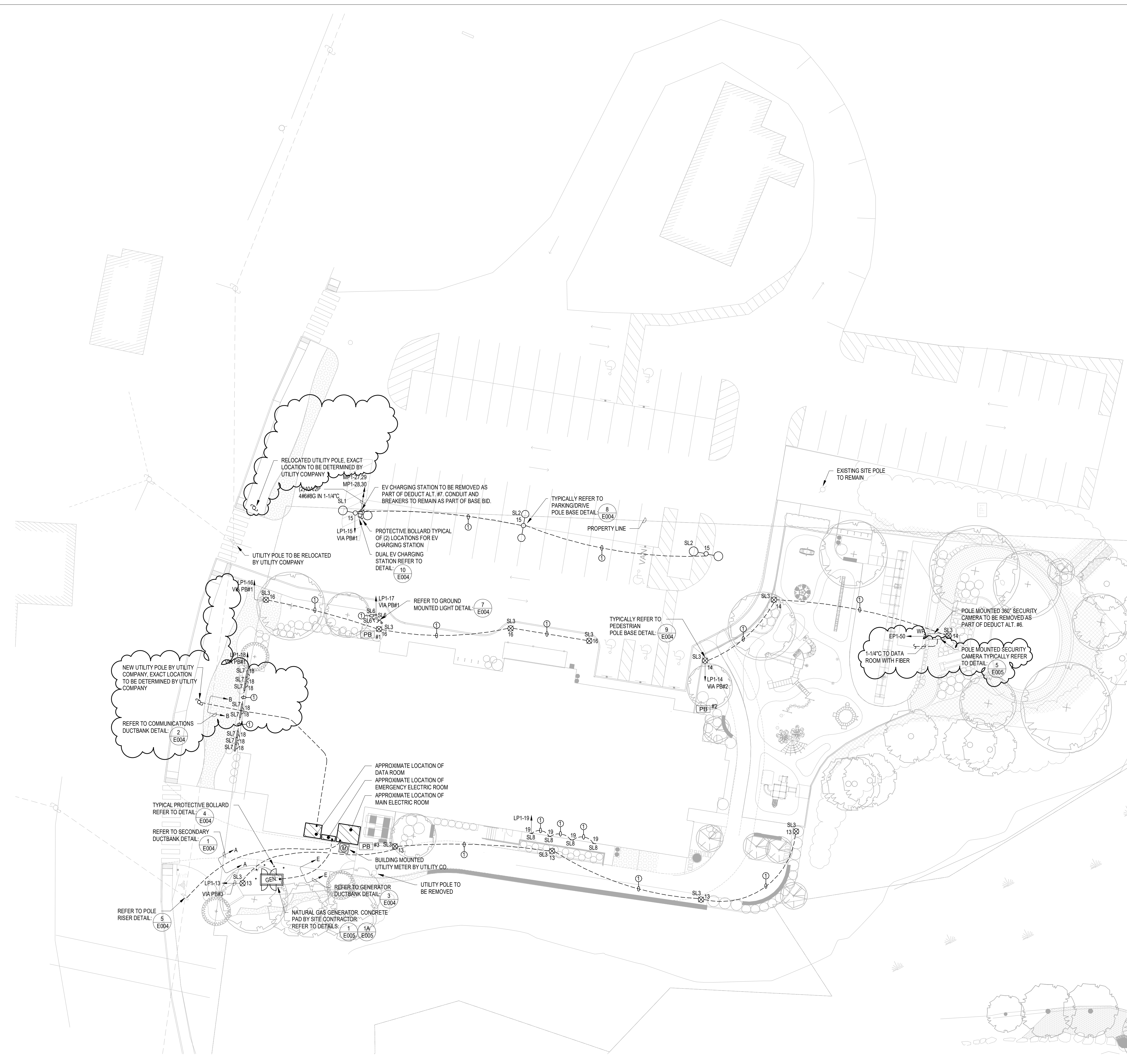


MECHANICAL EQUIPMENT



UPTON COMMUNITY CENTER
9 MILFORD STREET, UPTON, MA 01568
100% CD-COMFORMANCE SET ADDENDA 1-4 INCORPORATED 10/6/2021

Table with 2 columns: TITLE, ELECTRICAL SYMBOL LIST; JOB NUMBER; DRAWN BY, JGD; CHECKED BY, DMP; DATE, 09/08/2021; SCALE; SHEET NO., E001



- ELECTRICAL SITE NOTES:**
- DO NOT RUN ANY UNDERGROUND RACEWAYS WITHIN PLANTING AREAS OR LEACHING FIELDS. REFER TO DRAWINGS FOR LOCATIONS. COORDINATE ROUTING WITH LANDSCAPE ARCHITECT.
 - REFER TO CIVIL DRAWINGS FOR EXACT ROUTING OF UTILITIES. REFER TO LANDSCAPE DRAWINGS FOR EXACT LOCATION OF "SITE" FIXTURES.
 - ALL SITE WIRING SHALL BE 2#8 & #10G IN 1" C MINIMUM UNLESS SHOWN OTHERWISE.
 - ALL EXTERIOR LIGHTING TO BE PROGRAMMED FOR PHOTOCELL "ON", "TIMED OFF" AND DIMMED LEVELS VIA (0-10V SIGNAL). PROVIDE INDIVIDUAL CONTROL FOR EACH CIRCUIT. COORDINATE PROGRAMMING WITH OWNER. (REFER TO ALC'S ONE-LINE DIAGRAM & SPECIFICATIONS).
 - REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF EXTERIOR WALL MOUNTED LIGHTING.
 - REMOVE ALL SITE FIXTURES WITH NO WORK REQUIRED.
 - PROVIDE 17X30X12" GROUND MOUNTED PULL BOX (QUAZITE #PC1730BA12 WITH #PC11730CAT7 COVER OR SAME BY CARSON, HIGHLINE, STRONGWELL, OR EQUAL) AT ALL POLES WITH THREE PAIRS OF 1" CONDUITS APPROACHING BASE TO ALLOW FOR SINGLE PAIR TO ENTER BASE.
 - PROVIDE 12X12X12" GROUND MOUNTED PULL BOX (QUAZITE #PC1212BS12 WITH #PC1212HS20 COVER OR SAME BY CARSON, HIGHLINE, STRONGWELL, OR EQUAL) AT ALL POLES WITH THREE PAIRS OF 1" CONDUITS APPROACHING BASE TO ALLOW FOR SINGLE PAIR TO ENTER BASE.

SITE WIRING LEGEND:

① 2#8, 1#8G IN 1", 24" BELOW GRADE

1 ELECTRICAL SITE PLAN
E003 SCALE: 1" = 20'-0"

Turowski2 Architecture
P.O. Box 1290
313 Wareham Road
Marion, MA 02738
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CONSULTANT:

GARCIA-GALUSKA-DESOUZA
CONSULTING ENGINEER REG.
189 Franklin Street, Boston, MA 02110
TEL: 617.552.4600 FAX: 617.552.4601

STAMP:

DAVID M. PEREIRA
ELECTRICAL
No. 49310
STATE OF MASSACHUSETTS
PROFESSIONAL ENGINEER

REVISIONS:

No.	Description	Date
1	Addendum #02	09/27/21

UPTON COMMUNITY CENTER
9 MILFORD STREET, UPTON, MA 01568
100% CD-COMFORMANCE SET ADDENDA 1-4 INCORPORATED 10/6/2021

TITLE:
ELECTRICAL SITE PLAN

JOB NUMBER:

DRAWN BY:
JGD

CHECKED BY:
DMP

DATE:
09/08/2021

SCALE:
As indicated

SHEET NO:
E003

09/08/2021 10:59:17 AM