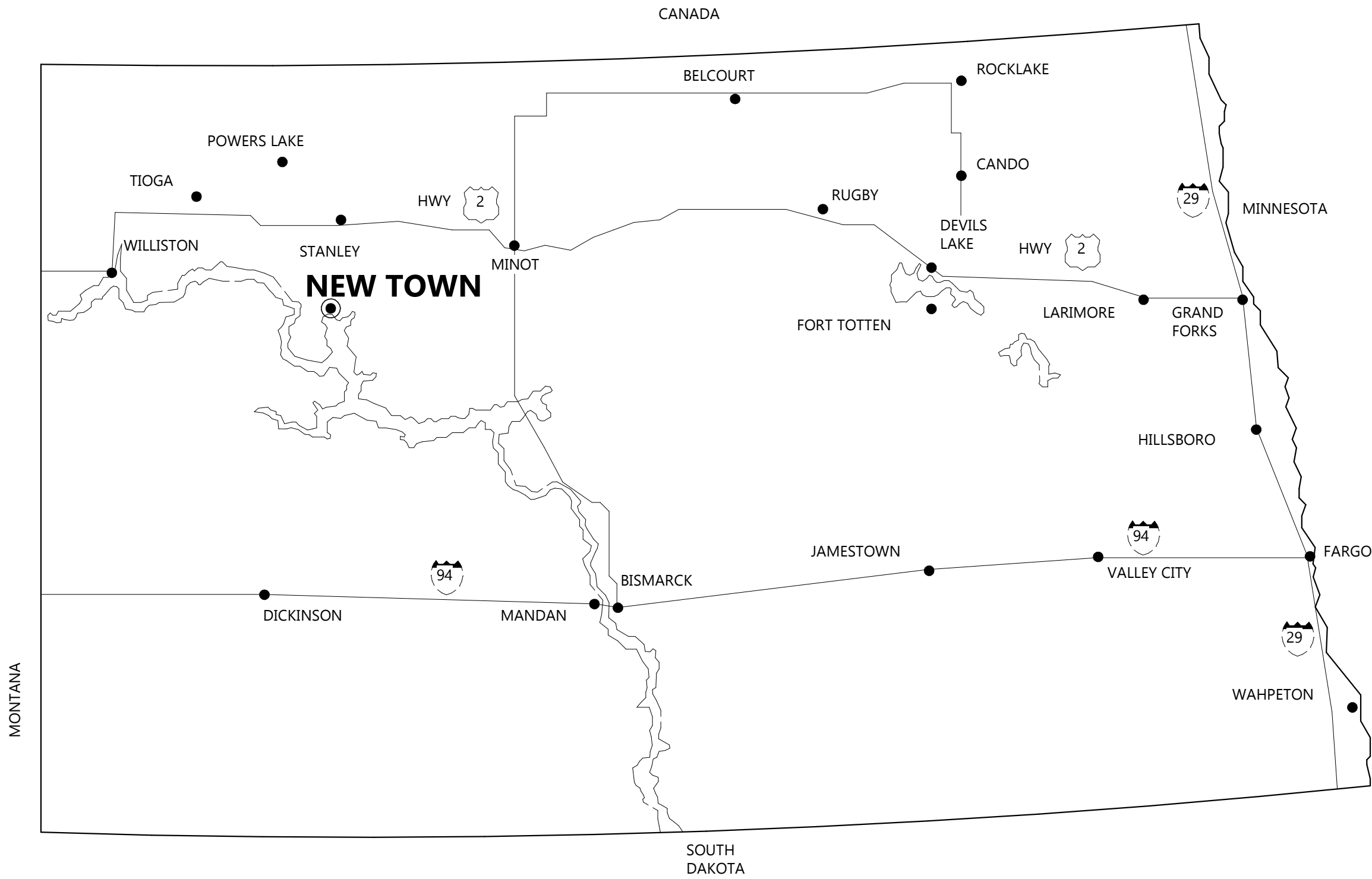


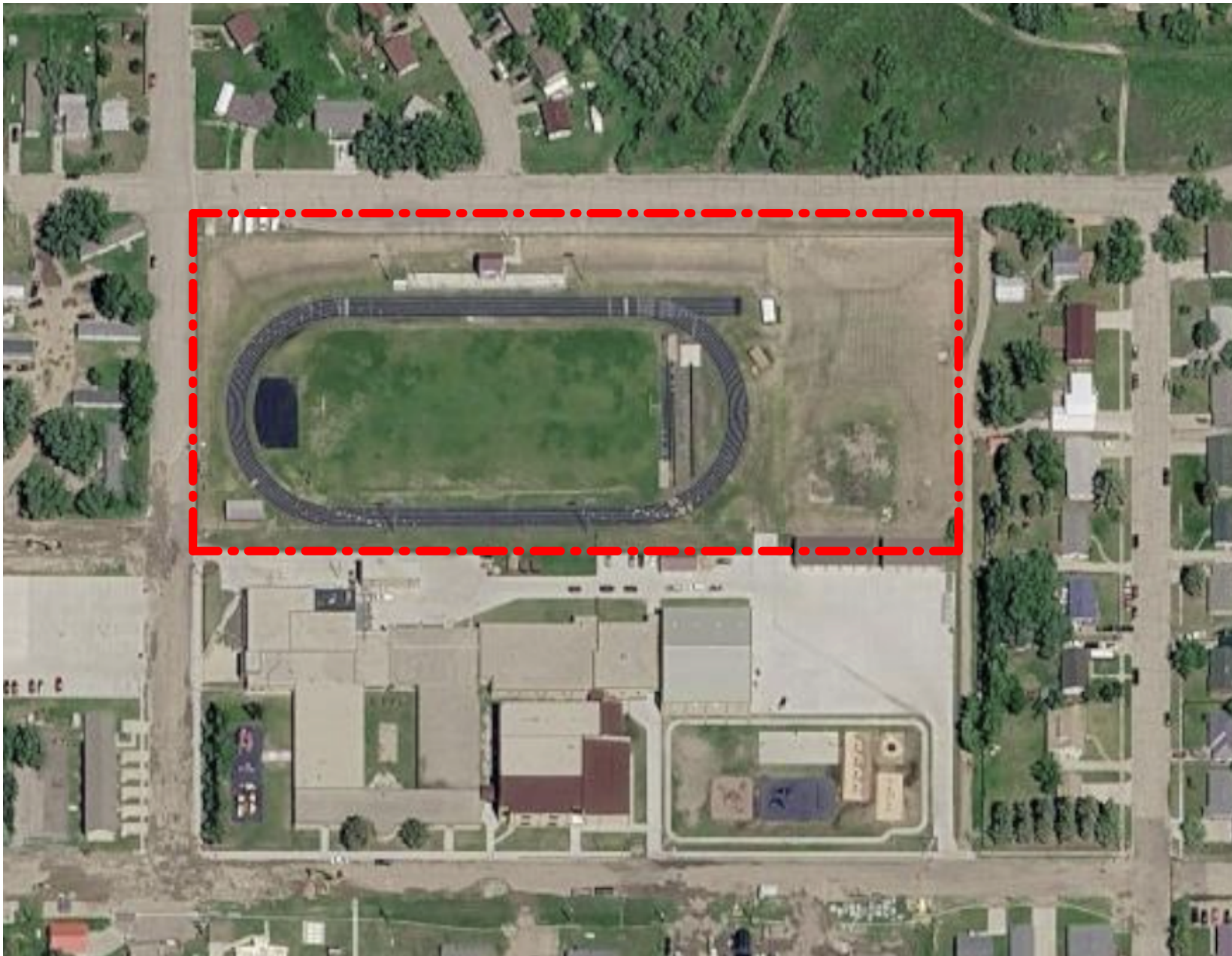
NEW TOWN GRANDSTANDS

206 2ND AVE E
NEW TOWN, ND 58763

STATE MAP



LOCATION





EAPC

Architecture

Engineering

Interior Design

Industrial

TELEPHONE701.258.3116

116 W. Main Ave., Suite A, Bismarck ND 58501

www.eapc.net

CONSULTANTS

CLIENT
NEW TOWN SCHOOL DISTRICT

PROJECT DESCRIPTION
NEW TOWN GRANDSTANDS

CITYNEW TOWN
STATEND

ISSUE DATES

CD	CONSTRUCTION DOCUMENTS	08/17/2026
MARK	DESCRIPTION	DATE

PROJECT NO: 20263400
DRAWN BY: MGB
CHECKED BY: PAB

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DRAWING TITLE
COVER SHEET

G001

GENERAL

G001 COVER SHEET
G101 LIFE SAFETY PLANS

CIVIL

C100 COVER SHEET
C200 GENERAL NOTES & LEGEND
C300 SURVEY OVERLAY & DEMOLITION PLAN
C400 OVERALL SITE PLAN
C500 UTILITY PLAN
C600 GRADING PLAN
C701 EROSION & SEDIMENT CONTROL PLAN
C702 SWPPP NARRATIVE
C703 SWPPP NOTES AND DETAILS
C800 DETAILS
C900 DETAILS

STRUCTURAL

S001 STRUCTURAL GENERAL NOTES
S002 STRUCTURAL LOADS, MATERIAL NOTE TABLES AND SPECIAL INSPECTION TABLES
S003 STRUCTURAL LEGENDS, AND ABBREVIATIONS
S201 LOWER LEVEL FOUNDATION/SLAB PLAN
S202 MAIN LEVEL FRAMING PLAN
S203 PRESS BOX FLOOR FRAMING PLAN
S204 ROOF FRAMING PLAN
S401 FRAMING ELEVATIONS
S601 FOUNDATION DETAILS
S602 FOUNDATION DETAILS
S701 FRAMING DETAILS

ARCHITECTURAL

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A002 MOUNTING HEIGHT DIAGRAMS
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A021 WALL, FLOOR AND ROOF TYPES
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A301 REFLECTED CEILING PLANS
A401 BUILDING ELEVATIONS - OVERALL
A402 BUILDING ELEVATIONS
A403 ENLARGED BUILDING ELEVATIONS & SIGNAGE, PERFORATED WALL DETAILS
A421 BUILDING SECTIONS
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A501 ENLARGED FLOOR PLANS & INTERIOR ELEVATIONS
A502 ENLARGED FLOOR PLANS & INTERIOR ELEVATIONS
A521 STAIR PLANS AND SECTIONS, DETAILS
A601 DETAILS
A721 MILLWORK SECTIONS, DETAILS
A801 DOOR SCHEDULE, DOOR AND WINDOW ELEVATIONS
A901 FINISH PLAN
A902 FINISH PLAN
A903 FINISH PLAN
A921 INTERIOR FINISH DETAILS & MATERIAL IDENTIFICATION CODES

PLUMBING & MECHANICAL

PM01 MECHANICAL SYMBOLS & LEGEND SHEET

PLUMBING

P200 UNDERGROUND PLUMBING PLAN
P201 LOWER LEVEL PLUMBING PLANS
P202 MAIN FLOOR PLUMBING PLANS
P203 PRESS BOX & ROOF PLUMBING PLANS
P501 WASTE & VENT RISER DIAGRAM
P502 DOMESTIC WATER RISER DIAGRAM
P601 PLUMBING DETAILS
P801 PLUMBING SCHEDULES

MECHANICAL

M301 LOWER LEVEL MECHANICAL PLAN
M302 MAIN LEVEL MECHANICAL PLAN
M303 PRESS BOX MECHANICAL PLAN
M801 MECHANICAL SCHEDULES

ELECTRICAL

E001 ELECTRICAL SYMBOLS & ABBREVIATIONS LEGEND
E100 ELECTRICAL EXISTING SITE PLAN
E101 ELECTRICAL REVISED SITE PLAN
E201 LOWER, MAIN & PRESS BOX POWER PLANS
E301 LOWER, MAIN & PRESS BOX LIGHTING PLAN
E302 LOWER, MAIN & PRESS BOX LIGHTING ELEVATIONS
E401 LOWER, MAIN & PRESS BOX SYSTEM PLANS
E501 LOWER, MAIN & PRESS BOX FIRE ALARM PLAN
E801 ONE-LINE DIAGRAM & MOTOR AND EQUIPMENT RISER
E802 LIGHTING SCHEDULES & DETAILS
E803 DETAILS, SCHEDULES & RISER DIAGRAMS
E901 PANEL SCHEDULES

CONTACTS

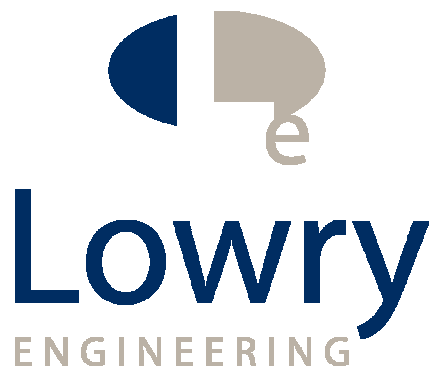


ARCHITECT
Paul Breiner
paul.breiner@eapc.net
(701) 224-7316
116 W. Main Ave, Suite A
Bismarck, ND 58501

STRUCTURAL ENGINEER
Jeremy Dahmen
jeremy.dahmen@eapc.net
(612) 552-4626
539 Bielenberg Drive, Suite 115
St. Paul, MN 55125

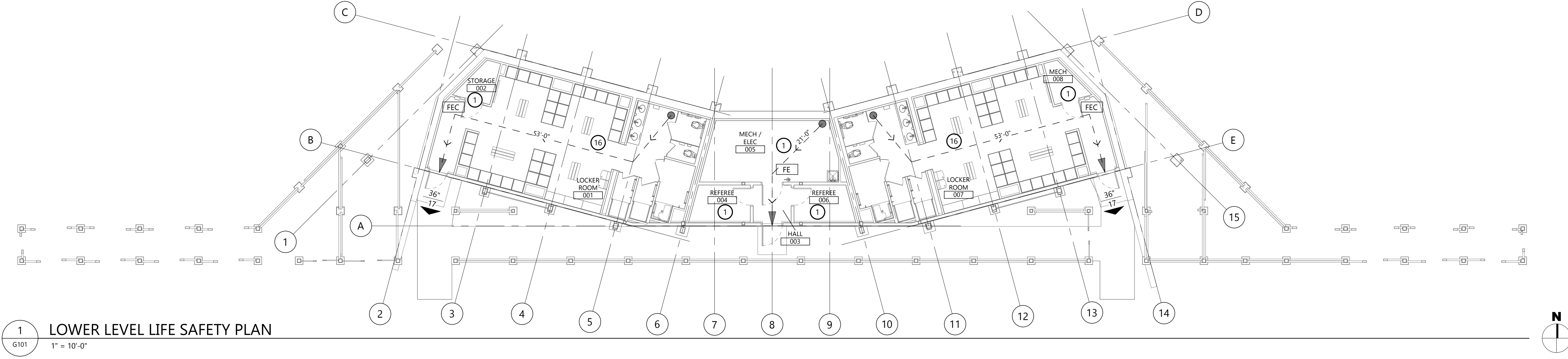
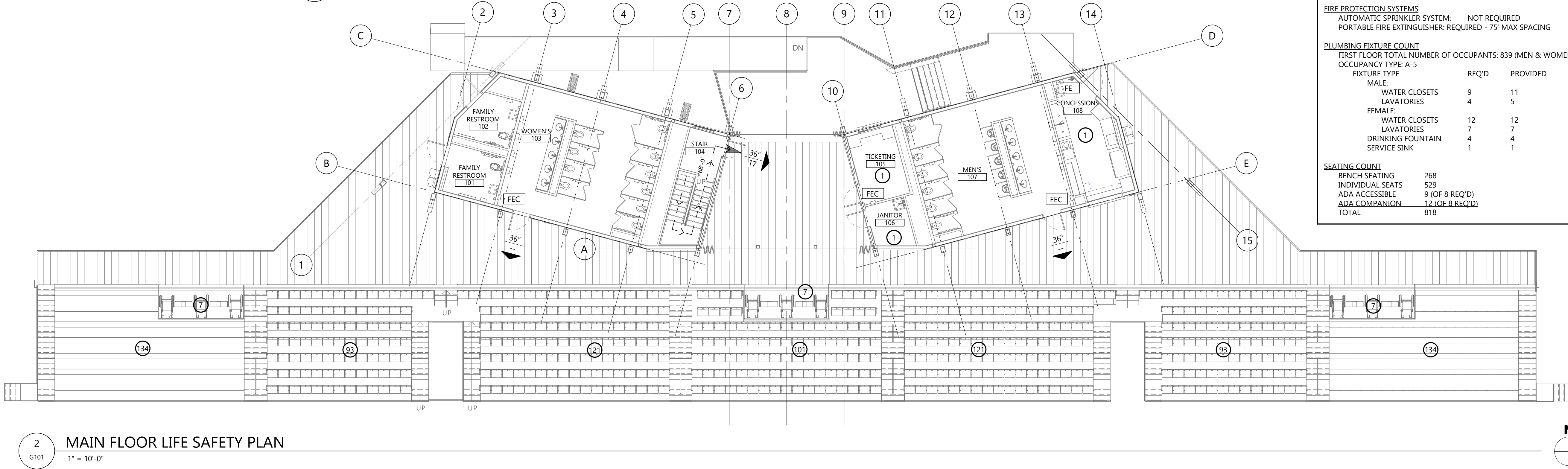
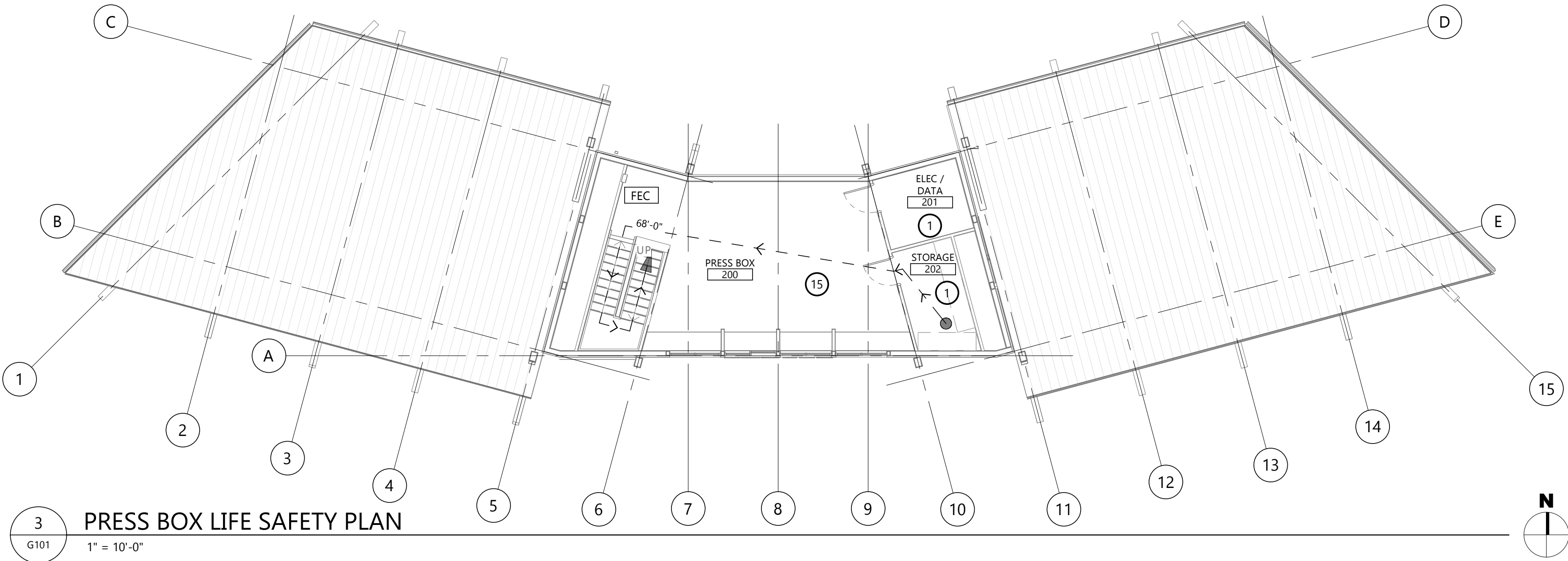
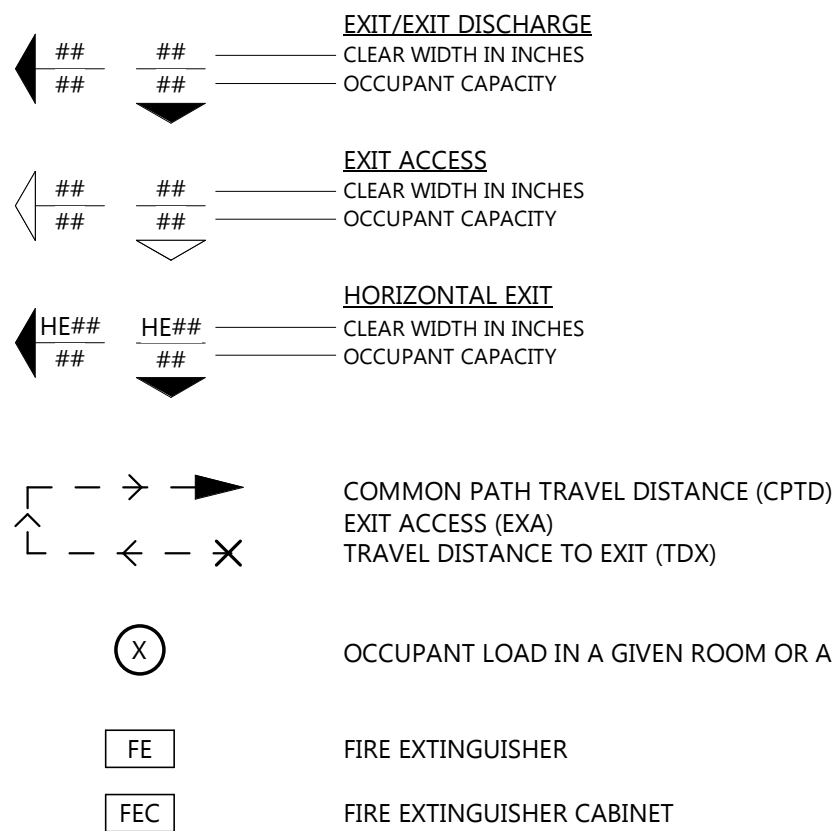
ELECTRICAL ENGINEER
Brian Wentland
brian.wentland@eapc.net
(701) 461-7484
112 N Roberts St, Suite 109
Fargo, ND 58102

MECHANICAL ENGINEER
Tyler Coulombe
Tyler.Coulombe@eapc.net
(701) 461-7446
112 N Roberts St, Suite 109
Fargo, ND 58102



CIVIL ENGINEER
Hanna Boese
hboese@lowryeng.com
(701) 235-0199
2718 Gateway Ave, Suite 302
Bismarck, ND 58503

LIFE SAFETY LEGEND



CODE ANALYSIS

BUILDING DESCRIPTION		
THREE-STORY, 2,736 SF GRANDSTANDS WITH PRESS BOX, LOCKER ROOMS, RESTROOMS, CONCESSIONS AND TICKETING.		
REFERENCE CODES		
BUILDING CODE: 2024 (IBC)	ENERGY CODE: 2024 (IECC)	
FIRE CODE: 2024 (IFC)	PLUMBING CODE: 2021 (UPC) W/ STATE AMENDMENTS	
MECHANICAL CODE: 2024 (IMC)	ELECTRICAL CODE: 2023 (NEC)	
	W/ 2020 WIRING STANDARDS OF NORTH DAKOTA	
ACCESSIBILITY CODE: (ICC) A 117.1 2019 STANDARDS AND COMMENTARY		
ACCESSIBLE BUILDING AND FACILITIES		
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN		
OCCUPANCY		
OUTDOOR ASSEMBLY (A-5)		SECT. 303.6
EGRESS		
OCCUPANT LOAD: 818 + 57		
MEANS OF EGRESS SIZING		IBC 1005.3.2
SPACES WITH ONE EXIT:		TABLE 1006.2.1
GROUP A MAX OCCUPANT LOAD: 49		
EXITS REQUIRED: 2		IBC 1006.3.3
EXITS PROVIDED: 5		
DOOR SIZING REQUIRED		IBC 1010.1.1
32" MINIMUM CLEAR WIDTH		
TRAVEL DISTANCES - SEE PLAN FOR LOCATIONS/PATHS		
COMMON PATH: MAX. = 75'-0"		TABLE 1006.2.1
ACTUAL = 68'-0"		
EXIT ACCESS: MAX. = 250'-0"		TABLE 1017.2
ACTUAL = 68'-0"		
CONSTRUCTION TYPE		
TYPE VB - NO FIRE-RESISTANCE REQUIRED		TABLE 601
BUILDING AREA - SECTION 506		
ALLOWABLE BUILDING HEIGHT ABOVE GRADE PLANE:	40'-0"	TABLE 504.3
ACTUAL:	31'-8"	
ALLOWABLE NUMBER OF STORIES ABOVE GRADE PLANE:	UL	TABLE 504.4
ACTUAL:	3	
ALLOWABLE AREA FACTOR IN SF:	A5 = UL SF	TABLE 506.2
ACTUAL:	2,736 SF	
FIRE PROTECTION SYSTEMS		
AUTOMATIC SPRINKLER SYSTEM:	NOT REQUIRED	903.2.1.5
PORTABLE FIRE EXTINGUISHER: REQUIRED - 75' MAX SPACING		TABLE 906.3(1)
PLUMBING FIXTURE COUNT		
FIRST FLOOR TOTAL NUMBER OF OCCUPANTS: 839 (MEN & WOMEN)		
OCCUPANCY TYPE: A-5		
FIXTURE TYPE	REQ'D	PROVIDED
MALE:		
WATER CLOSETS	9	11
LAVATORIES	4	5
FEMALE:		
WATER CLOSETS	12	12
LAVATORIES	7	7
DRINKING FOUNTAIN	4	4
SERVICE SINK	1	1
SEATING COUNT		
BENCH SEATING	268	
INDIVIDUAL SEATS	529	
ADA ACCESSIBLE	9 (OF 8 REQ'D)	
ADA COMPANION	12 (OF 8 REQ'D)	
TOTAL	818	



Architecture
 Interior Design

Engineering
 Industrial

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CONSULTANTS

CLIENT
 NEW TOWN SCHOOL DISTRICT

PROJECT DESCRIPTION
 NEW TOWN GRANDSTANDS

CITY NEW TOWN
 STATE ND

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STAMP
 I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Architect under the laws of the State of North Dakota.
 Signature: *[Signature]*
 Date: 08/17/2026 REG. NO.: 2002

DRAWING TITLE
 LIFE SAFETY PLANS

G101

NEW TOWN PUBLIC SCHOOLS GRANDSTAND

206 2ND AVE E
NEW TOWN, ND 58763

OWNER'S REPRESENTATIVE
EAPC ARCHITECTS/ENGINEERS
PAUL BREINER, AIA
3100 DEMERS AVENUE
GRAND FORKS, ND 58201
PH: 701-258-3116
EMAIL: PAUL.BREINER@EAPC.NET

CIVIL ENGINEER
LOWRY ENGINEERING
HANNA BOESE, P.E.
2718 GATEWAY AVENUE, SUITE 302
BISMARCK, ND 58503
PH: 701-235-0199
EMAIL: HBOESE@LOWRYENG.COM



Architecture	Engineering
Interior Design	Industrial

TELEPHONE **701.258.3116**

116 W. Main Ave., Suite A, Bismarck ND 58501

www.eapc.net

CONSULTANTS



LOWRY
ENGINEERING

2718 GATEWAY AVENUE, SUITE 302
BISMARCK, NORTH DAKOTA 58503

CLIENT
NEW TOWN SCHOOL DISTRICT

PROJECT DESCRIPTION
NEW TOWN GRANDSTANDS

CITY NEW TOWN
STATE ND

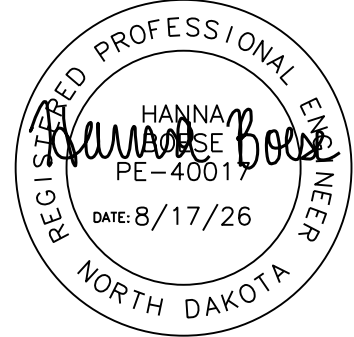
ISSUE DATES

CD	CONSTRUCTION DOCUMENTS	08/17/2026
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PROJECT NO: 20263400
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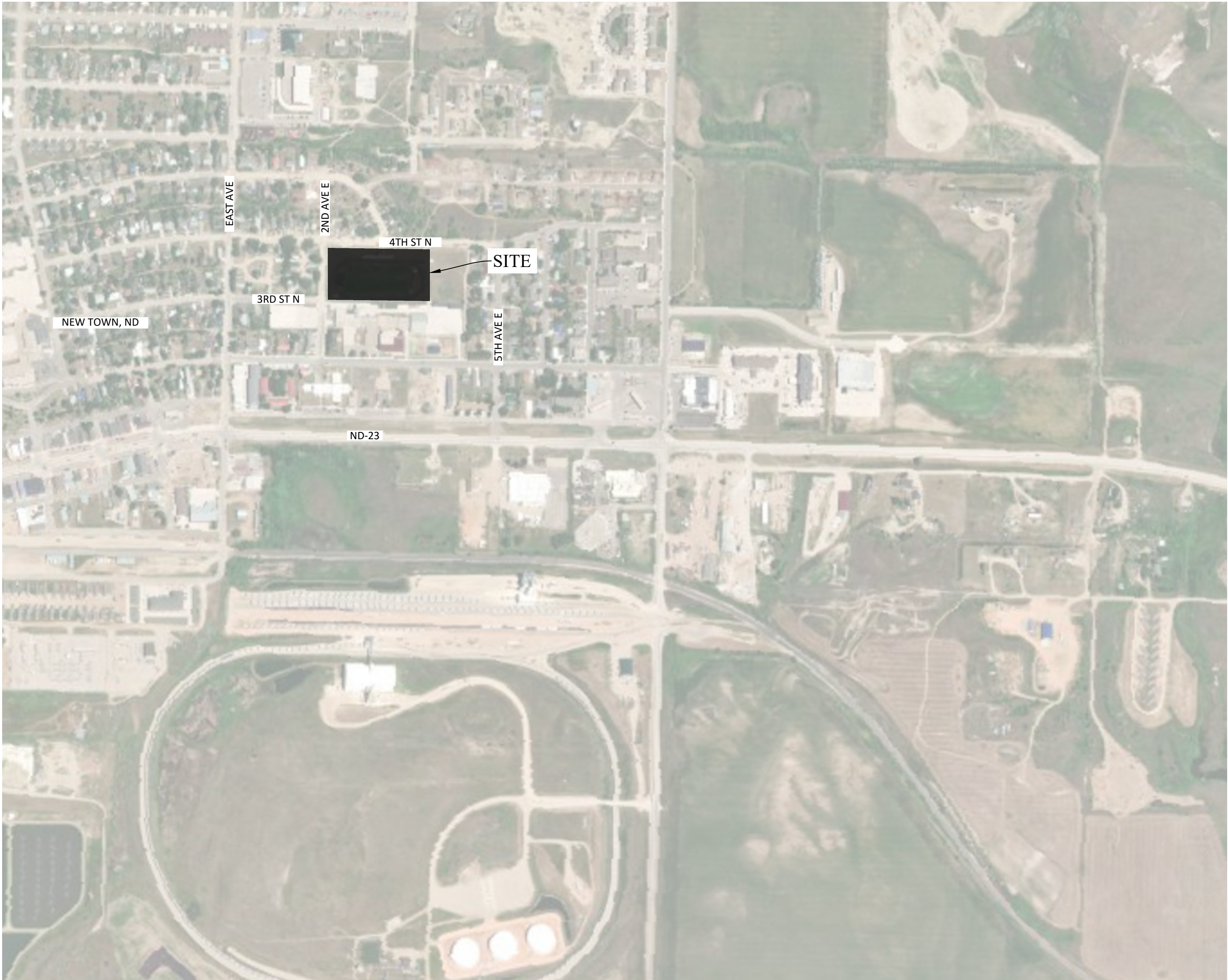


DRAWING TITLE
COVER SHEET

C100

SITE INFORMATION	
PARKING	
STALL TYPE	NUMBER
ADA STALLS	2
TOTAL PROVIDED	2
ZONING INFORMATION	
CURRENT ZONE:	RESIDENTIAL
BUILDING SETBACKS	
FRONT YARD	25'
INTERIOR SIDE YARD	10'
STREET SIDE YARD	10'
REAR YARD	10'
SURVEY INFORMATION	
SURVEYOR	NESET LAND SURVEYS
DATE OF SURVEY	5/27/2026
COORDINATE SYSTEM	ND STATE PLANE-NORTH ZONE
DRAWING UNITS	INTERNATIONAL FEET
VERTICAL DATUM	NAVD 88
BASIS OF BEARING	ND STATE PLANE-NORTH ZONE

VICINITY MAP



BENCHMARK 1:
THE TOP-NUT OF THE EXISTING HYDRANT LOCATED NORTH OF THE EXISTING GRANDSTANDS NEAR THE INTERSECTION OF 4TH ST N AND RAINBOW DRIVE.
TOP-NUT ELEVATION: 1942.25 (NAVD 88)

BENCHMARK 2:
THE TOP-NUT OF THE EXISTING HYDRANT LOCATED NORTHWEST OF THE SITE NEAR THE INTERSECTION OF 4TH ST N AND 2ND AVE E
TOP-NUT ELEVATION: 1940.48 (NAVD 88)

BENCHMARK 3:
THE TOP-NUT OF THE EXISTING HYDRANT LOCATED SOUTHWEST OF THE SITE NEAR THE INTERSECTION OF 3RD ST N AND 2ND AVE E
TOP-NUT ELEVATION: 1925.73 (NAVD 88)

NOTE: CONTRACTOR SHALL CHECK IN ON 3 BENCHMARKS AND/OR HAVE SURVEYOR SET LOCAL CONTROL PRIOR TO CONSTRUCTION.





LOWRY
ENGINEERING

2718 GATEWAY AVENUE - SUITE 302
BISMARCK, NORTH DAKOTA 58503
PROJECT NO. 26008.03

CALL BEFORE YOU DIG
NORTH DAKOTA
UTILITIES UNDERGROUND LOCATION SERVICE
1-800-795-0555

- GENERAL NOTES:
1. SHOULD THE CONTRACTOR FIND ANY DISCREPANCIES ON THE DRAWINGS, OR IN THE FIELD PRIOR TO BEGINNING WORK OR DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER & ENGINEER.
 2. A COMPLETE SET OF APPROVED DRAWINGS MUST BE MAINTAINED ON SITE AT ALL TIMES BY THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS.
 3. CHANGES TO APPROVED PLANS SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF THE OWNER AND ENGINEER.
 4. CHANGES TO APPROVED PLANS ON PUBLIC PROPERTY SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL FROM THE RESPECTIVE PUBLIC ENTITY.
 5. ALL SITE AND RIGHT-OF-WAY CONSTRUCTION SHALL MEET CITY OF MINOT STANDARD SPECIFICATIONS LATEST REVISION. IN THE CASE OF A DISCREPANCY BETWEEN THE PLANS AND SPECIFICATIONS, THE PLANS SHALL GOVERN.
 6. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING & VERIFYING ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION & IS RESPONSIBLE FOR ANY DAMAGE TO THEM DURING CONSTRUCTION. CONTRACTOR SHALL CONTACT THE LOCAL ONE-CALL SYSTEM AT LEAST 72 HOURS PRIOR TO BEGINNING CONSTRUCTION.
 7. ANY WORK ON EXISTING CITY OWNED UTILITIES SHALL REQUIRE NOTIFICATION TO THE CITY OF NEW TOWN. BY THE CONTRACTOR 24 HOURS PRIOR TO COMMENCING WORK.
 8. THE CONTRACTOR SHALL COMPLY WITH ALL RULES & REGULATIONS OF FEDERAL, STATE, COUNTY, & LOCAL AUTHORITIES.
 9. THE CONTRACTOR IS REQUIRED TO MEET ALL APPLICABLE FEDERAL, OSHA, STATE, AND LOCAL REGULATIONS CONCERNING PROJECT SAFETY AND ASSUMES FULL RESPONSIBILITY FOR SAFETY ON THE PROJECT.
 10. CONTRACTOR SHALL VERIFY THAT ALL NECESSARY PERMITS FOR CONSTRUCTION HAVE BEEN OBTAINED, ALL BONDS ARE POSTED, ALL FEES ARE PAID AND PROOF OF INSURANCE IS PROVIDED PRIOR TO THE START OF THE PROJECT.
 11. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL HORIZONTAL AND VERTICAL CONTROLS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SURVEY AND RELATED COSTS.
 12. CONTRACTOR SHALL BE RESPONSIBLE FOR HIS/HER OWN MEASUREMENTS AND QUANTITIES. ENGINEER QUANTITIES ARE ESTIMATES ONLY.
 13. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING INSTALLATION OF UNDERGROUND UTILITIES BY THE APPROPRIATE UTILITY ENTITY. PROPER COORDINATION WITH THE RESPECTIVE UTILITY ENTITIES SHALL BE PERFORMED BY THE CONTRACTOR TO INSURE THAT ALL UTILITY ENTITY STANDARDS FOR MATERIAL AND METHODS ARE MET. THE GENERAL CONTRACTOR SHALL OVERSEE INSTALLATION OF UTILITIES AND COORDINATE WITH ALL SUBCONTRACTORS TO AVOID CONFLICTS.
 14. THE CONTRACTOR SHALL PROVIDE AS-BUILT RECORDS OF ALL CONSTRUCTION (INCLUDING UNDERGROUND UTILITIES) TO THE OWNER FOLLOWING COMPLETION OF CONSTRUCTION ACTIVITIES.
 15. THE CONTRACTOR SHALL PROVIDE TESTING, INSPECTIONS, AS-BUILT DRAWINGS, CERTIFICATIONS AND ANY OTHER PROCEDURES OR DOCUMENTATION REQUIRED BY THE GOVERNING AGENCIES TO CLOSE OUT THE PROJECT.
 16. THE CONTRACTOR SHALL RESTORE ANY STRUCTURES, PIPE, UTILITY, PAVEMENT, CURBS SIDEWALKS, LANDSCAPED AREAS, ETC. WITHIN THE SITE OR ADJOINING PROPERTIES DISTURBED DURING DEMOLITION OR CONSTRUCTION TO THEIR ORIGINAL CONDITION OR BETTER, AND TO THE SATISFACTION OF THE OWNER/JURISDICTIONAL AUTHORITY.
 17. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL STRIPPING, RUBBISH, TRASH, DEBRIS, ORGANIC, AND EXCESS EXCAVATED MATERIAL IN A LAWFUL MANNER.
 18. CONTRACTOR SHALL REFERENCE THE PROJECT GEOTECHNICAL REPORT AVAILABLE IN THE PROJECT MANUAL AND COMPLY WITH ALL REPORT REQUIREMENTS. IF A CONFLICT ARISES BETWEEN THE GEOTECHNICAL REPORT AND CIVIL DOCUMENTS, THE GEOTECHNICAL REPORT SHALL GOVERN.
 19. FOR THE PURPOSES OF CONSTRUCTION SURVEY, ALL BUILDING DIMENSIONS SHALL BE VERIFIED WITH STRUCTURAL AND ARCHITECTURAL PLANS.
 20. THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING SHOP DRAWINGS TO THE ENGINEER FOR REVIEW OF ALL APPLICABLE PRODUCTS AND MATERIALS BEING USED FOR CONSTRUCTION.
 21. ALL UNDERGROUND WORK SHALL BE COMPLETED PRIOR TO COMPLETION OF SUBGRADE PREPARATION AND START OF ROADWAY WORK INCLUDING BUT NOT LIMITED TO INSTALLATION OF FABRIC, GRAVEL, PAVING, ETC.
 22. CONTRACTOR IS RESPONSIBLE FOR SECURING HAUL ROAD AGREEMENTS, IF NECESSARY. CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE TO HAUL ROADS AS WELL AS RESOLVING ANY CLAIMS OF DAMAGE.
 23. ELECTRONIC FILES ARE AVAILABLE FROM ENGINEER UPON REQUEST AND COMPLETION OF WAIVER FORM. CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH PREPARING DATA FOR EQUIPMENT USE ABOVE AND BEYOND SUBMITTAL OF FINISHED GROUND SURFACE. THIS DATA IS CONSIDERED SUPPLEMENTAL AND IS NOT CONSIDERED PART OF THE CONTRACT DOCUMENTS.

- GRADING NOTES:
1. LOCATION AND TOP ELEVATIONS OF INLETS AND STRUCTURES MAY NEED TO BE ADJUSTED IN THE FIELD BY THE CONTRACTOR WHERE NECESSARY AND SHALL BE APPROVED BY THE ENGINEER. CONTRACTOR SHALL NOTE ANY CHANGES IN AS-BUILT DRAWINGS.
 2. IF UNSUITABLE SUBGRADE MATERIALS ARE ENCOUNTERED, THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT (FROM OFF-SITE BORROW MATERIAL) OF ALL UNSUITABLE MATERIAL CLASSIFIED AS MH, OH, OL AND PEAT IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM, UNLESS APPROVED IN WRITING BY THE PROJECT GEOTECHNICAL ENGINEER. THE SITE ENGINEER AND GEOTECHNICAL ENGINEER SHALL BE NOTIFIED IMMEDIATELY UPON ENCOUNTERING UNSUITABLE SUBGRADE MATERIAL.
 3. THE CONTRACTOR IS RESPONSIBLE FOR ALL EXCAVATIONS AND GRADING INCLUDING FURNISHING OFF-SITE BORROW AND DISPOSING OF EXCESS MATERIAL AS REQUIRED TO MEET PLAN GRADES. OFF SITE BORROW SHALL MEET ALL REQUIREMENTS OF THE PROJECT GEOTECHNICAL REPORT (IF AVAILABLE) OR PER CITY OF MINOT STANDARD SPECIFICATIONS.
 4. ANY FARMING / SPREADING / MANIPULATING / ADDING OF WATER / ETC. OF EXCAVATED MATERIAL TO BRING MOISTURE CONTENT TO WITHIN SPECIFICATIONS OR TO A POINT WHERE SPECIFIED DENSITY CAN BE MAINTAINED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
 5. COMPACTION LIFTS AND TESTING SHALL BE PER CITY OF MINOT REQUIREMENTS IN TRENCHING, SUB-BASE, BASE, AND PAVING MATERIALS. SUB-BASE LIFTS SHALL NOT EXCEED 12". BASE LIFTS SHALL NOT EXCEED 6".
 6. CONTRACTOR SHALL UNIFORMLY GRADE BEHIND CURBS TO MATCH EXISTING GRADES AT PROPERTY LINES.
 7. GRADE TO ENSURE POSITIVE DRAINAGE. ALL FINISHED SURFACES SHALL BE FREE FROM SURFACE IRREGULARITIES
 8. EXCAVATION CONTRACTOR SHALL TAKE INTO ACCOUNT THAT ADDITIONAL CLAY WILL BE GENERATED DUE TO THE INSTALLATION OF THE PIPES AND BEDDING MATERIAL THAT WAS NOT ACCOUNTED FOR IN THE ESTIMATED QUANTITIES. THIS MAY IMPACT IMPORT/EXPORT QUANTITIES. CONTRACTOR SHALL BID / CONSTRUCT ACCORDINGLY.

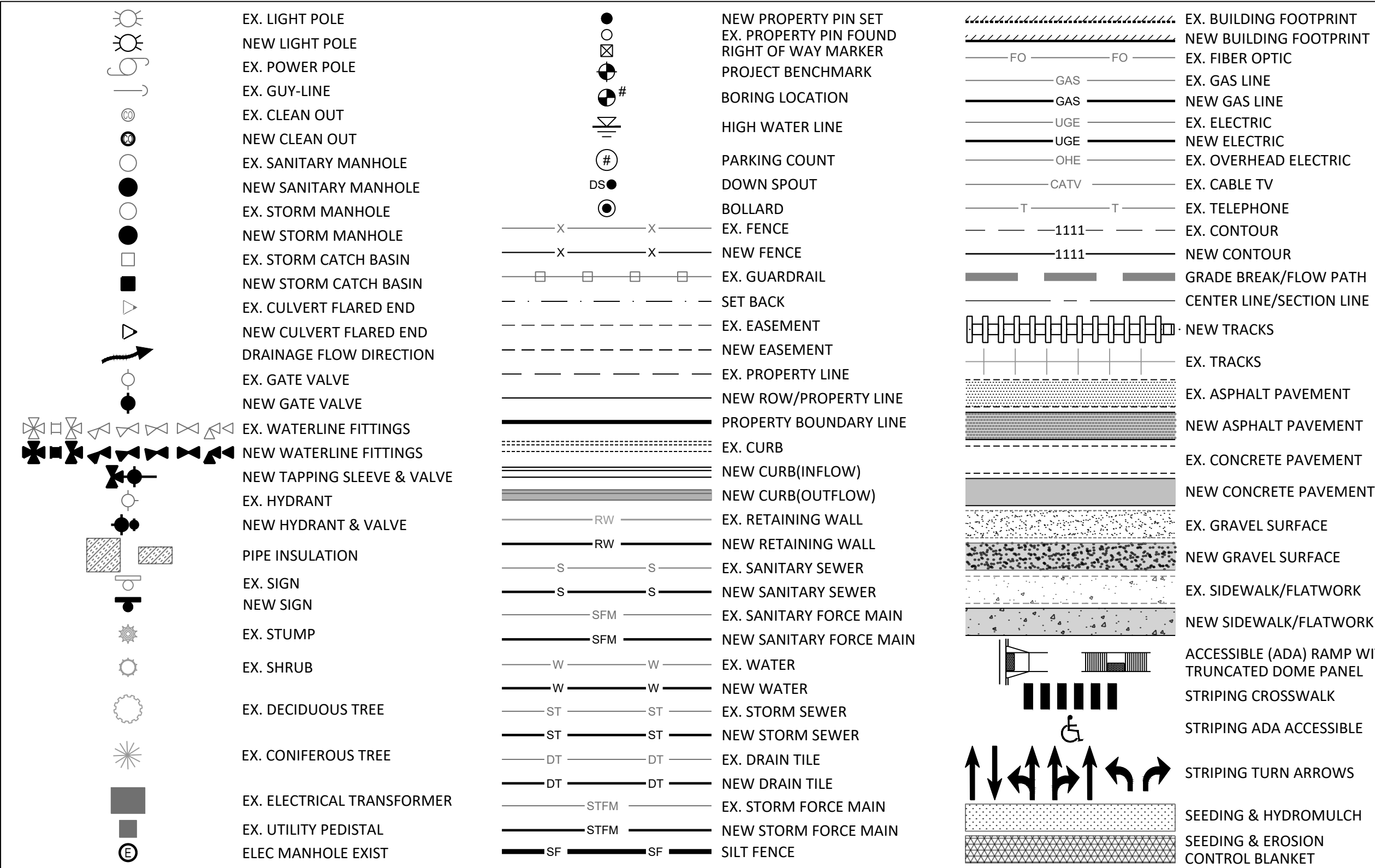
- PAVING NOTES:
1. ALL PAVEMENT SECTION MATERIALS AND INSTALLATION SHALL MEET THE REQUIREMENTS OF CITY OF MINOT.
 2. AGGREGATE BASE COURSE SHALL MEET THE REQUIREMENTS OF CITY OF MINOT.
 3. CONCRETE FOR FLAT WORK SHALL BE A BATCH PLANT MIX MEETING THE REQUIREMENTS OF THE CITY OF MINOT STANDARD SPECIFICATIONS. (MINIMUM 4,000 PSI)
 4. HOT BITUMINOUS PAVEMENT SHALL BE A PLANT MIX MEETING THE REQUIREMENTS OF THE CITY OF MINOT STANDARD SPECIFICATIONS (LATEST EDITION).
 5. PAINTED PARKING STRIPING SHALL BE WATER BASED 4" IN WIDTH YELLOW STRIPES AND BE LOCATED AS SHOWN ON THE PLANS. ACCESSIBLE PARKING STRIPING SHALL BE BLUE AND PER ADA REQUIREMENTS. GORE AREA LINES SHALL BE PAINTED AT 45 DEGREES AND SHALL HAVE A SPACING OF 3'. CURE COMPOUND SHALL BE REMOVED BY SANDBLASTING, GRINDING, OR OTHER APPROVED METHOD BEFORE INSTALLATION OF PAVEMENT MARKINGS ON CONCRETE TO ENSURE PROPER ADHESION OF THE PAINT. ALL WORK SHALL BE IN ACCORDANCE WITH THE CITY OF NEW TOWN REQUIREMENTS
 6. THE CONTRACTOR SHALL SUBMIT A JOINTING PLAN FOR CONCRETE PAVEMENT TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. IF NO JOINTING PLAN IS SUBMITTED, THE CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR JOINTING LAYOUT.
 7. CONTRACTOR SHALL ALLOW NEW BITUMINOUS PAVEMENT TO COOL TO A TEMPERATURE BELOW 125°F AND CURE FOR A PERIOD OF 72 HOURS BEFORE APPLYING PERMANENT PAVEMENT MARKINGS. APPLY WATER BASED PAINT WHEN THE AIR AND PAVEMENT SURFACE TEMPERATURES ARE 45°F OR WARMER.
 8. WHEN PAVING ADJACENT TO EXISTING ASPHALT PAVEMENT, CONTRACTOR SHALL SAW CUT EXISTING PAVEMENT AND APPLY TACK COAT FOR CLEAN EDGE TO PAVE AGAINST.

- SANITARY SEWER NOTES:
1. LOCATIONS AND TOP ELEVATIONS OF STRUCTURES MAY NEED TO BE ADJUSTED IN THE FIELD BY THE CONTRACTOR WHERE NECESSARY AND SHALL BE APPROVED BY THE ENGINEER. CONTRACTOR SHALL NOTE ALL CHANGES ON AS-BUILT DRAWINGS.
 2. CONSTRUCTION OF THE SANITARY SEWER SYSTEM AND CONNECTION TO THE EXISTING SEWER SYSTEM SHALL MEET THE REQUIREMENTS OF THE CITY OF MINOT AND SHALL BE INSTALLED UNDER THE DIRECTION OF THE CITY OF NEW TOWN.
 3. PVC SCHEDULE 40 SANITARY SEWER SHALL MEET ASTM D1785, D2665, F891, F1488, OR F1760 WITH APPROVED FITTINGS. SOLVENT WELDED JOINTS MUST USE ASTM F656 PURPLE PRIMER AND ASTM D2564 CEMENT.
 4. PVC SDR-35 AND SDR-26 SANITARY SEWER SHALL MEET ASTM D3034.
 5. CONTRACTOR SHALL CONFIRM LOCATION AND INVERT ELEVATION OF SEWER TIE-IN POINT PRIOR TO ANY SITE OR BUILDING CONSTRUCTION.
 6. ROOF DRAINS, FOUNDATION DRAINS OR OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED.

- WATER NOTES:
1. CONSTRUCTION OF THE WATER SYSTEM AND CONNECTION TO THE EXISTING WATER SYSTEM SHALL MEET THE REQUIREMENTS OF THE CITY OF MINOT AND SHALL BE INSTALLED UNDER THE DIRECTION OF THE CITY OF NEW TOWN.
 2. DUCTILE IRON WATER PIPE AND FITTINGS SHALL BE CLASS 350, AS SPECIFIED BY AWWA C150 FOR LAYING CONDITION TYPE 2. PIPE JOINTS AND FITTINGS SHALL BE RESTRAINED.
 3. PVC WATER PIPE AND FITTINGS 4" AND LARGER SHALL MEET AWWA C-900.
 4. ALL DUCTILE IRON FITTINGS, GATE VALVES, AND BURIED PORTIONS OF GATE VALVE BOXES, CURB STOPS AND BOXES, AND HYDRANTS SHALL BE WRAPPED IN AN 8 MIL POLYETHYLENE PLASTIC AND TAPED WITH A POLYETHYLENE (NOT DUCT TAPE) TAPE.
 5. ALL WATER LINES SHALL BE BELOW THE FROST LINE 7.5" FROM FINISH GRADE TO TOP OF PIPE.
 6. WATER METERS, BOXES, VAULTS AND BFP'S SHALL MEET ALL REQUIREMENTS OF THE UTILITY COMPANY. CONTRACTOR SHALL CONFIRM ALL ITEMS AGAINST CURRENT LIST OF APPROVED DEVICES PRIOR TO ORDERING.
 7. WATER LINE CROSSING ANY AND ALL SEWERS SHALL HAVE A MINIMUM VERTICAL SEPARATION OF 18" BETWEEN THE OUTSIDE OF THE WATER MAIN PIPE AND THE SEWER PIPE. ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED AT THE POINT OF CROSSING SUCH THAT BOTH JOINTS WILL BE EQUAL DISTANCE AND AS FAR FROM THE SEWER AS POSSIBLE, IF WATER CROSSES BELOW SANITARY SEWERS, THE SEWER MUST BE WATER MAIN MATERIAL FOR THE SPAN.
 8. SITE CONTRACTOR IS RESPONSIBLE FOR MAKING TIE-IN TO WATER AND SANITARY SEWER CONNECTIONS AT BUILDING. SEE ARCHITECTURAL AND MECHANICAL PLANS FOR EXACT LOCATIONS FOR BUILDING STUB OUTS AND FLOOR DRAINS.
 9. CONTRACTOR SHALL TEST THE WATER MAIN USING AWWA C605 CRITERIA. PIPE SHALL BE BE PRESSURIZED TO 150 PSI FOR TWO HOURS WITH 0 PSI ALLOWABLE PRESSURE LOSS. ALL WATER SERVICE CURB STOPS ALONG THE MAIN BEING TESTED SHALL BE OPEN DURING THE TEST. CONTRACTOR IS RESPONSIBLE FOR CAPPING THE END OF WATER SERVICES WITH A SUITABLE PRESSURE RATED PLUG.
 10. ALL WATER MAINS, FITTINGS, AND APPURTENANCES SHALL BE CHLORINATED AND TESTED IN ACCORDANCE WITH AWWA C651, AWWA 652, AND AS SET FORTH BY THE LATEST REVISION OF THE CITY OF NEW TOWN SPECIFICATIONS. CHLORINATED WATER SHALL REMAIN IN THE PIPE LINE FOR AT LEAST 24 HOURS AND SHALL HAVE A RESIDUAL CHLORINE CONTENT OF AT LEAST 25 PARTS PER MILLION AT THAT TIME. A WATER SAMPLE WILL BE TAKEN AFTER THE MAIN IS FLUSHED AND SHALL SHOW THE ABSENCE OF BACTERIA BEFORE CONNECTIONS ARE ALLOWED TO THE WATERMAIN. CHLORINE DISINFECTION SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE PIPE.
 11. ALL PRODUCTS (TREATMENT CHEMICALS AND MATERIALS) THAT MAY COME INTO CONTACT WITH WATER INTENDED FOR USE IN A PUBLIC WATER SYSTEM SHALL MEET ANSI/NSF INTERNATIONAL STANDARDS 60 & 61, AS APPROPRIATE.
 12. FOR BACTERIOLOGICAL TEST, TWO (2) SETS OF SAMPLES SHALL BE COLLECTED AT LEAST 16 HOURS APART, OR TWO (2) SETS SHALL BE COLLECTED 15 MINUTES APART AFTER AT LEAST A 16-HOUR REST SETS SHALL BE COLLECTED EVERY 1,200 FT. OF NEW MAIN, PLUS ONE SET FROM THE END OF THE WATER MAIN AND AT LEAST ONE FROM EACH BRANCH GREATER THAN ONE (1) PIPE LENGTH. BACTERIOLOGICAL TEST MUST BE ANALYZED BY A NORTH DAKOTA DEPARTMENT OF HEALTH CERTIFIED LAB.

- DEMOLITION NOTES
1. CONCRETE CURB AND GUTTER TO BE REMOVED SHALL BE SAW CUT IN FULL SECTIONS.
 2. CONTRACTOR SHALL SAW CUT EXISTING PAVEMENT FOR REMOVAL. PAVEMENT SHALL BE REMOVED IN FULL SECTIONS.
 3. LIMITS OF STREET PATCHING AND PATCHING REQUIREMENTS SHALL BE VERIFIED WITH THE CITY OF NEW TOWN.

- TEMPORARY TRAFFIC CONTROL NOTES:
1. EXCAVATION OR OTHER WORK IN THE RIGHT-OF-WAY SHALL REQUIRE A TRAFFIC CONTROL PLAN THAT MEETS ALL MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) REQUIREMENTS. CONTRACTOR SHALL COORDINATE WITH THE CITY OF NEW TOWN FOR ANY NECESSARY ROAD CLOSURES.
 2. UNLESS NOTED OTHERWISE, THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AN ATSSA CERTIFIED TRAFFIC CONTROL SUPERVISOR (TCS) AND ANY NECESSARY TEMPORARY TRAFFIC CONTROL DEVICES ON AND OFF-SITE INCLUDING OBTAINING ANY APPLICABLE PERMITS. THE CONTRACTOR SHALL IDENTIFY THE TCS AND PROVIDE PROOF OF CERTIFICATION AT A PRECONSTRUCTION MEETING.
 3. UNLESS A TEMPORARY TRAFFIC CONTROL PLAN IS INCLUDED WITH THE DESIGN DOCUMENTS, CONTRACTOR SHALL SUBMIT A COPY OF THE APPROVED TRAFFIC CONTROL PLAN TO THE ENGINEER FOR REVIEW.
 4. CONTRACTOR IS RESPONSIBLE TO INSTALL, INSPECT, MAINTAIN, AND REMOVE TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE LATEST STANDARDS AND REQUIREMENTS OF THE MUTCD, STANDARD HIGHWAY SIGNS AND MARKINGS BOOK PUBLISHED BY THE FHWA, AND LOCAL REGULATIONS.
 5. CHANGES TO THE TEMPORARY TRAFFIC CONTROL PLAN SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF THE OWNER, ENGINEER, AND PERMITTING AUTHORITY IF APPLICABLE.



ABBREVIATIONS

ADI	ADJACENT	ELEV	ELEVATION	PVIE	POINT OF VERTICAL INTERSECTION
ALT	ALTERNATE	ENCL	ENCLOSURE		ELEVATION
ARCH	ARCHITECT	E.O.P.	END OF PROJECT	PVIS	POINT OF VERTICAL INTERSECTION
ACP	ASBESTOS CEMENT PIPE	E.J.	EXPANSION JOINT		STATION
BIT	BITUMINOUS	EX.	EXISTING	PREFAB	PREFABRICATED
BLDG	BUILDING	EX.A.	EACH WAY	PSI	POUNDS PER SQUARE INCH
BM	BENCHMARK	EVCE	END VERTICAL CURVE ELEVATION	PVC	POLYVINYL CHLORIDE PIPE
B.O.P.	BY OWNER/BY OTHERS	EVCS	END VERTICAL CURVE STATION	PP	POWER POLE
BV	BEGINNING OF PROJECT	FD	FIRE DEPARTMENT	R	RADIUS
BVCE	BUTTERFLY VALVE	FFE	FIRST FLOOR ELEVATION	RCP	REINFORCED CONCRETE PIPE
	BEGINNING VERTICAL CURVE	FO	FIBER OPTICS	RD	ROOF DRAIN
	ELEVATION	FTG	FOOTING	REQ'D	REQUIRED
BVCS	BEGINNING VERTICAL CURVE STATION	G.C.	GENERAL CONTRACTOR	RIM	RIM OF INLET OR CASTING
	CIVIL	GALV	GALVANIZED	ROW	RIGHT OF WAY
C	CAST IRON	GAL	GALLON	SAN	SANITARY
B.P.	CAST IRON PIPE	GRAN	GRANULAR	SS	SANITARY SEWER
CIP	COPPER	GV	GATE VALVE	ST	STORM
CMP	CORRUGATED METAL PIPE	HDPE	HIGH DENSITY POLYETHYLENE	STD	STANDARD
CJ	CONTROL JOINT	HORZ	HORIZONTAL	SB	SOIL BORING
	CONCRETE	HB	HOSE BIB	STRUCT	STRUCTURAL
CF	CUBIC FEET	HDCP	HANDICAPPED	SF	SQUARE FEET
CS	CURB STOP	HYD	HYDRANT	SCH	SCHEDULE
C.O.	CLEAN OUT	I	INLET	SW	SIDEWALK
CNTR	CENTER	K	CURVATURE VALUE	T	TELEPHONE
CONST	CONSTRUCTION	M	MECHANICAL	TYP	TYPICAL
CONTR	CONTRACTOR	MH	MANHOLE	UNEX	UN-EXCAVATED
CY	CUBIC YARD	MAX	MAXIMUM	UE	UTILITY EASEMENT
DIA	DIAMETER	MIN	MINIMUM	UGE	UNDERGROUND ELECTRIC
DIP	DUCTILE IRON PIPE	M.J.	MECHANICAL JOINT	UNO	UNLESS NOTED OTHERWISE
DEMO	DEMOLITION	MISC.	MISCELLANEOUS	VERT	VERTICAL
DTL	DETAIL	NC	NON-CORROSIVE	V	VERIFY
DIM	DIMENSION	NOM	NOMINAL	VCL	VERTICAL CURVE LENGTH
DOM	DOMESTIC	NIC	NOT IN CONTRACT	VOL	VOLUME
D.S.	DOWN SPOUT	NTS	NOT TO SCALE	VCP	VITRIFIED CLAY PIPE
DWG	DRAWING	OD	OUTSIDE DIMENSION	W/	WITH
DWL	DOWEL	OCEW	ON CENTER EACH WAY	W/O	WITH OUT
EA	EACH	OC	ON CENTER	WTH	WIDTH
ELEC	ELECTRIC	OHE	OVERHEAD ELECTRIC	W	WATER
		P.C.	PRECAST CONCRETE		

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NEW TOWN SCHOOL DISTRICT

PROJECT DESCRIPTION

NEW TOWN GRANDSTANDS

CITY NEW TOWN

STATE ND

ISSUE DATES

CD	CONSTRUCTION DOCUMENTS	08/17/2026
MARK	DESCRIPTION	DATE

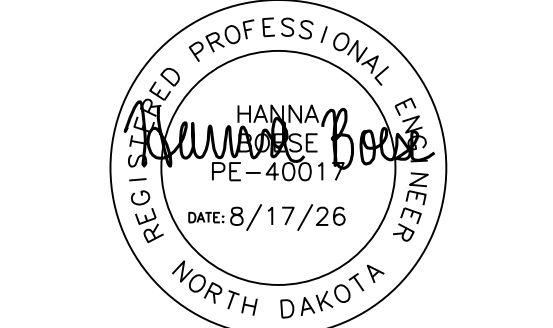
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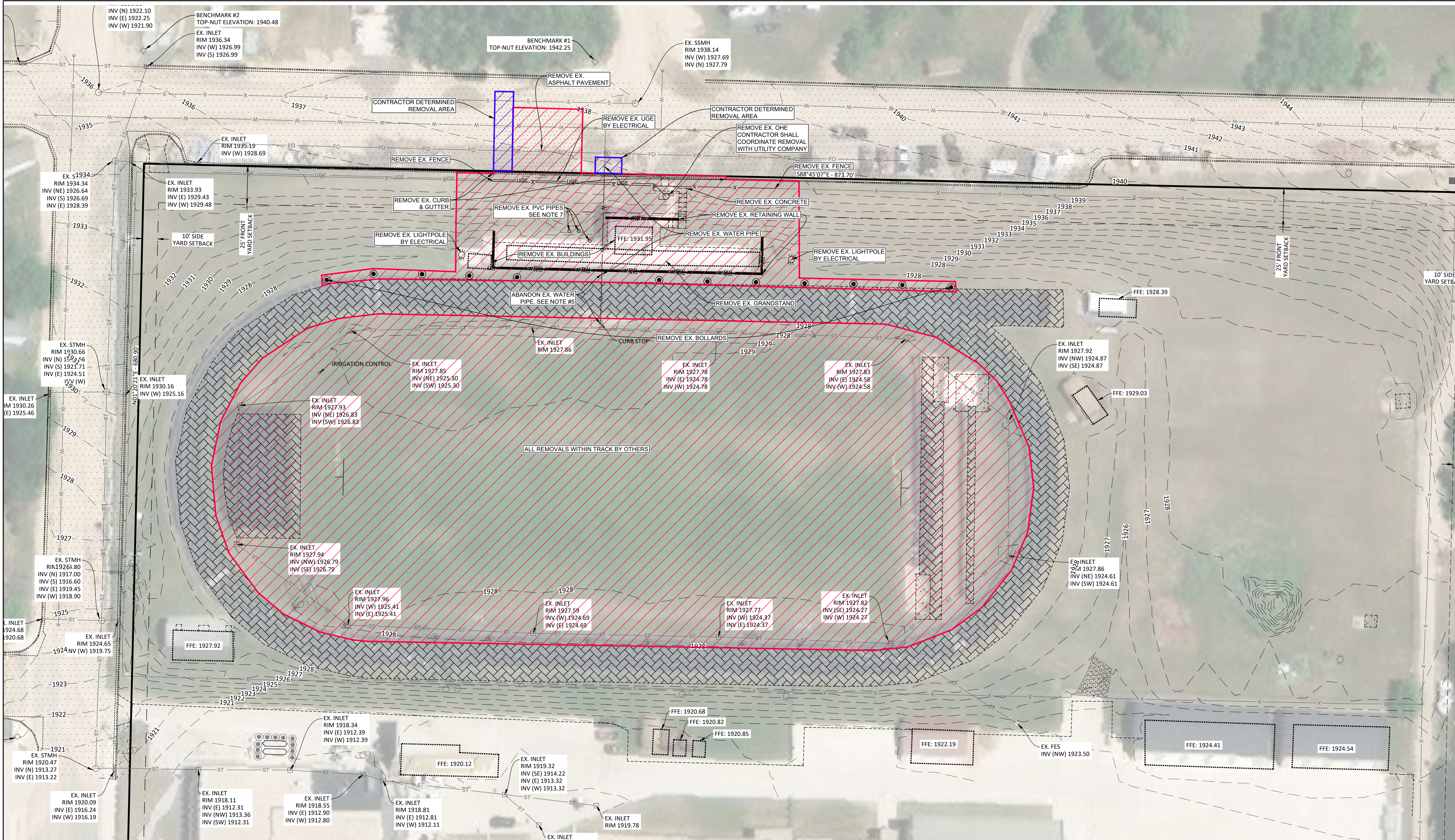
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GENERAL NOTES & LEGEND

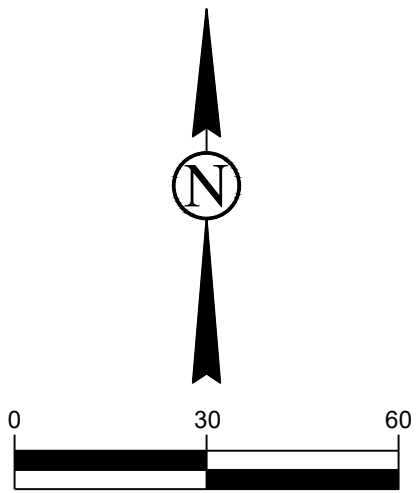
C200



ESTIMATED DEMOLITION QUANTITIES		
ITEM	QUANTITY	UNIT
REMOVE EX. CURB & GUTTER	150	LF
REMOVE EX. SIDEWALK	398	SY
REMOVE EX. ASPHALT	205	SY
REMOVE EX. BOLLARD	12	EA
REMOVE EX. FENCE	190	LF
REMOVE EX. WATER PIPE	101	LF
REMOVE EX. PVC PIPES	1	LS
REMOVE EX. RETAINING WALL	267	LF
REMOVE EX. OHE	1	LS
REMOVE EX. BUILDINGS	2	EA
REMOVE EX. GRANDSTAND	1	LS
CONTRACTOR DETERMINED REMOVAL AREA	2	LS

- NOTES:
- EXISTING CONDITIONS SHOWN ARE BASED ON OBSERVATIONS AT THE TIME THE SURVEY WAS COMPLETED. THE CONTRACTOR IS ENCOURAGED TO VISIT THE SITE IN ORDER TO BID APPROPRIATELY. QUANTITIES SHOWN ARE ESTIMATES ONLY. CONTRACTOR SHALL VERIFY ELEVATIONS OF ALL EXISTING UTILITY TIE-INS PRIOR TO CONSTRUCTION.
 - DEPTH OF EXISTING DRY UTILITIES ARE UNKNOWN. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES FOR CROSSINGS AND IMPACTS.
 - CONTRACTOR SHALL SAW CUT AND REPLACE ANY EXISTING PAVEMENT DAMAGED DURING CONSTRUCTION AT NO ADDITIONAL COST.
 - CONTRACTOR SHALL ABANDON EXISTING PIPE IN PLACE. CONTRACTOR SHALL FILL WITH CDF OR SAND AND CAP ENDS OF PIPE.
 - CONTRACTOR DETERMINED REMOVAL AREA: THE CONTRACTOR SHALL DETERMINE THE LIMITS/AMOUNT OF EXISTING PAVEMENT TO BE REMOVED AND REPLACED THAT IS NECESSARY TO INSTALL AND CONNECT THE PROPOSED SANITARY/WATER/STORM PIPES BASED ON THE CONTRACTOR'S AVAILABLE EQUIPMENT AND ABILITY. CONTRACTOR IS RESPONSIBLE FOR THEIR OWN QUANTITIES. BID PRICE SHALL BE FOR BOTH REMOVAL AND REPLACEMENT PER CITY SPECIFICATIONS.
 - WHAT IS BELOW GRADE AND CONNECTED TO EXISTING PVC CAPS IS UNKNOWN. CONTRACTOR SHALL BE GIVEN ALLOWANCE FOR FIELD EXPLORATION TO DETERMINE AND REMOVE THE EXISTING UTILITY.

- REMOVAL AREAS
- CONTRACTOR DETERMINED REMOVAL AREAS



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NEW TOWN GRANDSTANDS

CITY NEW TOWN
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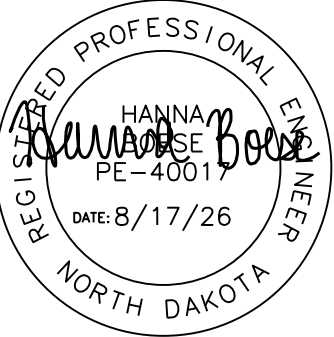
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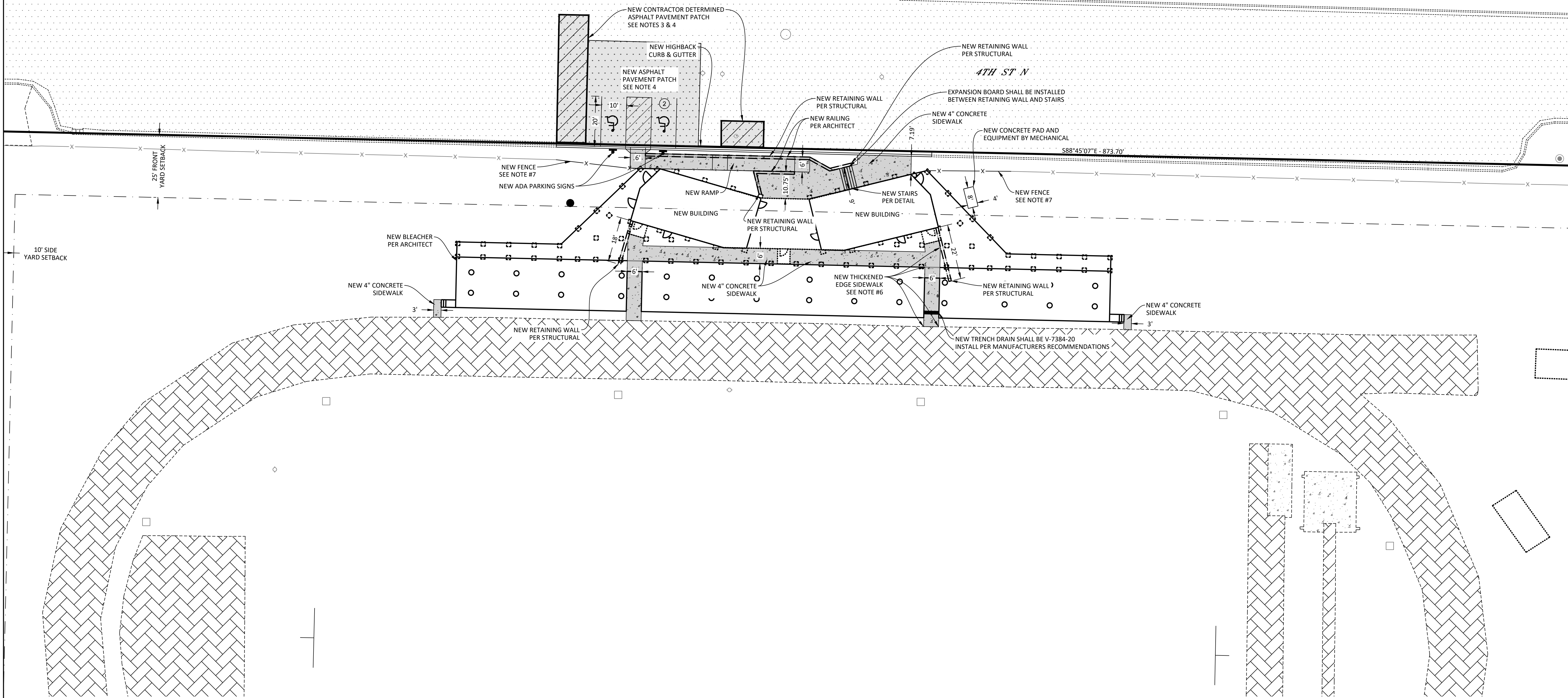


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SURVEY OVERLAY & DEMOLITION PLAN

C300

BENCHMARK #2
TOP-NUT ELEVATION: 1940.48

BENCHMARK #1
TOP-NUT ELEVATION: 1942.25



ESTIMATED SITE QUANTITIES		
ITEM	QUANTITY	UNIT
CURB & GUTTER - HIGHBACK	150	LF
ASPHALT PAVEMENT PATCH - MATCH EXISTING SECTION	1	LS
CONCRETE SIDEWALK - 4"	243	SY
THICKENED EDGE CONCRETE SIDEWALK	56	LF
PAVEMENT MARKING - PAINT	152	LF
PAVEMENT MARKING - SYMBOL	2	EA
ADA PARKING SIGN	2	EA
FENCE	82	LF
RAMP	1	LS
OUTDOOR STAIRS	1	LS

- NOTES:
- SEE ELECTRICAL FOR SITE LIGHTING.
 - CONTRACTOR SHALL VERIFY BLEACHER DIMENSIONS AND ALL COLUMN LOCATIONS WITH STRUCTURAL PRIOR TO POURING CONCRETE FLATWORK.
 - SITE QUANTITIES DO NOT INCLUDE THE CONTRACTOR DETERMINED ASPHALT PAVEMENT PATCH.
 - ASPHALT PAVEMENT PATCH SHALL MATCH EXISTING SECTION.
 - DETAILS REGARDING SIDEWALK CONNECTION TO RETAINING WALLS SHALL BE PER STRUCTURAL.
 - CONTRACTOR SHALL TRANSITION FROM FLUSH TO 6" THICKENED EDGE AT TRENCH DRAIN.
 - NEW FENCE SHALL MATCH EXISTING 6' CHAIN LINK FENCE. CONTRACTOR SHALL VERIFY HEIGHT.

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PROJECT DESCRIPTION
NEW TOWN GRANDSTANDS

CITY NEW TOWN
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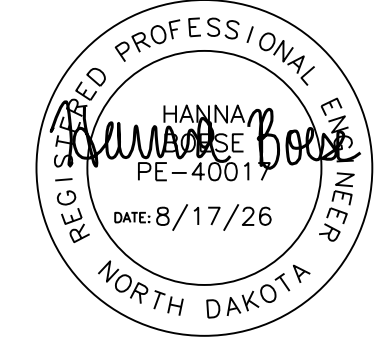
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DRAWING TITLE
OVERALL SITE PLAN

C400

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BENCHMARK #2
TOP-NUT ELEVATION: 1940.48

BENCHMARK #1
TOP-NUT ELEVATION: 1942.25

EX. SSMH
RIM 1938.14
INV (W) 1927.69
INV (N) 1927.79

CONTRACTOR SHALL VERIFY DEPTH OF EXISTING
WATERMAIN. CONTACT THE ENGINEER IF
CONFLICT IS PRESENT.

EX. FIBER PER
AS-BUILTS

57'-4" SCHD 40 SS @ 2.00%

NEW CONNECT TO EXISTING GATE VALVE
CONTRACTOR SHALL VERIFY WATERMAIN IS
INSTALLED DEEP ENOUGH TO AVOID CONFLICTS
WITH RETAINING WALL FOUNDATIONS

S88°45'07"E - 873.70'

10' SIDE
YARD SETBACK

25' FRONT
YARD SETBACK

SS-2
NEW SS PUMP STATION
RIM 1933.96
INV (N) 1926.21
INV (E) 1924.25

12'-3" SCHD 40 SFM @ 16.13%

NEW CONNECT TO BUILDING

NEW BUILDING

NEW BUILDING

SS-1
NEW CONNECT TO MECH. CO
INV (W) 1924.67

NEW TRENCH DRAIN SHALL BE V-7384-20
INSTALL PER MANUFACTURERS RECOMMENDATIONS

EX. INLET
RIM 1927.86

CURB STOP

EX. INLET
RIM 1927.78
INV (E) 1924.78
INV (W) 1924.78

EX. INLET
RIM 1927.83
INV (E) 1924.58
INV (W) 1924.58

EX. INLET
RIM 1927.92
INV (NW) 1924.87
INV (SE) 1924.87

EX. INLET
RIM 1927.93
INV (NE) 1926.83
INV (SW) 1926.83

IRRIGATION CONTROL

ESTIMATED SANITARY QUANTITIES

ITEM	QUANTITY	UNIT
SDR-35 PIPE - 6"	21	LF
SCHEDULE 40 PIPE - 3"	12	LF
SCHEDULE 40 PIPE - 4"	57	LF
SANITARY PUMP STATION	1	EA
CONNECT TO EXISTING	1	EA

ESTIMATED WATER QUANTITIES

ITEM	QUANTITY	UNIT
C-900 PIPE - 4"	26	LF
CONNECT TO EXISTING GATE VALVE	1	EA

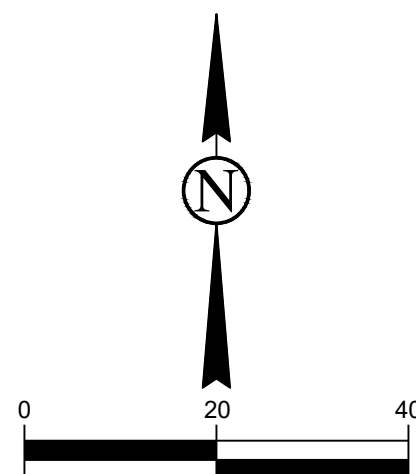
ESTIMATED STORM QUANTITIES

ITEM	QUANTITY	UNIT
TRENCH DRAIN	6	LF

NOTES:

- THE FOLLOWING LISTS THE DESIGN ASSUMPTIONS FOR THE SANITARY LIFT STATION: HAZEN-WILLIAMS EQUATION WAS USED TO CALCULATE HEAD LOSS THROUGH THE PROPOSED SYSTEM.
 - PEAK FLOW RATE PER MECHANICAL: 100 GPM
 - LENGTH OF FORCEMAIN: 12.31 FT
 - ROUGHNESS COEFFICIENT: 150
 - DIAMETER OF FORCEMAIN: 3.0 IN
 - CALCULATED HEAD LOSS THROUGH PIPE: 0.27 FT
 - VERTICAL HEAD LOSS: 7.04 FT
 - TOTAL DYNAMIC HEAD = 0.27 + 7.04 = 7.31 FT
- THE SANITARY PUMP STATION SHALL HAVE THE FOLLOWING OPTIONS:
 - 48" DIAMETER BASIN
 - 180" DEPTH
 - ESPS - 200 LEVEL CONTROL
 - 2 - 3 HP PUMPS (240 VOLTS/1 PHASE)
 - 6" PVC SDR-35 FLEXIBLE FITTING INLET
 - 3" SCHD 40 DISCHARGE
 - STAINLESS STEEL LIFTING DEVICE
 - ALUMINUM HATCH COVER
 - CABLE AS NECESSARY TO SERVICE CONTROL PANEL MECHANICAL ROOM

- CONTROL PANEL SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS
 - RIM: 1933.96
 - ALARM: 1924.25
 - PUMP 2 ON: 1923.75
 - PUMP 1 ON: 1923.25
 - OFF: 1921.13
 - BOTTOM: 1918.96
- INSTALL 1 CY OF CONCRETE AT BOTTOM OF LIFT STATION (ABOVE BALLAST SUPPORT FLANGE FOR ANTIFLOTATION) SEE DETAIL #3 ON C800.
- CONTRACTOR SHALL VERIFY INVERTS AT CONNECTION LOCATIONS PRIOR TO CONSTRUCTION.
- ALL FITTINGS SHALL BE CONSIDERED INCIDENTAL TO THE BID PRICE FOR PIPE.
- CONTRACTOR SHALL COORDINATE WITH MECHANICAL/PLUMBER FOR UTILITY CONNECTIONS AT THE BUILDING.
- CENTER OF STORM INLET SYMBOL REPRESENTS FLOW LINE LOW POINT LOCATION. CONTRACTOR SHALL ADJUST STRUCTURE AS NECESSARY SO THAT INLETS IN CURB LINES AND VALLEY GUTTERS PROPERLY ALIGN WITH DESIGNATED LOW POINT.



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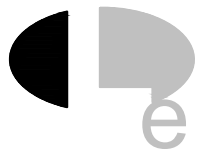
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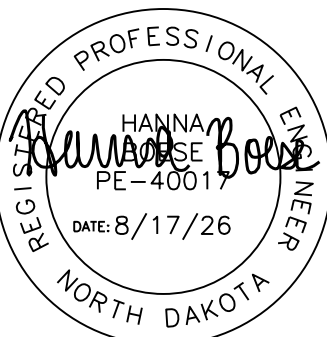
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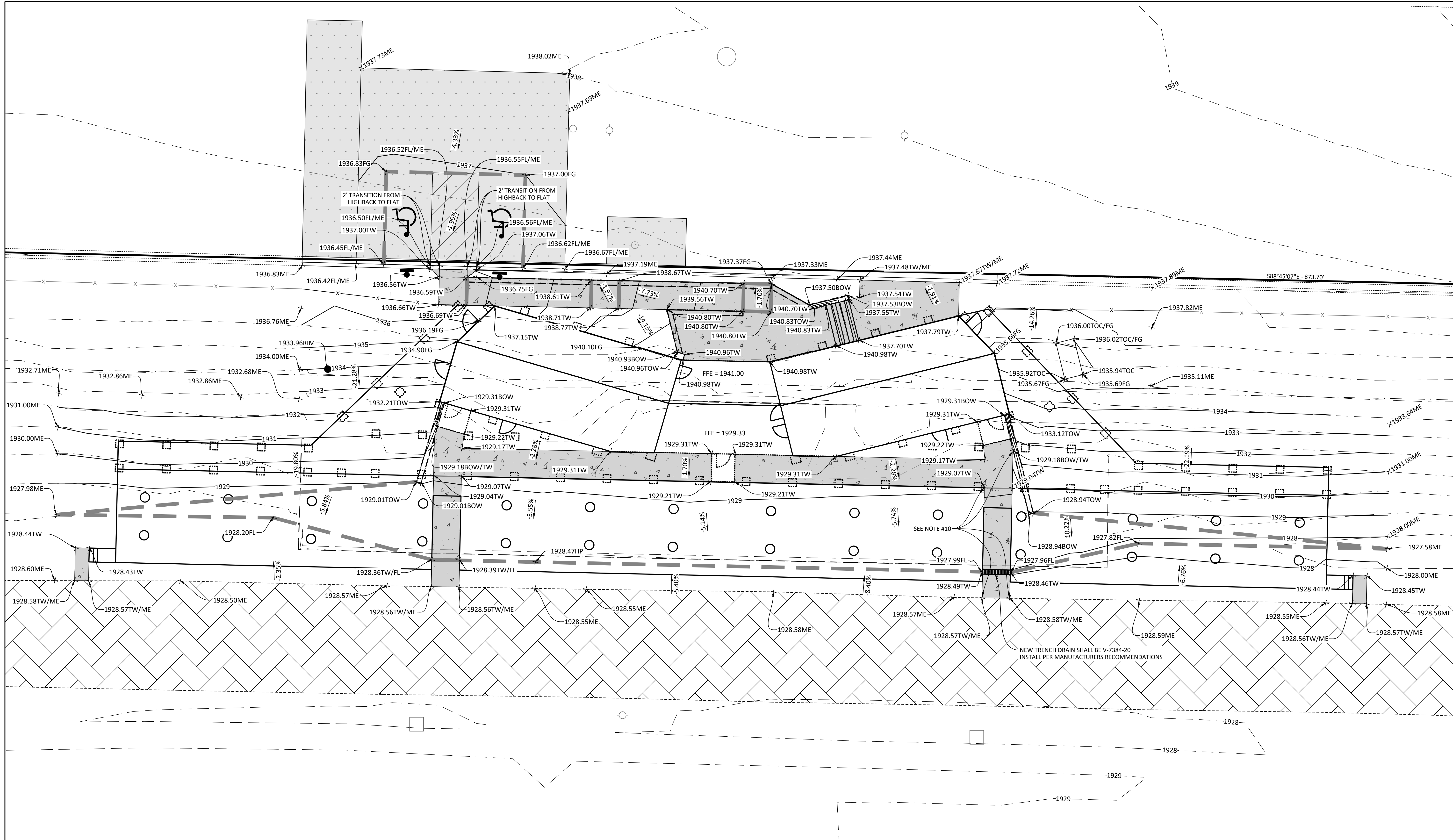


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UTILITY PLAN

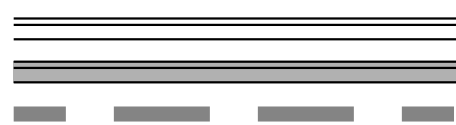
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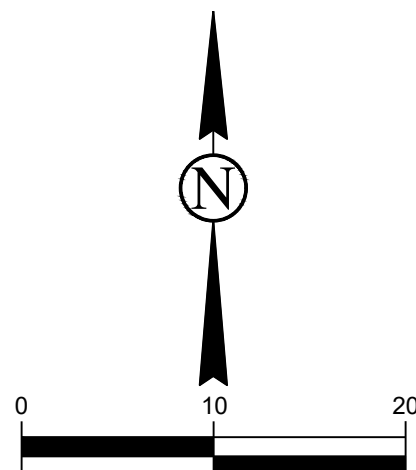


NOTES:

1. ELEVATIONS ARE FLOWLINE ELEVATIONS UNLESS OTHERWISE NOTED.
2. EXCESS TOPSOIL/CLAY SHALL BECOME PROPERTY OF THE CONTRACTOR AND HAULED OFFSITE PRIOR TO CLOSE OUT OF THE PROJECT.
3. AGGREGATE BASE SHALL BE NDDOT CLASS 5.
4. QUANTITY FOR AGGREGATE BASE IS ASSUMED TO BE IN PLACE AND COMPACTED. CONTRACTOR SHALL MAKE ADJUSTMENTS FOR LOOSE VOLUME IF NECESSARY.
5. AGGREGATE BASE AND GEOTEXTILE FABRIC QUANTITIES ASSUME THEY EXTEND 1' BEYOND EDGE OF PAVEMENT.
6. GEOTEXTILE FABRIC PANELS SHALL BE A MINIMUM OF 12' WIDE AND INSTALLED WITH A MINIMUM OVERLAP OF 18\"/>



NEW CURB(IN-FLOW)
NEW CURB(OUT-FLOW)
GRADE BREAK/FLOWLINE
FINISH GROUND
FLOWLINE
HIGH POINT
STRUCTURE INVERT ELEVATION
LOW POINT
MIDPOINT OF CURVE
MATCH EXISTING GROUND
POINT OF CURVATURE
STRUCTURE RIM ELEVATION
TOP OF CURB/THICKENED EDGE
TOP OF CONCRETE
TOP OF WALK
TOP OF WALL
BOTTOM OF WALL

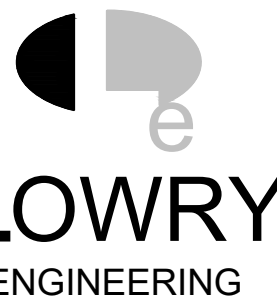


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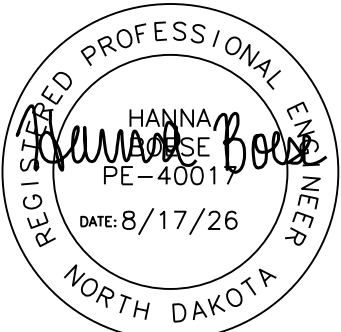
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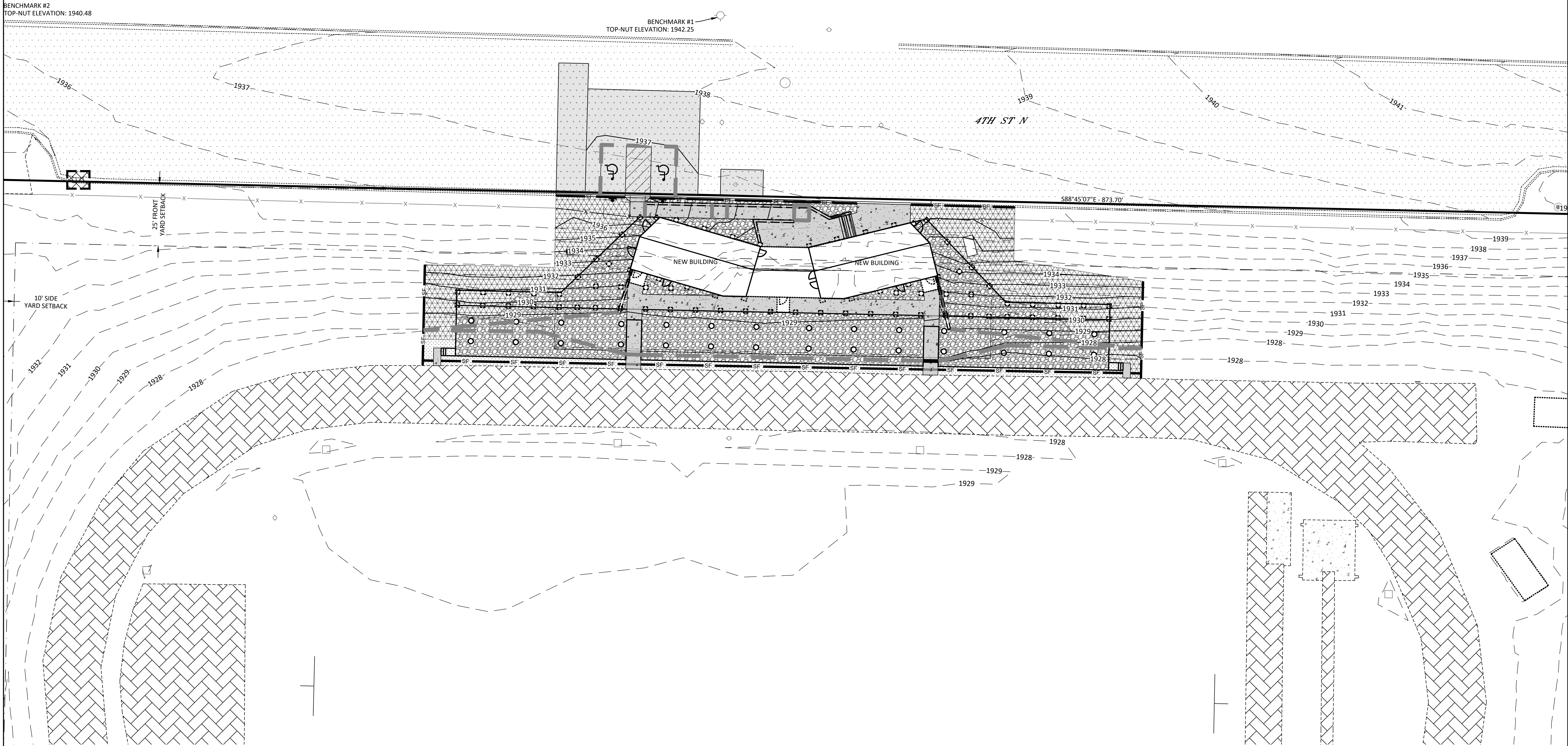


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GRADING PLAN

C600

BENCHMARK #2
TOP-NUT ELEVATION: 1940.48

BENCHMARK #1
TOP-NUT ELEVATION: 1942.25



EROSION CONTROL LEGEND			
	SILT FENCE	512	LF
	SEEDING & HYDROMULCH	113	SY
	SEEDING WITH EROSION CONTROL BLANKET	422	SY
	STANDARD INLET PROTECTION	1	EA
	LANDSCAPE ROCK	758	SY

- NOTES:
- CONTRACTOR SHALL FOLLOW NDDEQ STORMWATER POLLUTION PREVENTION STANDARDS FOR ALL EROSION CONTROL DURING CONSTRUCTION.
 - EROSION CONTROL BLANKET SHALL BE STRAW NDDOT TYPE 2.
 - CONTRACTOR SHALL INSTALL PERIMETER EROSION AND SEDIMENT CONTROLS PRIOR TO ANY LAND DISTURBING ACTIVITY.
 - IF CONCRETE WASHOUT OCCURS ON SITE, CONTRACTOR SHALL COORDINATE LOCATION WITH OWNER.
 - INLET PROTECTION SHALL BE BY DANDY PRODUCTS, ERTEC, FLEXSTORM, OR APPROVED EQUAL AND INSTALLED PER MANUFACTURES RECOMMENDATION.
 - CONTRACTOR SHALL LEAVE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES IN PLACE UNTIL ALL DISTURBED AREAS ARE PERMANENTLY STABILIZED.
 - CONTRACTOR IS RESPONSIBLE FOR ALL INSTALLATION, MAINTENANCE, REPLACEMENT IF NECESSARY, REMOVAL, ETC OF ANY AND ALL PROTECTION MEASURES NEEDED FROM THE START OF CONSTRUCTION UNTIL FINAL STABILIZATION IS ACHIEVED.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS AND METHODS TO KEEP 4TH STREET CLEAN AND FREE OF DEBRIS.

Architecture

Interior Design

Engineering

Industrial

TELEPHONE701.258.3116

116 W. Main Ave., Suite A, Bismarck ND 58501

www.eapc.net

CONSULTANTS

LOWRY

ENGINEERING

2718 GATEWAY AVENUE, SUITE 302
BISMARCK, NORTH DAKOTA 58503

CLIENT
NEW TOWN SCHOOL DISTRICT

PROJECT DESCRIPTION
NEW TOWN GRANDSTANDS

CITYNEW TOWN
STATEND

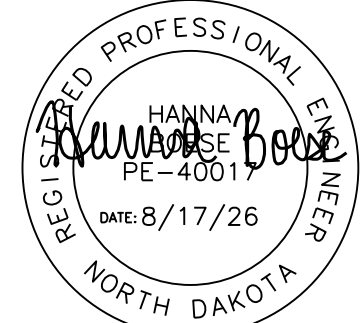
ISSUE DATES

CD	CONSTRUCTION DOCUMENTS	08/17/2026
MARK	DESCRIPTION	DATE

PROJECT NO: 20263400
DRAWN BY: JDV
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EROSION & SEDIMENT CONTROL PLAN

C701

02040

CALL BEFORE YOU DIG
NORTH DAKOTA
UTILITIES UNDERGROUND LOCATION SERVICE
1-800-795-0555

SWPPP NARRATIVE

* CONTRACTOR SHALL FILL IN ALL INFORMATION IN SHADED AREAS *

PROJECT NAME
NEW TOWN PUBLIC SCHOOLS GRANDSTAND

PROJECT LOCATION
206 2ND AVE E
NEW TOWN, ND 58763
MOUNTRAIL COUNTY
SECTION: 17
TOWNSHIP: T152N
RANGE: R92W
QUARTER SECTION: DBD
LATITUDE: 47.982896°N
LONGITUDE: -102.479165°W
METHOD FOR DETERMINING LATITUDE/LONGITUDE: MAP
IS THE SITE LOCATED ON INDIAN COUNTRY LANDS, OR ON A PROPERTY OF RELIGIOUS OR CULTURAL SIGNIFICANCE TO AN INDIAN TRIBE? YES
IF YES: FORT BERTHOLD INDIAN RESERVATION

PROJECT SIZE
TOTAL PROJECT AREA - 13.62 ACRES
AREA TO BE DISTURBED - 0.46 ACRES

PROJECT TYPE AND DESCRIPTION
TYPE: RESIDENTIAL
DESCRIPTION: A NEW GRANDSTAND STRUCTURE WILL BE BUILT. THE SITE WILL CONSIST OF WATER AND SANITARY IMPROVEMENTS AS WELL AS CONCRETE SIDEWALKS AND ASPHALT PAVEMENT.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) CONSTRUCTION GENERAL PERMIT
TRACKING NUMBER:

RECEIVING WATERS - NORTH DAKOTA
DOES THE SITE DISCHARGE STORMWATER INTO A MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4)? YES

DESCRIBE RECEIVING WATERS: THE SITE DRAINS TO THE CITY OF NEW TOWN STORM SEWER SYSTEM AND DISCHARGES INTO A TRIBUTARY OF SANISH BAY.

IS THE END BODY OF WATER LISTED ON IMPAIRED WATERS OR TMDL LIST? YES
IF YES : LAKE SAKAKAWEA - ND-10110101-021-L_00
IF YES : LAKE
IF YES: 1.53 MILES

DRAINAGE PATTERNS
THE EXISTING SITE DRAINS DOWN THE HILL INTO SWALES ON THE EXTERIOR OF THE TRACK. WATER ON THE INTERIOR OF THE TRACK IS COLLECTED BY A STORMWATER CONVEYANCE SYSTEM AND IS DISCHARGED AT THE SOUTHEAST CORNER OF THE TRACK. WATER IN 4TH STREET WILL DRAIN WEST TO AN EXISTING INLET. ONCE THE SITE IS DEVELOPED, WATER IN 4TH STREET WILL CONTINUE TO DRAIN WEST TO AN EXISTING INLET. WATER ON SITE WILL FLOW DOWN THE HILL AND INTO EXISTING SWALES ON THE EXTERIOR OF THE TRACK. WATER UNDER THE BLEACHERS WILL BE CONVEYED TO THE EXISTING SWALES.

SOIL TYPE(S)
PREDOMINANT SOIL(S) AREA:
SHAMBO LOAM, 2-6% SLOPES, RATING B SOILS
SHAMBO LOAM 6-9% SLOPES, RATING B SOILS

ENDANGERED SPECIES
ARE THERE ANY KNOWN ENDANGERED SPECIES OR THREATENED SPECIES AND CRITICAL HABITATS ON OR NEAR THE PROJECT AREA? - ARE NOT KNOWN

HISTORIC PRESERVATION
ARE THERE ANY KNOWN HISTORIC SITES ON OR NEAR THE CONSTRUCTION SITE? ARE NOT KNOWN

ESTIMATED DATES OF CONSTRUCTION
START DATE:
COMPLETION DATE:

RAIN GAUGE
RAIN GAUGE LOCATION (IF APPLICABLE):

OWNER CONTACT INFORMATION
EAPC ARCHITECTS/ENGINEERS
PAUL BREINER, AIA
3100 DEMERS AVENUE
GRAND FORKS, ND 58201
PHONE #: 701-258-3116
EMAIL: Paul.Breiner@eapc.net

CONTRACTOR
BUSINESS NAME:
CONTACT NAME:
MAILING ADDRESS:
CITY:
TELEPHONE:
EMAIL ADDRESS:

EMERGENCY 24-HOUR CONTACT
BUSINESS NAME:
CONTACT NAME:
TELEPHONE:

PARTY RESPONSIBLE FOR LONG TERM OPERATION & MAINTENANCE OF STORM SEWER SYSTEM
SEE OWNER INFORMATION

POLLUTANTS
POTENTIAL POLLUTANTS ON SITE ARE UNSTABILIZED SOILS, FUELS, LUBRICANTS, LITTER AND DEBRIS, BUILDING MATERIALS, OFF SITE TRACKING, SANITARY WASTE;
OTHER:

AUTHORIZED NON-STORMWATER DISCHARGE	WILL OR MAY OCCUR AT YOUR SITE?	
DISCHARGES FROM EMERGENCY FIRE-FIGHTING ACTIVITIES	☐ YES	☐ NO
FIRE HYDRANT FLUSHINGS	☐ YES	☐ NO
LANDSCAPE IRRIGATION	☐ YES	☐ NO
WATER USED TO WASH VEHICLES	☐ YES	☐ NO
WATER USED TO CONTROL DUST	☐ YES	☐ NO
POTABLE WATER INCLUDING UNCONTAMINATED WATER LINE FLUSHINGS	☐ YES	☐ NO
EXTERNAL BUILDING WASHDOWN (SOAPS/SOLVENTS ARE NOT USED AND EXTERNAL SURFACES DO NOT CONTAIN HAZARDOUS SUBSTANCES)	☐ YES	☐ NO
PAVEMENT WASH WATERS	☐ YES	☐ NO
UNCONTAMINATED AIR CONDITIONING OR COMPRESSOR CONDENSATE	☐ YES	☐ NO
UNCONTAMINATED, NON-TURBID DISCHARGES OF GROUND WATER OR SPRING WATER	☐ YES	☐ NO
FOUNDATION OR FOOTING DRAINS	☐ YES	☐ NO
UNCONTAMINATED CONSTRUCTION DEWATERING WATER	☐ YES	☐ NO

NOTE: IF MARKED YES, CONTRACTOR SHALL IDENTIFY LOCATIONS ON THE PLAN SHEET.

CHEMICALS
LIST OF CHEMICALS AND STORAGE PLACE FOR EACH (IF APPLICABLE):

SPILL PREVENTION AND RESPONSE:
DESCRIBE PROCEDURES YOU WILL USE TO PREVENT AND RESPOND TO LEAKS, SPILLS, AND OTHER RELEASES:

FUELING AND MAINTENANCE OF EQUIPMENT OR VEHICLES
DESCRIBE EQUIPMENT/VEHICLE FUELING AND MAINTENANCE PRACTICES THAT WILL BE IMPLEMENTED TO ELIMINATE THE DISCHARGE OF SPILLED OR LEAKED CHEMICALS:

WASHING OF EQUIPMENT AND VEHICLES
DESCRIBE EQUIPMENT/VEHICLE WASHING PRACTICES THAT WILL BE USED TO MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER TYPES OF WASH WATERS:

DESCRIBE HOW YOU WILL PREVENT THE DISCHARGE OF SOAPS, DETERGENTS, OR SOLVENTS AND PROVIDE STORAGE BY EITHER (1) COVER TO PREVENT THESE DETERGENTS FROM COMING INTO CONTACT WITH RAINWATER, OR (2) A SIMILARLY EFFECTIVE MEANS DESIGNED TO MINIMIZE THE DISCHARGE OF POLLUTANTS FROM THESE AREAS:

TRAINING DOCUMENTATION
SWPPP PREPARATION
PREPARED BY: JACOB VAAGEN - LOWRY ENGINEERING
DATE PREPARED: 8/17/2026
PHONE NUMBER: 701-235-0199
EMAIL: jvaagen@LOWRYENG.COM
DATE OF TRAINING: MAY OF 2025
NAME OF INSTRUCTOR: VIRTUAL CLASS ON DEMAND
ENTITY PROVIDING TRAINING: UNIVERSITY OF MINNESOTA
CONTENT OF TRAINING COURSE: DESIGN OF CONSTRUCTION STORMWATER POLLUTION PREVENTION PLANS
TOTAL HOURS OF TRAINING: 12 HOURS

SWPPP IMPLEMENTATION, REVISING, AMENDING, AND INSPECTING
NAME:
DATE OF TRAINING:
NAME OF INSTRUCTOR:
ENTITY PROVIDING TRAINING:
CONTENT OF TRAINING COURSE:
TOTAL HOURS OF TRAINING:
BMP INSTALLATION, MAINTENANCE, AND REPAIR
NAME:
DATE OF TRAINING:
NAME OF INSTRUCTOR:
ENTITY PROVIDING TRAINING:
CONTENT OF TRAINING COURSE:
TOTAL HOURS OF TRAINING:

CERTIFICATION AND NOTIFICATION
I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

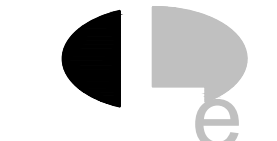
NAME: TITLE:
SIGNATURE: DATE:



Architecture	Engineering
Interior Design	Industrial

TELEPHONE **701.258.3116**
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www.eapc.net

CONSULTANTS



LOWRY
ENGINEERING
2718 GATEWAY AVENUE, SUITE 302
BISMARCK, NORTH DAKOTA 58503

CLIENT

NEW TOWN SCHOOL DISTRICT

PROJECT DESCRIPTION

NEW TOWN GRANDSTANDS

CITY

NEW TOWN

STATE

ND

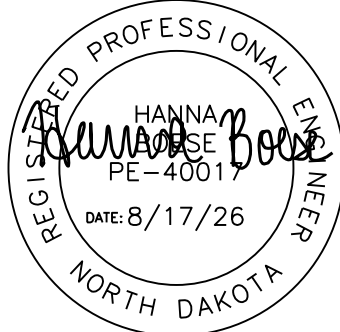
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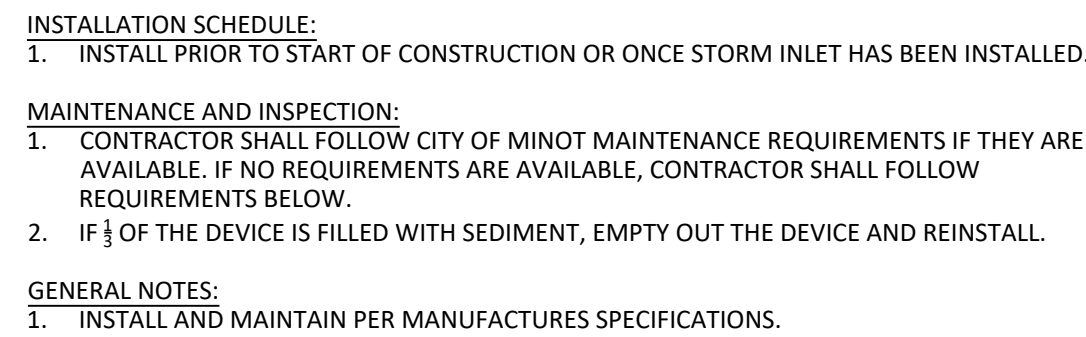


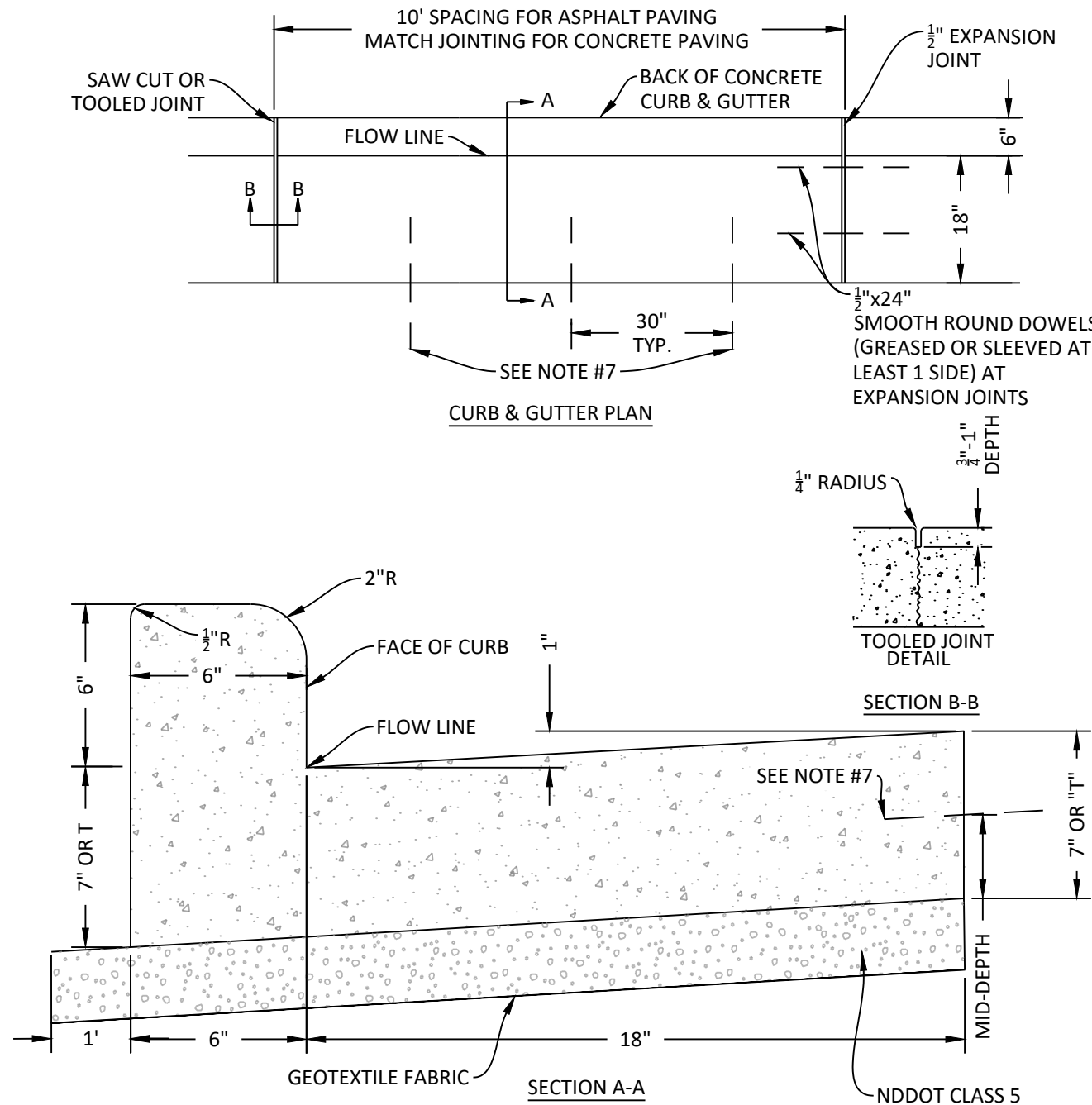
DRAWING TITLE

SWPPP NARRATIVE

C702

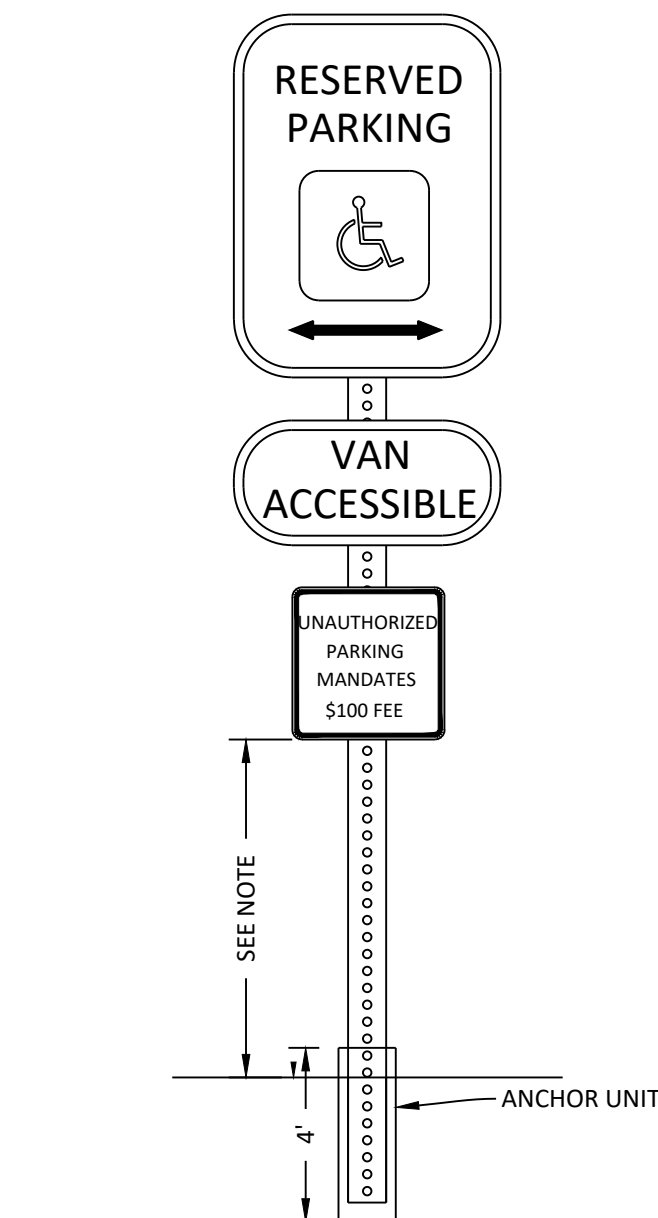
DISCLAIMER
THIS SWPPP TEMPLATE WAS PARTIALLY COMPLETED BY LOWRY ENGINEERING FOR USE BY THE RESPONSIBLE PARTY FOR THE PROPOSED CONSTRUCTION PROJECT. LOWRY ENGINEERING IS NOT RESPONSIBLE FOR THE ACCURACY, ENFORCEMENT, MAINTENANCE, OR MANAGEMENT OF THE SWPPP IN ANY WAY AND MAKES NO REPRESENTATION REGARDING THE MATTER.





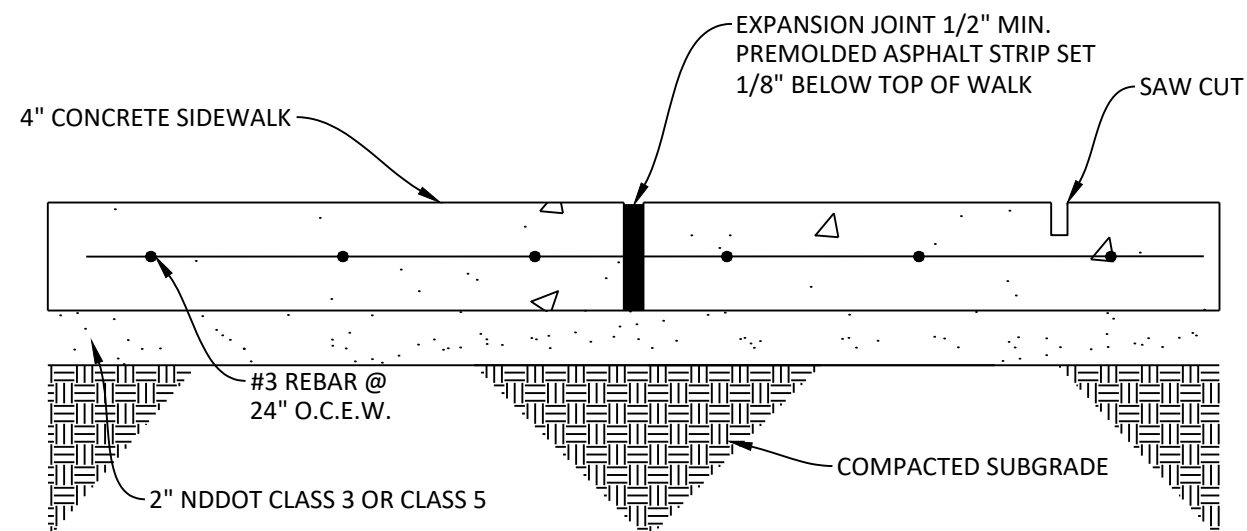
- NOTES:
- DIMENSION "T" SHALL MATCH THE THICKNESS OF THE ADJOINING CONCRETE SLAB WITH EITHER INTEGRAL OR SEPARATE CURB. CONTRACTOR SHALL INSTALL AS 7" OR T", WHICHEVER IS GREATER.
 - WHEN OUTFLOW CURB IS SPECIFIED, SLOPE SHALL BE 1/4" PER FOOT.
 - PROVIDE FULL DEPTH EXPANSION JOINT WITH 1/2" EXPANSION MATERIAL AT P.C.'S, HIGH POINTS, AND 60' INTERVALS FOR ASPHALT PAVING OR MATCH ADJACENT PAVEMENT IF CONCRETE.
 - PROVIDE 2 - 3/4" X 24" SMOOTH DOWELS AT ALL EXPANSION JOINTS AND CONSTRUCTION JOINTS.
 - WHITE CONCRETE CURING COMPOUND SHALL BE APPLIED PER MANUFACTURERS SPECIFICATIONS ON ALL EXTERIOR CONCRETE SURFACES.
 - CONCRETE SHALL BE 4,000 (OR HIGHER) PSI AND PER NDDOT SPECIFICATIONS.
 - WHEN ADJACENT PAVEMENT IS CONCRETE, CONTRACTOR SHALL INSTALL 18" - #4 REBAR @ 30" ON CENTER.

1 HIGH BACK CURB & GUTTER - 24" N.T.S.



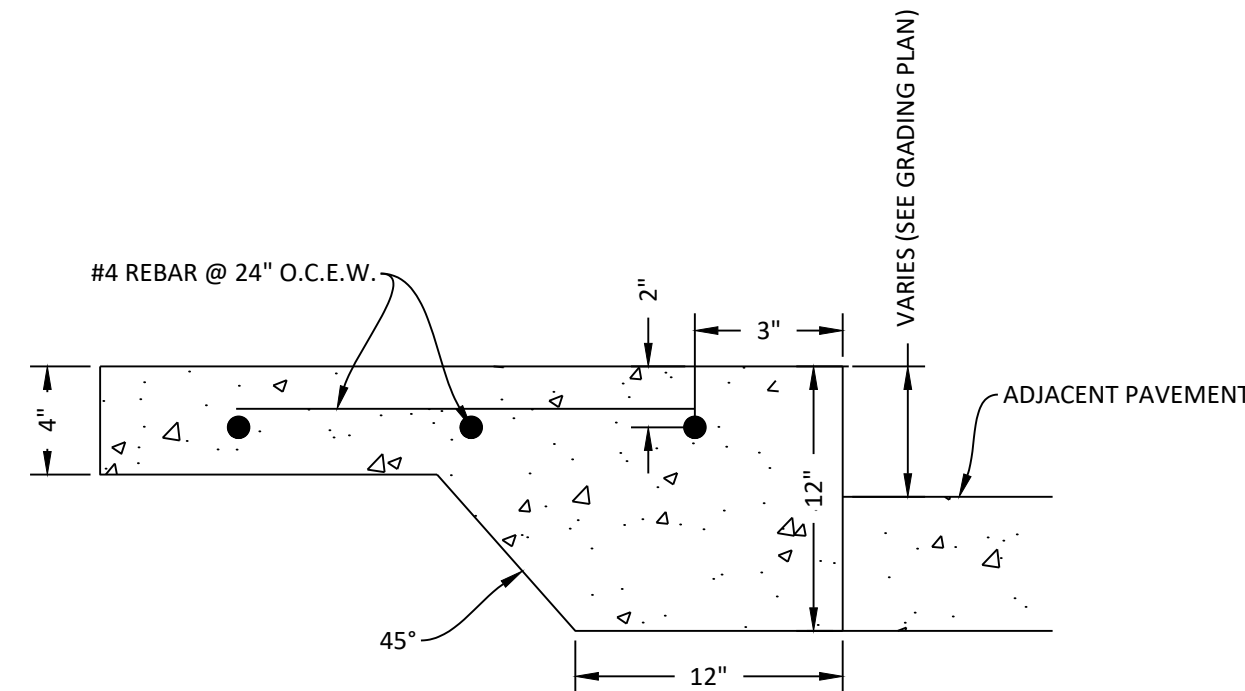
- NOTE:
- VERIFY SIGNAGE WITH ALL STATE AND LOCAL CODES
 - USE 3/4" PLYWOOD ON BACK OF ALL SIGNS ATTACHED TO BUILDINGS
 - SIGNS MUST BE PLACED A MINIMUM OF 60" HIGH MEASURED FROM THE GROUND TO BOTTOM OF SIGN. A MINIMUM OF 80" IS REQUIRED ABOVE CIRCULATION PATHS.
 - VERIFY AMOUNT OF FINE W/LOCAL AUTHORITY.
 - POST SHALL BE GALVANIZED TELESCOPING PERFORATED TUBE.

4 ADA PARKING SIGN - VAN ACCESSIBLE N.T.S.



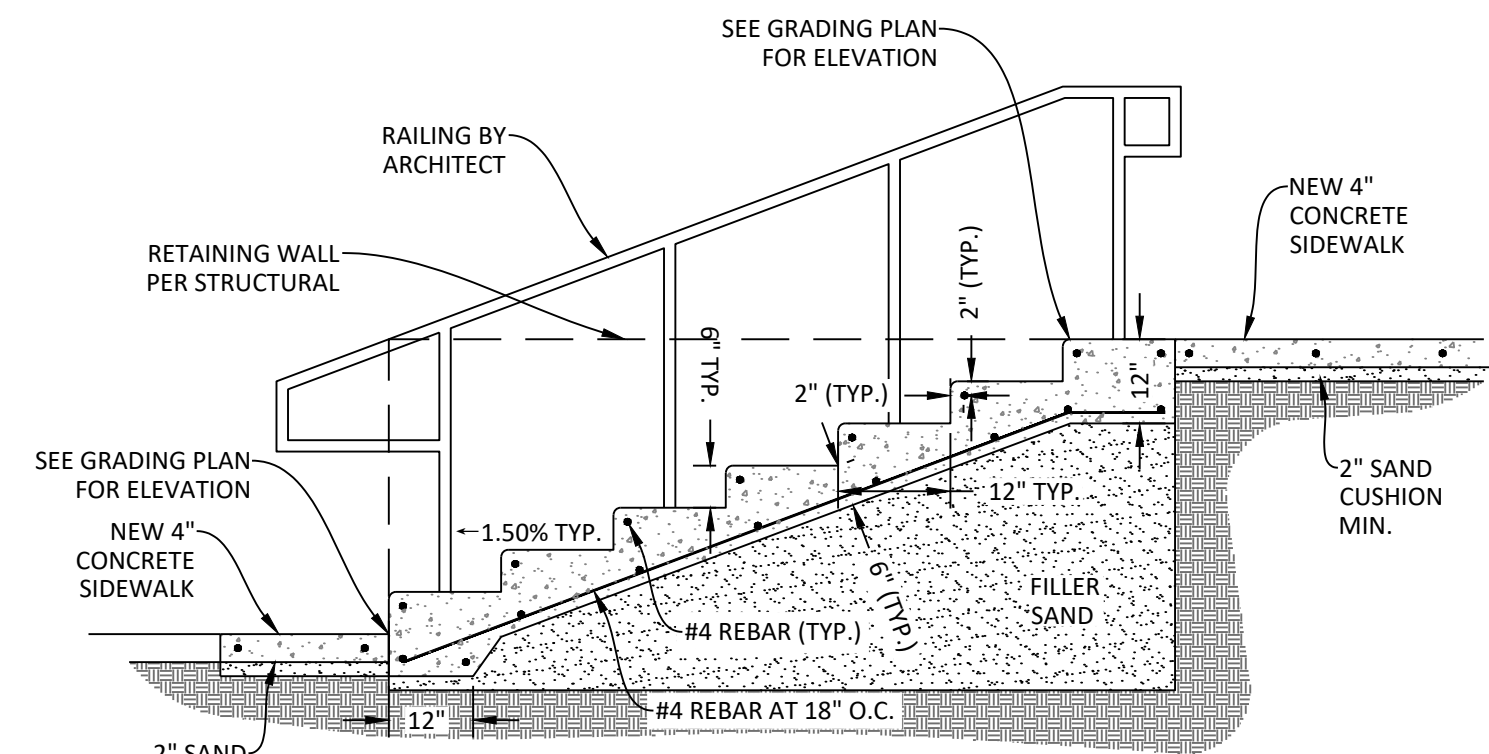
- NOTES:
- PROVIDE 1/2" EXPANSION MATERIAL AT EXISTING CONCRETE CONNECTIONS, BUILDINGS & DOOR OPENINGS, ADJACENT TO CURB & GUTTER AND CONCRETE WALK INTERSECTIONS.
 - PROVIDE FULL DEPTH EXPANSION JOINT WITH 1/2" EXPANSION MATERIAL AT 60' INTERVALS.
 - SAW CUT 1.25" DEEP AT 6' INTERVALS OR LESS TO APPROXIMATE SQUARE DESIGN.
 - PROVIDE 3/4" X 18" SMOOTH DOWELS AT 12" O.C. AT CONSTRUCTION JOINTS.
 - MAXIMUM CROSS SLOPE 2% FROM BUILDINGS, MAXIMUM LONGITUDINAL SLOPE 5%.
 - CONCRETE SHALL BE 4,000 OR HIGHER PSI AND MEET NDDOT/CITY OF MINOT SPECIFICATIONS.
 - CLASS 3 OR 5 BEDDING MATERIAL SHALL BE CONSIDERED INCIDENTAL TO THE BID PRICE FOR SIDEWALK.

2 SIDEWALK CROSS SECTION N.T.S.



- NOTES:
- PROVIDE 1/2" EXPANSION MATERIAL AT EXISTING CONCRETE JOINTS, BUILDINGS & ADJACENT TO CURB AND GUTTER.
 - PROVIDE FULL DEPTH EXPANSION JOINT WITH 1/2" EXPANSION MATERIAL AT 60' INTERVALS.
 - SAW CUT 1" DEEP AT 6' INTERVALS OR LESS TO APPROXIMATE SQUARE DESIGN.
 - PROVIDE 3/4" SMOOTH DOWELS @ 24" O.C. AT EXPANSION JOINTS.
 - CONCRETE SHALL BE 4,000 (OR HIGHER) PSI AND PER NDDOT/CITY OF MINOT SPECIFICATIONS

3 THICKENED EDGE SIDEWALK N.T.S.



- NOTES:
- CONCRETE SHALL BE 4,000 (OR HIGHER) PSI AND PER NDDOT/CITY OF MINOT SPECIFICATIONS.
 - SEE ARCHITECTURAL FOR HAND RAILING SPECIFICATIONS/DETAIL.

5 OUTDOOR STAIRS N.T.S.

CONSULTANTS

CLIENT NEW TOWN SCHOOL DISTRICT

PROJECT DESCRIPTION

NEW TOWN GRANDSTANDS

CITY	NEW TOWN
STATE	ND

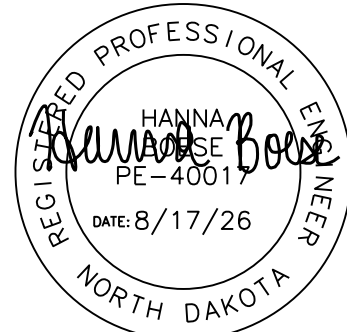
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DRAWING TITLE DETAILS

C900

GENERAL REQUIREMENTS:

- DESIGN AND CONSTRUCTION OF THIS PROJECT IS PER THE 2021 INTERNATIONAL BUILDING CODE (IBC) INCLUDING REFERENCED STANDARDS AND LOCAL/STATE AMENDMENTS OR BUILDING CODES.
- THIS PROJECT IS SUBJECT TO SPECIAL INSPECTIONS AS DESCRIBED IN CHAPTER 17 OF THE IBC AND SHALL BE PROVIDED BY AN INDEPENDENT AGENCY.
- GENERAL CONTRACTOR, CONTRACTOR, CONSTRUCTION MANAGER/AGENCY OR OTHER SIMILAR ENTITY OR REFERENCE ARE SYNONYMOUS AS IT RELATES TO USE OF AND RESPONSIBILITIES ASSIGNED BY THE CONTRACTOR DOCUMENTS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF STRUCTURAL SYSTEMS WITH OTHER TRADES AND CONTRACT DOCUMENTS, NOTIFY THE EOR OF ANY DISCREPANCIES.
- CONTRACTOR SHALL PROVIDE VERIFICATION OF QUANTITIES AND DIMENSIONS, MEANS AND METHODS OF CONSTRUCTION, SAFE AND SECURE PERFORMANCE OF THE WORK, AND TO NOT ALTER OR CUT ANY STRUCTURAL MEMBER WITHOUT APPROVAL FROM THE EOR.
- THE STRUCTURAL DESIGN REPRESENTS THE COMPLETED STATE ANY TEMPORARY BRACING OR SHORING REQUIRED TO MAINTAIN STABILITY DURING CONSTRUCTION SHALL BE DESIGNED, FURNISHED, AND INSTALLED BY THE CONTRACTOR.
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS, FRAMING MEMBERS, AND SITE CONDITIONS PRIOR TO STARTING THE WORK AND NOTIFY THE EOR OF ANY DISCREPANCIES.
- EXACT LOCATION AND SIZE OF ROOF/FLOOR/WALL OPENINGS, SLEEVES, OR MECHANICAL PENETRATIONS TO BE COORDINATED BY THE CONTRACTOR; SIMILAR FOR HOUSEKEEPING PADS, INSERTS AND EMBEDS, DEPRESSIONS, BOX-OUTS, SLOPES, DOORS AND WINDOWS, NON-BEARING WALLS, STAIRS, FINISHES, WATERPROOFING, RAILINGS, MECHANICAL EQUIPMENT LOCATIONS, LEDGES, INSULATION AND OTHER NON-STRUCTURAL ITEMS NECESSARY TO COMPLETE THE WORK.
- CONTRACTOR SHALL PROVIDE CONTRACTOR APPROVED AND STAMPED SHOP DRAWINGS AND PRODUCT DATA FOR REVIEW WITH GENERAL CONFORMANCE TO THE CONTRACTOR DOCUMENTS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFICATION AND COORDINATION WITH TESTING AND INSPECTION AGENCIES DURING CONSTRUCTION OR WHOEVER REMAINS RESPONSIBLE FOR PERFORMING WORK IN COMPLIANCE WITH THE CONTRACT DOCUMENTS.
- CONSTRUCTION OBSERVATION BY THE STRUCTURAL ENGINEER IS FOR GENERAL CONFORMANCE WITH THE CONTRACT DOCUMENTS ONLY.
- DEFERRED SUBMITTAL ITEMS REQUIRE SHOP DRAWINGS AND CALCULATIONS STAMPED AND SIGNED BY A PROFESSIONAL ENGINEER IN THE STATE WHERE THE PROJECT IS LOCATED AS FOLLOWS:
 - METAL STAIRS AND CONNECTION TO STRUCTURE
 - LADDERS AND CONNECTION TO STRUCTURE
 - METAL RAILINGS/GUARDRAIL AND CONNECTION TO STRUCTURE
 - PRE-ENGINEERED WOOD TRUSSES
 - STRUCTURAL INSULATED PANELS (SIP)
 - MASS TIMBER FRAMING AND CONNECTIONS

SPECIAL INSPECTION AND TESTING:

- OWNER SHALL EMPLOY SERVICES OF AN INDEPENDENT TESTING AGENCY TO PERFORM SPECIFIED SPECIAL INSPECTION AND TESTING AS REQUIRED BY THE IBC OR AS SPECIFICALLY NOTED.
- SPECIAL INSPECTION AND TESTING SHALL BE COMPLETED IN ACCORDANCE WITH CHAPTER 17 OF THE IBC AND AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
- CONTRACTOR SHALL PROVIDE SPECIAL INSPECTOR WITH SUFFICIENT NOTICE AND ACCESS TO THE SITE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF RETESTING OR ADDITIONAL INSPECTION NEEDED AS A RESULT OF UNINSPECTED WORK, FAILED TESTS, OR REJECTED WORK.
- DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR:
 - OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS.
 - FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL AND PROJECT TEAM.
 - IMMEDIATELY NOTIFY THE CONTRACTOR AND ARCHITECT/EOR OF ANY DISCREPANCIES, DEVIATIONS, OR FAILED TEST FOR CORRECTIVE ACTION.

EARTHWORK AND SUBGRADE PREPARATION:

- COMPLETE EARTHWORK ACTIVITIES AND SITE PREPARATION IN ACCORDANCE WITH THE PROJECT GEOTECHNICAL REPORT PREPARED BY MTS(#XXXXXX).
- NOTIFY EOR IMMEDIATELY IF ANY QUESTIONABLE SOIL CONDITIONS ARE ENCOUNTERED DURING EXCAVATION; FOUNDATION ELEVATIONS AND SUBGRADE PREPARATION ARE SUBJECT TO CHANGE DEPENDING ON CONDITIONS ENCOUNTERED.
- PROJECT GEOTECHNICAL ENGINEER SHALL TEST TO VERIFY DESIGN BEARING PRESSURE AND INSPECT SUBGRADE EXCAVATION AND PREPARATION PRIOR TO PROCEEDING WITH PLACEMENT OF FOUNDATIONS AND SLABS.
- FOUNDATION AND SLABS SHALL BEAR ON UNDISTURBED SOIL OR APPROVED FILL MATERIAL COMPACTED TO A MINIMUM OF 95% OF STANDARD PROCTOR UNLESS OTHERWISE NOTED OR SPECIFIED BY THE PROJECT GEOTECHNICAL ENGINEER.
- PROTECT EXCAVATIONS AND FOOTINGS FROM THE ACTION OF WATER OR FREEZING AND SHALL NOT BE EARTH FORMED WITHOUT APPROVAL BY THE EOR.
- CONTRACTOR SHALL PROVIDE TEMPORARY SHORING AS REQUIRED TO COMPLY WITH OSHA STANDARDS.
- MATERIAL FOR BACKFILL SHALL BE CLEAN, FREE OF WOOD SCRAPS OR OTHER DELETERIOUS SUBSTANCES AND PLACED IN 12" COMPACTED LIFTS, UNLESS NOTED OR SPECIFIED BY THE PROJECT GEOTECHNICAL ENGINEER.
- BACKFILL AGAINST FOUNDATION WALL CAREFULLY TO AVOID DAMAGE TO THE WALL AND OTHER CONSTRUCTION; NO UNBALANCED BACKFILL SHALL BE PLACED UNLESS WALLS ARE SECURELY BRACED AGAINST OVERTURNING, EITHER BY TEMPORARY CONSTRUCTION BRACING OR PERMANENT CONSTRUCTION, OR DESIGNED TO RETAIN EARTH.
- EXISTING ON-SITE SUITABLE SOILS ARE ACCEPTABLE BACKFILL MATERIAL PROVIDED THEY CAN BE CONDITIONED AND PLACED TO THE SPECIFIED WATER CONTENT, MEET COMPACTION REQUIREMENTS, AND ARE APPROVED BY THE PROJECT GEOTECHNICAL ENGINEER.
- GRANULAR FILL SHALL HAVE 100% PASSING THE 1", LESS THAN 50% PASSING THE #40, AND LESS THAN 12% PASSING THE #200 SIEVES UNLESS NOTED OR SPECIFIED BY THE PROJECT GEOTECHNICAL ENGINEER.
- RETAINING WALLS HAVE BEEN DESIGNED FOR THE LATERAL EARTH PRESSURE AND SURCHARGE NOTED, ASSUMING A WELL GRADED AND DRAINED CONDITION USING COMPACTED GRANULAR FILL AT HEEL AND TOE SIDE OF FOUNDATION EXTENDING TOWARD FINISHED GRADE AT 1H-1V.
- PROVIDE A MINIMUM 6" THICK DRAINAGE COURSE BELOW ALL INTERIOR FLOOR SLABS ON GRADE UNLESS NOTED OTHERWISE. DRAINAGE COURSE SHALL HAVE 100% PASSING THE 1", LESS THAN 50% PASSING #40, AND LESS THAN 5% PASSING THE #200 SIEVES, UNLESS NOTED OR SPECIFIED BY THE PROJECT GEOTECHNICAL ENGINEER. PROVIDE A 10 MIL VAPOR BARRIER BETWEEN THE DRAINAGE COURSE AND UNDERSIDE OF CONCRETE SLAB.
- CRUSHED STONE/GRAVEL AROUND DRAINTILE SYSTEMS AND RETAINING WALL DRAINS SHALL HAVE LESS THAN 10% PASSING THE #4 SIEVE UNLESS NOTED OTHERWISE.

CAST-IN-PLACE CONCRETE:

- CONTRACTOR WORK SHALL CONFORM WITH REQUIREMENTS OF ACI 301 AND ACI 318 OR ACI 350, ALONG WITH ACI 305 AND ACI 306 WHEN WEATHER CONDITIONS DICTATE HOT OR COLD WEATHER PROVISIONS.
- CONCRETE SHALL BE A REDI-MIXED PRODUCT IN CONFORMANCE WITH APPROVED MIX DESIGN SUBMITTALS FOR EACH COMBINATION OF STRENGTH OR APPLICATION AS PREPARED BY THE SUPPLIER OR AND INDEPENDENT TESTING AGENCY.
- DO NOT USE ADMIXTURES OR CURING ACCELERATORS CONTAINING CALCIUM CHLORIDE.
- TOLERANCES AND FORMWORK SHALL BE DESIGNED, ERECTED, SUPPORTED, BRACED, AND MAINTAINED TO CONFORM WITH REQUIREMENTS OF ACI 114 AND ACI 347.
- CHAMFER EXPOSED EDGES OF CONCRETE 3/4" WHERE NOT SPECIFICALLY SHOWN OR NOTED ON STRUCTURAL OR ARCHITECTURAL DRAWINGS.
- SEE CONCRETE REINFORCING NOTES SECTION, STANDARD DETAILS AND TABLES FOR ADDITIONAL REINFORCING AND LAYOUT REQUIREMENTS.
- ALL FOOTINGS, FOUNDATIONS, PIERS, COLUMNS, AND FRAMING MEMBERS SHALL BE CENTERED UNLESS NOTED OTHERWISE.
- FOOTING STEPS SHALL BE GENERALLY LOCATED WHERE INDICATED ON THE FOUNDATION PLANS.
- PROVIDE DOWEL BARS BETWEEN MEMBERS WITH STANDARD HOOKS TO SUPPORT MEMBER AND LAP SPLICED WITH PRIMARY REINFORCING; DOWELS SHALL BE SAME SIZE AND SPACED TO MATCH PRIMARY REINFORCING UNLESS NOTED OTHERWISE.
- INSERTS, SLEEVES, OPENINGS, AND OTHER EMBEDDED ITEMS SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE LOCATED AND VERIFIED BY THE CONTRACTOR; THOSE NOT SHOWN SHALL BE INSTALLED ONLY AFTER APPROVAL BY THE EOR.
- CONTRACTOR TO LAY OUT AND SUBMIT LOCATION OF CONSTRUCTION JOINTS AND CONCRETE CONSTRUCTION FOR REVIEW AND APPROVAL. SEE STANDARD DETAILS FOR SLAB ON GRADE CONSTRUCTION, CUT JOINTS WITHIN 24 HOURS OF CONCRETE PLACEMENT, SPACED NOT MORE THAN 36 TIMES THE SLAB THICKNESS, AND AN ASPECT RATIO NOT EXCEEDING 1.5.
- UNLESS SPECIFICALLY DETAILED OR SHOWN ON THE STRUCTURAL DRAWINGS, PENETRATIONS OR OPENINGS IN SLABS AND WALL SHALL:
 - NOT EXCEED 12 INCHES IN ANY DIMENSION.
 - NOT BE LOCATED WITHIN 6 INCHES FROM AN EDGE.
 - NOT BE LOCATED WITHIN A BEAM OR COLUMN.
 - NOT BE CLOSER THAN 10 TIMES THE SLAB THICKNESS FROM A CONCENTRATED LOAD EXCEEDING 2,000 LBS.
 - WHEN PLACED IN GROUPS, SHALL BE PLACED WITH NO LESS THAN ONE PENETRATION OF OPENING DIAMETER CLEAR BETWEEN THEM.

CONCRETE REINFORCEMENT:

- CONCRETE REINFORCEMENT DETAILING AND PLACEMENT SHALL CONFORM WITH REQUIREMENTS OF ACI 315 AND CRSI MANUAL.
- SEE STANDARD DETAILS AND TABLES FOR ADDITIONAL INFORMATION RELATED TO STEEL REINFORCING COVER, LAPS, AND MISCELLANEOUS DETAILING.
- REINFORCING STEEL SHALL BE TIED, ACCURATELY PLACED, AND SUPPORTED BY STANDARD ACCESSORIES. ACCESSORY LEGS EXPOSED TO VIEW SHALL BE STAINLESS STEEL.
- REINFORCING STEEL AND EMBEDDED ITEMS SHALL BE LOCATED AND HELD IN PLACE PRIOR TO CONCRETE PLACEMENT; PLACEMENT OR PUSHING ("WET STICKING") INTO CONCRETE IS NOT ALLOWED.
- REINFORCEMENT LAP SPLICES SHALL BE CLASS B PLUS 6" AT NON-CONTACT SLICES, UNLESS NOTED OTHERWISE, AND SPLICED AT LOCATIONS SHOWN OR NOTED WITHIN THE STRUCTURAL DOCUMENTS; EXCEPTION REINFORCEMENT NOTED AS "CONTINUOUS" MAY BE SPLICED AT LOCATIONS DETERMINED BY THE CONTRACTOR.
- DO NOT WELD REINFORCING UNLESS SPECIFICALLY SHOWN ON PLANS OR WITH WRITTEN PERMISSION FROM THE EOR.
- PROVIDE (2) #5'S, ONE EACH FACE, AROUND ALL OPENINGS GREATER THAN 12"x12", AND EXTENDING 2'-0" BEYOND OPENING IN BOTH DIRECTIONS; AT CORNERS, SIMILARLY PROVIDE (2) #5x4'-0" BARS DIAGONALLY.

CAST-IN-PLACE CONCRETE FIELD QUALITY CONTROL:

- TESTING AND INSPECTING:
 - CONTRACTOR SHALL ENGAGE A QUALIFIED TESTING AND INSPECTING AGENCY TO PERFORM FIELD TESTS AND INSPECTIONS AND PREPARE TEST REPORTS.
- CONCRETE TESTS:
 - TESTING OF COMPOSITE SAMPLES OF FRESH CONCRETE OBTAINED ACCORDING TO ASTM C172 SHALL BE PERFORMED ACCORDING TO THE FOLLOWING REQUIREMENTS:
 - TESTING FREQUENCY: OBTAIN ONE COMPOSITE SAMPLE FOR EACH DAY'S POUR OF EACH CONCRETE MIXTURE EXCEEDING 5 CU. YD. (4 CU. M), BUT LESS THAN 25 CU. YD. (19 CU. M), PLUS ONE SET FOR EACH ADDITIONAL 50 CU.YD. (38 CU. M) OR FRACTION THERE OF.
 - WHEN FREQUENCY OF TESTING WILL PROVIDE FEWER THAN THREE COMPRESSIVE-STRENGTH TEST FOR EACH CONCRETE MIXTURE, TESTING SHALL BE CONDUCTED FROM AT LEAST THREE RANDOMLY SELECTED BATCHES OR FROM EACH BATCH IF FEWER THAN FIVE ARE USED.
 - SUMP: ASTM C143/C 143M: ONE TEST AT POINT OF PLACEMENT FOR EACH COMPOSITE SAMPLE, BUT NOT LESS THAN ONE TEST FOR EACH DAY'S POUR OF EACH CONCRETE MIXTURE. PERFORM ADDITIONAL TESTS WHEN CONCRETE CONSISTENCY APPEARS TO CHANGE.
 - AIR CONTENT: ASTM C231, PRESSURE METHOD, FOR NORMAL-WEIGHT CONCRETE; ONE TEST FOR EACH COMPOSITE SAMPLE, BUT NOT LESS THAN ONE TEST FOR EACH DAY'S POUR OF EACH CONCRETE MIXTURE.
 - CONCRETE TEMPERATURE: ASTM C1064/C 1064M: ONE TEST HOURLY WHEN AIR TEMPERATURE IS 40 DEG F (4.4 DEG C) AND BELOW AND WHEN 80 DEG F (27 DEG C) AND ABOVE, AND ONE TEST FOR EACH COMPOSITE SAMPLE.
 - COMPRESSION TEST SPECIMENS: ASTM C31/C31M.
 - CAST AND LABORATORY CURE TWO SETS (4 TOTAL) OF TWO STANDARD CYLINDER SPECIMENS FOR EACH COMPOSITE SAMPLE.
 - COMPRESSIVE-STRENGTH TESTS: ASTM C39/C39M: TEST ONE SET OF TWO LABORATORY-CURED SPECIMENS AT 7 DAYS AND ONE SET OF TWO SPECIMENS AT 28 DAYS.
 - A COMPRESSIVE-STRENGTH TEST SHALL BE THE AVERAGE COMPRESSIVE STRENGTH FROM A SET OF TWO SPECIMENS OBTAINED FROM SAME COMPOSITE SAMPLE AND TESTED AT AGE INDICATED.
 - WHEN STRENGTH OF FIELD-CURED CYLINDERS IS LESS THAN 85 PERCENT OF COMPANION LABORATORY-CURED CYLINDERS, CONTRACTOR SHALL VALUATE OPERATIONS AND PROVIDE CORRECTIVE PROCEDURES FOR PROTECTING AND CURING IN-PLACE CONCRETE
 - STRENGTH OF EACH CONCRETE MIXTURE WILL BE SATISFACTORY IF EVERY AVERAGE OF ANY THREE CONSECUTIVE COMPRESSIVE-STRENGTH TEST EQUALS OR EXCEEDS SPECIFIED COMPRESSIVE STRENGTH AND NO COMPRESSIVE-STRENGTH TEST VALUE FALLS BELOW SPECIFIED COMPRESSIVE STRENGTH BY MORE THAN 500 PSI (3.4 MPa).
 - TEST RESULTS SHALL BE REPORTED IN WRITING TO ENGINEER, CONCRETE MANUFACTURER, AND CONTRACTOR WITHIN 48 HOURS OF TESTING. REPORTS OF COMPRESSIVE-STRENGTH TESTS SHALL CONTAIN PROJECT IDENTIFICATION NAME AND NUMBER, DATE OF CONCRETE PLACEMENT, NAME OF CONCRETE TESTING AND INSPECTING AGENCY, LOCATION OF CONCRETE BATCH IN WORK, DESIGN COMPRESSIVE STRENGTH, AND TYPE OF BREAK FOR BOTH 7 AND 28 DAY TESTS.
 - NON DESTRUCTIVE TESTING:
 - IMPACT HAMMER, SONOSCOPE, OR OTHER NON DESTRUCTIVE DEVICE MAY BE PERMITTED BY ENGINEER BUT WILL NOT BE USED AS SOLE BASIS FOR AN APPROVAL OR REJECTION OF CONCRETE.
 - ADDITIONAL TESTS:
 - TESTING AND INSPECTING AGENCY SHALL MAKE ADDITIONAL TEST OF CONCRETE WHEN TEST RESULTS INDICATE THAT SLUMP, AIR ENTRAINMENT, COMPRESSIVE STRENGTH, OR OTHER REQUIREMENTS HAVE NOT BEEN MET, AS DIRECTED BY ENGINEER. TESTING AND INSPECTING AGENCY MAY CONDUCT TEST TO DETERMINE ADEQUACY OF CONCRETE BY CORED CYLINDERS COMPLYING WITH ASTM C42/C42M OR BY OTHER METHODS AS DIRECTED BY ENGINEER.
 - ADDITIONAL TESTING AND INSPECTING, AT CONTRACTOR'S EXPENSE, WILL BE PERFORMED TO DETERMINE COMPLIANCE OF REPLACED OR ADDITIONAL WORK WITH SPECIFIED REQUIREMENTS.
 - CORRECT DEFICIENCIES IN THE WORK THAT TEST REPORTS AND INSPECTIONS INDICATE DOES NOT COMPLY WITH THE CONTRACT DOCUMENTS.

POST INSTALLED ANCHORS:

- POST INSTALLED ANCHORS SHALL ONLY BE USED WHERE OR WHEN SPECIFIED IN THE CONTRACT DOCUMENTS.
- PRIOR APPROVAL FROM THE EOR IS REQUIRED BEFORE USING POST INSTALLED ANCHORS FOR MISSING OR MISPLACED CAST-IN ANCHORS, BOLTS, OR RODS.
- NO STEEL REINFORCEMENT SHALL BE CUT TO INSTALL ANCHORS, LOCATE PRIOR TO DRILLING HOLES.
- POST INSTALLED ANCHORS SHALL BE INSTALLED PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND MAINTAIN NECESSARY EMBEDMENT, HOLE PREPARATION, EDGE DISTANCE, AND SPACING.
- INSPECTION AND TESTING SHALL BE PER THE GENERAL NOTES AND CHAPTER 17 OF THE IBC.
- SUBSTITUTION FOR A DIFFERENT TYPE OF ANCHOR OR VENDOR IS NOT PERMITTED WITHOUT A PRIOR SUBSTITUTION REQUEST SUBMITTAL WITH JUSTIFICATION AND COMPARATIVE CAPACITY ANALYSIS FOR APPROVAL BY THE EOR.

WOOD FRAMING:

- WOOD FRAMING AND CONSTRUCTION SHALL COMPLY WITH CONSTRUCTION DOCUMENTS, APA, AND/OR TPI STANDARD. GLULAM FABRICATOR SHALL BE AITC OR APA MEMBER AND FOLLOW APPEARANCE AND GRADE SPECIFICATIONS NOTED.
- PROVIDE WOOD FRAMING FASTENING PER THE IBC FASTENING SCHEDULE. COMMON NAILS, UNLESS NOTED OTHERWISE OR RECOMMENDED BY ENGINEERED WOOD SUPPLIER. MULTI PLY MEMBERS SHALL BE FASTENED WITH (2) ROWS OF 16d NAILS AT 12" O/C; FOR MEMBERS DEEPER THAN 12", PROVIDE (3) ROWS.
- FASTENERS TO BE STAGGERED TO PREVENT SPLITTING OF WOOD FRAMING. DRILLED BOLT HOLES SHALL BE A MINIMUM OF 1/32" TO A MAXIMUM OF 1/16" LARGER THAN THE BOLT DIAMETER. CUT WASHERS SHALL BE USED WHERE BOLT HEADS, NUTS, AND LAG SCREW HEADS BEAR ON WOOD. DO NOT NOTCH OR DRILL STRUCTURAL WOOD FRAMING EXCEPT AS ALLOWED BY THE IBC.
- WOOD NAILERS SHALL BE BOLTED TO STEEL FRAMING WITH (2) ROWS OF 1/2" DIAMETER A307 BOLTS SPACED 32" O/C, STAGGERED ROWS BY ONE HALF SPACING.
- TOP PLATES SHALL BE STAGGERED 48 INCHES MINIMUM AND FASTENED PLIES WITH (16) 16d COMMON NAILS EACH SIDE OF SPLICE
- SILL PLATES SHALL BE ANCHORED TO FOUNDATIONS WITH 5/8" DIAMETER BY 7" EMBEDMENT GALVANIZED ANCHOR RODS OR 5/8" DIAMETER x 10" EMBEDMENT SIMPSON TITEN HD SCREW ANCHORS AT 48" O/C, UNLESS NOTED OTHERWISE. PROVIDE A MINIMUM 3"x3"x 0.225" PLATE WASHER ON ALL SILL PLATE ANCHOR BOLTS. THERE SHALL BE AT LEAST (2) ANCHOR BOLTS PER PIECE SPACED NOT MORE THAN 6 FEET APART, WITH (1) BOLT LOCATED NOT MORE THAN 12" OR LESS THAN 4" FROM EACH END OF EACH PIECE. (REVIEW EMBED & WASHER SIZES)
- WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED AND PROTECTED, OR NATURALLY RESISTANT TO DECAY
- BRACE INTERIOR NON-BEARING WALLS TO BLOCKING OR FRAMING ABOVE PROVIDING CLIPS ALLOWING FOR VERTICAL MOVEMENT OF THE STRUCTURE.
- PROVIDE 2x FULL HEIGHT JAMB AND KING STUDS EACH SIDE OF WALL OPENINGS EQUAL TO THE NUMBER OF HEADER PLIES UNLESS OTHERWISE NOTED.
- PROVIDE 2x FULL HEIGHT JAMB STUDS DIRECTLY BELOW GIRDER TRUSS BEARING IN ADDITION TO SOLID BLOCKING AT JOIST/TRUSS CAVITIES. NUMBER OF STUDS SHALL EQUAL THE NUMBER OF GIRDER PLIES, UNLESS OTHERWISE NOTED
- PROVIDE SOLID BLOCKING EQUAL IN SIZE/NUMBER/WIDTH OF JAMBS AT JOIST/TRUSS CAVITIES BELOW BEAM/HEADER/GIRDER BEARING LOCATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF PANELIZED WALL CONSTRUCTION. EOR TO REVIEW SUBMITTED FRAMING FOR GENERAL CONFORMANCE AND DESIGN INTENT, NOT FOR ACTUAL ENGINEERING OF PANEL OR COMPONENTS.
- LAMINATED WOOD SUPPLIER SHALL PROVIDE ALL HANGERS, HARDWARE, AND ACCESSORIES NECESSARY FOR CONNECTIONS ASSOCIATED WITH LAMINATED WOOD MEMBERS.
- WOOD TO STEEL CONNECTION, HANGERS, AND HARDWARE REQUIRED TO COMPLETE THE INSTALLATION OF LAMINATED WOOD SHALL BE FURNISHED BY THE STRUCTURAL STEEL SUPPLIER.
- SHEATHING AND/OR BRACING SHALL BE INSTALLED PRIOR TO CONSTRUCTION OF THE FLOOR OR ROOF ABOVE.
- SEE SHEAR WALL SCHEDULE AND DETAILS FOR ADDITIONAL ANCHOR ROD, HOLDOWN, AND OTHER ANCHORAGE/FASTENING REQUIREMENTS.
- SHEATHING SHEET SIZES SHALL BE 4'-0"x8'-0" (MIN) EXCEPT AT BOUNDARIES. INSTALL SHEETS WITH THE LONG DIMENSION OR STRENGTH AXIS OF THE PANEL PERPENDICULAR TO SUPPORTS AND CONTINUOUS OVER TWO OR MORE SPANS. STAGGER END JOINTS OF ADJACENT SHEETS.
- ROOF DIAPHRAGM 10 1/4" SIP PANEL CAPABLE OF 300 PLF ALLOWABLE SHEAR LOAD
- FLOOR DIAPHRAGM (BLOCKED) USE 23/32" RATED STURD-1-FLOOR T&G WITH A 24" SPAN RATING.
- FASTEN SHEATHING TO SUPPORTING MEMBERS AS FOLLOWS:
 - FLOOR SHEATHING (BLOCKED): FASTEN SHEATHING TO FLOOR FRAMING WITH A BEAD OF CONSTRUCTION ADHESIVE AND 10d RING SHANK NAILS @ 6" O/C AT BLOCKED PANEL EDGES AND AT DIAPHRAGM BOUNDARIES AND 12" O/C AT INTERMEDIATE SUPPORTS. DOUBLE LAYER DIAPHRAGMS SHALL BE INSTALLED WITH OFFSET PANEL PATTERN ONE LAYER AT A TIME WITH NAILING PATTERN SHOWN TO UNDERLYING SUPPORTS.
 - SHEARWALL SHEATHING: SEE SHEARWALL SCHEDULE



Architecture	Engineering
Interior Design	Industrial

TELEPHONE **701.461.7222**
112 No.Roberts Street, Suite 300, Fargo ND 58102
www.eapc.net

CLIENT
NEW TOWN SCHOOL DISTRICT

PROJECT DESCRIPTION
NEW TOWN FOOTBALL FIELD IMPROVEMENTS

CITY	WATFORD CITY
STATE	ND

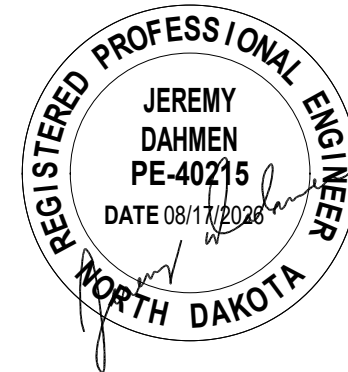
ISSUE DATES

CD	CONSTRUCTION DOCUMENTS	08/17/2026
MARK	DESCRIPTION	DATE

PROJECT NO: 20263400
DRAWN BY: TLR/JCE
CHECKED BY: JMD

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DRAWING TITLE
STRUCTURAL GENERAL NOTES

S001

DESIGN CRITERIA AND LOADS (IN ADDITION TO THOSE INDICATED ON PLANS & DETAILS)		
OCCUPANCY	BUILDING RISK CATEGORY	III
DEAD LOADS	(SUPERIMPOSED)	
	ROOF	20 PSF
	FLOOR (MAIN LEVEL)	30 PSF (20 TC/10 BC)
	FLOOR (PRESS BOX)	25 PSF (15 TC/10 BC)
LIVE LOADS		
	PRESS BOX FLOOR	60 PSF
	MAIN FLOOR AND DECK	100 PSF
	STAIRWAYS	100 PSF
	ROOF (REDUCIBLE)	20 PSF
SNOW LOAD		
	GROUND SNOW LOAD	Pg 73 PSF
	SNOW EXPOSURE FACTOR	Ce 1.00
	THERMAL FACTOR (HEATED)	Ct 1.18
	THERMAL FACTOR (UNHEATED)	Ct 1.20
	ROOF SNOW LOAD	Pf 61 PSF
	SNOW DRIFT LOAD (ADDITIVE)	SEE PLAN
	WINTER WIND PARAMETER	W2 0.45
WIND DESIGN	(STRENGTH LEVEL UON)	
MAIN WIND FORCE RESISTING SYSTEM	BASIC WIND SPEED	V 120 MPH
	EXPOSURE CATEGORY	C
	BUILDING TYPE	ENCLOSED
	INTERNAL PRESSURE COEFFICIENT	GCpi +/-0.18
	UPLIFT ROOF:	
	OVERHANG	-49 PSF
	ROOF 0-6.5'	-33 PSF
	ROOF > 6.5'	-24 PSF
COMPONENTS AND CLADDING DESIGN PRESSURE		
	Ae ≤ 10 SQFT	Ae ≥ 500 SQFT
	ZONE 1	16.00/-40.00 PSF 16.00/-40.00 PSF
	ZONE 2	16.00/-46.00 PSF 16.00/-43.00 PSF
	ZONE 2'	16.00/-56.00 PSF 16.00/-52.00 PSF
	ZONE 3	16.00/-62.00 PSF 16.00/-43.00 PSF
	ZONE 3'	16.00/-86.00 PSF 16.00/-56.00 PSF
	ZONE 4	34.00/-37.00 PSF 26.00/-28.00 PSF
	ZONE 5	34.00/-45.00 PSF 26.00/-28.00 PSF
	ZONE 1 OH	16.00/-62.00 PSF 16.00/-54.00 PSF
	ZONE 2 OH	16.00/-69.00 PSF 16.00/-57.00 PSF
	ZONE 2' OH	16.00/-78.00 PSF 16.00/-66.00 PSF
	ZONE 3 OH	16.00/-84.00 PSF 16.00/-57.00 PSF
	ZONE 3' OH	16.00/-109.00 PSF 16.00/-69.00 PSF
	a = 3'-0"	
	Ae = EFFECTIVE AREA FOR C	

GEOTECHNICAL		
	ALLOWABLE SOIL BEARING PRESSURE	fbrg 2000 PSF (ASSUMED)
	RETAINING WALL SURCHARGE	50 PSF
	LATERAL EARTH PRESSURE (PASSIVE GRANULAR)	425 PSF/FT DEPTH
	LATERAL EARTH PRESSURE (AT REST/ACTIVE, GRANULAR)	60/40 PSF/FT DEPTH
	COEFFICIENT OF FRICTION	0.30
MATERIAL STRENGTHS		
CONCRETE		
	28 DAY COMPRESSIVE STRENGTH	f'c
	FOOTINGS	4,000 PSI
	FOUNDATION WALLS/ PIERS/ WALLS/ COLUMNS/ SLABS/ BEAMS	4,000 PSI
	GROUT (NON-SHRINK / NON-METALLIC)	5,000 PSI (MIN)
	PROVIDE 6% (+/- 1.5%) ENTRAINED AIR IF EXTERIOR CONCRETE	
REINFORCING STEEL		
	REINFORCING BARS	ASTM A615 GR 60, DEFORMED
WOOD		
SAWN LUMBER	BEAMS AND STRINGERS	DFL No. 2
	STUD WALLS (BEARING)	SPF No. 2
	TOP AND BOTTOM PLATE (BEARING WALLS)	SOUTHERN PINE No. 2, TREATED
	MISCELLANEOUS FRAMING AND BLOCKING	SPF STUD GRADE
	DECK	SP No. 1 UC4A WATERBORNE PRESSURE TREATED
	JOISTS	SP No. 1 UC4A WATERBORNE PRESSURE TREATED
	POSTS AND TIMBERS & BRACING	SP No. 1 UC4A WATERBORNE PRESSURE TREATED
ENGINEERED LUMBER	MICROLAM LVL	Fb=2600 PSI & E=2000 KSI
	PARALLAM PSL	Fb=2900 PSI & E=2000 KSI
	TIMBER STRAND LSL	Fb=1700 PSI & E=1300 KSI
	GLULAM BEAM	SP 24F-V4 WATERBORNE PRESSURE TREATED UC4A
	GLULAM COLUMN	SP N2M12 WATERBORNE PRESSURE TREATED UC4A 4 LAMINATIONS
SHEATHING	WALL (SEE SHEAR WALL SCHEDULE FOR ADDITIONAL REQUIREMENTS)	7/16" APA RATED, EXPOSURE 1, 24/16 SPAN RATING
	FLOOR	3/4" APA RATED, STURD-I-FLOOR TONGUE & GROOVED, EXPOSURE 1, 24" SPAN RATING
SILL PLATE	ANCHORS	1/2"Ø SIMPSON TITEN HD SCREW ANCHORS (GALV)
POST INSTALLED ANCHORS**		
ADHESIVE ANCHORS	SIMPSON AT-3G	ANCHORAGE TO CONCRETE
CONCRETE ANCHORS	SIMPSON TITEN HD	ANCHORAGE TO CONCRETE & MASONRY
	**OR APPROVED EQUALS	

CONCRETE REINFORCING STEEL LAP SPLICE & DEVELOPMENT LENGTH SCHEDULE				
	MINIMUM LAP SPLICE LENGTHS (Ls)		MINIMUM DEVELOPMENT LENGTH (Ld)	
BAR SIZE	TOP BARS¹	OTHER BARS	TOP BARS¹	OTHER BARS
#3	2'-0"	1'-7"	1'-7"	1'-3"
#4	2'-8"	2'-1"	2'-1"	1'-7"
#5	3'-4"	2'-7"	2'-7"	2'-0"
#6	4'-0"	3'-1"	3'-1"	2'-5"
#7	5'-10"	4'-6"	4'-6"	3'-6"
#8	6'-8"	5'-2"	5'-2"	3'-11"
#9	7'-7"	5'-10"	5'-10"	4'-6"
1. HORIZONTAL BARS WITH MORE THAN 12" DEPTH OF CONCRETE CAST BELOW THEM.				
CAST IN PLACE CONCRETE (NON-PRESTRESSED) COVER				
ACI 318 - STRUCTURAL CONCRETE				
UNLESS NOTED OTHERWISE ON DRAWINGS				COVER (INCHES)
CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH				3
EXPOSED TO EARTH OR WEATHER				
	#6 THROUGH #18 BARS			
	#5 AND SMALLER			
NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND				
SLABS, WALLS, JOISTS	#14 & #18 BARS			
	#11 BARS AND SMALLER			
BEAMS, COLUMNS	PRIMARY REINFORCEMENT, TIES, STIRRUPS, SPIRALS			
	SLAB ON GRADE / SLAB ON METAL DECK			

REQUIRED SPECIAL INSPECTION OF CONCRETE CONSTRUCTION ¹		
VERIFICATION & INSPECTION	CONTINUOUS	PERIODIC
1. INSPECTION OF REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT	--	X
2. REINFORCING BAR WELDING:	--	--
A. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706	--	X
B. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"; AND	--	X
C. INSPECT ALL OTHER WELDS	X	--
3. INSPECTION OF ANCHORS CAST INTO CONCRETE	--	X
4. INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS	--	X
A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARD INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS	X	--
B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED ABOVE	--	X
5. VERIFY USE OF REQUIRED DESIGN MIX	--	X
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	X	--
7. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	X	--
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	--	X
9. INSPECTION OF PRESTRESSED CONCRETE FOR:	--	--
A. APPLICATION OF PRESTRESSING FORCED, AND	N/A	--
B. GROUTING OF BONDED PRESTRESSING	N/A	--
10. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS	--	N/A
11. VERIFICATION IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS	--	N/A
12. INSPECTION OF FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS PRIOR TO CONCRETE POUR	--	X
NOTE 1: ALL SPECIAL INSPECTIONS IN ACCORDANCE WITH CURRENT IBC AND ACI STANDARDS		

REQUIRED SPECIAL INSPECTION OF SOIL ¹		
VERIFICATION & INSPECTION	CONTINUOUS	PERIODIC
1. VERIFY MATERIAL BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE DESIGN BEARING CAPACITY	--	X
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	--	X
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS	--	X
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESS DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	X	--
5. PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	--	X
NOTE 1: ALL SPECIAL INSPECTIONS IN ACCORDANCE WITH CURRENT IBC		

REQUIRED SPECIAL INSPECTION AND TESTS FOR WIND RESISTANCE ON WIND-RESISTING COMPONENTS ¹		
TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION
1. FASTENING OF ROOF COVERING, ROOF DECK, ROOF FRAMING CONNECTIONS, EXTERIOR WALL COVERING AND WALL CONNECTIONS TO ROOF AND FLOOR DIAPHRAGM AND FRAMING	--	X
NOTE 1: ALL SPECIAL INSPECTIONS IN ACCORDANCE WITH CURRENT IBC AND ACI STANDARDS		

REQUIRED SPECIAL INSPECTION AND TESTS OF WOOD CONSTRUCTION ¹		
TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION
1. SPECIAL INSPECTION OF PREFABRICATED WOOD STRUCTURAL ELEMENTS AND ASSEMBLIES SHALL BE IN ACCORDANCE WITH SECTION 1704.2.5 OF THE IBC 2018	--	X
2. OWNER WILL ENGAGE A QUALIFIED SPECIAL INSPECTOR TO VERIFY TEMPORARY INSTALLATION RESTRAINT/BRACING AND THE PERMANENT INDIVIDUAL TRUSS MEMBER RESTRAINT/BRACING INSTALLED IN ACCORDANCE WITH THE APPROVED TRUSS SUBMITTAL PACKAGE	--	X
NOTE 1: ALL SPECIAL INSPECTIONS IN ACCORDANCE WITH CURRENT IBC AND ACI STANDARDS		

REQUIRED SPECIAL INSPECTION AND TESTS FOR WIND RESISTANCE ON STRUCTURAL WOOD ¹		
TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION
1. DURING FIELD GLUING OPERATIONS OF THE MAIN WIND FORCE-RESISTING SYSTEM	X	--
2. FOR NAILING, BOLTING, ANCHORING AND OTHER FASTENING OF ELEMENTS OF THE MAIN WIND FORCE-RESISTING SYSTEM. INCLUDING SHEAR WALLS, WOOD DIAPHRAGMS, DRAG STRUTS, BRACES AND HOLDDOWNS	--	X
NOTE 1: ALL SPECIAL INSPECTIONS IN ACCORDANCE WITH CURRENT IBC AND ACI STANDARDS		



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TELEPHONE

701.461.7222

112 No.Roberts Street, Suite 300, Fargo ND 58102

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CLIENT
NEW TOWN SCHOOL DISTRICT

PROJECT DESCRIPTION
NEW TOWN FOOTBALL FIELD IMPROVEMENTS

CITY WATFORD CITY
STATE ND

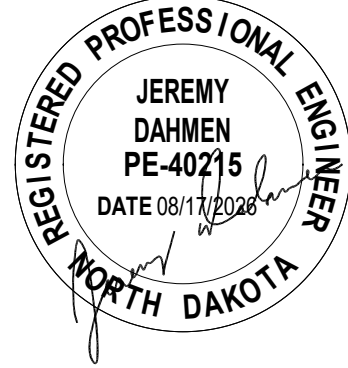
ISSUE DATES

CD	CONSTRUCTION DOCUMENTS	08/17/2026
MARK	DESCRIPTION	DATE

PROJECT NO: 20263400
DRAWN BY: TLR/JCE
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DRAWING TITLE
STRUCTURAL LOADS, MATERIAL NOTE
TABLES AND SPECIAL INSPECTION TABLES

S002

PROJECT DESCRIPTION

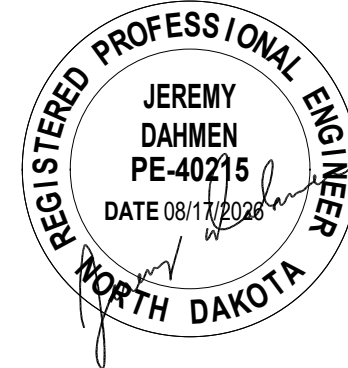
NEW TOWN FOOTBALL FIELD IMPROVEMENTS

ISSUE DATES

PROJECT NO:	20263400
DRAWN BY:	TLR/JCE
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DRAWING TITLE

STRUCTURAL LEGENDS, AND ABBREVIATIONS

S003

Q	QUANTITY
R	
R/RAD	RADIUS
RD	ROOF DRAIN
REBAR	REINFORCING BAR
REF	REFERENCE
REINF	REINFORC(ED) (ED) (ING) (EMENT)
REM	REMOVABLE
REQ	REQUIRED
RO	ROUGH OPENING
S	
S	SHAPE
SC	SOLID CORE
SCHED	SCHEDULE
SF	SQUARE FOOT
SIM	SIMILAR
SP	STRUCTURAL INSULATED PANELS
SL	SNOW LOAD
SV	SLEEVE
SOG	SLAB-ON-GRADE
SPEC(S)	SPECIFICATION(S)
SQ	SQUARE
STD	STAINLESS STEEL
STD	STANDARD
STIF	STIFFENER
STL	STEEL
STRUCT	STRUCTURE() (AL)
SYM	SYMMETRY (ICAL)
T	
TAB	TOP AND BOTTOM
TE	TOP OF BEAM ELEVATION
TCE	TOP OF COLUMN ELEVATION
TDE	TOP OF DECK ELEVATION
TEMP	TEMPERATURE/TEMPORARY
TFF	TOP OF FOOTING ELEVATION
TFF	TOP OF FINISHED FLOOR
TGE	TOP OF GRATING ELEVATION
TJ	TOP OF JOIST ELEVATION
TLE	TOP OF LEDGE ELEVATION
TME	TOP OF MASONRY ELEVATION
TO	TOP OF
TP	TOP OF PIER ELEVATION
TRANS	TRANSVERSE
TSE	TOP OF SLAB ELEVATION
TWE	TOP OF WALL ELEVATION
TY	TYPICAL
U	
UNO	UNLESS NOTED OTHERWISE
UNO	UNLESS OTHERWISE NOTED
V	
VAR	VARIABLES
VB	VAPOR BARRIER
VERT	VERTICAL
VIF	VERIFY IN FIELD
W	
W	WIDE FLANGE SHAPE
W/	WITH
W/O	WITHOUT
WD	WOOD
WL	WIND LOAD
WP	WORKING() POINT
WWT	WEIGHT/STRUCTURAL TEE
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH
SPECIAL SYMBOLS	
#	POUND
/	PER
@	AT
^	ANGLE
%	PERCENT
Ø	DIAMETER
⌀	DIAMETERLINE

Diagram illustrating the symbols and labels for a wide flange column and beam connection, showing various structural details and components:

- COLUMN GRID IDENTIFICATION (EXISTING)
- COLUMN GRID IDENTIFICATION (NEW)
- WIDE FLANGE COLUMN BEARING ON BEAM (WITH COLUMN MARK)
- BEAM SPLICE LOCATION
- BEAM FRAMING OVER TOP OF HSS COLUMN
- MEMBERS FRAMING INTO THE SIDE OF WIDE FLANGE COLUMN
- UPWARD PARABOLIC CAMBER AT MIDSPAN OF BEAM
- NUMBER OF SHEAR STUDS
- MEMBER SIZE
- TOP OF BEAM ELEVATION RELATIVE TO TYPICAL TBE
- TOP OF BEAM ELEVATION
- SHEAR END REACTION (IN KIPS) (SERVICE LEVEL)
- MOMENT CONNECTION TO COLUMN
- METAL DECK SPAN DIRECTION
- BEAM FRAMING OVER GIRDER
- BEAM FRAMING INTO SIDE OF GIRDER
- BEAM MOMENT CONNECTION TO GIRDER
- DIAGONAL BRACE
- ACTING VERTICAL
- ACTING HORIZONTAL

Figure 1: Symbols and Elevation Markings. This diagram illustrates the symbols and elevation markings used in the drawings. It includes a plan view at the top showing column grid identification (existing and new) and column marks. Below this is a cross-section view showing various elevations: top of ledge, top of wall, top of footing, and top of pier. It also shows the location of a step footing, foundation wall type (W-1), wall footing type (WF-1), and a drilled helical pier (DHP #).

SHEARWALL SCHEDULE

MARK	SHEATHING	NAILING (SIZING & SPACING)	MEMBER REQUIREMENTS AT END OF SHEARWALLS	HOLD-DOWN & ANCHOR ROD AT EACH END	SILL PLATE FASTENING
SW-1: SIDE 1	7/16" APA RATED (SPAN RATING 24/16) EXPOSURE 1 PANEL EDGES BLOCKED ATTACHED TO STUD 5/8" GYPSUM BOARD OVER BLOCKED	EDGE 8d @ 4" O/C / 6d COOLER NAILS @ 7" O/C	INTERMEDIATE 8d @ 12" O/C / 6d COOLER NAILS @ 7" O/C	6x6 DF-L No. 2	SIMPSON HDUES W/ 5/8" THREADED ROD
SW-1: SIDE 2	5/8" GYPSUM BOARD BLOCKED	6d COOLER NAILS @ 7" O/C	6d COOLER NAILS @ 7" O/C		(2) ROWS SIMPSON SDS30025 @ 6" O/C

CONTINUOUS FOOTING SCHEDULE

MARK	FOOTING SIZE		REINFORCING		REMARKS
	WIDTH	THICKNESS	LONGITUDINAL	TRANSVERSE	
WF-1	1'-4"	12"	(2) #5 CONT	-	
WF-2	2'-6"	12"	(3) #5 CONT	-	
WF-3	15'-4"	24"	#6 @ 18" O/C TOP AND BTM	#7 @ 8" O/C TOP AND BTM	16" WIDE x 2'-6" DEEP SHEAR KEY UNDERNEATH FOOTING, EXTEND I.F. VERTICAL REBAR INTO KEY, SEE DETAIL 1/S602
WF-4	15'-0"	18"	#6 @ 18" O/C TOP AND BTM	#7 @ 6" O/C TOP AND BTM	
WF-5	11'-6"	18"	#6 @ 18" O/C TOP AND BTM	#6 @ 12" O/C TOP AND BTM	12" WIDE x 2'-3" DEEP SHEAR KEY UNDERNEATH FOOTING, EXTEND I.F. VERTICAL REBAR INTO KEY, SEE DETAIL 3/S602
WF-8	7'-0"	18"	#6 @ 18" O/C TOP AND BTM	#6 @ 8" O/C TOP AND BTM	
WF-9	9'-0"	18"	#6 @ 18" O/C TOP AND BTM	#6 @ 8" O/C TOP AND BTM	
WF-10	13'-0"	18"	#6 @ 18" O/C TOP AND BTM	#6 @ 8" O/C TOP AND BTM	

WOOD COLUMN SCHEDULE

MARK	SIZE	TYPE	BASE	CAP	REMARKS
C-1	8x8	SP No. 1 LUMBER	SIMPSON ABU88Z	SIMPSON CCQ-HDG	
C-2	8 1/2"x12 3/8"	GLULAM	SIMPSON CB		
C-3	(4) 2x6	SP No. 1 LUMBER	SIMPSON HDU9-SD3.5/ABU66RZ	SIMPSON CCQ-HDG STRAPS ROTATED 90	
C-4	6x14	DF-L No. 2 LUMBER	SIMPSON MSTC66B3Z L=48"	COLUMN TO BEAM (4) SIMPSON SDWC15600 DRIVEN 2" FROM END OF MEMBER AT 45° FROM COLUMN INTO BEAM	
C-5	(3) 2x6	DF-L No. 2 LUMBER	SIMPSON MSTC48B3	SIMPSON MSTC48B3	
C-6	8x8	DF-L No. 2 LUMBER	SIMPSON HDUE9-SDS3.5 W/ 7/8" THREADED ROD SET 6" INTO FOUNDATION W/ SIMPSON AT-3G	SIMPSON HDUE9-SDS3.5/CCQ-HDG	
C-7	6x6	DF-L No. 2 LUMBER	SIMPSON HDUE5-SDS3 W/ 5/8" THREADED ROD SET 6" INTO FOUNDATION W/ SIMPSON AT-3G	SIMPSON HDUE9-SDS3.5/CCQ-HDG	

THICKENED SLAB SCHEDULE

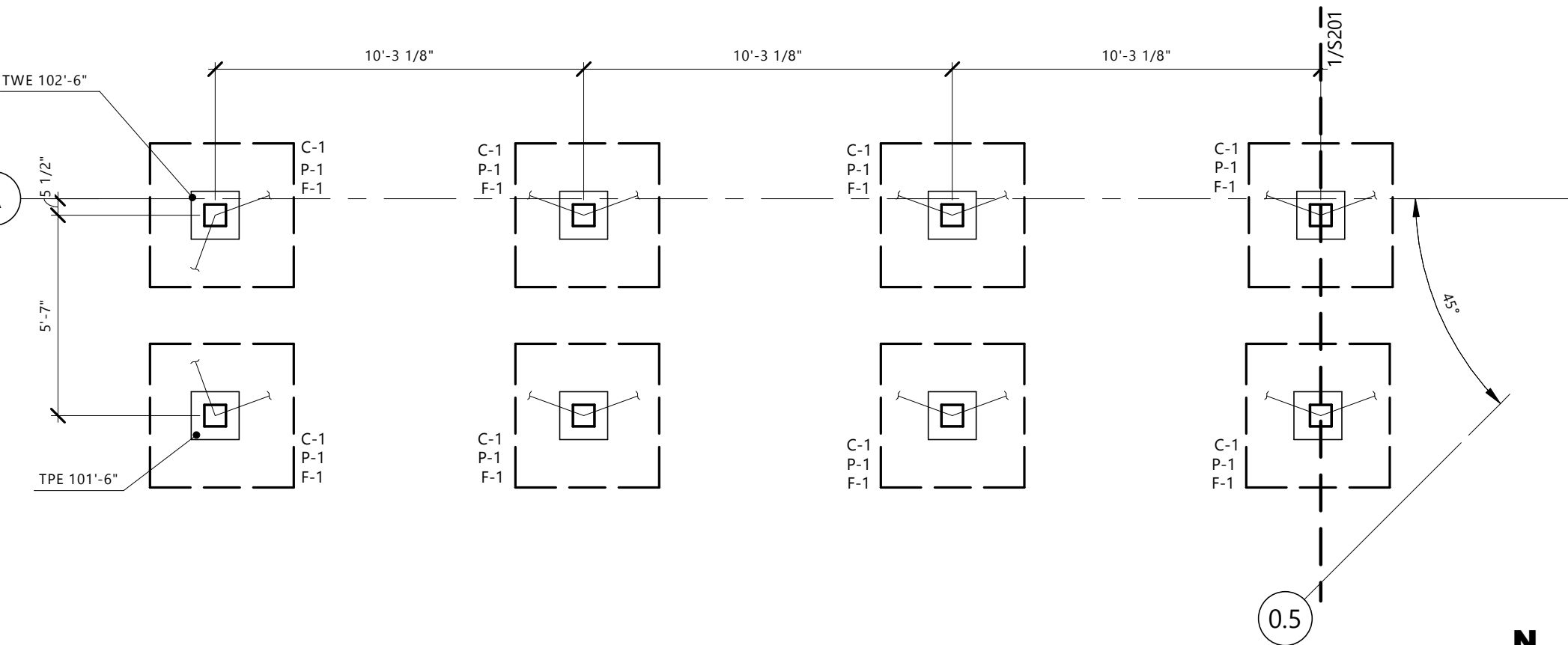
MARK	THICKENED SLAB SIZE		REINFORCING	REMARKS
	WIDTH	THICKNESS		
TS-1	5'-0"	24"	(6) #6 EACH WAY TOP & BOT	

FOUNDATION WALL SCHEDULE

MARK	WIDTH	MATERIAL	REINFORCING		REMARKS
			VERTICAL	HORIZONTAL	
W-1	8"	CONC	#5 @ 12" O/C - CENTERED	#5 @ 12" O/C - CENTERED	
W-2	10"	CONC	#5 @ 12" O/C - CENTERED	#5 @ 12" O/C - CENTERED	
W-3	1'-0"	CONC	#6 @ 8" O/C EA FACE	#6 @ 18" O/C EA FACE	
W-4	1'-0"	CONC	#7 @ 8" O/C EA FACE	#6 @ 18" O/C EA FACE	
W-5	1'-0"	CONC	#6 @ 12" O/C EA FACE	#6 @ 18" O/C EA FACE	
W-6	1'-4"	CONC	#7 @ 6" O/C EA FACE	#6 @ 18" O/C EA FACE	

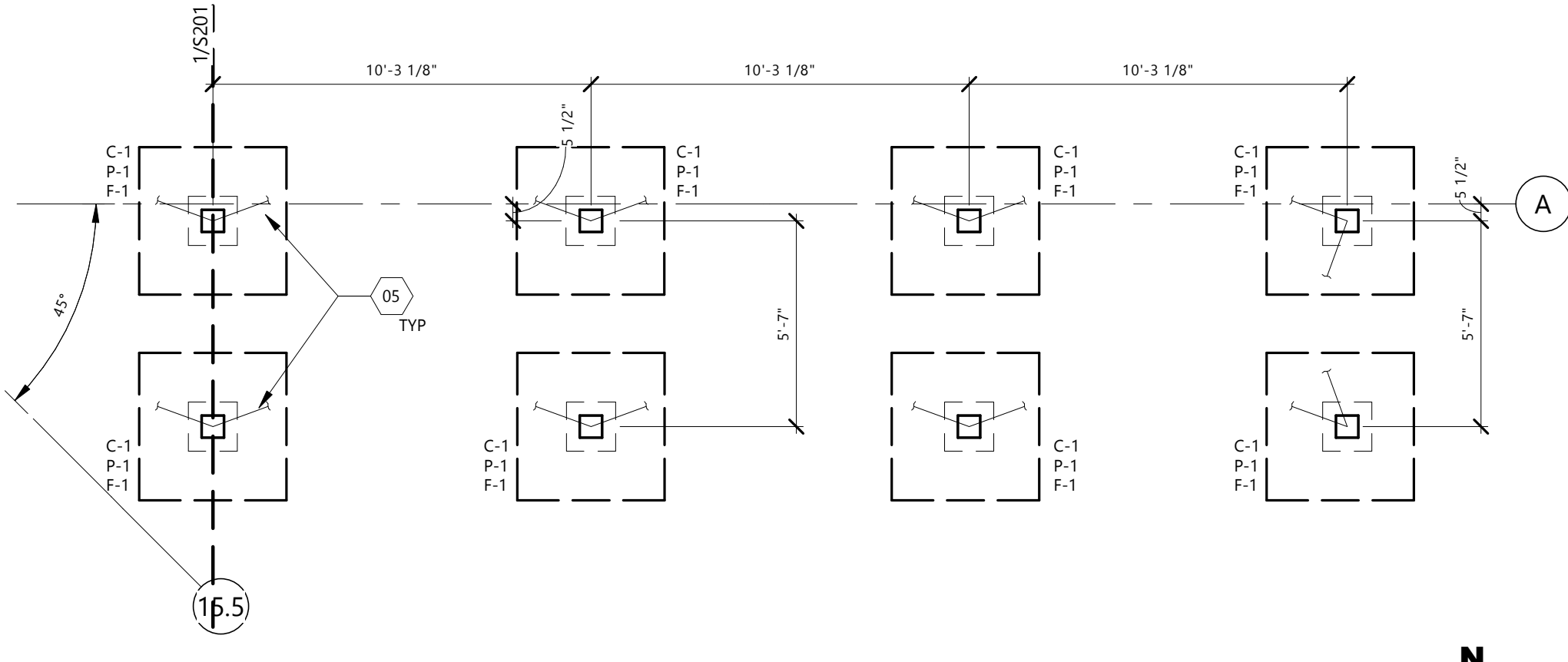
KEYNOTE LEGEND:

- ◊ < < INDICATES KEYNOTE ON PLAN
- 4" THICK CONCRETE SLAB-ON-GRADE OVER 10 MIL VAPOR BARRIER OVER 6" COMPACTED SAND DRAINAGE COURSE. REINFORCE SLAB W/ #3 @ 18" O/C EACH WAY, CENTERED IN SLAB. COORDINATE INSULATION PLACEMENT & FLOOR HEAT W/ ARCH & MECH.
 - PROVIDE 4" THICKENED WALL AT STOOP WITH DROPPED TOP OF CONCRETE FNDN WALL (-8" UON) AT EXTERIOR FACE, AND WIDEN 4" WITHIN STOOP SLAB TO PROVIDE BEARING LEDGE.
 - SEE DETAIL 10/S601 FOR COLUMN ISOLATION JOINT.
 - SAW-CUT CONTROL JOINTS. REFER TO SECTION 1/S601.
 - 4x6 X BRACING, W/ (2) 3/4" GALVANIZED BOLTS THROUGH TOP AND BOTTOM OF COLUMN AND THROUGH BOLTS AT MID BRACE INTERSECTION.
 - FULL HEIGHT CONCRETE WALL. SEE ARCH AND MECH FOR OPENING BLOCKOUTS. REFER TO S601 NOTE 7 UNDER CONCRETE REINFORCEMENT FOR REINFORCEMENT AROUND OPENINGS. INSTALL TREATED 4x8 (3.5" DEEP x 7.25" WIDE) SILL PLATE AT TOP WITH 1/2"Ø SIMPSON TITEN HD FLAT WASHER W/ 4" NOM EMBED @ 12" O/C. FASTEN EACH LAYER OF SUBFLOOR TO SILL WITH (3) STAGGERED ROWS 16d COMMON NAILS @ 6" O/C.
 - DOWEL #5 BARS 6" INTO WALL WITH SIMPSON AT 3G AND LAP WITH HORIZONTAL BARS IN WALL.
 - 2x8 TREATED PLATE NAILER TO VERTICAL EDGE OF WALL WITH 1/2"Ø SIMPSON TITEN HD FLAT WASHER W/ 4" NOM EMBED @ 12" O/C.
 - RECESSED SLAB SEE ARCH FOR LOCATION AND EXTENTS.
 - HOLD DOWN LOCATION SEE COLUMN OR SHEARWALL SCHEDULE FOR TYPE.
 - HOLD DOWN LOCATION SEE SIP PANEL DESIGN FOR TYPE.
 - FILL IN BETWEEN FOOTINGS WITH CONCRETE.
 - COORDINATE SEATING AND RETAINING FOUNDATIONS. BOTTOM OF FOUNDATIONS SHALL BE AT SAME ELEVATION. BLOCK OUT RETAINING FOUNDATION FOR SEATING FOUNDATION.



3 LOWER LEVEL FOUNDATION/SLAB PLAN - LEFT SIDE DECK

S201 1/4" = 1'-0"



2 LOWER LEVEL FOUNDATION/SLAB PLAN - RIGHT SIDE DECK

S201 1/4" = 1'-0"

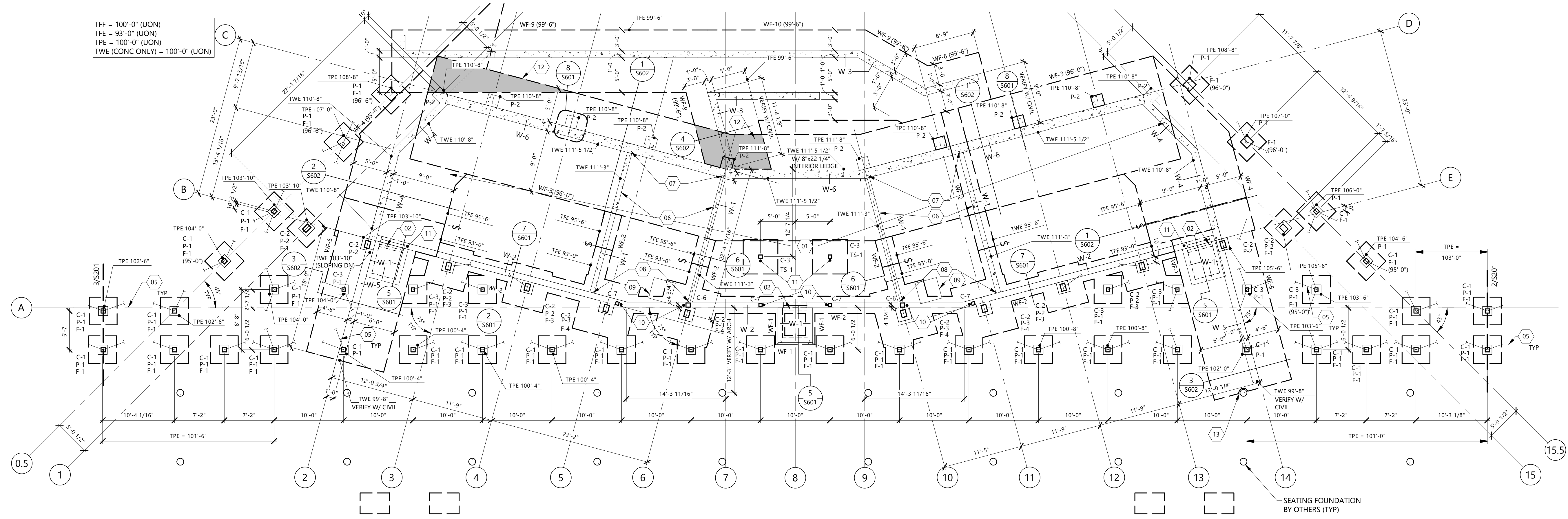
SPREAD FOOTING SCHEDULE

MARK	FOOTING		REINFORCING	REMARKS
	SIZE	THICKNESS		
F-1	4'-0" x 4'-0"	12"	(5) #5 EACH WAY TOP AND BTM	
F-3	6'-0" x 6'-0"	12"	(7) #5 EACH WAY TOP AND BTM	
F-4	8'-0" x 8'-0"	12"	(9) #5 EACH WAY TOP AND BTM	

CONCRETE PIER SCHEDULE

MARK	PIER SIZE	REINFORCING		REMARKS
		VERTICAL	TIE SIZE/SPACING	
P-1	16" x 16"	(4) #6	(2) #3 WITHIN TOP 8", REMAINDER @ 12" O/C	
P-2	20" x 20"	(8) #5	(2) #3 WITHIN TOP 8", REMAINDER @ 12" O/C	
P-3	24" x 24"	(8) #6	(2) #3 WITHIN TOP 8", REMAINDER @ 12" O/C	

- NOTES:
- CIP CONCRETE PIER CAST MONOLITHICALLY WITH FOUNDATION WALL WHERE APPLICABLE.
 - TYPICAL HORIZONTAL WALL REINFORCING TO RUN CONTINUOUS THROUGH PIER WHERE APPLICABLE.
 - PLACE PIER SUCH THAT COLUMN ANCHOR RODS & REINF ARE CONTAINED WITHIN PIER TIES.
 - BLOCKOUT FOUNDATION WALL AS REQUIRED FOR INSTALLATION OF STEEL BASE PLATE/COLUMN CONTRACTOR TO COORDINATE LAYOUTS. COORDINATE HOLD DOWNS AND EMBEDDED COLUMN BASES WITH FRAMING CONTRACTOR.
 - SEE 11/S601 FOR REINFORCEMENT AND CROSS TIE LAYOUT



1 LOWER LEVEL FOUNDATION/SLAB PLAN

S201 1/8" = 1'-0"

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TELEPHONE 701.461.7222
112 No.Roberts Street, Suite 300, Fargo ND 58102
www.eapc.net

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NEW TOWN SCHOOL
DISTRICT

PROJECT DESCRIPTION
NEW TOWN FOOTBALL
FIELD IMPROVEMENTS

CITY WATFORD CITY
STATE ND

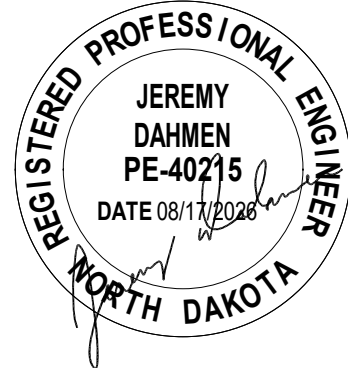
ISSUE DATES

CD	CONSTRUCTION DOCUMENTS	08/17/2026
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DRAWING TITLE
LOWER LEVEL
FOUNDATION/SLAB
PLAN

S201

SHEARWALL SCHEDULE

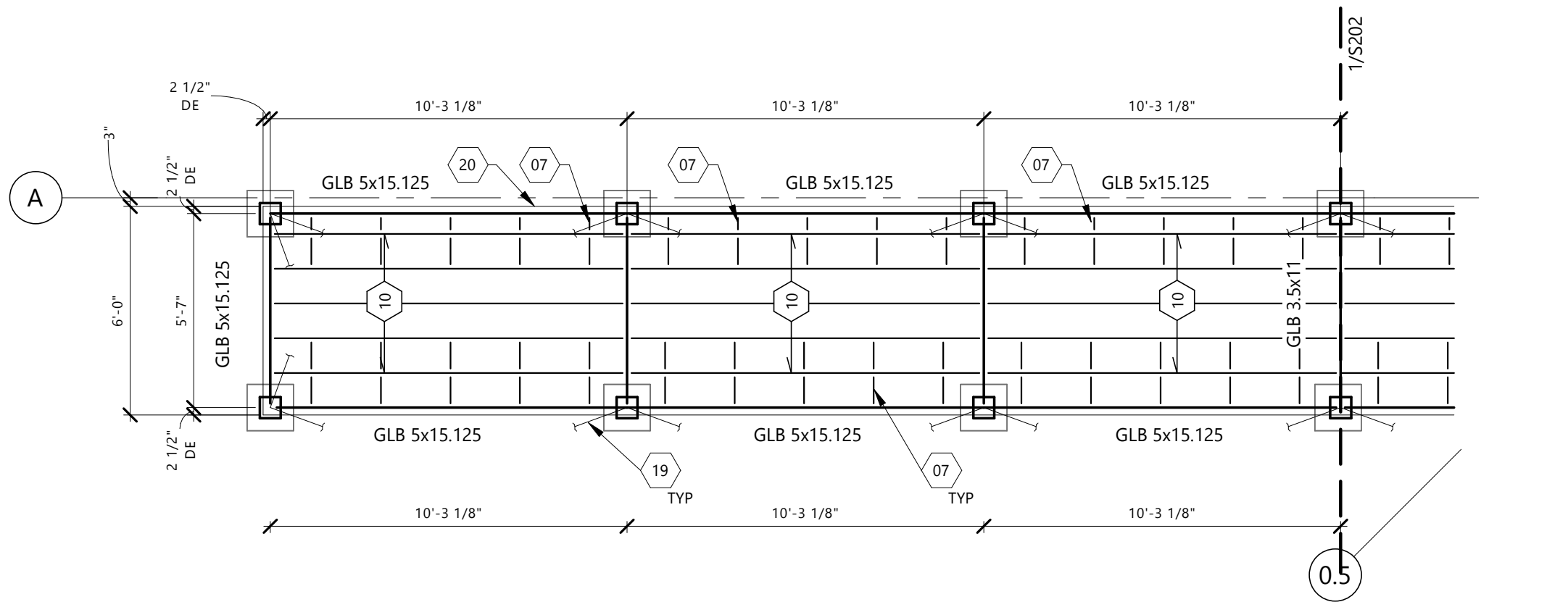
MARK	SHEATHING	NAILING (SIZING & SPACING)		MEMBER REQUIREMENTS AT END OF SHEARWALLS	HOLD-DOWN & ANCHOR ROD AT EACH END	SILL PLATE FASTENING
		EDGE	INTERMEDIATE			
SW-1: SIDE 1	7/16" APA RATED (SPAN RATING 24/16) EXPOSURE 1 PANEL EDGES BLOCKED ATTACHED TO STUD 5/8" GYPSUM BOARD OVER BLOCKED	8d @ 4" O/C / 6d COOLER NAILS @ 7" O/C	8d @ 12" O/C / 6d COOLER NAILS @ 7" O/C	6x6 DF-L No. 2	SIMPSON HDUE5 W/ 5/8" THREADED ROD	(2) ROWS SIMPSON SDS30025 @ 6" O/C
SW-1: SIDE 2	5/8" GYPSUM BOARD BLOCKED	6d COOLER NAILS @ 7" O/C	6d COOLER NAILS @ 7" O/C			

WOOD COLUMN SCHEDULE

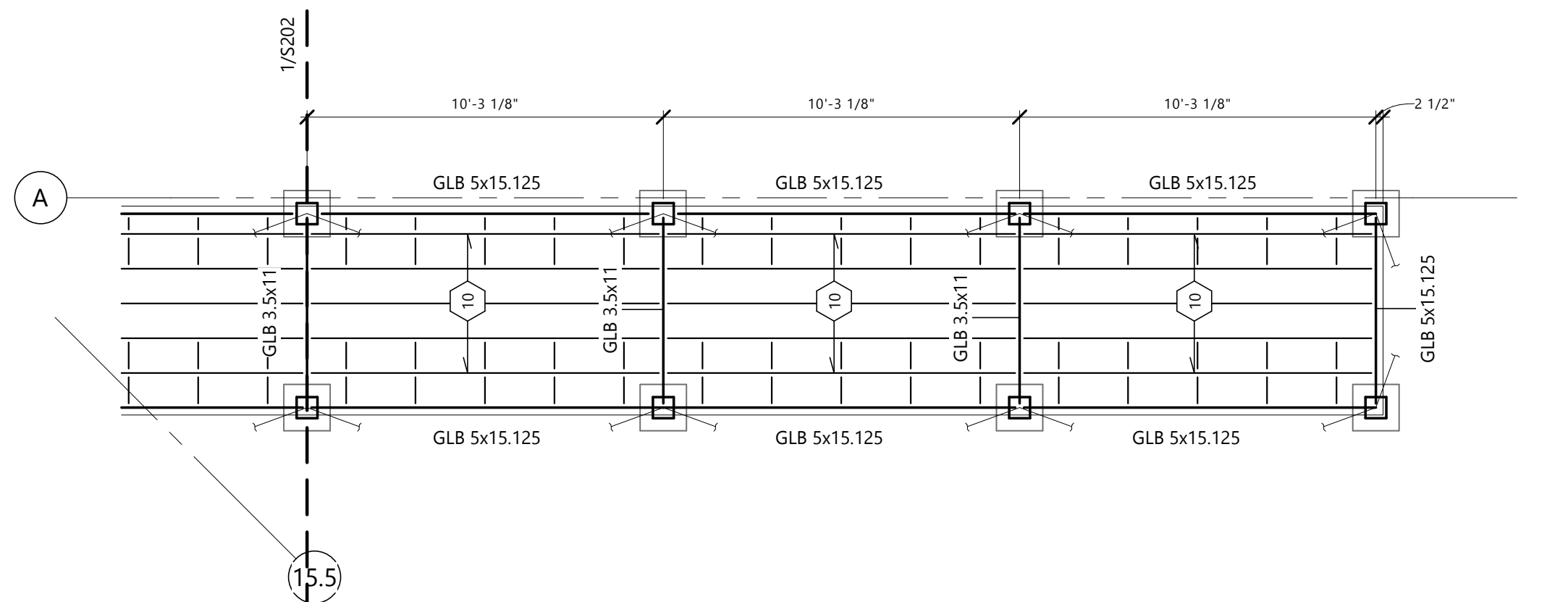
MARK	SIZE	TYPE	BASE	CAP	REMARKS
C-1	8x8	SP No. 1 LUMBER	SIMPSON ABU88Z	SIMPSON CCQ-HDG	
C-2	8 1/2"x12 3/8"	GLULAM	SIMPSON CB		
C-3	(4) 2x6	SP No. 1 LUMBER	SIMPSON HDU9-SD3.5/ABU66RZ	SIMPSON CCQ-HDG STRAPS ROTATED 90	
C-4	6x14	DF-L No. 2 LUMBER	SIMPSON MSTC66B3Z L=48"	COLUMN TO BEAM (4) SIMPSON SDWC15600 DRIVEN 2" FROM END OF MEMBER AT 45° FROM COLUMN INTO BEAM	
C-5	(3) 2x6	DF-L No. 2 LUMBER	SIMPSON MSTC48B3	SIMPSON MSTC48B3	
C-6	8x8	DF-L No. 2 LUMBER	SIMPSON HDUE9-SDS3.5 W/ 7/8" THREADED ROD SET 6" INTO FOUNDATION W/ SIMPSON AT-3G	SIMPSON HDUE9-SDS3.5/CCQ-HDG	
C-7	6x6	DF-L No. 2 LUMBER	SIMPSON HDUE5-SDS3 W/ 5/8" THREADED ROD SET 6" INTO FOUNDATION W/ SIMPSON AT-3G	SIMPSON HDUE9-SDS3.5/CCQ-HDG	

KEYNOTE LEGEND:

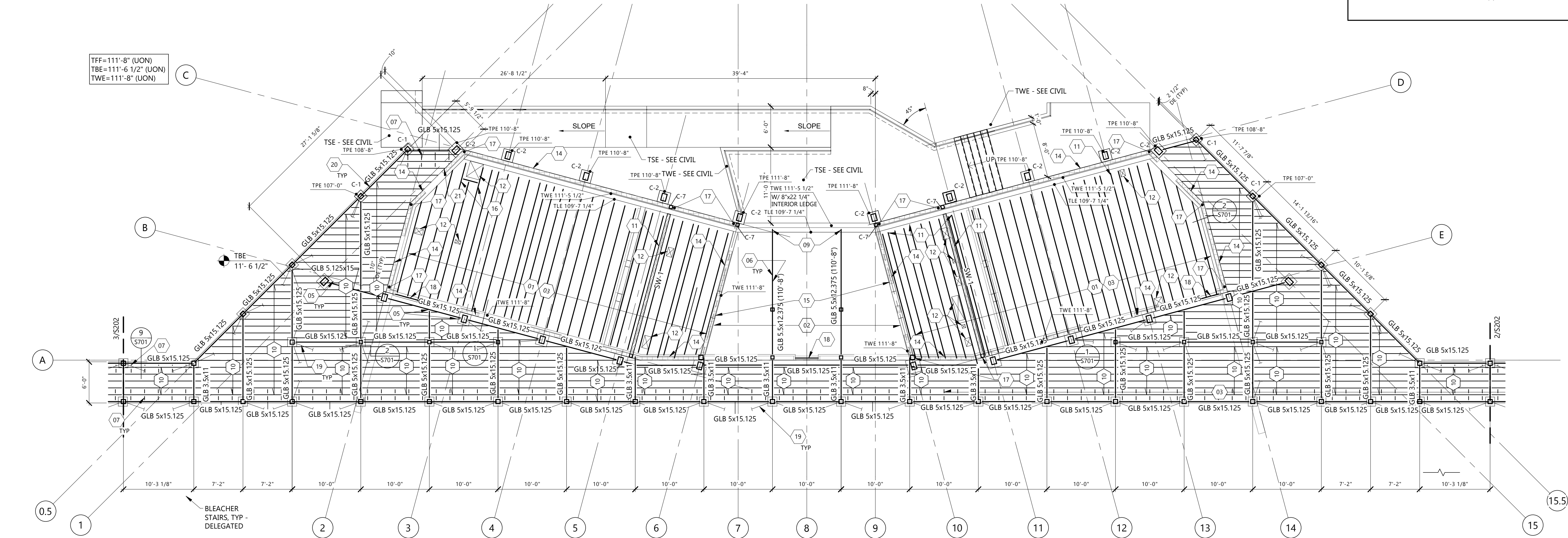
- ◻ < < INDICATES KEYNOTE ON PLAN
- 20" DEEP PRE-ENGINEERED FLOOR TRUSSES @ 19.2" O/C.
 - 10 1/4" STRUCTURAL INSULATED PANEL ROOF TYPE L SPLINE W/ 2x SLEEPER FRAMING AND PEDESTAL DECK SYSTEM
 - (2) LAYERS 3/4" TONGUE AND GROOVE APA RATED (SPAN RATING 48/24) STURD-I-FLOOR SHEATHING (BLOCKED). SEE S001 FOR SHEATHING FASTENING REQUIREMENTS
 - SIMPSON HDUE AT COLUMN ABOVE AND BELOW FLOOR. SEE COLUMN SCHEDULE FOR SIZE
 - SIMPSON CBH (GALVANIZED) AT BEAM TO GLULAM COLUMN & BEAM TO BEAM CONNECTIONS.
 - (1) 2x10 SP No. 1 LEDGER ATTACH TO GLULAM WITH (2) HORIZONTAL ROWS SIMPSON SDS25300 SPACED 6" O/C. EACH SIDE STAGGERED
 - INSTALL 2x10 BLOCKING SPACED 2' O/C IN FIRST 2 JOIST SPACES WHERE GUARD RAIL INSTALLED. ATTACH BLOCKING TO JOIST WITH SIMPSON LUS28
 - NOT USED
 - BEAM BEARING WITH SIMPSON HGLB IN WALL
 - 2x10 SP No1 JOISTS @ 12" O/C. PRESSURE TREATED LUMBER (USE CATEGORY UC4A) W/ SIMPSON LUS28 TYP & SIMPSON HU28 AS NEEDED AT SKEW LOCATIONS.
 - TRUSS SUPPLIER ADD FLOOR TRUSS AND SHIFT LOCATION AS NEEDED FOR PLUMBING OR MECHANICAL
 - MECH OPENING - VERIFY LOCATION AND EXACT SIZE WITH MECH. FASTEN SHEATHING W/ EDGE NAILING PATTERN AND BLOCKING SUPPORTED BY ADJACENT TRUSSES AROUND OPENING. TRUSS SUPPLIER ADD TRUSS AS NEEDED TO MAINTAIN SPACING
 - NOT USED
 - 6 1/2" STRUCTURAL INSULATED PANEL WALL
 - (2) 2x LEDGER FASTENED TO CONC WALL W/ 3/4"Ø SIMPSON TITEN HD NOM EMBED 5" SPACED @ 12" O/C MIN 2" ABOVE MECHANICAL OPENINGS. TOP OF LEDGER EL = 109'-11 3/4".
 - PRE-ENGINEERED FLOOR TRUSS GIRDER
 - HOLD-DOWN LOCATION. SEE COLUMN OR SHEARWALL SCHEDULE FOR TYPE
 - SIP HEADER DESIGN BY SIP SUPPLIER
 - 4x6 X-BRACING W/ (2) 3/4" GALVANIZED BOLTS THROUGH TOP AND BOTTOM OF COLUMN WITH BLOCK AND THROUGH BOLTS AT MID BRACE INTERSECTION.
 - GUARD-RAIL - SEE ARCH - ATTACH TO OUTSIDE OF DECK BEAM. DESIGN AND CONNECTION BY SUPPLIER.
 - HOLD-FLOOR TRUSS BACK FOR (1) 3"x20" SOLID RIM NAILER FOR DECK ATTACHMENT



3 MAIN LEVEL FRAMING PLAN - LEFT SIDE DECK
1/4" = 1'-0"



2 MAIN LEVEL FRAMING PLAN - RIGHT SIDE DECK
1/4" = 1'-0"



1 MAIN LEVEL FRAMING PLAN - MAIN BUILDING
1/8" = 1'-0"



Architecture	Engineering
Interior Design	Industrial

TELEPHONE 701.461.7222

112 No.Roberts Street, Suite 300, Fargo ND 58102

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NEW TOWN SCHOOL DISTRICT

PROJECT DESCRIPTION
NEW TOWN FOOTBALL FIELD IMPROVEMENTS

CITY WATFORD CITY
STATE ND

ISSUE DATES

CD	CONSTRUCTION DOCUMENTS	08/17/2026
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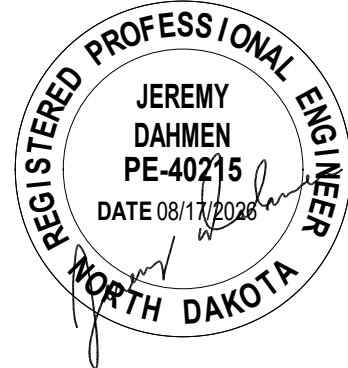
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DRAWING TITLE
MAIN LEVEL FRAMING PLAN

S202

WOOD COLUMN SCHEDULE					
MARK	SIZE	TYPE	BASE	CAP	REMARKS
C-1	8x8	SP No. 1 LUMBER	SIMPSON ABU88Z	SIMPSON CCQ-HDG	
C-2	8 1/2"x12 3/8"	GLULAM	SIMPSON CB		
C-3	(4) 2x6	SP No. 1 LUMBER	SIMPSON HDU9-SD3.5/ABU66RZ	SIMPSON CCQ-HDG STRAPS ROTATED 90	
C-4	6x14	DF-L No. 2 LUMBER	SIMPSON MSTC66B3Z L=48"	COLUMN TO BEAM (4) SIMPSON SDWC15600 DRIVEN 2" FROM END OF MEMBER AT 45° FROM COLUMN INTO BEAM SIMPSON MSTC48B3	
C-5	(3) 2x6	DF-L NO. 2 LUMBER	SIMPSON MSTC48B3		
C-6	8x8	DF-L NO. 2 LUMBER	SIMPSON HDUE9-SDS3.5 W/ 7/8" THREADED ROD SET 6" INTO FOUNDATION W/ SIMPSON AT-3G	SIMPSON HDUE9-SDS3.5/CCQ-HDG	
C-7	6x6	DF-L NO. 2 LUMBER	SIMPSON HDUE5-SDS3 W/ 5/8" THREADED ROD SET 6" INTO FOUNDATION W/ SIMPSON AT-3G	SIMPSON HDUE9-SDS3.5/CCQ-HDG	

WOOD BEAM SCHEDULE			
MARK	SIZE	MATERIAL	REMARKS
B-1	5 1/2" x 20"	GLB	
B-2	8 1/2" x 27 1/2"	GLB	
B-3	(3) 2x10	DF-L LUMBER	SEE 7/5701
B-4	5 1/2" x 1'-11 3/8"	GLB	

- NOTES:
1. VERIFY WITH ARCH/MECH FOR HEADER LENGTH.
 2. TYPICAL BOTTOM OF HEADER ELEVATION AT TOP OF OPENING. SEE ARCH/MECH FOR OPENINGS. UON ON PLAN IN PARENTHESIS AS TOP OF HEADER ELEVATION.

KEYNOTE LEGEND:	
	< < < INDICATES KEYNOTE ON PLAN
01	20" DEEP PRE-ENGINEERED FLOOR TRUSSES @ 19.2" O/C.
02	3/4" TONGUE AND GROOVE APA RATED (SPAN RATING 48/24) STURD-I-FLOOR SHEATHING (BLOCKED). SEE S001 FOR FASTENING REQUIREMENTS.
03	PRE-ENGINEERED FLOOR TRUSS GIRDER
04	MECH OPENING - VERIFY LOCATION AND EXACT SIZE WITH MECH. FASTEN SHEATHING WITH EDGE NAILING PATTERN AND BLOCKING SUPPORTED BY ADJACENT TRUSSES AROUND OPENING. TRUSS SUPPLIER ADD TRUSS AS NEEDED TO MAINTAIN SPACING
05	1 3/4" x 18" LVL STAIR STRINGER
06	6 1/2" STRUCTURAL INSULATED PANEL WALL
07	SIMPSON HDUE AT COLUMN ABOVE AND BELOW FLOOR. SEE COLUMN SCHEDULE FOR SIZE
08	(2) 1/2"x20"x20" GALV SHEAR TRANSFER PLATES W/ (5) 1/2"Ø THROUGH BOLTS AND (14) SIMPSON SDS25200 -SEE 8/5701
09	SIP HEADER DESIGN BY SIP SUPPLIER

- NOTES:
- FLOOR DIAPHRAGM LATERAL FORCES GIVEN FOR SIP
SHEAR WALL DESIGN AS STRENGTH LEVEL
- X.Xk



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PROJECT NO: 20263400

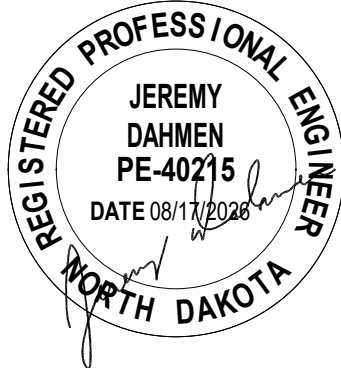
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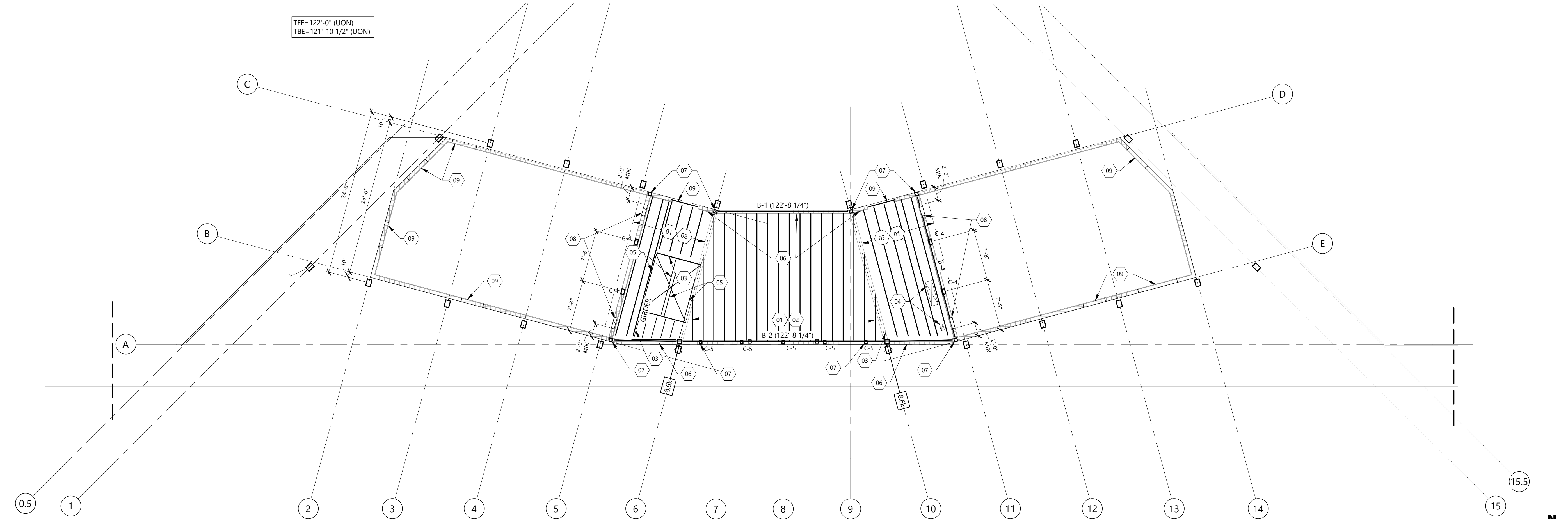
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DRAWING TITLE

PRESS BOX FLOOR FRAMING PLAN

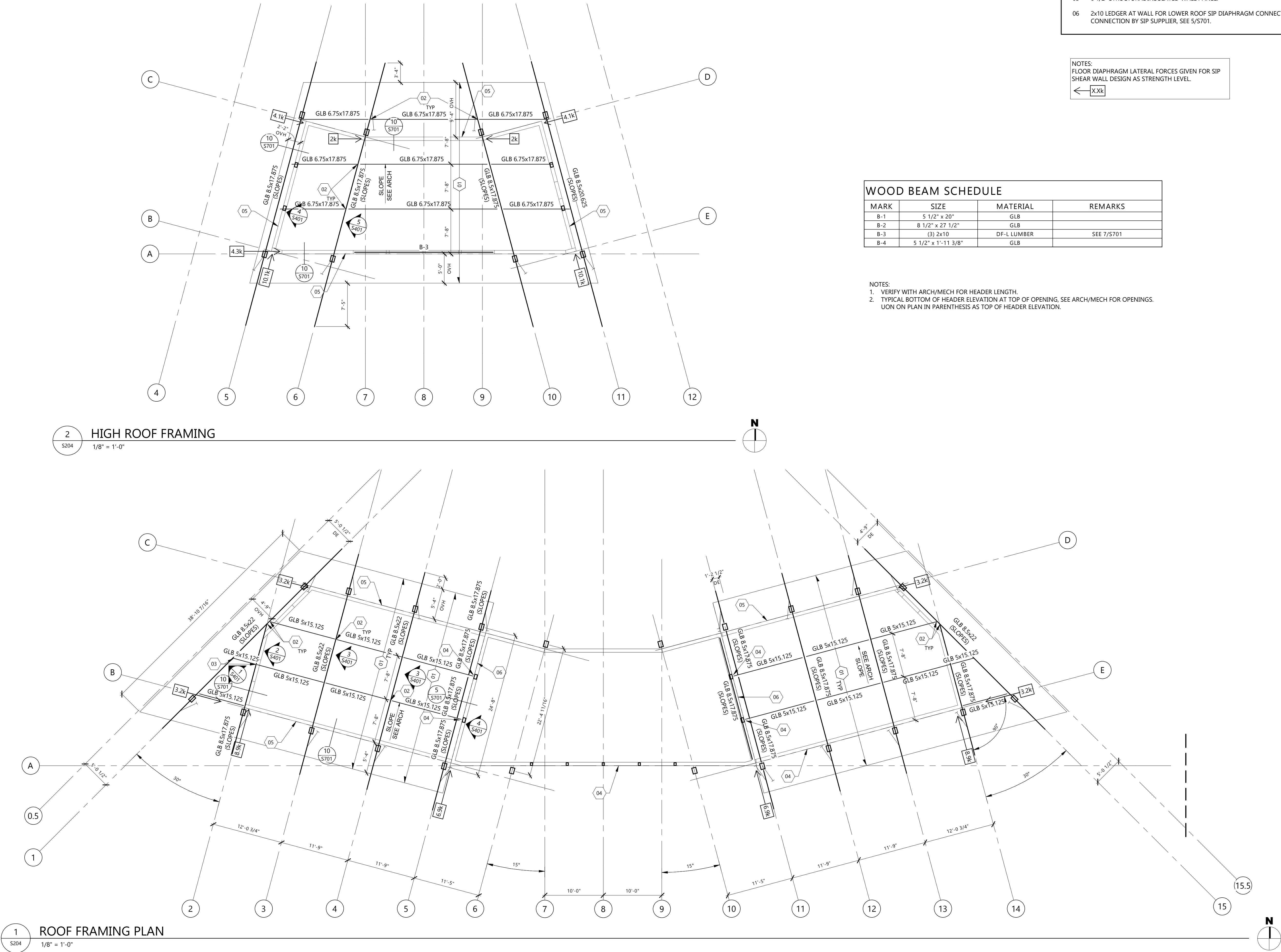
S203



1 PRESS BOX FLOOR FRAMING PLAN

5203 1/8" = 1'-0"

Revit Version: 2025
Plot Date: 8/18/2025, 10:28:59 AM



KEYNOTE LEGEND:	
01	10 1/4" STRUCTURAL INSULATED ROOF PANEL L-SPLINE.
02	HIDDEN FASTENER OR CONNECTOR BY OTHERS.
03	NOT USED
04	INVERTED FLANGE FACE MOUNT HANGER BY OTHERS.
05	6 1/2" STRUCTURAL INSULATED WALL PANEL.
06	2x10 LEDGER AT WALL FOR LOWER ROOF SIP DIAPHRAGM CONNECTION. CONNECTION BY SIP SUPPLIER, SEE 5/S701.

NOTES:
FLOOR DIAPHRAGM LATERAL FORCES GIVEN FOR SIP
SHEAR WALL DESIGN AS STRENGTH LEVEL.

WOOD BEAM SCHEDULE			
MARK	SIZE	MATERIAL	REMARKS
B-1	5 1/2" x 20"	GLB	
B-2	8 1/2" x 27 1/2"	GLB	
B-3	(3) 2x10	DF-L LUMBER	SEE 7/S701
B-4	5 1/2" x 1'-11 3/8"	GLB	

- NOTES:
1. VERIFY WITH ARCH/MECH FOR HEADER LENGTH.
 2. TYPICAL BOTTOM OF HEADER ELEVATION AT TOP OF OPENING, SEE ARCH/MECH FOR OPENINGS. UON ON PLAN IN PARENTHESIS AS TOP OF HEADER ELEVATION.

Architecture

Engineering

Interior Design

Industrial

TELEPHONE

701.461.7222

112 No.Roberts Street, Suite 300, Fargo ND 58102

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NEW TOWN SCHOOL DISTRICT

PROJECT DESCRIPTION
NEW TOWN FOOTBALL FIELD IMPROVEMENTS

CITY WATFORD CITY
STATE ND

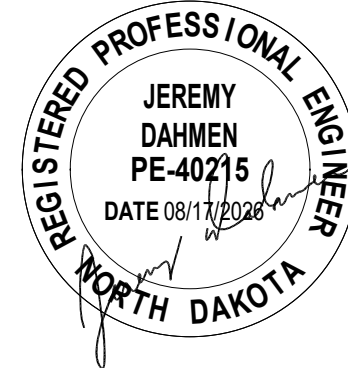
ISSUE DATES

CD	CONSTRUCTION DOCUMENTS	08/17/2026
MARK	DESCRIPTION	DATE

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DRAWING TITLE
ROOF FRAMING PLAN

S204

KEYNOTE LEGEND:

< < INDICATES KEYNOTE ON PLAN

01

GLUE-LAMINATED BEAM - SEE PLAN.

02

GLUE-LAMINATED COLUMN - SEE PLAN.

03

GLUE-LAMINATED JOIST.

04

GLUE-LAMINATED BRACE.

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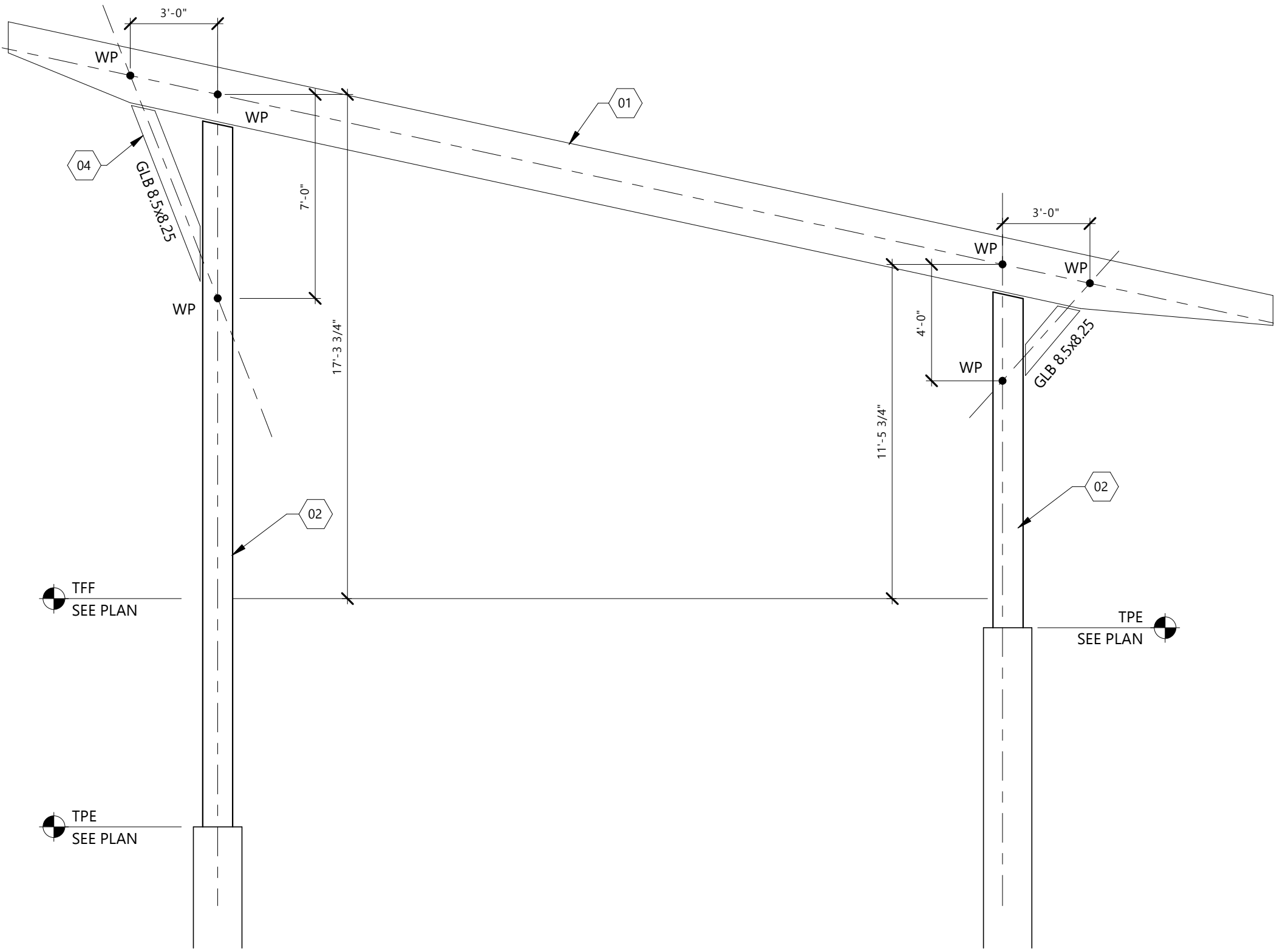
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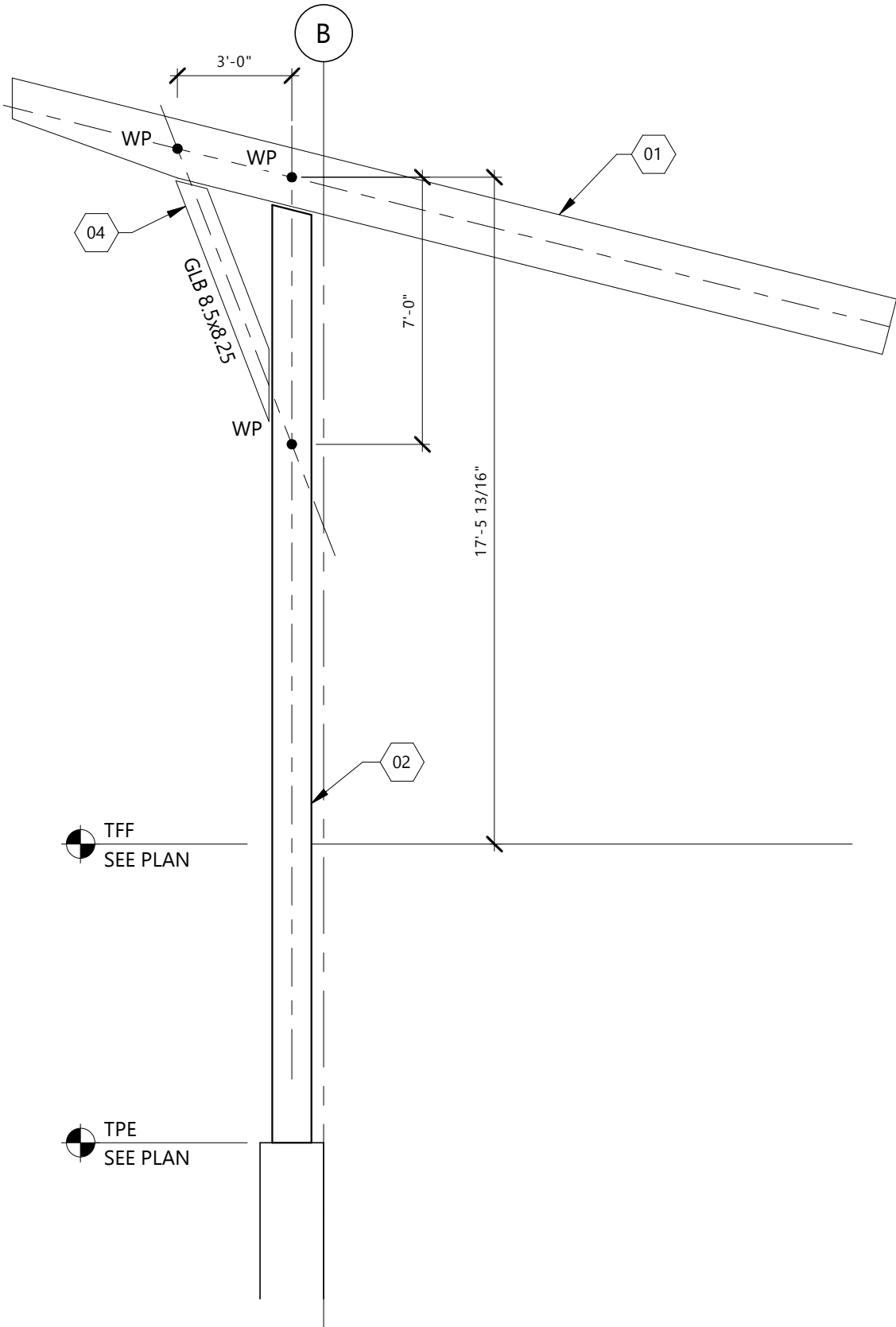


DRAWING TITLE
FRAMING ELEVATIONS

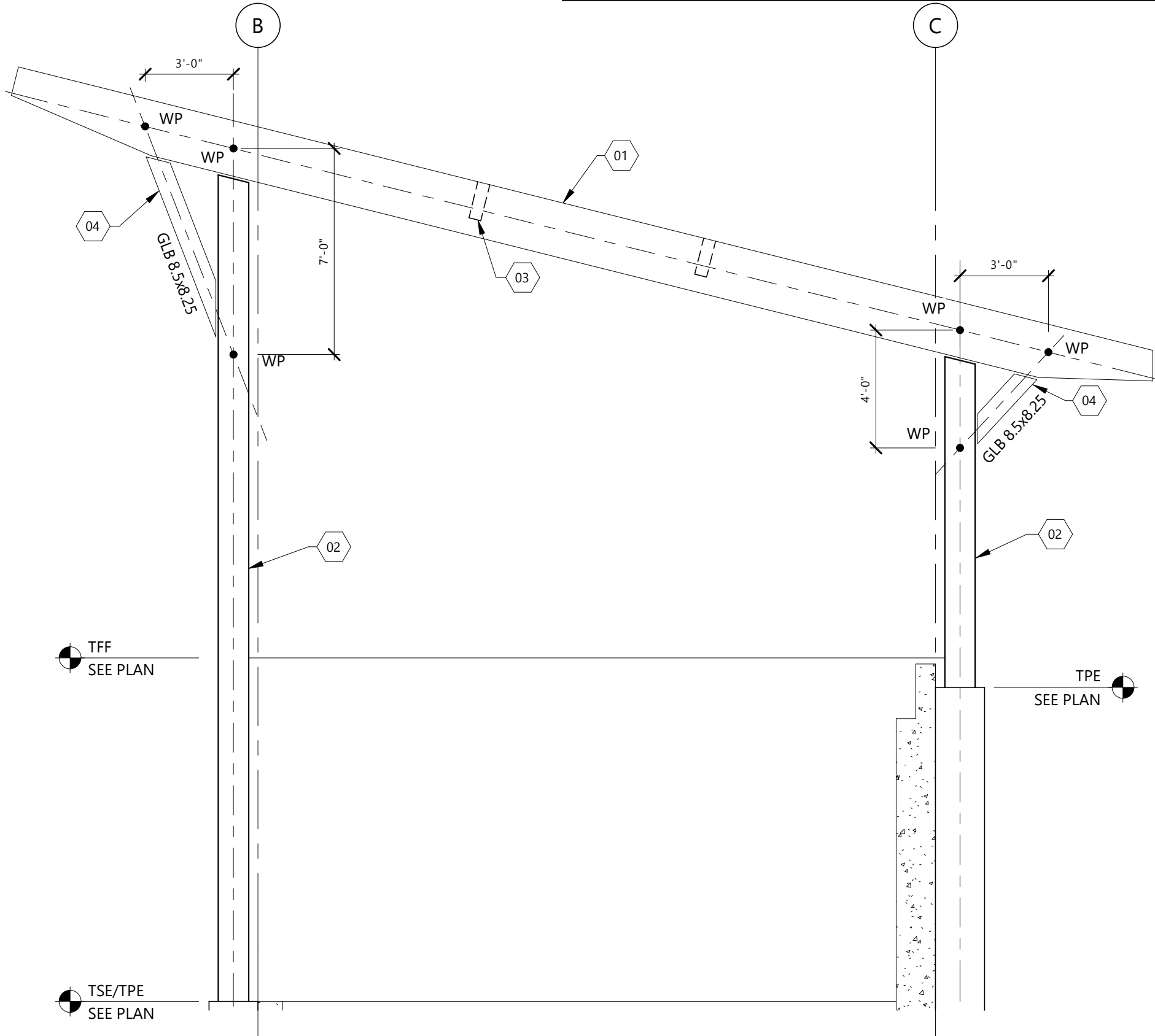
S401



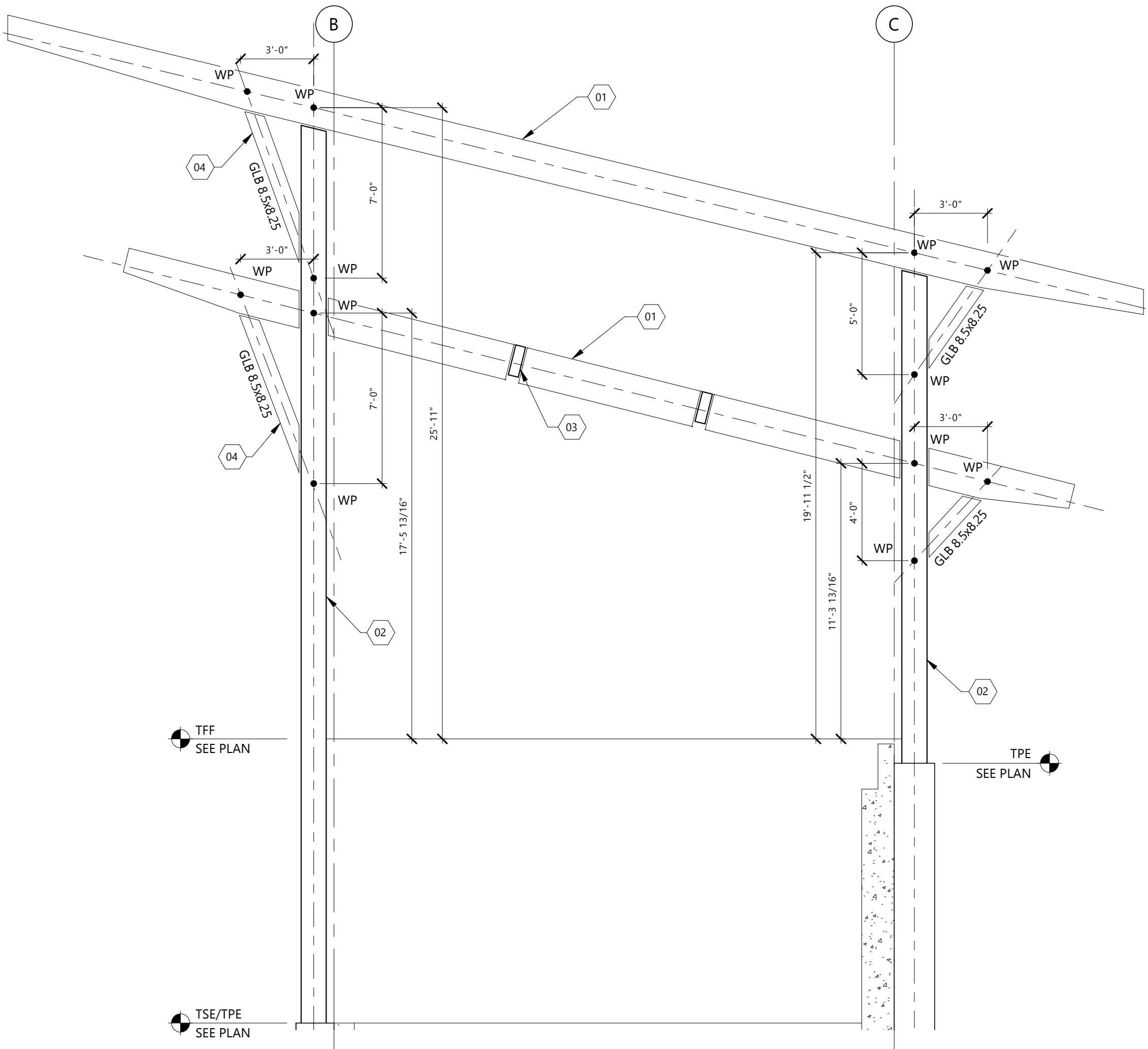
1 FRAMING ELEVATION @ GRIDS 1 & 15
S401 1/4" = 1'-0"



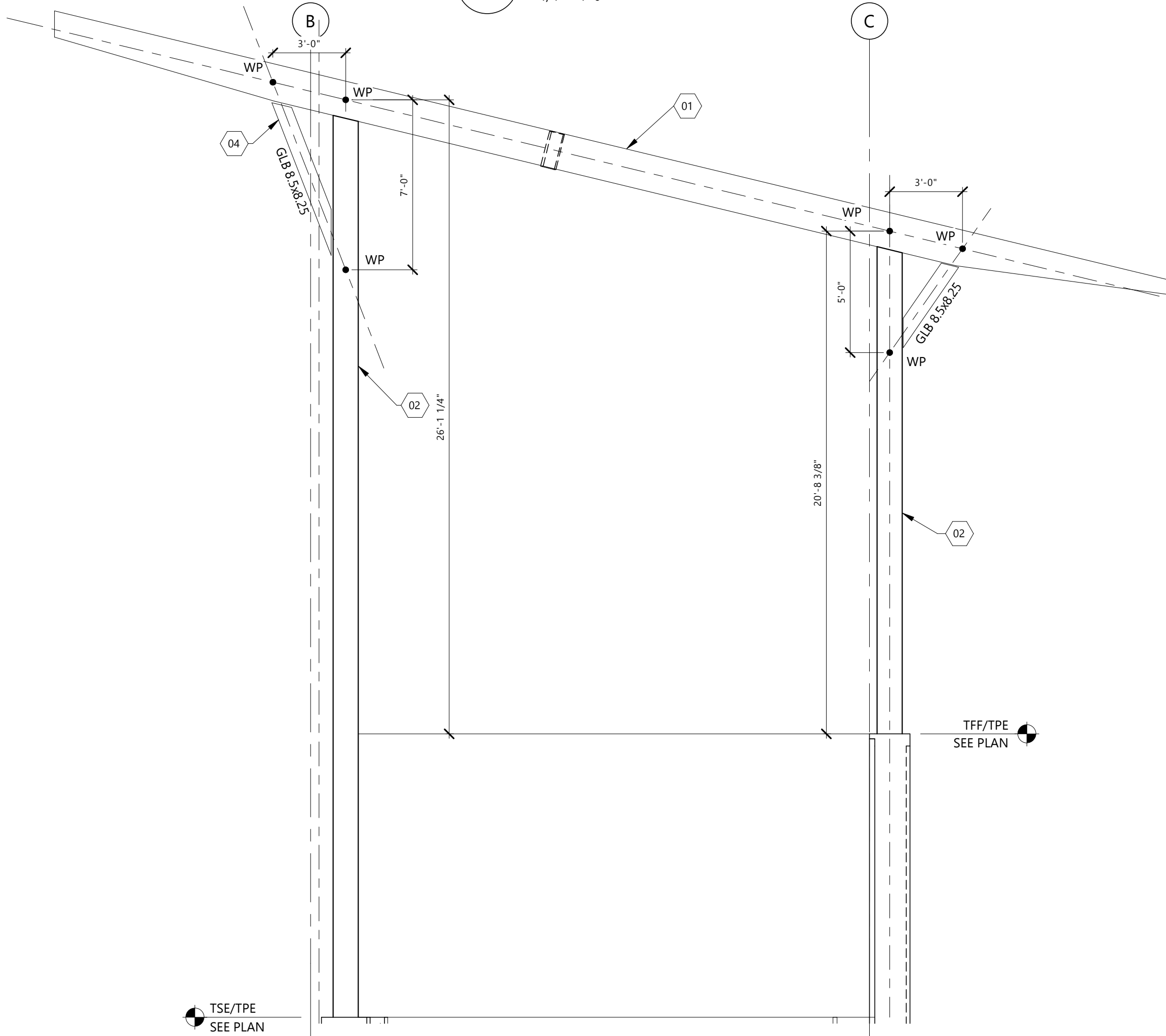
2 FRAMING ELEVATION @ GRIDS 2 & 14
S401 1/4" = 1'-0"



3 FRAMING ELEVATION @ GRIDS 3, 4, 12 & 13
S401 1/4" = 1'-0"



4 FRAMING ELEVATION @ GRIDS 5 & 11
S401 1/4" = 1'-0"



5 FRAMING ELEVATION @ GRIDS 6 & 10
S401 1/4" = 1'-0"

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NEW TOWN FOOTBALL
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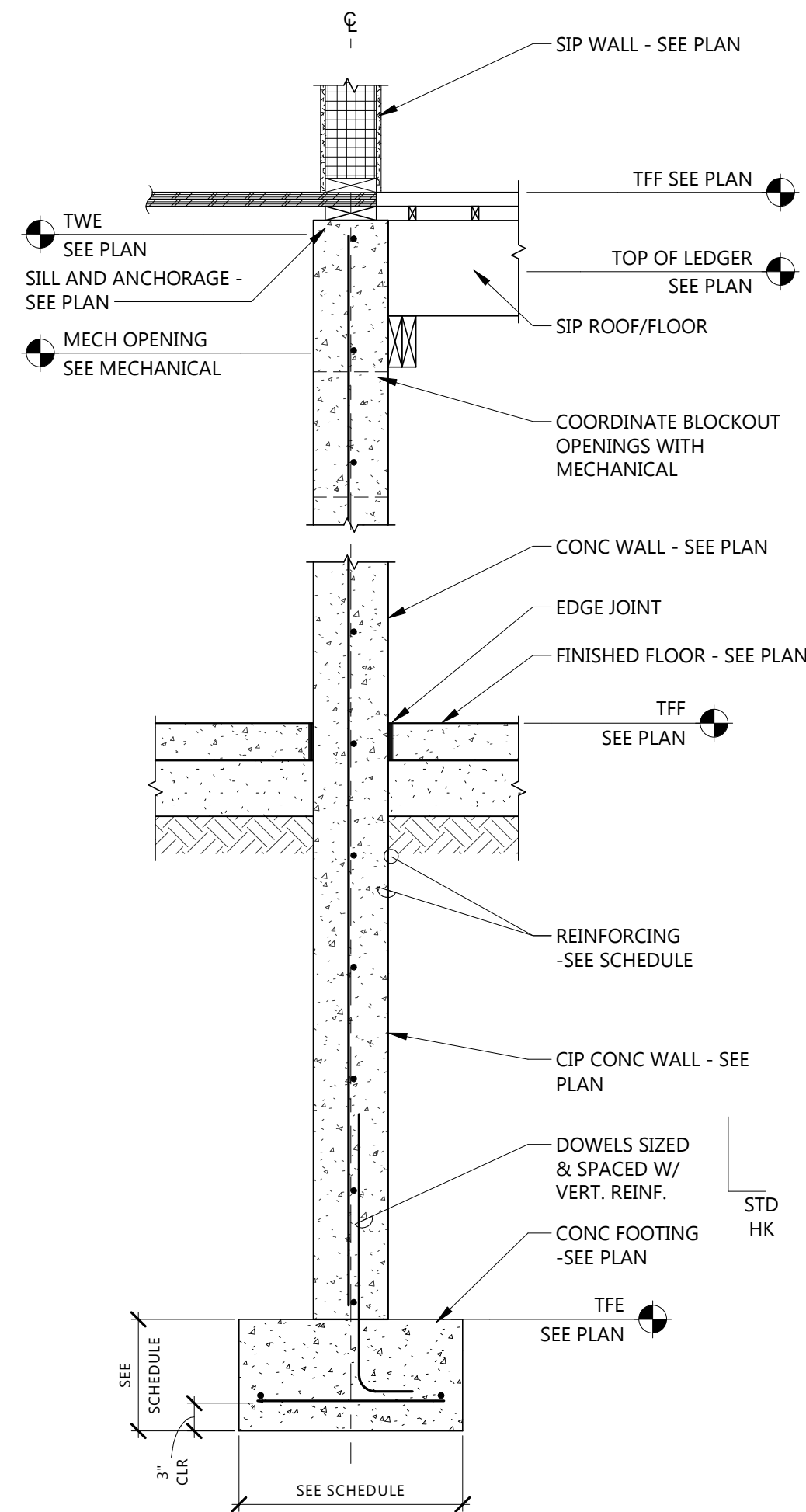
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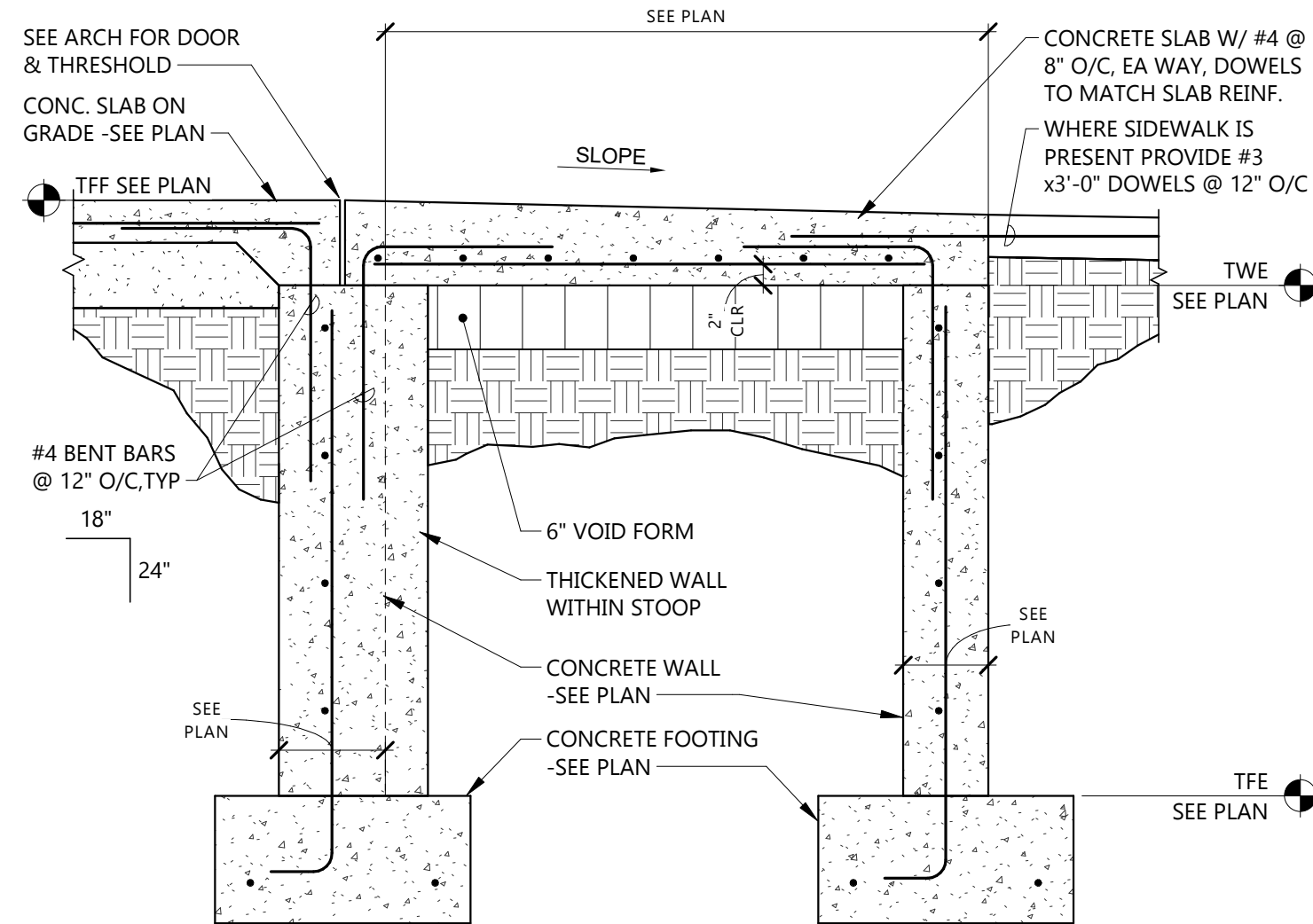


DRAWING TITLE
FOUNDATION DETAILS

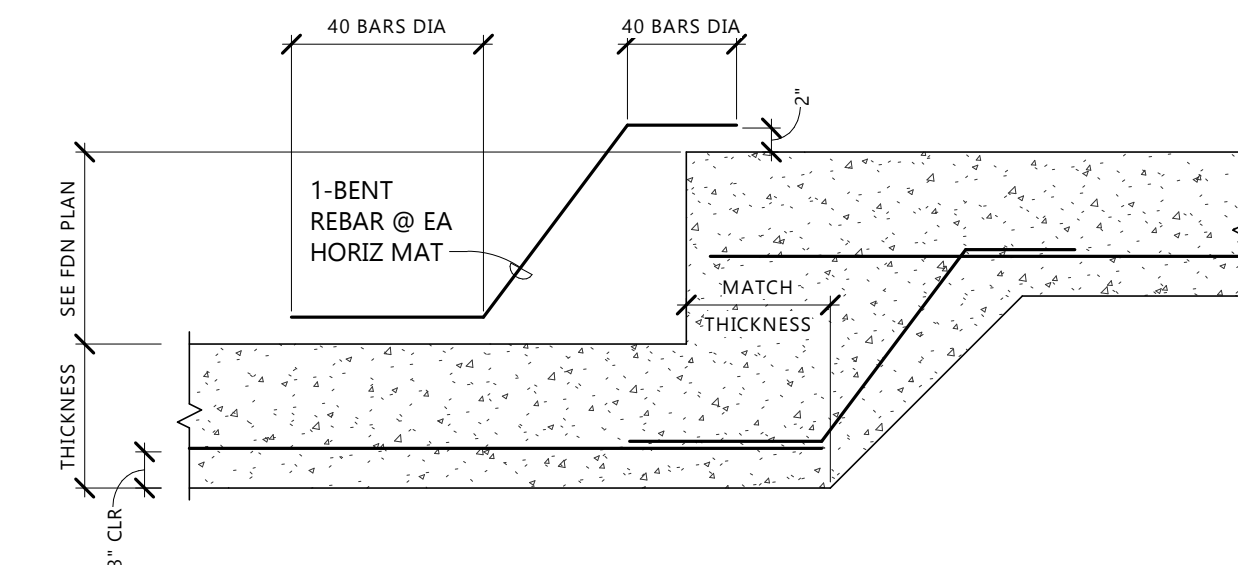
S601



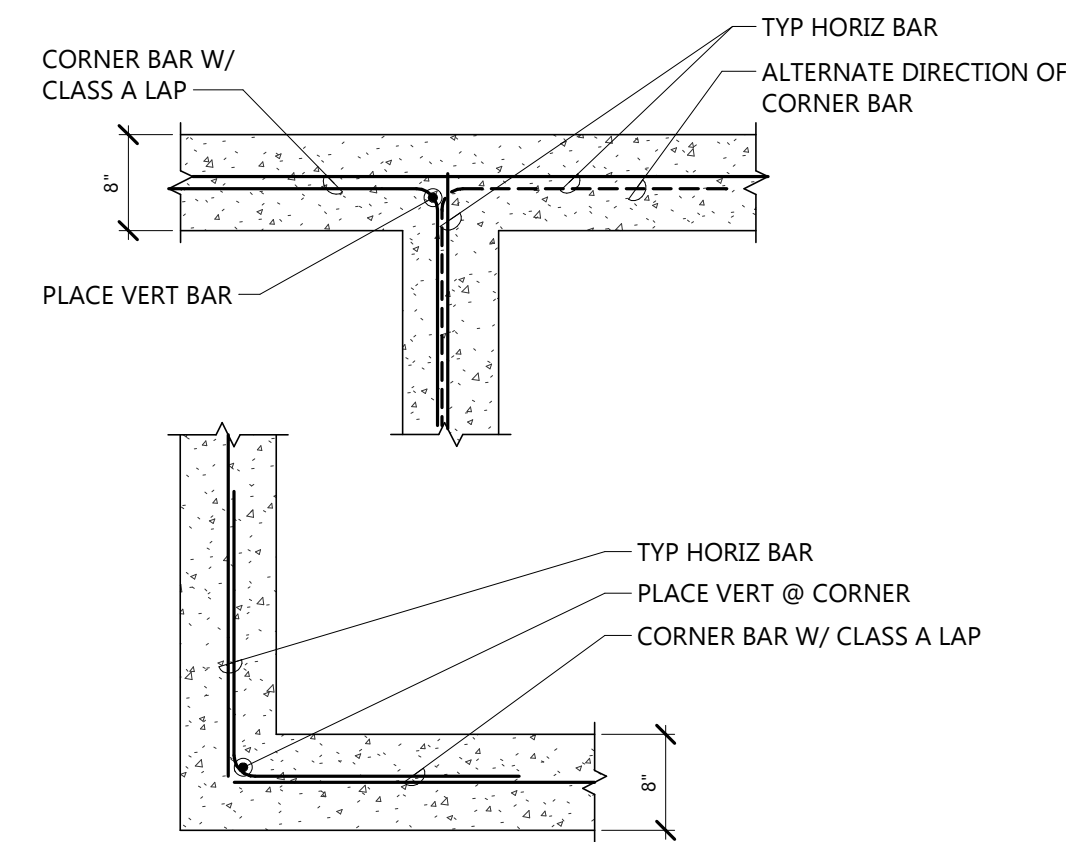
6 FOUNDATION WALL @ STUD WALL
3/4" = 1'-0"



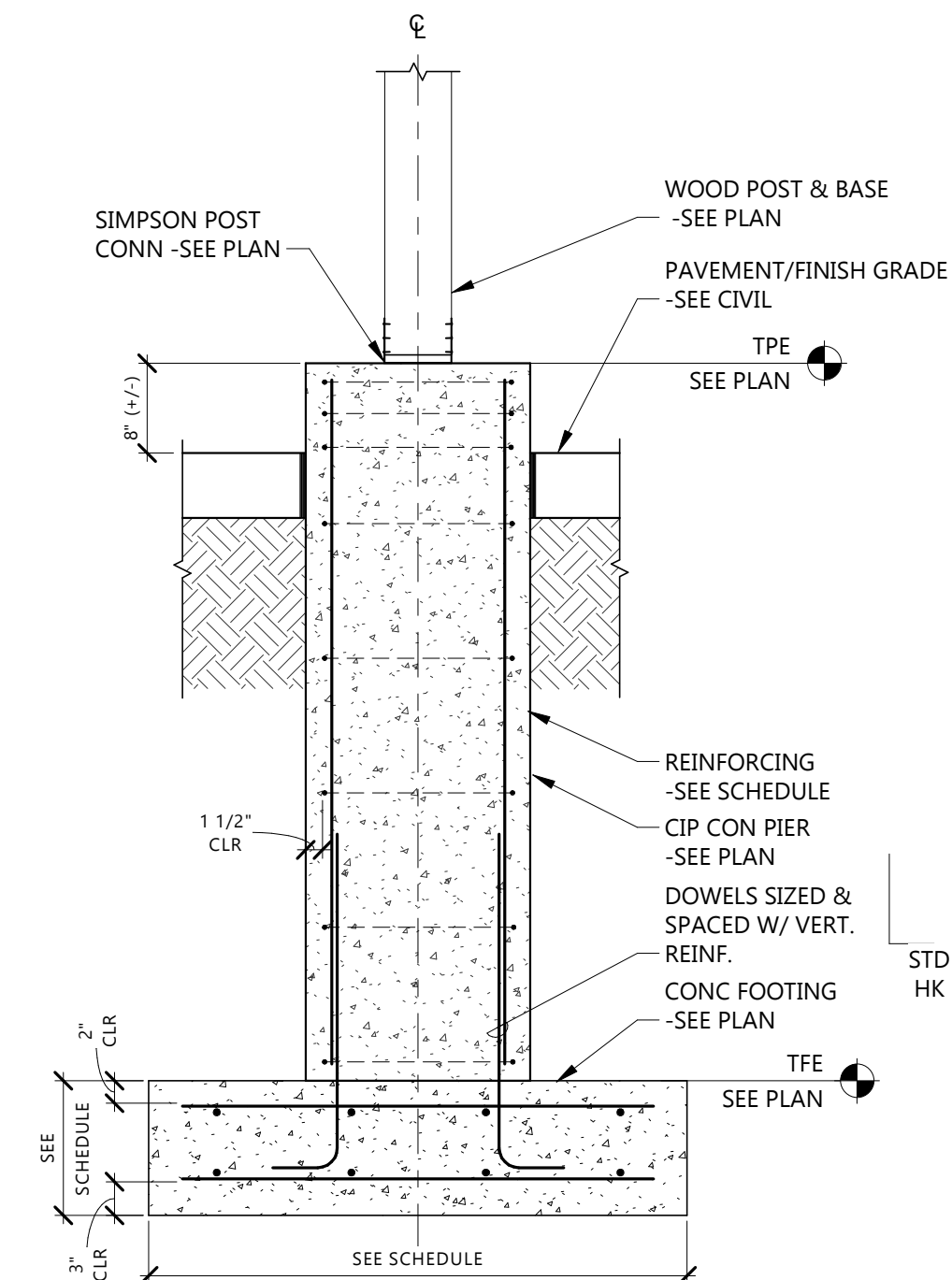
5 TYPICAL STOOP DETAIL
3/4" = 1'-0"



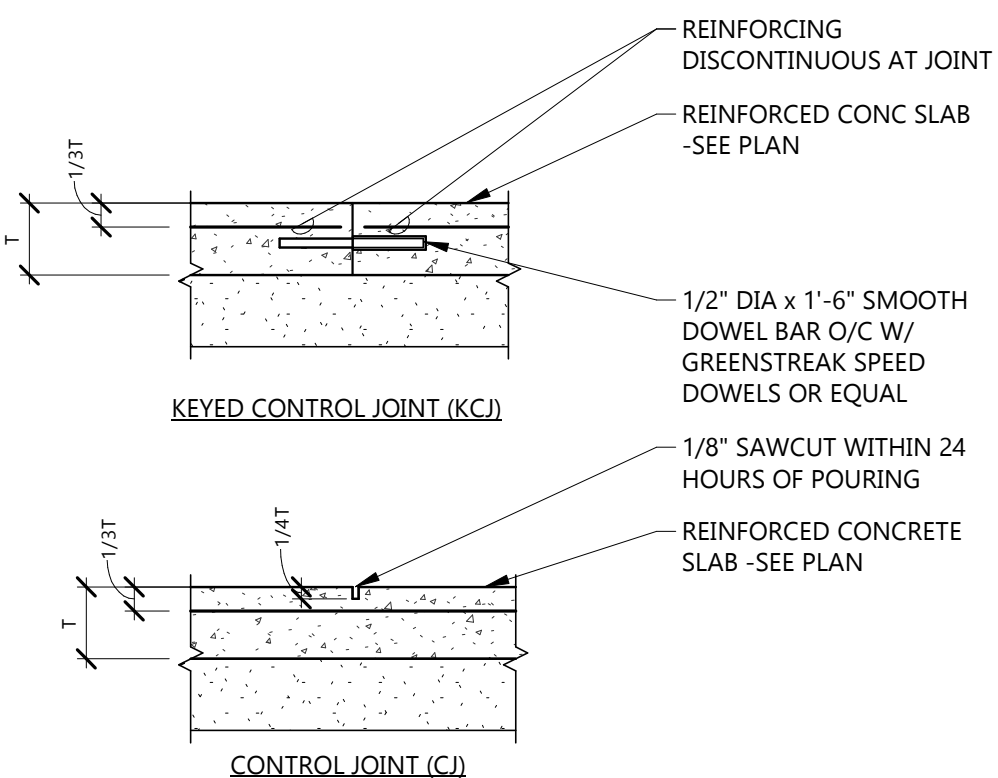
4 TYPICAL STEP FOOTING
3/4" = 1'-0"



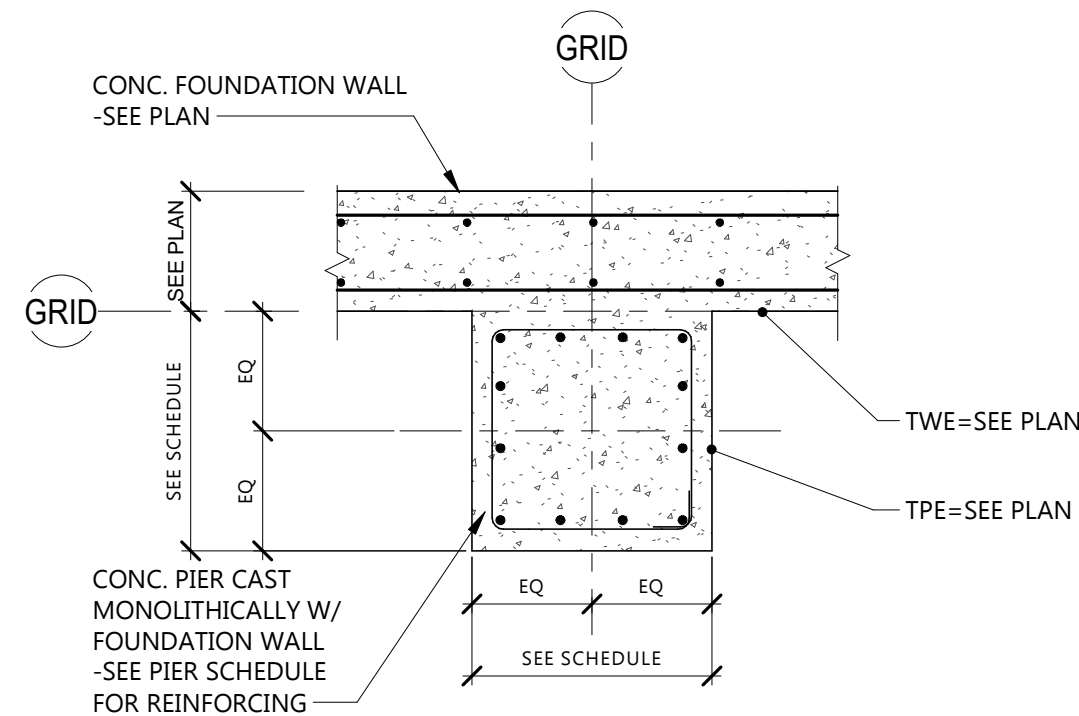
3 TYPICAL FNDN CORNERS (SINGLE REBAR)
3/4" = 1'-0"



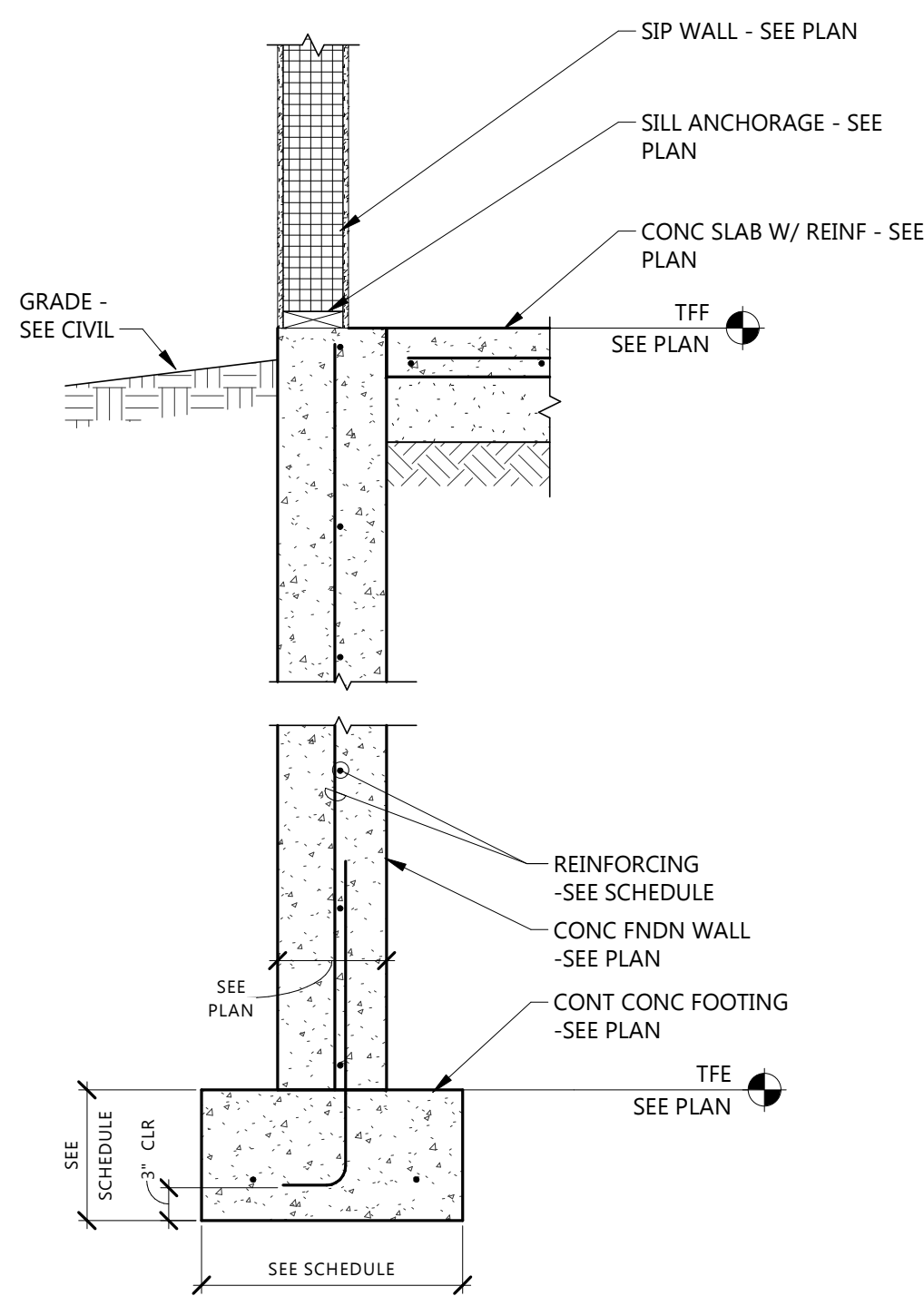
2 WOOD POST @ CONC PIER
3/4" = 1'-0"



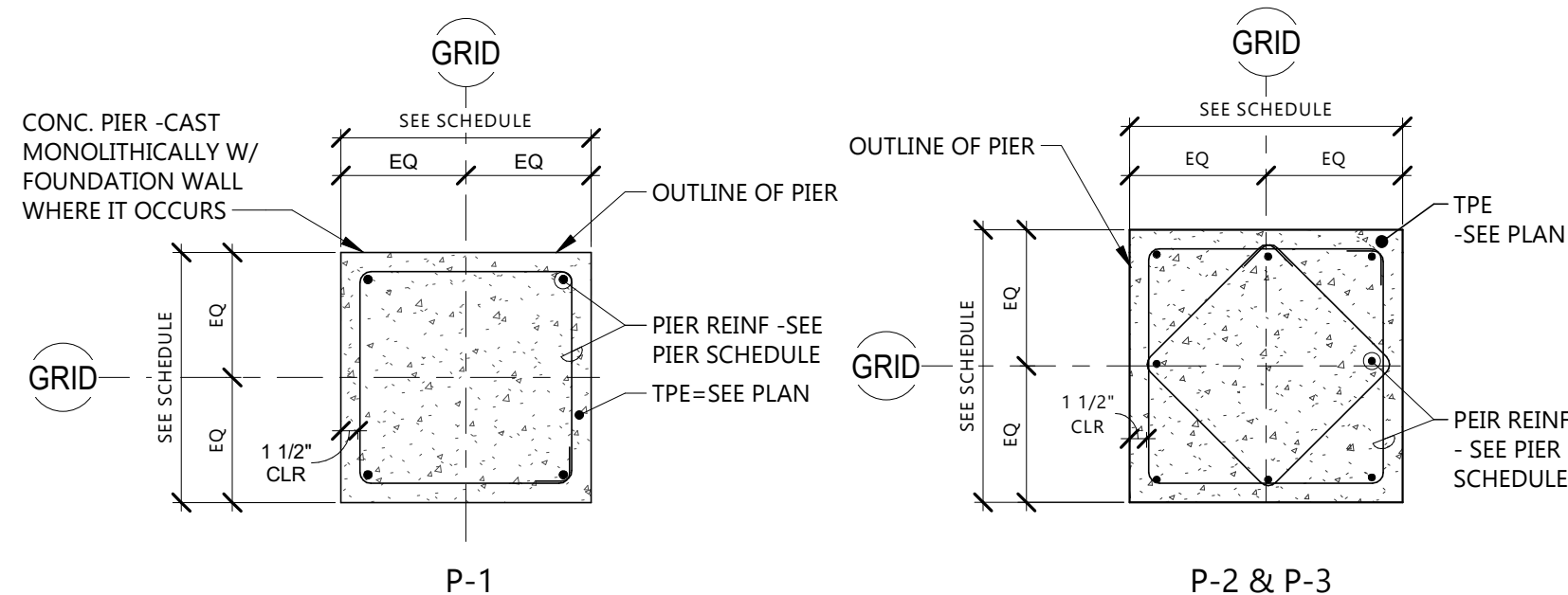
1 SLAB CONTROL JOINTS
3/4" = 1'-0"



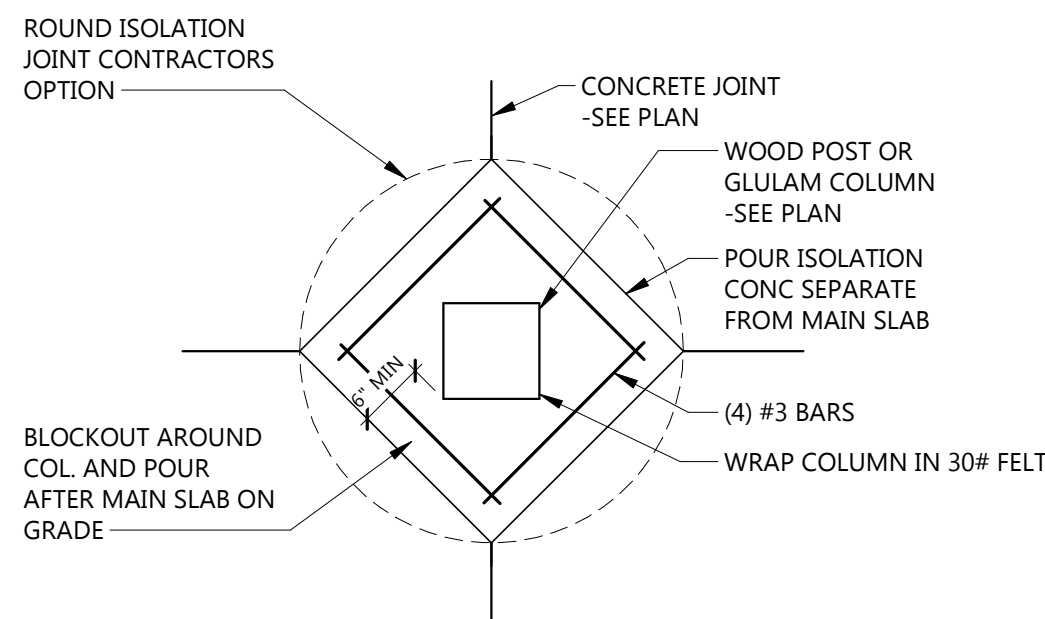
8 PIER @ EXTERIOR WALL
3/4" = 1'-0"



7 EXTERIOR FOUNDATION WALL
3/4" = 1'-0"



11 PIER REINFORCEMENT LAYOUT
3/4" = 1'-0"



10 COLUMN ISOLATION JOINT
3/4" = 1'-0"

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FIELD IMPROVEMENTS

CITY WATFORD CITY
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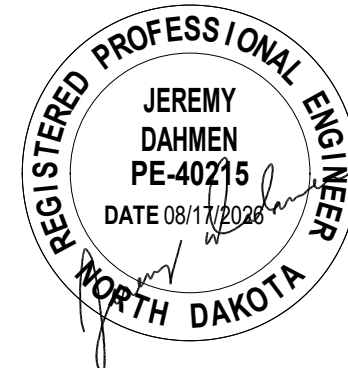
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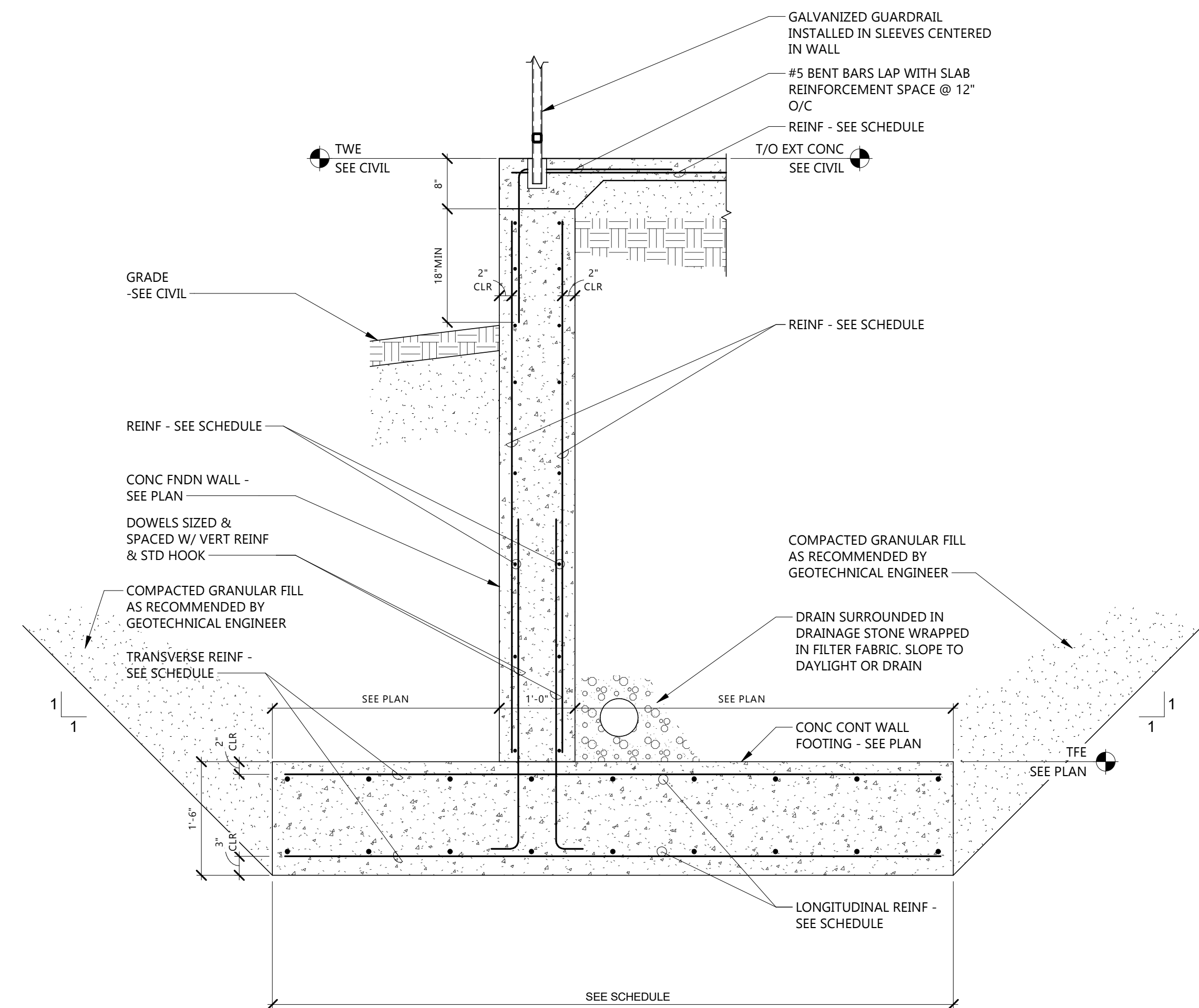
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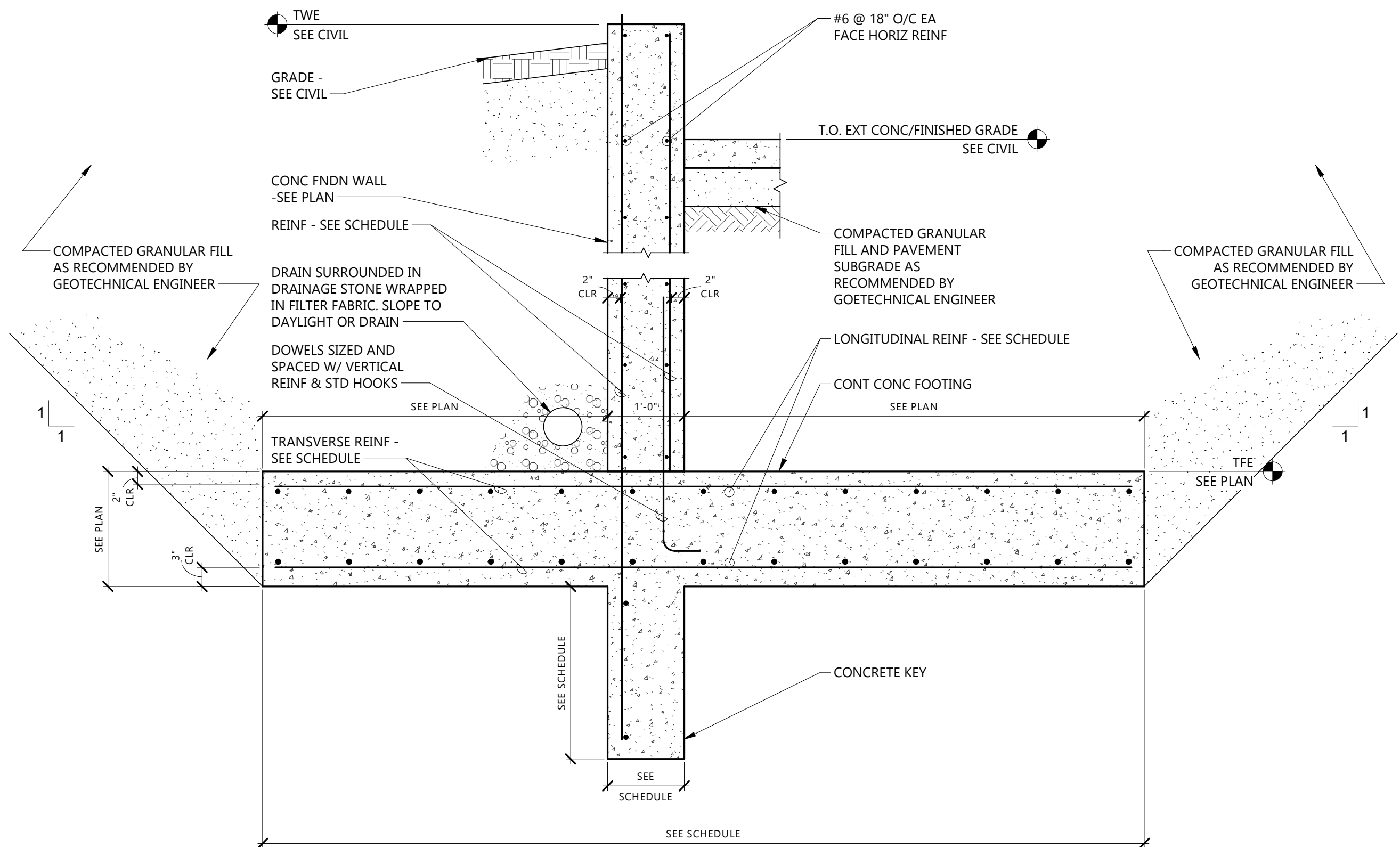
DRAWING TITLE
FOUNDATION DETAILS

S602



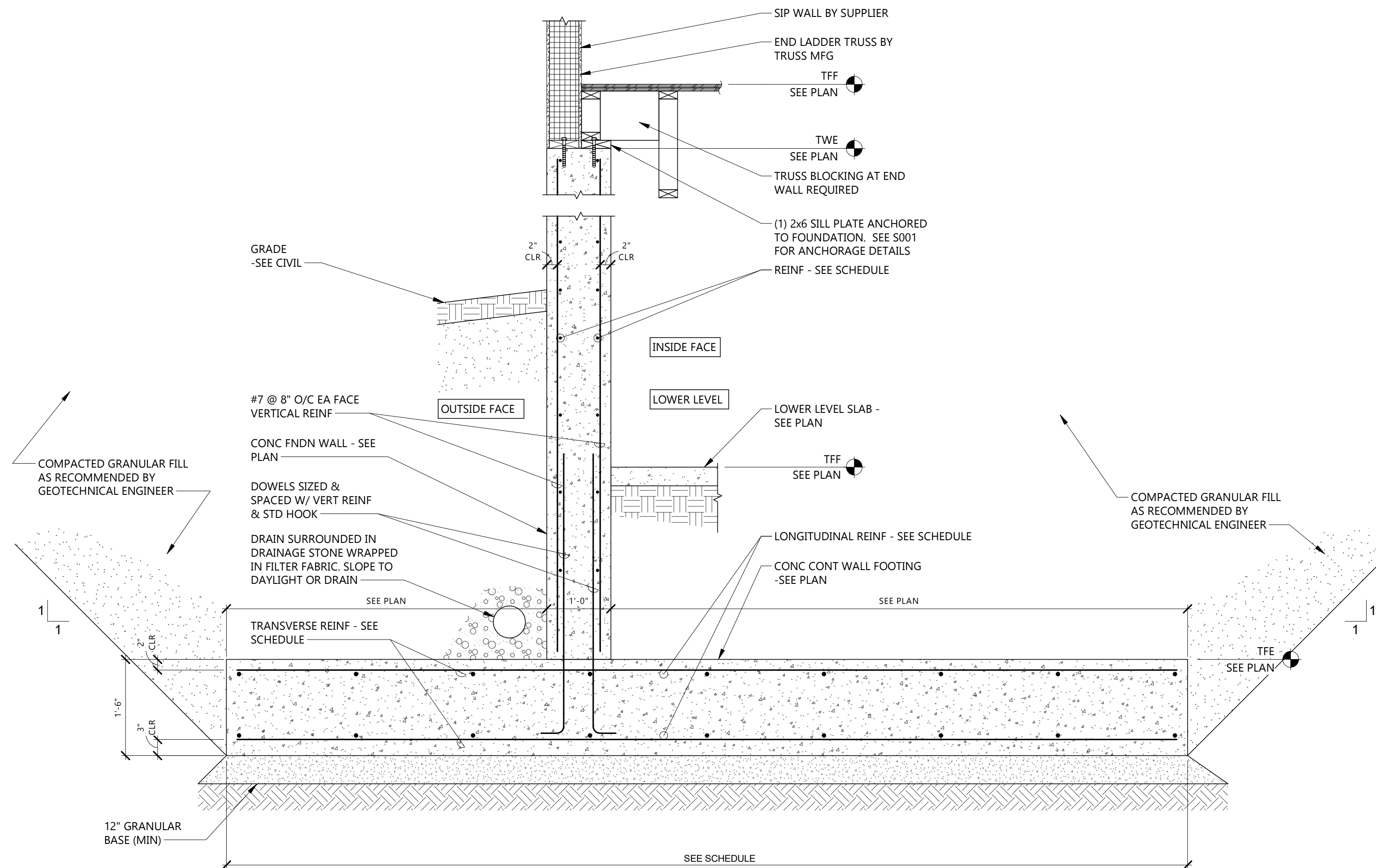
4 EXTERIOR RETAINING WALL @ HANDICAP RAMP

3/4" = 1'-0"



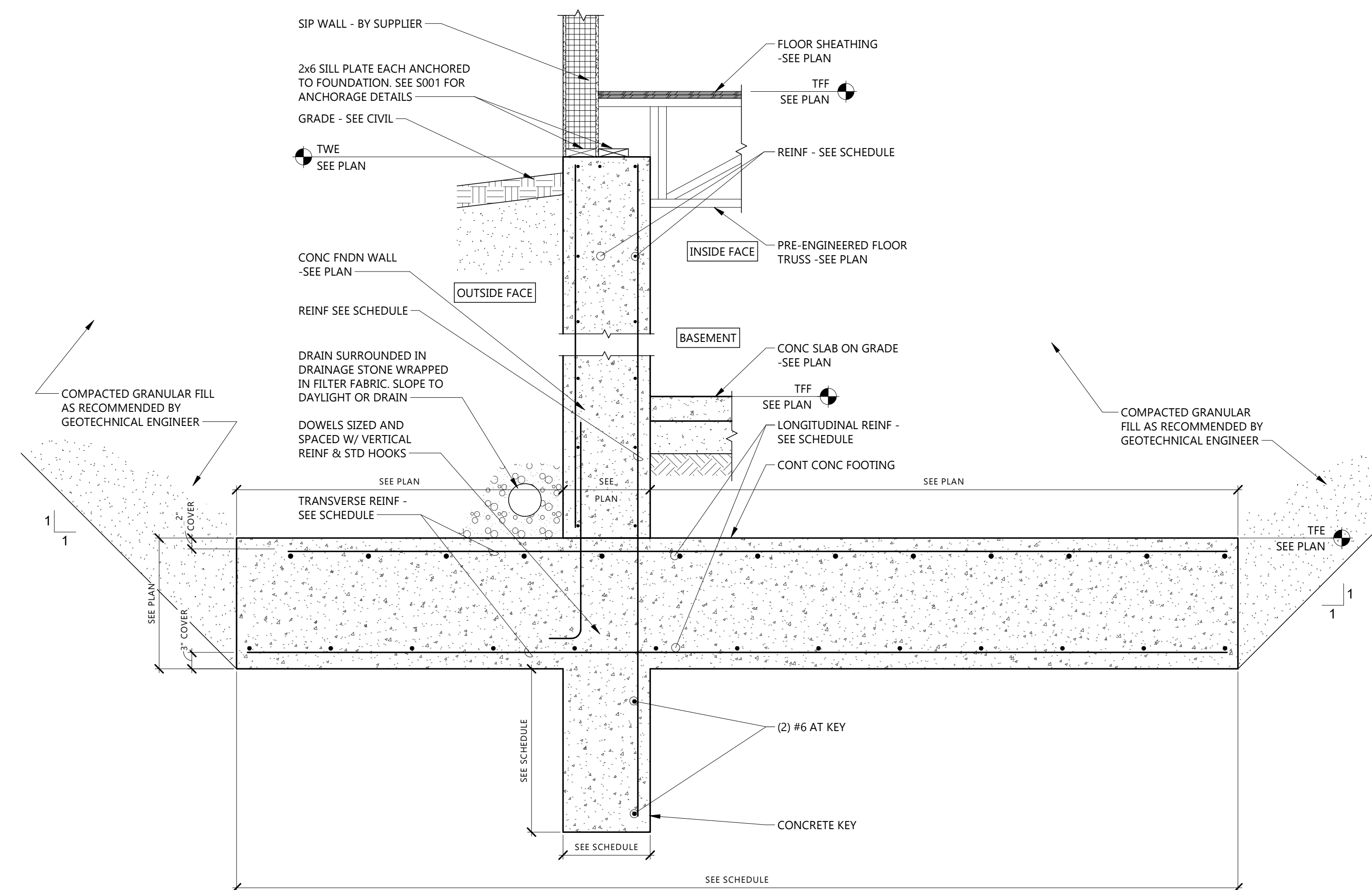
3 EXTERIOR RETAINING WALLS ALONG GRIDS 2 & 14

3/4" = 1'-0"



2 EXTERIOR FOUNDATION WALL

3/4" = 1'-0"



1 EXTERIOR NORTH FOUNDATION WALL

3/4" = 1'-0"

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NEW TOWN SCHOOL DISTRICT

PROJECT DESCRIPTION
NEW TOWN FOOTBALL FIELD IMPROVEMENTS

CITYWATFORD CITY
STATEND

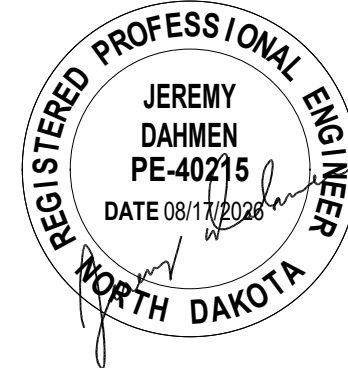
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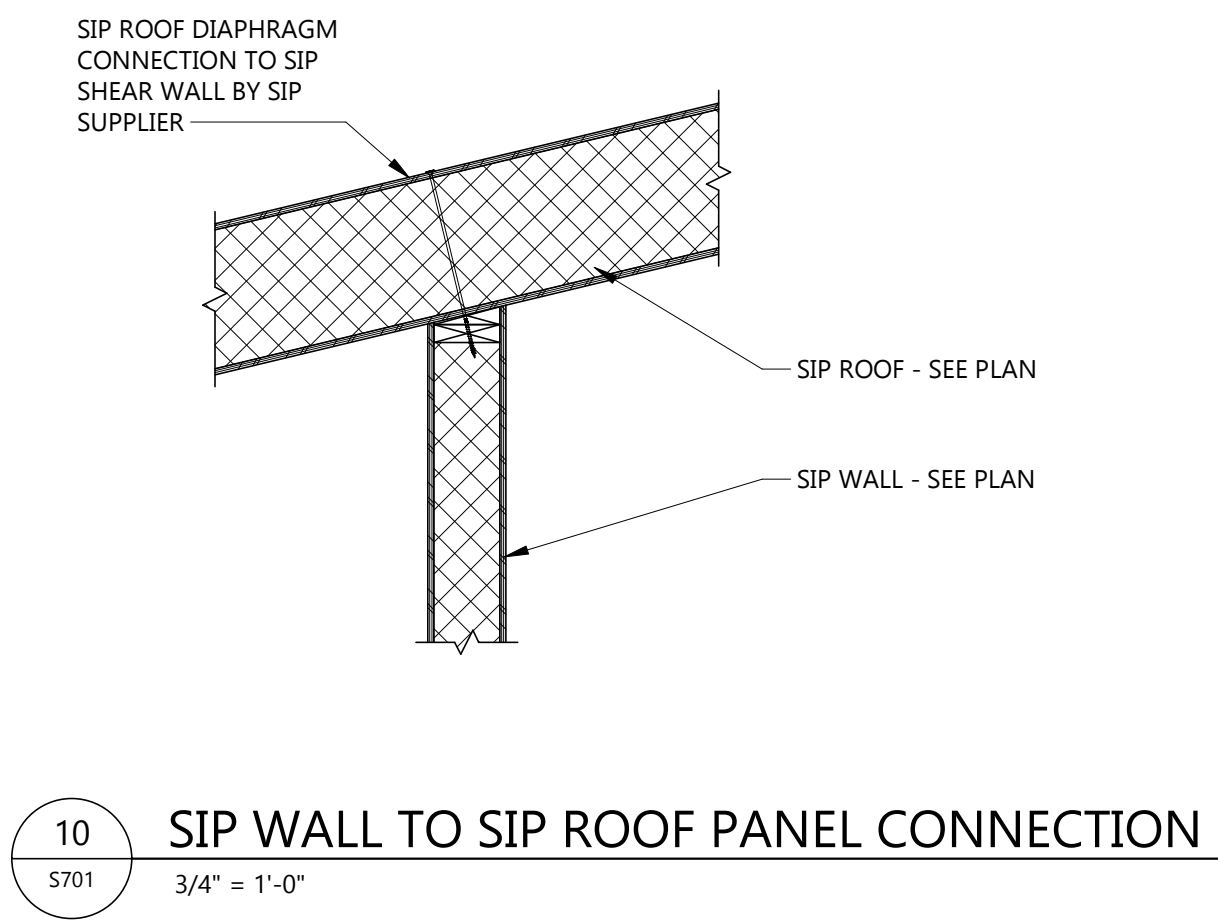
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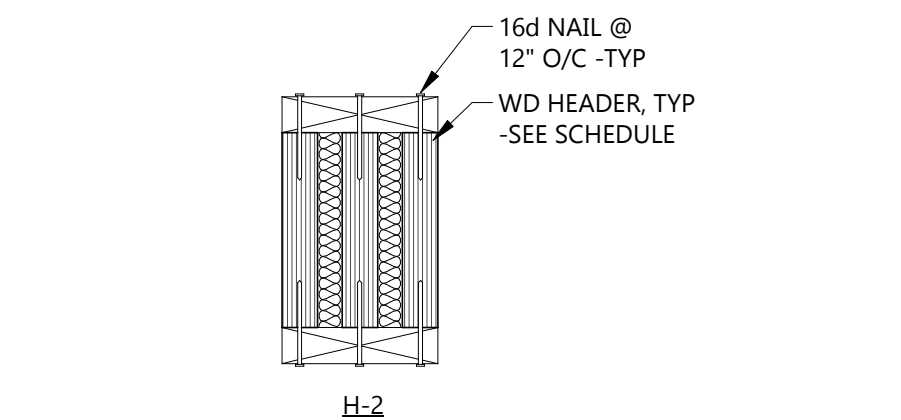


DRAWING TITLE
FRAMING DETAILS

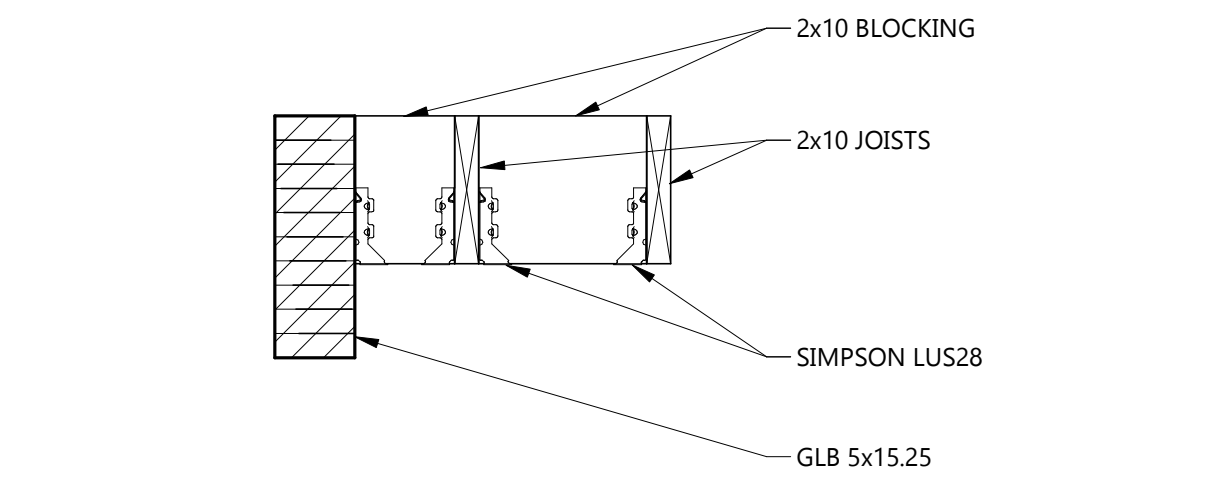
S701



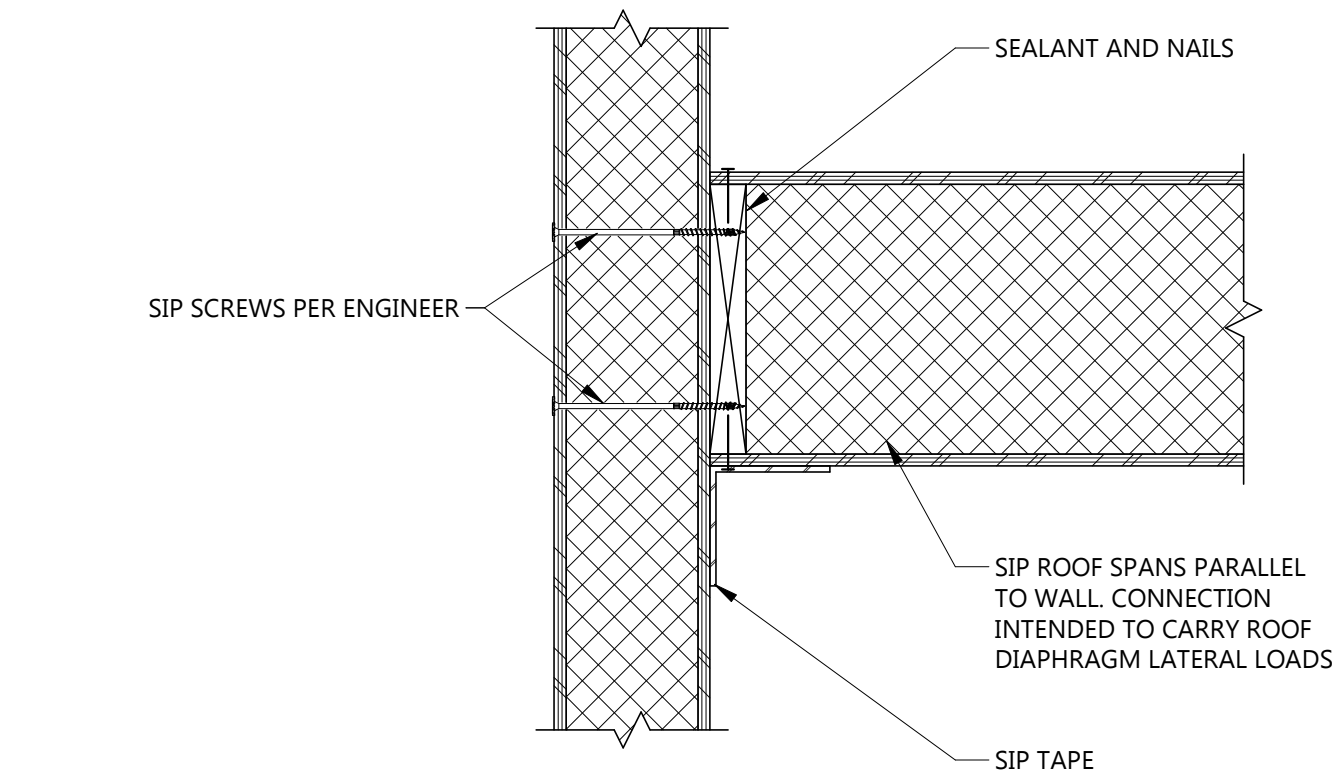
10
S701
SIP WALL TO SIP ROOF PANEL CONNECTION
3/4" = 1'-0"



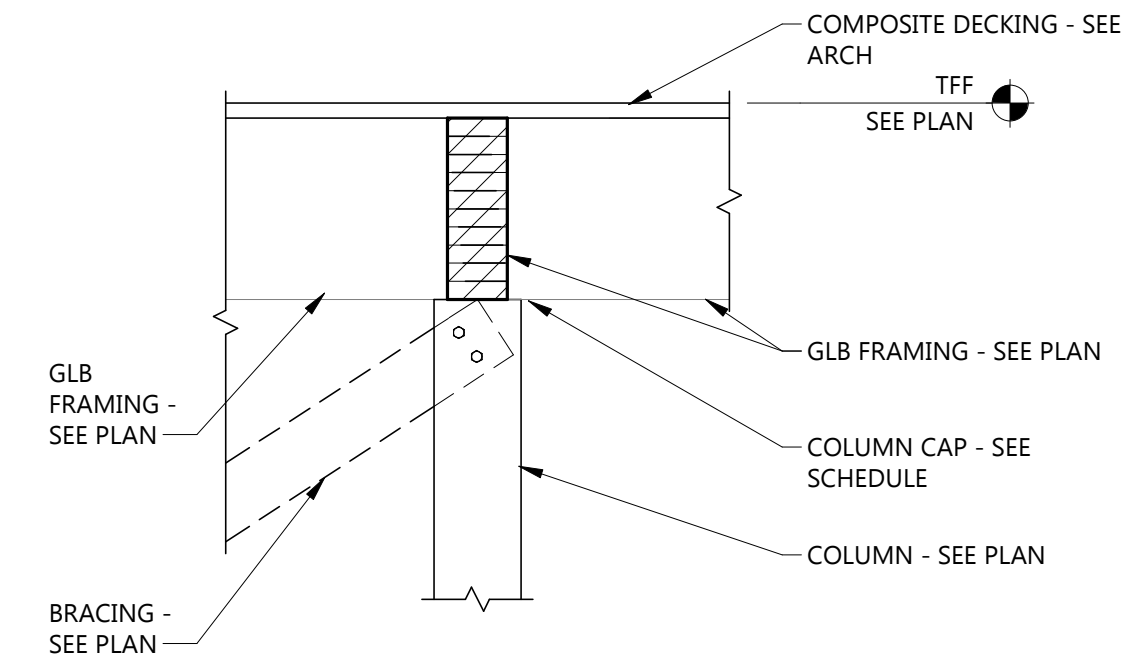
6
S701
TYP WOOD HEADER DETAIL
1 1/2" = 1'-0"



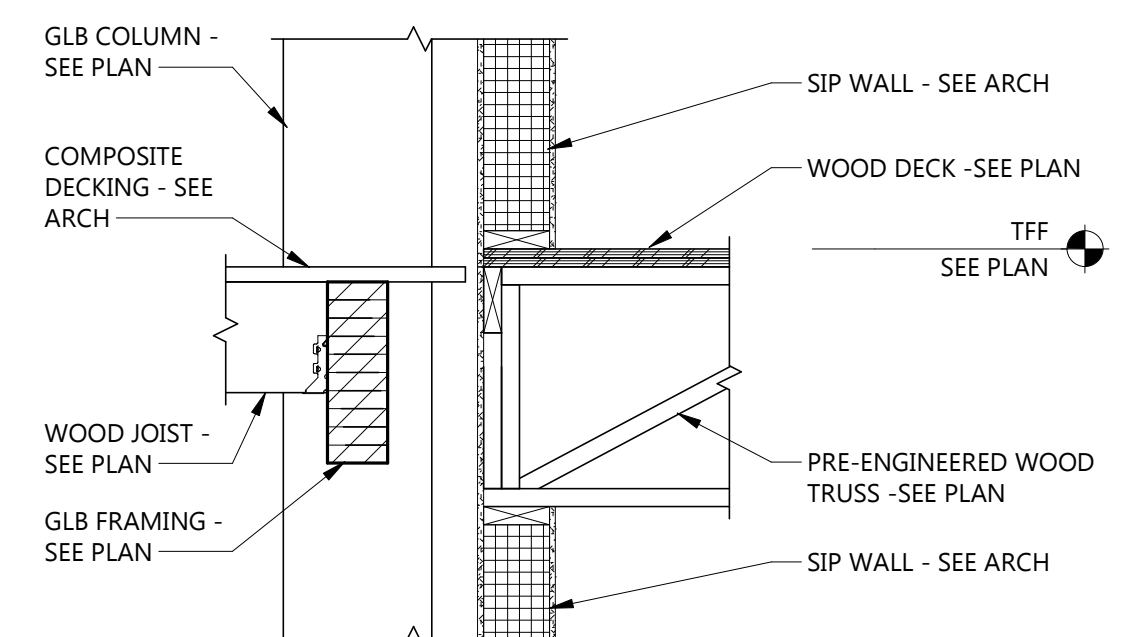
9
S701
JOIST BLOCKING
1" = 1'-0"



5
S701
CONN @ SIP ROOF
1 1/2" = 1'-0"



2
S701
FRAMING @ DECK
3/4" = 1'-0"



1
S701
EXTERIOR WALL @ GRANDSTAND DECK
3/4" = 1'-0"

BUILDING ELEVATION

ELEVATION ID
SHEET NUMBER
NOTE

WALL SECTION

SECTION ID
SHEET NUMBER
NOTE

BUILDING SECTION

SECTION ID
SHEET NUMBER
NOTE

DETAIL REFERENCE

NOTE
DETAIL NUMBER
SHEET NUMBER

INTERIOR ELEVATION

ELEVATION NUMBER
SHEET NUMBER

ROOM NAME

ROOM NAME
ROOM NUMBER

WINDOW TAG

WINDOW NUMBER

MATCH LINE

VIEW REFERENCE
VIEW REFERENCE

KEYNOTE

DISCIPLINE LETTER
KEYNOTE NUMBER

CASEWORK

LOCKS, HDWE, ETC

CASEWORK NO.
CASEWORK FINISH

INTERIORS

FLOOR FINISH
WALL FINISH

GRID LINES

CONVENTIONAL GRID SYSTEM

ELEVATION DATUMS

BENCH MARK
SPOT ELEVATION (EXISTING)
SPOT ELEVATION (PROPOSED)

LEVEL NAME

ELEV

LEVEL DATUM

WALL TAG

WALL TYPE

REVISION INDICATOR

REVISION TAG
REVISION CLOUD

C CONT	
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
CORR	CORRIDOR
CPT	CARPET
CPTD	COMMON PATH TRAVEL DISTANCE
CR	CURTAIN ROD
CT	CERAMIC TILE
CTOP	COUNTER TOP
CTR	CENTER
CU	CUBIC
CY	CUBIC YARD
D	
D	DEPTH / CLOTHES DRYER
d	PENNY (NAILS)
dB	DECIBEL
DBL	DOUBLE
DEMO	DEMOLISH / DEMOLITION
DEPT	DEPARTMENT
DF	DRAINING FOUNTAIN / DECORATIVE FILM
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIV	DIVISION
DN	DOWN
DR	DOOR
DS	DOWNSPOUT
DTL	DETAIL
DW	DISHWASHER
DWG	DRAWING
DWR	DRAWER
E	
E	EAST
EA	EACH
EB	EXPANSION BOLT
EC	ELECTRICAL CONTRACTOR
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EM	EMERGENCY
EP	ELECTRICAL PANEL / END PANEL
EPS	EXPANDED POLYSTYRENE
EQ	EQUAL
EQUIP	EQUIPMENT
ESD	ELECTRO STATIC DISCHARGE VINYL TILE
ETR	EXISTING TO REMAIN
EW	ELECTRIC WATER COOLER
EX	EXISTING
EXA	EXIT ACCESS
EXD	EXIT DISCHARGE
EXT	EXTERIOR

ID	INSIDE DIAMETER / INSIDE DIMENSION
IG	INSULATING GLASS
IJ	ISOLATION JOINT
IN	INCHES
INFO	INFORMATION
INSP	INSPECTION / INSPECTOR
INST	INSTALLATION
INSUL	INSULATION
INT	INTERIOR
INT STN	INTERIOR STONEMWORK
IR	IMPACT RESISTANT
ISO	ISOLATION / INTERNATIONAL STANDARDS ORGANIZATION
J	
JAN	JANITOR
JBE	JOIST BEARING ELEVATION
JST	JOIST
JT	JOINT
K	
KIT	KITCHEN
KO	KNOCK OUT
KP	KICK PLATE
L	
LF	LEFT / LENGTH
LAB	LABORATORY
LAM	LAMINATED
LAV	LAVATORY
LB	POUND
LGSS	LIGHT GAUGE STEEL FRAMING
LH	LEFT-HAND
LR	LEFT-HAND REVERSED
LK	LOCKER
LP	LOW POINT
LR	LIVING ROOM
LSG	NFPA 101 LIFE SAFETY CODE
LT	LAMINATED SAFETY GLASS
LG	LIGHT
LTWT	LIGHTWEIGHT
LV	LUXURY VINYL TILE
M	
MA	MEDICAL AIR
MACH	MACHINE
MAINT	MAINTENANCE / MAINTAIN
MAS	MASONRY
MAX	MAXIMUM
MBR	MASTER BEDROOM
MC	MECHANICAL CONTRACTOR
MCW	MINERAL CORE WOOL
MDF	MEDIUM DENSITY FIBERBOARD
MECH	MECHANICAL
MED	MEDICAL / MEDICINE
MEMB	MEMBRANE
MFR	MEZZANINE
MAN	MANUFACTURER / MANUFACTURING
MIN	MINIMUM / MINUTE
MIRR	MIRROR
MISC	MISCELLANEOUS

QT	QUARRY TILE
QTR	QUARTER
QZ	QUARTZ
R	
R	RISER / RADIUS
R&S	ROD & SHELF
RAD	RADIUS
RAF	RESILIENT ATHLETIC FLOORING
RB	RESILIENT BASE
RC	REFLECTED CEILING PLAN
RD	ROOF DRAIN / ROAD
REBAR	REINFORCING BAR
REC	RECESSED
RECEP	RECEPTION
RECEPT	RECEPTACLE
REF	REFERENCE
REFR	REFRIGERATOR
REG	REGISTRATION / REGISTER
RENF	REINFORCED
REM	REMOVE / REMOTE
REQ(D)	REQUIRED
RES	RESINOUS FLOORING
RET	RETAINING / RETURN
REV	REVERSE / REVISION
RH	RIGHT HAND
RL	RAINLEADER
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RSP	RESILIENT SHEET FLOOR
RTF	RESILIENT TILE FLOOR
S	
S	SOUTH / SHELF
SABF	SOUND ATTENUATION FIRE BLANKET
SB	SMOKE BARRIER
SC	SOLID CORE / SHOWER CURTAINS / SMOKE COMPARTMENT
SCHD	SCAT COVER DISPENSER
SCHED	SCHEDULE
SCR	SHOWER CEILING ROD
SCS	SPECIALTY CURTAIN SYSTEM
SCWD	SOLID CORE WOOD DOOR
SCX	SMOKE COMPARTMENT EXIT
SD	SOLID DISPENSER / SEE DETAIL
SEC	SECOND
SECTION	SECTION
SF	SQUARE FEET
SG	STAGE CURTAINS
SH	SHEET
SHT	SHEET
SHG	SHEATHING
SHWR	SHOWER
SIM	SIMILAR
SL	SLOPE
SLNT	SEALANT
SND	SANITARY NAPKIN DISPENSER
SNW	SANITARY NAPKIN WASTE RECEPTAL
SP	SPANDREL PANEL / SMOKE PARTITION
SPEC	SPECIFICATION
SQ	SQUARE
SSF	SOLID SURFACE
STL	STAINLESS STEEL
ST	STONE
STA	STATION
STD	SOUND-TRANSMISSION CLASS
STD	STANDARD
STE	SUITE
STEL	STEEL
STN	WOOD STAINING
STOR	STORAGE
STR	STAIR TREADS/RISERS
STRUCT	STRUCTURE / STRUCTURAL
STR	SUITE EXIT
CURF	CURB
SUSP	SUSPENDED
SYM	SYMMETRICAL

T	TOP / TREAD / TILE
T&B	TOP & BOTTOM
T&G	TONGUE & GROOVE
TA	TOLILE ACCESSORIES
TB	TOWEL BAR
TBD	TO BE DETERMINED
TDX	TRAVEL DISTANCE TO EXIT
TEL	TELEPHONE
TEMP	TEMPERED / TEMPORARY / TEMPERATE
TER	TERRAZZO
TFF	TOP OF FOOTING ELEVATION
TFF	TOP OF FINISH FLOOR
TG	TEMPERED GLASS
THK	THICK
THS	THRESHOLD
TJF	TOP OF JIST ELEVATION
TRB	TACK BOARD
TRD	TOILET
TO	TOP OF
TOL	TOLERANCE
TOPO	TOPOGRAPHICAL
TPD	TOILET PAPER DISPENSER
TS	TRANSITION STRIPS
TSE	TOP OF SLAB ELEVATION
TWE	TOP OF WALL ELEVATION
TY	TYPICAL
U	
UC	UNDER COUNTER
UG	UNDERGROUND
UNFN	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UPH	FABRIC/VINYL
UTIL	UTILITY
V	
V	VINYL
VAC	VACUUM
VAR	VARIABLE / VARNISH / VARIES
VCT	VINYL-COMPOSITION TILE
VER	VERIFY
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VOL	VOLUME
VWC	VINYL WALL COVERING
W	
W	WEST / WIDE / CLOTHES WASHER
W/	WITH / WHERE
WO	WITHOUT
WAIN	WAINSCOT
WC	WATER CLOSET
WD	WOOD
WDF	WOOD FLOORING
WDT	WINDOW TREATMENTS
WDW	WINDOW
WG	WALL GUARD
WH	WATER HEATER / WALL HYDRANT
WP	WATER PROOF
WR	WASTE RECEPTACLE
WRL	WALL RAIL
WS	WEATHER STRIPPING
WT	WEIGHT
X	
XFMR	POWER TRANSFORMER
XPS	EXTRUDED POLYSTYRENE
Y	
YD	YARD
SPECIAL SYMBOLS	
#	POUND / NUMBER
/	PER
@	AT
°	DEGREE
Ø	DIAMETER
⌒	CENTERLINE
∠	ANGLE
⊥	PERPENDICULAR

WHEELCHAIR TOILET COMPARTMENT

55" MIN.
@ WALL HUNG WC
39" MIN.
@ FLOOR MOUNTED WC
60" MIN.

DOOR SWINGING INTO WHEELCHAIR TOILET COMPARTMENT

DOOR SHALL NOT SWING INTO THE REQ MIN AREA OF COMPARTMENT

6" TOE CLEARANCE*

60" MIN.

54" IF THE PARTITION IS LESS THAN 12" ABOVE FLOOR

55" MIN.
@ WALL HUNG WC
59" MIN.
@ FLOOR MOUNTED WC

TOE CLEARANCE ELEVATION

PARTITION

12" MIN.

*TOE CLEARANCE AT WHEELCHAIR ACCESSIBLE COMPARTMENTS
THE FRONT PORTION OF AND AT LEAST ONE SIDE PARTITION OF WHEELCHAIR ACCESSIBLE TOILET COMPARTMENTS SHALL PROVIDE A CLEARANCE OF 12" MINIMUM ABOVE THE FLOOR AND EXTEND 8" BEYOND THE COMPARTMENT SIDE FACE OF THE PARTITION, EXCLUSIVE OF PARTITION SUPPORT MEMBERS.

EXCEPTIONS:

1. TOE CLEARANCE AT THE FRONT PARTITION IS NOT REQUIRED IN A WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT IF GREATER THAN 54" IN DEPTH WITH A WALL-HUNG WATER CLOSET, OR GREATER THAN 67" IN DEPTH WITH A FLOOR-MOUNTED WATER CLOSET.
2. TOE CLEARANCE AT THE SIDE PARTITION IS NOT REQUIRED IN A WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT GREATER THAN 68" WIDTH.

ACCESSIBLE TOILET REAR WALL

ACCESSIBLE TOILET SIDE WALL

AMBULATORY STALL REAR WALL

AMBULATORY STALL SIDE WALL

ACCESSIBLE / AMBULATORY / ALTERNATE
PROTRUDING DISPENSER HEIGHTS BELOW GRAB BAR

URINALS & SCREENS

LAV KNEE CLEARANCE

36" MIN

42" MIN

3" TOP OF GRAB BAR

24" MIN

15" MIN

17" - 19" MIN

60" MIN

16" - 18" MIN

CLEAR OF ANY OBSTRUCTIONS

39" - 41" MIN

54" MIN

42" MIN

39" - 41" MIN

59" MIN

CLEAR OF ANY OBSTRUCTIONS

39" - 41" MIN

54" MIN

42" MIN

39" - 41" MIN

60" MIN

CLEAR OF ANY OBSTRUCTIONS

39" - 41" MIN

54" MIN

42" MIN

39" - 41" MIN

60" MIN

CLEAR OF ANY OBSTRUCTIONS

24" MIN

42" MIN

15" MIN

17" - 19" MIN

60" MIN

16" - 18" MIN

CLEAR OF ANY OBSTRUCTIONS

30" MIN

15" MIN

15" MIN

17" - 19" MIN

60" MIN

16" - 18" MIN

CLEAR OF ANY OBSTRUCTIONS

36" MIN

17" - 19" MIN

60" MIN

CLEAR OF ANY OBSTRUCTIONS

* EXCEPTION FOR ADA URINAL: 36" REQUIRED BETWEEN
SCREENS WHEN SCREENS ARE GREATER THAN 24" IN DEPTH

** 1110.2 EX. 4 - IF ONLY ONE URINAL IS REQUIRED, STANDARD
INSTALLATION HEIGHT IS ALLOWED

DRINKING FOUNTAIN

38" - 43" TO SPOUT OUTLET

EQ EQ

2'-6" MIN CLR FORWARD APPROACH

27" MIN KNEE CLEARANCE

35" MAX TO SPOUT OUTLET

WHEELCHAIR ACCESSIBLE

WALL MOUNTED LAV AND MIRROR

30" MIN CLR FORWARD APPROACH

35" MIN SUGGESTED

INSULATE PIPING 606.6

27" MIN KNEE CLEARANCE

29" MIN TO TOP OF LAV 606

34" MAX TO REFLECTIVE SURFACE

40" MAX TO REFLECTIVE SURFACE

COUNTER/VANITY LAV AND MIRROR

30" MIN CLR FORWARD APPROACH

27" MIN KNEE CLEARANCE

29" MIN TO TOP OF LAV 606

34" MAX TO REFLECTIVE SURFACE

40" MAX TO REFLECTIVE SURFACE

TOWEL DISPENSERS & HAND DRYERS

REACH RANGE FOR OPERABLE PARTS

COAT HOOK & SHELF

REACH RANGES

34" - 48" - 1/8" INSTALL HIT & D W/ ADA TABLE

48" MAX COAT HOOK (35" - 48" SUGGESTED)

60" - 48" SUGGESTED WITHIN REACH RANGE

40" - 48" SHELF

SOAP DISPENSER AND VANITY

FORWARD APPROACH REACH RANGES

15" - 48" SOAP DISPENSER (35" - 48" SUGGESTED) WITHIN REACH RANGE

44" MAX SOAP DISPENSER WITHIN REACH RANGE

DIAPER CHANGING STATION

30" MIN CLR FORWARD APPROACH

27" MIN KNEE CLR

34" MAX OPEN TO TOP OF MAX

WITHIN REACH RANGE

TRANSFER TYPE SHOWER PLAN

SEAT WALL

BACK WALL

CONTROL WALL

4" MAX

35" MIN

52" MIN

SEAT WALL ELEVATION

3" MAX

1 1/2" MAX

36" MIN CLR OF OBSTRUCTIONS

36" HOLD

72"

BACK WALL ELEVATION

12"

36" HOLD

48" MIN

CONTROL WALL ELEVATION

CONTROL & HAND SHOWER MOUNTING AREA

18" MIN

3" - 6"

33" - 36"

48" MAX

38" MIN

36" HOLD

36" MIN CLR OF OBSTRUCTIONS

72"

RECTANGULAR SHOWER COMPARTMENT SEAT

15" - 16"

1 1/2" MAX

2 1/2" MAX

3" MAX

L-SHAPED SHOWER COMPARTMENT SEAT

22" - 23"

1 1/2" MAX

14" - 15"

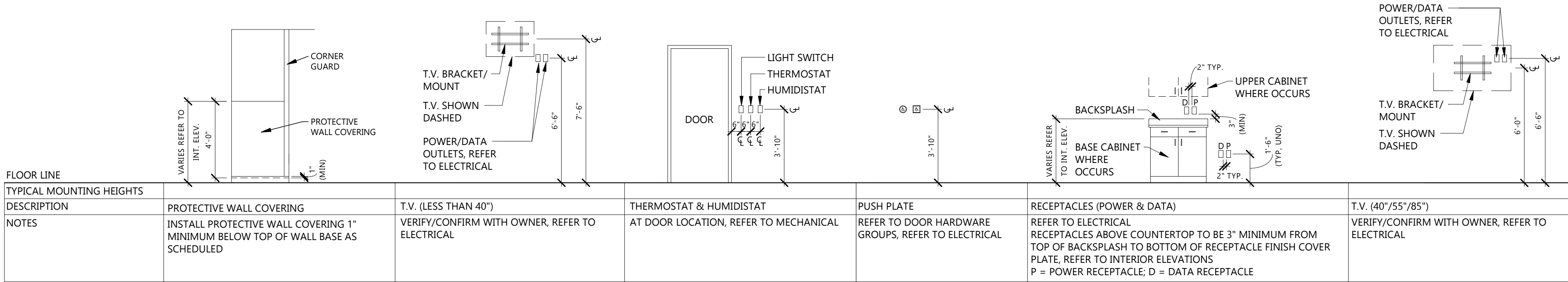
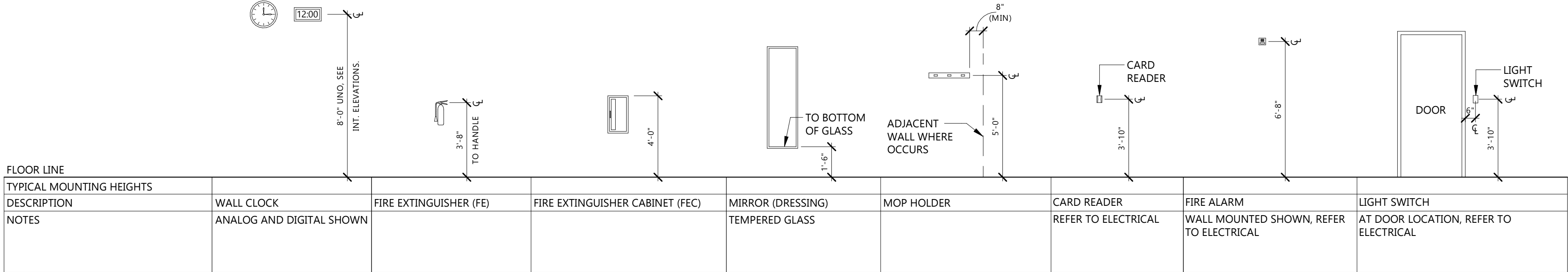
3" MAX

2 1/2" MAX

15" - 16"

TYPICAL EQUIPMENT MOUNTING HEIGHTS & LOCATIONS

NOTE: DIMENSIONS SHOWN ARE TO FINISHED SURFACE (I.E. FACE OF TILE)
NOTE: ALL DIMENSION RANGES REPRESENT THE MINIMUM & MAXIMUM UNLESS SPECIFIED OTHERWISE (I.E. 36" - 48"), VERIFY VENDOR EQUIPMENT REQUIREMENTS AS REQUIRED



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PROJECT DESCRIPTION

NEW TOWN GRANDSTANDS

CITY NEW TOWN

STATE ND

ISSUE DATES

CD	CONSTRUCTION DOCUMENTS	08/17/2026
MARK	DESCRIPTION	DATE

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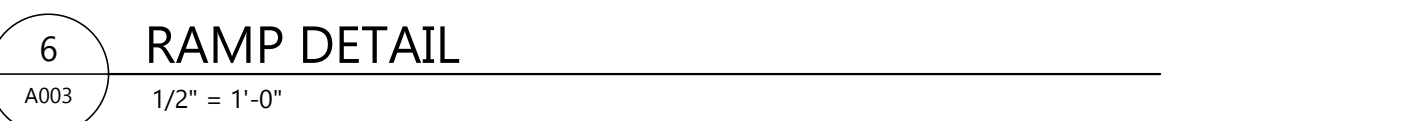
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Date: 08/17/2026 REG. NO.: 2002

DRAWING TITLE

MOUNTING HEIGHT DIAGRAMS

A002



KEYNOTE LEGEND	
	< < < INDICATES KEYNOTE ON PLAN
AE 42	RAIL BY RAILING SUPPLIER - COORDINATE CONNECTIONS WITH SEATING SUPPLIER.
AE 43	BLEACHER BENCH - SEE SPECS.
AE 44	INDIVIDUAL SEATS - SEE SPECS.
AE 45	NEW FENCE, CONNECT TO EXISTING - SEE CIVIL.



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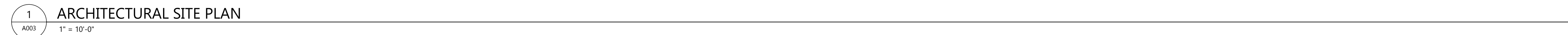
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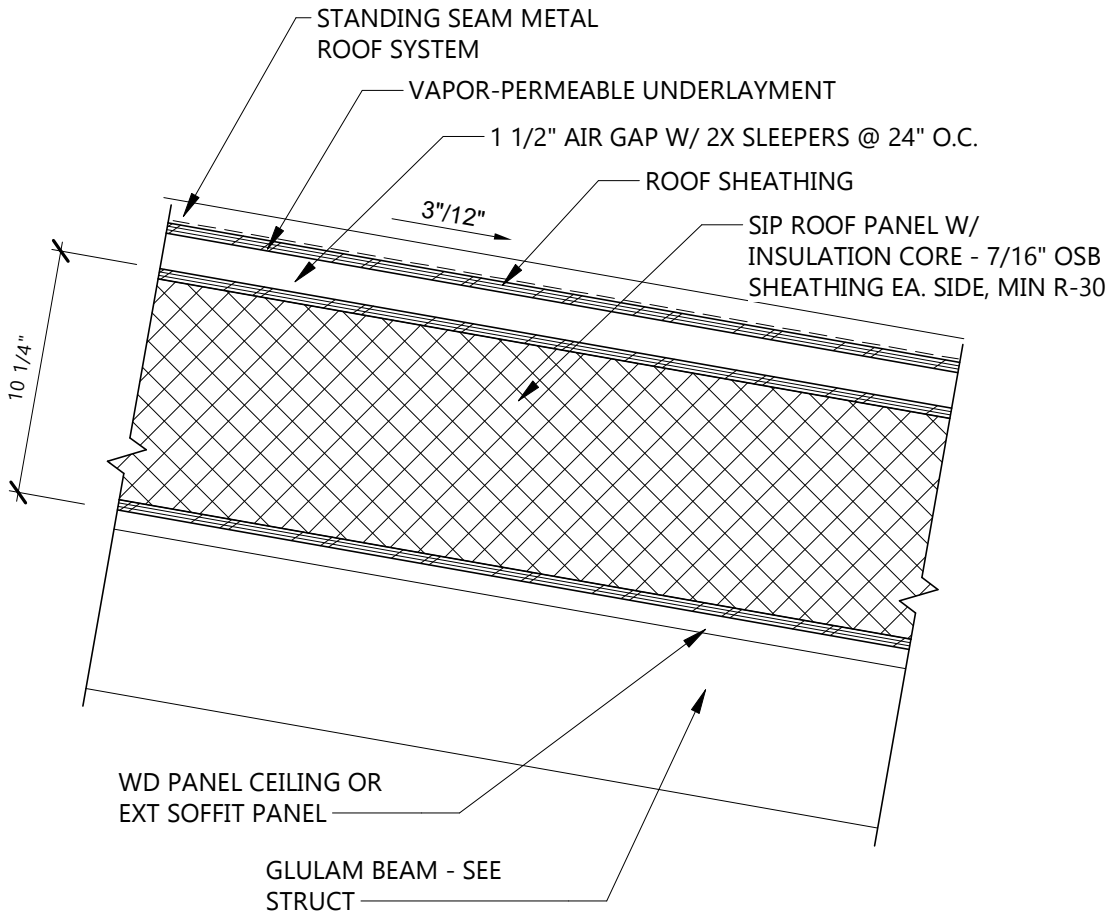


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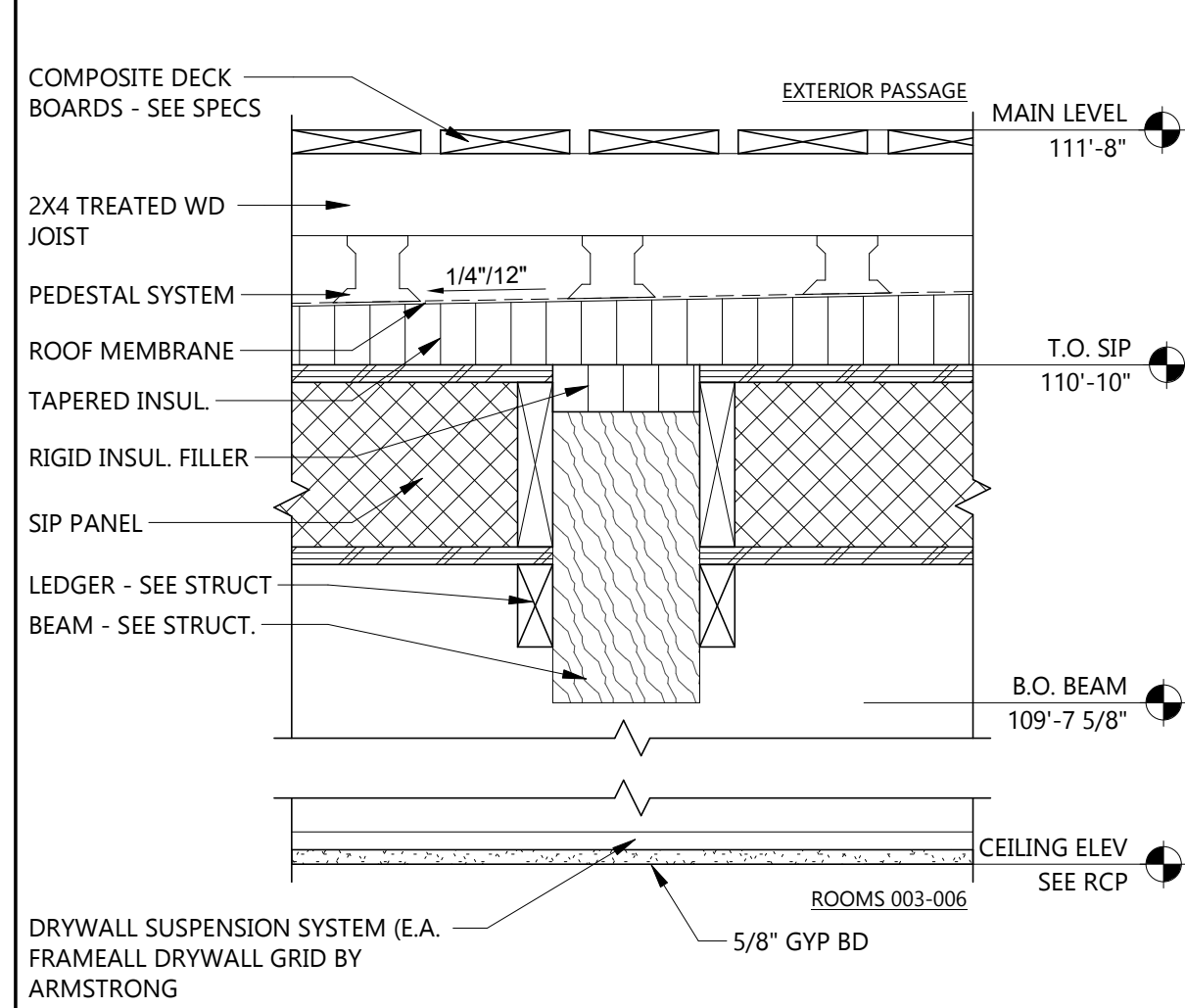
DRAWING TITLE
ARCHITECTURAL SITE
PLAN, DETAILS

A003

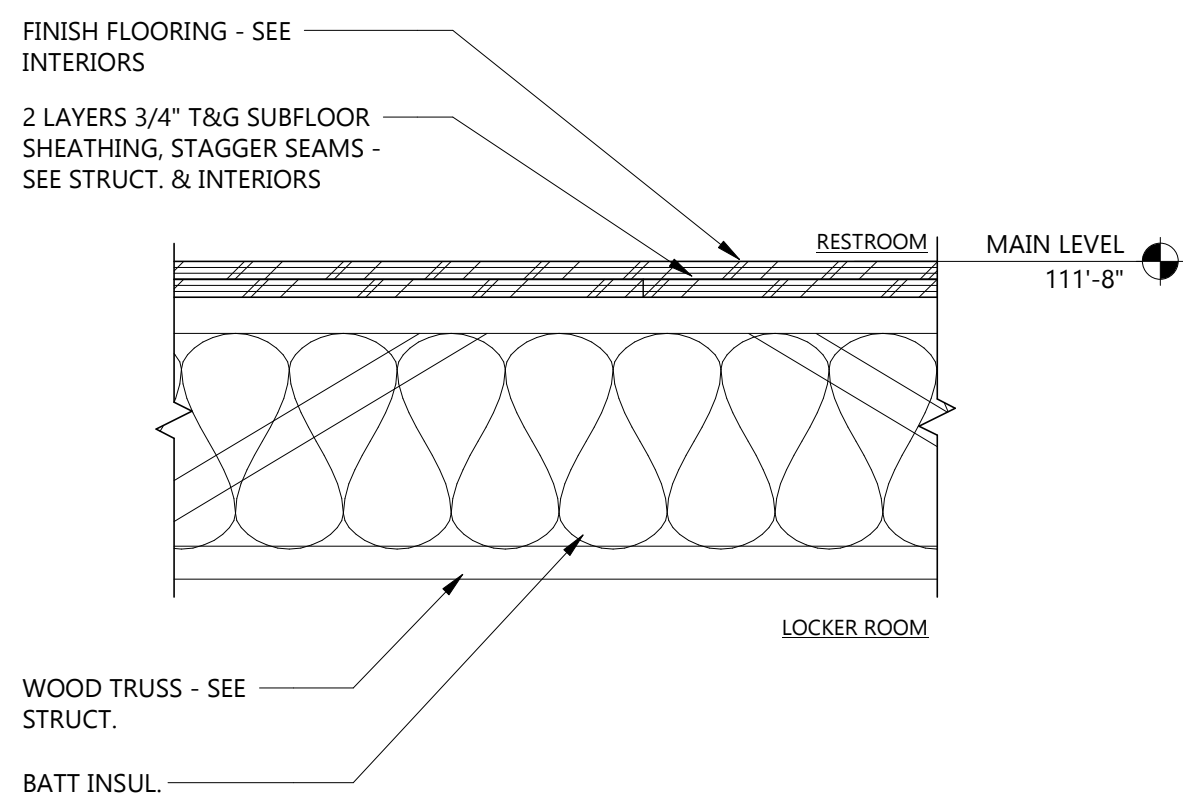




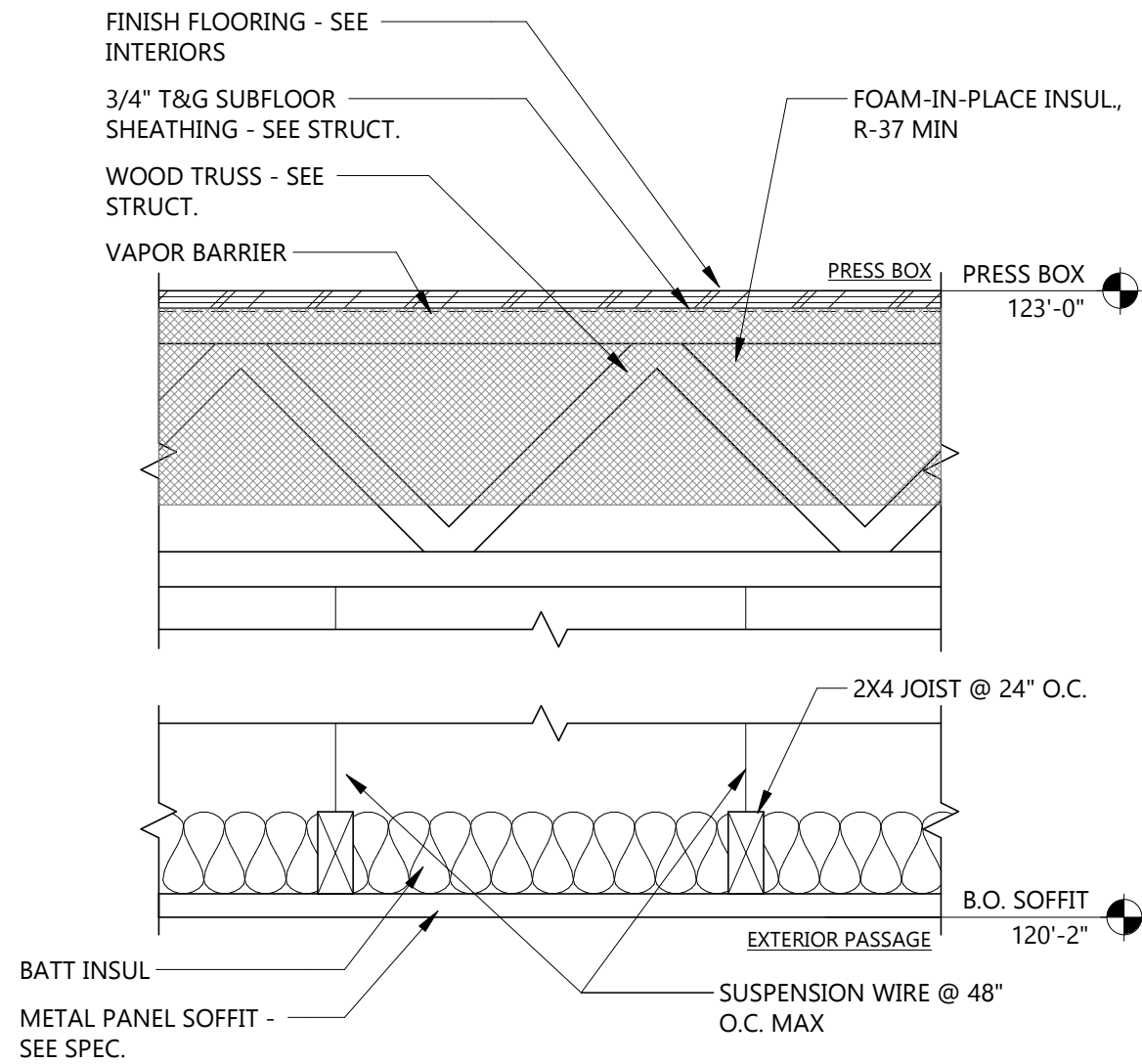
R1 ROOF ASSEMBLY TYPE R1



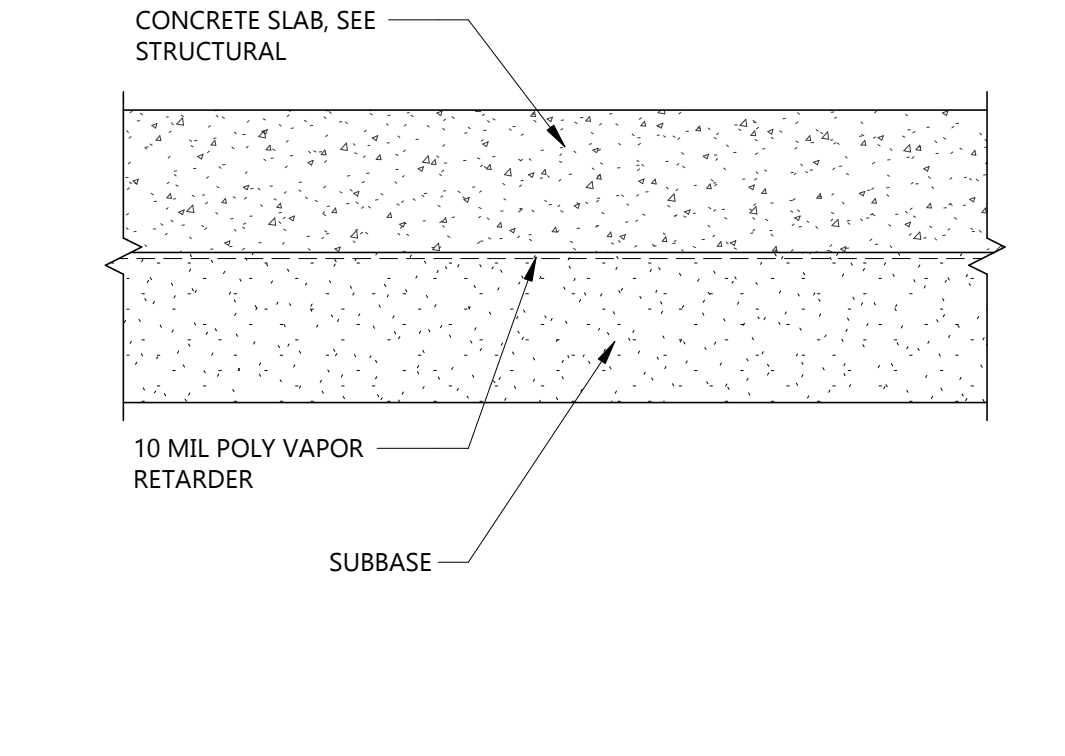
F4 FLOOR ASSEMBLY TYPE 4



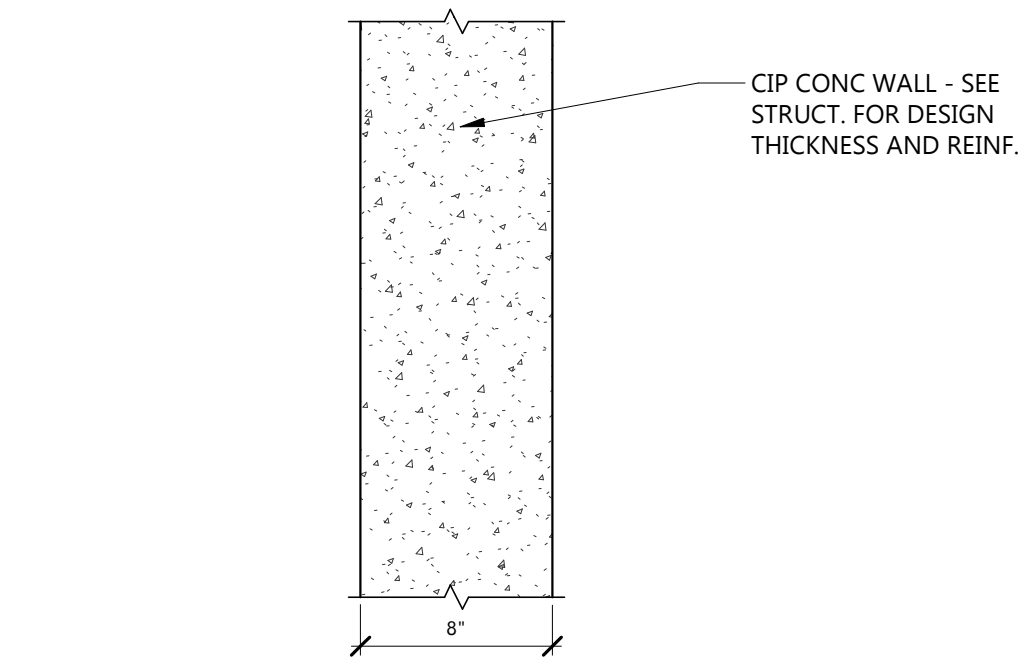
F3 FLOOR ASSEMBLY TYPE 3



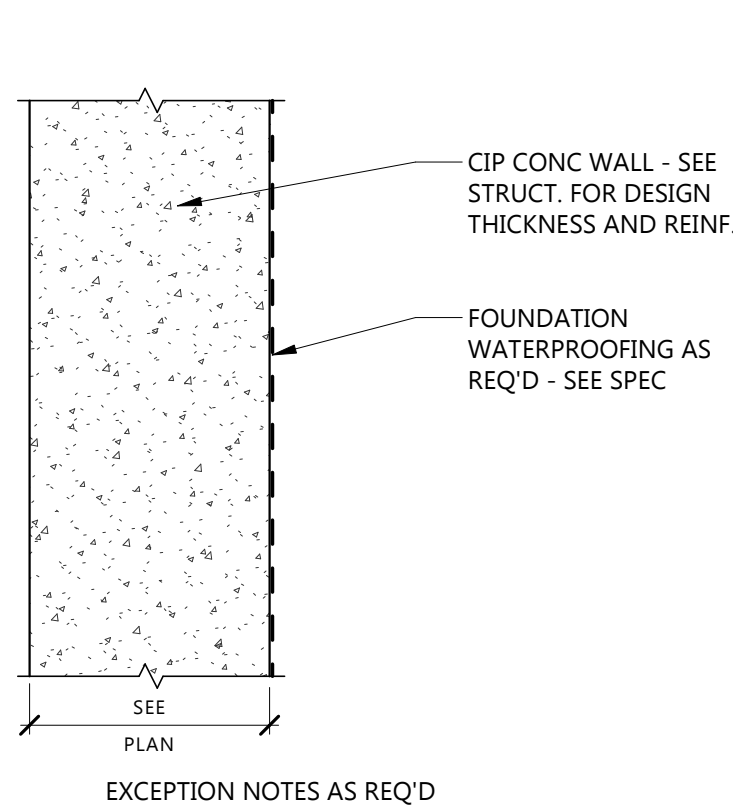
F2 FLOOR ASSEMBLY TYPE 2



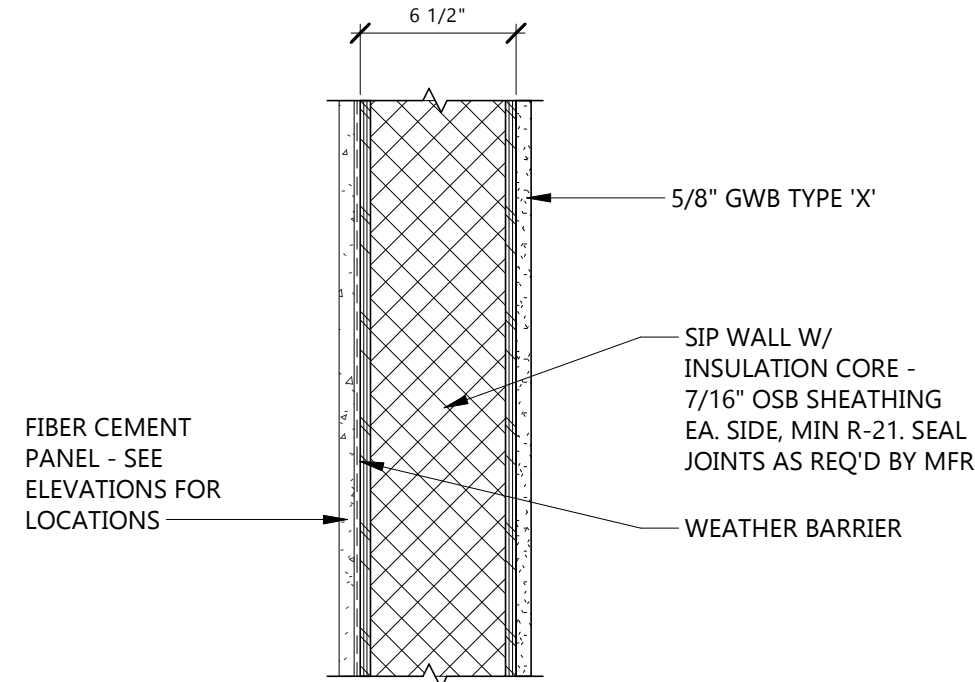
F1 FLOOR ASSEMBLY TYPE 1



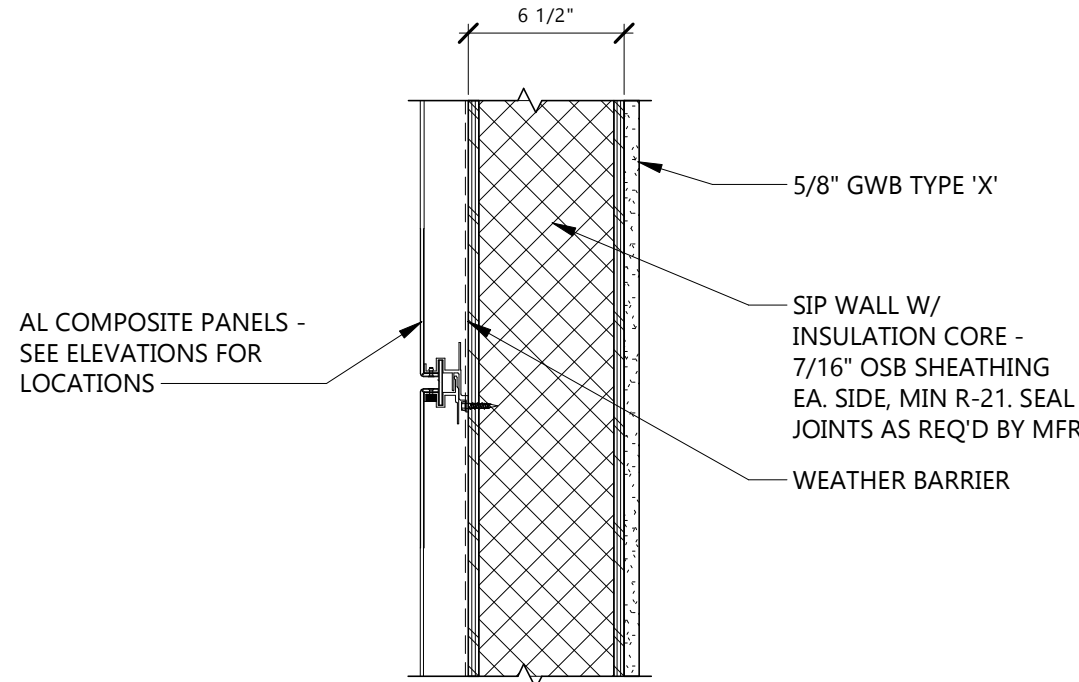
P8 8" CONCRETE WALL



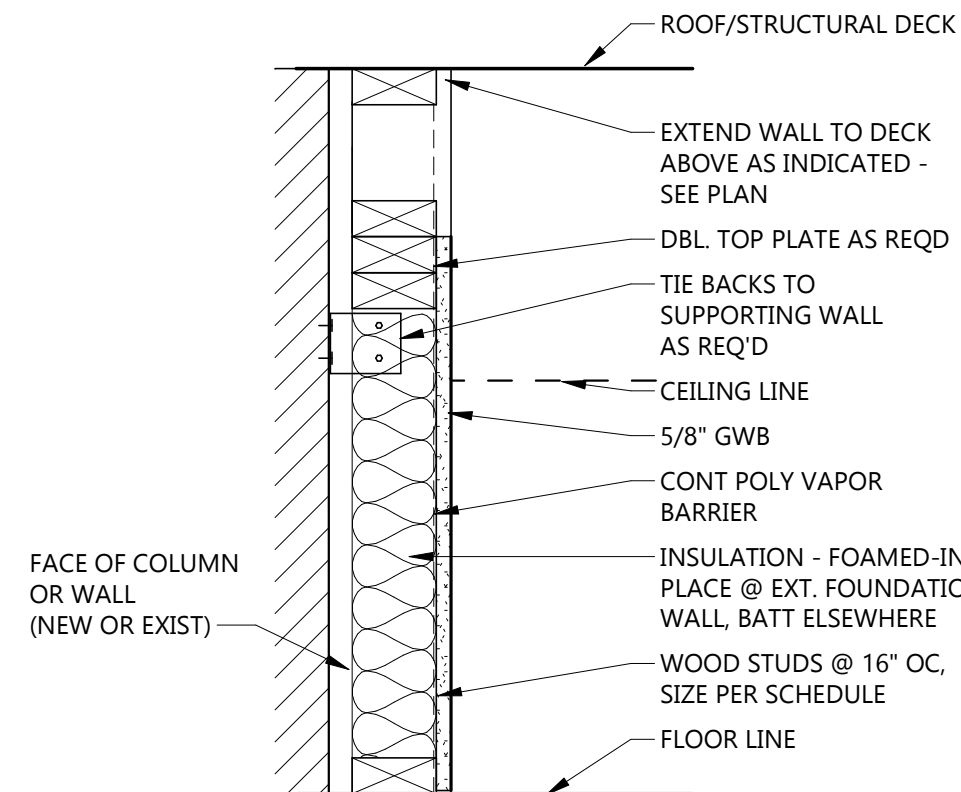
E3 CONCRETE FOUNDATION WALL



E2 EXTERIOR FIBER CEMENT PANEL ON SIP WALL

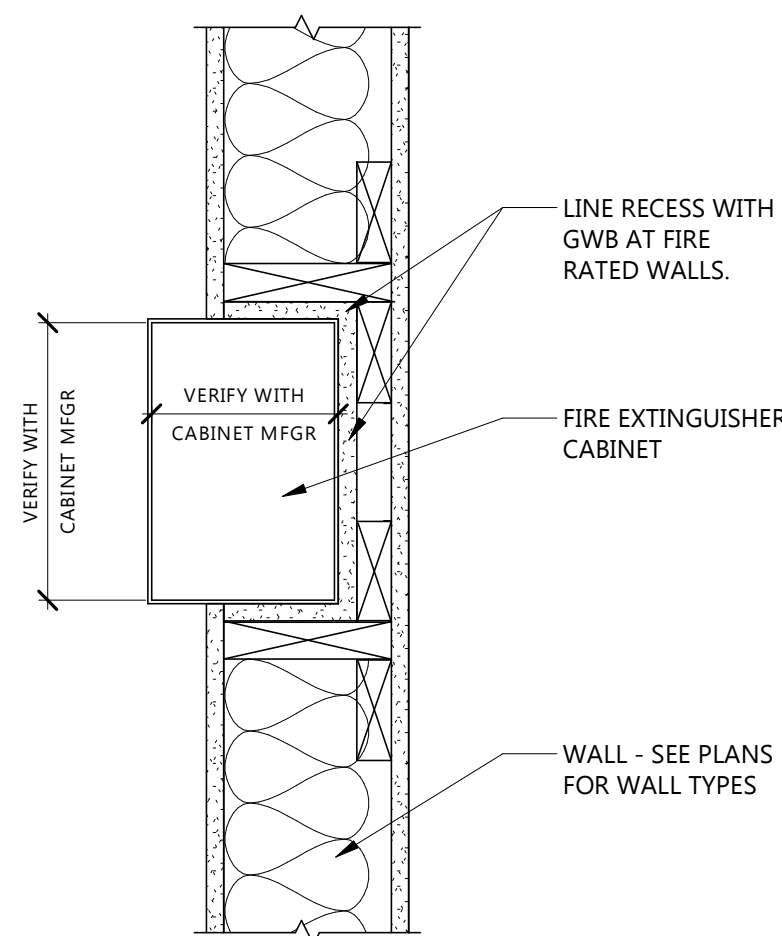


E1 EXTERIOR MTL PANEL ON SIP WALL



K NON-RATED WOOD STUD FURRED WALL

TYPE MARK	STUD DEPTH	WALL DEPTH	FIRE RATING	FIRE TEST	SOUND ATTENUATION			NOTES
					SAB	STC	TEST	
K2	2 1/8"	NR						
K3	3 1/8"	NR						
K4	3 1/2"	<varies>	NR					
K6	5 1/2"	6 1/8"	NR					
K8	7 1/4"	7 7/8"	NR					



1 SEMI-RECESSED FEC

GENERAL INTERIOR PARTITION NOTES

- SEE FLOOR PLANS FOR EXTENT OF EACH WALL
- ON ALL RESTROOM WALLS AND OTHER AREAS SCHEDULED TO RECEIVE FRP OR TILE FINISH, PROVIDE A MINIMUM OF MOISTURE-RESISTANT GYPSUM BOARD.
- ALL PARTITIONS CONTAINING PLUMBING OR HAVING AN EXTERIOR FACE SHALL BE INSULATED.
- WHERE GYPSUM BOARD EXTENDS TO UNDERSIDE OF STRUCTURE ABOVE, STOP GYPSUM BOARD 1/2" BELOW LINE OF STRUCTURE AND SEAL AS REQUIRED.
- REFERENCE FLOOR FINISH PLANS AND WALL FINISH PLANS FOR ADDITIONAL FINISHES NOT INDICATED ON PARTITION TYPES.
- REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATIONS OF WALL PENETRATIONS. SEAL ALL OPENINGS WITH ACOUSTICAL SEALANT.
- PROVIDE FIRE-TREATED WOOD OR STEEL BACKING FOR ALL WALL-MOUNTED FINISH CARPENTRY, ARCHITECTURAL WOODWORK, TOILET PARTITIONS, ACCESSORIES AND OTHER SIMILAR ITEMS.



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NEW TOWN GRANDSTANDS

CITY NEW TOWN
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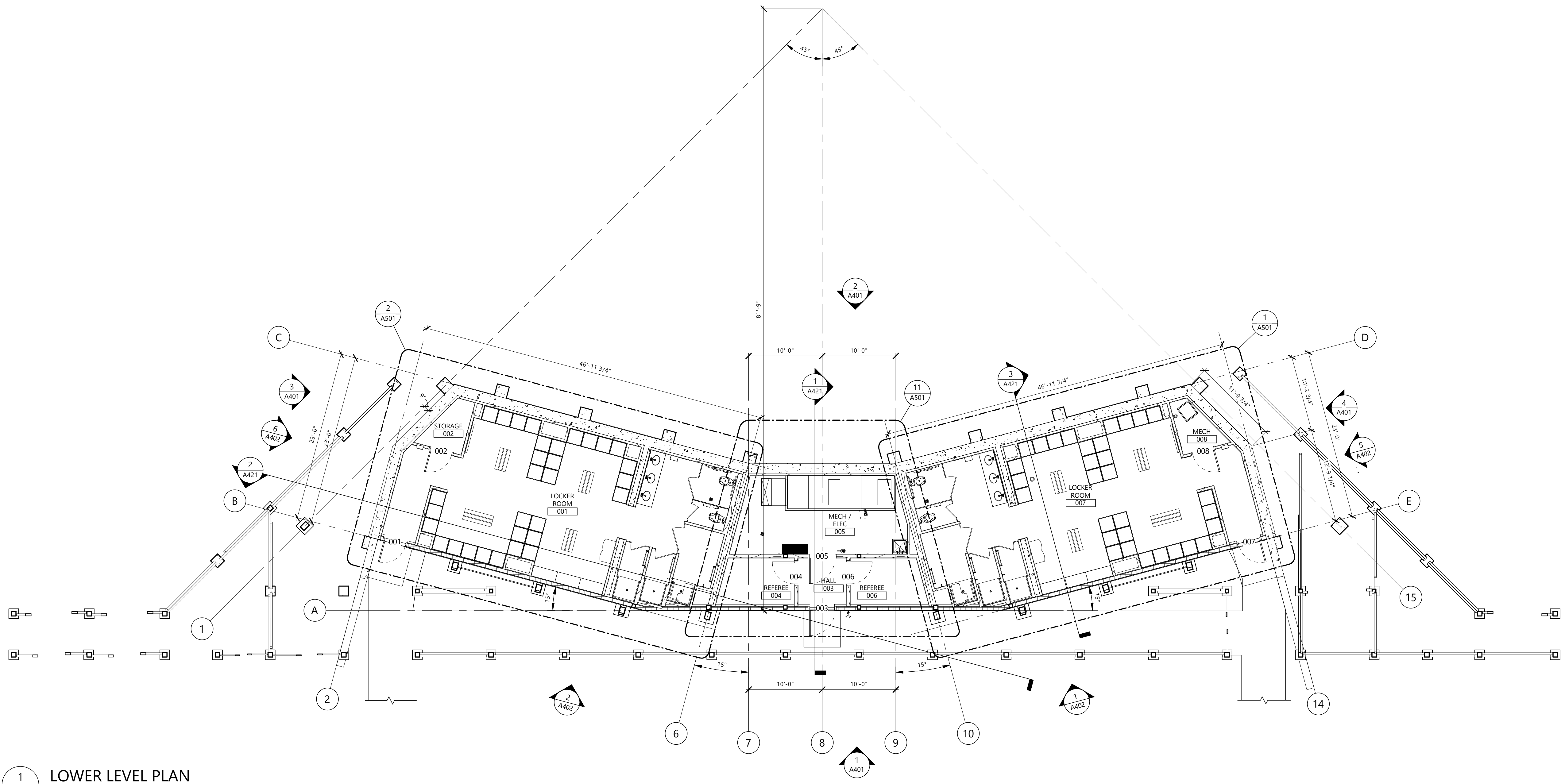
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DRAWING TITLE
WALL, FLOOR AND ROOF TYPES

A021

Revit Version: 2025
Plot Date: 8/17/2026 4:13:41 PM



1 LOWER LEVEL PLAN
A201
1/8" = 1'-0"

GENERAL NOTES

1. GENERAL NOTES APPLY TO ALL DRAWING SETS
2. SUBCONTRACTORS FOR EACH TRADE ARE ADVISED THAT INFORMATION PERTINENT TO THEIR WORK MAY OCCUR IN OTHER PORTIONS OF THE CONTRACT DOCUMENTS. ALL NOTES ARE TO BE REVIEWED AND APPLIED TO RELATED BUILDINGS DOCUMENTS.
3. FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS. NOTIFY ARCHITECT IMMEDIATELY IF ANY CONFLICTS OR DISCREPANCIES OCCUR BEFORE AND / OR DURING CONSTRUCTION.
4. CROSS REFERENCES SHOWN ON DRAWINGS DO NOT NECESSARILY INDICATE ALL LIKE CONDITIONS AND DO NOT LIMIT APPLICATION OF ANY DRAWING OF DETAIL WHERE SPECIFIC DIMENSIONS, DETAILS, OR DESIGN INTENT CANNOT BE DETERMINED, CONSULT THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.
5. REVIEW SPECIFICATIONS FOR INSTRUCTIONS NOT SHOWN ON DRAWINGS. INFORMATION COMMON TO SEVERAL DRAWINGS MAY BE NOTED ON ONLY ONE. CONTRACTOR IS RESPONSIBLE FOR ENTIRE SET OF DOCUMENTS.
6. ALL NEW CONSTRUCTION IS INDICATED BOLD OR FULL TONE
7. DIMENSIONS AT INTERIOR PARTITIONS ARE TO THE CENTER OF THE WALL UNLESS NOTED OTHERWISE.
8. PROVIDE FIRE RETARDANT WOOD BACKING AND / OR BLOCKING IN WALLS AS REQUIRED AT ALL WALL MOUNTED ITEMS.
9. DRAWINGS ARE NOT TO BE SCALED. CONTRACTOR TO VERIFY ALL DIMENSIONS & FIELD CONDITIONS PRIOR TO COMMENCING THE WORK.
10. REFER TO INTERIORS SHEET A901 FOR CORNER GUARD LOCATIONS AND DETAILS, FOR WALL PROTECTION AND HAND RAIL LOCATIONS AND DETAILS.
11. CAULK ALL COUNTERTOPS, BACKSPLASHES & CABINETS AT LOCATIONS WHERE THEY MEET WALL. SEAL ALL CUT-OUTS IN COUNTERTOPS.
12. ALL PIPING, CONDUITS, & RELATED MECHANICAL & ELECTRICAL ITEMS SHALL BE CONCEALED WITHIN DRYWALL AND/OR PLASTER FURRING AS REQUIRED IN FINISHED AREAS WHETHER SHOWN ON DRAWINGS OR NOT UNLESS OTHERWISE NOTED.
13. SEAL AROUND ALL MECHANICAL & ELECTRICAL EQUIPMENT PENETRATIONS AT RATED WALLS, ABOVE & BELOW CEILINGS, WITH A UL APPROVED FIRE-STOPPING MATERIAL - SEE SPECIFICATIONS.
14. ALL FURNITURE FOR REFERENCE ONLY (SHOWN DASHED) WILL BE OWNER FURNISHED & OWNER INSTALLED.
15. RADIUS EXPOSED COUNTERTOP CORNERS 2" RADIUS TYPICALLY. (2" WHERE 3MM EDGE BANDING, 1" RADIUS AT SSF EDGES.) U.N.O.
16. ALL NEW WALLS ARE TYPE 'B5' WALL PARTITIONS UNLESS NOTED OTHERWISE. SEE WALL TYPES SHEET A021.
17. REFER TO LIFE SAFETY PLANS AND FLOOR PLANS FOR LOCATION OF REQUIRED FIRE WALLS.
18. REFER TO ELEVATIONS FOR WALL MOUNTED EQUIPMENT. PROVIDE IN-WALL BLOCKING AS REQUIRED
19. FLOOR ELEVATION 100'-0" = 1929.33 ON CIVIL DRAWINGS.

KEYNOTE LEGEND:

◻ < < < INDICATES KEYNOTE ON PLAN



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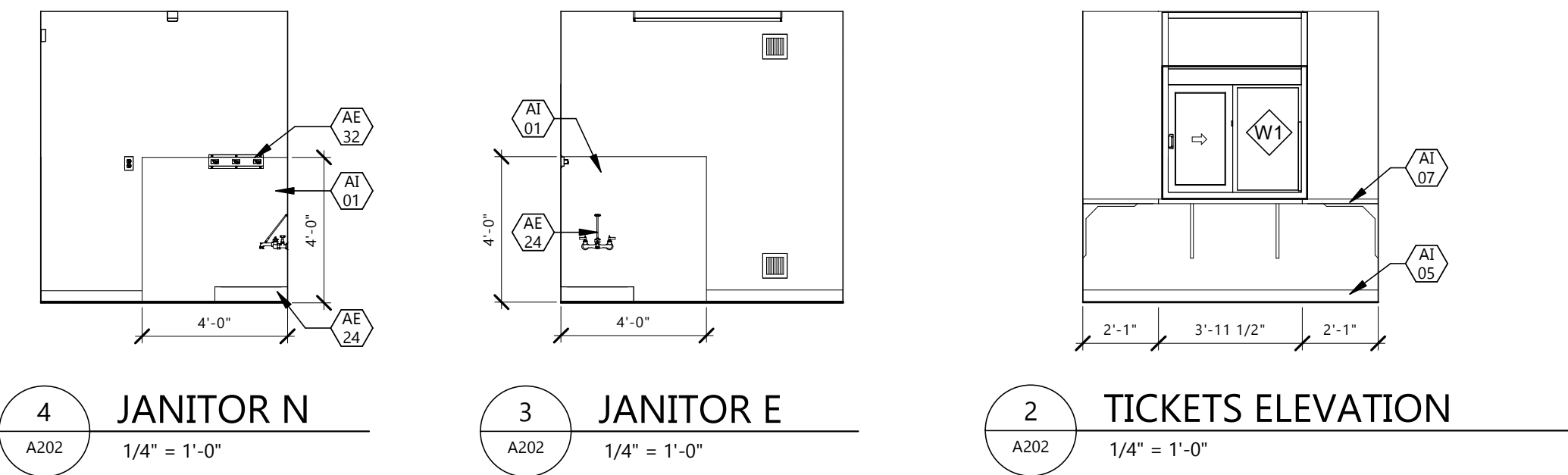
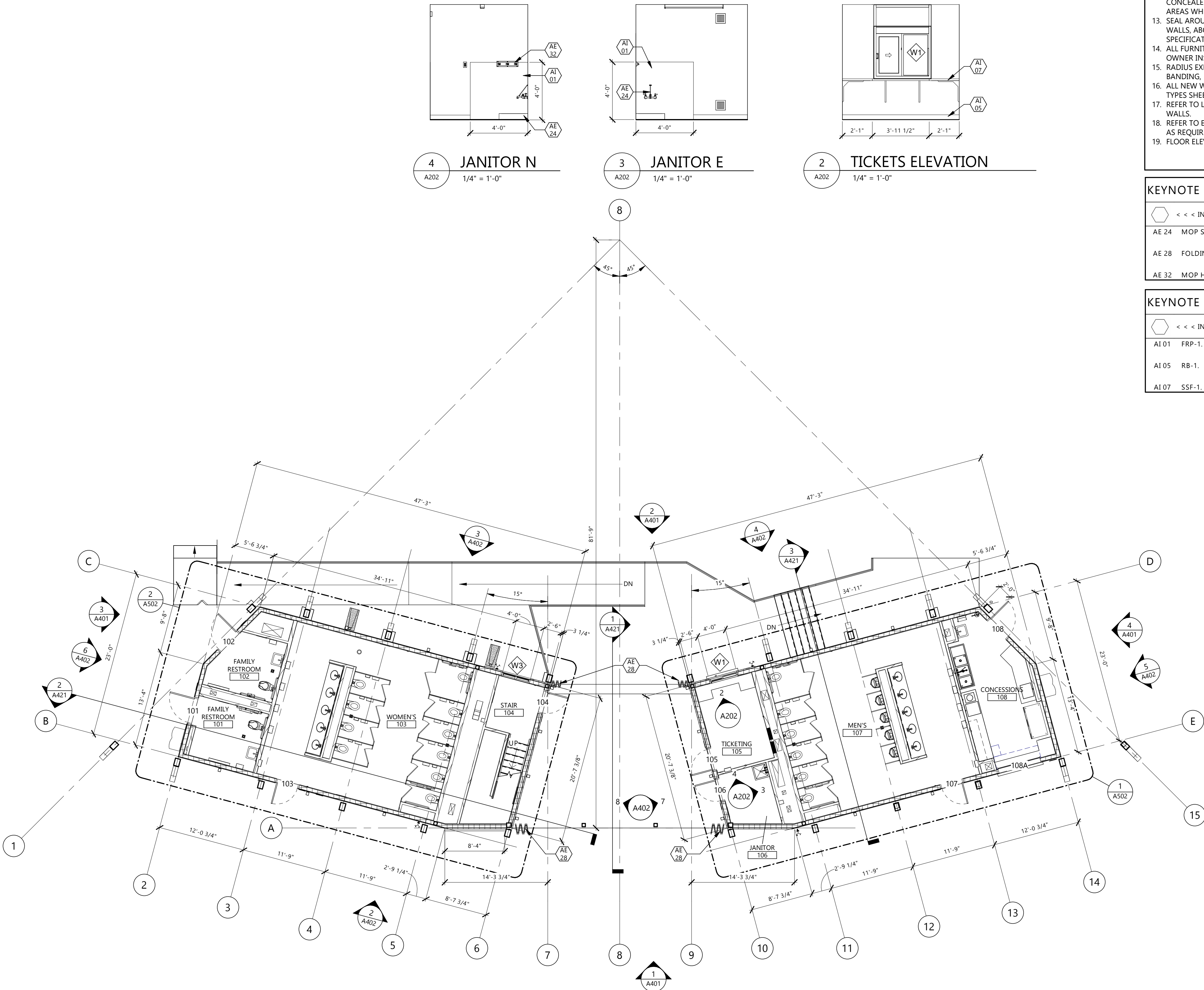
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DRAWING TITLE

LOWER FLOOR PLAN

A201

1
A202
MAIN LEVEL PLAN
1/8" = 1'-0"



- GENERAL NOTES
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KEYNOTE LEGEND:	
	< < < INDICATES KEYNOTE ON PLAN
AE 24	MOP SINK - SEE PLUMB.
AE 28	FOLDING GATE - SEE SPEC.
AE 32	MOP HOLDER.

KEYNOTE LEGEND:	
	< < < INDICATES KEYNOTE ON PLAN
AI 01	FRP-1.
AI 05	RB-1.
AI 07	SSF-1.



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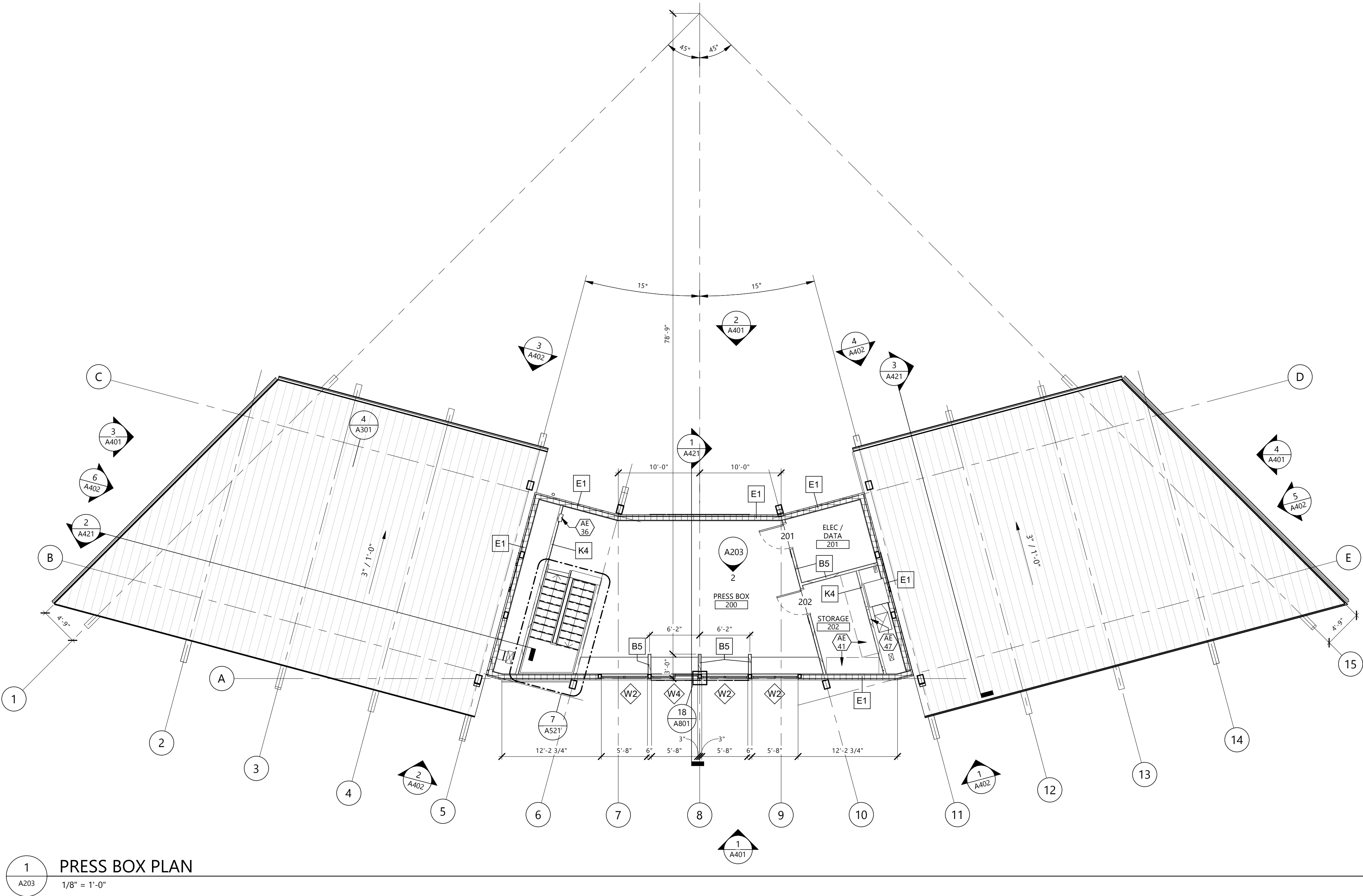
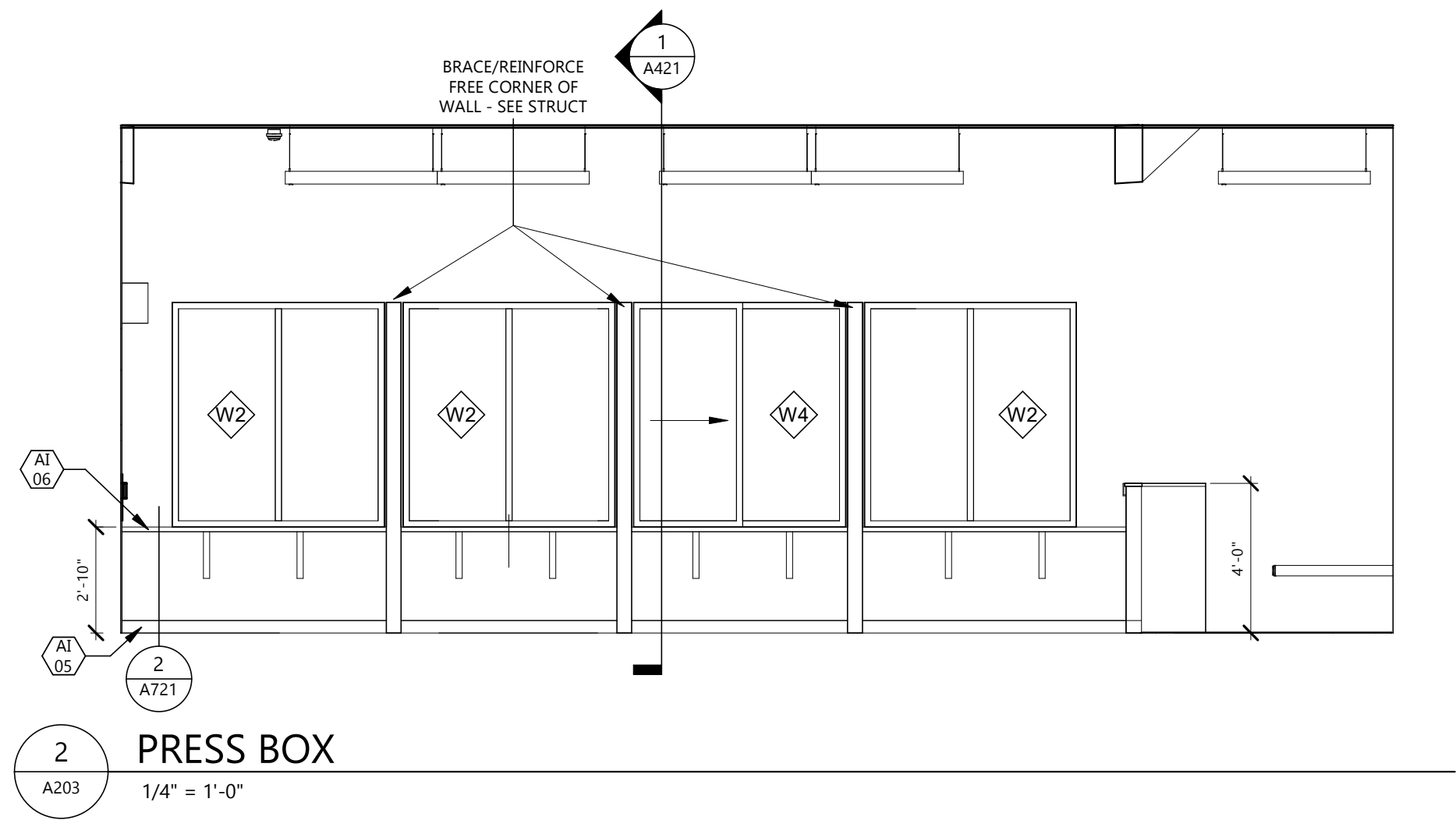
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DRAWING TITLE
MAIN FLOOR PLAN

A202

DECK OMITTED FOR CLARITY, SEE A003





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 - ALL PIPING, CONDUITS, & RELATED MECHANICAL & ELECTRICAL ITEMS SHALL BE CONCEALED WITHIN DRYWALL AND/OR PLASTER FURRING AS REQUIRED IN FINISHED AREAS WHETHER SHOWN ON DRAWINGS OR NOT UNLESS OTHERWISE NOTED.
 - SEAL AROUND ALL MECHANICAL & ELECTRICAL EQUIPMENT PENETRATIONS AT RATED WALLS, ABOVE & BELOW CEILINGS, WITH A UL APPROVED FIRE-STOPPING MATERIAL - SEE SPECIFICATIONS.
 - ALL FURNITURE FOR REFERENCE ONLY (SHOWN DASHED) WILL BE OWNER FURNISHED & OWNER INSTALLED.
 - RADIUS EXPOSED COUNTERTOP CORNERS 2" RADIUS TYPICALLY. (2" WHERE 3MM EDGE BANDING, 1" RADIUS AT SSF EDGES.) U.N.O.
 - ALL NEW WALLS ARE TYPE 'B5' WALL PARTITIONS UNLESS NOTED OTHERWISE. SEE WALL TYPES SHEET A021.
 - REFER TO LIFE SAFETY PLANS AND FLOOR PLANS FOR LOCATION OF REQUIRED FIRE WALLS.
 - REFER TO ELEVATIONS FOR WALL MOUNTED EQUIPMENT. PROVIDE IN-WALL BLOCKING AS REQUIRED.
 - FLOOR ELEVATION 100'-0" = 1929.33 ON CIVIL DRAWINGS.

KEYNOTE LEGEND:

	< < < INDICATES KEYNOTE ON PLAN
AE 36	FIRE EXTINGUISHER CABINET.
AE 41	SHELVING B.O.
AE 47	24" X 24" WALL MOUNTED ACCESS PANEL. INSTALL ABOVE WALL FINISH/FURNISHINGS. GC TO COORDINATE EXACT LOCATION IN FIELD - SEE MECH.
AI 05	RB-1.
AI 06	PL-2.

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NEW TOWN SCHOOL DISTRICT

PROJECT DESCRIPTION
NEW TOWN GRANDSTANDS

CITY **NEW TOWN**
STATE **ND**

ISSUE DATES

CD	CONSTRUCTION DOCUMENTS	08/17/2026
MARK	DESCRIPTION	DATE

PROJECT NO: **20263400**
DRAWN BY: **MGB**
CHECKED BY: **PAB**

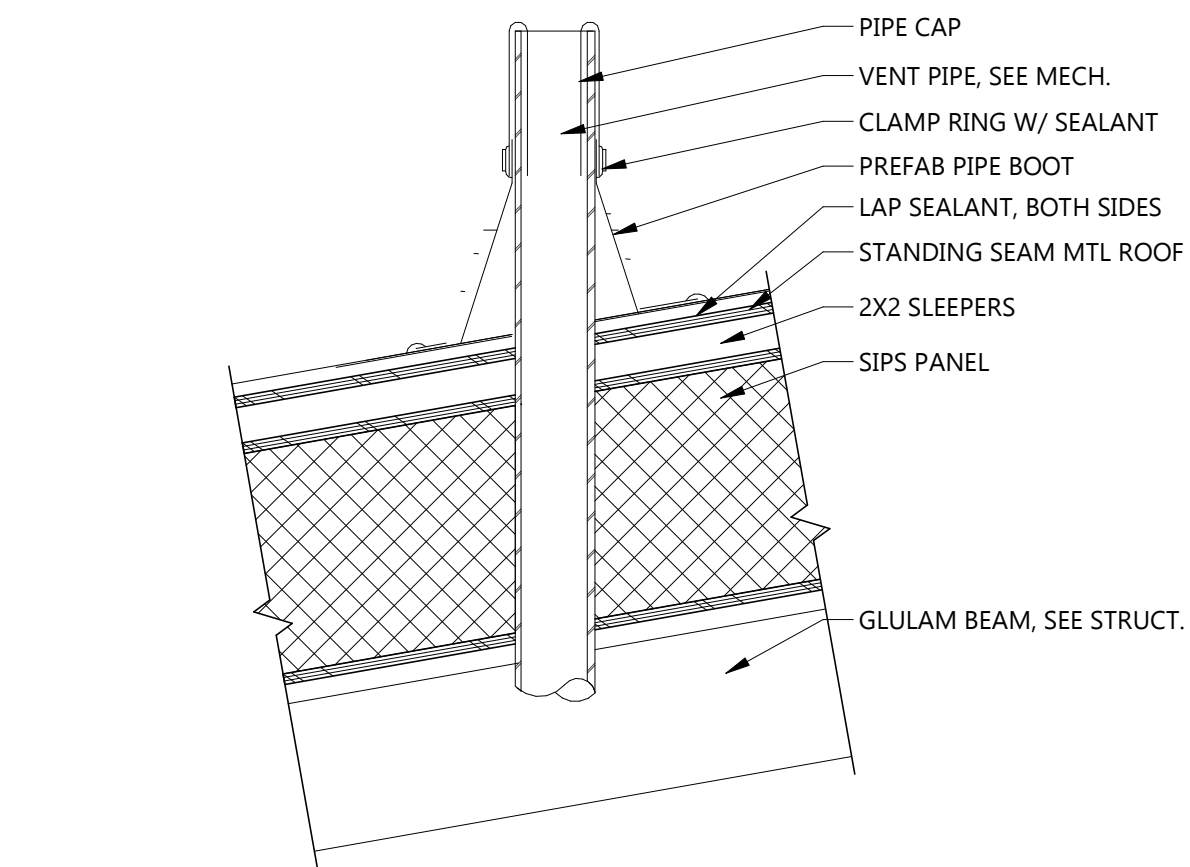
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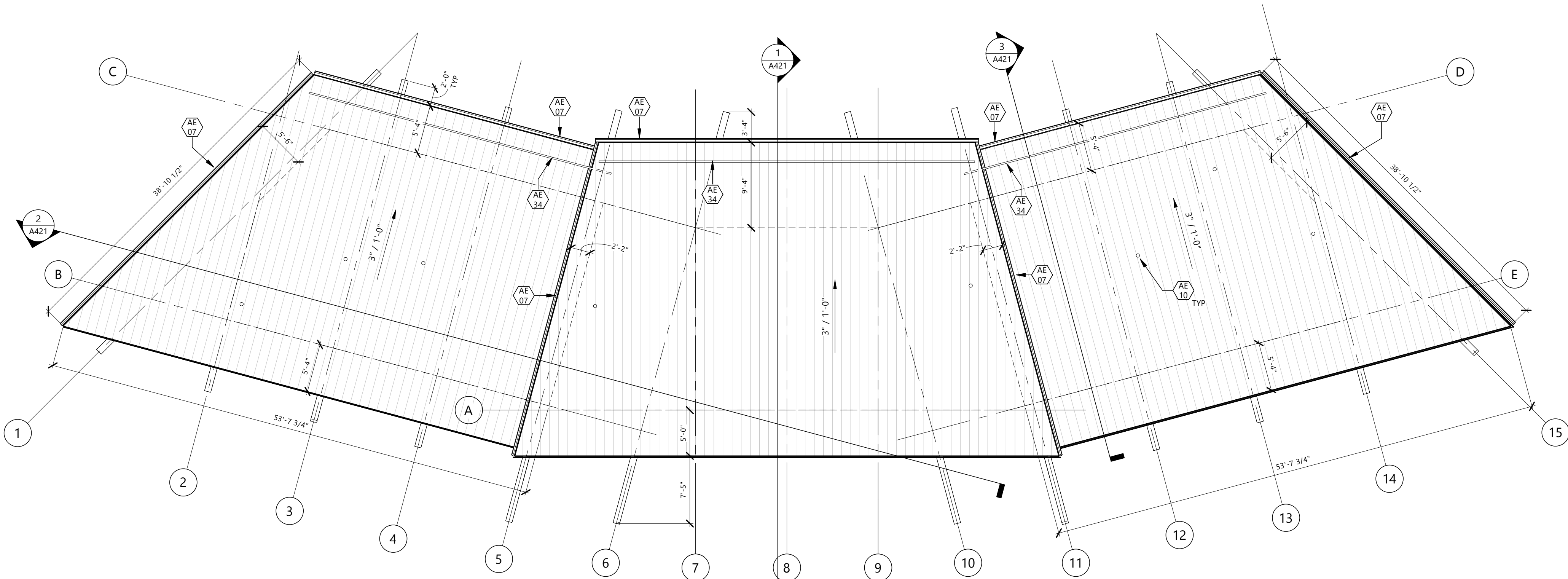
DRAWING TITLE
PRESS BOX PLAN & INTERIOR ELEVATION

A203

Revit Version: 2025
Plot Date: 8/17/2026 4:13:46 PM



2 VTR DETAIL
1 1/2" = 1'-0"



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

KEYNOTE LEGEND

< < < INDICATES KEYNOTE ON PLAN

AE 07 PREFIN. MTL GUTTER.

AE 10 VTR - SEE MECH.

AE 34 SNOW GUARD.



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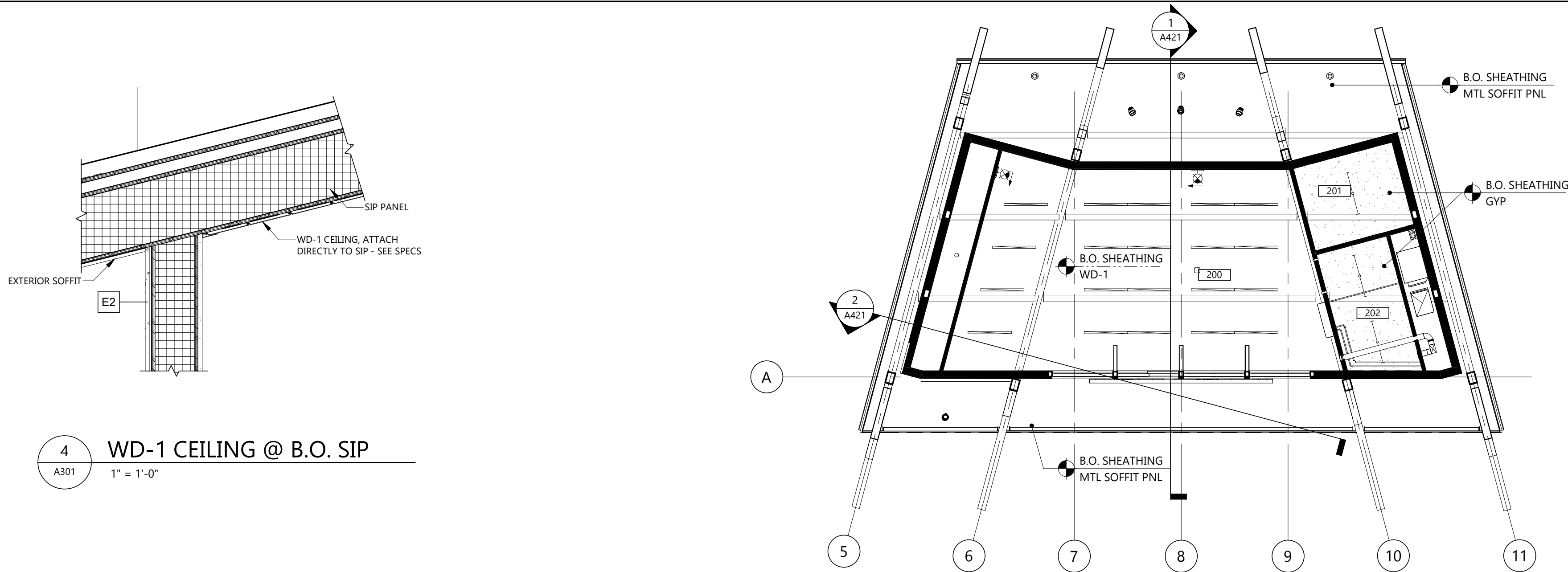
Date: 08/17/2026 REG. NO.: 2002

DRAWING TITLE

ROOF PLAN

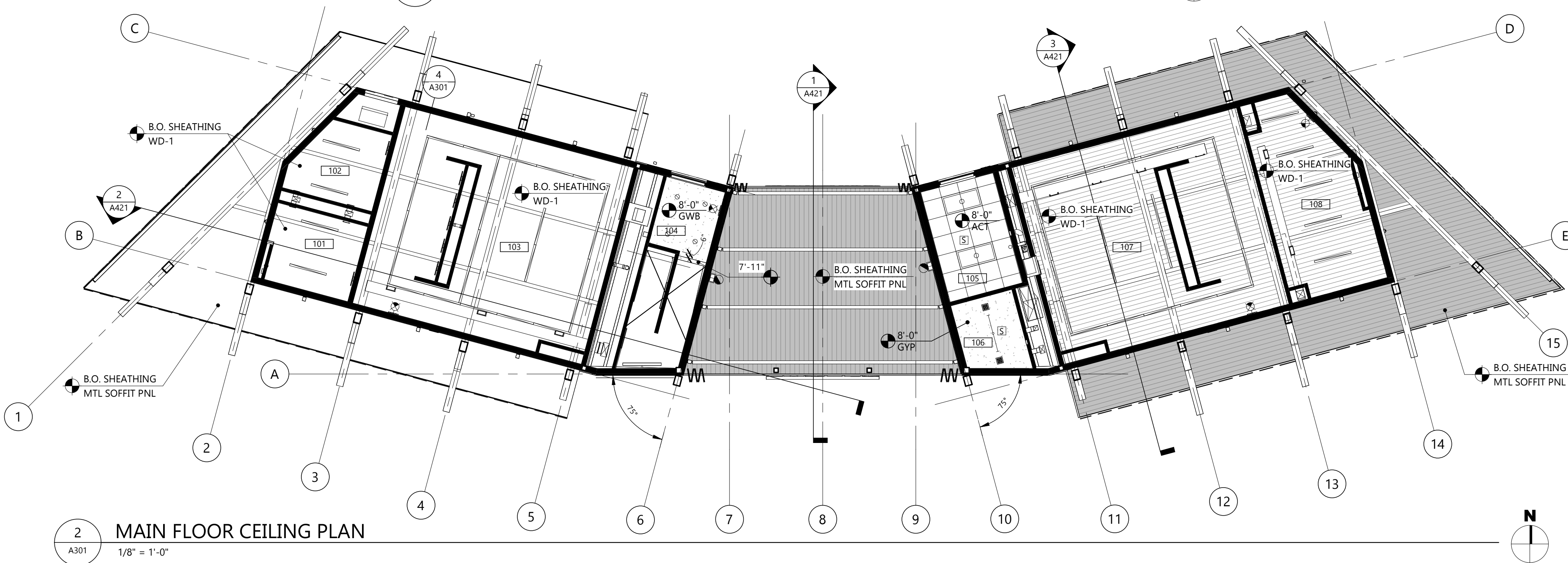
A221

Revit Version: 2025
Plot Date: 8/17/2026 4:13:48 PM

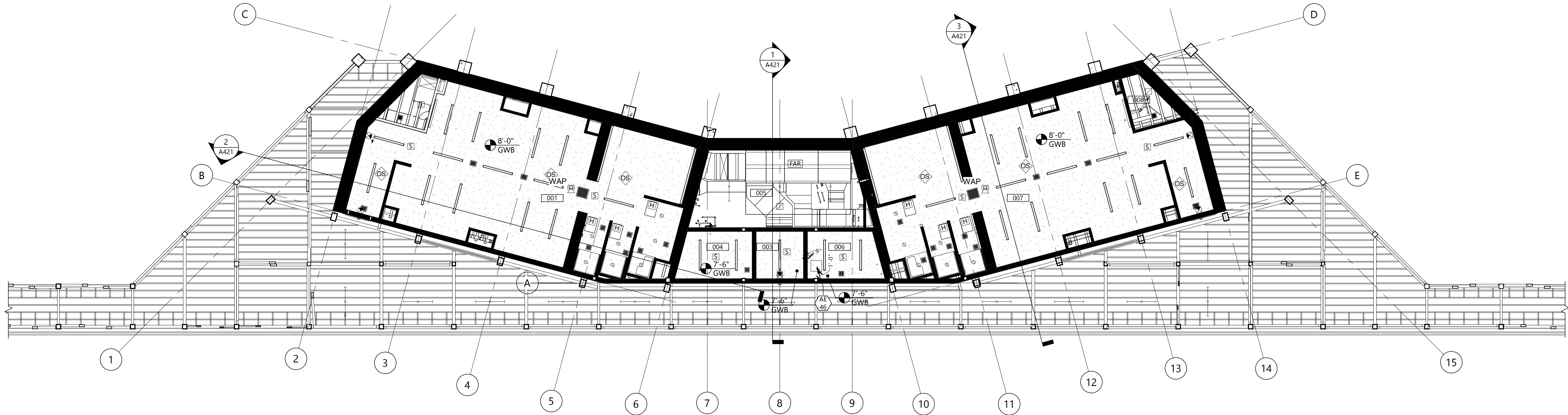


4 WD-1 CEILING @ B.O. SIP
A301 1" = 1'-0"

3 PRESS BOX CEILING PLAN
A301 1/8" = 1'-0"



2 MAIN FLOOR CEILING PLAN
A301 1/8" = 1'-0"



1 LOWER LEVEL CEILING PLAN
A301 1/8" = 1'-0"

CEILING PLAN SYMBOLS

AIR DISTRIBUTION SYMBOLS		TYPICAL SUSPENDED CEILING GRID	
	DIFFUSER SUPPLY		GYPSUM WALL BOARD OR PLASTER
	DIFFUSER RETURN		WOOD CEILING
	ACCESS PANEL		MTL SOFFIT PANEL
	SLOT OR LINEAR DIFFUSER OR RETURN		ACOUSTIC CEILING TILE
MISCELLANEOUS		LIGHT FIXTURES	
	PUBLIC ADDRESS OR AS SHOWN		SUSPENDED
	SMOKE DETECTOR		RECESSED
	VENT		TRACK LIGHT
	WIRELESS ACCESS POINT		24\"X48\" LIGHT
	OCCUPANCY SENSOR		EXIT LIGHT
	HEATER	WALL HEIGHT	
			WALL TO EXTEND FULL HEIGHT TO STRUCTURE ABOVE
			WALL TO EXTEND 6\" ABOVE CEILING CONSTRUCTION

GENERAL CEILING NOTES

1. PROVIDE GYPSUM WALL BOARD AND METAL STUD BULK HEADS WHERE CEILINGS OF DIFFERENT HEIGHTS ABUT. DO NOT BUILD BULKHEADS OF ACOUSTICAL CEILING MATERIALS UNLESS SPECIFICALLY DETAILED.
2. REFER TO MECHANICAL DRAWINGS FOR QUANTITY AND TYPE OF DIFFUSERS, RETURN GRILLES AND EXHAUST GRILLES, ETC. SCRIBE CEILING MATERIALS FOR A TIGHT FIT.
3. REFER TO ELECTRICAL DRAWINGS FOR QUANTITY AND TYPE OF LIGHTS, SPEAKERS, DETECTORS, POWER OUTLETS, ETC. SCRIBE CEILING MATERIALS FOR A TIGHT FIT. WHERE DEVICES ARE NOT SHOWN ON PLAN, FIELD VERIFY LOCATION AND QUANTITY PRIOR TO REMOVAL. THESE DEVICES WILL BE RELOCATED INTO NEW PLAN.
4. FIRE SPRINKLER CONTRACTOR IS REQUIRED TO PROVIDE FINAL DESIGN OF ENTIRE SPRINKLER SYSTEM FOR THE PROJECT AREA. SPRINKLER CONTRACTOR IS REQUIRED TO SUBMIT ALL REQUIRED INFORMATION TO REVIEW AGENCIES FOR APPROVAL AND PERMITS.
5. CONTRACTOR TO FIELD VERIFY EXTENT OF CEILING REPLACEMENT. CONTRACTOR TO COORDINATE WITH ALL TRADES. CONTRACTORS OPTION TO REPLACE CEILING TO OWNER'S SATISFACTION OR TO PROVIDE NEW CEILING MATERIAL REPAIR ANY EXISTING AREAS DAMAGED BY CONSTRUCTION OF THIS PROJECT.
6. GENERAL CONTRACTOR TO COORDINATE CEILING MOUNTED EQUIPMENT SUPPORT REQUIREMENTS, LOCATIONS, DIMENSIONS, ETC. WITH EQUIPMENT SUPPLIER AND OWNER PRIOR TO INSTALLATION.
7. CEILING MOUNTED ITEMS SUCH AS LIGHT FIXTURES, GRILLES, DIFFUSERS, SPEAKERS, EXIT LIGHTS, ETC. SHALL BE LOCATED IN THE CENTER OF CEILING PANELS, GYPSUM BOARD SOFFITS, AND/OR PLASTER SOFFIT BAYS UNLESS NOTED OTHERWISE. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS.
8. FINISHED GYPSUM BOARD SOFFITS SHALL EXTEND 1\" BEYOND FACE AND EXPOSED ENDS OF WALL CABINETS, FULL-HEIGHT CABINETS, ETC. UNLESS NOTED OTHERWISE. COORDINATE CABINET DIMENSIONS WITH SUPPLIER GYPSUM BOARD FASCIA/SOFFIT DETAILS ARE REFLECTED FROM THE REFLECTED CEILING PLAN.
9. IN REMODELING WORK IN EXISTING ACOUSTIC CEILING TILE SUSPENSION SYSTEM REMOVE EXISTING PANELS. CUT AS REQUIRED FOR CONSTRUCTION, AND REINSTALL. REPLACE DAMAGED OR SOILED PANELS WITH ACOUSTIC CEILING TILE TO MATCH EXISTING.
10. VERTICAL FACE OF SOFFITS THAT ALIGN WITH WALL TO RECEIVE ADJACENT WALL FINISH UNLESS NOTED OTHERWISE.
11. UNISTRUT TO BE DESIGN BUILD. COORDINATE CLOSELY WITH EQUIPMENT DRAWINGS FOR LOCATIONS OF ALL LIGHTS AND ROOMS.
12. ACCESS PANELS SIZE, LOCATION AND QUANTITY COORDINATE WITH MECHANICAL.

KEYNOTE LEGEND:

	< < < INDICATES KEYNOTE ON PLAN
AE 46	18\"X18\" ACCESS PANEL - VERIFY WITH MECH.



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PROJECT DESCRIPTION
NEW TOWN GRANDSTANDS

CITY NEW TOWN
STATE ND

ISSUE DATES

CD	CONSTRUCTION DOCUMENTS	08/17/2026
MARK	DESCRIPTION	DATE

PROJECT NO: 20263400
DRAWN BY: MGB
CHECKED BY: PAB

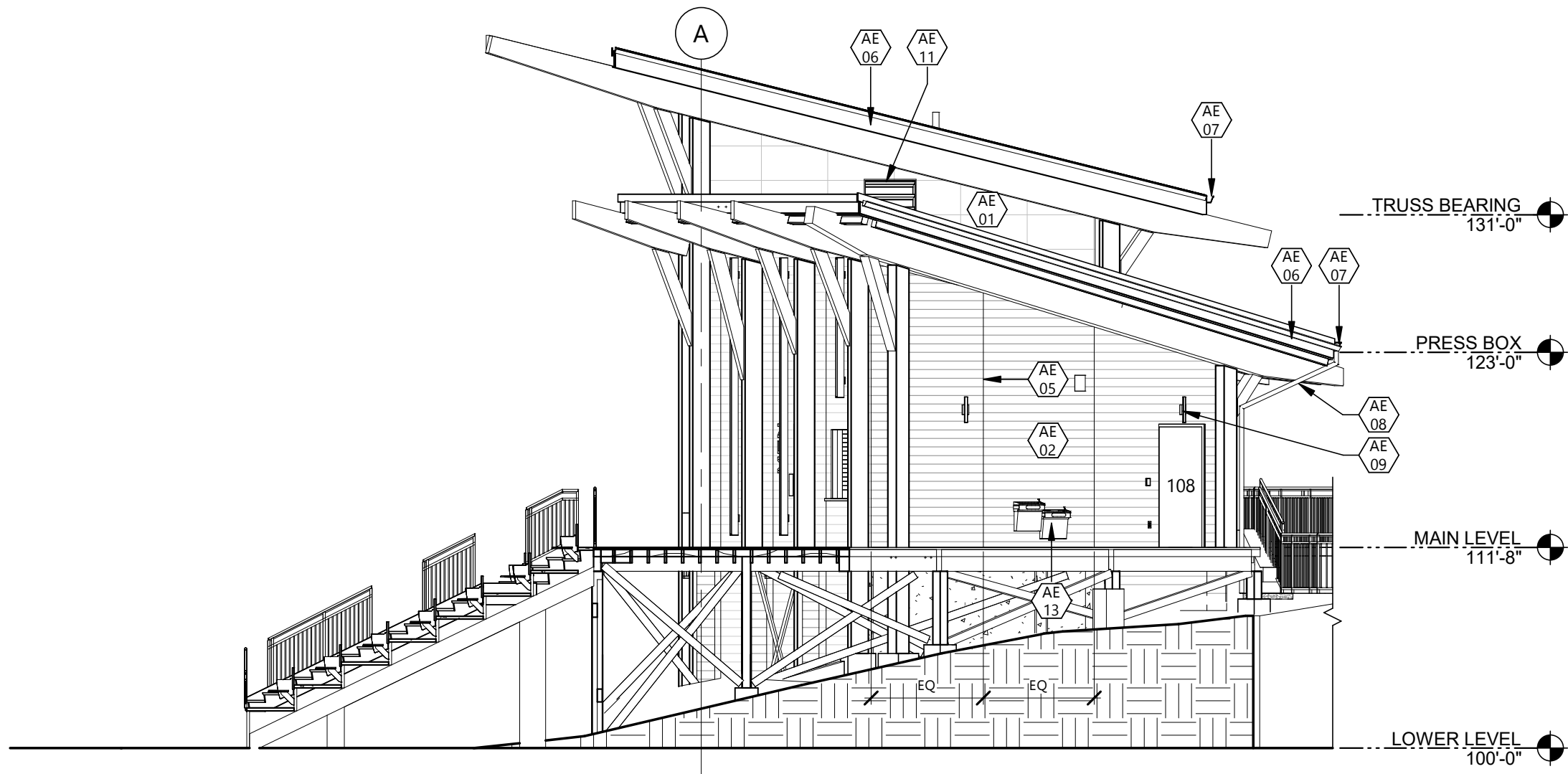
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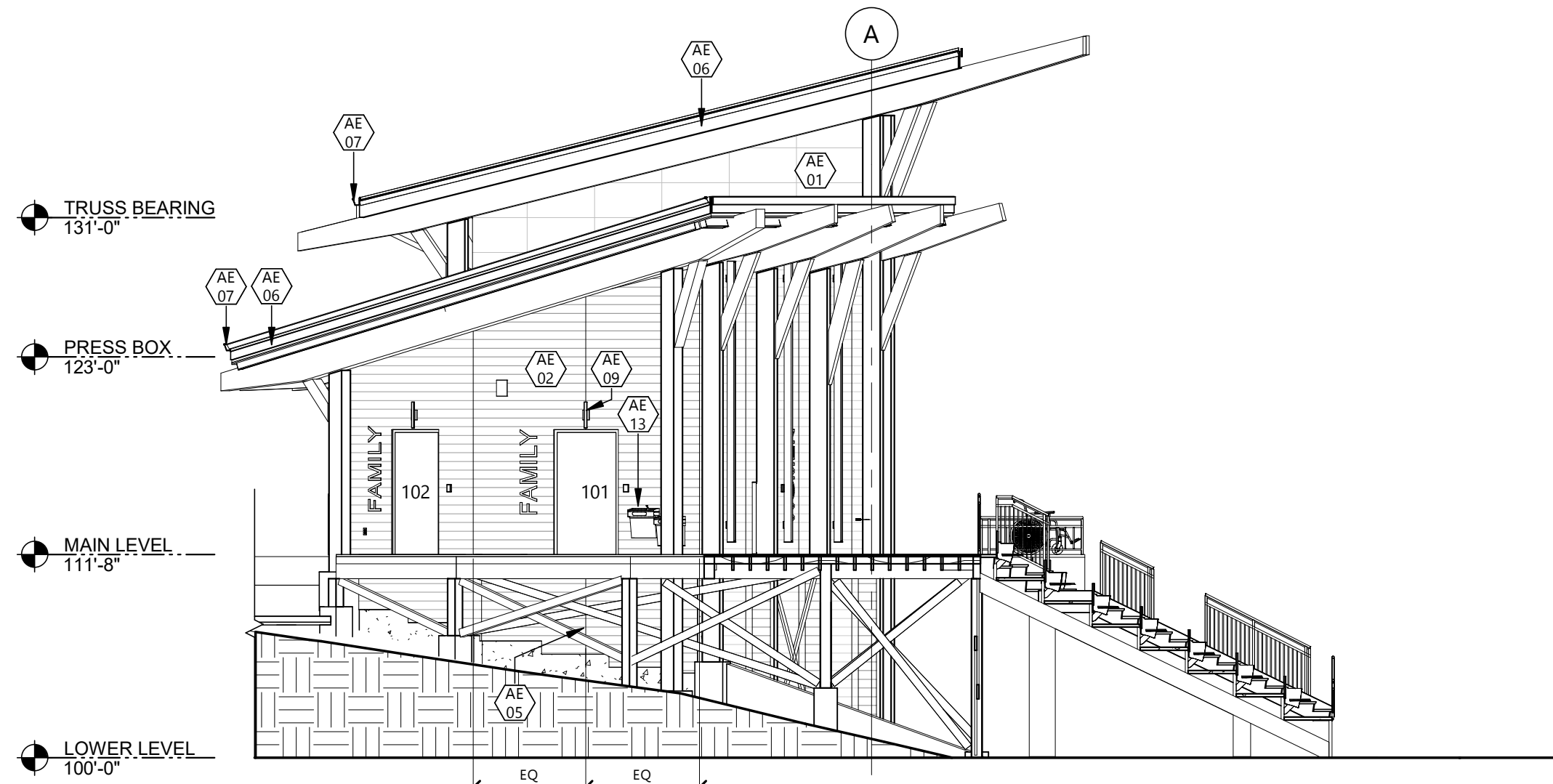
Signature:
Date: 08/17/2026 REG. NO.: 2002

DRAWING TITLE
REFLECTED CEILING PLANS

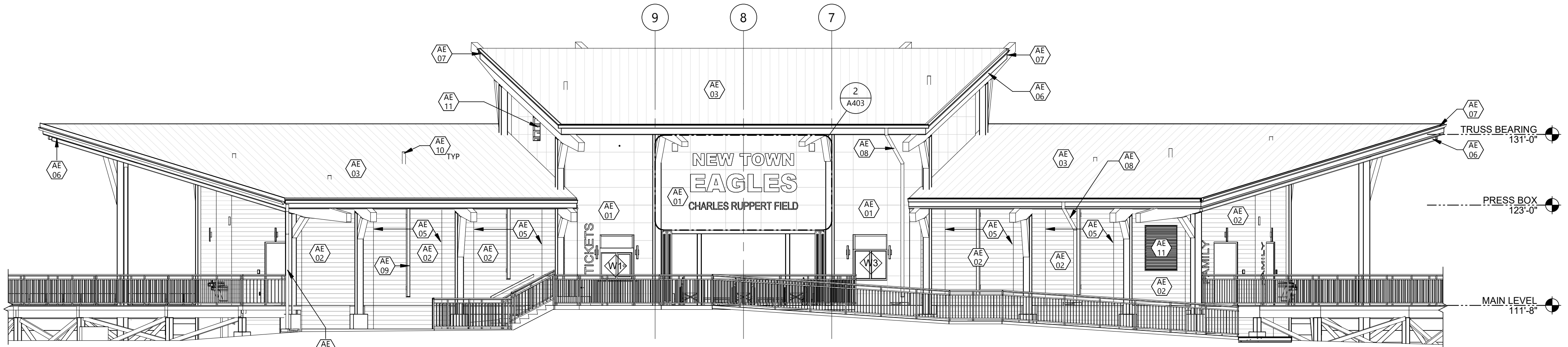
A301



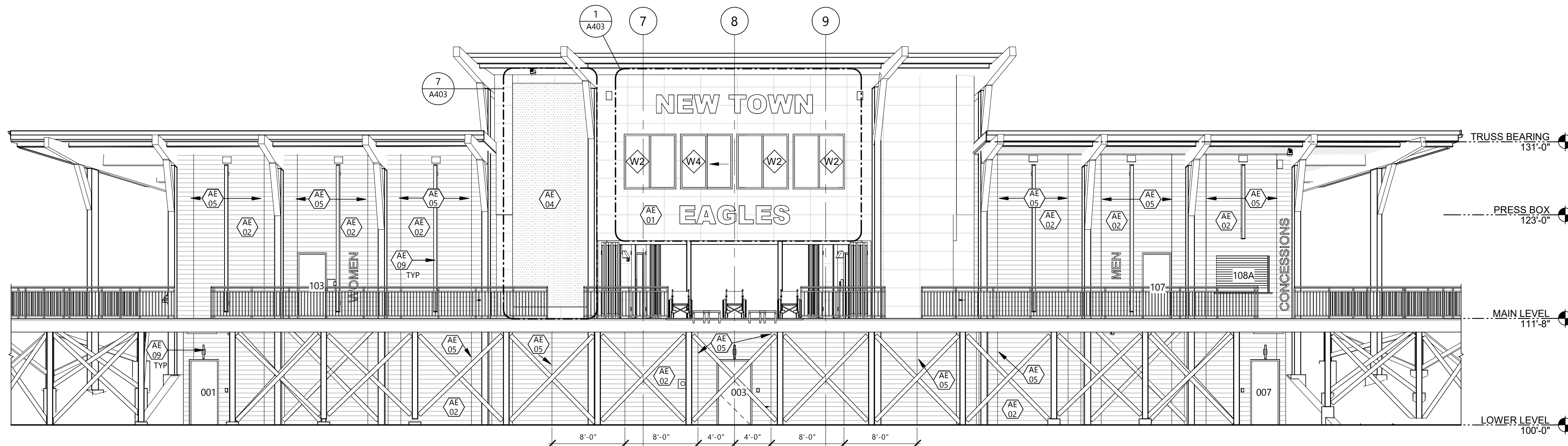
4 EAST OVERALL ELEVATION
A401 1/8" = 1'-0"



3 WEST OVERALL ELEVATION
A401 1/8" = 1'-0"



2 NORTH OVERALL ELEVATION
A401 1/8" = 1'-0"



1 SOUTH OVERALL ELEVATION
A401 1/8" = 1'-0"

KEYNOTE LEGEND:

<<<

<<< INDICATES KEYNOTE ON PLAN

AE 01 CUSTOM METAL COMPOSITE PANEL - SEE SPEC. BOD ALUCOBOND CUSTOM FINISH.

AE 02 FIBER CEMENT PANEL - SEE SPEC. BOD NICHHA VINTAGEWOOD.

AE 03 STANDING SEAM METAL ROOF - SEE SPEC.

AE 04 PERFORATED METAL PANEL W/ LED BACKLIGHTING - SEE ELEC. & SPECS

AE 05 'H' CHANNEL - TYP. NOTATION.

AE 06 PREFIN. MTL FASCIA.

AE 07 PREFIN. MTL GUTTER.

AE 08 PREFIN. MTL DOWNSPOUT.

AE 09 EXT. LIGHTING - SEE ELEC.

AE 10 VTR - SEE MECH.

AE 11 LOUVER - SEE MECH.

AE 13 WATER FOUNTAIN W/ BOTTLE FILLER - SEE PLUMB.

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PROJECT DESCRIPTION
NEW TOWN GRANDSTANDS

CITY NEW TOWN
STATE ND

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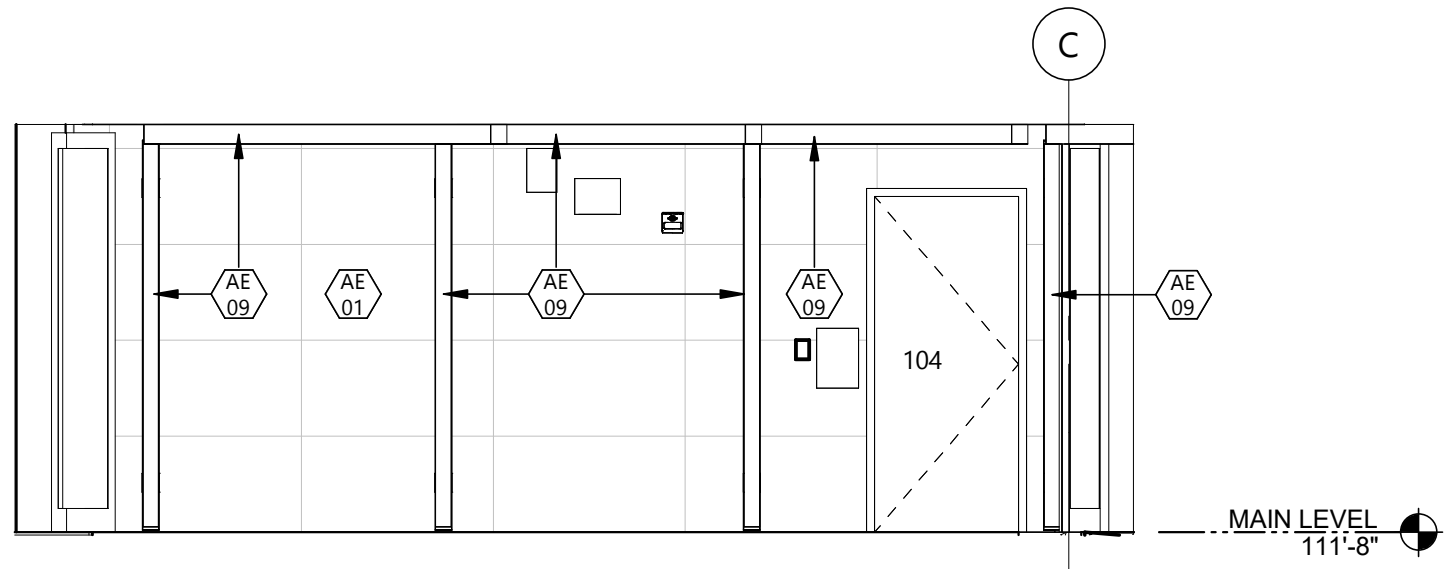
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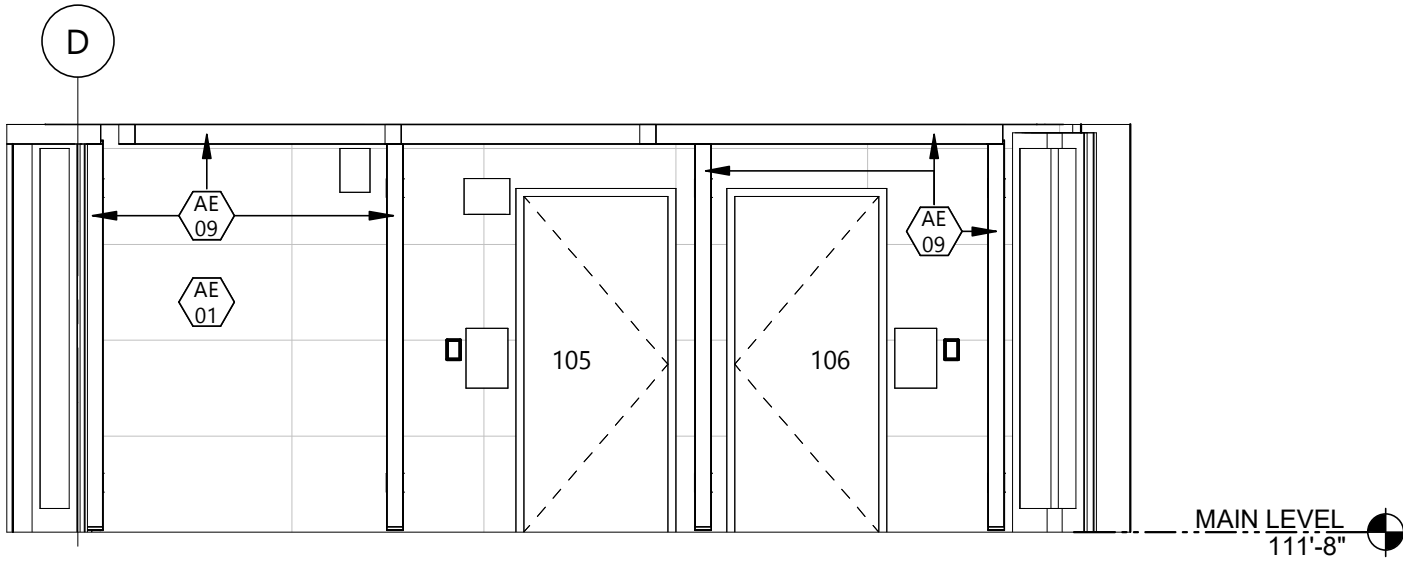
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DRAWING TITLE
BUILDING ELEVATIONS - OVERALL

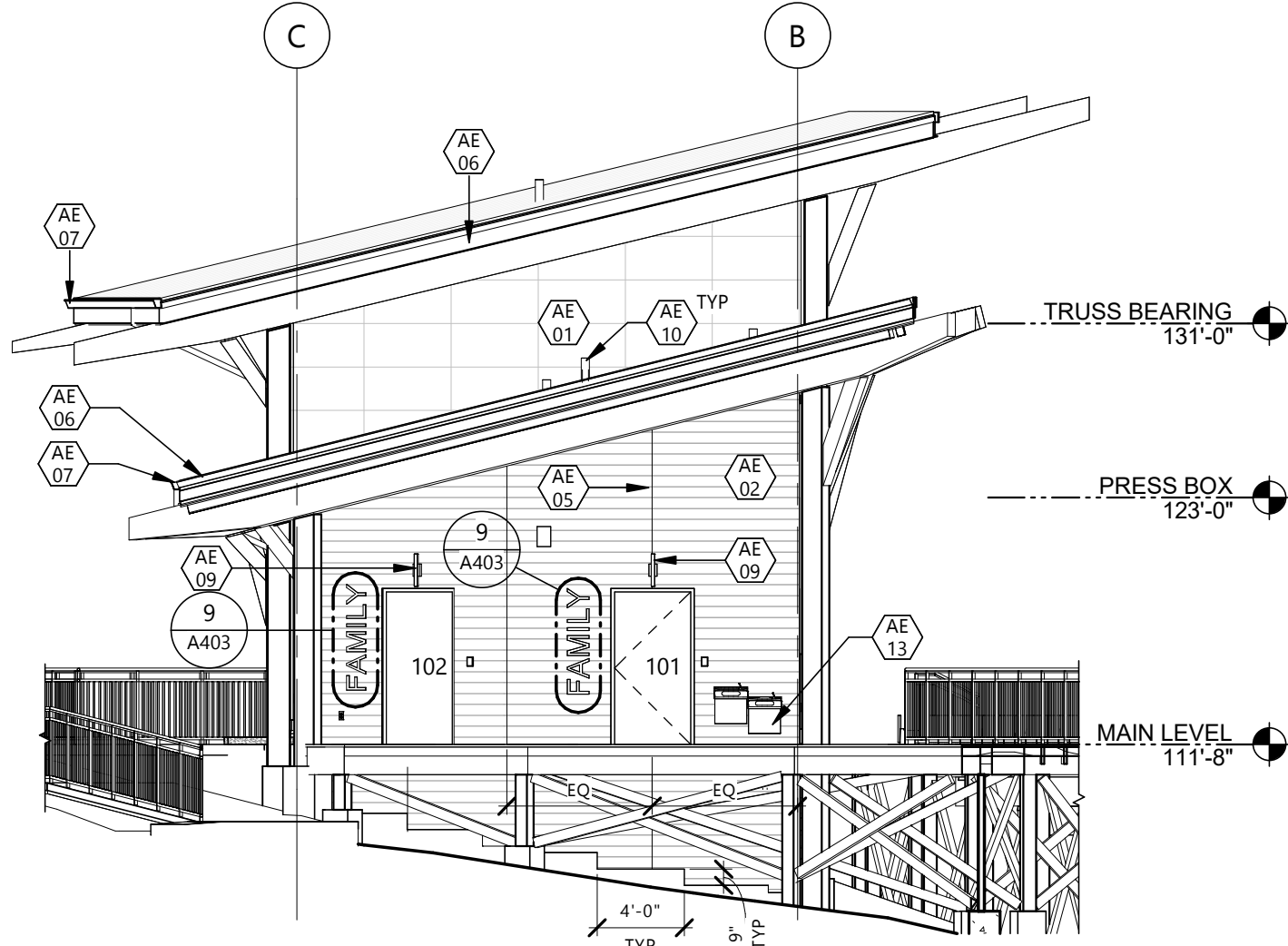
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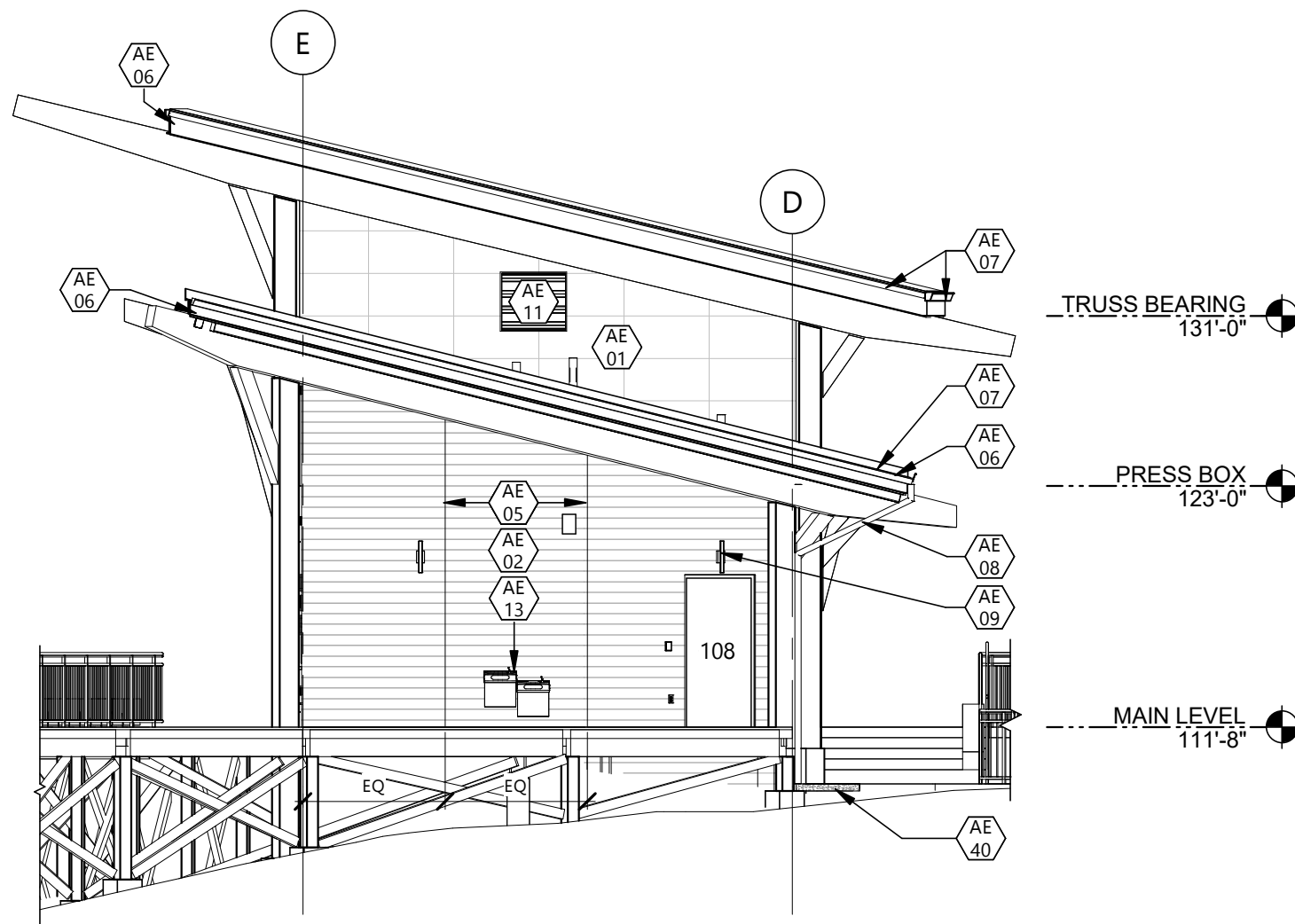
8 WALK-THROUGH EAST EXT ELEV
A402 1/4" = 1'-0"



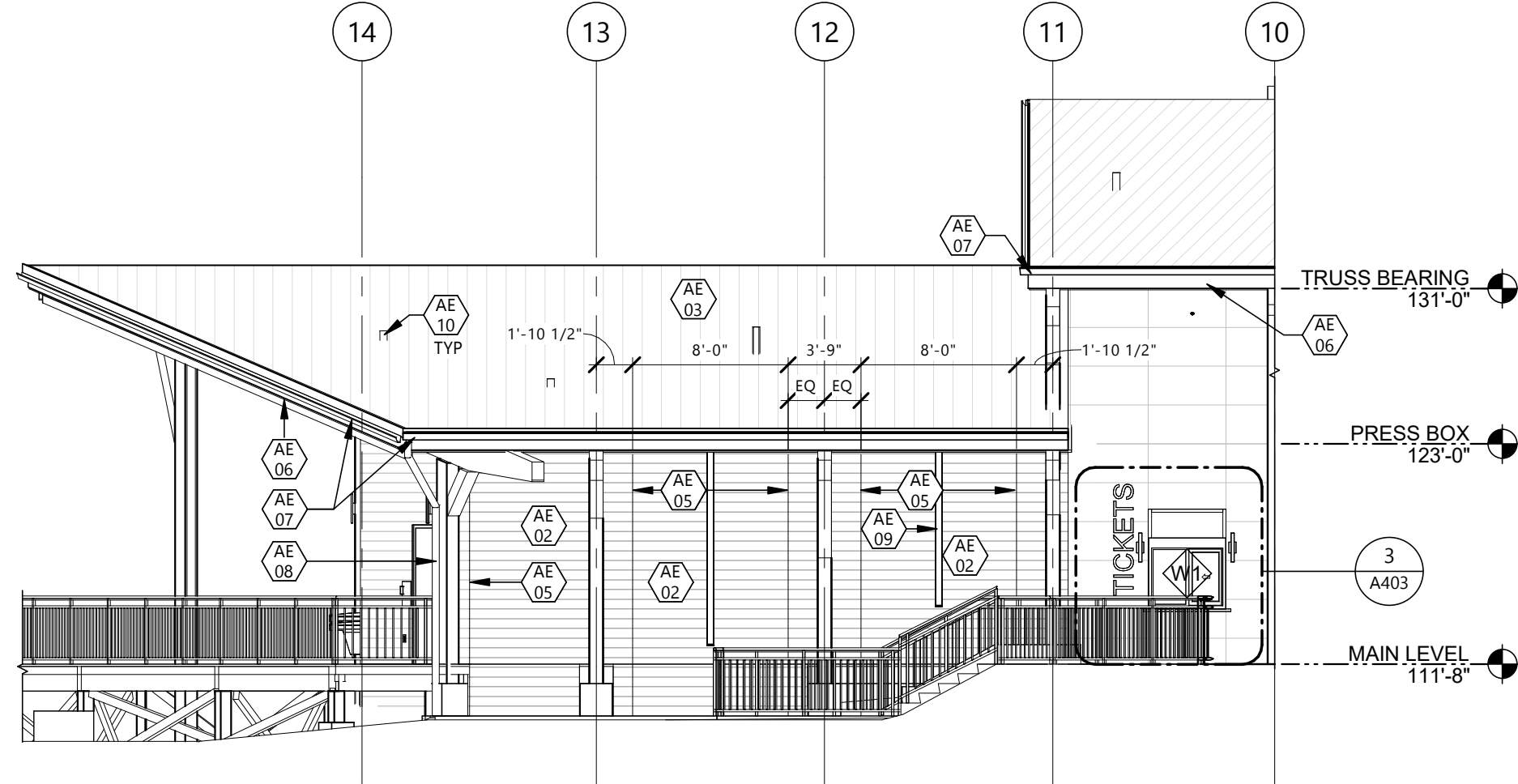
7 WALK-THROUGH WEST EXT ELEV
A402 1/4" = 1'-0"



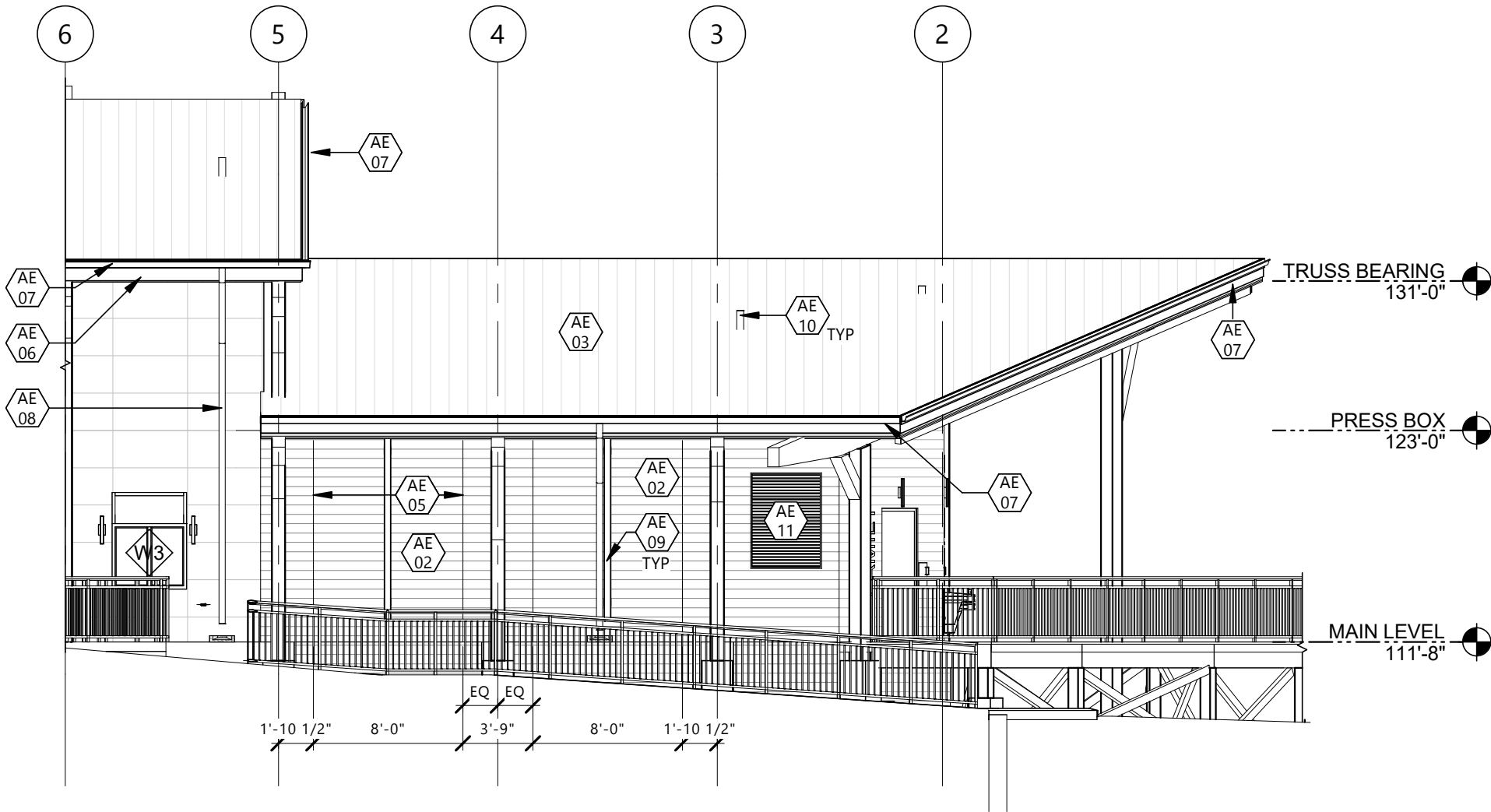
6 WEST EXT ELEVATION
A402 1/8" = 1'-0"



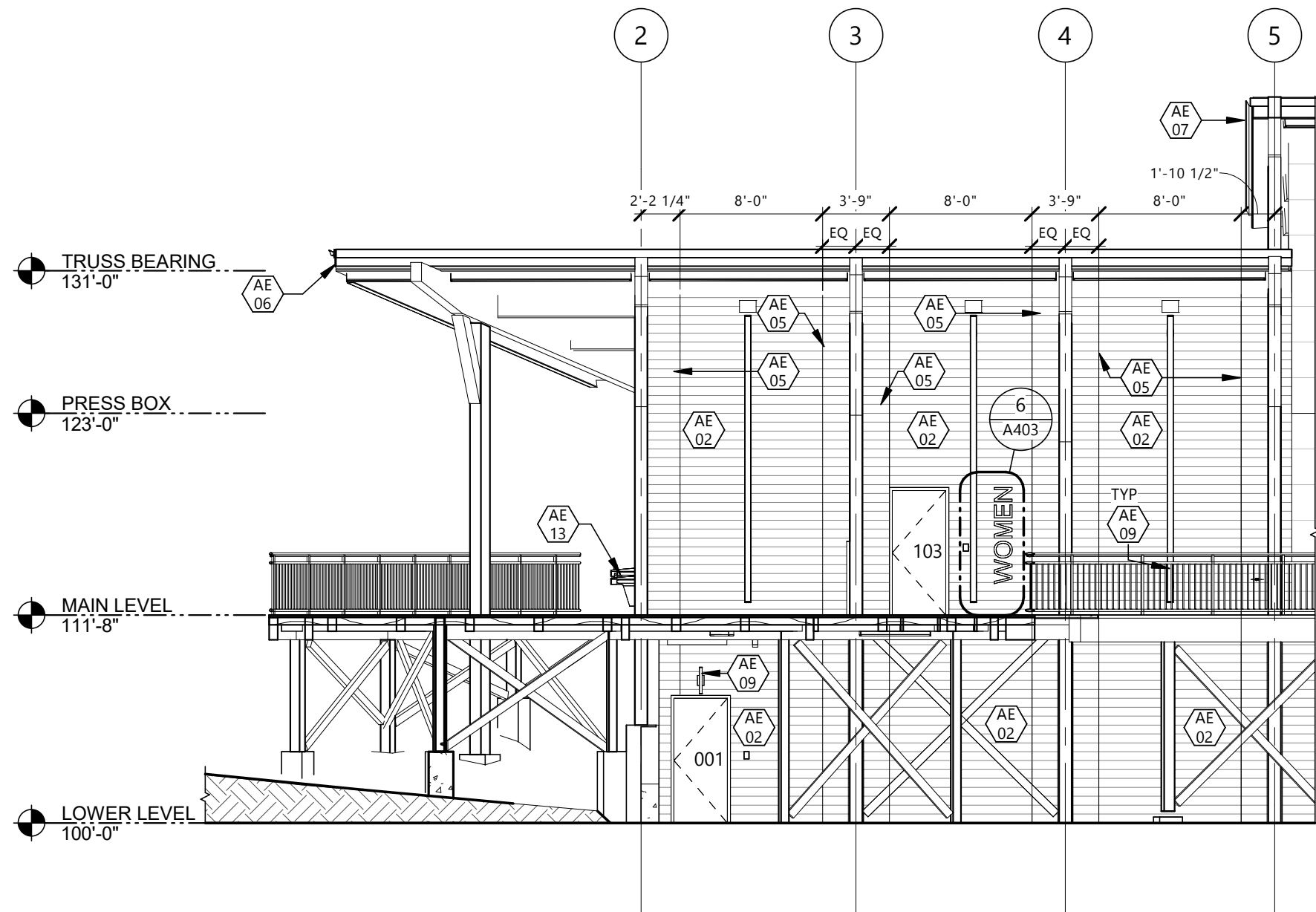
5 EAST EXT ELEVATION
A402 1/8" = 1'-0"



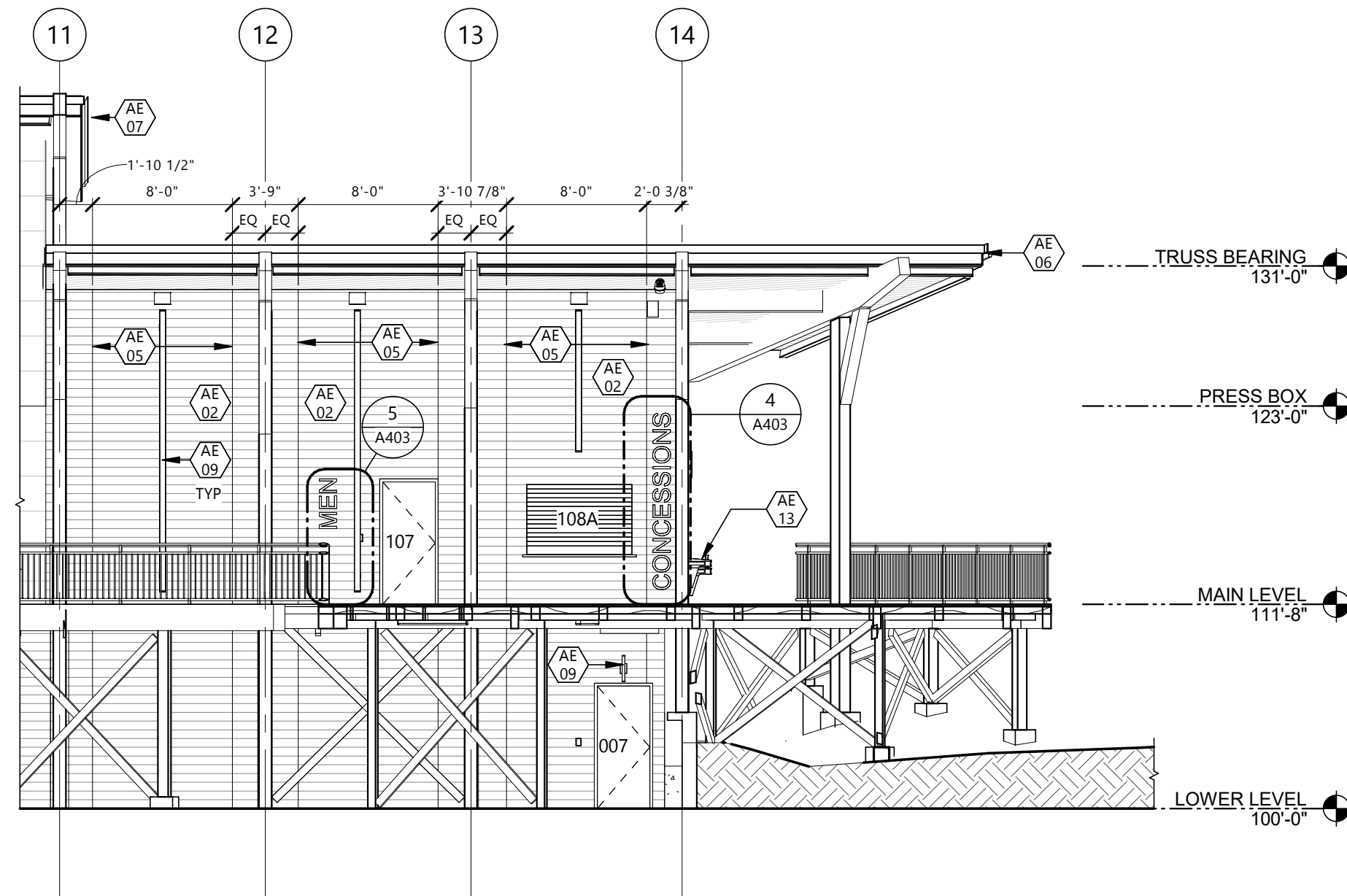
4 NORTHEAST EXT ELEVATION
A402 1/8" = 1'-0"



3 NORTHWEST EXT ELEVATION
A402 1/8" = 1'-0"



2 SOUTHWEST EXT ELEVATION
A402 1/8" = 1'-0"



1 SOUTHEAST EXT ELEVATION
A402 1/8" = 1'-0"

KEYNOTE LEGEND:	
	< < < INDICATES KEYNOTE ON PLAN
AE 01 CUSTOM METAL COMPOSITE PANEL - SEE SPEC. BOD ALUCOBOND CUSTOM FINISH.	
AE 02 FIBER CEMENT PANEL - SEE SPEC. BOD NICHHA VINTAGEWOOD.	
AE 03 STANDING SEAM METAL ROOF - SEE SPEC.	
AE 05 'H' CHANNEL - TYP. NOTATION.	
AE 06 PREFIN. MTL FASCIA.	
AE 07 PREFIN. MTL GUTTER.	
AE 08 PREFIN. MTL DOWNSPOUT.	
AE 09 EXT. LIGHTING - SEE ELEC.	
AE 10 VTR - SEE MECH.	
AE 11 LOUVER - SEE MECH.	
AE 13 WATER FOUNTAIN W/ BOTTLE FILLER - SEE PLUMB.	
AE 40 16"X36" CONC. SPLASHBLOCK.	



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STATE ND

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DRAWING TITLE
BUILDING ELEVATIONS

A402

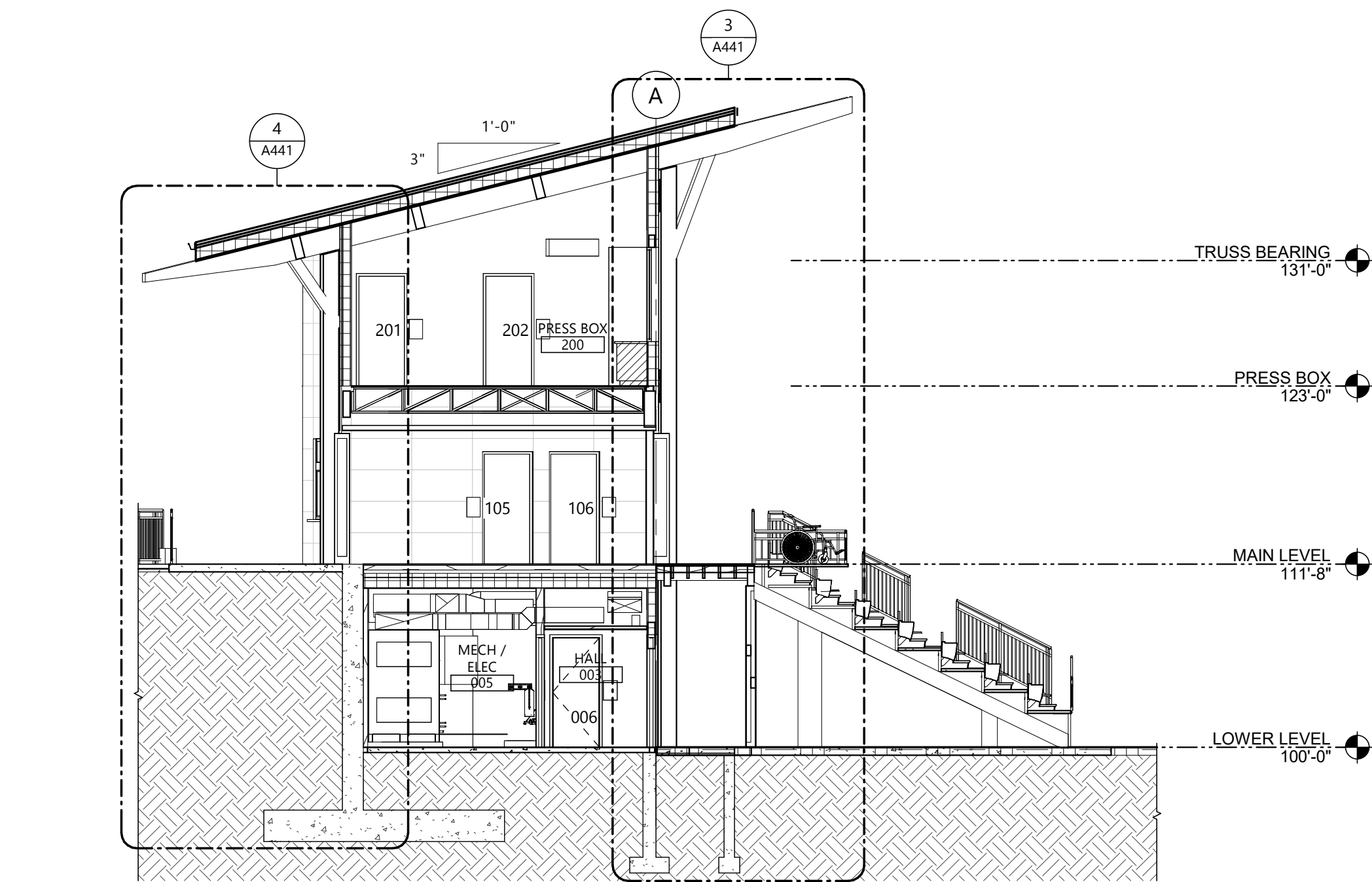
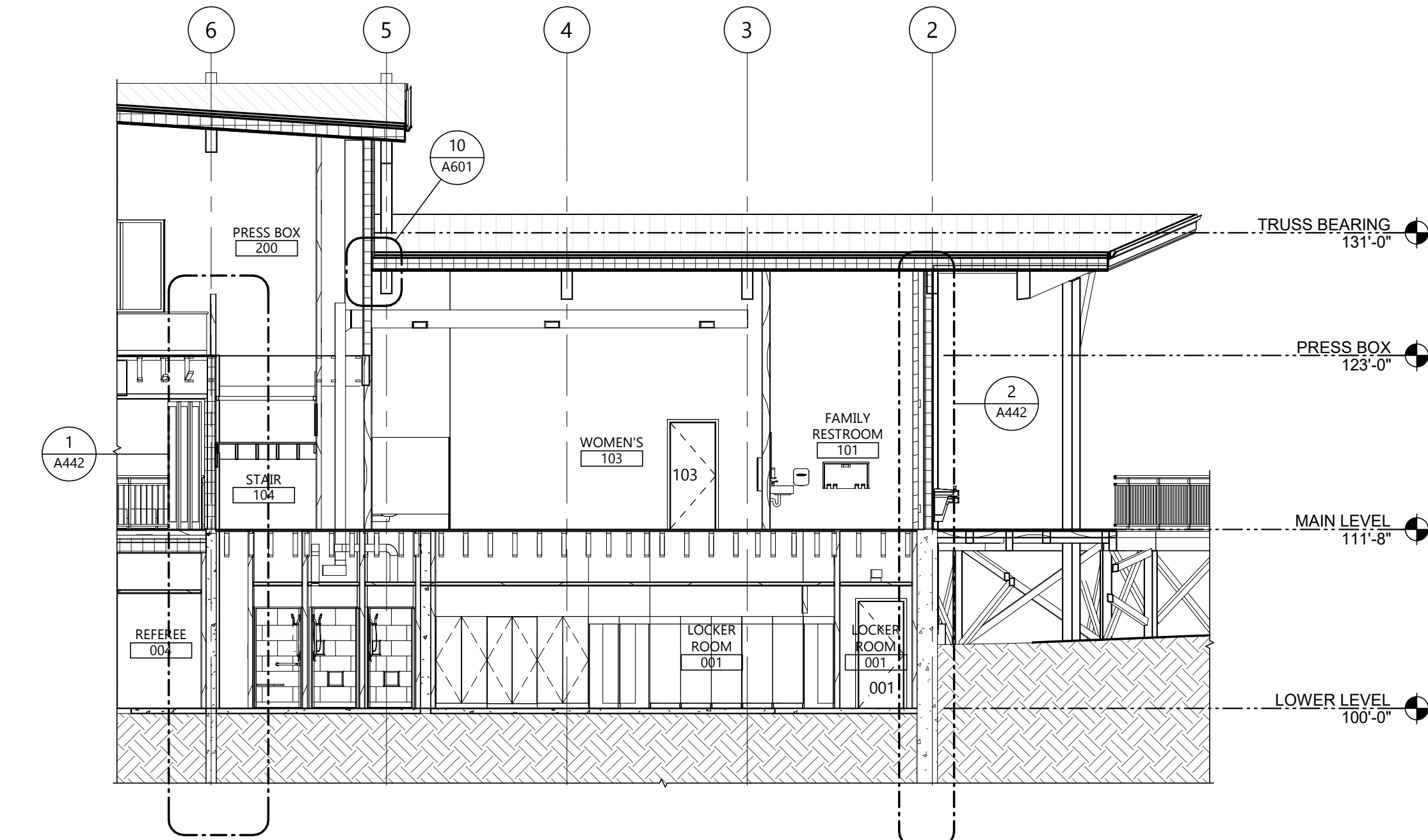
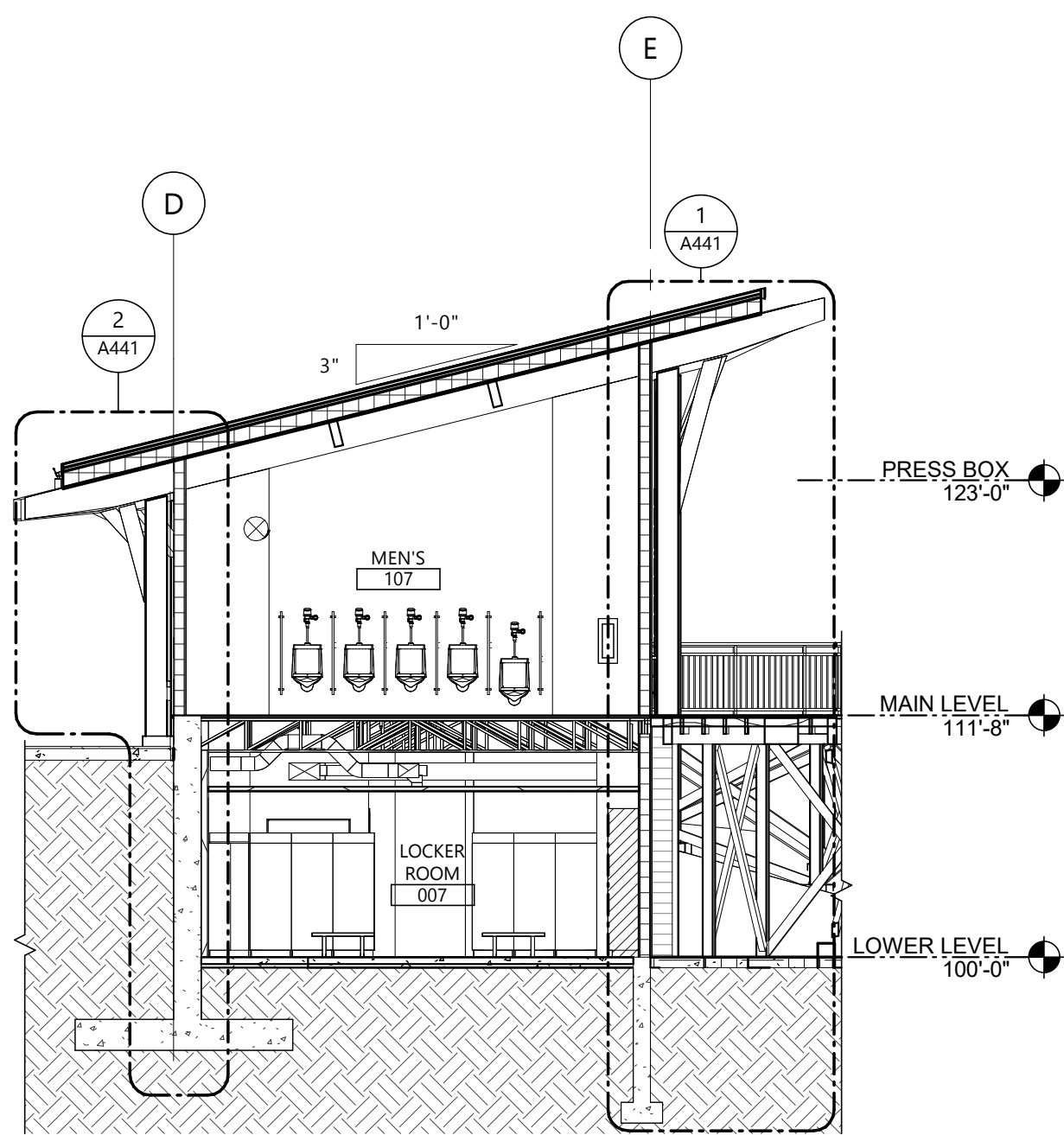
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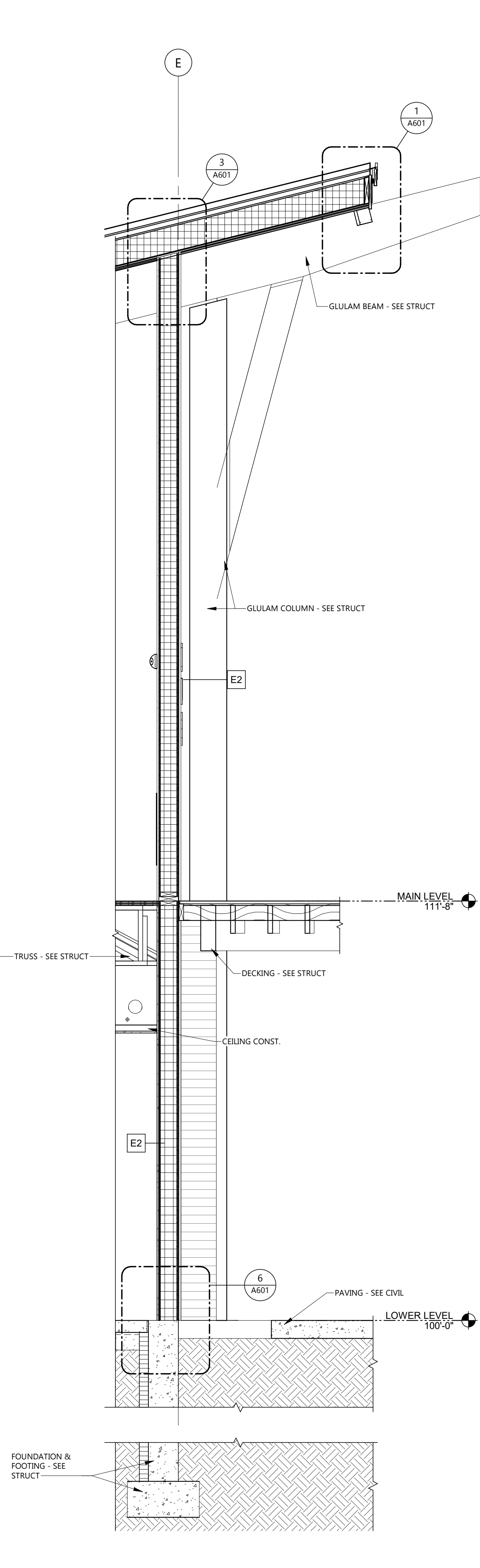
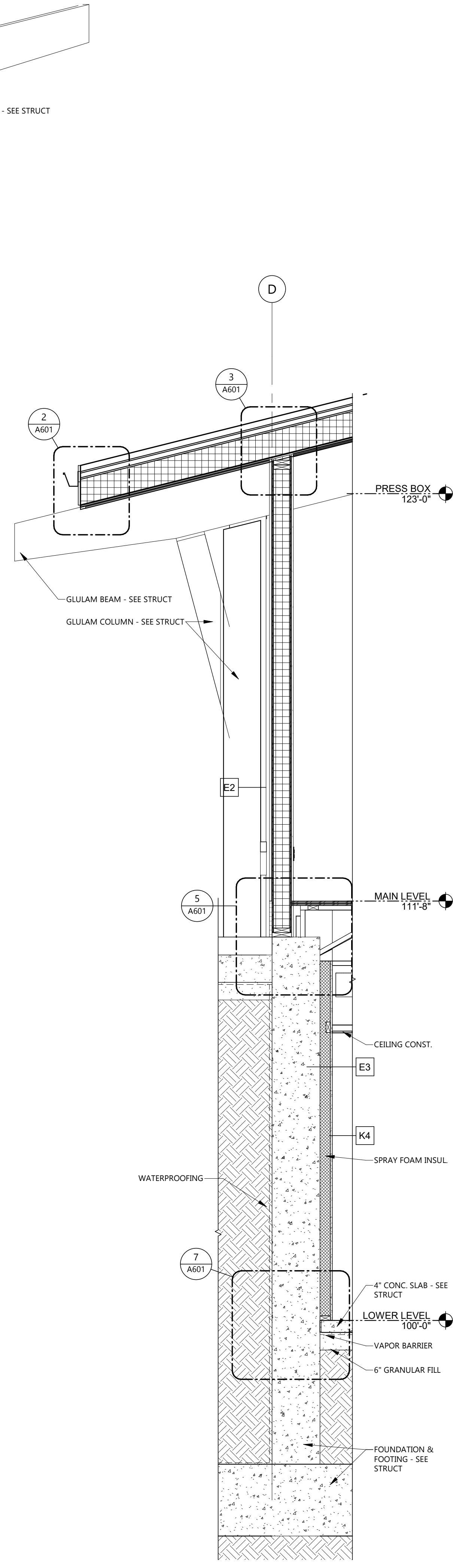
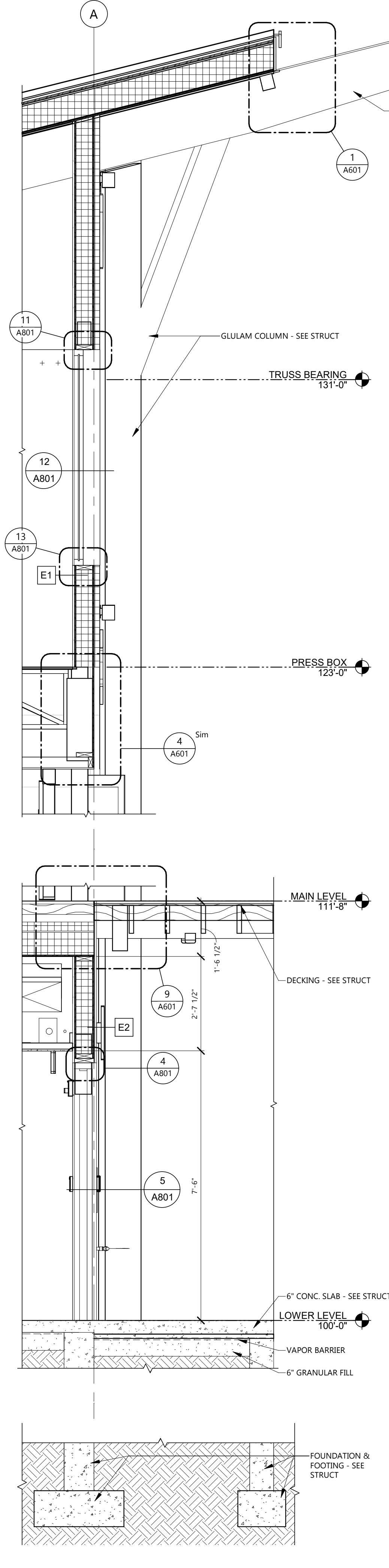
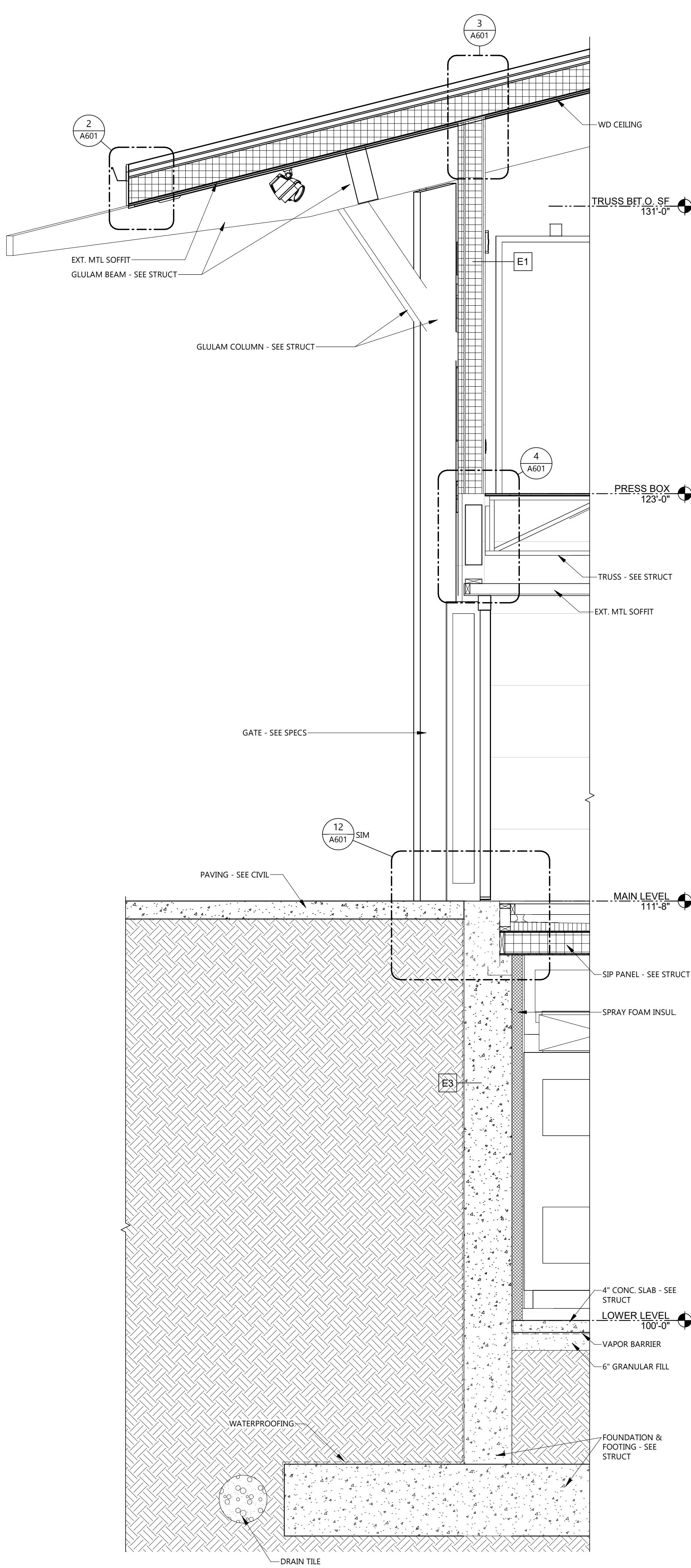
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DRAWING TITLE
WALL SECTIONS

A441



CD	CONSTRUCTION DOCUMENTS	08/17/2026
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PROJECT NO:20263400

DRAWN BY:MGB

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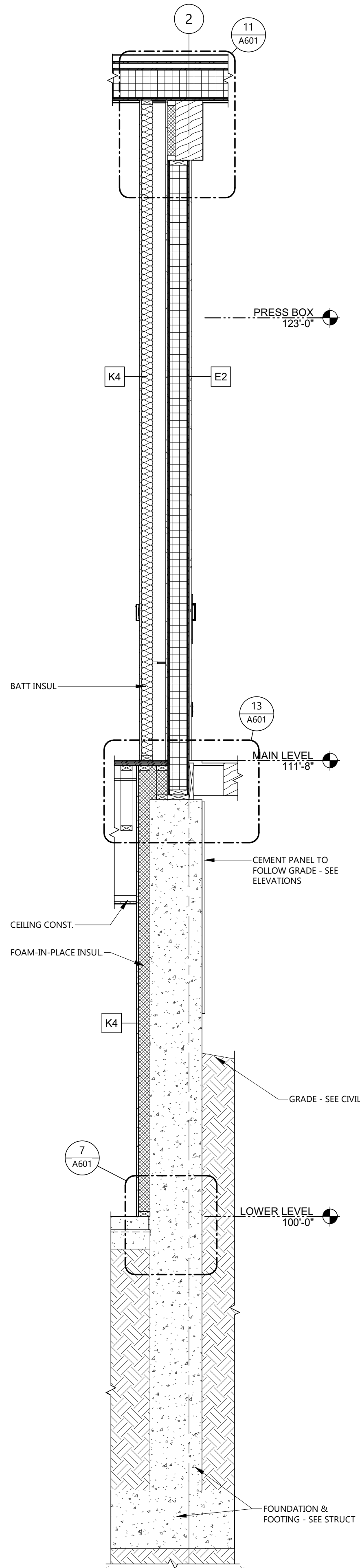
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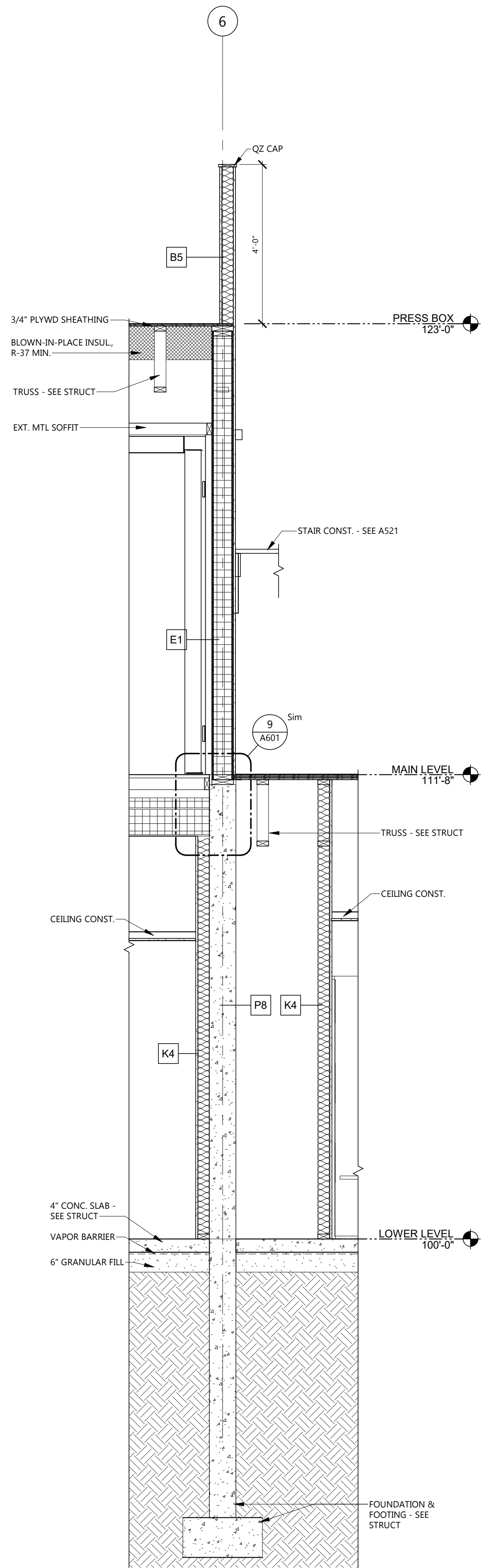


2

A442

WALL SECTION

1/2" = 1'-0"



1

A442

WALL SECTION

1/2" = 1'-0"

CD	CONSTRUCTION DOCUMENTS	08/17/2026
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Signature: *[Signature]*

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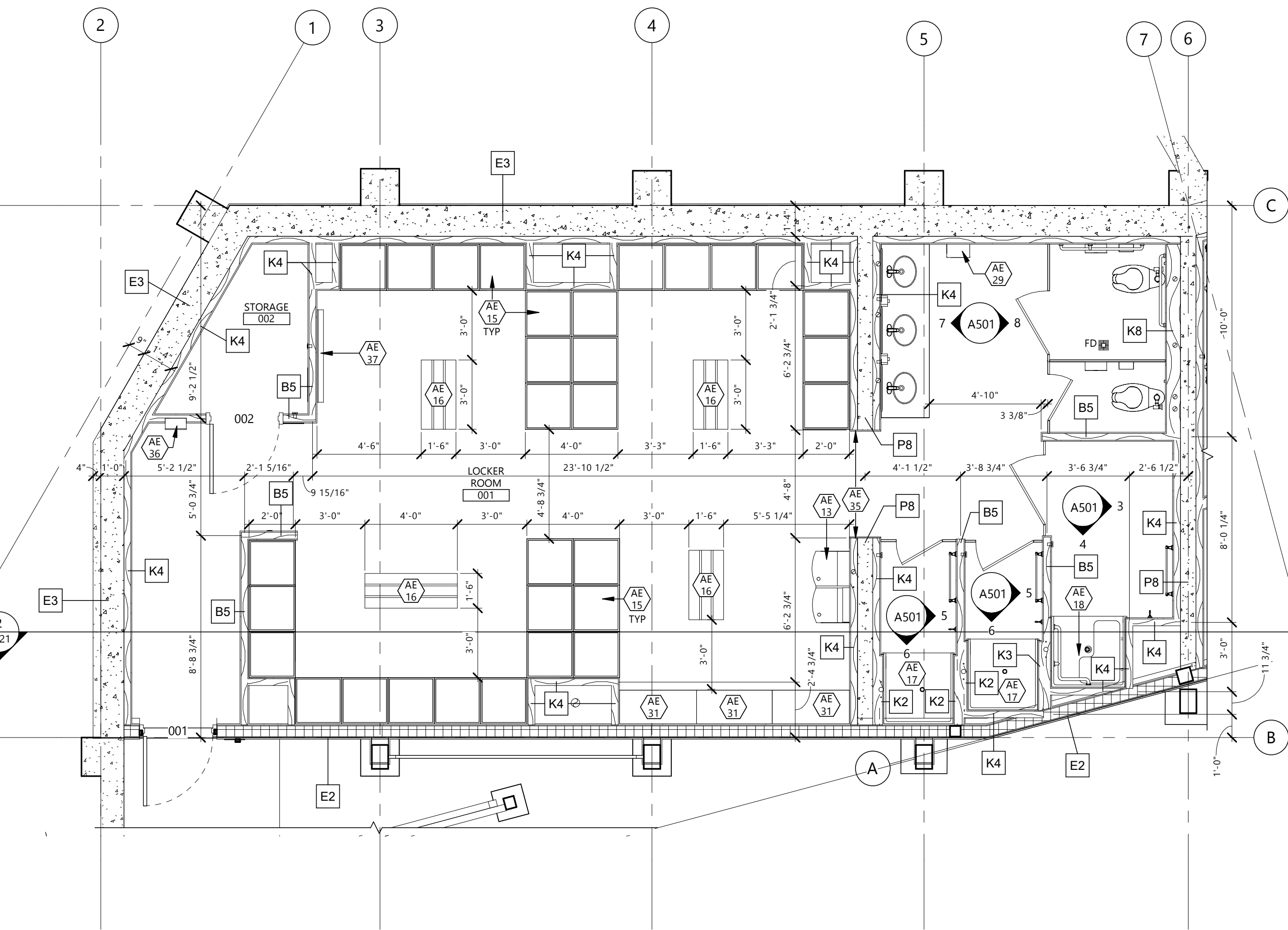
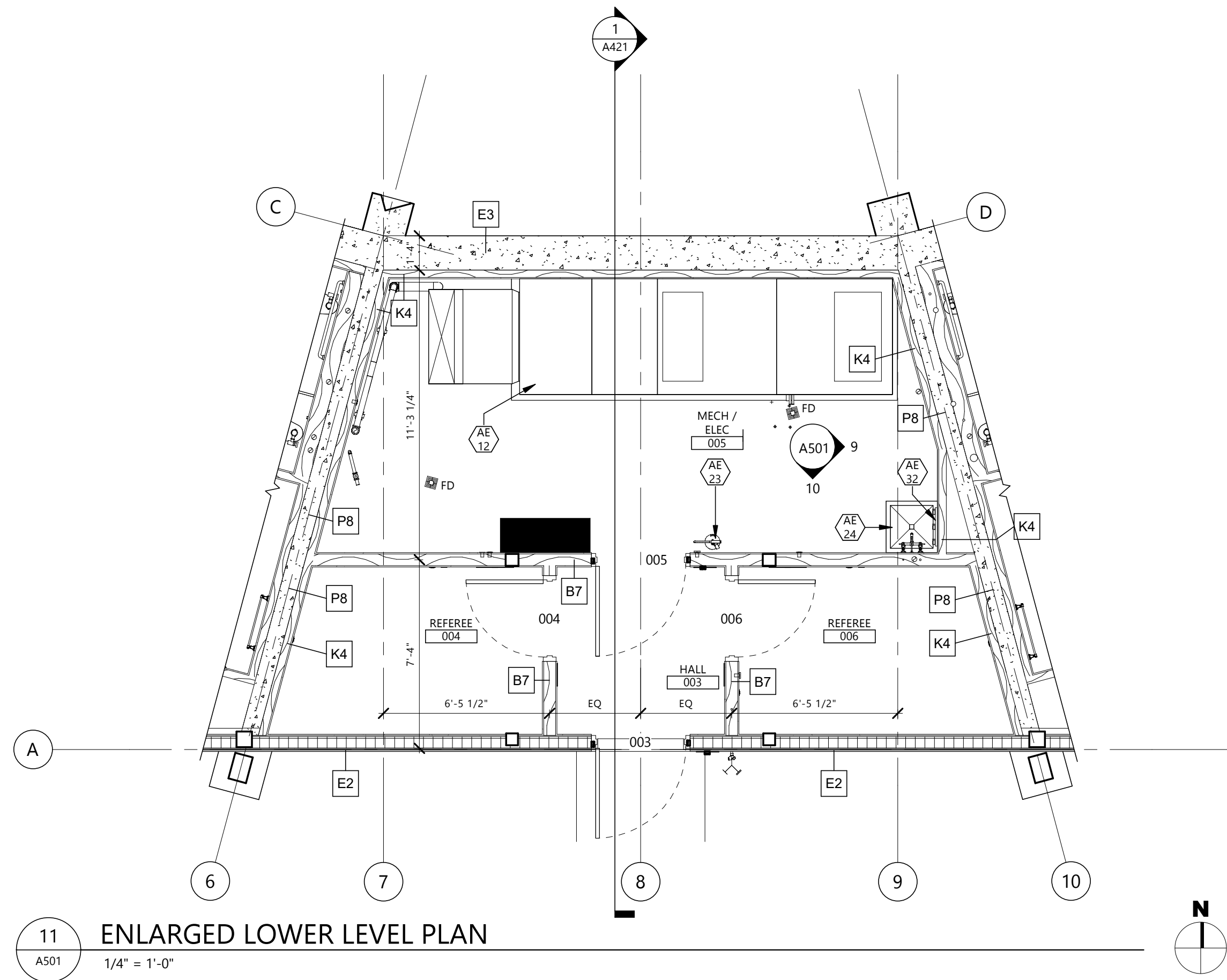
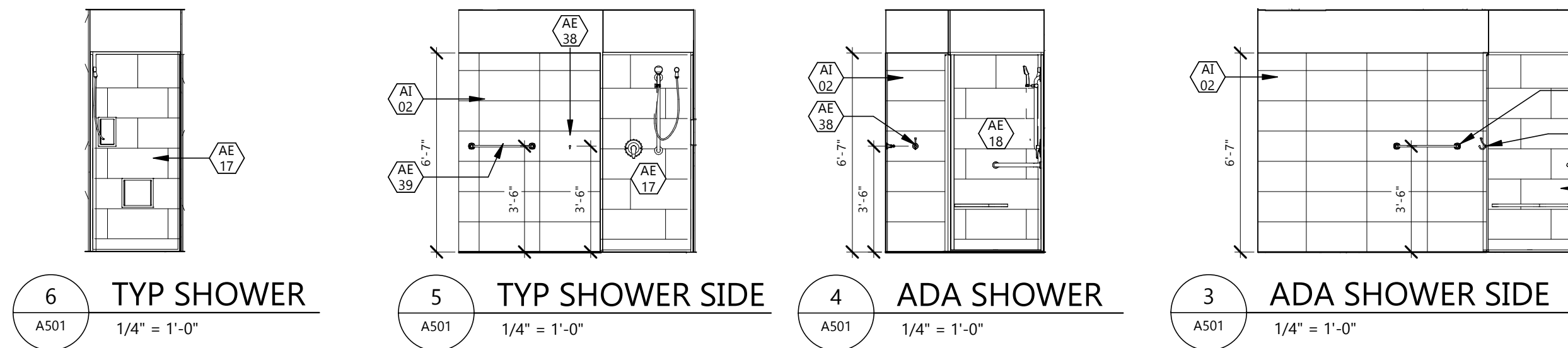
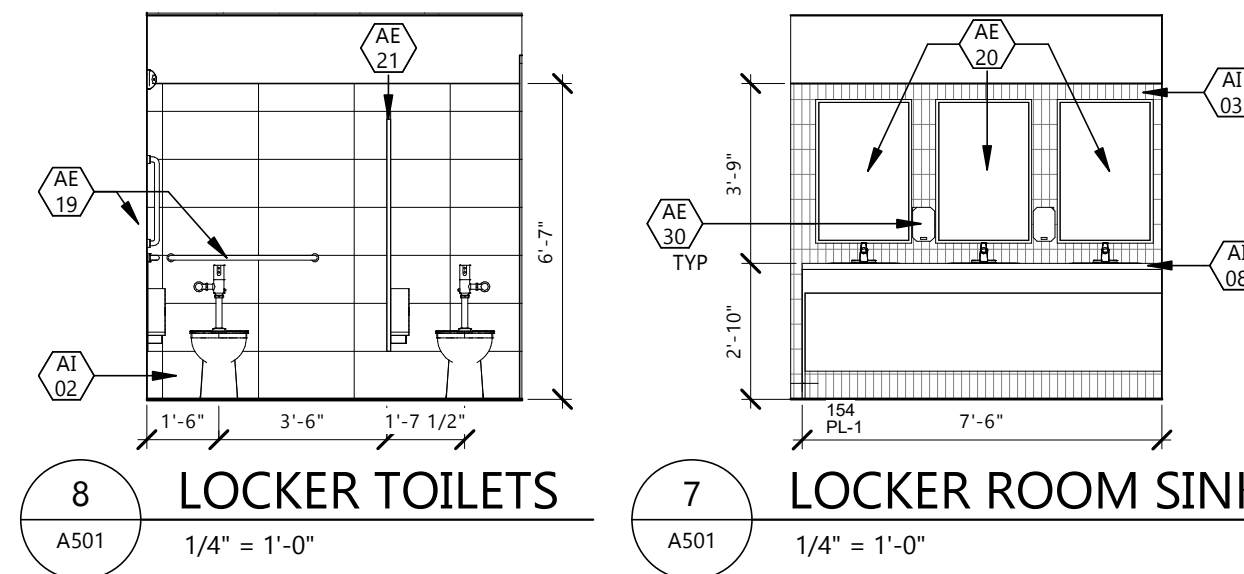
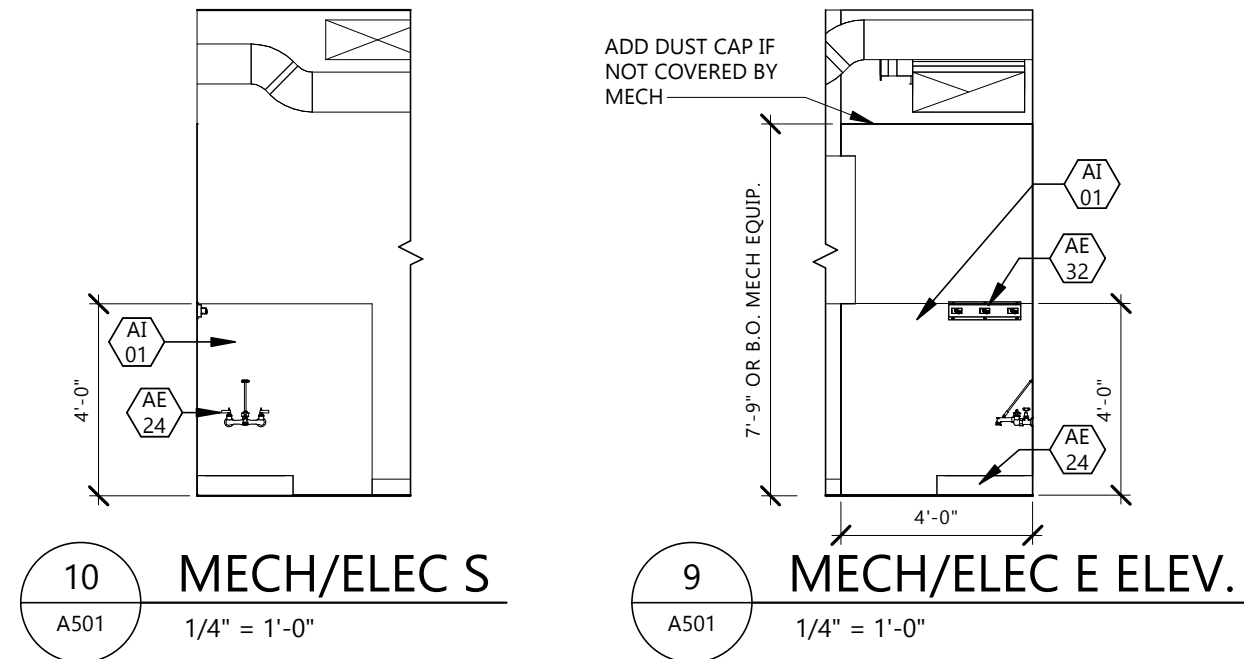
DRAWING TITLE

ENLARGED FLOOR PLANS & INTERIOR ELEVATIONS

A501

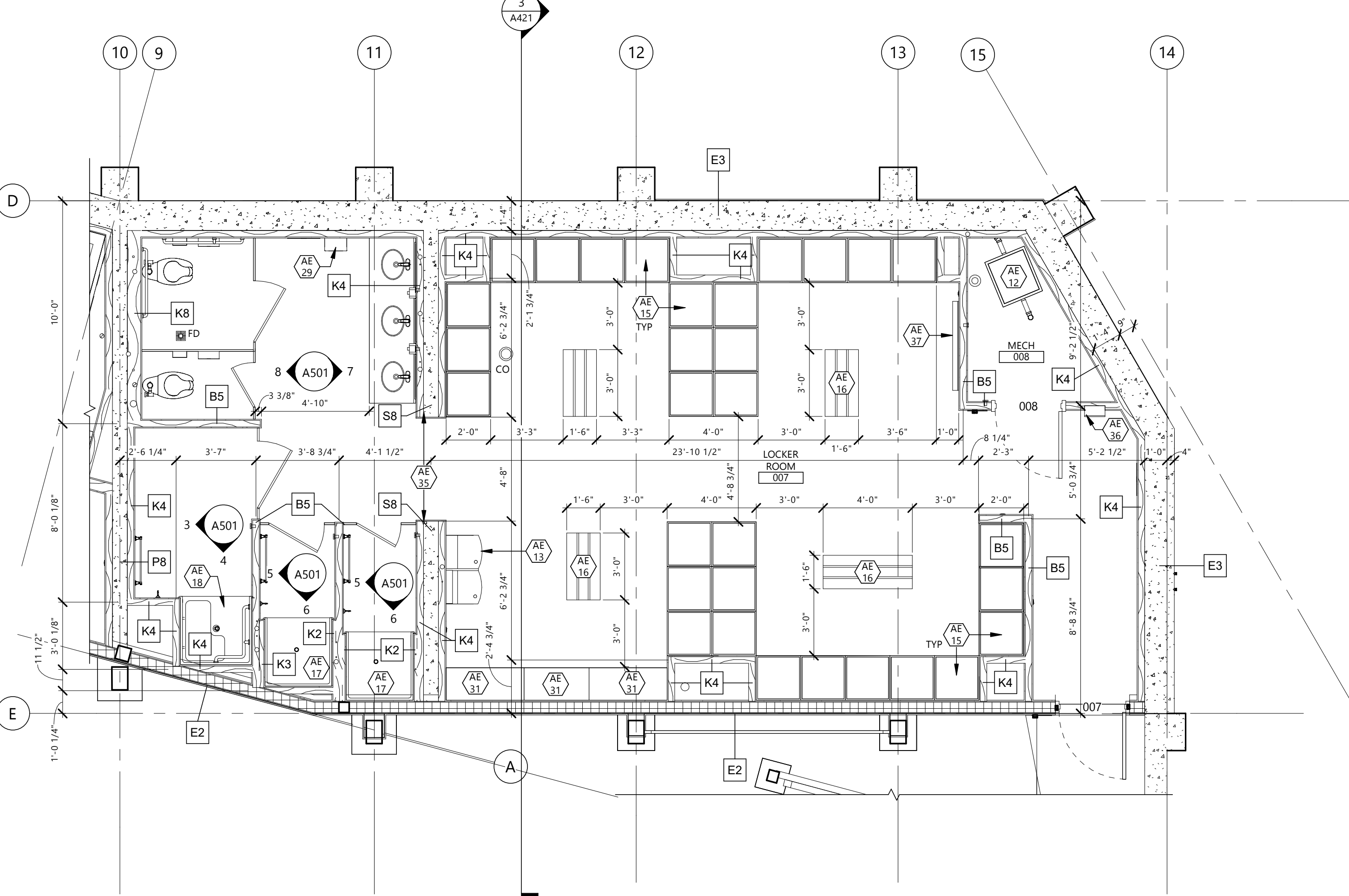
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○ < < < INDICATES KEYNOTE ON PLAN
AI 01 FRP-1.
AI 02 T-2.
AI 03 T-3.
AI 08 QTZ-1.

KEYNOTE LEGEND:
○ < < < INDICATES KEYNOTE ON PLAN
AE 12 MECH EQUIPMENT - SEE MECH.
AE 13 WATER FOUNTAIN W/ BOTTLE FILLER - SEE PLUMB.
AE 15 MTL LOCKER - SEE SPECS.
AE 16 LOCKER ROOM BENCH - SEE SPECS.
AE 17 SHOWER.
AE 18 ADA SHOWER.
AE 19 GRAB BARS.
AE 20 24"X36" MIRROR.
AE 21 TOILET/URINAL PARTITION.
AE 23 FIRE EXTINGUISHER.
AE 24 MOP SINK - SEE PLUMB.
AE 29 HAND DRYER - SEE ELEC.
AE 30 SOAP DISPENSER. CFCL.
AE 31 MTL STORAGE CABINETS - SEE SPEC.
AE 32 MOP HOLDER.
AE 35 WRAP GWB AT WALL ENDS - FULL HEIGHT.
AE 36 FIRE EXTINGUISHER CABINET.
AE 37 MARKER BOARD.
AE 38 ROBE HOOK. CFCL.
AE 39 TOWEL BAR. CFCL.



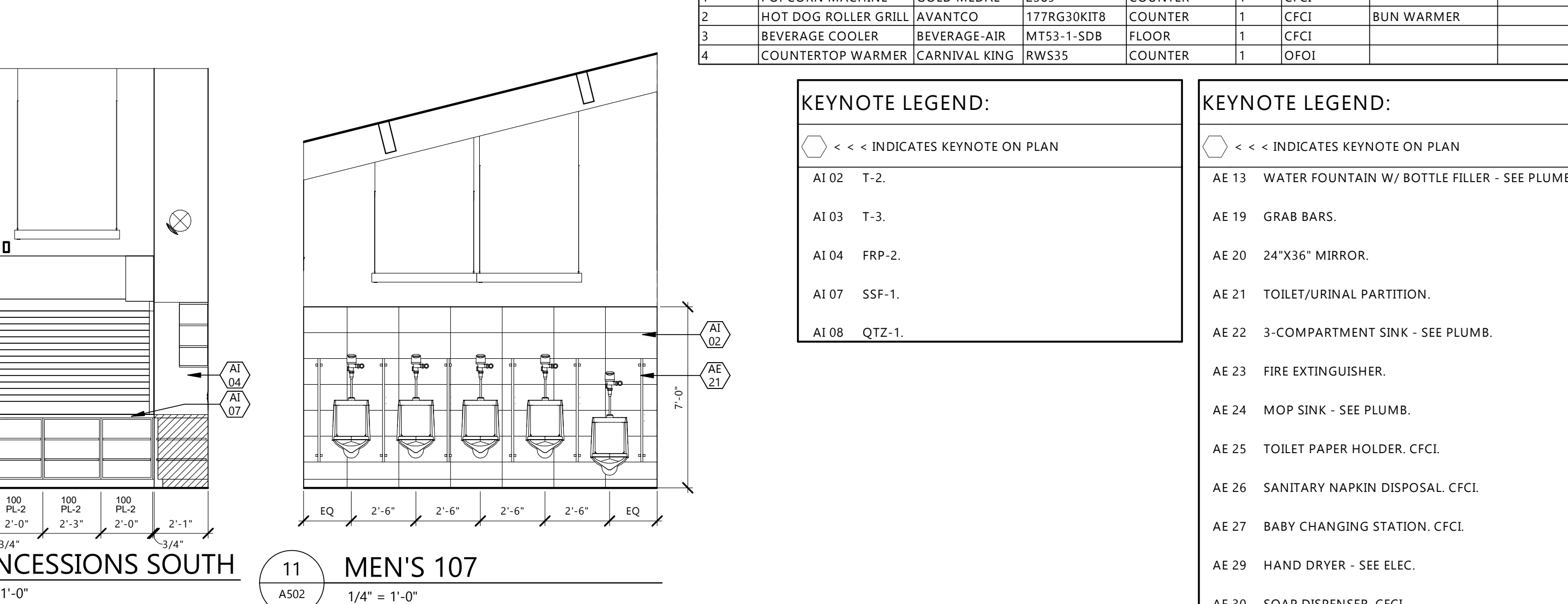
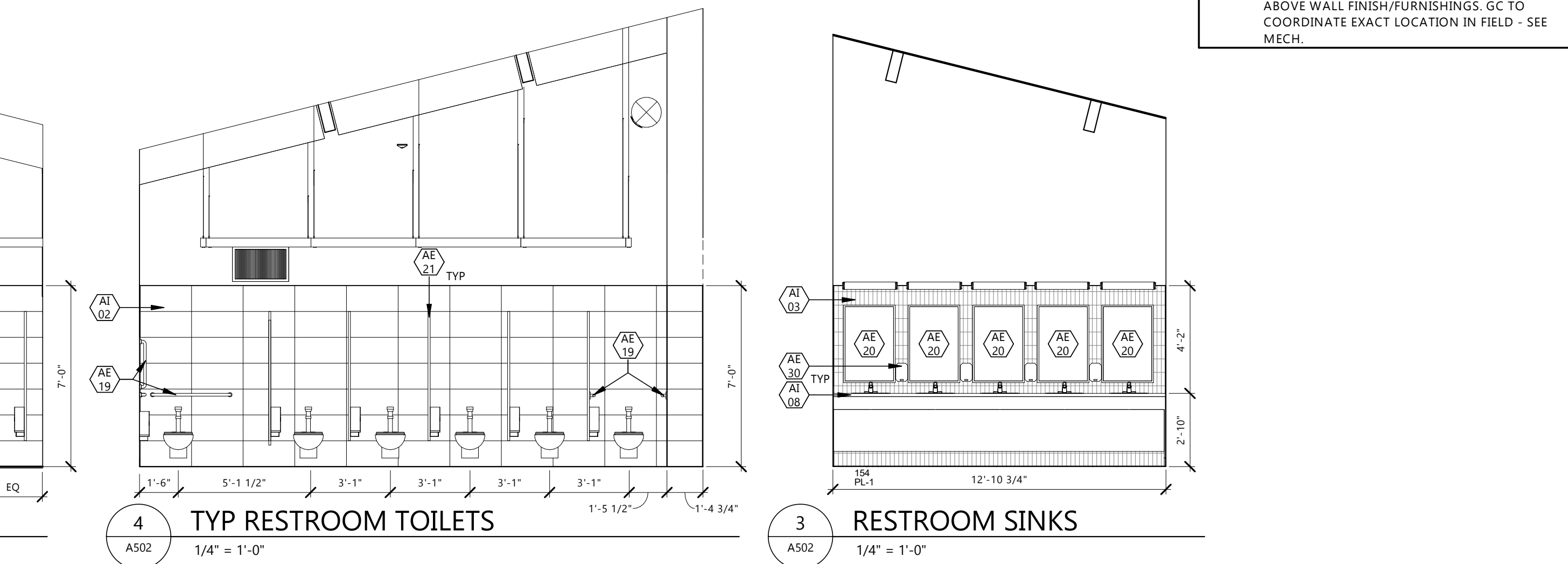
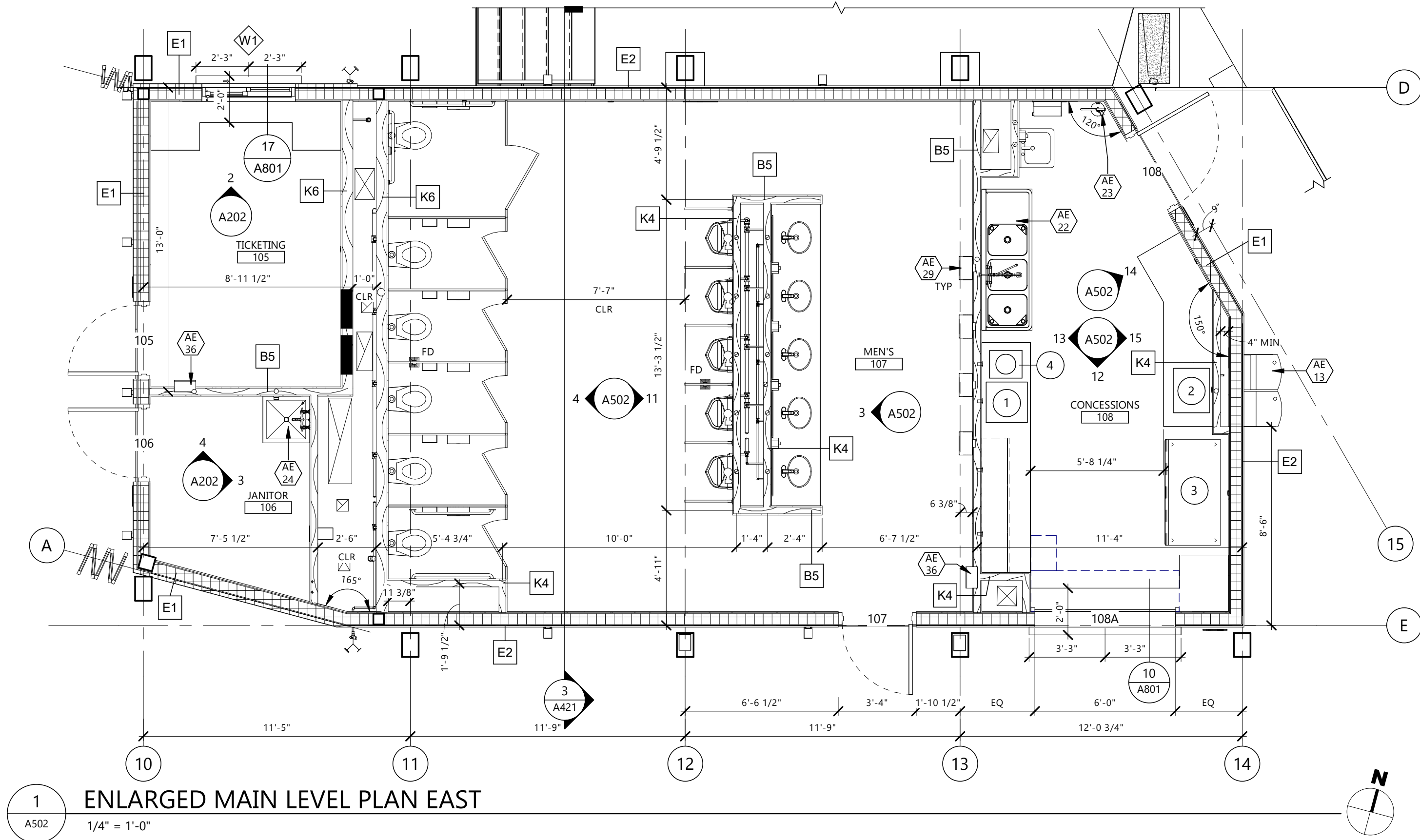
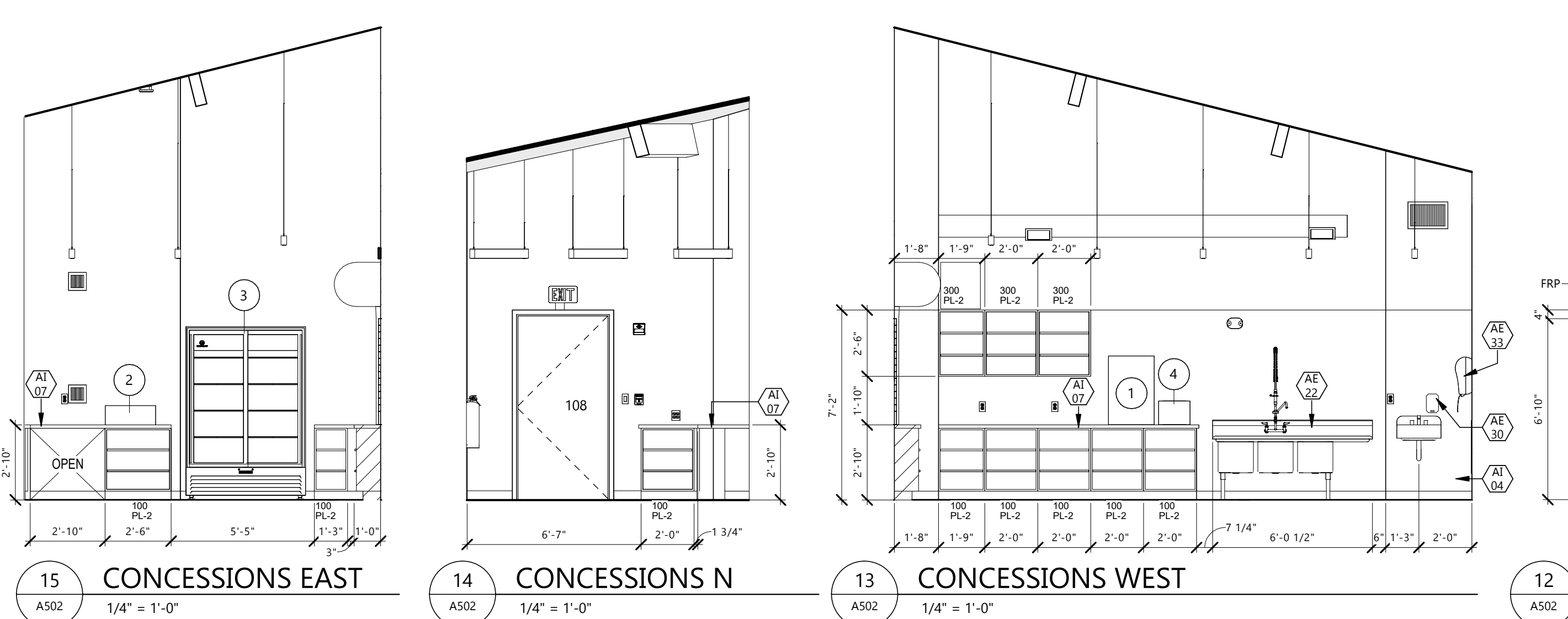
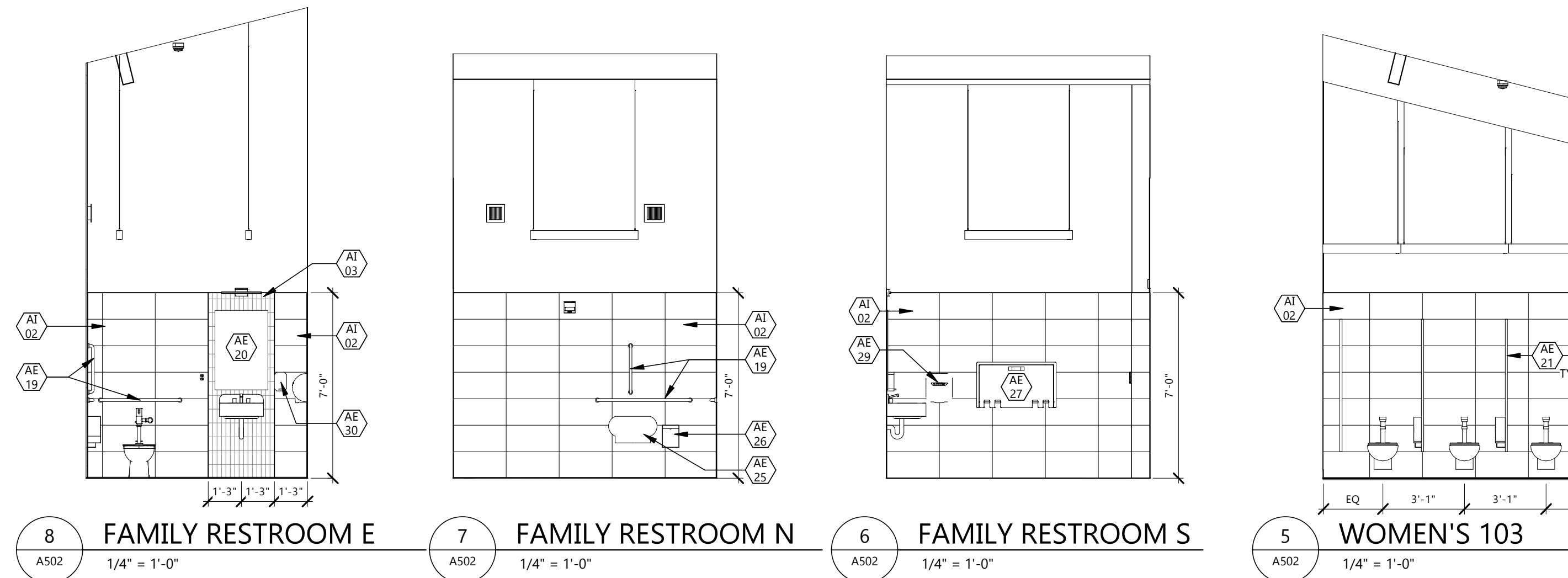
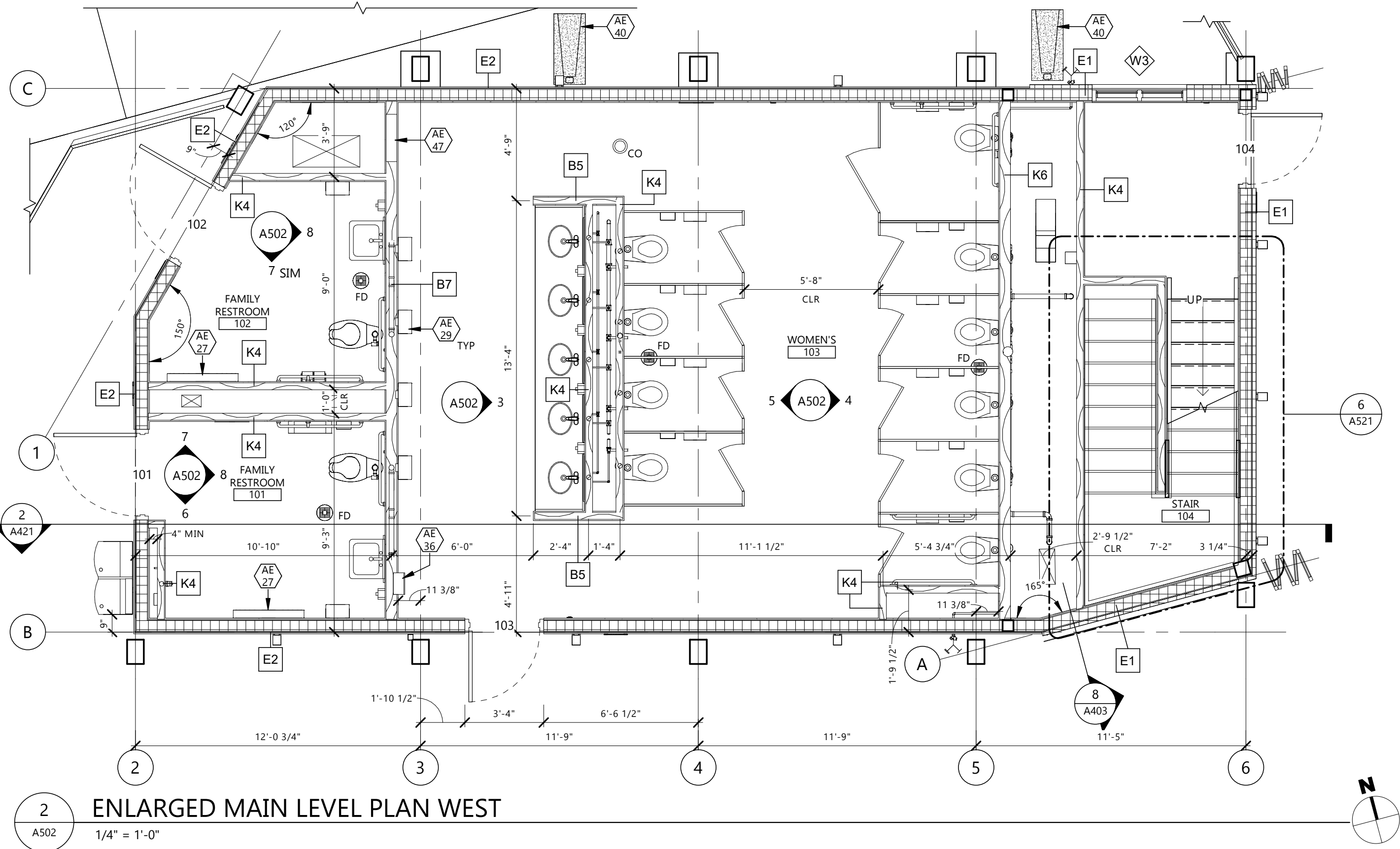
2 ENLARGED LOWER LEVEL PLAN

A501 1/4" = 1'-0"



1 ENLARGED LOWER LEVEL PLAN

A501 1/4" = 1'-0"



CONCESSIONS EQUIPMENT SCHEDULE								
MARK	DESCRIPTION	MFR	MODEL	MOUNTING	QTY	INSTALL	ACCESSORIES	NOTES
1	POPCORN MACHINE	GOLD MEDAL	2389	COUNTER	1	CFCI		
2	HOT DOG ROLLER GRILL	AVANTCO	177RG30KIT8	COUNTER	1	CFCI	BUN WARMER	
3	BEVERAGE COOLER	BEVERAGE-AIR	MT53-1-SD8	FLOOR	1	CFCI		
4	COUNTERTOP WARMER	CARNIVAL KING	RWS35	COUNTER	1	OFOI		

KEYNOTE LEGEND:

AI

02

< < < INDICATES KEYNOTE ON PLAN

AI 02

T-2.

AI 03

T-3.

AI 04

FRP-2.

AI 07

SSF-1.

AI 08

QTZ-1.

KEYNOTE LEGEND:

AE

13

WATER FOUNTAIN W/ BOTTLE FILLER - SEE PLUMB.

AE

19

GRAB BARS.

AE

20

24"X36" MIRROR.

AE

21

TOILET/URINAL PARTITION.

AE

22

3-COMPARTMENT SINK - SEE PLUMB.

AE

23

FIRE EXTINGUISHER.

AE

24

MOP SINK - SEE PLUMB.

AE

25

TOILET PAPER HOLDER. CFCI.

AE

26

SANITARY NAPKIN DISPOSAL. CFCI.

AE

27

BABY CHANGING STATION. CFCI.

AE

29

HAND DRYER - SEE ELEC.

AE

30

SOAP DISPENSER. CFCI.

AE

33

PAPER TOWEL DISPENSER.

AE

36

FIRE EXTINGUISHER CABINET.

AE

40

16"X36" CONC. SPLASHBLOCK.

AE

47

24" X 24" WALL MOUNTED ACCESS PANEL. INSTALL ABOVE WALL FINISH/FURNISHINGS. GC TO COORDINATE EXACT LOCATION IN FIELD - SEE MECH.

Architecture
Interior Design

Engineering
Industrial

TELEPHONE **701.258.3116**
116 W. Main Ave., Suite A, Bismarck ND 58501
www.eapc.net

CONSULTANTS

CLIENT
NEW TOWN SCHOOL DISTRICT

PROJECT DESCRIPTION
NEW TOWN GRANDSTANDS

CITY **NEW TOWN**
STATE **ND**

ISSUE DATES

CD	CONSTRUCTION DOCUMENTS	08/17/2026
MARK	DESCRIPTION	DATE

PROJECT NO: **20263400**
DRAWN BY: **MGB**
CHECKED BY: **PAB**

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Signature:
Date: 08/17/2026 REG. NO.: 2002

DRAWING TITLE
ENLARGED FLOOR PLANS & INTERIOR ELEVATIONS

A502

CD	CONSTRUCTION DOCUMENTS	08/17/2026
MARK	DESCRIPTION	DATE

PROJECT NO: 20263400

DRAWN BY: MGB

CHECKED BY: MGB

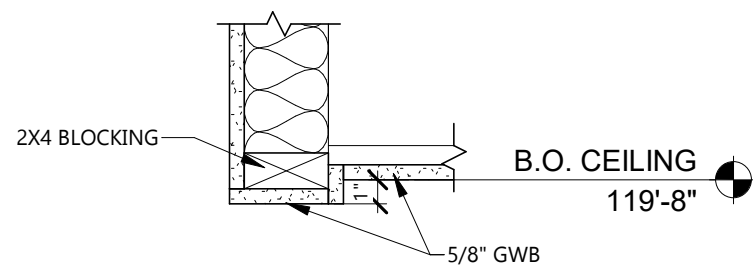
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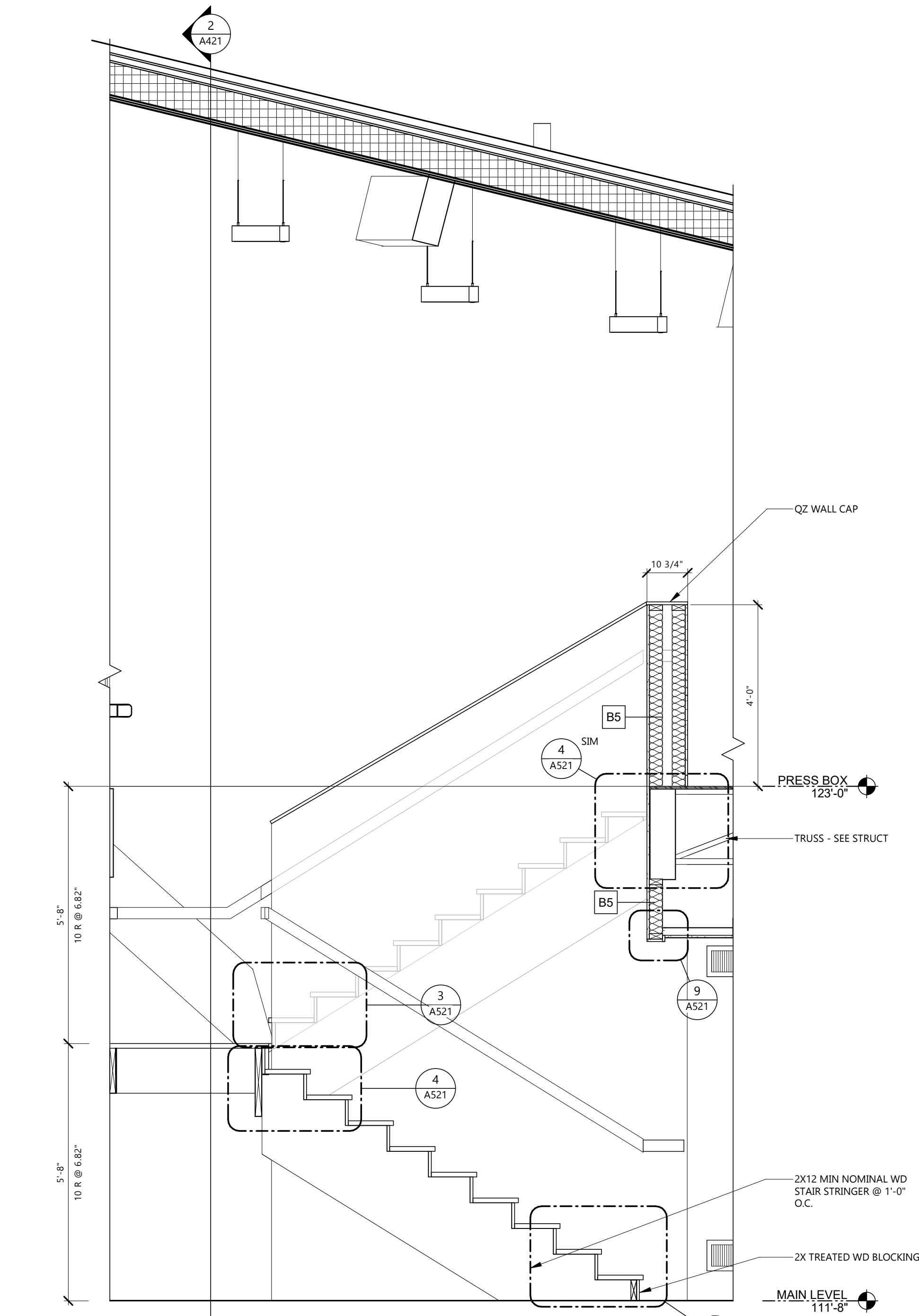
I hereby certify that this plan, specification, or
report was prepared by me or under my direct
supervision and that I am a duly Registered
Architect under the laws of the State of North
Dakota.

Signature: *[Signature]*

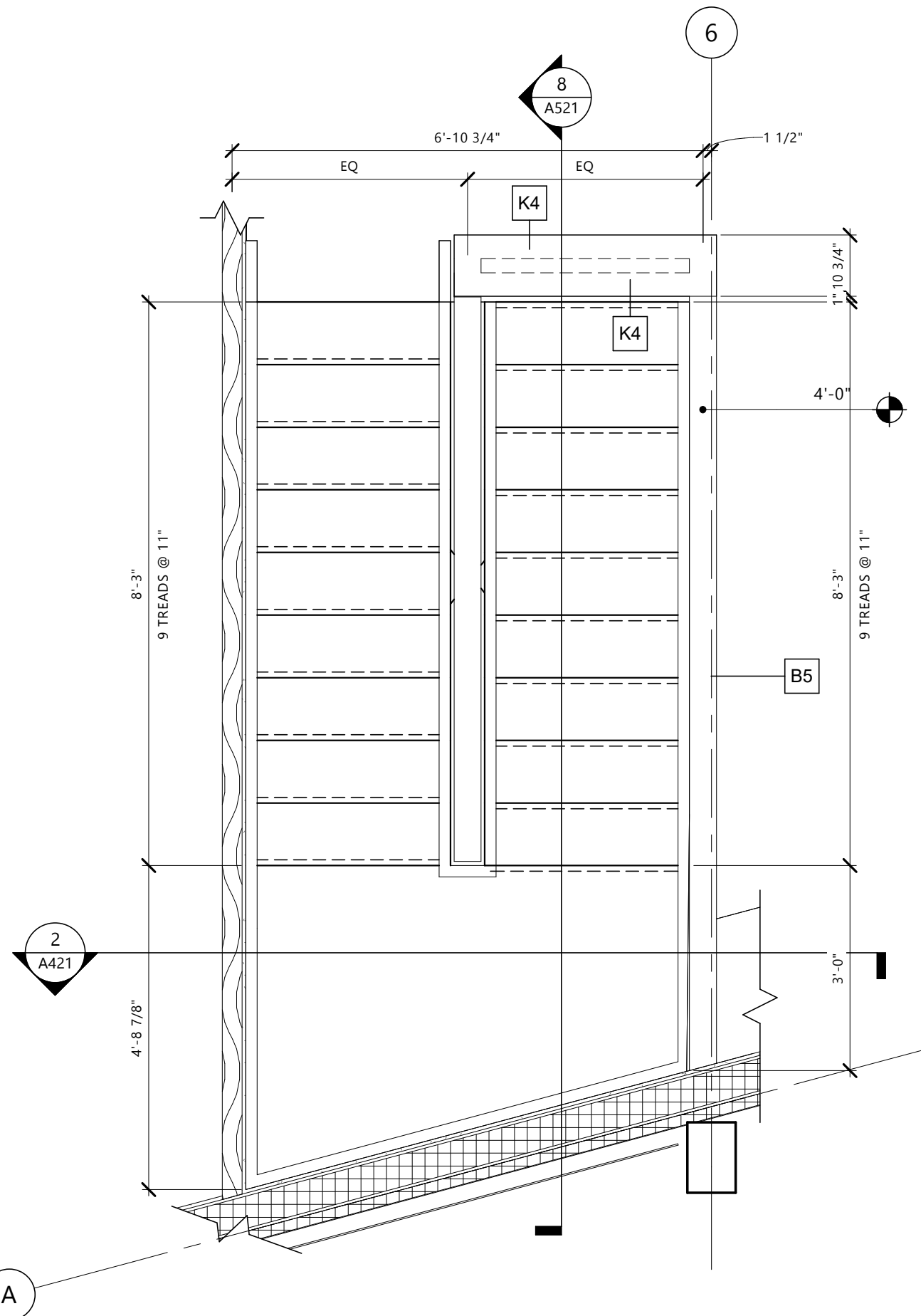
Date: 08/17/2026 REG. NO.: 2002



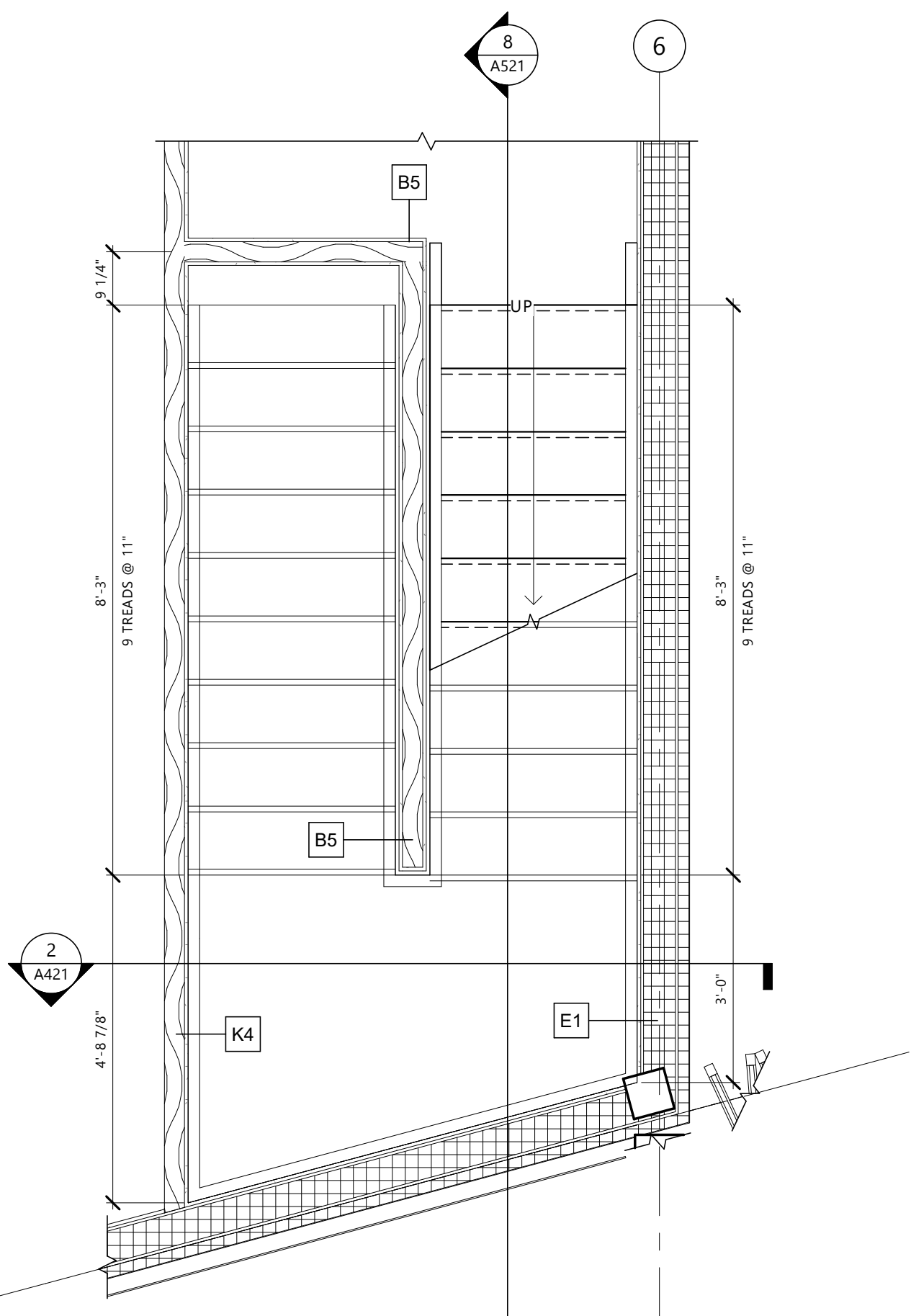
9 SOFFIT DETAIL
1 1/2" = 1'-0"



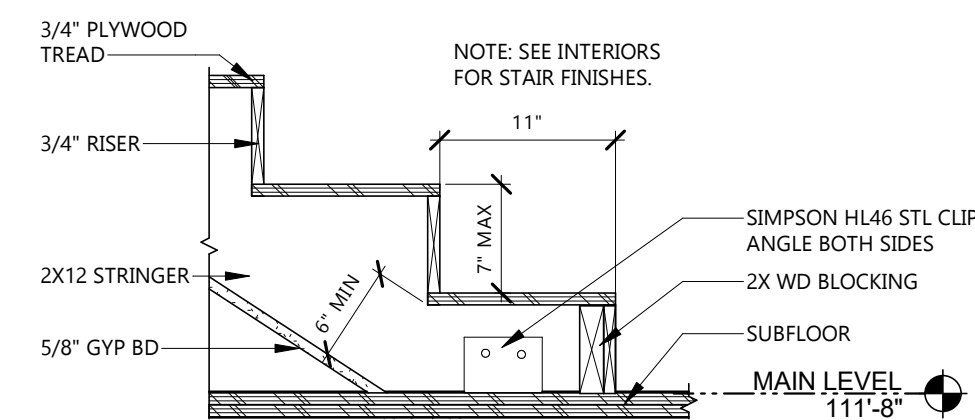
8 STAIR SECTION
1/2" = 1'-0"



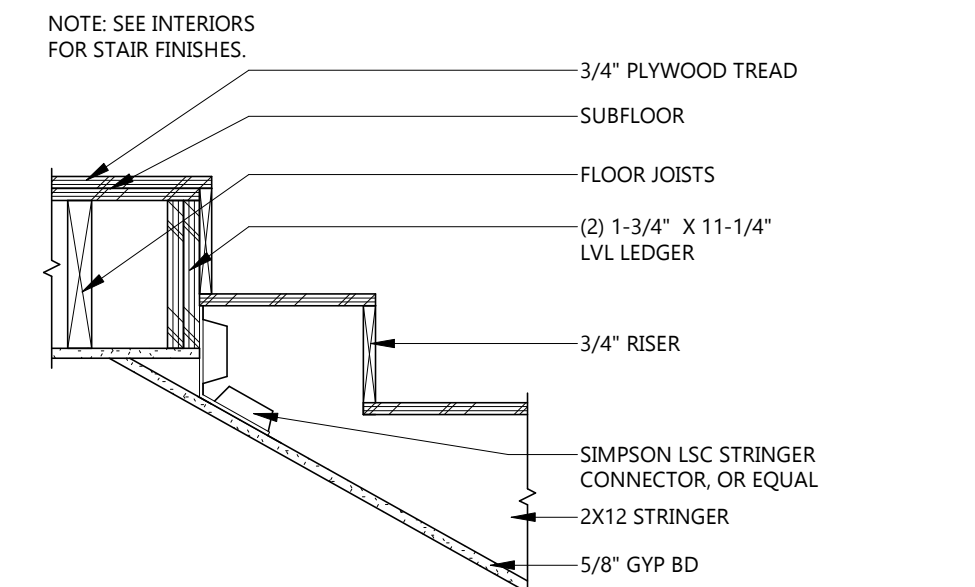
7 PRESS BOX STAIR PLAN
1/2" = 1'-0"



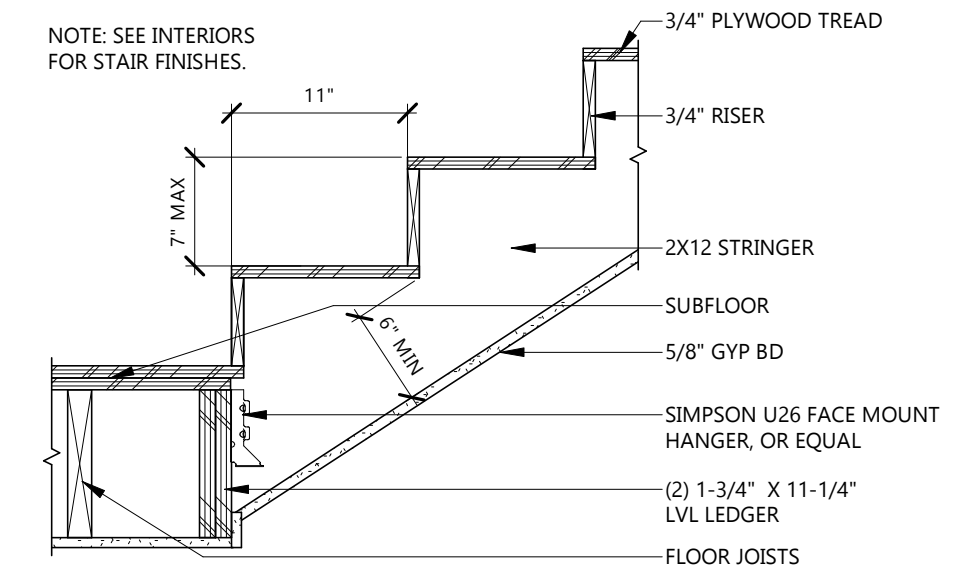
6 MAIN LEVEL STAIR PLAN
1/2" = 1'-0"



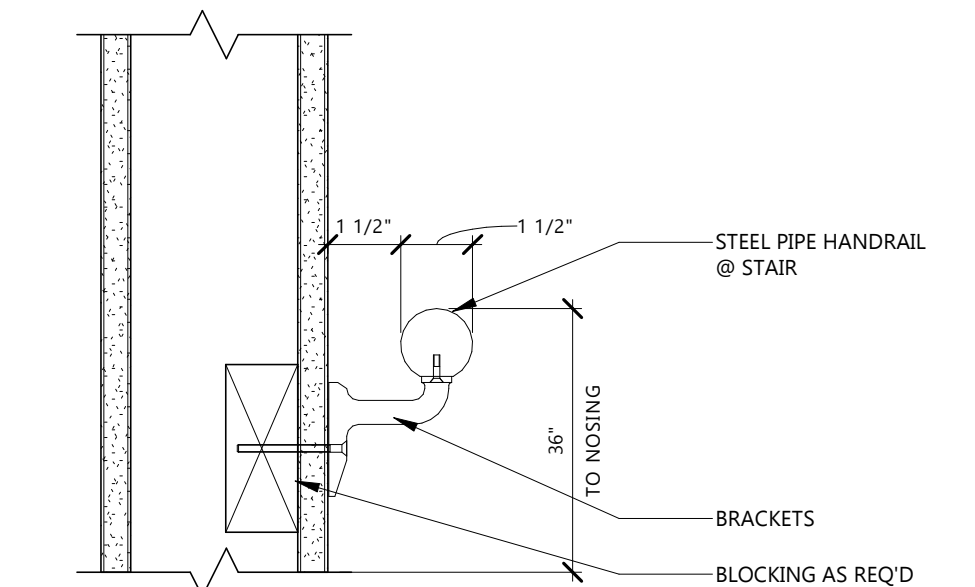
5 TYP. STAIR FOOT DETAIL
1" = 1'-0"



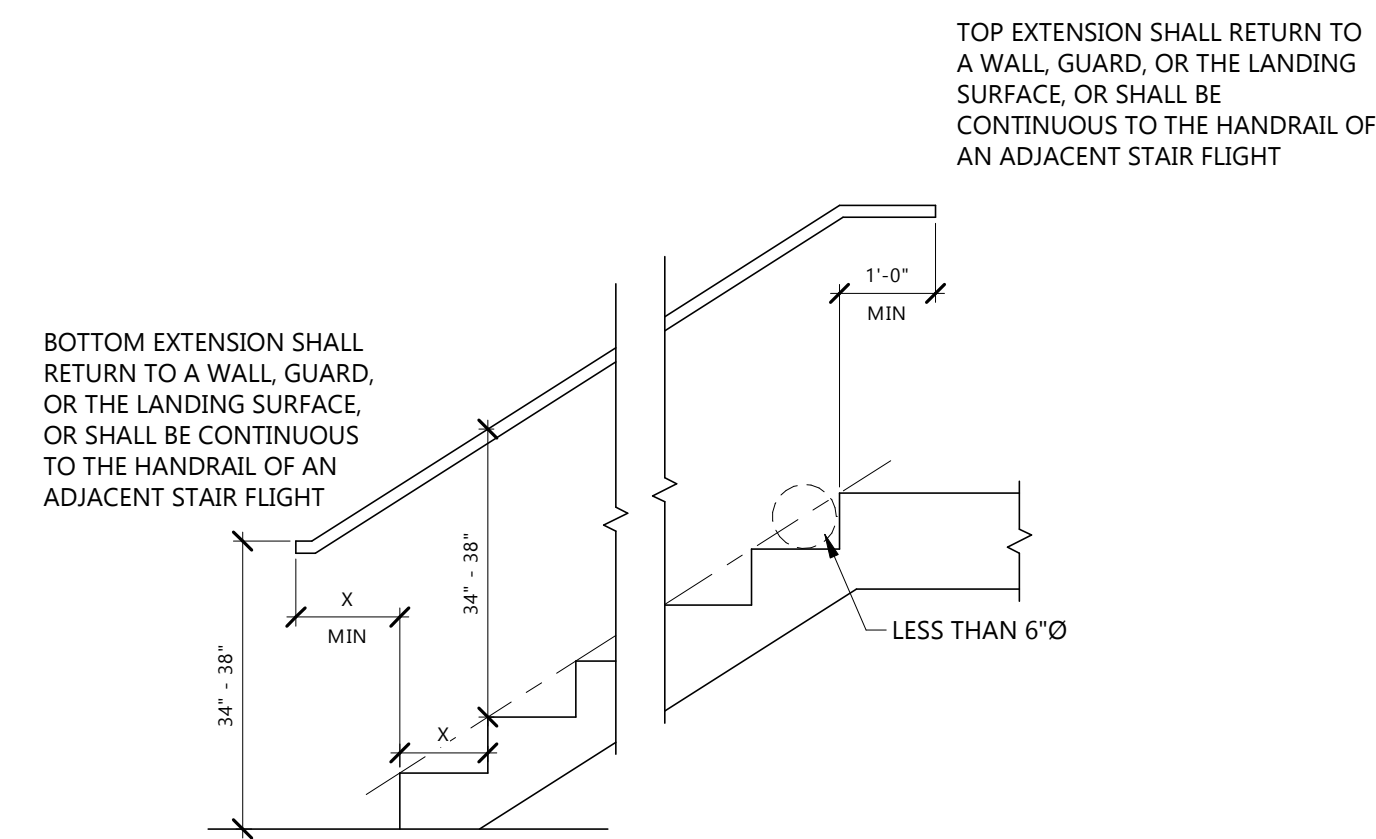
4 TYP. STAIR HEAD DETAIL
1" = 1'-0"



3 TYP. STAIR FOOT DETAIL @ LANDING
1" = 1'-0"



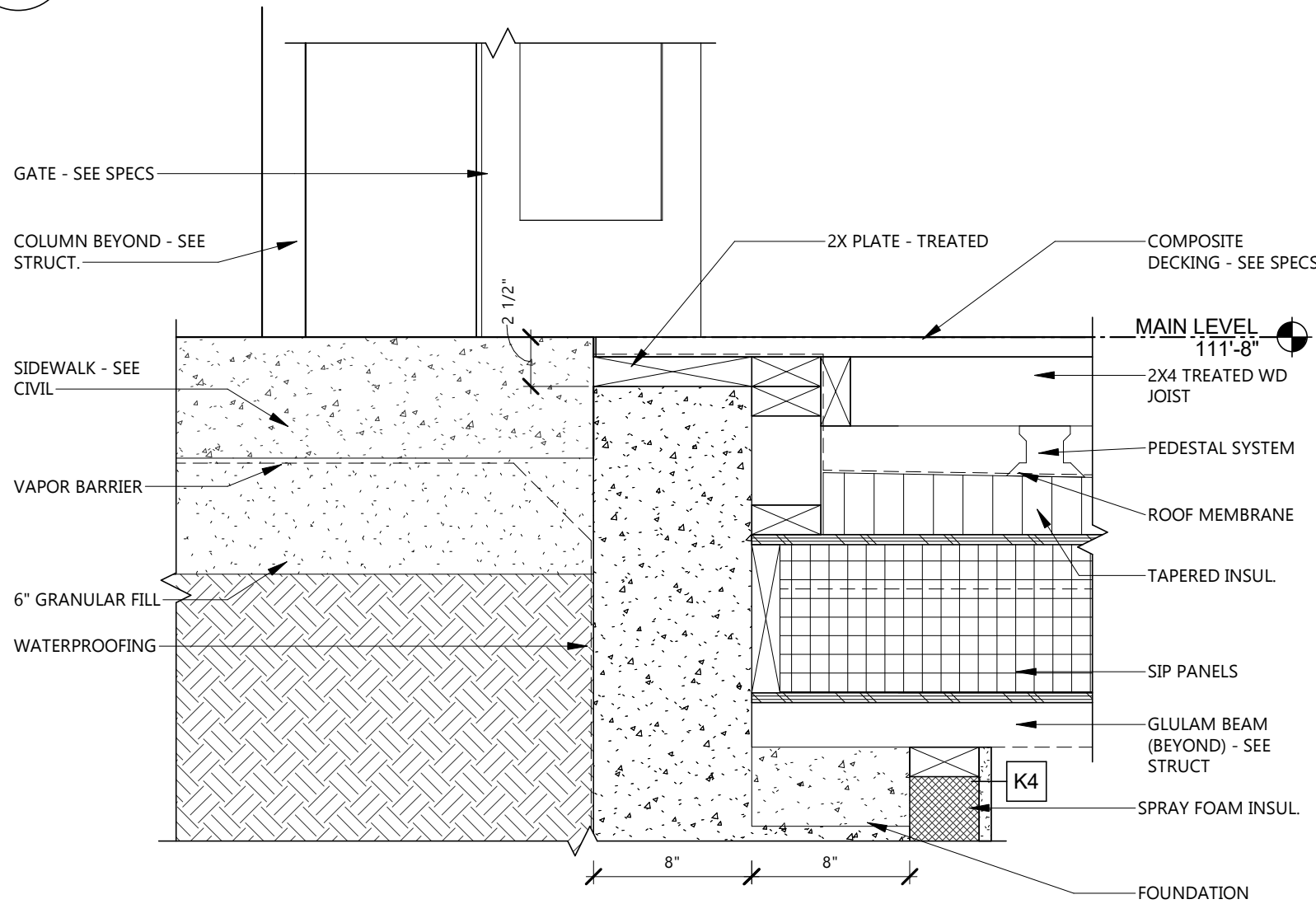
2 HANDRAIL DETAIL
3" = 1'-0"



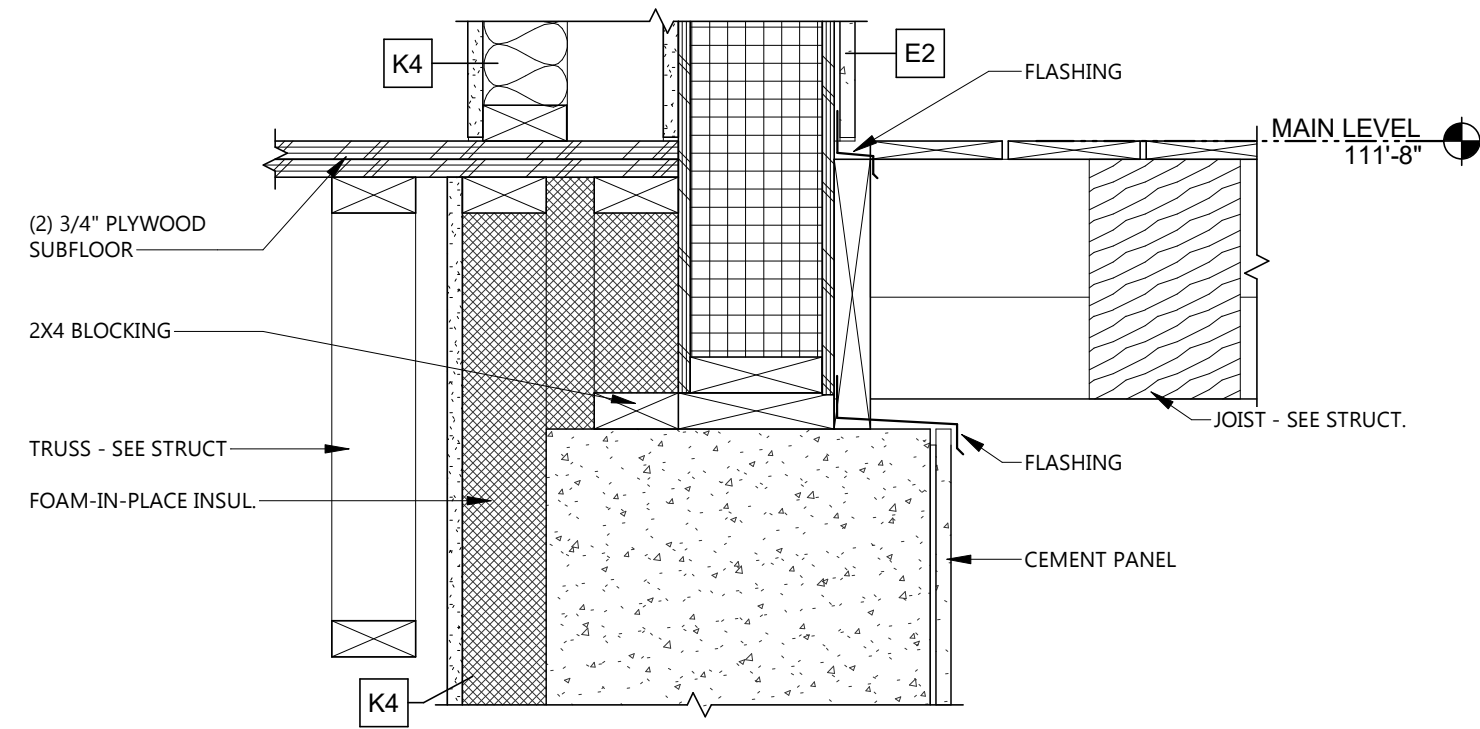
1 STAIR RAILING REQUIREMENTS
1/2" = 1'-0"

Revit Version: 2025
Plot Date: 8/17/2026 4:14:23 PM

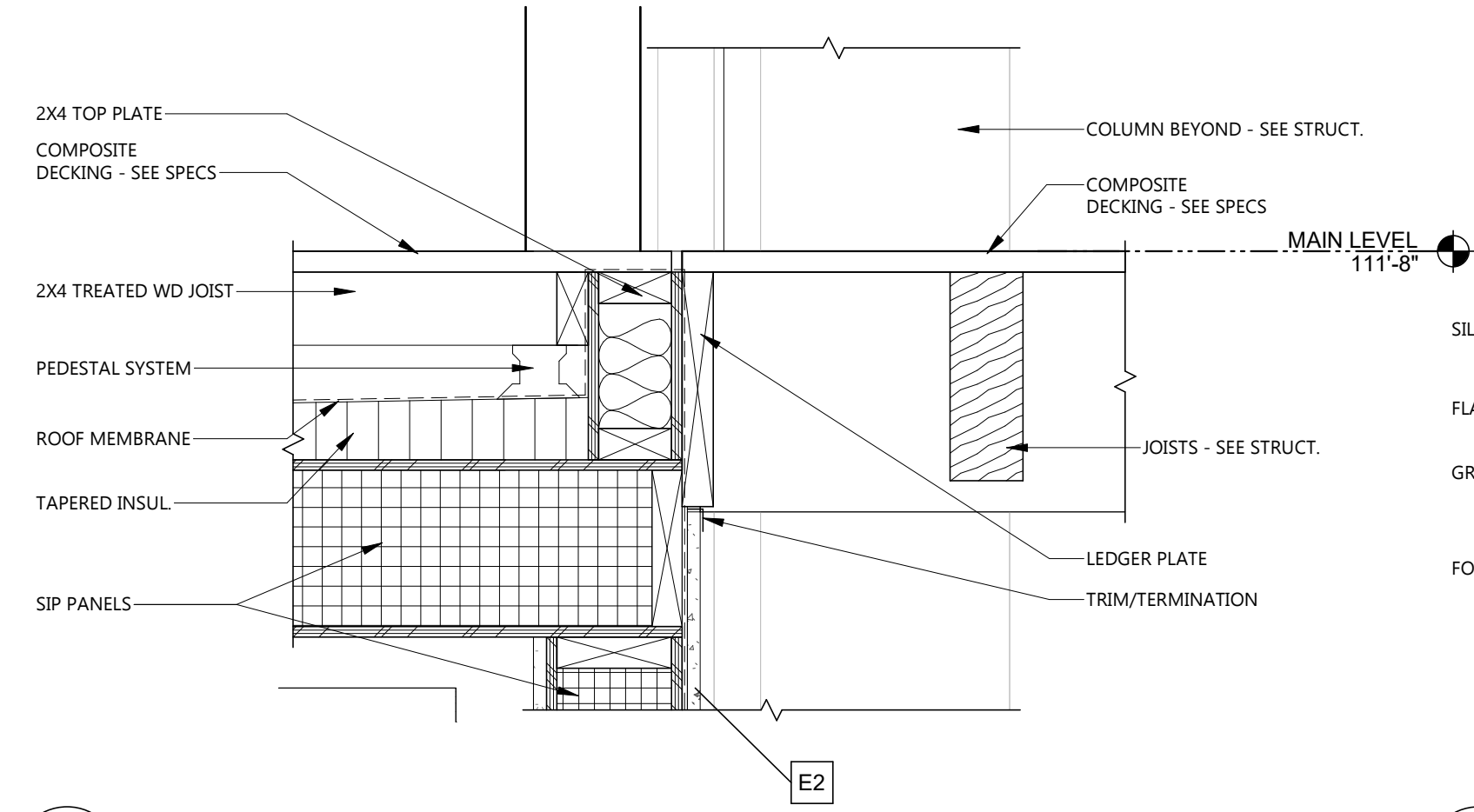
12 NORTH DECKING @ FDN. DETAIL
A601 1 1/2" = 1'-0"



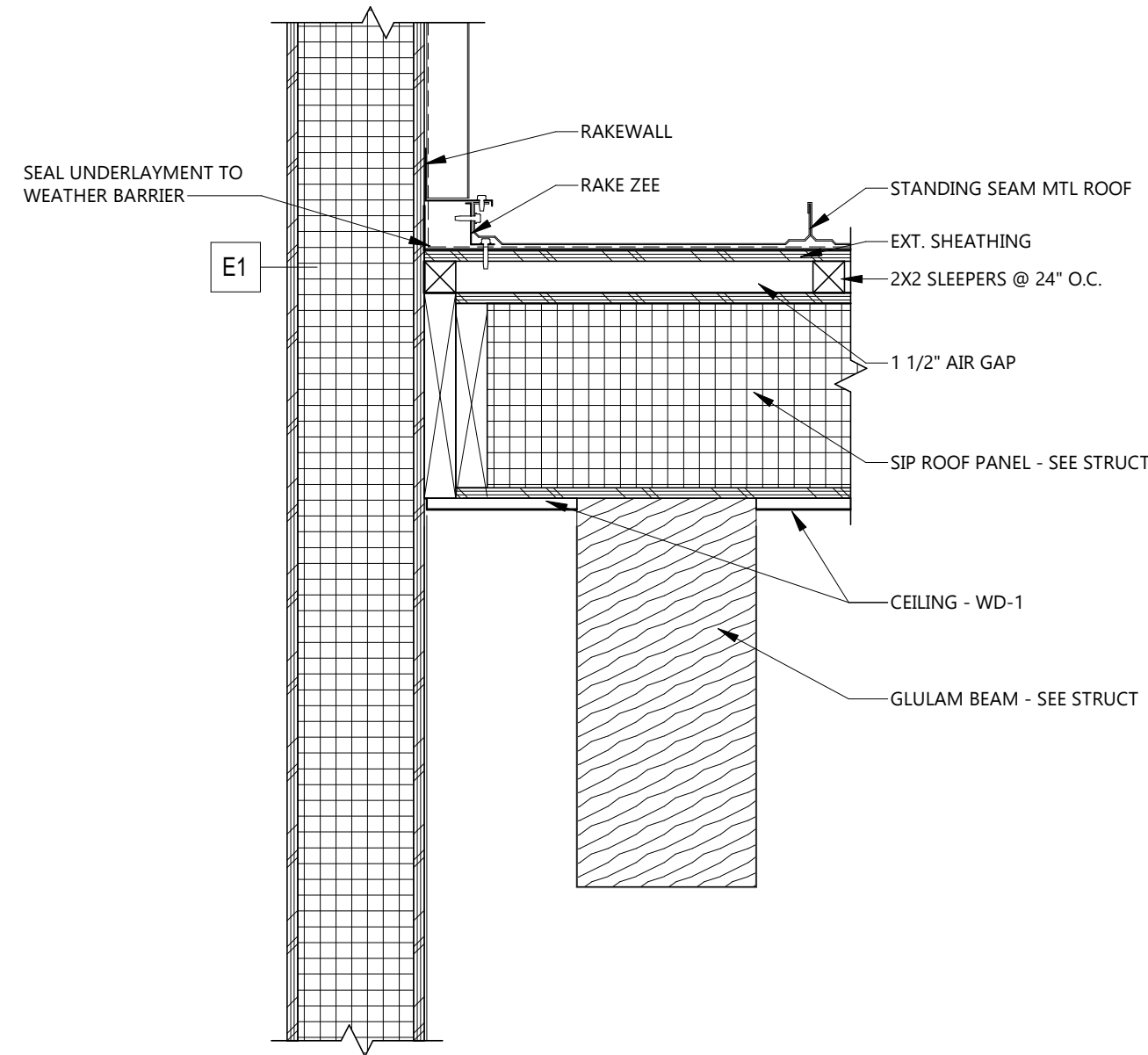
13 DECKING TO WALL DETAIL
A601 1 1/2" = 1'-0"



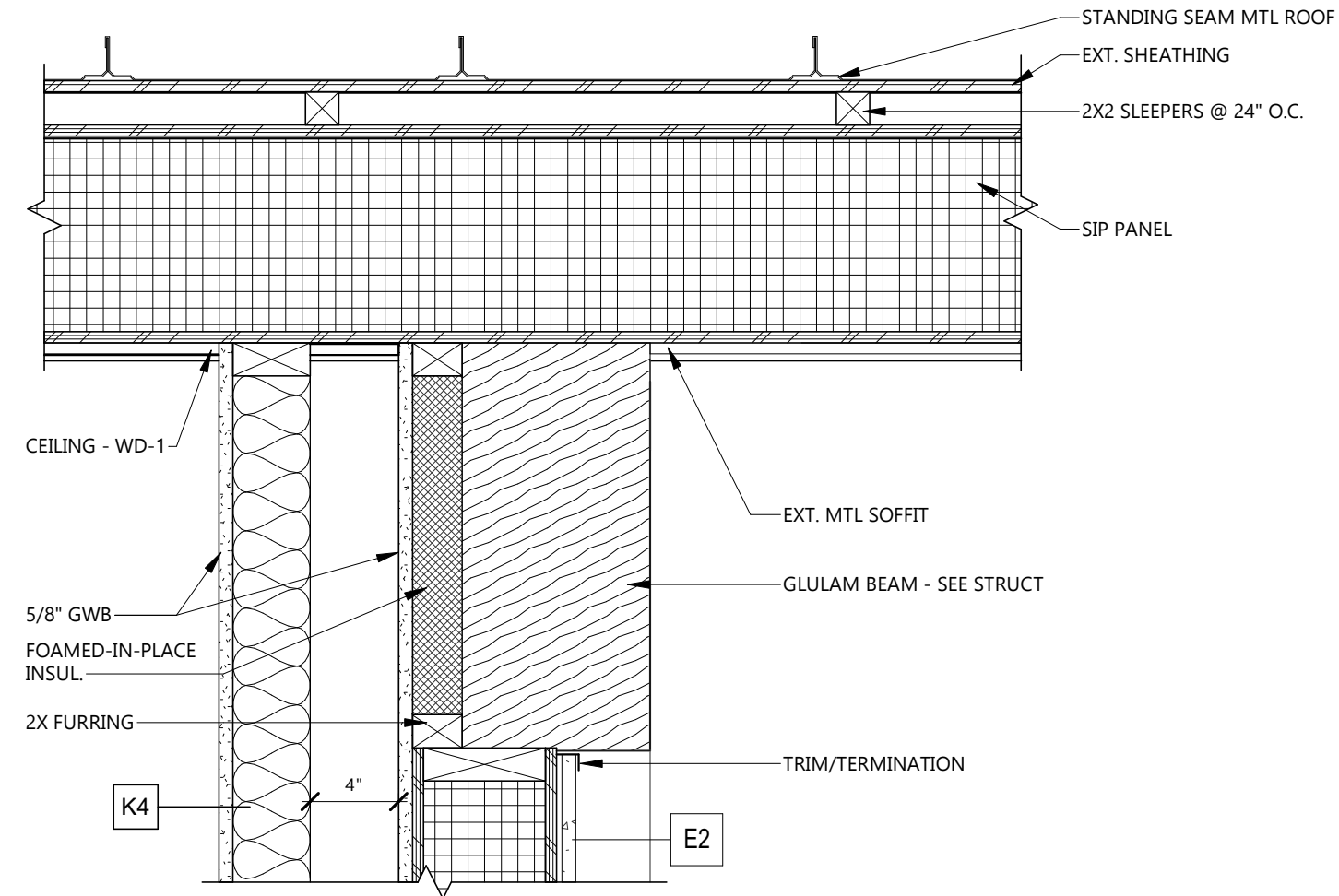
9 DETAIL @ DECKING
A601 1 1/2" = 1'-0"



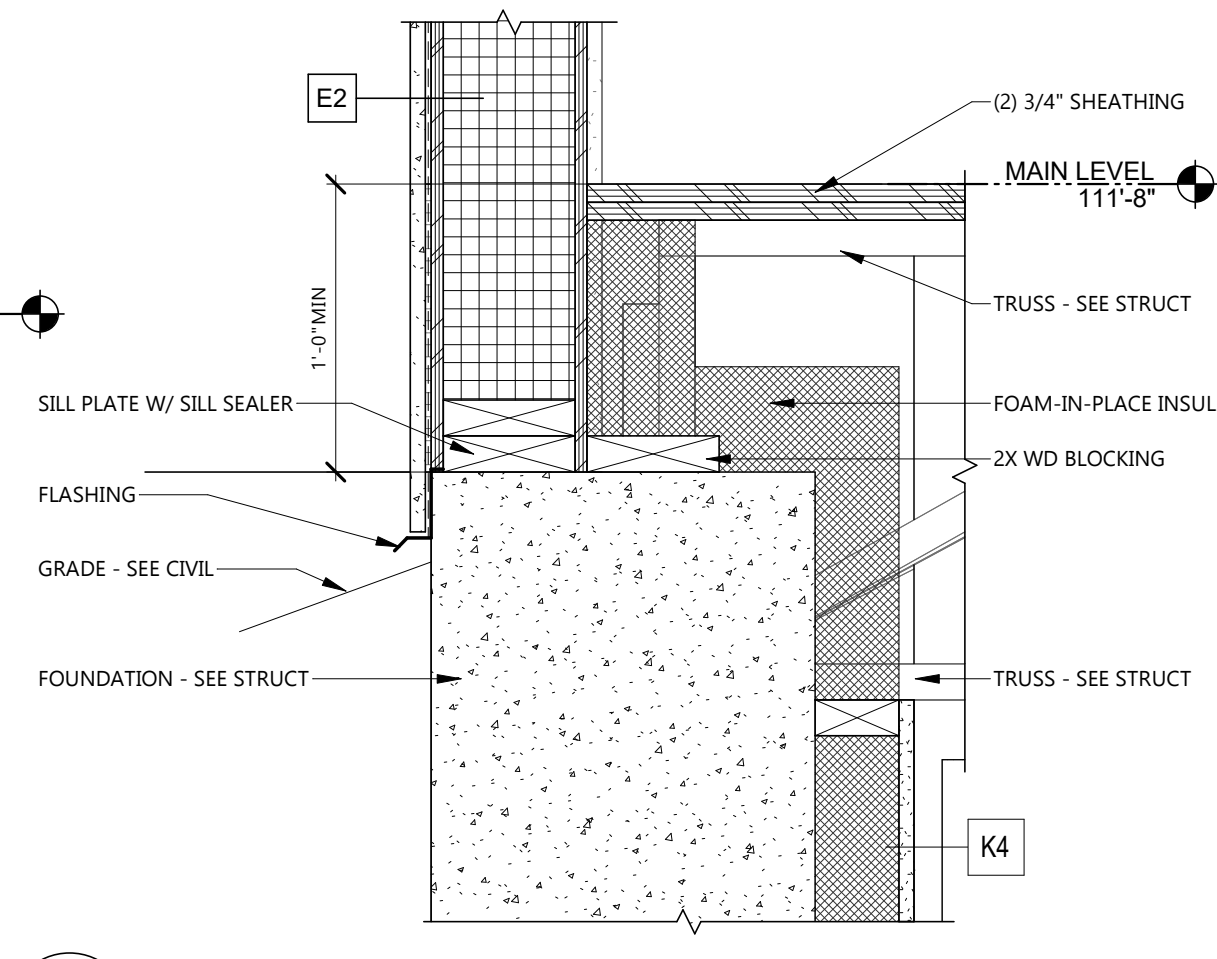
10 ROOF TO WALL DETAIL
A601 1 1/2" = 1'-0"



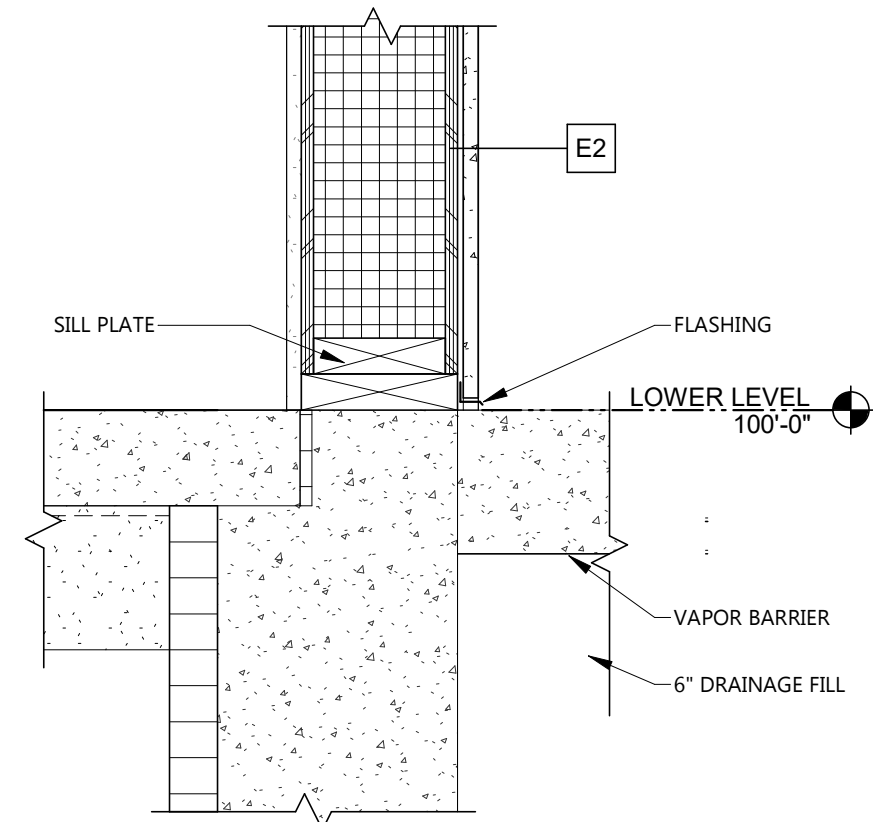
11 GLULAM IN WALL DETAIL
A601 1 1/2" = 1'-0"



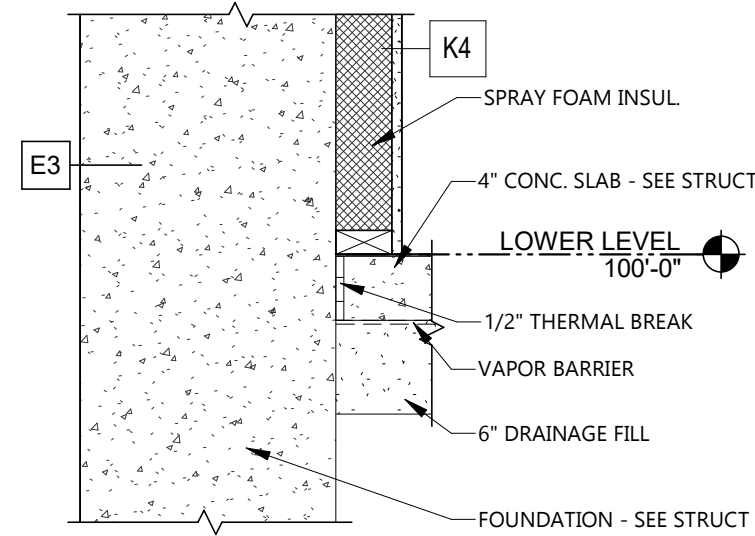
5 SIPS @ E3
A601 1 1/2" = 1'-0"



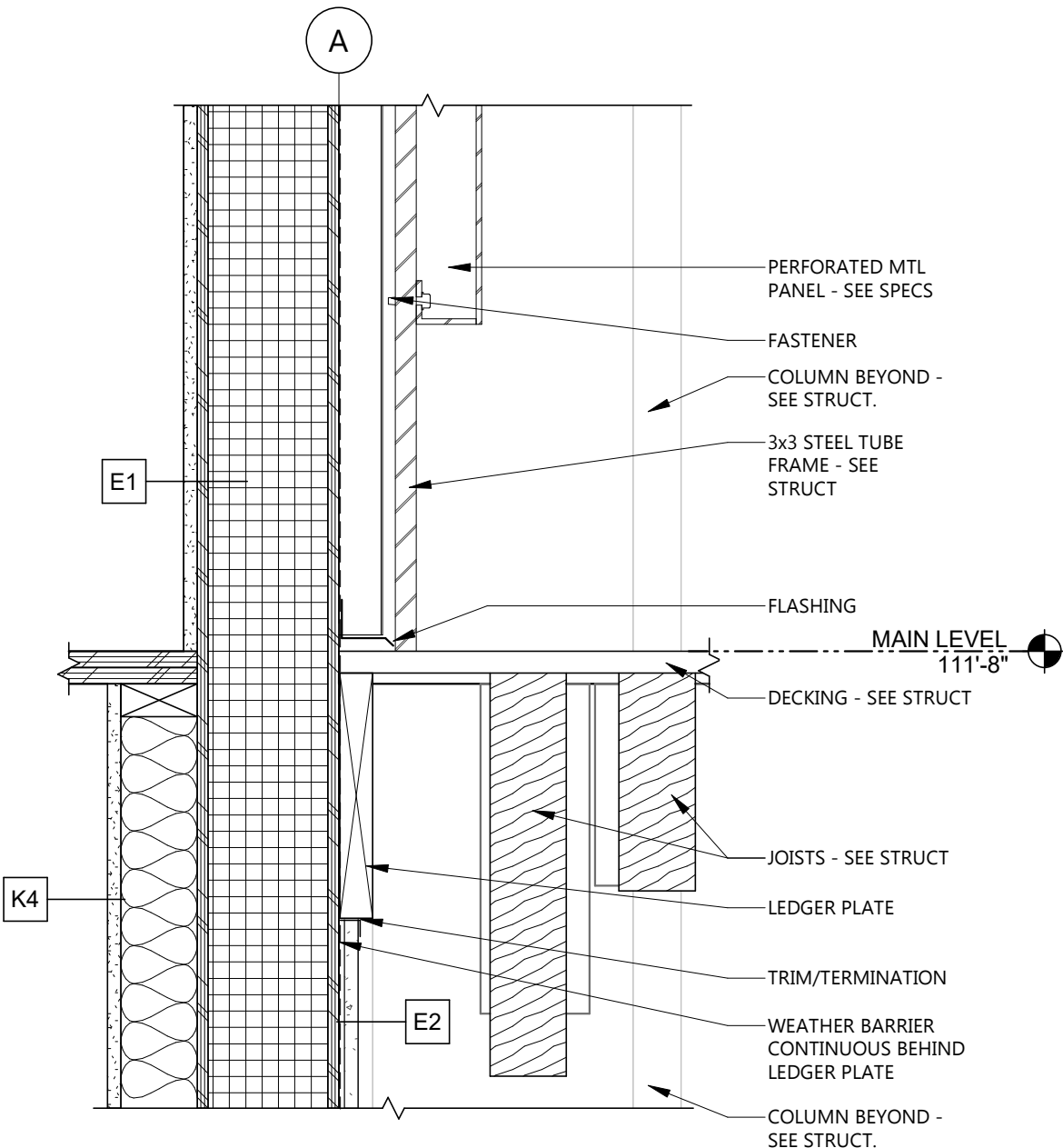
6 SIPS @ FOUNDATION
A601 1 1/2" = 1'-0"



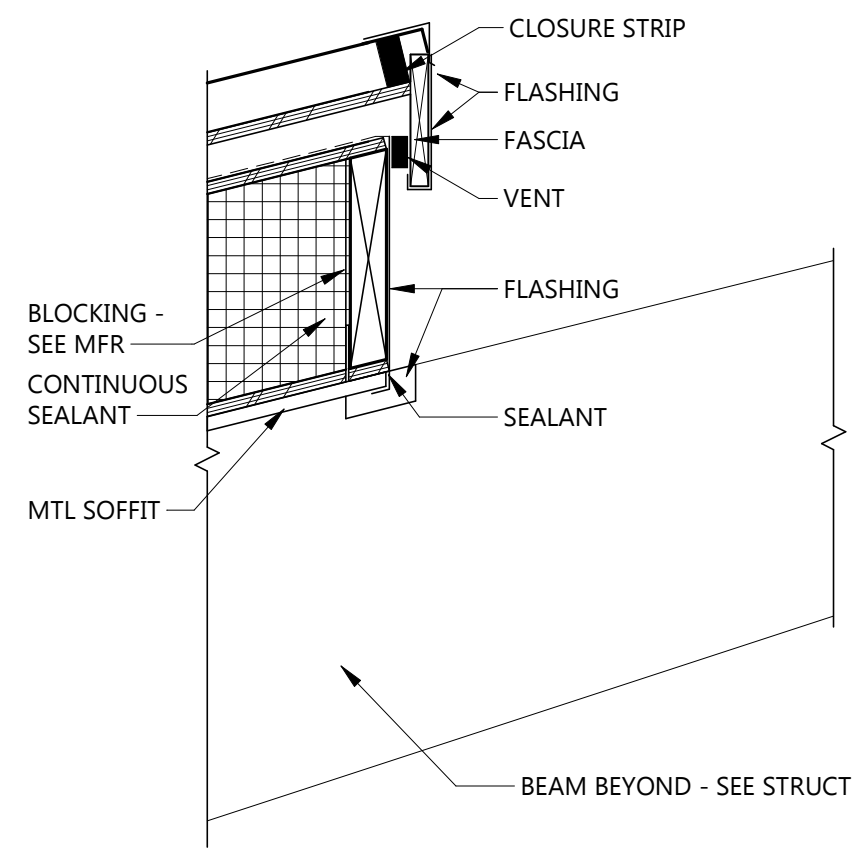
7 E3 @ FOUNDATION
A601 1" = 1'-0"



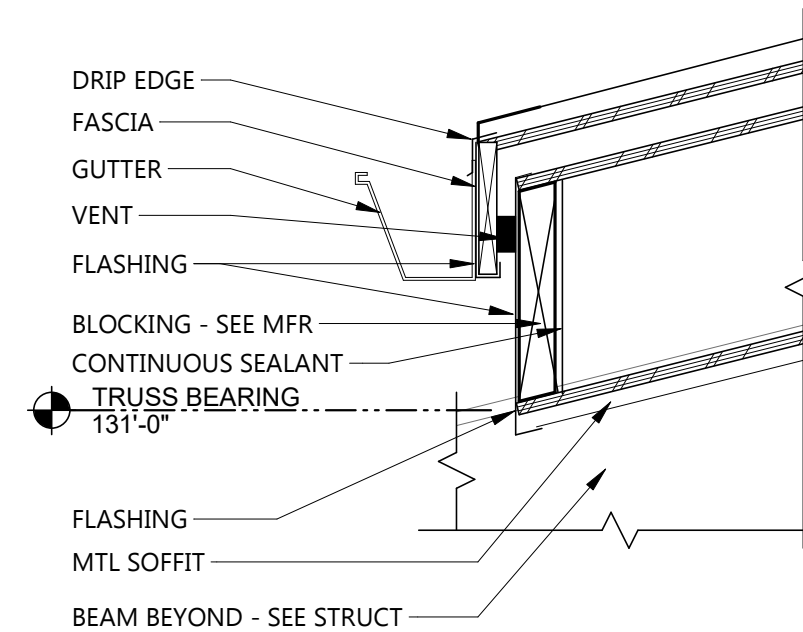
8 PERF. MTL PANEL DETAIL @ DECKING
A601 1 1/2" = 1'-0"



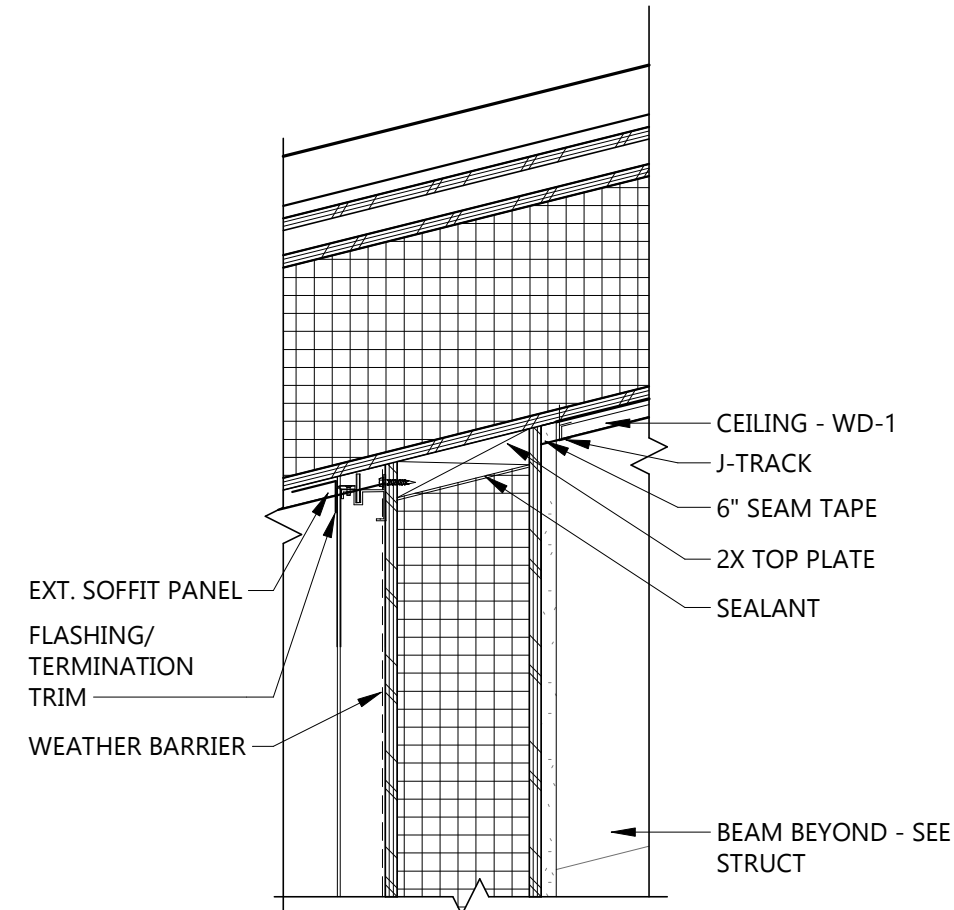
1 ROOF EDGE DETAIL HIGH SIDE
A601 1 1/2" = 1'-0"



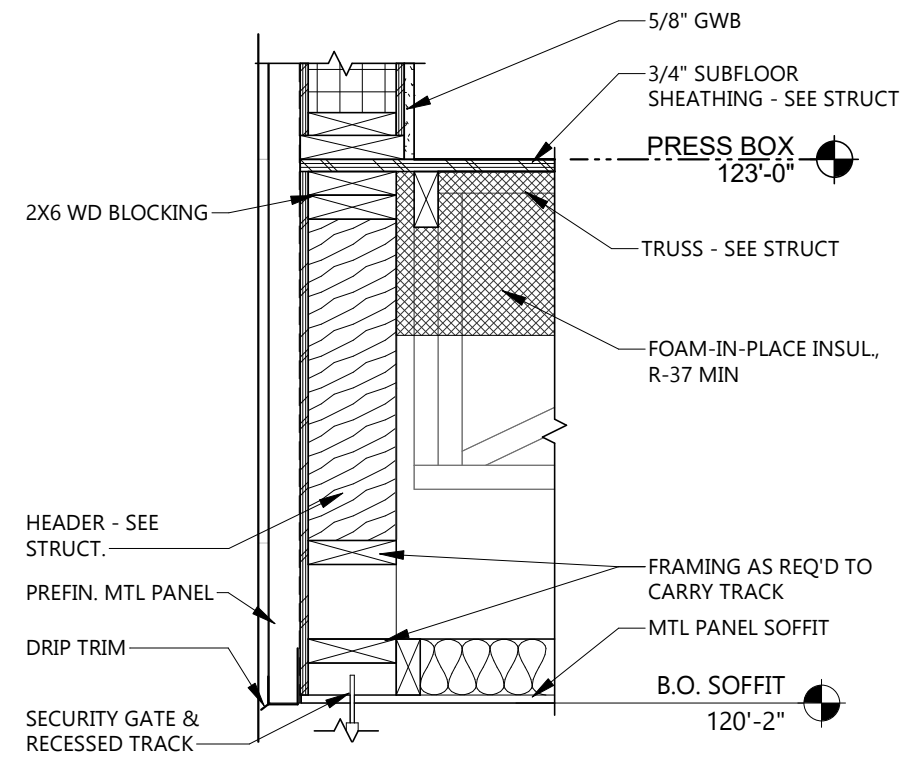
2 ROOF EDGE DETAIL LOW SIDE
A601 1 1/2" = 1'-0"



3 ROOF TO WALL DETAIL
A601 1 1/2" = 1'-0"



4 EXT SOFFIT DETAIL
A601 1" = 1'-0"



CD	CONSTRUCTION DOCUMENTS	08/17/2026
MARK	DESCRIPTION	DATE

PROJECT NO: 20263400

DRAWN BY: MGB

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Signature: *[Signature]*
Date: 08/17/2026 REG. NO.: 2002

CONSULTANTS

CLIENT
NEW TOWN SCHOOL DISTRICT

PROJECT DESCRIPTION
NEW TOWN GRANDSTANDS

CITYNEW TOWN
STATEND

ISSUE DATES

CD	CONSTRUCTION DOCUMENTS	08/17/2026
MARK	DESCRIPTION	DATE

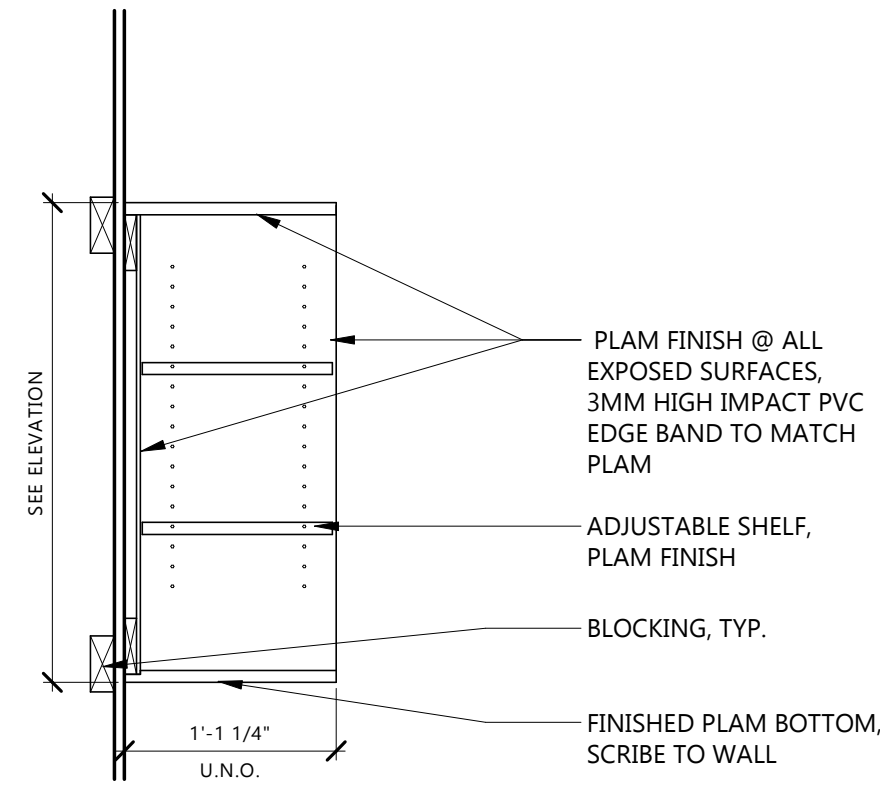
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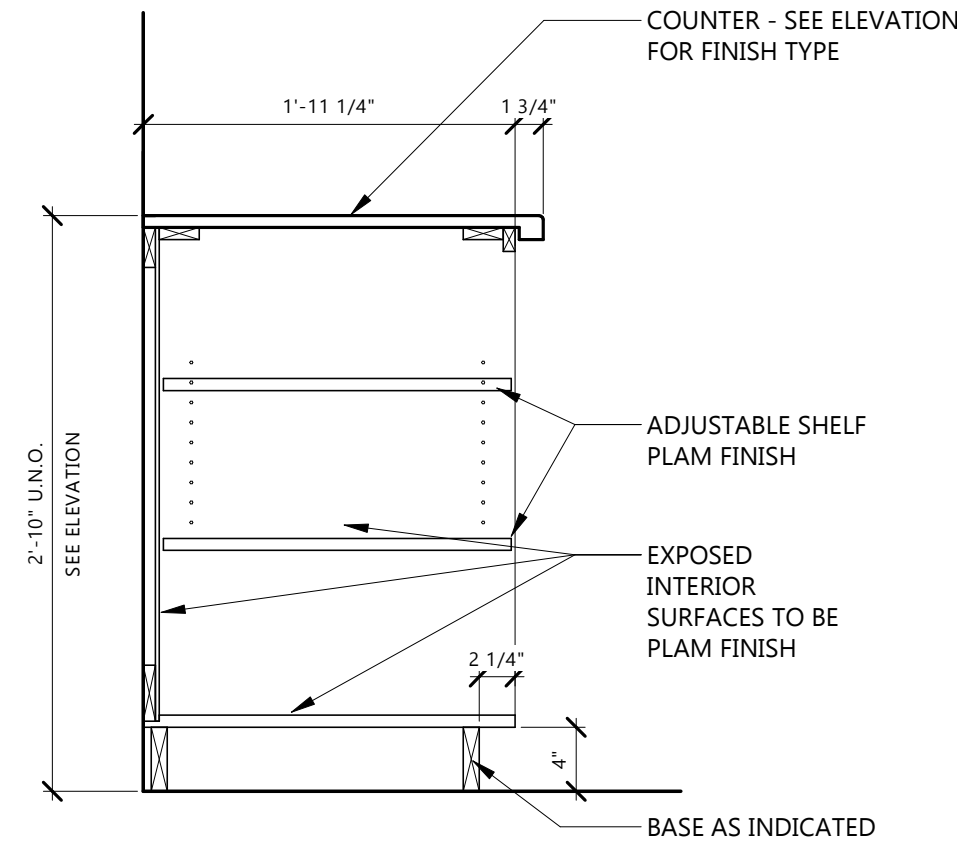
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DRAWING TITLE
MILLWORK SECTIONS, DETAILS

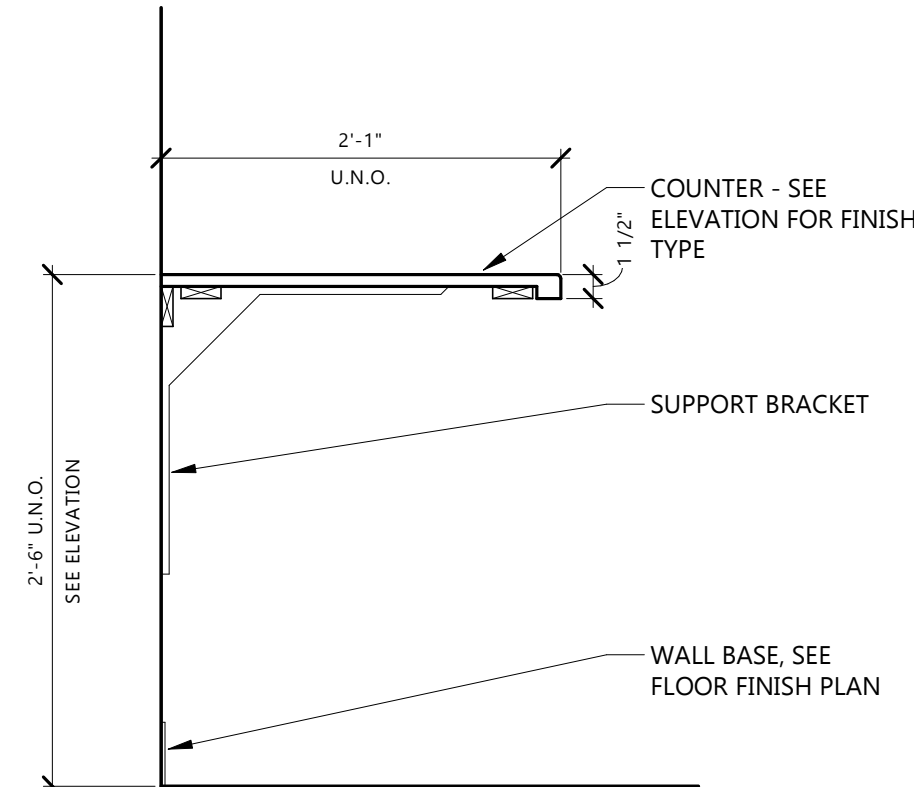
A721



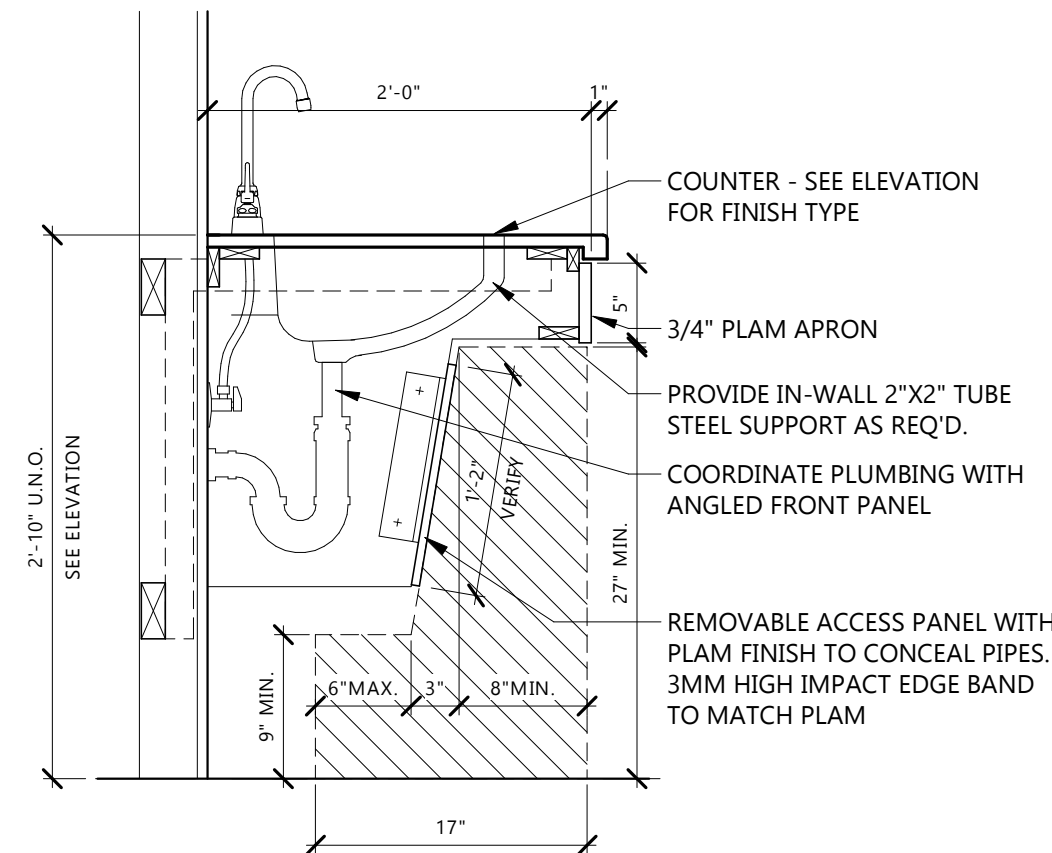
4 WC - 300 - OPEN CABINET
1" = 1'-0"



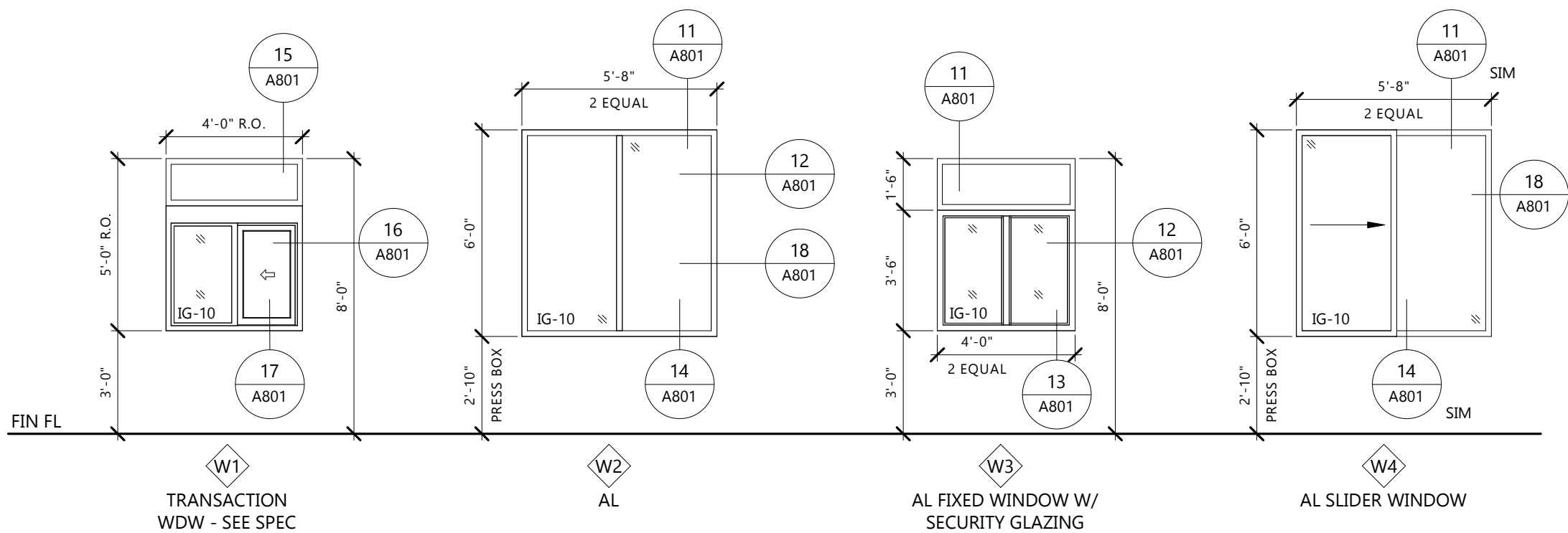
3 BC - 100 - OPEN SHELVES
1" = 1'-0"



2 BC - 000 - OPEN W/ BRACKET
1" = 1'-0"



1 BC - 158 - ADA SINK BASE
1" = 1'-0"

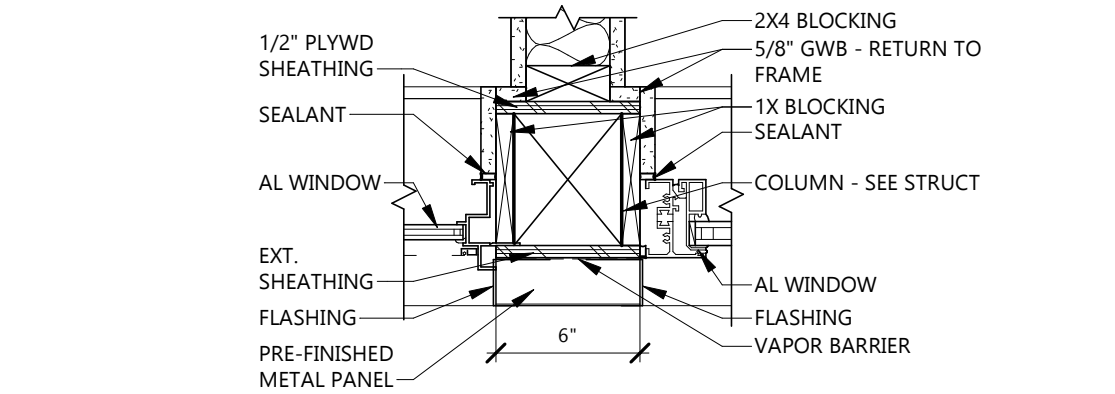


WINDOW TYPES

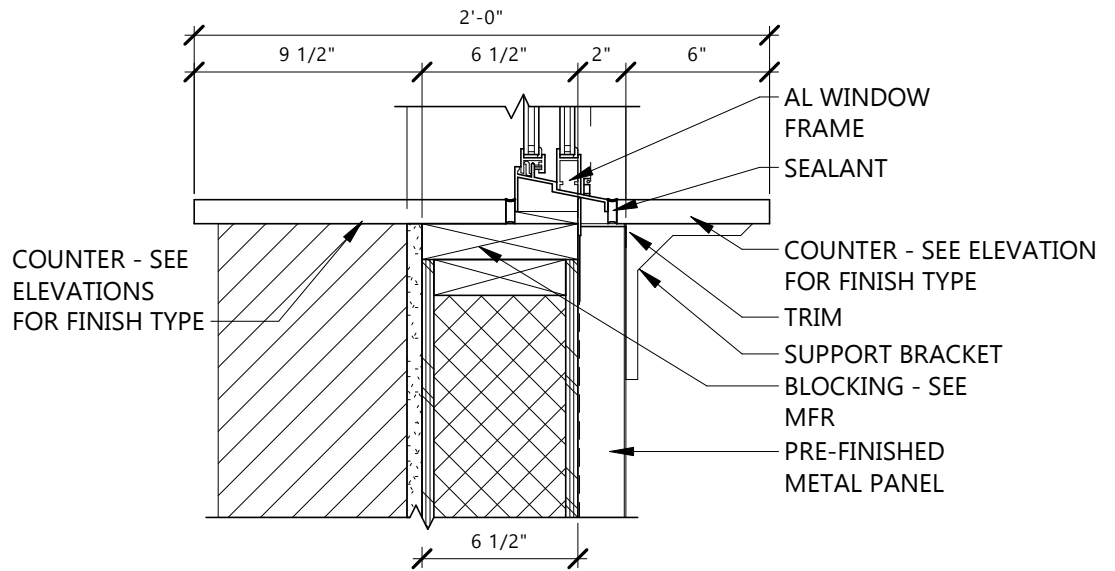
DOOR SCHEDULE											
DR #	ROOM NAME	DOOR PANEL(S)			DOOR FRAME		DETAILS - SEE SHEET A801			HDWE GROUP	NOTES
		OPENING SIZE	MTRL	TYPE	MTRL	TYPE	HEAD	JAMB	SILL		
001	LOCKER ROOM	3'-0" x 7'-0"	HM	F	HM	HM-00	6	7		1	1
002	STORAGE	3'-0" x 7'-0"	HM	F	HM	HM-00	2	3		2	
003	HALL	3'-6" x 7'-0"	HM	F	HM	HM-00	6	7		1	1
004	REFEREE	3'-0" x 7'-0"	HM	F	HM	HM-00	2	3		3	
005	MECH / ELEC	3'-6" x 7'-0"	HM	F	HM	HM-00	2	3		4	1
006	REFEREE	3'-0" x 7'-0"	HM	F	HM	HM-00	2	3		3	
007	LOCKER ROOM	3'-0" x 7'-0"	HM	F	HM	HM-00	6	7		1	1
008	MECH	3'-0" x 7'-0"	HM	F	HM	HM-00	2	3		5	1
101	FAMILY RESTROOM	3'-6" x 7'-0"	HM	F	HM	HM-00	6	7		6	1
102	FAMILY RESTROOM	3'-6" x 7'-0"	HM	F	HM	HM-00	6	7		6	1
103	WOMEN'S	3'-0" x 7'-0"	HM	F	HM	HM-00	6	7		1	1
104	STAIR	3'-0" x 7'-0"	HM	F	HM	HM-00	4	5		1	1
105	TICKETING	3'-0" x 7'-0"	HM	F	HM	HM-00	4	5		1	1
106	JANITOR	3'-0" x 7'-0"	HM	F	HM	HM-00	4	5		1	1
107	MEN'S	3'-0" x 7'-0"	HM	F	HM	HM-00	6	7		1	1
108	CONCESSIONS	3'-6" x 7'-0"	HM	F	HM	HM-00	6	7		1	1
108A	CONCESSIONS	6'-0" x 4'-0"	STL	OHC-S		OHC	8	9	10	7	
201	ELEC / DATA	3'-0" x 7'-0"	HM	F	HM	HM-00	2	3		4	1
202	STORAGE	3'-0" x 7'-0"	HM	F	HM	HM-00	2	3		4	1

DOOR SCHEDULE NOTES

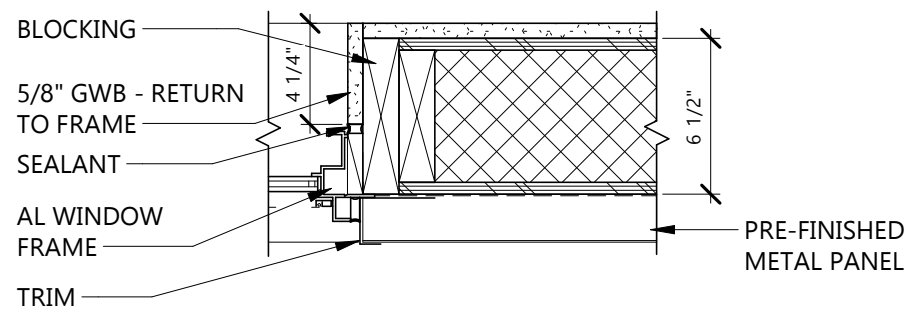
1. CARD READER



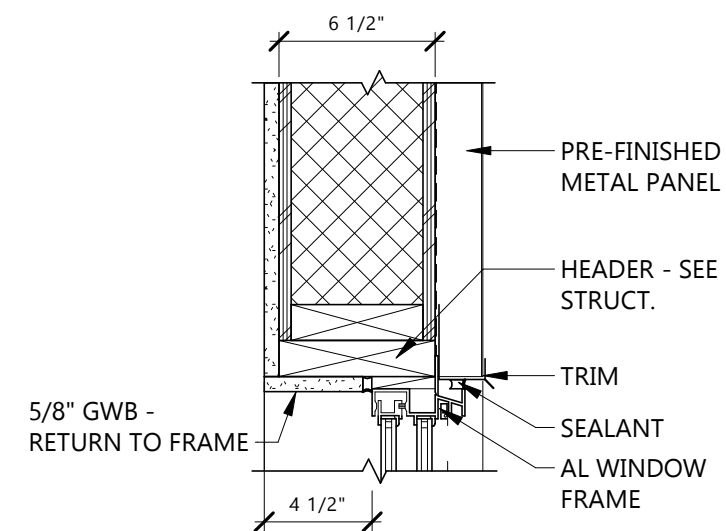
18 AL WINDOW JAMB @ WALLS
A801 1 1/2" = 1'-0"



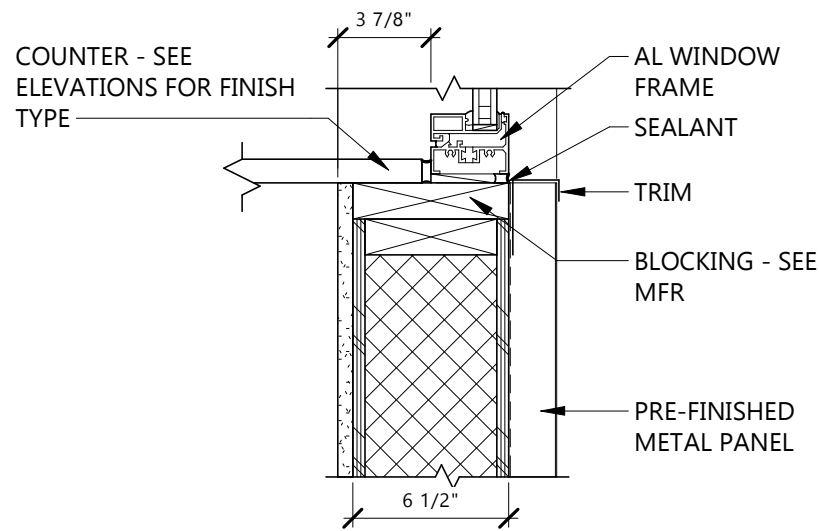
17 TRANSACTION WDW SILL @ E1
A801 1 1/2" = 1'-0"



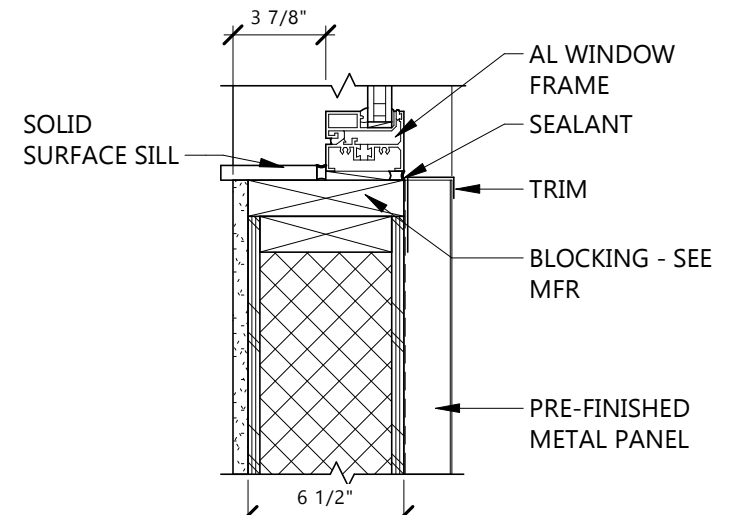
16 TRANSACTION WDW JAMB @ E1
A801 1 1/2" = 1'-0"



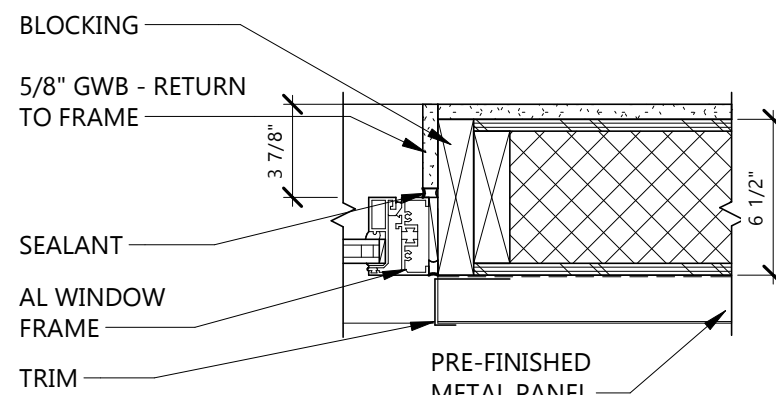
15 TRANSACTION WDW HEAD @ E1
A801 1 1/2" = 1'-0"



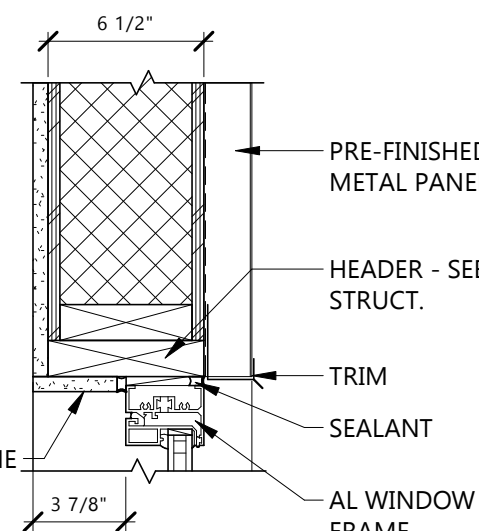
14 AL WDW SILL @ COUNTER
A801 1 1/2" = 1'-0"



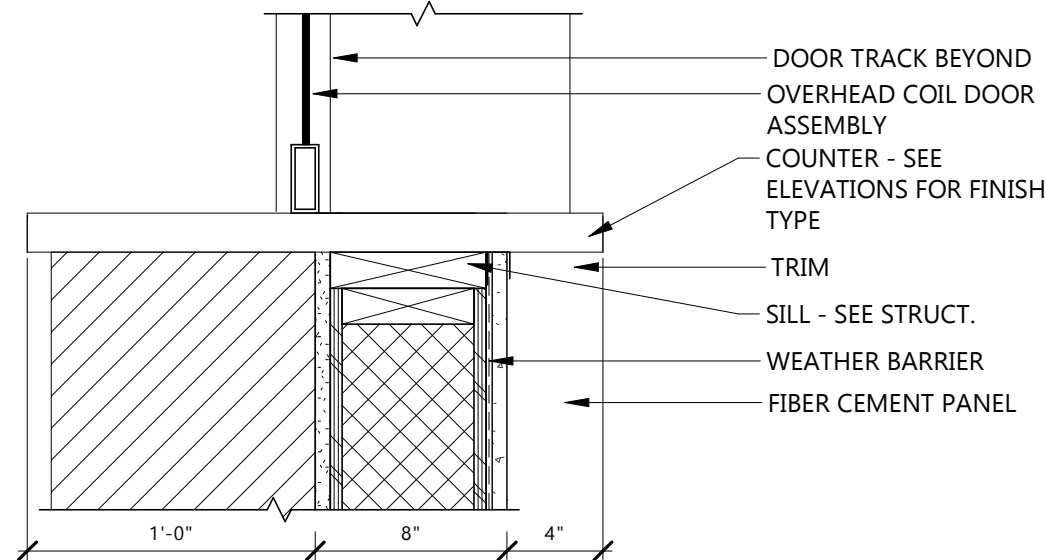
13 AL WDW SILL @ E1
A801 1 1/2" = 1'-0"



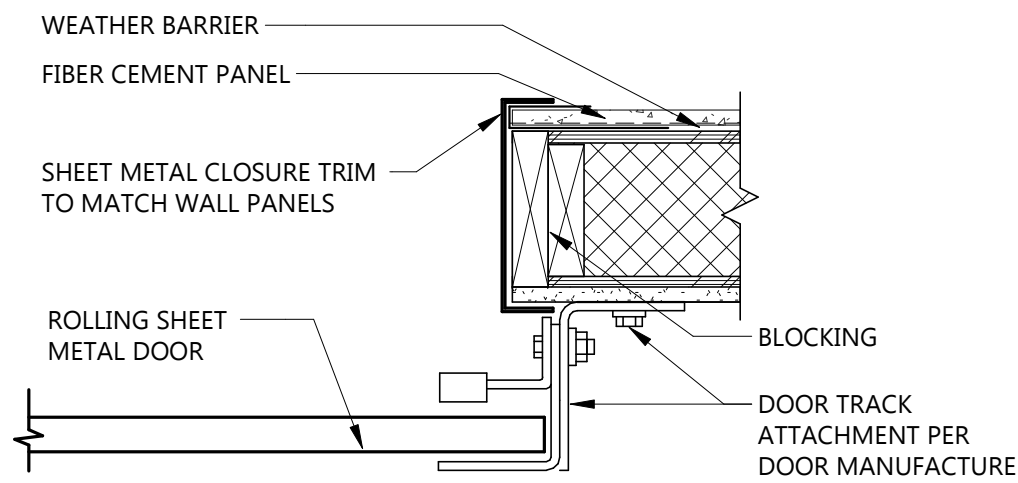
12 AL WDW JAMB @ E1
A801 1 1/2" = 1'-0"



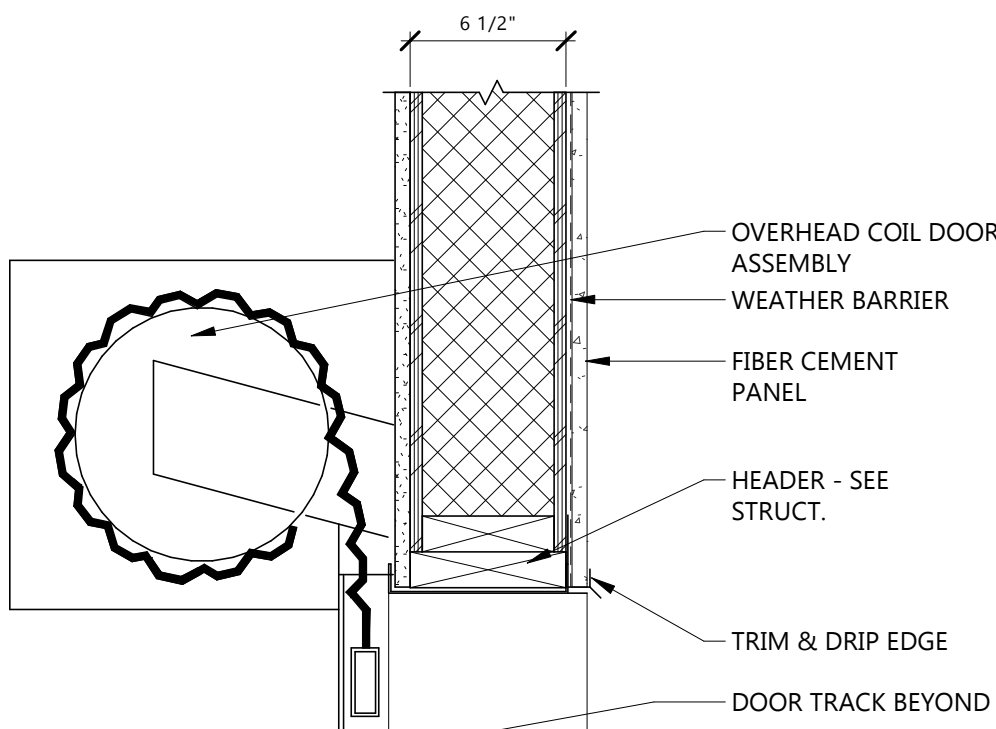
11 AL WDW HEAD @ E1
A801 1 1/2" = 1'-0"



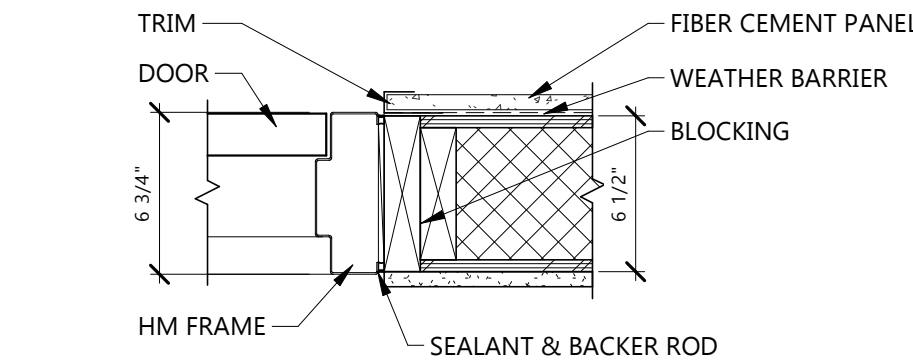
10 OHCD SILL @ E2
A801 1 1/2" = 1'-0"



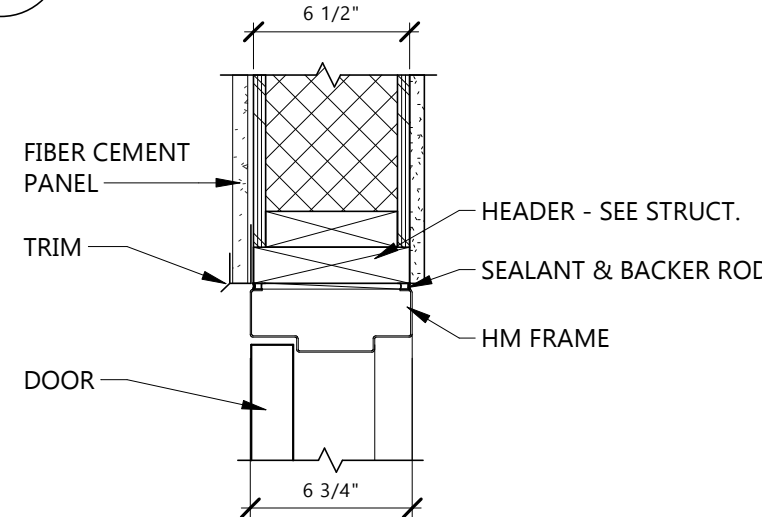
9 OHCD JAMB @ E2
A801 1 1/2" = 1'-0"



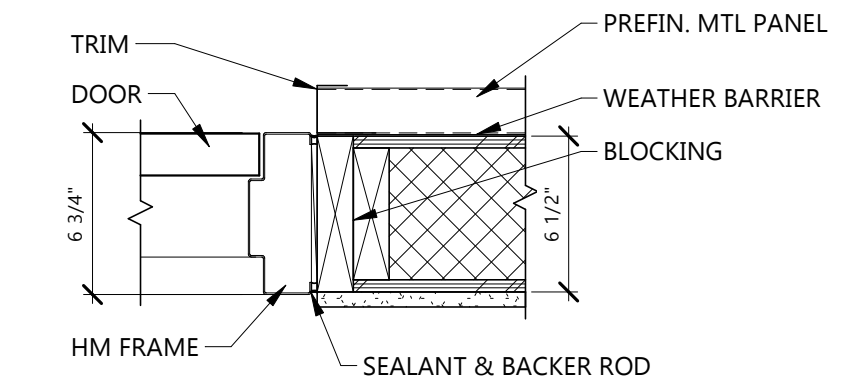
8 OHCD HEAD @ E2
A801 1 1/2" = 1'-0"



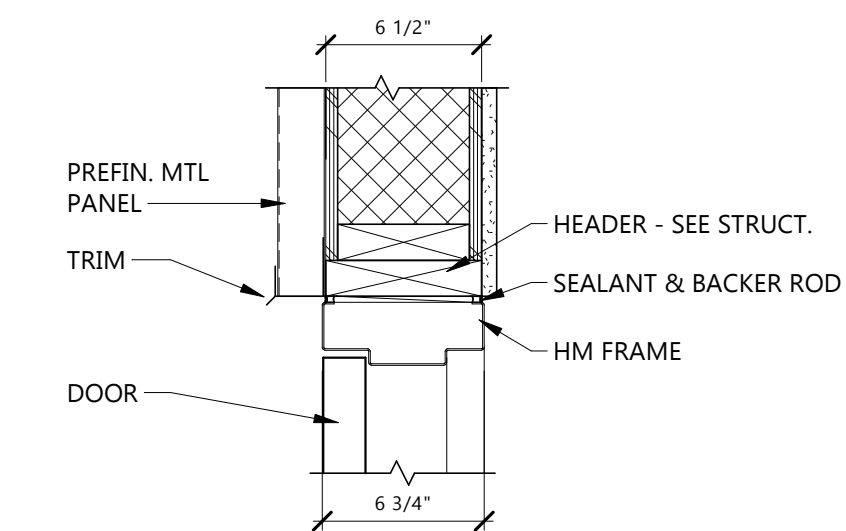
7 EXT DOOR JAMB @ E2
A801 1 1/2" = 1'-0"



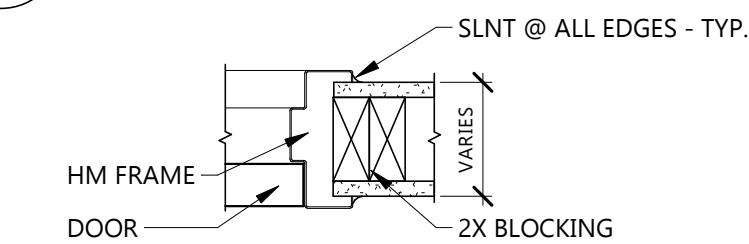
6 EXT DOOR HEAD @ E2
A801 1 1/2" = 1'-0"



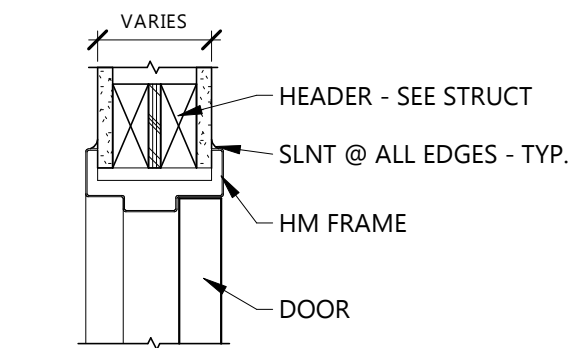
5 EXT DOOR JAMB @ E1
A801 1 1/2" = 1'-0"



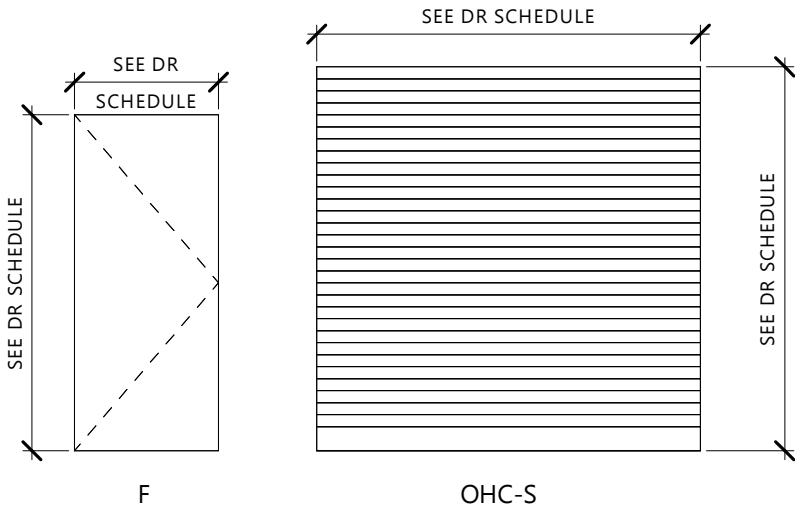
4 EXT DOOR HEAD @ E1
A801 1 1/2" = 1'-0"



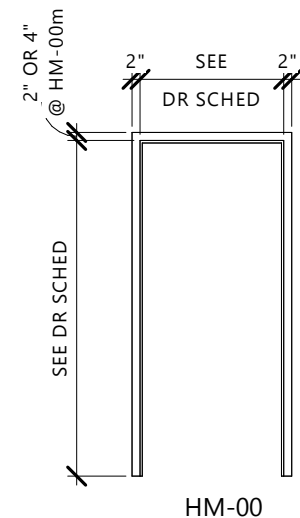
3 INTERIOR HM DOOR JAMB
A801 1 1/2" = 1'-0"



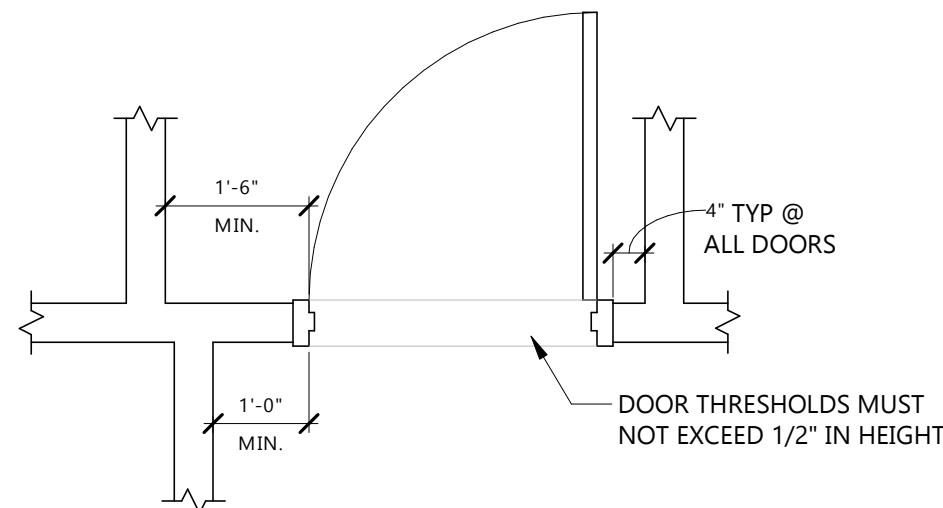
2 INTERIOR HM DOOR HEAD
A801 1 1/2" = 1'-0"



DOOR PANEL TYPES



DOOR FRAME TYPES



1 ADA DOOR CLEARANCES
A801 1/2" = 1'-0"



Architecture Engineering
Interior Design Industrial

TELEPHONE 701.258.3116

116 W. Main Ave., Suite A, Bismarck ND 58501

www.eapc.net

CONSULTANTS

CLIENT

NEW TOWN SCHOOL DISTRICT

PROJECT DESCRIPTION

NEW TOWN GRANDSTANDS

CITY NEW TOWN

STATE ND

ISSUE DATES

CD	CONSTRUCTION DOCUMENTS	08/17/2026
MARK	DESCRIPTION	DATE

PROJECT NO: 20263400

DRAWN BY: MGB

CHECKED BY: PAB

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Signature: [Signature]

Date: 08/17/2026 REG. NO.: 2002

DRAWING TITLE

DOOR SCHEDULE, DOOR AND WINDOW ELEVATIONS

A801

ROOM FINISH SCHEDULE								
ROOM		FLOOR	BASE	WALLS				CEILING
NO.	NAME			NORTH	EAST	SOUTH	WEST	FINISH
001	LOCKER ROOM	RSF-2/ T-1	RB-1/ T-1	P-1/ T-2	P-1/ T-2	P-1/ T-2	P-1/ T-2	P-2
002	STORAGE	CFS-1	RB-1	P-1	P-1	P-1	P-1	P-2
003	HALL	RTF-1	RB-1	P-1	P-1	P-1	P-1	P-2
004	REFEREE	RTF-1	RB-1	P-1	P-1	P-1	P-1	P-2
005	MECH / ELEC	CFS-X	RB-1	P-1	P-1	P-1	P-1	P-2
006	REFEREE	RTF-X	RB-1	P-1	P-1	P-1	P-1	P-2
007	LOCKER ROOM	RSF-2/ T-1	RB-1/ T-1	P-1/ T-2	P-1/ T-2	P-1/ T-2	P-1/ T-2	P-2
008	MECH	CFS-1	RB-1	P-1	P-1	P-1	P-1	P-2

FINISH LEGEND	
PNT-X	WALL FINISH SYMBOL
CTF-X	FLOOR FINISH SYMBOL
EXG	EXISTING FLOOR FINISH TO REMAIN

- GENERAL FINISH NOTES
1.

REFER TO SHEET A001 FOR ADDITION GENERAL NOTES.
2.

REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND REFLECTED CEILING PLANS FOR ADDITIONAL FINISH LOCATIONS.
3.

REFER TO FINISH ELEVATIONS FOR PAINT COLOR, ARTWORK, AND GRAPHIC LOCATIONS.
4.

ALL AREAS OF CONCRETE SLAB RECEIVING A FLOOR COVERING SHALL UNDERGO MOISTURE TESTING IN ACCORDANCE WITH SPECIFICATIONS AND MANUFACTURERS INSTALLATION. SUBMIT CONCRETE MOISTURE TESTING REPORT WITH DATA SHOWING COMPLIANCE.
5.

CONTRACTOR SHALL INSTALL ALL MATERIALS IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND SPECIFICATIONS, INCLUDING REQUIREMENTS AFFECTING PRODUCT WARRANTIES.
6.

ALL TRANSITIONS OF FLOOR FINISH MATERIALS SHALL BE LOCATED DIRECTLY UNDER CENTER OF DOOR, WHERE OCCURS, UNO, AT SLIDING DOORS, TRANSITIONS SHALL BE LOCATED ON THE INSIDE FACE OF DOOR, UNO.
7.

ALIGN TILE TRANSITIONS ON WHOLE TILE WHERE POSSIBLE.
8.

TILE BASE AND THRESHOLD GROUT JOINTS TO ALIGN WITH TILE FLOOR GROUT JOINTS.
9.

PROVIDE GROUT JOINT OF 3/16" (5MM). MAXIMUM DEVIATION OF TILE AND GROUT LINE OF 1/4" PER 48"
10.

ALL WOOD SURFACES (DOOR, TRIM, SHELVES, CABINETRY, ETC) SHALL BE SEALED.
11.

ALL SEALANTS, EXPOSED TO VIEW, ARE TO MATCH SURFACE IN WHICH THEY OCCUR. FINAL COLOR TO BE SELECTED BY ARCHITECT.
12.

JOINTS IN 1/8" >RESILIENT BASE SHALL BE NO LESS THAN 6" FROM CORNER AND SEALED TIGHTLY TOGETHER. CORNERS NEED TO BE JOB FORMED ONSITE, UNO.
13.

REMOVE ALL PAINT FROM WHERE IT HAS SPILLED, SPLASHED, OR SPLATTERED ON EXPOSED SURFACES.
14.

FOR STAINED AND PAINTED SURFACES, ALL JOINTS SHALL BE FINISHED AND NAIL HOLES FILLED TO PRODUCE A CONSISTENT APPEARANCE.
15.

PREPARE ALL CORNERS SHOWN ON A901 AND A903 WHERE SPECIALTY CORNER GUARD INDICATED.
16.

PROVIDE CORNER GUARDS AT OUTSIDE CORNERS, IN ALL PUBLIC SPACE OR AS INDICATED ON FINISH PLAN.
17.

FULL HEIGHT CORNER GUARDS TYPICAL AT ALL PUBLIC AND MULTI-OCCUPANT SPACES AND WHERE MATERIAL TYPE/ COLOR/ FINISH CHANGES.
18.

CONTRACTOR TO SUBMIT FLOOR SEAMING DIAGRAM APPROVAL PRIOR TO FABRICATION AND INSTALLATION.
19.

EXPOSED TO VIEW STRUCTURE, TO RECEIVE DRYWALL PAINT, UNO. COLOR AS SELECTED.
20.

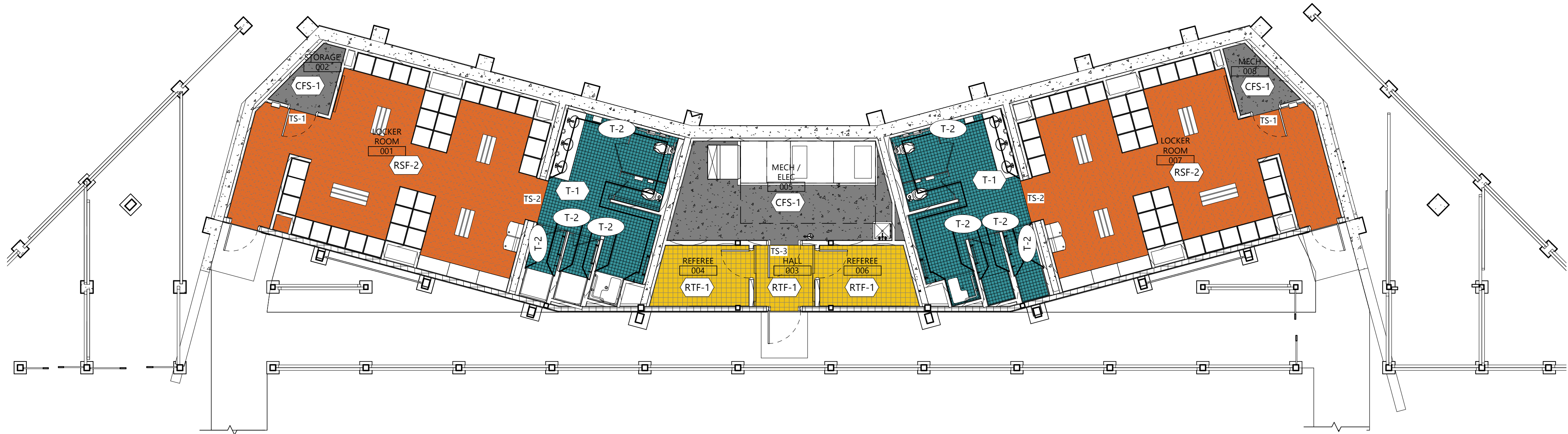
CHANGE OF PAINT COLOR AT INSIDE CORNERS, UNO.
21.

REMOVE SURFACE IMPERFECTIONS AND PAINT ALL EXPOSED TO VIEW STEEL COLUMNS.
22.

ALL TILE INSTALLATIONS SHALL INCLUDE MOVEMENT JOINTS COMPLIANT WITH THE CONDITIONS, LOCATIONS, AND METHODS DESCRIBED BY THE MOST RECENTLY PUBLISHED VERSION OF THE TILE COUNCIL OF NORTH AMERICA (TCNA) HANDBOOK FOR CERAMIC, GLASS, AND STONE INSTALLATION MOVEMENT JOINT GUIDELINES. MOVEMENT JOINTS SHALL BE FIELD COORDINATED WITH ARCHITECT PRIOR TO INSTALLATIONS.
23.

SEE STRUCTURAL FOR CONCRETE SUBFLOOR JOINT LOCATIONS INTERIOR FINISHES ARE TO BE COORDINATED WITH STRUCTURAL EXPANSION JOINTS. GC TO SUBMIT CONTROL JOINT PLAN FOR APPROVAL. SEE DETAILS.

KEYNOTE LEGEND:	
< < <	INDICATES KEYNOTE ON PLAN



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ROOM FINISH SCHEDULE									
ROOM		FLOOR	BASE	WALLS				CEILING	NOTES
NO.	NAME			NORTH	EAST	SOUTH	WEST	FINISH	
101	FAMILY RESTROOM	T-1	T-1	P-1/ T-2	P-1/ T-2	P-1/ T-2	P-1/ T-2	WD-1	
102	FAMILY RESTROOM	T-1	T-1	P-1/ T-2	P-1/ T-2	P-1/ T-2	P-1/ T-2	WD-1	
103	WOMEN'S	T-1	T-1	P-1/ T-2	P-1/ T-2	P-1/ T-2	P-1/ T-2	WD-1	
104	STAIR	STR-1	RB-1	P-1	P-1	P-1	P-1	WD-1	
105	TICKETING	RTF-1	RB-1	P-1	P-1	P-1	P-1	WD-1	
106	JANITOR	RSF-1	RSF-1	P-1/ FRP-1	P-1/ FRP-1	P-1/ FRP-1	P-1/ FRP-1	WD-1	
107	MEN'S	T-1	T-1	P-1/ T-2	P-1/ T-2	P-1/ T-2	P-1/ T-2	WD-1	
108	CONCESSIONS	RSF-1	RSF-1	P-1/ FRP-2	P-1/ FRP-2	P-1/ FRP-2	P-1/ FRP-2	WD-1	

FINISH LEGEND	
PNT-X	WALL FINISH SYMBOL
CTF-X	FLOOR FINISH SYMBOL
EXG	EXISTING FLOOR FINISH TO REMAIN

- GENERAL FINISH NOTES
1.

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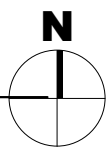
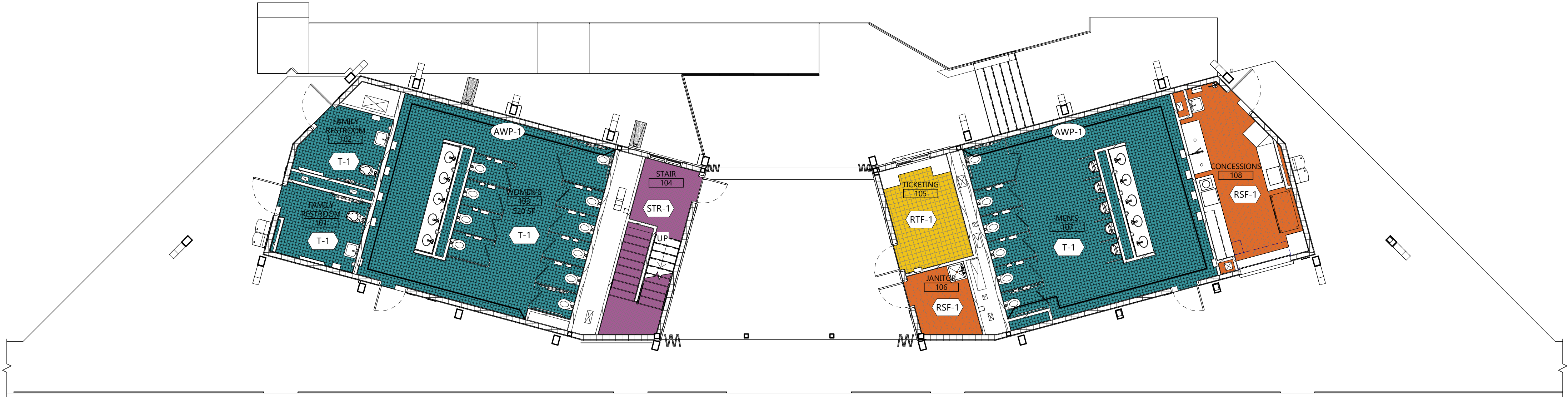
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KEYNOTE LEGEND:

<<<

<<< INDICATES KEYNOTE ON PLAN



CITYNEW TOWN

STATEND

PROJECT DESCRIPTION

NEW TOWN
GRANDSTANDS

CLIENT

NEW TOWN SCHOOL
DISTRICT

CONSULTANTS

TELEPHONE701.258.3116

116 W. Main Ave., Suite A, Bismarck ND 58501

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ArchitectureEngineering

Interior DesignIndustrial



CD	CONSTRUCTION DOCUMENTS	08/17/2026
MARK	DESCRIPTION	DATE

PROJECT NO:20263400

DRAWN BY:ERD

CHECKED BY:PB

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Signature:

Date: 08/17/2026 REG. NO.: 2002

DRAWING TITLE

FINISH PLAN

ROOM FINISH SCHEDULE										
ROOM		FLOOR	BASE	WALLS				CEILING	NOTES	
NO.	NAME			NORTH	EAST	SOUTH	WEST	FINISH		
200	PRESS BOX	CPT-1,2	RB-1	P-1	P-1	P-1	P-1	WD-1		
201	ELEC / DATA	RTF-1	RB-1	P-1	P-1	P-1	P-1	WD-1		
202	STORAGE	CPT-1,2	RB-1	P-1	P-1	P-1	P-1	WD-1, P-2		

FINISH LEGEND	
PNT-X	WALL FINISH SYMBOL
CTF-X	FLOOR FINISH SYMBOL
EXG	EXISTING FLOOR FINISH TO REMAIN

- GENERAL FINISH NOTES
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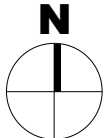
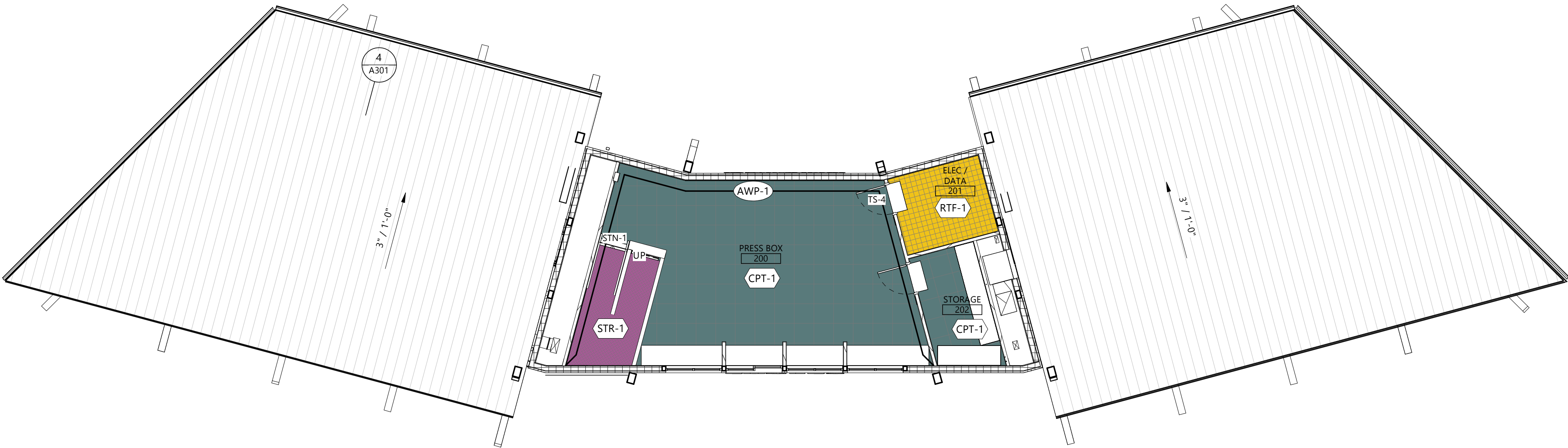
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KEYNOTE LEGEND:

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EAPC

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CONSULTANTS

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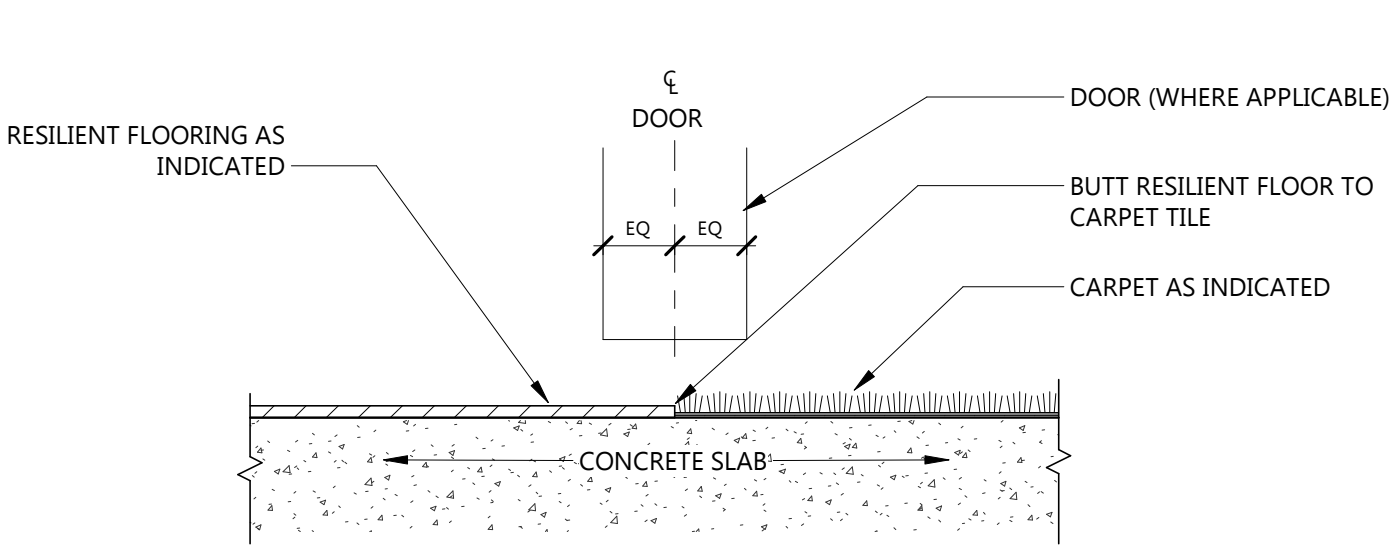
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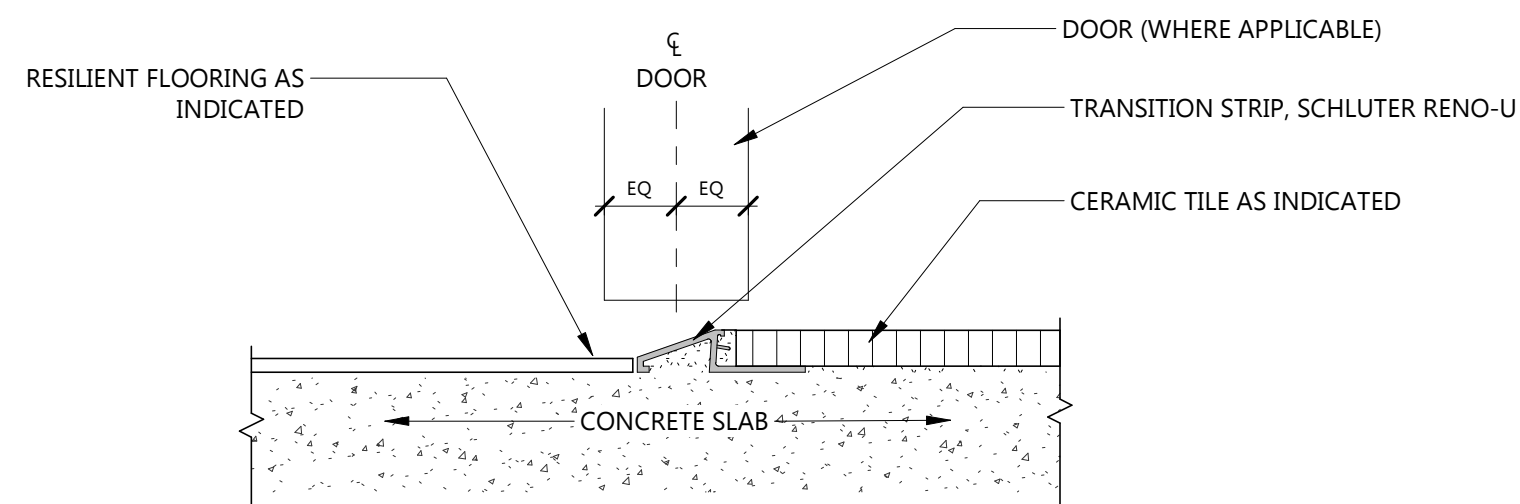
DRAWING TITLE

FINISH PLAN

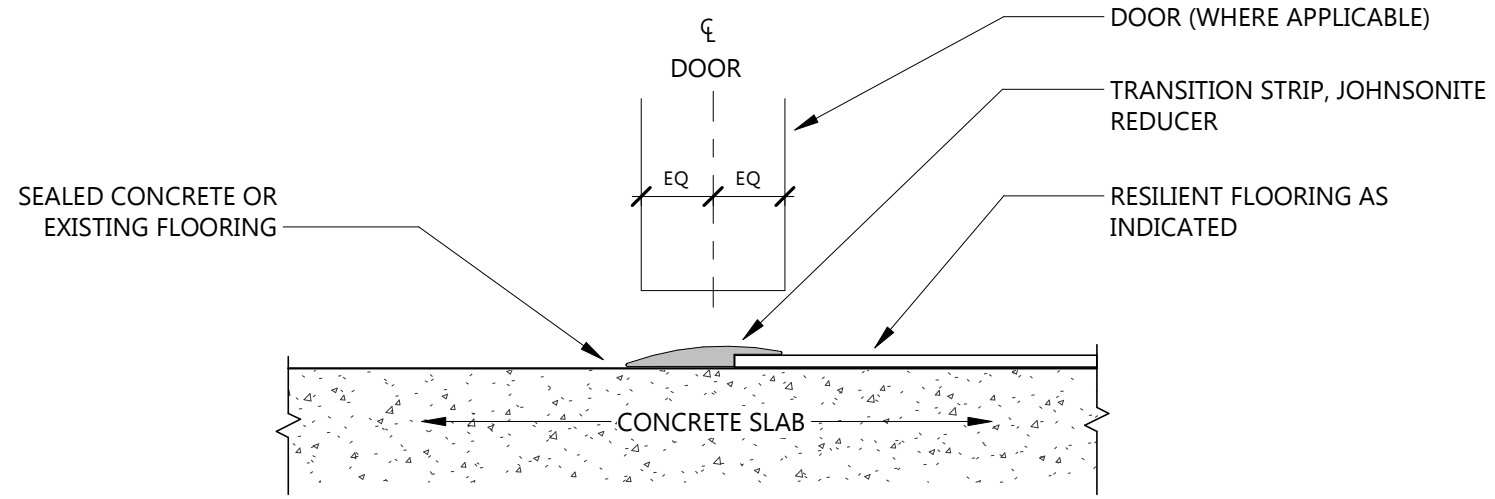
A903



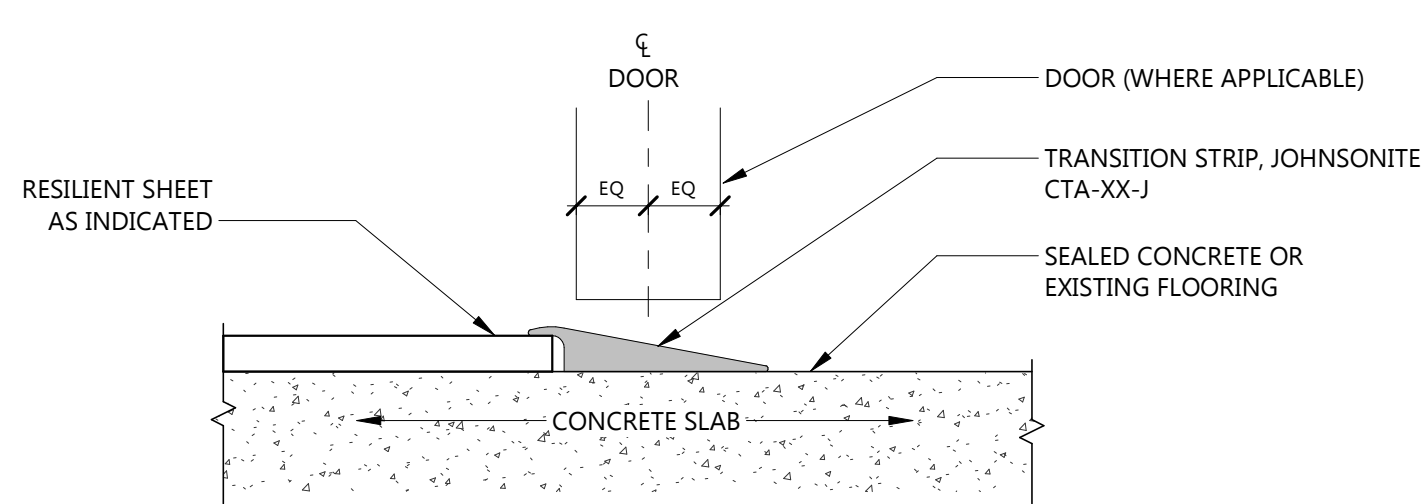
6 TS-4 RESILIENT FLOORING TO CARPET
A921 NOT TO SCALE



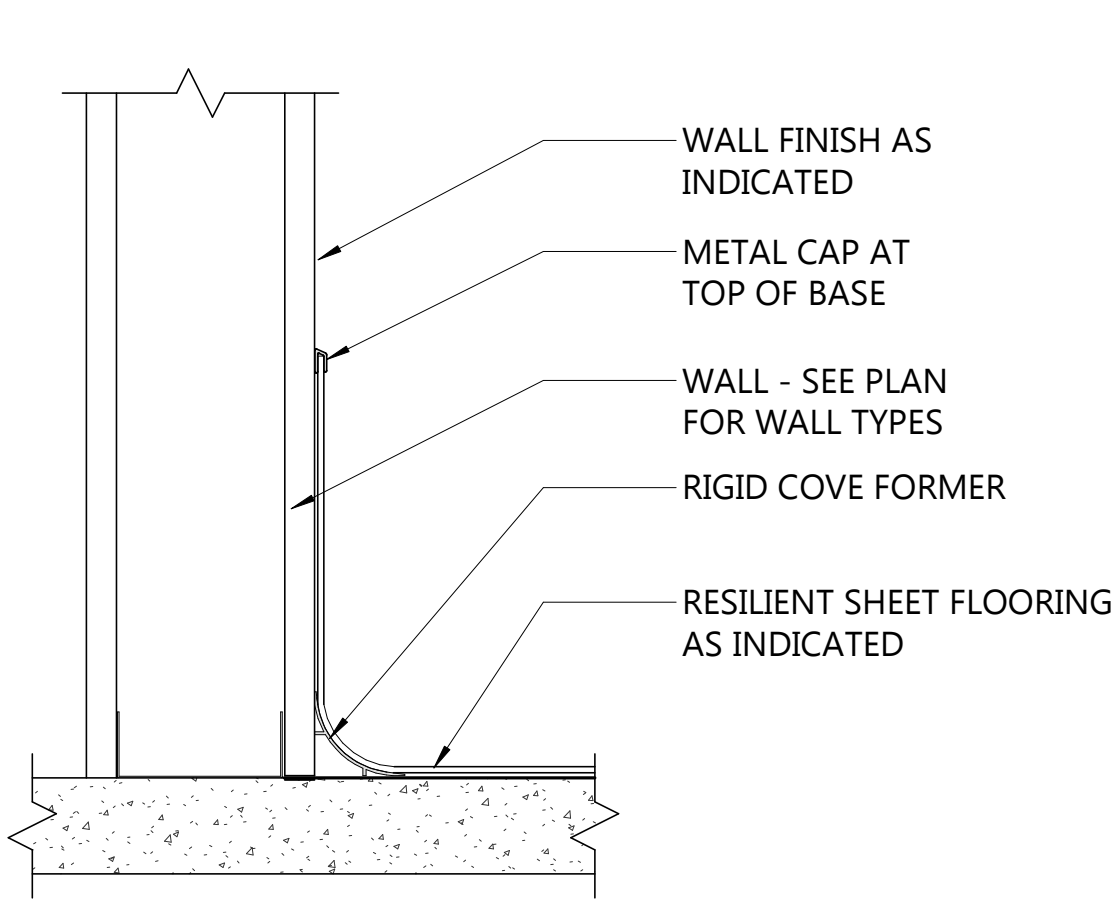
5 TS-2 RESILIENT FLOORING TO CERAMIC TILE
A921 NOT TO SCALE



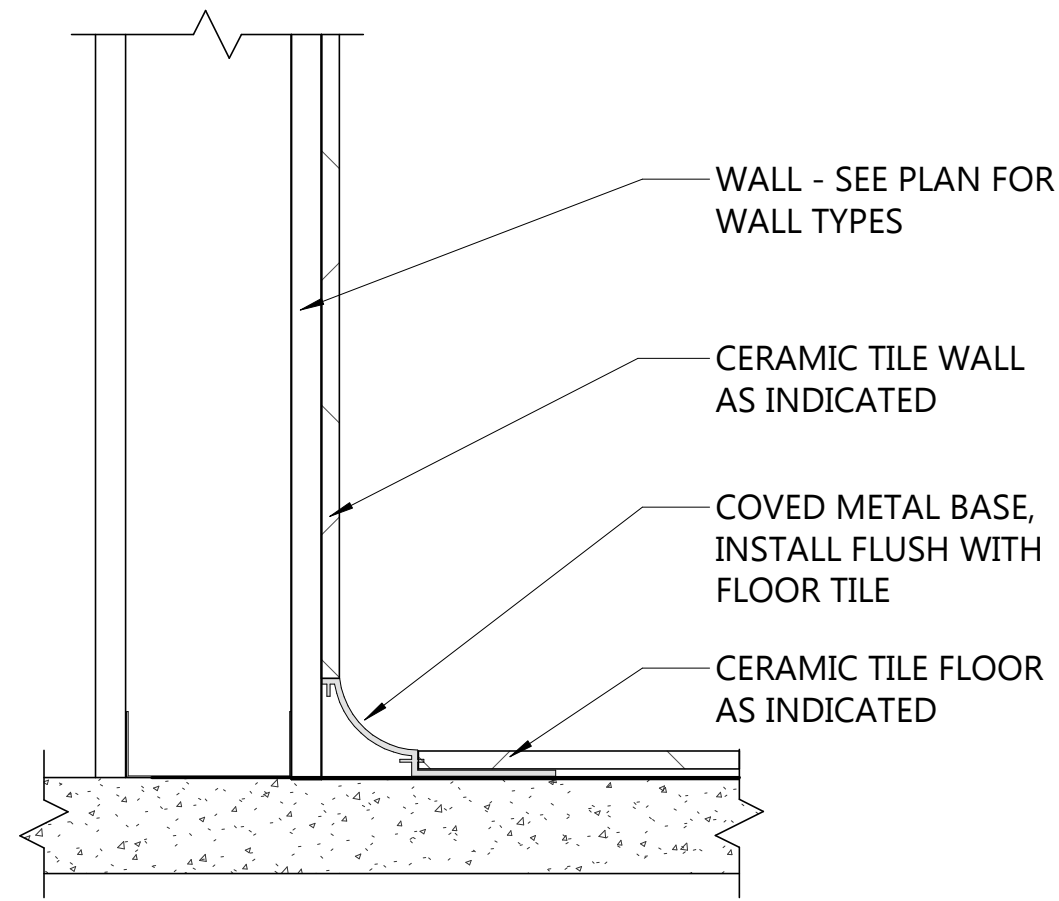
4 TS-3 SEALED CONCRETE TO RESILIENT FLOORING
A921 NOT TO SCALE



3 TS-1 RESILIENT SHEET TO SEALED CONCRETE
A921 NOT TO SCALE



2 INTEGRAL COVE BASE
A921 NOT TO SCALE



1 CERAMIC WALL TILE TO CERAMIC FLOOR TILE
A921 NOT TO SCALE

FINISH LEGEND						
SPEC. DIV.	FINISH CODE	MANUFACTURER	PRODUCT DESCRIPTION	COLOR/ SKU	INSTALLATION	NOTES
CONCRETE FLOOR FINISHES						
03 3511	CFS-1	SHERWIN WILLIAMS,	H&C CLARISHIELED WATER-BASED WET-LOOK CONCRETE SEALTER			
ARCHITECTURAL WOOD CASEWORK						
06 4100	PL-1	WILSONART	PREMIUM LAMINATE	ASIAN SUN 7951K-18		
06 4100	PL-2	WILSONART	VIRTUAL DESIGN LIBRARY	IOLITE Y0737-60		
FIBERGLASS REINFORCED PANELING						
06 8316	FRP-1	MARLITE	STANDARD FRP, PEBBLE FINISH	LIGHT GRAY P-151		
06 8316	FRP-2	MARLITE	SYMMETRIX FRP, SUBWAY 3"X6" HORIZONTAL CONFIGURATION	LOGGIA		
TILING						
09 3000	T-1	CERAMIC TILEWORKS MN	RETINA, 12"X24"	BORGOGNA	STRAIGHT STACK	GROUT: LATICRETE, SPECTRALCOK PRO PREMIUM GROUT
09 3000	T-2	CERAMIC TILEWORKS MN	RETINA, 12"X24"	NEVE	STRAIGHT STACK	GROUT: LATICRETE, SPECTRALCOK PRO PREMIUM GROUT
09 3000	T-3	CERAMIC TILEWORKS MN	RETINA, 1"X6" MOSAIC SHEET 12"X12"	BORGOGNA	STRAIGHT STACK	GROUT: LATICRETE, SPECTRALCOK PRO PREMIUM GROUT
09 3000	TS-2	SCHLUTER	RSF-2 TO T-1			
LINEAR METAL CEILINGS						
09 5423	WD-1	ARMSTRONG	LONGBOARD INSPIRING ARCHITECTURE, ENDURA LINEAR CEILINGS			
RESILIENT BASE AND ACCESSORIES						
09 6513	RB-1	JOHNSONITE	BASEWORKS THERMOSET RUBBER (TYPE TS) 4" COVE			
09 6513	STN-1	JOHNSONITE	STAIR NOSING, RCN-XX-A			
09 6513	STR-1	NORA BY INTERFACE	NORAMENT 926 GRANO STAIRTREAD	BLACK PEPPER 5304		
09 6513	TS-1	JOHNSONITE	CFS TO RSF-2			
09 6513	TS-3	JOHNSONITE	RTF TO CFS			
09 6513	TS-4		RTF TO CPT			
RESILIENT SHEET FLOOR						
09 6516	RSF-1	TARKETT	ARIA, HOMOGENEOUS SHEET	DARK CLAY GRAY CB 629		
RESILIENT TILE FLOOR						
09 6519	RTF-1	J&J FLOORING GROUP	PASSPORT V5049, 18"X36"	CONVENIENT 1148	ASHLAR	
RESILIENT ATHLETIC FLOORING						
09 6566	RSF-2	TARKETT	TRIUMPH MINERAL SPORTS FLOORING, SMHMR-XX, 42399200460	JAY WQ4		
TILE CARPETING						
09 6813	CPT-1	J&J FLOORING GROUP	DOWNTOWN 1850, 24"X24"	MARKET 3157	ASHLAR	75% MARKET, 25% SUNSET
09 6813	CPT-2	J&J FLOORING GROUP	DOWNTOWN 1850, 24"X24"	SUNSET 3158	ASHLAR	75% MARKET, 25% SUNSET
SOUND-ABSORBING WALL AND CEILING UNITS						
09 8430	AWP-1	ZINTRA	BOX TILE EMERALD	TBD		
PAINTING AND COATING						
09 9000	EPX-1					
09 9000	P-1	GLIDDEN	EGG SHELL	DESERT SAND	FIELD PAINT	TO MATCH OWNERS BUILDING STANDARD
09 9000	P-2	SHERWIN WILLIAMS	FLAT	HIGH REFLECTIVE WHITE SW 7757	CEILING PAINT	
PLASTIC TOILET COMPARTMENTS						
10 2113.19	PTC-1	SCRANTON PRODUCTS	HINY HIDERS PARTITIONS	STAINLESS GRIP EX		
WALL PROTECTION - CORNER GUARDS						
10 2600	CG-1	INPRO	SURFACE MOUNT STAINLESS STEEL CORNER GUARD 2" WING	STAINLESS STEEL		
METAL LOCKERS						
10 5113	BEN-1	SCRANTON PRODUCTS	TUFTEC LOCKER BENCHES			
10 5113	ML-1	REPUBLIC STORAGE PRODCUTS	METAL LOCKERS	WOOD VIOLET 54		
10 5113	ML-2	REPUBLIC STORAGE PRODCUTS	METAL LOCKERS	SUNSHINE 97		
HORIZONTAL LOUVER BLINDS						
12 2113	WDT-1	HUNTER DOUGLAS ARCHITECTURAL	RIVIERA COMMERCIAL HORIZONTAL BLINDS			
SOLID SURFACING COUNTERTOPS						
12 3661.16	SSF-1	DEKTON	ALBARIUM 22, KRAFTIZEN COLLECTION	QUICK CUT 2448/11102023		
QUARTZ COUNTERTOP						
12 3661.19	QZ-1	CAMBRIA USA	LUXURY SERIES	ANNICCA MATTE		

CONSULTANTS

CLIENT
NEW TOWN SCHOOL DISTRICT

PROJECT DESCRIPTION
NEW TOWN GRANDSTANDS

CITY NEW TOWN
STATE ND

ISSUE DATES

CD	CONSTRUCTION DOCUMENTS	08/17/2026
MARK	DESCRIPTION	DATE

PROJECT NO: 20263400
DRAWN BY: ERD
CHECKED BY: PB

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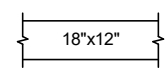
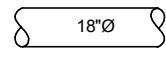
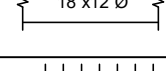
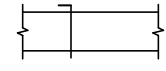
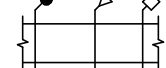
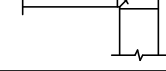
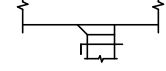
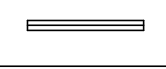
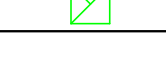
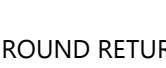
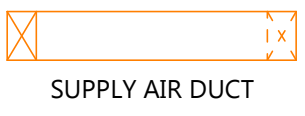
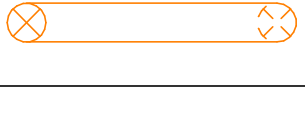
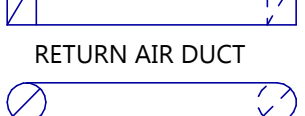
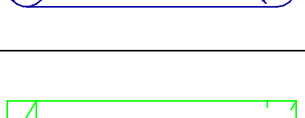
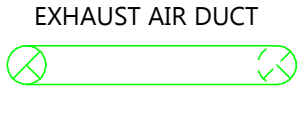
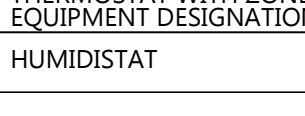
STAMP
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Architect under the laws of the State of North Dakota.
Signature: 
Date: 08/17/2026 REG. NO. : 2002

DRAWING TITLE
INTERIOR FINISH DETAILS & MATERIAL IDENTIFICATION CODES

A921

ABBREVIATIONS		
A		AIR CONDITIONING UNIT
A/C		AIR HANDLING UNIT
AHU		ABOVE FINISHED FLOOR
AFF		AIR COOLED CONDENSING UNIT
ACCU		
B		
BV		BALANCING VALVE
BTU		BRITISH THERMAL UNIT
BOP		BOTTOM OF PIPE
BHP		BRAKE HORSEPOWER
BDD		BACK DRAFT DAMPER
C		
CFM		CUBIC FEET PER MINUTE
CD		CEILING DIFFUSER OR CONDENSATE DRAIN
CC		COOLING COIL
CW		COLD WATER
CT		COOLING TOWER
CP		CONDENSATE PUMP OR CIRCULATING PUMP
CONV		CONVECTOR
CONT		CONTINUATION
CO		CLEANOUT
CLG		COOLING
CHWS		CHILLED WATER SUPPLY
CHWR		CHILLED WATER RETURN
CUH		CABINET HEATER
CO2		CARBON DIOXIDE
D		
DX		DIRECT EXPANSION
DWG		DRAWING
DR		DRAIN
DN		DOWN
DIA	Ø	DIAMETER
DB		DRY BULB
DI		DEIONIZED WATER
DS		DOWNSPOUT NOZZLE
DA		DENTAL AIR
DVAC		DENTAL VACUUM
DVEX		DENTAL VACUUM EXHAUST
E		
EA		EXHAUST AIR
EX		EXISTING
EWI		ENTERING WATER TEMPERATURE
EWB		ENTERING WET BULB
EUH		ELECTRIC UNIT HEATER
ET		EXPANSION TANK
EHC		ELECTRIC HEATING COIL
EFF		EFFICIENCY
EF		EXHAUST FAN
EWI		ELECTRIC WATER COOLER
EDB		ENTERING DRY BULB
ECH		ELECTRIC CABINET HEATER
EAT		ENTERING AIR TEMPERATURE
EEW		EMERGENCY EYE WASH
ESH		EMERGENCY SHOWER
ESEW		EMERGENCY SHOWER/EYE WASH
F		
FDC		FIRE DEPARTMENT CONNECTION
FD		FLOOR DRAIN OR FIRE DAMPER
FC		FLEXIBLE CONNECTION
*F		DEGREES FAHRENHEIT
FU		FIXTURE UNIT
FTR		FIN TUBE RADIATION
FT		FEET
F/S		COMBINATION FIRE AND SMOKE DAMPER
FS		FLOW SWITCH OR FLOOR SINK
FP		FUEL OIL PUMP OR FIRE PUMP
FOV		FUEL OIL VENT PIPING
FOS		FUEL OIL SUPPLY PIPING
FOR		FUEL OIL RETURN PIPING
FLR		FLOOR
FLA		FULL LOAD AMPERES
G		
GAL		GALLONS
G		NATURAL GAS OR PROPANE GAS
GV		GATE VALVE
GPM		GALLONS PER MINUTE
H		
HB		HOSE BIBB
HW		HOT WATER
HWR		HOT WATER RETURN
HWS		HOT WATER SUPPLY
HC		HEATING COIL
HP		HORSEPOWER
HX		HEAT EXCHANGER
I		
IN		INCHES
ID		INSIDE DIMENSION
IA		INSTRUMENT AIR

ABBREVIATIONS		
J		JOCKEY PUMP
JP		
LWT		LEAVING WATER TEMPERATURE
L		LOUVER
LBS		POUNDS
LAT		LEAVING AIR TEMPERATURE
L		LAVATORY
LA		LAB AIR
M		
MAU		MAKE UP AIR UNIT
MS		MOP SINK
MOD		MOTOR OPERATED DAMPER
MIN		MINIMUM
MCC		MOTOR CONTROL CENTER
MBH		THOUSAND BTU PER HOUR
MAT		MIXED AIR TEMPERATURE
MAX		MAXIMUM
MA		MEDICAL AIR
MA IN		MEDICAL AIR INTAKE
MB		MOP BASIN
MCA		MINIMUM CIRCUIT AMPACITY
MOP		MAXIMUM OVERCURRENT PROTECTION
N		
NTS		NOT TO SCALE
NO		NORMALLY OPEN
NIC		NOT IN CONTRACT
NC		NORMALLY CLOSED
NZO		NITROUS OXIDE
N		NITROGEN
O		
OS&Y		OUTSIDE SCREW & YOKE GATE VALVE
ORL		OVERFLOW RAIN LEADER PIPING
OD		OUTSIDE DIMENSION
OBD		OPPOSED BLADE DAMPER
OA		OUTSIDE AIR
OX		OXYGEN
ORD		OVERFLOW ROOF DRAIN
P		
PSIG		POUNDS PER SQUARE INCH (GAUGE)
PSI		POUNDS PER SQUARE INCH
PRV		PRESSURE REDUCING VALVE OR POWER ROOF VENT
PHC		PREHEAT COIL
PG		PRESSURE GAUGE
PD		PRESSURE DROP OR PUMP DISCHARGE
P		PUMP
POT		POTABLE WATER
R		
RHW		RECIRCULATING HOT WATER
RTU		ROOF TOP UNIT
RPM		REVOLUTIONS PER MINUTE
RAF		RETURN AIR FAN OR RELIEF AIR FAN
RD		ROOF DRAIN
RA		RETURN AIR
RO		REVERSE OSMOSIS WATER
RL		RAIN LEADER
S		
SPKR		SPRINKLER
SP		STATIC PRESSURE OR SUMP PUMP
SF		SUPPLY FAN OR SQUARE FEET
SENS		SENSIBLE
SEP		SEWAGE EJECTOR PUMP
SD		SMOKE DAMPER OR SMOKE DETECTOR
SA		SUPPLY AIR
S		SINK
SS		SERVICE SINK
T		
TYP		TYPICAL
TOP		TOP OF PIPE
TC		TERMINAL COIL
U		
URINAL		URINAL
UH		UNIT HEATER
V		
VTR		VENT THRU ROOF
VD		VOLUME DAMPER
VAV		VARIABLE AIR VOLUME TERMINAL UNIT
VFD		VARIABLE FREQUENCY DRIVE
V		VENT
VAC		MEDICAL VACUUM
V EX		VACUUM EXHAUST
W		
WHY		WALL HYDRANT
WC		WATER CLOSET
WB		WET BULB
W		SANITARY WASTE
WAGO		WASTE ANESTHESIA GAS DISPOSAL
WH		WATER HEATER

LEGEND		
	DUCT SIZE (CLEAR INSIDE DIMENSION) FIRST FIGURE INDICATES PLAN SIZE	
	ROUND DUCT DIAMETER SIZE	
	OVAl DUCT SIZE (CLEAR INSIDE DIMENSION) FIRST FIGURE INDICATES PLAN SIZE	
	FLEXIBLE DUCT	
	BALANCING DAMPER (VD) VOLUME DAMPER IN DUCT (BDD) BACK DRAFT DAMPER	
	(F/S) COMBINATION FIRE SMOKE DAMPER (RD) RADIATION DAMPER, (FD) FIRE DAMPER (SD) SMOKE DAMPER	
	ELBOW WITH TURNING VANES	
	BRANCH TAKEOFF WITH VOLUME DAMPER	
	RADIUS ELBOW	
	SLOT DIFFUSER	
	TERMINAL UNIT WITH HEATING COIL	
	SUPPLY CEILING DIFFUSER	
	RETURN REGISTER OR GRILLE	
	EXHAUST REGISTER OR GRILLE	
	RECTANGULAR SUPPLY DUCT UP	RECTANGULAR SUPPLY DUCT DOWN
	ROUND SUPPLY DUCT UP	ROUND SUPPLY DUCT DOWN
	RECTANGULAR RETURN DUCT UP	RECTANGULAR RETURN DUCT DOWN
	ROUND RETURN DUCT UP	ROUND RETURN DUCT DOWN
	RECTANGULAR EXHAUST DUCT UP	RECTANGULAR EXHAUST DUCT DOWN
	ROUND EXHAUST DUCT UP	ROUND EXHAUST DUCT DOWN
	RECTANGULAR OUTSIDE AIR DUCT UP	RECTANGULAR OUTSIDE AIR DUCT DOWN
	ROUND OUTSIDE AIR DUCT UP	ROUND OUTSIDE AIR DUCT DOWN
	① ₂	THERMOSTAT WITH ZONE OR EQUIPMENT DESIGNATION
	(H)	HUMIDISTAT

PLUMBING & MECHANICAL SHEET INDEX

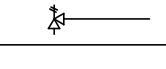
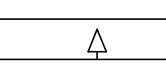
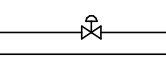
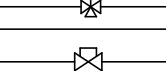
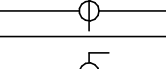
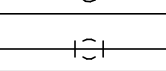
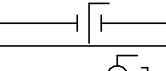
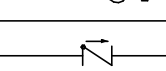
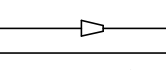
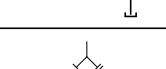
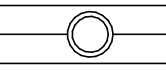
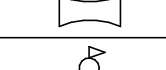
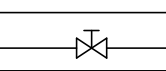
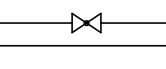
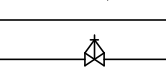
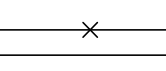
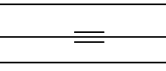
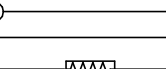
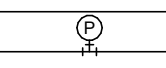
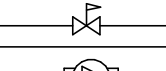
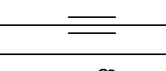
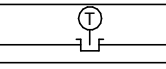
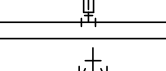
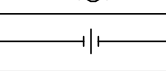
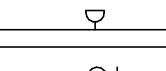
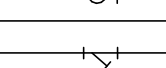
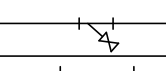
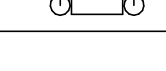
PM01 MECHANICAL SYMBOLS & LEGEND SHEET

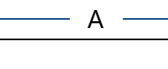
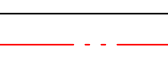
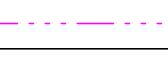
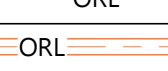
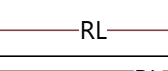
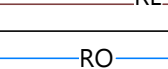
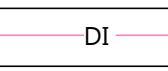
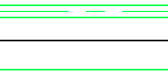
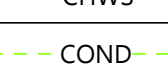
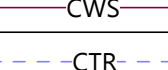
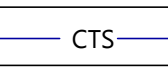
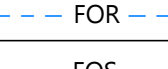
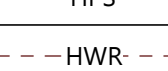
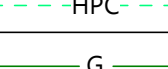
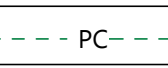
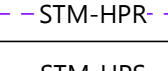
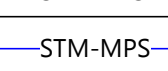
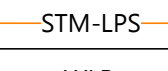
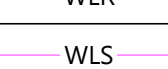
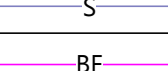
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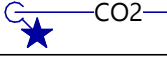
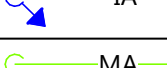
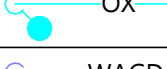
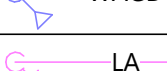
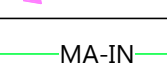
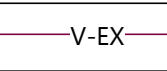
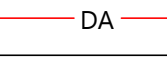
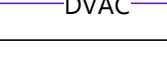
P200 UNDERGROUND PLUMBING PLAN
P201 LOWER LEVEL PLUMBING PLANS
P202 MAIN FLOOR PLUMBING PLANS
P203 PRESS BOX & ROOF PLUMBING PLANS
P501 WASTE & VENT RISER DIAGRAM
P502 DOMESTIC WATER RISER DIAGRAM
P601 PLUMBING DETAILS
P801 PLUMBING SCHEDULES

MECHANICAL

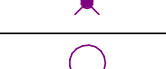
M301 LOWER LEVEL MECHANICAL PLAN
M302 MAIN LEVEL MECHANICAL PLAN
M303 PRESS BOX MECHANICAL PLAN
M801 MECHANICAL SCHEDULES

LEGEND	
	RELIEF VALVE
	ARROW INDICATES DIRECTION OF FLOW
	AIR VENT
	AUTOMATIC 2-WAY CONTROL VALVE
	AUTOMATIC 3-WAY CONTROL VALVE
	AUTOMATIC FLOW CONTROL VALVE
	BACK FLOW PREVENTER-RPZ
	BALANCING VALVE
	BALL VALVE
	BOTTOM PIPE CONNECTION
	BUTTERFLY VALVE
	CAPPED PIPE WITH SHUT-OFF VALVE
	CHECK VALVE, FLOW DIRECTION
	CONCENTRIC REDUCER
	DIRT POCKET
	EXTERIOR WALL HYDRANT, FROST FREE
	FLOOR CLEANOUT/GRADE CLEANOUT
	FLOW MEASURING STATION
	GAS PRESSURE REGULATOR
	GATE VALVE
	GLOBE VALVE
	HOSE BIBB
	OS&Y (OUTSIDE SCREW & YOKE) VALVE
	PIPE ANCHOR
	PIPE DOWN
	PIPE EXPANSION JOINT
	PIPE GUIDE
	PIPE UP
	PIPING FLEXIBLE CONNECTION
	PRESSURE GAUGE AND GAUGE COCK
	PRESSURE REDUCING VALVE (PRV)
	PUMP
	SHOCK ABSORBER/WATER HAMMER ARRESTOR
	SLEEVE
	SOLENOID VALVE
	STEAM TRAP
	TEMPERATURE SENSOR
	THERMOMETER
	TOP PIPE CONNECTION
	UNION
	WALL CLEANOUT
	"Y" TYPE STRAINER
	"Y" TYPE STRAINER WITH HOSE END BLOW OFF VALVE
	ZONE VALVE

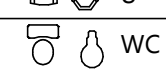
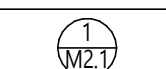
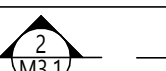
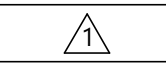
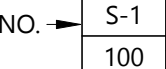
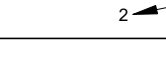
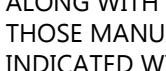
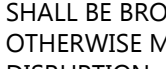
LEGEND	
	COMPRESSED AIR LINE
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER CIRCULATION
	OVERFLOW RAIN LEADER PIPING
	OVERFLOW RAIN LEADER PIPING (BELOW GRADE)
	RAIN LEADER PIPING
	RAIN LEADER PIPING (BELOW GRADE)
	REVERSE OSMOSIS WATER
	DEIONIZED WATER
	SANITARY WASTE, UNDERGROUND (AW - ACID WASTE UNDERGROUND)
	SANITARY WASTE, ABOVE GRADE (AW - ACID WASTE ABOVE GRADE)
	VENT PIPING (AV - ACID VENT)
	CHILLED WATER RETURN
	CHILLED WATER SUPPLY
	CONDENSATE DRAIN OR RETURN
	CONDENSER WATER RETURN
	CONDENSER WATER SUPPLY
	COOLING TOWER RETURN
	COOLING TOWER SUPPLY
	FUEL OIL RETURN PIPING
	FUEL OIL SUPPLY PIPING
	FUEL OIL VENT PIPING
	HEAT PUMP RETURN
	HEAT PUMP SUPPLY
	HEATING WATER RETURN
	HEATING WATER SUPPLY
	HIGH PRESSURE CONDENSATE RETURN
	NATURAL GAS PIPING
	PUMPED CONDENSATE RETURN
	STEAM HIGH PRESSURE RETURN
	STEAM HIGH PRESSURE SUPPLY
	MEDIUM PRESSURE STEAM
	STEAM LOW PRESSURE SUPPLY
	WELLFIELD LOOP RETURN
	WELLFIELD LOOP SUPPLY
	REFRIGERANT PIPING LIQUID
	REFRIGERANT PIPING SUCTION
	BOILER FEED

MEDICAL GAS	
	CO ₂ CARBON DIOXIDE
	IA INSTRUMENT AIR
	MA MEDICAL AIR
	VAC MEDICAL VACUUM
	N NITROGEN
	N ₂ O NITROUS OXIDE
	OX OXYGEN
	WAGO WASTE ANESTHESIA GAS DISPOSAL
	LA LAB AIR
	MA-IN MEDICAL AIR INTAKE
	V-EX VACUUM EXHAUST
	DA DENTAL AIR
	DVAC DENTAL VACUUM

FIRE PROTECTION

	SPRINKLER HEAD - DRY PENDANT SPRINKLER
	SPRINKLER HEAD - CONCEALED PENDANT SPRINKLER
	SPRINKLER HEAD - PENDANT WITH GUARD
	SPRINKLER HEAD - UPRIGHT
	SPRINKLER HEAD - PENDANT SPRINKLER

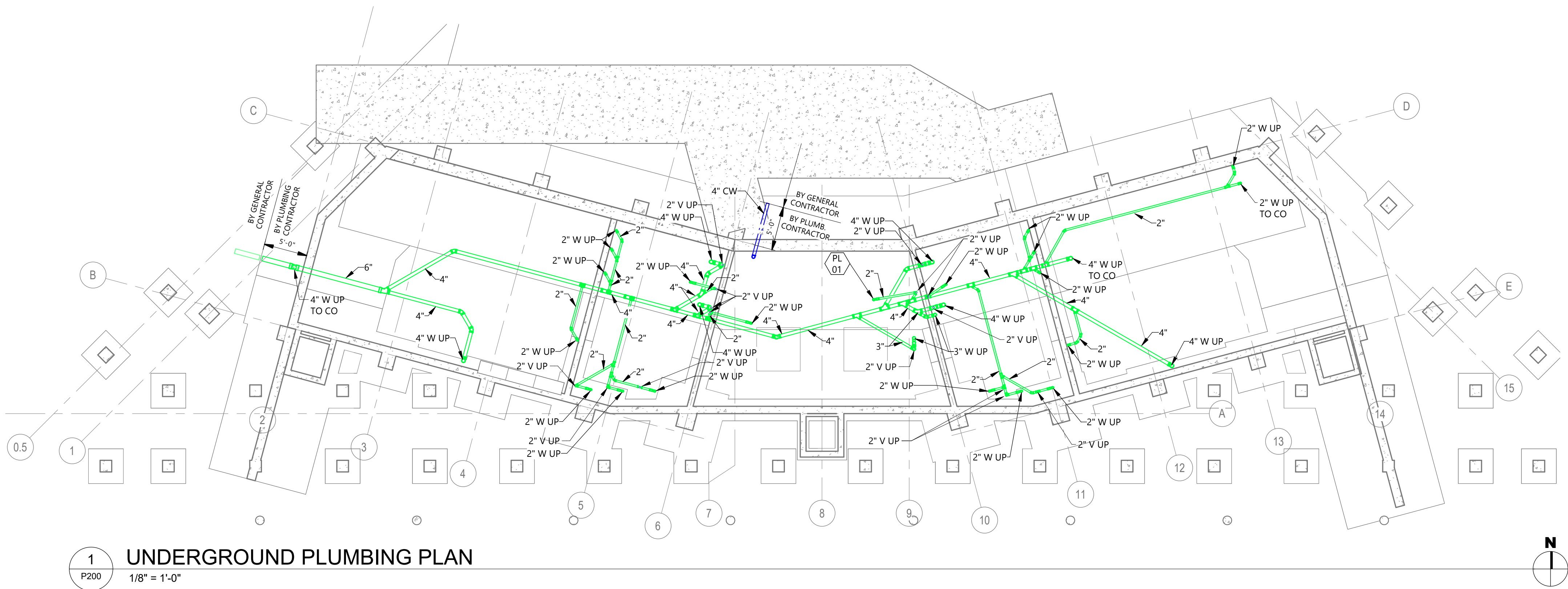
SYMBOLS

	EWI ELECTRIC WATER COOLER
	MB MOP BASIN
	L LAVATORY
	S SINK
	U URINAL
	WC WATER CLOSET
	FS FD FLOOR SINK FLOOR DRAIN
	HATCH INDICATES ITEM(S) TO BE REMOVED
	POINT OF CONNECTION (NEW TO EXISTING) POINT OF DEMOLITION
	① ₂ DETAIL DESIGNATION
	M31 SECTION DESIGNATION
	XX XX SHEET / CONSTRUCTION NOTE NUMBER
	REVISION NUMBER
	NO. S-1 100 2 S-SUPPLY, R-RETURN, E-EXHAUST, T-TRANSFER
	CFM QUANTITY IN ROOM OR HEIGHT AFFECT

GENERAL NOTES

- MECHANICAL CONTRACTOR SHALL REFER TO THE PROJECT SPECIFICATION MANUAL ALONG WITH

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Plot Date: 8/17/2026 11:05:21 AM



1
P200

UNDERGROUND PLUMBING PLAN

1/8" = 1'-0"

GENERAL NOTES

1. PROVIDE EXPANSION LOOPS ON DOMESTIC HOT WATER AT 100'-0" MAXIMUM.
2. ALL SHUTOFF VALVES SHALL BE INSTALLED IN ACCESSIBLE CEILINGS (LAY-IN TILE CEILINGS) TYP.
3. COORDINATE HOLDOUTS IN CONCRETE AS REQUIRED.
4. PROVIDE ACCESS PANELS TO ALL WATER HAMMER ARRESTORS ABOVE HARD CEILINGS.
5. PROVIDE WATER HAMMER ARRESTORS AT EACH TOILET GROUP AND AT ALL QUICK CLOSING FIXTURES.
6. PROVIDE BACKFLOW PREVENTION DEVICES PER DETAILS, AND CODE REQUIREMENTS.
7. PROVIDE TEST TEES/CLEANOUTS AT NEW TO EXISTING PIPING CONNECTS FOR INSTALLATION AND TESTING OF NEW PIPING AS REQUIRED.
8. CLEANOUTS ARE TO BE INSTALLED AT THE BASE OF ALL SANITARY SEWER AND STORM STACKS.

KEYNOTE LEGEND:

-  < < < INDICATES KEYNOTE ON PLAN
- PL 01 LOCATE FLOOR DRAIN FOR HEAT PUMP CONDENSATE.



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Interior Design Industrial
TELEPHONE 701.258.3116
116 W. Main Ave., Suite A, Bismarck ND 58501
www.eapc.net

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PROJECT DESCRIPTION
NEW TOWN
GRANDSTANDS

CITY NEW TOWN
STATE ND

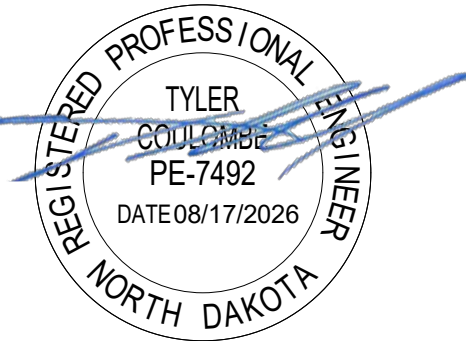
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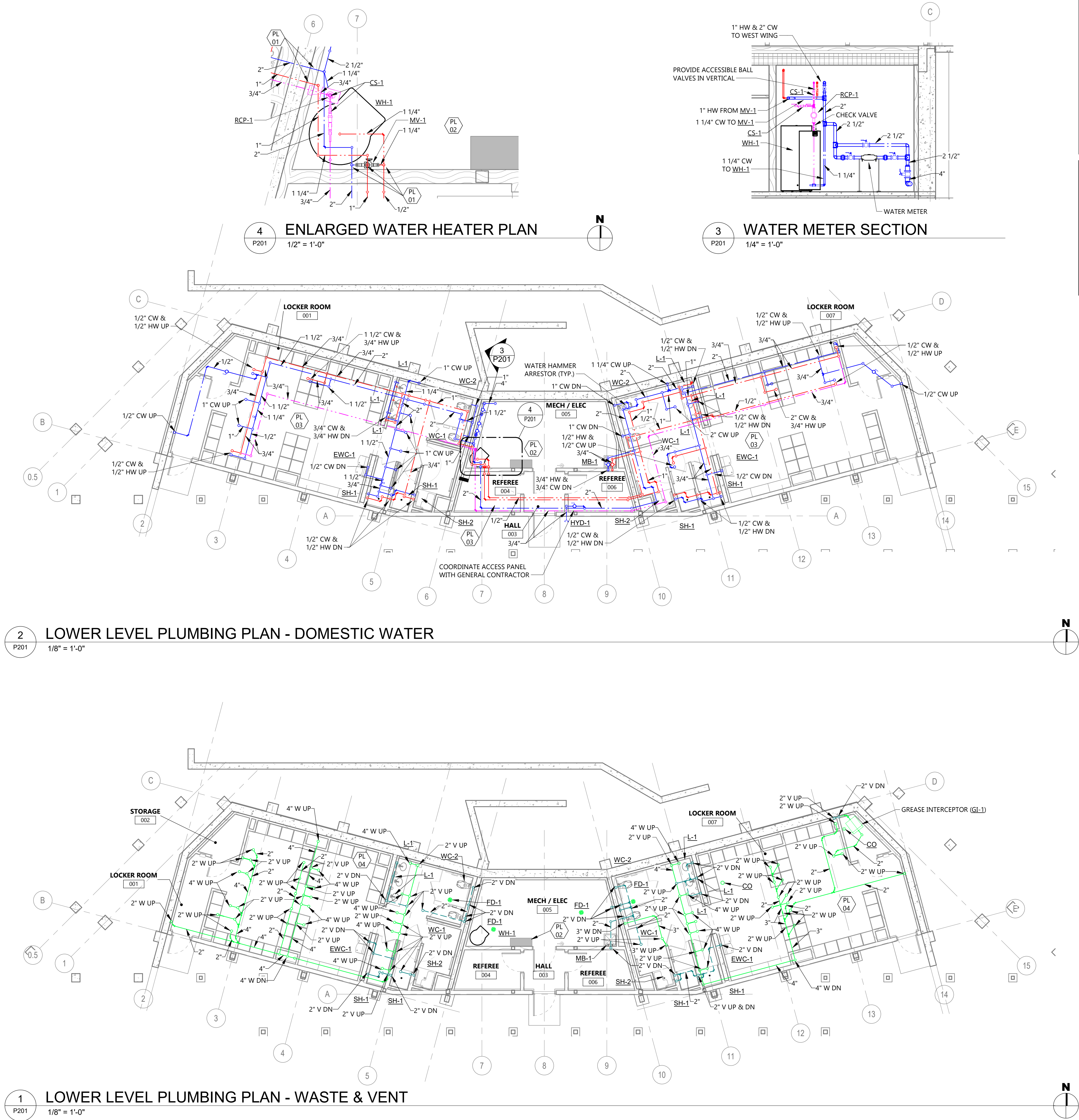
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DRAWING TITLE
UNDERGROUND
PLUMBING PLAN

P200

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- GENERAL NOTES**
1. PROVIDE EXPANSION LOOPS ON DOMESTIC HOT WATER AT 100'-0" MAXIMUM.
 2. ALL SHUTOFF VALVES SHALL BE INSTALLED IN ACCESSIBLE CEILINGS (LAY-IN TILE CEILINGS) TYP.
 3. COORDINATE HOLDOUTS IN CONCRETE AS REQUIRED.
 4. PROVIDE WATER HAMMER ARRESTORS AT EACH TOILET GROUP AND AT ALL QUICK CLOSING FIXTURES.
 5. PROVIDE BACKFLOW PREVENTION DEVICES PER DETAILS, AND CODE REQUIREMENTS.
 6. CLEANOUTS ARE TO BE INSTALLED AT THE BASE OF ALL SANITARY SEWER, STORM STACKS, AND AT THE END OF SANITARY HORIZONTAL BRANCH LINES.
 7. ALL PIPING SHALL BE INSTALLED IN TRUSS SPACE WHENEVER POSSIBLE.

- KEYNOTE LEGEND:**
- < < < INDICATES KEYNOTE ON PLAN
- PL 01 PROVIDE ACCESSIBLE SHUT-OFF VALVES ON ALL DOMESTIC WATER PIPING BEFORE IT LEAVES THE MECHANICAL ROOM.
- PL 02 NO PIPING ALLOWED ABOVE ELECTRICAL PANELS.
- PL 03 ALL DOMESTIC WATER PIPING SHALL BE INSTALLED IN JOIST SPACE WHEN POSSIBLE. COORDINATE LOCATION OF ALL PIPING WITH MECHANICAL CONTRACTOR.
- PL 04 ALL SANITARY WASTE AND VENT PIPING SHALL BE INSTALLED AS HIGH AS POSSIBLE. COORDINATE LOCATION OF ALL PIPING WITH MECHANICAL CONTRACTOR.

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STATE **ND**

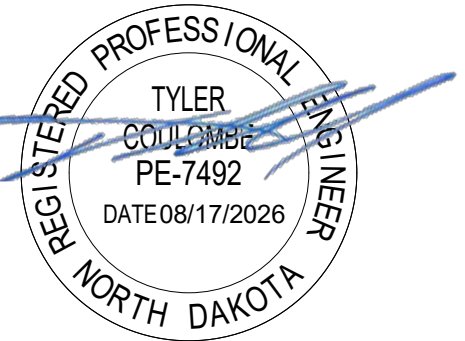
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DRAWING TITLE
LOWER LEVEL PLUMBING PLANS

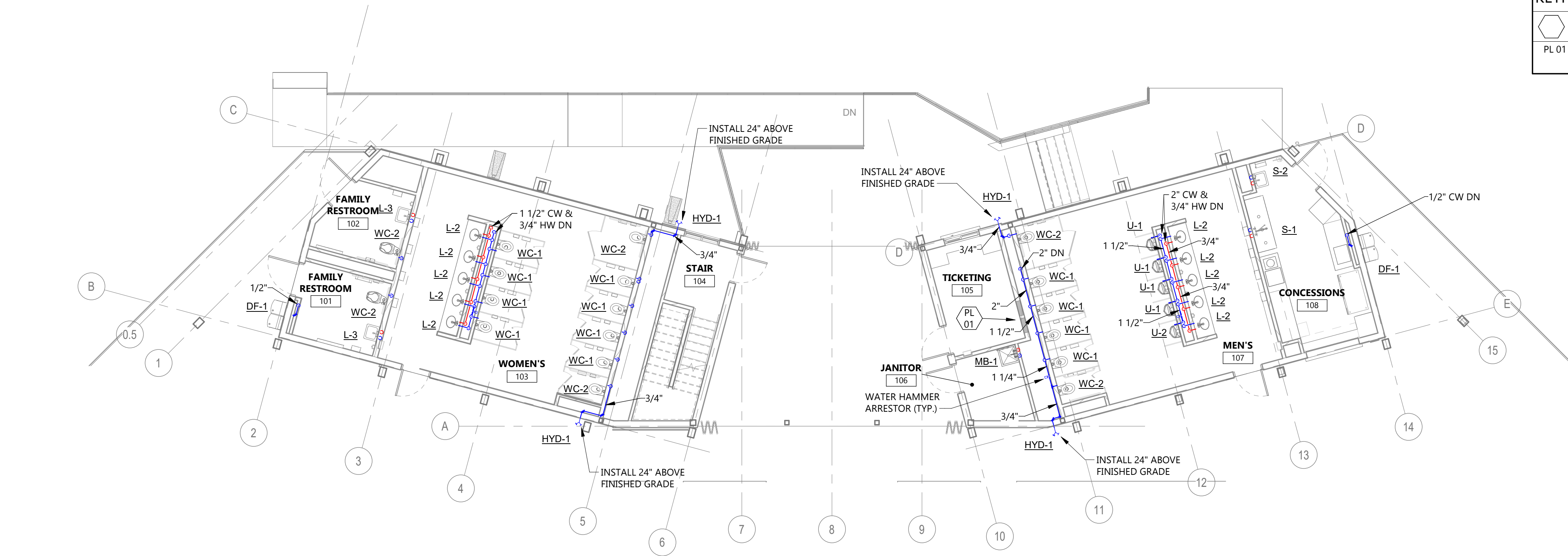
P201

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Plot Date: 8/17/2026 11:05:29 AM

2
P202

MAIN FLOOR PLUMBING PLAN - DOMESTIC WATER

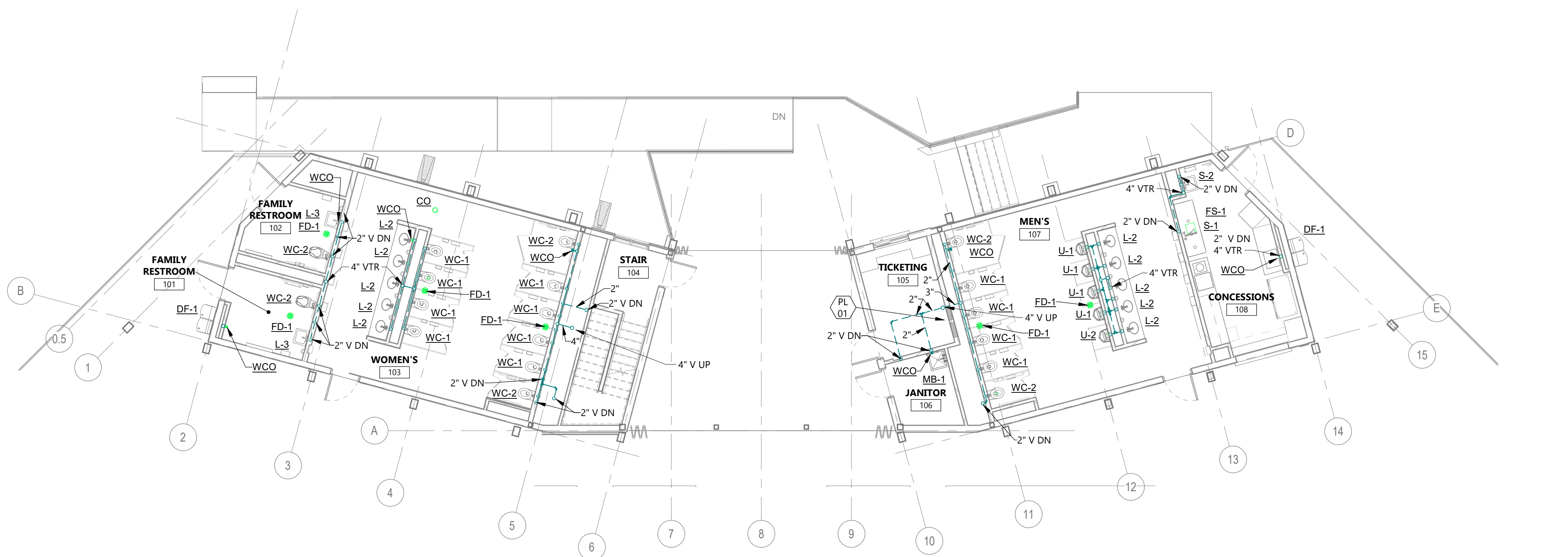
1/8" = 1'-0"



1
P202

MAIN FLOOR PLUMBING PLAN - WASTE & VENT

1/8" = 1'-0"



GENERAL NOTES

1. PROVIDE EXPANSION LOOPS ON DOMESTIC HOT WATER AT 100'-0" MAXIMUM.
2. ALL SHUTOFF VALVES SHALL BE INSTALLED IN ACCESSIBLE CEILINGS (LAY-IN TILE CEILINGS) TYP.
3. COORDINATE HOLDOUTS IN CONCRETE AS REQUIRED.
4. PROVIDE WATER HAMMER ARRESTORS AT EACH TOILET GROUP AND AT ALL QUICK CLOSING FIXTURES.
5. PROVIDE BACKFLOW PREVENTION DEVICES PER DETAILS, AND CODE REQUIREMENTS.
6. PROVIDE TEST TEES/CLEANOUTS AT NEW TO EXISTING PIPING CONNECTS FOR INSTALLATION AND TESTING OF NEW PIPING AS REQUIRED.
7. CLEANOUTS ARE TO BE INSTALLED AT THE BASE OF ALL SANITARY SEWER, STORM STACKS, AND AT THE END OF SANITARY HORIZONTAL BRANCH LINES.

KEYNOTE LEGEND:

- < < < INDICATES KEYNOTE ON PLAN
- PL 01 NO PIPING ALLOWED ABOVE ELECTRICAL PANELS.



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DRAWING TITLE
MAIN FLOOR PLUMBING PLANS

P202

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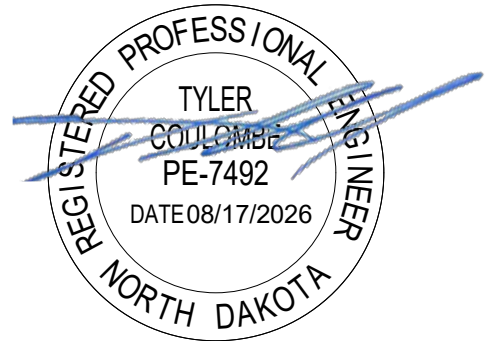
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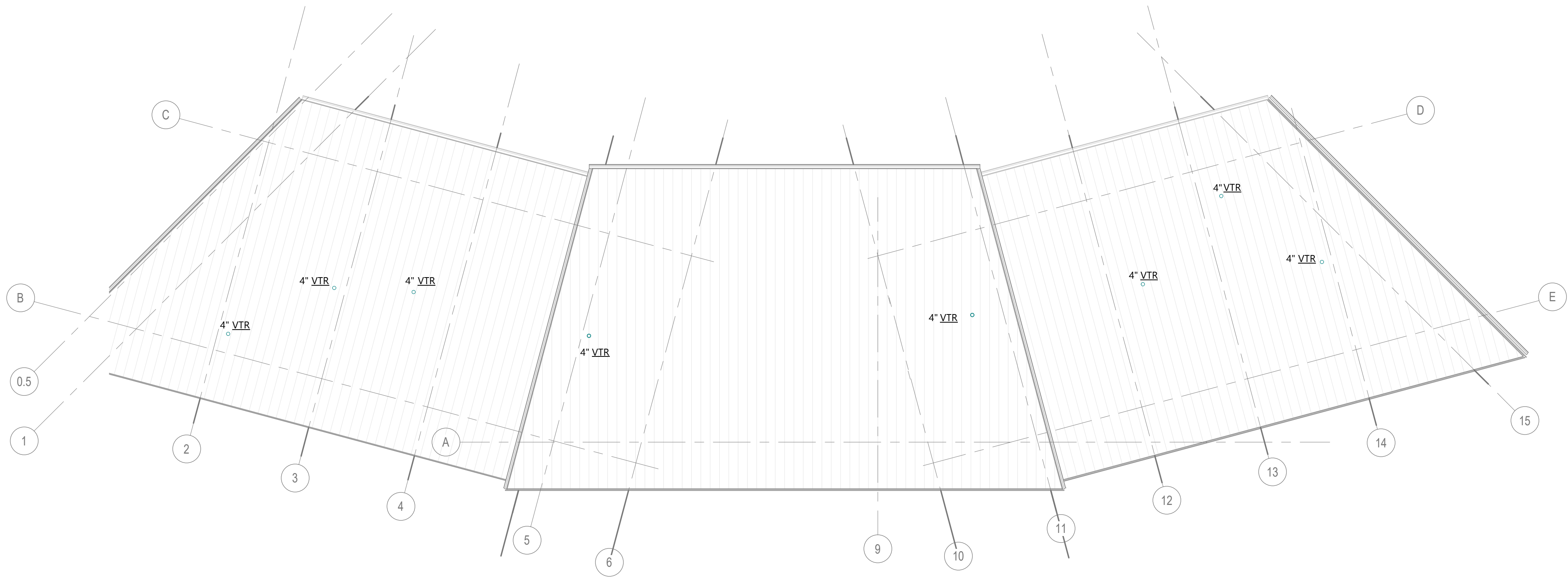
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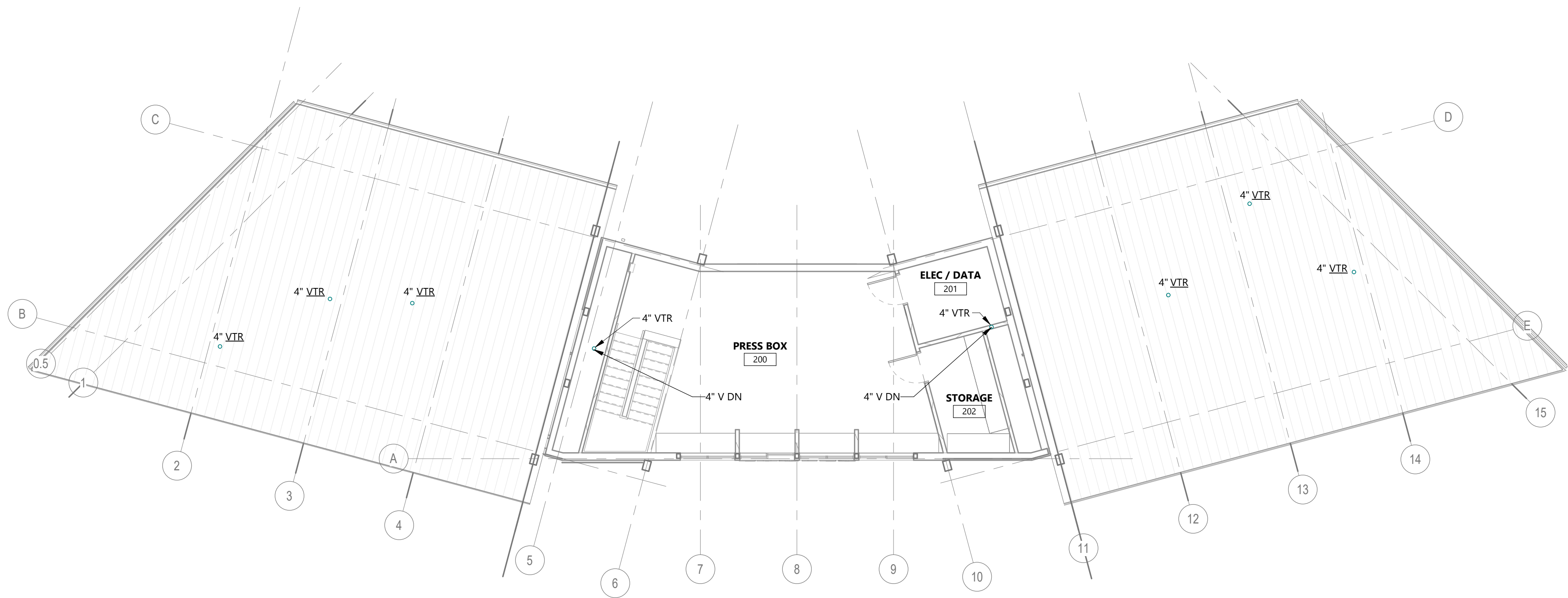


DRAWING TITLE
PRESS BOX & ROOF
PLUMBING PLANS

P203



2 ROOF PLUMBING PLAN
P203 1/8" = 1'-0"



1 PRESS BOX PLUMBING PLAN
P203 1/8" = 1'-0"



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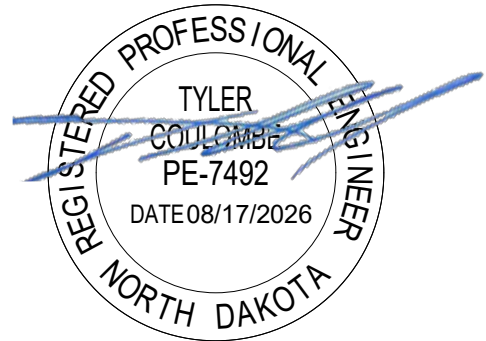
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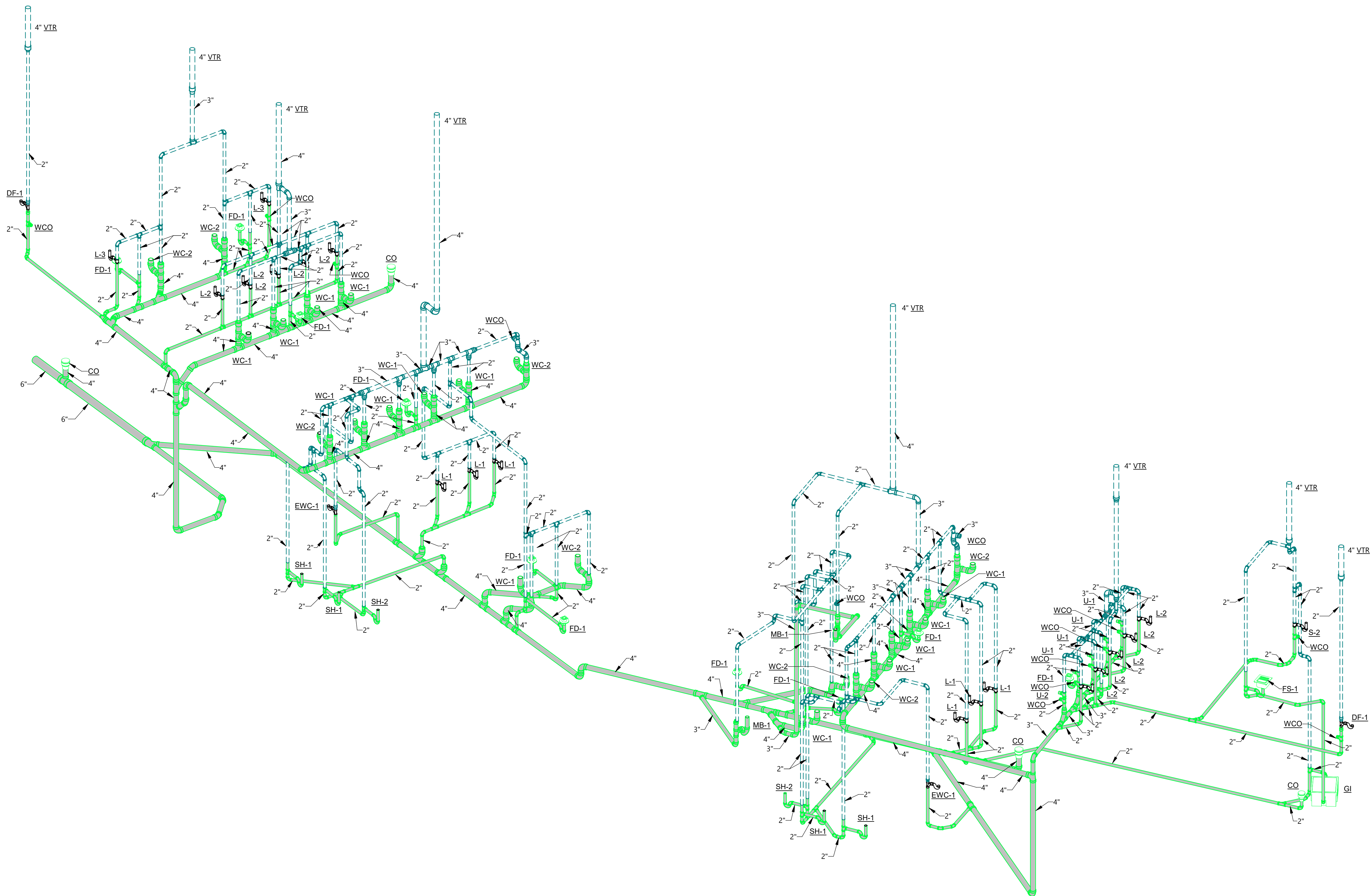
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WASTE & VENT RISER
DIAGRAM

P501



1

P501

WASTE & VENT RISER DIAGRAM

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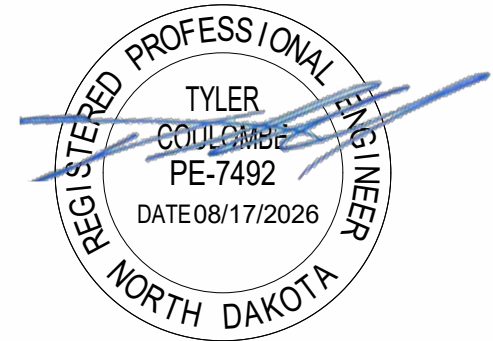
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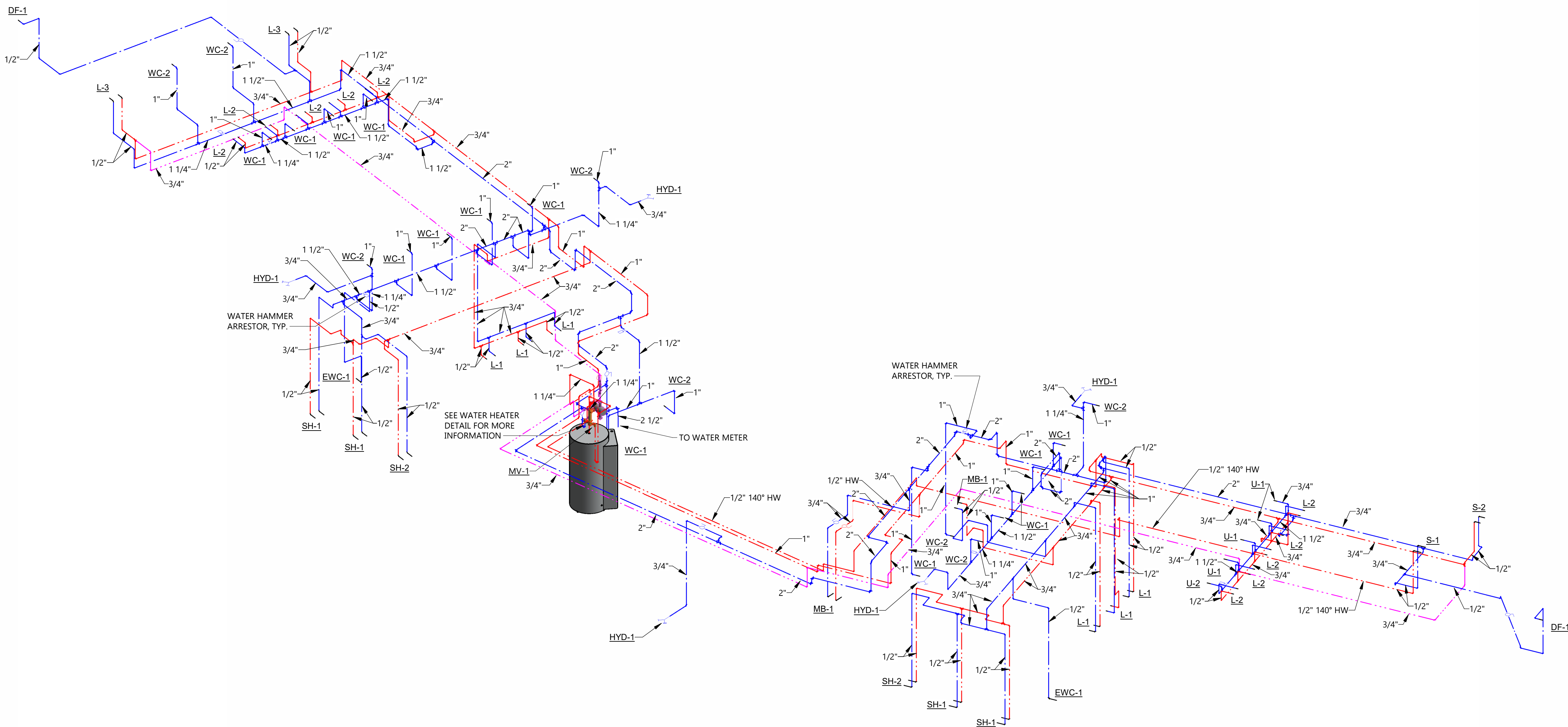
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DRAWING TITLE
DOMESTIC WATER
RISER DIAGRAM

P502



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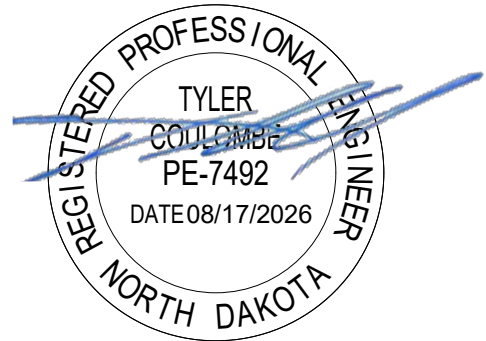
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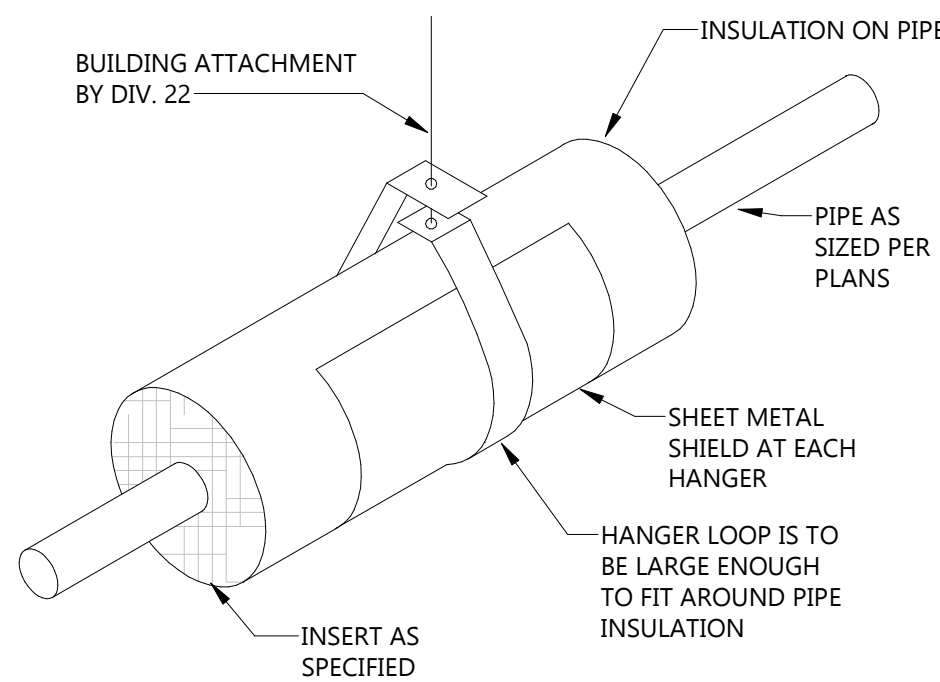
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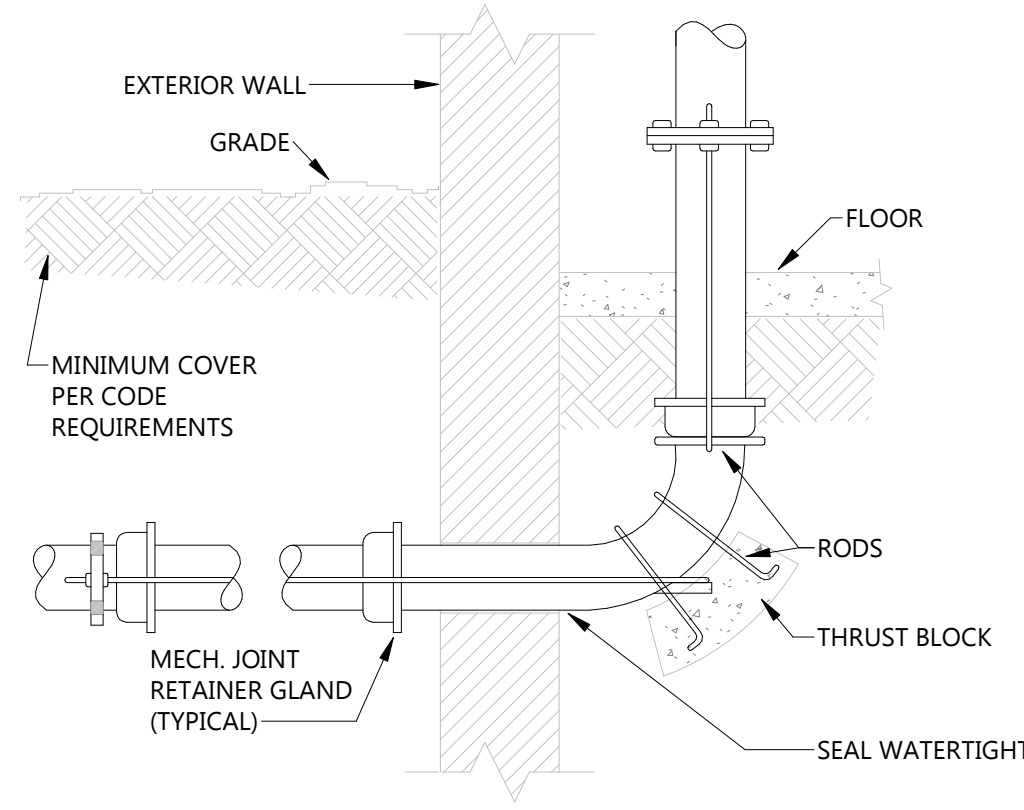


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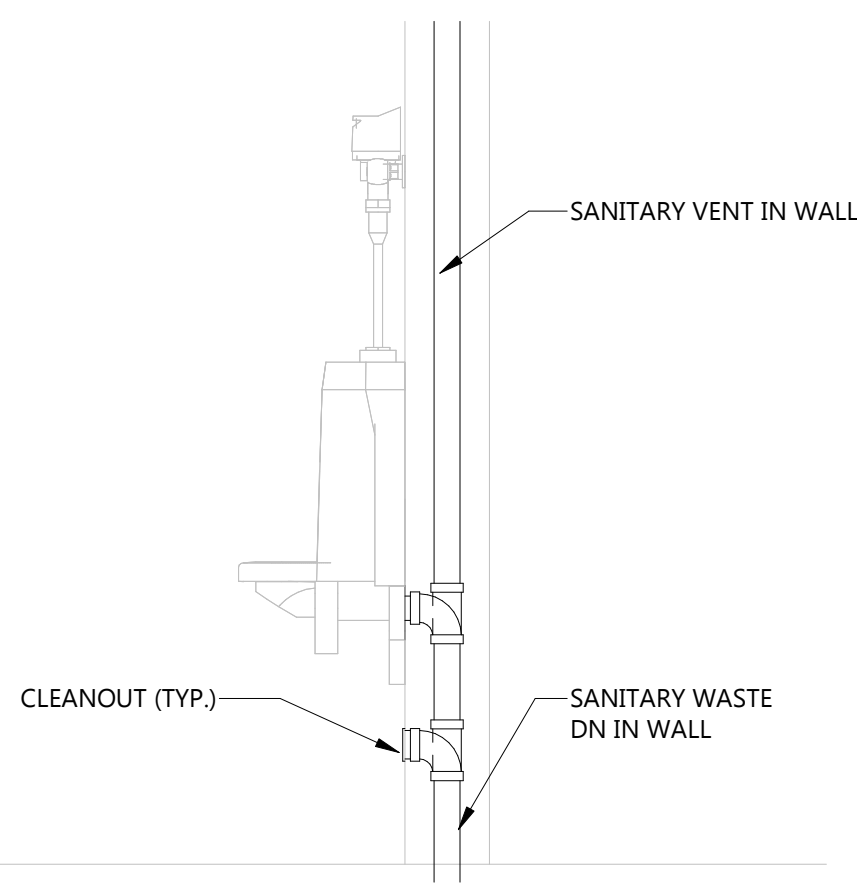
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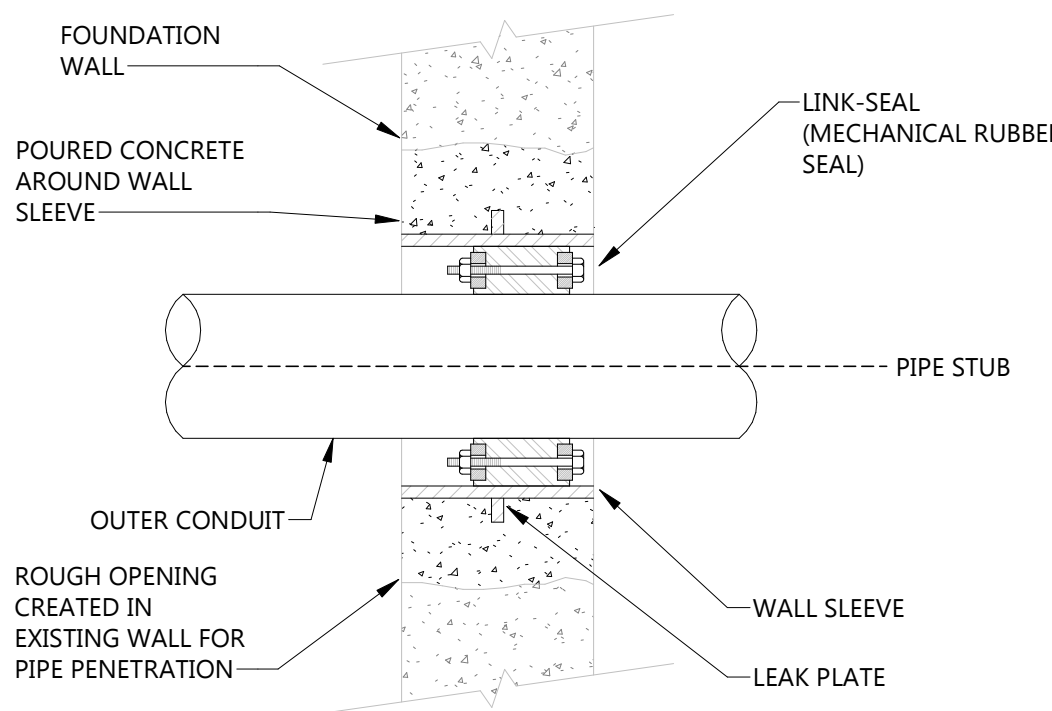
4 TYPICAL PIPE HANGER DETAIL
NOT TO SCALE



3 WATER SERVICE DETAIL
NOT TO SCALE

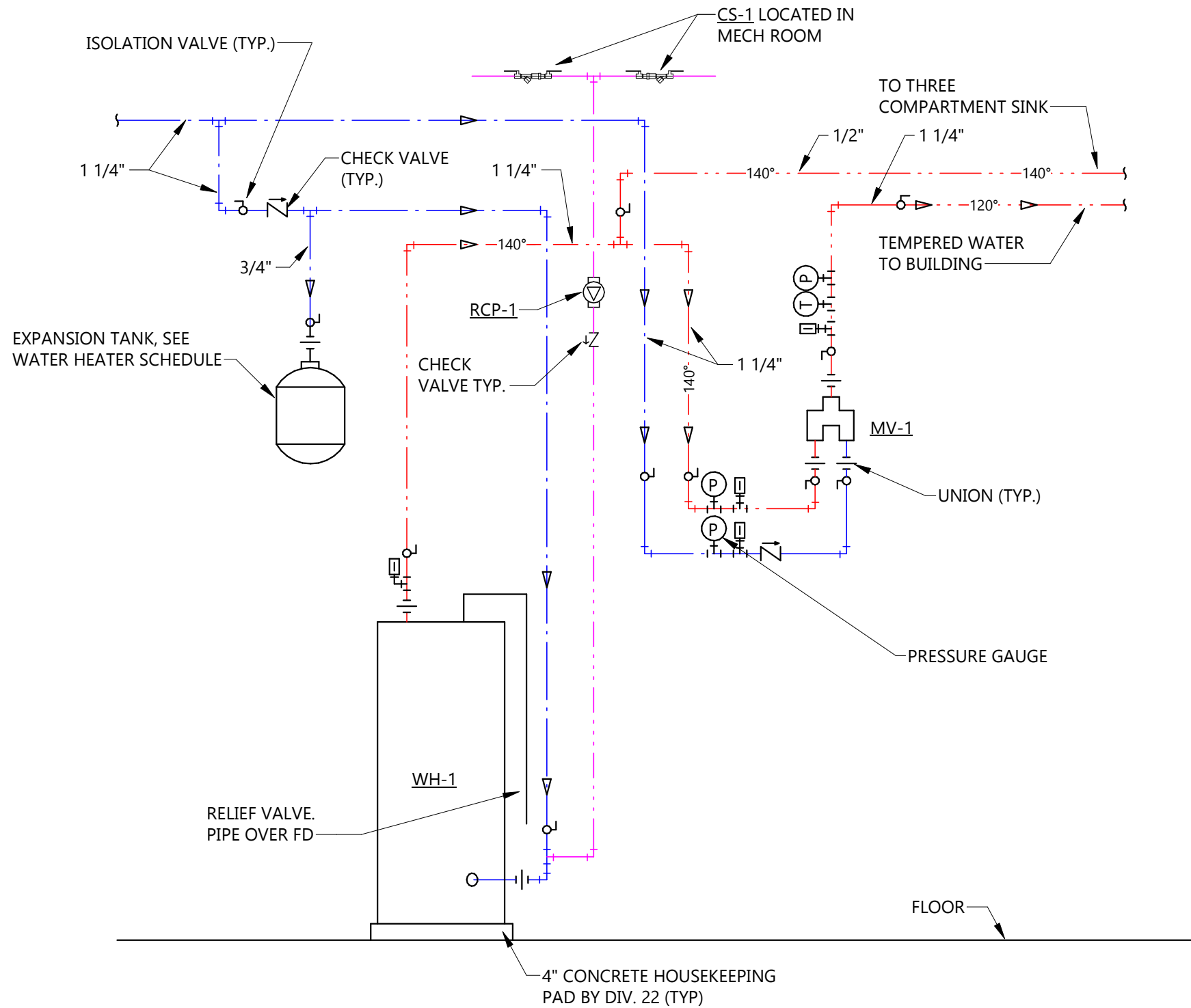


6 URINAL CLEANOUT DETAIL
NOT TO SCALE

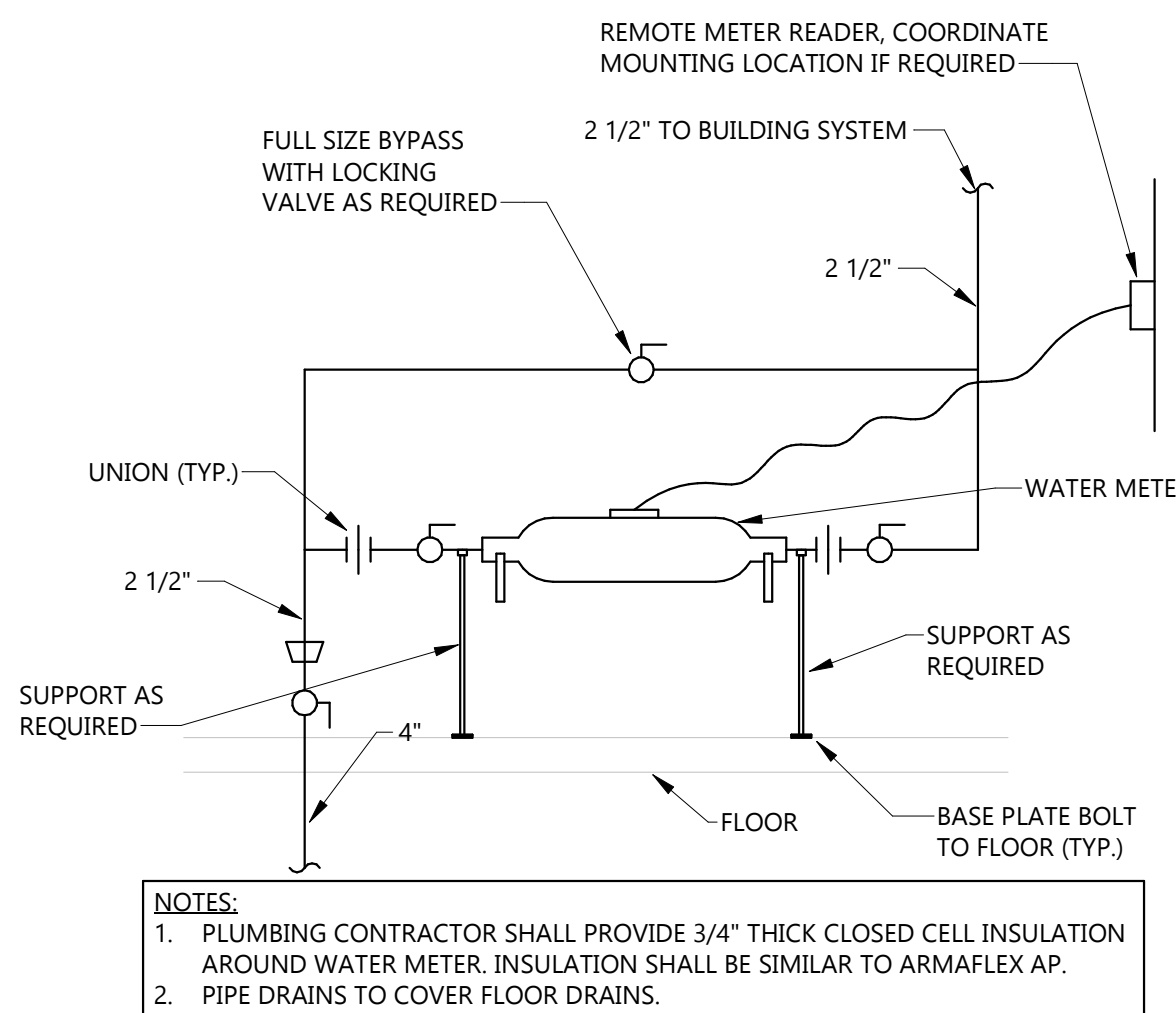


1. CORE DRILL ROUGH OPENING IN FOUNDATION WALL FOR PIPE PENETRATION. OPENING SHOULD BE ROUGHLY TWICE THE OUTSIDE DIAMETER OF THE LINK SEAL WALL SLEEVE.
2. INSERT WALL SLEEVE IN PLACE, POUR CONCRETE AROUND THE SLEEVE TO SECURE INTO WALL.
3. MECHANICAL CONTRACTOR SHALL FIELD VERIFY LINK SEAL SIZES FOR STEAM AND CONDENSATE PIPING.
4. LEAK PLATE IS APPROXIMATELY 2" IN LENGTH. FOR LEAK PLATE O.D. ADD 4" TO STEEL WALL SLEEVE O.D. DIMENSION.

2 LINK SEAL DETAIL
NOT TO SCALE



5 WATER HEATER
NOT TO SCALE



- NOTES:
1. PLUMBING CONTRACTOR SHALL PROVIDE 3/4" THICK CLOSED CELL INSULATION AROUND WATER METER. INSULATION SHALL BE SIMILAR TO ARMAFLEX AP.
 2. PIPE DRAINS TO COVER FLOOR DRAINS.

1 WATER METER DETAIL
NOT TO SCALE

PLUMBING FIXTURE SCHEDULE

ITEM NO.	MANUFACTURER	MODEL NO.	DESCRIPTION	FLOW RATE	CONNECTIONS - INCHES				REMARKS
					WASTE VARIES	VENT	CW	HW	
CO-1	ZURN	Z1400	CAST IRON BODY, ADJUSTABLE COLLAR, NICKEL BRONZE TOP, ABS TAPERED PLUG						SEE PLANS FOR PIPE SIZES
DF-1	HAWS	1119FRP	OUTDOOR FREEZE RESISTANT VANDAL RESISTANT DUAL DRINKING FOUNTAIN BOTTLE FILLER,18 GAUGE, SATIN FINISH THAT RESISTS CORROSION		2"	2"	1/2"		INSTALL WITH 6521FR FREEZE RESISTANT VALVE ASSEMBLY
EW-1	ELKAY	LZSTLG8WSLK	BI-LEVEL WALL HUNG DRINKING FOUNTAIN WITH BOTTLE FILL STATION ANTIMICROBIAL, HANDS FREE, HIGH EFFICIENCY, LAMINAR FLOW REAL DRAIN, LIGHT GRAY GRANITE, 8.0 GPH CHILLING CAPACITY		2"	2"	1/2"		INSTALL WITH CARRIER
FD-1	ZURN	Z415B	CAST IRON BODY, ADJUSTABLE COLLAR, NICKEL BRONZE ROUND STRAINER		VARIES	VARIES			PROVIDE DEEP SEAL P-TRAP 'SEE PLANS FOR PIPE SIZES
FS-1	ZURN	Z1900	12"x12"x6" DEEP CAST IRON BODY, LIGHT DUTY GRATE W/ 1/2" SLOTTED OPENINGS		2"	2"			PROVIDE DEEP SEAL P-TRAP 'SEE PLANS FOR PIPE SIZES
GI-1	ZURN	GRZE-25	WHITE ACID RESISTING PORCELAIN ENAMEL INTERIOR & TOP RATED AT 25 GPM AND 96.2 LBS MAXIMUM GREASE CAPACITY		2"				
HYD-1	WOODFORD	MODEL 19	15.5 SOLIDS CAPACITY, 2.3 SOLIDS CAPACITY FREEZELESS, ANTI-SIPHON, WALL HYDRANT, ASSE 1019 DEVICE				3/4"		INSTALL WITH 2A AND 3A TEE KEY OPTION
L-1	AMERICAN STANDARD	0496.221	OVAL UNDERMOUNT SINK, VITREOUS CHINA, FRONT OVERFLOW		2"	2"			
	CHICAGO FAUCETS	420-T41ABCP	19 1/4"x16 1/4" DECK MOUNTED 4" FIXED CENTERS SINGLE LEVER HOT & COLD WATER	1.5 GPM			1/2"	1/2"	
L-2	AMERICAN STANDARD	0496.221	THERMOSTATIC MIXING SINK FAUCET, 4" FIXED CENTERS		2"	2"			
	CHICAGO FAUCETS	3511-4E2805AB	OVAL UNDERMOUNT SINK, VITREOUS CHINA, FRONT OVERFLOW	.5 GPM			1/2"	1/2"	SET TEMP NOT TO EXCEED 110 DEGREES
	WATTS	LFUSG-B	DECK MOUNTED MANUAL FAUCET WITH 4" CENTERS, INCLUDES COVER PLATE						
L-3	AMERICAN STANDARD	0356.041	VANDAL PROOF PRESSURE COMPENSATING NON-AERATING LAMINAR SPRAY LEAD FREE BRASS BODY ASSE 1070 MIXING VALVE		2"	2"			INSTALL WITH CARRIER
	CHICAGO FAUCETS	3511-4E2805AB	WALL-HUNG SINK, VITREOUS CHINA, FRONT OVERFLOW, D-SHAPED BOWL	.5 GPM			1/2"	1/2"	SET TEMP NOT TO EXCEED 110 DEGREES
	WATTS	LFUSG-B	SELF DRAINING DECK AREA W/ CONTOURED BACK & SIDE SPLASH SHIELDS						
MB-1	MUSTEE	63M	DECK MOUNTED MANUAL FAUCET WITH 4" CENTERS, INCLUDES COVER PLATE		3"	2"			INSTALL WITH HOSE & HOSE HOLDER, MOP HANGER, BUMPER AND WALL GUARDS
	CHICAGO FAUCETS	897-RCF	VANDAL PROOF PRESSURE COMPENSATING NON AERATING LAMINAR SPRAY LEAD FREE BRASS BODY ASSE 1070 MIXING VALVE				3/4"	3/4"	
MV-1	LAWLER	801	ONE PIECE MOLDED HIGH IMPACT RESISTANT STRUCTURAL FIBERGLASS INTEGRAL, MOLDED IN DRAIN FOR CONNECTION TO PVC OR CAST IRON				1 1/4"	1 1/4"	
S-1	ELKAY	14-3C16X20-R-18X	THERMOSTATIC MASTER MIXING VALVE		2"	2"			
	T&S	B-0133-ADF12-B	UNION END STOP AND CHECK VALVE W/ REMOVABLE STRAINER				1/2"	1/2"	
S-2	ELKAY	SEHS-17X	STAINLESS STEEL 72 1/2"x25 13/16"x43 3/4" 16 GAUGE 3 COMPARTMENT SINK		2"	2"			
	WATTS	LFUSG-B M2	18" RIGHT DRAIN BOARD, STAINLESS STEEL LEGS, CENTER DRAINS						
SH-1	AQUATIC	SH3636	PRE-RINSE, 8" WALL MOUNT MIXING FAUCET, LEVER HANDLES	1.5 GPM	2"	2"	1/2"	1/2"	
	CHICAGO FAUCETS	SH-PB1-03-100	QUARTER-TURN ETERNA CARTRIDGES, 12" SWING NOZZLE						
SH-2	AQUATIC	1363BFSD	STAINLESS STEEL 17"x15"x11" 20 GAUGE HAND SINK WITH FAUCET		2"	2"			
	CHICAGO FAUCETS	SH-PB1-13-044	20 GAUGE STAINLESS STEEL, 300 SERIES STAINLESS, #4 FINISH	1.5 GPM			1/2"	1/2"	ENSURE 2" RECESS OF FLOOR FOR SHOWER BASE.
U-1	AMERICAN STANDARD	6590.001EC	CENTER DRAIN PLACEMENT, SPASH MOUNT GOOSE NECK FAUCET		2"	2"			INSTALL WITH CARRIER
	ZURN	Z6003AV-WS1	3/8" COMPRESSION FITTING THERMOSTATIC MIXING VALVE	1.0 GPF			3/4"		
U-2	AMERICAN STANDARD	6590.001EC	36"x36", ACRYLX APPLIED ACRYLIC SURFACE, MODERN, CLEAN DESIGN		2"	2"			INSTALL WITH CARRIER
	ZURN	Z6003AV-WS1	SLIP RESISTANT, TEXTURED BOTTOM, CENTER DRAIN,	1.0 GPF			3/4"		ADA HEIGHT
WC-1	AMERICAN STANDARD	3451.001	PRESSURE BALANCING SHOWER SYSTEM WITH SHOWER HEAD	1.6 GPF	4"	2"			
	ZURN	Z6000AV-WS1	INCLUDES SHOWER HEAD ARM AND WALL FLANGE						
WC-2	BEMIS	1955SSCT	36"x36", ACRYLX APPLIED ACRYLIC SURFACE, CENTER DRAIN LOCATION	1.6 GPF	4"	2"			ADA COMPLIANT
	ZURN	Z6000AV-WS1	SLIP RESISTANT, TEXTURED BOTTOM,						
	BEMIS	1955SSCT	PRESSURE BALANCING SHOWER SYSTEM W HAND SPRAY AND 36" ADA GRAB BAR						
NOTES:					LEGEND				
1. PROVIDE COLD WATER AND HOT WATER SCREWDRIVER STOPS AT ALL SINKS, LAVATORIES, ELECTRIC WATER COOLERS, ETC.					WC = WATER CLOSET		EWS = EYEWASH STATION		
2. ALL WATER SUPPLIES AND STOPS SHALL BE INSTALLED SECURE TO BACKING IN WALL OR SUPPLY STRAPS AS REQUIRED FOR A SECURE, RIGID INSTALLATION.					U = URINAL		HYD = HYDRANT		
3. PROVIDE ESCUTCHEONS AT ALL WASTE AND WATER SUPPLIES AT EACH FIXTURE. ESCUTCHEONS SHALL COMPLETELY COVER WALL OPENING.					L = LAVATORY		HB = HOSE BIB		
4. ALL WALL HUNG WATER CLOSETS, URINALS AND LAVATORIES SHALL BE CAULKED/SEALED ALL AROUND INCLUDING THE UNDERSIDE. FLOOR MOUNTED WATER CLOSETS SHALL NOT BE CAULKED/SEALED TO FLOOR.					S = SINK		TD = TRENCH DRAIN		
5. ALL COUNTER MOUNTED FIXTURES SHALL BE CAULKED/SEALED AS PER THE MANUFACTURERS INSTRUCTIONS.					B = BATHTUB		FS = FLOOR SINK		
6. COORDINATE ALL SELF RIMMING LAVATORIES AND SINKS WITH GENERAL CONTRACTOR AND CASEWORK SUPPLIER FOR FIT.					SH = SHOWER		FD = FLOOR DRAIN		
7. ALL A.D.A. COMPLIANT WATER CLOSETS SHALL HAVE FLUSHING MECHANISM TO OPEN SIDE OF ROOM OR STALL.					MB = MOP BASIN		CO = CLEANOUT		
8. ALL EXPOSED P-TRAPS AND WATER SUPPLIES AT A.D.A. ACCESSIBLE LOCATIONS SHALL BE PROVIDED WITH PROTECTIVE SHIELD OR COVERS AS SPECIFIED.					LT = LAUNDRY TUB		WCO = WALL CLEANOUT		
					EWC = ELEC. WATER COOLER		RD = ROOF DRAIN		
					WT = WASHER TRIM		ORD = OVERFLOW ROOF DRAIN		
					DB = DRAIN BOX		WB = WATER OUTLET BOX		
					WB = WATER OUTLET BOX		CB = CONDENSATE BOX		
					CB = CONDENSATE BOX		MV = MIXING VALVE		
					MV = MIXING VALVE				

ELECTRIC WATER HEATER SCHEDULE

ITEM NUMBER	MANUFACTURER	MODEL #	LOCATION	KW	CAPACITY (GALLONS)	GPH RECOVERY 40" TO 120"	SET TEMP	V / PH	NOTES:
WH-1	AO SMITH	DRE-120A-54	MECH	54	119	277	140	240/1	1, 2, 3, 4,
1. ASME RATED 2. PIPE RELIEF VALVES OVER FLOOR DRAIN 3. PROVIDE A BELL & GOSSETT MODEL PTA-12V EXPANSION TANK WITH 5 GALLON TANK VOLUME AND 3.3 ACCEPTANCE VOLUME. TANK SHALL BE SUITABLE FOR POTABLE WATER SYSTEMS. 4. TANK SHALL HAVE A 10 YEAR WARRANTY.									

PLUMBING PUMP SCHEDULE

NUMBER	SERVICE	MFGR.	MODEL	PUMP TYPE	GPM	TOTAL HEAD	MOTOR CHARACTERISTICS			NOTES:
							RPM	HP	V / PH	
RCP-1	DOMESTIC WATER CIRCULATOR	BELL & GOSSETT	NBF-25	INLINE	0.52	5.4	2,950	1/15	115 / 1	1, 2, 3, 4
1. ITT BELL & GOSSET 100% LEAD-FREE BRONZE PUMP 2. INSTALL WITH ISOLATION VALVES & UNIONS AS REQUIRED FOR PUMP MAINTANENCE. 3. PROVIDE AQUASTAT AND TIMER 4. PUMP SHALL BE SUITABLE FOR DOMESTIC POTABLE HOT WATER AND SHALL BE PROVIDED WITH A DISCONNECT SWITCH.										

DOMESTIC WATER BALANCING VALVE SCHEDULE

ITEM NUMBER	MANUFACTURER	MODEL #	SERVICE	CONNECTION SIZE	INLET TEMP	OUTLET TEMP	NOTES:
CS-1	CIRCUIT SOLVER	CS-3/4-110	DOMESTIC WATER	3/4"	120°F	110°F	1, 2
1. ANSI-61 RATED 2. PROVIDE SUITABLE LINE SIZE ISOLATION VALVES, UNIONS AND STRAINER AS INDICATED BY MANUFACTURERS REQUIREMENTS & PER DETAIL ON DRAWINGS.							



Architecture	Engineering
Interior Design	Industrial

TELEPHONE **701.258.3116**

116 W. Main Ave., Suite A, Bismarck ND 58501

www.eapc.net

CLIENT
NEW TOWN SCHOOL DISTRICT

PROJECT DESCRIPTION
NEW TOWN GRANDSTANDS

CITY NEW TOWN
STATE ND

ISSUE DATES

CD	CONSTRUCTION DOCUMENTS	08/17/2026
MARK	DESCRIPTION	DATE

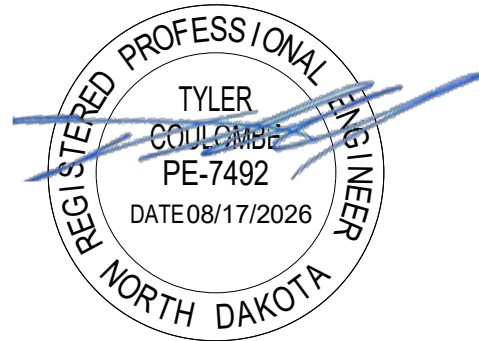
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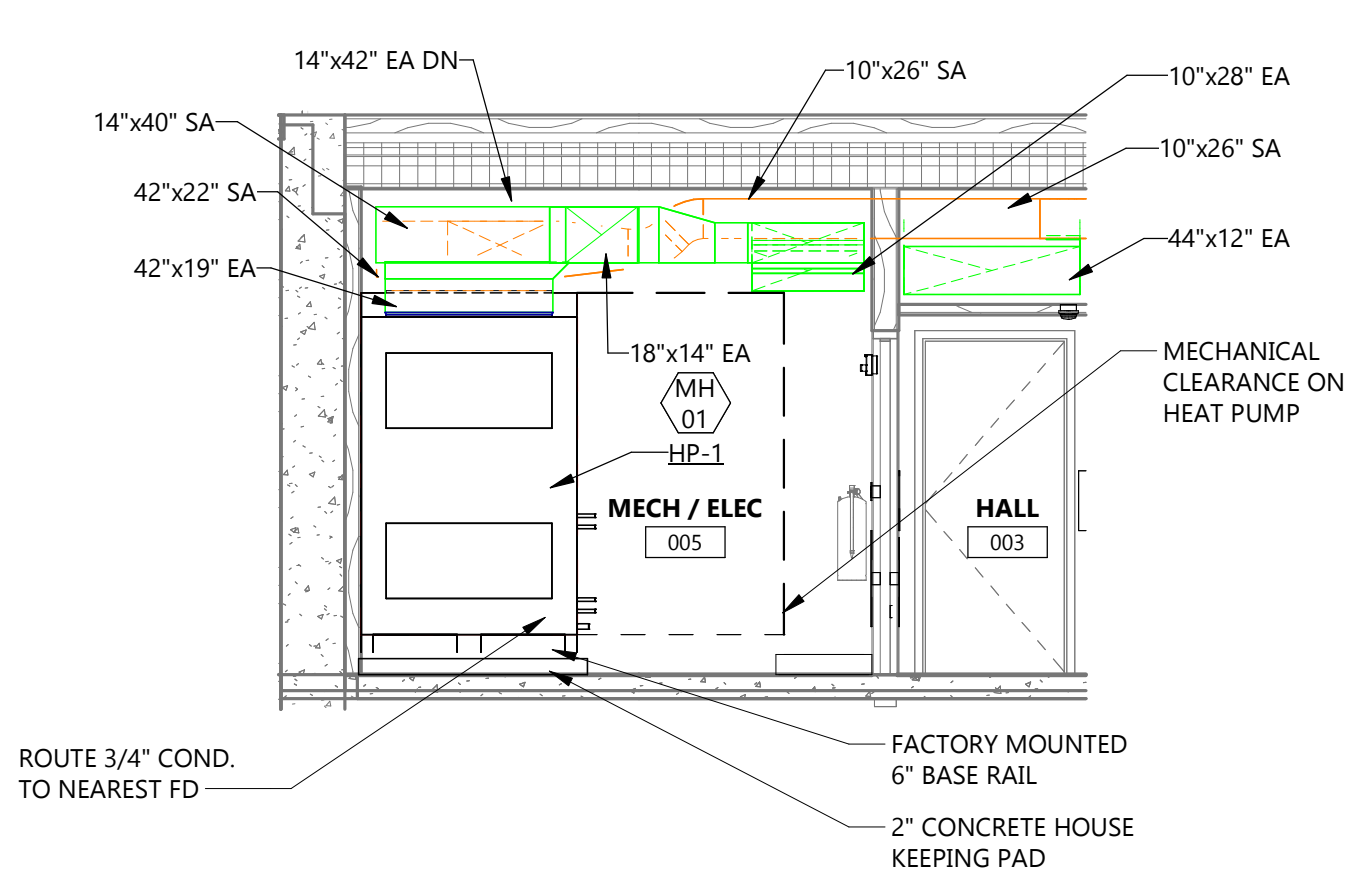
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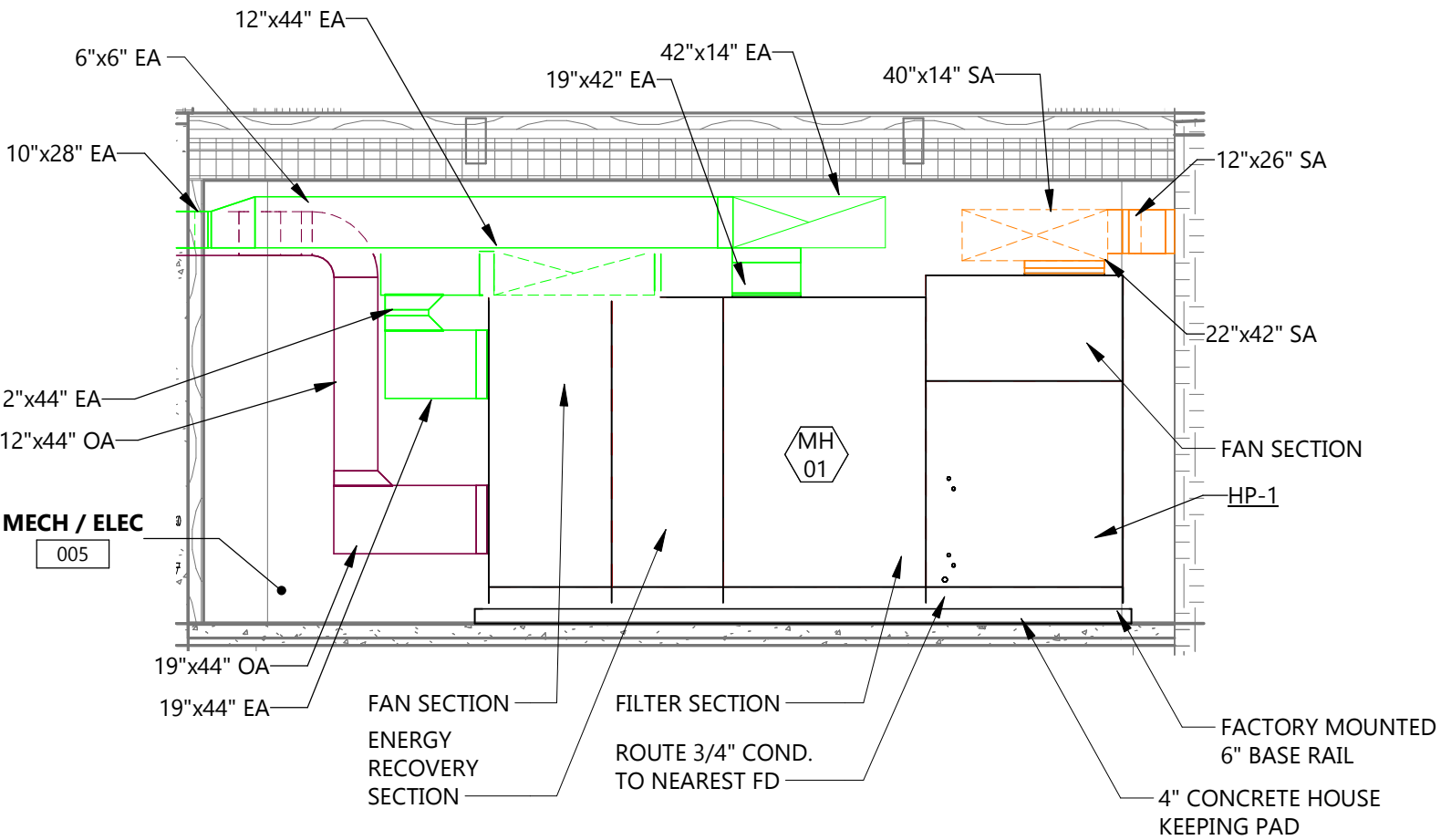
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PLUMBING SCHEDULES

P801

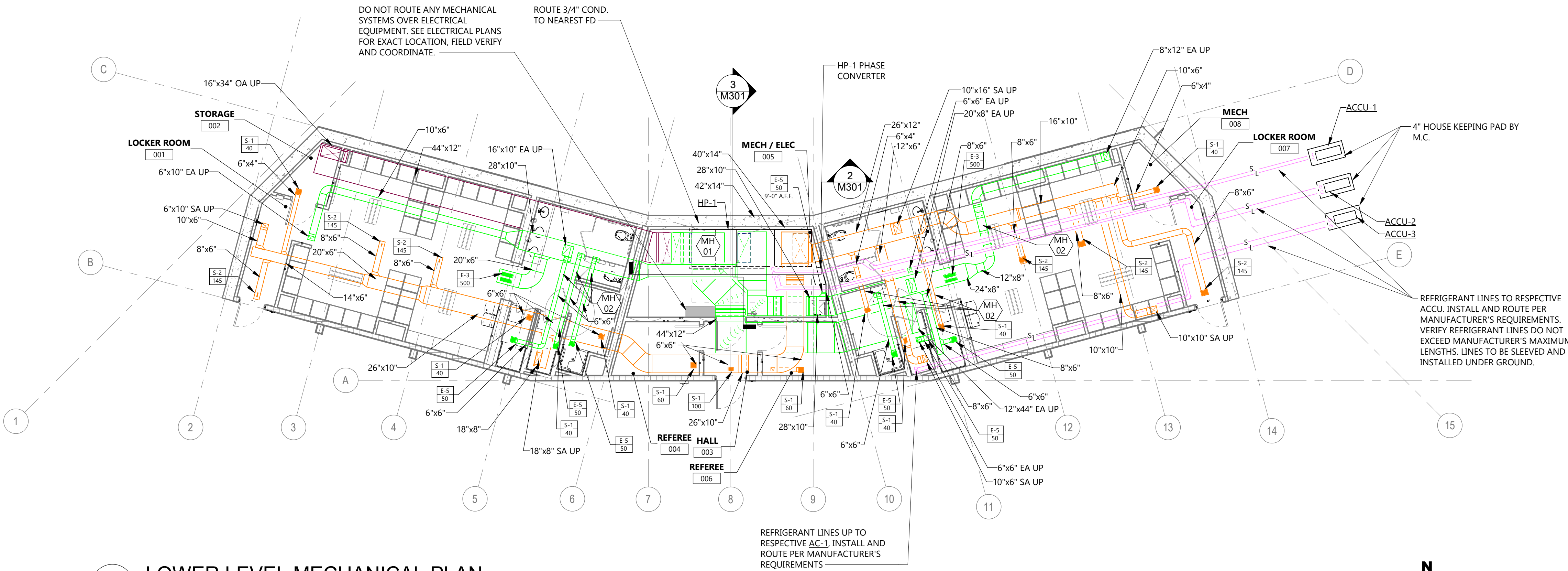
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Plot Date: 8/17/2026, 10:16:38 AM



3
M301
MECHANICAL ROOM SECTION
1/4" = 1'-0"



2
M301
HP-1 SECTION
1/4" = 1'-0"



1
M301
LOWER LEVEL MECHANICAL PLAN
1/8" = 1'-0"

KEYNOTE LEGEND:	
	< < < INDICATES KEYNOTE ON PLAN
MH 01	MANUFACTURER TO VERIFY UNIT WILL FIT IN ROOM AS SHOWN ON PLANS. ANY MODIFICATION OR NEGATIVE SYSTEM EFFECTS CAUSED BY LARGER EQUIPMENT WILL BE THE RESPONSIBILITY OF THE MANUFACTURER AND THE CONTRACTOR TO REMEDY AT NO ADDITIONAL COST TO THE OWNER.
MH 02	DUCT TO BE ROUTED IN JOIST SPACE. FIELD VERIFY AND COORDINATE EXACT TRUSS LOCATION. SEE PLUMBING PLANS TO PIPING LOCATED IN JOIST SPACE.



Architecture
Interior Design

Engineering
Industrial

TELEPHONE 701.258.3116
116 W. Main Ave., Suite A, Bismarck ND 58501
www.eapc.net

CONSULTANTS

CLIENT
NEW TOWN SCHOOL DISTRICT

PROJECT DESCRIPTION
NEW TOWN GRANDSTANDS

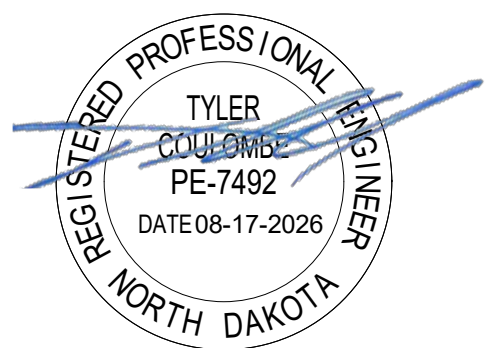
CITY NEW TOWN
STATE ND

ISSUE DATES

CD	CONSTRUCTION DOCUMENTS	08/17/2026
MARK	DESCRIPTION	DATE

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LOWER LEVEL MECHANICAL PLAN

M301

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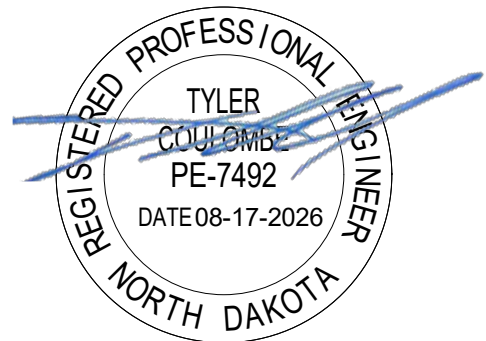
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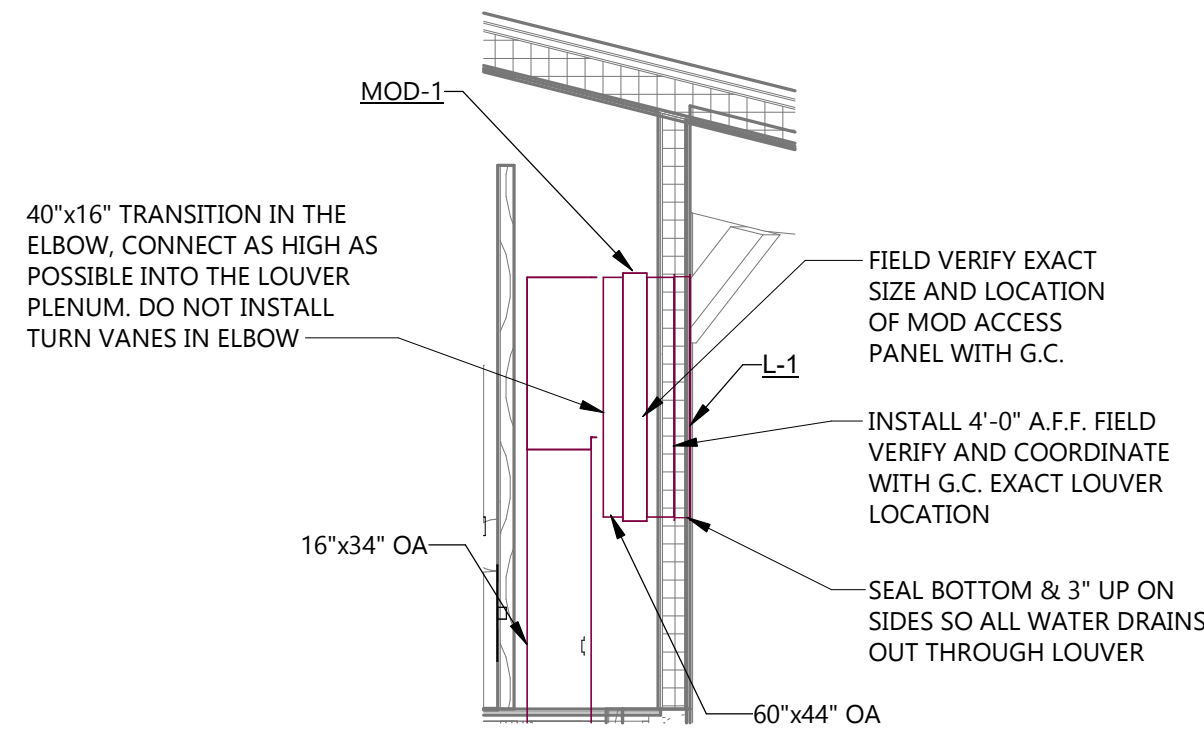
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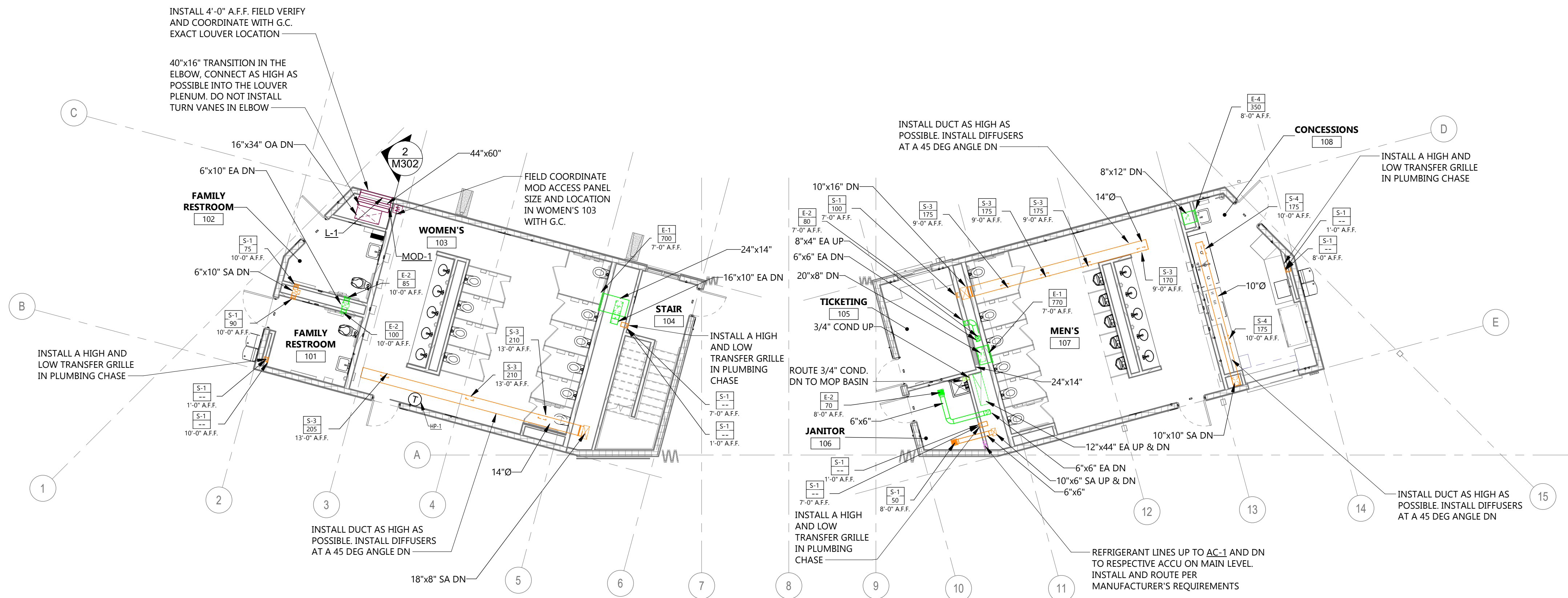
DRAWING TITLE
MAIN LEVEL
MECHANICAL PLAN

M302



2 L-1 AND MOD-1 SECTION

1/4" = 1'-0"



1 MAIN LEVEL MECHANICAL PLAN

1/8" = 1'-0"



CD	CONSTRUCTION DOCUMENTS	08/17/2026
MARK	DESCRIPTION	DATE

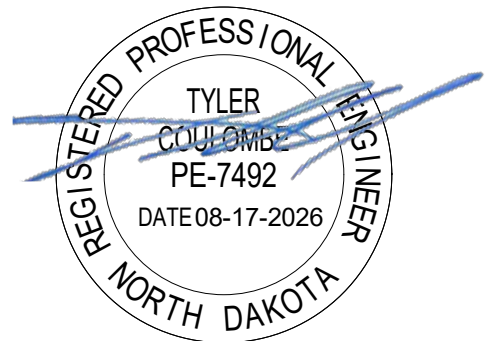
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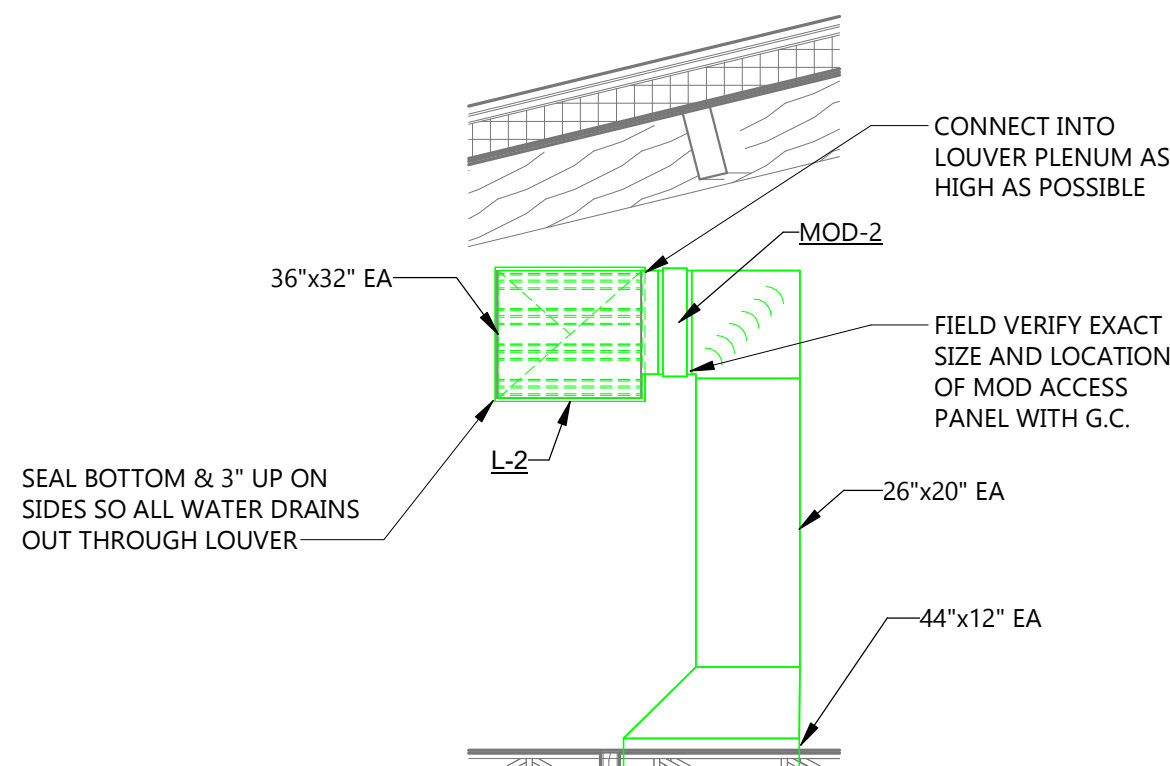
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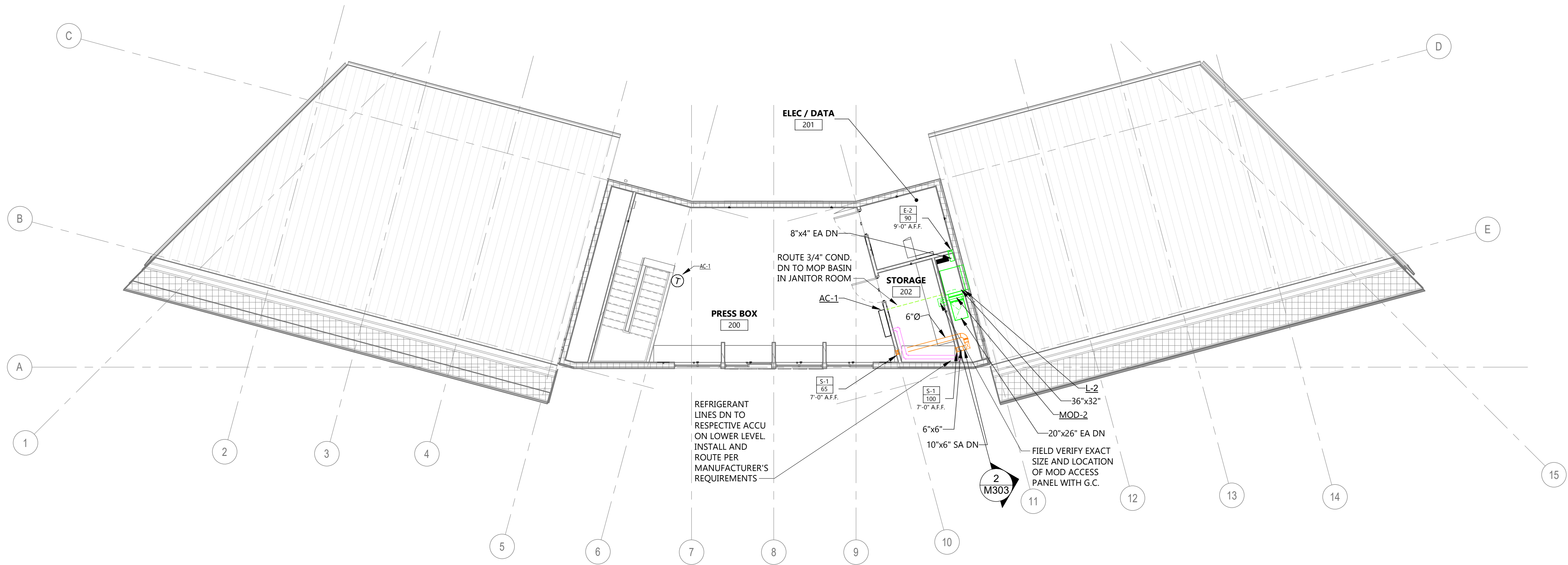


DRAWING TITLE
PRESS BOX
MECHANICAL PLAN

M303



2 L-2 AND MOD-2 SECTION
M303 1/4" = 1'-0"



1 PRESS BOX MECHANICAL PLAN
M303 1/8" = 1'-0"

MOTORIZED DAMPER SCHEDULE				
TAG	SIZE		DAMPER ACTUATOR	NOTES:
	WIDTH	HEIGHT		
MOD-1	44"	60"	24V	1
MOD-2	20"	26"	24V	1
1. LOW VOLTAGE WIRING BY MECHANICAL CONTRACTOR				

HEAT PUMP WITH ENERGY RECOVERY SCHEDULE

TAG	MANUFACTURER MODEL	SA CFM	EA CFM	SA E.S.P. "W.G."	SA T.S.P. "W.G."	EA E.S.P. "W.G."	EA T.S.P. "W.G."	SA FAN HP	EA FAN HP	ENERGY RECOVERY				HEATING CAPACITY				COOLING CAPACITY				ELECTRICAL				NOTES:								
										EFFECTIVENESS %			WINTER		SUMMER		ROOM CONDITIONS		EAT		LAT		EAT		LAT		V / PH	MCA (A)	MOP (A)	SCCR (KA)	FLA (A)			
										SENSIBLE	WINTER	SUMMER	EAT	LAT	EAT	LAT	WINTER	SUMMER	MBH	EAT dB °F	LAT dB °F	TYPE	MBH	dB °F	wB °F							dB °F	wB °F	REFRIG.
HP-1	DAIKIN BCVU0601	3,595	3,595	1"	2.68"	1"	2.18"	(2) 4.42	(2) 2.4	66%	77%	69%	-30	42.8 / 33.8	95 / 75	76 / 58	70 / 50	70 / 50	227.765	46	103.9	HEAT PUMP	94.9	76.8	58.8	52.6	48.9	R32	208 / 3	34.4	40.0	10.0	32	1, 2, 3, 4, 5, 6, 7, 8, 9

1. PROVIDE FLEXIBLE CONNECTIONS ON ALL DUCTWORK CONNECTIONS TO UNIT.
2. PROVIDE SINGLE POINT POWER CONNECTION WITH FUSED DISCONNECT.
3. UNIT SHALL HAVE THERMOSTAT RATED FOR A 0-10VDC ANALOG CONTROL, TO PROVIDE SIGNAL AND SPEED DETERMINED DURING BALANCING TO OPERATE SYSTEM AT DESIGNED AIRFLOW.
4. PROVIDE UNIT WITH 2" MERV 8 FILTERS
5. UNIT SHALL BE VERTICAL ORIENTATION. UNIT DIMENSIONS SHALL BE 173.9"L x 85.5"H x 54"W. UNIT IS APPROX. 2851 LBS
6. PROVIDE UNIT WITH FACTORY MOUNTED FREEZE/STAT
7. PROVIDE WITH REFRIGERANT DETECTION
8. MANUFACTURER TO VERIFY UNIT WILL FIT IN ROOM AS SHOWN ON PLANS. ANY MODIFICATION OR NEGATIVE SYSTEM EFFECTS CAUSED BY LARGER EQUIPMENT WILL BE THE RESPONSIBILITY OF THE MANUFACTURER AND THE CONTRACTOR TO REMEDY AT NO ADDITIONAL COST TO THE OWNER. UNIT TO HAVE MAX SECTION SPLITS OF 36"
9. PROVIDE UNIT WITH PHASE PERFECT PT-010 DIGITAL PHASE CONVERTER FOR 208 / 1 INPUT AND 208 / 3 OUTPUT AT UNIT. PHASE CONVERTER TO BE PROVIDED BY M.C. AND FIELD INSTALLED.

AIR COOLED CONDENSING UNIT

TAG	CONTROLLED BY	COOLING BTUH (NOMINAL)	EER2	SEER2	SCCR (kA)	ELECTRICAL			DAIKIN MODEL #	NOTES:
						V / PH	MCA (A)	MOP (A)		
ACCU-1	HP-1	45,500	9.0	17.0	5.0	208 / 1	31.8	35.0	DC6VSS4810	1, 2, 3, 4
ACCU-2	HP-1	45,500	9.0	17.0	5.0	208 / 1	31.8	35.0	DH6TE09040	1, 2, 3, 4
MCA - MINIMUM CIRCUIT AMPACITY 1. UNITS SHALL BE DUAL CIRCUIT TO HP-1 2. DISCONNECT BY DIV. 26 3. REFRIGERANT SHALL BE R-32 4. UNIT SHALL HAVE A COOLING OPERATION RANGE OF 0-115 DEG F										

SPLIT SYSTEM HEAT PUMP SCHEDULE

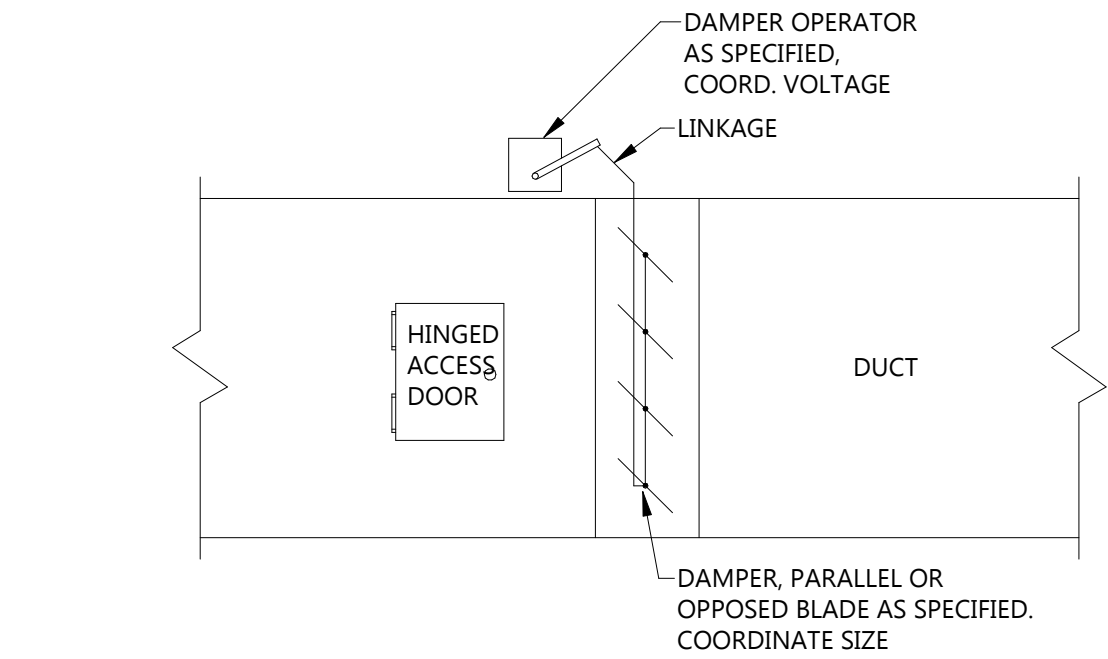
TAG	ROOM	MANUFACTURER	MODEL #	UNIT TYPE	OUTDOOR UNIT	CFM	COOLING MBH (TOTAL)	HEATING (MBH)	SEER2	V / PH	ELECTRICAL	MCA (A)	SYSTEM TYPE	NOTES:
AC-1	200	HAIER	QS18WB2BEA	INDOOR	ACCU-3	490	17.0	19.0	-	208 / 1	MOP (A)	-	MINI-SPLIT	1, 2, 3
ACCU-3	-	HAIER	1Q18FF2BEA	OUTDOOR	-	-	17.0	19.0	19.0	208 / 1	25.0	18.0	MINI-SPLIT	1, 4, 5
1. REFRIGERANT IS R-454B. INSTALL PER MANUFACTURERS RECOMMENDATIONS. 2. PROVIDE UNITS COMPLETE WITH WIRELESS REMOTE THERMOSTAT 3. PROVIDE WITH REFRIGERANT LEAK SENSOR MODEL JAL501A. FIELD INSTALLED 4. UNIT TO BE CAPABLE OF COOLING TO 23 DEG F AND HEATING TO -15 DEG F 5. INSTALL OUTDOOR UNITS PER MANUFACTURER'S REQUIREMENTS FOR SERVICE & OPERATING CLEARANCES.														

LOUVER SCHEDULE

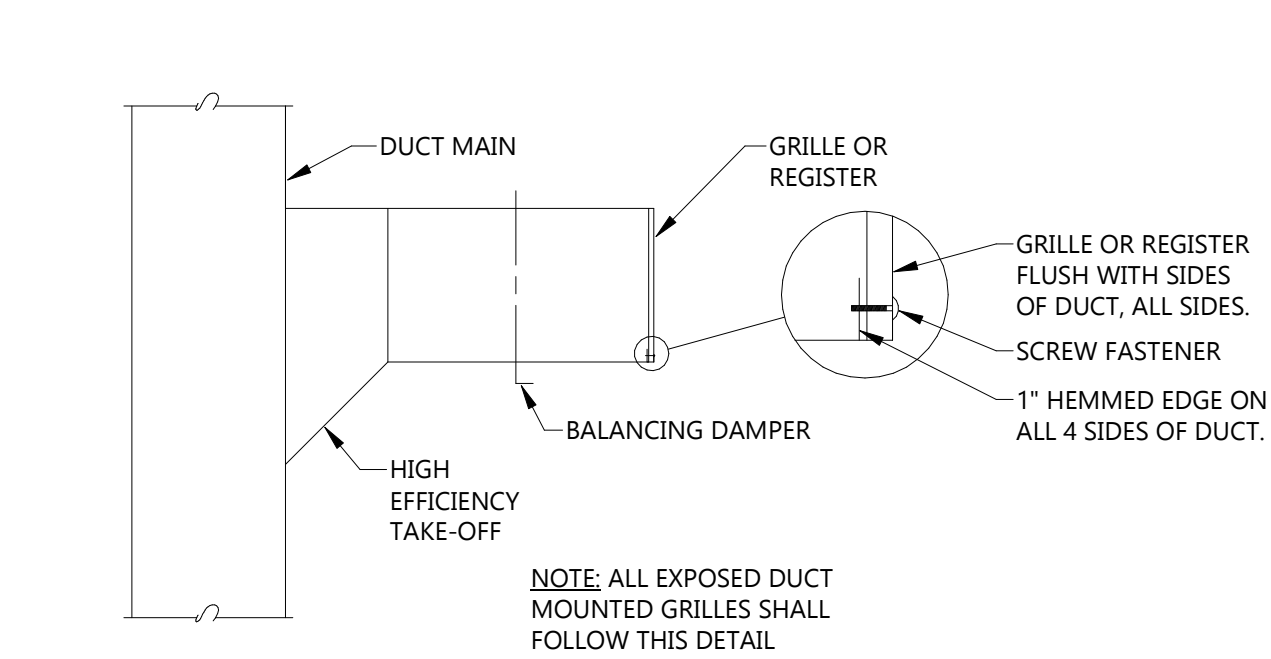
TAG	MANUFACTURER & MODEL #	CFM	FREE AREA (FT2)	VELOCITY (FT/MIN)	PRESSURE DROP (IN W.C.)	LOUVER SIZE			FINISH	MATERIAL	NOTES:
						WIDTH	HEIGHT	DEPTH			
L-1	GREENHECK ESD-436	3,595	26.8	345	0.02	44"	60"	4"	COLOR SELECTION BY ARCHITECT	ALUMINUM	1, 2, 3
L-2	GREENHECK ESD-435	3,595	26.8	891	0.11	36"	32"	4"	COLOR SELECTION BY ARCHITECT	ALUMINUM	1, 2, 3
1. MANUFACTURER TO PROVIDE LOUVER WITH 1/2"x 1/2" BIRDSCREEN 2. COLOR SELECTION BY ARCHITECT. 3. INSTALLED BY M.C.											

REGISTER-GRILLE-DIFFUSER SCHEDULE

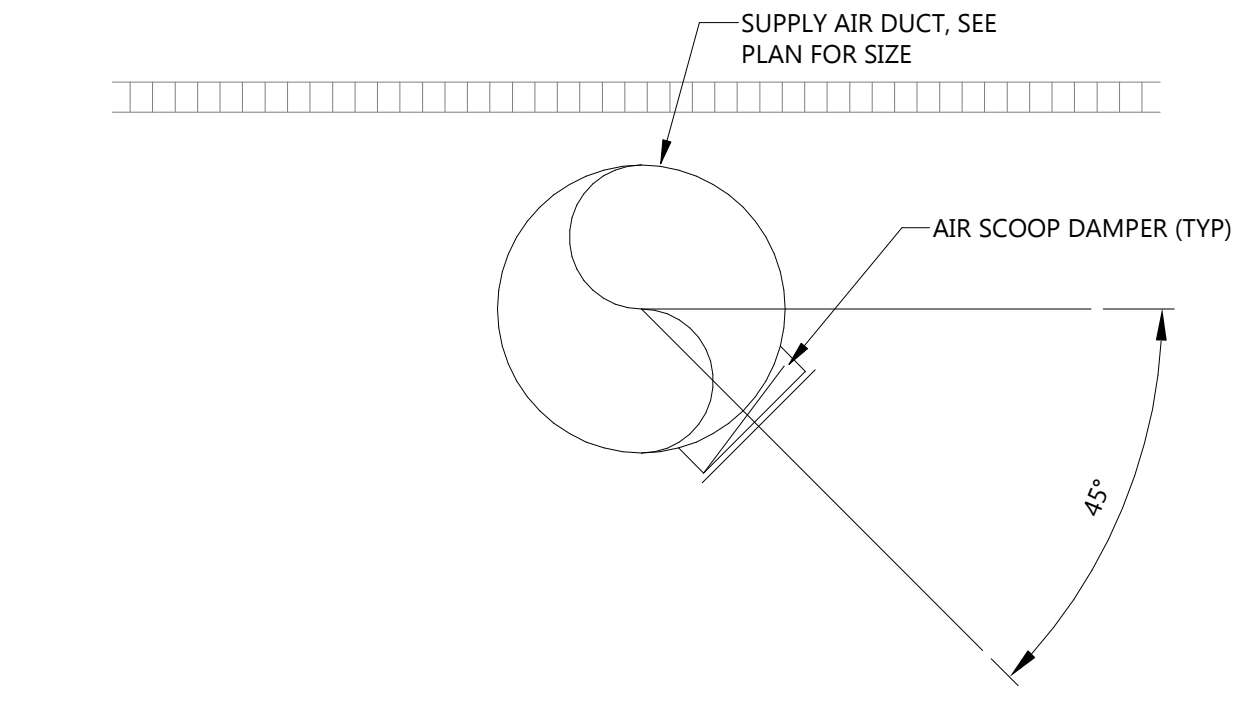
TAG	TYPE	FACE	NECK SIZE	FRAME	CFM	LOUVER SIZE			FINISH	MATERIAL	NOTES:
						WIDTH	HEIGHT	DEPTH			
S-1	S	FIXED GRILLE	6"x 6"	7-3/4"x 7-1/4"	SEE PLAN	2	1	1	1	610	1, 2
S-2	S	FIXED GRILLE	8"x 6"	9-3/4"x 7-1/4"	SEE PLAN	2	1	1	1	610	1, 2
S-3	S	14"Ø SPIRAL DUCT GRILLE	10"x 5"	11-3/4"x 6-3/4"	SEE PLAN	2	2	2	2	SDGE	3
S-4	S	10"Ø SPIRAL DUCT GRILLE	10"x 5"	11-3/4"x 6-3/4"	SEE PLAN	2	2	2	2	SDGE	3
E-1	E	FIXED GRILLE	24"x 14"	25-3/4"x 15-1/4"	SEE PLAN	2	1	1	1	630	1, 2
E-2	E	FIXED GRILLE	7"x 6"	8-3/4"x 7-3/4"	SEE PLAN	2	1	1	1	630	1, 2
E-3	E	FIXED GRILLE	16"x 14"	17-3/4"x 15-3/4"	SEE PLAN	2	1	1	1	630	1, 2
E-4	E	FIXED GRILLE	16"x 10"	17-3/4"x 11-3/4"	SEE PLAN	2	1	1	1	630	1, 2
E-5	E	FIXED GRILLE	6"x 6"	7-3/4"x 7-3/4"	SEE PLAN	2	1	1	1	630	1, 2
1. CAULK DIFFUSERS AND GRILLE TO WALLS AND CEILINGS FOR AIR TIGHT SEAL. 2. PROVIDE WITH OPTIONAL DAMPER OPERATOR. 3. PROVIDE WITH OPTIONAL AIR SCOOP. GRILLE TO BE DUCT MOUNTED											



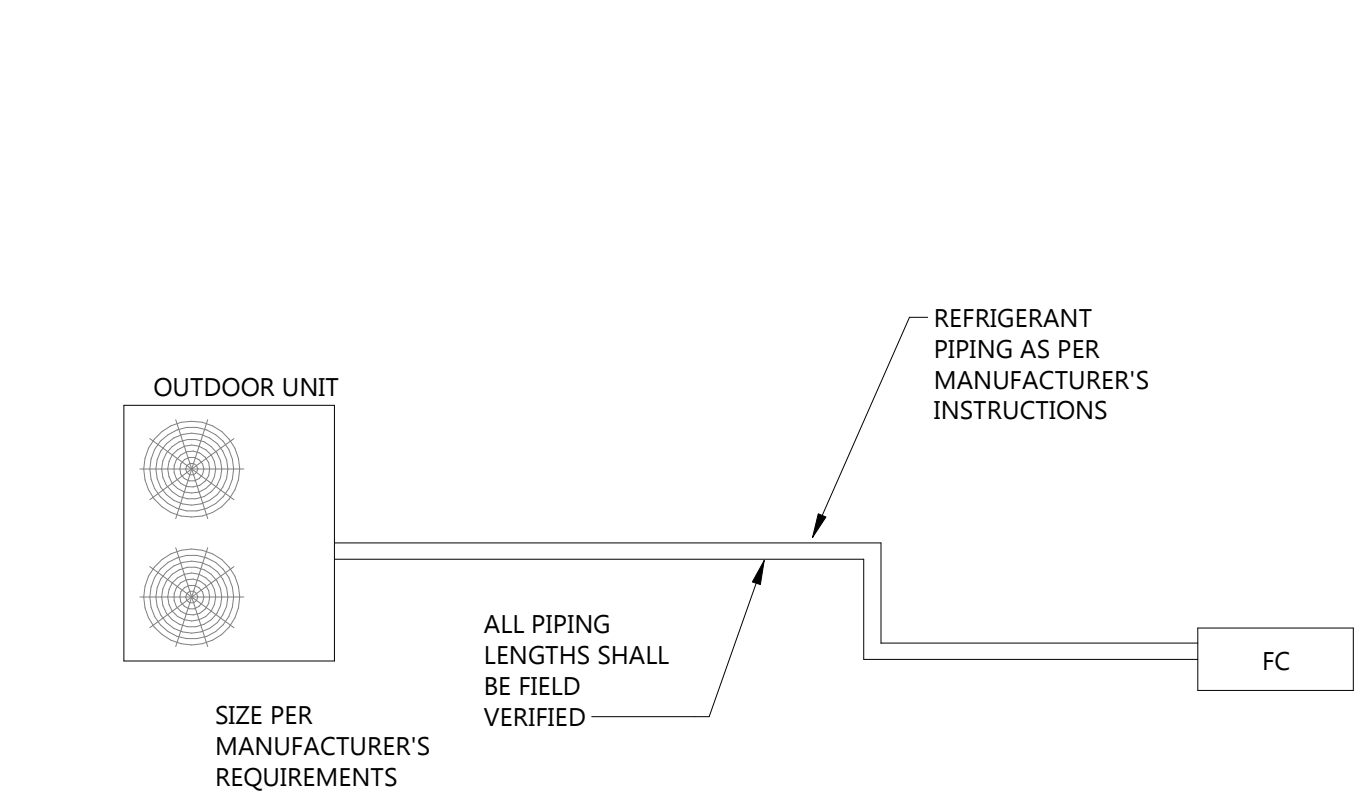
9 MOTOR OPERATED DAMPER DETAIL
NOT TO SCALE



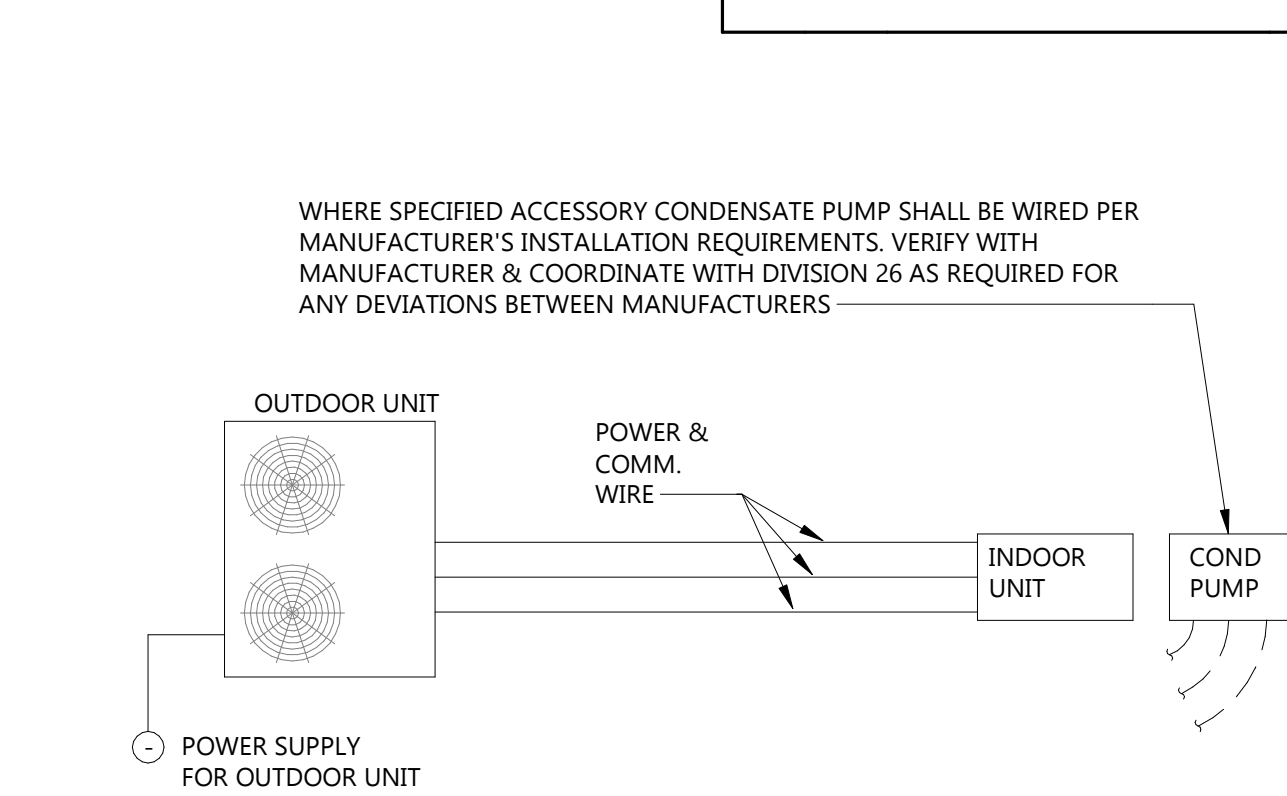
8 FLUSH GRILLE/REGISTER INSTALLATION
NOT TO SCALE



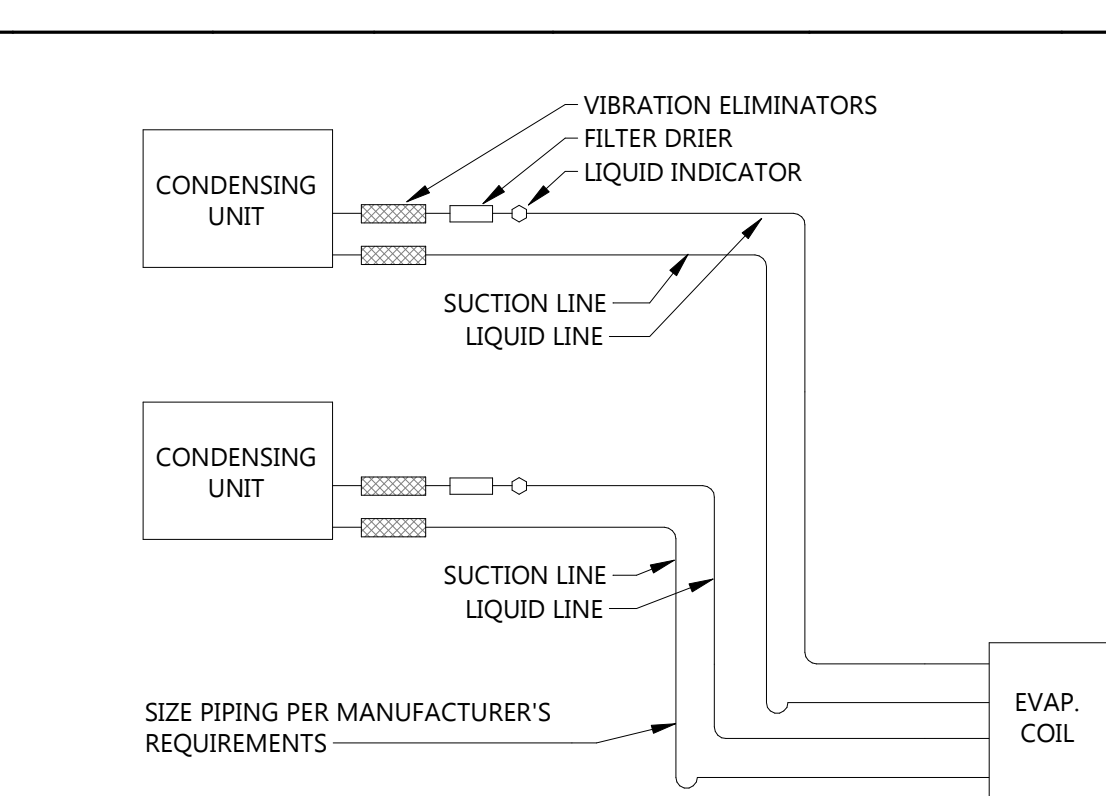
7 TYP. HIGH CEILING DUCT MOUNT GRILLE DETAIL (S-3, S-4)
NOT TO SCALE



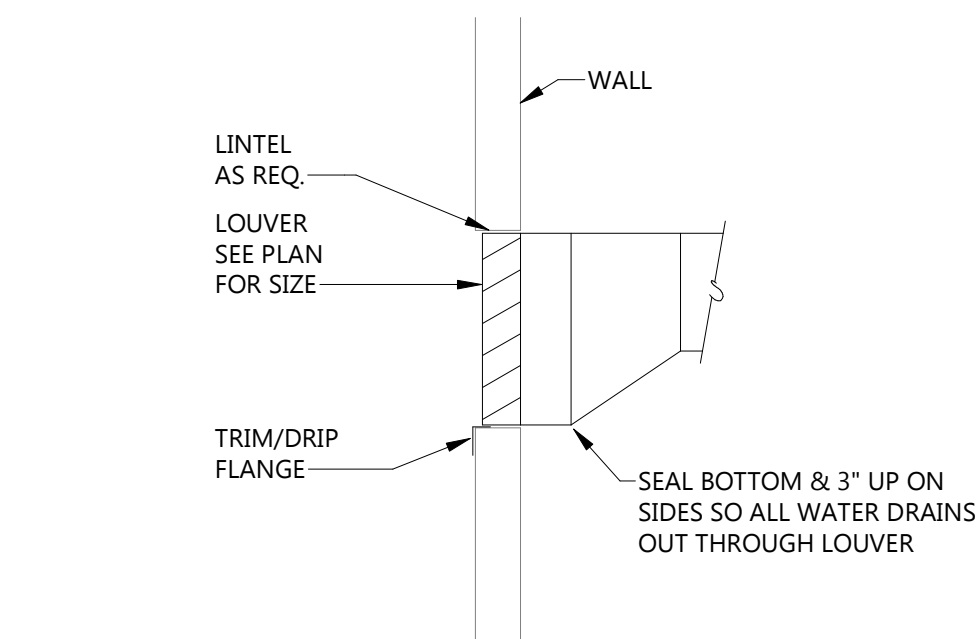
6 MINI SPLIT SYSTEM TYPICAL PIPING DETAIL
NOT TO SCALE



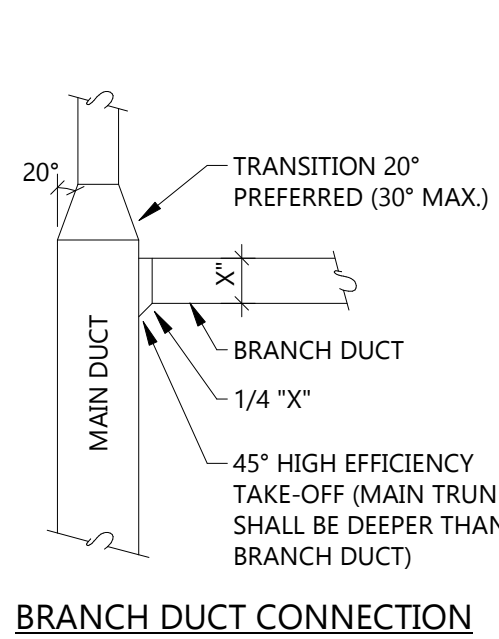
5 SPLIT SYSTEM TYPICAL WIRING DETAIL
NOT TO SCALE



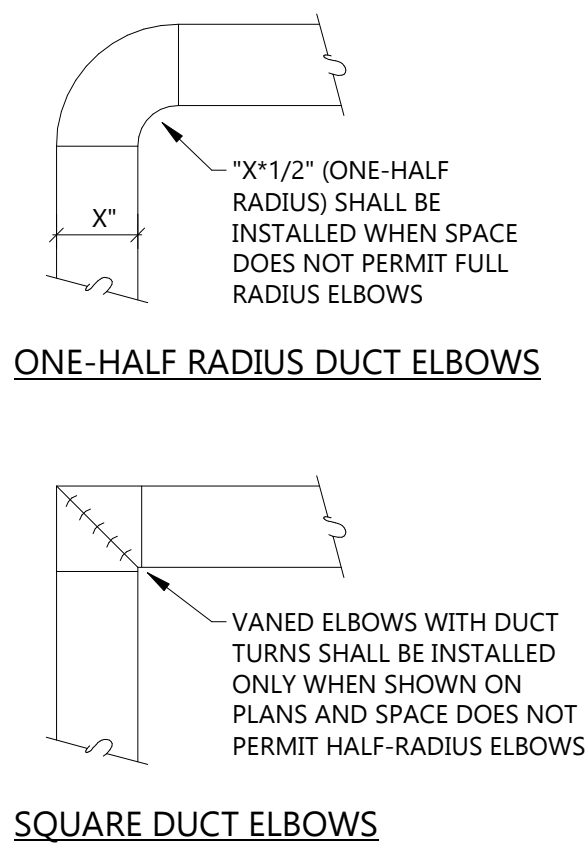
4 CONDENSING UNIT DETAIL
NOT TO SCALE



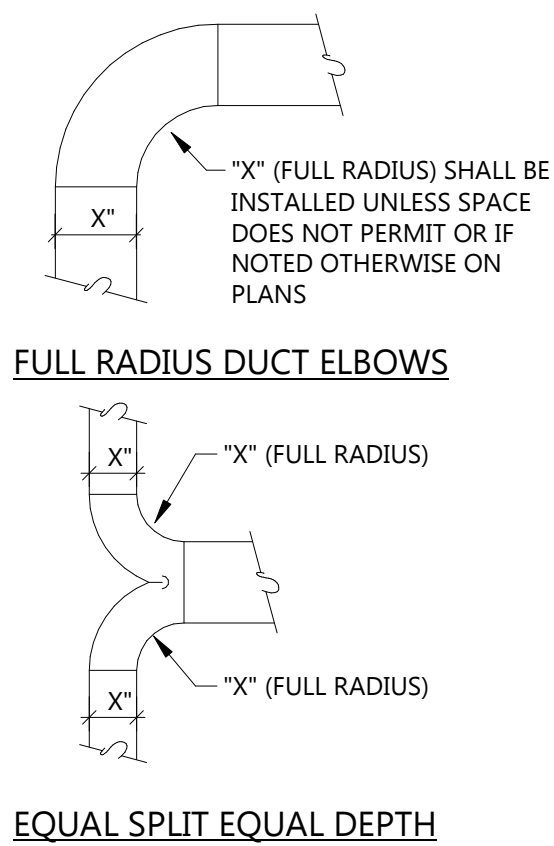
3 TYPICAL LOUVER DETAIL
NOT TO SCALE



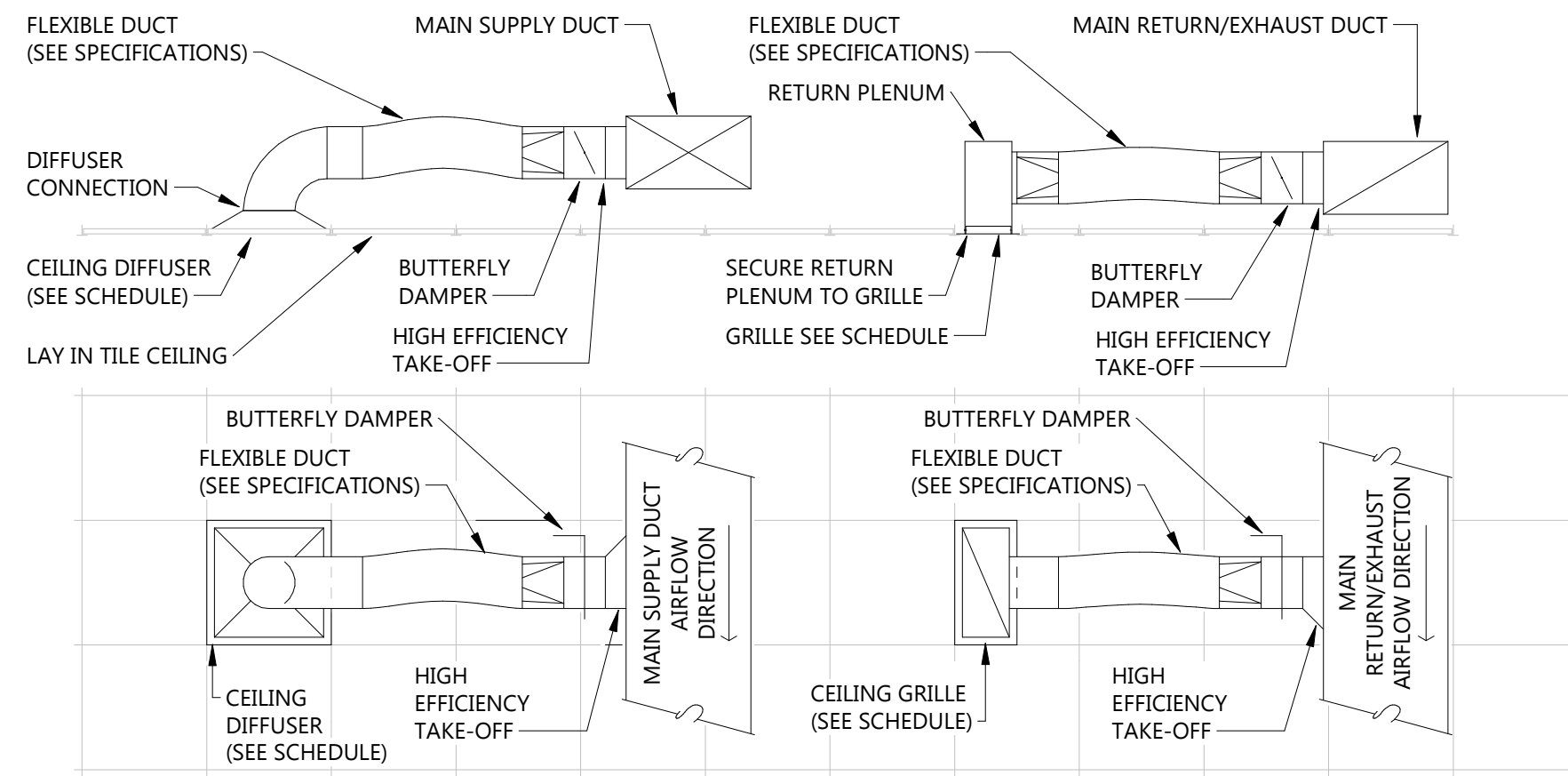
2 DUCT DETAILS
NOT TO SCALE



SQUARE DUCT ELBOWS



EQUAL SPLIT EQUAL DEPTH



1 TYPICAL DIFFUSER AND GRILLE CONNECTION DETAIL
NOT TO SCALE

Architecture

Interior Design

Engineering

Industrial

TELEPHONE 701.258.3116

116 W. Main Ave., Suite A, Bismarck ND 58501

www.eapc.net

CONSULTANTS

CLIENT
NEW TOWN SCHOOL DISTRICT

PROJECT DESCRIPTION
NEW TOWN GRANDSTANDS

CITY NEW TOWN
STATE ND

ISSUE DATES

CD	CONSTRUCTION DOCUMENTS	08/17/2026
MARK	DESCRIPTION	DATE

PROJECT NO: 20263400
DRAWN BY: BF
CHECKED BY: TC

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DRAWING TITLE
MECHANICAL SCHEDULES

M801

ELECTRICAL LEGEND

ABBREVIATIONS

A	- AMPERES	FO	- FIBER OPTICS	NTS	- NOT TO SCALE
AC	- ABOVE COUNTER	FT	- FEET	OC	- ON CENTER
ACCU	- AIR COOLED CONDENSING UNIT	FUT	- FUTURE	OCPD	- OVERCURRENT PROTECTION DEVICE
AF	- AMP-FUSE	FURN	- FURNISHED	OD	- OUTSIDE DIMENSION, OUTSIDE DIAMETER
AFF	- ABOVE FINISHED FLOOR	FUS	- FUSE, FUSED, FUSIBLE	OH	- OVERHEAD
AFG	- ABOVE FINISHED GRADE	GND	- GROUND	OL	- OUTLET, OVERLOAD
AHJ	- AUTHORITY HAVING JURISDICTION	GARB	- GARBAGE DISPOSAL	OP	- OPERATOR
AHU	- AIR HANDLING UNIT	GC	- GENERAL CONTRACTOR	PC	- PHOTO CONTROL
ALT	- ALTERNATE	GEN	- GENERATOR	Ø, PH	- PHASE
AL	- ALUMINUM	G/GFI	- GROUND FAULT CIRCUIT INTERRUPTOR	P.H.	- PENTHOUSE
AMP	- AMPLIFIER	GFP	- GROUND FAULT PROTECTION	PNL	- PANEL, PANELBOARD
ANN	- ANNUNCIATOR	HD	- HEAVY DUTY	PR	- PAIR
ARCH	- ARCHITECT(URAL)	HID	- HIGH INTENSITY DISCHARGE	PRJ	- PRIMARY
ATS	- AUTOMATIC TRANSFER SWITCH	HP	- HORSE POWER	PRO	- PROJECTOR
AV	- AUDIO VISUAL	HPS	- HIGH PRESSURE SODIUM	PRV	- POWER ROOF VENT
AUX	- AUXILIARY	HOA	- HAND-OFF-AUTO	PS	- POWER SUPPLY
BFG	- BELOW FINISHED GRADE	HT	- HEIGHT	QTY	- QUANTITY
BK	- BLACK	HTR	- HEATER	REC	- RECESSED
BKR	- BREAKER	HVU	- HEATING & VENTILATING UNIT	RCVR	- RECEIVER
BR	- BRANCH	HW	- HOT WATER	RECEPT	- RECEPTACLE
BTU	- BRITISH THERMAL UNIT	HWB	- HOT WATER HEATER	REF	- REFERENCE, REFER TO
CAB	- CABINET	ID	- INSIDE DIMENSION	REQ	- REQUIRE OR REQ REQUIRED
CALC	- CALCULATION	IDF	- INTERMEDIATE DISTRIBUTION FRAME	REV	- REVISION
CAT	- CATALOG	IN	- INCHES	REX	- REQUEST TO EXIT
CB	- CIRCUIT BREAKER	INB/OUT	- INBOARD/OUTBOARD	RLA	- RUNNING LOAD AMPS
CCT	- CIRCUIT	INCAND	- INBOARD/OUTBOARD	RM	- ROOM
CFL	- COMPACT FLUORESCENT LIGHT	INFO	- INFORMATION	RTU	- ROOF TOP UNIT
CKT	- CIRCUIT	INST	- INSTALLATION	SC	- SHORT CIRCUIT
CLG/C	- CEILING	INSUL	- INSULATION	SF	- SQUARE FEET
COMM	- COMMUNICATIONS	INV	- INVERTER	SHT	- SHEET
COMP	- COMPRESSOR	JB	- JUNCTION BOX	SD	- SMOKE DAMPER
CONN	- CONDUCTOR	KA	- THOUSAND AMPS	SP	- SUMP PUMP
CONN	- CONNECTOR	KS	- KNEE SPACE	SPEC	- SPECIFICATION
CR	- CARD READER	L	- LAMP	SS	- STAINLESS STEEL
CT	- CURRENT TRANSFORMER	LCP	- LIGHTING CONTROL PANEL	STD	- STANDARD
CTR	- CENTER	LRA	- LOCKED ROTOR AMPS	SURF	- SURFACE MOUNT
CU	- COPPER	LTG	- LIGHTING	SW	- SWITCH
CUH	- CABINET UNIT HEATER	LTS	- LIGHTS	SWBD	- SWITCHBOARD
dB	- DECIBEL	LV	- LOW VOLTAGE	SYS	- SYSTEM
DED	- DEDICATED CIRCUIT	M.MAINT	- MAINTENANCE	TCC	- TEMPERATURE CONTROL CONTRACTOR
DEV	- DEVICE	MAU	- MAKE UP AIR UNIT	TCP	- TEMPERATURE CONTROL PANEL
DIA	- DIAMETER	MAX	- MAXIMUM	TD	- TIME DELAY
DISC	- DISCONNECT	MC	- MECHANICAL CONTACTOR	TEL	- TELEPHONE
DISP	- DISPOSAL	MCA	- MINIMUM CIRCUIT AMPS	TEMP	- TEMPORARY, TEMPERATURE
DISTR	- DISTRIBUTION	MCB	- MAIN CIRCUIT BREAKER	TP	- TAMPERPROOF
DN	- DOWN	MCC	- MOTOR CONTROL CENTER	TS	- TIME SWITCH
DTL	- DETAIL	MDF	- MAIN DISTRIBUTION FRAME	TSTAT	- THERMOSTAT
DWG	- DRAWING	MDP	- MAIN DISTRIBUTION PANEL	TV	- TELEVISION
EC	- ELECTRICAL CONTRACTOR	MIC	- MICROWAVE	TVSS	- TRANSIENT VOLTAGE SURGE SUPPRESSOR
EF	- EXHAUST FAN	MRF	- MANUFACTURER	TYP	- TYPICAL
EL	- ELECTRICAL, ELECTRIC	MFS	- MAXIMUM FUSE SIZE	UG	- UNDERGROUND
ELEV	- ELEVATOR OR ELEVATION	MH	- METAL HALIDE, MOUNTING HEIGHT, MANHOLE	UH	- UNIT HEATER
EM	- EMERGENCY	MIN	- MINIMUM	UNO	- UNLESS NOTED OTHERWISE
EQ	- EQUAL, EQUIPMENT	MLO	- MAIN LUGS ONLY	UNV	- UNIVERSAL
ERU	- ENERGY RECOVERY UNIT	MOP	- MAXIMUM OVERCURRENT PROTECTION	UTIL	- UTILITY
EUH	- ELECTRIC UNIT HEATER	MSB	- MAIN SWITCHBOARD	UTP	- UNSHIELDED TWISTED PAIR
EW	- ELECTRIC WATER COOLER	MATL	- MATERIAL	V	- VOLT
EWB	- ELECTRIC WATER HEATER	MTR	- MOTOR OR METER	VA	- VOLT-AMPS
EX	- EXITING	N	- NEUTRAL	VAV	- VAV BOX
EXH	- EXHAUST	NA	- NOT APPLICABLE	VERT	- VERTICAT
EXPL	- EXPLOSION PROOF	NC	- NORMALLY CLOSED	VFD	- VARIABLE FREQUENCY DRIVE
F	- FUSE OR FRONT	NEC	- NATIONAL ELECTRICAL CODE	WG	- WIRE GUARD
*F	- DEGREES FARENHEIT	NF	- NON FUSED	WC	- WATER CLOSET
FD	- FIRE DAMPER	NIC	- NOT IN CONTRACT	WH	- WATER HEATER
FIXT	- FIXTURE, LUMINAIRE	NL	- NIGHT LIGHT	WP	- WEATHER PROOF, NEMA 3R IF ENCLOSED
FLA	- FULL LOAD AMPERES	N.O.	- NORMALLY OPEN	W/	- WITH
FL	- FLOOR	NORM	- NORMAL(LY)	W/O	- WITHOUT
				XFMR	- TRANSFORMER

NOTE: NOT ALL ABBREVIATIONS MAY BE USED ON THIS PROJECT

POWER

RECEPTACLES

	DUPLEX RECEPTACLE - 20A, 125V
	ISOLATED GROUND
	SINGLE RECEPTACLE
	DOUBLE DUPLEX RECEPTACLE-20A, 125V
	HALF-SWITCHED RECEPTACLE-20A, 120V
	SPECIAL RECEPTACLE
	BOX SURROUNDING DEVICE DEPICTS FLOOR MOUNTED
	EMERGENCY DUPLEX - 20A, 120V
	EMERGENCY DOUBLE DUPLEX -20A, 120V
	DEAD FRONT GFCI DEVICE
SUB= SUBSCRIPT AS FOLLOWS:	
	AC-ABOVE COUNTER
	CLG-CEILING OUTLET
	EM-EMERGENCY
	EWC-ELECTRIC WATER COOLER
	F-FLOOR
	G-GROUND FAULT INTERRUPTER
	H-HORIZONTALLY MOUNTED
	P-PLUG MOLD
	S-SURFACE MOUNTED
	SS-SURGE SUPPRESSION RECEPTACLE
	TP-TAMPER PROOF
	U-RECEPTACLE WITH USB TYPE A & C CONNECTOR
	W-WELDING RECEPTACLE
	WP-WEATHERPROOF
	XP-EXPLOSION PROOF
	10-NUMBER INDICATES CIRCUIT NUMBER
	-WALL MOUNTED HEIGHTS UNLESS NOTED OTHERWISE

JUNCTION BOXES

	JUNCTION BOX
	FLOOR MOUNTED JUNCTION BOX
	LARGE JUNCTION BOX
	HAND DRYER

MOTORS & HVAC EQUIPMENT & CONTROLS

	MOTOR-# INDICATES MOTOR NUMBER
SMALL MOTOR-XX LETTERS INDICATE SERVICE SUB AS FOLLOWS:	
	EF-BATHROOM EXHAUST FAN
	GD-GARBAGE DISPOSAL
	HD-HAND DRYER
	MANUAL MOTOR STARTER
	MANUAL MOTOR DISCONNECT W/THERMAL PROTECTION
	MAGNETIC MOTOR STARTER
	STARTER/DISCONNECT COMBINATION UNIT
	DISCONNECT SWITCH
	TEMPERATURE CONTROL PANEL
	THERMOSTAT
	RELAY
	MAGNETIC CONTACTOR
	EMERGENCY SHUNT TRIP

PANELS/EQUIPMENT

	MAIN DISTRIBUTION PANEL
	FLUSH MOUNTED PANELBOARD
	SURFACE MOUNTED PANELBOARD
	DRY TRANSFORMER
	MOTOR CONTROL CENTER
	METER
	ELECTRIC HEATER/REHEATER
	BACK BOX FOR FUTURE WIRING DEVICE

RACEWAY

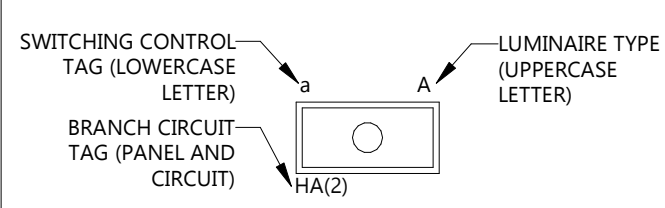
	HOMERUN-TEXT DESIGNATES PANEL AND CIRCUIT BREAKER NUMBER. HASH MARKS INDICATE NUMBER OF #12 AWG CONDUCTORS IN A 3/4" CONDUIT. NO HASH MARKS INDICATE 2 #12 AWG IN A 3/4" CONDUIT UNLESS NOTED OTHERWISE. PROVIDE A CODE SIZED GROUND IN EACH CONDUIT.
	SURFACE RACEWAY - RECEPTACLES
	SURFACE RACEWAY - DATA/TELEPHONE
	CONDUIT STUB
	CONDUIT UP
	CONDUIT DOWN
	EXPLOSION PROOF SEAL OFF
	FLEX CONDUIT
	CONDUIT/BRANCH CIRCUIT
	CABLE TRAY

ELECTRICAL MOUNTING HEIGHT NOTES:

- HEIGHTS SHOWN ARE TYPICAL TO BOTTOM OF DEVICE UNLESS NOTED OTHERWISE.
- MOUNTING HEIGHTS SHOWN ON ARCHITECTURAL ELEVATIONS SHALL GOVERN OVER ALL ELEVATIONS SHOWN OR INDICATED ON ELECTRICAL DRAWINGS.
- INSTALL FIRE ALARM NOTIFICATION APPLIANCES AT 80" AFF, OTHERWISE INSTALL AT 6" BELOW CEILING, WHICH EVER IS LOWER.
- VERIFY EXIT LIGHT HEIGHTS WITH ARCHITECT.
- TYPICAL HEIGHTS SHOWN, HEIGHTS ON PLANS SHALL GOVERN OVER THESE. DEVICES WITH KNOW OBSTRUCTIONS SUCH AS, BUT NOT LIMITED TO COUNTERTOPS & SHELVING MAY REQUIRE A LOWER HEIGHT. VERIFY WITH ARCHITECT/ENGINEER.
- SYMBOLS NOT SHOWN SHALL BE VERIFIED WITH ARCHITECT/ENGINEER.

LIGHTING

LUMINAIRE IDENTIFICATION LEGEND



INTERIOR LIGHTING

ALL LIGHTING FIXTURES ARE IDENTIFIED BY A LETTER(S) COORDINATE WITH LUMINAIRE SCHEDULE AS TO THE FIXTURES, IDENTIFICATION, MANUFACTURER, CATALOG NUMBER, LAMPS, MOUNTING, LOCATION AND COMMENTS.

	RECESSED TROFFER
	RECESSED TROFFER EMERGENCY
	SURFACE MOUNTED LIGHT FIXTURE
	SURFACE MOUNTED LIGHT FIXT EMERGENCY
	RECESSED LED STRIP LIGHT
	RECESSED LED STRIP LIGHT EMERGENCY
	PENDANT MOUNTED
	PENDANT MOUNTED EMERGENCY
	HIGHBAY
	UNDER CABINET
	WALL MOUNTED FIXTURE
	STRIP LIGHT OR INDUSTRIAL FIXTURE
	RECESSED DOWN LIGHT EMERGENCY
	RECESSED DOWN LIGHT
	RECESSED DOWN LIGHT WALL WASH
	WALL MOUNTED FIXTURE
	WALL MOUNTED FIXTURE EMERGENCY
	RECESSED WALL
	SURFACE MOUNTED LIGHT EMERGENCY
	SURFACE MOUNTED LIGHT FIXTURE
	PENDANT MOUNT FIXTURE

EXIT - EMERGENCY

	WALL MOUNTED EXIT LIGHT
	CEILING MOUNTED EXIT LIGHT
	SURFACE MOUNTED EMERGENCY LIGHT
	RECESSED EMERGENCY LIGHT
	REMOTE HEAD FOR EMERGENCY FIXTURE
	COMBINATION EXIT/EMERGENCY

SPECIAL LIGHTING

	TRACK LIGHTING
	COMBINATION FAN/LIGHT

EXTERIOR/SITE

	POLE WITH LIGHT FIXTURE(S) FIXTURE SHOWN DEFINE QUANTITY AND ORIENTATION
	POST TOP FIXTURE
	BOLLARD
	SPOT LIGHT
	FLOOD LIGHT

LIGHTING CONTROL

	SINGLE POLE SWITCH, 120V, 20A SUB= SUBSCRIPT AS FOLLOWS:
	NONE-SINGLE-POLE, 120V, 20A
	2-TWO-POLE, 120V, 20A
	3-THREE-WAY, 120V, 20A
	4-FOUR-WAY, 120V, 20A
	F-FUSED
	K-KEYED TYPE
	L-LIGHTED TOGGLE
	LV-LOW VOLTAGE
	P-SWITCH W/PILOT LIGHT
	T-TIMER
	WP-WEATHERPROOF
	WF-WEATHERPROOF FUSED SWITCH
	LINE VOLTAGE DIMMER
	CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR
	DAYLIGHT SENSOR
	CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR
	WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR WITH INTEGRAL DIMMING
	WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR WITH ON/OFF SWITCH
	DIGITAL SWITCH (CAT6)
	DIGITAL DIMMER (CAT6)
	WALL MOUNTED MULTI-BUTTON SWITCH, # TO INDICATE QUANTITY OF BUTTONS (CAT6)
	TOUCH SCREEN (CAT6)
	DIGITAL CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR (CAT6)
	DIGITAL NETWORK BRIDGE TIE TO DIGITAL LIGHTING CONTROL SYSTEM (CAT6)
	PARTITION SENSOR EMITTER AND RECEIVER
	DIGITAL UL 924 DEVICE (CAT6)
	DIGITAL DAYLIGHT SENSOR
	DIGITAL DIMMING ROOM CONTROLLER, # INDICATES QUANTITY OF RELAYS (CAT6)
	PLUG LOAD CONTROLLER (CAT6)
	POWER PACK
	RGB DMX TOUCHSCREEN CONTROLLER
	OUTDOOR PHOTO SENSOR

SYSTEMS

TELEPHONE/DATA

	DATA SUB= SUBSCRIPT AS FOLLOWS: #-INDICATES NUMBER OF OUTLETS
	DATA/VOICE OUTLET SUB= SUBSCRIPT AS FOLLOWS: #/AV-INDICATES # & TYPE OF OUTLETS
	DATA/VOICE/QUADPLEX FLOOR BOX
	DATA/VOICE/DUPLEX FLOOR BOX
	DATA OUTLET CEILING
	DATA OUTLET FLOOR BOX
	DATA/VOICE OUTLET FLOOR BOX
	VOICE OUTLET SUB= SUBSCRIPT AS FOLLOWS: M-VOICE OUTLET/MULTI P-VOICE OUTLET/PUBLIC W-VOICE OUTLET/WALL
	WIRELESS ACCESS POINT
	TERMINAL CABINET
	DIGITAL COMMUNICATIONS PATCH PANEL
	VOICE/ATA/VIDEO
	TELEPHONE TERMINAL BLOCK
	UTILITY DEMARK
	3/4" PLYWOOD BACKBOARD W/ 2 COATS RETARDANT
	EQUIPMENT RACK - FREE STANDING
	EQUIPMENT RACK - WALL MOUNTED

PAGING/SOUND/DATA/SURVEILLANCE

	SPEAKER - CEILING MOUNTED
	SPEAKER - WALL MOUNTED
	H-HORN SPEAKER
	N-NURSE CALL
	P-SPEAKER WITH PUSHBUTTON
	W-WIREGUARD
	WP-WEATHERPROOF
	SOUND MASKING SYSTEM EMITTER
	MASTER INTERCOM AND DIRECTORY UNIT
	MICROPHONE OUTLET
	VOLUME CONTROL
	INTERCOM HANDSET
	SUB= SUBSCRIPT AS FOLLOWS: W-WALL MOUNTED
	DM-DESK MOUNTED
	M-MASTER
	MD-MASTER DESK MOUNT
	W-WALL MOUNTED
	AUXILIARY INPUT SUB= SUBSCRIPT AS FOLLOWS: I-INPUT O-OUTPUT
	VIDEO OUTLET
	SOUND SYS. PATCH PNL
	TELEVISION OUTLET

DOOR SECURITY/SECURITY EXIT

	PUSHBUTTON
	HAND STATION (NORMALLY PUSH BUTTONS)
	BELL SUB= SUBSCRIPT AS FOLLOWS: B-BUZZER D-DOOR CHIME/BELL E-ELEVATOR CHIME P-PROGRAM BELL
	DOOR OPENER
	DOOR KEYPAD
	FINGER PRINT SCANNER
	ELECTRIC STRIKE DOOR LATCH
	MOTION DETECTOR
	BREAK GLASS DETECTOR
	SECURITY CAMERA SUB= SUBSCRIPT AS FOLLOWS: HS-HIGH SECURITY PTZ-PAN TILT ZOOM WP-WEATHERPROOF
	SECURITY CAMERA - WALL MOUNTED
	SECURITY MONITOR
	INTERCOM
	SECURITY DOOR CONTACTS
	CARD READER SUB= SUBSCRIPT AS FOLLOWS: I-INTERCOM WP-WEATHERPROOF
	REQUEST TO EXIT SENSOR
	PANIC BAR
	MAGNETIC LOCK
	CCTV CABLE OUTLET
	WANDER GUARD

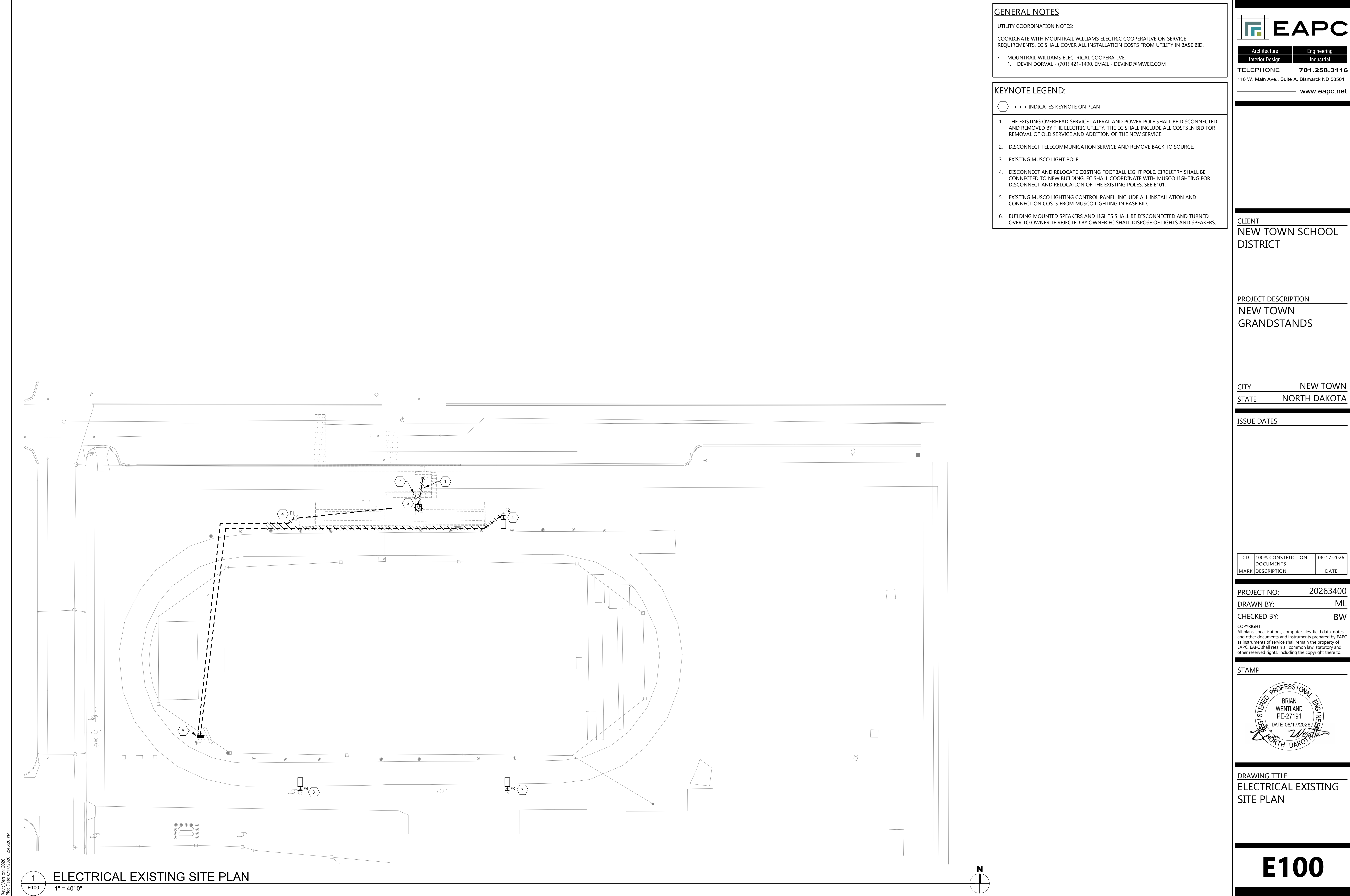
CLOCK/PROGRAM

	WALL MOUNTED CLOCK SUB= SUBSCRIPT AS FOLLOWS: B-WITH BUZZER R-RECESSED WG-WITH WIREGUARD
	MASTER CLOCK
	TIME CLOCK
	CLOCK WITH SPEAKER

SYSTEMS

FIRE ALARM

	FIRE ALARM CONTROL PANEL
	FIRE ALARM ANNUNCIATOR PANEL
	FIRE ALARM AUDIO DEVICE SUB= SUBSCRIPT AS FOLLOWS: WG-WIREGUARD S-SPEAKER
	FIRE ALARM AUDIO/VISUAL SUB= SUBSCRIPT AS FOLLOWS: WG-WIREGUARD MH-MINI-HORN WP-WEATHERPROOF
	MANUAL PULL STATION
	FIRE ALARM VISUAL SUB= SUBSCRIPT AS FOLLOWS: NO SUB-75 CANDELA
	AUTOMATIC SMOKE DETECTOR SUB= SUBSCRIPT AS FOLLOWS: D-IONIZATION L-LOCAL SWITCH LSP-LASER D-DUCT SMOKE DETECTOR W/2 AUX CONTACTS CO-COMBINATION CO DETECTOR SB-SOUNDER BASE
	AUTOMATIC SMOKE DETECTOR-WALL MOUNT
	AUTOMATIC HEAT DETECTOR-CEILING MOUNT
	FIRE ALARM SHUTDOWN RELAY
	NOTIFICATION APPLIANCE CIRCUIT PANEL
	ZONE ADAPTER MODULE
	FIRE ALARM BELL
	TRANSPONDER
	FIRE ALARM JUNCTION BOX
	BEAM DETECTOR SUB= SUBSCRIPT AS FOLLOWS: S-SENDING UNIT R-RECEIVER
	LOW PRESSURE SWITCH
NURSE CALL	
	NURSE CALL MASTER CONSOLE
	NURSES CALL TERMINAL CABINET
	SINGLE PATIENT BED STATION
	DOUBLE PATIENT BED STATION
	FOUR LAMP CORRIDOR LIGHT
	BED INTERFACE



GENERAL NOTES

UTILITY COORDINATION NOTES:

COORDINATE WITH MOUNTRAIL WILLIAMS ELECTRIC COOPERATIVE ON SERVICE REQUIREMENTS. EC SHALL COVER ALL INSTALLATION COSTS FROM UTILITY IN BASE BID.

• MOUNTRAIL WILLIAMS ELECTRICAL COOPERATIVE:
1. DEVIN DORVAL - (701) 421-1490, EMAIL - DEVIND@MWEC.COM

KEYNOTE LEGEND:

< < < INDICATES KEYNOTE ON PLAN

1. THE EXISTING OVERHEAD SERVICE LATERAL AND POWER POLE SHALL BE DISCONNECTED AND REMOVED BY THE ELECTRIC UTILITY. THE EC SHALL INCLUDE ALL COSTS IN BID FOR REMOVAL OF OLD SERVICE AND ADDITION OF THE NEW SERVICE.

2. DISCONNECT TELECOMMUNICATION SERVICE AND REMOVE BACK TO SOURCE.

3. EXISTING MUSCO LIGHT POLE.

4. DISCONNECT AND RELOCATE EXISTING FOOTBALL LIGHT POLE. CIRCUITRY SHALL BE CONNECTED TO NEW BUILDING. EC SHALL COORDINATE WITH MUSCO LIGHTING FOR DISCONNECT AND RELOCATION OF THE EXISTING POLES. SEE E101.

5. EXISTING MUSCO LIGHTING CONTROL PANEL. INCLUDE ALL INSTALLATION AND CONNECTION COSTS FROM MUSCO LIGHTING IN BASE BID.

6. BUILDING MOUNTED SPEAKERS AND LIGHTS SHALL BE DISCONNECTED AND TURNED OVER TO OWNER. IF REJECTED BY OWNER EC SHALL DISPOSE OF LIGHTS AND SPEAKERS.

EAPC

Architecture
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Engineering
Industrial

TELEPHONE 701.258.3116
116 W. Main Ave., Suite A, Bismarck ND 58501
www.eapc.net

CLIENT

NEW TOWN SCHOOL DISTRICT

PROJECT DESCRIPTION

NEW TOWN GRANDSTANDS

CITY NEW TOWN
STATE NORTH DAKOTA

ISSUE DATES

CD	100% CONSTRUCTION DOCUMENTS	08-17-2026
MARK	DESCRIPTION	DATE

PROJECT NO: 20263400
DRAWN BY: ML
CHECKED BY: BW

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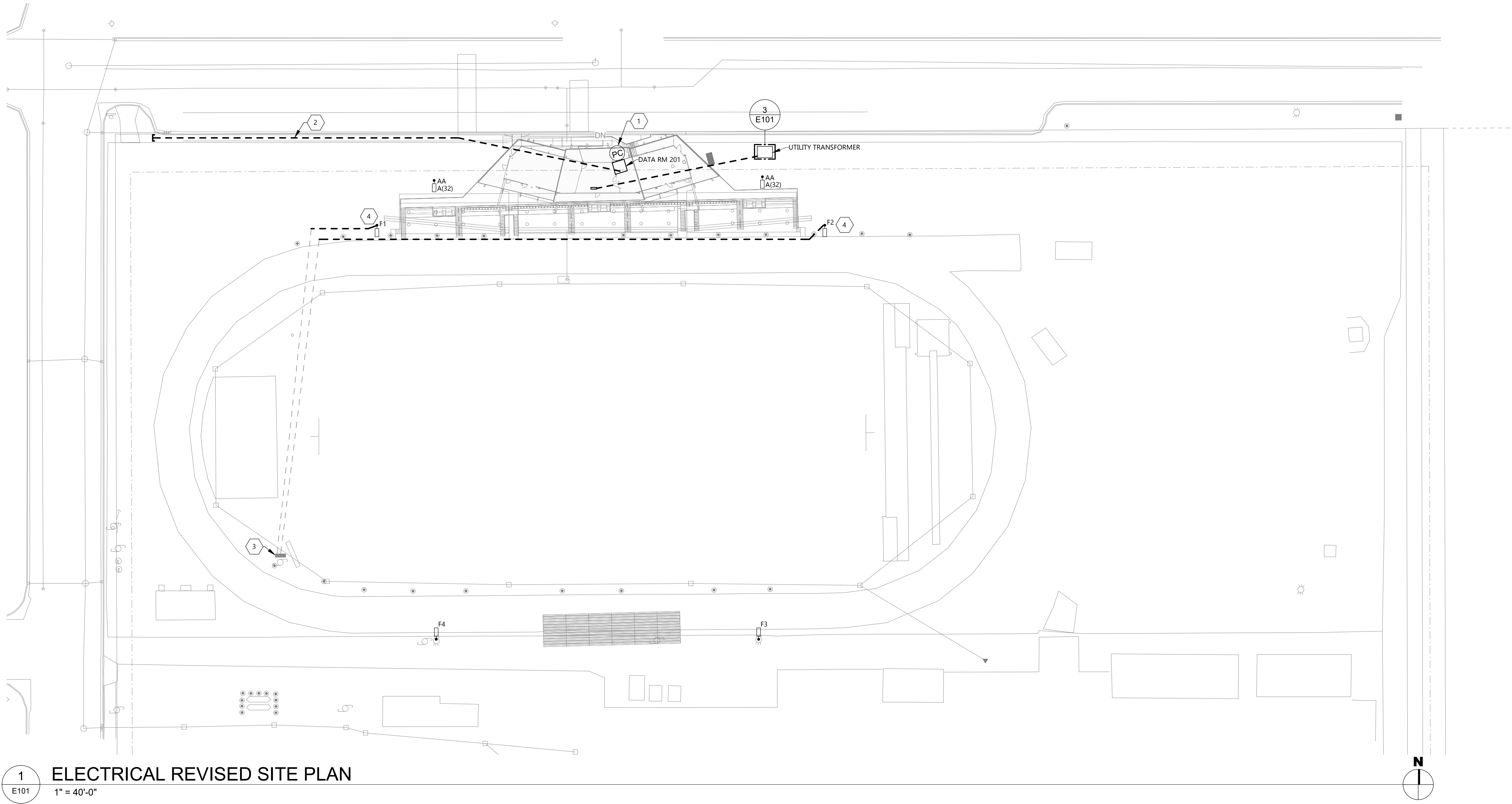


DRAWING TITLE

ELECTRICAL EXISTING SITE PLAN

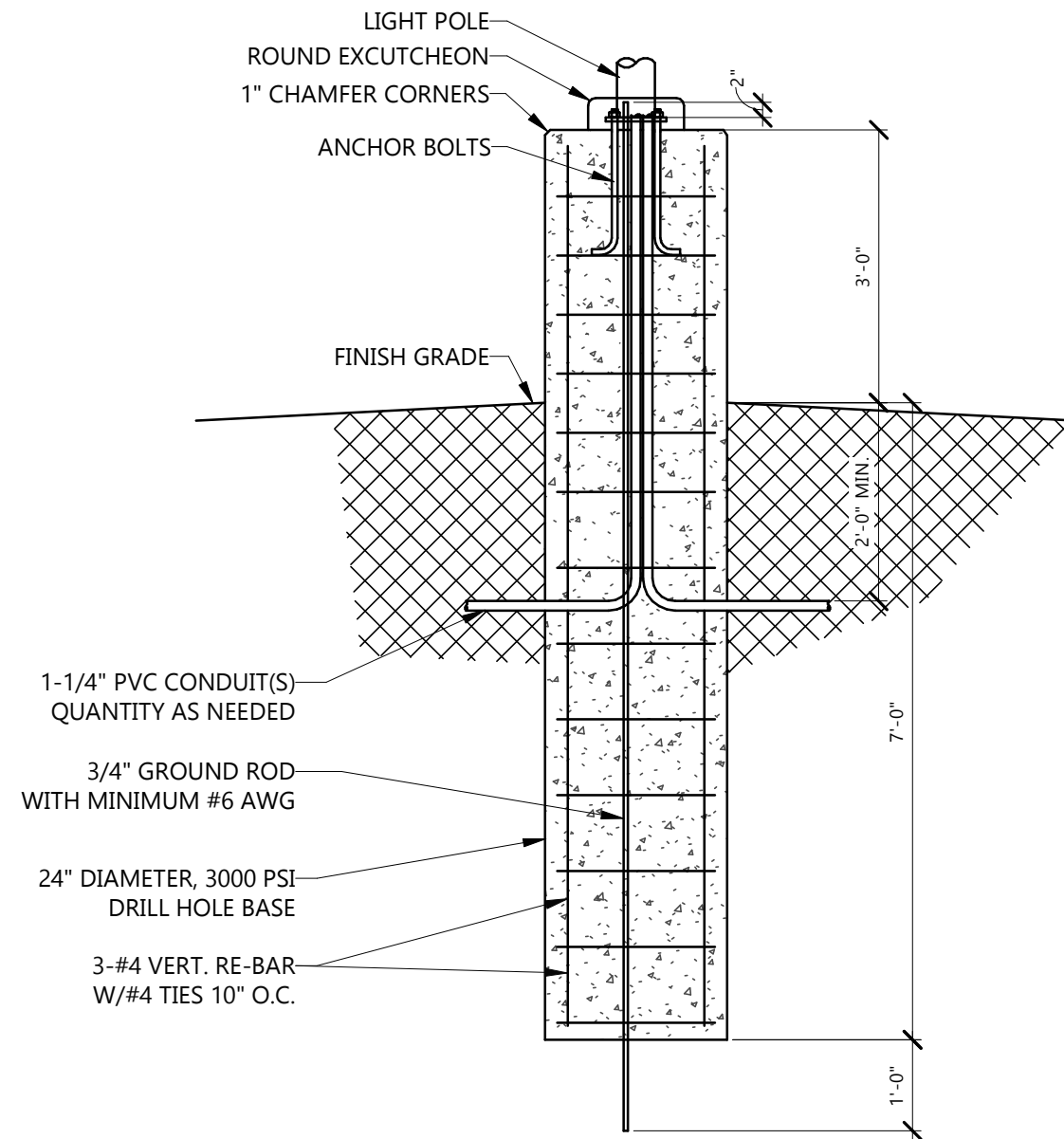
E100

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Pct Date: 8/17/2026 12:46:20 PM

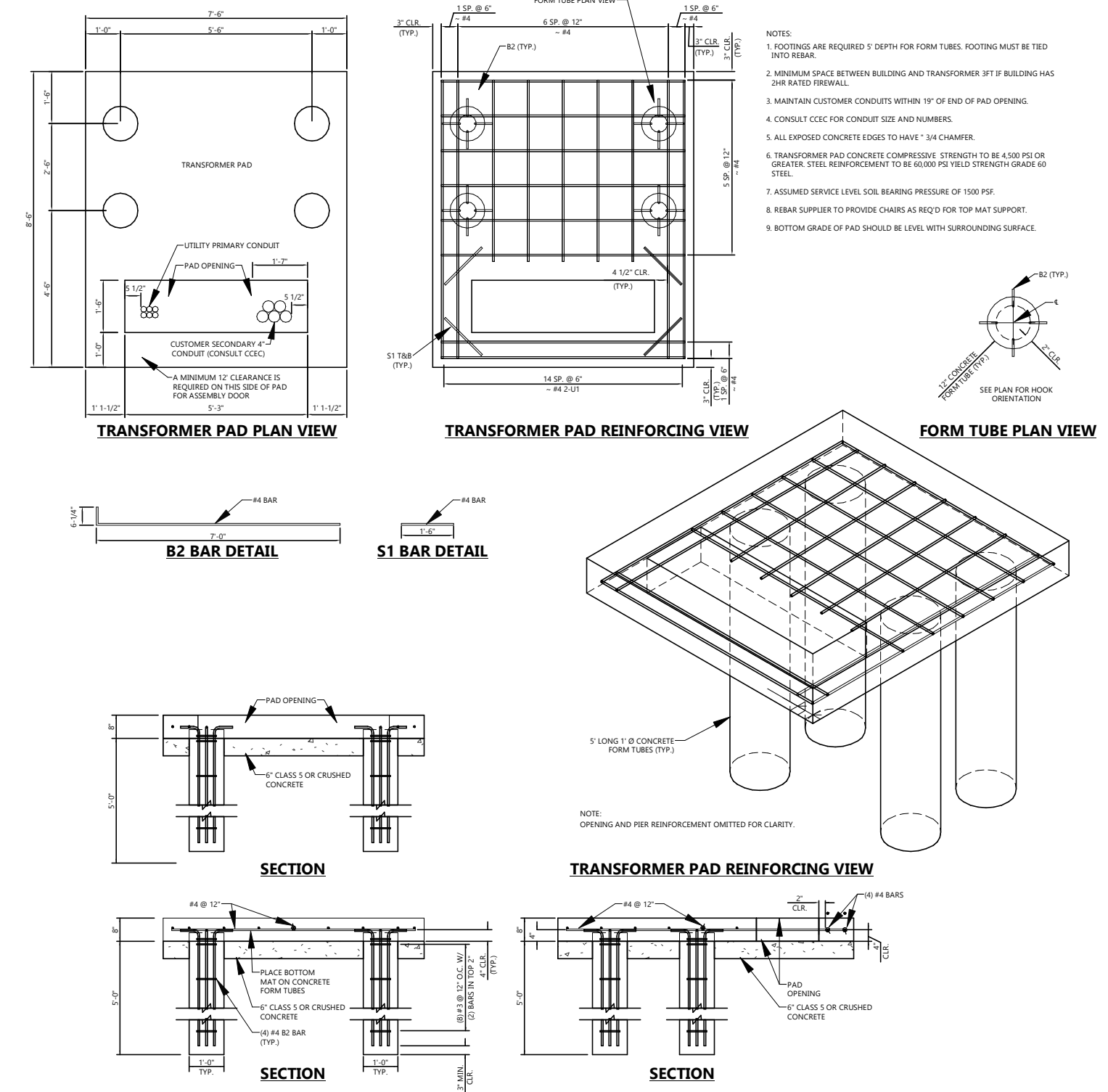


1
E101
ELECTRICAL REVISED SITE PLAN
1" = 40'-0"

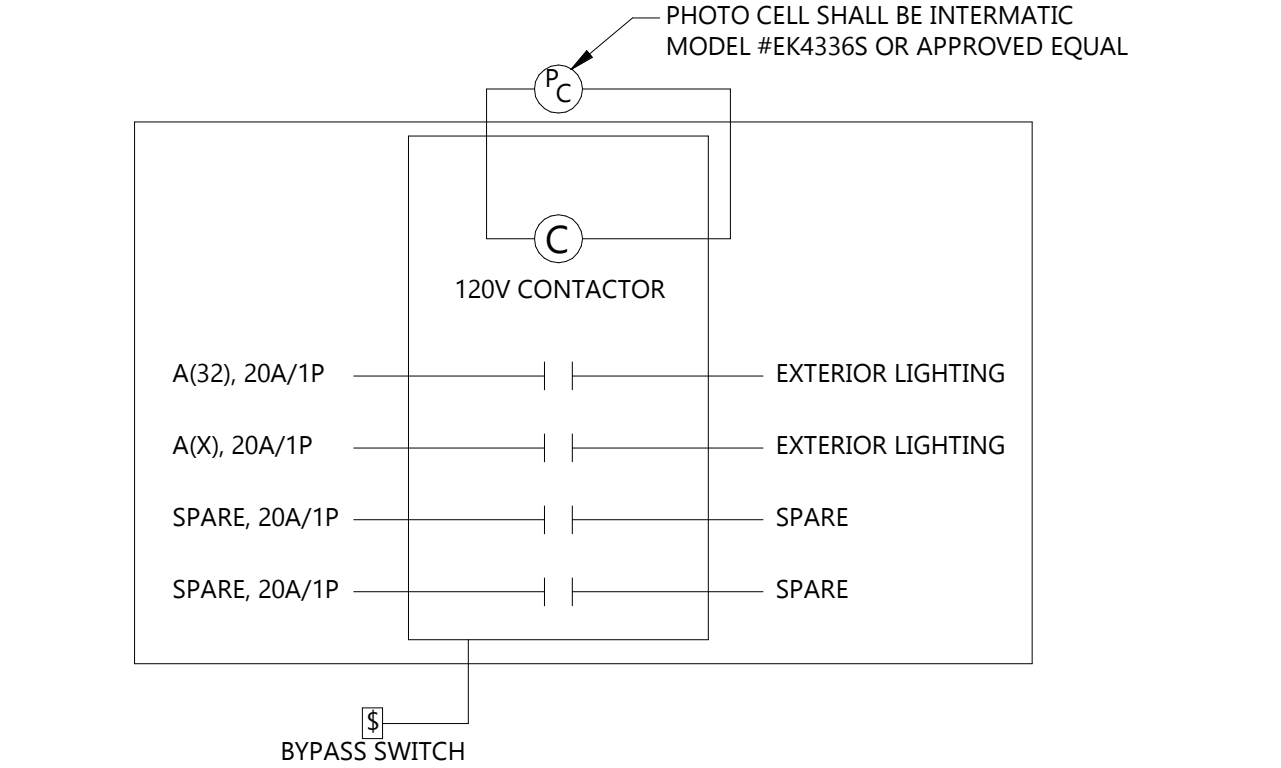
4
E101
LIGHT POLE BASE DETAIL
NOT TO SCALE



3
E101
TRANSFORMER PAD DETAIL
NOT TO SCALE



2
E101
EXTERIOR LIGHTING CONTROL DETAIL
NOT TO SCALE



GENERAL NOTES

UTILITY COORDINATION NOTES:

COORDINATE WITH MOUNTRAIL WILLIAMS ELECTRIC COOPERATIVE ON SERVICE REQUIREMENTS. EC SHALL COVER ALL INSTALLATION COSTS FROM UTILITY IN BASE BID.

- MOUNTRAIL WILLIAMS ELECTRICAL COOPERATIVE:
 - DEVIN DORVAL - (701) 421-1490, EMAIL - DEVIND@MWEC.COM

KEYNOTE LEGEND:

<<< INDICATES KEYNOTE ON PLAN

- PHOTOCELL SHALL BE MOUNTED OFF NORTH SIDE OF ROOF AND CONNECT TO THE LIGHTING CONTACTOR.
- PROVIDE A 2" CONDUIT WITH PULL STRING FROM DATA ROOM 201 TO PROPERTY LINE FOR INSTALLATION OF NEW TELECOMMUNICATIONS SERVICE.
- EXISTING MUSCO LIGHTING CONTROL PANEL. COORDINATE WITH MUSCO ON ALL START UP AND COMMISSIONING REQUIREMENTS. INCLUDE ALL COST IN BASE BID.
- COORDINATE WITH MUSCO LIGHTING FOR ALL ENGINEERING REQUIREMENTS NEEDED FOR RELOCATION OF THE EXISTING POLE ALL COSTS SHALL BE INCLUDED BY EC IN BASE BID. PROVIDE 3#6 + #10G IN 1" C FOR CONNECTION TO EXISTING LIGHTING CIRCUIT.

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CLIENT
NEW TOWN SCHOOL DISTRICT

PROJECT DESCRIPTION
NEW TOWN GRANDSTANDS

CITY **NEW TOWN**
STATE **NORTH DAKOTA**

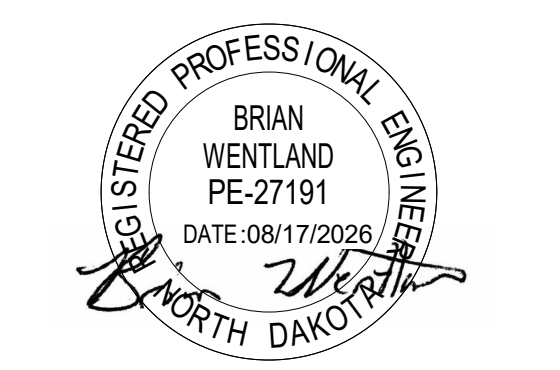
ISSUE DATES

CD	100% CONSTRUCTION DOCUMENTS	08-17-2026
MARK	DESCRIPTION	DATE

PROJECT NO: **20263400**
DRAWN BY: **ML**
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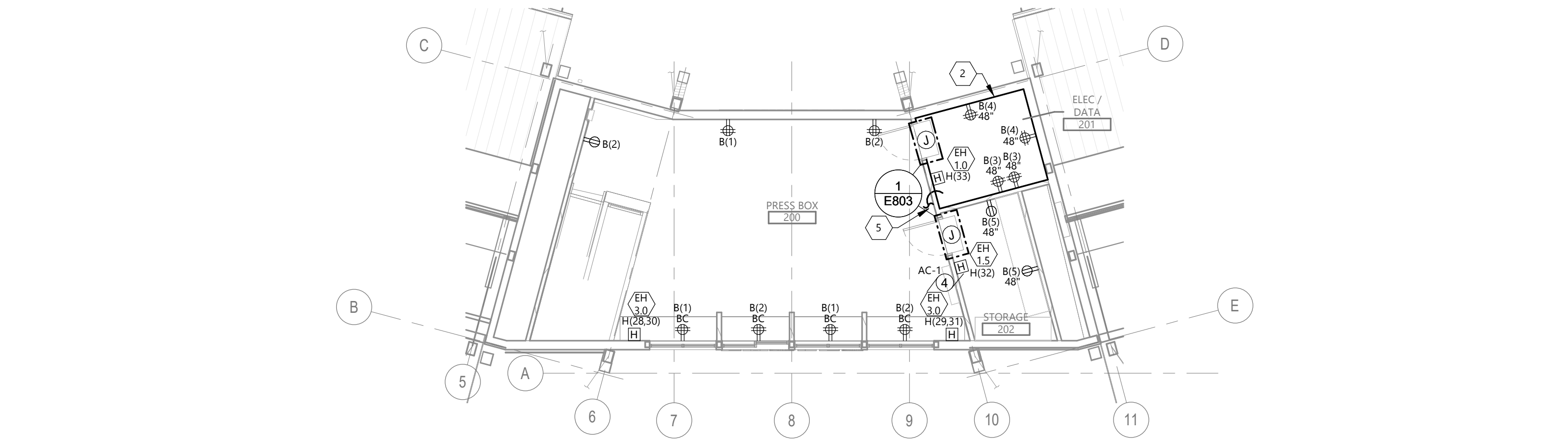
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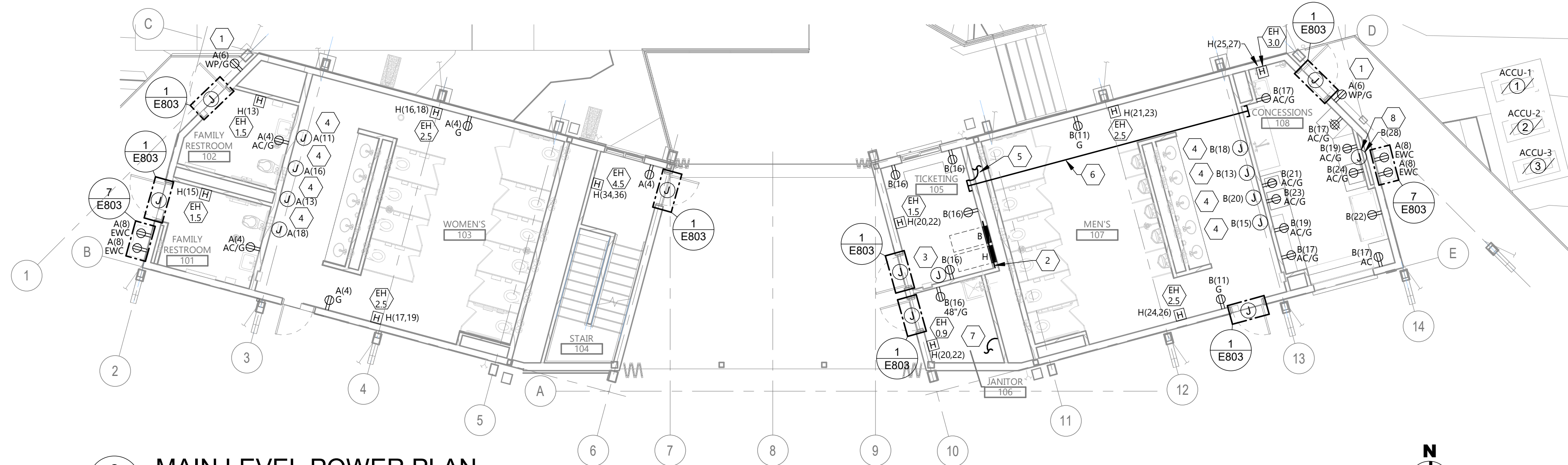


DRAWING TITLE
ELECTRICAL REVISED SITE PLAN

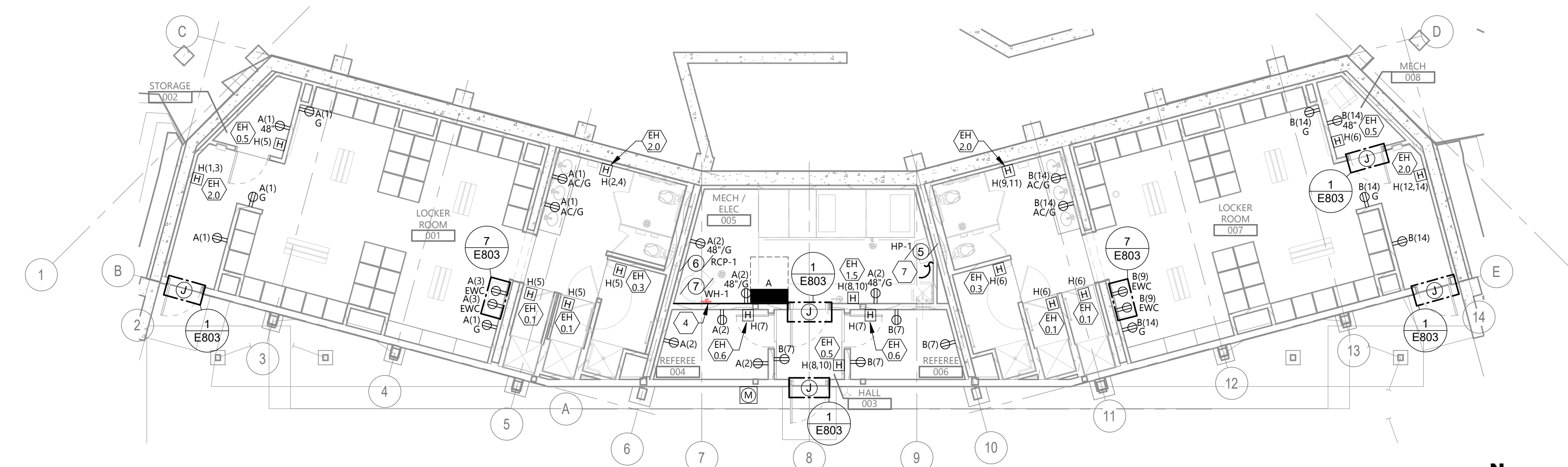
E101



3 PRESS BOX POWER PLAN
E201 1/8" = 1'-0"



2 MAIN LEVEL POWER PLAN
E201 1/8" = 1'-0"



1 LOWER LEVEL POWER PLAN
E201 1/8" = 1'-0"

GENERAL NOTES

- ALL RECEPTACLES IN PUBLIC SPACES SHALL BE TAMPER PROOF.
- LABEL ALL JUNCTION BOXES ABOVE ACCESSIBLE CEILING WITH INDELIBILE INK TO INDICATE PANEL AND CIRCUIT.
- LABEL ALL HOMERUNS WITH INDELIBILE INK TO INDICATE PANEL AND CIRCUIT.
- PROVIDE APPROVED FIRE PROOFING MATERIALS / METHODS FOR CABLE PASSING THROUGH FIRE WALLS AND FLOORS.
- LABEL ALL DEVICES, INCLUDING SWITCHES, TO INDICATE PANEL AND CIRCUIT. USE ADHESIVE MYLAR TAPE.
- PROVIDE #10 CONDUCTORS THROUGHOUT ALL 120V, 20A BRANCH CIRCUIT OF 100'-0" OR GREATER IN LENGTH.
- PROVIDE ALL DEVICES AND ASSOCIATED WIRING AS SHOWN.
- ALL CONDUIT, WIRE, AND BOXES SHALL BE CONCEALED UNLESS NOTED OTHERWISE.
- GFCI RECEPTACLES SHALL ONLY PROTECT THE INDIVIDUAL DEVICE.
- MULTI-BRANCH CIRCUITING SHALL NOT BE ALLOWED UNLESS NOTED OTHERWISE. PROVIDE A SEPARATE NEUTRAL FOR EACH CIRCUIT.
- SEE ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS AND LOCATIONS.

KEYNOTE LEGEND:

- ◡ < < INDICATES KEYNOTE ON PLAN
- PROVIDE A GFCI/WP IN-USE RECEPTACLE OUTLET WITH DIECAST COVER AS MANUFACTURED BY INTERMATIC MODEL WP1250MVXD OR EQUAL.
 - PROVIDE 3/4" GRAY PAINTED, FIRE RETARDANT PLYWOOD FROM FLOOR TO 8' ON WALLS OF ROOM FOR MOUNTING OF EQUIPMENT.
 - PROVIDE 120V CONNECTION TO FIRE ALARM CONTROL PANEL. COORDINATE EXACT LOCATION WITH MC PRIOR TO ROUGH-IN.
 - PROVIDE A DEDICATED 120V CONNECTION FOR THE ELECTRIC HAND DRYER. SEE ARCHITECTURAL ELEVATIONS FOR ROUGH-IN LOCATION.
 - PROVIDE (4) FOUR 1" SPARE CONDUITS BETWEEN TICKETING 105 CEILING SPACE AND ELEC/DATA RM 201. LABEL CONDUITS ACCORDINGLY.
 - PROVIDE (1) ONE 1-1/2", (2) TWO 1", (2) TWO (3/4" SPARE CONDUITS FROM CEILING SPACE OF RM 105 TO CEILING SPACE OF CONCESSIONS 108 FOR FUTURE USE. LABEL CONDUITS ACCORDINGLY.
 - PROVIDE (2) TWO 1-1/2" AND (2) TWO 1" SPARE CONDUITS FROM CEILING SPACE OF MECH/ELEC RM 005 TO CEILING SPACE OF JANITOR RM 106 FOR FUTURE USE. LABEL CONDUITS ACCORDINGLY.
 - PROVIDE HEAT TRACE FOR A 8' LONG 1" PIPE AND A 6' LONG 1-1/2" PIPE EACH WITH 1" OF INSULATION. PROVIDE RAYCHEM SELF REGULATING HEATING CABLE AT 20 WATTS/FT, CONTROLLER, AND ALL CONNECTIONS NEEDED FOR A COMPLETE SYSTEM. PROVIDE A 120V CONNECTION FOR HEAT TRACE CONTROLLER.

CLIENT

NEW TOWN SCHOOL DISTRICT

PROJECT DESCRIPTION

NEW TOWN GRANDSTANDS

CITY

NEW TOWN

STATE

NORTH DAKOTA

ISSUE DATES

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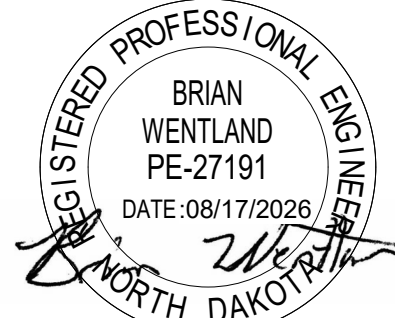
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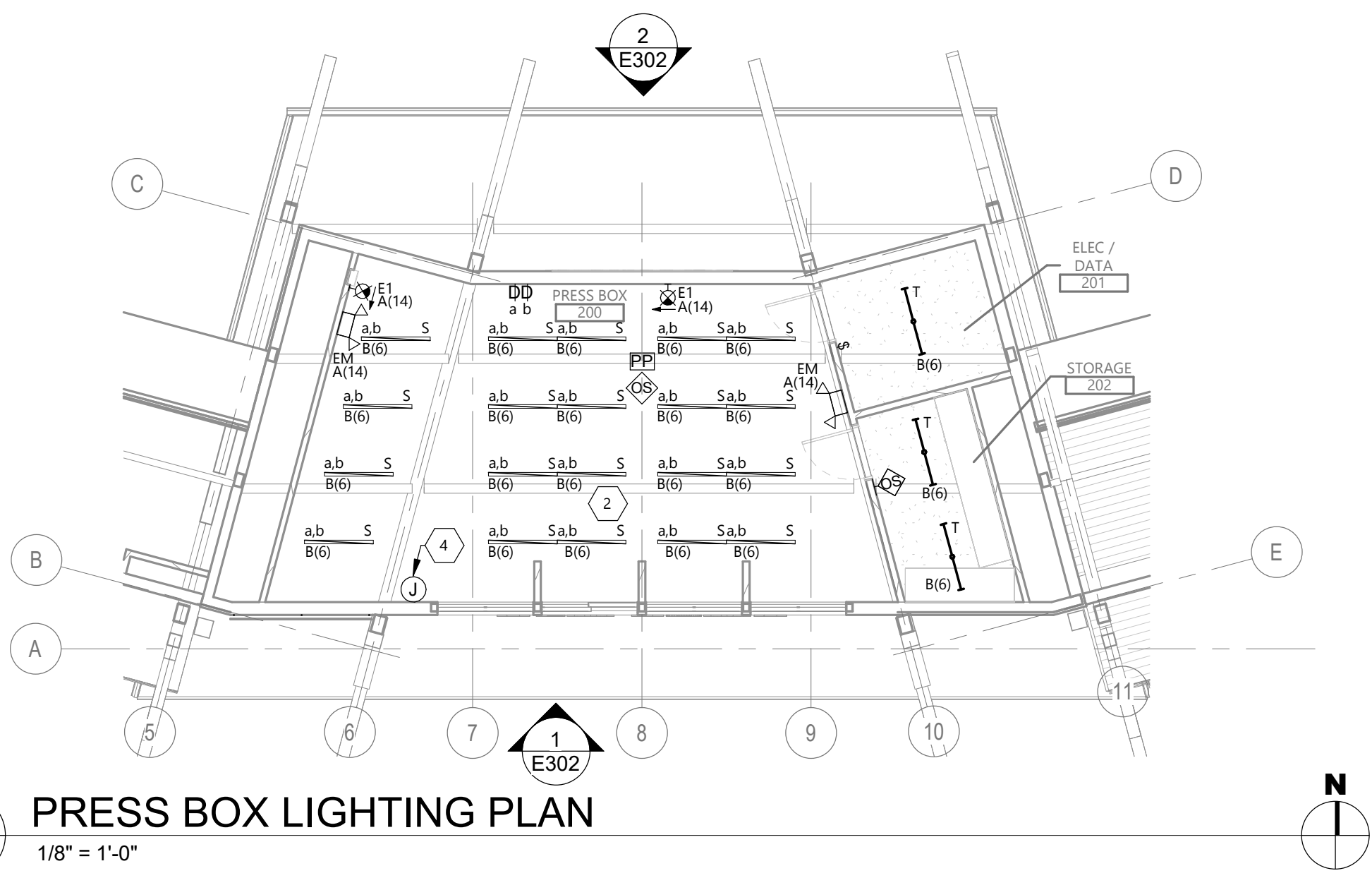


DRAWING TITLE

LOWER, MAIN & PRESS BOX POWER PLANS

E201

RELAY PANEL SCHEDULE: RP-1						
ROOM NUMBER / LOCATION	DESCRIPTION	RELAY	CIRCUIT	CONTROLS	VOLTAGE	NOTE
EXTERIOR	SITE LIGHTING	a	A(7)	DMX CONTROL	120 VOLT	
EXTERIOR	SITE LIGHTING	b	A(7)	DMX CONTROL	120 VOLT	
EXTERIOR	SITE LIGHTING	c	A(9)	DMX CONTROL	120 VOLT	
EXTERIOR	SITE LIGHTING	d	A(7)	DMX CONTROL	120 VOLT	
EXTERIOR	SITE LIGHTING	f	B(12)	DMX CONTROL	120 VOLT	
EXTERIOR	SITE LIGHTING	g	A(9)	DMX CONTROL	120 VOLT	
EXTERIOR	SITE LIGHTING	h	A(27)	DMX CONTROL	120 VOLT	
EXTERIOR	SITE LIGHTING	j	A(29)	DMX CONTROL	120 VOLT	
EXTERIOR	SITE LIGHTING	k	B(26)	DMX CONTROL	120 VOLT	
EXTERIOR	SITE LIGHTING	m	A(10)	DIMMING / PHOTOCELL	120 VOLT	
EXTERIOR	SITE LIGHTING	n	A(10)	DIMMING / PHOTOCELL	120 VOLT	
GENERAL NOTES: 1. PROVIDE A DMX CONTROLLER WITH INSIGHT LIGHTING DIAL OR APPROVED EQUAL SYSTEM SHALL CONTROL ZONES LISTED IN RELAY PANEL SCHEDULE. COORDINATE WITH OWNER ON STARTUP, TRAINING AND COMMISSIONING FROM THE FACTORY REPRESENTATIVE. LIGHTING CONTROL AND COLOR WHEEL SHALL BE ACCESSIBLE FROM A SINGLE PHONE APPLICATION. COORDINATE WITH OWNER ON SETUP OF REQUESTED ZONES.						



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NEW TOWN GRANDSTANDS

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STATENORTH DAKOTA

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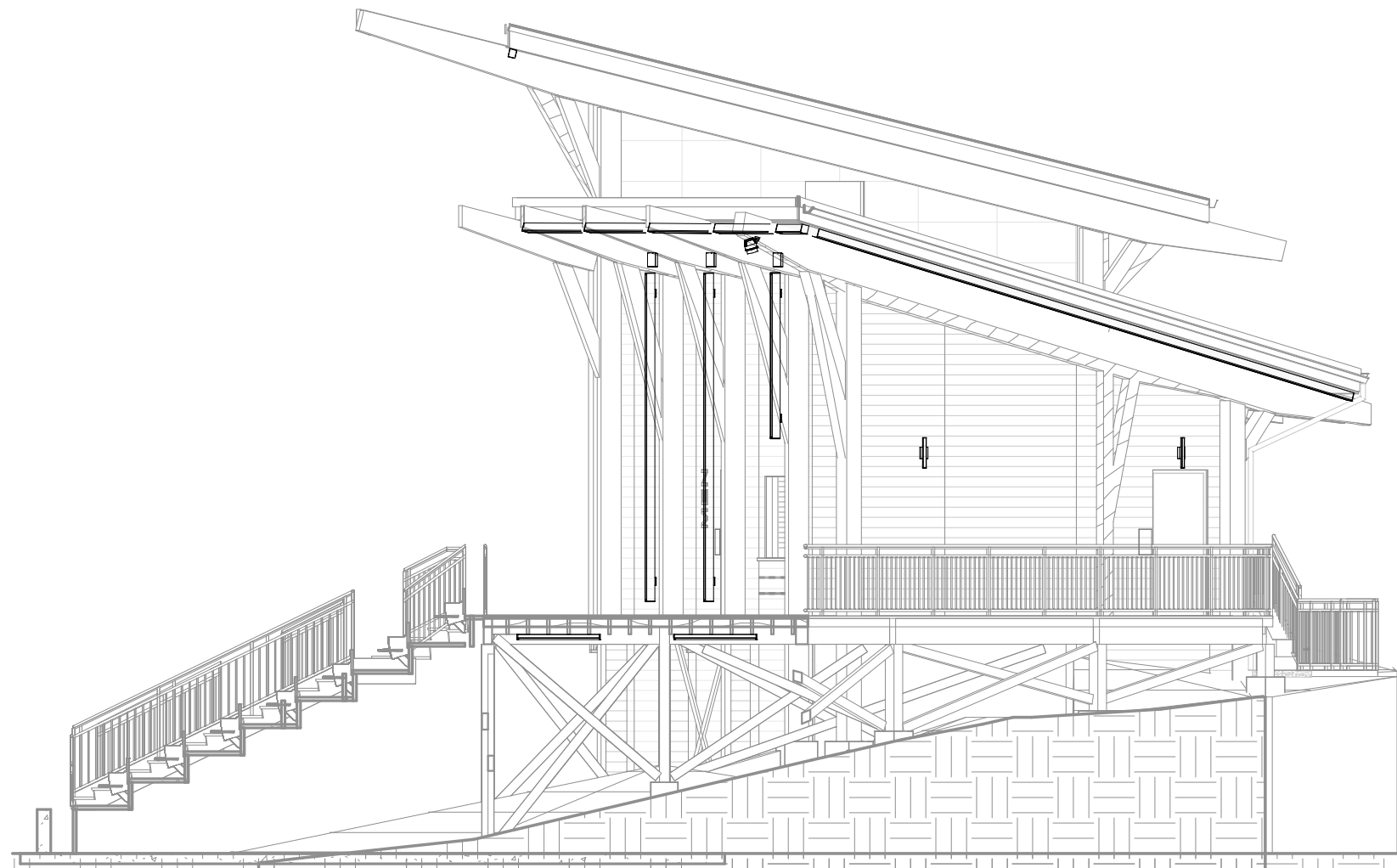
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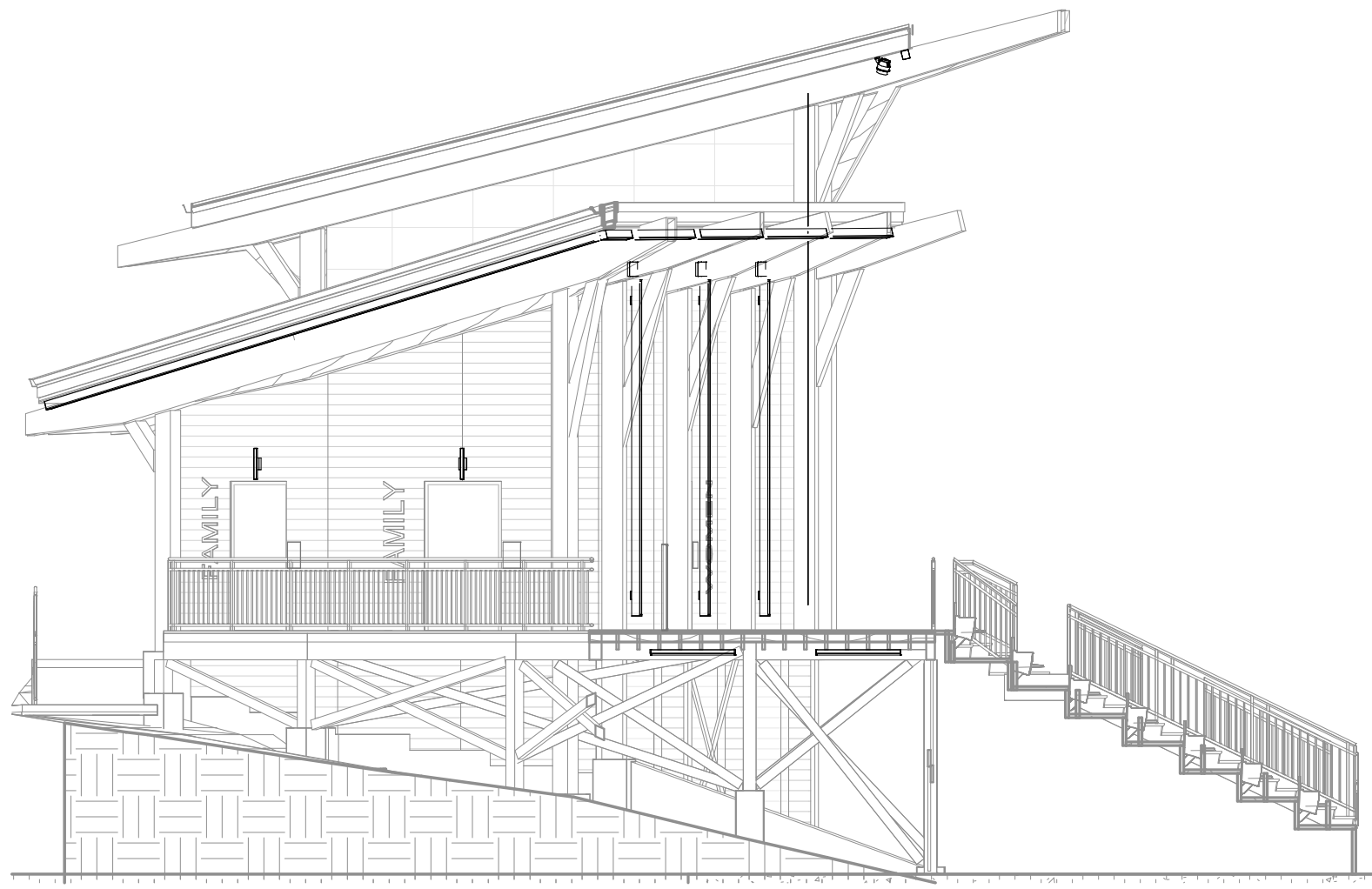


DRAWING TITLE
LOWER. MAIN & PRESS BOX LIGHTING ELEVATIONS

E302



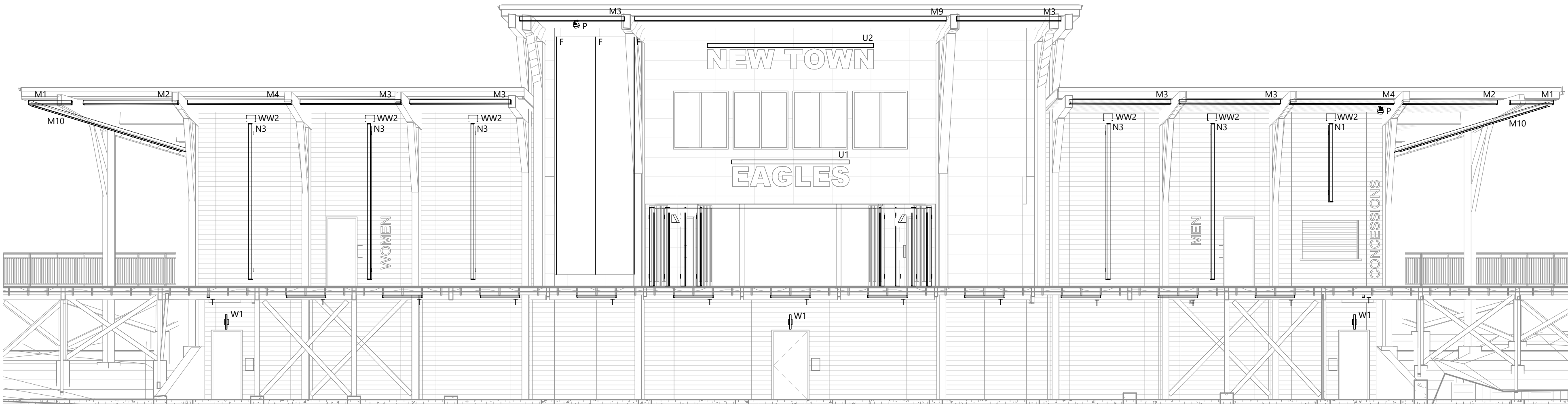
4 EAST OVERALL ELEVATION
E302 1/8" = 1'-0"



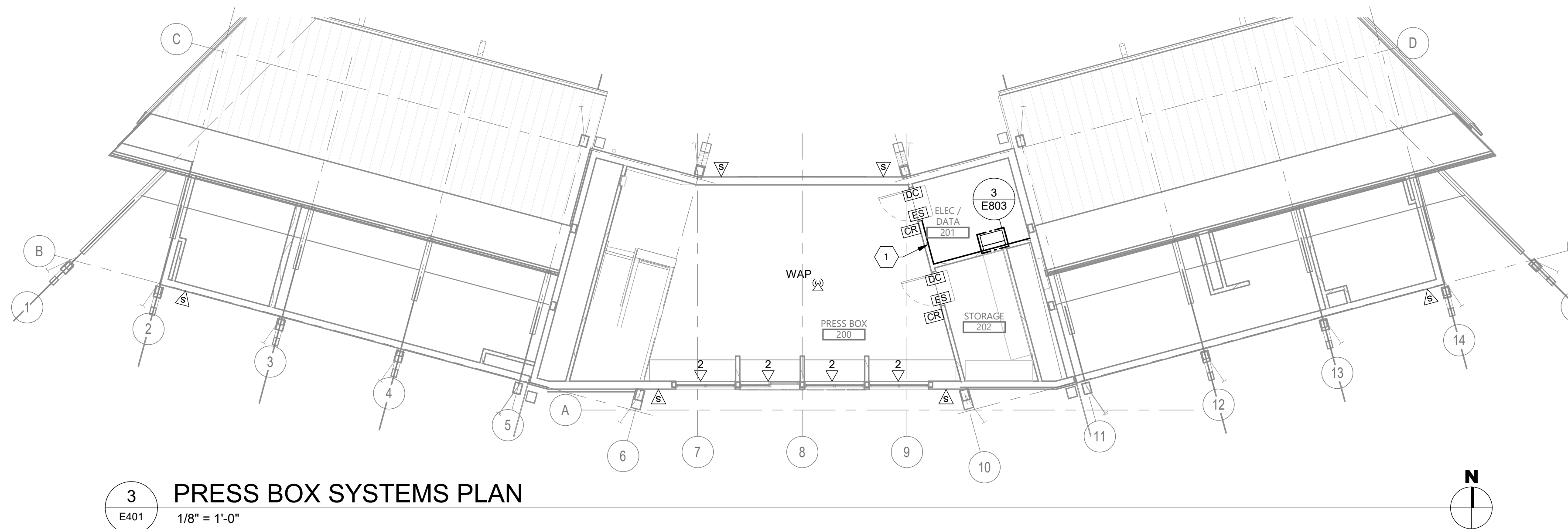
3 WEST OVERALL ELEVATION
E302 1/8" = 1'-0"



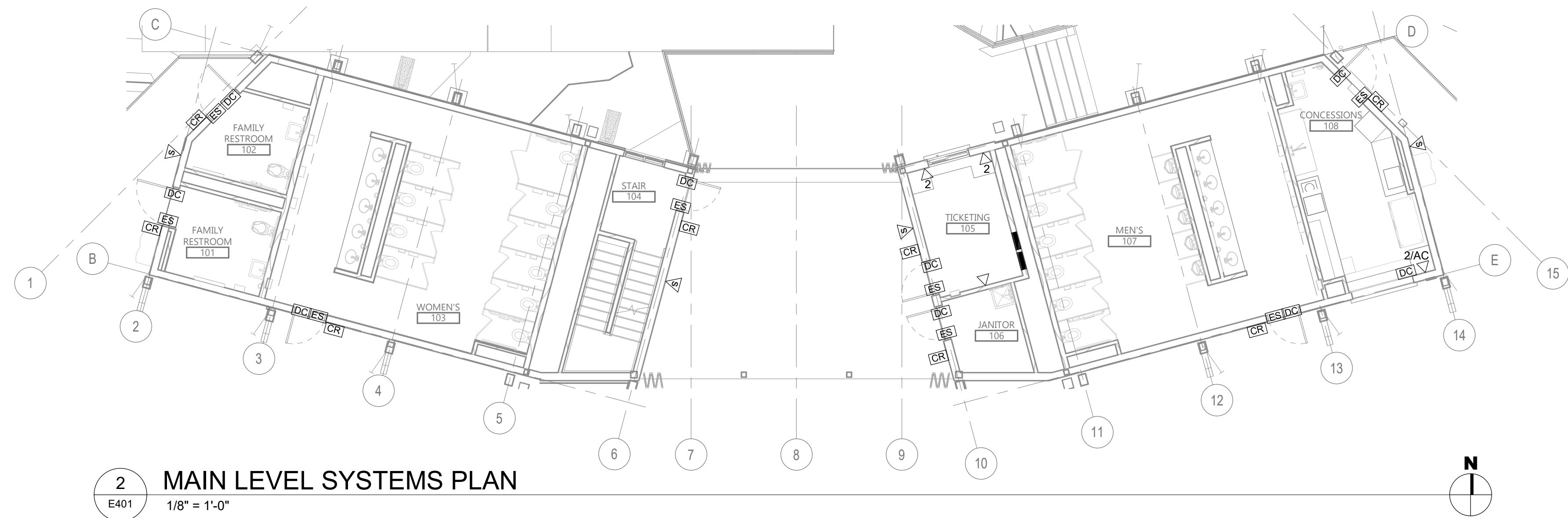
2 NORTH OVERALL ELEVATION
E302 1/8" = 1'-0"



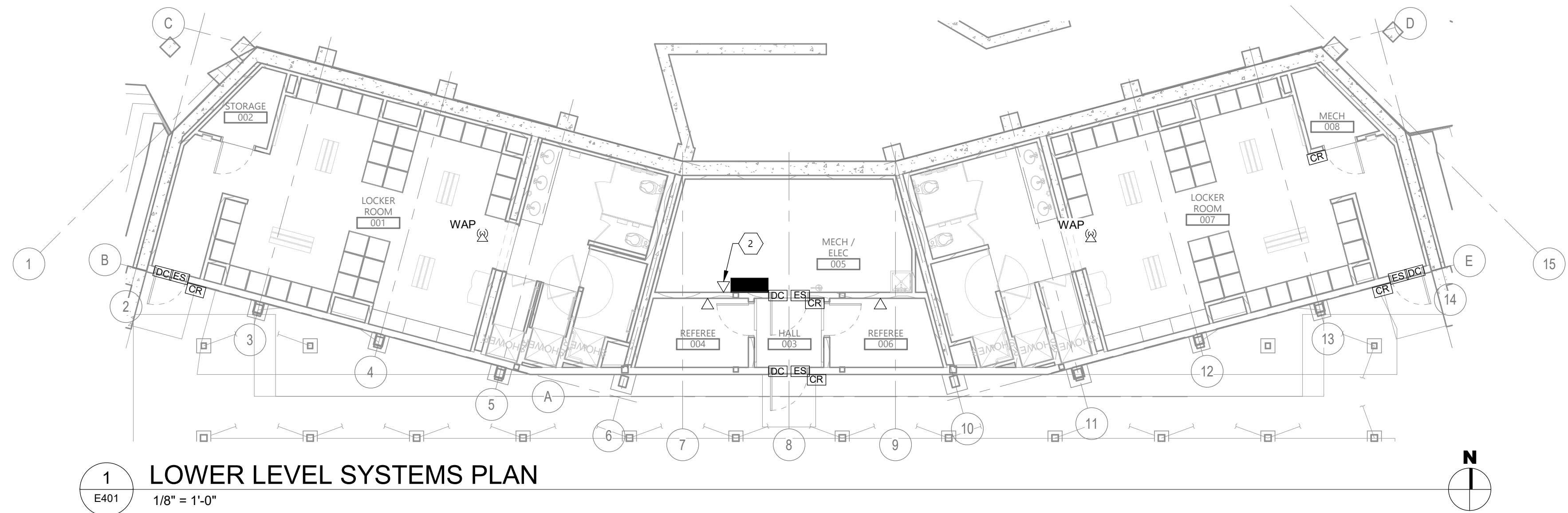
1 SOUTH OVERALL ELEVATION
E302 1/8" = 1'-0"



3 PRESS BOX SYSTEMS PLAN
E401 1/8" = 1'-0"



2 MAIN LEVEL SYSTEMS PLAN
E401 1/8" = 1'-0"



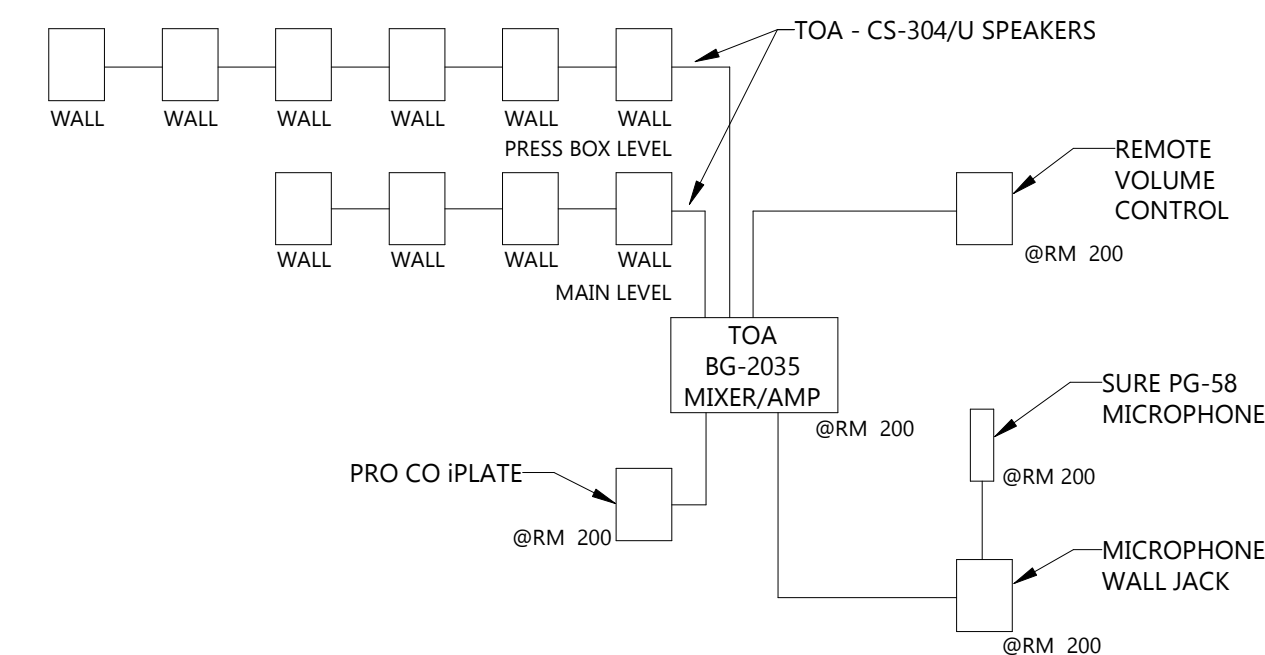
1 LOWER LEVEL SYSTEMS PLAN
E401 1/8" = 1'-0"

GENERAL NOTES

- PROVIDE APPROVED FIRE PROOFING MATERIALS / METHODS FOR CABLE PASSING THROUGH FIRE WALLS AND FLOORS.
- DATA CABLE SHALL BE CAT6 PLENUM RATED UNLESS NOTED OTHERWISE. CABLE COLOR SHALL BE BLUE UNLESS NOTED OTHERWISE OR COLOR AS REQUIRED BY OWNER STANDARDS.
- ALL DATA AND PAGING SYSTEMS CABLING SHALL TERMINATE IN RACK LOCATED IN ELEC/DATA RM 201.
- PROVIDE 4" HILT-PASS THRU FOR CABLE PASSING THROUGH FIRE WALLS AND FLOORS. SEE FIRE PROTECTION PLANS FOR LOCATION OF RATED WALLS. PENETRATIONS THROUGH FIRE RATED WALLS, PARTITIONS, FLOORS OR CEILING SHALL BE FIRE STOPPED USING APPROVED METHODS TO MAINTAIN THE FIRE-RESISTANCE RATING.
- COORDINATE DATA / TELEPHONE AND RECEPTACLE OUTLET LOCATIONS WITH ALL OFFICE SYSTEMS FURNITURE PRIOR TO ROUGH-IN. VERIFY THAT ALL DEVICES WILL NOT INTERFERE WITH OFFICE SYSTEMS FURNITURE MOUNTING HARDWARE.
- ADJACENT, WALL MOUNTED ELECTRICAL DEVICES ON OPPOSITE SIDES OF A COMMON WALL SHALL NOT BE INSTALLED BACK-TO-BACK. INSTALL THESE DEVICES IN DIFFERENT STUD SPACES WHENEVER POSSIBLE WHILE MAINTAINING DESIGN INTENT.
- ELECTRICAL CONTRACTOR TO COORDINATE INSTALLATION OF POWER SUPPLIES FOR CARD READERS WITH DOOR HARDWARE SUPPLIER. PROVIDE 120VAC WHERE POWER SUPPLIES ARE REQUIRED.

KEYNOTE LEGEND:

- <<< INDICATES KEYNOTE ON PLAN
- PROVIDE 3/4" GRAY PAINTED, FIRE RETARDANT PLYWOOD FROM FLOOR TO 8" ON WALLS OF ROOM FOR MOUNTING OF EQUIPMENT.
 - PROVIDE DATA CONNECTION FOR MECHANICAL SYSTEMS CONTROL PANEL. COORDINATE WITH MC ON FINAL CONNECTION LOCATION.



4 SOUND SYSTEM RISER
E401 NOT TO SCALE



Architecture Engineering
Interior Design Industrial
TELEPHONE 701.258.3116
116 W. Main Ave., Suite A, Bismarck ND 58501
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NEW TOWN SCHOOL DISTRICT

PROJECT DESCRIPTION
NEW TOWN GRANDSTANDS

CITY NEW TOWN
STATE NORTH DAKOTA

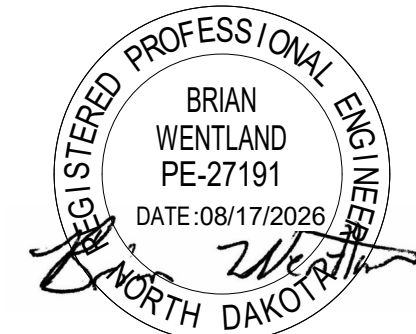
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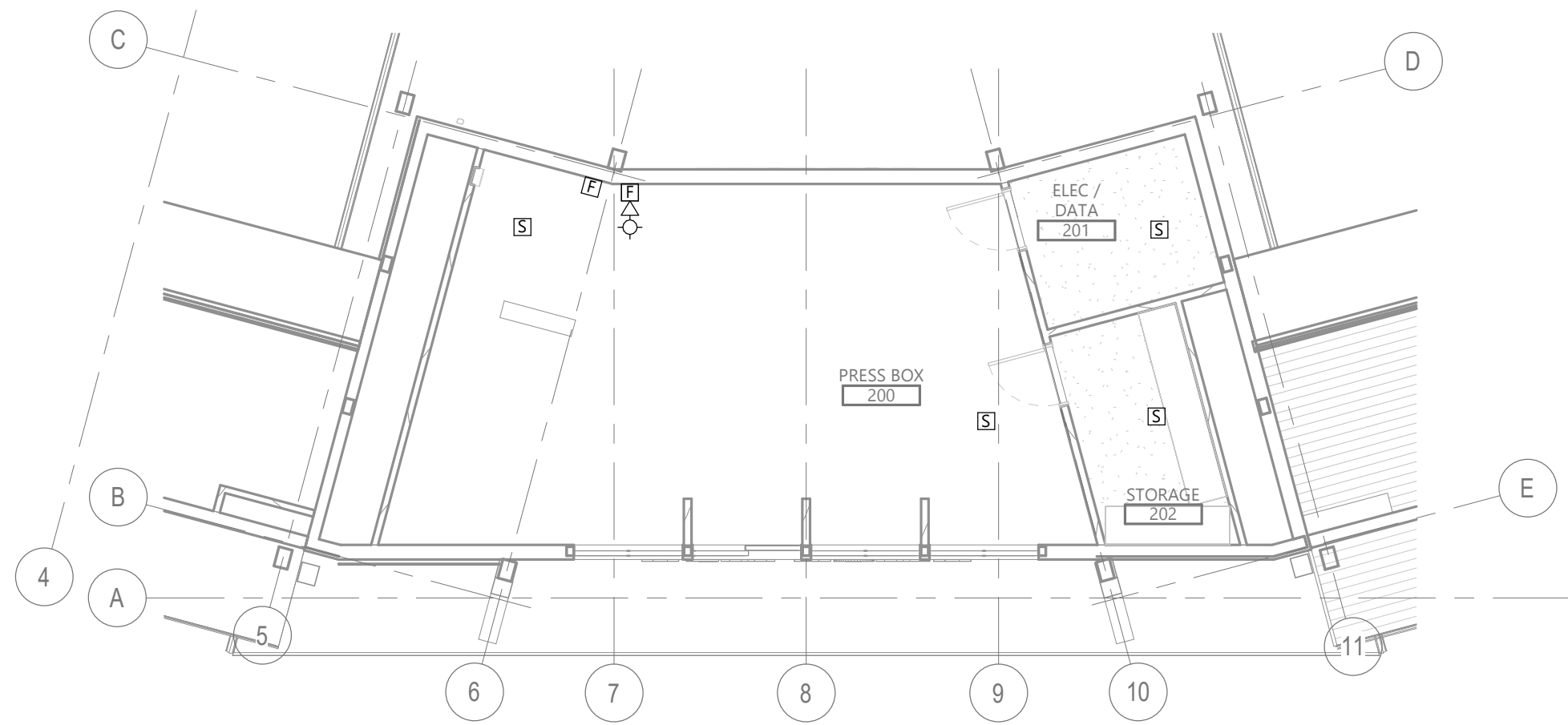
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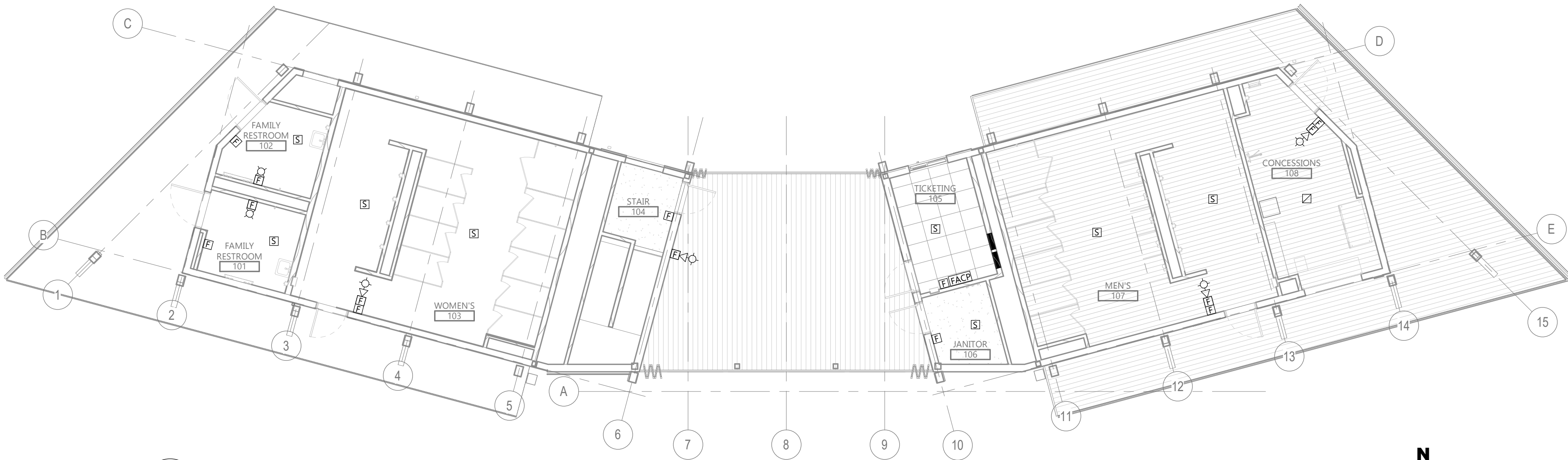


DRAWING TITLE
LOWER, MAIN & PRESS BOX SYSTEM PLANS

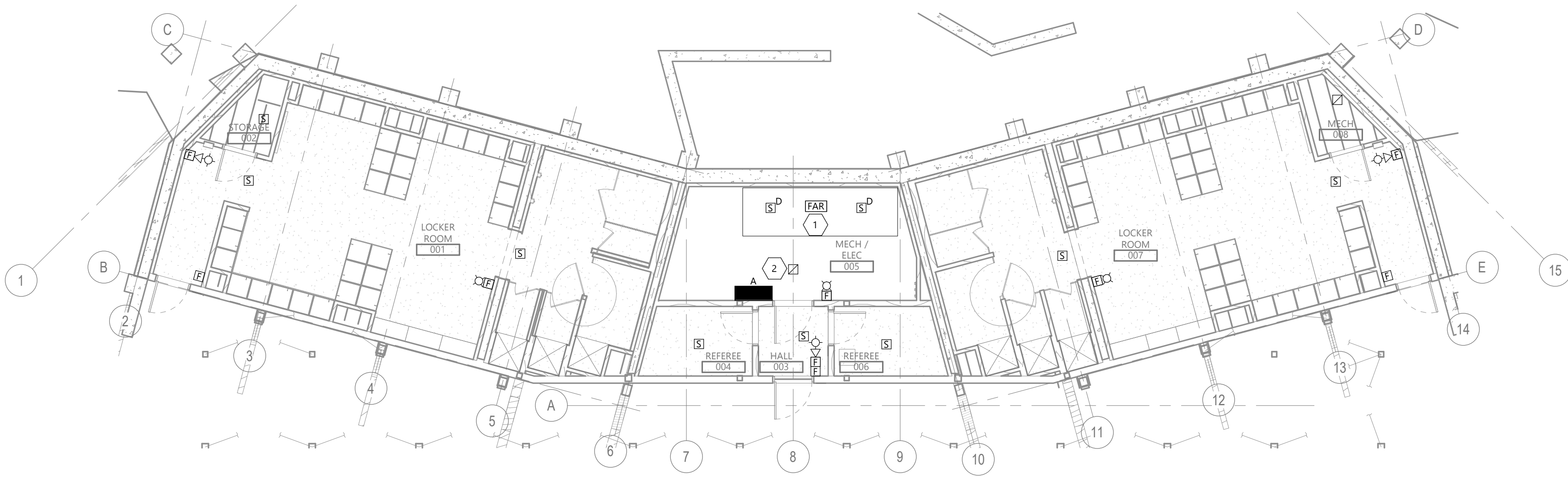
E401



3
E501
PRESS BOX FIRE ALARM PLAN
1/8" = 1'-0"



2
E501
MAIN FLOOR FIRE ALARM PLAN
1/8" = 1'-0"



1
E501
LOWER LEVEL FIRE ALARM PLAN
1/8" = 1'-0"

GENERAL NOTES

- A. SEAL ALL NEW ELECTRICAL PENETRATIONS THROUGH RATED WALL AND CEILING WITH FIRE CAULKING TO MAINTAIN RATING.

KEYNOTE LEGEND:

< < < INDICATES KEYNOTE ON PLAN

1. PROVIDE RETURN AND SUPPLY DUCT SMOKE DETECTORS ALONG WITH FIRE ALARM RELAY FOR SHUTDOWN OF UNIT UPON SMOKE DETECTION.
2. COORDINATE EXACT SMOKE DETECTOR LOCATION WITH MECHANICAL EQUIPMENT IN THIS ROOM PRIOR TO ROUGH-IN.
3. PROVIDE 120V CONNECTION TO FIRE SMOKE DAMPER AS INDICATED CIRCUIT. CIRCUIT SHALL BE ROUTED THROUGH A RELAY IN THE FIRE ALARM CONTROL PANEL TO SHUT DAMPERS UPON ACTIVATION OF FIRE ALARM SYSTEM.



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NEW TOWN SCHOOL DISTRICT

PROJECT DESCRIPTION

NEW TOWN GRANDSTANDS

CITY NEW TOWN

STATE NORTH DAKOTA

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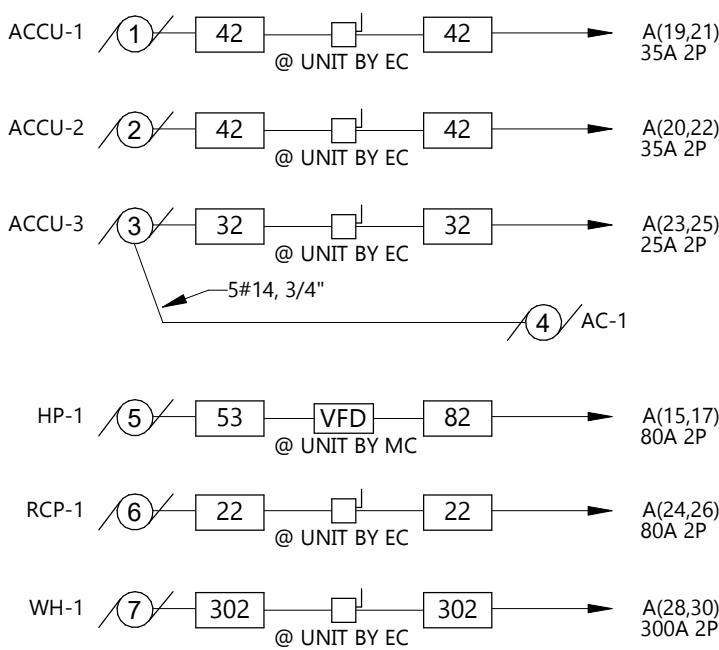


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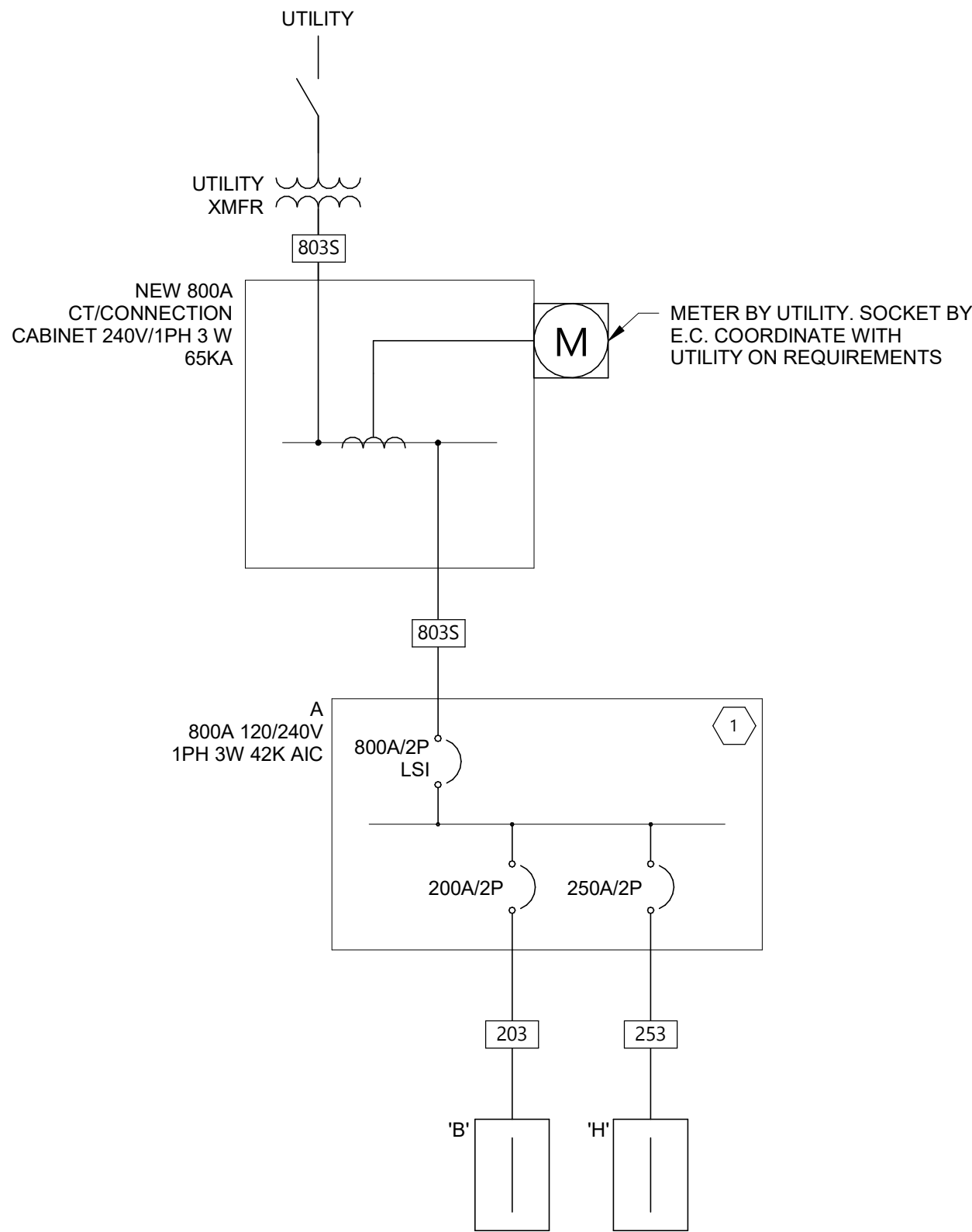
LOWER. MAIN & PRESS BOX FIRE ALARM PLAN

E501

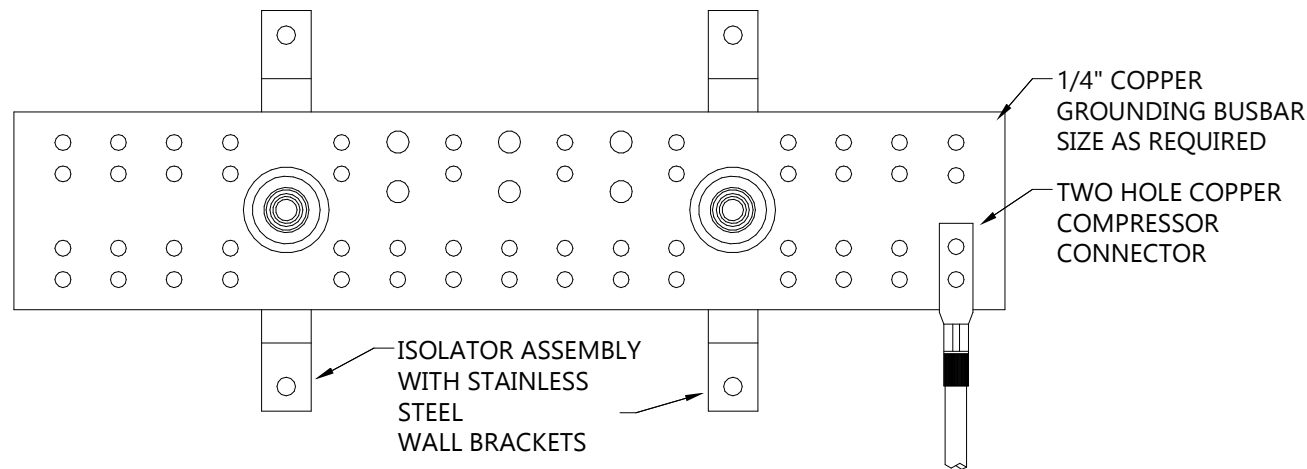
FEEDER SCHEDULE COPPER		
AMPACITY	FEEDER TAG	CONDUIT & THHN WIRE 75°C
20	22	3/4" C - 2 #12 & 1 #12 GND
30	32	3/4" C - 2 #10 & 1 #10 GND
40	42	3/4" C - 2 #8 & 1 #10 GND
50	53	1 1/4" C - 3 #6 & 1 #10 GND
80	82	1 1/4" C - 2 #3 & 1 #8 GND
200	203	2 1/2" C - 3 #3/0 & 1 #6 GND
250	253	3" C - 3 #250KCMIL & 1 #4 GND
300	302	2 1/2" C - 2 #350KCMIL & 1 #4 GND
800	803S	(2) 4" C - 4 #500KCMIL



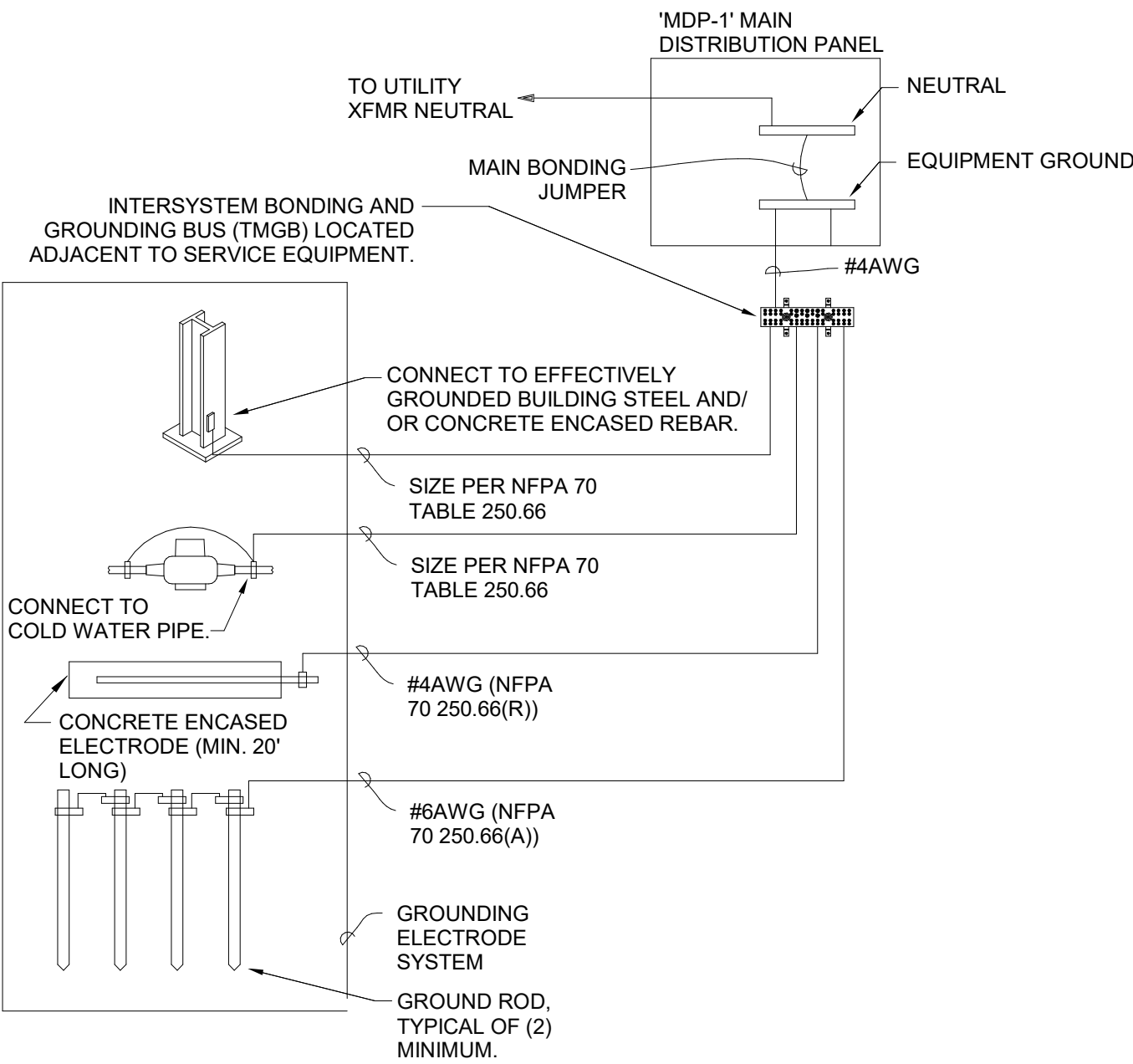
6 MOTOR RISER
E801 NOT TO SCALE



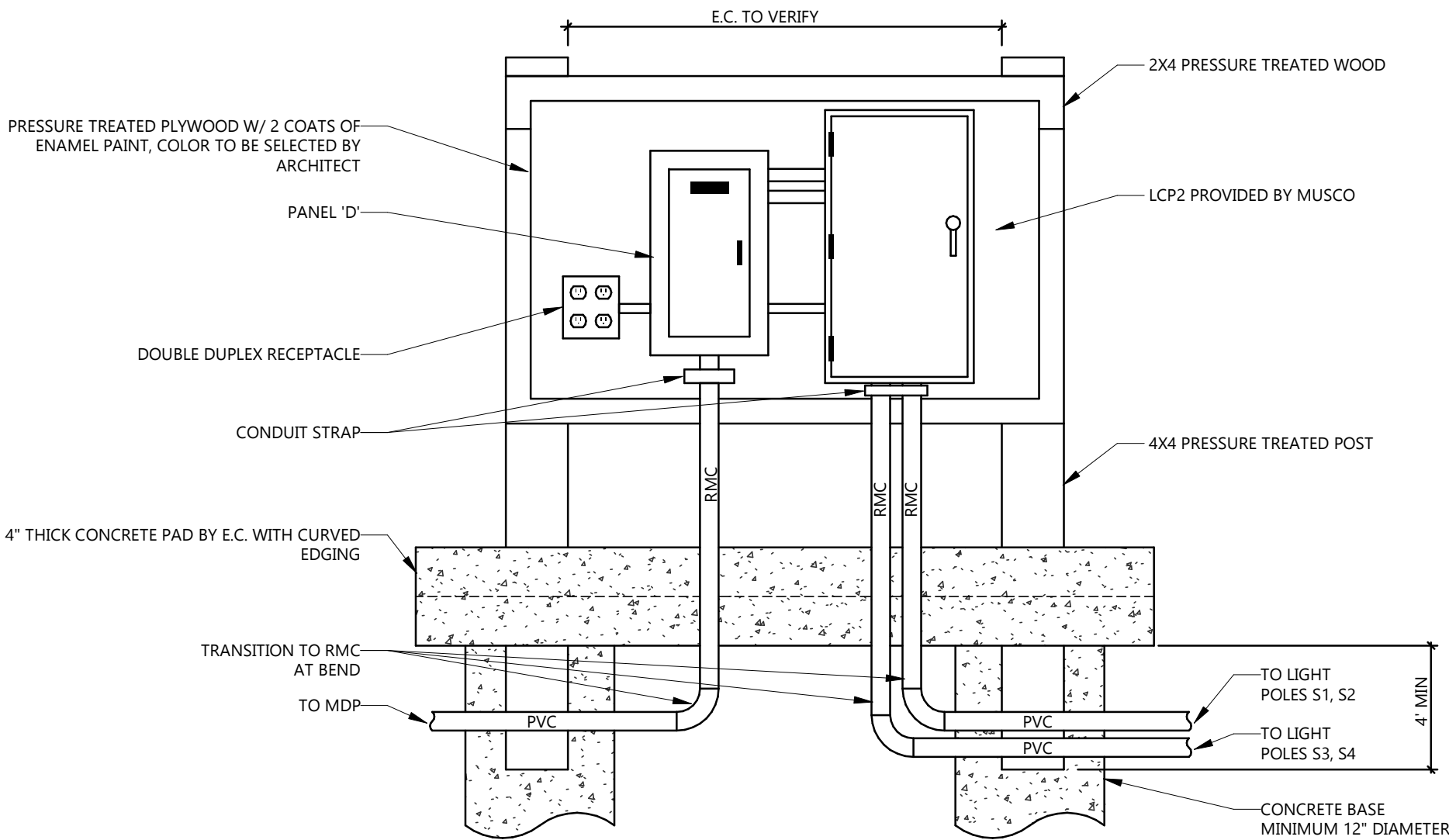
4 ONE-LINE DIAGRAM
E801 NOT TO SCALE



5 GROUND BAR DETAIL
E801 NOT TO SCALE



3 POWER SYSTEM GROUND DETAIL
E801 NOT TO SCALE

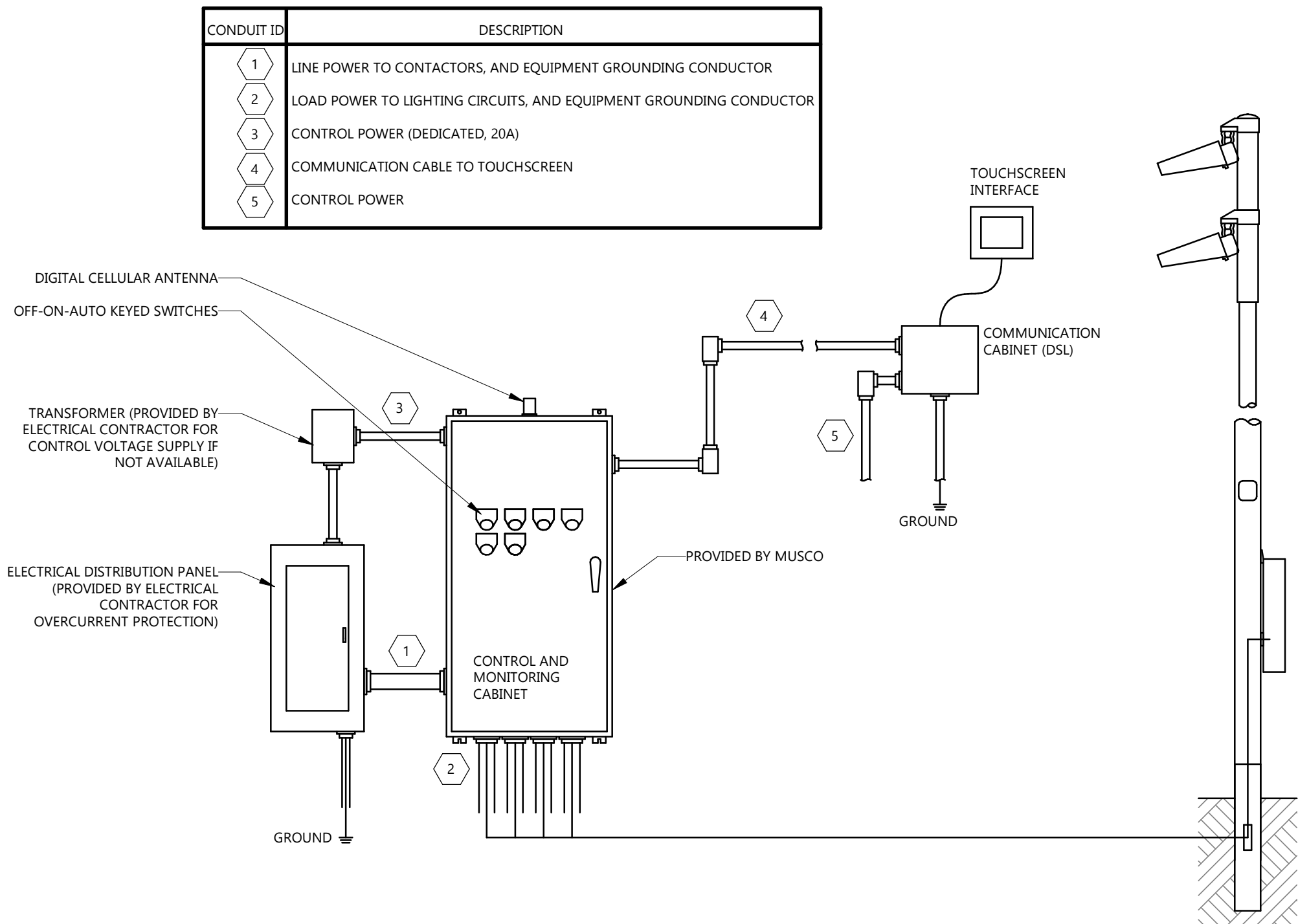


2 PANEL / LCP DETAIL
E801 NOT TO SCALE

MOTOR AND EQUIPMENT SCHEDULE																			
LEGEND:																			
CM - COMBINATION		M2 - MAGNETIC TWO SPEED		NF - NON FUSED		RPB - REMOTE PUSHBUTTON		SC - SELF CONTAINED		VC - VENTILATION CONTRACTOR		WP - WEATHERPROOFED							
CB - CIRCUIT BREAKER		M - MAGNETIC		OW - OWNER		TC - TEMPERATURE CONTRACTOR													
EC - ELECTRICAL CONTRACTOR		MC - MECHANICAL CONTRACTOR		RF - ROOF															
EX - EXISTING		MM - MANUAL		RM - ROOM															
F - FUSED		NA - NOT APPLICABLE																	
DESCRIPTION	MOTOR #	FURN BY	LOCATION	ROOM #	HP	KW	MCA	FLA	MOP	VOLTAGE	PH (Ø)	STARTER	CONTROL	POWER	INTERLOCKS	DISCONNECT			
												TYPE	SIZE	BY	BY	WIRING	BY	TO	BY
ACCU-1	1	MC	OUTDOOR				31.8		35	240 V	1					EC			EC
ACCU-2	2	MC	OUTDOOR				31.8		35	240 V	1					EC			EC
ACCU-3	3	MC	OUTDOOR				18		25	240 V	1					EC			EC
AC-1	4	MC	PRESS BOX							240 V	1					EC			EC
HP-1	5	MC	MECH 005				34.4	32	40	240 V	3					EC			MC
RCP-1	6	MC	MECH 005		1/15					240 V	1					EC			EC
WH-1	7	MC	MECH 005			54				240 V	1					EC			EC
NOTES:																			
1. IMC SHALL PROVIDE PHASE CONVERTER FOR CONNECTION OF EQUIPMENT.																			

ELECTRIC HEAT SCHEDULE								
SYMBOL	LENGTH	TOTAL WATTS	VOLTAGE & PHASE	MOUNTING	MANUFACTURER	CATALOG NO.	CONTROL	REMARKS
EH 4.5	-	4500	240/1	RECESSED	QMARK	LFK487F-LFKSFCNW	INTEGRAL THERMOSTAT	1
EH 3.0	-	3000	240/1	RECESSED	QMARK	LFK304F-LFKSFCNW	INTEGRAL THERMOSTAT	1
EH 2.5	-	2500	240/1	RECESSED	QMARK	LFK304F-LFKSFCNW	INTEGRAL THERMOSTAT	1
EH 2.0	-	2000	240/1	RECESSED	QMARK	LFK204F-LFKSFCNW	INTEGRAL THERMOSTAT	1
EH 1.5	-	1500	120/1	RECESSED	QMARK	LFK151F-LFKSFCNW	INTEGRAL THERMOSTAT	1
EH 1.0	-	1000	240/1	RECESSED	QMARK	FRA4024F-FRAFCTPF	INTEGRAL THERMOSTAT	1
EH 0.9	-	900	240/1	RECESSED	QMARK	FRA4024F-FRAFCTPF	INTEGRAL THERMOSTAT	1
EH 0.6	-	600	240/1	RECESSED	QMARK	FRA4024F-FRAFCTPF	INTEGRAL THERMOSTAT	1
EH 0.5	-	500	120/1	RECESSED	QMARK	CWH1101DSF	INTEGRAL THERMOSTAT	1
EH 0.3	24"X24"	300	240/1	CEILING	BERKO	CP252	INTEGRAL THERMOSTAT	1
EH 0.1	24"X24"	150	240/1	CEILING	BERKO	CP252	INTEGRAL THERMOSTAT	1
NOTES:								
1. SEE PLANS FOR QUANTITIES AND LOCATIONS OF ELECTRIC HEATERS.								

KEYNOTE LEGEND:	
⬡	< < < INDICATES KEYNOTE ON PLAN
1. NOT ALL BREAKERS SHOW. SEE PANEL SCHEDULE.	



1 MUSCO POLE LTG CONTROL & MONITORING SYSTEM
E801 NOT TO SCALE



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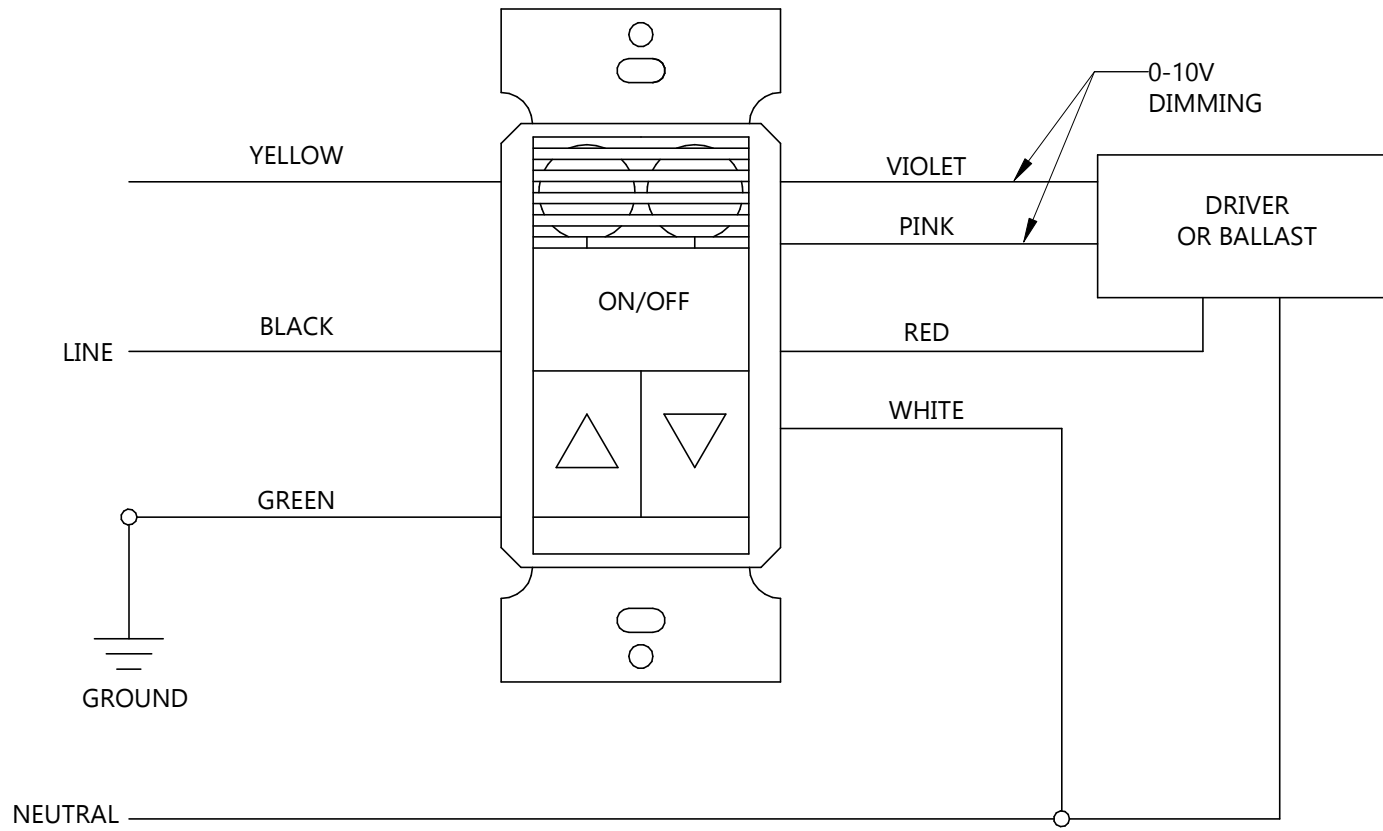
DRAWING TITLE
ONE-LINE DIAGRAM & MOTOR AND EQUIPMENT RISER

E801

LIGHTING CONTROL SCHEDULE												
SYMBOL	MANUFACTURER	CATALOG NAME	MOUNTING			VOLTAGE		TYPE			NOTES	DESCRIPTION
			WALL	CLING	ABV. CLG	LINE	LOW	OCCUPANCY	VACANCY	OTHER		
\$	SENSOR SWITCH	SPODM	X				X			X	2	LOW VOLTAGE SWITCH, 2 BUTTON OPTION, NUMBER OF POLE OR MULTI-WAY SWITCHING TO BE DETERMINED BY MANUFACTURER.
	SENSOR SWITCH	CM PDT 9/10 R D		X			X	X			5	CEILING MOUNTED SENSOR, DUAL TECHNOLOGY, SMALL OR LARGE MOTION TO BE DETERMINED BY MANUFACTURER, LOW VOLTAGE RELAY, DIMMING OPTION
	SENSOR SWITCH	WSX PDT D	X			X		X				WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR WITH INTEGRAL 0-10V DIMMING WITH ON/OFF BUTTON
	SENSOR SWITCH	WSX PDT	X			X		X				WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR WITH ON/OFF SWITCH
	SENSOR SWITCH	PP 20			X							NON-DIMMING POWER PACK
GENERAL NOTES:												
A. ALL SENSORS ARE SHOWN FOR CONTROL PURPOSE ONLY; ADDITIONAL DEVICE/POWER MAY BE REQUIRED FOR A COMPLEX SYSTEM. VERIFY REQUIRED DEVICES WITH SYSTEM PROVIDER AND INSTALL COMPLETE SYSTEM.												
B. WIRE LIGHTING CONTROL COMPONENTS PER MANUFACTURERS INSTRUCTIONS.												
C. APPROVED MANUFACTURERS: COOPER WAVELINX & ACUTY BRANDS.												
D. SEE SPECIFICATION SECTION 262726 OR ON DRAWINGS SPECIFICATIONS FOR FACEPLATE AND DEVICE COLOR.												
NOTES:												
1.	NUMBER REPRESENTS QUANTITY OF RELAYS PER DEVICE. SEE LIGHTING SHEETS FOR NUMBER OF RELAYS AND CONTROL ZONES. MULTI-RELAY ROOM CONTROLLERS MAY BE USED IN LIEU OF SINGLE RELAY ROOM CONTROLLERS.											
2.	SEE SWITCH DETAILS FOR MORE INFORMATION ON SPECIFIC TIMECLOCK SWITCHES/DIMMERS BUTTON LAYOUT AND ENGRAVING.											
3.	FOR USE AT BACK OF HOUSE, UNFINISHED SPACES, AND 120V 20A MOTOR DISCONNECTS SHALL BE STANDARD TOGGLE SWITCHES. SEE SPECIFICATION SECTION 262726 OR ON DRAWINGS SPECIFICATION FOR ADDITIONAL INFORMATION.											
4.	A LINE VOLTAGE DIMMER SHALL ONLY BE USED IN RESIDENTIAL INSTALLATIONS OR WHERE THE LUMINAIRE SUPPORTS ONLY LINE VOLTAGE DIMMING.											
5.	MANUFACTURER SHALL DETERMINE IF SENSOR SHALL COME WITH INTEGRAL PHOTOCELL IN LIEU OF STAND ALONE DEVICE AS NEEDED FOR DEVICE.											

LUMINAIRE SCHEDULE											
TYPE	MANUFACTURER	CATALOG NAME	MOUNTING	LOCATION	VOLTAGE	CCT	LUMENS	WATTS	NOTES	DESCRIPTION	
A	LITHONIA LIGHTING	2RTL4 30L LP840	RECESSED	CEILING	MVOLT	4000	3000	29 W		2X4 BLT, CURVED RIBBED	
C	HALO	COMMERCIAL HC6 LDN6 40/10 LO6WR	RECESSED	ACT	MVOLT	4000	1000	10 W	2	6" LED CAN LIGHT	
E1	LITHONIA LIGHTING	EDG EDGR W 1 R RMR EL	SURFACE	WALL	MVOLT	4000	--	5 W		90 MIN BATTERY BACK UP WITH SELF DIAGNOSTICS, WHITE FINISH	
EM	LITHONIA LIGHTING	EU2L	SURFACE	WALL	MVOLT	4000	--	10 W		90 MIN BATTERY BACK UP WITH SELF DIAGNOSTICS, WHITE FINISH	
F	BEAMEVER	LINIO NEON 1617 RGBWW (IP68)	SURFACE	WALL	MVOLT	4000	400 ML/FT	4 W	1,2	IP 68 BENDABLE RGB W STRIP LIGHT WITH DMX ADD ON FOR CONTROL. PROVIDE DMX CONTROL UNIT.	
L1	AXIS	EXTEND 2 RBG+W-SQ-4	RECESSED	CEILING	MVOLT	4000	1000 LM FT	16 W	1,2	RECESSED MOUNT 4" LENGTH BY 2" WIDE.	
L2	AXIS	EXTEND 2 RBG+W	RECESSED	CEILING	MVOLT	4000	1000 LM FT	16 W	1,2	RECESSED MOUNT 7"-10" LENGTH BY 2" WIDE.	
M1	AXIS	EXTEND 4 RGB+W	SURFACE	CEILING	MVOLT	4000	1000 LM FT	16 W	1,2	VERTICAL SURFACE MOUNT LENGTH 4'-6"	
M2	AXIS	EXTEND 4 RGB+W	SURFACE	CEILING	MVOLT	4000	1000 LM FT	16 W	1,2	VERTICAL SURFACE MOUNT LENGTH 10'-0"	
M3	AXIS	EXTEND 4 RGB+W	SURFACE	CEILING	MVOLT	4000	1000 LM FT	16 W	1,2	VERTICAL SURFACE MOUNT LENGTH 10'-8"	
M4	AXIS	EXTEND 4 RGB+W	SURFACE	CEILING	MVOLT	4000	1000 LM FT	16 W	1,2	VERTICAL SURFACE MOUNT LENGTH 11'-0"	
M5	AXIS	EXTEND 4 RGB+W	SURFACE	CEILING	MVOLT	4000	1000 LM FT	16 W	1,2	VERTICAL SURFACE MOUNT LENGTH 18'-0"	
M6	AXIS	EXTEND 4 RGB+W	SURFACE	CEILING	MVOLT	4000	1000 LM FT	16 W	1,2	VERTICAL SURFACE MOUNT LENGTH 21'-4"	
M7	AXIS	EXTEND 4 RGB+W	SURFACE	CEILING	MVOLT	4000	1000 LM FT	16 W	1,2	VERTICAL SURFACE MOUNT LENGTH 24'-8"	
M8	AXIS	EXTEND 4 RGB+W	SURFACE	CEILING	MVOLT	4000	1000 LM FT	16 W	1,2	VERTICAL SURFACE MOUNT LENGTH 27'-10"	
M9	AXIS	EXTEND 4 RGB+W	SURFACE	CEILING	MVOLT	4000	1000 LM FT	16 W	1,2	VERTICAL SURFACE MOUNT LENGTH 32'-0"	
M10	AXIS	EXTEND 4 RGB+W	SURFACE	CEILING	MVOLT	4000	1000 LM FT	16 W	1,2	VERTICAL SURFACE MOUNT LENGTH 38'-0"	
N1	AXIS	EXTEND 4 RGB+W	SURFACE	WALL	MVOLT	4000	1000 LM FT	16 W	1,2	SURFACE MOUNT LENGTH 8'-0"	
N2	AXIS	EXTEND 4 RGB+W	SURFACE	WALL	MVOLT	4000	1000 LM FT	16 W	1,2	SURFACE MOUNT LENGTH 10'-0"	
N3	AXIS	EXTEND 4 RGB+W	SURFACE	WALL	MVOLT	4000	1000 LM FT	16 W	1,2	SURFACE MOUNT LENGTH 16'-0"	
P	LITON	AG350B - B25 - RGBW - L35 - UE-DMX - YK	SURFACE	CEILING	MVOLT	4000	3500	40 W		EXTERIOR RATED, RGB-W SPOT LIGHT, AIM LIGHT FOR BEST COVERAGE.	
R	GOETHAM	INCITO	SURFACE	CEILING	MVOLT	4000	4000	18 W		SURFACE MOUNTED CYLINDER, 45 DEGREE BEAM ANGLE	
S	COOPER	CORELITE BRYX CB3-030U-030D-840-2D-UNV-STD-4	SUSPENDED	CEILING	MVOLT	4000	126 LM/FT	53 W	2	LINEAR LED 4" TWO DIMMING CIRCUITS FOR DIRECT AND INDIRECT LIGHTING, AIRCRAFT CABLE SUSPENDED.	
T	LITHONIA LIGHTING	CLX L48 4000LM HEF FDL MVOLT 40K 90CRI	SUSPENDED	CEILING	MVOLT	4000	4000	26 W	1	LED STRIP LIGHT	
U1	AXIS	EXTEND 4 WALL RGB+W	SURFACE	WALL	MVOLT	4000	1000 LM FT	16 W	1,2	LENGTH 12"	
U2	AXIS	EXTEND 4 WALL RGB+W	SURFACE	WALL	MVOLT	4000	1000 LM FT	16 W	1,2	LENGTH 17"	
V	AFX	BARLOW BARV2403	SURFACE	WALL	MVOLT	3000	1289	18 W	2	24" LED VANITY	
W1	AFX	GLEW0524	SURFACE	WALL	MVOLT	3000	1663	29 W	2	24" LED OUTDOOR SCNCE	
WW1	LITHONIA LIGHTING	WPX	SURFACE	WALL	MVOLT	4000	2900	20 W	2	WALL MOUNTED LIGHT WITH 90 MIN BATTERY PACK	
WW2	LITHONIA LIGHTING	WPX	SURFACE	WALL	MVOLT	4000	6000	47 W	2	WALL MOUNTED LIGHT WITH 90 MIN BATTERY PACK	
Y	LITHONIA LIGHTING	CLX	SURFACE	WALL	MVOLT	4000	4000	18 W	2	48" WALL MOUNTED LIGHT WITH ROUND DIFFUSED LENS	
NOTES:											
1. LIGHT SHALL BE WIRED TO DMX CONTROL LOOP. PROVIDE INSITE LIGHTING LIGHT DIAL OR APPROVED EQUAL FOR CONTROL OF UP TO 10 SEPARATE RGBW CONTROL ZONES.											
2. FINISH TO BE SELECTED BY ARCHITECT.											

LUMINAIRE SCHEDULE - EXTERIOR										
TYPE	MANUFACTURER	CATALOG NAME	MOUNTING	LOCATION	VOLTAGE	CCT	LUMENS	WATTS	NOTES	DESCRIPTION
AA	LITHONIA LIGHTING	RSX	POLE	SITE	MVOLT	4000	10,000	100 W		30' ALUMINUM TAPERED POLE



1
E802

DUAL TECH SENSOR SWITCH OD WIRING DETAIL
NOT TO SCALE



Architecture

Interior Design

Engineering

Industrial

TELEPHONE 701.258.3116

116 W. Main Ave., Suite A, Bismarck ND 58501

www.eapc.net

CLIENT

NEW TOWN SCHOOL DISTRICT

PROJECT DESCRIPTION

NEW TOWN GRANDSTANDS

CITY NEW TOWN

STATE NORTH DAKOTA

ISSUE DATES

CD	100% CONSTRUCTION DOCUMENTS	08-17-2026
MARK	DESCRIPTION	DATE

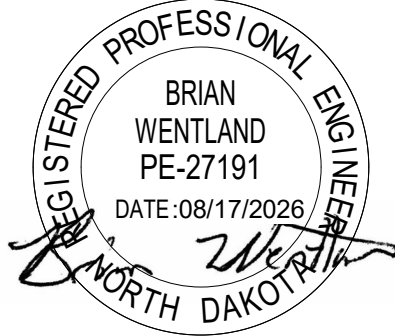
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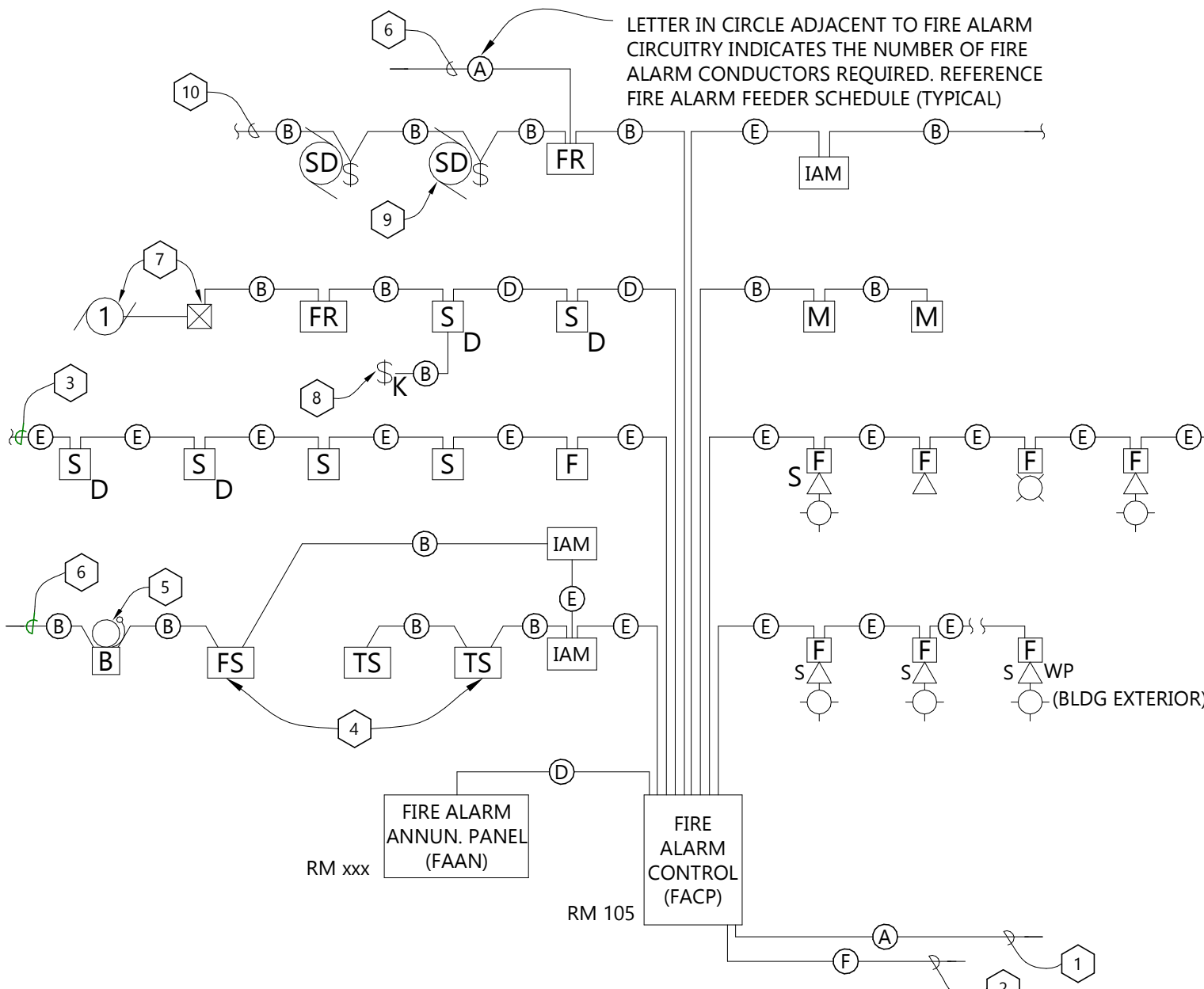
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DRAWING TITLE

LIGHTING SCHEDULES & DETAILS

E802



FIRE ALARM FEEDER SCHEDULE					
MARK	CONDUIT NO.	SIZE	CONDUCTORS PER CONDUIT #14	* COMMUNICATIONS CABLE	NOTES
(A)	1	1/2"	-	-	2#12 AWG
(B)	1	1/2"	2	-	-
(C)	1	1/2"	4	-	-
(D)	1	1/2"	2	1	-
(E)	1	1/2"	-	1	-
(F)	1	1/2"	-	-	(1)CATEGORY 5E UTP
(G)	1	3/4"	5	1	-
(H)	1	-	-	-	-
(I)	1	-	-	-	-
(K)	1	-	-	-	-

* COMMUNICATIONS CABLE TO BE 1-#18GA, TWISTED, SHIELDED PAIR. (WEST PENN #975 OR EQUAL)

GENERAL NOTE:

A. DETAIL SHALL BE USED FOR GENERAL WIRING DESIGN INTENT ONLY. VERIFY EXACT REQUIREMENTS AND COMPLY WITH MANUFACTURERS RECOMMENDATIONS FOR ACTUAL EQUIPMENT FURNISHED.

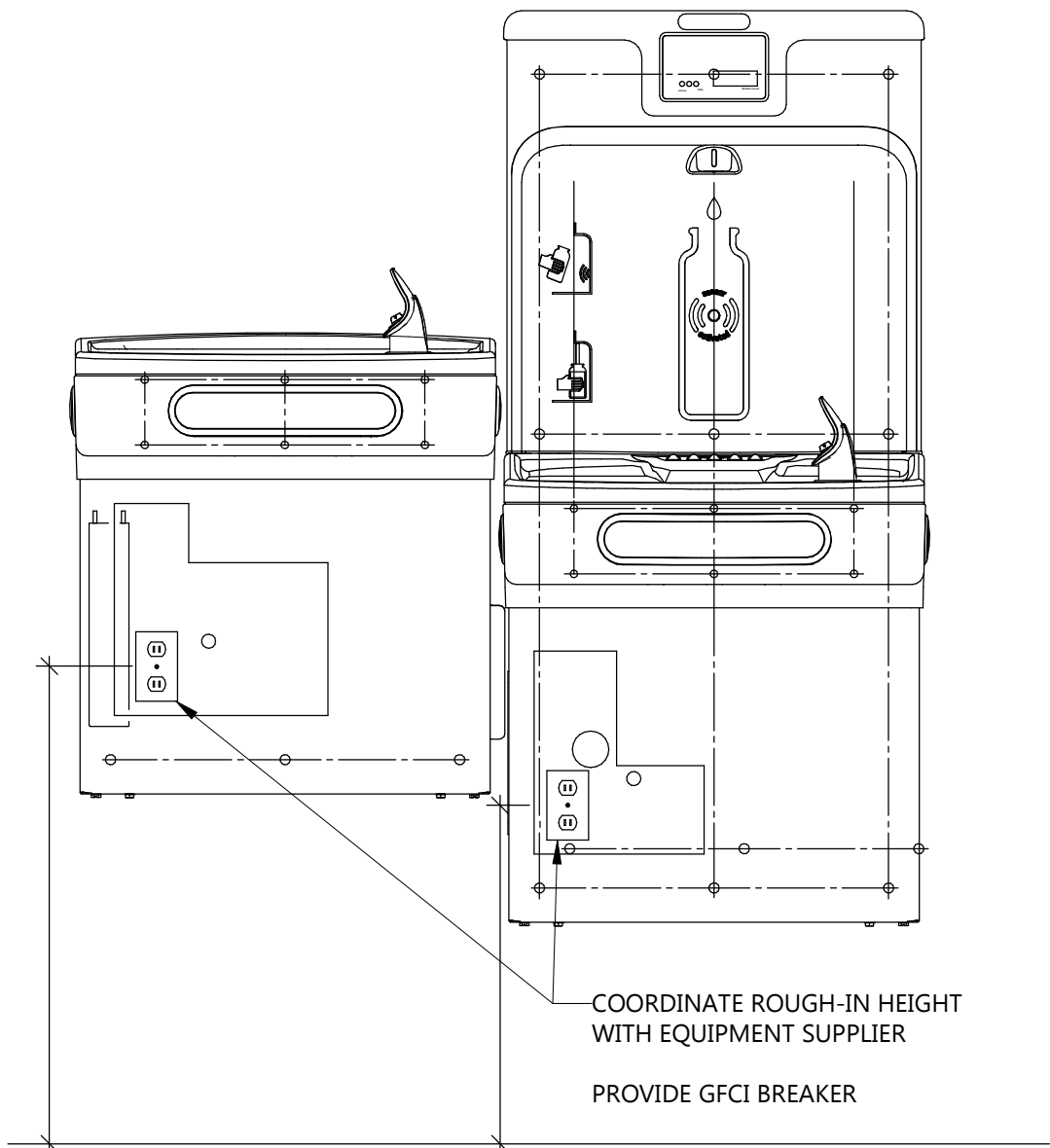
REFERENCE NOTES:

- TO DEDICATED 20/1 CIRCUIT BREAKER.
- TO TELEPHONE DEMARK FOR REMOTE REPORTING.
- TO NEXT DEVICE.
- ELECTRICAL CONTRACTOR TO ALLOW IN BID TO WIRE ALL TAMPER AND FLOW SWITCHES FURNISHED AND INSTALLED BY THE SPRINKLER CONTRACTOR. VERIFY QUANTITY LOCATION AND EXACT REQUIREMENTS WITH SPRINKLER CONTRACTOR.
- ELECTRICAL CONTRACTOR TO ALLOW IN BID TO WIRE SPRINKLER FLOW ALARM BELL FURNISHED AND INSTALLED ON BUILDING EXTERIOR BY SPRINKLER CONTRACTOR. PROVIDE LOW VOLTAGE TRANSFORMER (IF REQUIRED) AND EXTEND 120V POWER FROM NEAREST CONTINUOUS SOURCE.
- TO NEAREST CONTINUOUS 120 VOLT SOURCE.
- AIR HANDLING UNIT AND ASSOCIATED MOTOR CONTROLLER.
- REMOTE DUCT SMOKE DETECTOR ALARM INDICATOR AND TEST SWITCH. VERIFY EXACT LOCATION WITH MECHANICAL EQUIPMENT PRIOR TO INSTALLATION.
- SMOKE DAMPERS FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR. WIRED BY ELECTRICAL CONTRACTOR. TRANSFORMER BY MC. ISOLATION SWITCH BY EC.
- TO NEXT SMOKE DAMPER. DO NOT EXCEED (6) SMOKE DAMPERS PER RELAY.

8 TYPICAL ADDRESSIBLE FIRE ALARM RISER

E803

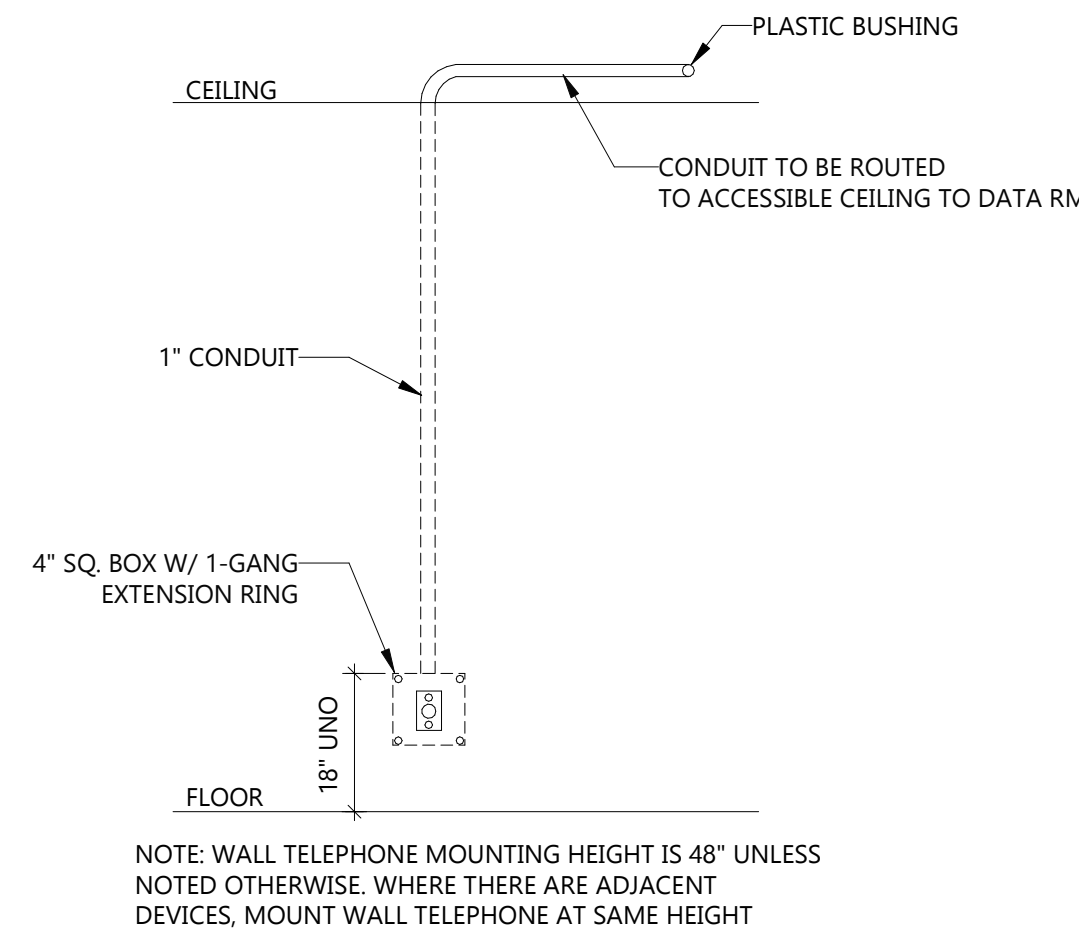
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7 DUAL STATION EWC DETAIL

E803

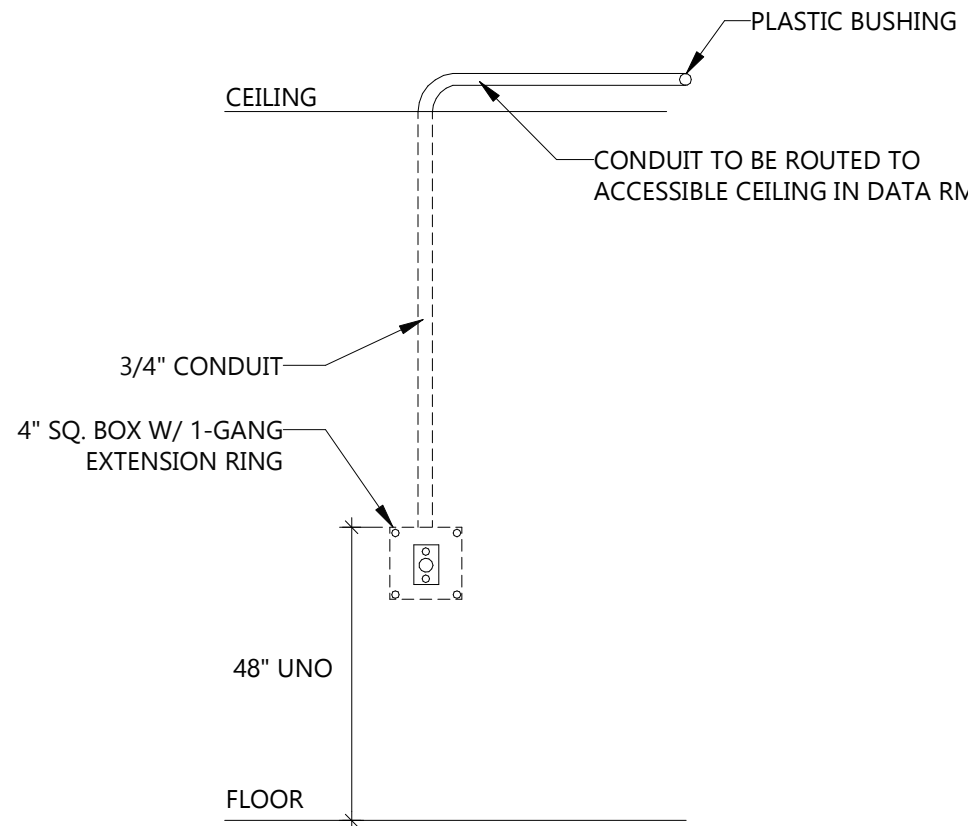
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6 DATA/TELEPHONE ROUGH-IN DETAIL

E803

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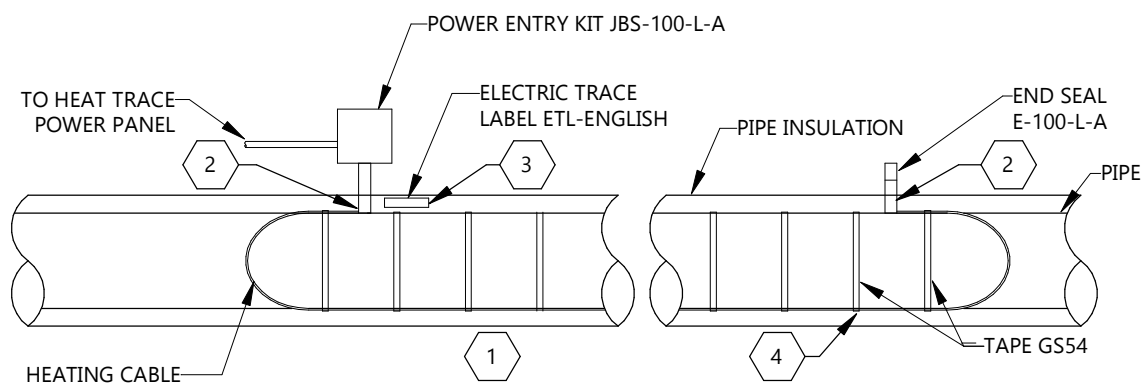


5 VOLUME CONTROL/THERMOSTAT MOUNTING DETAIL

E803

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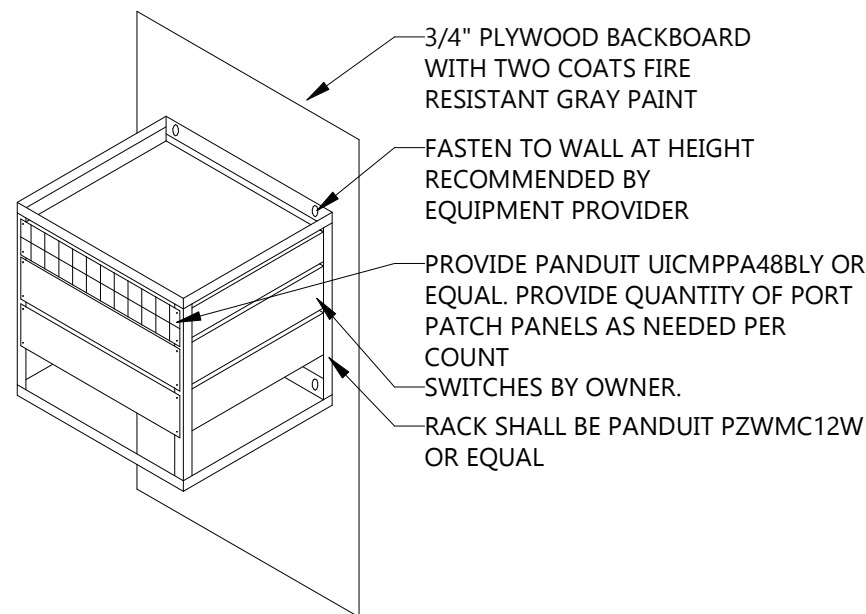
- REFERENCE NOTES:
- INSTALL PIPE HEAT TRACE SINGLE ENTRY POWER I-BOX (P/N: JBS-100-L-A) AT THIS LOCATION AND TERMINATE. SEE DRAWING E201 FOR LOCATION OF END SEAL KIT AND INSTALLATION DETAILS.
 - POWER AND END SEAL KITS SHALL NOT BE INSTALLED AT A "NODE" IN ORDER TO PROVIDE PROPER HEAT DISTRIBUTION AT THE END OF THE TRACE. VERIFY REQUIREMENTS FOR SPLICING OF CABLE NEAR NODES WITH RAYCHEM.
 - INSTALL HEAT TRACE WARNING LABELS AT 10' INTERVALS ON EXTERIOR OF PIPE INSULATION.
 - INSTALL HEAT TRACE TAPE AT ONE FOOT INTERVALS ALONG PIPE.



4 HEAT TRACE AT PIPE INSTALLATION DETAIL

E803

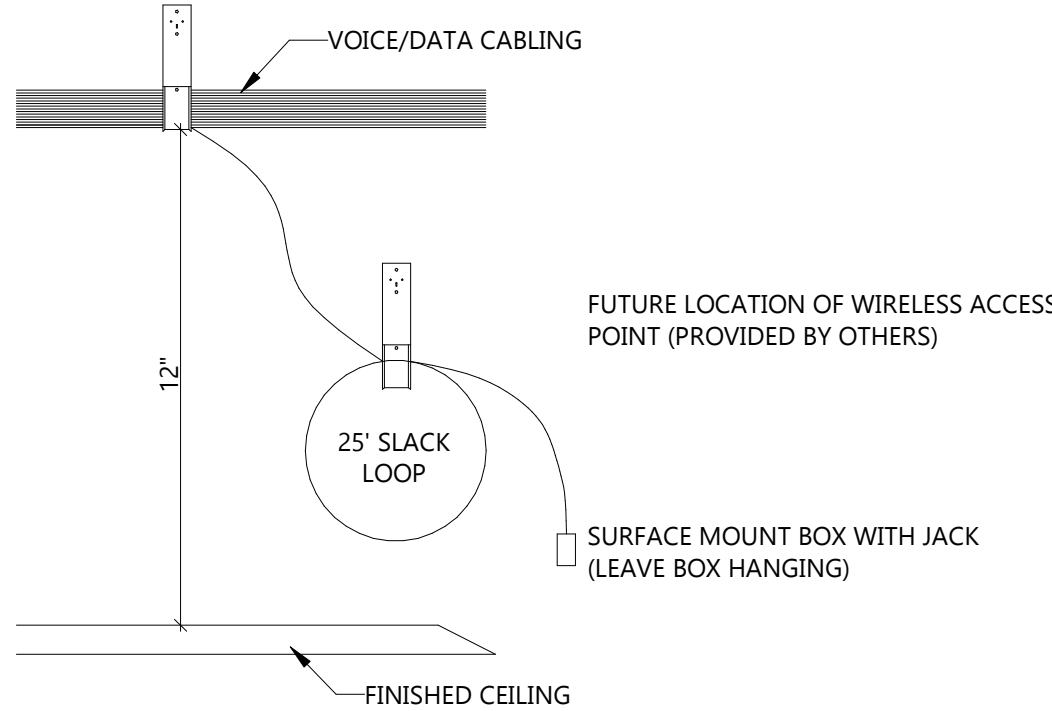
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3 WALL MOUNTED DATA RACK

E803

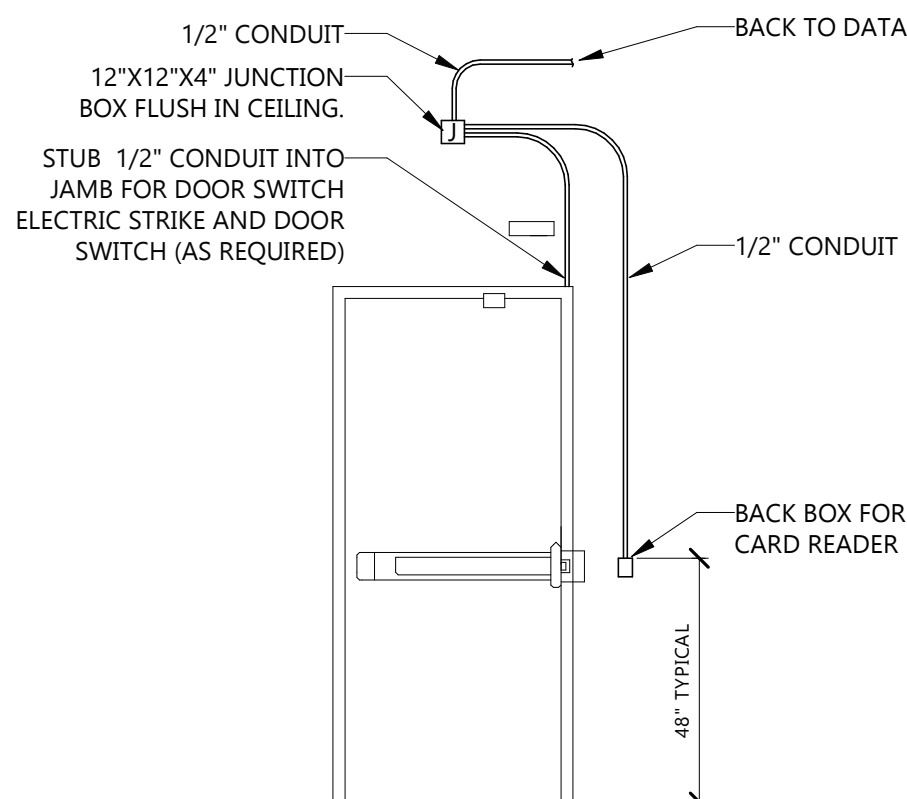
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2 TYPICAL WIRELESS ACCESS POINT DETAIL

E803

NOT TO SCALE



1 SINGLE DOOR CARD READER ROUGH-IN DETAIL

E803

NOT TO SCALE

CLIENT
NEW TOWN SCHOOL DISTRICT

PROJECT DESCRIPTION
NEW TOWN GRANDSTANDS

CITY **NEW TOWN**
STATE **NORTH DAKOTA**

ISSUE DATES

CD	100% CONSTRUCTION DOCUMENTS	08-17-2026
MARK	DESCRIPTION	DATE

PROJECT NO: **20263400**
DRAWN BY: **ML**
CHECKED BY: **BW**

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DRAWING TITLE
DETAILS, SCHEDULES & RISER DIAGRAMS

E803

NEW PANEL: A													
LOCATION: MECH / ELEC 005					VOLTS: 120/240 Single					A.I.C. RATING: 42KA			
SUPPLY FROM: UTILITY					PHASING: 1					CALCULATED A.I.C.: 42K			
MOUNTING: SURFACE					WIRES: 3					MAINS TYPE: MCB			
ENCLOSURE: TYPE 1										MAINS RATING: 800 A			
										BUS RATING: 800 A			
CKT	CIRCUIT DESCRIPTION	CODES	TRIP	POLES	A		B		POLES	TRIP	CODES	CIRCUIT DESCRIPTION	CKT
1	RECEPT RM 001 & 002		20 A	1	1260 VA	1080 VA			1	20 A		RECEPT RM 005,003, 004 & 006	2
3	RECEPT RM 001 EWC		20 A	1			360 VA	900 VA	1	20 A		RECEPT RM 101,102,103 & 104	4
5	LIGHTING LOWER LEVEL		20 A	1	494 VA	360 VA			1	20 A		RECEPT EXTERIOR	6
7	LIGHTING WALKWAY		20 A	1			472 VA	720 VA	1	20 A		RECEPTACLE EWC	8
9	LIGHTING EXTERIOR		20 A	1	507 VA	763 VA			1	20 A		EXTERIOR LIGHTING	10
11	HAND DRYER RM 103		20 A	1			950 VA	1484 VA	1	20 A		LIGHTING MAIN LEVEL	12
13	HAND DRYER RM 103		20 A	1	950 VA	537 VA			1	20 A		EM LIGHTING	14
15							6448 VA	950 VA	1	20 A		HAND DRYER RM 103	16
17	HP-1 (#5)		80 A	2		6448 VA	950 VA		1	20 A		HAND DRYER RM 103	18
19							3308 VA	3308 VA	2	35 A			20
21	ACCU-1 (#1)		35 A	2		3308 VA	3308 VA					ACCU-2 (#2)	22
23								1872 VA	0 VA				24
25	ACCU-3 (#3) & AC-1 (#5)		25 A	2						2	20 A		26
27	EXTERIOR LIGHTING		20 A	1	1872 VA	0 VA							28
29	EXTERIOR LIGHTING		20 A	1	0 VA	27000 VA		13 VA	27000 VA	2	300 A		30
31	SPARE		20 A	1			0 VA	200 VA	1	20 A		SITE LIGHTING	32
33	SPARE		20 A	1	0 VA	0 VA			1	20 A		SPARE	34
35	SPARE		20 A	1			0 VA	0 VA	1	20 A		SPARE	36
37													38
39	PANEL H		250 A	2	22650 VA	12153 VA			2	200 A		PANEL B	40
41	SPARE		20 A	1	0 VA	0 VA	22150 VA	8751 VA	1	20 A		SPARE	42
					CONNECTED LOAD:		83639 VA		78885 VA				
					EXISTING LOAD:		0 VA		0 VA				
					TOTAL LOAD:		83639 VA		78885 VA		HIGH PHASE		
					FEED THRU AMPS:		0 A		0 A		83639 VA		
					TOTAL AMPS:		697 A		657 A				
CODES:													
1	SEE DRAWINGS FOR CONDUIT & CONDUCTORS			6	EXISTING BREAKER ON, VERIFY SPARE				11	LSI TRIP UNIT			
2	EXISTING BREAKER AND LOAD TO REMAIN			7	NEW BREAKER AND LOAD				12	PROVIDE LOCK ON DEVICE			
3	EXISTING BREAKER AND NEW LOAD			8	GFCI BREAKER				13	AFCI BREAKER			
4	EXISTING BREAKER TO BECOME SPARE			9	DEDICATED BREAKER								
5	EXISTING BREAKER OFF, VERIFY SPARE			10	HANDLE TIED BREAKER								
LOAD CLASSIFICATION													
				CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND		PANEL TOTALS			
Heating				44800 VA		100.00%		44800 VA					
Lighting				7797 VA		125.00%		9747 VA		TOTAL CONN. LOAD: 162524 VA			
Motor				83870 VA		100.00%		83870 VA		TOTAL EST. DEMAND: 160454 VA			
Other				213 VA		100.00%		213 VA		TOTAL CONN.: 677 A			
Power				7700 VA		100.00%		7700 VA		TOTAL EST. DEMAND: 669 A			
Receptacle				18040 VA		77.72%		14020 VA					
Autre				104 VA		100.00%		104 VA					
NOTES:													

NEW PANEL: B															
LOCATION: TICKETING 105					VOLTS: 120/240 Single					A.I.C. RATING: 22KA					
SUPPLY FROM: A					PHASING: 1					CALCULATED A.I.C.:					
MOUNTING: RECESSED					WIRES: 3					MAINS TYPE: MLO					
ENCLOSURE:										MAINS RATING: 200 A					
										BUS RATING: 200 A					
CKT	CIRCUIT DESCRIPTION	CODES	TRIP	POLES	A		B		POLES	TRIP	CODES	CIRCUIT DESCRIPTION	CKT		
1	RECEPT RM 200		20 A	1	1080 VA	1260 VA			1	20 A		RECEPT RM 200	2		
3	RECEPT RM 201		20 A	1			720 VA	720 VA	1	20 A		RECEPT RM 201	4		
5	RECEPT RM 202		20 A	1	360 VA	1218 VA			1	20 A		LIGHTING PRESS BOX	6		
7	RECEPT RM 003 & 006		20 A	1			720 VA	432 VA	1	20 A		LIGHTING LOWER LEVEL	8		
9	RECEPT RM 007 EWC		20 A	1	360 VA	1615 VA			1	20 A		LIGHTING MAIN LEVEL	10		
11	RECEPT RM 107		20 A	1			360 VA	379 VA	1	20 A		LIGHTING EXTERIOR	12		
13	HAND DRYER RM 107		20 A	1	950 VA	1260 VA			1	20 A		RECEPT RM 007 & 008	14		
15	HAND DRYER RM 107		20 A	1			950 VA	900 VA	1	20 A		RECEPT RM 105 & 106	16		
17	RECEPT RM 108		20 A	1	900 VA	950 VA			1	20 A		HAND DRYER RM 107	18		
19	RECEPT RM 108		20 A	1			360 VA	950 VA	1	20 A		HAND DRYER RM 107	20		
21	RECEPT RM 108 WARMER		20 A	1	1200 VA	1000 VA			1	20 A		RECEPT RM 108 FRIDGE	22		
23	RECEPT RM 108 POPCORN		20 A	1			1250 VA	910 VA	1	20 A		RECEPT RM 108 HOT DOG ROLLER	24		
25	SPARE		20 A	1	0 VA	0 VA			1	20 A		EXTERIOR LIGHTING	26		
27	SPARE		20 A	1			0 VA	100 VA	1	20 A		HEAT TRACE	28		
29	SPARE		20 A	1	0 VA	0 VA			1	20 A		SPARE	30		
31	SPARE		20 A	1			0 VA	0 VA	1	20 A		SPARE	32		
33	SPARE		20 A	1	0 VA	0 VA			1	20 A		SPARE	34		
35	SPARE		20 A	1			0 VA	0 VA	1	20 A		SPARE	36		
37	SPARE		20 A	1	0 VA	0 VA			1	20 A		SPARE	38		
39	SPARE		20 A	1			0 VA	0 VA	1	20 A		SPARE	40		
41	SPARE		20 A	1	0 VA	0 VA			1	20 A		SPARE	42		
					CONNECTED LOAD:		12153 VA		8751 VA						
					EXISTING LOAD:		0 VA		0 VA						
					TOTAL LOAD:		12153 VA		8751 VA					HIGH PHASE	
					FEED THRU AMPS:		0 A		0 A					12153 VA	
					TOTAL AMPS:		101 A		73 A						
CODES:															
1	SEE DRAWINGS FOR CONDUIT & CONDUCTORS			6	EXISTING BREAKER ON, VERIFY SPARE					11	LSI TRIP UNIT				
2	EXISTING BREAKER AND LOAD TO REMAIN			7	NEW BREAKER AND LOAD					12	PROVIDE LOCK ON DEVICE				
3	EXISTING BREAKER AND NEW LOAD			8	GFCI BREAKER					13	AFCI BREAKER				
4	EXISTING BREAKER TO BECOME SPARE			9	DEDICATED BREAKER										
5	EXISTING BREAKER OFF, VERIFY SPARE			10	HANDLE TIED BREAKER										
LOAD CLASSIFICATION															
				CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND		PANEL TOTALS					
Lighting				3644 VA		125.00%		4555 VA							
Power				3900 VA		100.00%		3900 VA		TOTAL CONN. LOAD: 20904 VA					
Receptacle				13360 VA		87.43%		11680 VA		TOTAL EST. DEMAND: 20135 VA					
										TOTAL CONN.: 87 A					
										TOTAL EST. DEMAND: 84 A					
NOTES:															