

RENOVATIONS AND ADDITIONS FOR REPUBLIC WIRE INC.

5525 UNION CENTRE DRIVE
WEST CHESTER, OH 45069

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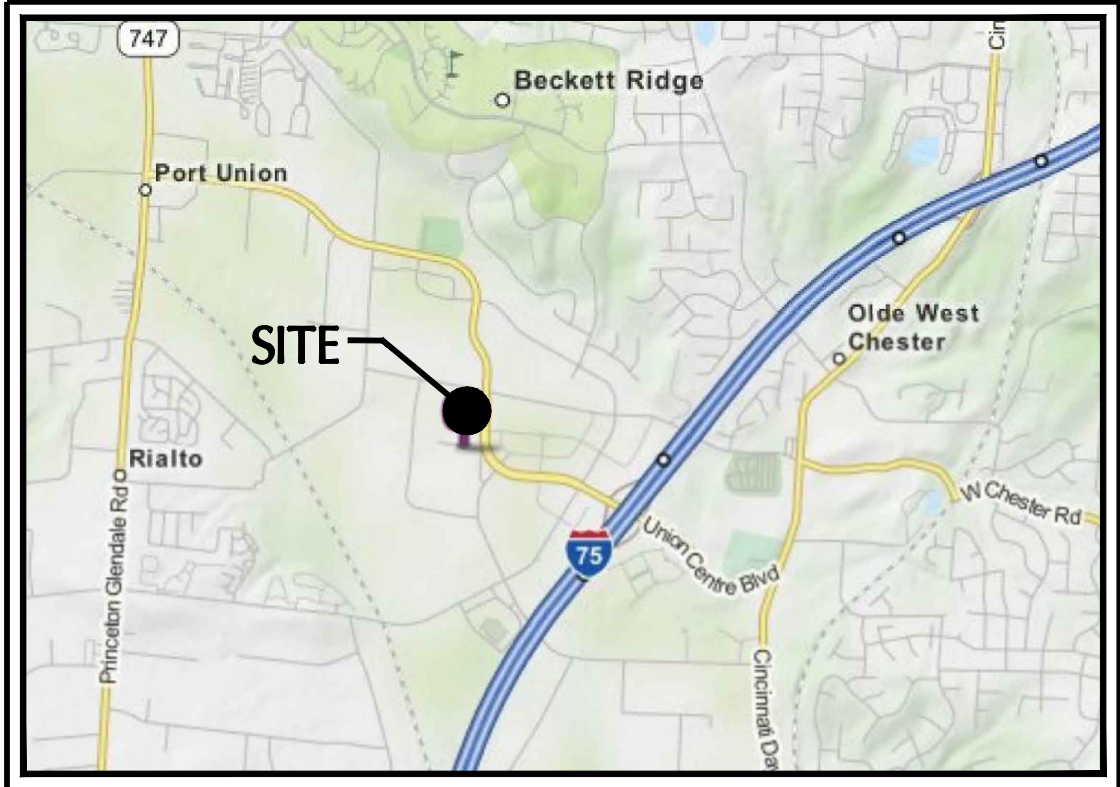
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ARCHITECTURAL ABBREVIATIONS

AB	ANCHOR BOLT	CONT.	CONTINUOUS	GA	GALVE	N/C	NOT IN CONTRACT	SS	STAINLESS STEEL
A/E	ARCHITECT/ENGINEER	CONTR.	CONTRACTOR	GALV	GALVANIZED	NOM	NOMINAL	STD	STANDARD
AFF	ABOVE FINISH FLOOR			GRD	GRADE	NT/S	NOT TO SCALE	STL	STEEL
AFO	ABOVE FINISH GRADE	DF	DRINKING FOUNTAIN	GYP	GYPUM			SUSP	SUSPENDED
APPROX.	APPROXIMATE	DM	DIAMETER	GYPBD	GYPUM WALLBOARD	OC	ON CENTER	SYM	SYMMETRICAL
ARCH	ARCHITECT	DM	DIMENSION			OD	OUTSIDE DIAMETER		
AVG	AVERAGE	DL	DEAD LOAD	HBD	HARDBOARD	OPP	OPPOSITE	T	TREAD
		DN	DOWN	HDR	HEADER			THRU	THROUGH
B	BASLINE/BUILDING LINE	DS	DOWNSPOUT	HGT	HEIGHT	R	PROPERTY LINE/PLATE	T/M	TOP OF MASONRY
B/D	BACK TO BACK	DWS	DRAWING	HM	HOLLOW METAL	PLYWD	PLYWOOD	T/SLAB	TOP OF SLAB
BD	BOARD					PSF	POUNDS PER SQUARE FOOT	TV	TELEVISION
B/FTG	BOTTOM OF FOOTING	ELIP/S	EXTERIOR INSULATION AND FINISH SYSTEM	ID	INSIDE DIAMETER	PTFR	PRESSURE TREATED FIRE RESISTANT	T/WALL	TOP OF WALL
BLDG	BUILDING	ELEC	ELECTRICAL	IN	INCH			TYP.	TYPICAL
BLK	BLOCK	EOP	EDGE OF PAVEMENT	INVT	INVERT				
BLKG	BLOCKING	EQ	EQUAL	INCL	INCLUDE	R	RADIUS/RISER	UNO	UNLESS NOTED OTHERWISE
BOT	BOTTOM	EQU	EQUIPMENT	INSL	INSULATION	RD	ROOF DRAIN	VCT	VINYL COMPOSITION TILE
BRG	BEARING	EWG	ELEC. WATER COOLER			REF	REFERENCE	VERT	VERTICAL
BSMT	BASEMENT	EXP	EXPANSION			REQD	REQUIRED	VEST	VESTIBULE
BYD	BEYOND	EXIST	EXISTING			REV	REVISION	VIF	VERIFY IN FIELD
						RM	ROOM		
E	CENTERLINE	FD	FLOOR DRAIN			R/O	ROUGH OPENING	W/	WITH
CB	CATCH BASIN	FDN	FOUNDATION			R/W	RIGHT OF WAY	WC	WATER CLOSET
CJ	CONTROL JOINT	FF	FIRE EXTINGUISHER					WM	WATER METER
CLG	CEILING	FF	FIRE					W/O	WITHOUT
CL	CLEAR	FM	FIRE HYDRANT					WWF	WELDED WIRE FABRIC
CMU	CONCRETE MASONRY UNIT	FIN	FINISH			SF	SQUARE FEET/FOOT	YD	YARD DRAIN
CO	CLEANOUT	FLR	FLOOR			SH	SHEET		
COL	COLUMN	FT	FEET/FOOT			SH	SHEET		
CONC	CONCRETE	FTG	FOOTING			SIM	SIMILAR		
CONST.	CONSTRUCTION	F/F	FACE TO FACE			SPEC	SPECIFICATION		
CONST. JT.	CONSTRUCTION JOINT	FURR	FURRED			SM	SHEET METAL		
						SQ	SQUARE		

VICINITY MAP



CODE NOTES

1. PROJECT DESCRIPTION:
REPUBLIC WIRE'S EXISTING FACILITY IS AN EXISTING 322,169 S.F. BUILDING WITH OFFICE SPACE, WAREHOUSE STORAGE SPACE MANUFACTURING SPACE. THE PRIMARY FUNCTION WITHIN THE EXISTING BUILDING IS DOCK STAGING AND STORAGE OF WIRE. REPUBLIC WIRE PROPOSES TWO NEW, SINGLE STORY ADDITIONS (27,495 S.F. AND 17,106 S.F.) THAT WILL EXTEND THE OFFICE AND WIRE STORAGE AREAS APPROXIMATELY 40FT TO THE EAST, AND INFILL THE LOADING DOCK AREA WITH MORE STORAGE AND DISTRIBUTION AREAS. THE NEW ADDITIONS WILL BE STEEL FRAMING WITH C.M.U. EXTERIOR WALLS. THE EXISTING BUILDING IS FULLY SPRINKLERED AND THE NEW ADDITIONS WILL ALSO BE FULLY SPRINKLERED. THE TOTAL COMBINED SQUARE FOOTAGE OF THE EXISTING BUILDING AND NEW ADDITIONS WILL BE 366,770 S.F.

STAFFING FOR THE REPUBLIC WIRE FACILITY HAS BEEN ESTABLISHED AT A MAXIMUM OF 40 EMPLOYEES ON THE FIRST SHIFT. THE SECOND SHIFT AND THIRD SHIFT STAFFING REQUIREMENTS REDUCE TO 12 EMPLOYEES FOR EACH SHIFT. THE SHIFTS ARE STAGGERED BY 20 MIN. BETWEEN THE ENDING OF ONE SHIFT AND THE START OF THE NEXT SHIFT.

2. APPLICABLE CODES

2.1. OHIO BUILDING CODE (2011)

3. USE GROUP CLASSIFICATIONS (O.B.C. CHAPTER 3) MIXED USE:

3.1. EXISTING BUILDING
3.1.1 S-2 LOW-HAZARD STORAGE (O.B.C. SECTION 311) 214,872 S.F. (STORAGE OF WIRE)
3.1.2 F-2 LOW-HAZARD FACTORY (O.B.C. SECTION 306) 98,200 S.F. (MANUFACTURING OF WIRE)
3.1.3 B BUSINESS (O.B.C. SECTION 304) 9,097 S.F. (OFFICE SPACE)
TOTAL EXISTING S.F. = 322,169 S.F.

3.1. NEW ADDITIONS
3.1.1 S-2 LOW-HAZARD STORAGE (O.B.C. SECTION 311) 42,861 S.F. (STORAGE OF WIRE)
3.1.2 B BUSINESS (O.B.C. SECTION 304) 1,740 S.F. (OFFICE SPACE)
TOTAL NEW S.F. = 44,601 S.F.
TOTAL S.F. = 366,770 S.F.

4. TYPE OF CONSTRUCTION (O.B.C. CHAPTER 6, TABLE 601)

4.1. TYPE IIB

5. HEIGHT AND AREA LIMITATIONS (O.B.C. CHAPTER 5, TABLE 503)

5.1. ALLOWABLE HEIGHT

5.1.1. 3 STORIES, 55 FEET (IIB CONSTRUCTION - TABLE 503)

5.1.2. ACTUAL: 1 STORY - 29'-4" VERTICAL DISTANCE FROM GRADE PLAN TO HIGHEST ROOF SURFACE

5.2. ALLOWABLE AREA

5.2.1. UNLIMITED AREA BUILDING PER O.B.C. SECTION 507 (NEW ADDITIONS TO BE FULLY SPRINKLERED)

5.2.2. O.B.C. 507.3: SPRINKLERED ONE STORY. THE AREA OF A GROUP B, F, M OR S BUILDING NO MORE THAN 1 STORY ABOVE GRADE PLANE OR A GROUP A-4 BUILDING NO MORE THAN ONE STORY ABOVE GRADE PLANE OF OTHER THAN TYPE V CONSTRUCTION, SHALL NOT BE LIMITED WHEN THE BUILDING IS PROVIDED WITH AN AUTOMATIC SPRINKLER SYSTEM THROUGHOUT IN ACCORDANCE WITH SECTION 903.3.1.1 AND IS SURROUNDED AND ADJOINED BY PUBLIC WAYS OR YARDS NOT LESS THAN 60 FEET (18 288 mm) IN WIDTH.

5.2.3. O.B.C. 507.5: REDUCED OPEN SPACE. THE PUBLIC WAYS OR YARDS OF 60 FEET (18 288 mm) IN WIDTH REQUIRED IN SECTIONS 507.2, 507.3, 507.4, 507.6 AND 507.11 SHALL BE PERMITTED TO BE REDUCED TO NOT LESS THAN 40 FEET (12 192 mm) IN WIDTH PROVIDED ALL OF THE FOLLOWING REQUIREMENTS ARE MET:

1. THE REDUCED WIDTH SHALL NOT BE ALLOWED FOR MORE THAN 75 PERCENT OF THE PERIMETER OF THE BUILDING.

2. THE EXTERIOR WALLS FACING THE REDUCED WIDTH SHALL HAVE A MINIMUM FIRE-RESISTANCE RATING OF 3 HOURS

3. OPENINGS IN THE EXTERIOR WALLS FACING THE REDUCED WIDTH SHALL HAVE OPENING PROTECTIVES WITH A MINIMUM FIRE PROTECTION RATING OF 3 HOURS

5.2.4. NEW ADDITION HAS REDUCED OPEN SPACE TO 40'-0" ALONG EAST PROPERTY LINE. SEE SHEET G0.1 FOR LOCATION OF REDUCED AREA. APPROXIMATELY 31% OF THE NEW BUILDING ADDITION PERIMETER IS WITHIN THE 60' OPEN SPACE. EXTERIOR WALL CONSTRUCTION IS C.M.U. AND SHALL ACHIEVE REQUIRED 3-HR RATING AT REDUCED OPEN SPACE LOCATIONS - SEE UL-U904. ALL OPENINGS IN WALLS FACING THE REDUCED OPEN WIDTH SHALL HAVE OPENING PROTECTIVES WITH A MINIMUM FIRE PROTECTION RATING OF 3 HOURS, PER CODE.

5.3. AREA & HEIGHT INCREASES: NONE

6. FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (O.B.C. CHAPTER 6, TABLE 601)

6.1. STRUCTURAL FRAME INCLUDING COLUMNS, GIRDERS, TRUSSES 0 HOUR

6.2. EXTERIOR BEARING WALLS 0 HOUR

6.3. INTERIOR BEARING WALLS 0 HOUR

6.4. EXTERIOR NONBEARING WALLS AND PARTITIONS (TABLE 602) 0 HOUR

6.5. INTERIOR NONBEARING WALLS AND PARTITIONS 0 HOUR

6.6. FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS 0 HOUR

6.7. ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS 0 HOUR

6.8. SPECIAL CONDITIONS

6.8.1. EXTERIOR WALLS REDUCING THE 60' OPEN SPACE REQUIREMENT 3 HOUR

7. FIRE PROTECTION SYSTEMS (O.B.C. CHAPTER 9)

6.1. AN AUTOMATIC SPRINKLER SYSTEM IS INSTALLED IN THE EXISTING BUILDING. AN AUTOMATIC SPRINKLER SYSTEM CONFORMING WITH NFPA 13 SHALL BE INSTALLED IN THE NEW ADDITIONS.

6.2. PORTABLE FIRE EXTINGUISHERS SHALL BE INSTALLED PER O.B.C. SECTION 906 AND NFPA 10

8. MEANS OF EGRESS (O.B.C. CHAPTER 10)

8.1. EXIT ACCESS TRAVEL DISTANCE (O.B.C. TABLE 1016.1 - NEW ADDITION)

8.1.1. NEW ADDITION COMPLIES WITH REQUIREMENTS - SEE SHEET A0.1

TRAVEL DISTANCE WITH SPRINKLER SYSTEM

S-2 400'

B 300'

8.2. COMMON PATH OF EGRESS (O.B.C. SECTION 1014.3)

8.2.1. PER EXCEPTION NUMBER 1, COMMON PATH OF EGRESS DISTANCE IN B AND S OCCUPANCIES SHALL NOT BE MORE THAN 100' - FULLY SPRINKLERED - SEE SHEET G0.1

8.3. OCCUPANCY CLASSIFICATION

8.2.1. BUSINESS = 10,839 SF AT 100 SF PER OCC = 109 OCC

STORAGE = 355,933 SF AT 500 SF PER OCC = 712 OCC

8.2.2. DUE TO THE NATURE OF THIS BUSINESS, THE OCCUPANCY REQUIREMENTS AS STATED BY THE O.B.C. IS EXCESSIVE FOR THE ACTUAL OCCUPANT COUNT IN THIS BUILDING. THE OWNER HAS ESTABLISHED THAT THE EMPLOYEE STAFFING FOR THE EXISTING BUILDING AND NEW ADDITION IS 72 OCCUPANTS FOR THE FIRST SHIFT, 30 OCCUPANTS FOR THE SECOND SHIFT, AND 26 OCCUPANTS FOR THE THIRD SHIFT.

9. PLUMBING FIXTURE REQUIREMENTS (O.B.C. CHAPTER 29)

9.1. CLASSIFICATIONS: BUSINESS AND STORAGE

9.2. NEW RESTROOM FACILITIES CONSIST OF NEW MEN'S AND WOMEN'S GANG RESTROOMS AND A SINGLE UNISEX RESTROOM

BUSINESS OCCUPANCY - 108 OCCUPANTS PER O.B.C. CALCULATIONS -- LESS THAN 75 ACTUAL

	WATER CLOSETS (M/F)	LAVATORIES (M/F)	URINALS	DRINKING FOUNTAIN	SERVICE SINK
REQUIRED:	1 PER 50 = 3M/3F	1 PER 80 = 2M/2F	<50% of WC	1 PER 100 = 2	1
PROVIDED:	3M / 3F / 2U	2M / 2F / 1U	2	2	1

STORAGE OCCUPANCY - 712 OCCUPANTS PER O.B.C. CALCULATIONS -- LESS THAN 75 ACTUAL

	WATER CLOSETS (M/F)	LAVATORIES (M/F)	URINALS	DRINKING FOUNTAIN	SERVICE SINK
REQUIRED:	1 PER 100 = 4M/4W	1 PER 100 = 4M/4W	<50% of WC	1 PER 1,000 = 1	1
PROVIDED:	11M / 3F / 1U	3M / 2F / 1U*	7	1	1

* CORNER WASHFOUNTAIN AT MENS AND WOMENS RESTROOM ALLOWS FOR MULTIPLE USERS

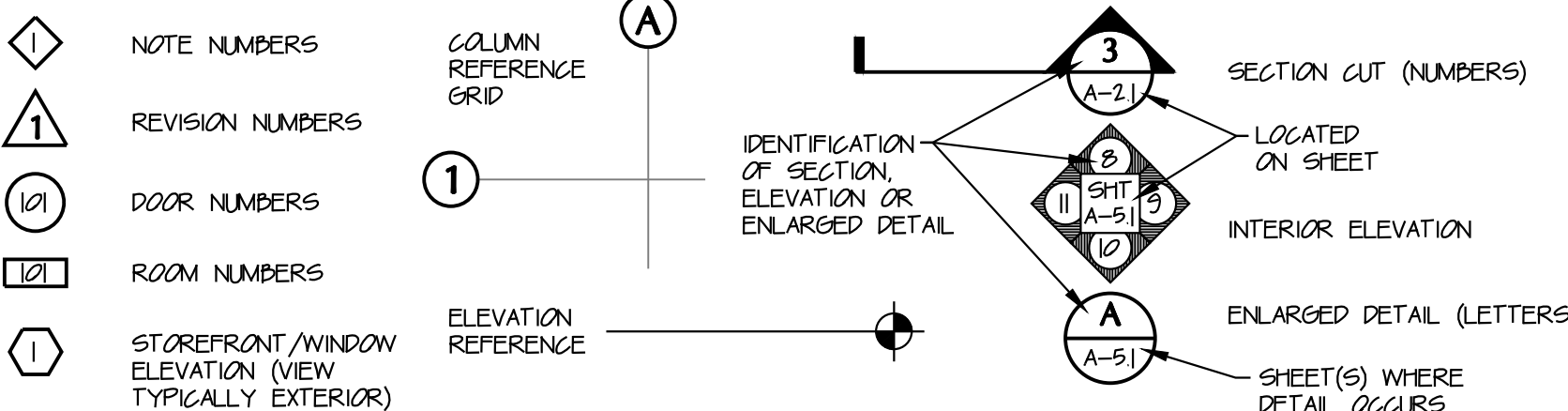
10. PARKING

10.1. SEE SHEET G0.1 FOR PARKING REQUIREMENTS

11. MISCELLANEOUS

11.1. SPRINKLER DRAWINGS TO BE SUBMITTED UNDER SEPARATE PERMIT BY OTHERS.

GRAPHIC SYMBOLS



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RENOVATIONS AND ADDITIONS

FOR
Republic Wire

UNION CENTRE DRIVE
WEST CHESTER, OHIO 45069

Sheet Title

COVER SHEET & CODE NOTES

Project No.

97333.33

Scale

AS NOTED

Sheet No.

G0.0

File No.

97 333

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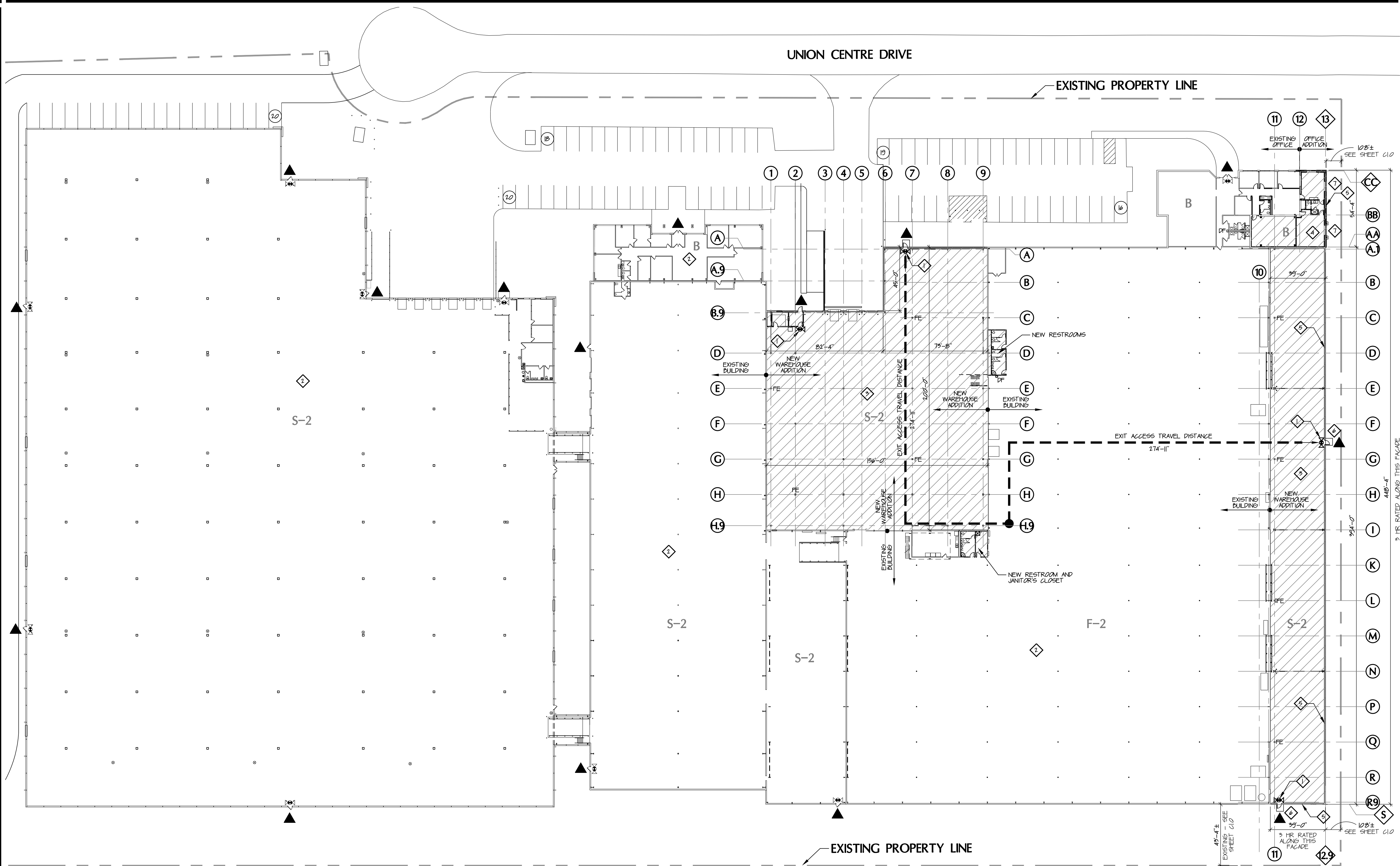
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PROJECT REFERENCE AND EGRESS PLAN

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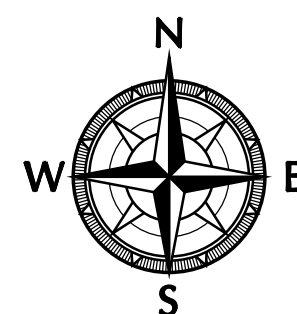
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PROJECT REFERENCE AND EGRESS PLAN







SCALE: $1/32" = 1'-0"$



GENERAL NOTES

1. SEE OVERALL PLANS AND ENLARGED PLANS FOR BUILDING CONSTRUCTION
2. ALL EXISTING EMERGENCY EXITS FROM EXISTING BUILDING TO BE MAINTAINED
3. SEE CIVIL DRAWINGS FOR ALL NEW SITE WORK AND COMPLETE SITE PLAN
4. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL EGRESS LIGHTING NOT SHOWN ON THIS SHEET

SYMBOL LEGEND

- | | |
|---|---|
|  | GROSS MATCH DENOTES NEW CONSTRUCTION |
|  | EGRESS DOOR |
|  | MOST REMOTE POINT OF SPACE |
|  | PATH OF EGRESS TRAVEL |
|  | ILLUMINATED EMERGENCY EXIT SIGN AND
EMERGENCY LIGHTING |
|  | FIRE EXTINGUISHER |

ZONING NOTES

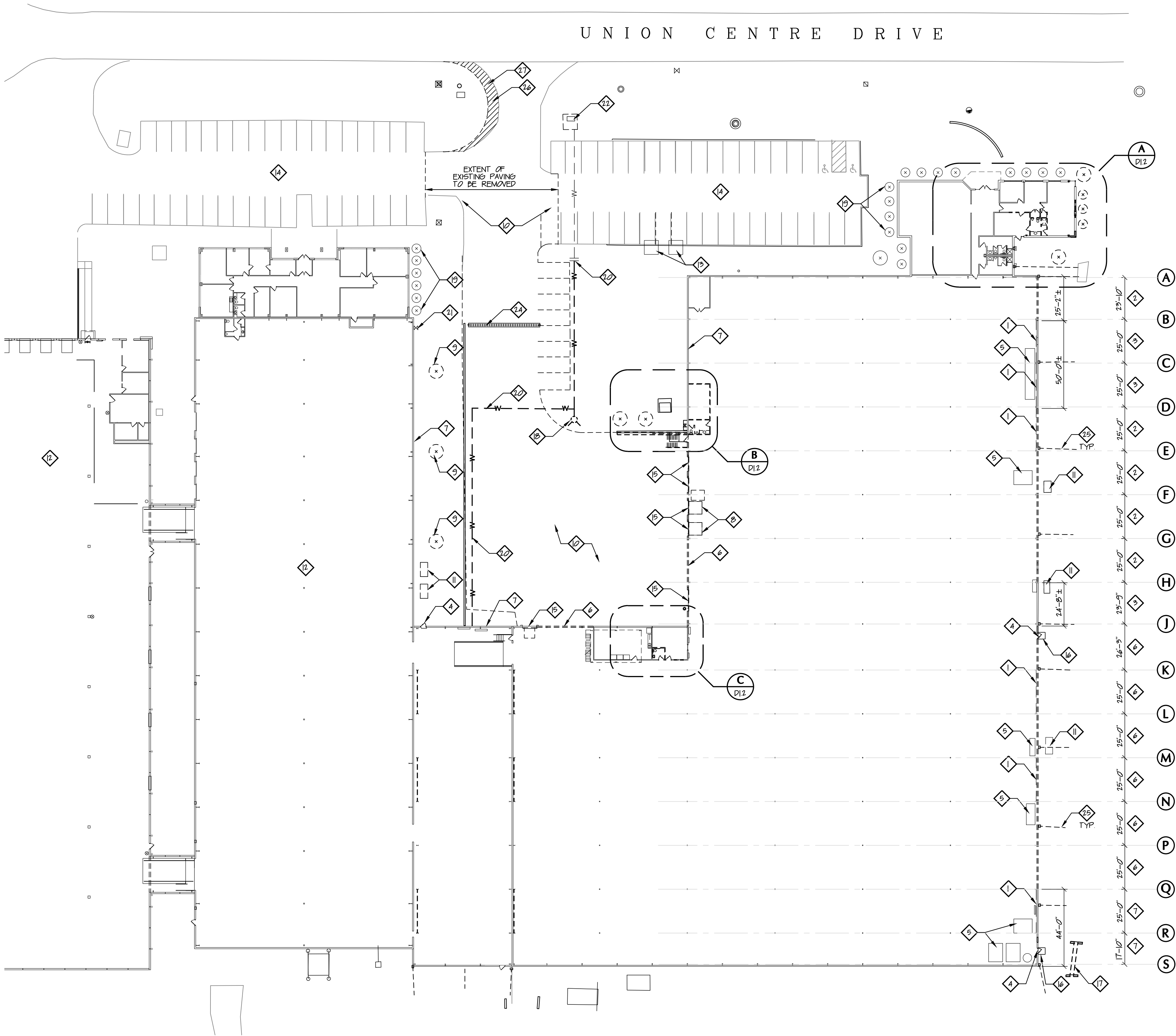
M-2 GENERAL INDUSTRIAL DISTRICT

<u>PARKING REQUIREMENTS</u>	<u>TOTAL SF</u>	<u>REQUIRED SPACES</u>
OFFICE:	10837	37
WAREHOUSE:	355,993	119
<u>TOTAL REQUIRED PER CODE:</u>		156
<u>TOTAL EMPLOYEES AT LARGEST SHIFT:</u>		72
- SEE CODE NOTE 8.2.2. ON G.0		
<u>TOTAL PROVIDED</u>		93

DRAWING NOTES

- 1 NEW ILLUMINATED EMERGENCY EXIT SIGN AND EMERGENCY LIGHTING
- SEE ELECTRICAL DRAWINGS
- 2 EXISTING BUILDING - NO WORK IN THIS AREA
- 3 NEW WAREHOUSE ADDITION
- 4 NEW OFFICE ADDITION
- 5 3 HOUR RATED WALL - SEE PLANS
- 6 3 HOUR RATED DOOR - SEE PLANS
- 7 3 HOUR RATED FIRE SHUTTER - SEE PLANS

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OVERALL DEMOLITION PLAN

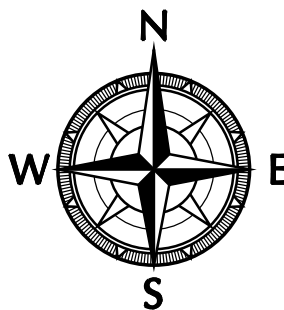
SCALE: 1/32" = 1'-0"

GENERAL DEMOLITION NOTES

- ALL DIMENSIONS ARE TO FINISHED SURFACE UNLESS OTHERWISE NOTED.
- ANY DIMENSIONS THAT ARE PLUS-OR-MINUS (+) SHALL BE VERIFIED IN FIELD PRIOR TO CONSTRUCTION. IF ANY DISCREPANCY IS FOUND THAT WILL AFFECT THE CONSTRUCTION LAYOUT, SCHEDULE, OR COST, WORK SHALL BE STOPPED AND THE DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT SO THAT A RESOLUTION MAY BE OBTAINED.
- GENERAL CONTRACTOR SHALL COORDINATE ALL SLAB AND WALL OPENINGS REQUIRED BY MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS.
- SEQUENCE PERFORMANCE OF ALL WORK WITH OWNER / ARCHITECT PRIOR TO START OF CONSTRUCTION.
- ALL HOT WORK (WELDING, BRAZING, SOLDERING, GRINDING OR OTHER WORK THAT CREATES A SPARK OR FLAME) WILL REQUIRE A HOT WORK PERMIT ISSUED BY THE OWNER. NO HOT WORK WILL BE PERMITTED WHILE ANY PORTION OF THE FIRE PROTECTION SYSTEM IS IMPAIRED (E.G. WHEN THE SPRINKLER SYSTEM IS BEING MODIFIED).
- ANY WORK TO THE FIRE PROTECTION SYSTEM MUST BE COORDINATED WITH THE OWNER AT LEAST ONE WEEK IN ADVANCE SO THAT THE OWNER CAN MAKE NECESSARY ARRANGEMENTS.
- ANY OVERHEAD CRANE WORK (SUCH AS SETTING HVAC UNITS) MUST BE COORDINATED WITH THE OWNER AT LEAST 2 WEEKS IN ADVANCE SO THAT ARRANGEMENTS CAN BE MADE TO CLOSE ACCESS TO AREAS UNDERNEATH.
- INTERNAL COMBUSTION ENGINES OPERATED INSIDE THE BUILDING MUST BE LIMITED TO THOSE POWERED BY LIQUEFIED PROPANE (LP GAS). DIESEL ENGINES WILL BE CONSIDERED AS AN ALTERNATIVE IN THE WORK SPACE ONLY IF A LP VERSION OF THE EQUIPMENT IS NOT AVAILABLE. DIESEL POWERED ENGINE USE SHALL BE DISCUSSED WITH AND APPROVED BY OWNER PRIOR TO OPERATION. IF A DIESEL ENGINE IS USED, SCRUBBERS MUST BE USED. CONSTRUCTION AREA SHALL BE SEALED OFF FROM WAREHOUSE AREA WITH FULL HEIGHT OPAQUE BARRIER TO RESTRICT THE PASSAGE OF DUST, SMOKE AND FUMES. THE CONSTRUCTION AREA SHALL BE VENTILATED TO THE BUILDING EXTERIOR BY EXHAUSTING A SUITABLE AMOUNT OF AIR SO AS NOT TO PRESENT A HAZARD TO PEOPLE WORKING IN OR AROUND THE WORK SPACE. CONTRACTOR SHALL UTILIZE OPENINGS IN EXISTING PRECAST WALL AND SHALL UTILIZE FANS OR SIMILAR APPARATUS TO PROPERLY VENTILATE SPACE AS REQUIRED. CONTRACTOR SHALL COORDINATE SCHEDULING OF WORK WHICH SHALL GENERATE NOISE, DUST, OR SMOKE WITH THE OWNER TO DETERMINE OPTIMAL TIME-FRAME FOR COMPLETION OF WORK.
- DELIVERY OF OVERSIZED STEEL COMPONENTS (BEAMS, JOISTS, ETC.) MUST BE COORDINATED WITH OWNER AT LEAST ONE WEEK IN ADVANCE SO THAT ARRANGEMENTS CAN BE MADE NOT TO INTERFERE WITH DAILY OPERATIONS. DELIVERIES OF OVERSIZED MATERIALS MAY REQUIRE DELIVERY DURING NON STANDARD BUSINESS HOURS, OR REQUIRE OFFLOADING OUTSIDE.
- REPUBLIC WIRE IS A SMOKE FREE FACILITY. SMOKING IS PERMITTED IN DESIGNATED AREAS ONLY OUTSIDE THE BUILDING.
- CONTRACTOR SHALL PROVIDE HEAVY DUTY PLASTIC DUST PARTITIONS OR TEMPORARY GYPSUM BOARD SEPARATION WALLS AT ALL LOCATIONS OF DEMOLITION WORK. COORDINATE LOCATION OF TEMPORARY SEPARATION WALLS AND TEMPORARY PLASTIC PARTITIONS WITH OWNER PRIOR TO START OF CONSTRUCTION - CONTRACTOR SHALL CONTROL AND PREVENT SPREAD OF DUST AND DIRT TO AREAS OF EXISTING OFFICE NOT INCLUDED IN RENOVATION.

DEMOLITION NOTES

- EXISTING STRUCTURAL CROSS BRACING TO REMAIN
- REMOVE EXISTING CMU WALL SHOWN AS DASHED - FULL HEIGHT - REMOVE HEADER GIRT WHERE CMU WALL IS TO BE REMOVED
- EXISTING CMU TO REMAIN AT LOCATION OF WALL MOUNTED EQUIPMENT TO REMAIN - COORDINATE LOCATION IN FIELD
- EXISTING DOOR, FRAME, AND EXIT SIGN TO BE REMOVED
- EXISTING EQUIPMENT TO REMAIN
- REMOVE EXISTING METAL PANELS FROM FINISH FLOOR TO HORIZONTAL GIRT AT 13'-6" AFF. - GIRTS AND METAL PANELS AT AND ABOVE 13'-6" AFF. TO REMAIN - REMOVE EXISTING GIRT AT 7'-6" AFF.
- EXISTING GIRTS, METAL PANEL, INSULATION AND APPURTENANCES AT THIS DAY TO REMAIN
- EXISTING DOOR LEVELER EQUIPMENT SHALL BE REMOVED, SALVAGED AND RE-USED AT NEW DOCK AREA
- EXISTING TREES TO BE REMOVED
- EXISTING CONCRETE PAVING TO BE REMOVED IN PREPARATION FOR NEW BUILDING ADDITION
- EXISTING CHILLERS TO BE RELOCATED BY OWNER - CONTRACTOR TO REMOVE CONCRETE PADS
- EXISTING BUILDING - NO DEMOLITION IN THIS AREA
- EXISTING TRANSFORMERS
- EXISTING ASPHALT PAVING TO REMAIN
- REMOVE EXISTING OVERHEAD DOOR
- REMOVE EXISTING CONCRETE PAD
- REMOVE EXISTING HEADWALLS AND STORM PIPES
- EXISTING FIRE HYDRANT TO BE RELOCATED - SEE CIVIL DRAWINGS FOR NEW LOCATION
- EXISTING LANDSCAPING TO REMAIN
- REMOVE EXISTING WATER LINE TO POINT OF NEW FIRE HYDRANT LOCATION - SEE CIVIL DRAWINGS - SEE NEW WORK FOR EXTENSION TO SPRINKLER RISER THROUGH BUILDING
- EXISTING GAS METER TO REMAIN
- EXISTING WATER VALVE CHAMBER TO REMAIN
- EXISTING TRANSFORMER TO BE RELOCATED BY OWNER
- EXISTING TRENCH DRAIN TO BE REMOVED
- EXISTING DOWNSPOUT AND STORM PIPE TO BE REMOVED
- RELOCATE BOULDERS AND COORDINATE WITH OWNER FOR NEW LOCATION
- STRIP TOPSOIL - COORDINATE WITH NEW WORK



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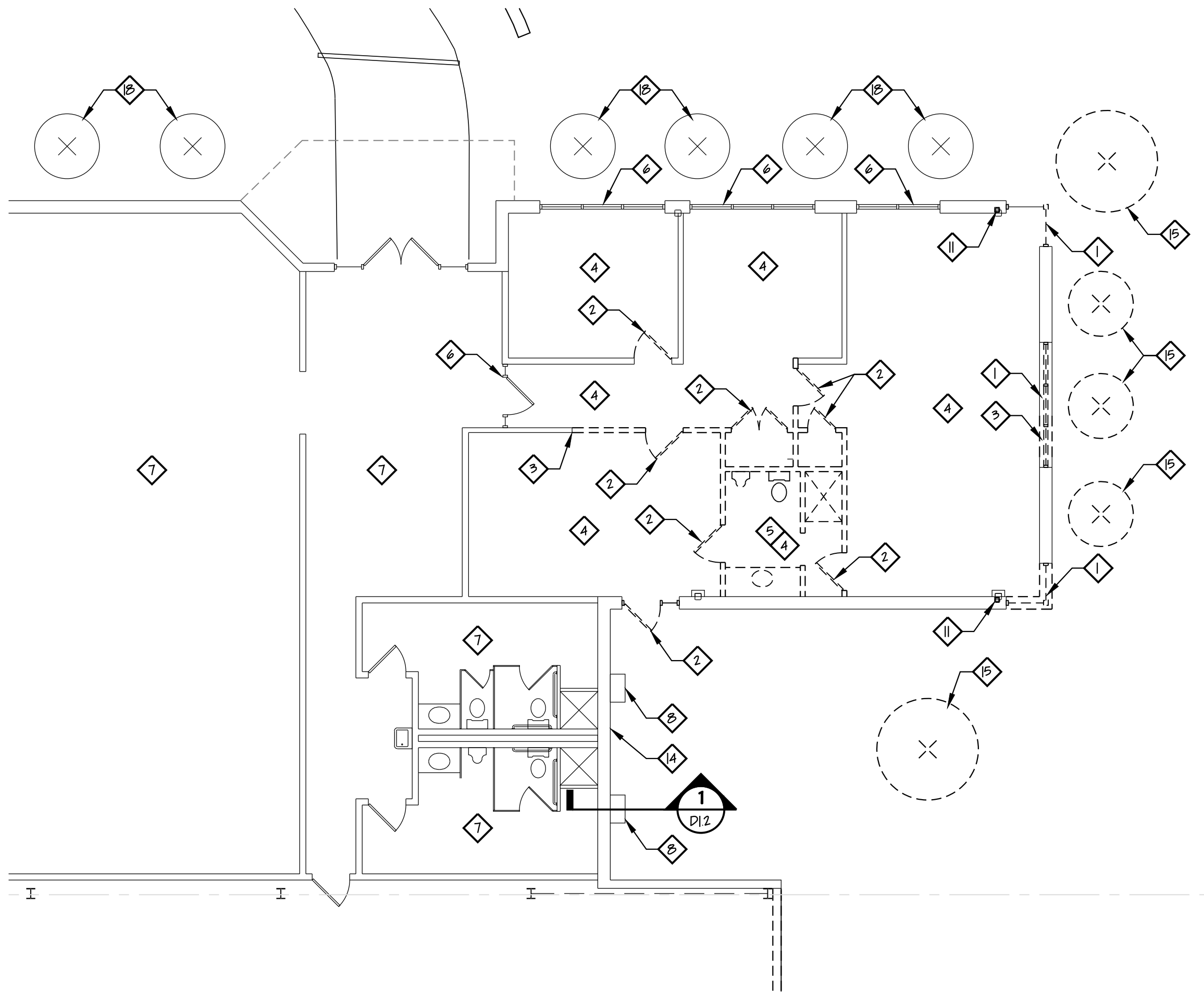
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UNION CENTRE DRIVE
WEST CHESTER, OHIO 45069

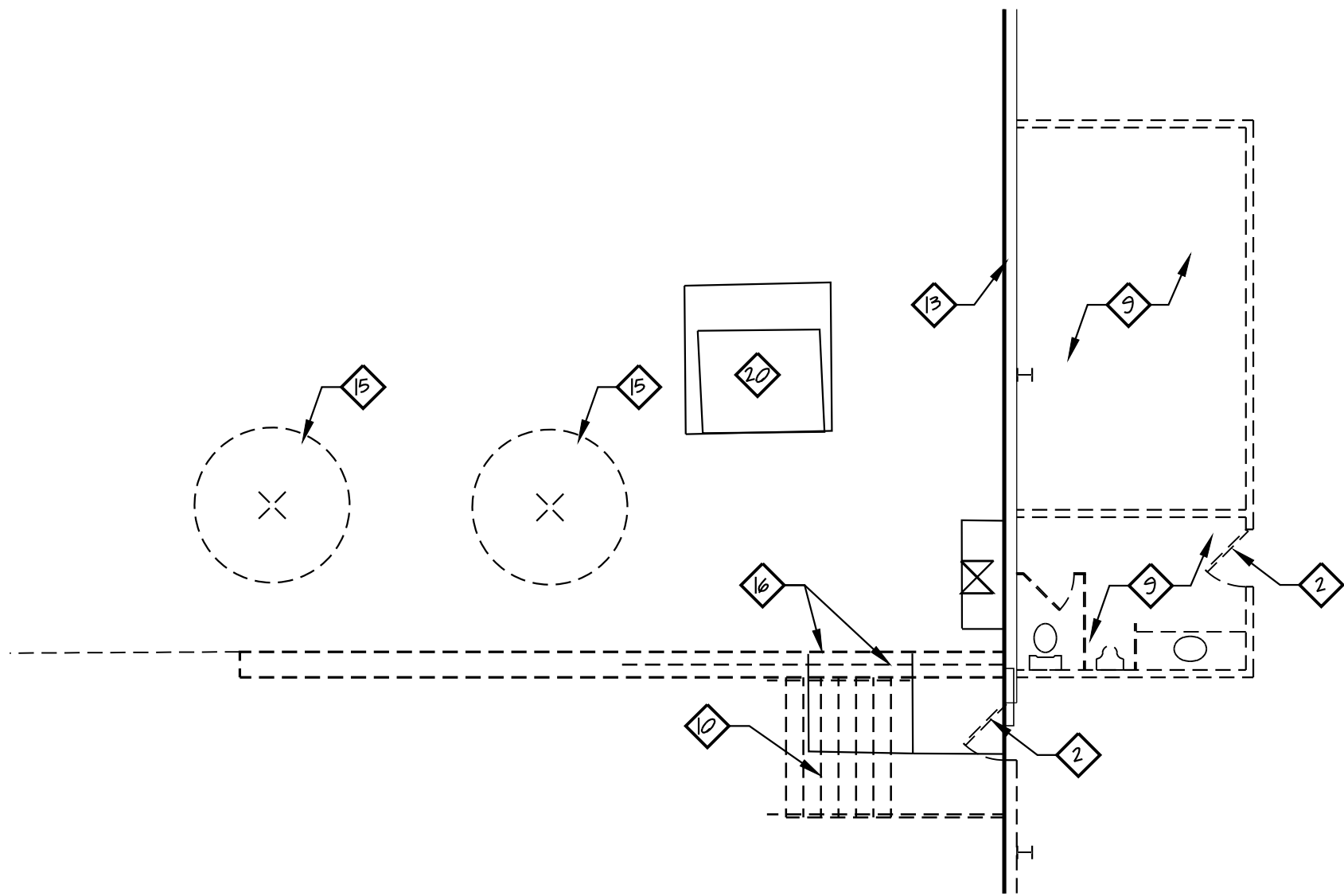
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Project No.	97333.33		
Scale	AS NOTED		
Sheet No.	D1.1		
File No.	97333 33		



ENLARGED DEMOLITION PLAN

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

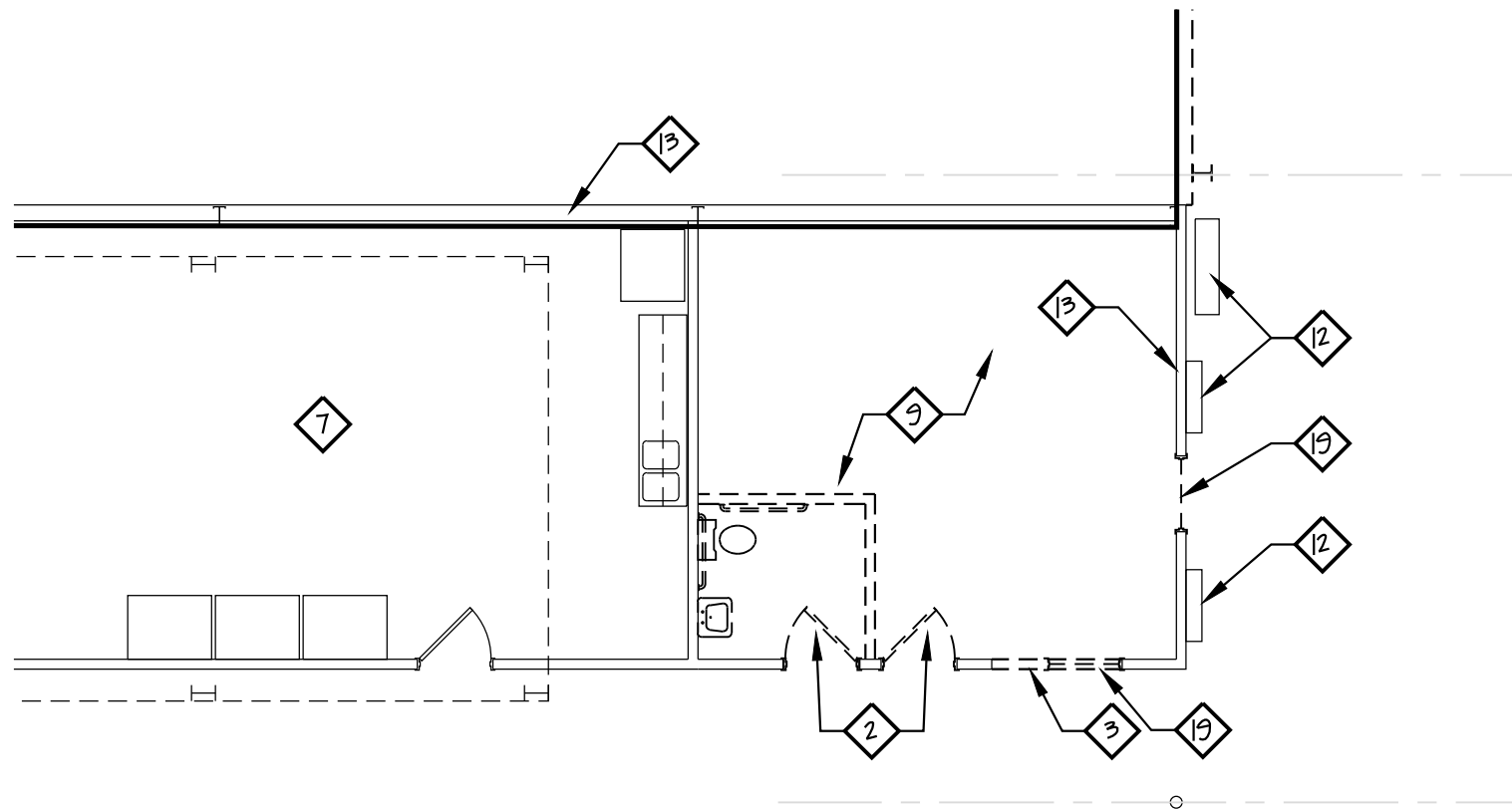
A
D11



ENLARGED DEMOLITION PLAN

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

B
D11



ENLARGED DEMOLITION PLAN

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

C
D11

DEMOLITION NOTES

- 1 REMOVE EXISTING WINDOW SYSTEM - EXISTING LINTEL ABOVE TO REMAIN
- 2 REMOVE EXISTING DOOR, FRAME AND HARDWARE
- 3 REMOVE PORTION OF EXISTING WALL AS REQUIRED TO ALLOW FOR NEW DOOR - SEE NEW WORK PLANS
- 4 EXISTING FLOOR AND CEILING FINISHES IN THIS AREA TO BE REMOVED
- 5 ALL EXISTING RESTROOM FIXTURES AND ACCESSORIES TO BE REMOVED - COORDINATE EXISTING ROUGH-INS WITH NEW WORK
- 6 PROTECT EXISTING CONSTRUCTION DURING DEMOLITION
- 7 NO DEMO WORK IN THIS AREA
- 8 REMOVE EXISTING SCUPPER BOX AND DOWNSPOUT - SEE NEW ROOF PLAN
- 9 ALL WALLS, CEILINGS, FIXTURES, FINISHES, ETC. SHOWN AS DASHED IN THIS AREA SHALL BE REMOVED COMPLETELY - COORDINATE WITH NEW WORK PLANS - CAP ALL UTILITIES AS REQUIRED
- 10 EXISTING METAL STAIRS AND GUARDRAIL TO BE REMOVED
- 11 EXISTING STRUCTURE TO REMAIN - VERIFY SIZE AND LOCATION IN FIELD
- 12 EXISTING UTILITY EQUIPMENT TO REMAIN
- 13 EXISTING WALL TO REMAIN - COORDINATE WITH NEW WORK
- 14 REMOVE PORTION OF PARAPET WALL ABOVE TO ALLOW TIE-IN WITH NEW ROOF SYSTEM - SEE DETAILS
- 15 REMOVE EXISTING TREE
- 16 EXISTING RETAINING WALL AND GUARDRAIL TO BE REMOVED
- 17 REMOVE EXISTING LANDSCAPING
- 18 EXISTING LANDSCAPING TO REMAIN
- 19 REMOVE EXISTING INTERIOR WINDOW - SEE NEW WORK DRAWINGS FOR INFILL
- 20 EXISTING UTILITIES TO BE REMOVED BY OTHERS - REMOVE EXISTING CONCRETE PAD - SEE CIVIL DRAWINGS



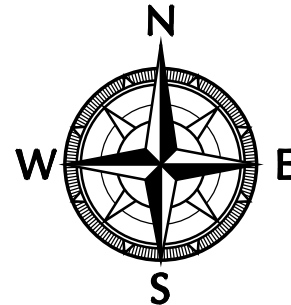
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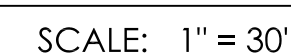
Drawn By	DCC	Project Mgr.	RGM
CAD File	9733333-4G1		
X-Ref File			
Issue/Revision	Revision Number	Date	
BID / PERMIT		05/25/17	

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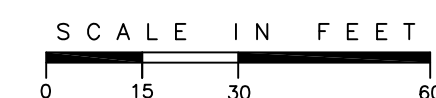
RENOVATIONS AND ADDITIONS
FOR
Republic Wire
UNION CENTRE DRIVE
WEST CHESTER, OHIO 45069

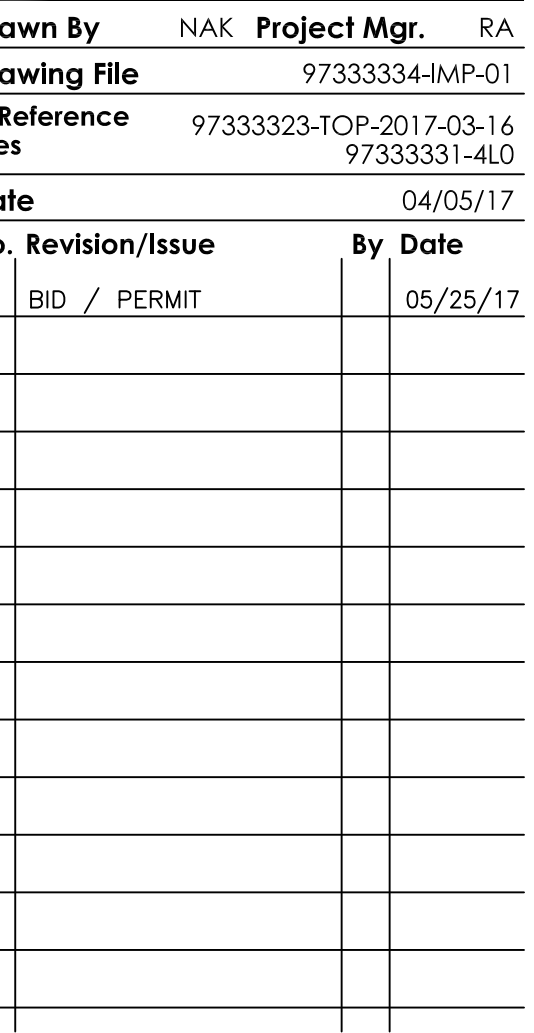
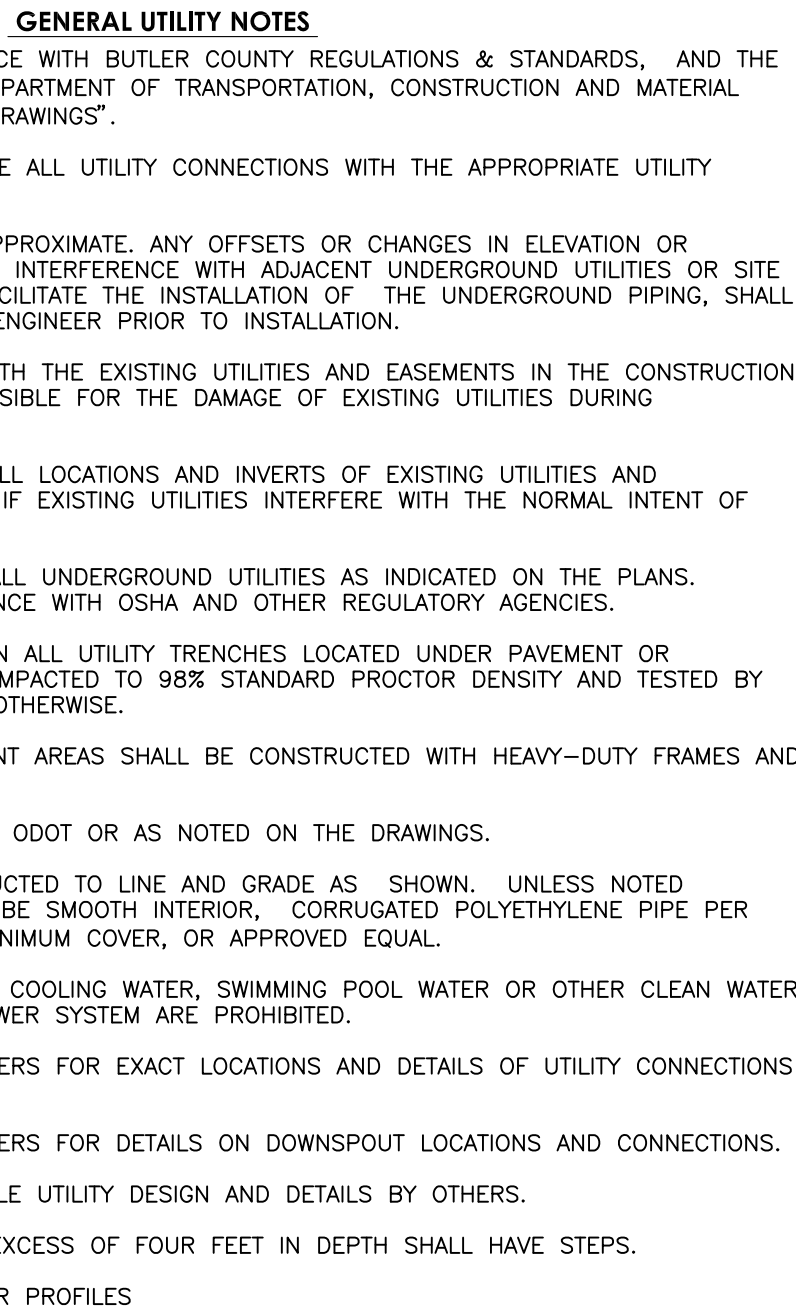
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Scale	AS NOTED		
Sheet No.	D1.2		
File No.	97333 33		



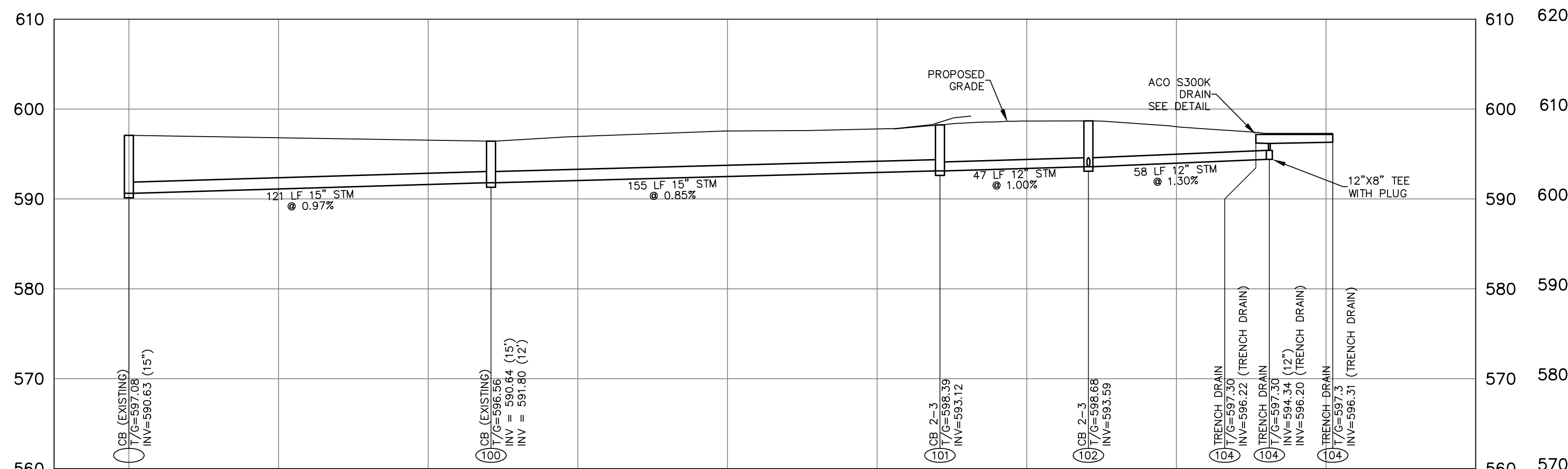
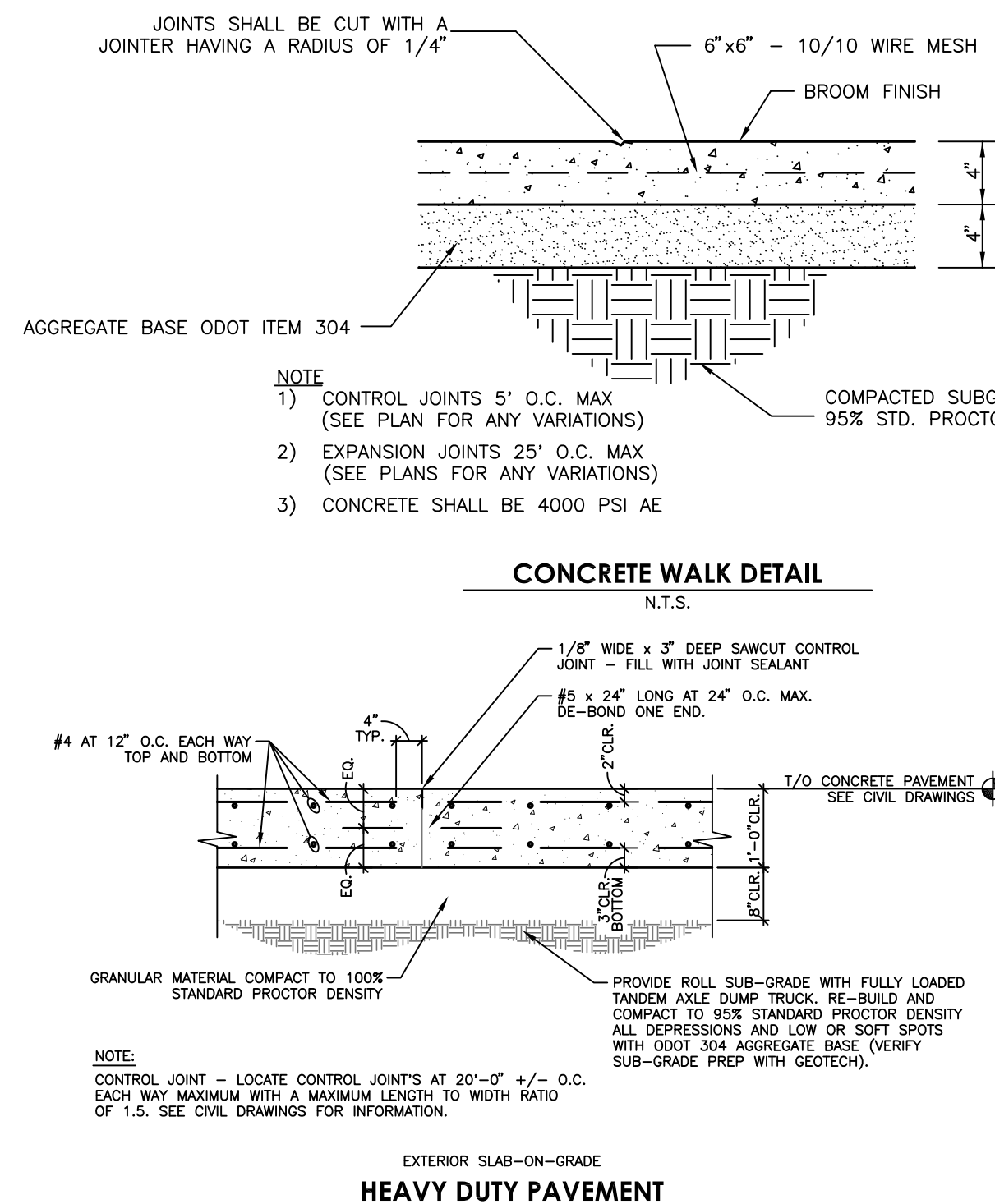
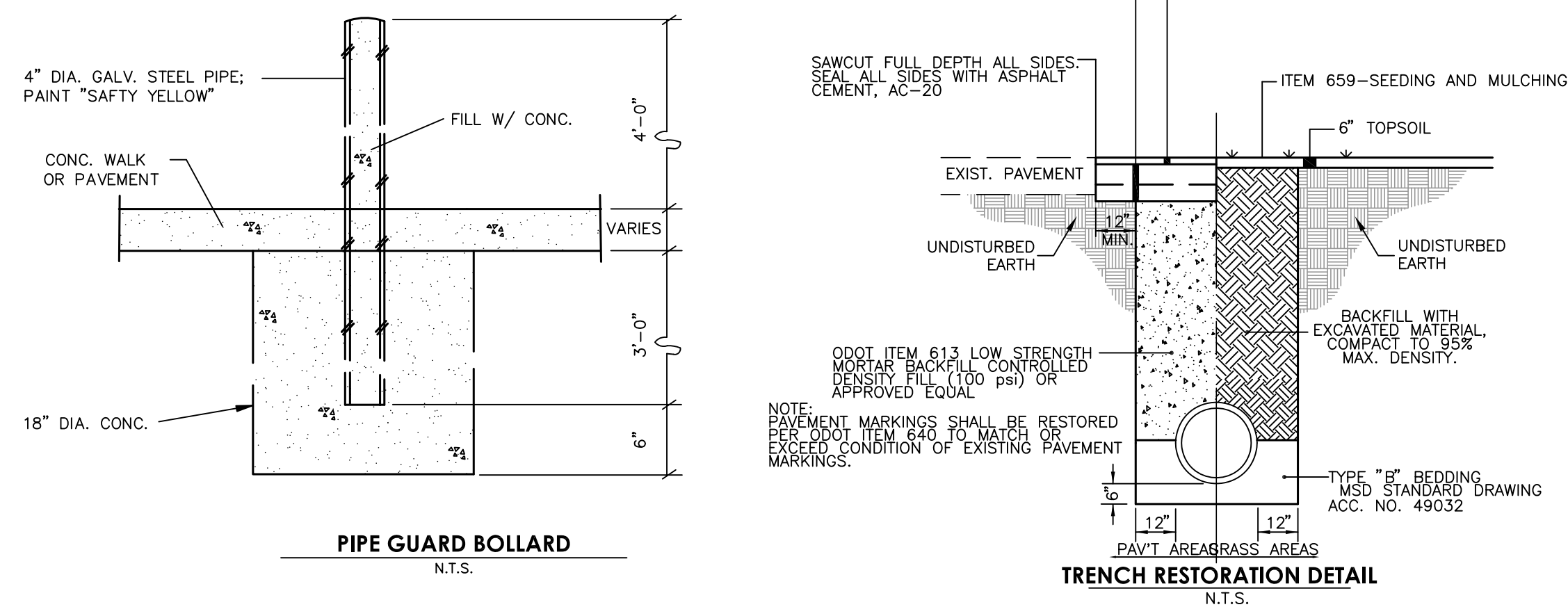
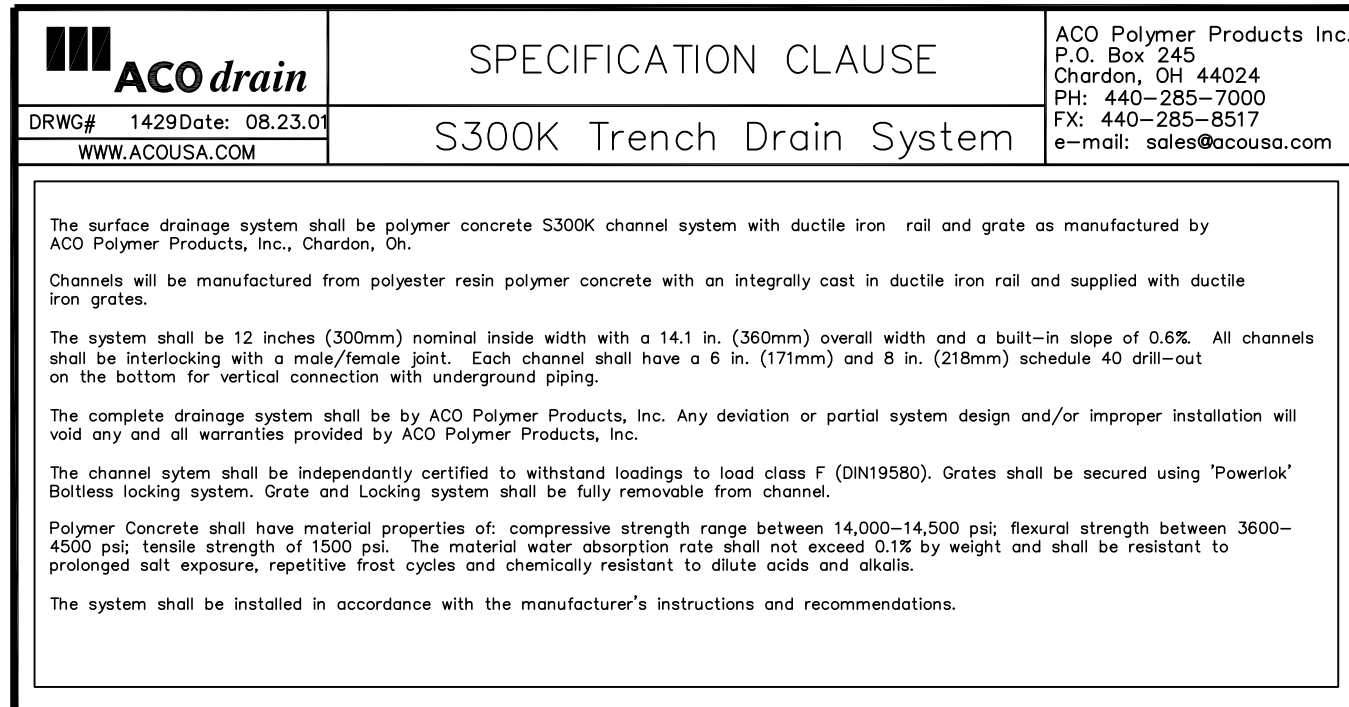
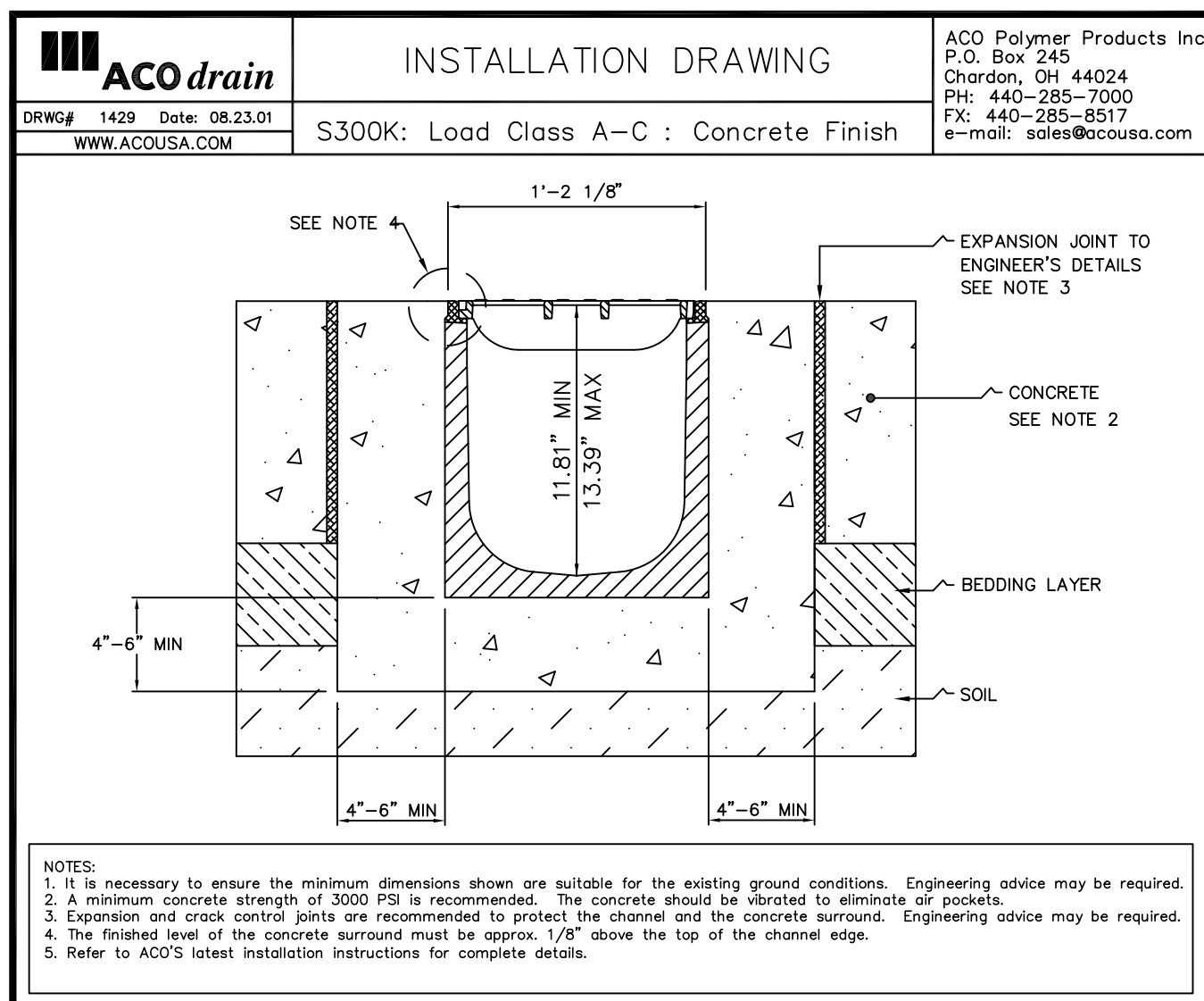


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Sheet Title	
UTILITY PLAN	
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Sheet No.	C1.1
File No.	97-333

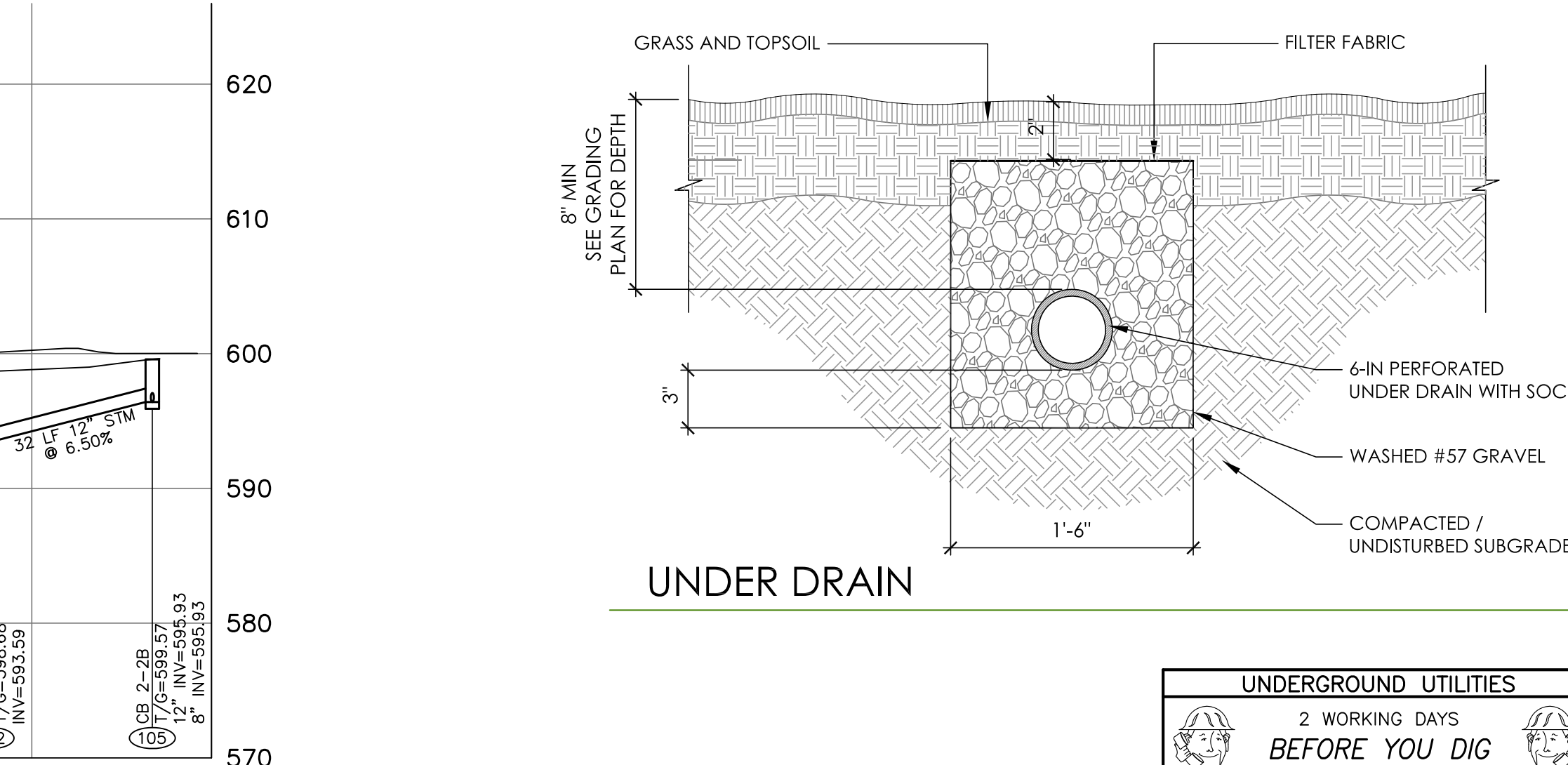
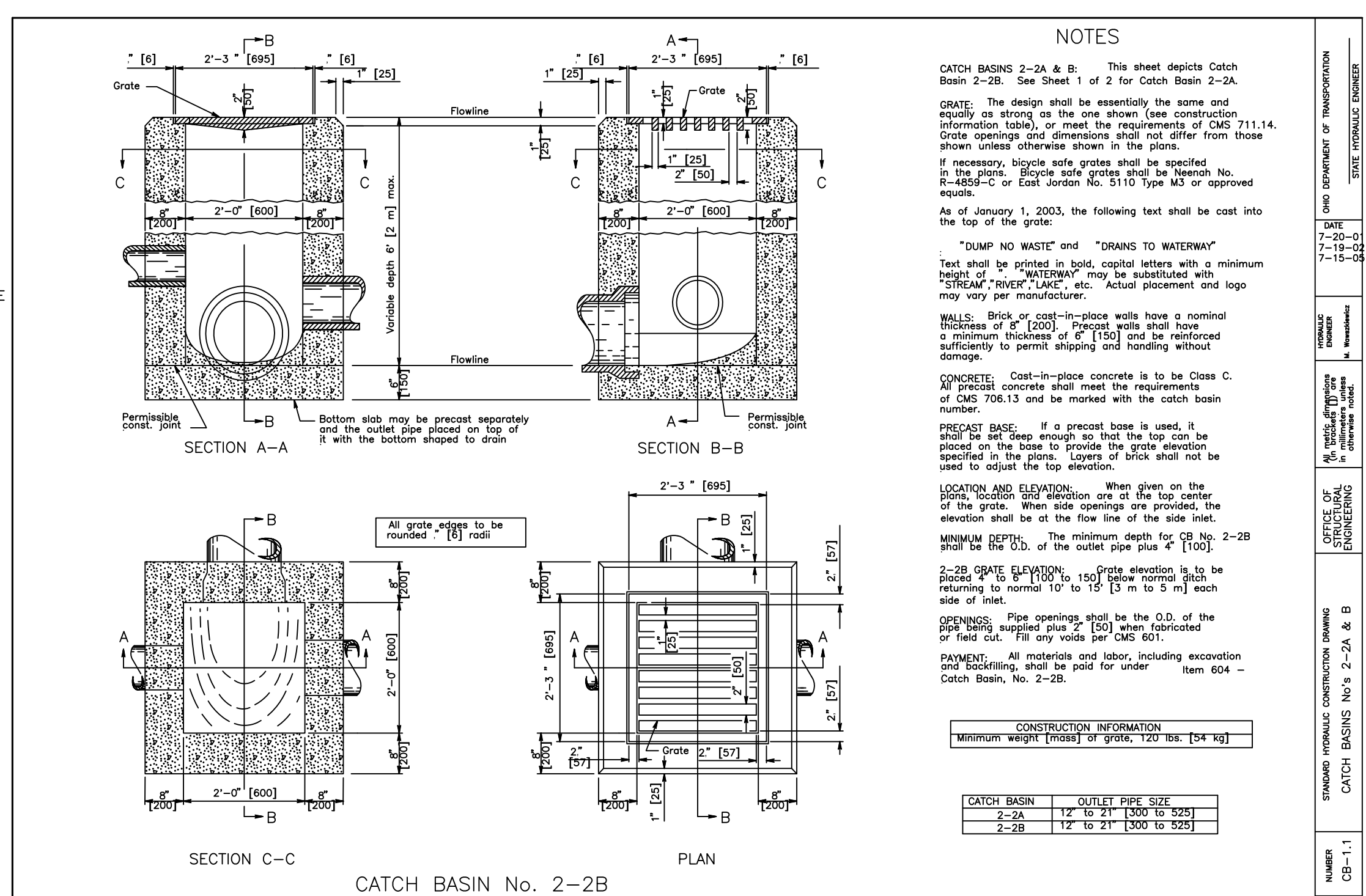
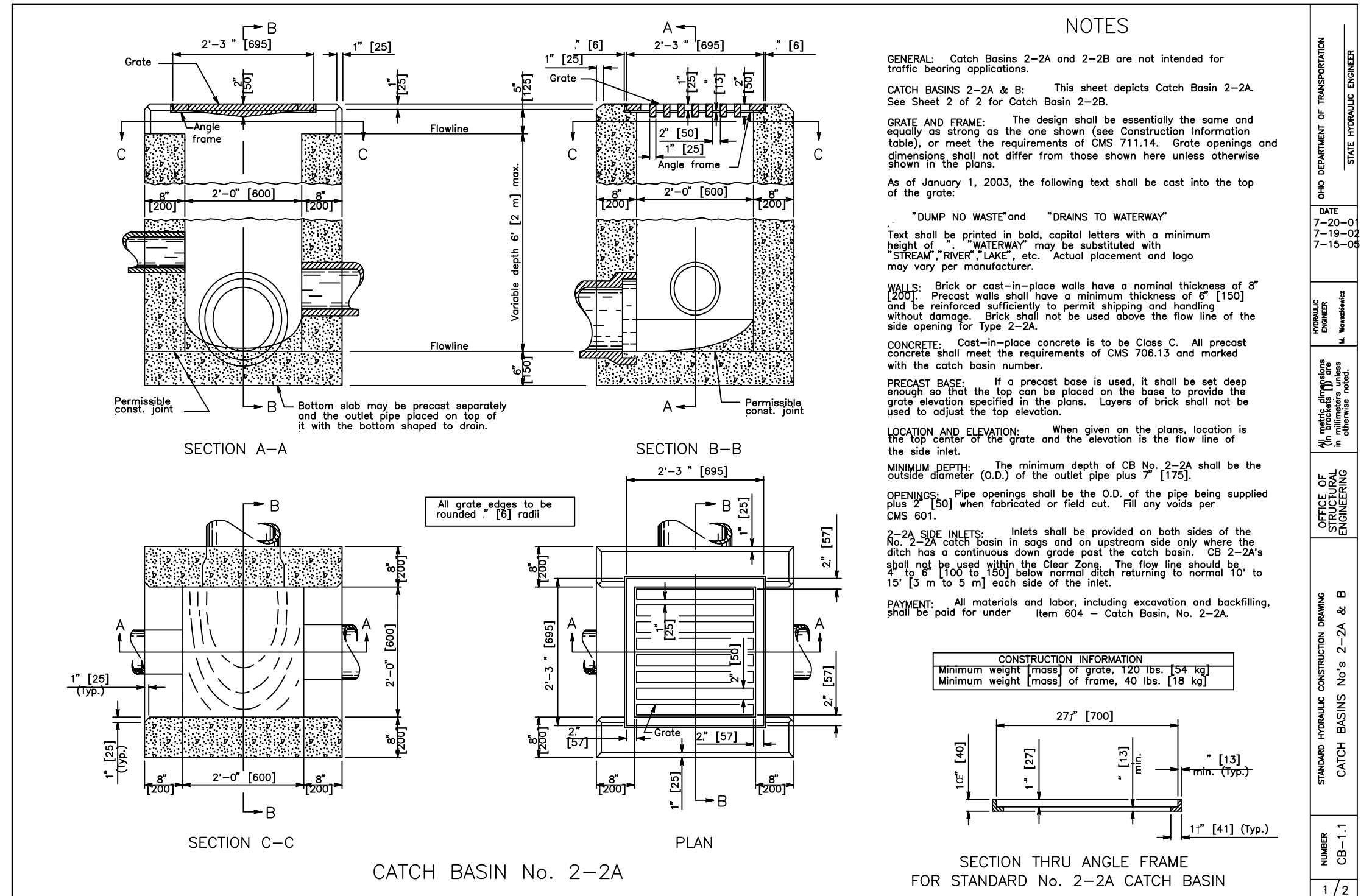
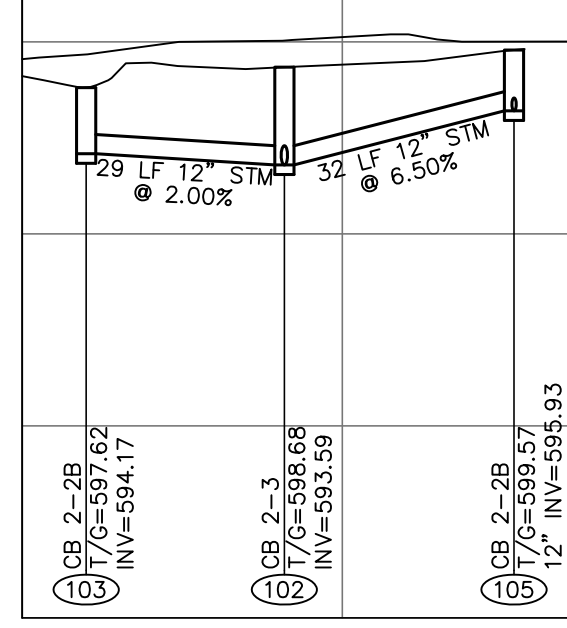


PIPE NORTH

1"=30' HOR. / 1"=10' VERT.

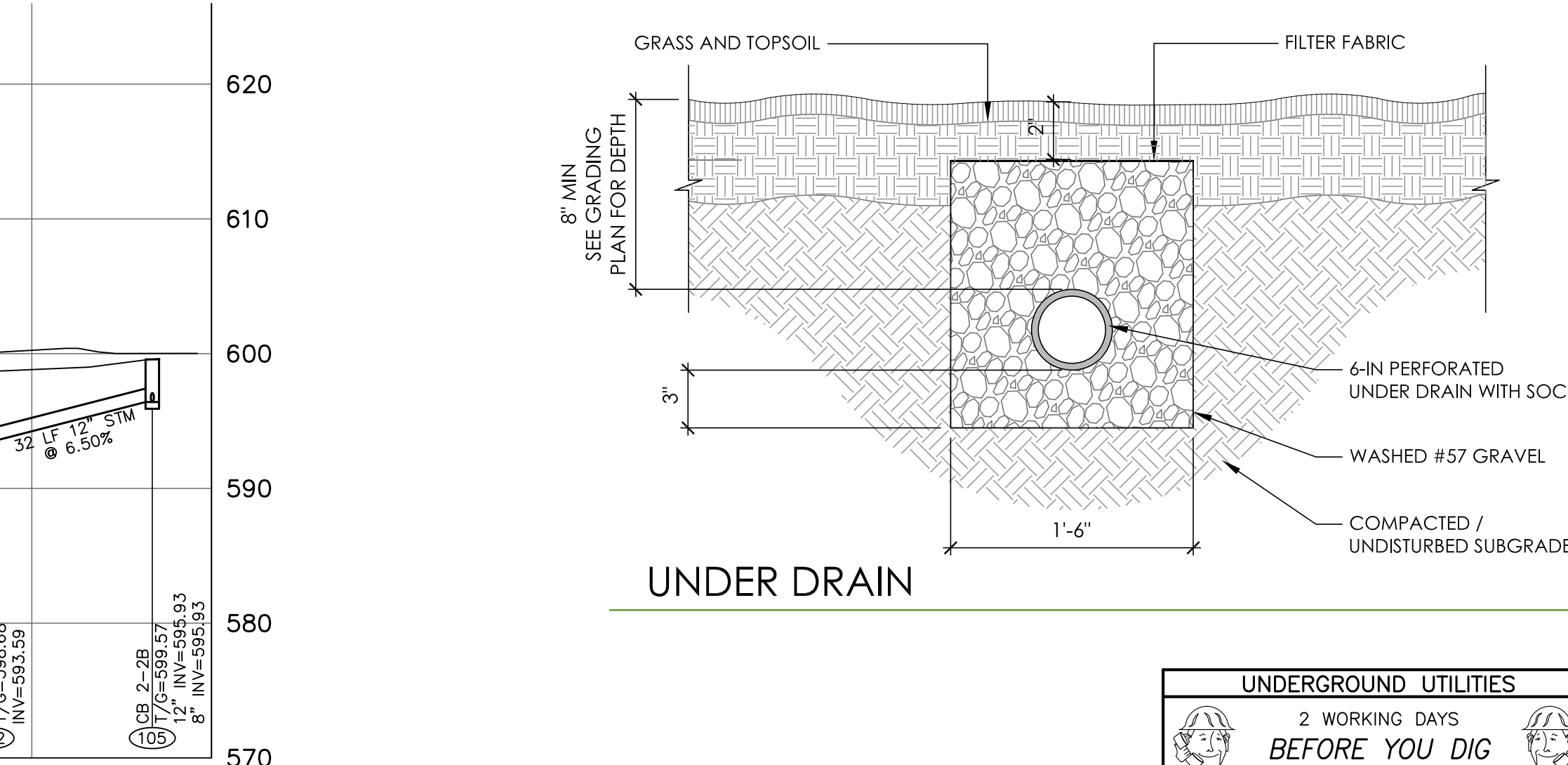
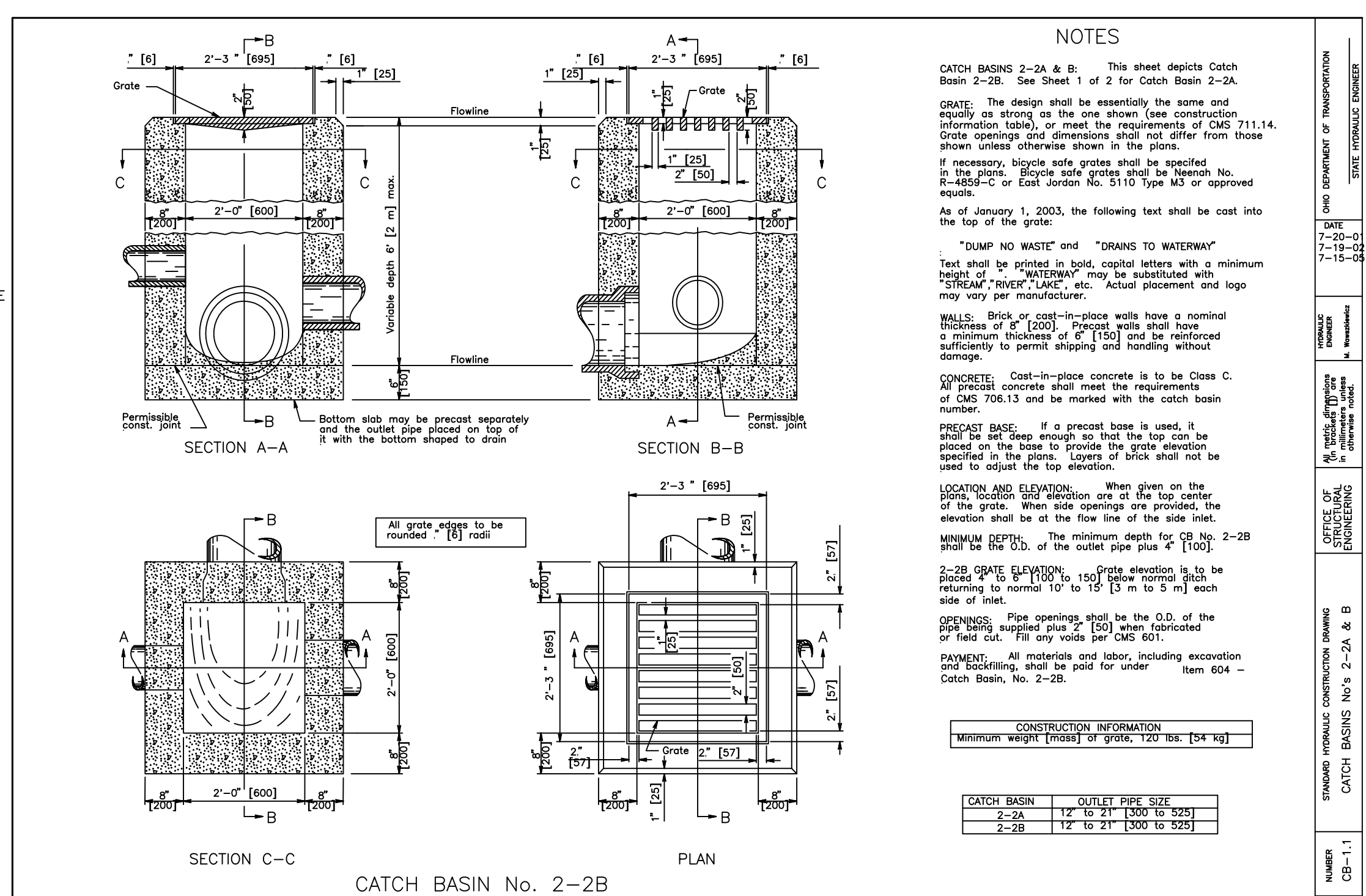
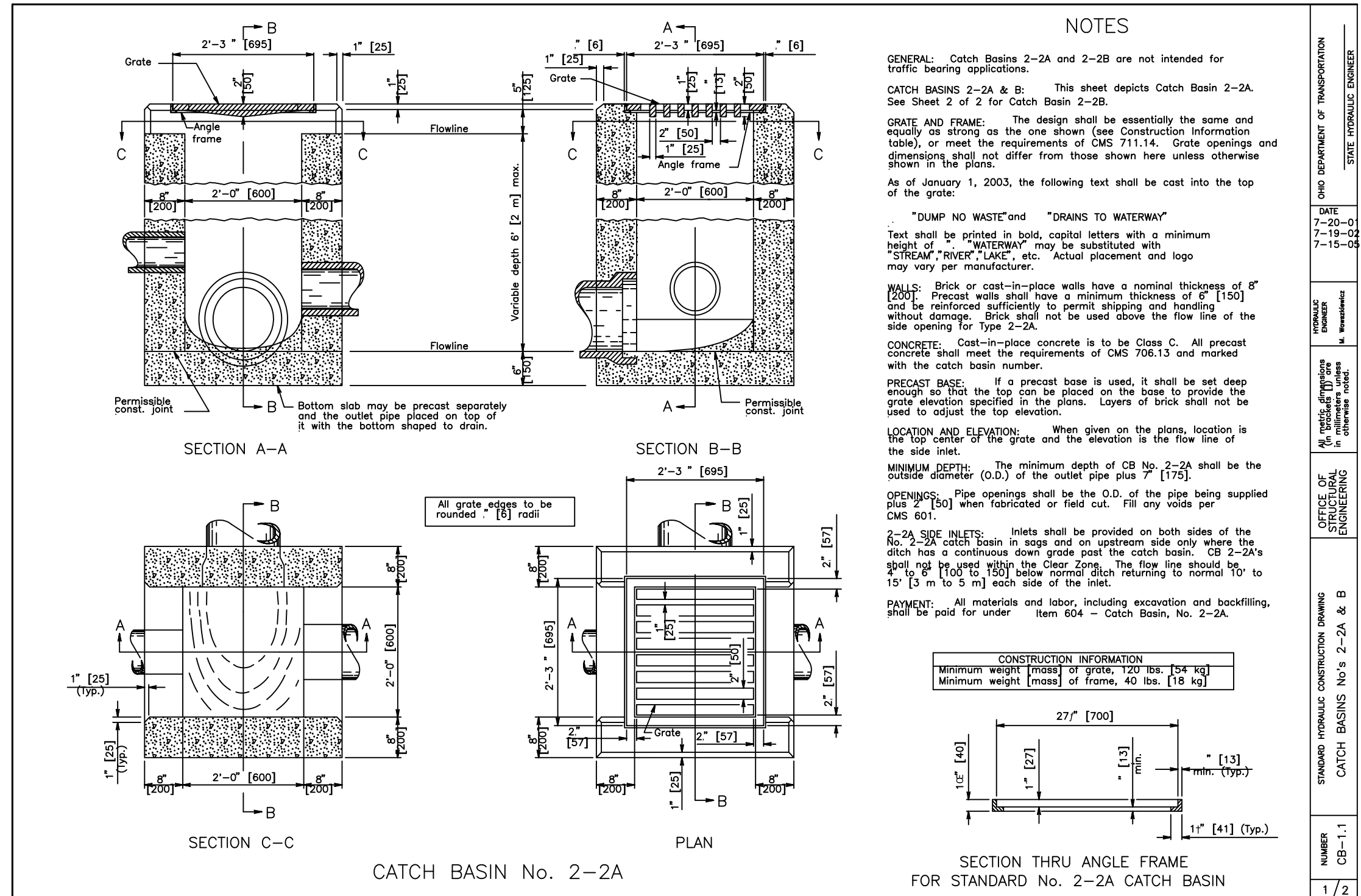
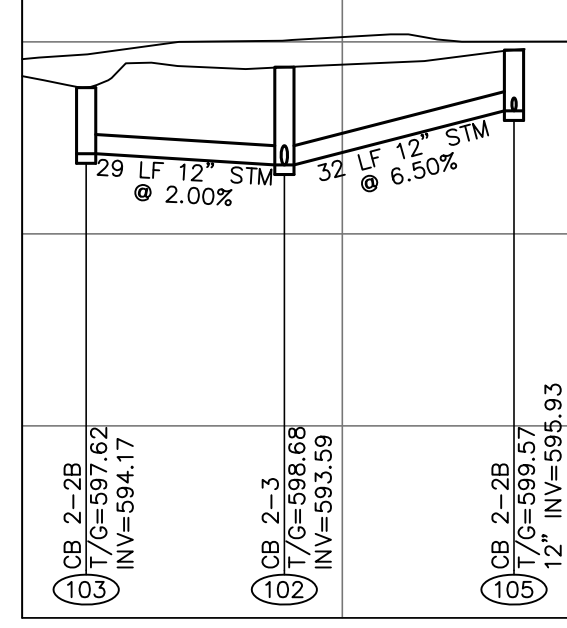
CB 103 - CB 105

1"=30' HOR. / 1"=10' VERT.



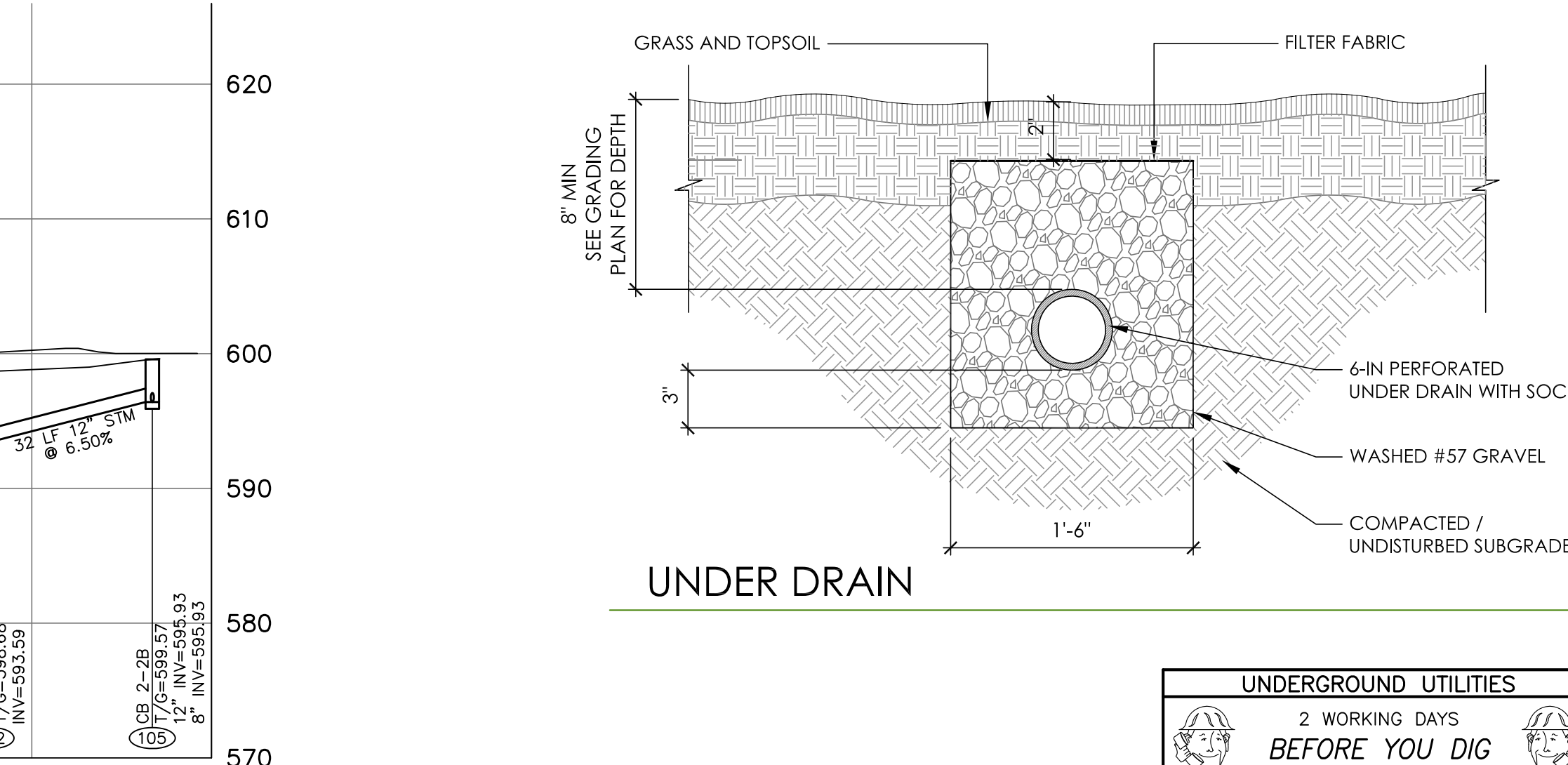
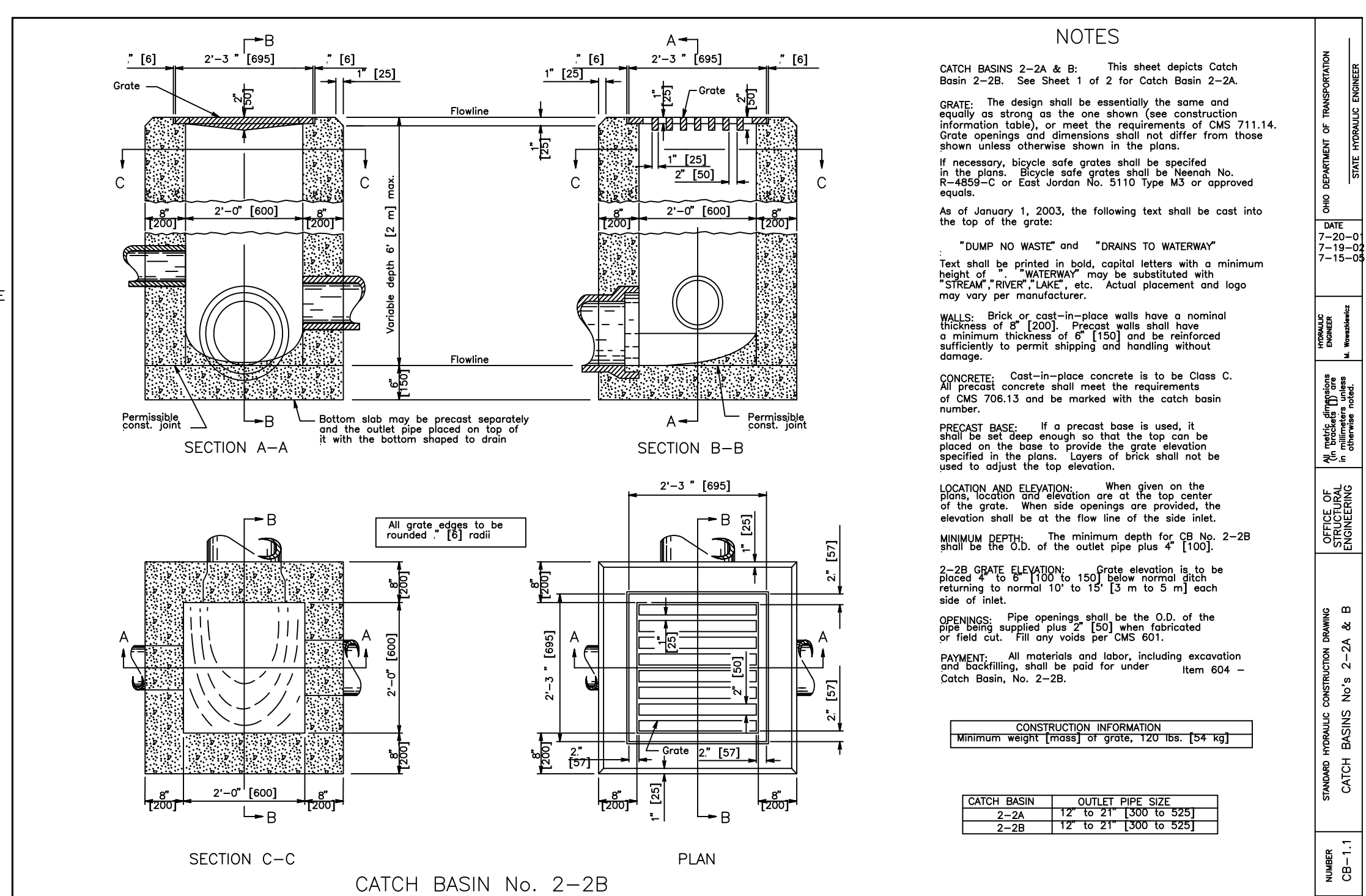
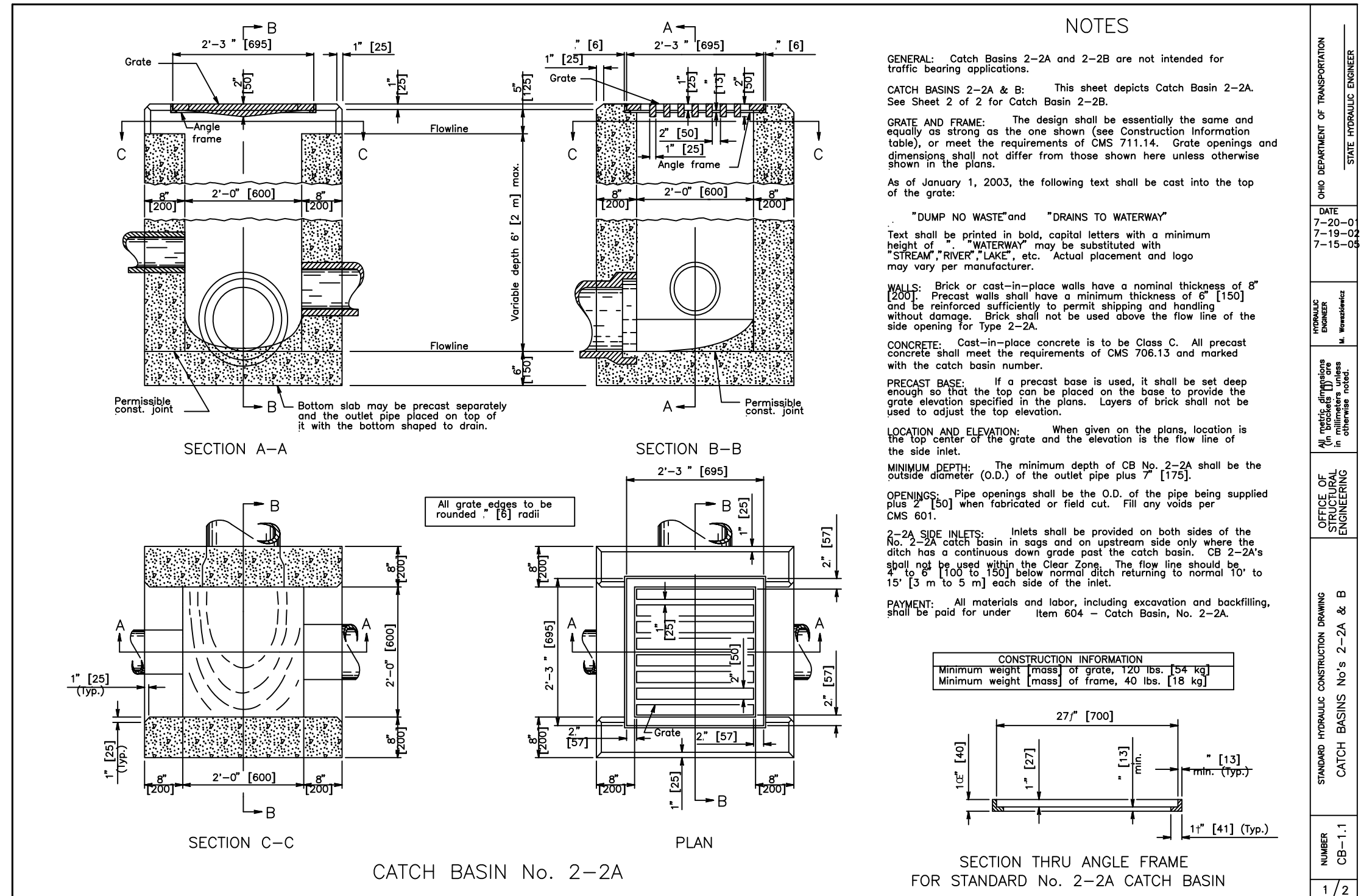
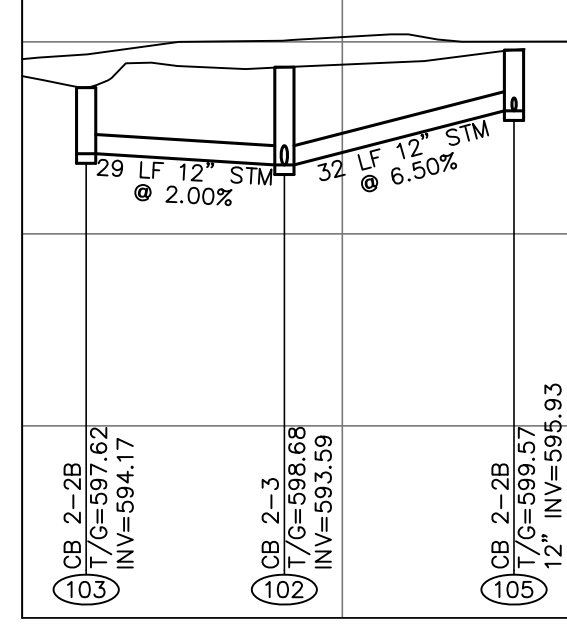
CB 103 - CB 105

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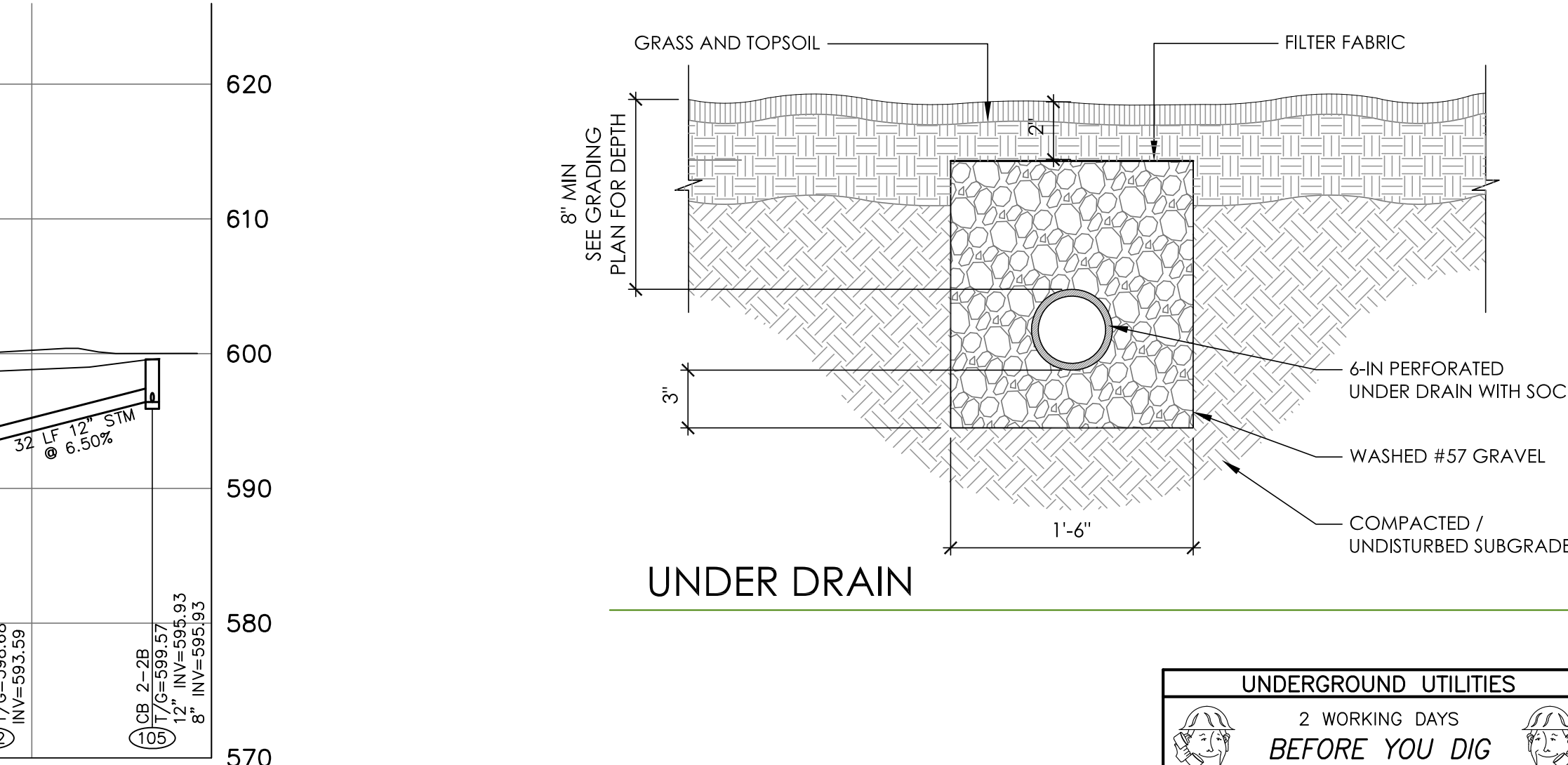
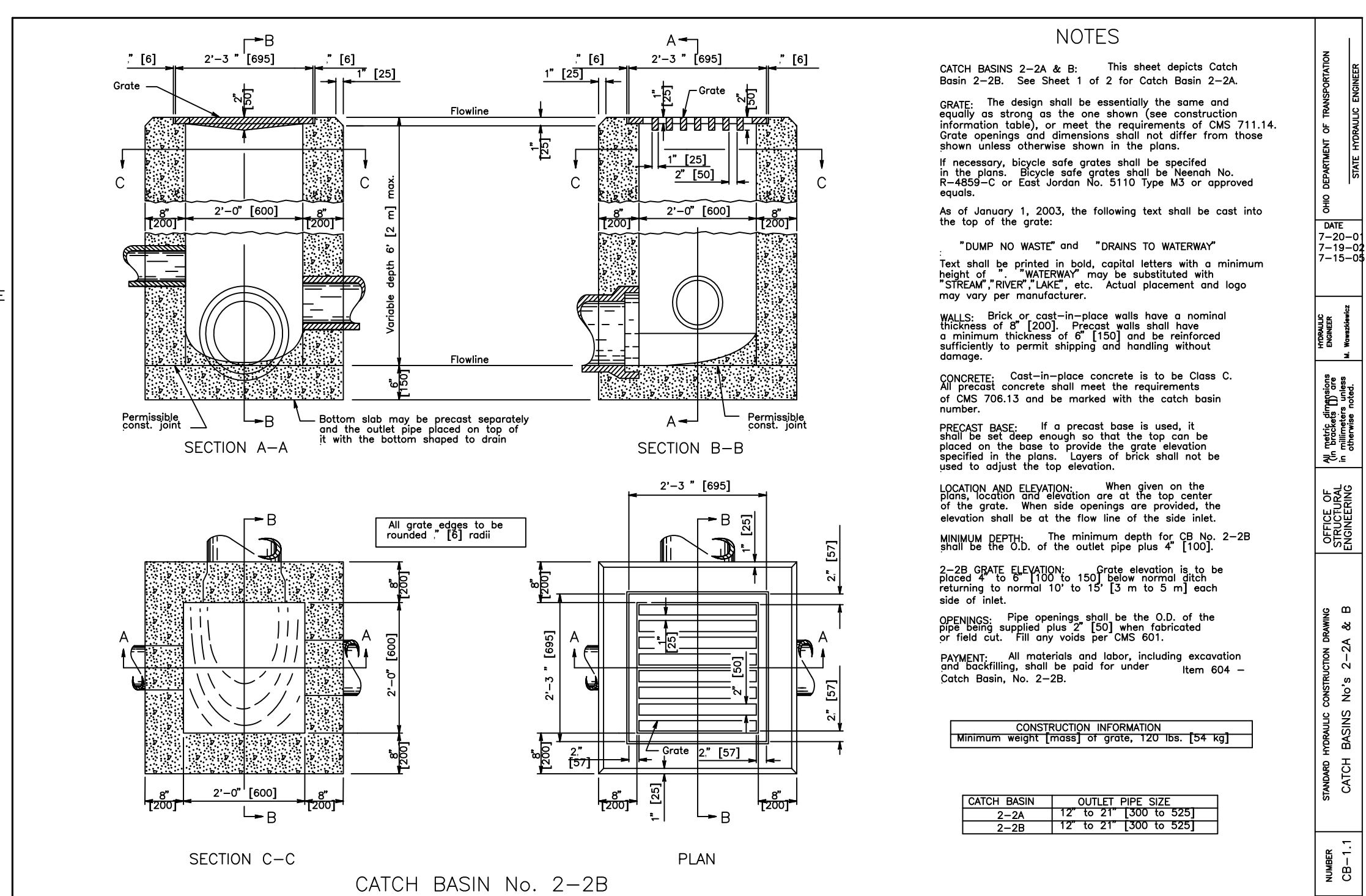
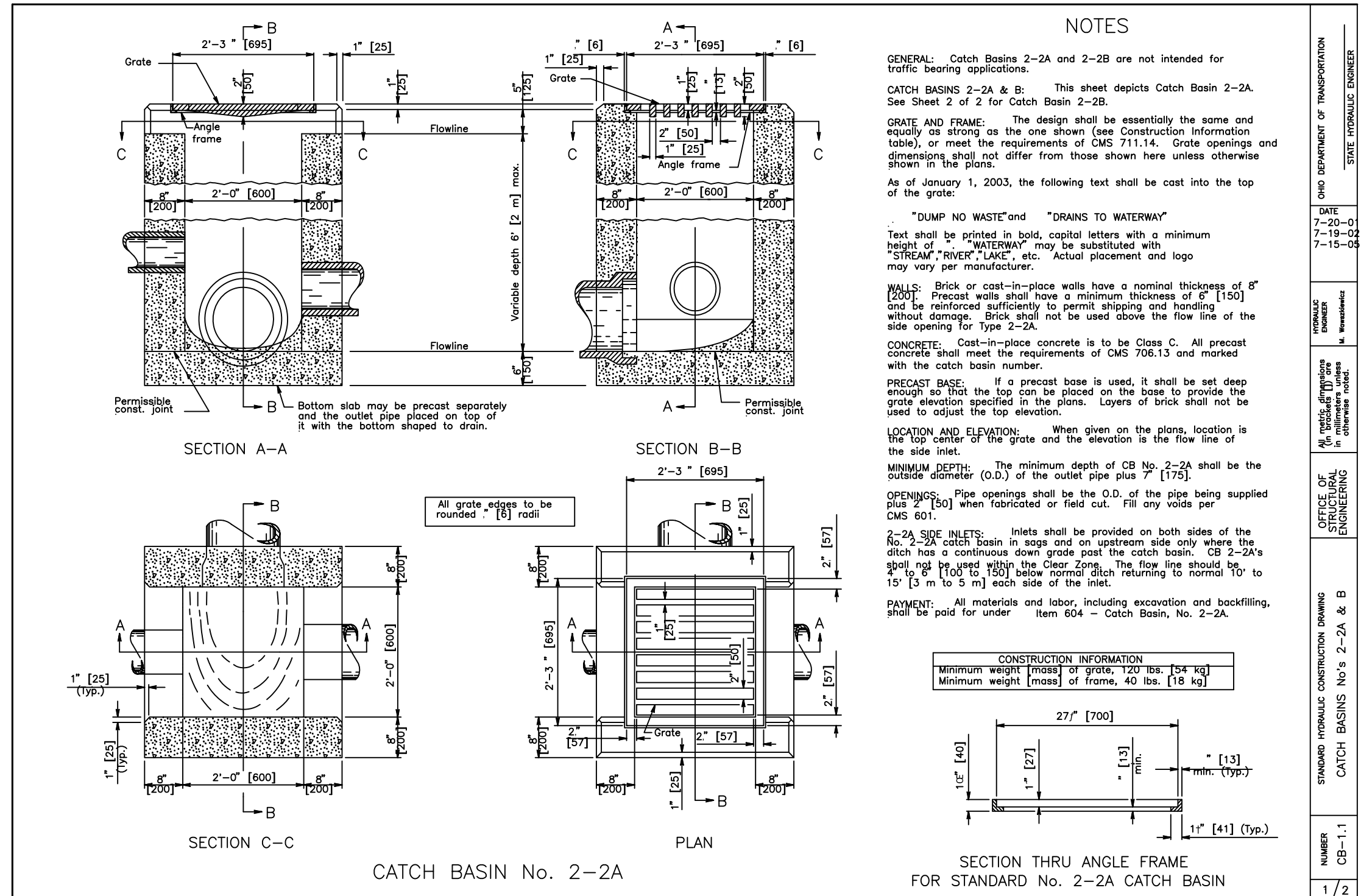
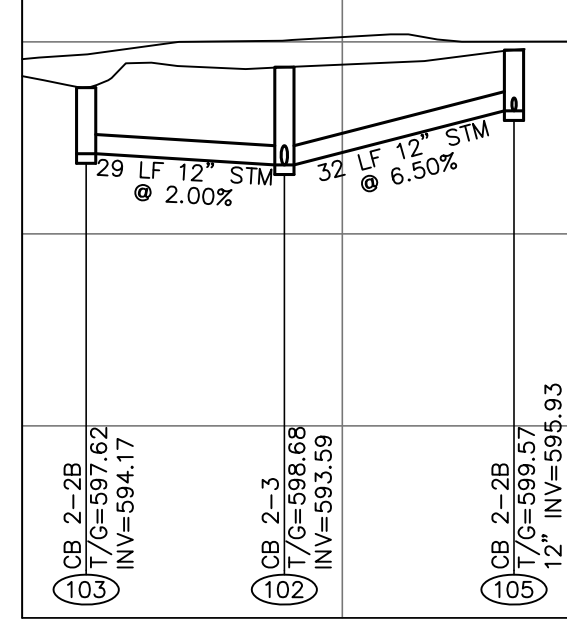
CB 103 - CB 105

1"=30' HOR. / 1"=10' VERT.



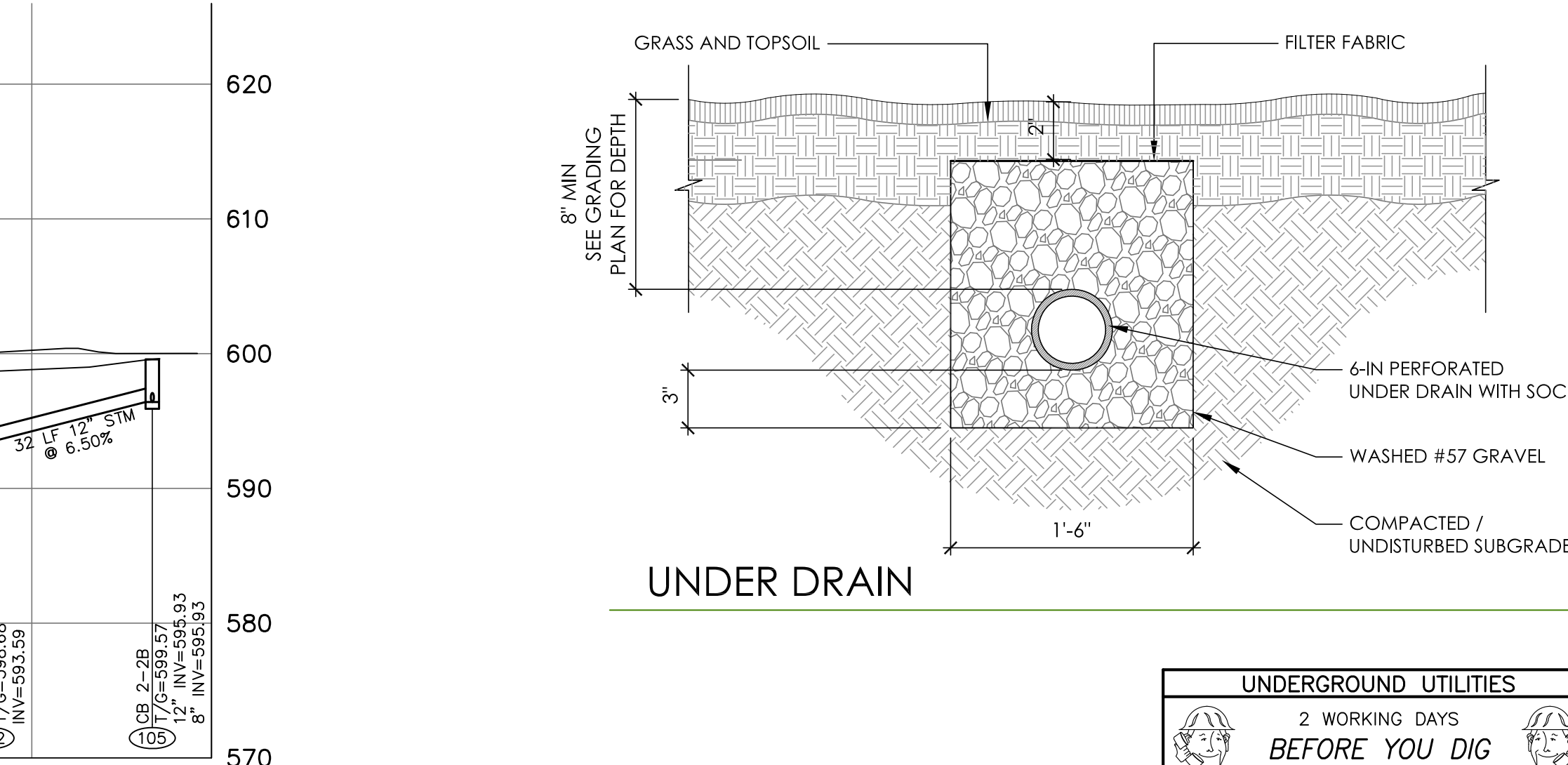
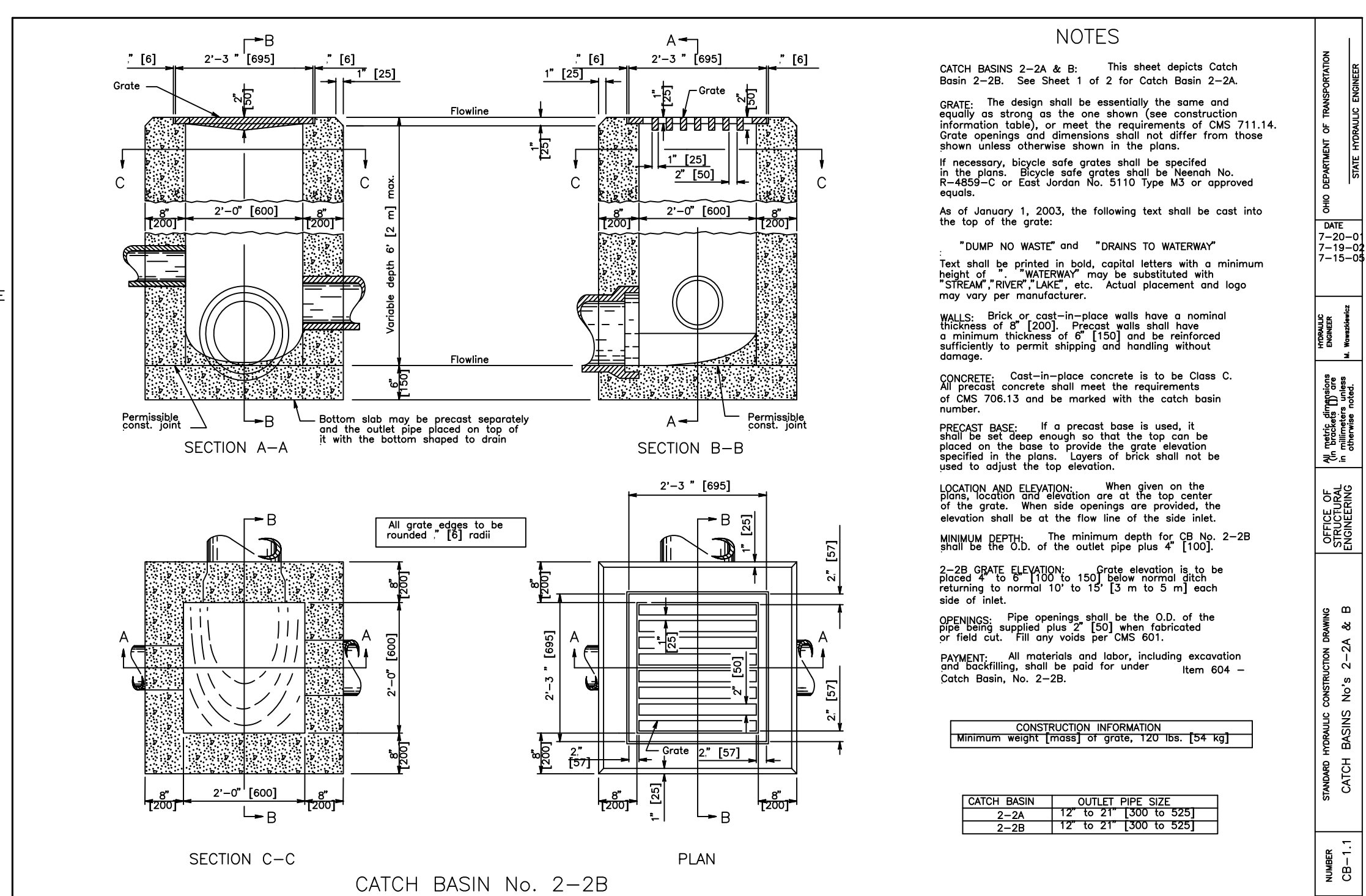
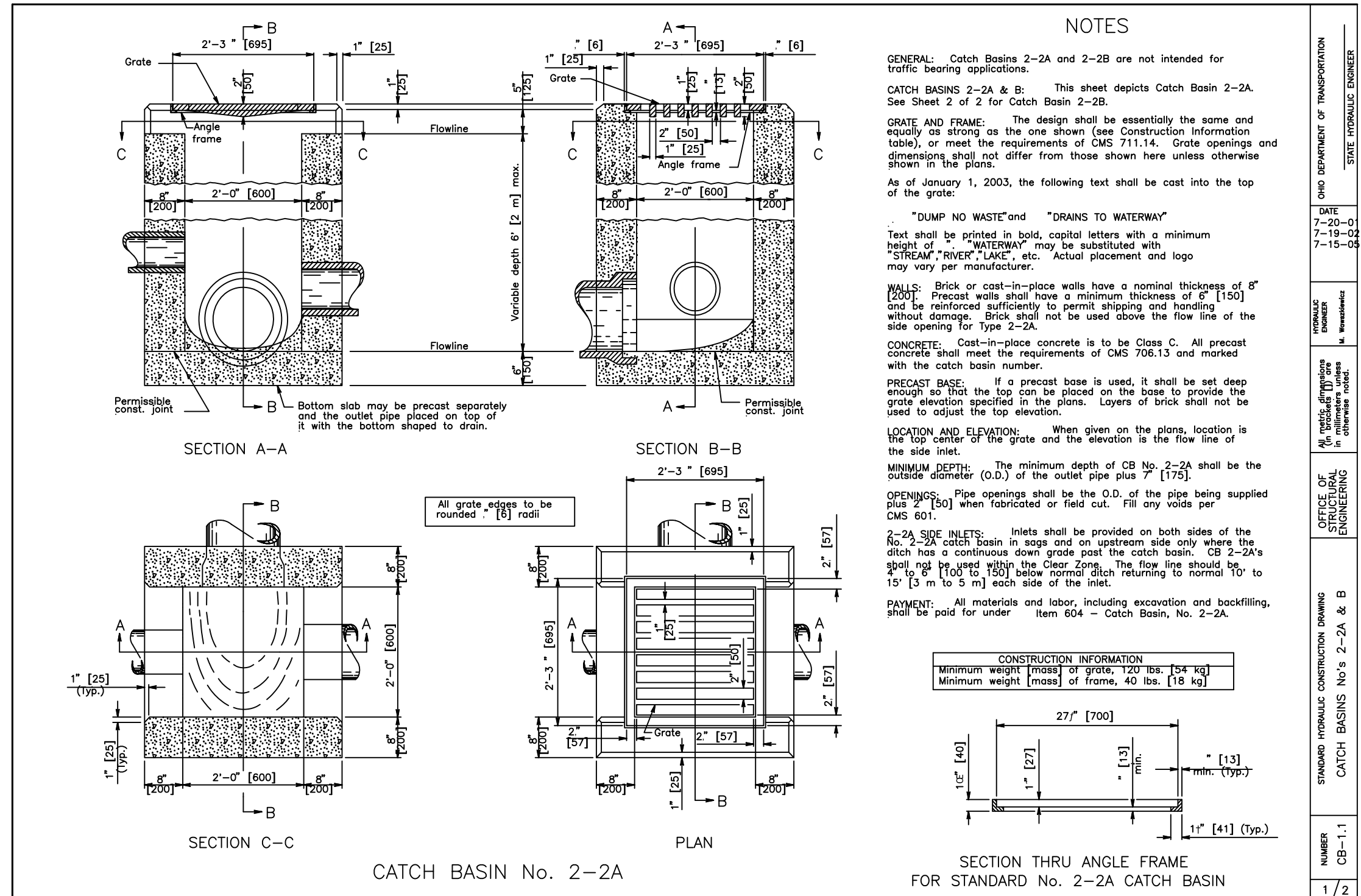
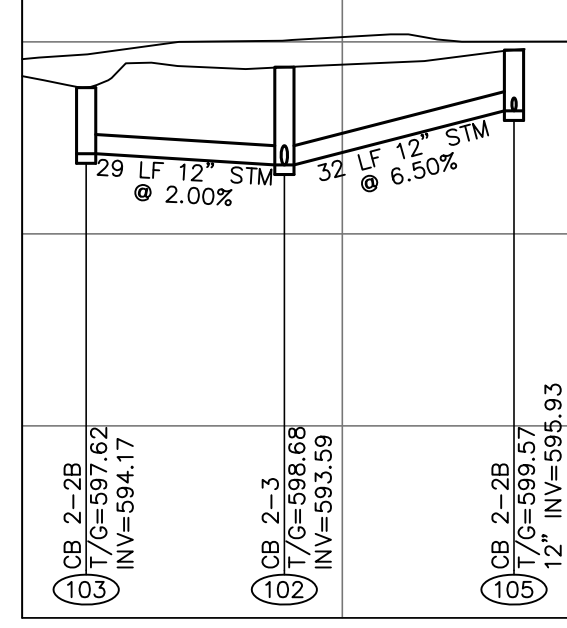
CB 103 - CB 105

1"=30' HOR. / 1"=10' VERT.



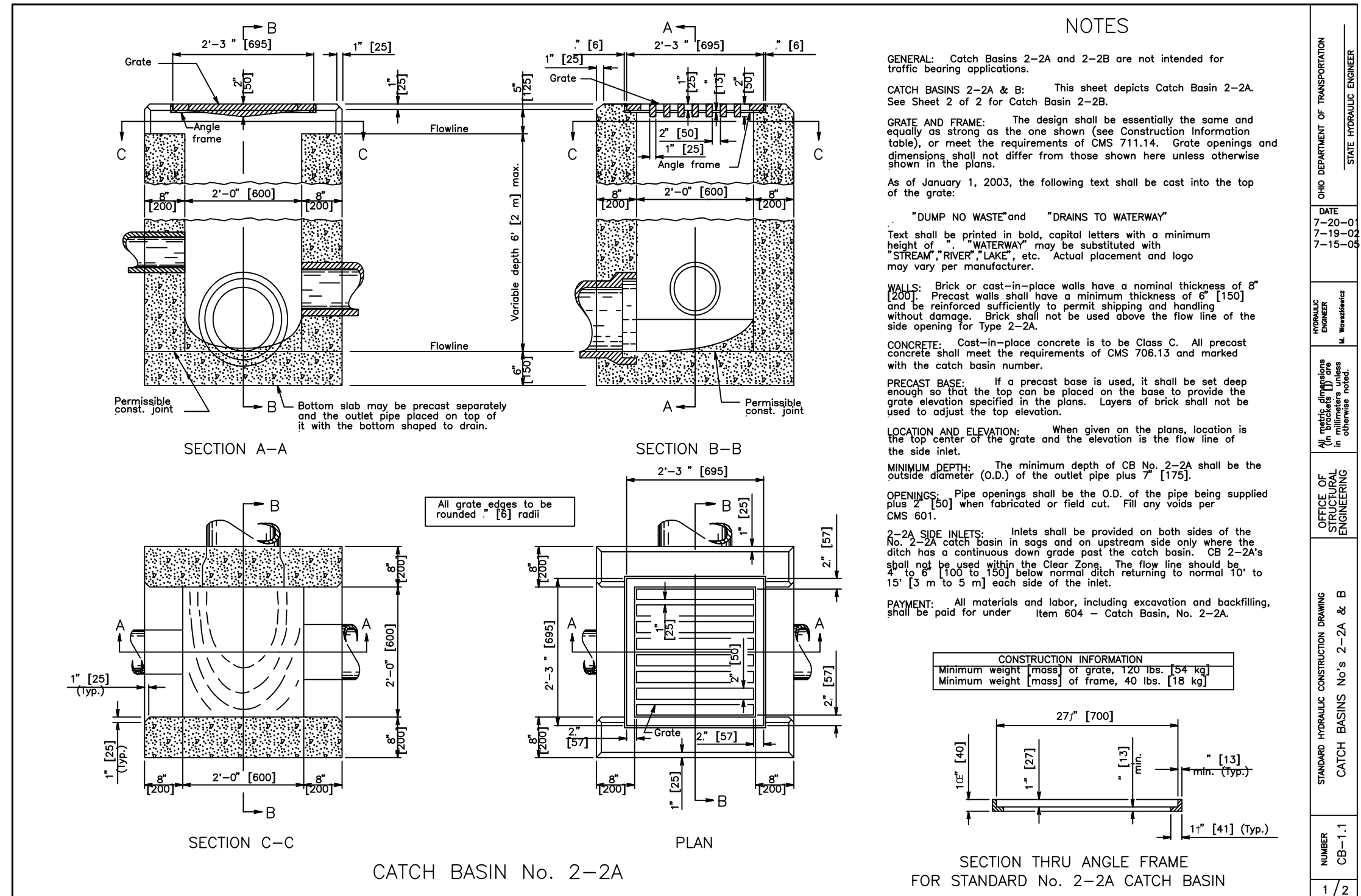
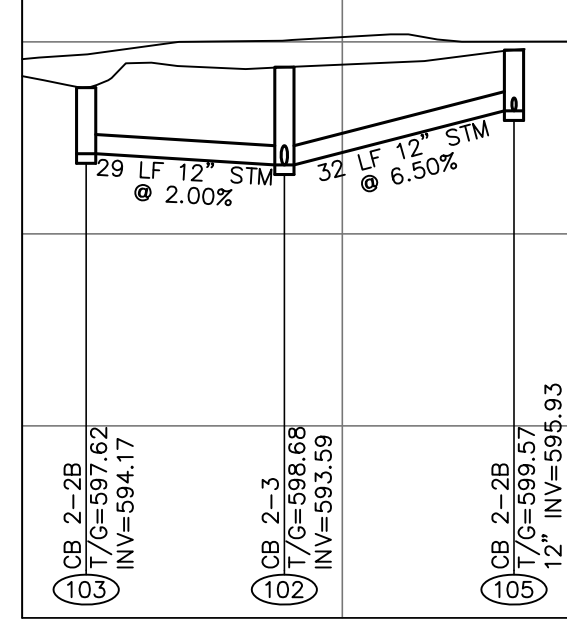
CB 103 - CB 105

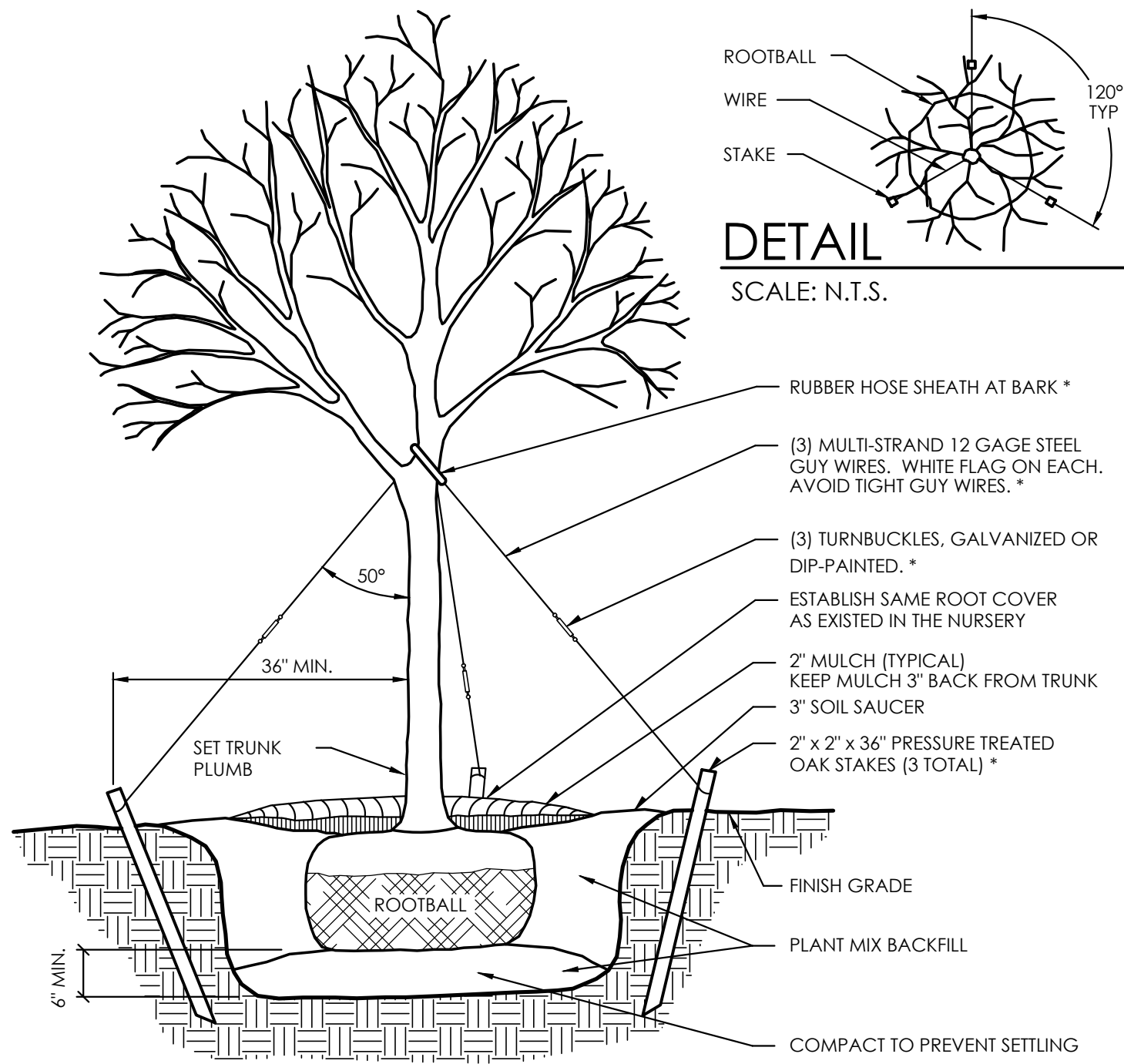
1"=30' HOR. / 1"=10' VERT.



CB 103 - CB 105

1"=30' HOR. / 1"=10' VERT.





NOTES

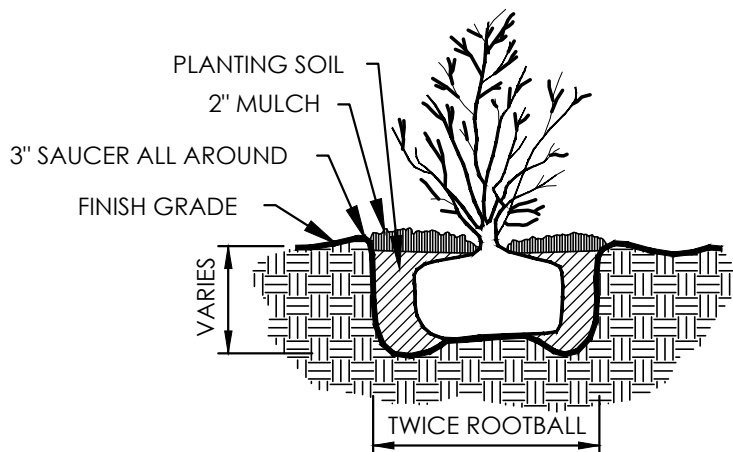
- IF NOT READILY APPARENT, LOCATE TRUNK FLARE BY REMOVING TWINE, BURLAP, AND EXCESS SOIL.
- DIG TREE HOLE AT LEAST TWO TIMES WIDER THAN THE ROOT BALL, WITH SIDES SLOPED TO AN UNEXCAVATED OR FIRM BASE. DIG HOLE TO A DEPTH SO THE LOCATED TRUNK FLARE, AT THE FIRST ORDER LATERAL ROOT, WILL BE AT FINISHED GRADE.
- LIFTING ONLY FROM THE BOTTOM OF THE ROOT BALL, POSITION TREE ON FIRM PAD SO THAT IT IS STRAIGHT AND TOP OF FLARE IS LEVEL WITH THE SURROUNDING SOIL.
- REMOVE ALL TWINE FROM ROOT BALL. IF PRESENT, REMOVE AND DISCARD THE TOP 3' OF BURLAP FROM THE ROOT BALL.
- WITH CLEAN, SHARP PRUNING TOOLS, PRUNE OFF ANY SECONDARY/ADVENTITIOUS, GIRDLING, AND POTENTIAL GIRDLING ROOTS.
- BACKFILL PLANTING HOLE WITH PLANT MIX (SEE GENERAL NOTES), AND THOROUGHLY WATER.
- MULCH ENTIRE PLANTING SURFACE WITH COMPOSTED BARK MULCH APPLIED NO LESS THAN TWO INCHES (2") DEEP AND NO MORE THAN THREE INCHES (3") DEEP, LEAVING THREE INCHES (3") ADJACENT TO THE TREE TRUNK FREE OF MULCH.
- STAKE DECIDUOUS TREES WITH A 2 1/2" OR GREATER CALIPER.
- REMOVE STAKES 1 YEAR AFTER PLANTING.

DECIDUOUS TREE STAKING & GUYING

SCALE: NTS

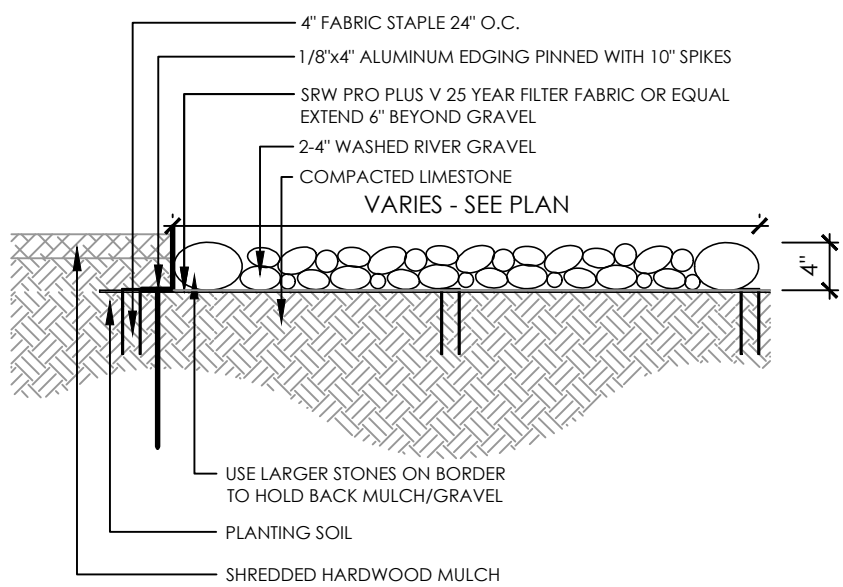
NOTES

- CUT AND REMOVE BURLAP FROM TOP 1/3 OF ROOTBALL. IF CONTAINER IS USED, REMOVE CONTAINER AND LIGHTLY HAND SCARIFY ALL SIDES OF THE ROOT SYSTEM.
- SHRUB SHALL BEAR SAME RELATION TO FINISH GRADE AS IT DID TO PREVIOUS GRADE.



SHRUB PLANTING

SCALE: N.T.S.



DRY CREEK BED

SCALE: N.T.S.

GENERAL NOTES - PLANTING

- LANDSCAPE CONTRACTOR IS TO VERIFY LOCATIONS OF ALL UTILITIES WITH THE OWNER, OWNER'S REPRESENTATIVE, GENERAL CONTRACTOR, CONSTRUCTION MANAGER OR DESIGN BUILDER AND UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR DETERMINING IN THE FIELD ACTUAL LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES, WHETHER INDICATED ON PLANS OR NOT. LANDSCAPE CONTRACTOR MUST CALL THE UTILITIES PROTECTION SERVICE A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION. LANDSCAPE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR DAMAGE OF UTILITY LINES, WHICH IS CAUSED BY THEIR ACTIONS OR THE ACTIONS OF THEIR CONSULTANTS.
- LANDSCAPE CONTRACTOR TO EXAMINE FINISH SURFACE, GRADE ACCURACY AND TOPSOIL FOR DEPTH AND QUALITY; REFER TO SPECIFICATIONS (IF APPLICABLE); IF CONDITIONS ARE UNSATISFACTORY, NOTIFY OWNER, OWNER'S REPRESENTATIVE, GENERAL CONTRACTOR, CONSTRUCTION MANAGER OR DESIGN BUILDER AND DO NOT BEGIN WORK UNTIL CONDITIONS HAVE BEEN CORRECTED.
- AFTER INSTALLATION, REPAIR ALL DAMAGES MADE TO EXISTING CONDITIONS TO OWNER'S REPRESENTATIVE'S SATISFACTION.
- PLANT MATERIALS SHALL CONFORM TO THE STANDARDS OF THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION AND SHALL HAVE PASSED INSPECTION REQUIRED UNDER STATE REGULATIONS. CALL (202)-789-2900 TO OBTAIN A COPY OF THE AMERICAN STANDARD FOR NURSERY STOCK BOOKLET.
- NURSERY STOCK IDENTIFICATION TAGS SHALL NOT BE REMOVED FROM ANY PLANTING PRIOR TO INSPECTION AND APPROVAL OF INSTALLATION BY THE OWNER'S REPRESENTATIVE.
- ALL PLANTINGS TO BE CONTAINED WITHIN BARK MULCHED BED. ALL TREES LOCATED WITHIN LAWN AREAS TO BE CONTAINED WITH A 5' MULCH RING. BARK MULCH SHALL BE FINELY SHREDDED HARDWOOD, DARK IN COLOR.
- SEED ALL DISTURBED LAWN AREAS THAT ARE NOT LANDSCAPED.
- LANDSCAPE CONTRACTOR, GENERAL CONTRACTOR, CONSTRUCTION MANAGER OR DESIGN BUILDER IS RESPONSIBLE FOR MAINTAINING POSITIVE DRAINAGE IN LAWN AREAS. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR PLANT'S LIVABILITY. REFER TO FRONT END SPECIFICATIONS IF APPLICABLE.
- ANY LANDSCAPE CONTRACTOR RECOMMENDED SUBSTITUTIONS MUST BE APPROVED BY THE LANDSCAPE ARCHITECT. UNAPPROVED SUBSTITUTIONS SHALL BE REMOVED AND REPLACED WITH APPROPRIATE PLANTS.
- A COMPLETE LIST OF PLANTS, INCLUDING A SCHEDULE OF SIZES, QUANTITIES, AND OTHER COMMENTS IS SHOWN ON THE DRAWINGS (IF REQUIRED). IN THE EVENT THAT QUANTITY DISCREPANCIES OR MATERIAL OMISSIONS OCCUR IN THE PLANT SCHEDULE, THE PLANTING PLANS SHALL GOVERN.
- GENERAL CONTRACTOR, CONSTRUCTION MANAGER, DESIGN BUILDER OR LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL ORDINANCES AND SHALL MAKE CONSULTANTS AWARE OF THESE ORDINANCES.
- GENERAL CONTRACTOR, CONSTRUCTION MANAGER, DESIGN BUILDER OR LANDSCAPE CONTRACTOR TO COORDINATE CONSTRUCTION STAGING AND MATERIAL STOCKPILING WITH THE OWNER OR OWNER'S REPRESENTATIVE.
- DURING ALL PHASES OF CONSTRUCTION ACTIVITY, IF THE LANDSCAPE CONTRACTOR OR THEIR SUBS ENCOUNTER ANY "SOLID WASTE MATERIAL" (EXCLUDING CLEAN HARD FILL) THE GENERAL CONTRACTOR, CONSTRUCTION MANAGER, DESIGN BUILDER, OWNER OR OWNER'S REPRESENTATIVE SHALL BE CONTACTED IMMEDIATELY FOR FURTHER DIRECTION.
- LANDSCAPE CONTRACTOR SHALL CLEAN STREETS OF MUD AND DEBRIS GENERATED BY THEIR CONSTRUCTION ACTIVITIES OR THEIR SUB'S CONSTRUCTION ACTIVITIES, PURSUANT WITH LOCAL CODE REQUIREMENTS.
- LANDSCAPE CONTRACTOR TO COORDINATE WITH THE GENERAL CONTRACTOR, CONSTRUCTION MANAGER, DESIGN BUILDER, OWNER OR OWNER'S REPRESENTATIVE TO PROVIDE FOR APPROPRIATE CARE OF EXISTING PLANT MATERIAL AND NEWLY LANDSCAPED AREAS DURING CONSTRUCTION.
- STREET TREE LOCATIONS TO BE COORDINATED WITH DRIVEWAY, FIRE HYDRANT, STREET LIGHT LOCATIONS AND OTHER UTILITIES AS REQUIRED.

GENERAL NOTES - PLANT MIX

TOPSOIL: FERTILE, FRIABLE NATURAL TOPSOIL OF LOAMY CHARACTER, WITHOUT ADMIXTURE OF SUBSOIL MATERIAL, OBTAINED FROM A WELL-DRAINED ARABLE SITE, REASONABLY FREE FROM CLAY, LUMPS, COARSE SANDS, STONES, PLANTS, ROOTS, STICKS, AND OTHER FOREIGN MATERIALS, WITH ACIDITY RANGE BETWEEN pH 6.0 AND 6.8.

- IDENTIFY SOURCE LOCATION OF TOPSOIL PROPOSED FOR USE ON THE PROJECT.
- PROVIDE TOPSOIL FREE OF SUBSTANCES HARMFUL TO THE PLANTS, WHICH WILL BE GROWN IN THE SOIL.

PEAT MOSS: BROWN TO BLACK IN COLOR, WEED AND SEED FREE GRANULATED RAW PEAT OR BALED PEAT, CONTAINING NOT MORE THAN 9% MINERAL ON A DRY BASIS.

MANURE: STERILIZED COW OR DEHYDRATED HORSE MANURE, SHREDDED, WEED AND SEED FREE. FURNISH IN BAGS OR BULK.

BONE MEAL: RAW, FINELY GROUND, COMMERCIAL GRADE, MINIMUM 3% NITROGEN, 20% PHOSPHOROUS.

FERTILIZER: COMMERCIALY APPROVED 12-12-12 (12% NITROGEN, 12% PHOSPHORIC ACID, AND 12% POTASH BY WEIGHT), 1/4 OF NITROGEN IN THE FORM OF NITRATES; 1/4 IN THE FORM OF AMMONIA SALT, AND 1/2 IN THE FORM OF ORGANIC NITROGEN.

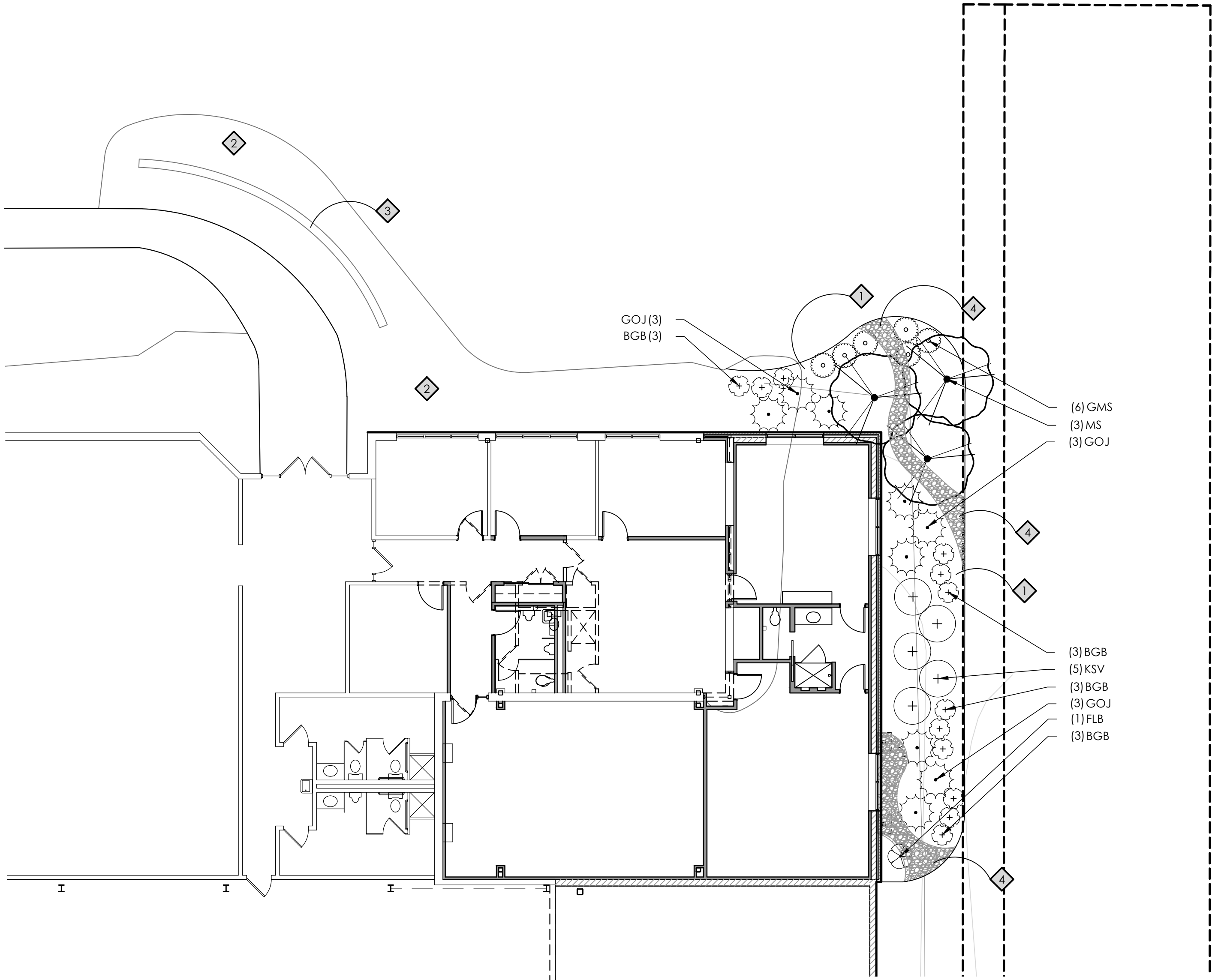
PROVIDE PRE-MIXED PLANTING MIXTURE FOR USE AROUND THE ROOT BALL/ROOTS OF THE PLANTS CONSISTING OF 5 PARTS TOPSOIL, 1 PART PEAT MOSS, 1 PART MANURE, 10 LBS. FERTILIZER (PER CUBIC YARD) AND 2 1/3 LBS. OF BONE MEAL (PER CUBIC YARD).

PLANT SCHEDULE

ORNAMENTAL TREES	QTY	BOTANICAL NAME	COMMON NAME	INSTALLATION SIZE
MS	3	MAGNOLIA VIRGINIANA MULTI-STEM (3-STEM MINIMUM)	SWEET BAY MAGNOLIA	8'-10' B&B
DECIDUOUS SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	CONT.
BGB	12	BERBERIS THUNBERGII 'BONANZA GOLD'	BONANZA GOLD BARBERRY	#3 CONT.
FLB	1	RHAMNUS FRANGULA 'FINE LINE'	FINE LINE BUCHTHORN	#5 CONT.
GMS	6	SPIRAEA X BUMALDA 'GOLDMOUND'	GOLD MOUND SPIREA	#3 CONT.
KSV	5	VIBURNUM CARLESII	KOREAN SPICE VIBURNUM	#3 CONT.
EVERGREEN SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	CONT.
GOJ	9	JUNIPERUS VIRGINIANA 'GREY OWL'	GREY OWL JUNIPER	#3 CONT.

DRAWING NOTES

- MULCHED LANDSCAPE BED
- EXISTING LANDSCAPE
- EXISTING BRICK SIGN
- DRY CREEK BED - WASHED RIVER GRAVEL



SCALE IN FEET
0 5 10 20 30



CALL TWO WORKING DAYS BEFORE YOU DIG
(NON MEMBERS MUST BE CALLED DIRECTLY)



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Cincinnati, Ohio 45241-2097
Tel. 513-759-0004 • Fax 513-563-7099

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Drawn By BMG Project Mgr. RGM

CAD File 97333336-PLA
X-Ref File 9733333-4LO

Issue/Revision Revision Number Date

BID / PERMIT 05/25/17

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RENOVATIONS AND ADDITIONS

FOR
Republic Wire

UNION CENTRE DRIVE
WEST CHESTER, OHIO 45069

Sheet Title

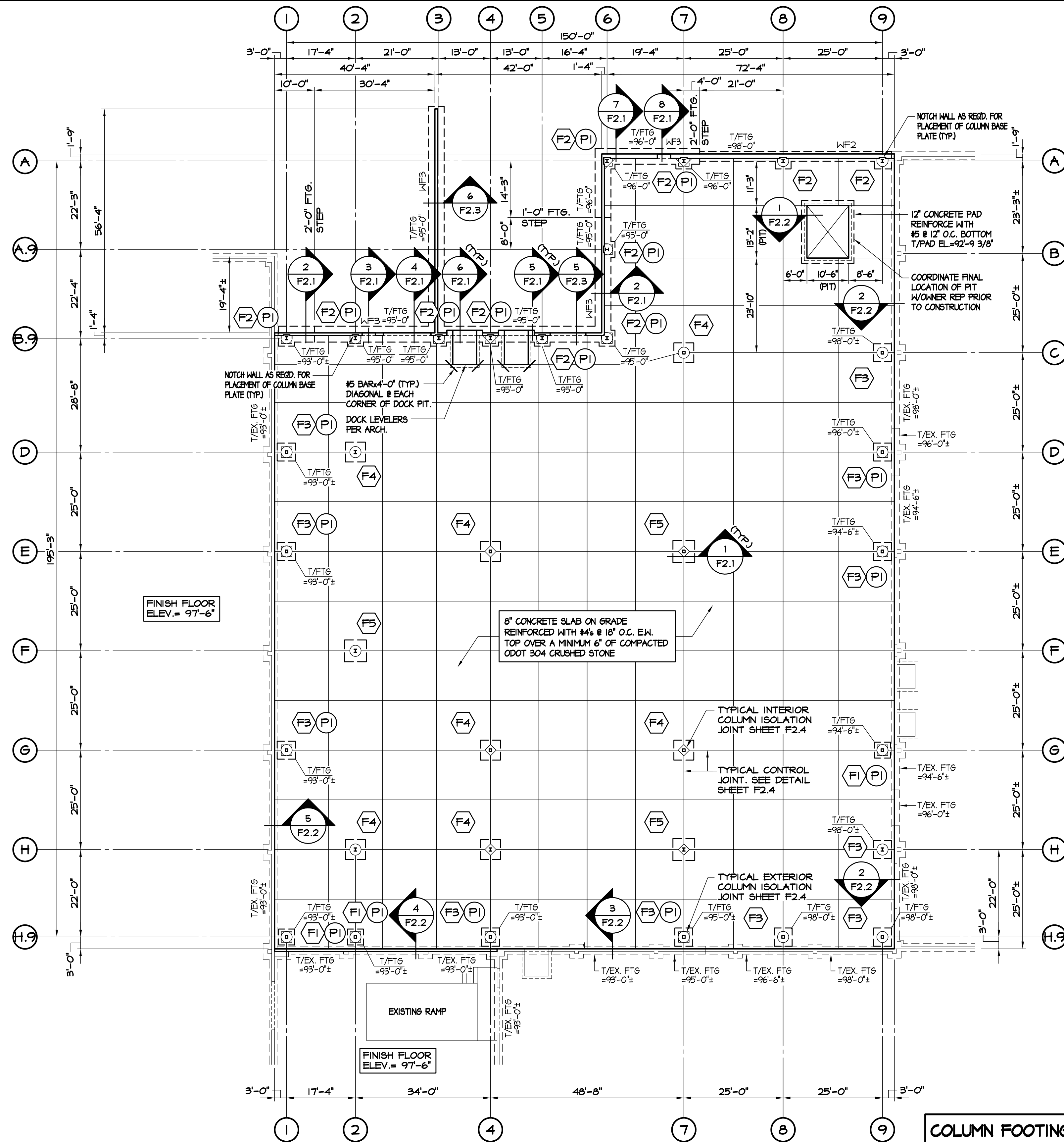
LANDSCAPE PLAN
AND DETAILS

Project No. 97333.33

Scale 1" = 10'

Sheet No. L1.0

File No. 97333-33



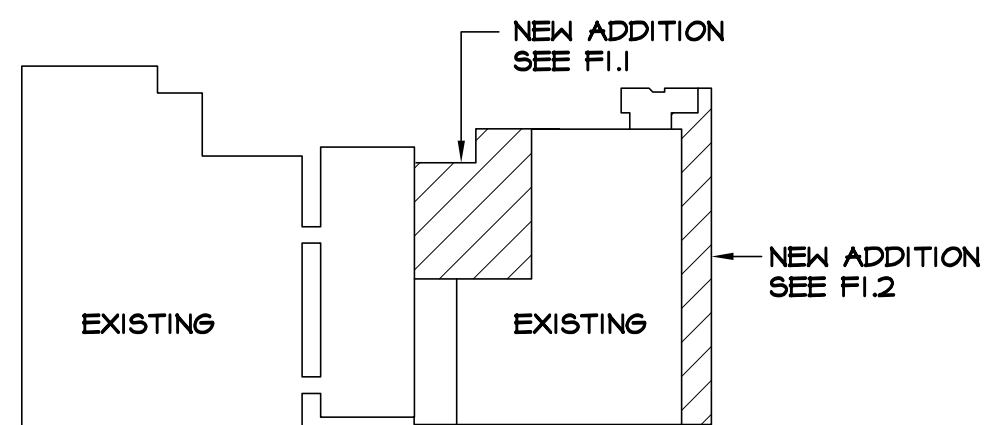
FOUNDATION PLAN

- SCALE: 1/16" = 1'-0"
- NOTES:
1. FINISH FLOOR ELEVATION = 100'-0" U.N.O. (601.40' U.S.G.S.)
 2. TOP OF EXTERIOR FOOTING = 98'-0" (TYP. U.N.O.)
 3. TOP OF INTERIOR FOOTING = 99'-0" (TYP. U.N.O.)
 4. SEE ARCH. FOR LOCATION AND DIMENSIONS OF ALL OPENINGS.
 5. WHERE NEW FOOTINGS ARE TO BE ADDED ADJACENT TO EXISTING FOOTINGS, THE INTENT IS TO MATCH TOP OF FOOTING ELEVATIONS.

COLUMN FOOTING SCHEDULE		
MARK	FOOTING SIZE W x L x D	FOOTING REINFORCEMENT
F1	4'-0"x4'-0"x1'-0"	4 - #5 E.W. BOTT.
F2	4'-0"x4'-0"x2'-0"	4 - #5 E.W. BOTT.
F3	4'-6"x4'-6"x1'-0"	4 - #6 E.W. BOTT.
F4	5'-0"x5'-0"x1'-4"	4 - #6 E.W. BOTT.
F5	5'-6"x5'-6"x1'-4"	5 - #6 E.W. BOTT.

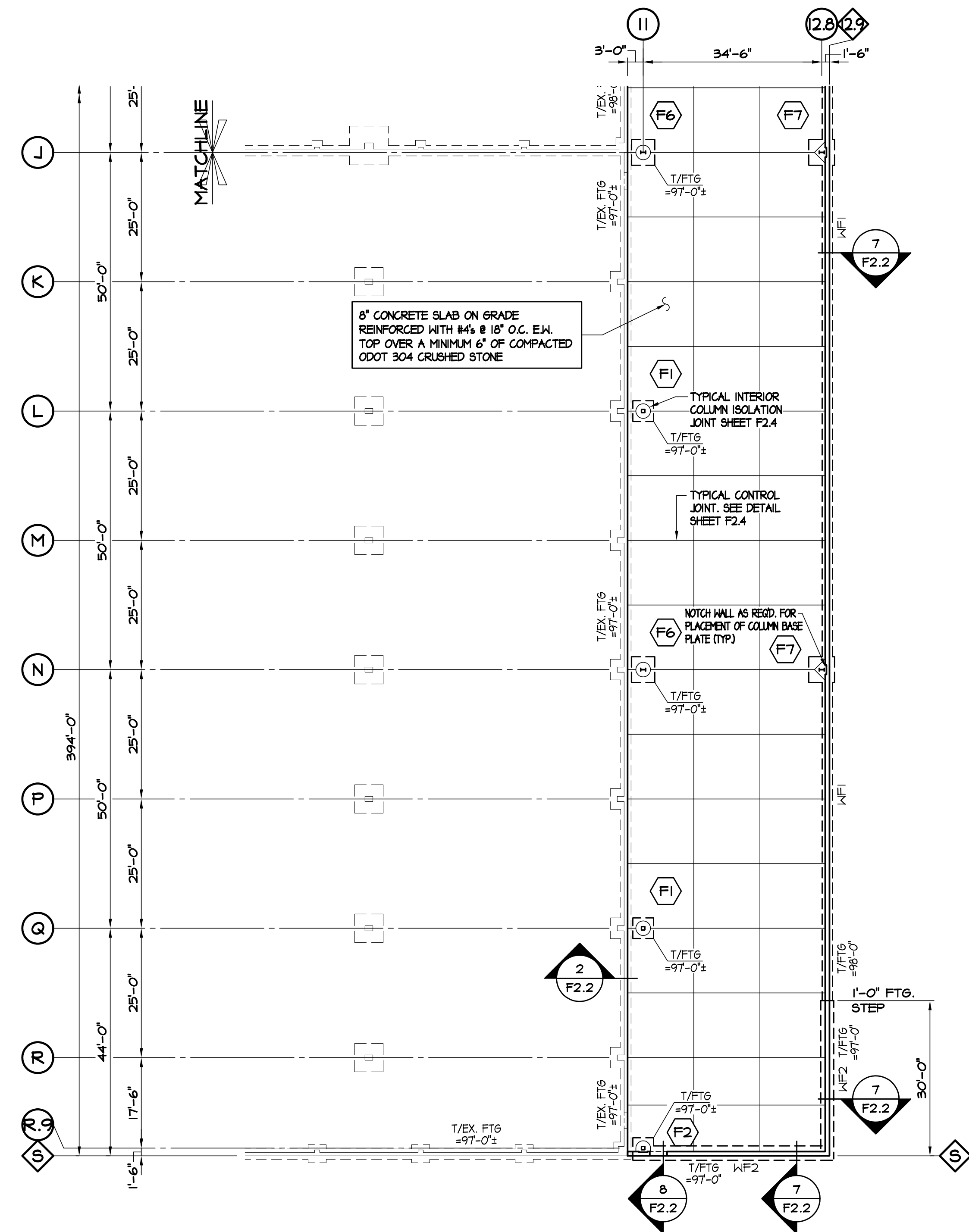
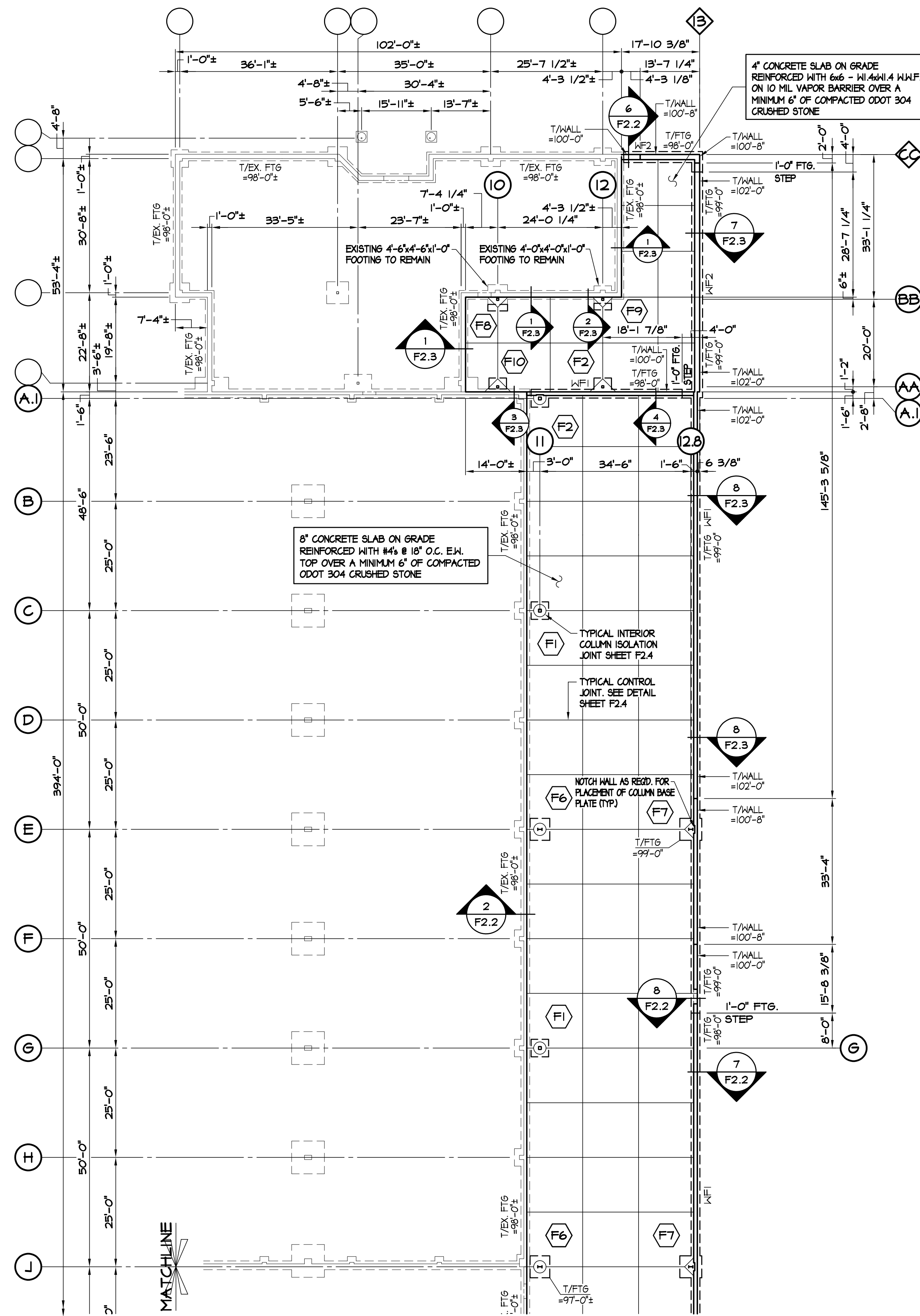
WALL FOOTING SCHEDULE		
MARK	FOOTING SIZE W x D	FOOTING REINFORCEMENT
WF1	2'-0"x2'-0"	2 - #6 CONT. BOTT.
WF2	2'-6"x2'-0"	3 - #6 CONT. BOTT.
WF3	4'-0"x2'-0"	4 - #6 CONT. BOTT. W/#6 TRANS. @ 12" O.C.

PIER SCHEDULE			
MARK	PIER SIZE	PIER REINFORCEMENT	T/PIER EL.
PI	32"x32"	12 - #8 VERT. W/ #4 TIES @ 6" O.C.	98'-0"



KEY PLAN

SCALE: NONE



FOUNDATION PLAN

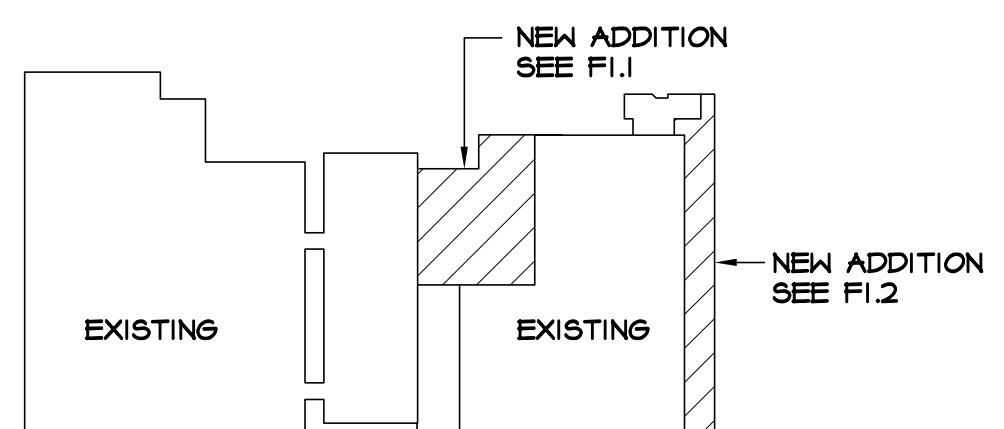
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- NOTES:
1. FINISH FLOOR ELEVATION = 100'-0" U.N.O. (601.40' U.S.G.S.)
 2. TOP OF EXTERIOR FOOTING = 98'-0" (TYP. U.N.O.)
 3. TOP OF INTERIOR FOOTING = 98'-0" (TYP. U.N.O.)
 4. SEE ARCH. FOR LOCATION AND DIMENSIONS OF ALL OPENINGS.

COLUMN FOOTING SCHEDULE

MARK	FOOTING SIZE W x L x D	FOOTING REINFORCEMENT
F1	4'-0"x4'-0"x1'-0"	4 - #5 E.W. BOTT.
F2	4'-0"x4'-0"x2'-0"	4 - #5 E.W. BOTT.
F3	4'-6"x4'-6"x1'-0"	4 - #6 E.W. BOTT.
F4	5'-0"x5'-0"x1'-4"	4 - #6 E.W. BOTT.
F5	5'-6"x5'-6"x1'-4"	5 - #6 E.W. BOTT.
F6	4'-6"x5'-0"x1'-0"	4 - #5 S.W.
F7	5'-0"x5'-0"x2'-0"	4 - #6 E.W. BOTT.
F8	1'-6"x4'-6"	SEE DETAIL 2/F2.3
F9	1'-6"x4'-0"	SEE DETAIL 2/F2.3
F10	2'-6"x4'-0"	SEE DETAIL 3/F2.3

WALL FOOTING SCHEDULE

MARK	FOOTING SIZE W x D	FOOTING REINFORCEMENT
WF1	2'-0"x2'-0"	2 - #6 CONT. BOTT.
WF2	2'-6"x2'-0"	3 - #6 CONT. BOTT.
WF3	4'-0"x2'-0"	4 - #6 CONT. BOTT. W/#6 TRANS. @ 12" O.C.



KEY PLAN

SCALE: NONE

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LEBANON, OHIO 45036
513-228-1680 PH

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msp

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3700 Park 42 Drive Suite 190B
Cincinnati, Ohio 45241-2097

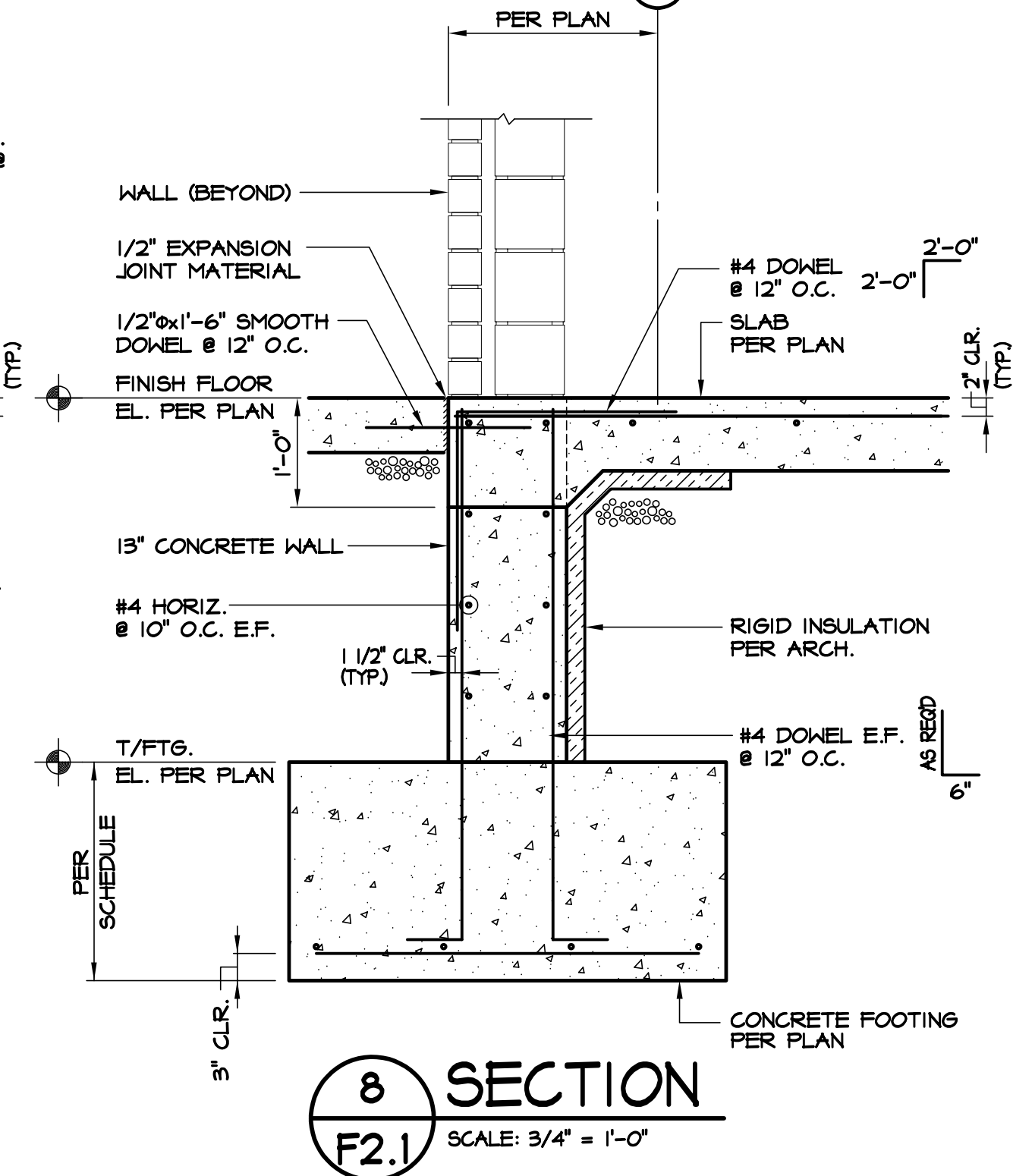
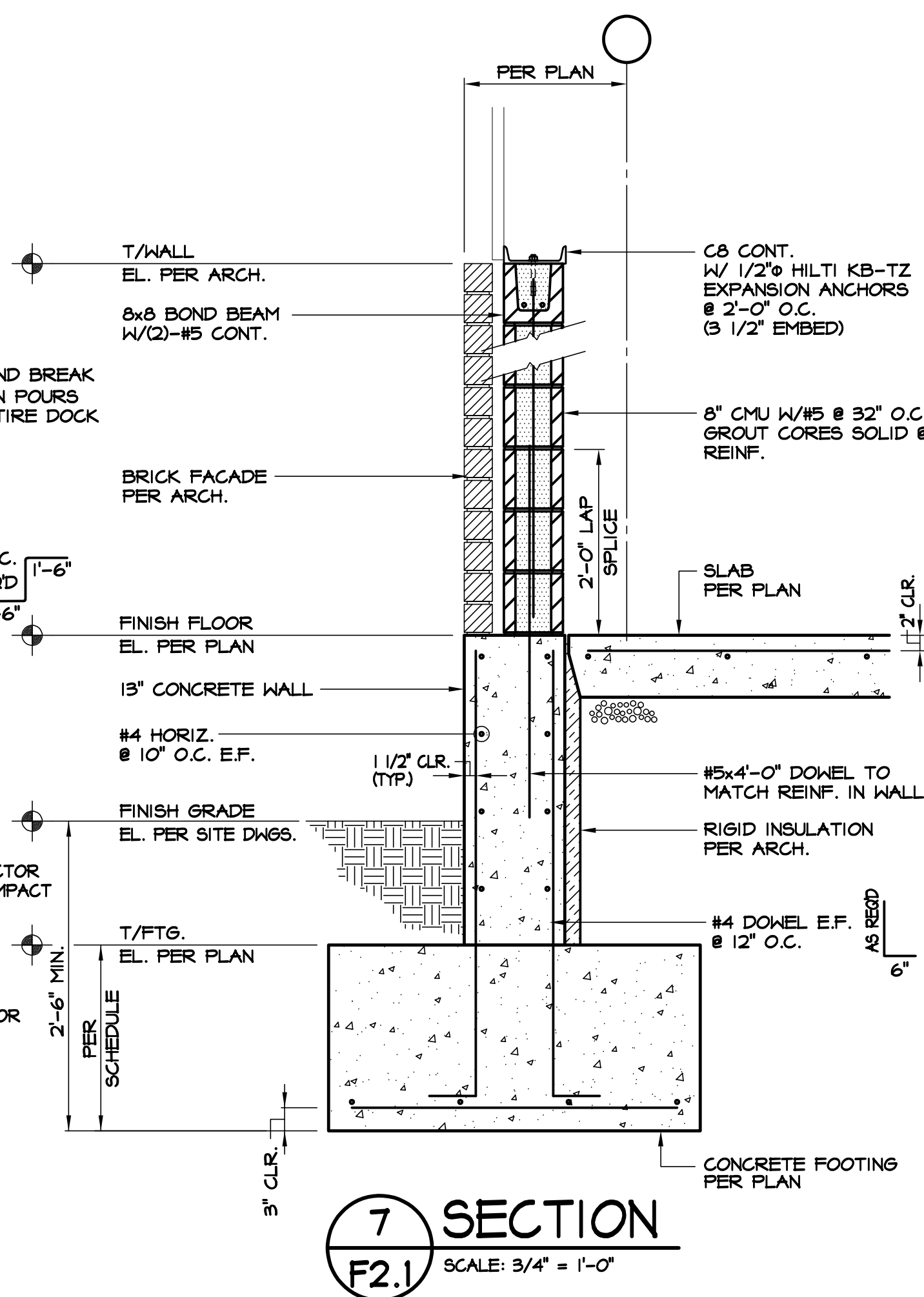
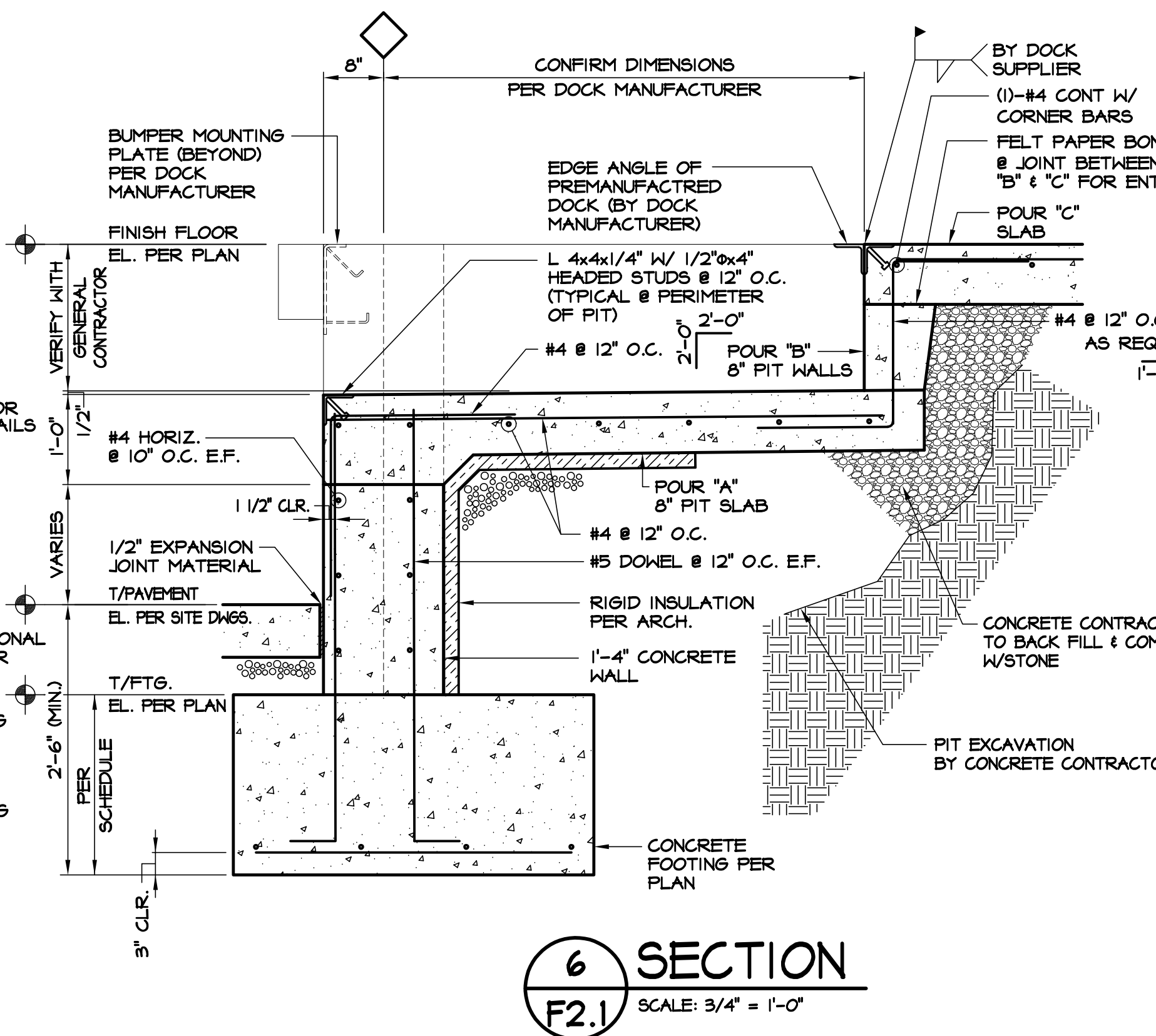
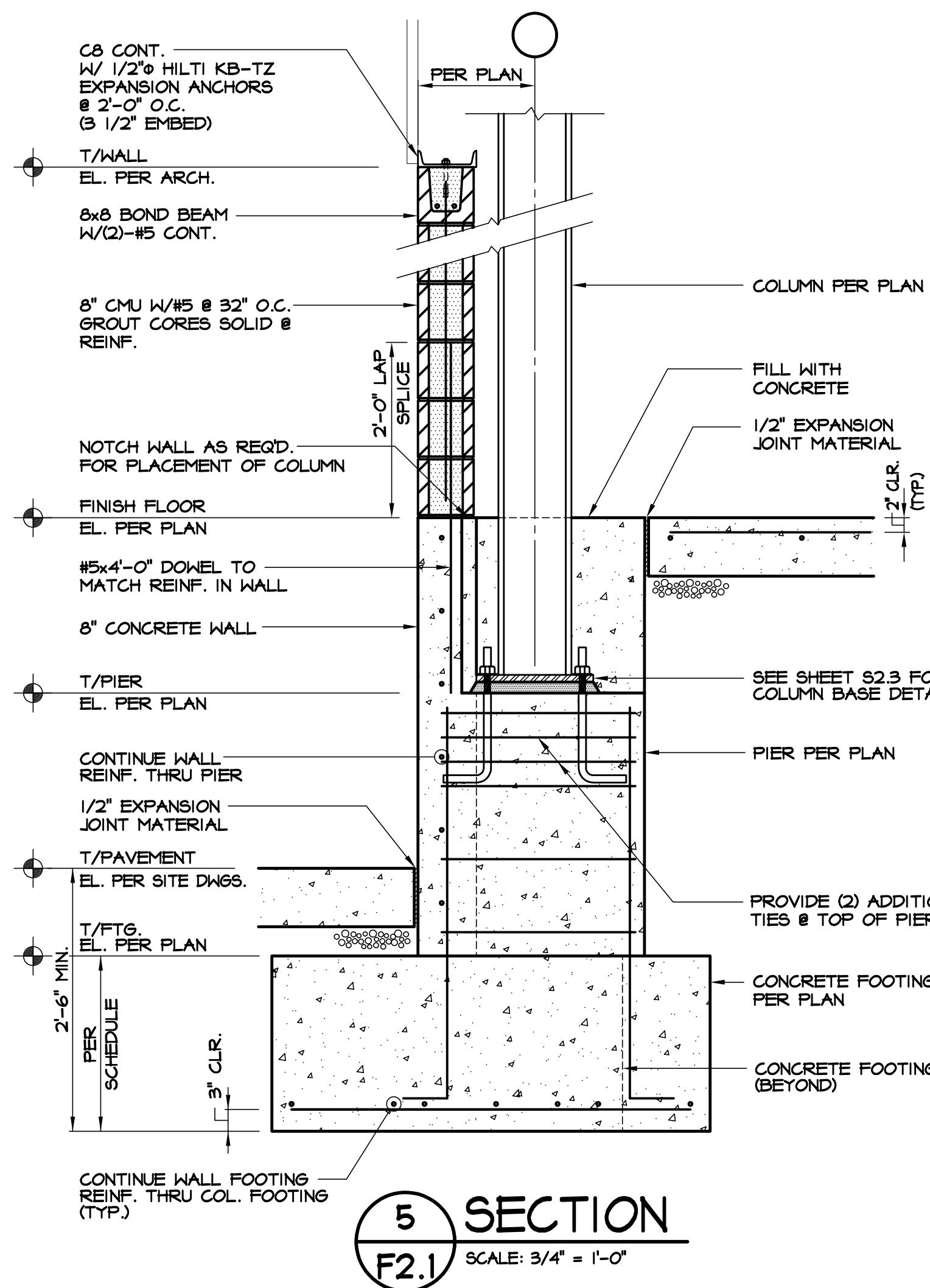
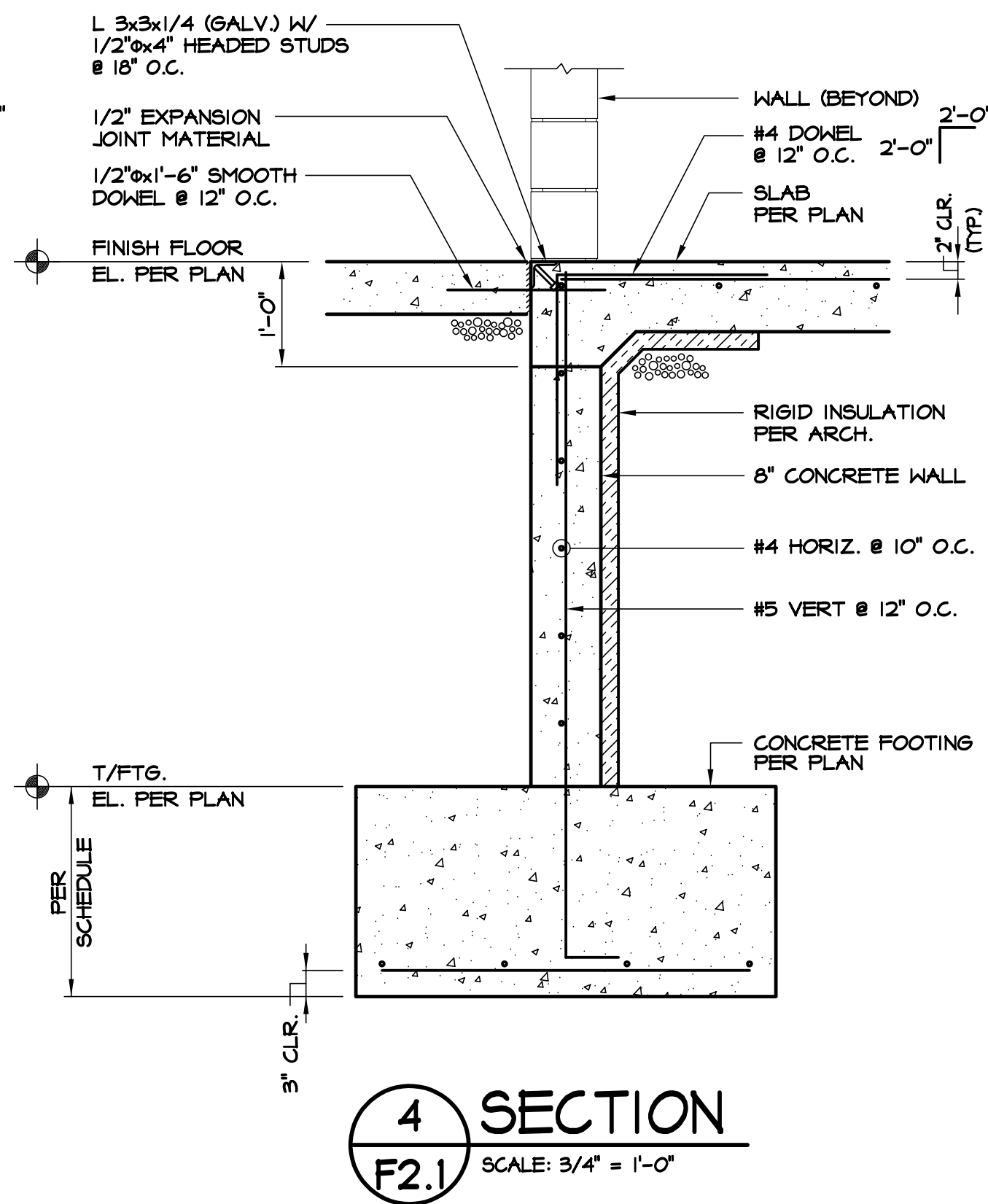
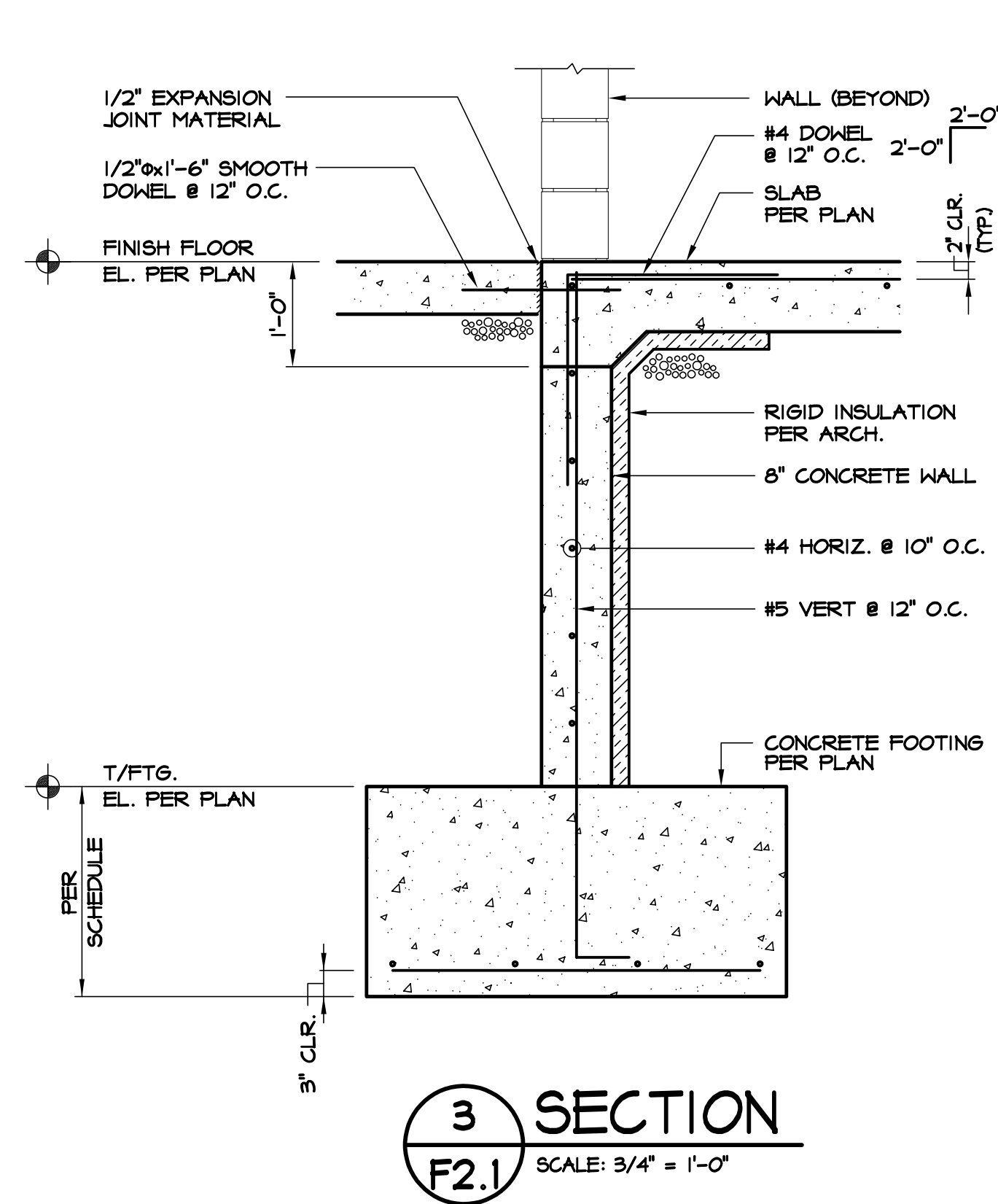
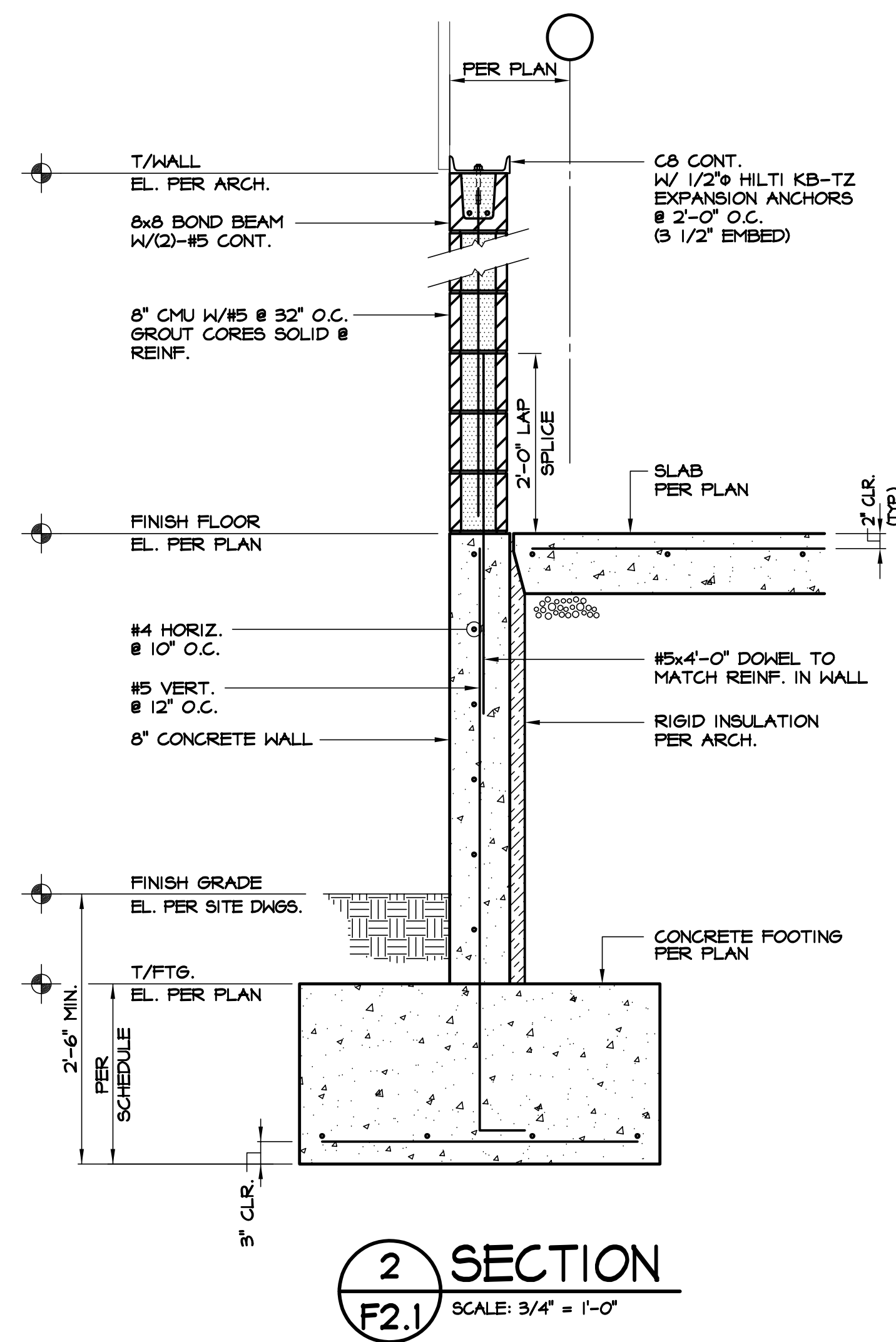
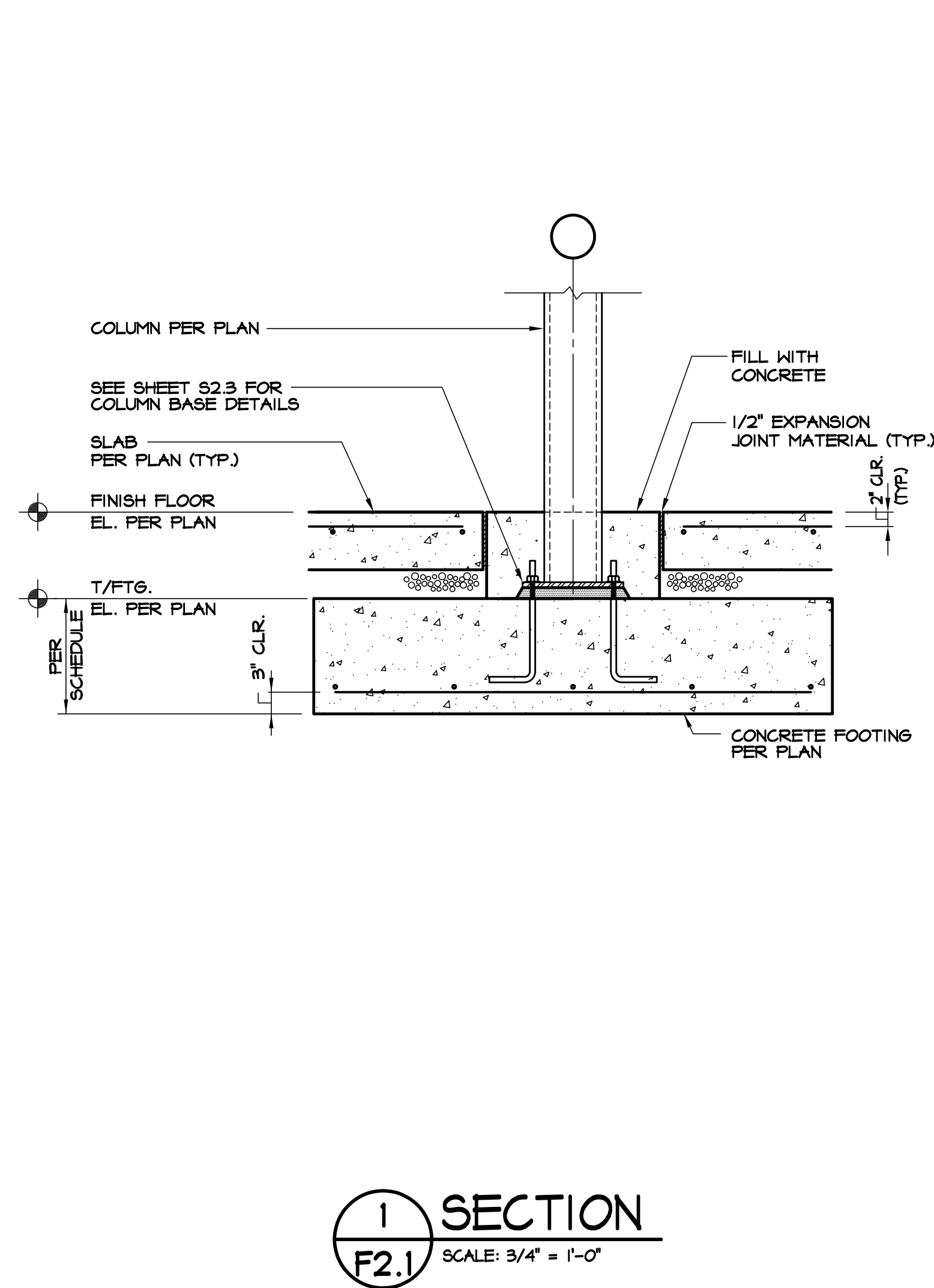
RENOVATIONS AND ADDITIONS
FOR
REPUBLIC WIRE
5525 UNION CENTRE DRIVE
WEST CHESTER, OHIO 45069

FOUNDATION PLAN

DATE: MAY 24, 2017
JOB NUMBER: 17-010
SCALE: AS NOTED
CREATED BY: J.T.D.
CHECKED BY: J.R.W.
ISSUED FOR:
PERMIT/BID: 05-24-17

SHEET NO.

F1.2



WOLFERT ENGINEERING, LTD.
1207 US ROUTE 42 S.
LEBANON, OHIO 45036
513-228-1680 PH

CERTIFIED BY:
STATE OF OHIO
Professional Engineer
Wolfert Engineering, Ltd.
E-59538

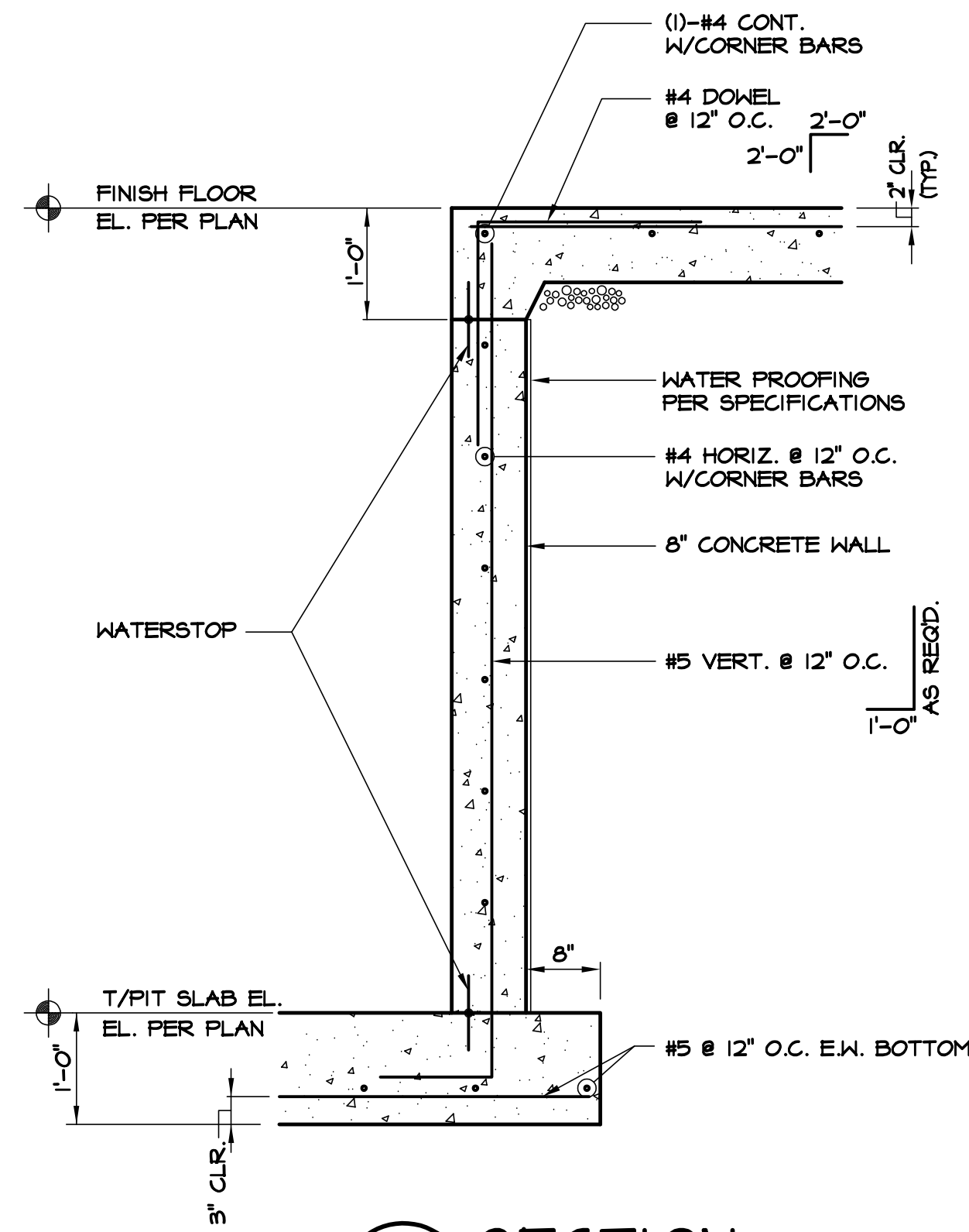
msp
McGill Smith Punshon, Inc.
3700 Park 42 Drive Suite 1908
Cincinnati, Ohio 45241-2097

RENOVATIONS AND ADDITIONS
FOR
REPUBLIC WIRE
5525 UNION CENTRE DRIVE
WEST CHESTER, OHIO 45069

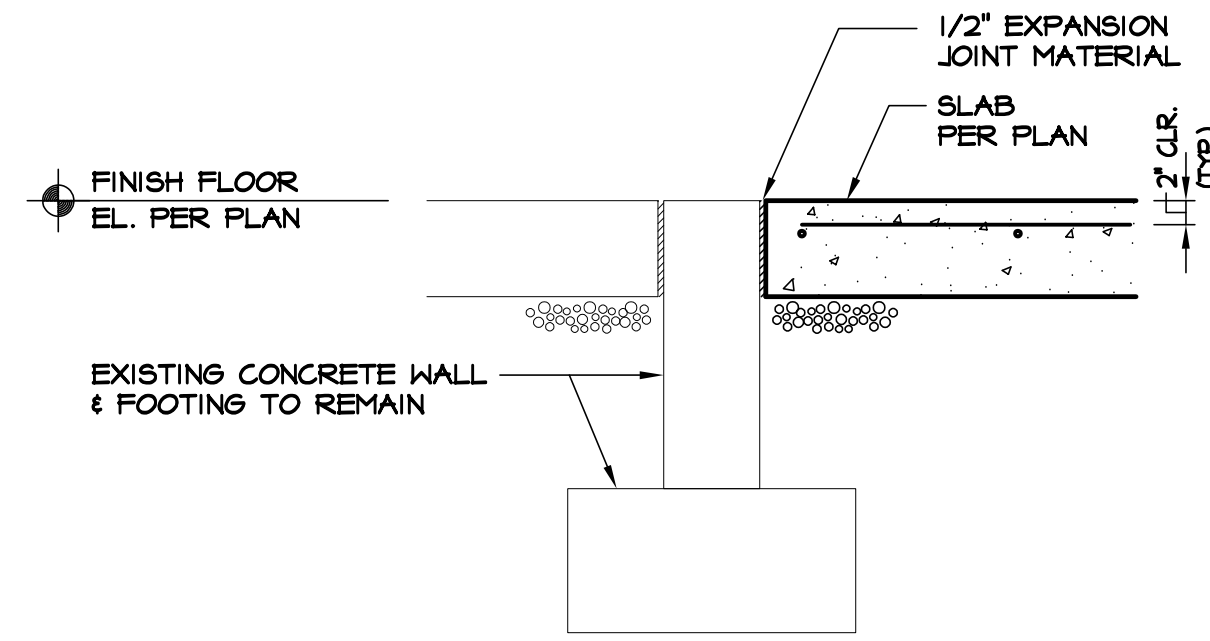
FOUNDATION PLAN

DATE: MAY 24, 2017
JOB NUMBER: 17-010
SCALE: AS NOTED
CREATED BY: J.T.D.
CHECKED BY: J.R.W.
ISSUED FOR:
PERMIT/BID: 05-24-17

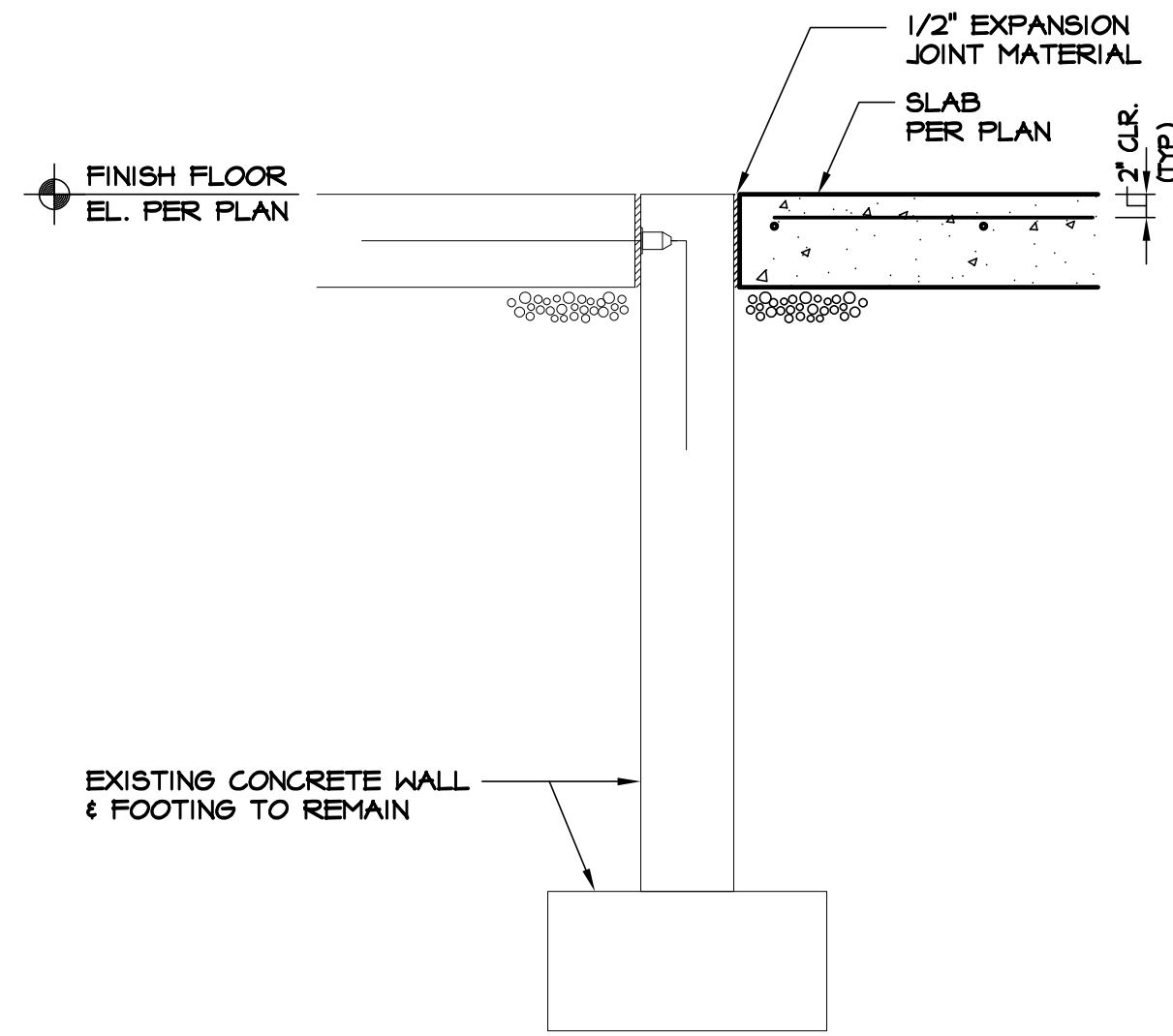
SHEET NO.
F2.1



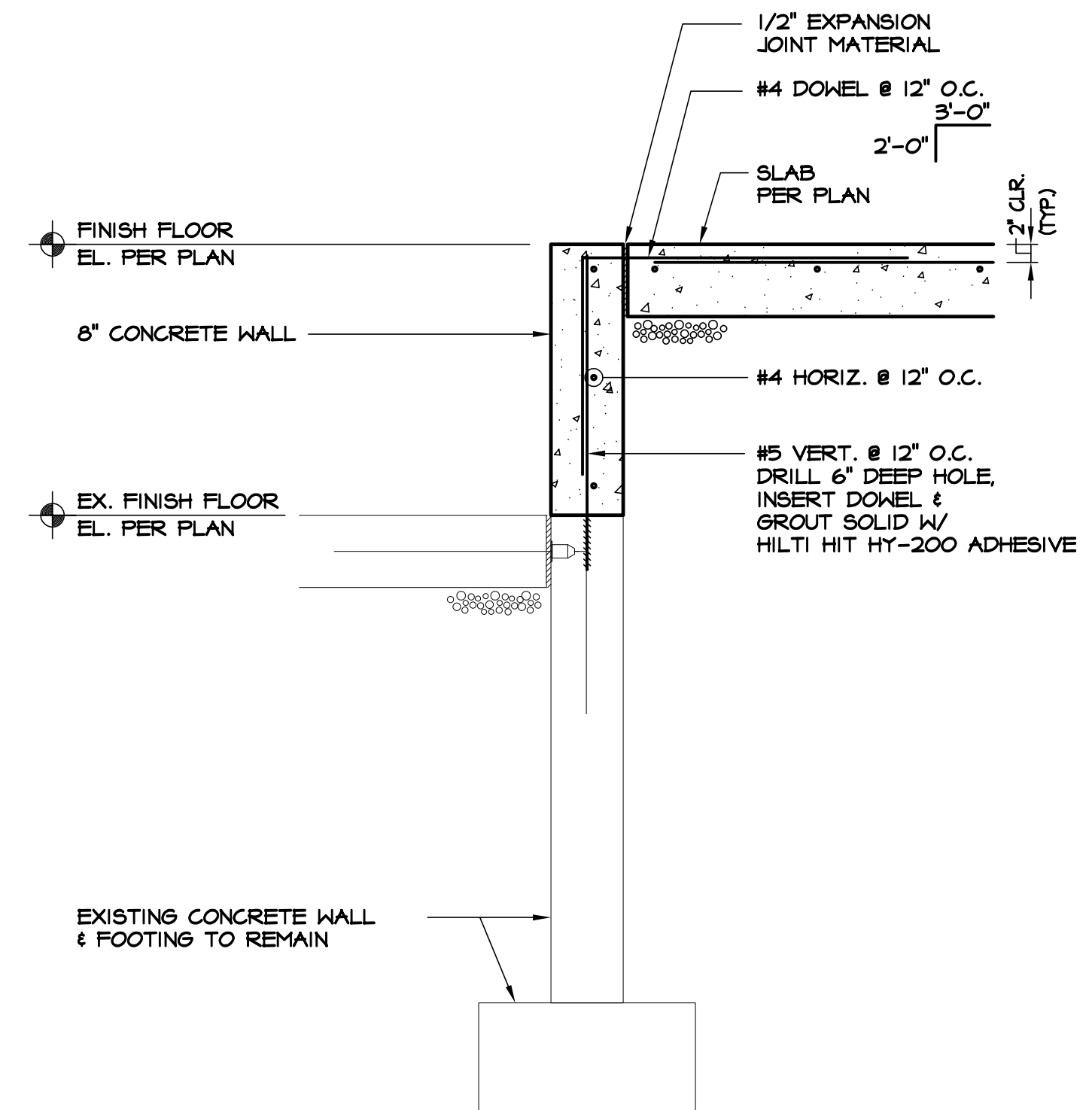
1 SECTION
F2.2 SCALE: 3/4" = 1'-0"



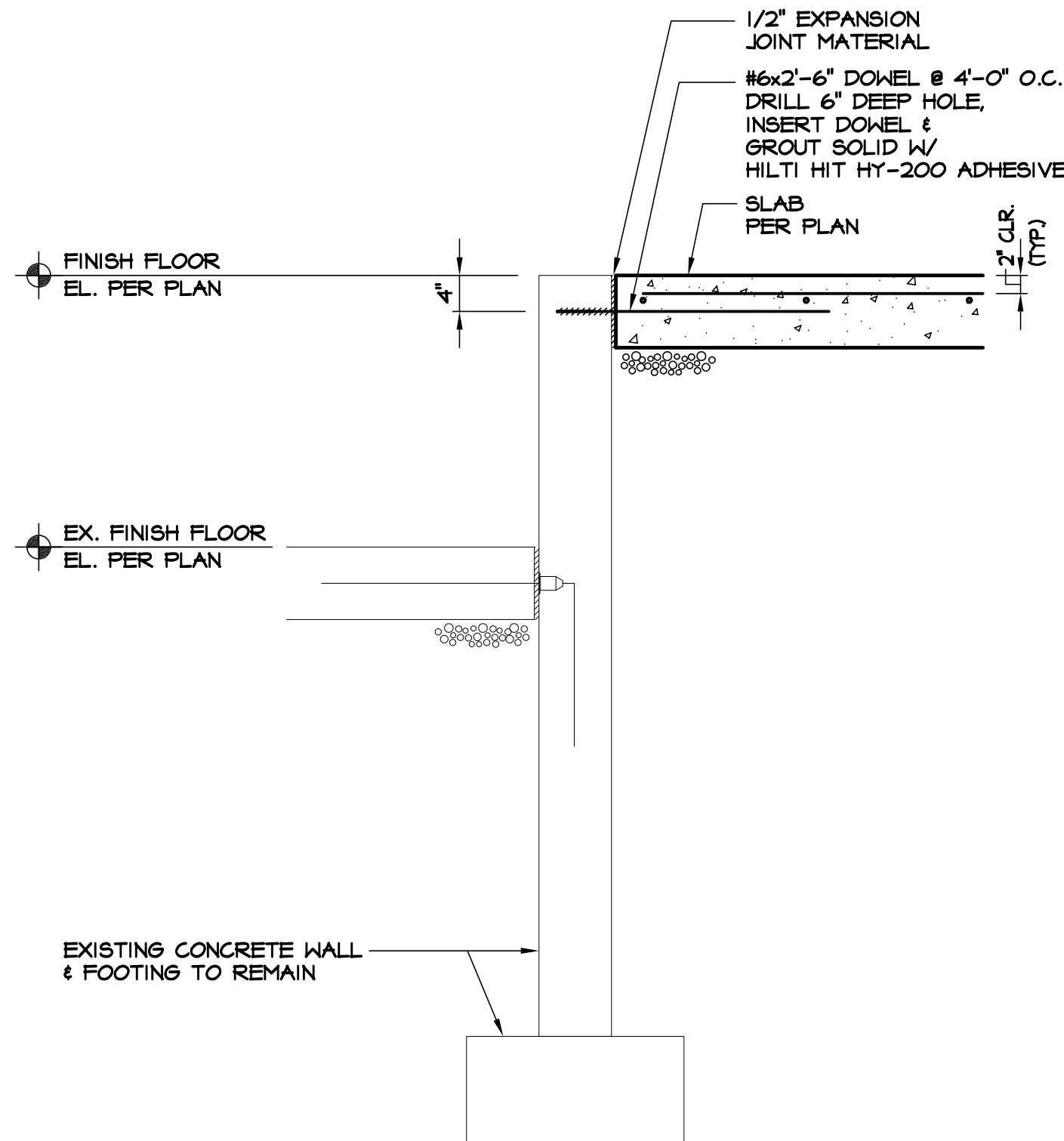
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F2.2 SCALE: 3/4" = 1'-0"



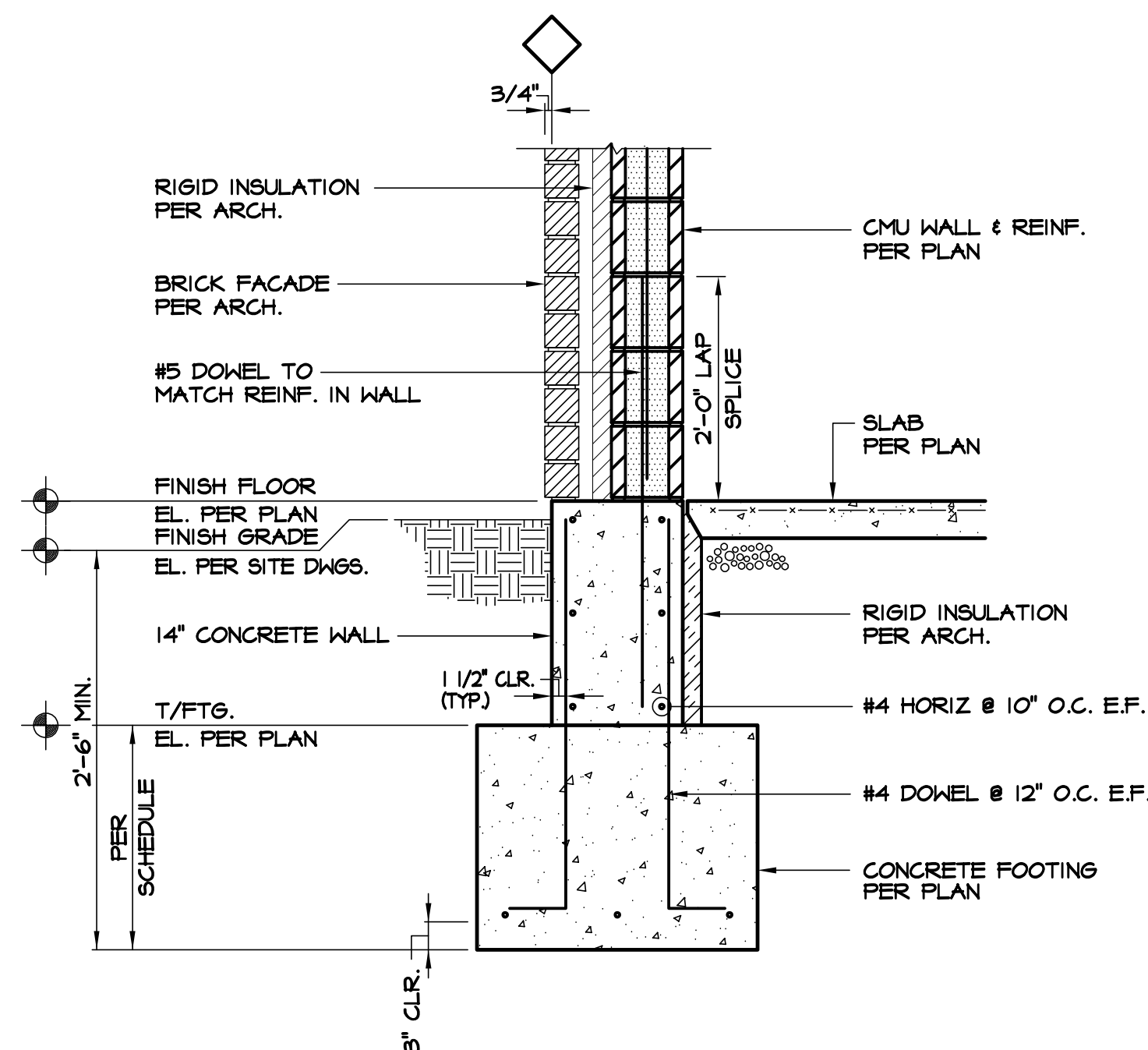
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F2.2 SCALE: 3/4" = 1'-0"



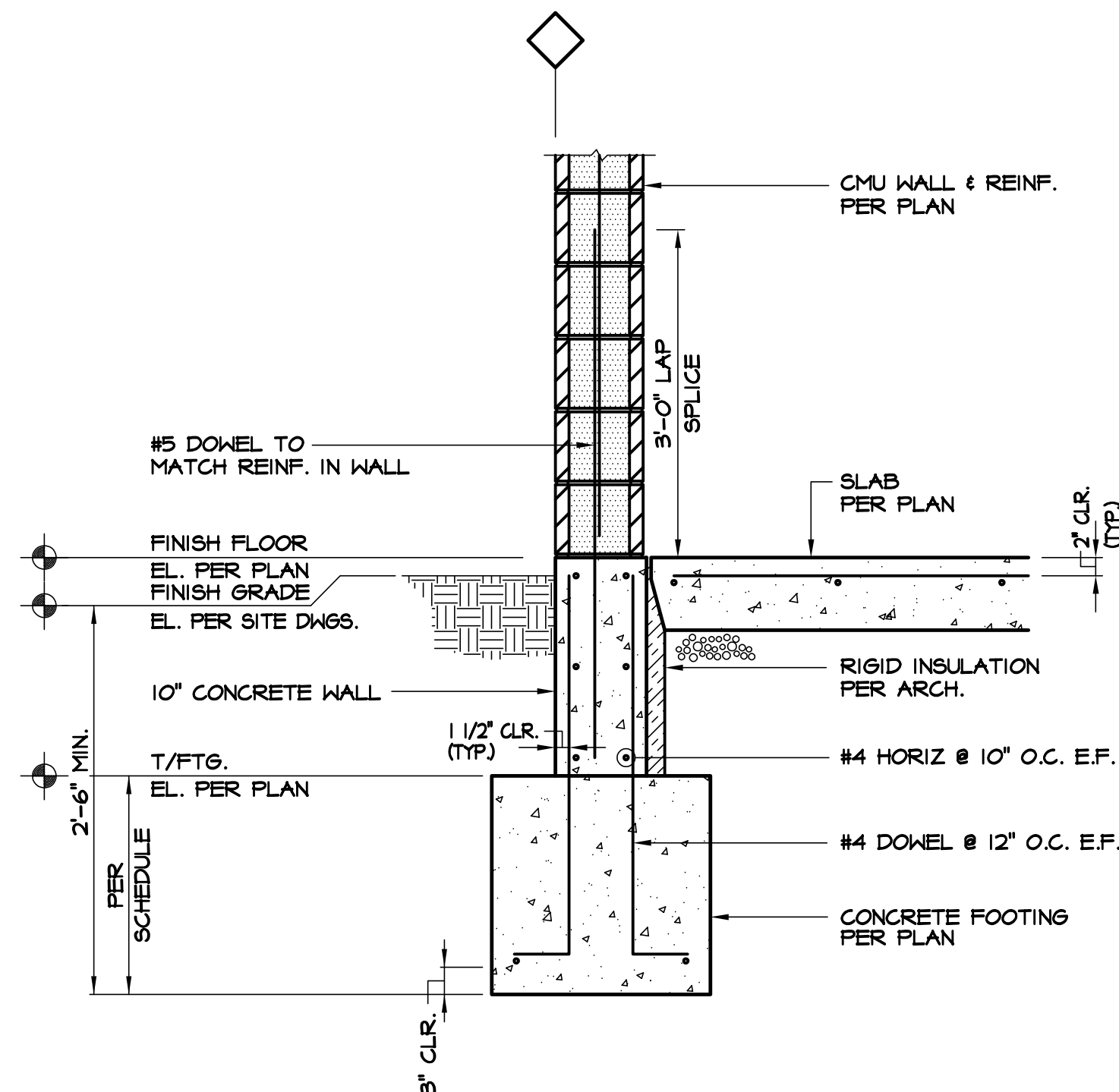
4 SECTION
F2.2 SCALE: 3/4" = 1'-0"



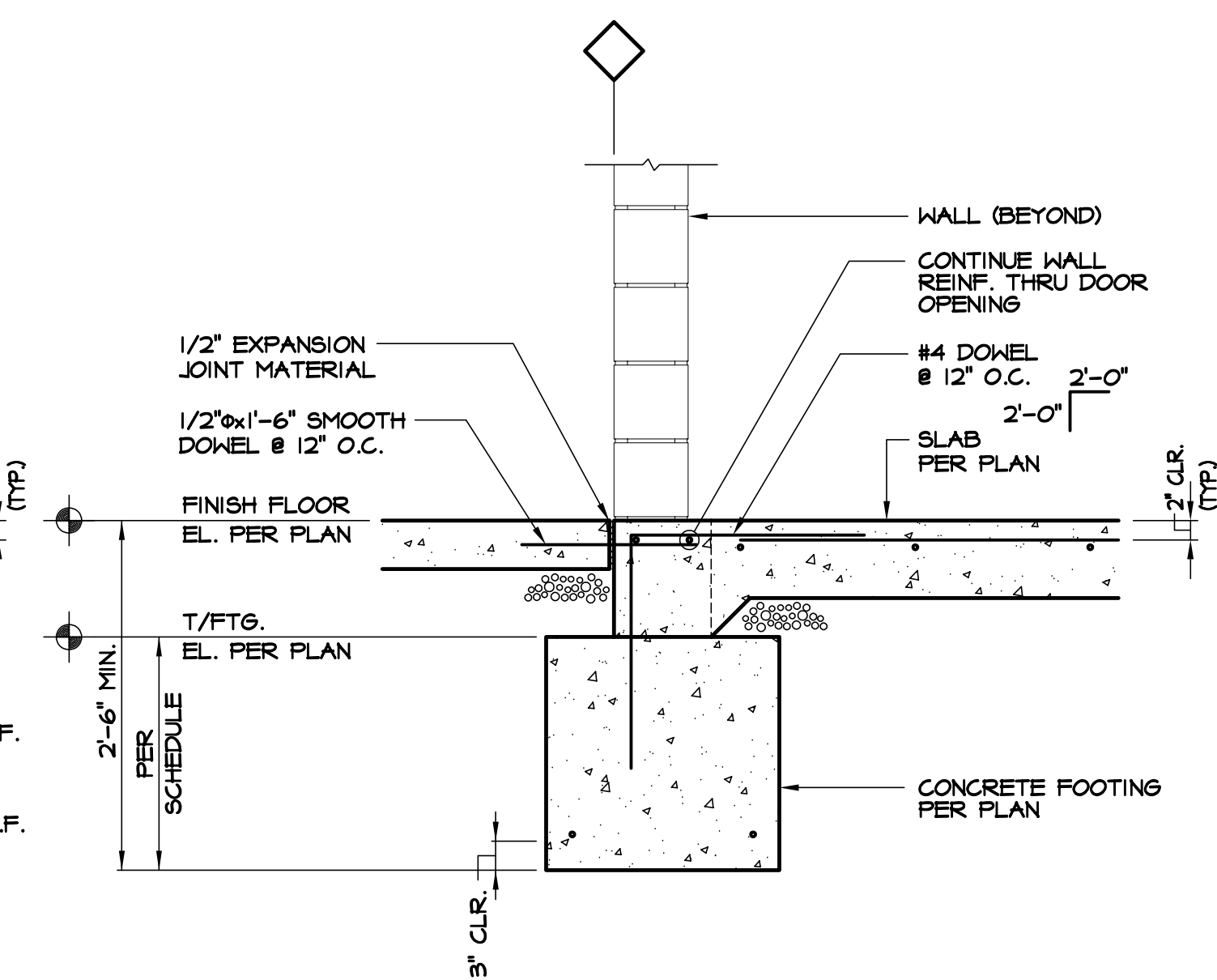
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F2.2 SCALE: 3/4" = 1'-0"



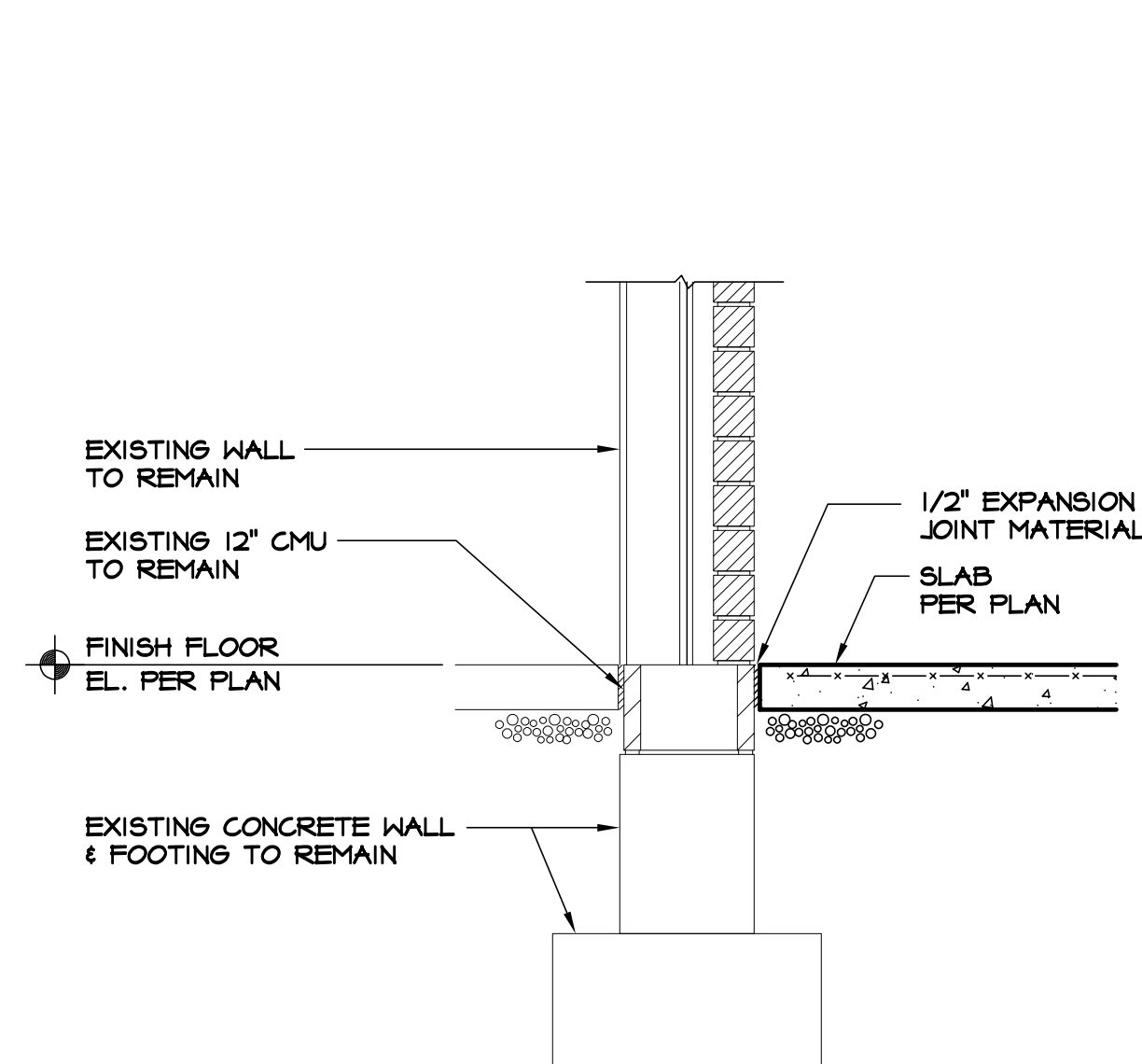
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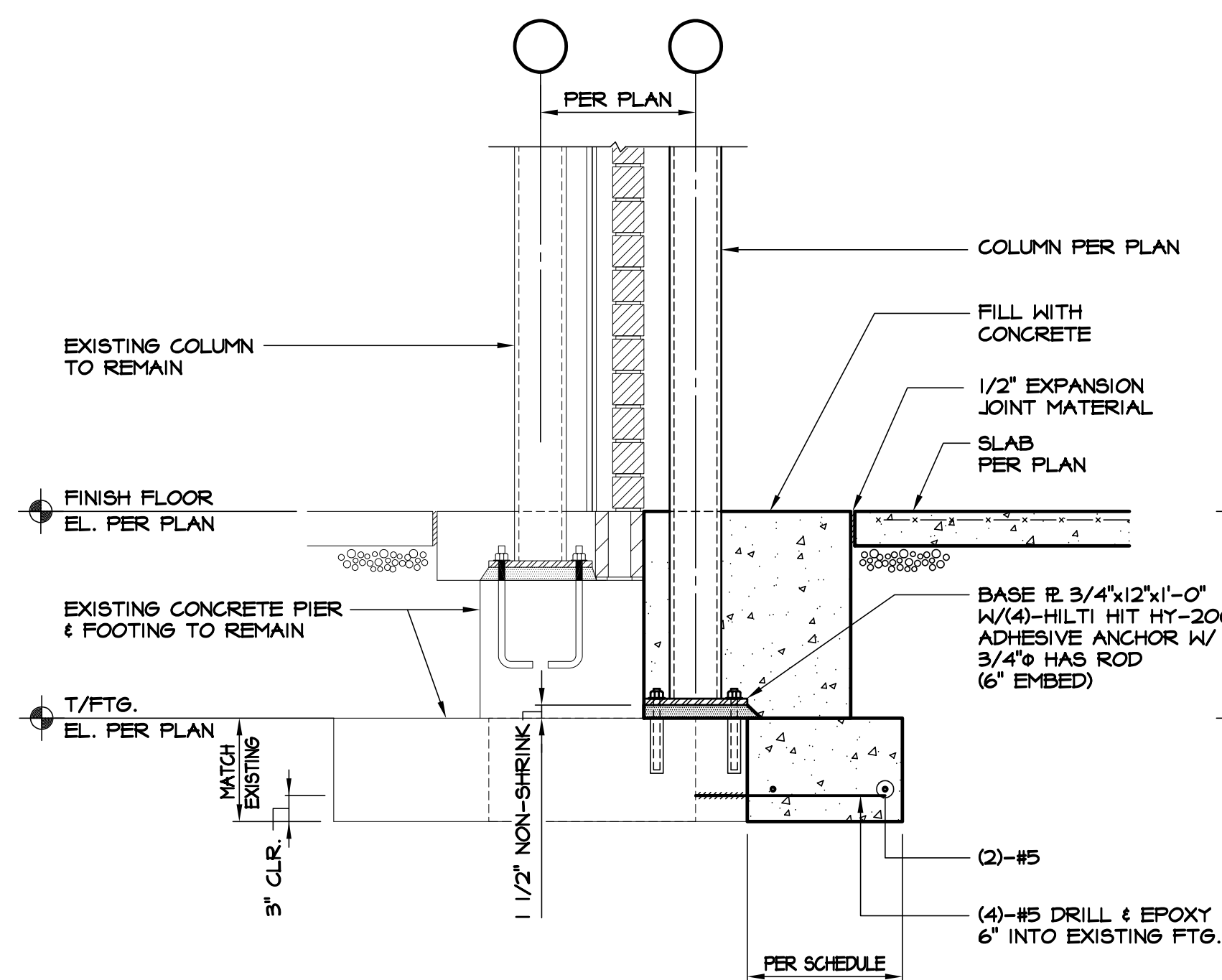
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F2.2 SCALE: 3/4" = 1'-0"



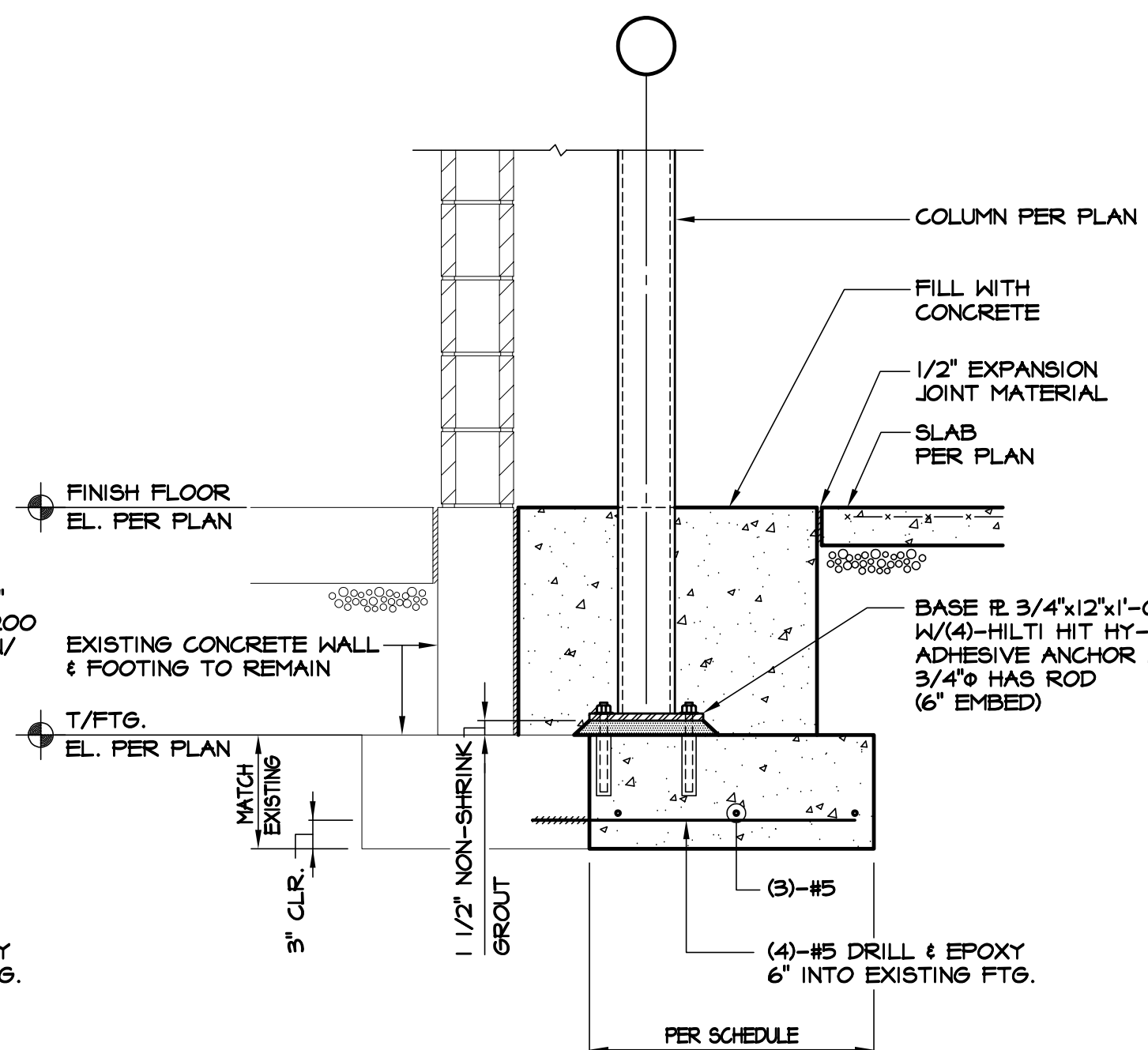
8 SECTION
F2.2 SCALE: 3/4" = 1'-0"



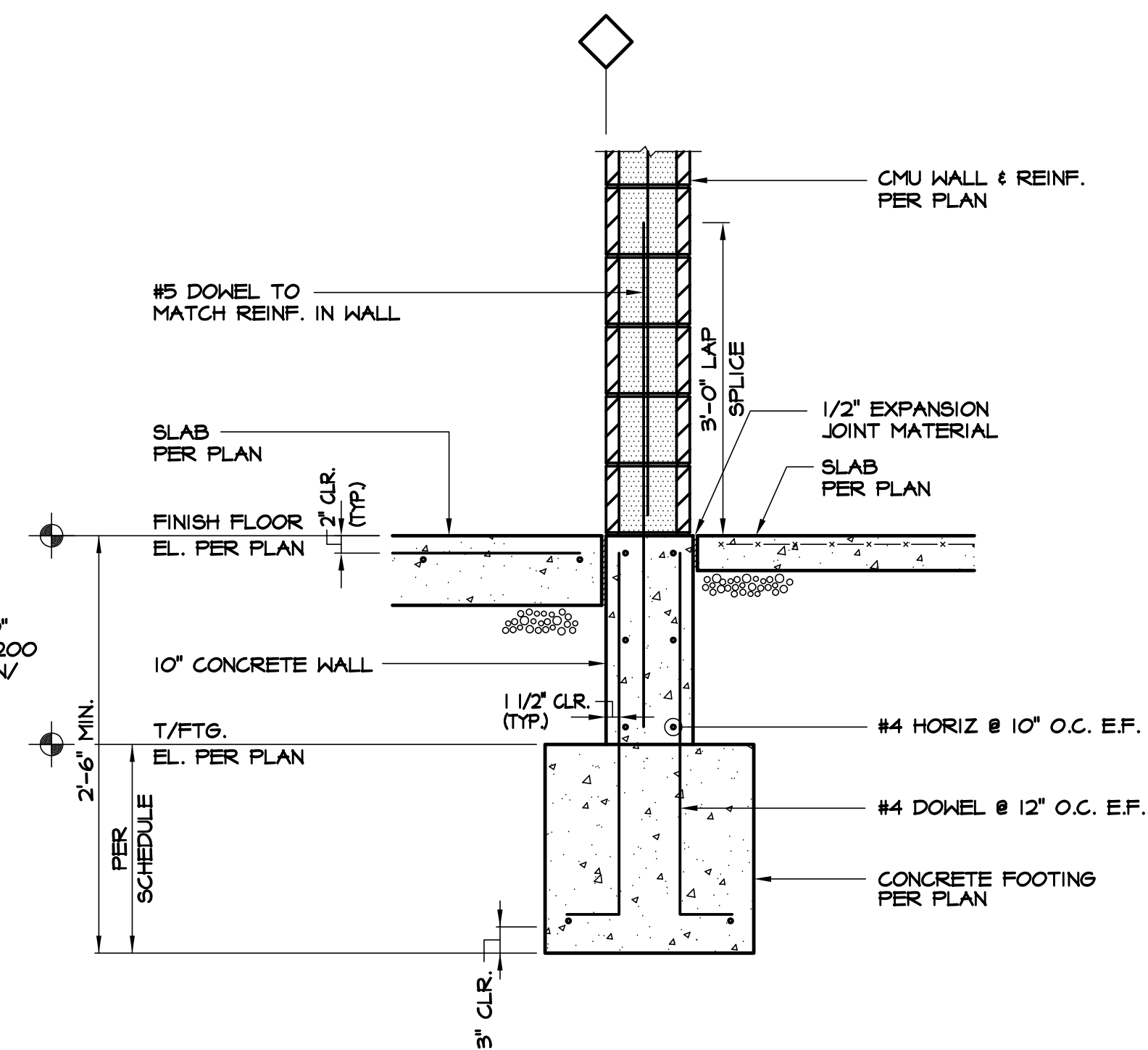
1 SECTION
F2.3 SCALE: 3/4" = 1'-0"



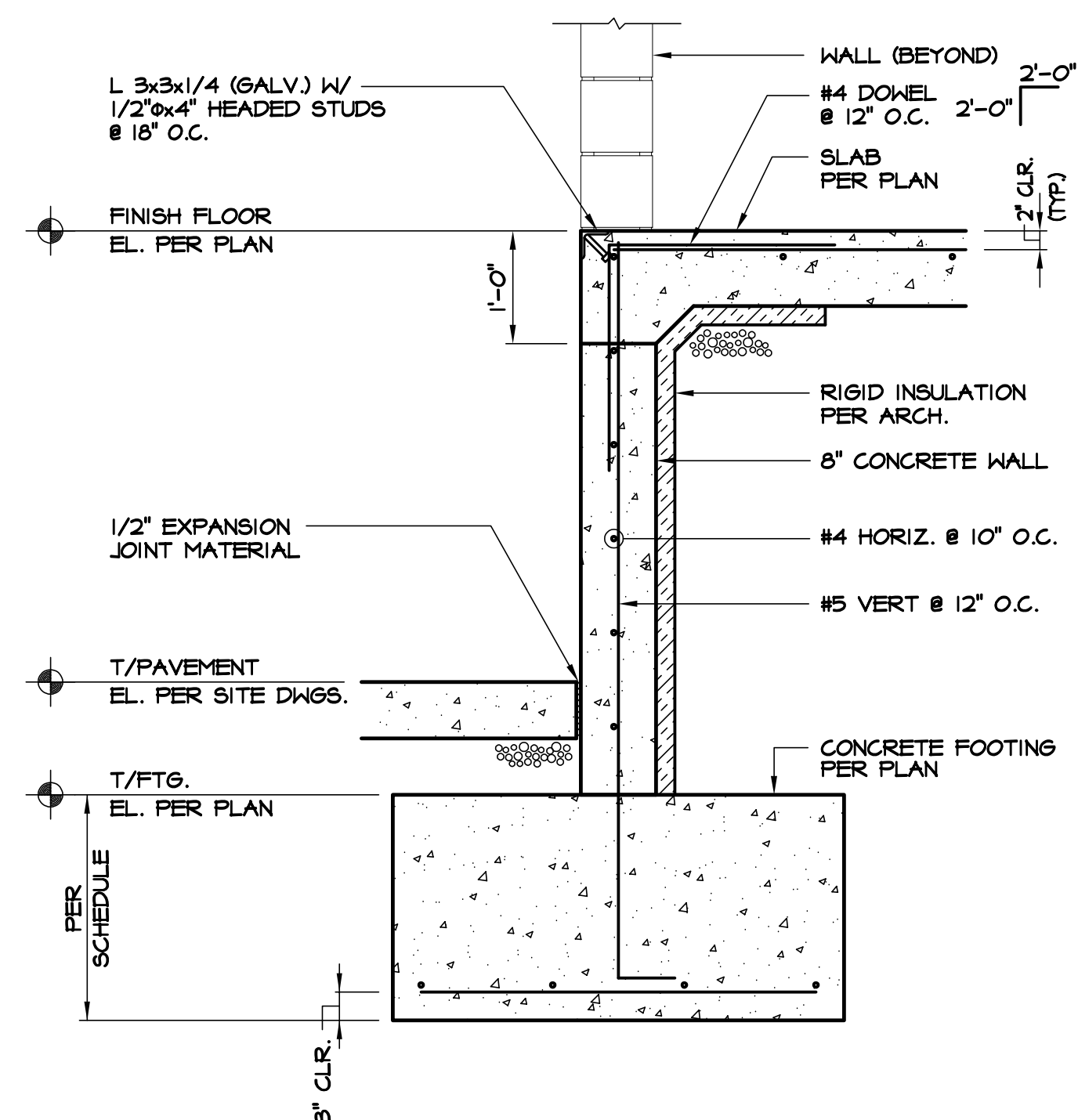
2 SECTION
F2.3 SCALE: 3/4" = 1'-0"



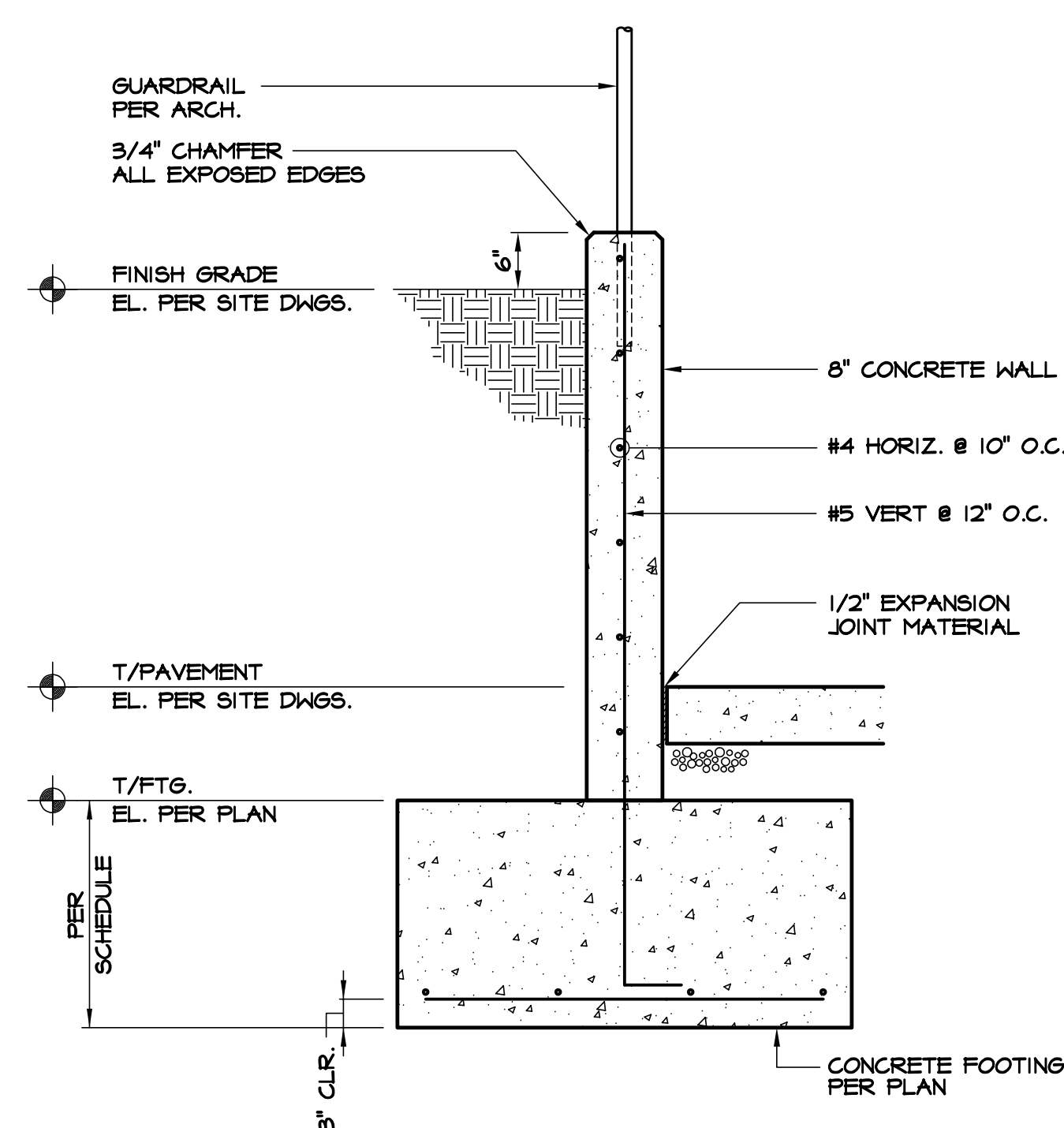
3 SECTION
F2.3 SCALE: 3/4" = 1'-0"



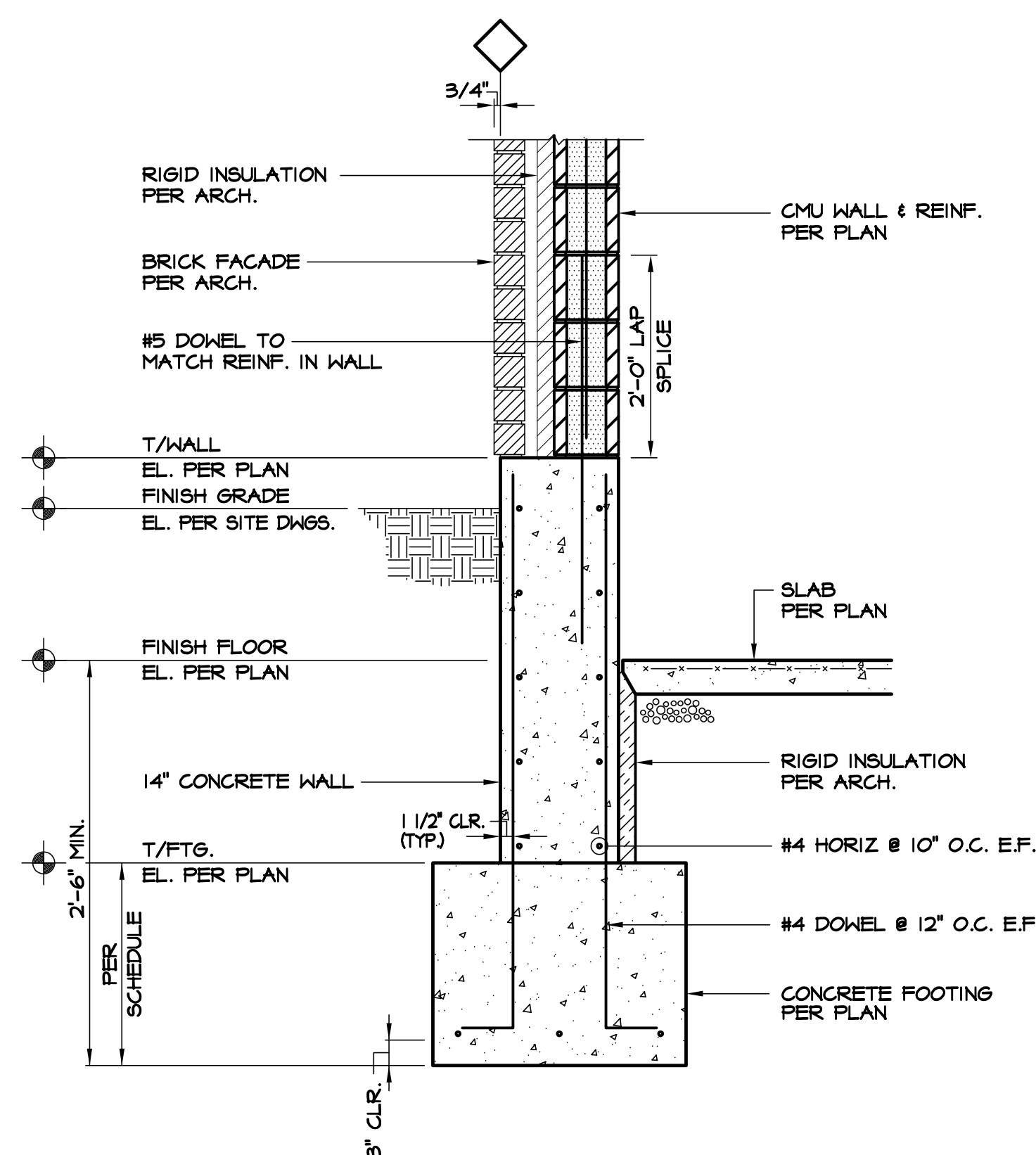
4 SECTION
F2.3 SCALE: 3/4" = 1'-0"



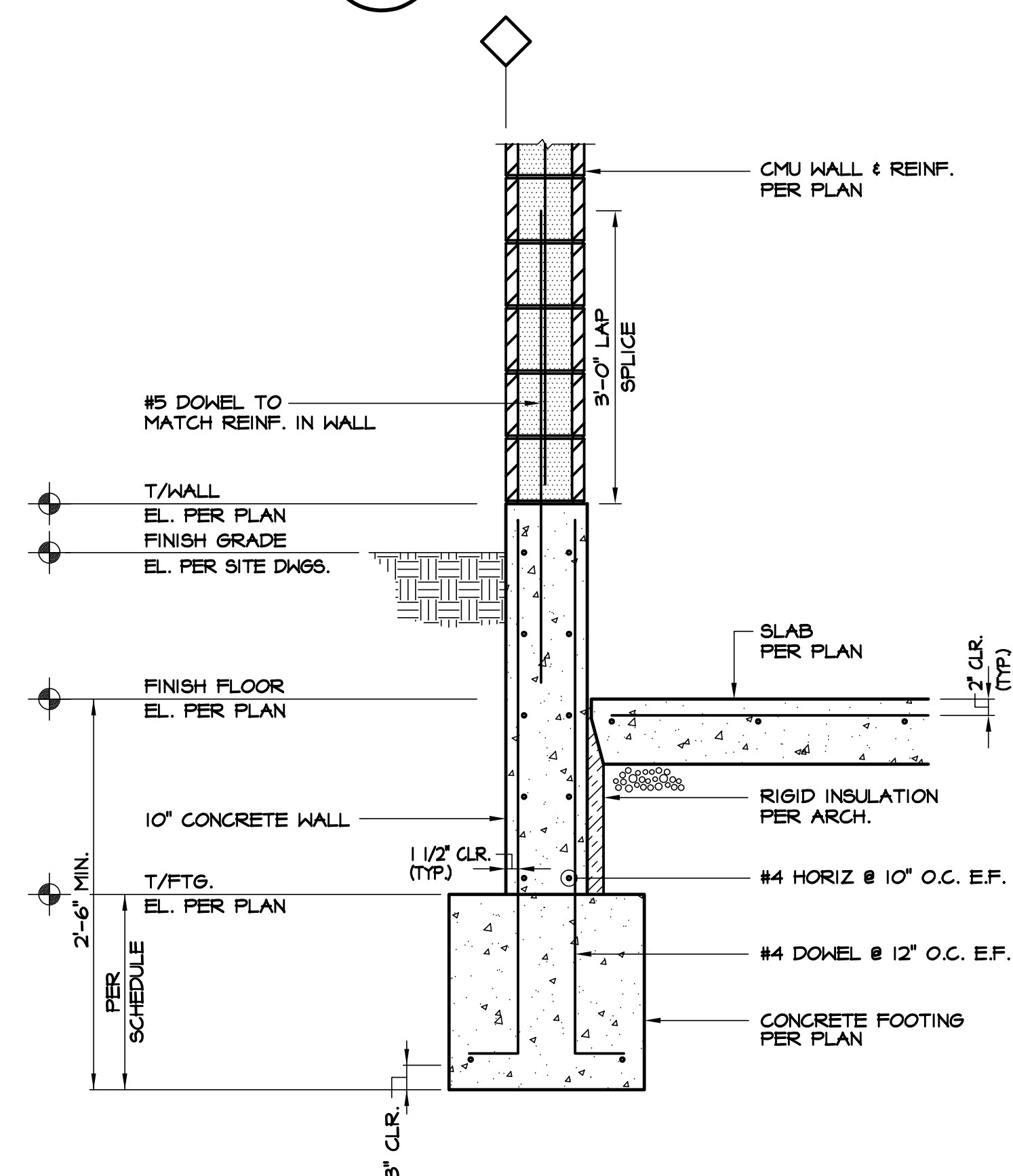
5 SECTION
F2.3 SCALE: 3/4" = 1'-0"



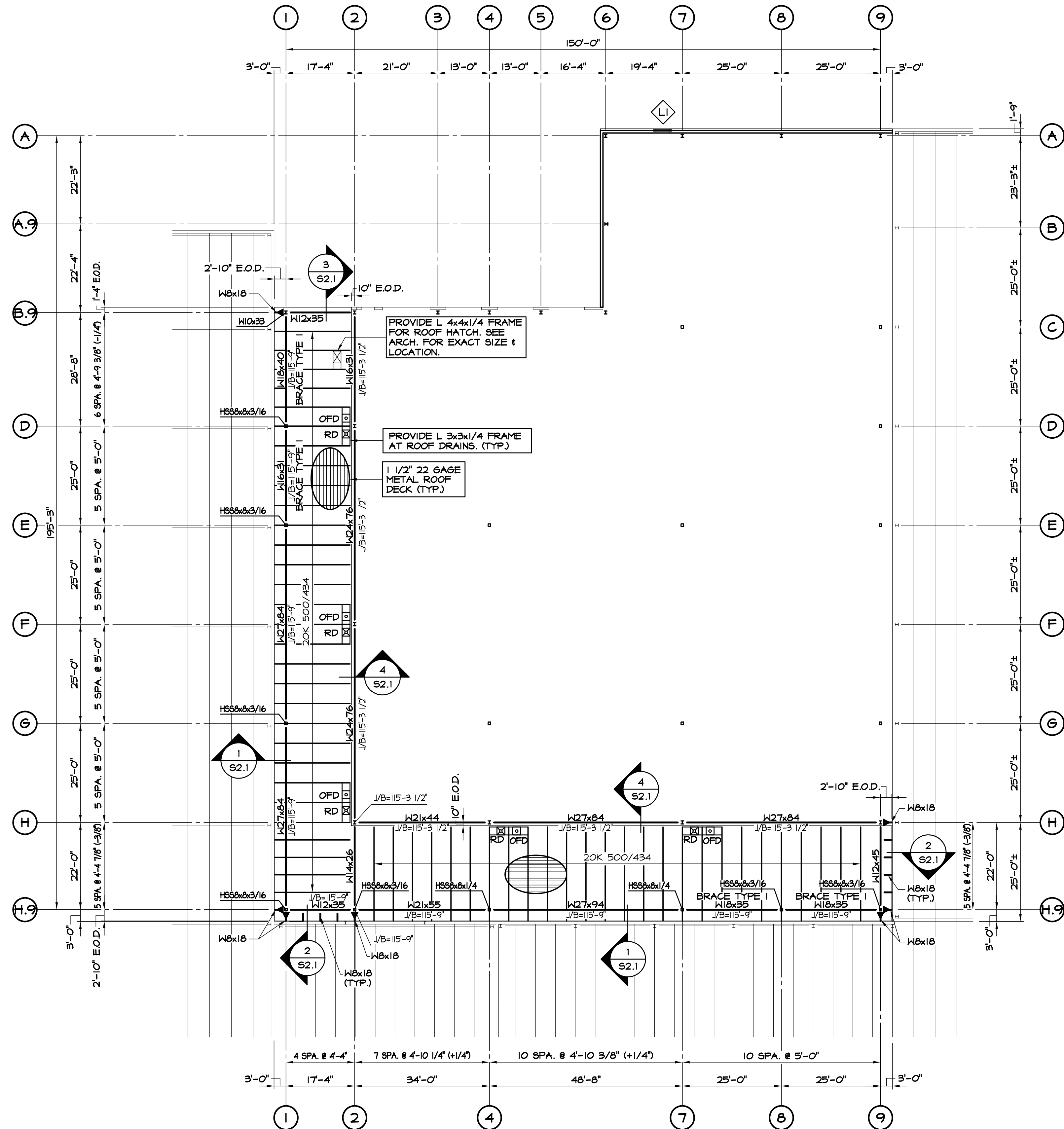
6 SECTION
F2.3 SCALE: 3/4" = 1'-0"



7 SECTION
F2.3 SCALE: 3/4" = 1'-0"



8 SECTION
F2.3 SCALE: 3/4" = 1'-0"

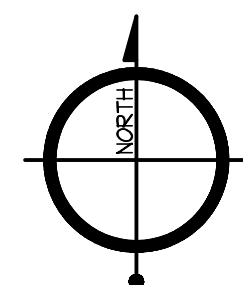


LOW ROOF FRAMING PLAN

SCALE: 1/16" = 1'-0"

NOTES:

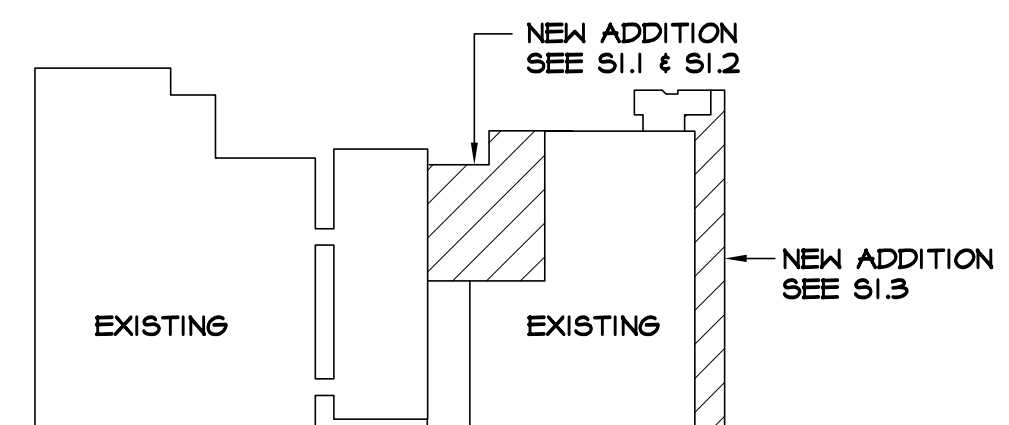
- JOIST BEARING ELEVATION PER PLAN (13'-0" MINIMUM CLEAR) WITH S.J.I. SPECIFICATIONS.
- INSTALL BRIDGING IN ACCORDANCE WITH S.J.I. SPECIFICATIONS.
- SEE DWG. S1.2 FOR COLUMN SIZES NOT SHOWN.
- COORDINATE EXACT SIZE & LOCATIONS OF ALL ROOF TOP UNITS WITH THE MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR TO PROVIDE CURBS UNDER ALL ROOF TOP EQUIPMENT. CURBS TO BE SIZED TO SUPPORT THE WEIGHT OF THE ROOF TOP EQUIPMENT. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF THE CURB AND THE ROOF TOP EQUIPMENT.
- SPRINKLER SUPPLIER AND JOIST SUPPLIER SHALL COORDINATE LOCATION OF SPRINKLER HEADS WITH HORIZONTAL BRIDGING LOCATIONS PRIOR TO FABRICATION & ERECTION OF THE JOISTS.
- INDICATES MOMENT CONNECTION.
- UPLIFT BRIDGING IS REQUIRED TO BE INSTALLED IN ACCORDANCE WITH S.J.I. SPECIFICATIONS. ROOF JOISTS SHALL BE DESIGNED FOR A NET UPLIFT OF 7.9 PSF IN THE FIELD AND 10.4 PSF IN PERIMETER STRIP OF 10'-0" AND 10.4 PSF IN CORNERS.



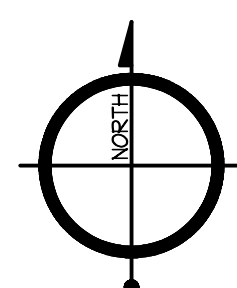
LINTEL SCHEDULE	
MARK	LINTEL SIZE
L1	Q-L 3 1/2x3 1/2x1/4 W/L 3 1/2x3 1/2x1/4 BRICK LINTEL
L2	Q-L 3 1/2x3 1/2x1/4

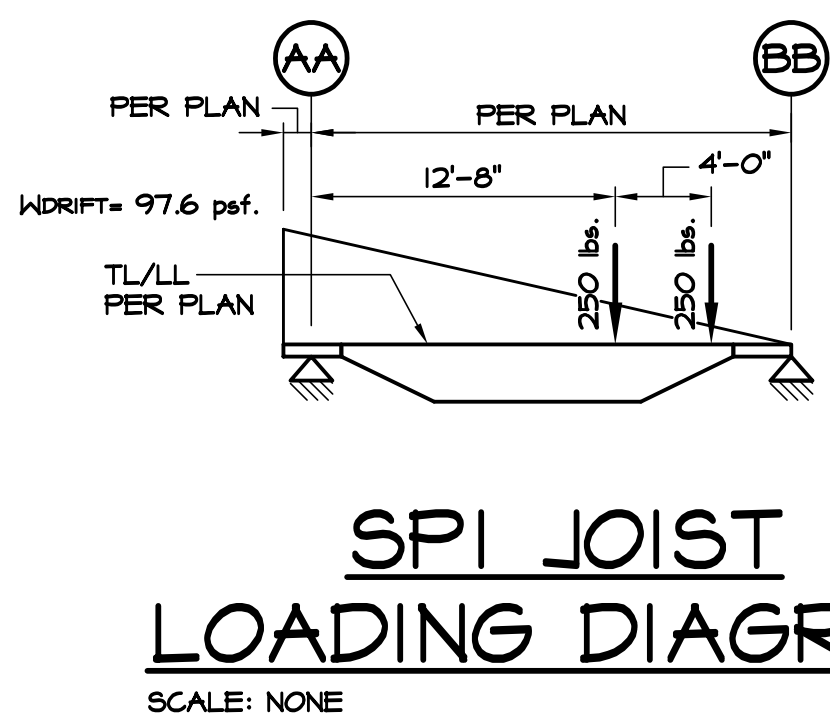
NOTES:

- PROVIDE 6" BEARING EACH END TYP.



KEY PLAN
SCALE: NONE

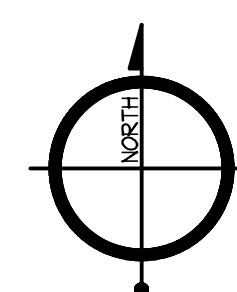




SCALE: 1/16" = 1'-0"


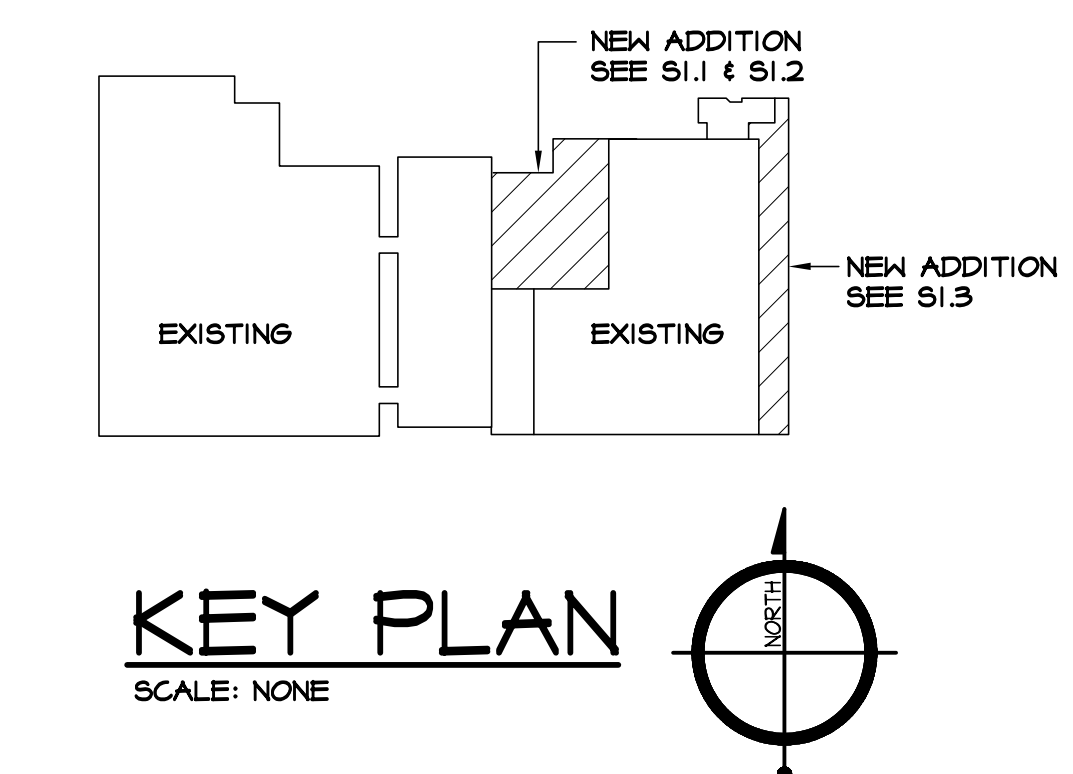
NOTES:

1. JOIST BEARING ELEVATION PER PLAN (20'-0" MINIMUM CLEAR)
2. INSTALL BRIDGING IN ACCORDANCE WITH S.J.I. SPECIFICATIONS.
3. COORDINATE EXACT SIZE & LOCATIONS OF ALL ROOF TOP UNITS WITH THE MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR TO PROVIDE CURBS UNDER ALL ROOF TOP EQUIPMENT. CURBS TO BE SIZED TO SUPPORT THE WEIGHT OF THE ROOF TOP EQUIPMENT. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF THE CURB AND THE ROOF TOP EQUIPMENT.
4. SPRINKLER SUPPLIER AND JOIST SUPPLIER SHALL COORDINATE LOCATION OF SPRINKLER HEADS WITH HORIZONTAL BRIDGING LOCATIONS PRIOR TO FABRICATION & ERECTION OF THE JOISTS.
5. UPLIFT BRIDGING IS REQUIRED TO BE INSTALLED IN ACCORDANCE WITH S.J.I SPECIFICATIONS. ROOF JOISTS SHALL BE DESIGNED FOR A NET UPLIFT OF 7.9 PSF IN THE FIELD AND 10.4 PSF IN PERIMETER STRIP OF 4'-0" AND 31.4 PSF IN CORNERS.



NOTES:



1. PROVIDE 8" BEARING EACH END TYP.



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LEBANON, OHIO 45036
513-228-1680 ea

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3700 Park 42 Drive Suite 190B
Cincinnati, Ohio 45241-2097

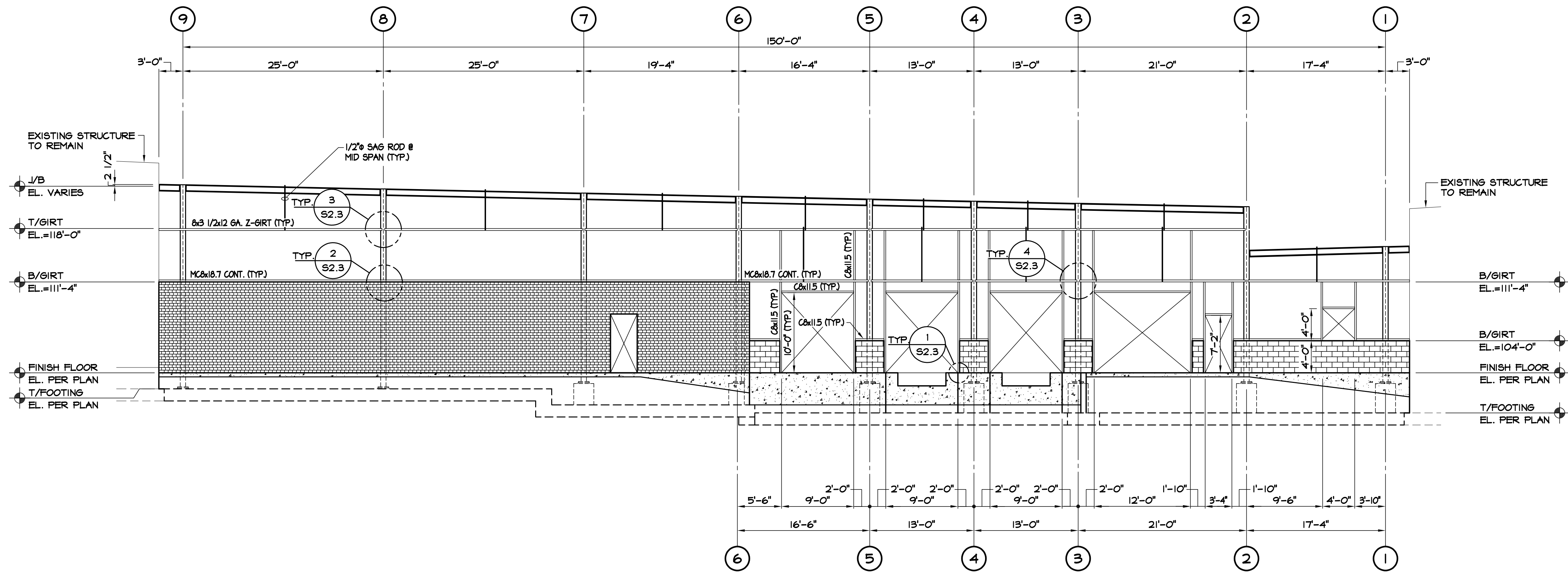
RENOVATIONS AND ADDITIONS
FOR
REPUBLIC WIRE
5525 UNION CENTRE DRIVE
WEST CHESTER, OHIO 45069

ROOF FRAMING PLAN

[illegible]

SHEET NO.

S1.3

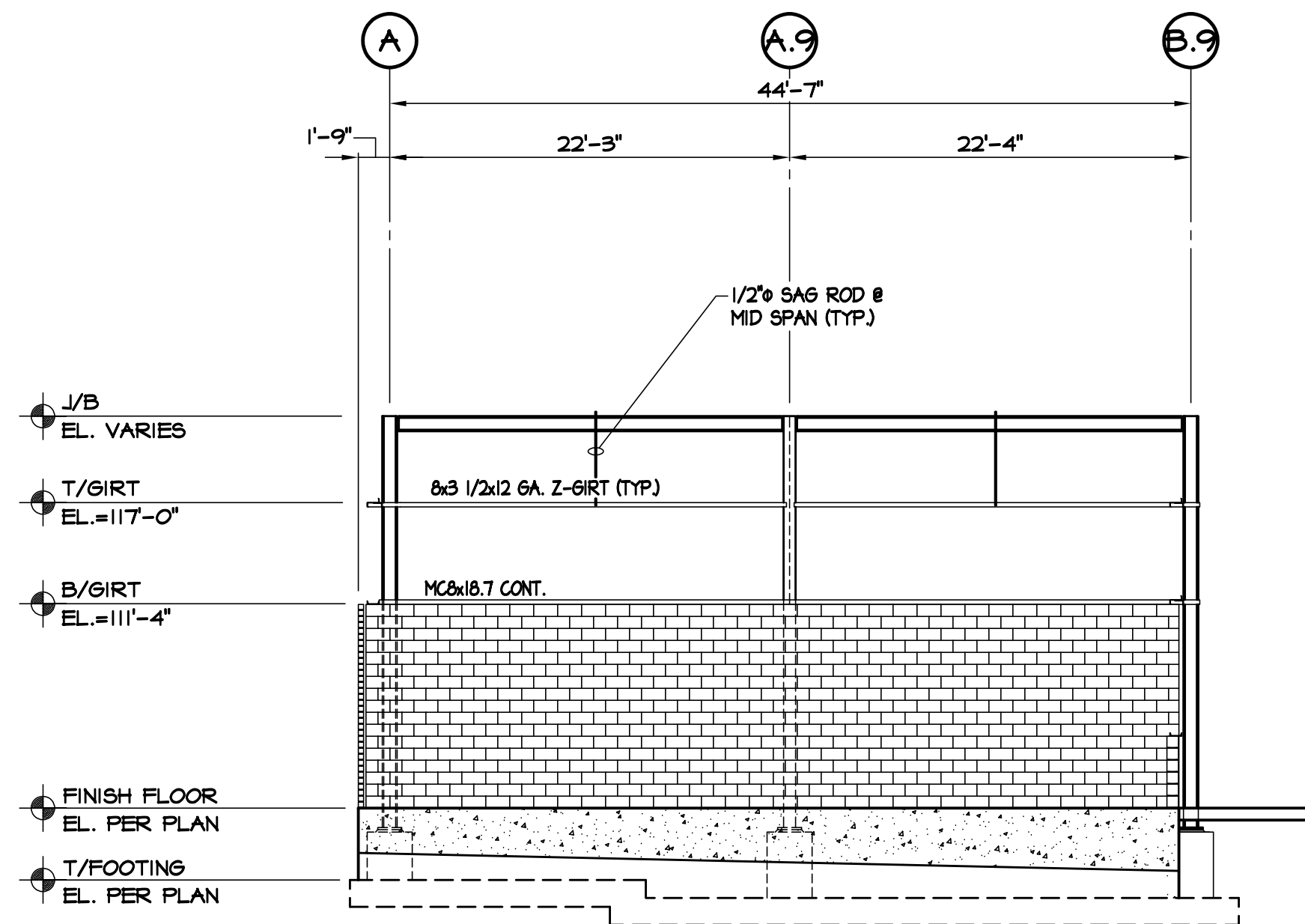


NORTH ELEVATION

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

NOTES:

1. C6 GIRT TO BE ANCHORED TO TOP OF MASONRY WALL W/ 1/2" HILTI KB-TZ ANCHORS @ 2'-0" O.C. (3 1/2" EMBED)
2. ALL GIRTS SHALL BE TWO-SPAN CONDITION AND SHALL HAVE AISI SHORT LAP SPLICES. C6 GIRTS DO NOT REQUIRE LAP SPLICES.



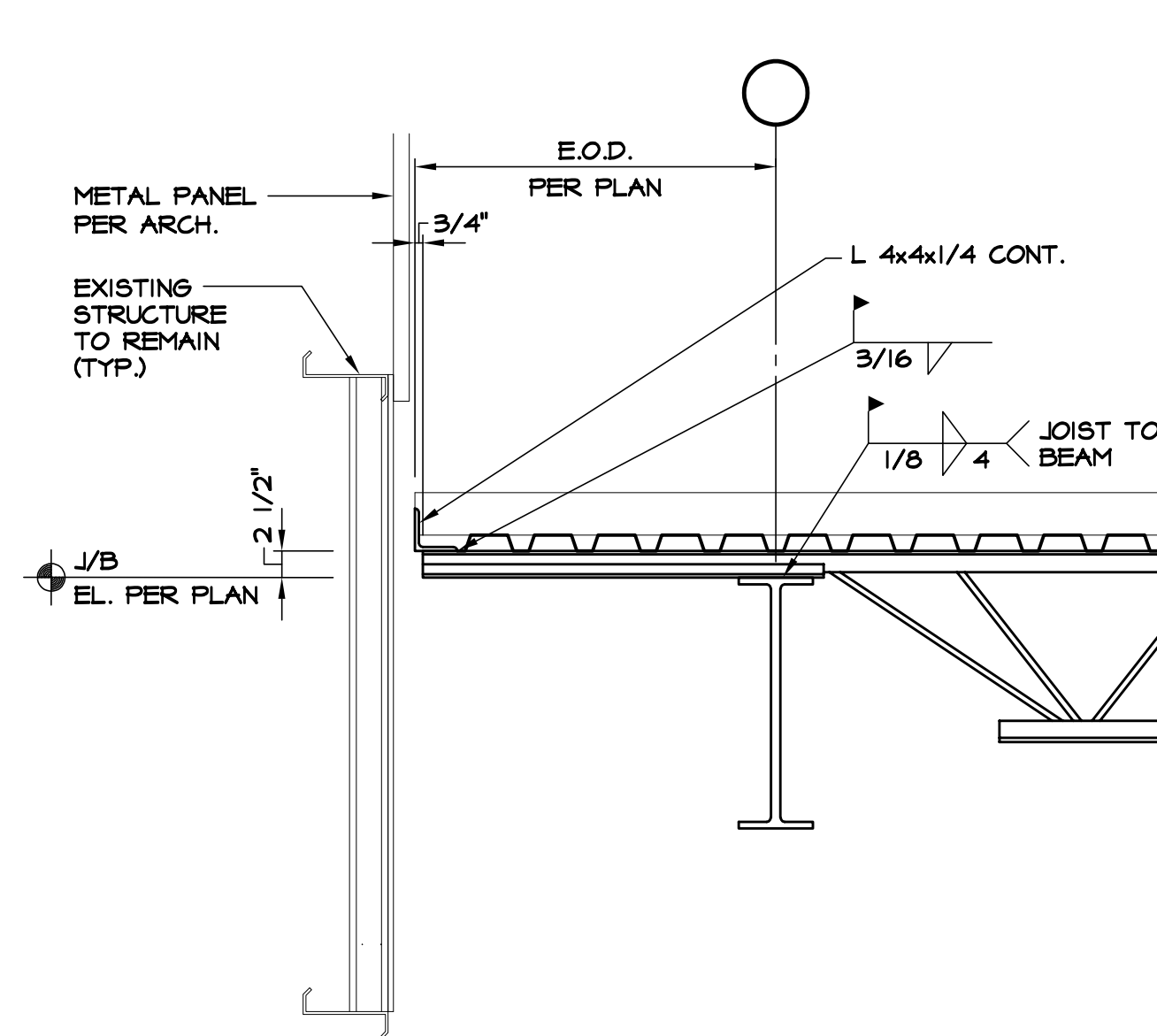
WEST ELEVATION

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

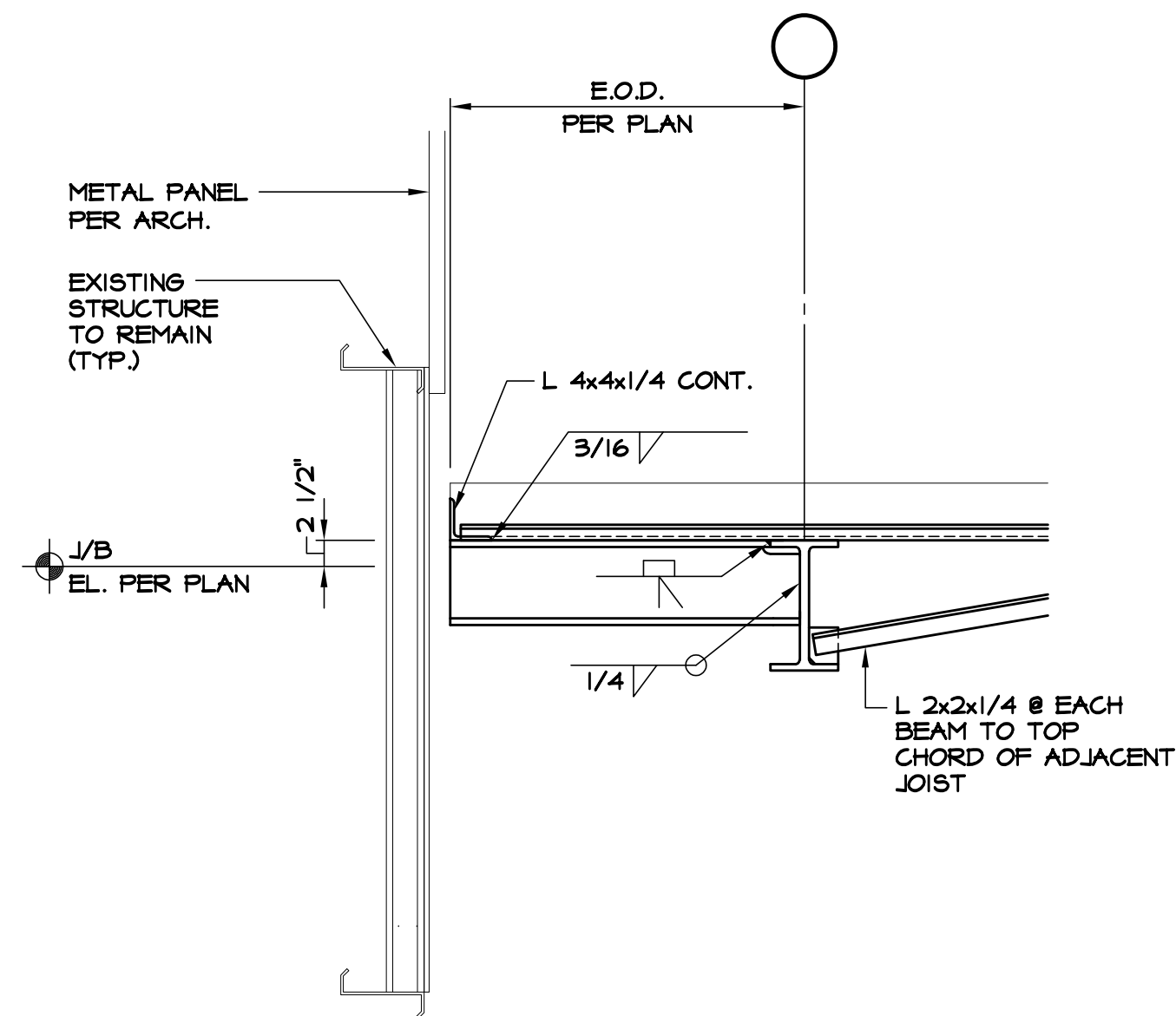
NOTES:

1. C6 GIRT TO BE ANCHORED TO TOP OF MASONRY WALL W/ 1/2" HILTI KB-TZ ANCHORS @ 2'-0" O.C. (3 1/2" EMBED)
2. ALL GIRTS SHALL BE TWO-SPAN CONDITION AND SHALL HAVE AISI SHORT LAP SPLICES. C6 GIRTS DO NOT REQUIRE LAP SPLICES.

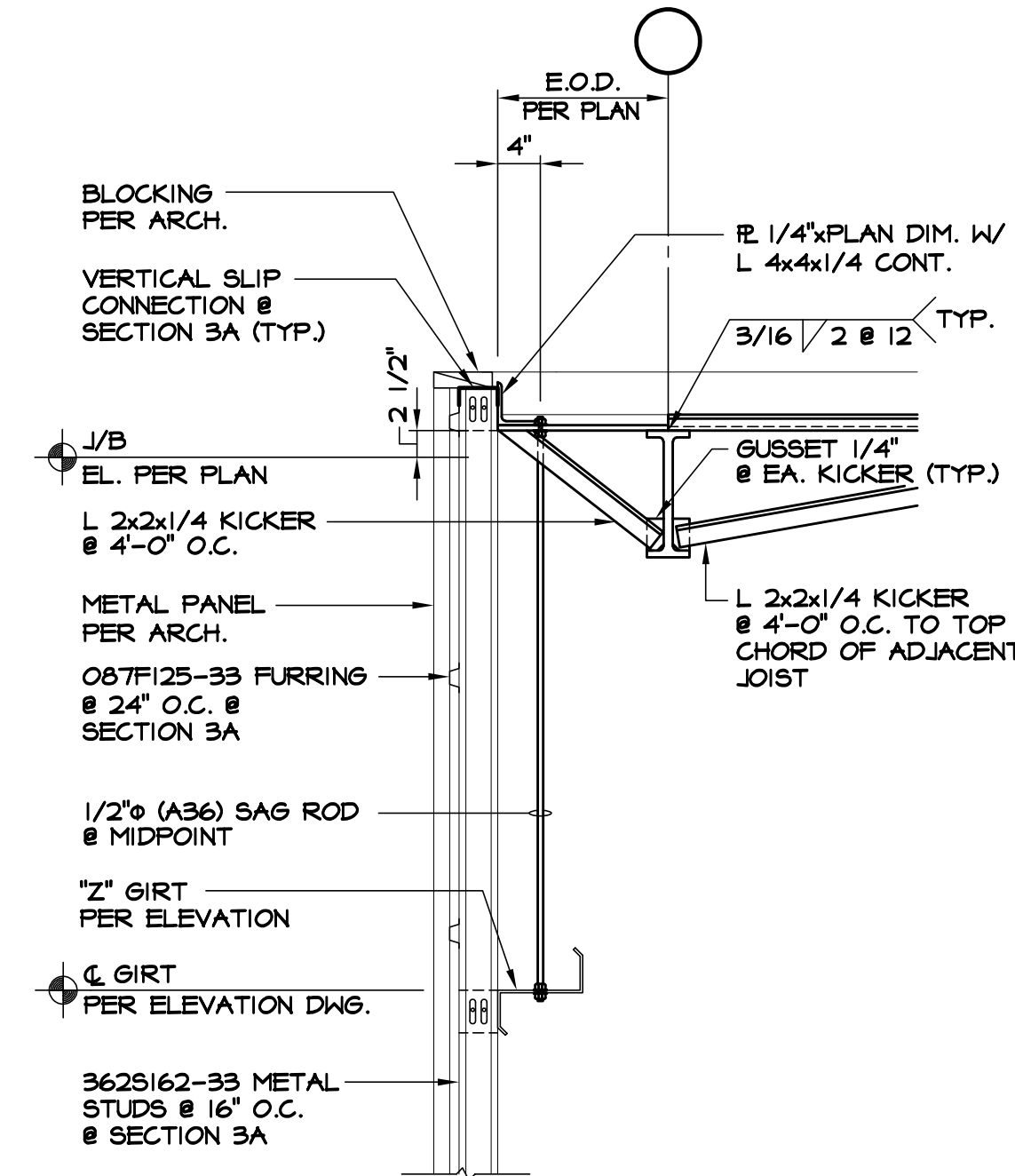
ELEVATIONS



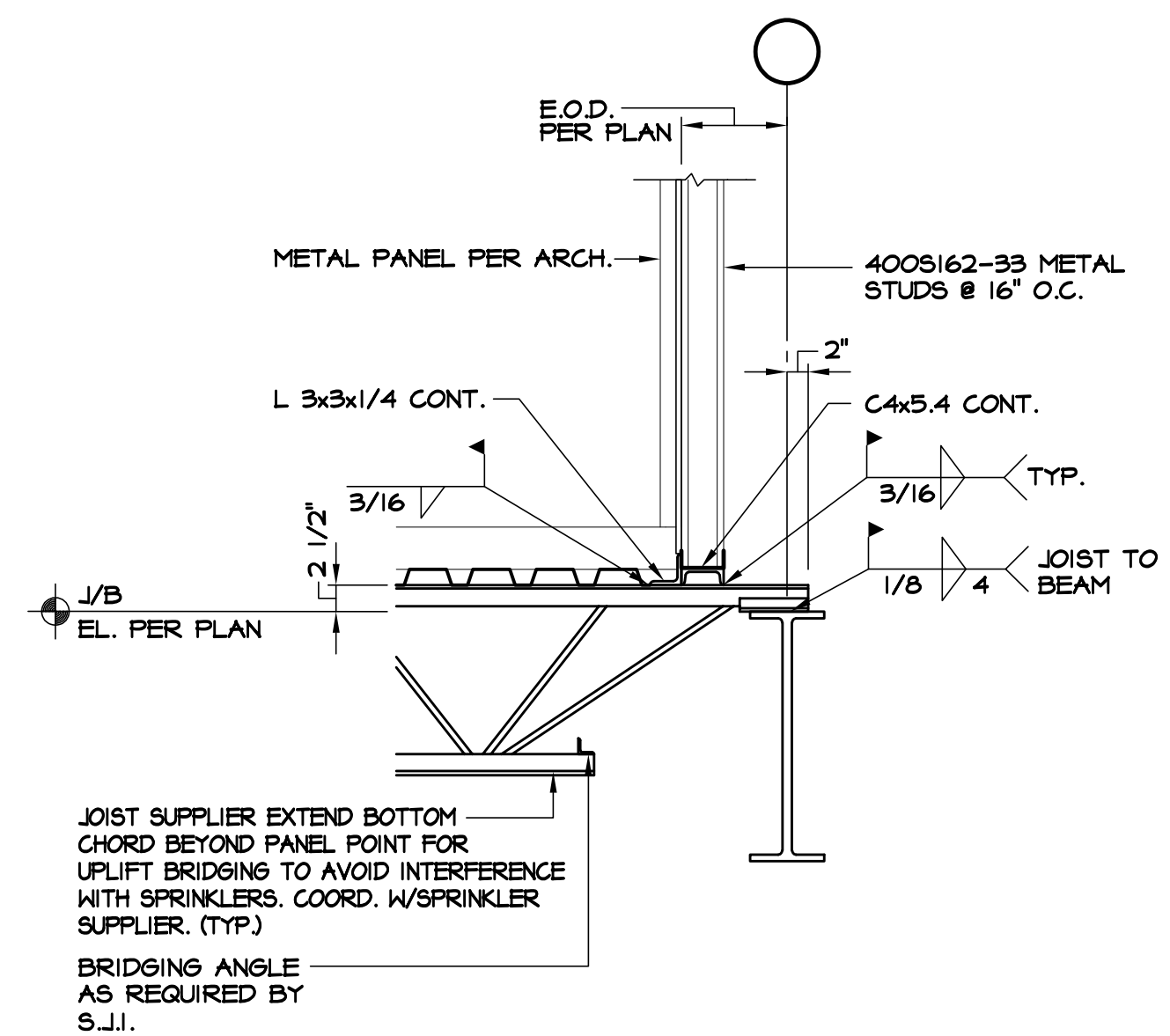
1 SECTION
S2.1 SCALE: 3/4" = 1'-0"



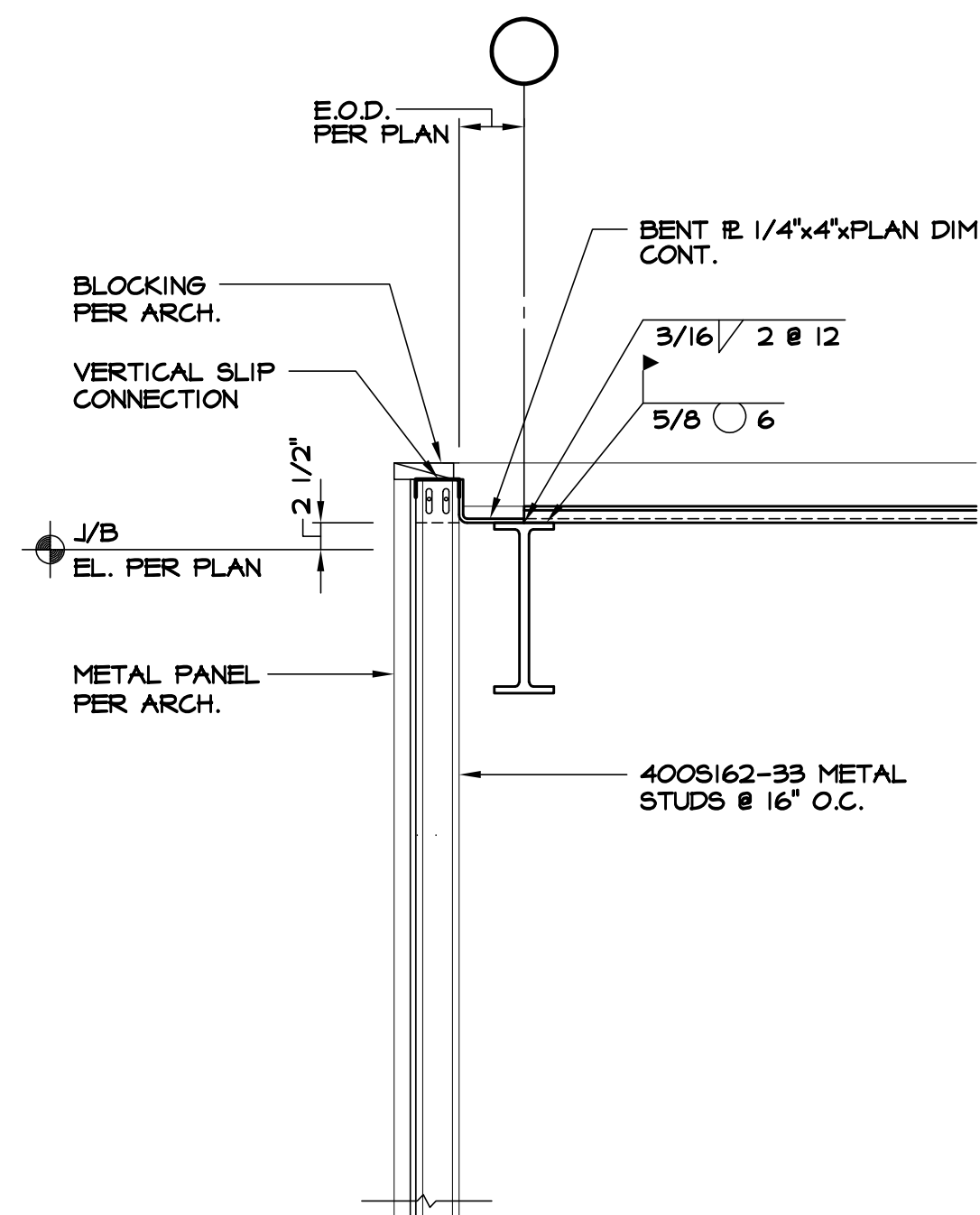
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S2.1 SCALE: 3/4" = 1'-0"



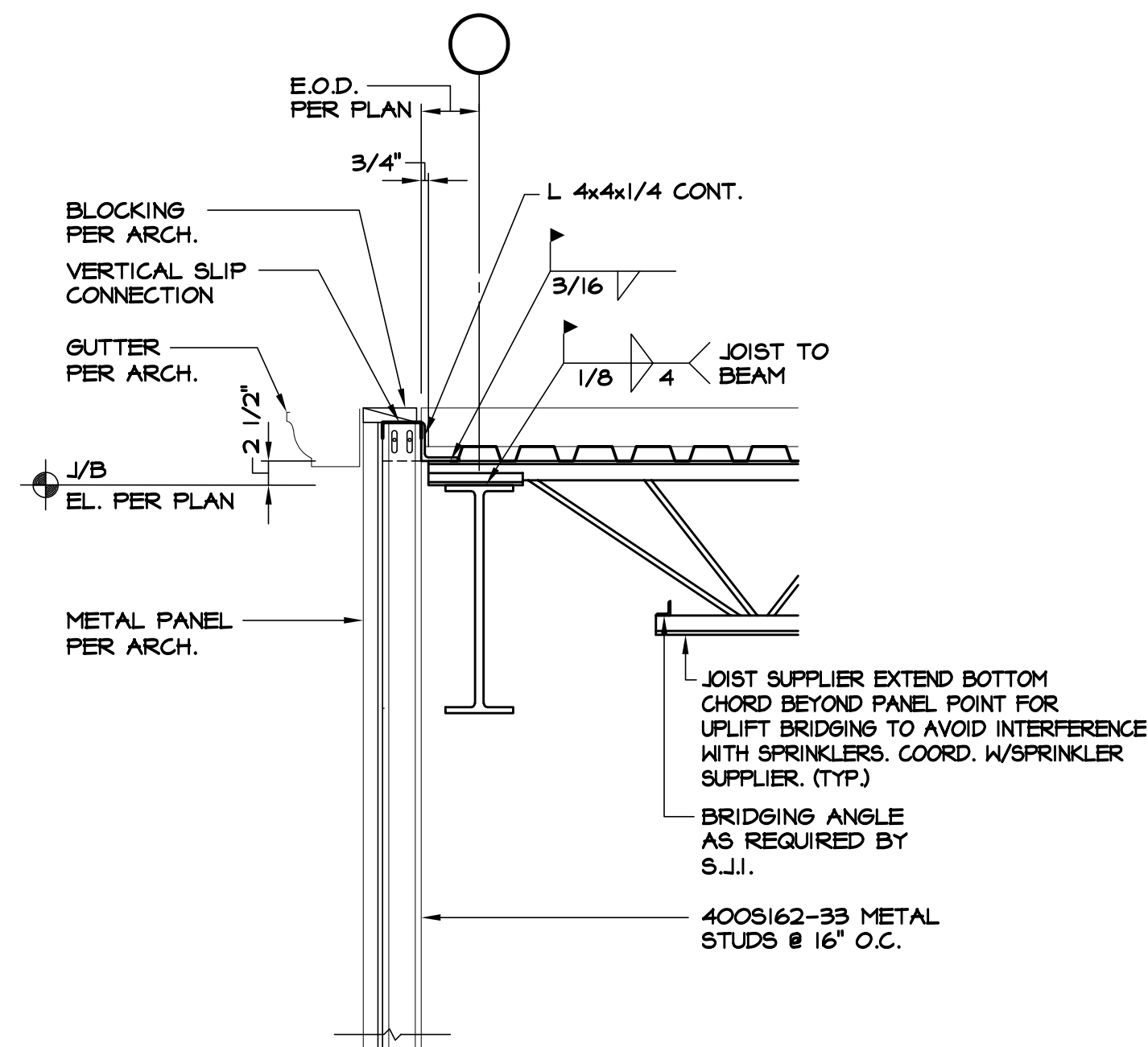
3, 3A SECTION
S2.1 SCALE: 3/4" = 1'-0"



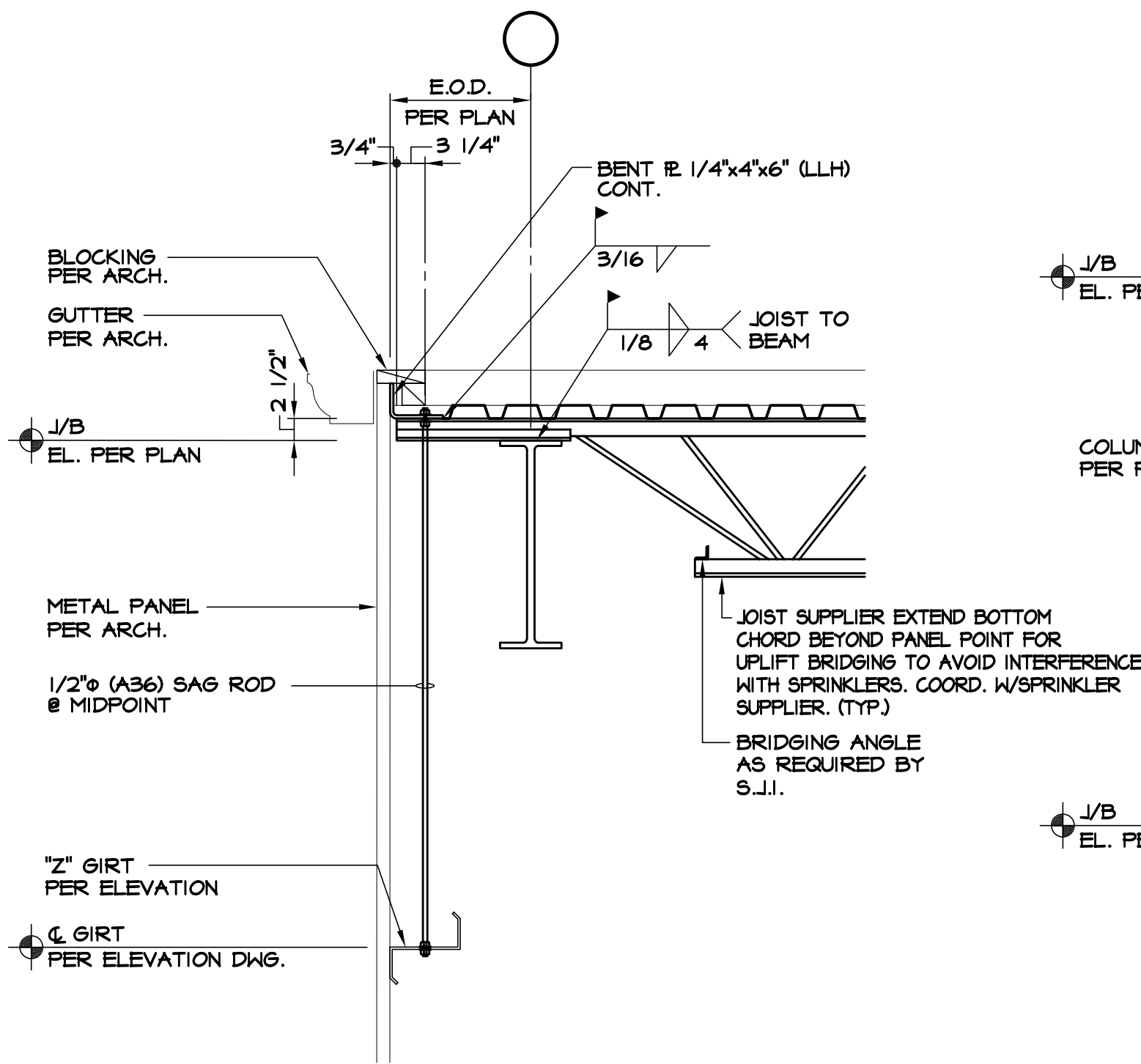
4 SECTION
S2.1 SCALE: 3/4" = 1'-0"



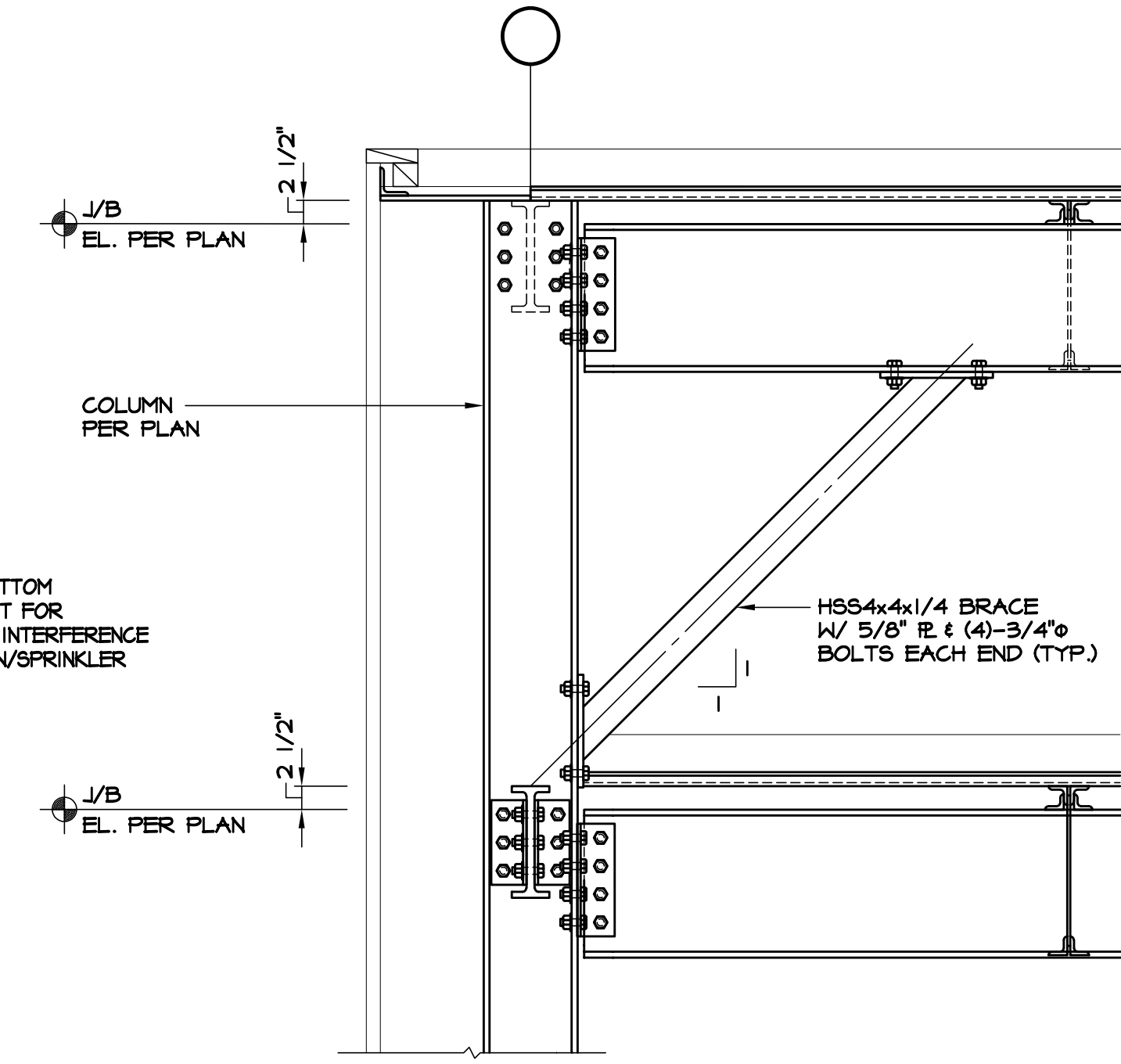
5 SECTION
S2.1 SCALE: 3/4" = 1'-0"



6 SECTION
S2.1 SCALE: 3/4" = 1'-0"



7 SECTION
S2.1 SCALE: 3/4" = 1'-0"



8 SECTION
S2.1 SCALE: 3/4" = 1'-0"

WOLFERT ENGINEERING, LTD.
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LEBANON, OHIO 45036
513-228-1680 PH

CERTIFIED BY:
STATE OF OHIO
Professional Engineer
J. R. Wolfert
E-55538

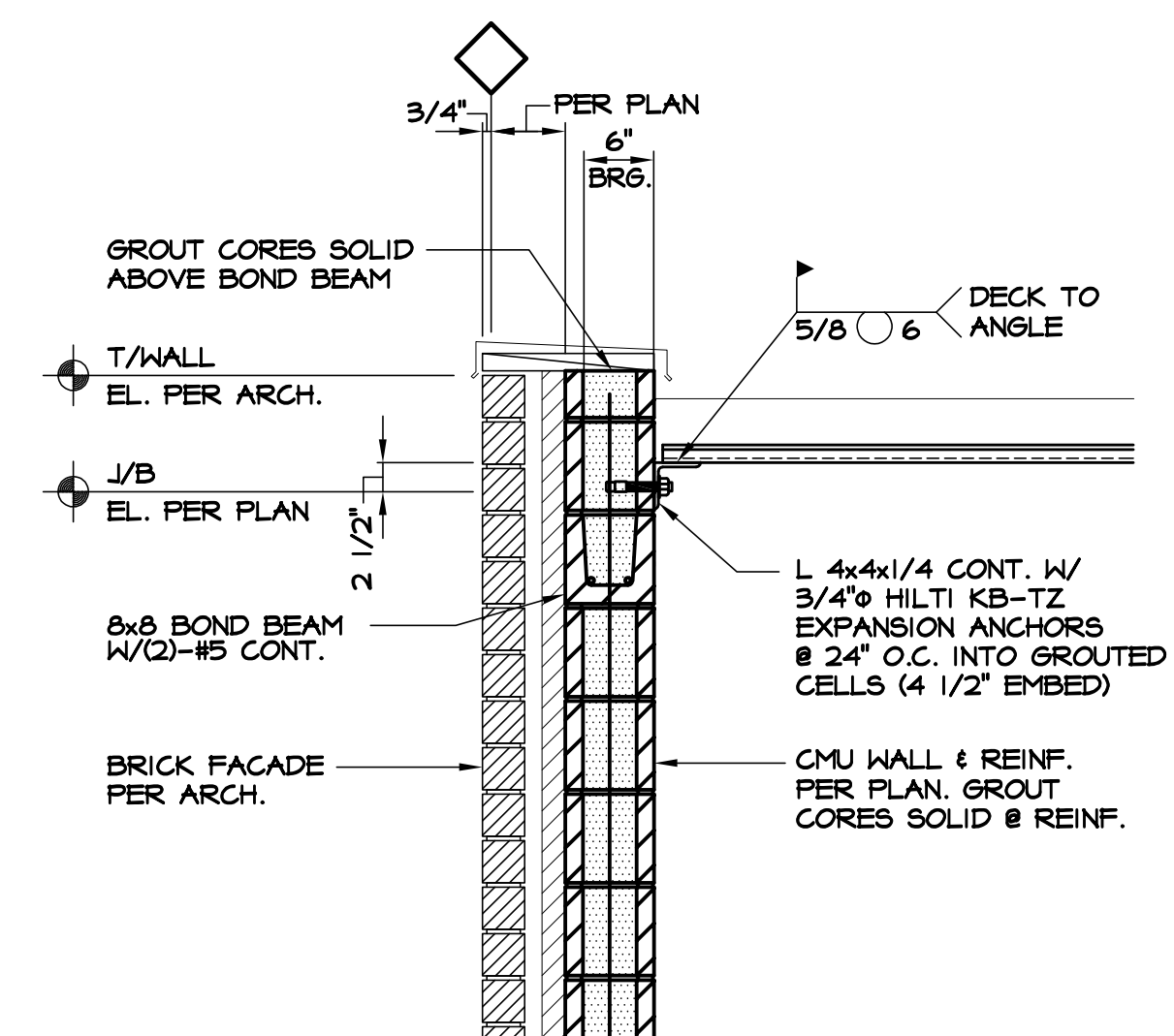
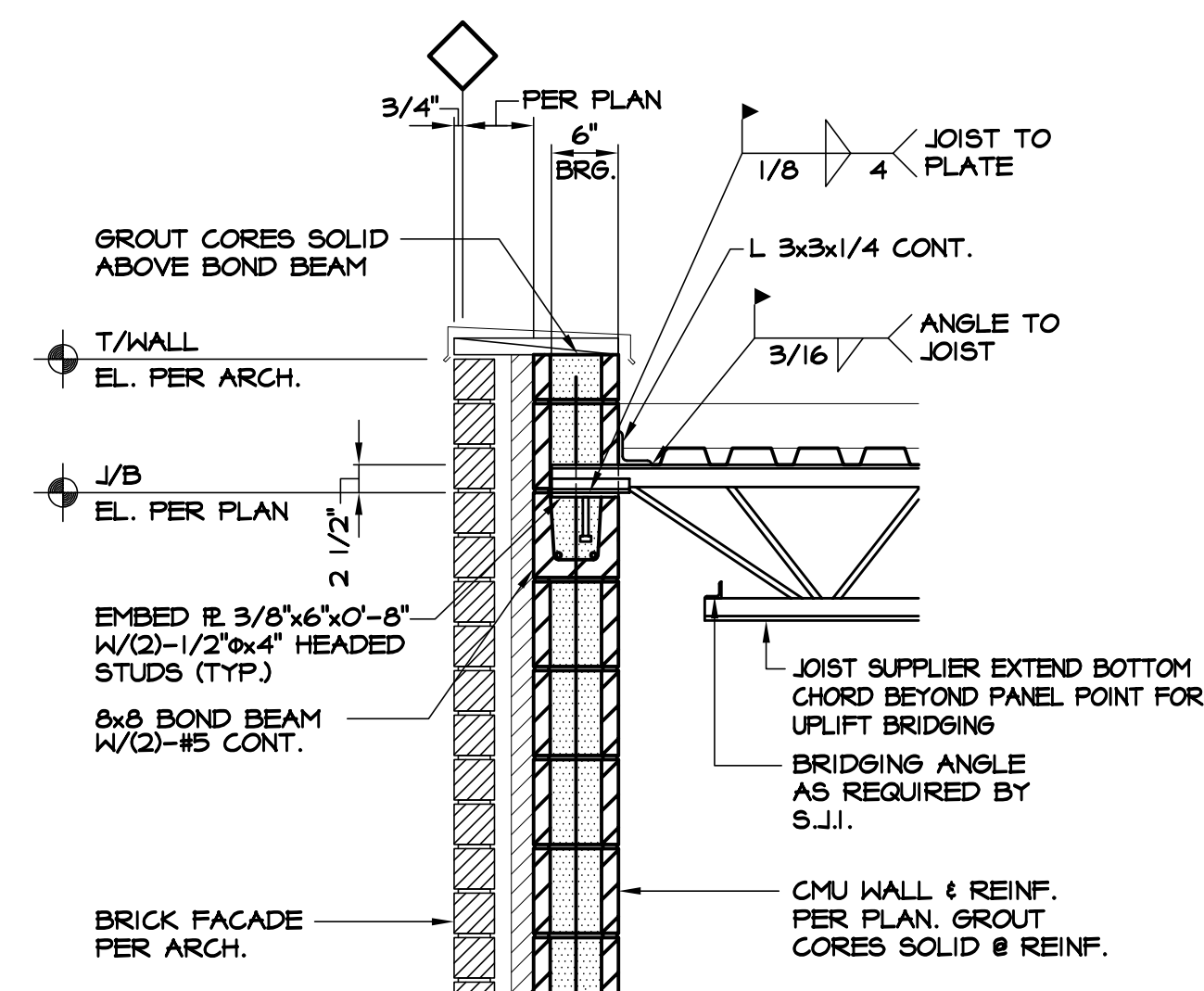
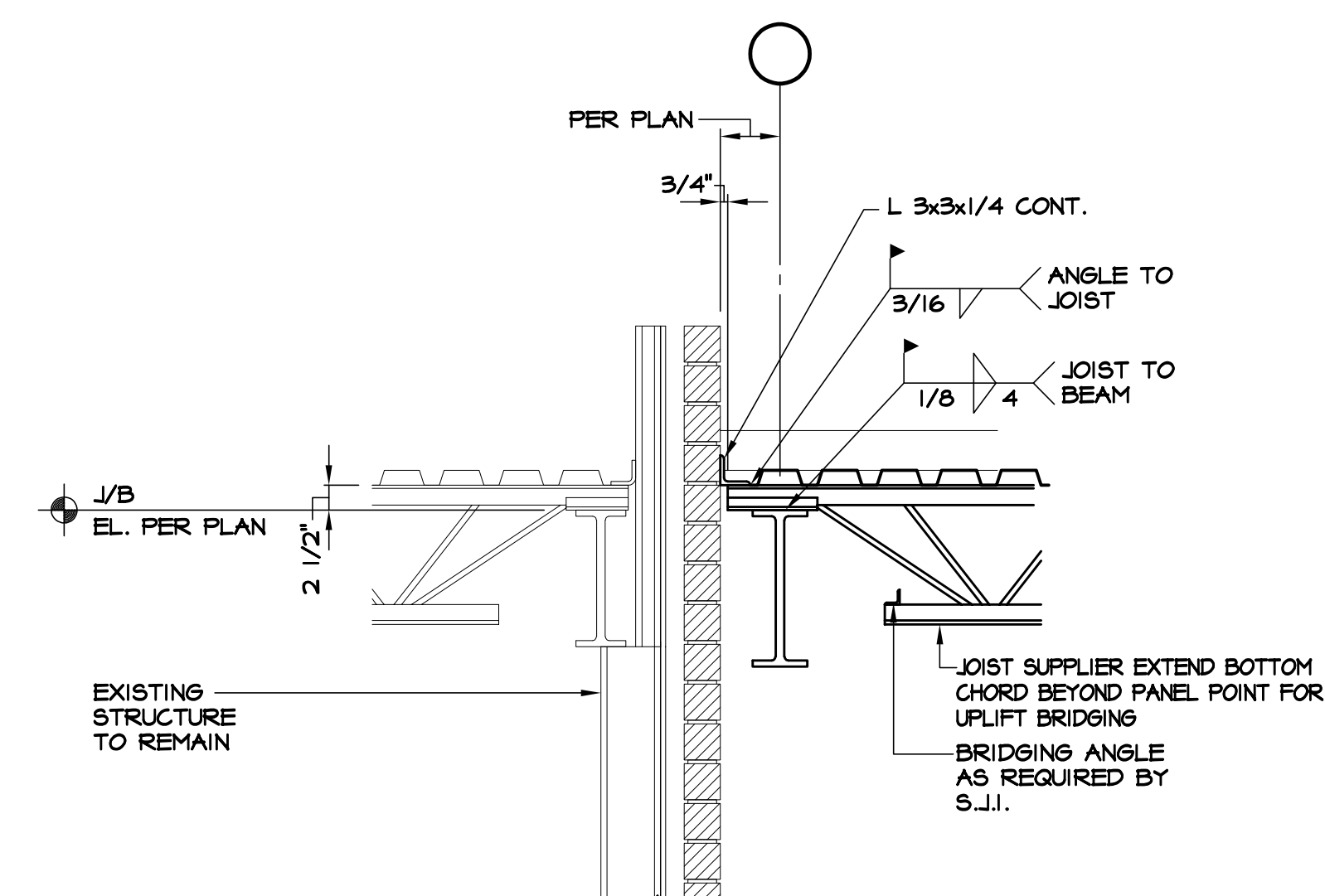
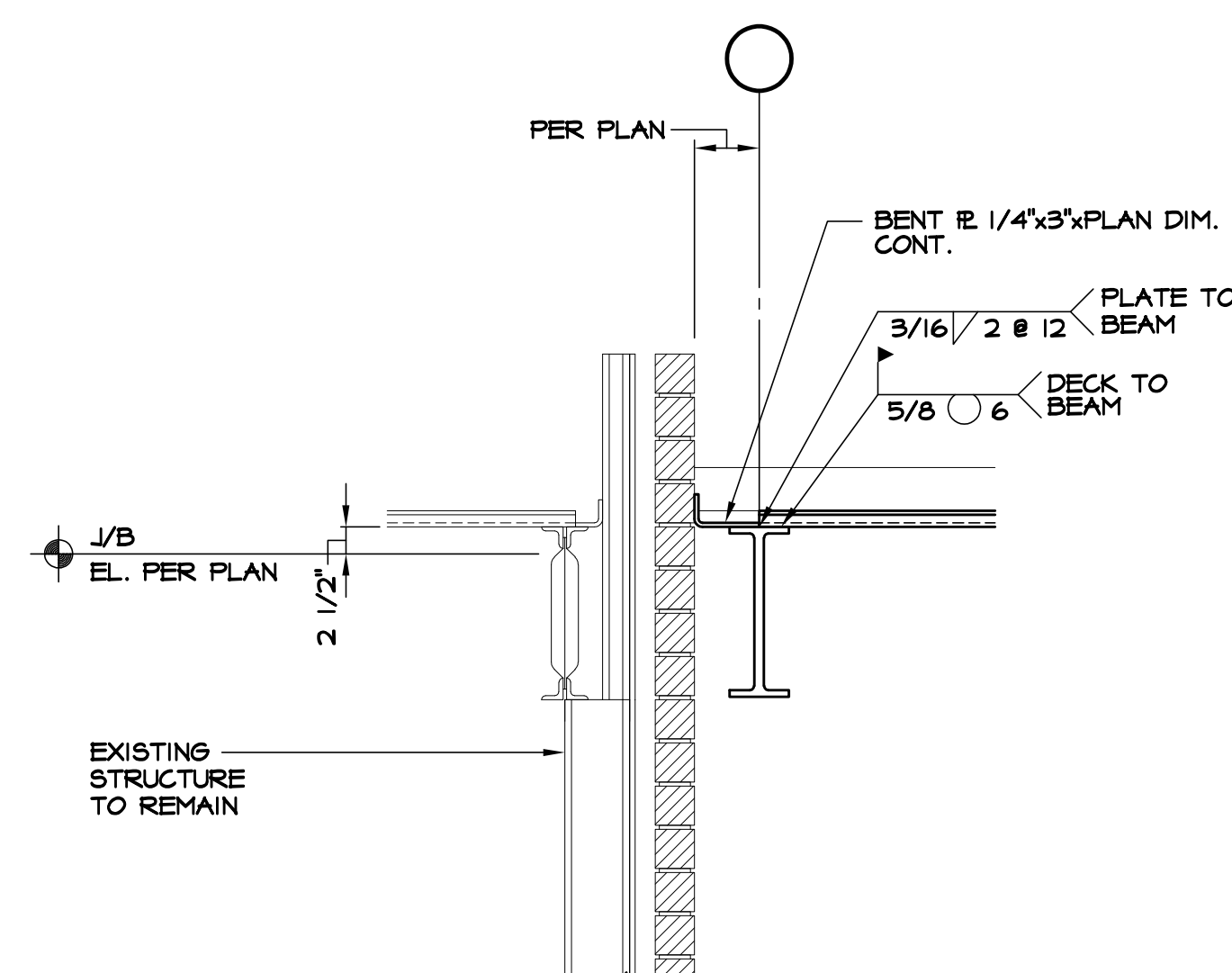
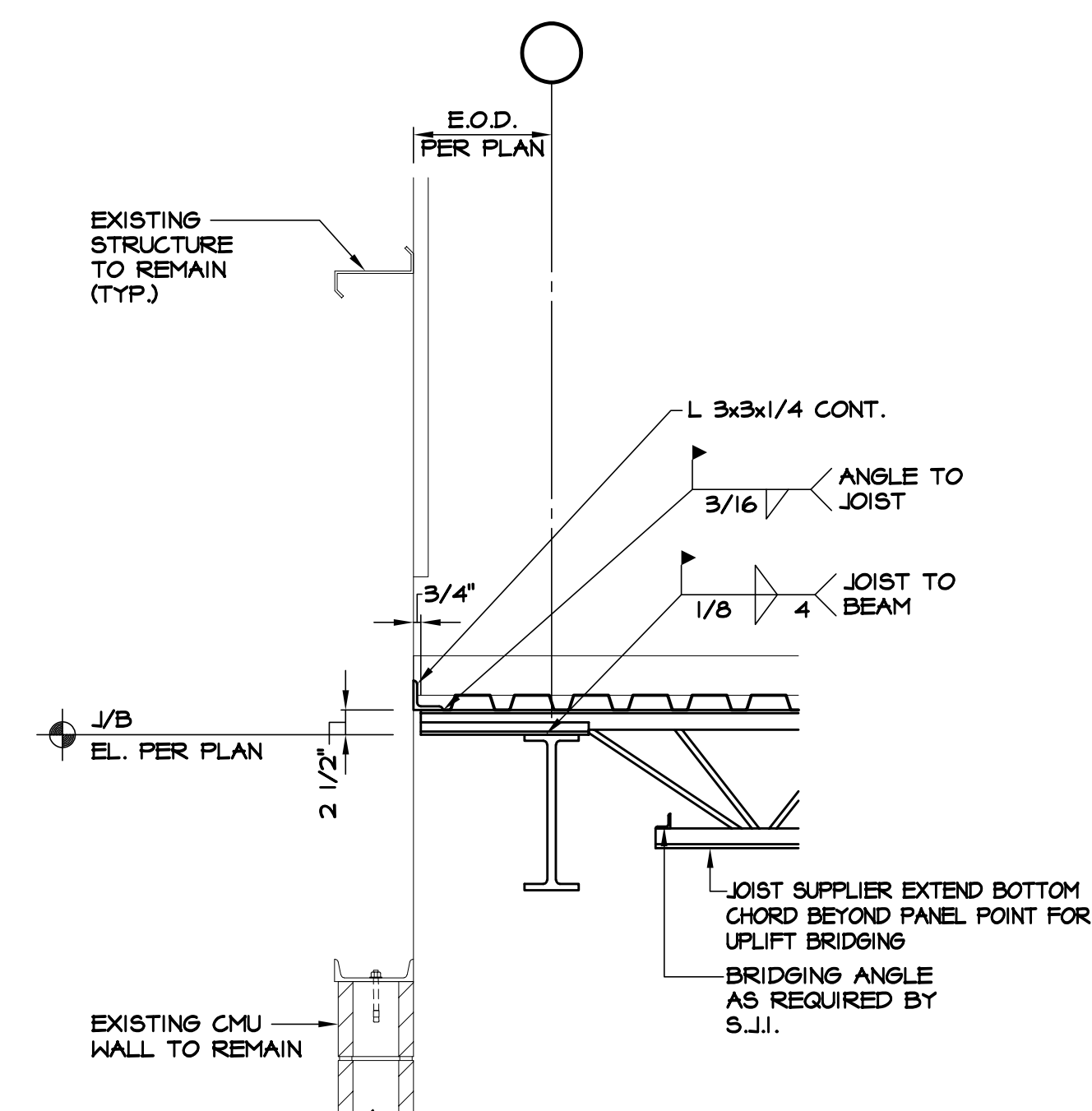
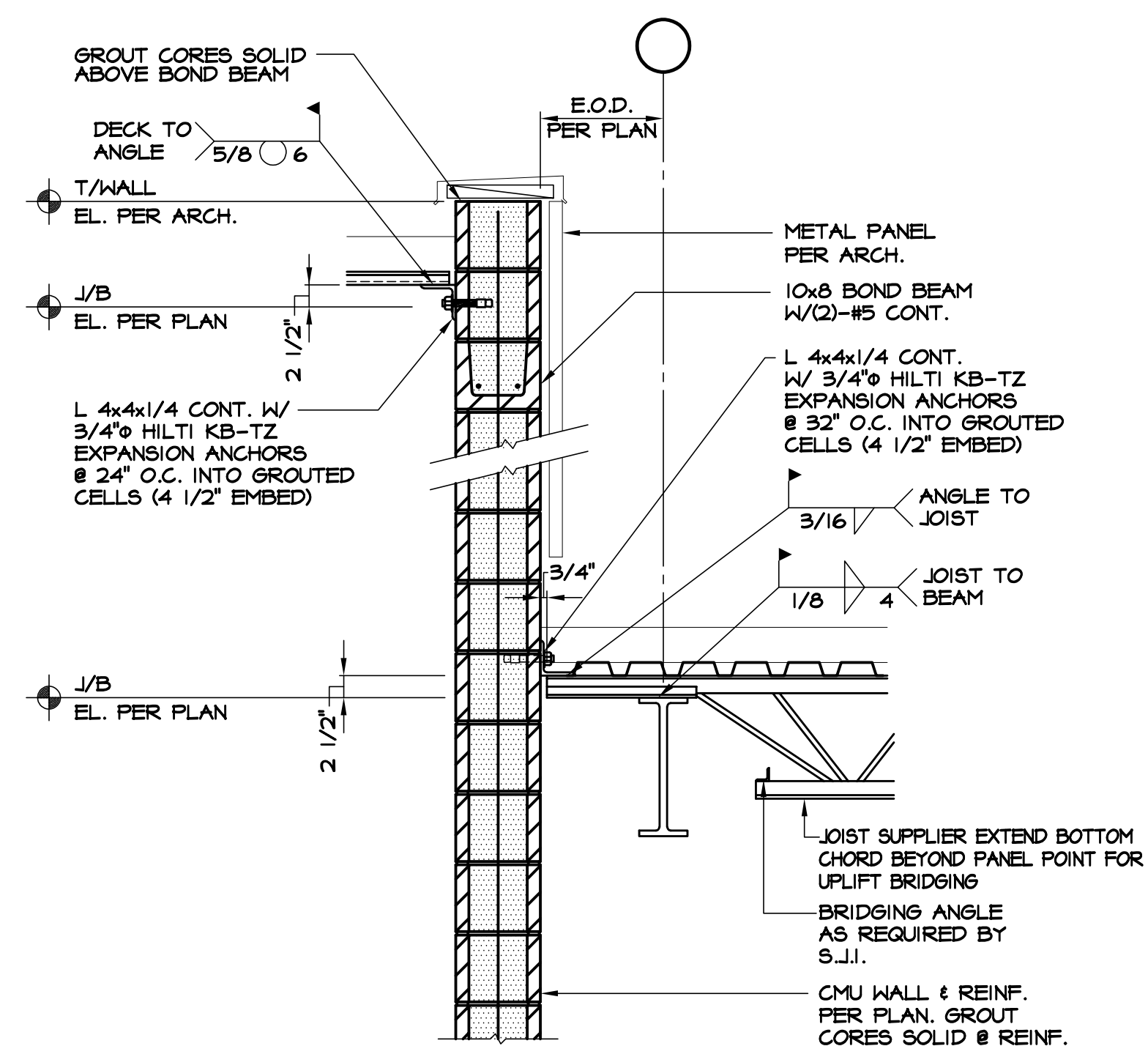
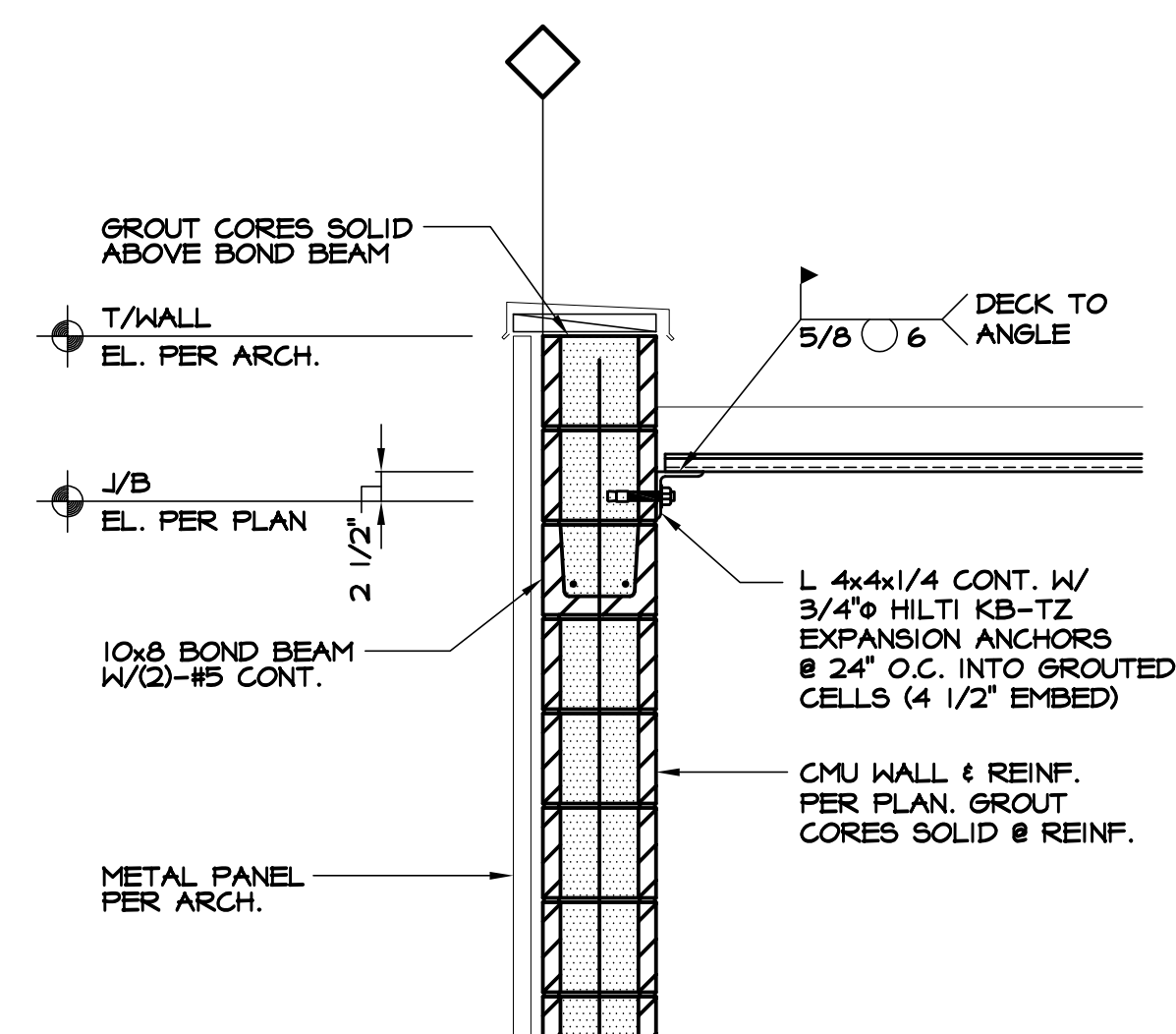
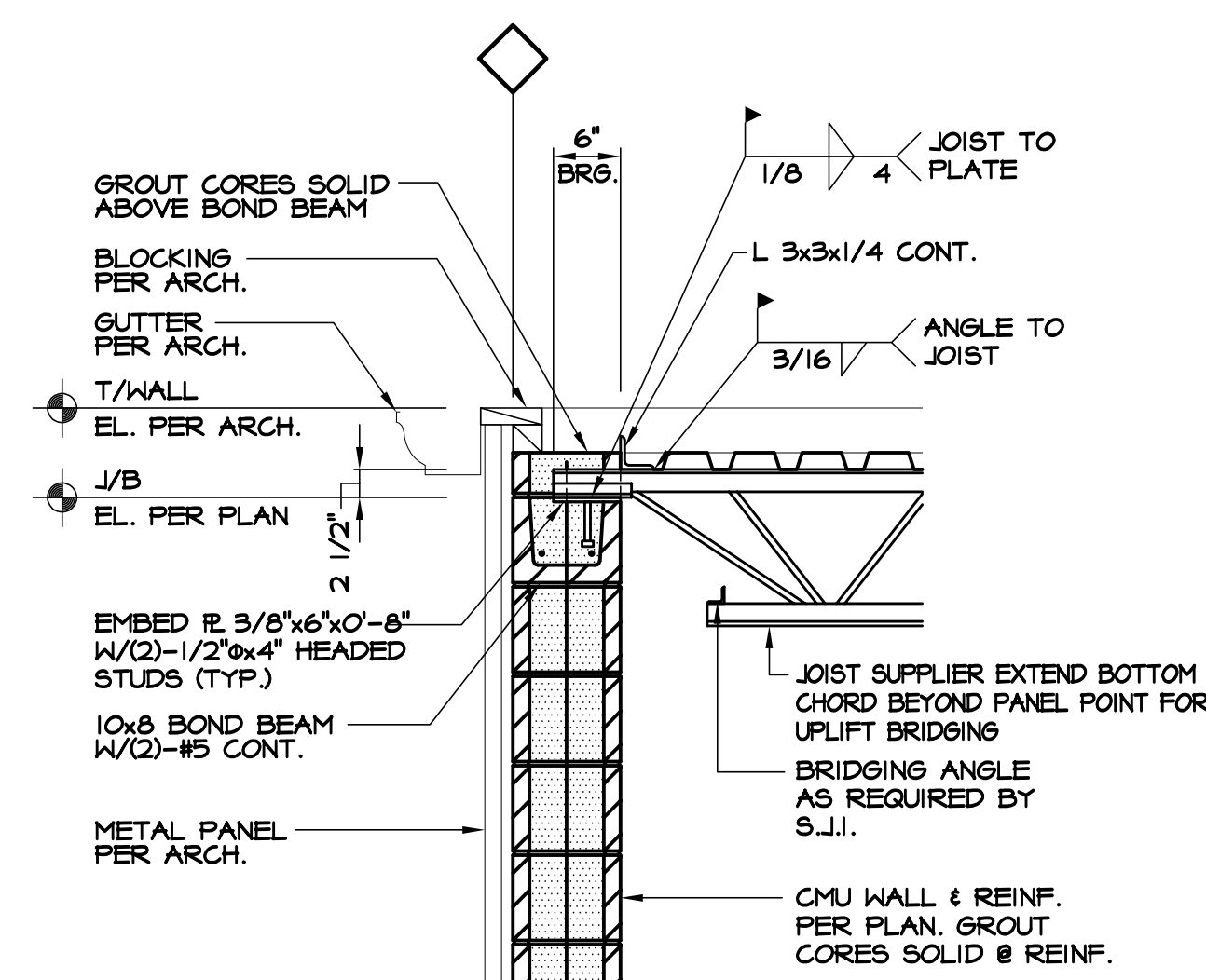
msp
McGill Smith Punshon, Inc.
3700 Park 42 Drive Suite 1908
Cincinnati, Ohio 45241-2097

RENOVATIONS AND ADDITIONS
FOR
REPUBLIC WIRE
5525 UNION CENTRE DRIVE
WEST CHESTER, OHIO 45069


**STRUCTURAL
DETAILS**

DATE: MAY 24, 2017
JOB NUMBER: 17-010
SCALE: AS NOTED
CREATED BY: J.T.D.
CHECKED BY: J.R.W.
ISSUED FOR:
PERMIT/BID: 05-24-17

SHEET NO.
S2.1



CERTIFIED BY:



McGill Smith Punshon, Inc.
3700 Park 42 Drive Suite 190B
Cincinnati, Ohio 45241 2007

RENOVATIONS AND ADDITIONS
FOR
REPUBLIC WIRE
5525 UNION CENTRE DRIVE
WEST CHESTER, OHIO 45069

STRUCTURAL DETAILS

DATE: MAY 24, 201	
JOB NUMBER: 17-01	
SCALE: AS NOTED	
CREATED BY: J.T.D	
CHECKED BY: J.R.V	
ISSUED FOR:	
PERMIT/BID	05-24-1

SHEET NO.

S2.2

GENERAL STRUCTURAL NOTES

MISCELLANEOUS:

The structure and its several parts have been designed for the in-service loads only. The methods, means, procedures, and sequences of construction shall be responsibility of the Contractor. The Contractor shall take all necessary precautions to insure safe working conditions and maintain the integrity of the structure during all stages of construction. The adequacy of the design of temporary bracing, shoring, etc. is the Contractor's responsibility.

STRUCTURAL STEEL:

Structural steel detailing, fabrication, and erection shall conform to the AISC "Allowable Stress Design Specification for Structural Steel Buildings", latest edition with amendments, and the AISC "Code of Standard Practice for Steel Buildings", latest edition with amendments.

Erector shall maintain adequate temporary bracing in each direction until diaphragm and lateral brace construction is completed.

Structural steel rolled shapes, except plates, angles and channels shall conform to ASTM A 992, Grade 50 (Fy = 50 ksi), unless otherwise noted. Plates, angles and channels shall conform to ASTM A36.

Structural tube steel shall conform to ASTM A 500, Grade B (Fy=46 ksi)
Anchor bolts shall conform to ASTM A36, unless noted otherwise.

Expansion anchors shall be manufactured by Hilti and shall be the type, size and embedment indicated on drawings. Install per manufacturer's recommendations. Substitutes may be considered; Submit manufacturer's data prior to installation.

Structural steel shall be shop-painted with a gray rust-inhibiting primer. Steel which will be exposed to weather shall receive one additional finish coat. All abrasions caused by handling after shop painting shall be touched-up after erection is complete.

Unless otherwise noted, bolted connections for structural steel members shall be made with 3/4" diameter high strength bolts, conforming to ASTM A325. Except as noted, bolted connections shall be tightened to the snug tight condition. Bolted connections in wind brace elements shall be tightened using the turn-of-nut method. Connections shall conform to the Specification for Structural Joints Using ASTM A325 or A490 Bolts, approved by the Research Council on Structural Connections of the Engineering Foundation.

Welding procedures shall conform to the latest edition of the American Welding Society's (AWS) Structural Welding Codes for: Steel ANSI / AWS D1.1, Sheet Steel ANSI / AWS D1.3, and Reinforcing Steel ANSI / AWS D1.4.

Splicing of structural steel members where not detailed on the contract documents is prohibited without the prior approval of the Structural Engineer as to location, type of splice and connection to be made.

Surfaces within 2-inches of any field weld shall be free of materials that would prevent proper welding or produce toxic fumes while welding is being done.

The Structural Steel Contractor shall prepare detailed working or shop drawings to enable him to fabricate, erect and construct all parts of the work in accordance with the drawings and specifications, and shall submit one reproducible copy and one blue line copy to the Structural Engineer for approval. These shop drawings will be reviewed for design concepts expressed in the contract documents only. The Contractor shall be responsible for all dimensions, accuracy, and fit of work.

STRUCTURAL STEEL CONNECTION:

The contractor shall employ or retain a licensed structural engineer in the state in which this project is located to design and detail structural steel connections.

Connection material shall conform to the following minimum requirements or as needed for connection design.

Angles:	ASTM A36
WT's:	ASTM A992
Plates:	ASTM A36, min yield strength is 36 ksi
Bolts:	ASTM A325N
Nuts:	ASTM A563
Washers:	ASTM F436
Anchor Rods:	ASTM F1554, Grade 36 or 55
Headed Studs:	ASTM A108, Grade 1010 thru 1020 headed stud type, cold finished carbon steel, AWS D1.1, Type B, 3/4" diameter
Weld Electrodes:	E70xx

All steel details and connections shall be in accordance with the requirements of "Specification for Structural Steel Buildings"

All connections, unless indicated as being fully designed on the structural drawings, shall be designed and detailed by a licensed structural engineer in the state in which the project is located. The design shall comply with all the applicable codes and specification sections.

Unless otherwise noted, details indicated on the drawings indicate general criteria for design and detailing of connections. Details indicated on the drawing are not intended to convey complete connector sizes, weld sizes, number of bolts or any other specific information that is obtained through designing the individual connection for a given set of loads. These details do not show erection aids. Provide erection aids as required and remove them after work is complete.

Submit connections not specifically detailed on the drawings to the SER for review prior to the review of shop drawings. For bidding purposes, where no moment is indicated on drawings, provide full moment capacity of member and where no vertical shear is indicated on drawings, provide full shear capacity.

Alternate connections to those shown on drawings will only be considered acceptable if contractor formally submits alternates and SER approves the submittal.

For connection design and detailing, set connection work point at intersection of member centerlines. Design all connections for forces indicated on the plans.

All welding shall conform to the requirements of the structural welding code, ANSI/AWS D1.1 latest edition. All weld sizes shall be the larger of the size required by connection force, the minimum size per ANSI/AWS D1.1 or 3/16" minimum fillet weld. Any weld sizes shown on the design drawings are considered effective weld sizes and shall be increased in accordance with AWS as required by gaps or skews between components.

STEEL DECK:

Metal deck shall be installed in accordance with the latest edition of the Steel Deck's Institute's Specifications and Code of Standard Practice.

Deck manufacturer shall provide all roof deck accessories, including closures, supplementary framing, and sump pans.

Steel roof deck and accessories shall be shop-painted with a rust-inhibiting primer.

Roof deck shall be attached to the structural steel in accordance with the details shown in the plans. Welding shall be performed in accordance with the latest edition of the American Welding Society's Structural Welding Code – Sheet Steel ANSI / AWS D1.3.

STEEL JOISTS:

Steel bar joists shall be designed, fabricated, erected and braced in accordance with the latest Steel Joist Institute (SJI) specifications.

All bar joists shall be shop painted with a gray, rust-inhibiting primer.

Steel joists shall be fabricated in accordance with the design specification shown for each joist on the drawings. The design specifications follow the form:

DD K TL / LL

where DD indicates the maximum joist depth, K indicates the joist series, TL / LL indicates the design total load and live load respectively in pounds per lineal foot. Deflection due to live load shall be limited to 1/240 of the joist span.

Where bearing depth, length and end anchorages for steel joists are not shown or noted, provide anchorages as required by the SJI specifications.

Horizontal bridging and diagonal bridging for steel joists shall be located and designed as required by the SJI specifications. Bridging members shall be connected to the joist chords by welding or other mechanical means. The ends of bridging lines terminating at concrete block walls or steel beams shall be securely anchored thereto at top and bottom chords.

Hangers and other supports for mechanical, electrical, or plumbing systems shall be located at the intersection of the chord and web members. Concentrated loads in excess of 200 pounds must be reviewed by the Structural Engineer.

Where columns are not framed in at least two directions with steel beams, the joist at or nearest each column line shall be bolted to supporting members during erection.

STEEL JOIST GIRDERS:

Steel joist girders shall be designed, fabricated, erected and braced in accordance with the latest Steel Joist Institute (SJI) specifications. Joist girders that are part of a moment resistive rigid frame shall be designed for the indicated end moments.

All joist girders shall be shop-painted with a gray, rust-inhibiting primer.

Joist girders shall be fabricated in accordance with the design specification shown for each joist girder on the drawings. The design specifications follow the form:

DD G XN TLK

where DD indicates the maximum joist girder depth, G indicates joist girder type, X indicates the number of joist spaces (equal or unequal) occurring in the joist girder span, and TL indicates the total panel point design load (excluding joist girder self weight) in kips. Where "VG" replaces "G", joist must bear only at vertical joist girder web members. Deflection due to live load shall be limited to 1/240 of the joist girder span.

Stabilizer plates shall be provided on the columns between the joist girder bottom chord angles as required by SJI specifications. DO NOT WELD BOTTOM CHORD ANGLES TO STABILIZER PLATES. UNLESS NOTED.

Where end anchorages for joist girders are not shown or noted, provide anchorages as required by the SJI specifications.

Joist girder bracing shall be as shown on the shop drawings and as required by the joist girder manufacturer.

DESIGN DATA:

The building structure has been designed in accordance with the 2011 Ohio Building Code.

Roof Loads

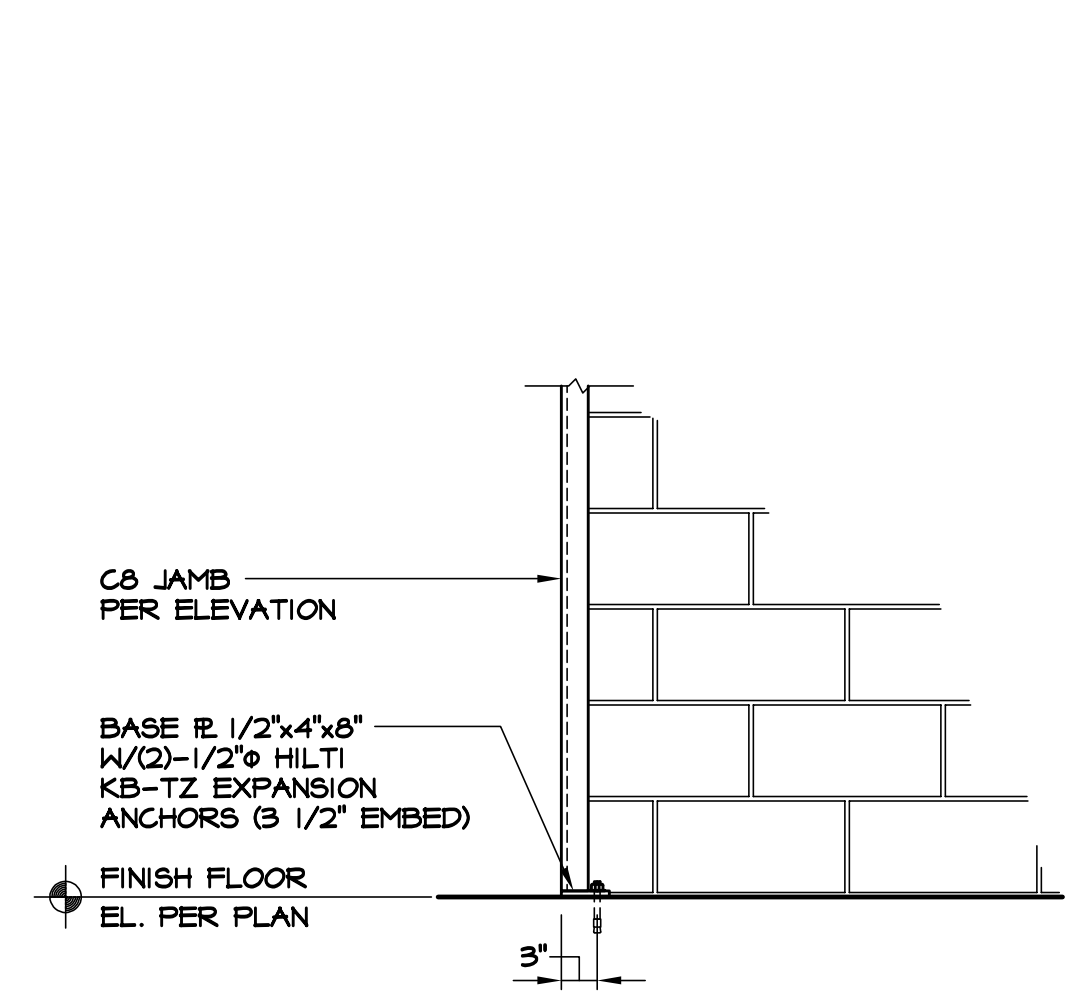
Live Load	20 psf
Snow Drift Load (low roof area)	72.8 psf
Snow Drift Load (office area)	97.6 psf
Dead Load	15 psf (Office)
Dead Load	13 psf (Warehouse)
(Ground Snow Load (Pg)= 20 psf, Ce= 1.0, Ct= 1.0, I= 1.0)	

Wind Design Data:

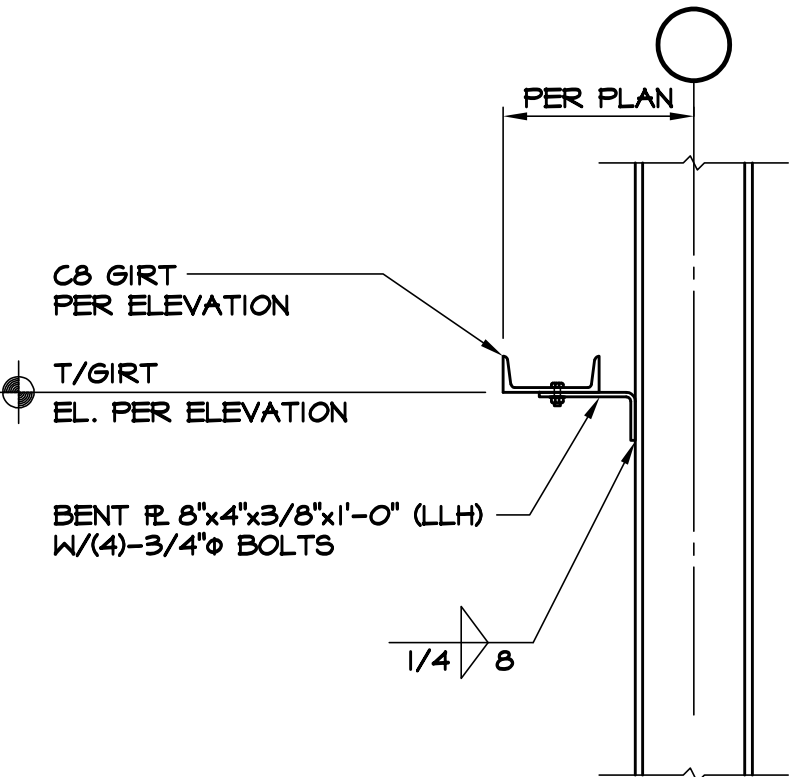
- Basic Wind Speed (3 second gust) – 90 mph
- Wind Load Importance Factor – 1.0
- Wind Exposure Category – B
- Horizontal MWFRS
 - Combined Windward + Leeward = 12.8 psf Transverse
 - Combined Windward + Leeward = 12.1 psf Longitudinal
- Internal Pressure Coefficient – ±0.18

Seismic Design Data:

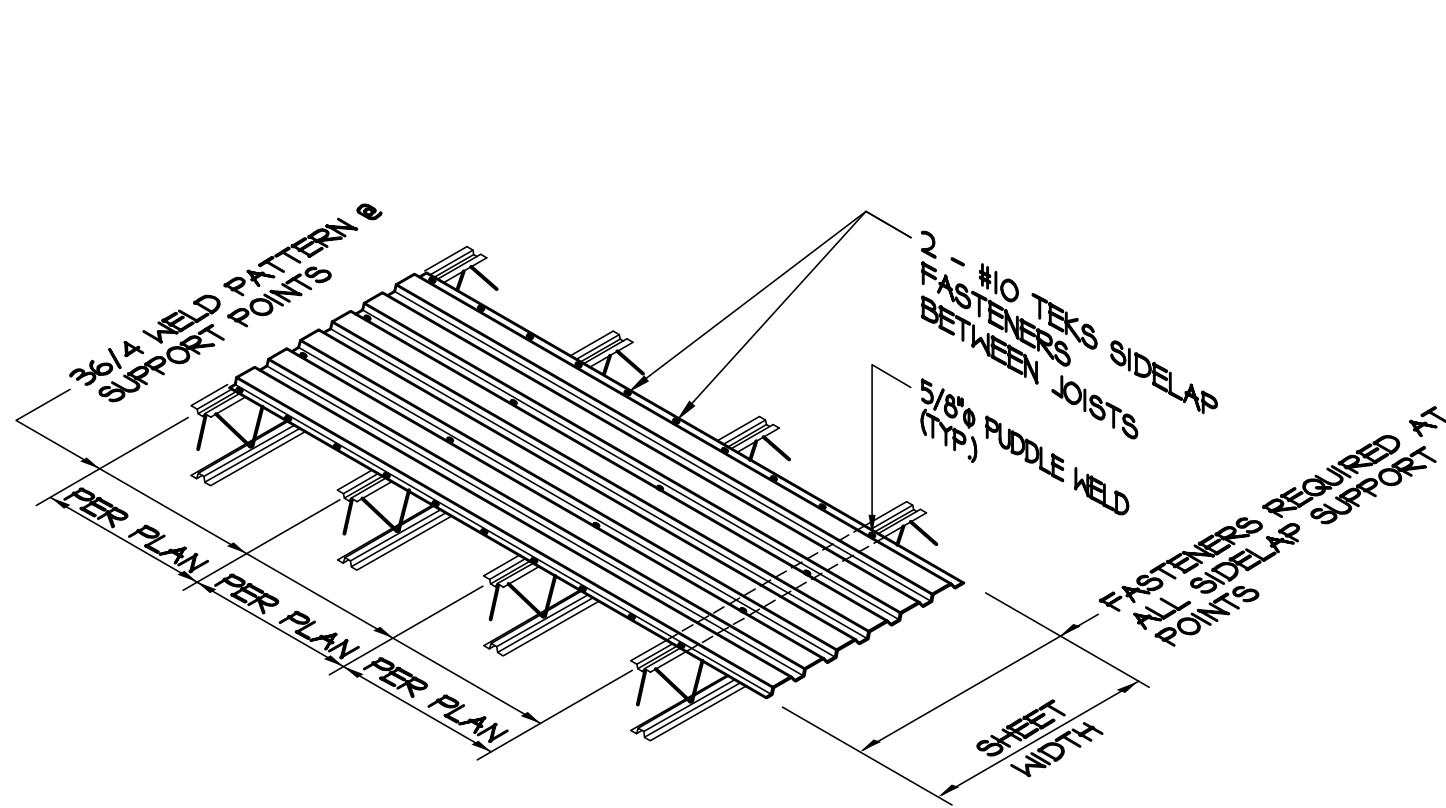
- Occupancy Category – II
- Seismic Importance Factor – 1.0
- Spectral Response Acceleration Parameters Sa & S1; 17.4%, 7.2%
- Spectral Response Acceleration Parameters Ssw & Sse; .139, .082
- Site Class – C
- Seismic Design Category – B
- Basic Seismic-Force-Resisting System = Steel System not specifically detailed for seismic resistance; (R= 3.0)
- Design Base Shear – .046W
- Analysis Procedure – Equivalent lateral force procedure



1 SECTION
S2.3 SCALE: 3/4" = 1'-0"



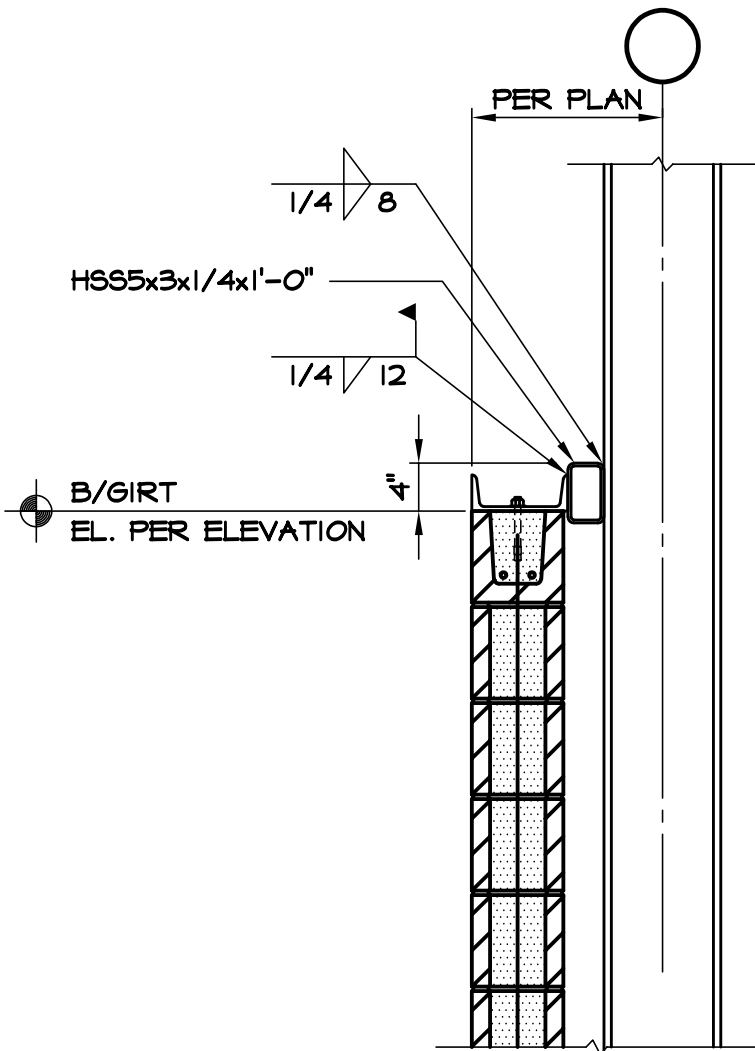
2 SECTION
S2.3 SCALE: 3/4" = 1'-0"



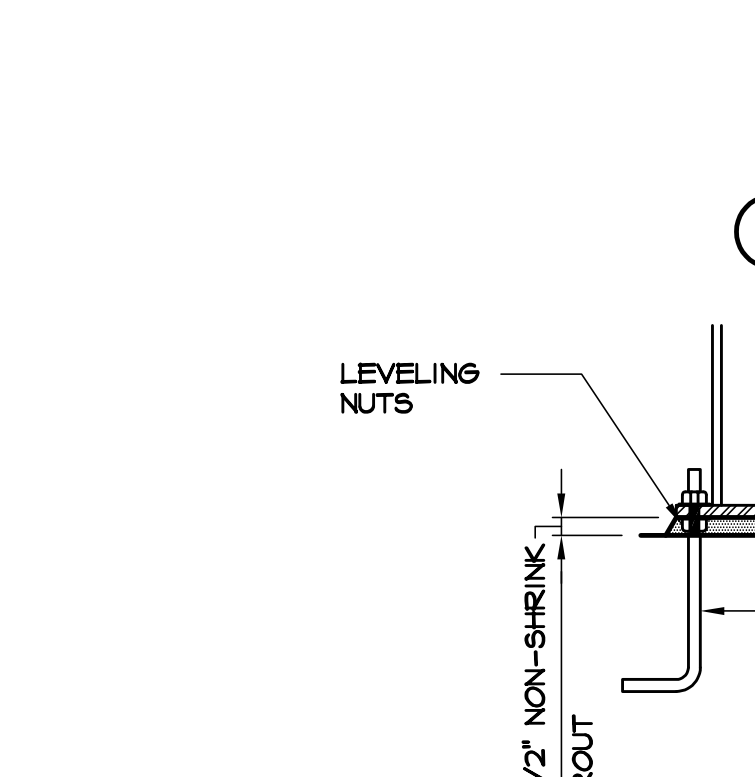
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S2.3 SCALE: 3/4" = 1'-0"

4 SECTION
S2.3 SCALE: 3/4" = 1'-0"

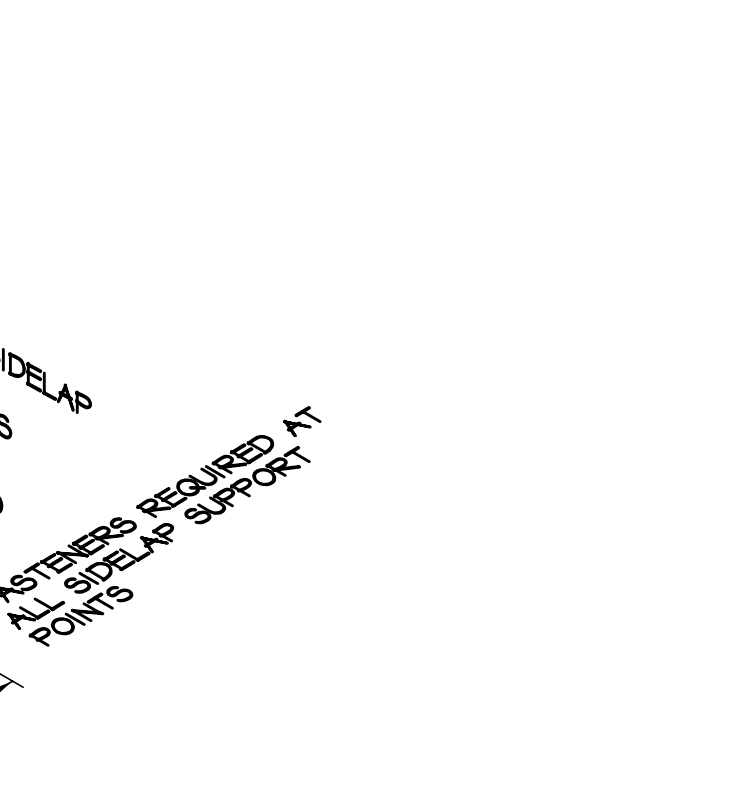
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S2.3 SCALE: 3/4" = 1'-0"



4 SECTION
S2.3 SCALE: 3/4" = 1'-0"



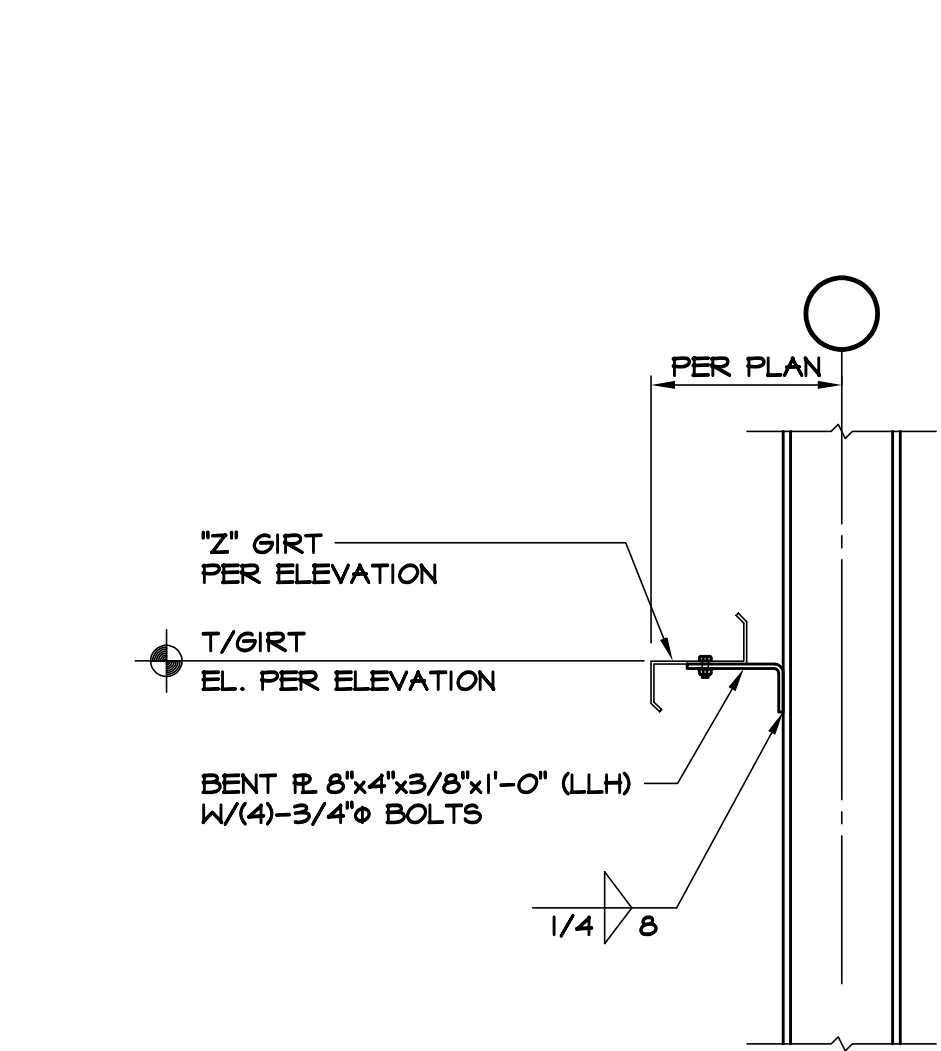
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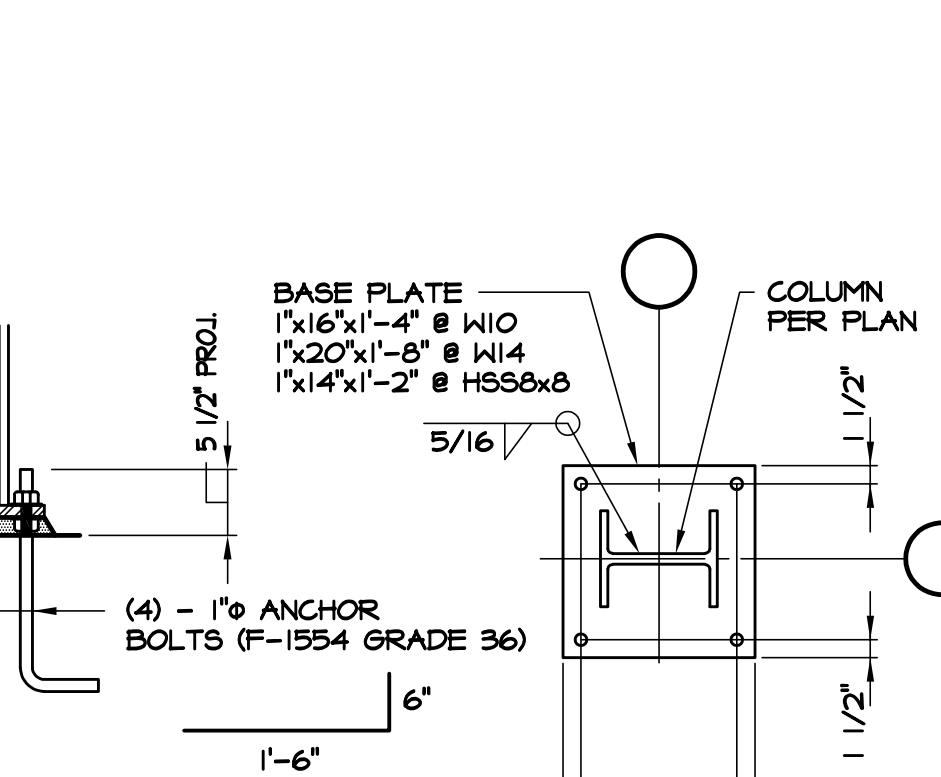
6 SECTION
S2.3 SCALE: 3/4" = 1'-0"

7 SECTION
S2.3 SCALE: 3/4" = 1'-0"

8 SECTION
S2.3 SCALE: 3/4" = 1'-0"



7 SECTION
S2.3 SCALE: 3/4" = 1'-0"



8 SECTION
S2.3 SCALE: 3/4" = 1'-0"



9 SECTION
S2.3 SCALE: 3/4" = 1'-0"

10 SECTION
S2.3 SCALE: 3/4" = 1'-0"

11 SECTION
S2.3 SCALE: 3/4" = 1'-0"

TYPICAL BUILDING
COLUMN DETAIL
SCALE: NONE

WOLFERT ENGINEERING, LTD.

1207 US ROUTE 42 S,
LEBANON, OHIO 45036
513-228-1680 PH

CERTIFIED BY:

STATE OF OHIO
Professional Engineer
Wolpert Engineering, Ltd.
E-59598

McGill Smith Punshon, Inc.
3700 Park 42 Drive Suite 190B
Cincinnati, Ohio 45241-2097

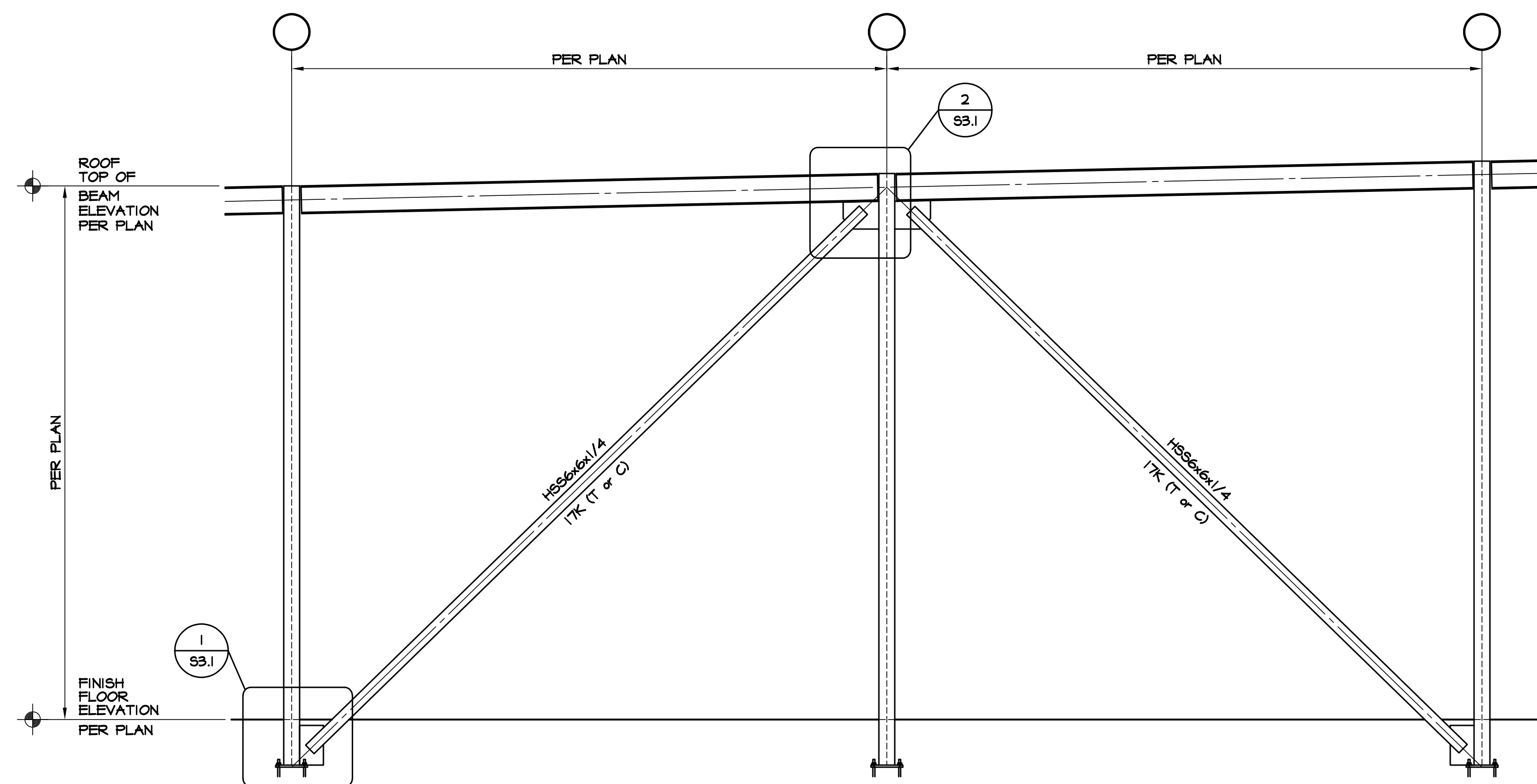
RENOVATIONS AND ADDITIONS
FOR
REPUBLIC WIRE

5525 UNION CENTRE DRIVE
WEST CHESTER, OHIO 45069

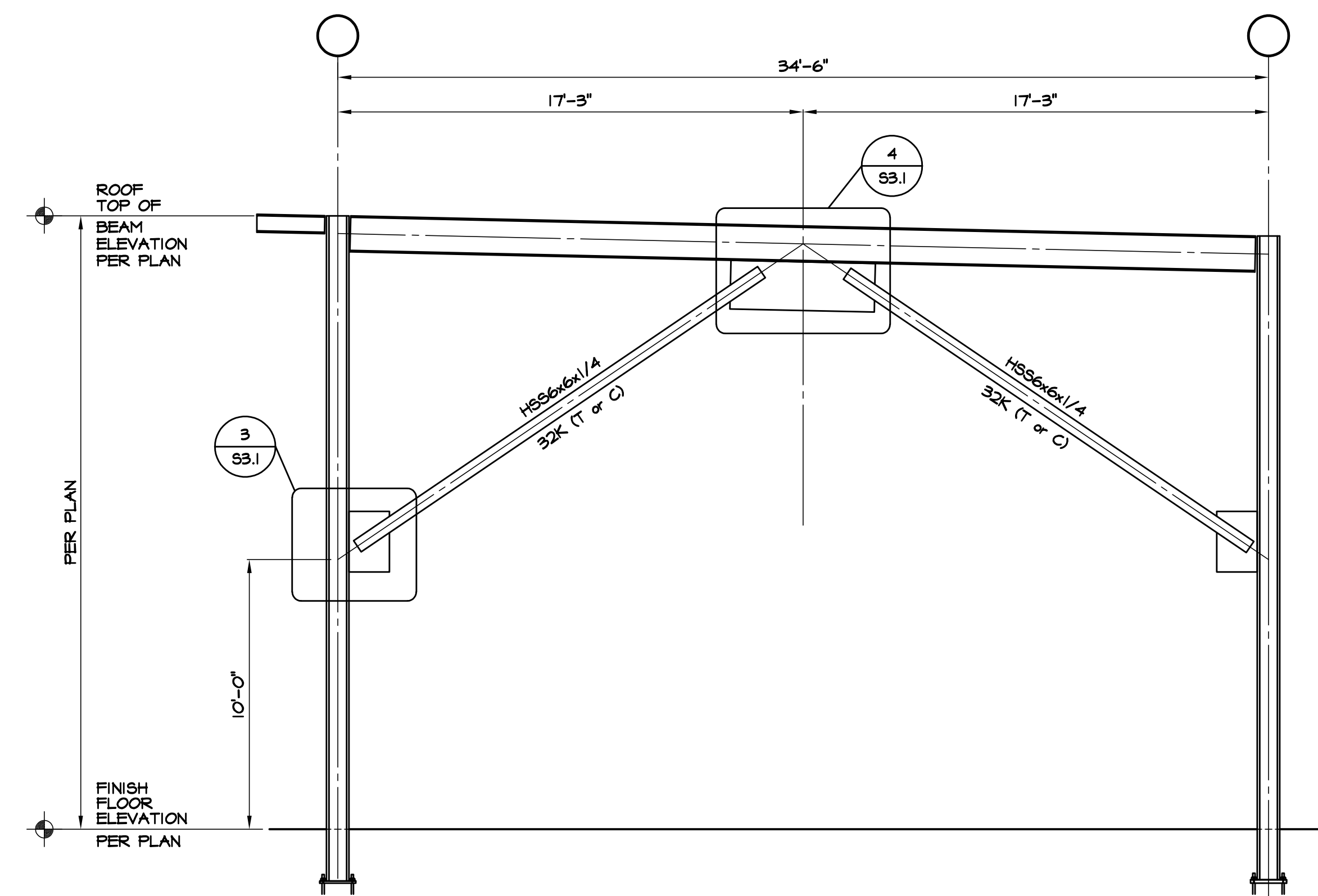
GENERAL
NOTES AND
STRUCTURAL
DETAILS

DATE: MAY 24, 2017
JOB NUMBER: 17-010
SCALE: AS NOTED
CREATED BY: J.T.D.
CHECKED BY: J.R.W.
ISSUED FOR:
PERMIT/BID: 05-24-17

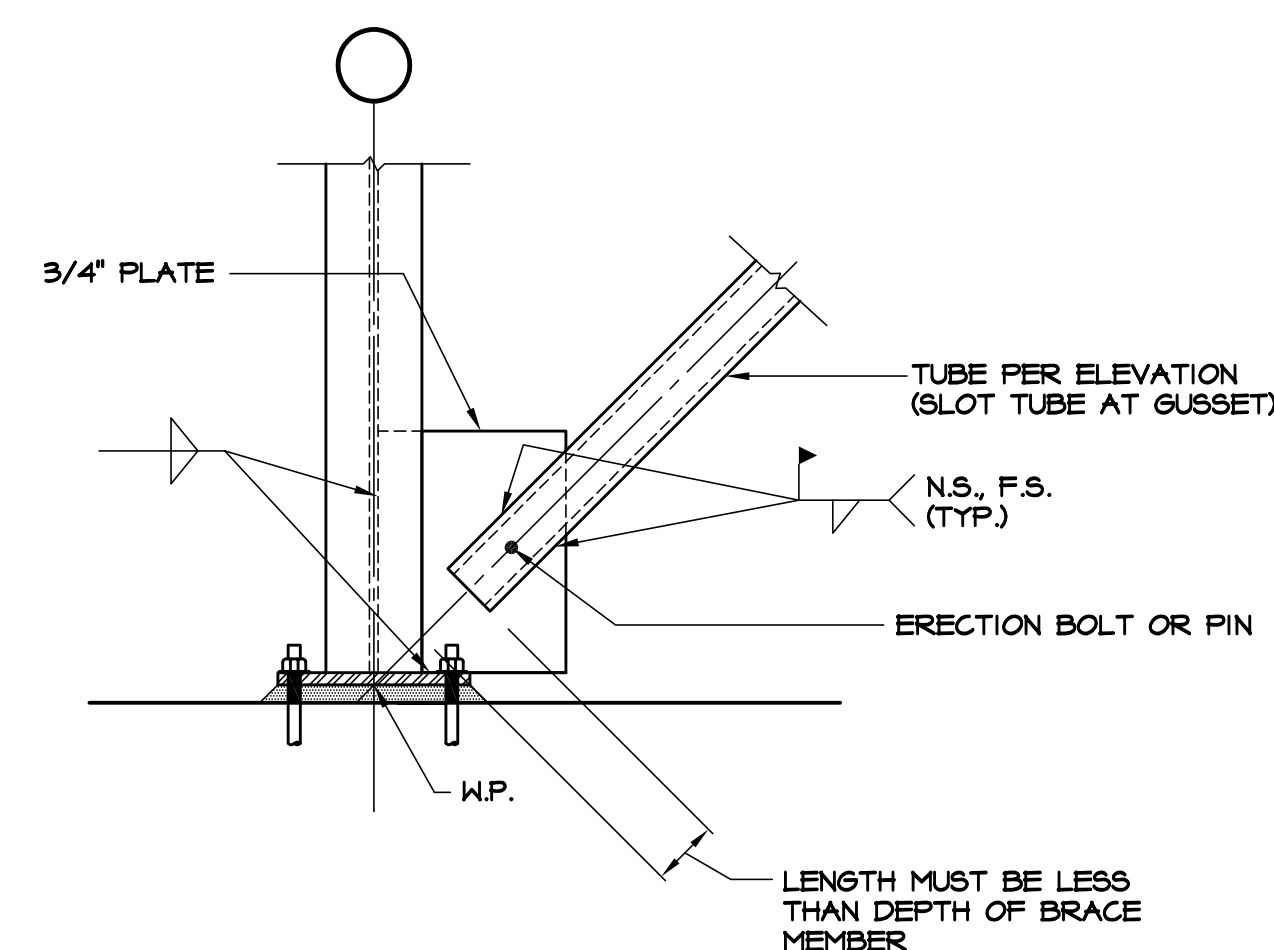
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S2.3



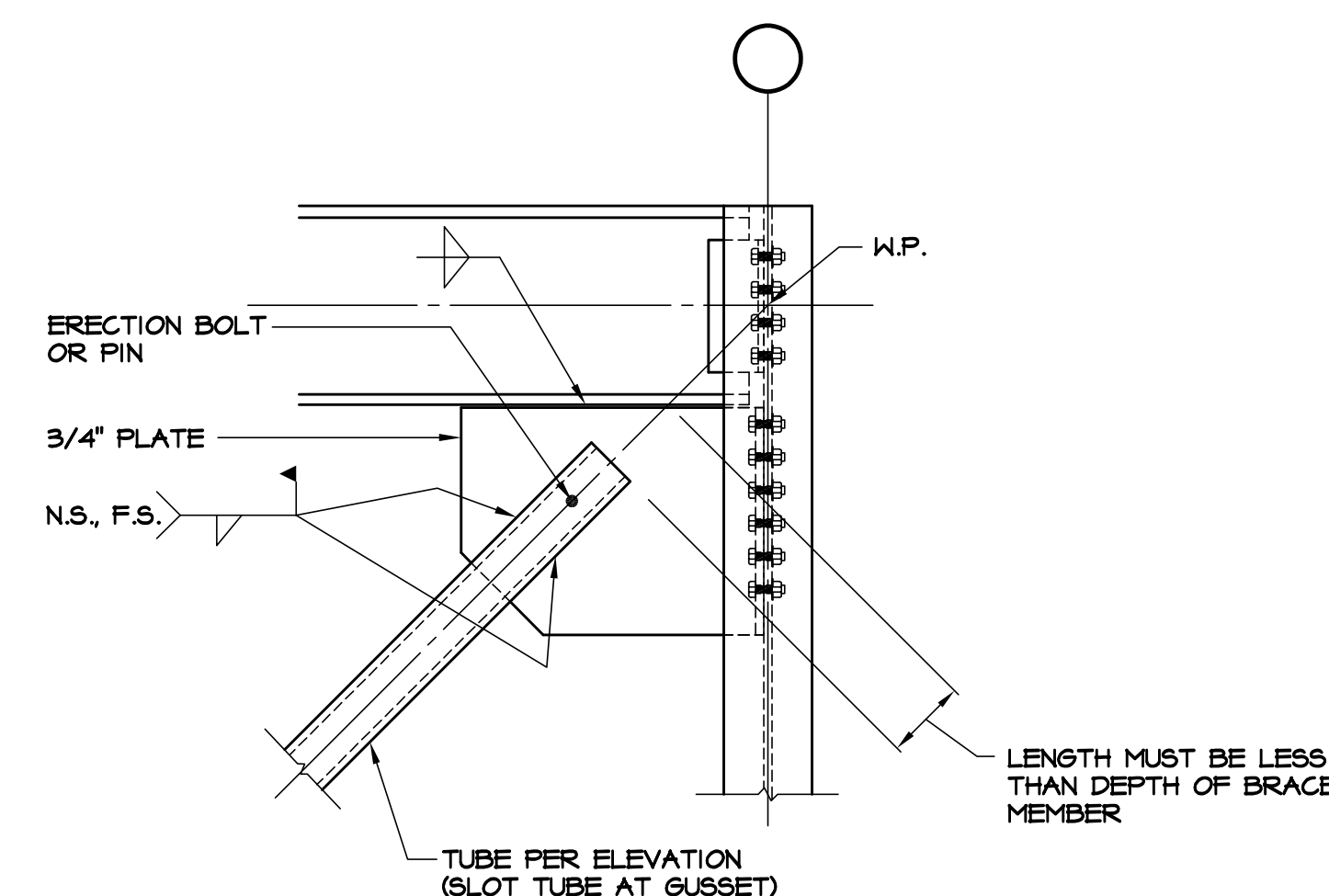
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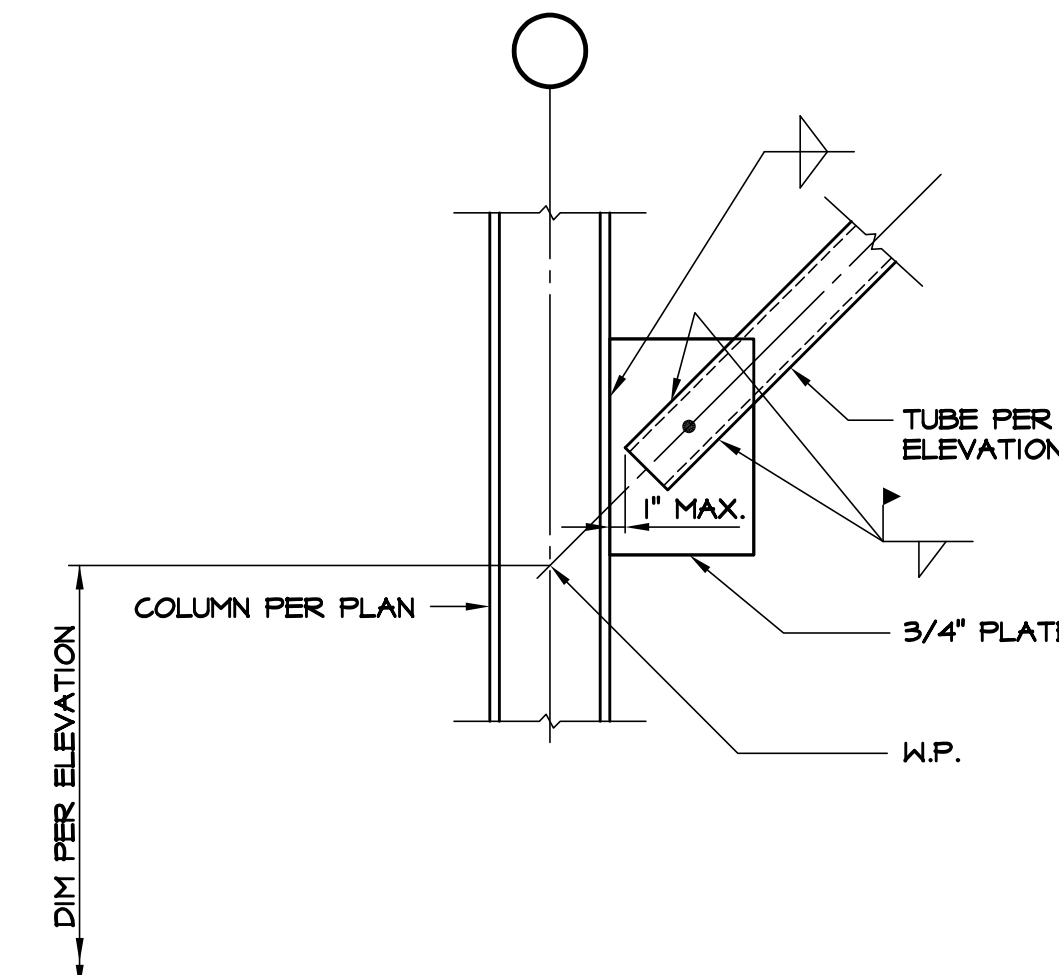
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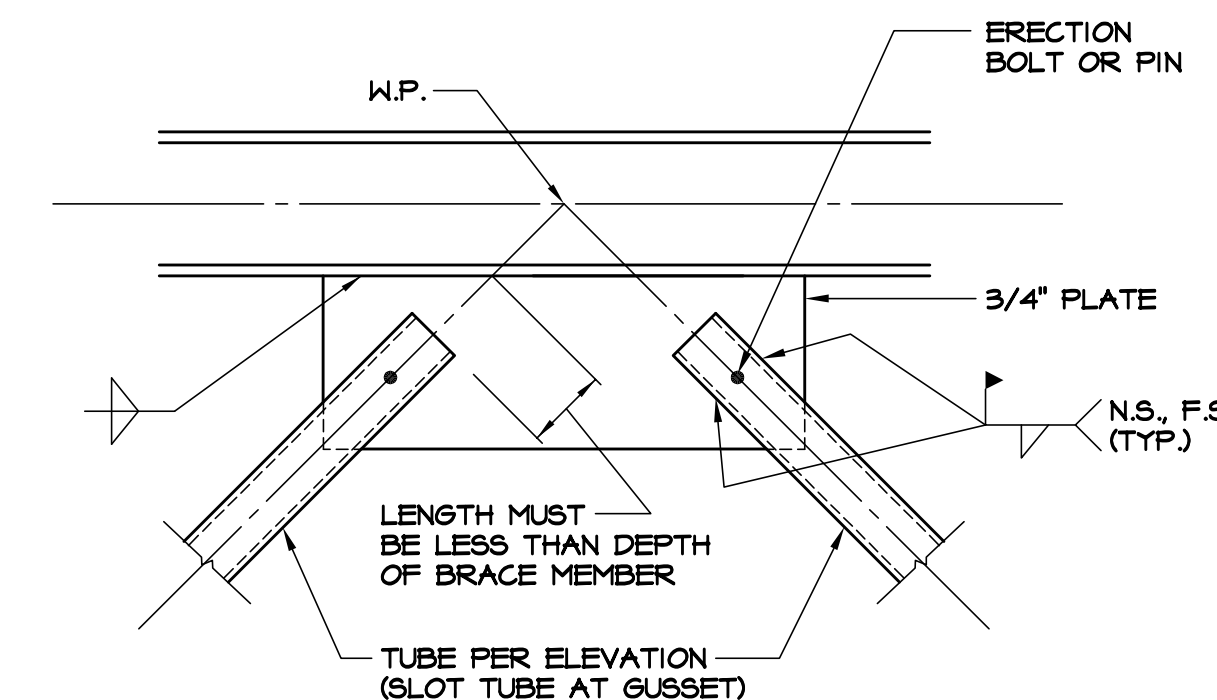
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S3.1 SCALE: 3/4" = 1'-0"



2 SECTION
S3.1 SCALE: 3/4" = 1'-0"

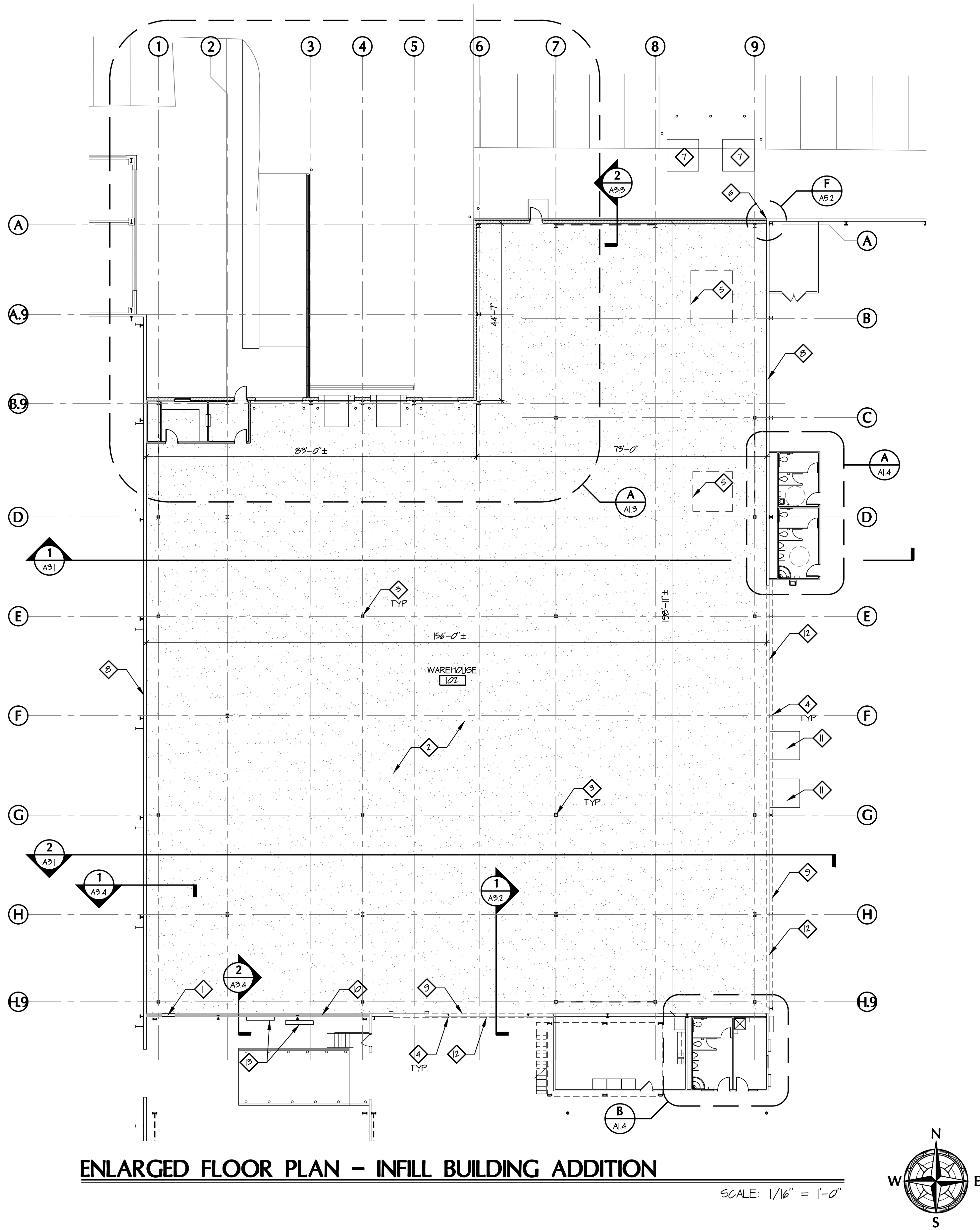


3 SECTION
S3.1 SCALE: 3/4" = 1'-0"



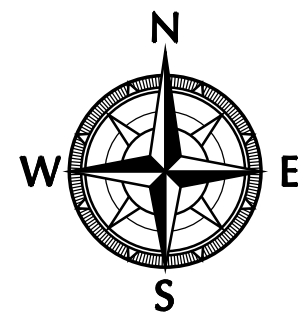
4 SECTION
S3.1 SCALE: 3/4" = 1'-0"

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ENLARGED FLOOR PLAN - INFILL BUILDING ADDITION

SCALE: 1/16" = 1'-0"

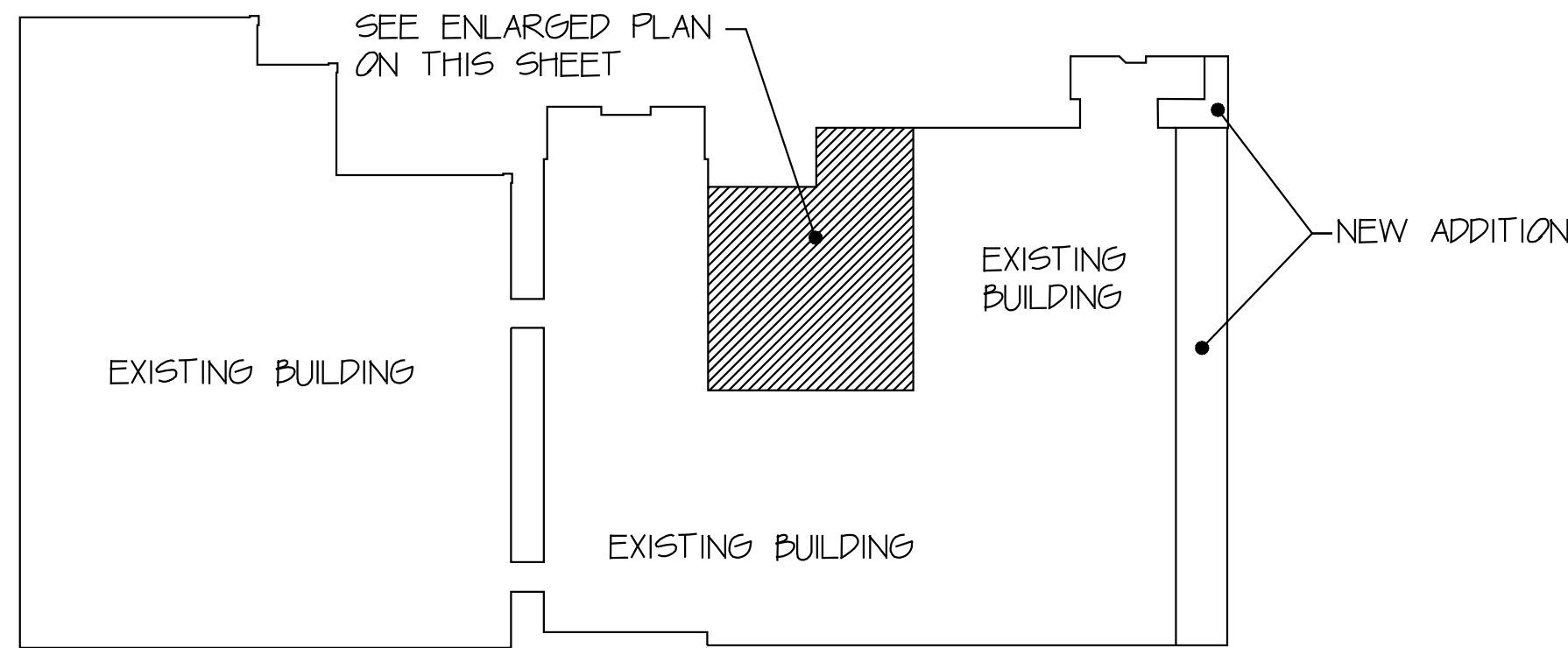


GENERAL NOTES

1. SEE DEMOLITION DRAWINGS FOR ALL RELATED DEMOLITION WORK.
2. SEE CIVIL DRAWINGS FOR ALL RELATED SITE WORK.
3. SEE SHEET 601 FOR INFORMATION RELATED TO EGRESS AND LIFE SAFETY.
4. SEE MEP DRAWINGS FOR ALL RELATED WORK.
5. SEE FIRE PROTECTION DRAWINGS FOR SPRINKLER SYSTEM DIAGRAMMATIC DRAWINGS.
6. SEE STRUCTURAL DRAWINGS FOR STRUCTURAL SLAB, WALL AND DETAIL INFORMATION.
7. REFER TO WALL SECTIONS FOR CONSTRUCTION OF EXTERIOR WALLS.
8. ALL DIMENSIONS ARE TAKEN TO FINISH SURFACES UNLESS OTHERWISE NOTED.
9. ALL DIMENSIONS SHALL HAVE PREFERENCE OVER SCALE. DO NOT SCALE DRAWINGS.
10. THE CONTRACTOR MUST VERIFY ALL CONDITIONS PRIOR TO STARTING CONSTRUCTION. IF CONTRACTOR SHOULD DISCOVER ANY UNFORESEEN PROBLEMS DURING CONSTRUCTION, THE ARCHITECT SHOULD BE NOTIFIED IMMEDIATELY AND THAT PARTICULAR WORK SHOULD BE DISCONTINUED UNTIL NECESSARY REVISIONS CAN BE DECIDED UPON.
11. THE DRAWINGS INDICATE THE GENERAL SCOPE OF THE PROJECT IN TERMS OF ARCHITECTURAL DESIGN CONCEPTS, THE DIMENSIONS OF THE BUILDING, THE MAJOR ARCHITECTURAL ELEMENTS AND THE TYPE OF STRUCTURAL SYSTEM. AS SCOPE DOCUMENTS THE DRAWINGS DO NOT NECESSARILY INDICATE OR DESCRIBE ALL WORK REQUIRED FOR FULL PERFORMANCE AND COMPLETION OF THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS. ON THE BASIS OF THE GENERAL SCOPE INDICATED OR DESCRIBED, THE CONTRACTORS SHALL FURNISH ALL ITEMS REQUIRED FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK.
12. THE COORDINATION OF ALL MATERIALS, LABOR AND THE SUB-CONTRACTOR'S WORKMANSHIP IS THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
13. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING LOCAL BUILDING OFFICIALS AND INSPECTORS FOR PERMITS AND INSPECTIONS. NOTIFY THE ARCHITECT IMMEDIATELY OF ANY NON-CONFORMING DESIGN ISSUES.
14. ALL FIXTURES, EQUIPMENT AND MATERIALS SHALL BE INSTALLED PER THE MANUFACTURER'S SPECIFICATIONS, RECOMMENDATIONS AND INSTRUCTIONS.
15. SHOP DRAWINGS, PRODUCT DATA AND SAMPLES SHALL BE PROVIDED AS REQUIRED TO ENSURE THAT THE SPECIFIED PRODUCTS ARE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE DESIGN INTENT. ALL SUBMITTALS SHALL BE REVIEWED BY THE GENERAL CONTRACTOR / CONSTRUCTION MANAGER AND SHALL BE STAMPED WITH THE GENERAL CONTRACTOR'S CONSTRUCTION MANAGER'S REVIEW STAMP WITH THE APPROPRIATE ACTION NOTED, PRIOR TO SUBMITTAL TO THE ARCHITECT. THE MANUFACTURE OR CONSTRUCTION OF ANY PIECES OF EQUIPMENT, DEVICE OR OTHER ITEM FOR WHICH SHOP DRAWINGS, PRODUCT DATA AND SAMPLES ARE REQUIRED TO BE FURNISHED SHALL NOT COMMENCE PRIOR TO COMPLETE PROCESSING OF THE APPROVED SUBMITTAL.
16. ALL WORK SHALL BE IN ACCORDANCE WITH THE QUALITY STANDARDS OF THE TRADE AND SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES AND MANUFACTURER'S RECOMMENDATIONS.
17. TRANSPORT ALL TRASH, RUBBISH, AND DEBRIS FROM SITE AND LEGALLY DISPOSE OF SAME. THE MANNER OF REMOVAL MUST BE CONFIRMED WITH THE OWNER AND AS ALLOWED BY ALL CITY AND STATE REGULATIONS.
18. SEAL PERIMETER OF FRAMES OF ALL EXTERIOR OPENINGS TO ADJACENT WALL CONSTRUCTION. SEAL PERIMETER OF PENETRATIONS THROUGH EXTERIOR WALLS ON BOTH SIDES OF JOINT BETWEEN PENETRATION ITEM AND EXTERIOR WALL CONSTRUCTION.
19. COORDINATE REQUIRED DOCK EQUIPMENT, INCLUDING BUMPERS, SEALS AND NEW & EXISTING LEVELERS WITH SPECIFIC SITE CONDITIONS. ADVISE ARCHITECT OF ANY REQUIRED PLAN MODIFICATIONS TO ACCOMMODATE DOCK EQUIPMENT, INCLUDING FOUNDATION EXTENSIONS PRIOR TO THE START OF CONSTRUCTION.

DRAWING NOTES

1. PROVIDE METAL PANEL INFILL AT LOCATION OF DOOR TO BE REMOVED.
2. 8" CONCRETE SLAB-ON-GRADE ON 15 MIL VAPOR BARRIER - SEE STRUCTURAL DRAWINGS.
3. NEW STEEL COLUMN - SEE STRUCTURAL DRAWINGS.
4. EXISTING COLUMN TO REMAIN.
5. PIT FOR FUTURE EQUIPMENT - SEE STRUCTURAL DRAWINGS AND DETAILS.
6. ALIEN FACE OF NEW BRICK WALL, PROVIDE EXPANSION JOINT MATERIAL AT TRANSITION - SEE WALL SECTIONS AND STRUCTURAL DRAWINGS.
7. TRANSFORMERS BY OTHERS.
8. EXISTING WALL TO REMAIN.
9. DASHED LINE REPRESENTS EXISTING WALL PANELS AND GIRTS ABOVE TO REMAIN - PROVIDE CLEAR OPENING FROM FLOOR TO 11'-4" +/- AFF - VERIFY IN FIELD.
10. NEW CONCRETE STEM WALL - SEE SECTION 2/A9.4 AND STRUCTURAL DRAWINGS.
11. INFILL OPENING FROM RELOCATED DOCK LEVELER WITH CONCRETE.
12. LINE AT NEW FLOOR TRANSITION.
13. EXISTING SPRINKLER RISER AND ELECTRICAL PANELS TO REMAIN.



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Engineers • Architects • Surveyors
Planners • Landscape Architects

Drawn By DCC Project Mgr. RGM

CAD File 9733333-4L1

X-Ref File

Issue/Revision	Revision Number	Date
BID / PERMIT		05/25/17

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RENOVATIONS AND ADDITIONS

FOR

Republic Wire

UNION CENTRE DRIVE
WEST CHESTER, OHIO 45069

Sheet Title

ENLARGED FLOOR PLAN
INFILL BUILDING ADDITION

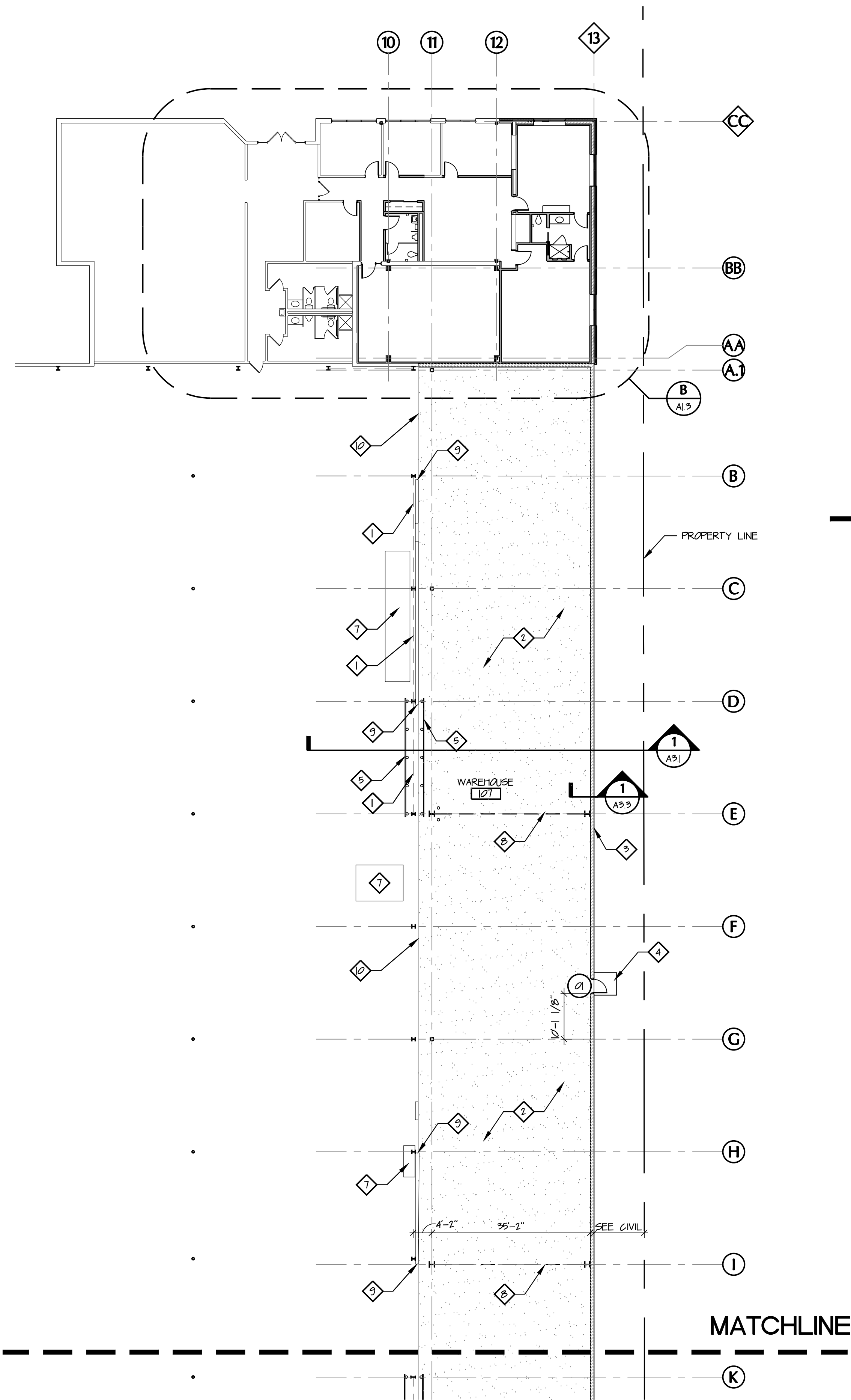
Project No. 97333.33

Scale AS NOTED

Sheet No. A1.1

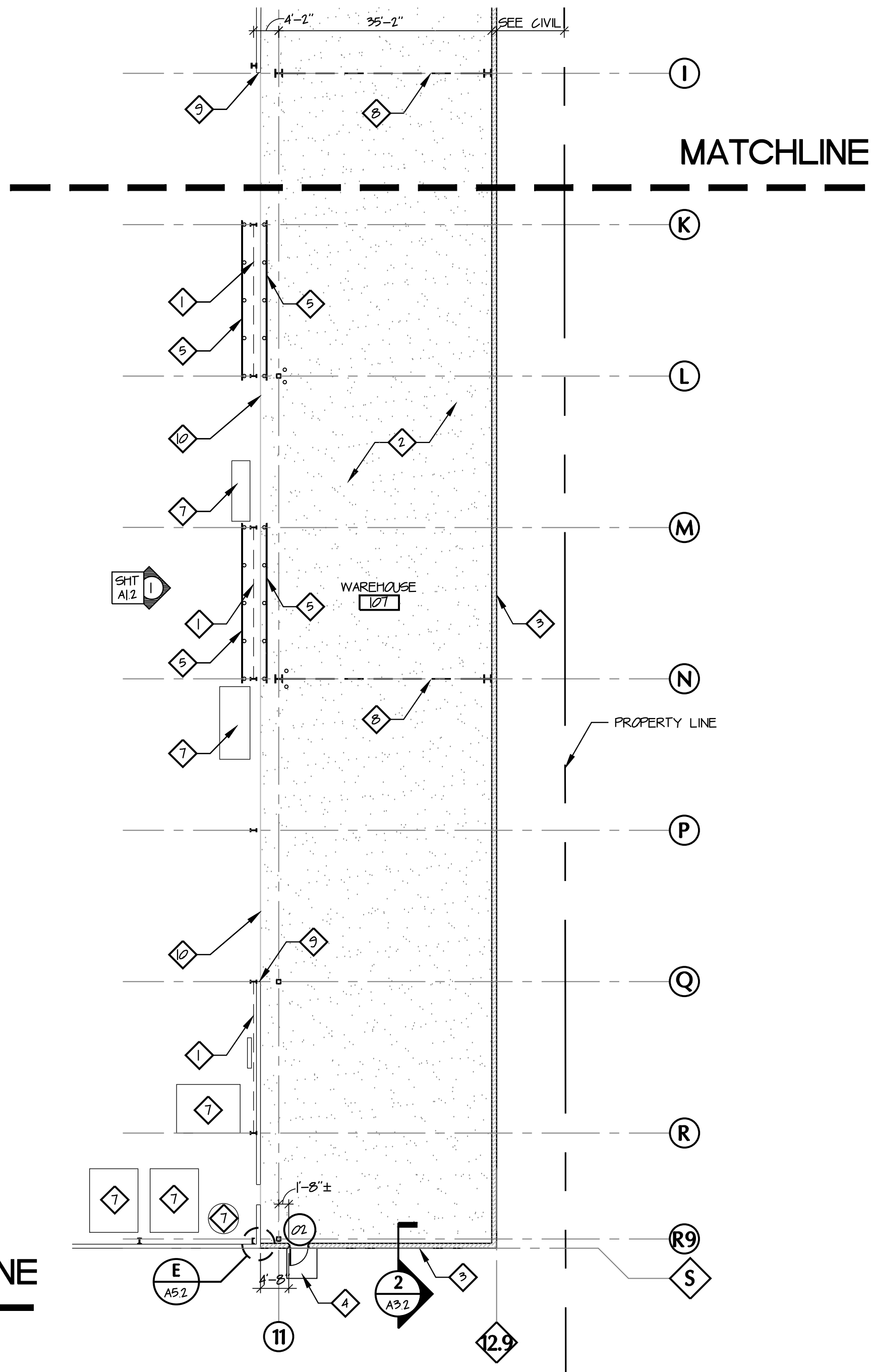
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ENLARGED FLOOR PLAN - EAST ADDITION

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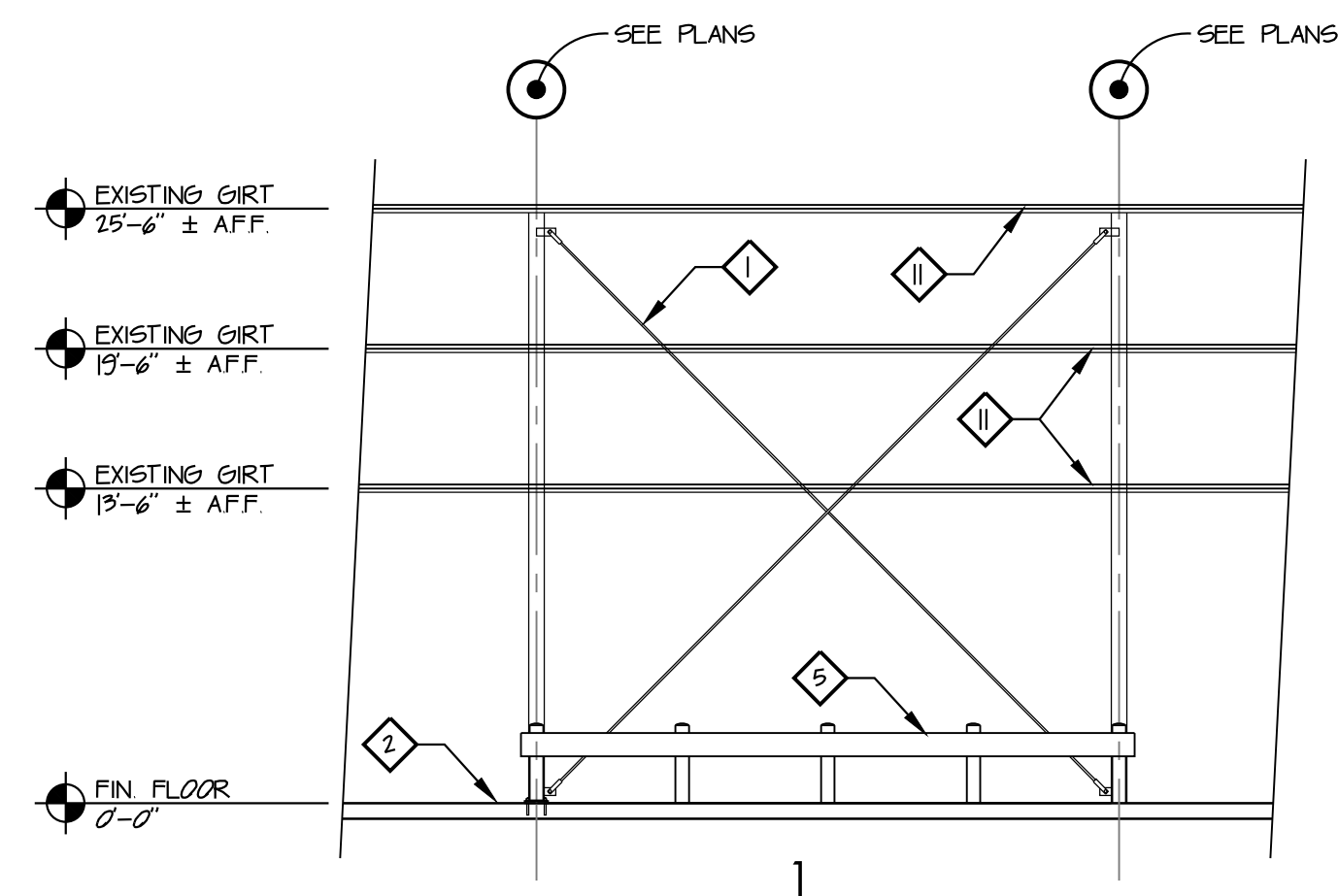


ENLARGED FLOOR PLAN - EAST ADDITION

SCALE: 1/16" = 1'-0"

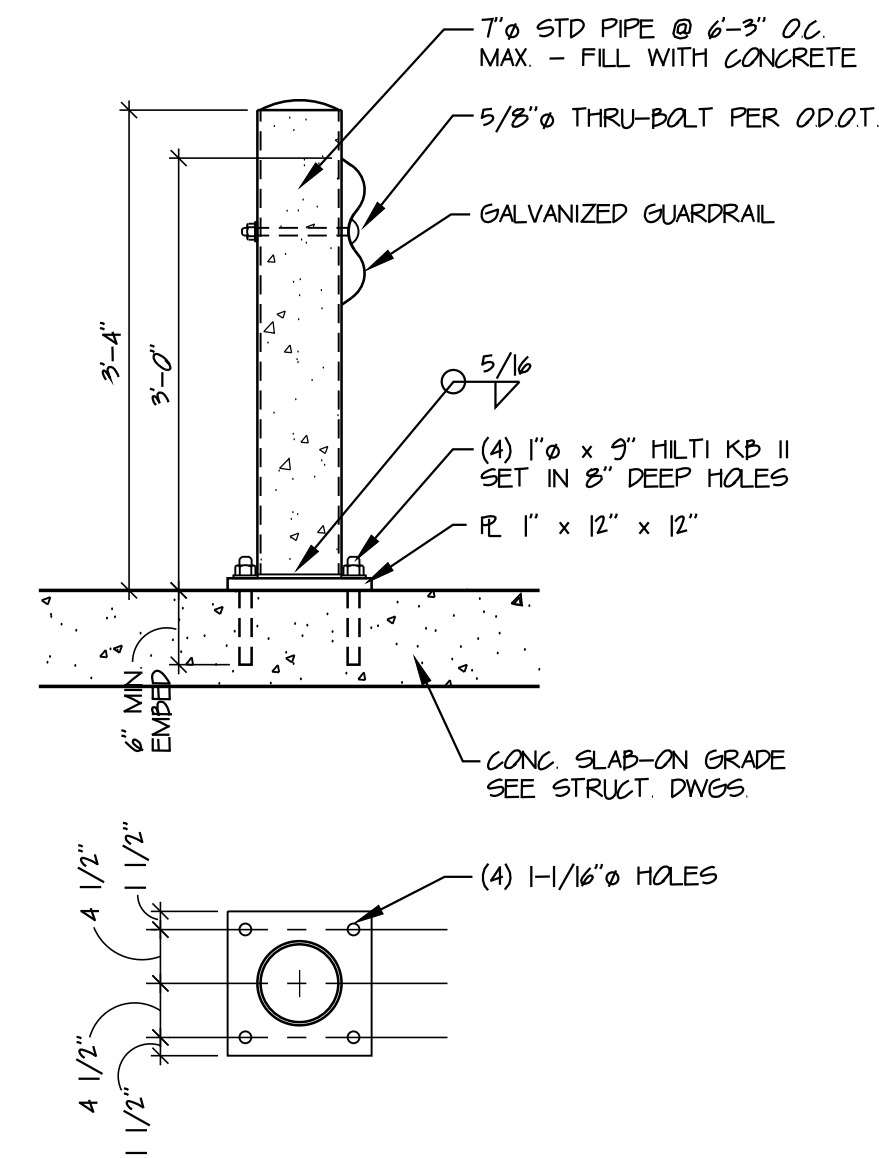
DRAWING NOTES

- 1 EXISTING STRUCTURE BRACE TO REMAIN
- 2 NEW 8" CONCRETE SLAB-ON-GRADE ON 15 MIL VAPOR BARRIER - SEE STRUCTURAL DRAWINGS
- 3 NEW 3 HOUR WALL - SEE SECTIONS
- 4 NEW 3 HOUR HOLLOW METAL DOOR AND FRAME - PROVIDE 4" THICK 5'-0" x 5'-0" CONCRETE PAD AT DOOR - SEE DOOR SCHEDULE
- 5 NEW VEHICULAR GUARDRAIL AT EXISTING OVERHEAD STRUCTURAL BRACE - BOTH SIDES OF BRACE - PAINT BOLLARD AND GUARDRAIL "SAFETY YELLOW"
- 6 EXISTING CHILLER RELOCATED BY OWNER
- 7 EXISTING EQUIPMENT TO REMAIN
- 8 NEW STRUCTURAL BRACE - SEE STRUCTURAL DRAWINGS
- 9 FARGE EXPOSED EDGE OF CMU TO MAKE SMOOTH
- 10 LINE AT NEW FLOOR TRANSITION
- 11 EXISTING STEEL GIRT TO REMAIN



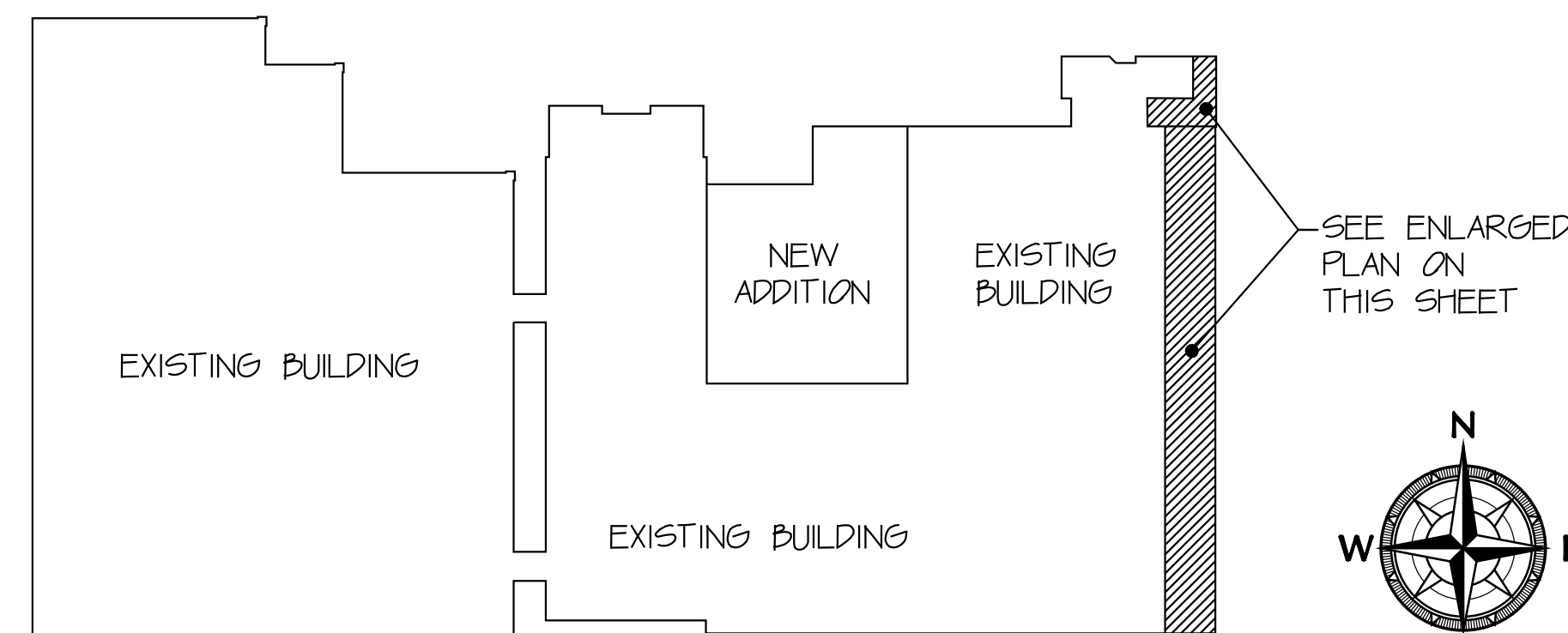
GUARDRAIL ELEVATION

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



BOLLARD DETAIL

SCALE: 3/4" = 1'-0"



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Drawn By DCC Project Mgr. RGM

CAD File 9733333-4L1

X-Ref File

Issue/Revision	Revision Number	Date
BID / PERMIT		05/25/17

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RENOVATIONS AND ADDITIONS

FOR

Republic Wire

UNION CENTRE DRIVE
WEST CHESTER, OHIO 45069

Sheet Title

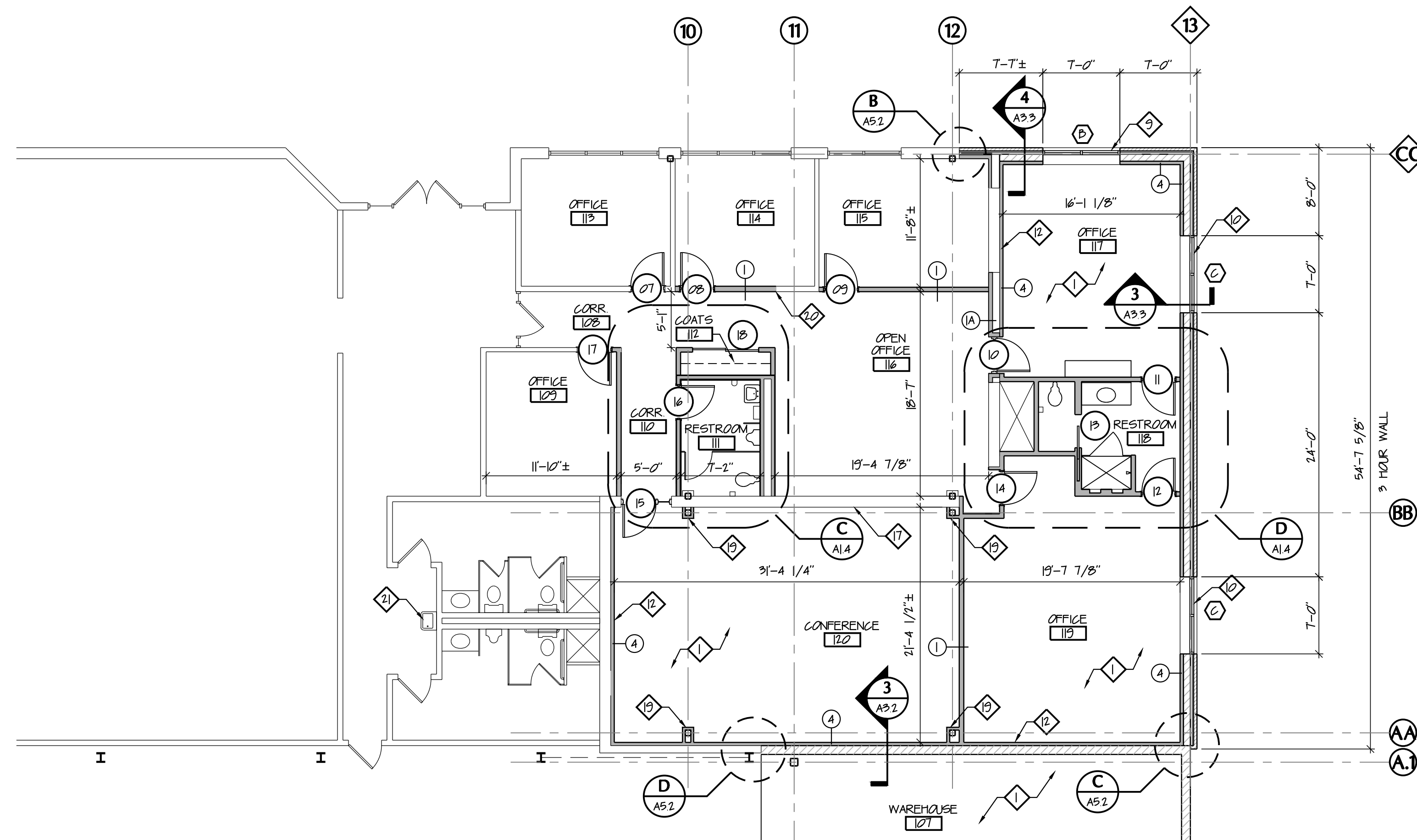
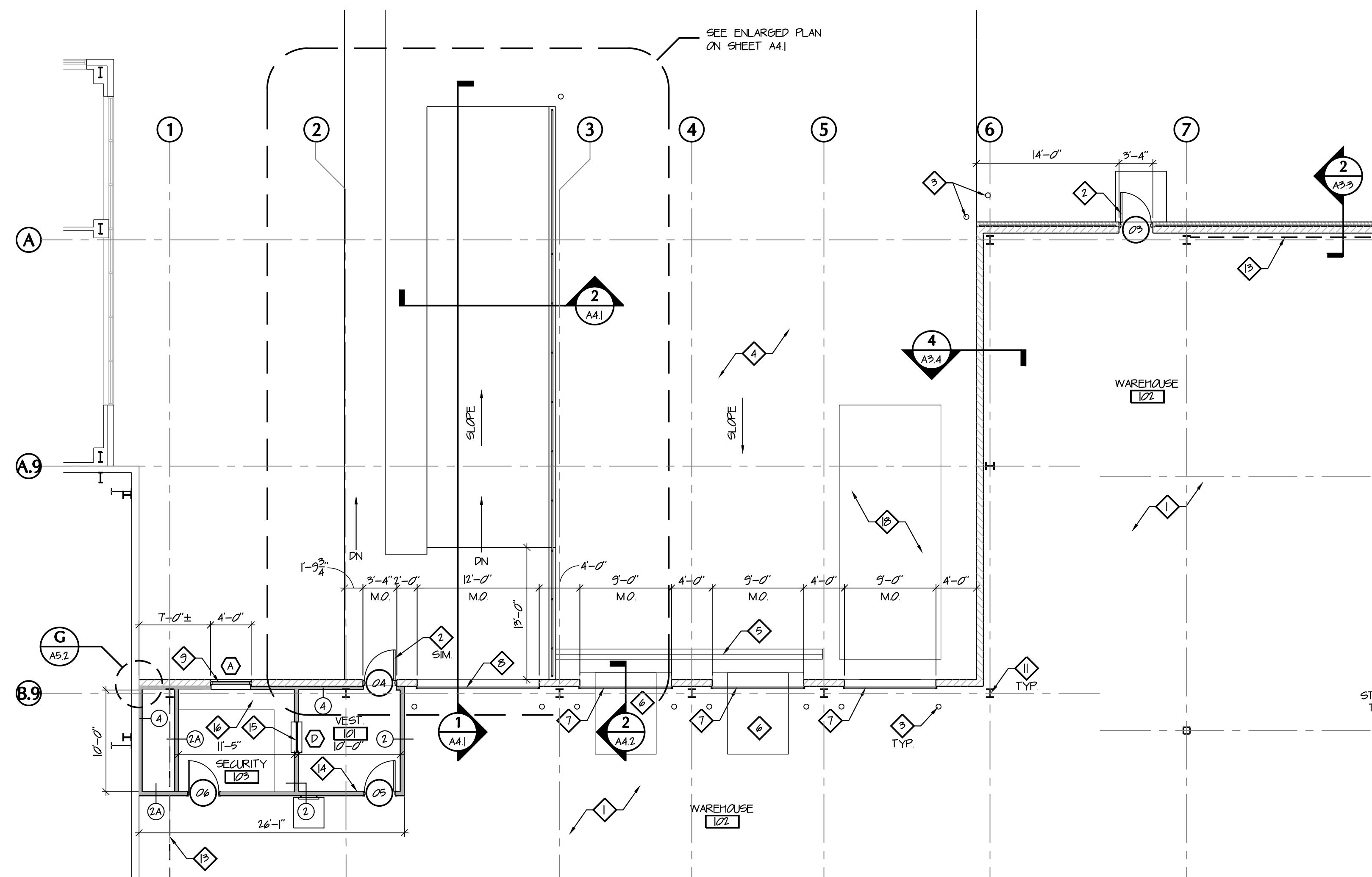
ENLARGED FLOOR PLAN
EAST ADDITION & OFFICE

Project No. 97333.33

Scale AS NOTED

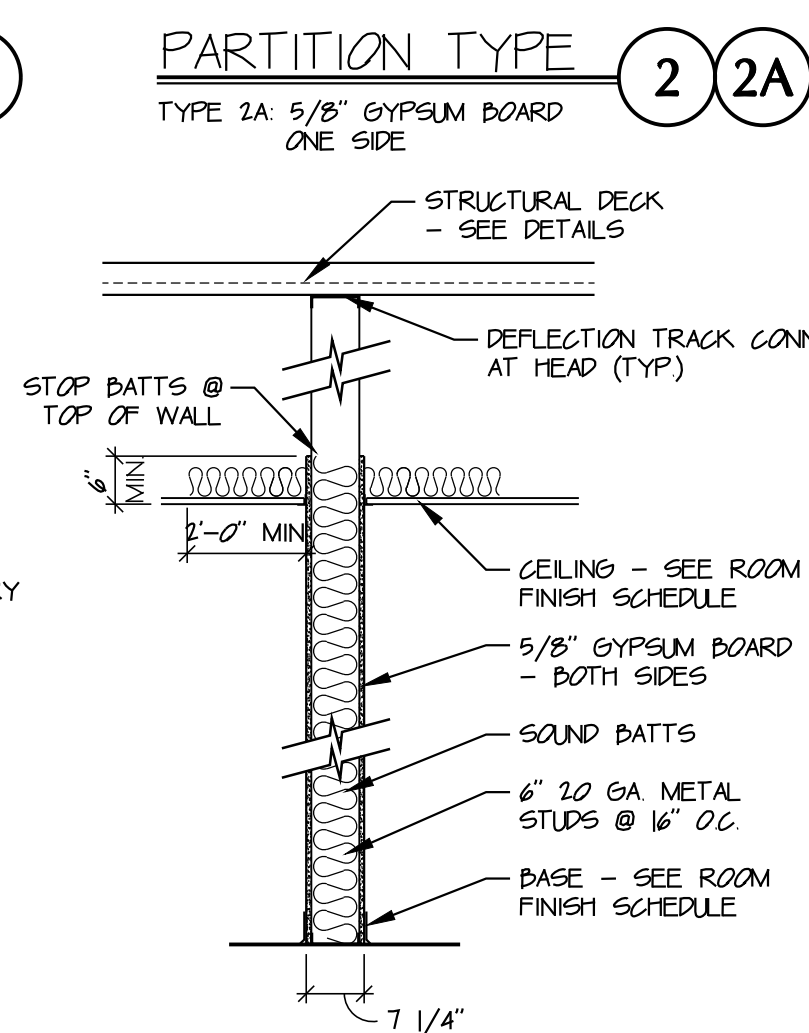
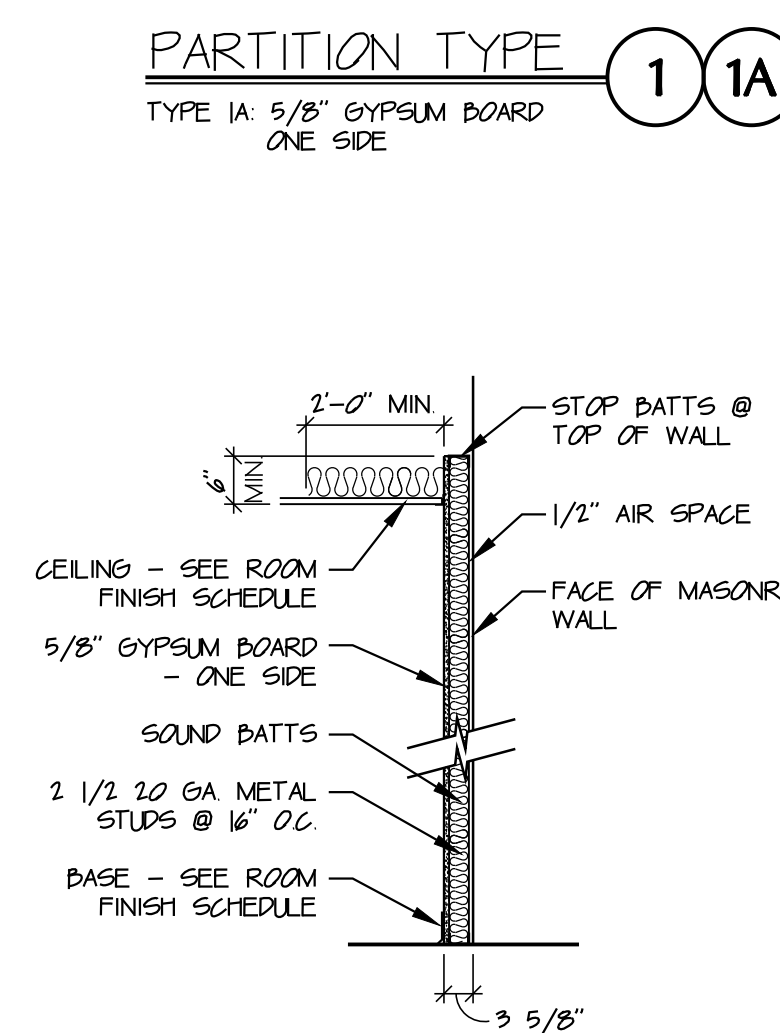
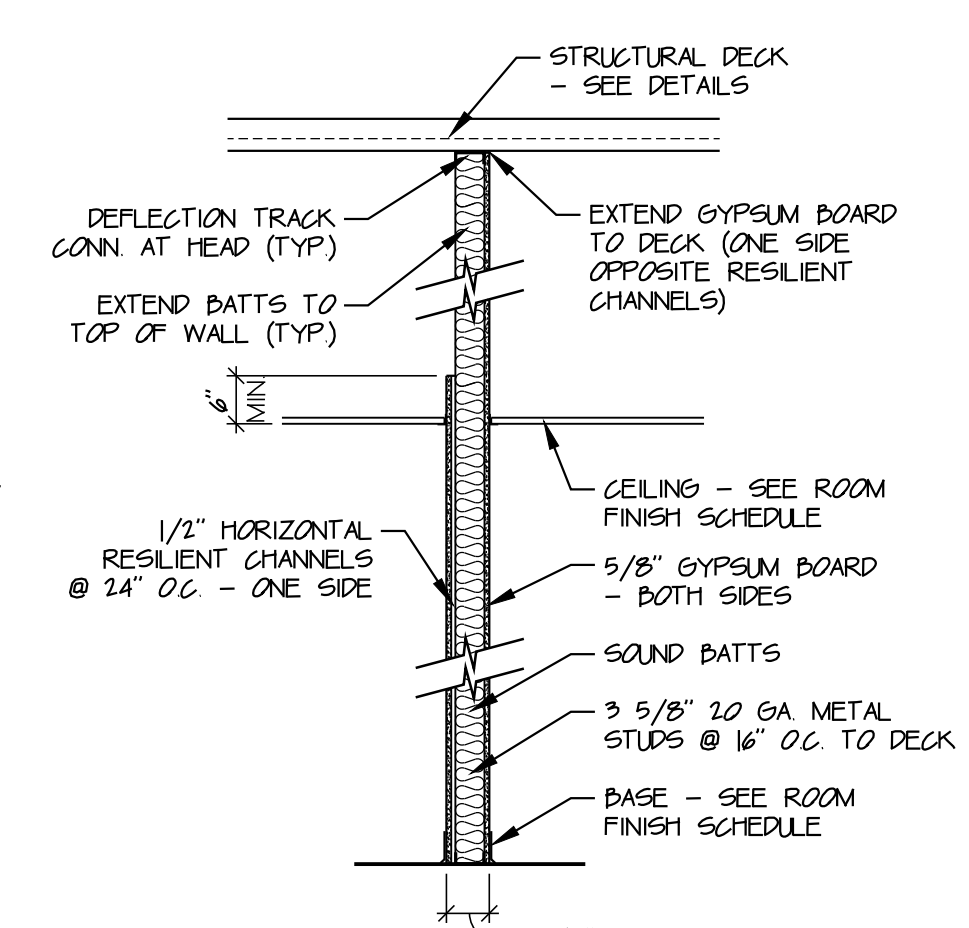
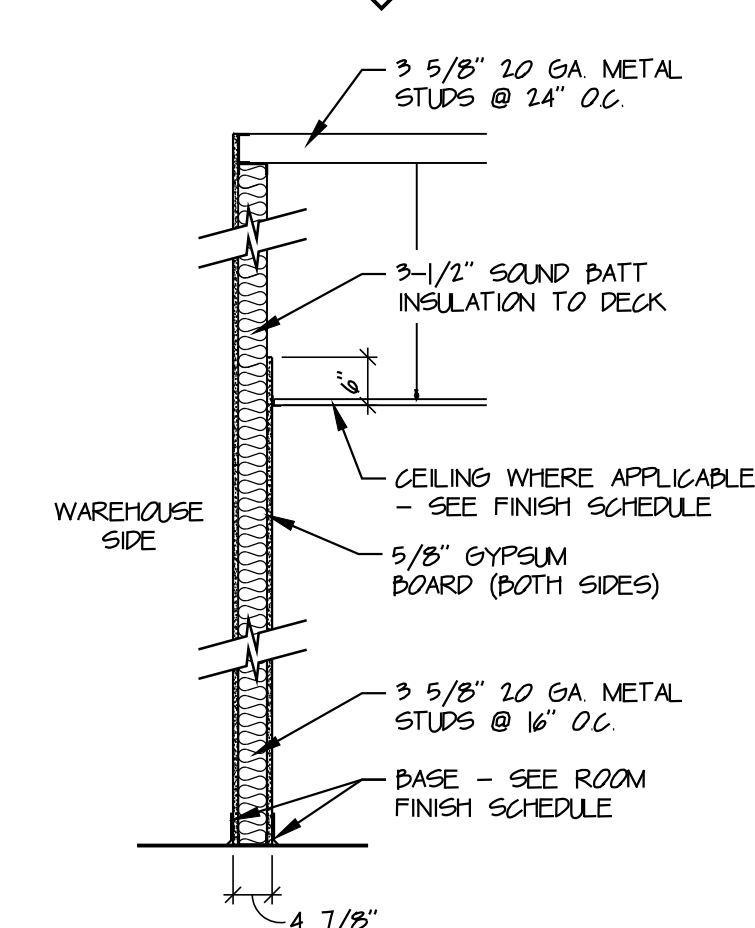
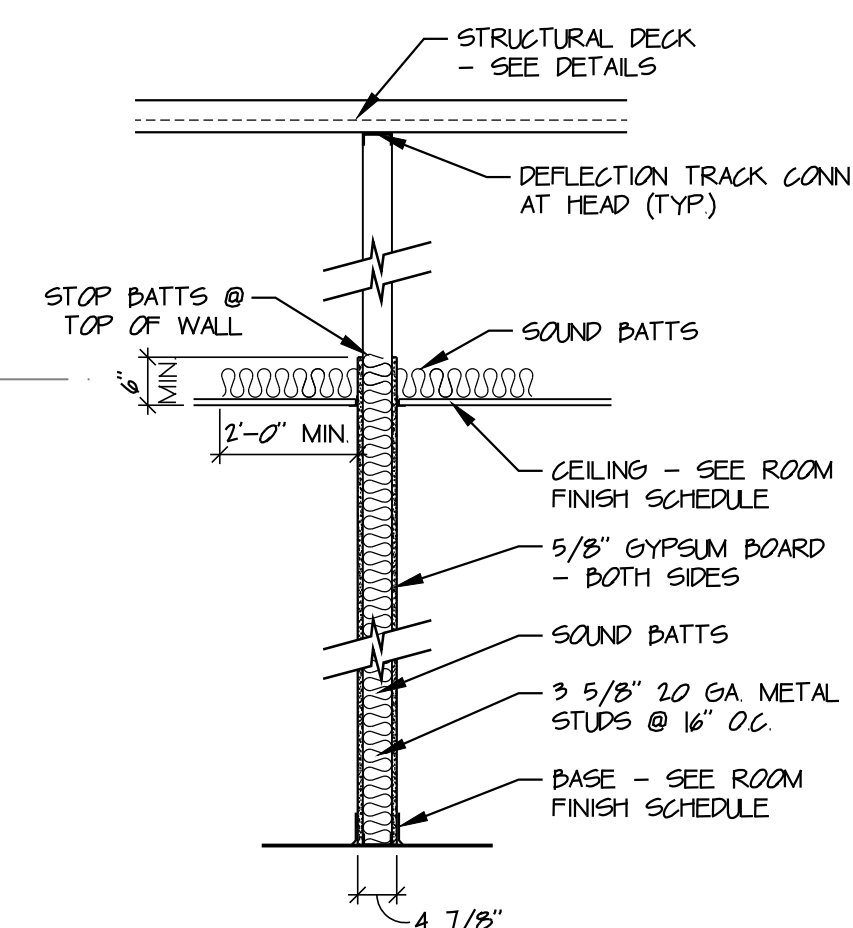
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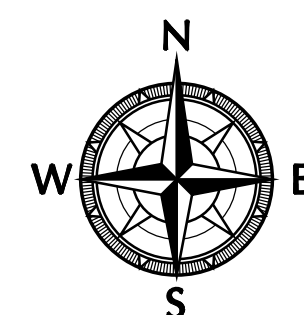
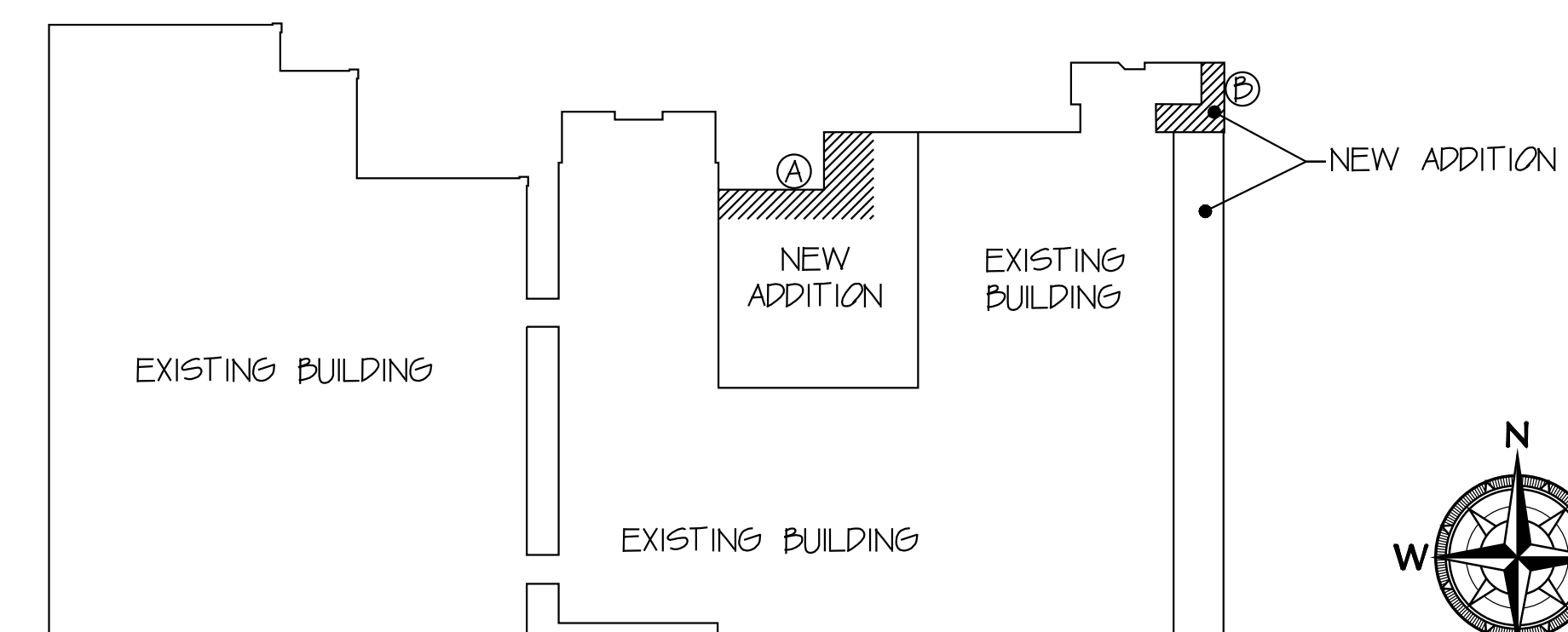


DRAWING NOTES

- 1 CONCRETE SLAB-ON-GRADE - SEE STRUCTURAL DRAWINGS
- 2 NEW HOLLOW METAL DOOR AND FRAME - SEE SCHEDULE - PROVIDE 5'-0" x 5'-0" CONCRETE PAD AT DOOR - SEE DETAIL
- 3 6" DIA CONCRETE FILLED BOLLARD - TYP.
- 4 HEAVY DUTY CONCRETE PAVING - SEE CIVIL DRAWINGS
- 5 TRENCH DRAIN - SEE CIVIL DRAWINGS
- 6 DOCK LEVELER - RE-USE EXISTING - SEE DEMOLITION PLANS
- 7 NEW 9'-0"W x 10'-0"H SECTIONAL OVERHEAD DOOR
- 8 NEW 12'-0"W x 10'-0"H SECTION OVERHEAD DOOR
- 9 NEW FIXED ALUMINUM WINDOW - SEE SCHEDULE
- 10 NEW 3 HOUR ALUMINUM WINDOW - SEE SCHEDULE
- 11 STEEL COLUMN - SEE STRUCTURAL DRAWINGS
- 12 2-1/2" METAL STUDS AT 16" O.C. WITH 5/8" GYPSUM BOARD
- 13 STRUCTURAL BRACE - SEE STRUCTURAL DRAWINGS
- 14 PROVIDE CARD READER AT DOOR - SEE ELECTRICAL DRAWINGS AND DOOR HARDWARE SCHEDULE
- 15 NEW TRANSACTION WINDOW - SEE WINDOW SCHEDULE
- 16 PLASTIC LAMINATE WORKSTATION - SEE SECTION 1/A/4
- 17 EXISTING BRICK - EXPOSED
- 18 TRASH COMPACTOR
- 19 PROVIDE GYPSUM BOARD ON METAL STUDS AT COLUMN WRAP AS REQUIRED
- 20 ALIGN FACE OF NEW WALL WITH FACE OF EXISTING WALL SURFACE AND PROVIDE A FLUSH AND SMOOTH SURFACE - PREPARE TO RECEIVE PAINT
- 21 EXISTING DRINKING FOUNTAIN TO REMAIN



- ## PARTITION TYPE GENERAL NOTES
1. ALL GYPSUM BOARD IN RESTROOMS SHALL BE MOISTURE RESISTANT, UNO
 2. PROVIDE SLIP-HEAD CONNECTION AT ALL STUD TO DECK CONDITIONS
 3. PROVIDE CONTROL JOINTS IN GYPSUM BOARD PER SPECIFICATIONS AND PER INDUSTRY STANDARDS AND STANDARD PRACTICES FOR GYPSUM BOARD INSTALLATION
 4. ALL GYPSUM BOARD WALLS SHALL RECEIVE A LEVEL 4 FINISH, UNLESS NOTED OTHERWISE
 5. WHERE U/L NUMBERS ARE REFERENCED RELATED TO RATED WALL ASSEMBLIES, CONTRACTOR SHALL PROVIDE COMPLETE WALL SYSTEM AS DEFINED AND DETAILED IN THE MOST CURRENT U/L RESIST - DIRECTORY - U/L NUMBERS ARE PROVIDED FOR REFERENCE AS THE STANDARD BY WHICH THE WALL SYSTEMS SHALL BE CONSTRUCTED



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CAD File 9733333-4N1

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RENOVATIONS AND ADDITIONS FOR

FOR

Republic Wire

UNION CENTRE DRIVE
WEST CHESTER, OHIO 45069

WEST CHESTER, OHIO 45069

Sheet Title

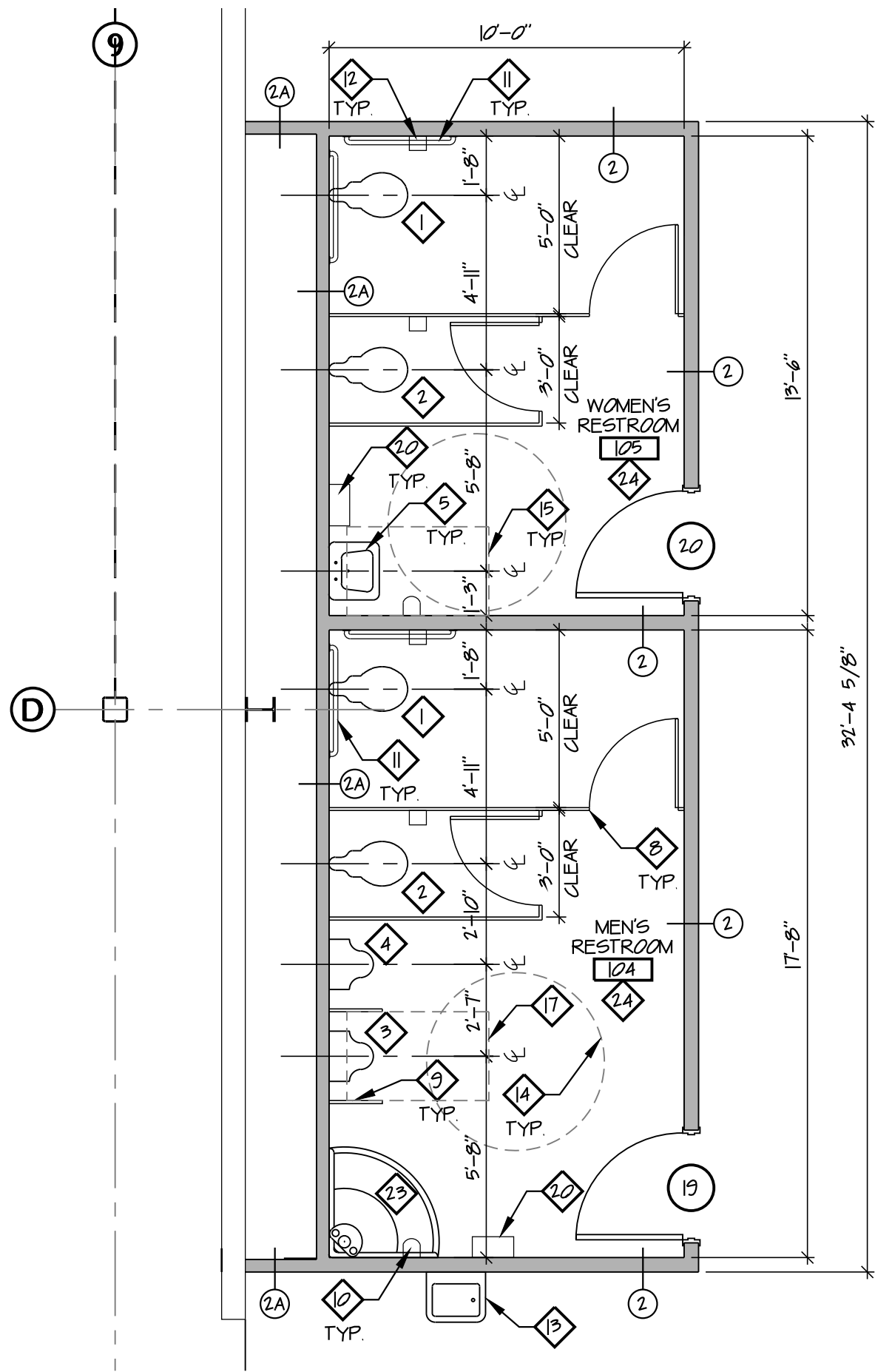
ENLARGED FLOOR PLANS

Project No.	97333.33
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Scale **AS NOTED**

Sheet No. **A1.3**

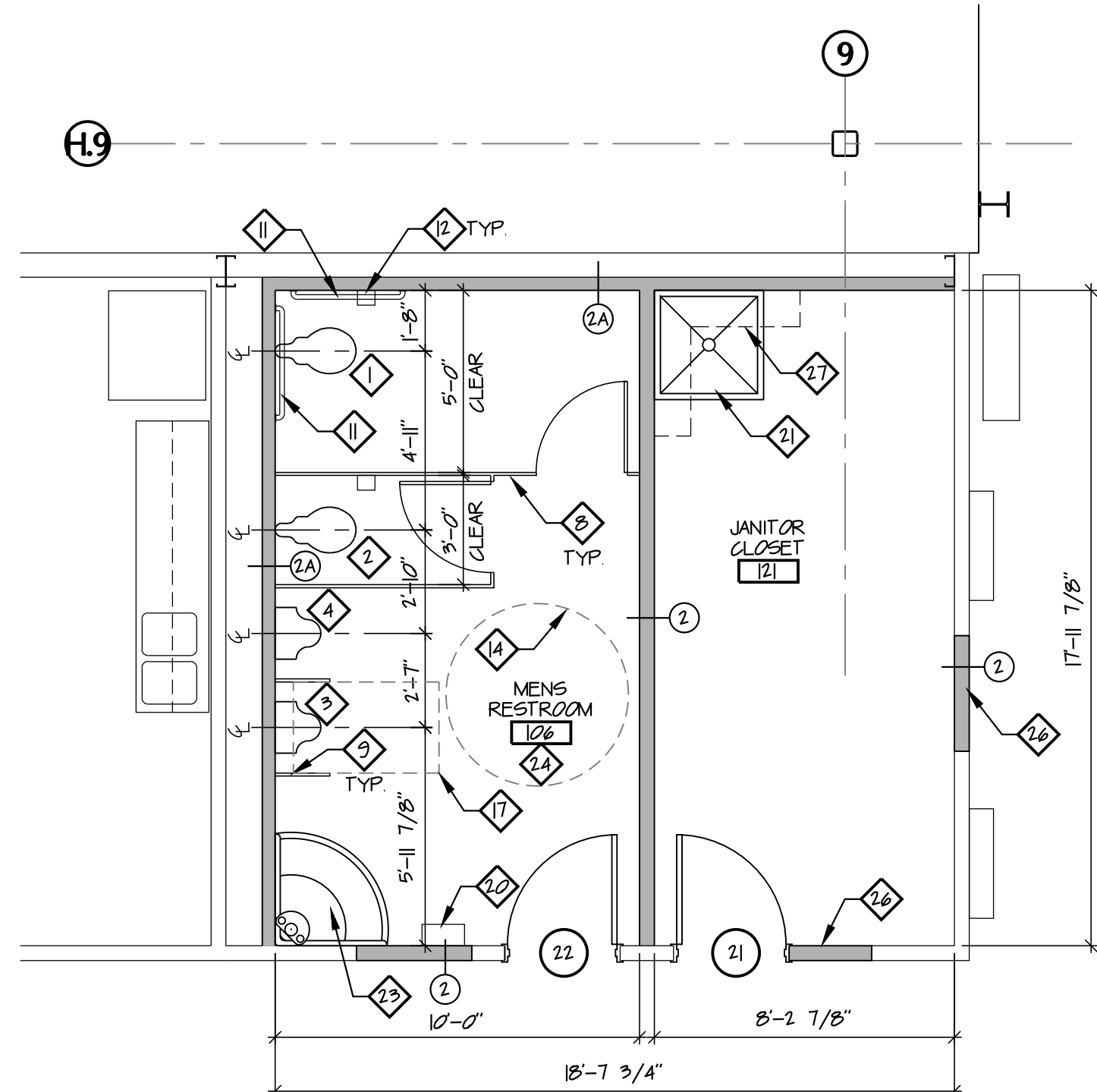
File No. 97333 33



ENLARGED FLOOR PLAN

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

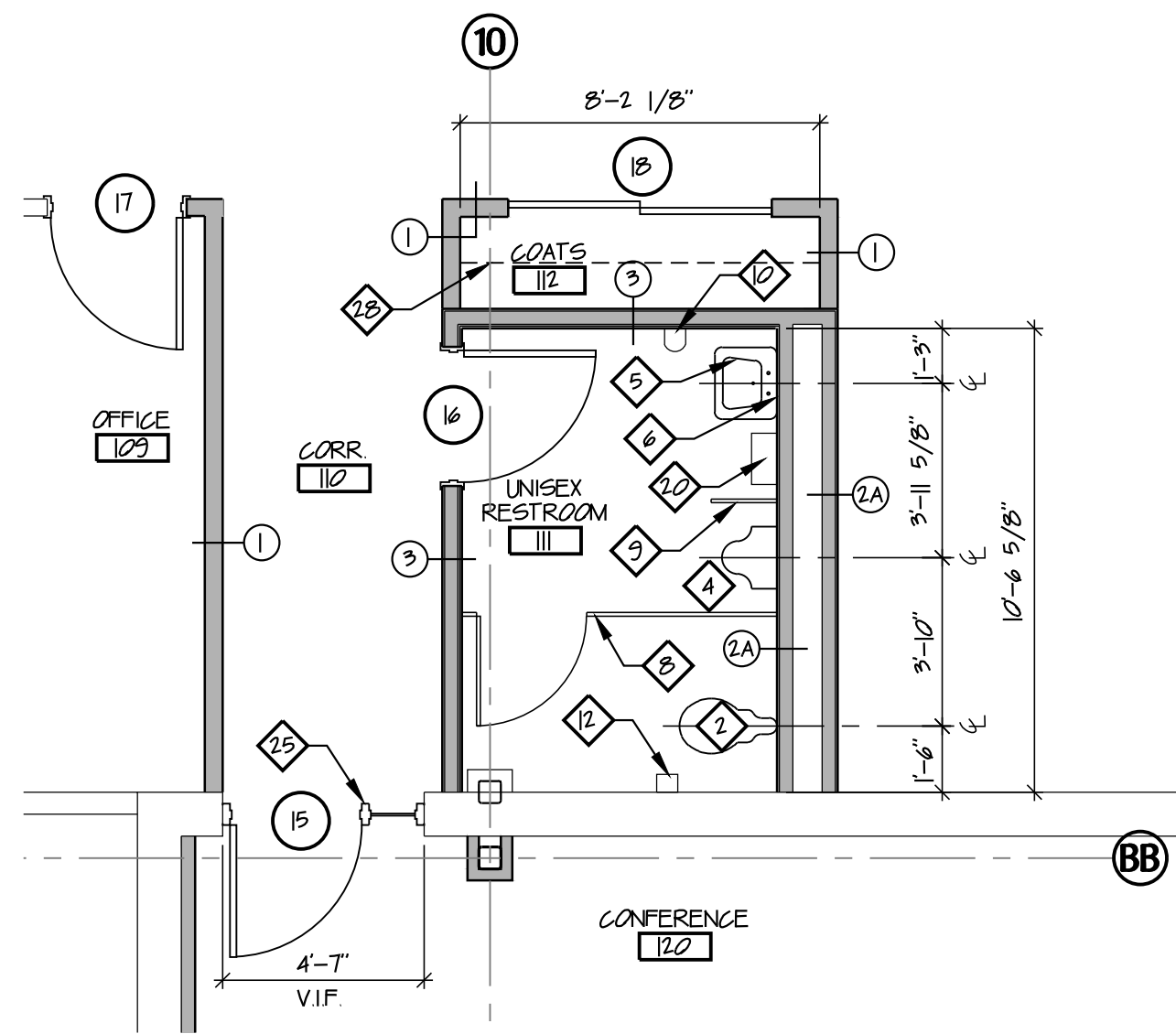
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ENLARGED FLOOR PLAN

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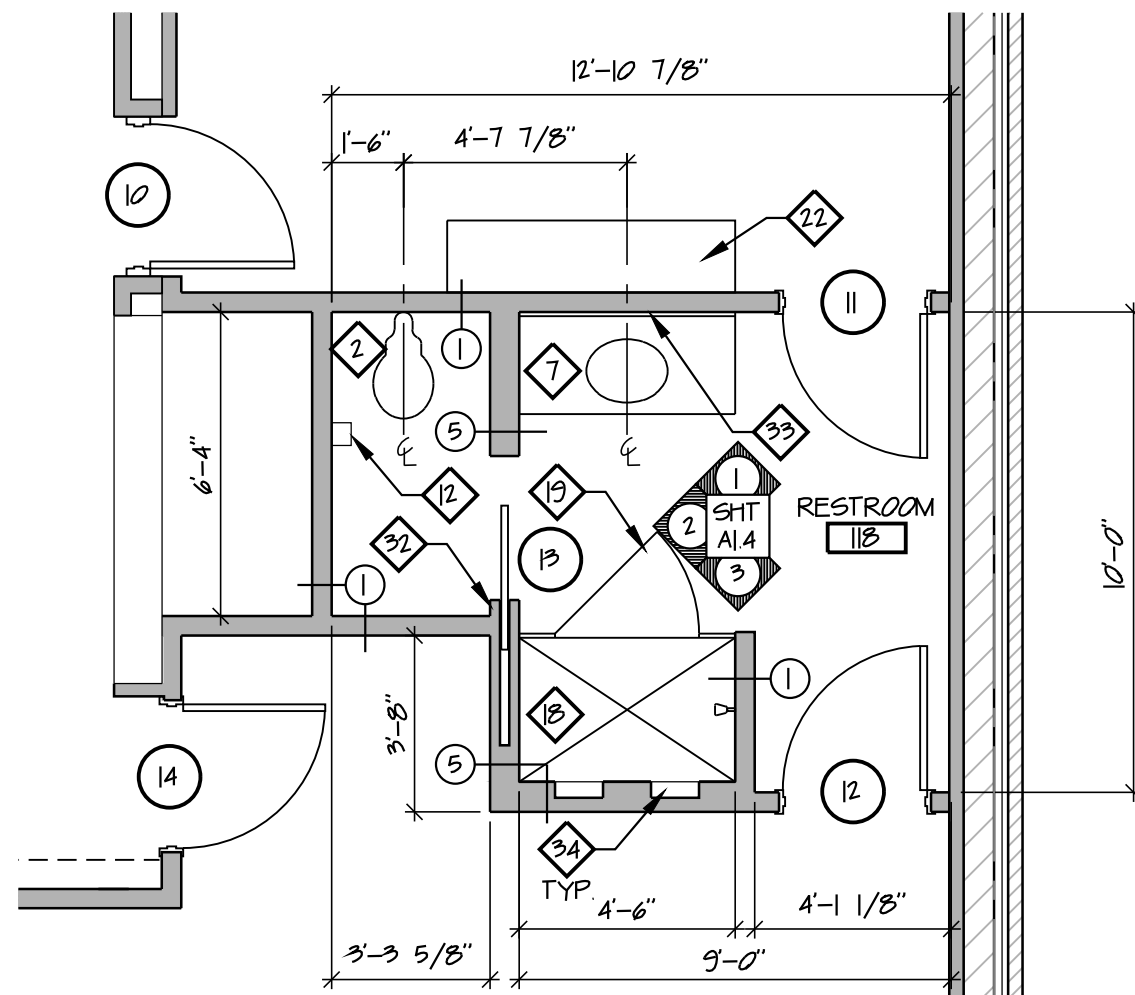
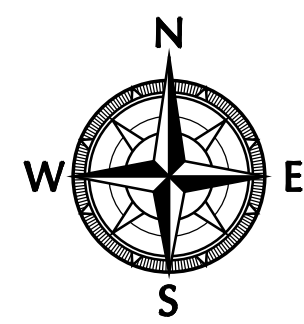
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ENLARGED FLOOR PLAN

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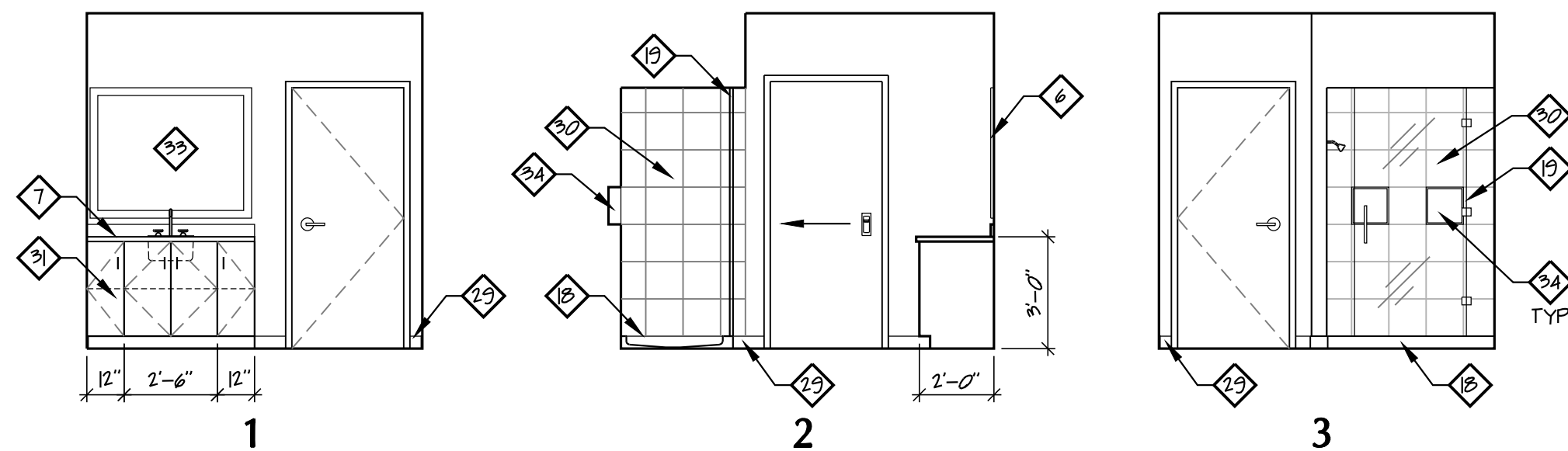
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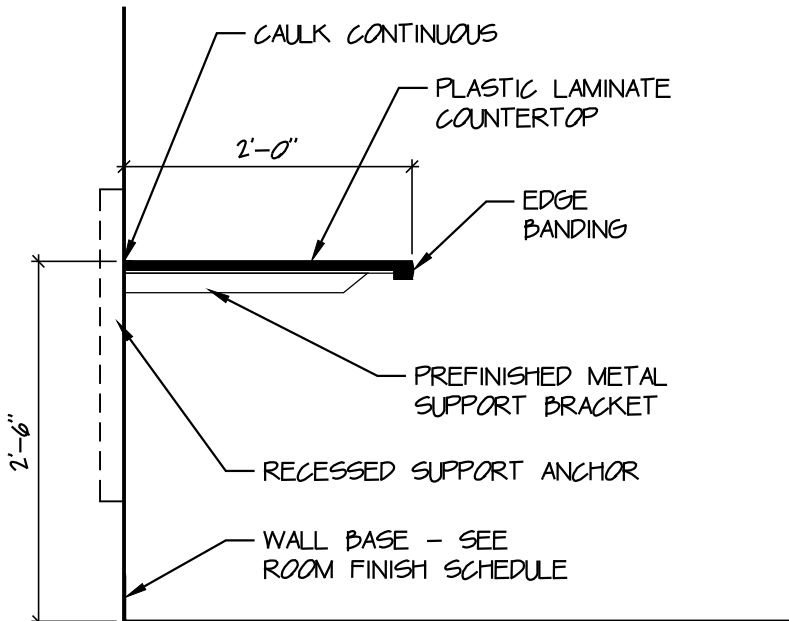
SCALE: 1/4" = 1'-0"

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A|3



RESTROOM - 118

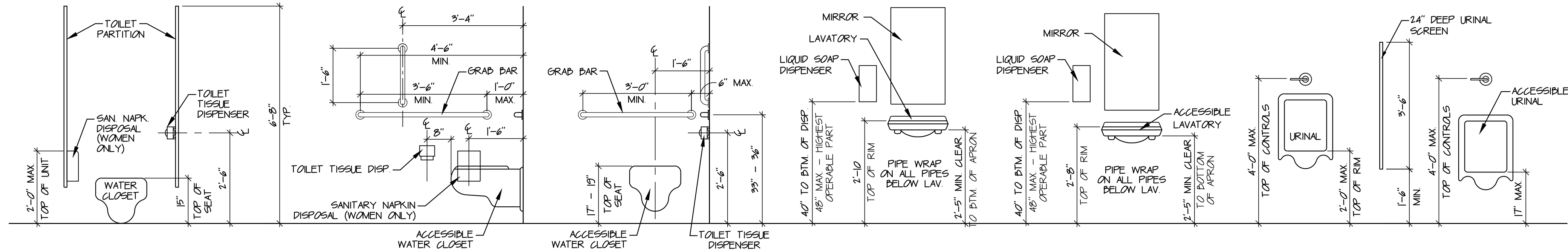
SCALE: 1/4" = 1'-0"



TYP. WORK SURFACE

SCALE: 3/4" = 1'-0"

1
A|3



TYPICAL ACCESSORY & FIXTURE MOUNTING HEIGHTS

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

DRAWING NOTES

- FLOOR MOUNTED ADA WATER CLOSET - SEE PLUMBING DRAWINGS
- FLOOR MOUNTED WATER CLOSET - SEE PLUMBING DRAWINGS
- WALL MOUNTED ADA URINAL - SEE PLUMBING DRAWINGS
- WALL MOUNTED URINAL - SEE PLUMBING DRAWINGS
- WALL MOUNTED ADA SINK - SEE PLUMBING DRAWINGS
- MIRROR CENTERED OVER SINK
- GRANITE COUNTERTOP WITH UNDERMOUNT SINK - SEE PLUMBING DRAWINGS AND SECTION / DETAILS
- FLOOR/WALL MOUNTED HOPE TOILET PARTITION
- WALL MOUNTED HOPE URINAL SCREEN
- LIQUID SOAP DISPENSER AT EACH SINK - BY OWNER
- GRAB BAR (TYP) - SEE RESTROOM NOTES
- TOILET TISSUE DISPENSER AT EACH STALL - BY OWNER
- DRINKING FOUNTAIN - SEE PLUMBING DRAWINGS
- REQUIRED 5'-0" ADA TURNING RADIUS
- REQUIRED 30" X 48" ADA APPROACH CLEARANCE AT SINK
- REQUIRED 56" X 60" ADA CLEARANCE AT WATER CLOSET
- REQUIRED 30" X 48" ADA APPROACH CLEARANCE AT URINAL
- 3'-0" X 4'-6" SHOWER - SEE PLUMBING DRAWINGS
- TEMPERED GLASS SHOWER DOOR
- WALL MOUNTED ELECTRIC HAND DRYER
- MOP SINK - SEE PLUMBING DRAWINGS
- GAS FIREPLACE BY OWNER - SEE MECHANICAL DRAWINGS
- TERRAZZO CORNER WASHFOUNTAIN WITH FOOT CONTROLS - BASIS OF DESIGN: BRADLEY CORPORATION "MODEL WF1613"
- FRP PANELS FROM EPOXY BASE UP TO 6'-0" AFF. - ALL WALLS
- ALUMINUM DOOR AND SIDELITE - SEE SCHEDULE
- INFILL OPENING WITH METAL STUDS AND GYPSUM BOARD - ALIGN WITH EXISTING ADJACENT SURFACES - BOTH SIDES
- SHELVING AND MOP HOLDER
- STAINLESS STEEL COAT BAR AND SHELF
- BASE - SEE FINISH SCHEDULE
- CERAMIC TILE - SEE FINISH LEGEND
- BASE CABINET
- PROVIDE SOUND ATTENUATION BATTS AT POCKET DOOR
- 4'-6"W x 3'-6"H MIRROR CENTERED OVER SINK
- 12"W x 12"H x 4"D CERAMIC TILE SOAP SHELF - SILL AT 3'-4" AFF.

RESTROOM NOTES

- THE FOLLOWING FIXTURES AND ACCESSORIES SHALL BE INSTALLED IN RESTROOMS IN THE LOCATIONS SHOWN ON THE ENLARGED PLAN ABOVE OR DESCRIBED BELOW.
 - INSTALL GRAB BARS PER ACCESSIBLE WATER CLOSET MOUNTED BETWEEN 33" AFF. AND 36" AFF. IN LOCATIONS SHOWN BELOW.

ACCESSORY ABBREVIATIONS
H/WC HANDICAP WATER CLOSET
WC WATER CLOSET
H/LR HANDICAP WALL MOUNTED URINAL
LR WALL MOUNTED URINAL
GB-1 36" GRAB BAR
GB-2 40" GRAB BAR
TPD TOILET PAPER DISPENSER
 - INSTALL FLOOR MOUNTED ADA WATER CLOSETS - MOUNT WATER CLOSETS BETWEEN 17" AND 19" AFF. MEASURED TO THE TOP OF TOILET SEAT
 - INSTALL FLOOR MOUNTED WATER CLOSETS - MOUNT AT 15" AFF. MEASURED TO THE TOP OF TOILET SEAT
 - INSTALL WALL MOUNTED ADA URINALS - MOUNT SO RIM OF URINAL IS AT 1'-5" AFF. - FLUSH CONTROL SHALL BE NO HIGHER THAN 4'-0" AFF.
 - INSTALL WALL MOUNTED URINALS - MOUNT SO RIM OF URINAL IS AT 2'-0" AFF.
 - INSTALL SOLID SURFACE COUNTERTOP WITH UNDERMOUNT SINKS AS SHOWN ON PLANS - TOP OF COUNTERTOP SHALL BE 2'-10" AFF. MAXIMUM - MAINTAIN 2'-5" (MINIMUM) CLEARANCE FROM BOTTOM OF APRON TO FINISHED FLOOR. PROVIDE 4" SIDESPLASHES AND BACKSLASH - PROVIDE INTERMEDIATE SUPPORTS FOR COUNTERTOP AS REQUIRED WITHOUT INTERFERING WITH THE REQUIRED CLEAR ACCESSIBLE FLOOR SPACE REQUIRED FOR LAVATORY
 - PROVIDE WOOD BLOCKING FOR TOILET PAPER DISPENSER AT EACH WATER CLOSET - CENTERLINE OF UNIT TO BE 8" FROM FRONT EDGE OF TOILET AND AT A HEIGHT OF 2'-6" AFF.
 - INSTALL WALL MOUNTED ELECTRIC HAND DRYER - MOUNT SO THAT CONTROLS ARE AT A MAXIMUM HEIGHT OF 4'-0" AFF.
 - PROVIDE WOOD BLOCKING FOR FEMININE NAPKIN DISPOSAL UNIT AT EACH WATER CLOSET STALL IN WOMEN'S RESTROOMS WITH TOP OF UNIT AT 2'-0" AFF.
- WOOD BLOCKING SHALL BE PROVIDED FOR ALL WALL MOUNTED RESTROOM ACCESSORIES
- SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION
- SEE A13 FOR WALL TYPES AND A61 FOR ROOM FINISH SCHEDULE FOR FINISHES
- CONFIRM MOUNTING HEIGHTS AND LOCATIONS WITH OWNER / ARCHITECT IN FIELD PRIOR TO INSTALLATION

mSP

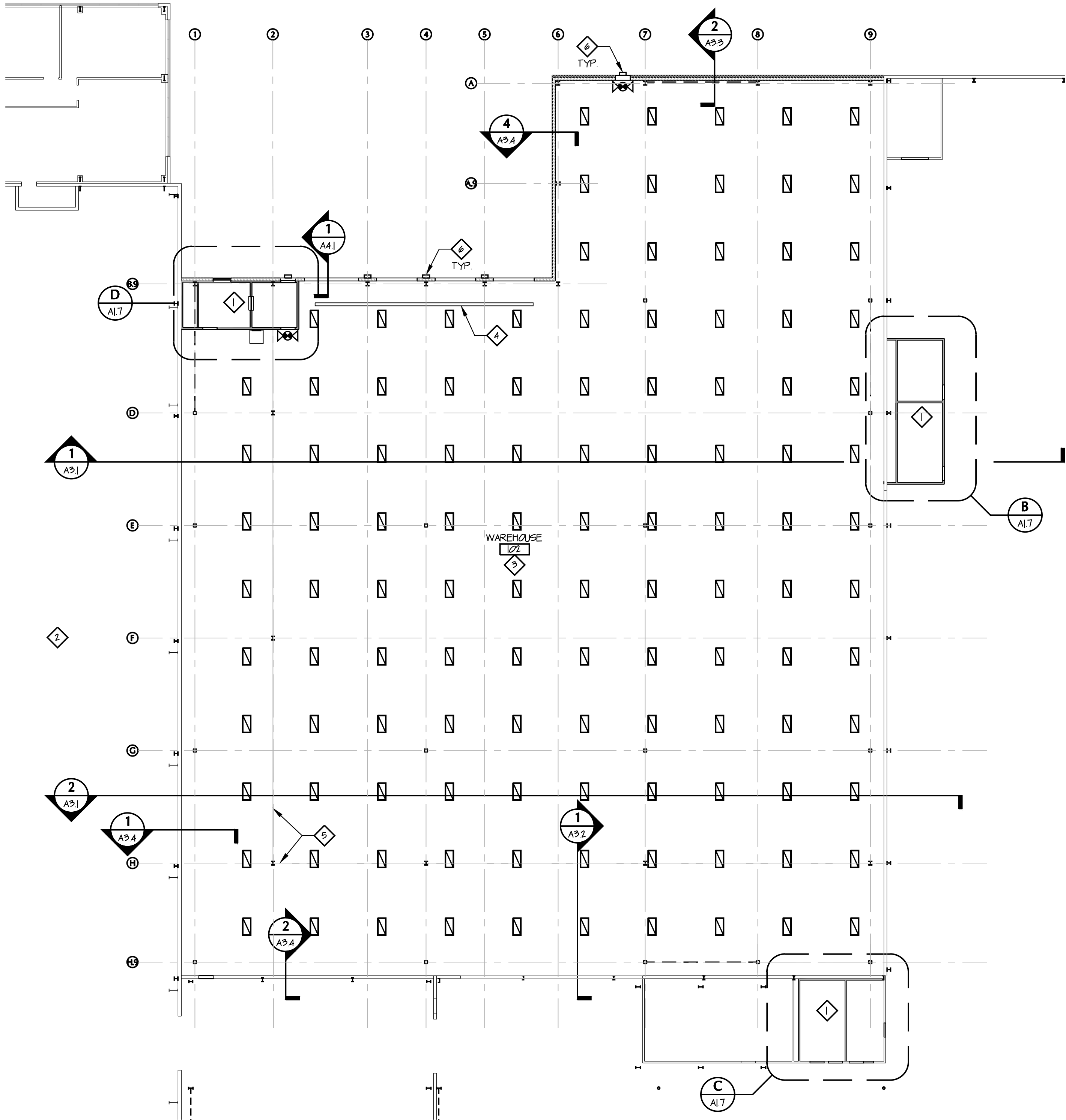
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RENOVATIONS AND ADDITIONS
FOR
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Sheet Title	
ENLARGED RESTROOM PLANS	
Project No.	9733333
Scale	AS NOTED
Sheet No.	A14
File No.	97333 33



REFLECTED CEILING PLAN – INFILL BUILDING ADDITION

SCALE: 1/16" = 1'-0"

GENERAL NOTES

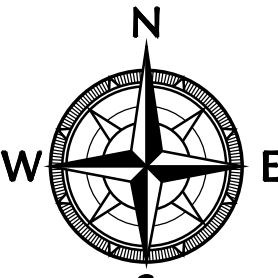
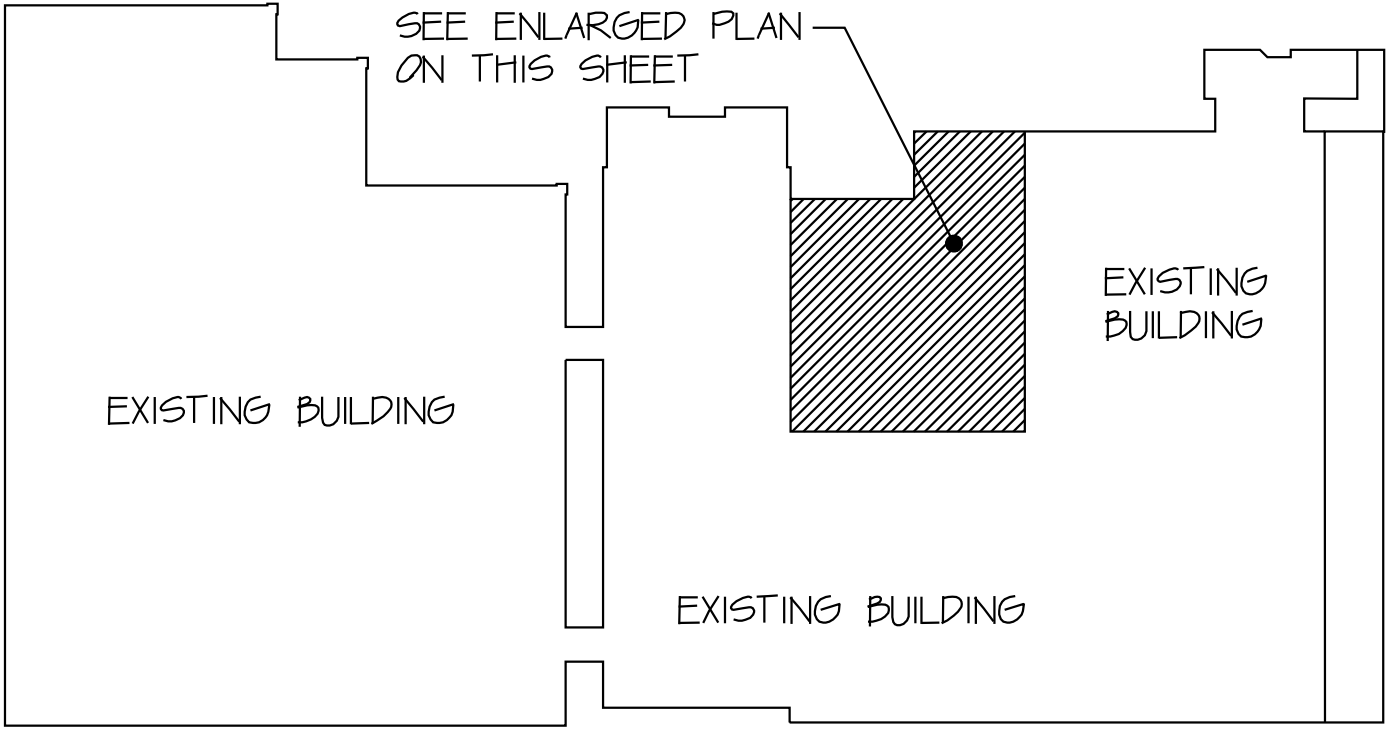
- SEE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- CONTRACTOR SHALL PROVIDE COORDINATION DRAWINGS AND MEETINGS AS REQUIRED TO PROPERLY COORDINATE CEILING HEIGHTS, CLEARANCES, DUCT, PIPING, LIGHTING AND ALL AFFECTED TRADES IN FIELD.

DRAWING NOTES

- SEE REFERENCED SHEET FOR LIGHTING AND CEILINGS IN THIS AREA.
- NO WORK IN THIS AREA.
- EXPOSED STRUCTURE.
- GAS-FIRED HEATER – SEE MEP DRAWINGS.
- LOCATION OF ROOF STEP – SEE SECTION 1/A9.1.
- EXTERIOR WALL-MOUNTED LIGHT FIXTURE – SEE ELECTRICAL DRAWINGS.

SYMBOL LEGEND

- 2'-0" x 4'-0" LIGHT FIXTURE – SEE ELECTRICAL DRAWINGS.
- ILLUMINATED EMERGENCY EGRESS SIGN AND EMERGENCY LIGHTS – SEE ELECTRICAL DRAWINGS.



mSP

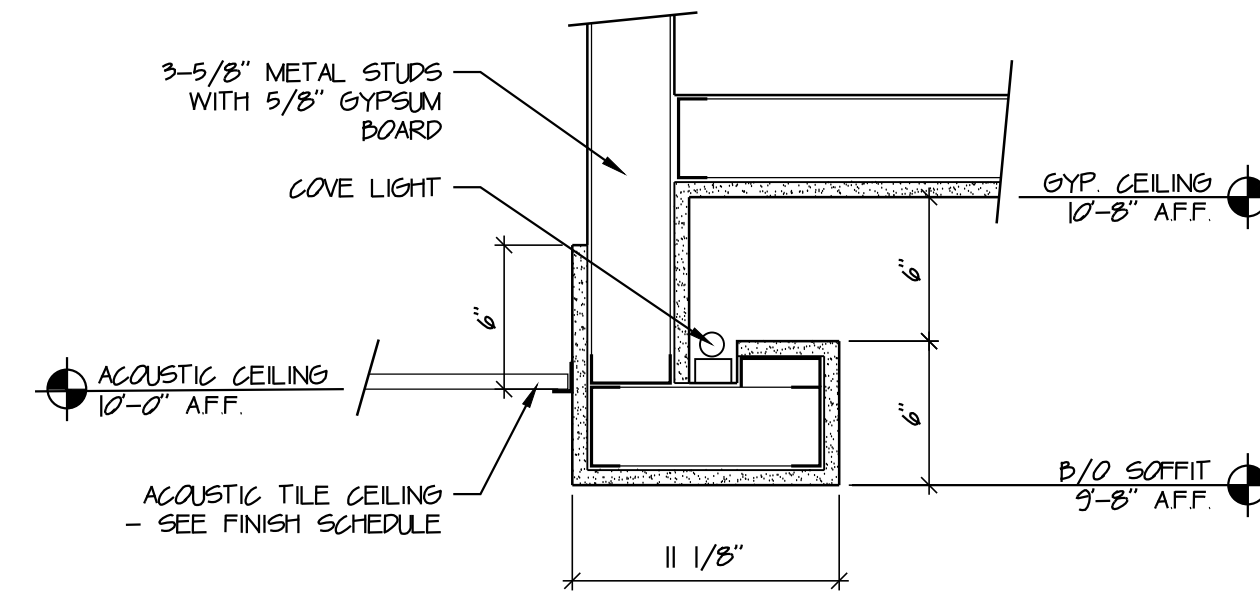
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Sheet Title	REFLECTED CEILING PLANS – INFILL BUILDING ADDITION		
Project No.	97333.33		
Scale	AS NOTED		
Sheet No.	A15		
File No.	97333 33		

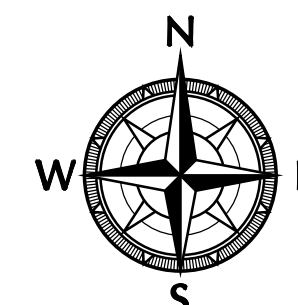
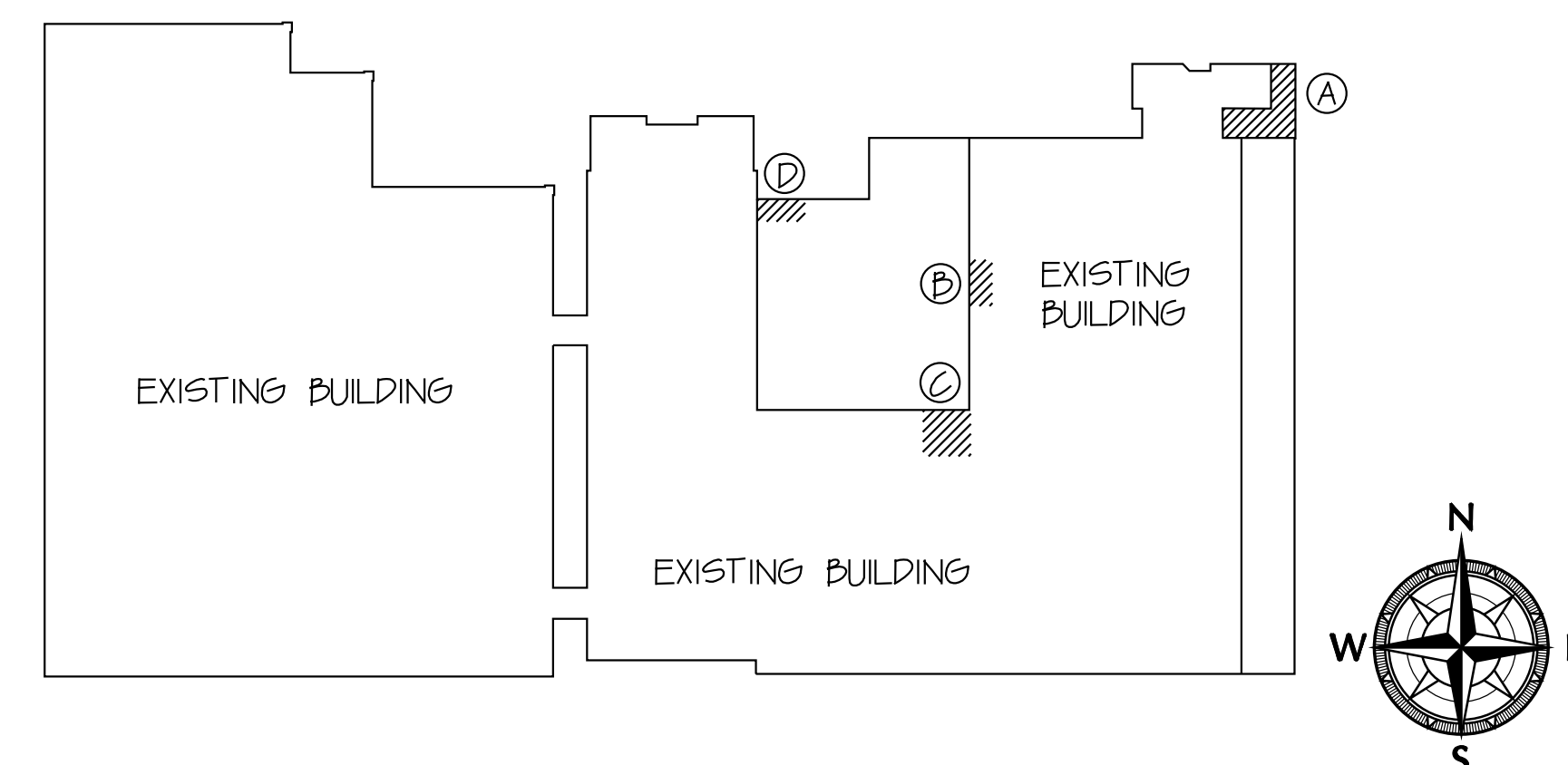
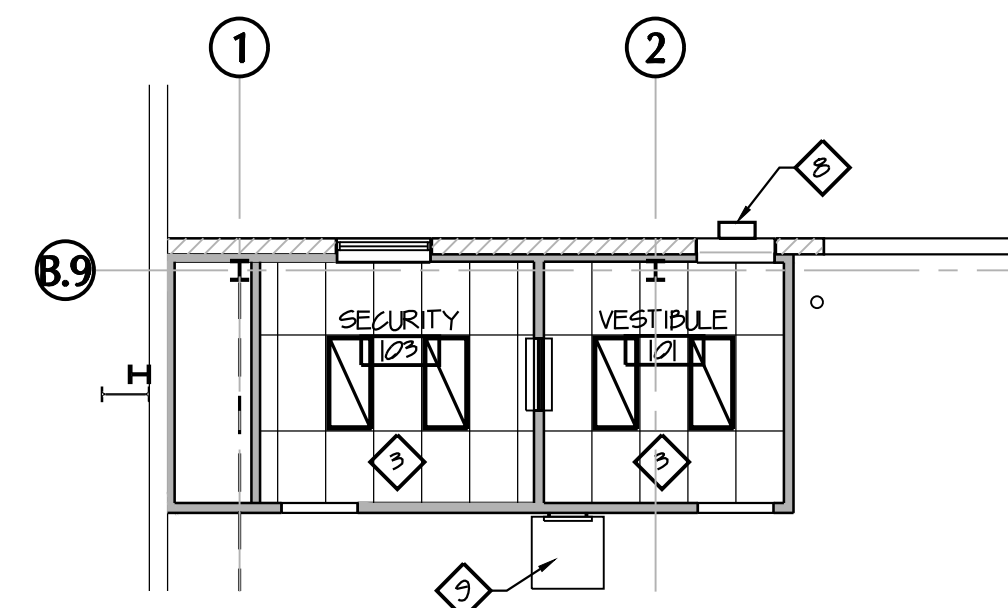
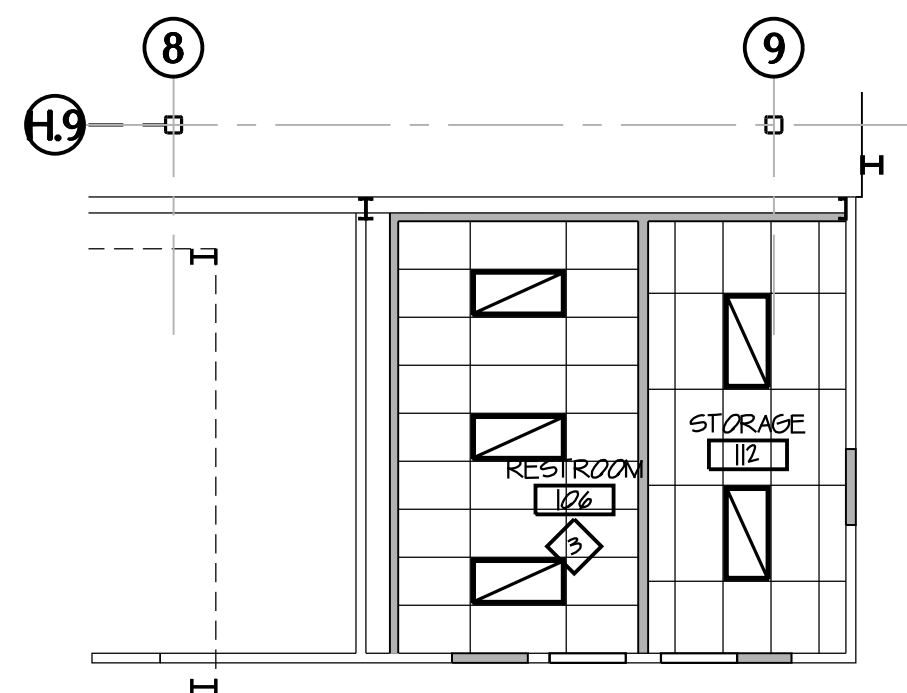
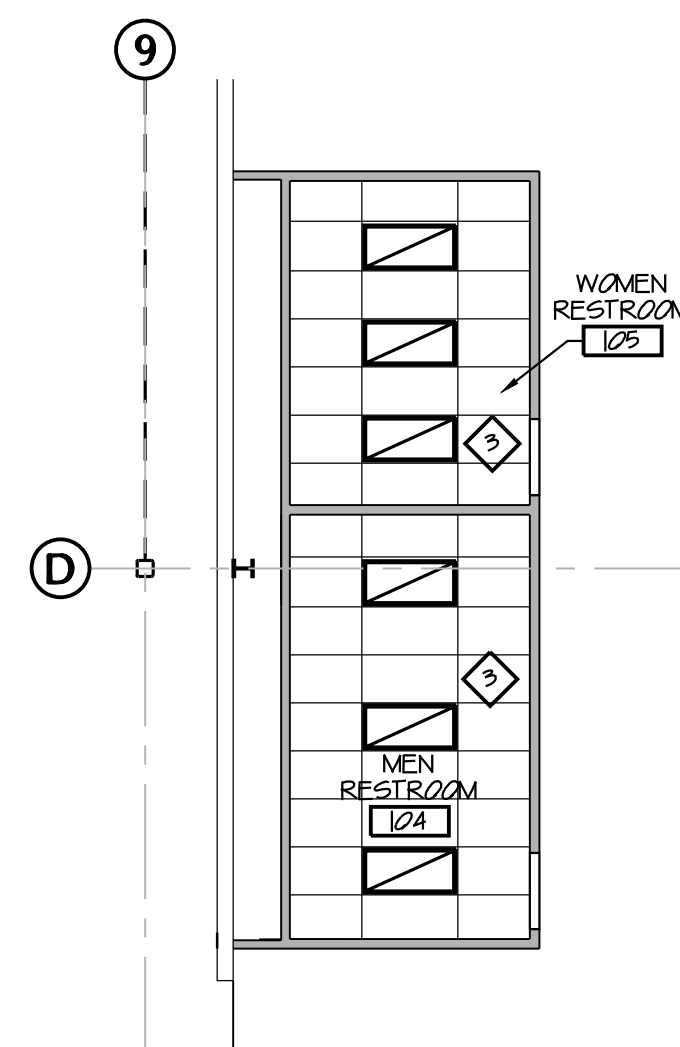


GENERAL NOTES

DRAWING NOTES

BULKHEAD LEGEND

SYMBOL LEGEND



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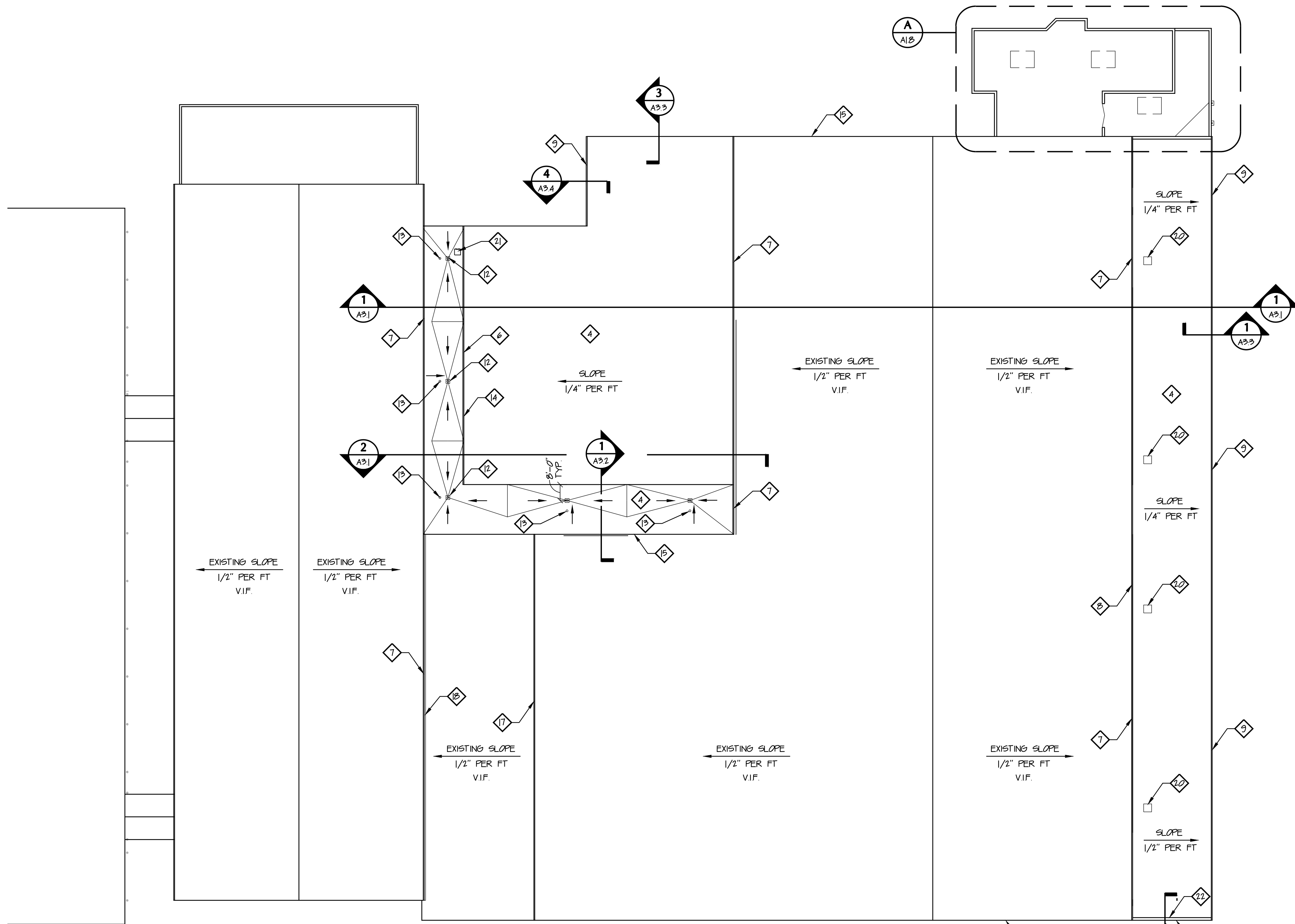
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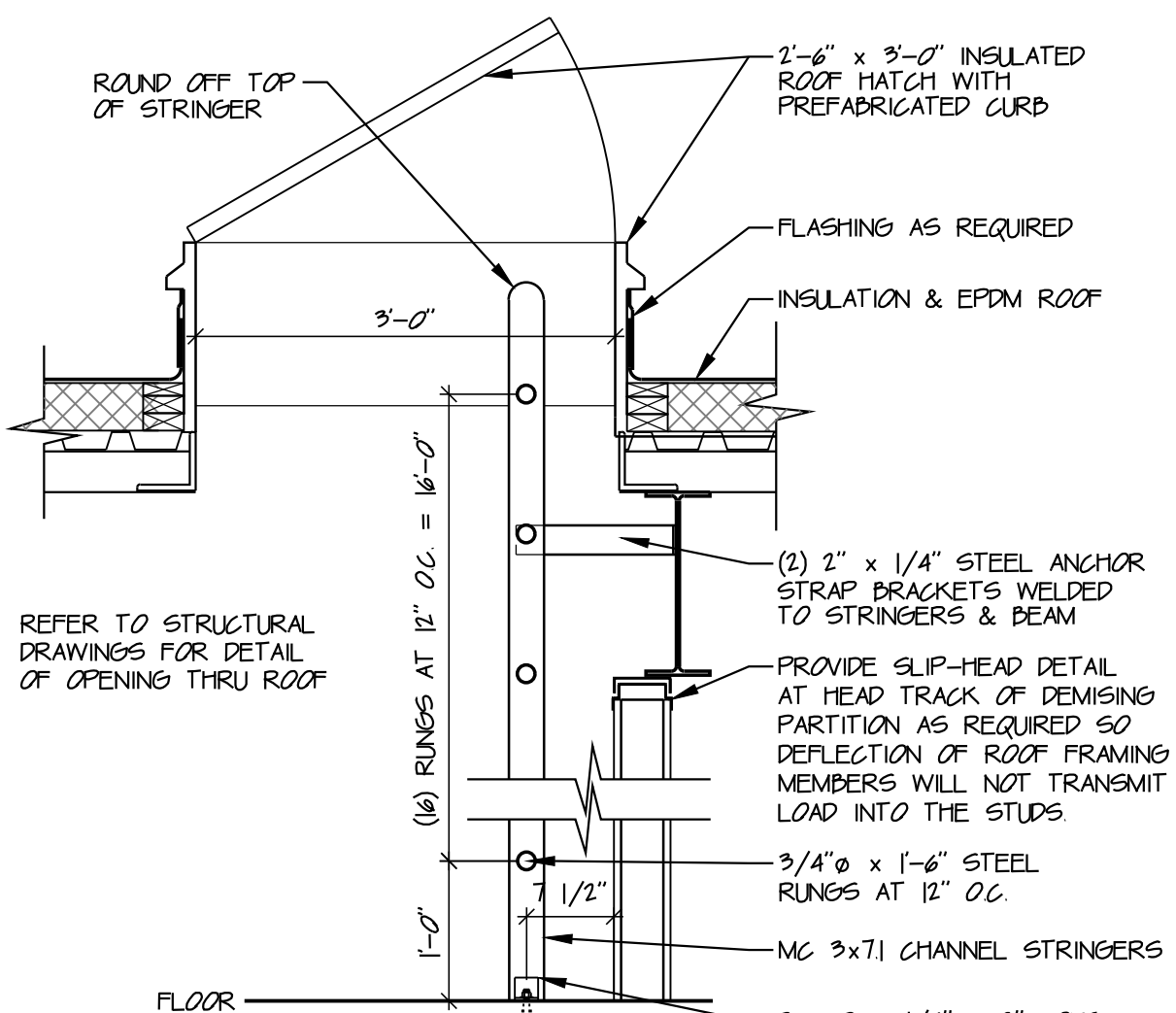
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Project No.	97333.33
Scale	AS NOTED
Sheet No.	A1.7
File No.	97333 33

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ENLARGED ROOF PLAN

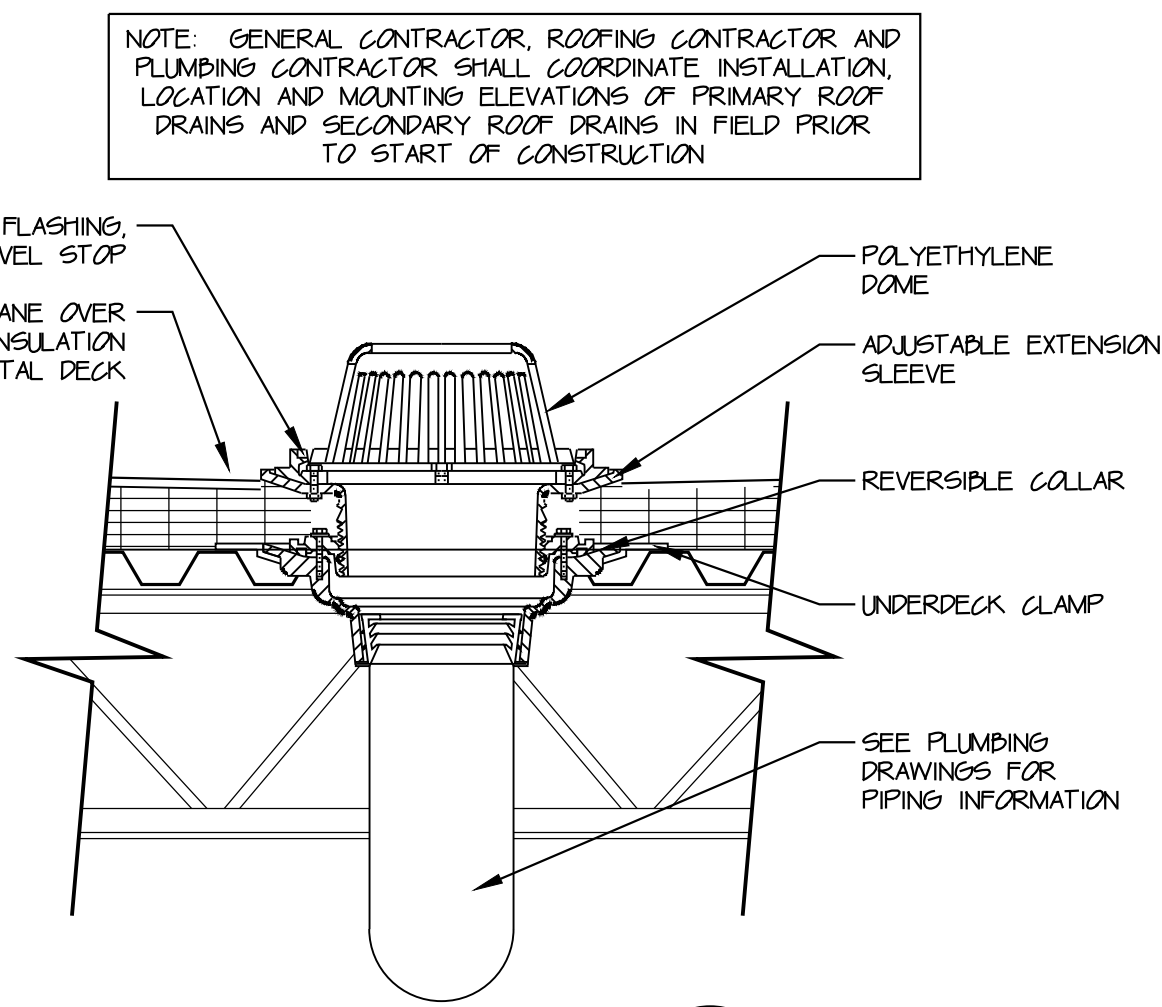
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DETAIL

SCALE: 3/4" = 1'-0"

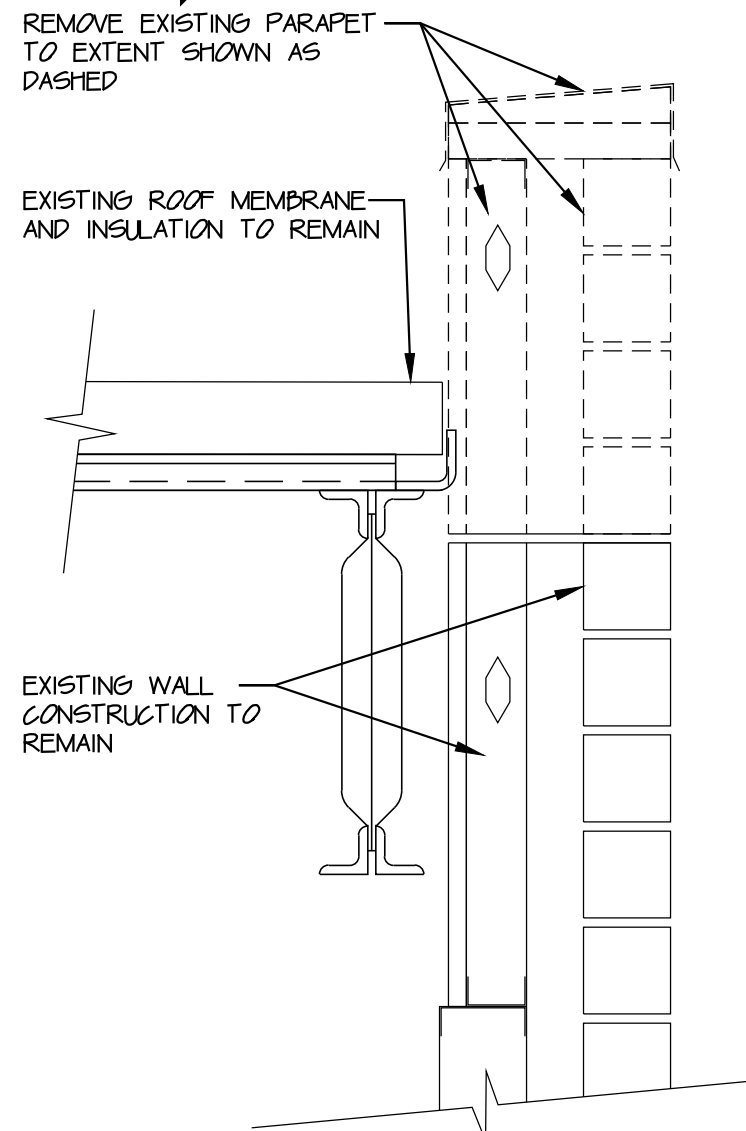
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DETAIL

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

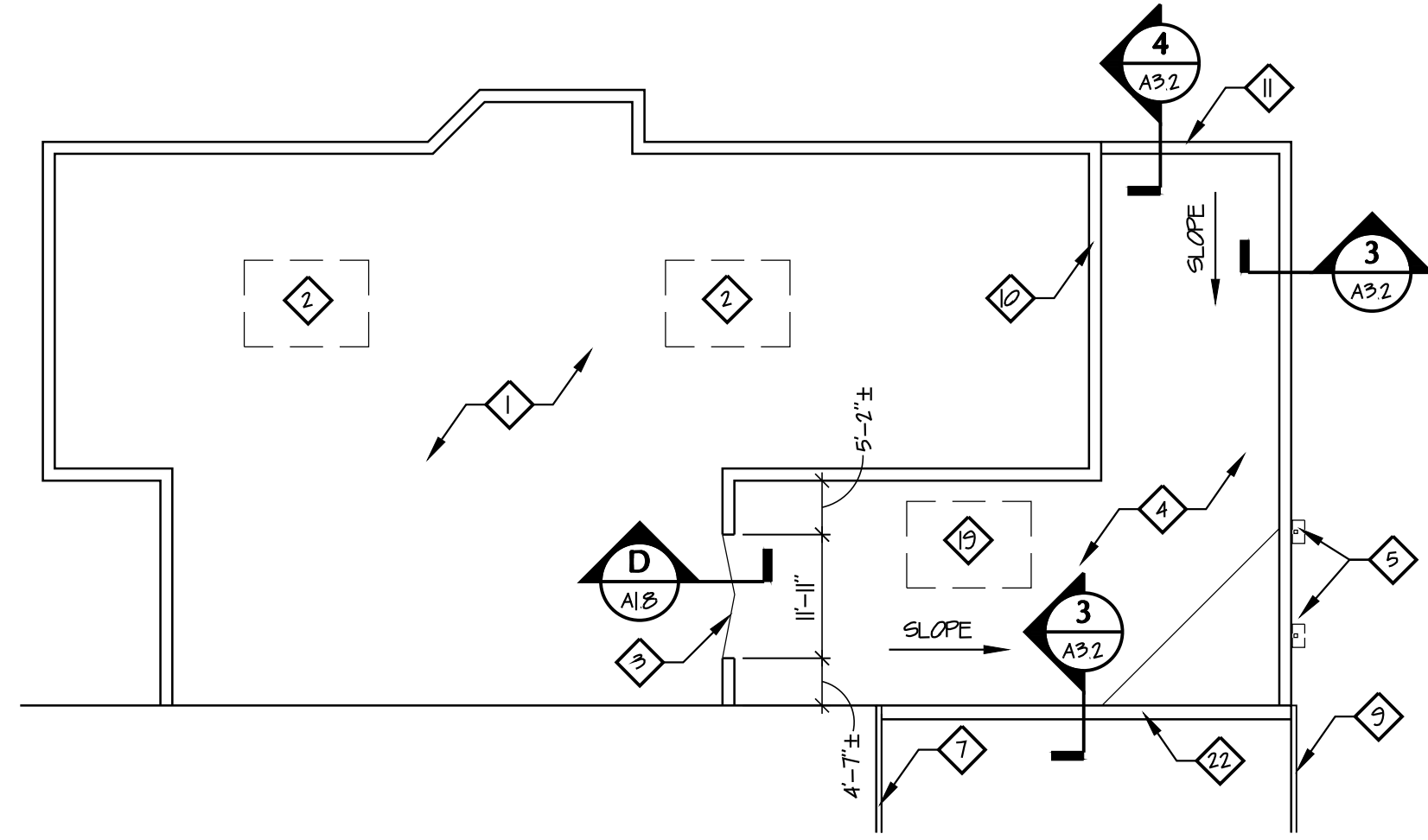
C
A3.2



SECTION AT ROOF TIE-IN

SCALE: 3/4" = 1'-0"

D
A1.8



ENLARGED ROOF PLAN

SCALE: 1/16" = 1'-0"

A
A1.8

DRAWING NOTES

- EXISTING EPDM ROOF TO REMAIN
- EXISTING ROOF TOP UNIT TO REMAIN
- TIE-IN BETWEEN NEW AND EXISTING EPDM ROOF
- NEW EPDM ROOF - WHITE - 60 MIL OVER 4" RIGID INSULATION ON METAL DECK - SEE STRUCTURAL DRAWINGS
- NEW SCUPPER BOXES AND DOWNSPOUTS
- ROOF STEP - CONTINUOUS 6" GUTTER WITH DOWNSPOUTS AT 20'-0" O.C. MAX. OUT-FLOW ONTO LOW ROOF BELOW
- EXISTING GUTTER TO REMAIN - REPAIR OR REPLACE ANY DAMAGED OR DEFECTIVE GUTTER - COMPLETELY REMOVE EXISTING DOWNSPOUTS - PROVIDE NEW DOWNSPOUTS AS REQUIRED - TERMINATE ONTO NEW ROOF - EXTEND AWAY FROM WALL MIN 24"
- VERTICAL STEP BETWEEN EXISTING ROOF AND NEW ROOF - SEE SECTIONS
- NEW 6" CONTINUOUS PRE-FINISHED ALUMINUM GUTTER - PROVIDE DOWNSPOUTS AT 25'-0" HORIZONTAL O.C. MAX.
- EXISTING PARAPET WALL TO REMAIN - SEE DETAILS
- EXHAUST FAN - SEE MECHANICAL DRAWINGS
- ROOF DRAIN - SEE DETAIL C/A1.8 AND PLUMBING DRAWINGS
- OVERFLOW DRAIN
- BUILT-UP INSULATION CRICKET AS REQUIRED
- EXISTING RAKE TRIM TO REMAIN
- NEW RAKE TRIM AT ROOF - SEE SECTIONS
- COMPLETELY REMOVE EXISTING GUTTER - PROVIDE NEW GUTTER TO MATCH AND REVERSE SLOPE SO THAT WATER IS DIRECTED TO THE SOUTH - PROVIDE NEW DOWNSPOUT AT SOUTH END OF BUILDING AND DAYLIGHT WATER ONTO NEW RIP-RAP AND SWALE - SEE CIVIL DRAWINGS - PROVIDE FLASHING AS REQUIRED AT NEW GUTTER AND EXISTING ROOF FASCIA TO REMAIN
- EXISTING ROOF TRENCH TO REMAIN
- CHILLERS - SEE MECHANICAL DRAWINGS
- NEW ROOF EXHAUST VENTS - SEE MECHANICAL DRAWINGS
- ROOF HATCH - SEE DETAIL D ON THIS SHEET
- NEW PARAPET WALL - SEE SECTION 3/A3.2



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RENOVATIONS AND ADDITIONS

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WEST CHESTER, OHIO 45069

Sheet Title

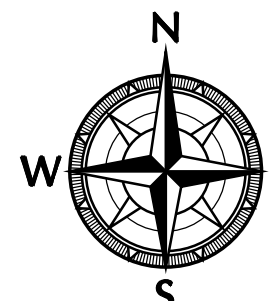
ENLARGED ROOF PLAN

Project No. 97333.33

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Sheet No. A1.8

File No. 97333 33





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RENOVATIONS AND ADDITIONS

FOR

Republic Wire

UNION CENTRE DRIVE
WEST CHESTER, OHIO 45069

Sheet Title

BUILDING ELEVATIONS

Project No. 97333.33

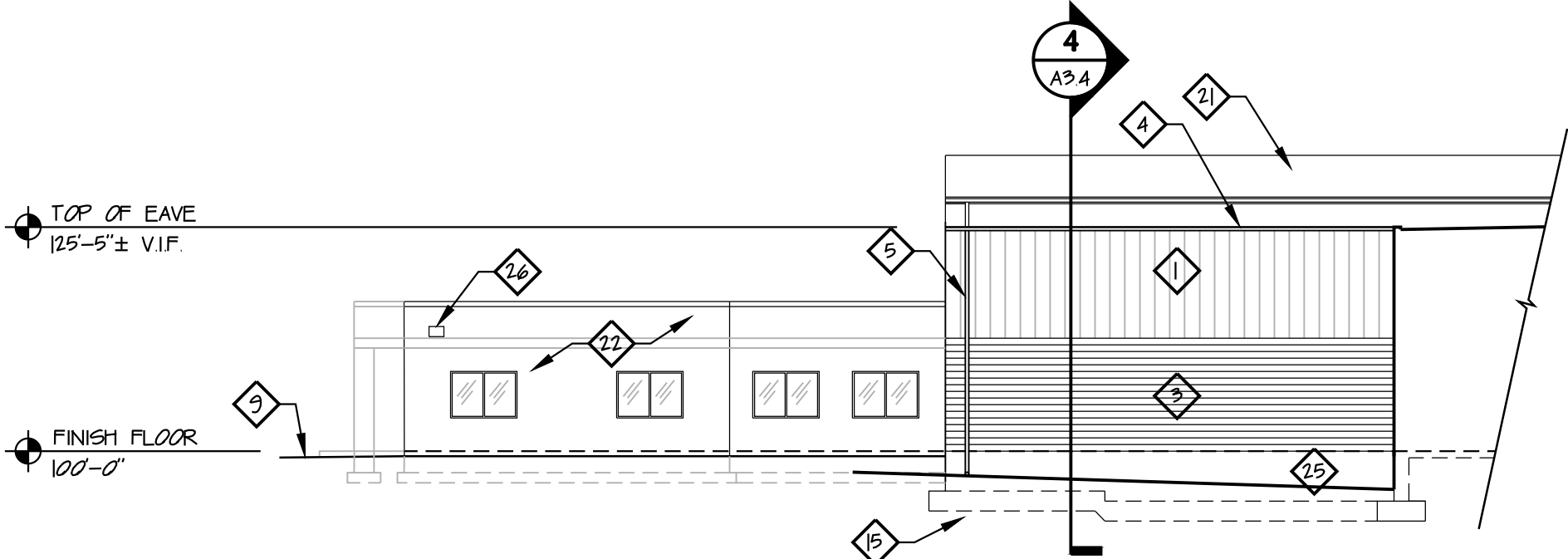
Scale AS NOTED

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File No. 97333 33

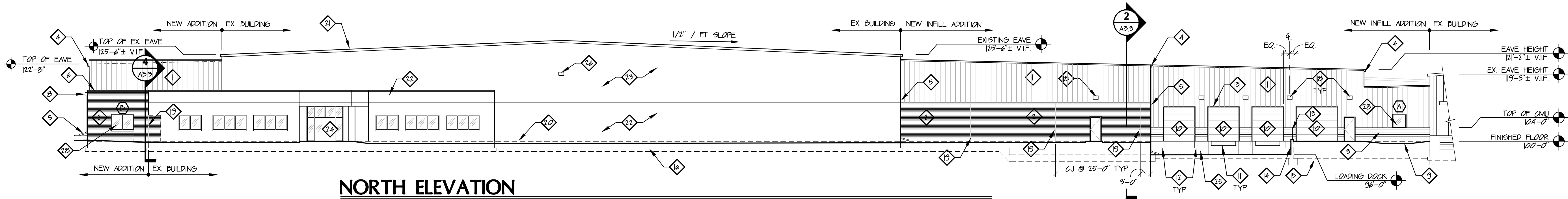
DRAWING NOTES

- 1 NEW VERTICAL RIBBED METAL WALL PANEL TO MATCH EXISTING
- 2 NEW 12"W x 4"H UTILITY BRICK TO MATCH EXISTING ADJACENT BRICK IN COLOR, SIZE, AND TEXTURE
- 3 NEW CMU
- 4 NEW PREFINISHED METAL GUTTER
- 5 NEW 4"x6" PREFINISHED METAL DOWNSPOUT WITH 24" EXTENSION TO CONCRETE SPLASHBLOCK
- 6 NEW PREFINISHED METAL COPING
- 7 NEW EPDM ROOF
- 8 NEW METAL SCUPPER AND DOWNSPOUT
- 9 FINISH GRADE
- 10 NEW SECTIONAL OVERHEAD DOOR
- 11 NEW DOCK LEVELER
- 12 NEW DOCK BUMPERS
- 13 NEW METAL GUARDRAIL
- 14 NEW CONCRETE RETAINING WALL
- 15 NEW CONTINUOUS CONCRETE FOOTING - SEE STRUCTURAL DRAWINGS
- 16 EXISTING CONCRETE FOOTING - SEE STRUCTURAL DRAWINGS
- 17 NEW LOUVER - SEE MECHANICAL DRAWINGS
- 18 NEW SURFACE-MOUNTED LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS
- 19 CONTROL JOINT
- 20 FINISH FLOOR SHOWN AS DASHED
- 21 EXISTING METAL ROOF TO REMAIN
- 22 EXISTING UTILITY BRICK TO REMAIN
- 23 EXISTING VERTICAL METAL WALL PANEL TO REMAIN
- 24 EXISTING STOREFRONT TO REMAIN
- 25 NEW CONCRETE FOUNDATION WALL
- 26 EXISTING SURFACE-MOUNTED LIGHT FIXTURE TO REMAIN
- 27 3 HOUR RATED DOOR
- 28 ALUMINUM FRAME WINDOW



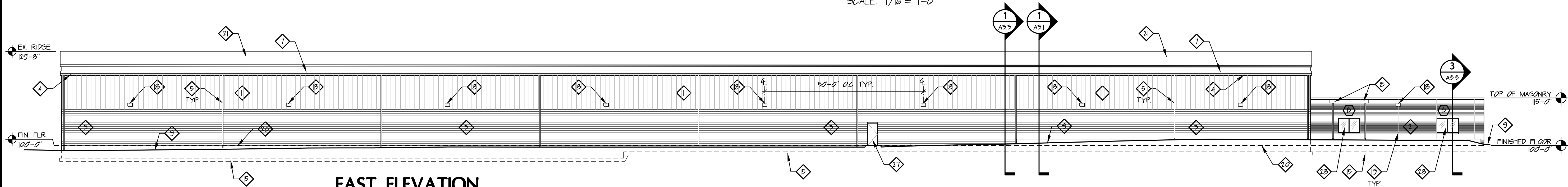
WEST ELEVATION

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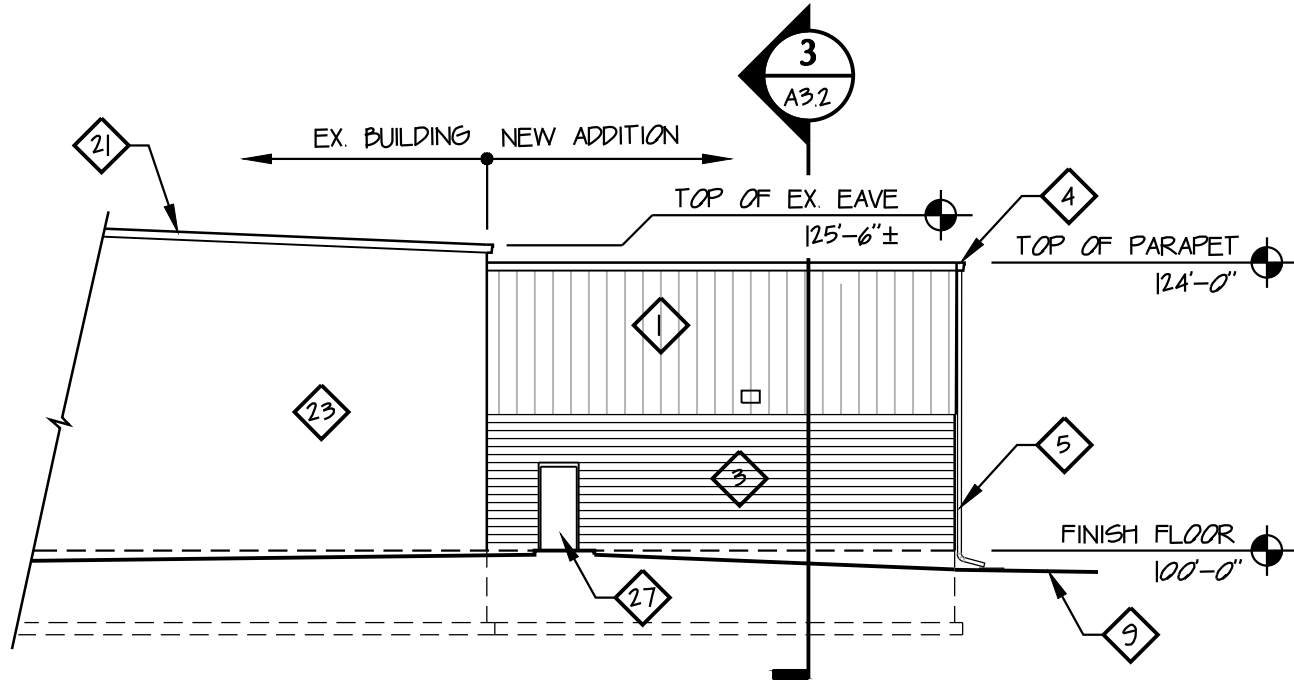
NORTH ELEVATION

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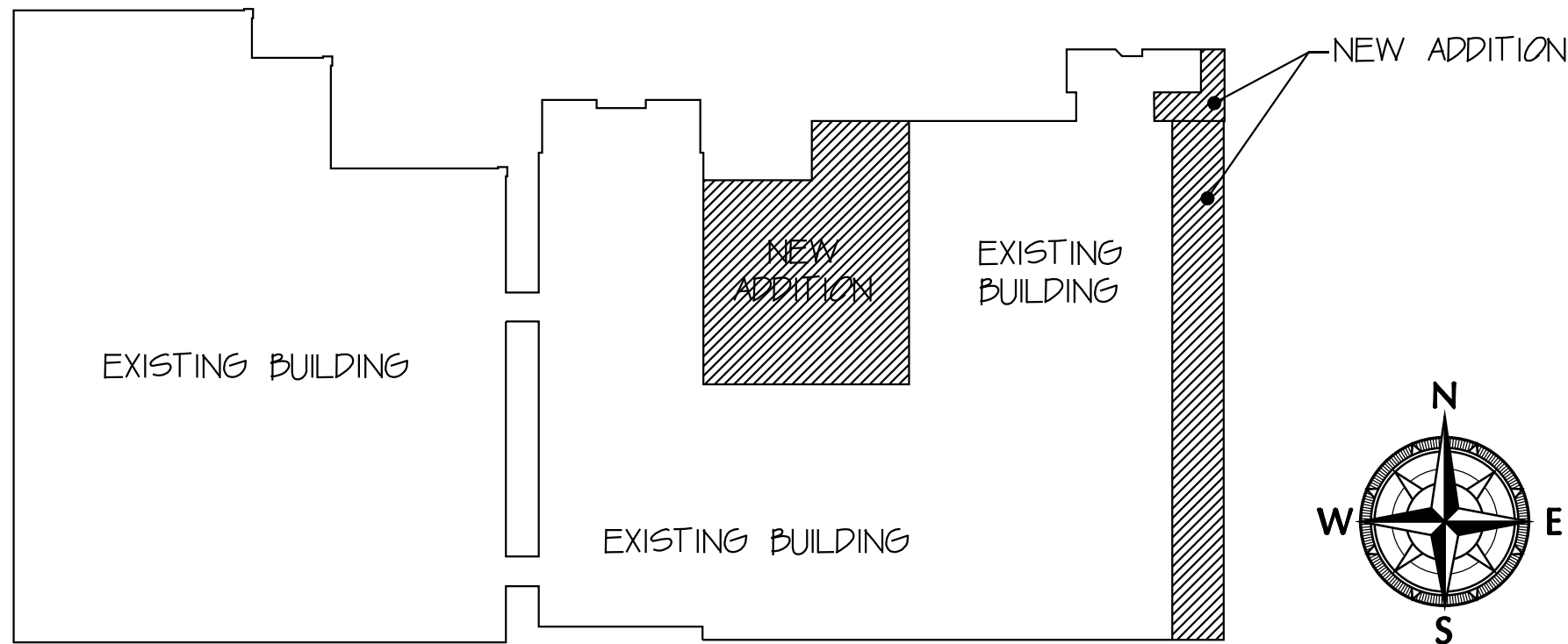
EAST ELEVATION

SCALE: 1/16" = 1'-0"

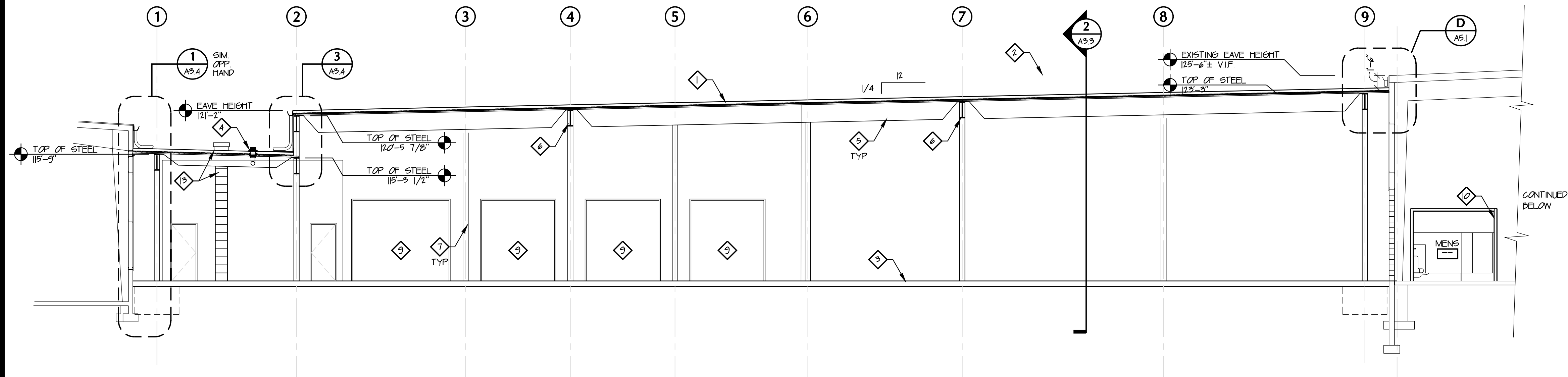


SOUTH ELEVATION

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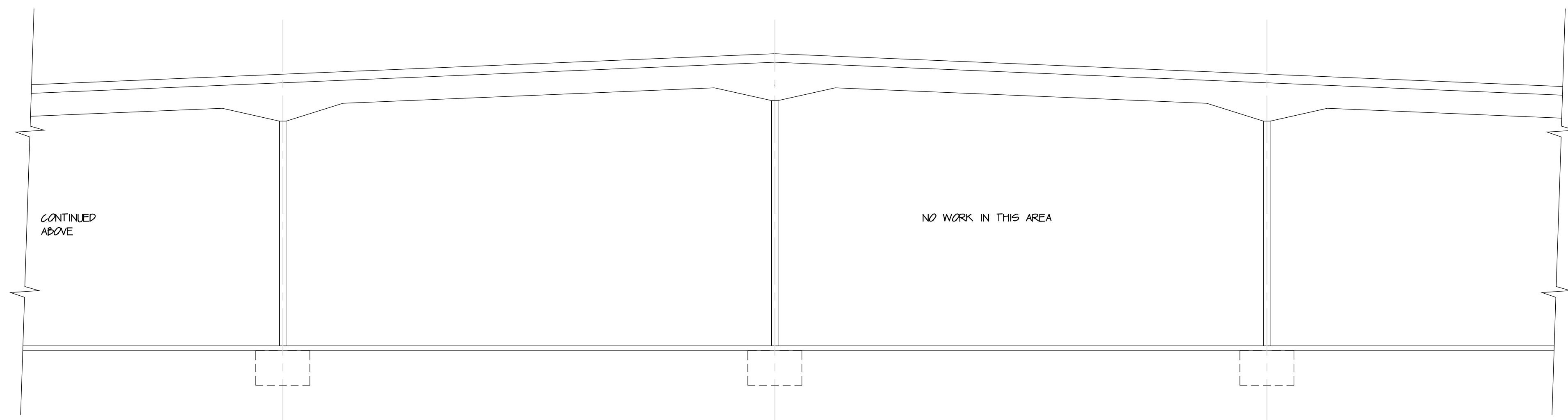


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DRAWING NOTES

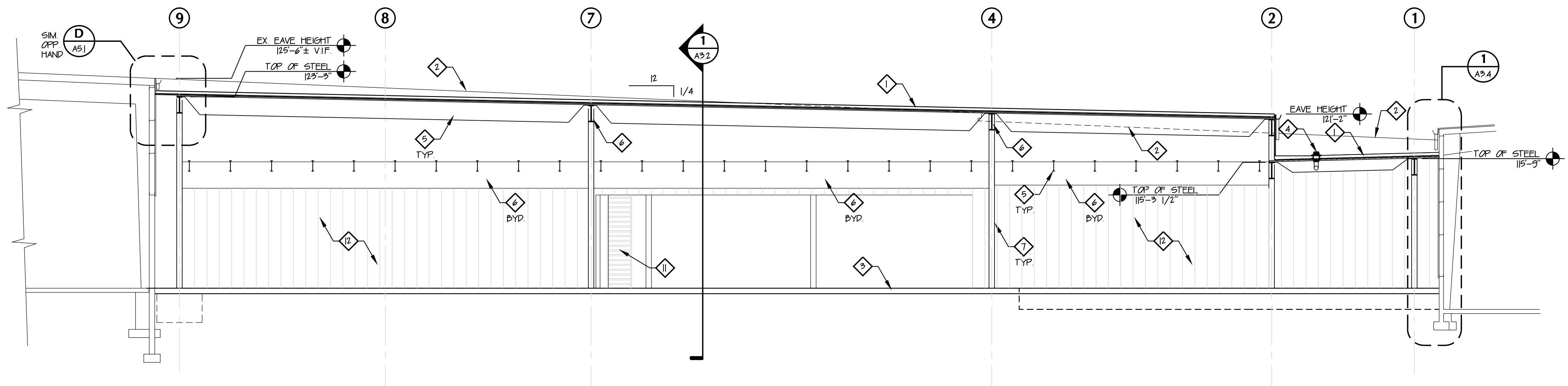
- 1 NEW EPDM ROOF - WHITE - 60 MIL OVER 4" RIGID INSULATION ON METAL DECK - SEE STRUCTURAL DRAWINGS
- 2 LINE OF EXISTING ROOF SHOWN BEYOND
- 3 CONCRETE SLAB ON GRADE - SEE STRUCTURAL DRAWINGS
- 4 ROOF DRAIN - SEE ROOF PLAN & DETAIL D ON SHEET A52
- 5 STEEL BAR JOISTS - SEE STRUCTURAL DRAWINGS
- 6 STEEL GIRDER - SEE STRUCTURAL DRAWINGS
- 7 STEEL COLUMN - SEE STRUCTURAL DRAWINGS
- 8 CONCRETE FOOTING - SEE STRUCTURAL DRAWINGS
- 9 SECTIONAL OVERHEAD DOORS BEYOND
- 10 GYPSUM BOARD WALL - SEE WALL TYPES ON SHEET A01
- 11 STAIRS AT MEZZANINE SHOWN BEYOND
- 12 METAL WALL PANEL AT EXISTING WALL SHOWN BEYOND
- 13 LADDER AND ROOF HATCH - SEE DETAIL C/A52
- 14 PARAPET SHOWN BEYOND



BUILDING SECTION

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

1
ALL



BUILDING SECTION

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

2
ALL



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Sheet Title

BUILDING SECTION

Project No. 97333.33

Scale AS NOTED

Sheet No. A3.1

File No. 97333 33

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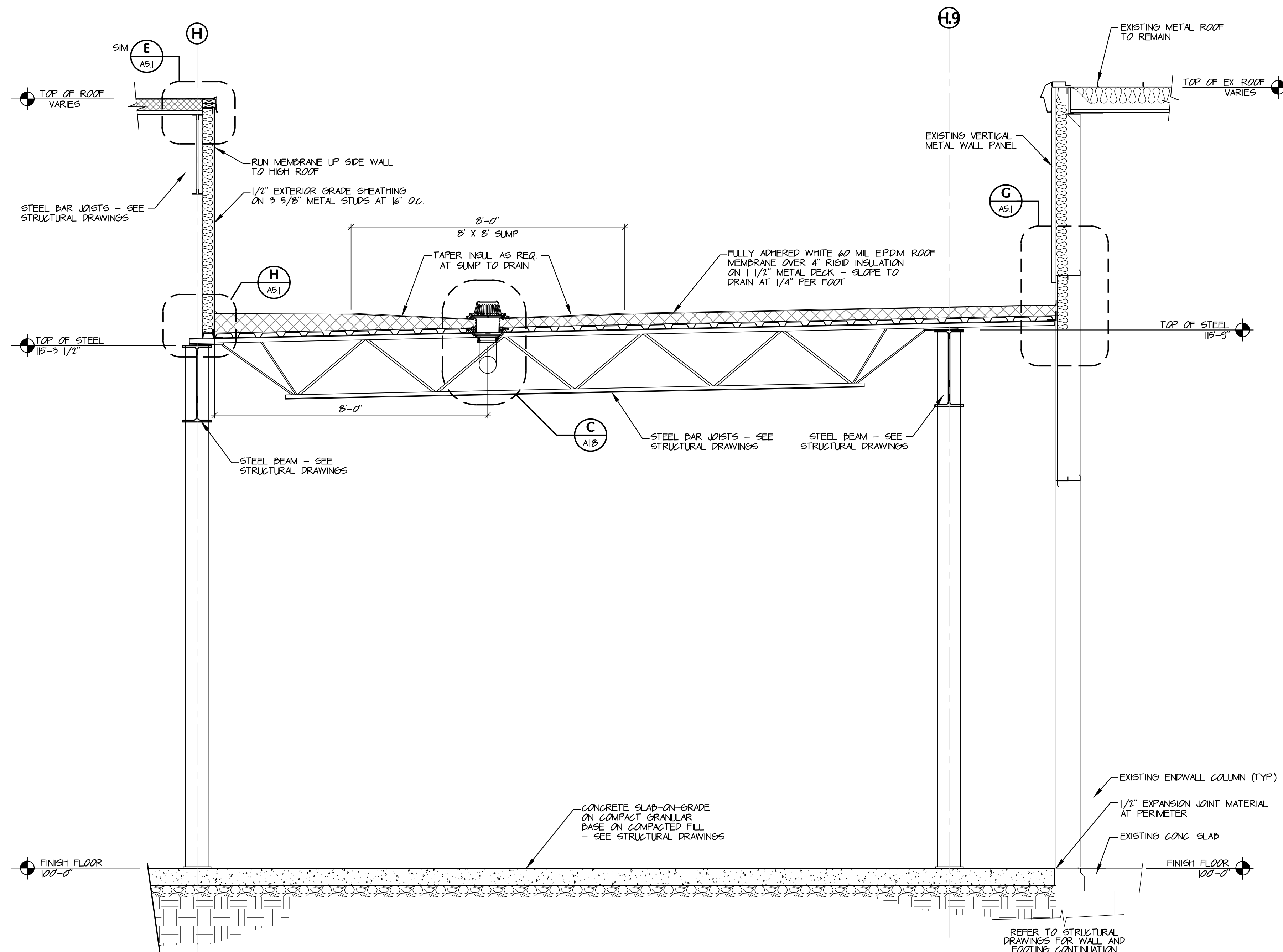
WALL SECTIONS

Project No.	97333.33
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Scale **AS NOTED**

Sheet No. A3.2

File No. 97333 33

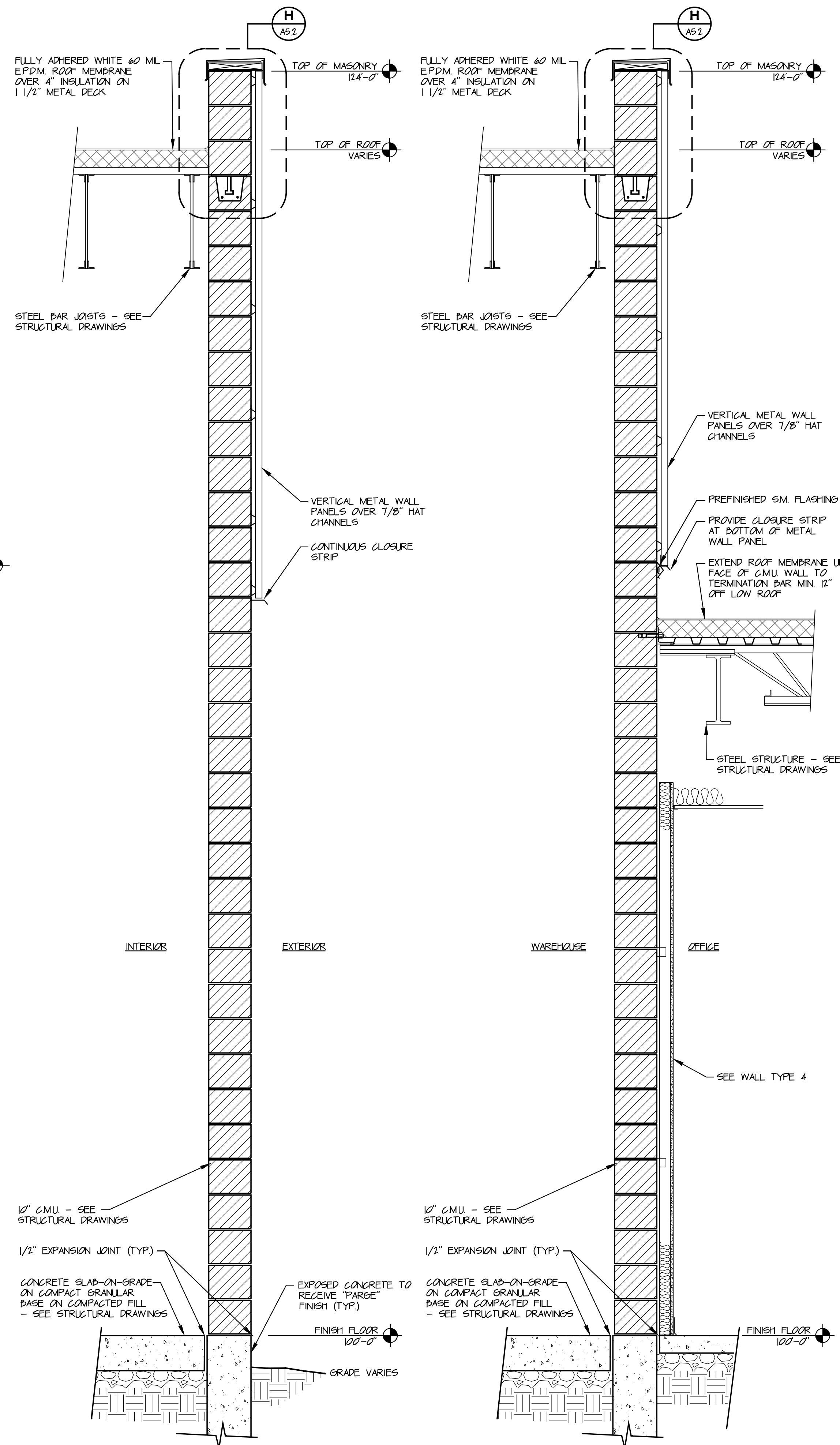


WALL SECTION

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

1

A|.



WALL SECTION

SCALE: $3/4" = 1'-0'$

2

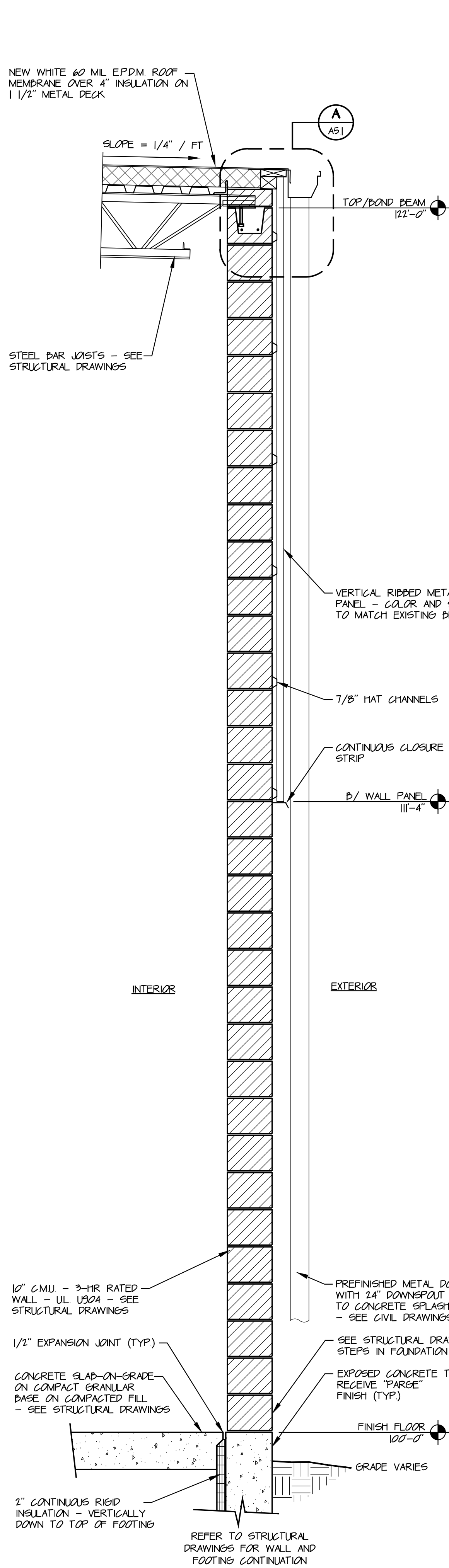
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WALL SECTION

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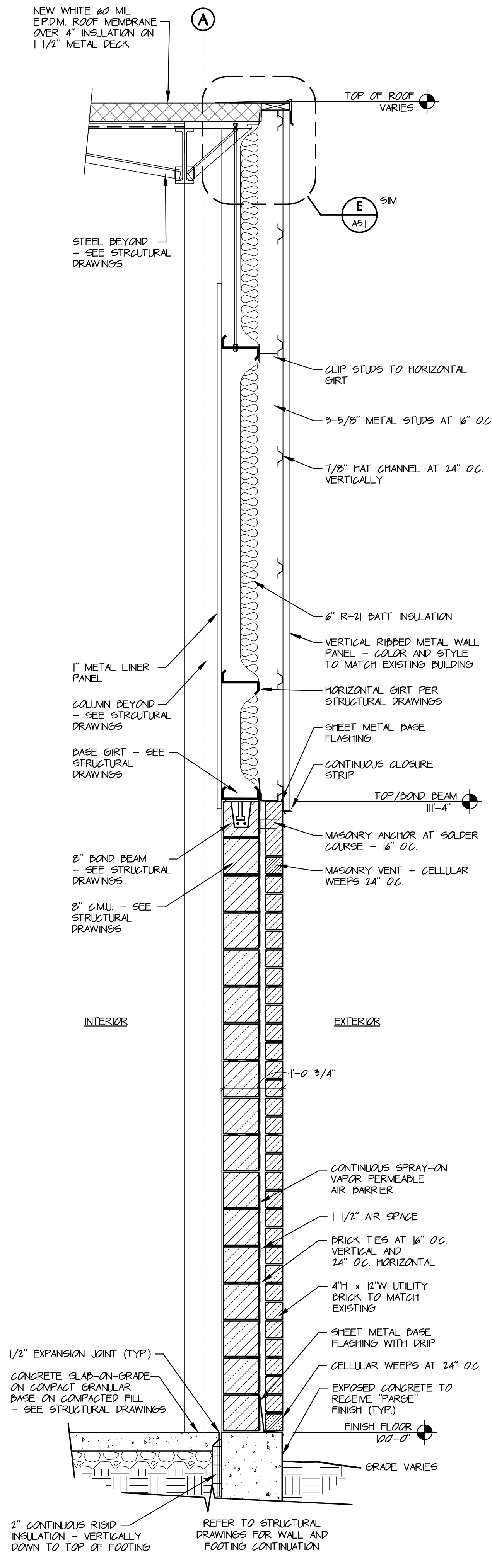
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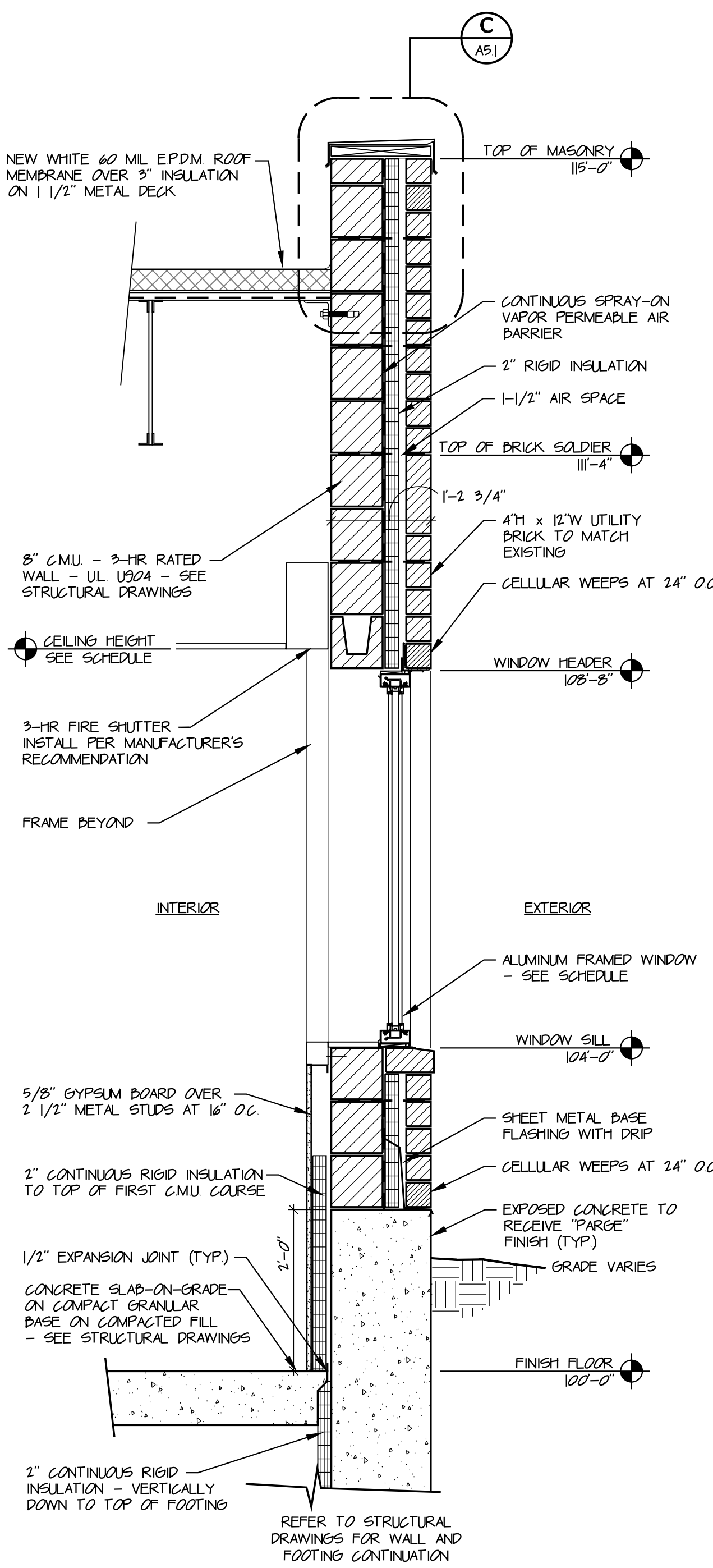
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A11



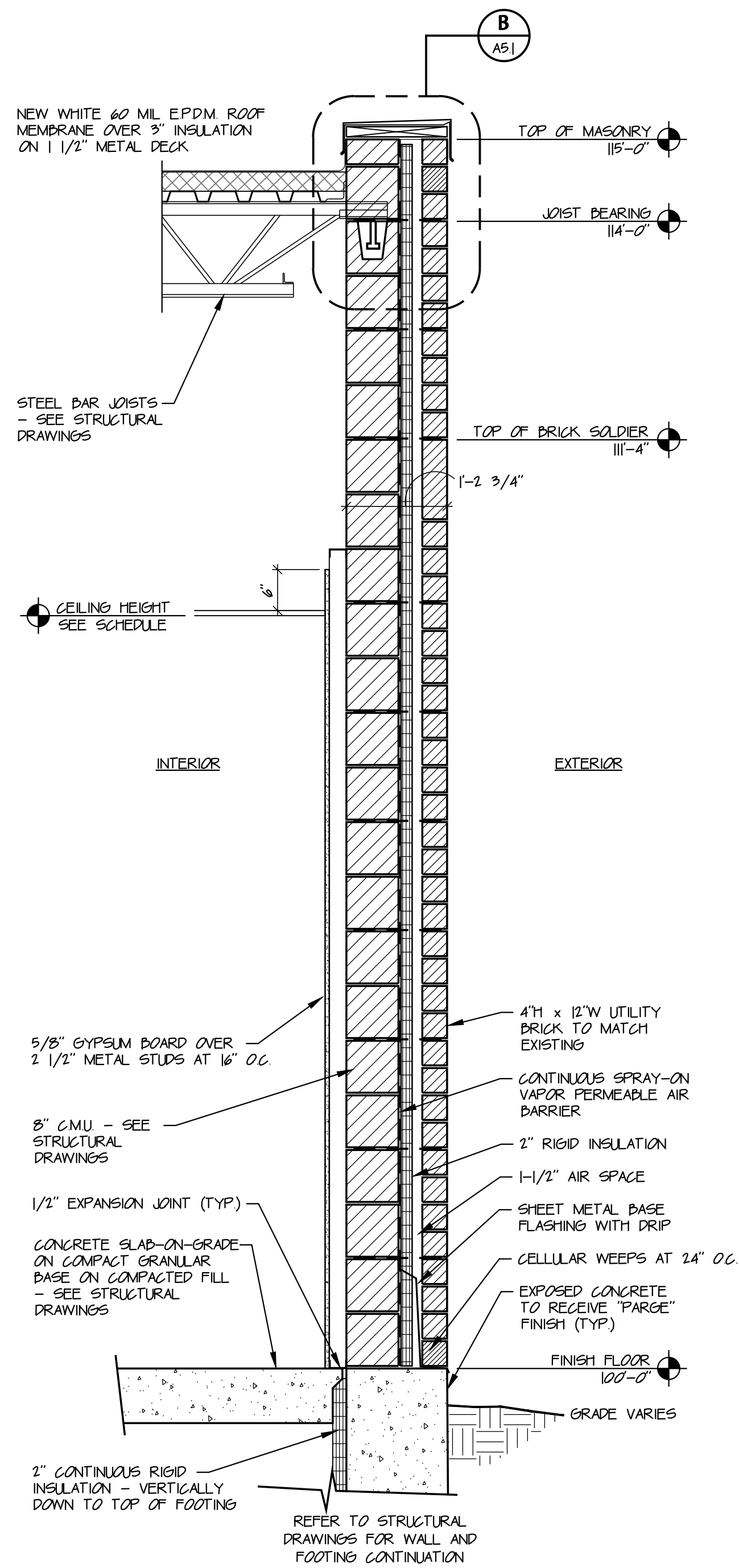
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SCALE: 3/4" = 1'-0"

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A31



WALL SECTION 3
SCALE: 3/4" = 1'-0"

3
A13



WALL SECTION 4
SCALE: 3/4" = 1'-0"

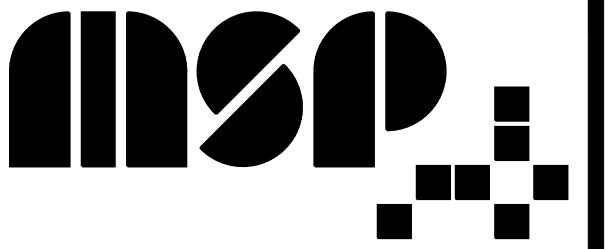
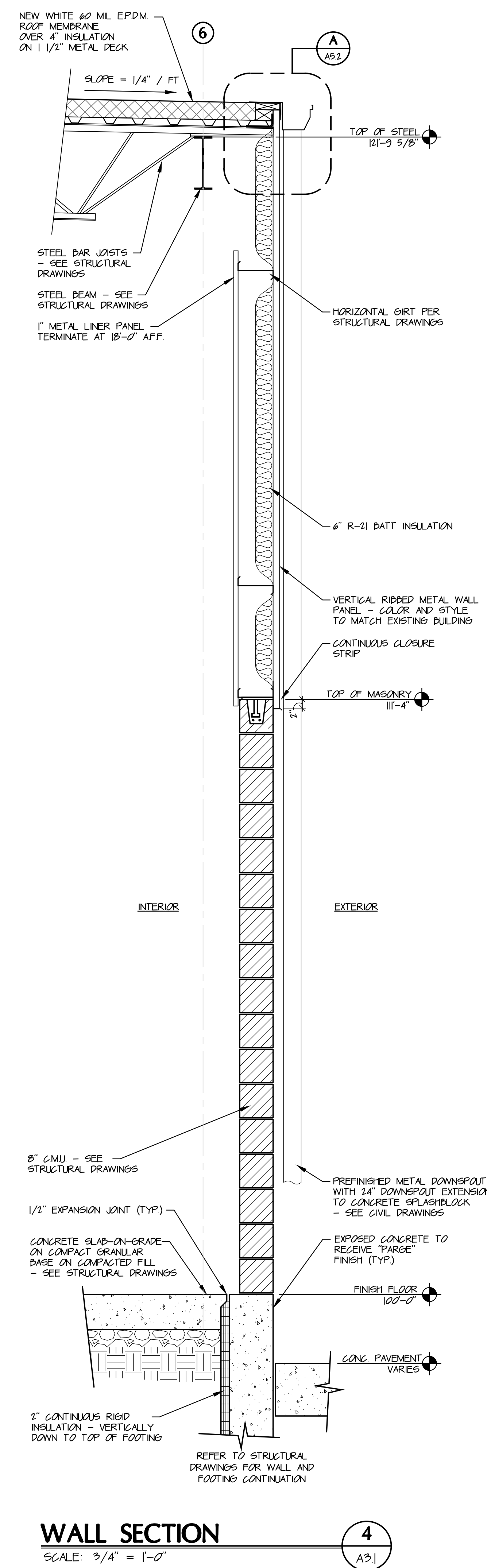
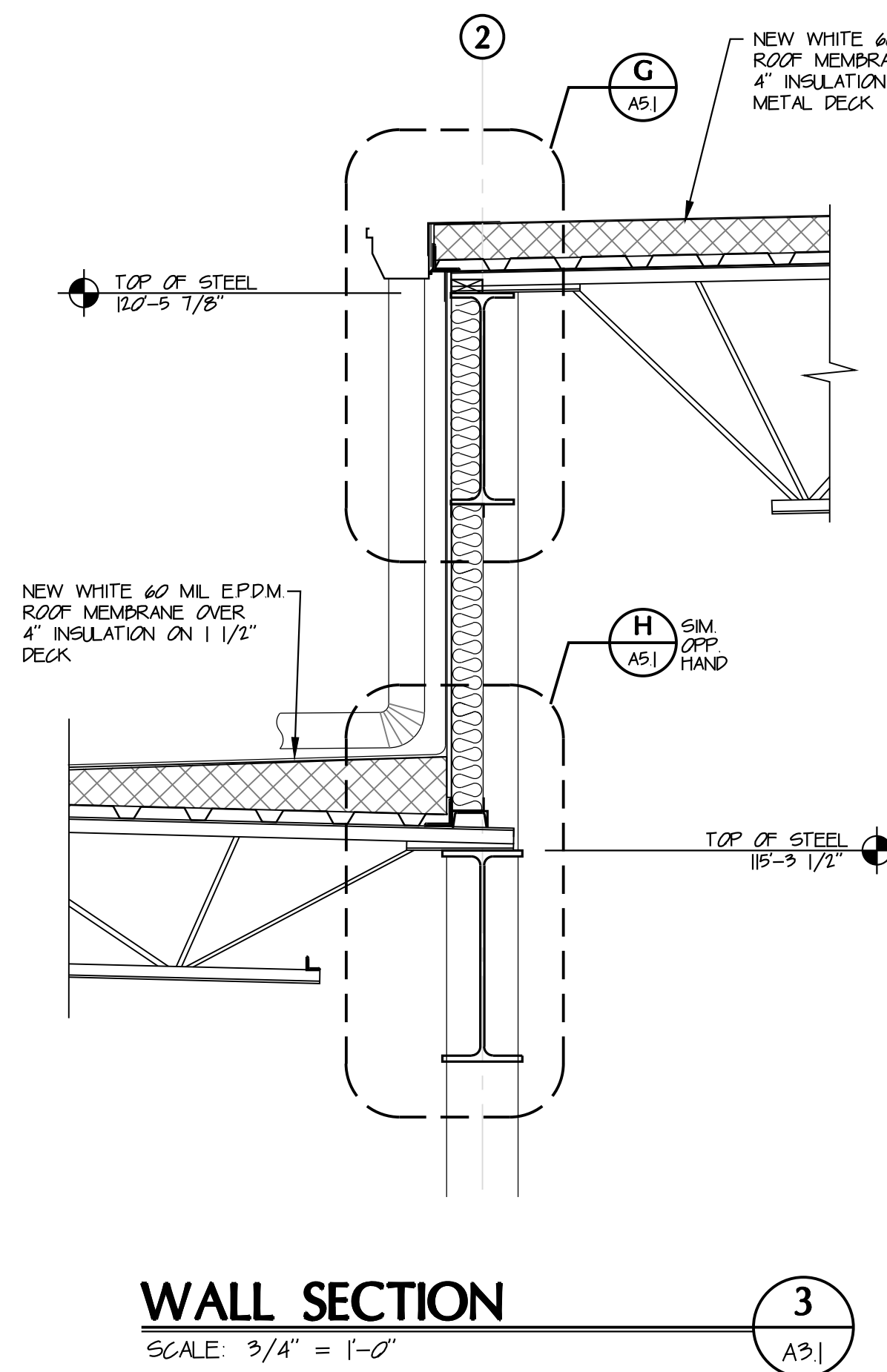
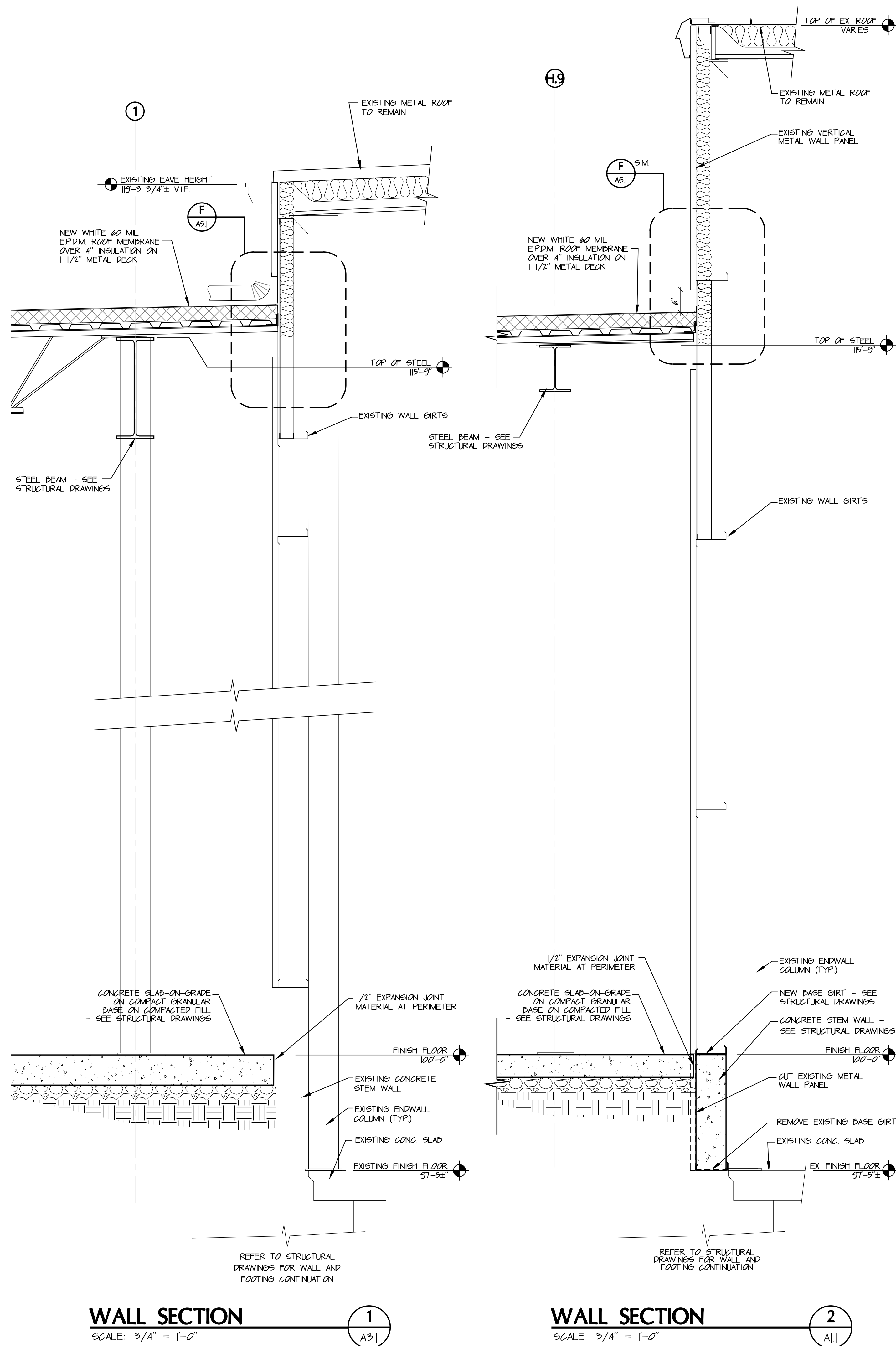
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A13

Drawn By	DCC	Project Mgr.	RGM
CAD File	97333331-A51		
X-Ref File			
Issue/Revision	Revision Number	Date	
BID / PERMIT		05/25/17	

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RENOVATIONS AND ADDITIONS
FOR
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WEST CHESTER, OHIO 45069

Sheet Title	
WALL SECTIONS	
Project No.	9733333
Scale	AS NOTED
Sheet No.	A3.3
File No.	97333 33



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Sheet Title

WALL SECTIONS

Project No. 97333.33

Scale **AS NOTED**

Sheet No. _____

File No. 97333 33

Sheet Title

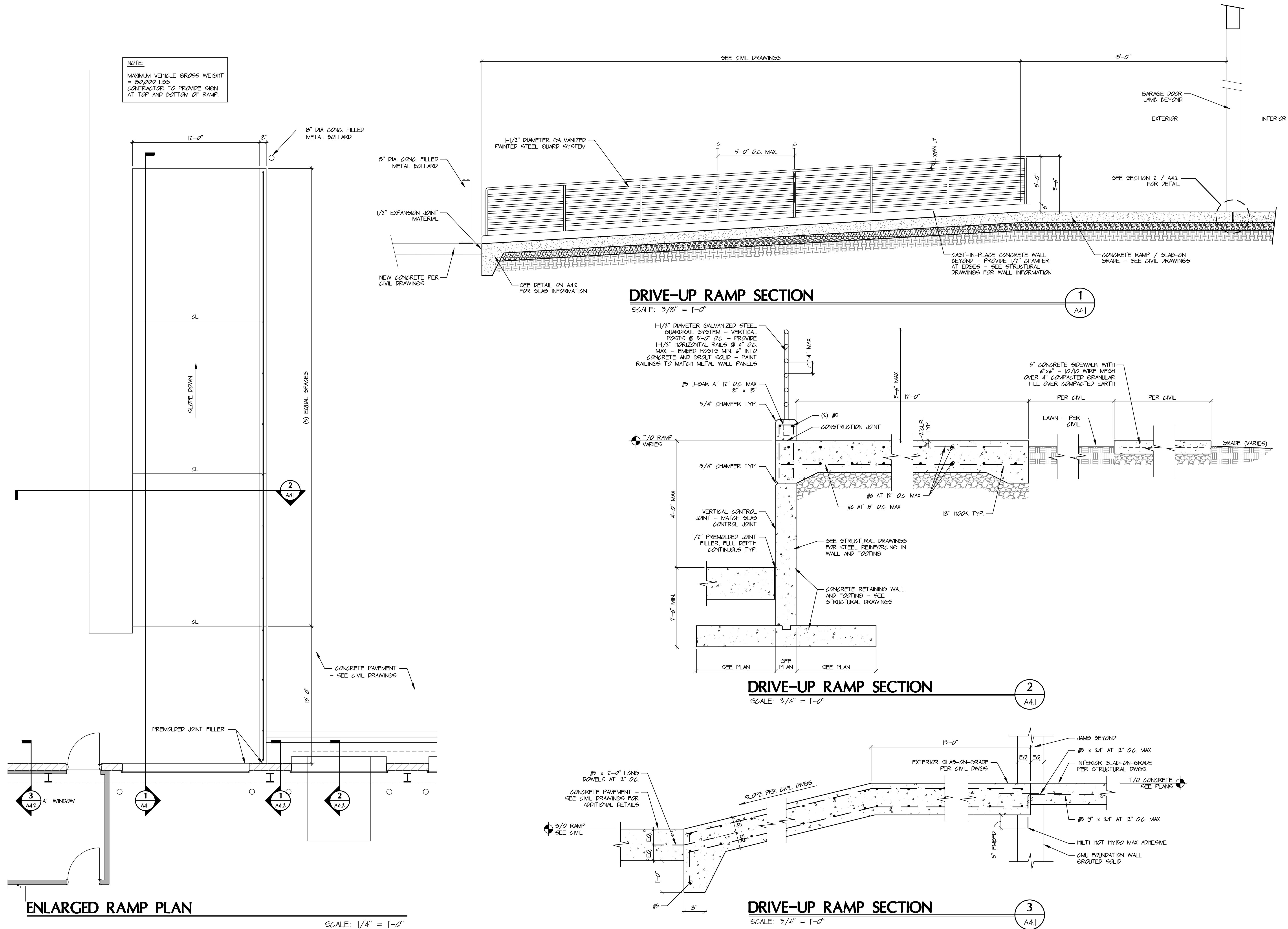
SECTIONS & DETAILS

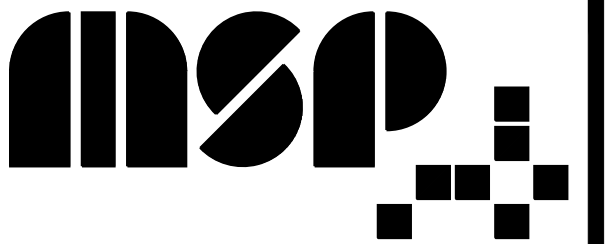
Project No. 97333.33

Scale **AS NOTED**

Sheet No. A4.1

File No. 97333 33





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RENOVATIONS AND ADDITIONS
FOR
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UNION CENTRE DRIVE 45069
WEST CHESTER, OHIO

Sheet Title

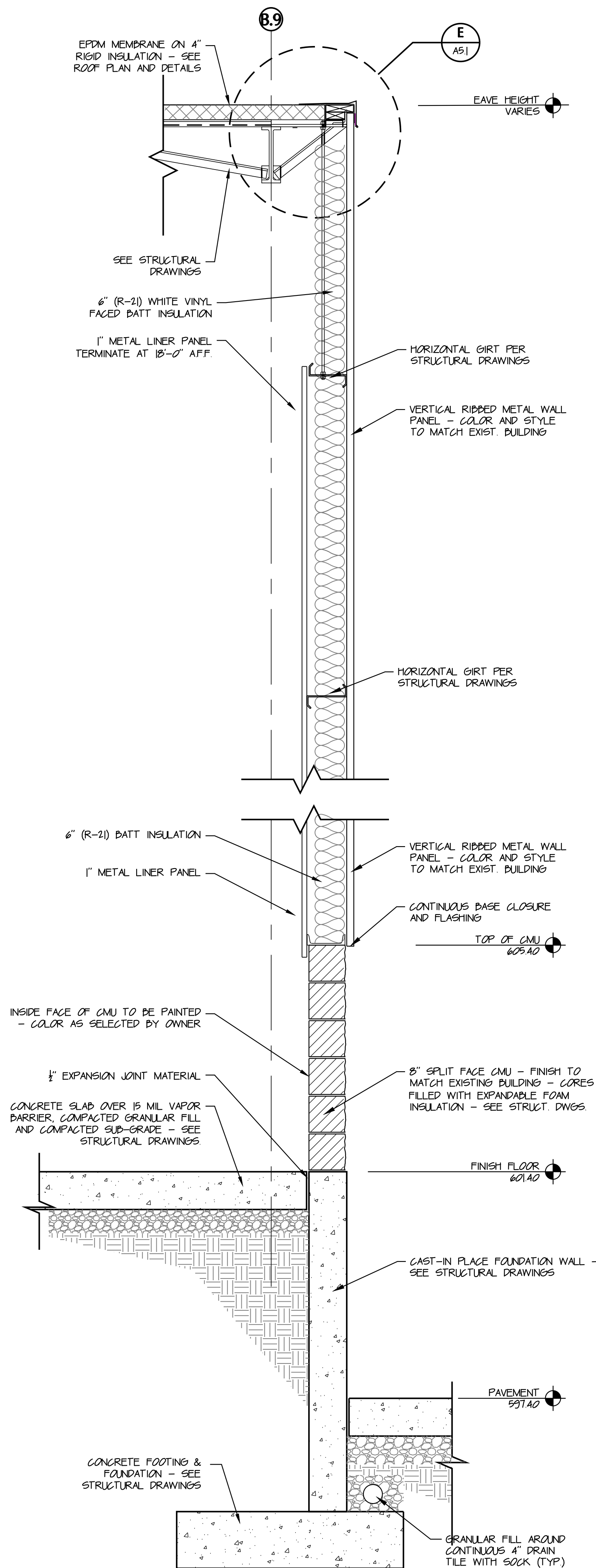
DOCK WALL SECTIONS

Project No. 9733333

Scale AS NOTED

Sheet No. A4.2

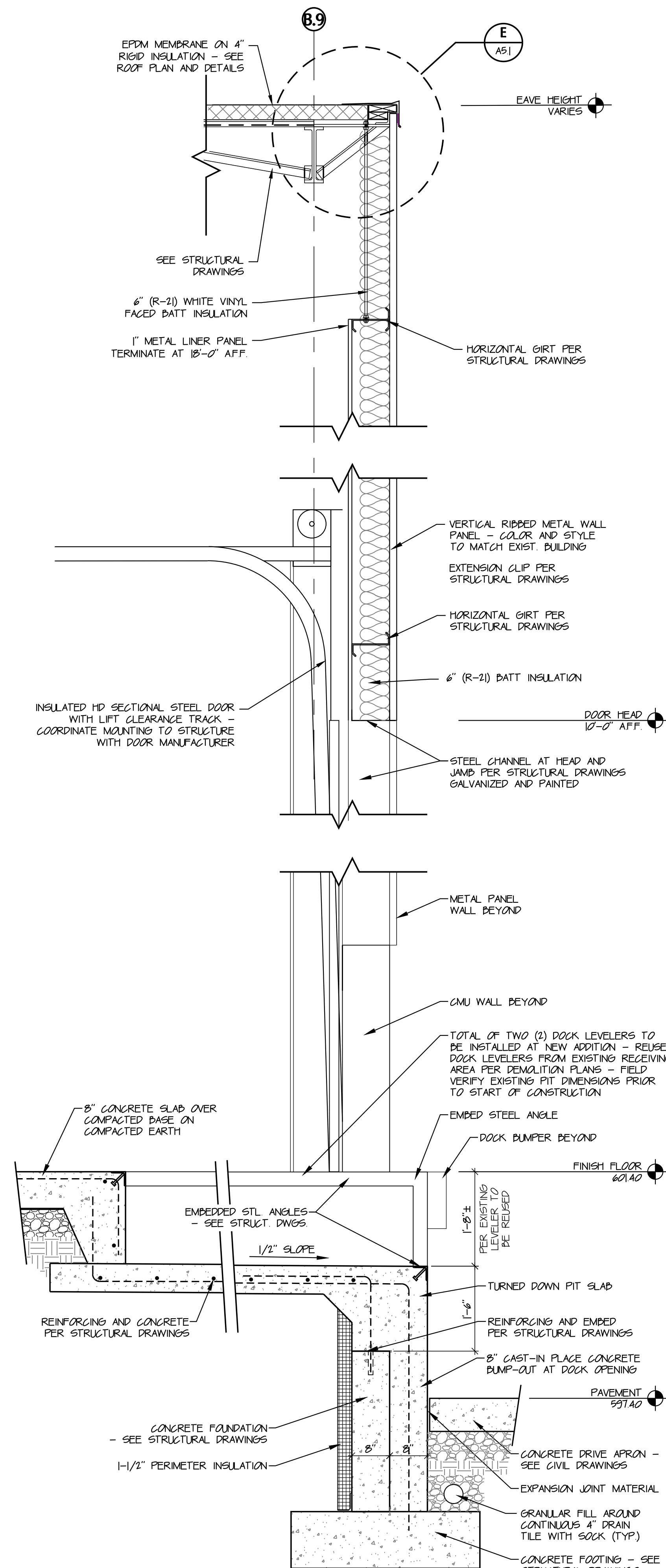
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WALL SECTION

SCALE: 3/4" = 1'-0"

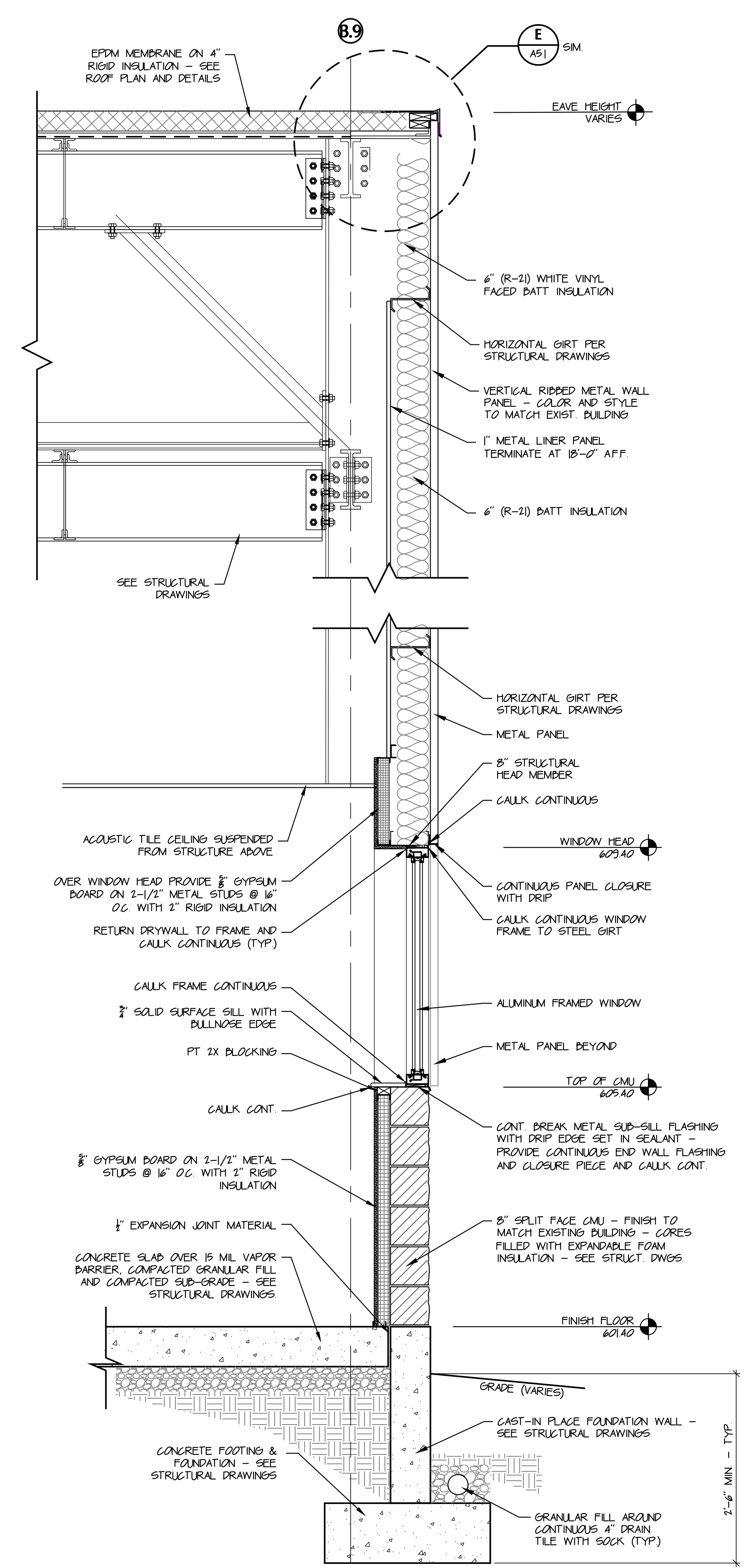
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A|2



WALL SECTION

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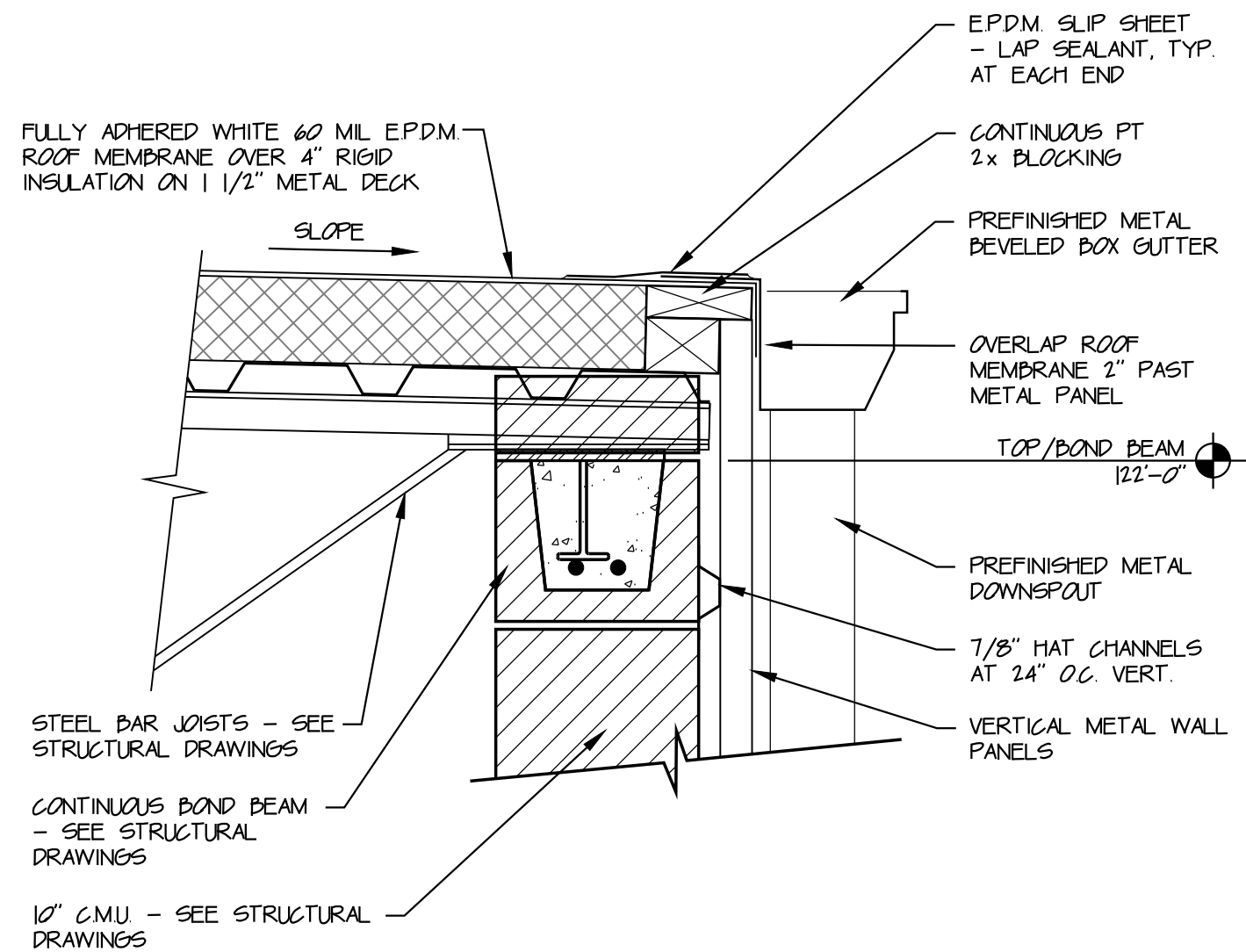
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A|2



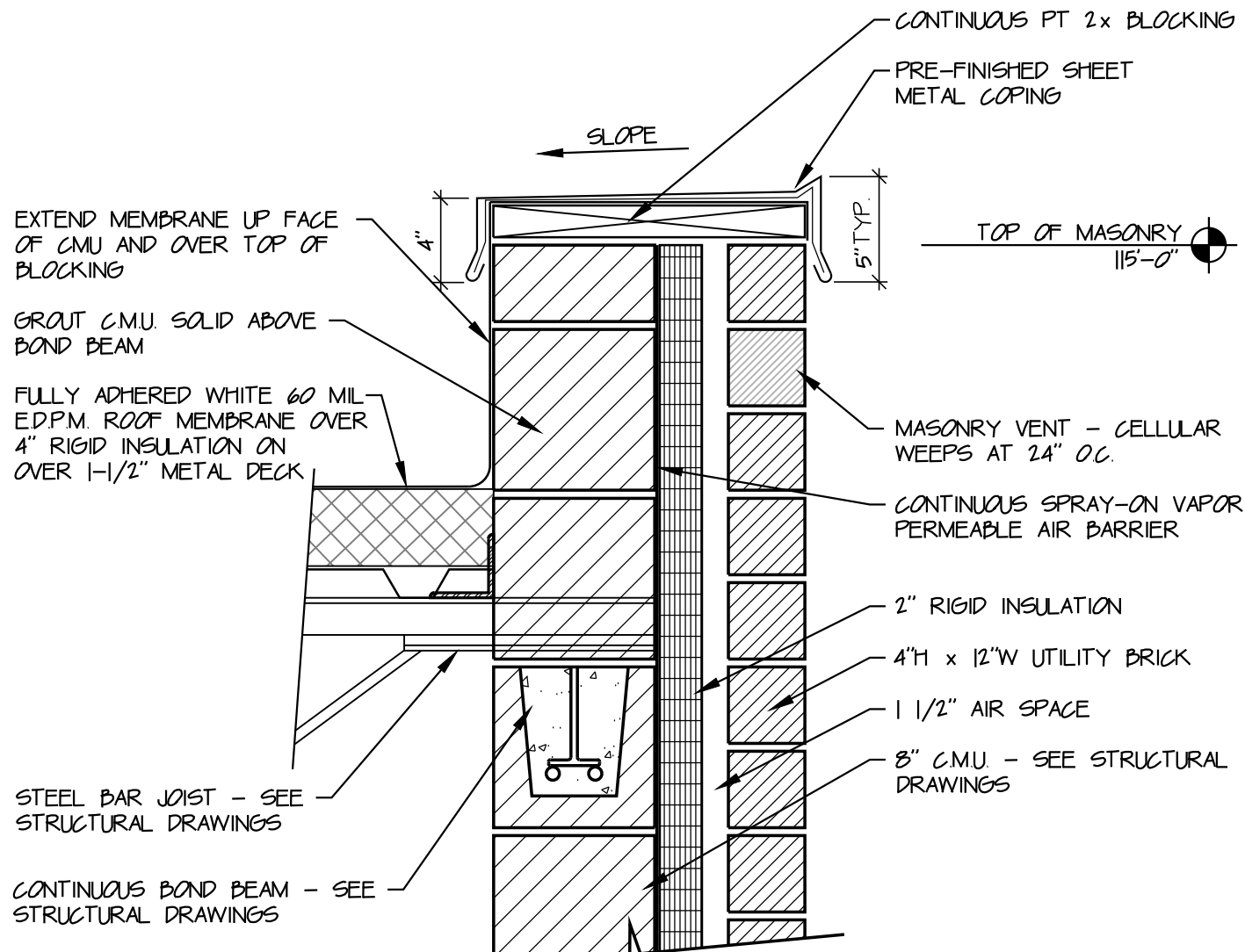
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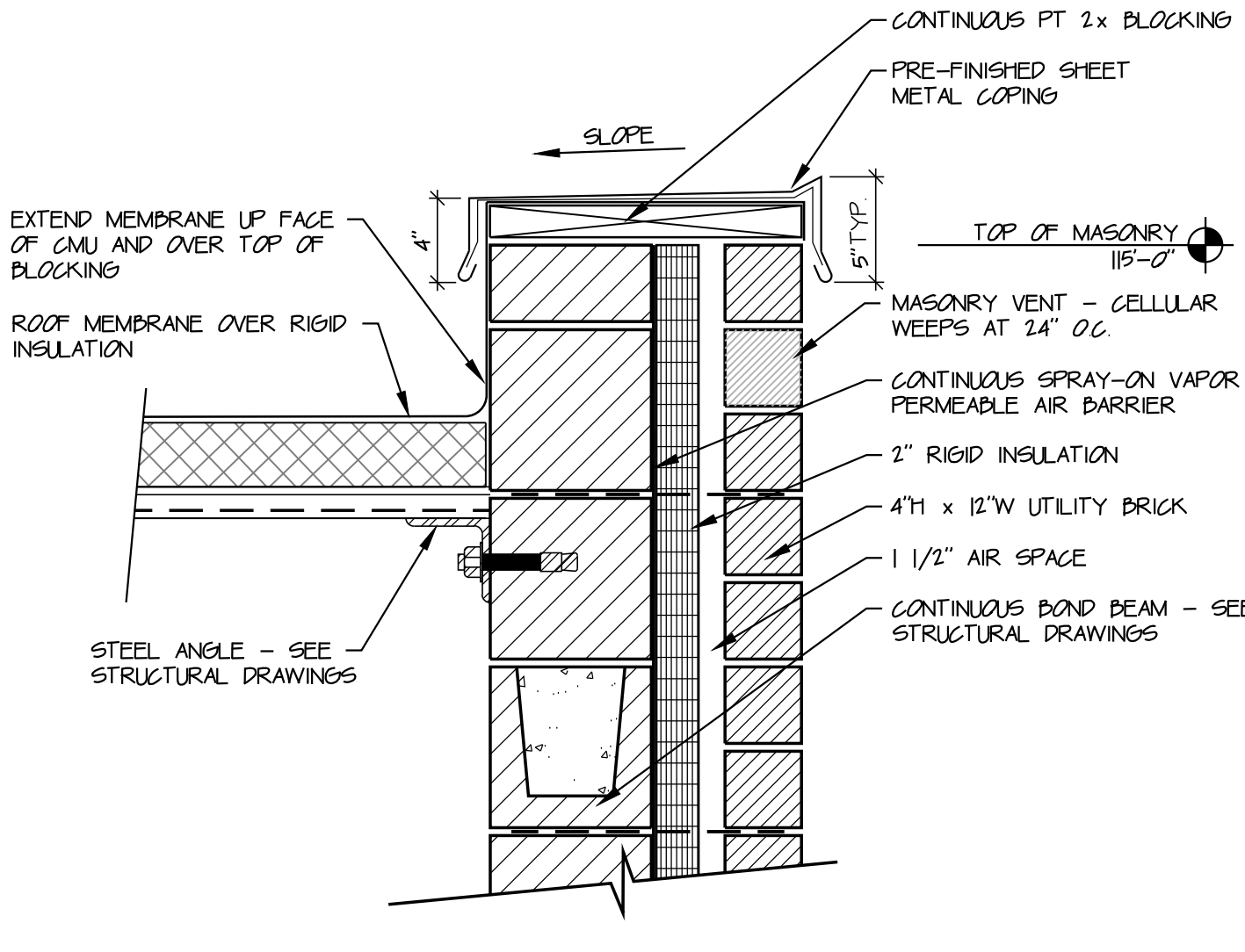
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A|2



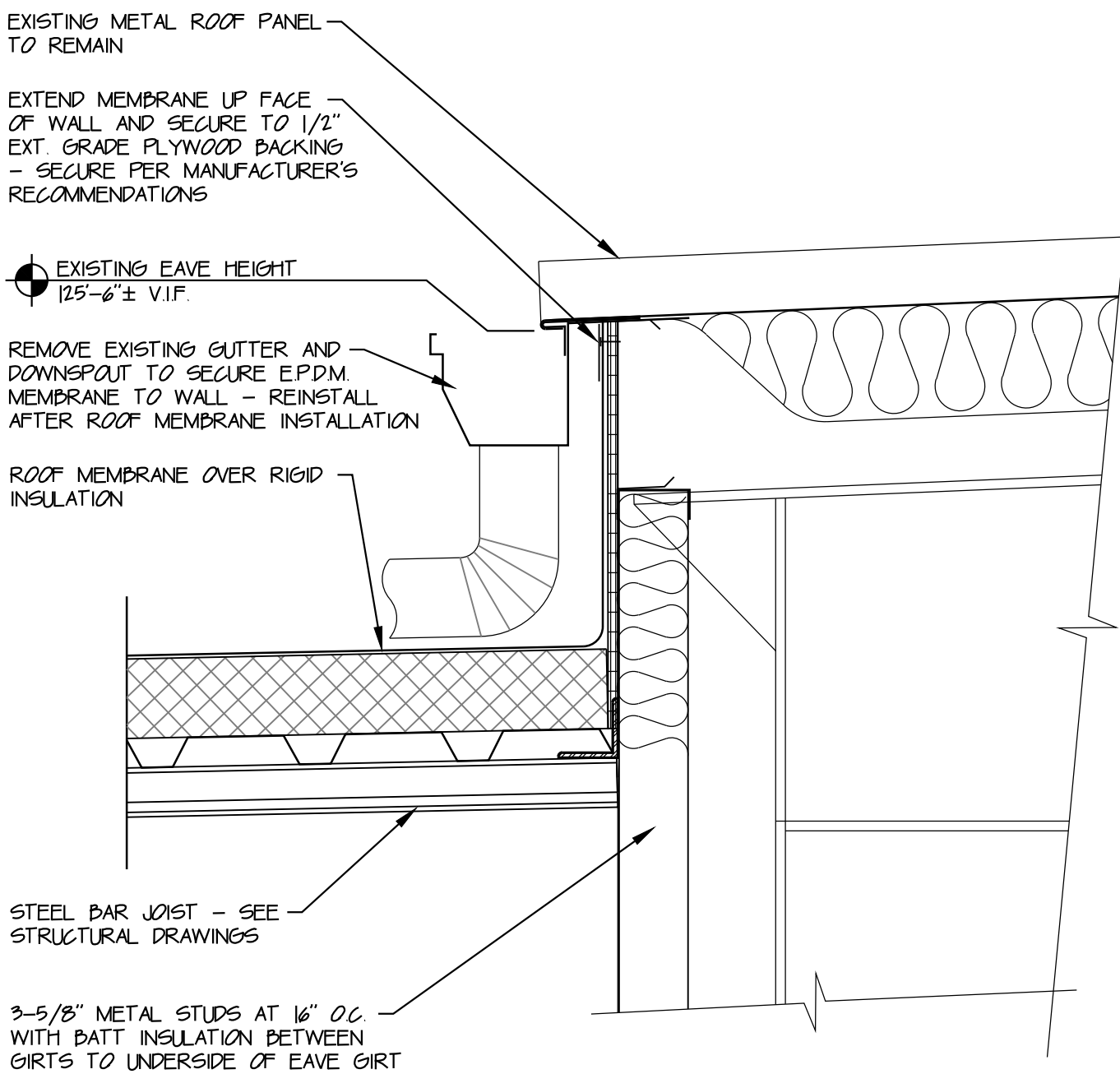
DETAIL A
SCALE: 1 1/2" = 1'-0"



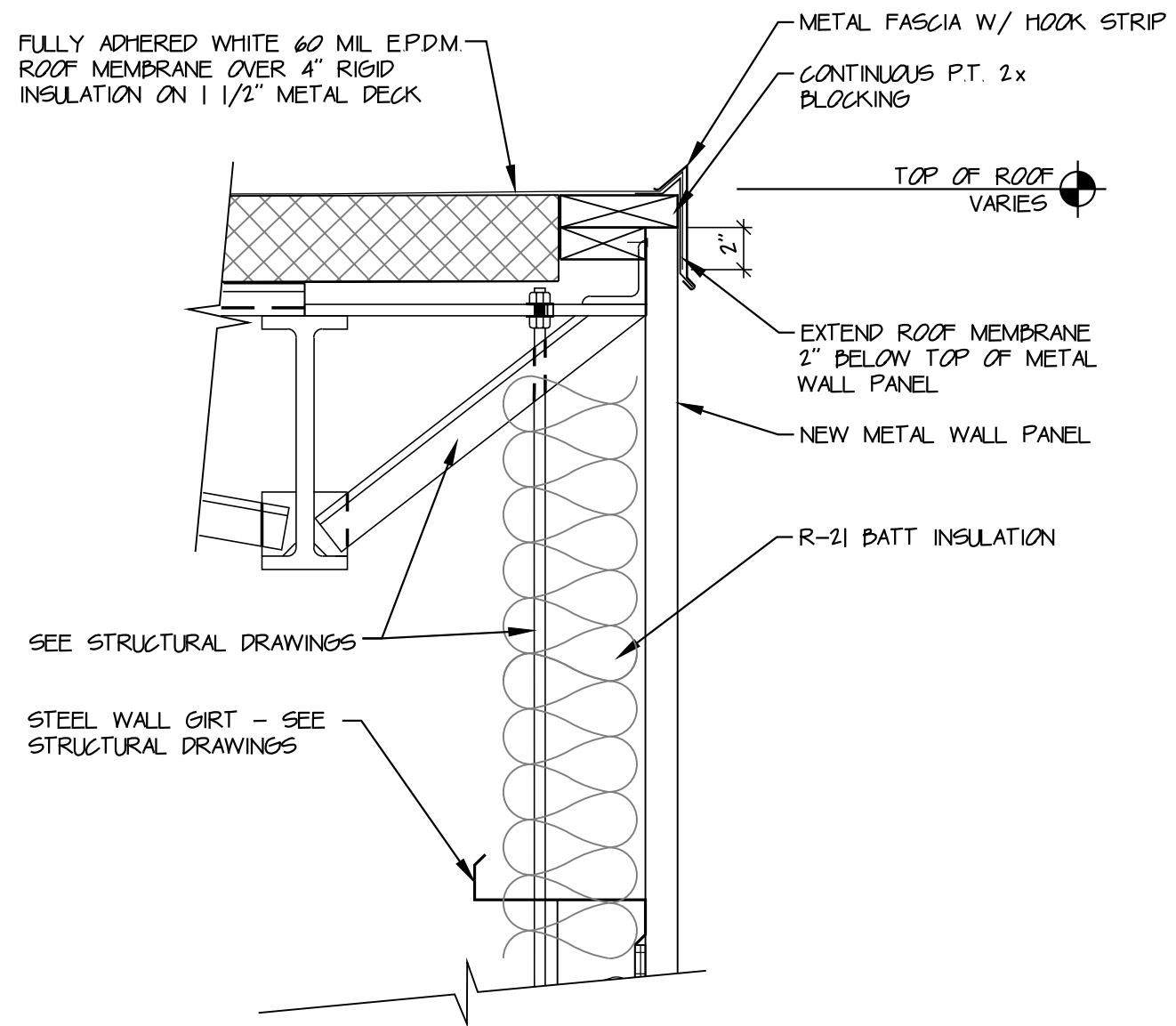
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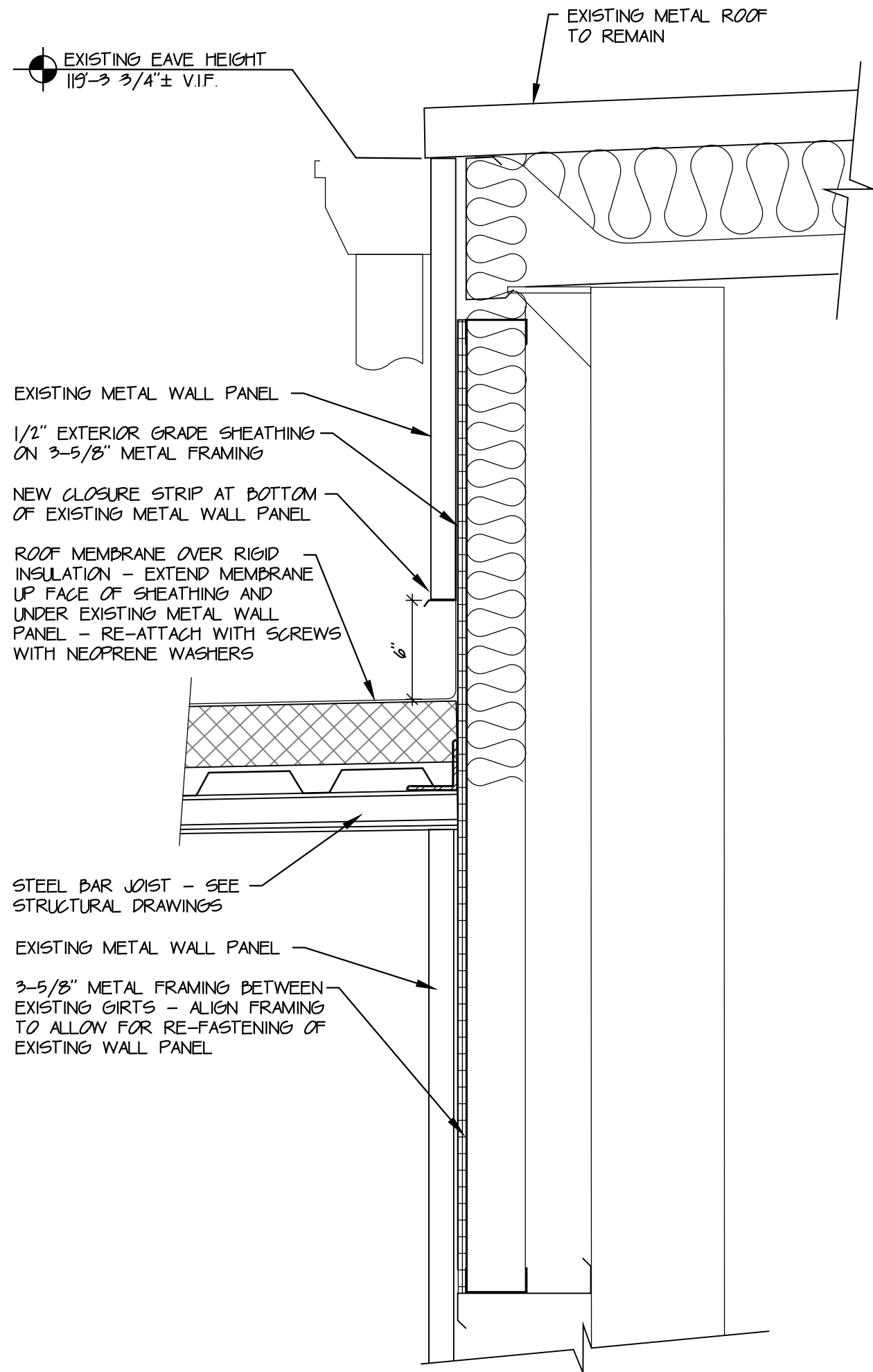
DETAIL C
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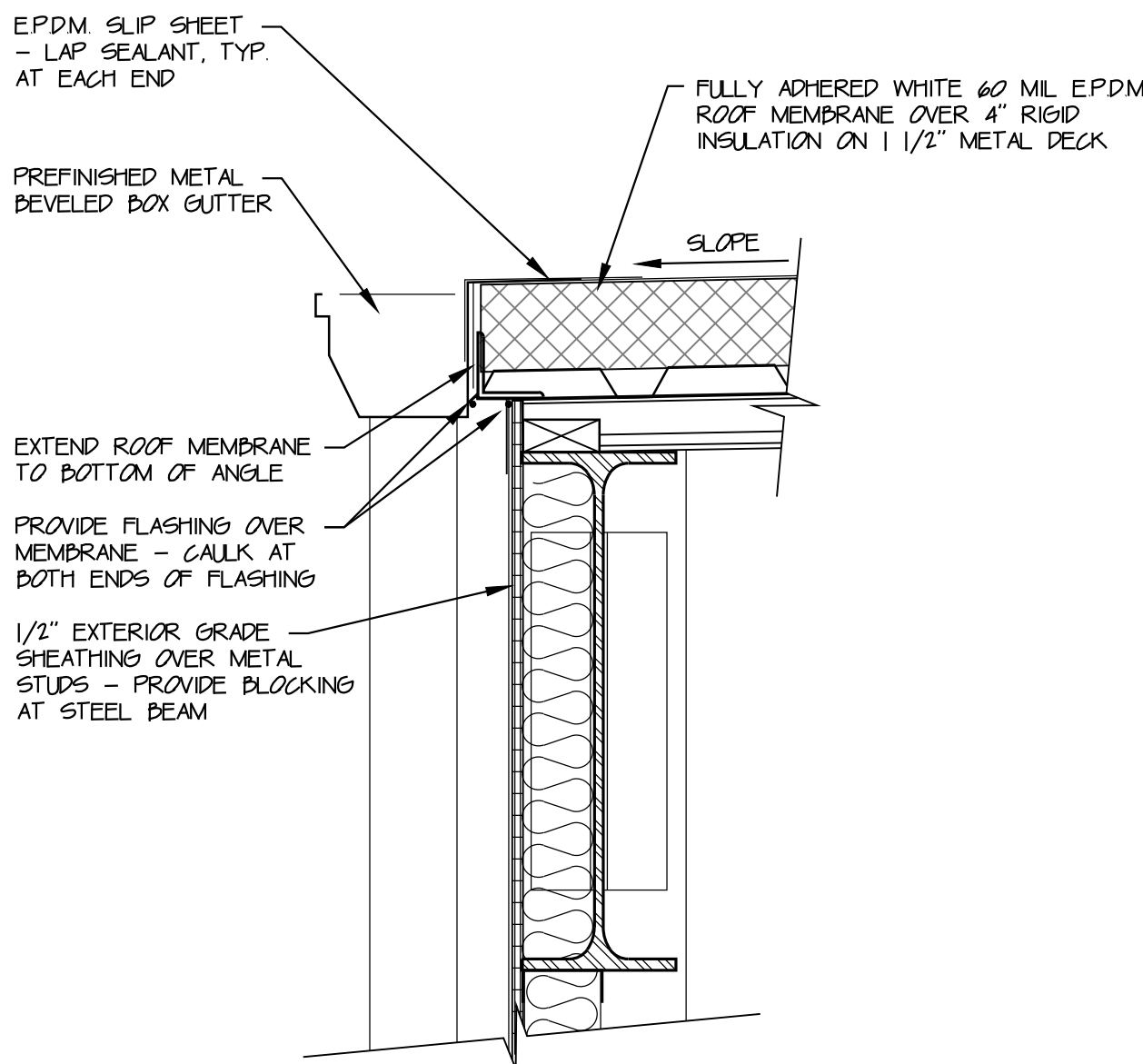
DETAIL D
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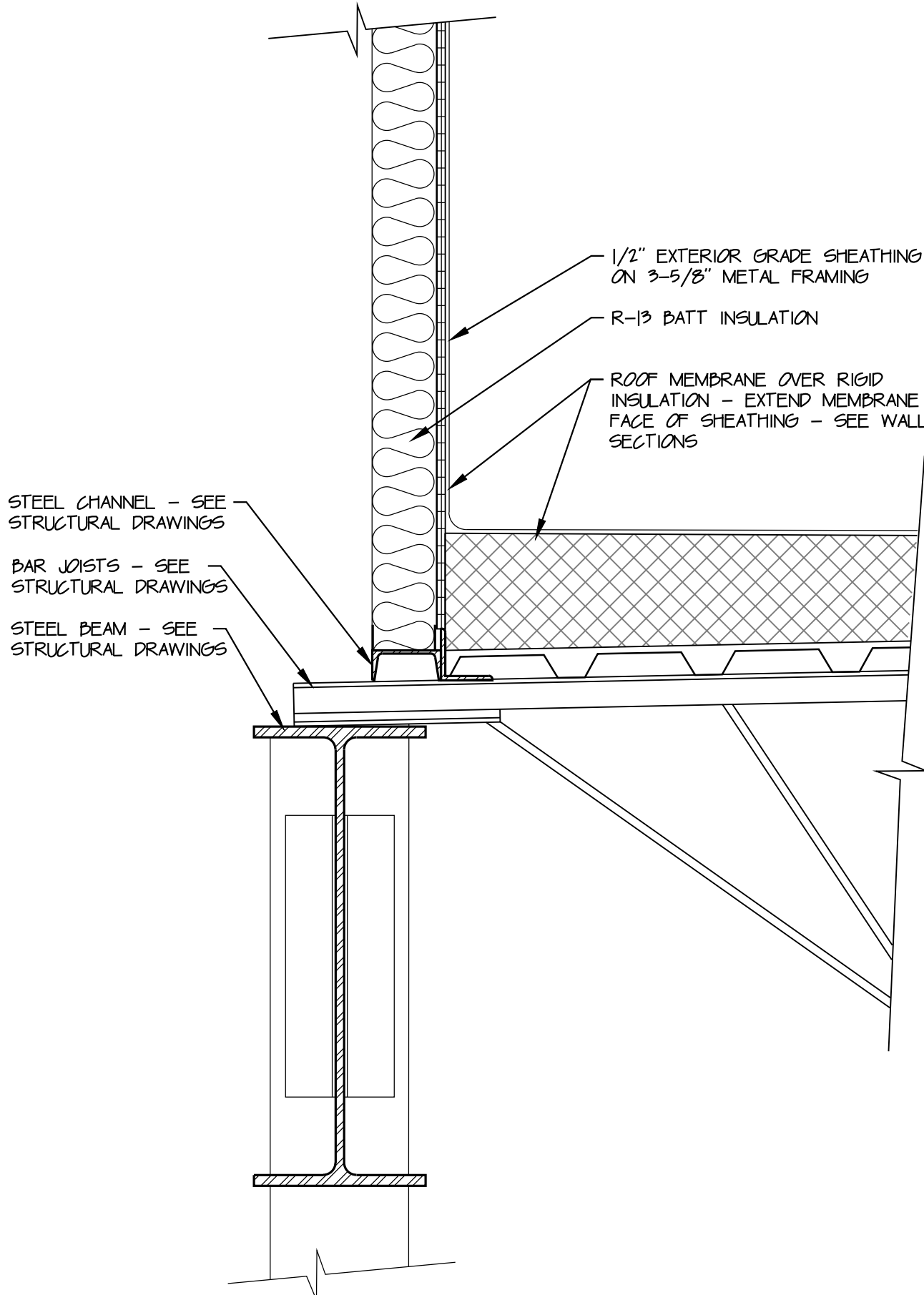
DETAIL E
SCALE: 1 1/2" = 1'-0"



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



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



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



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RENOVATIONS AND ADDITIONS
FOR
Republic Wire
UNION CENTRE DRIVE
WEST CHESTER, OHIO 45069

Sheet Title

SECTIONS AND DETAILS

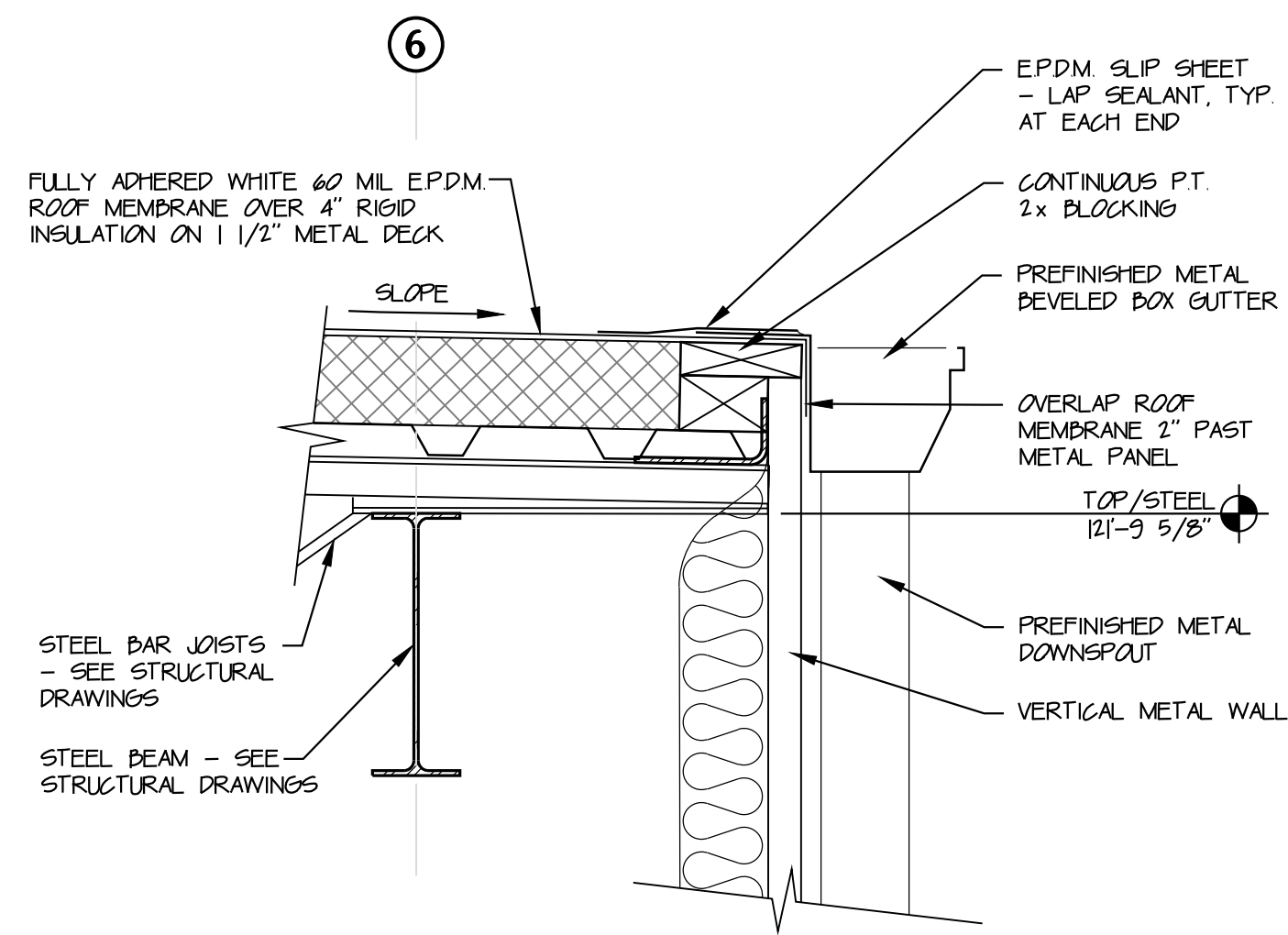
Project No. 9733333

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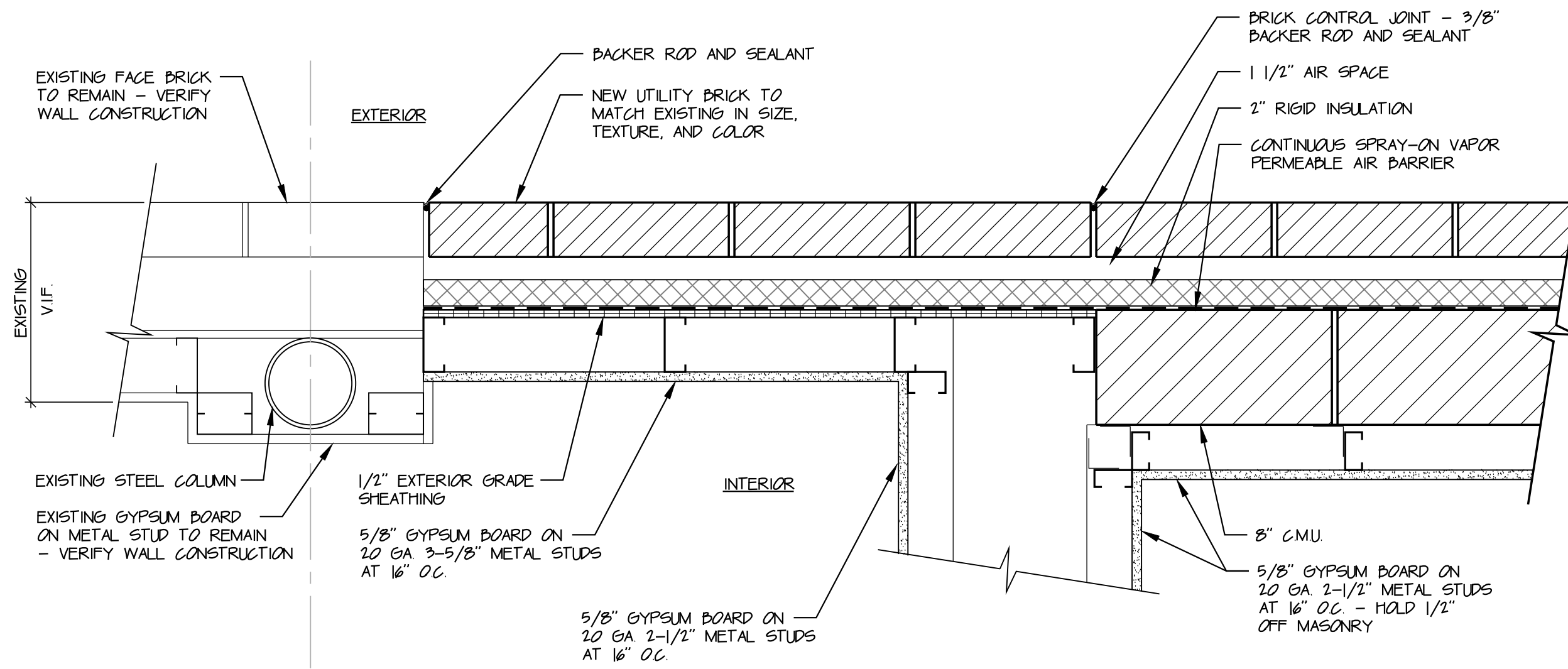
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File No. 97333 33

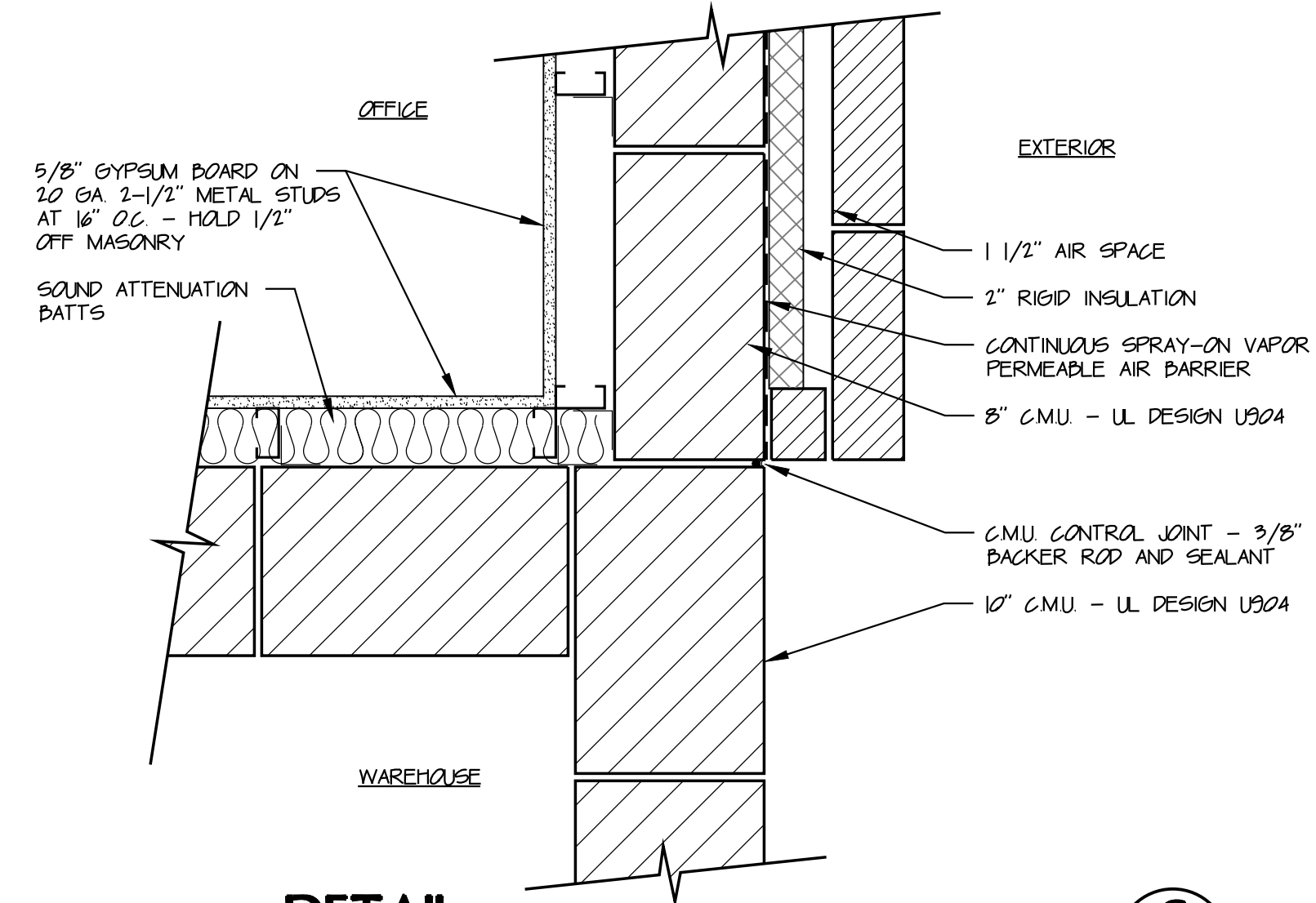
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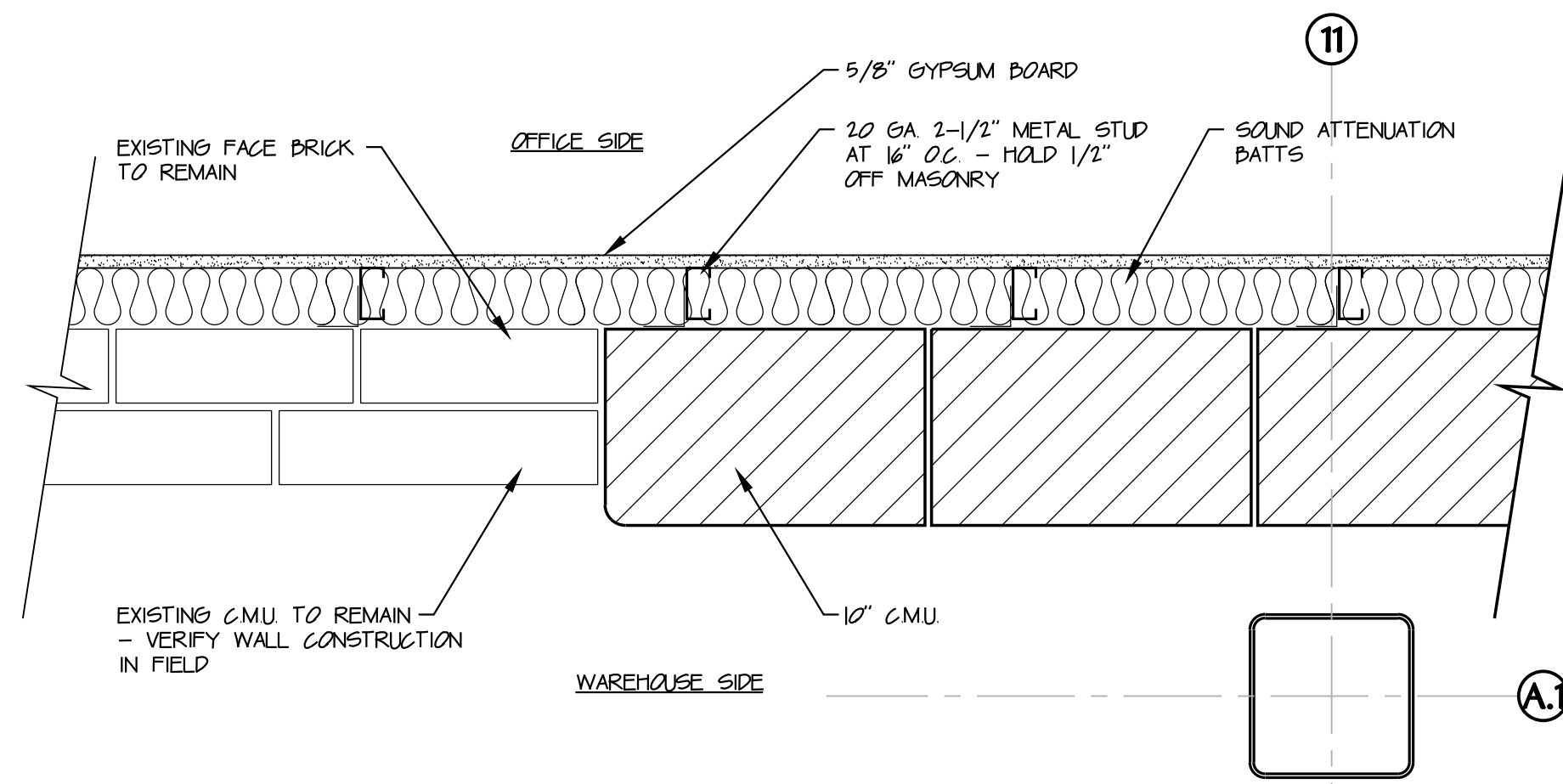
DETAIL A
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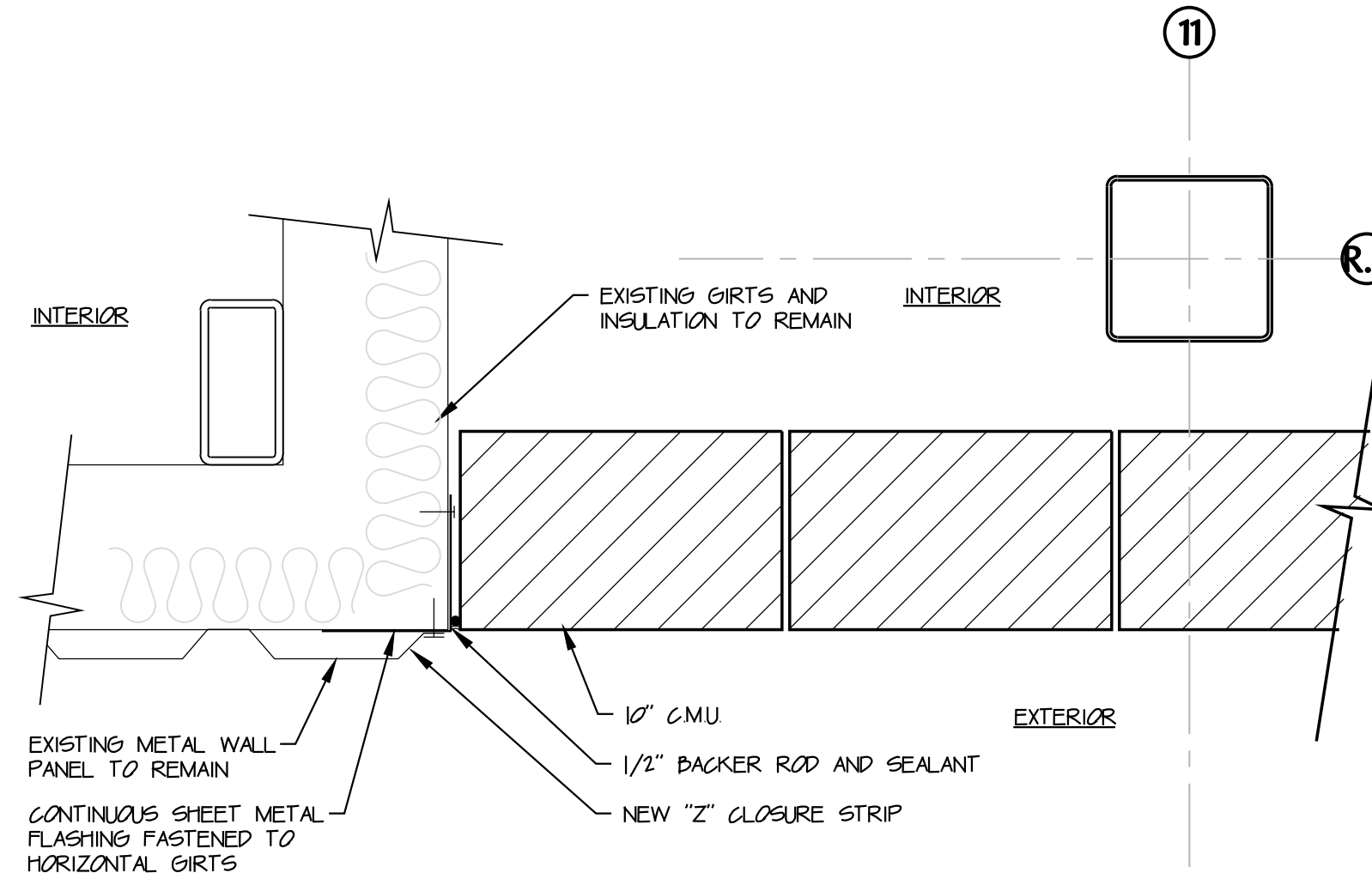
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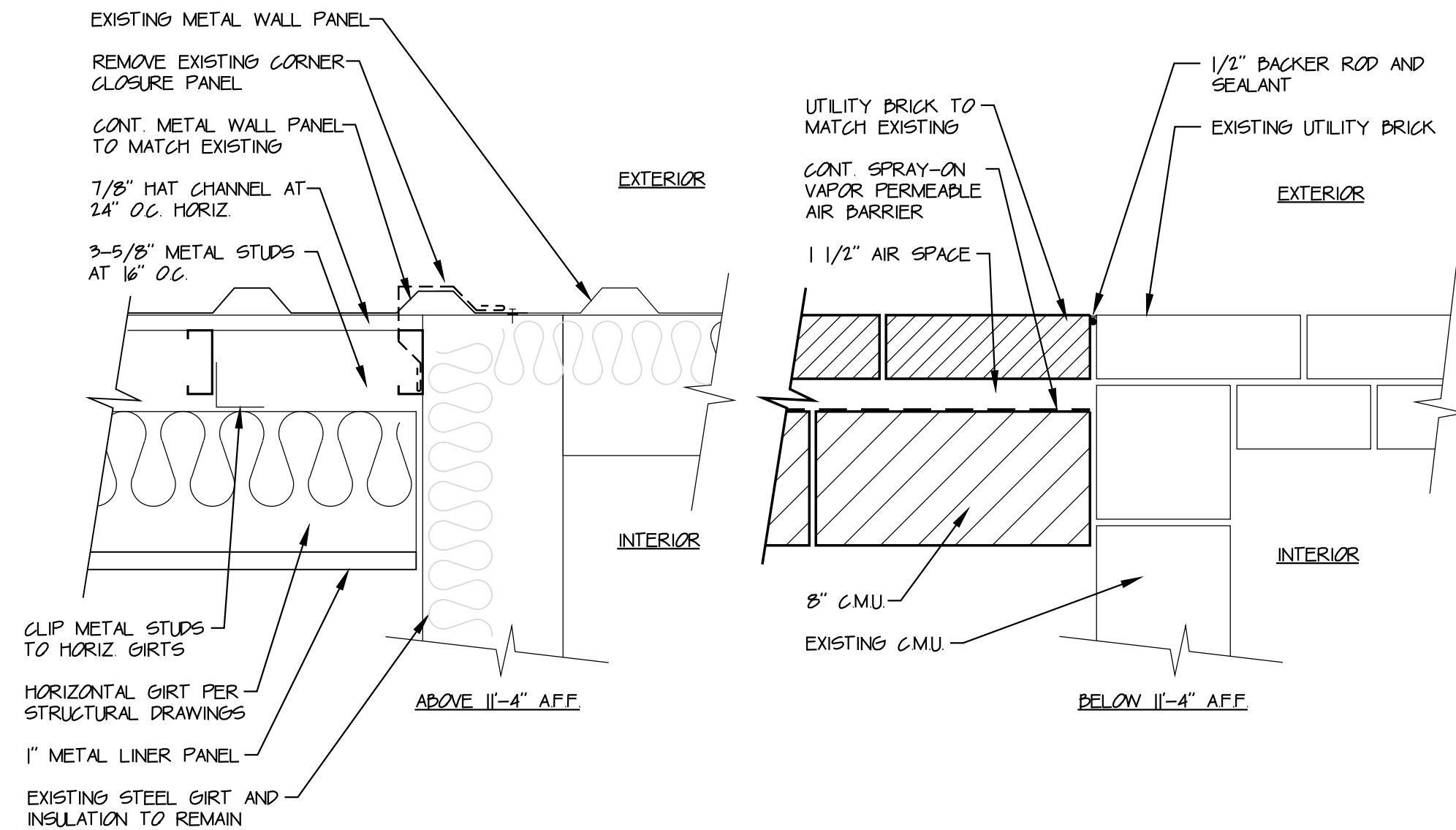
DETAIL C
SCALE: 1 1/2" = 1'-0"



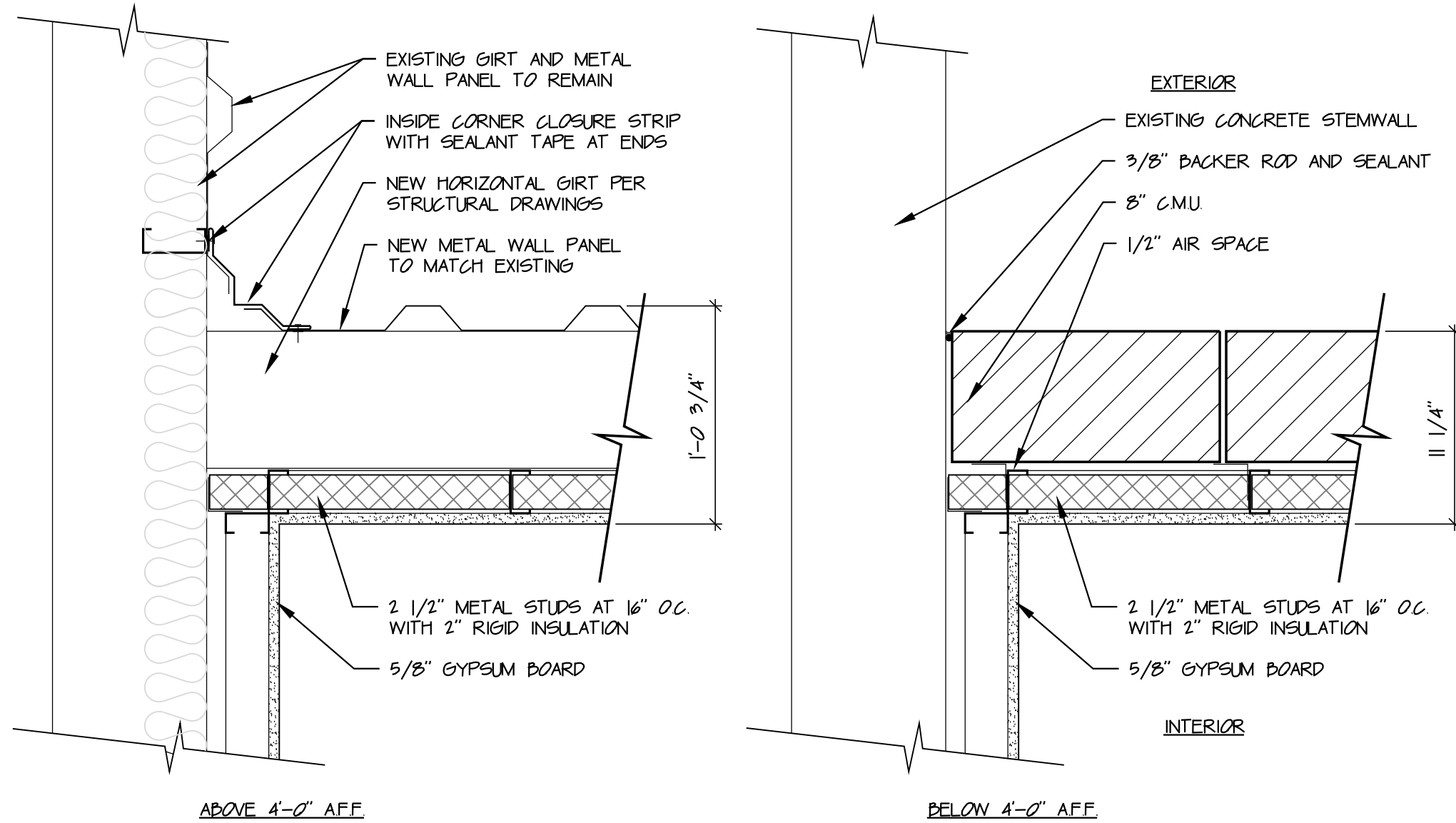
DETAIL D
SCALE: 1 1/2" = 1'-0"



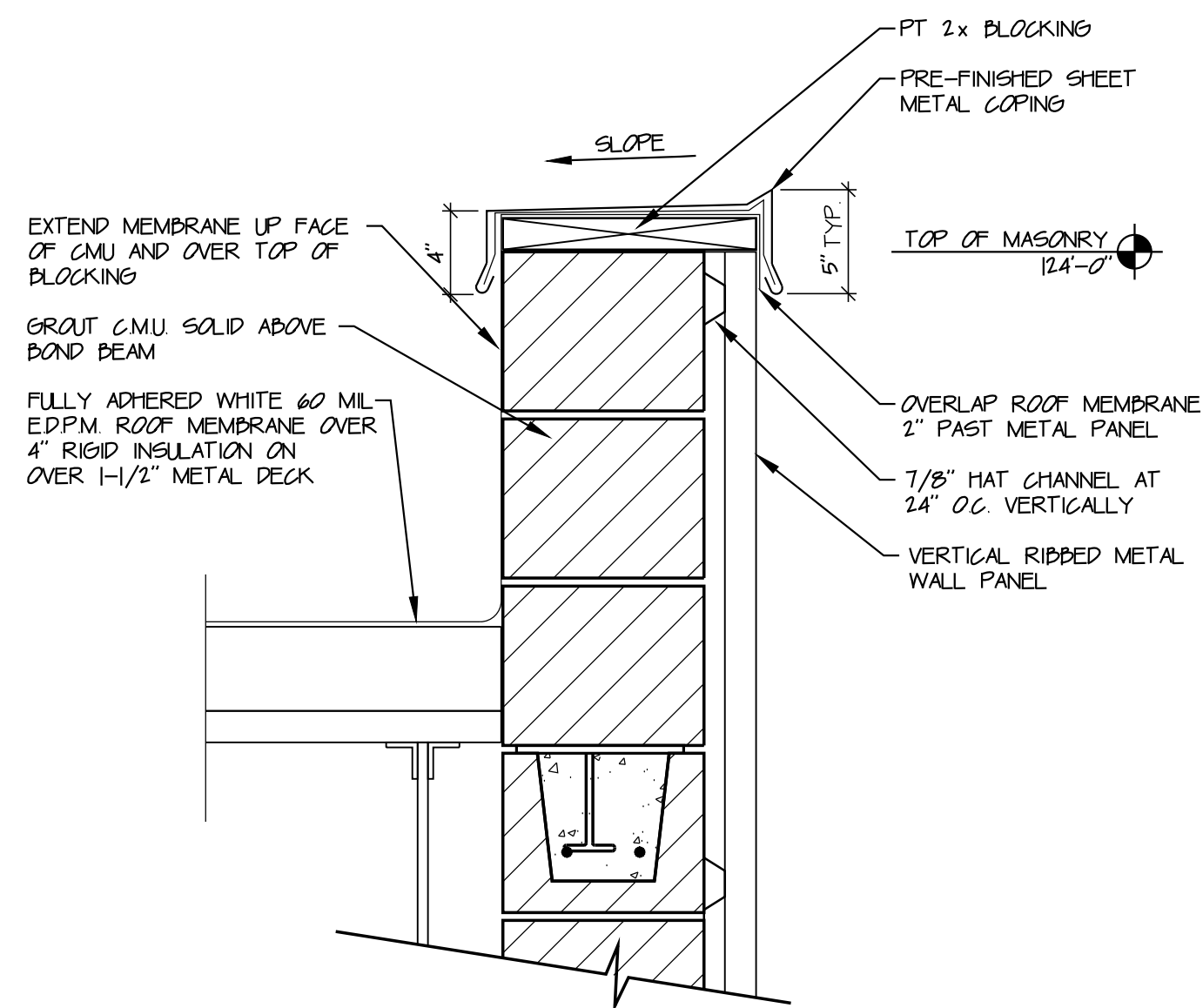
DETAIL E
SCALE: 1 1/2" = 1'-0"



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



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



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

mSP

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RENOVATIONS AND ADDITIONS
FOR
Republic Wire
UNION CENTRE DRIVE
WEST CHESTER, OHIO 45069

Sheet Title	DETAILS
Project No.	97333.33
Scale	AS NOTED
Sheet No.	A5.2
File No.	97333 33

D O O R D O O R S C H E D U L E													
DOOR NUM	HARDWARE SET #	DOOR DATA				FRAME DATA		DETAILS			FIRE RATING	NOTES	
		AMT	DOOR SIZE	MATERIAL	ELEV.	MATERIAL	ELEV.	HEAD	JAMB	SILL			
01	1	1	3'-0" x 7'-0" x 1-3/4"	HOLLOW METAL	D-1	HOLLOW METAL	F-2	H2	J2	S2	3 HR.	1	
02	1	1	3'-0" x 7'-0" x 1-3/4"	HOLLOW METAL	D-1	HOLLOW METAL	F-2	H2	J2	S2	3 HR.	1	
03	1	1	3'-0" x 7'-0" x 1-3/4"	HOLLOW METAL	D-1	HOLLOW METAL	F-2	H3	J3	S3			
04	6	1	3'-0" x 7'-0" x 1-3/4"	HOLLOW METAL	D-2	HOLLOW METAL	F-1	H7	J7	S7			
05	7	1	3'-0" x 7'-0" x 1-3/4"	HOLLOW METAL	D-2	HOLLOW METAL	F-1	H1	J1	S1		2	
06	3	1	3'-0" x 7'-0" x 1-3/4"	HOLLOW METAL	D-2	HOLLOW METAL	F-1	H1	J1	S1			
07	3	1	3'-0" x 7'-0" x 1-3/4"	SOLID CORE WOOD	D-1	WOOD	F-1	H1	J1	S1		3	
08	3	1	3'-0" x 7'-0" x 1-3/4"	SOLID CORE WOOD	D-1	WOOD	F-1	H1	J1	S1		3	
09	3	1	3'-0" x 7'-0" x 1-3/4"	SOLID CORE WOOD	D-1	WOOD	F-1	H1	J1	S1		3	
10	3	1	3'-0" x 7'-0" x 1-3/4"	SOLID CORE WOOD	D-1	WOOD	F-2	H1	J1	S1		3	
11	4	1	3'-0" x 7'-0" x 1-3/4"	SOLID CORE WOOD	D-1	WOOD	F-1	H1	J1	S1		3	
12	4	1	3'-0" x 7'-0" x 1-3/4"	SOLID CORE WOOD	D-1	WOOD	F-1	H1	J1	S1		3	
13	SEE NOTES	1	3'-0" x 7'-0" x 1-3/4"	SOLID CORE WOOD	D-1	WOOD	F-1	H1	J1	S1		3, 5	
14	3	1	3'-0" x 7'-0" x 1-3/4"	SOLID CORE WOOD	D-1	WOOD	F-1	H1	J1	S1		3	
15	6	1	3'-0" x 7'-0" x 1-3/4"	SOLID CORE WOOD	D-1	WOOD	F-3	H1	J1	S1		3	
16	4	1	3'-0" x 7'-0" x 1-3/4"	SOLID CORE WOOD	D-1	WOOD	F-1	H1	J1	S1		3	
17	3	1	3'-0" x 7'-0" x 1-3/4"	SOLID CORE WOOD	D-1	WOOD	F-1	H1	J1	S1		3	
18	SEE NOTES	1	3'-0" x 7'-0" x 1-3/4"	SOLID CORE WOOD	D-1	WOOD	F-1	H1	J1	S1		3, 4	
19	5	1	3'-0" x 7'-0" x 1-3/4"	HOLLOW METAL	D-1	HOLLOW METAL	F-1	H1	J1	S1			
20	5	1	3'-0" x 7'-0" x 1-3/4"	HOLLOW METAL	D-1	HOLLOW METAL	F-1	H1	J1	S1			
21	5	1	3'-0" x 7'-0" x 1-3/4"	HOLLOW METAL	D-1	HOLLOW METAL	F-1	H1	J1	S1			
22	5	1	3'-0" x 7'-0" x 1-3/4"	HOLLOW METAL	D-1	HOLLOW METAL	F-1	H1	J1	S1			

DOOR SCHEDULE NOTES

- 3 HOUR RATED FIRE DOOR
- DOOR TO RECEIVE CARD READER AND ELECTRONICALLY LOCKING HARDWARE
- PROVIDE HARDWOOD CASTING AROUND JAMB AND HEAD FRAME - MATCH EXISTING FINISH AT EXISTING OFFICE ENTRY DOORS - SEE DETAILS FOR SIZES
- PROVIDE BI-PASS DOOR KIT - ALUMINUM HEAD TRACK WITH BOTTOM GUIDES AND RECESSED PULL HARDWARE
- PROVIDE POCKET / SLIDING DOOR KIT - FLUSH-SET HARDWARE WITH LOCKING MECHANISM

WINDOW SCHEDULE									
MARK	WIDTH	HEIGHT	SILL	HEAD	JAMB	SILL	TYPE OF GLASS	REMARKS	NOTES
(A)	4'-0"	4'-0"	4'-0" AFF.	H4	J4	S4	INSULATED	FIXED ALUMINUM	
(B)	7'-0"	4'-8"	4'-8" AFF.	H5	J5	S5	INSULATED	FIXED ALUMINUM	
(C)	7'-0"	4'-0"	4'-8" AFF.	H5	J5	S5	INSULATED	FIXED ALUMINUM	1
(D)	3'-0"	3'-6"	3'-6" AFF.	H6	J6	S6	CLEAR	FIXED ALUMINUM	2

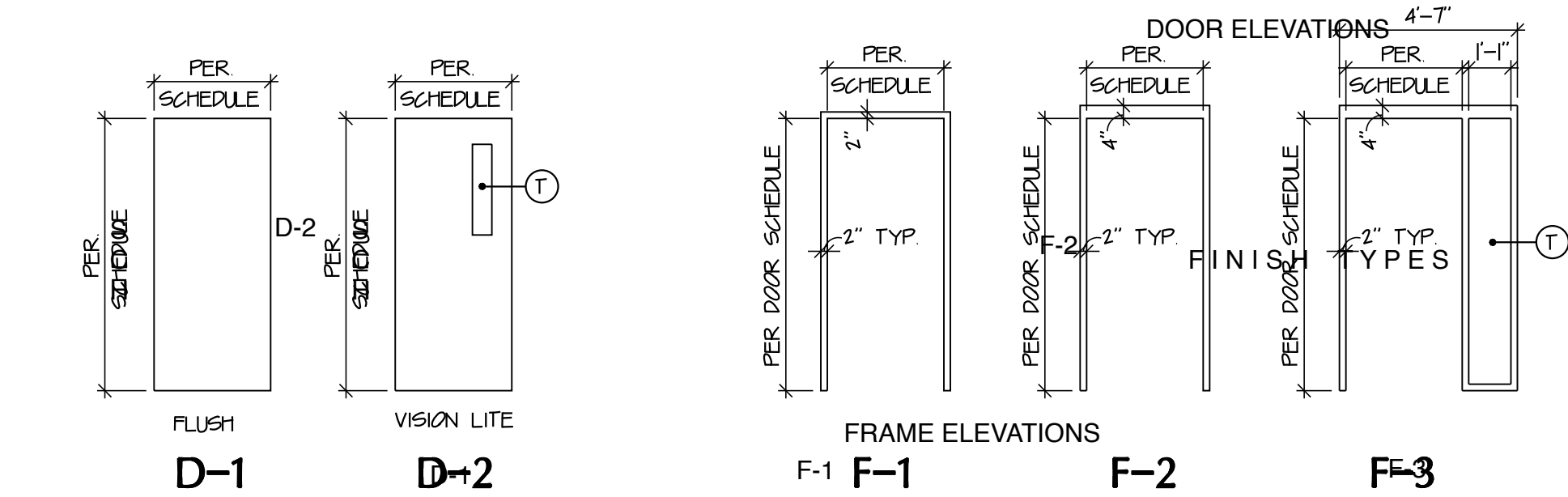
WINDOW SCHEDULE NOTES

- 3 HOUR FIRE WINDOW
- TRANSACTION WINDOW WITH BRUSHED STAINLESS STEEL DEAL TRAY (12"W x 10"D x 1-9/16"H) - PROVIDE CLEAR SECURITY FILM

ROOM FINISH SCHEDULE										
ROOM #	ROOM DESIGNATION	CEILINGS		W A L L S				FLOOR	BASE	NOTES
		HEIGHT	TYPE	NORTH	EAST	SOUTH	WEST			
101	VESTIBULE	9'-0"	C-3	P-1	P-1	P-1	P-1	EPX-1	W-1	5
102	WAREHOUSE	-	EXP. STRUCT.	-	-	-	-	CON-1	-	4, 8, 9
103	SECURITY	9'-0"	C-3	P-1	P-1	P-1	P-1	EPX-1	W-1	2, 5
104	MEN'S RESTROOM	9'-0"	C-1	P-1 / WP-1	P-1 / WP-1	P-1 / WP-1	P-1 / WP-1	EPX-1	W-2	2, 3, 5
105	WOMEN'S RESTROOM	9'-0"	C-1	P-1 / WP-1	P-1 / WP-1	P-1 / WP-1	P-1 / WP-1	EPX-1	W-2	2, 3, 5
106	RESTROOM	9'-0"	C-1	P-1 / WP-1	P-1 / WP-1	P-1 / WP-1	P-1 / WP-1	EPX-1	W-2	2, 3, 5
107	WAREHOUSE	-	EXP. STRUCT.	-	-	-	-	CON-1	-	4, 8, 9
108	CORRIDOR	9'-8"	C-2	P-1	P-1	P-1	P-1	CPT-1	W-3	6
109	OFFICE	9'-8"	C-2	P-1	P-1	P-1	P-1	CPT-1	W-3	6
110	CORRIDOR	9'-8"	C-2	P-1	P-1	P-1	P-1	CPT-1	W-3	6
111	RESTROOM	9'-0"	C-1	P-1 / CT-1	P-1 / CT-1	P-1 / CT-1	P-1 / CT-1	CT-2	W-4	2, 7, 10
112	COATS	9'-0"	GYPSUM	P-1	P-1	P-1	P-1	CPT-1	W-3	
113	OFFICE	9'-8"	C-2	P-1	P-1	P-1	P-1	CPT-1	W-3	6
114	OFFICE	9'-8"	C-2	P-1	P-1	P-1	P-1	CPT-1	W-3	6
115	OFFICE	9'-8"	C-2	P-1	P-1	P-1	P-1	CPT-1	W-3	6
116	OPEN OFFICE	10'-4"	C-2	P-1	P-1	P-1	P-1	CPT-1	W-3	6
117	OFFICE	10'-0"	C-2	P-1	P-1	P-1	P-1	CPT-1	W-3	6
118	RESTROOM	9'-0"	GYPSUM	P-1 / CT-1	P-1 / CT-1	P-1 / CT-1	P-1 / CT-1	CT-2	W-4	2, 7
119	OFFICE	10'-0"	C-2	P-1	P-1	P-1	P-1	CPT-1	W-3	6
120	CONFERENCE	10'-0"	C-2	EXP. BRICK	P-1	P-1	P-1	CPT-1	W-3	1, 6
121	JANITOR CLOSET	9'-0"	C-1	P-1/WP-1	P-1/WP-1	P-1/WP-1	P-1/WP-1	EPX-1	W-2	5

FINISH SCHEDULE NOTES

- NO WOOD BASE ON NORTH WALL. (EXISTING BRICK TO REMAIN)
- ALL PAINT IN THIS ROOM TO BE EPOXY
- PROVIDE FRP PANELS FROM 4" AFF. TO 6'-4" AFF.
- PROVIDE INTERIOR METAL LINER PANELS OVER EXTERIOR GIRTS TO CONCEAL INSULATION - SEE PLANS - TOP OF LINER PANEL TO BE 18'-0" AFF.
- PROVIDE 4" RUBBER BASE ON WAREHOUSE SIDE OF WALL
- PROVIDE 6" CROWN MOLDING IN ROOM AT CEILING TO WALL TRANSITIONS - MATCH EXISTING DOOR CASING FINISH AND STYLE AT OFFICE ENTRY
- PROVIDE CERAMIC TILE ON WALL FROM FLOOR TO 5'-0" AFF.
- ALL FREE-STANDING EXPOSED COLUMNS SHALL BE SHOP PRIMED AND SHALL RECEIVE TWO FINISH COATS OF "SAFETY YELLOW PAINT"
- PROVIDE DRY FALL PAINT ON UNDERSIDE OF ALL EXPOSED DECK AND STRUCTURE - COLOR TO BE "WHITE"
- PROVIDE 3/4" GRANITE TOP WITH PLYWOOD UNDERLAY AND UNDERMOUNT SINK



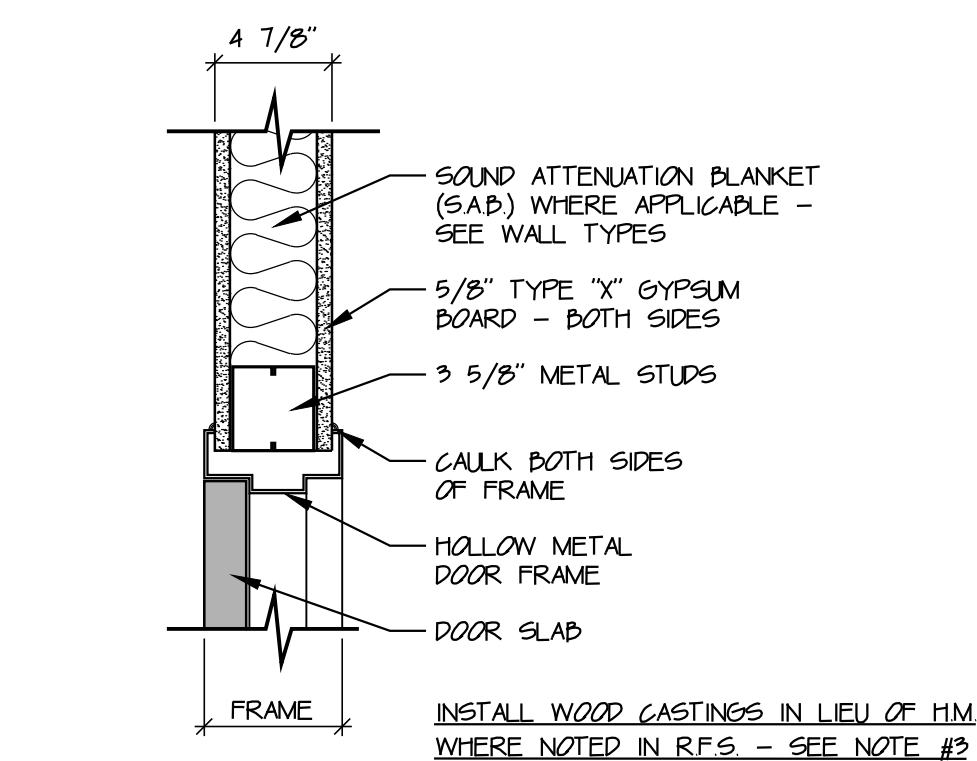
DOOR ELEVATIONS

① TEMPERED GLASS SCALE: 1/4" = 1'-0"

FRAME ELEVATIONS

① TEMPERED GLASS SCALE: 1/4" = 1'-0"

FINISH TYPES						
MATERIAL	DESIGNATION	BASIS OF DESIGN	TYPE / STYLE	SIZE / PATTERN	COLOR / FINISH	NOTES
PAINT	P-1	SHERWIN WILLIAMS	WALL PAINT	SATIN	AS SELECTED BY ARCHITECT	
	P-2	SHERWIN WILLIAMS	WALL PAINT	SATIN	AS SELECTED BY ARCHITECT	ACCENT WALLS
	P-3	SHERWIN WILLIAMS	WALL PAINT	SEMI-GLOSS	AS SELECTED BY ARCHITECT	HM DOORS, FRAMES + STAIRS
EPOXY	EPX-1	SIKA	EPOXY FLOORING	DECOFLAKE	AS SELECTED BY ARCHITECT	
	W-1	JOHNSONITE	STANDARD TOE	4" HIGH	AS SELECTED BY ARCHITECT	RENOVATIONS AND ADDITIONS
	W-2	SIKA	EPOXY FLOORING	4" HIGH	AS SELECTED BY ARCHITECT	
WOOD	W-3	-	SOLID WOOD BASE	4" HIGH	MATCH EXISTING	
	W-4	CROSSVILLE	READY TO WEAR COLLECTION	6" BASE	BUTTONED UP - AV311	
CONCRETE FLOORS	CON-1	WR MEADOWS	INDUROSHINE	LIQUI- HARD AND BELLATRIX	-	
	C-1	ARMSTRONG	CERAMAGUARD FINE FISSURED - 608	24" x 48" - 15/16" SQUARE LAY-IN	WHITE	PRELUDE SUSPENSION SYSTEM
	C-2	ARMSTRONG	CIRRUS HIGH NRC - 556	24" x 24" - ANGLED REGULAR 15/16"	WHITE	PRELUDE SUSPENSION SYSTEM
WALL PANELS	WP-1	MARLITE	STANDARD FRP	AS REQUIRED PER DRAWINGS	AS SELECTED BY ARCHITECT	
	CT-1	CROSSVILLE	READY TO WEAR COLLECTION	6" BASE	BUTTONED UP - AV311	
	CT-2	LOUISVILLE TILE	URBAN PLAN	6" X 24"	WEN	
WOOD DOORS	WD-1	ALGOMA	PLAIN SLICED BIRCH		MATCH EXISTING	
	CARPET	ROOM FINISH NOTES	CENTRIC - 5T124	TILE - MULTI-LEVEL PATTERN LOOP	BLUE HERRING - 17481	PROVIDE \$30 / SY. ALLOWANCE
WALL PANELS	WP-1	MARLITE	STANDARD FRP	AS REQUIRED PER DRAWINGS	AS SELECTED BY ARCHITECT	
	CT-1	CROSSVILLE	READY TO WEAR COLLECTION	6" BASE	BUTTONED UP - AV311	
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	CARPET	ROOM FINISH NOTES	CENTRIC - 5T124	TILE - MULTI-LEVEL PATTERN LOOP	BLUE HERRING - 17481	



SECTION 01 00 00 – GENERAL REQUIREMENTS

- I. PROVIDE COMPETENT PROJECT MANAGEMENT, SUPERVISION AND LAYOUT OF PROJECT THROUGHOUT ALL PHASES OF WORK.
- II. PROVIDE SALES TAX, NECESSARY TEMPORARY FACILITIES AND UTILITIES, AND CONSTRUCTION OFFICE AND STORAGE FACILITIES.
- III. PROVIDE TRASH REMOVAL AND REGULAR, SCHEDULED CLEANUP OF WORK AREA.
- IV. PROVIDE SHOP DRAWINGS, MATERIAL SAMPLES AND PRODUCT DATA AS REQUESTED, FOR APPROVAL PRIOR TO INSTALLATION.
- V. WORK OF ALL TRADES SHALL BE COORDINATED. EACH CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE FULLY WITH OTHER TRADES, AND PROTECT ALL FINISHED WORK FROM DAMAGE.
- VI. PARKING AND MATERIAL STORAGE SHALL BE COORDINATED WITH THE CONSTRUCTION MANAGER.
- VII. ALL MATERIALS AND LABOR SHALL BE GUARANTEED FOR ONE (1) YEAR UNLESS SPECIFICALLY STATED. ROOFING SHALL BE GUARANTEED FOR TWENTY (20) YEARS.
- VIII. ALL WORK SHALL COMPLY WITH LOCAL, STATE AND FEDERAL CODES AND STANDARDS.
- IX. ALL CONTRACTORS SHALL MAINTAIN LIABILITY INSURANCE DURING THE TERM OF CONSTRUCTION IN THE AMOUNTS OF \$1,000,000 FOR BODILY OR PERSONAL INJURY; \$500,000 PROPERTY DAMAGE, OR A SINGLE LIMIT OF \$1,000,000 FOR BODILY AND PERSONAL INJURY AND PROPERTY DAMAGE COMBINED. COPIES OF INSURANCE TO BE SUBMITTED TO GENERAL CONTRACTOR BEFORE STARTING WORK.
- X. BEFORE FINAL PAYMENTS SHALL BE RELEASED, ALL AS-BUILT PLANS, SUBMITTALS, INSURANCE CERTIFICATES, WAIVER AND OTHER ITEMS AS MAY BE REQUIRED MUST BE SUBMITTED.
- XI. MATERIALS USED IN THIS WORK SHALL CONFORM TO THE LATEST STANDARD SPECIFICATIONS OF THE APPROPRIATE INDUSTRY AGENCY. THE WORKMANSHIP SHALL BE CONSISTENT WITH THE BEST PRACTICES OF THE VARIOUS BUILDING TRADES.
- XII. THE WORD "PROVIDE" SHALL MEAN "FURNISH AND INSTALL."
- XIII. SEE SHEET A 51 FOR ADDITIONAL SPECIFICATION AND FINISH INFORMATION.
- XIV. AIA DOCUMENT A201 – "GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION" SHALL BE PART OF THESE SPECIFICATIONS.

SECTION 03 00 00 – CONCRETE

- I. SEE STRUCTURAL DRAWINGS FOR CONCRETE STRENGTH INFORMATION.
- II. REINFORCING
 - A. REINFORCING STEEL: ASTM A465, 60 KSI YIELD GRADE BILLET STEEL DEFORMED BARS, UNCOATED FINISH.
 - B. WELDED STEEL WIRE FABRIC: PLAIN TYPE, ANSI/ASTM A185, IN FLAT SHEETS, UNCOATED FINISH.
- III. PERIMETER INSULATION – SHALL BE EQUIVALENT TO 1-1/2" THICK STYROFOAM AS MANUFACTURED BY THE DOW CHEMICAL COMPANY OR EQUAL.
- IV. SCHEDULE OF FINISHES
 - A. PROVIDE STEEL TROWEL FINISH FOR ALL INTERIOR FLOOR SLABS.
- V. PROVIDE SAWN CONTROL JOINTS IN FLOOR SLAB PER STRUCTURAL DRAWINGS.
 - A. TYPICAL SAWN CONTROL JOINTS SHALL BE 25% OF THE FLOOR THICKNESS.

SECTION 05210 – STRUCTURAL STEEL

- I. MATERIALS:
 - A. STRUCTURAL STEEL MEMBERS: ASTM A36
 - B. STRUCTURAL TUBING: ASTM A500, GRADE B.
 - C. BOLTS, NUTS, AND WASHERS USED IN CONJUNCTION WITH STRUCTURAL STEEL CONNECTIONS: ASTM A325
- II. FINISH:
 - A. PREPARE ALL ITEMS AND SHOP PRIME WITH ONE COAT OF RUST INHIBITIVE PRIMER.

SECTION 05 50 00 – METAL FABRICATIONS

- I. GENERAL: METAL FABRICATIONS TO INCLUDE BUT NOT LIMITED TO THE FOLLOWING:
 - A. DOOR FRAMES
 - B. BOLLARDS
 - C. RAILINGS, LADDERS & GAGES
 - D. GUARDRAILS
- II. SUBMITTALS: IN ADDITION TO PRODUCT DATA, SUBMIT SHOP DRAWINGS SHOWING DETAILS OF FABRICATION, ASSEMBLY AND INSTALLATION INCLUDING TEMPLATES FOR ANCHOR BOLT PLACEMENT.
- III. STEEL PLATES, SHAPES, AND BARS: ASTM A 36
- IV. STRUCTURAL STEEL SHEET: ASTM A 570 OR ASTM A 481, CLASS 1, OF GRADE REQUIRED FOR DESIGN LOADING.
- V. STEEL PIPE: ASTM A 53, TYPE AND GRADE AS REQUIRED FOR DESIGN LOADING.
- VI. NON-SHRINK NON-METALLIC GROUT: CE CRD-6611, NON-STAINING, NON-CORROSIVE, NON-GASEOUS RECOMMENDED BY MANUFACTURER FOR TYPES OF APPLICATIONS INDICATED.
- VII. FASTENERS: PROVIDE BOLTS, NUTS, LAG BOLTS, MACHINE SCREWS, WOOD SCREWS, TOGGLE BOLTS MASONRY ANCHORAGE DEVICES, LOCK WASHERS AS REQUIRED FOR APPLICATION INDICATED AND COMPLYING WITH APPLICABLE FEDERAL STANDARDS. HOT-DIP GALVANIZE FASTENERS FOR EXTERIOR APPLICATIONS TO COMPLY WITH ASTM A 193.
- VIII. FINISHING:
 - A. EXTERIOR FERROUS METAL: GALVANIZED, ASTM A123/A123M, TO 1.3 OUNCES PER SQ. FT.
 - B. INTERIOR FERROUS METAL: SHOP PAINTED EXCEPT STEEL TO BE ENCASED IN CONCRETE AND SURFACES TO BE WELDED. SURFACE PREPARATION: SSPC SP1 – HAND TOOL CLEANING OR SP3-POWER TOOL CLEANING APPLICATION PRIMER APPLIED PRIOR TO DELIVER AND TOUCHED UP IN FIELD – PROVIDE ONE FINISH COAT PER MANUFACTURER'S INSTRUCTIONS. MINIMUM DRY FILM THICKNESS: 2.0 MILS.
- IX. FABRICATION, GENERAL: USE MATERIALS OF SIZE AND THICKNESS SHOWN OR, IF NOT SHOWN, OF REQUIRED SIZE, GRADE AND THICKNESS TO PRODUCE STRENGTH AND DURABILITY IN FINISHED PRODUCT. SHOP-PAINT ALL ITEMS NOT SPECIFIED TO BE GALVANIZED AFTER FABRICATION. WELD CORNERS AND SEAMS CONTINUOUSLY; GRIND EXPOSED WELDS SMOOTH AND FLUSH. FORM EXPOSED CONNECTIONS WITH HAIRLINE, FLUSH JOINTS; USE CONCEALED FASTENERS WHERE POSSIBLE.
- X. LOOSE BEARING PLATES: PROVIDE FOR STEEL ITEMS BEARING ON CONCRETE, AS INDICATED.
- XI. MISCELLANEOUS FRAMING AND SUPPORTS: PROVIDE AS REQUIRED TO COMPLETE WORK AND NOT INVALUED WITH STRUCTURAL STEEL FRAMEWORK. FABRICATE OR WELDED CONSTRUCTION IN AS LARGE UNITS AS POSSIBLE; DRILL AND TAP AS REQUIRED TO RECEIVE HARDWARE AND SIMILAR ITEMS. INCLUDE REQUIRED ANCHORS FOR BUILDING INTO OTHER WORK, SPACED NOT MORE THAN 24" OC.

METAL FABRICATIONS CON'T

- XII. SCHEDULE:
 - A. GUARD RAILS AND HANDRAILS
 - 1. FABRICATE FROM STEEL PIPE OR TUBE STOCK OF SIZES AND TYPES INDICATED.
 - 2. MAKE BENDS UNIFORM AND FREE FROM BUCKLES AND OTHER DEFECTS.
 - 3. CUT INTERSECTIONS SQUARE TO WITHIN 2 DEGREES AND TO LENGTH WITHIN 1/8 INCH. REMOVE BURRS FROM CUT ENDS.
 - 4. MITER AND COPE INTERSECTIONS WITHIN 2 DEGREES, FIT WITHIN 1/8 INCH.
 - 5. CONTINUOUSLY WELD CONNECTIONS.
 - B. LADDERS
 - 1. SIDE RAILS: CONTINUOUS STEEL FLAT BARS, 1/2" x 2 1/2 INCHES, EASED EDGES, SPACED 12 INCHES ON CENTER, FIT RUNGS IN CENTERLINE OF SIDE RAILS AND FLUSH WELD ON OUTER RAIL FACE.
 - 2. SUPPORT LADDERS AT TOP, BOTTOM AND AT INTERMEDIATE POINTS SPACED MAX. 5'-0" ON CENTER WITH STEEL BRACKETS, WELDED OR BOLTED TO SUPPORTS.
 - C. BOLLARDS
 - 1. FABRICATE FROM STEEL PIPE OF SIZES AS INDICATED ON DRAWINGS. SET INTO CONCRETE FOOTING AS INDICATED ON DRAWINGS.
 - 2. FILL PIPE WITH CONCRETE, ROD TO CONSOLIDATE, DOME TOP TO SHED WATER.
 - 3. BOLLARD TO RECEIVE PRIMER COAT AND FINISH "SAFETY YELLOW" – ONE COAT.

JOINT SEALER REQUIREMENTS

- I. RELATED WORK BY OTHERS:
 - D. SEALANT IN CONJUNCTION WITH METAL PANEL SYSTEM.
- II. TYPE 1 SEALANT, EQUIVALENT TO SONOLAC AS MANUFACTURED BY SONNEBORN SHALL BE USED AT:
 - 1. PERIMETER OF HOLLOW METAL DOOR FRAMES.
 - 2. UNDER THRESHOLDS.
- III. TYPE 2 SEALANT, ACOUSTICAL SEALANT FOR EXPOSED AND CONCEALED JOINTS AS MANUFACTURED BY SONNEBORN SHALL BE USED AT:
 - 1. AT ALL DISSIMILAR MATERIALS.
- IV. SELF-EXPANDING FOAM JOINT SEALANT FOR EXPANSION JOINTS IN EXTERIOR WALLS SHALL BE WILLY-SEAL 150, CHARCOAL COLORED ITEM NO. 6999 AS MANUFACTURED BY ILLbruck.
- V. USE CLOSED-CELL BACKER RODS AT EXTERIOR WALL LOCATIONS.

INSULATION REQUIREMENTS

- I. SECTION INCLUDES SOUND BATT INSULATION WITHIN WALL STUD CAVITIES AND RIGID INSULATION AT EXTERIOR WALLS AND AT BELOW-SLAB CONDITIONS.
- II. ACCEPTABLE MANUFACTURERS
 - A. OWENS CORNING
 - B. CERTANTEED
 - C. JOHNS MANVILLE
 - D. DOW CHEMICAL
 - E. CARLISLE
 - F. APPROVED EQUALS BY ARCHITECT
- III. MATERIALS
 - A. INTERIOR WALL CAVITY INSULATION SHALL BE UNFACED GLASS FIBER ACOUSTICAL INSULATION COMPLYING WITH ASTM C 469, TYPE 1.
 - 1. SURFACE BURNING CHARACTERISTICS WHEN TESTED IN ACCORDANCE WITH ASTM E 84
 - A. MAX. FLAME SPREAD: 10
 - B. MAX. SMOKE DEVELOPED: 10WHEN TESTED IN ACCORDANCE WITH ASTM E 84.
 - 2. COMBUSTION CHARACTERISTICS: PASSES ASTM E 136
 - 3. FIRE RESISTANCE RATINGS: PASSES ASTM E 119 AS PART OF A COMPLETE FIRE TESTED WALL ASSEMBLY.
 - 4. DIMENSIONAL STABILITY: LINEAR SHRINKAGE LESS THAN 0.1%
 - 5. SIZES / RATINGS
 - A. AT 3-5/8" STUD LOCATIONS, PROVIDE 3-5/8" BATTS – MIN. STC RATING: 50
 - B. BOARD INSULATION USED AT FOUNDATION PERIMETER WALLS SHALL BE EQUIVALENT TO STYROFOAM HIGHLOAD 100 AS MANUFACTURED BY THE DOW CHEMICAL CO. – 2" THICK.
 - C. BOARD INSULATION USED AT PERIMETER WALL STUDS SHALL BE EQUIVALENT TO STYROFOAM SQUAREEDGE AS MANUFACTURED BY THE DOW CHEMICAL CO. – 1-1/2" THICK.
 - D. EXPANDABLE FOAM INSULATION: CORE-FILL 500 FOAM INSULATION AS MANUFACTURED BY TAILORED CHEMICAL PRODUCTS INC.
- IV. MOISTURE CONTROL:
 - A. VAPOR BARRIER INSTALLED UNDER CONCRETE FLOOR SLAB SHALL BE MINIMUM 15 MILS AND SHALL MEET ASTM E 1749, CLASS A – INSTALL PER MANUFACTURER'S RECOMMENDATIONS
 - I. ACCEPTABLE MANUFACTURERS
 - A. STEGO WRAP 15 MIL VAPOR BARRIER (BASIS OF DESIGN)
 - B. GRADE CONSTRUCTION PRODUCTS
 - C. WR. MEADOWS
 - D. APPROVED EQUALS
 - A. VAPOR RETARDER INSTALLED BETWEEN STUDS AND GYPSUM BOARD AT OFFICE EXTERIOR WALL FURRING – TYPE I, ASTM D4971, POLYETHYLENE FILM FOR ABOVE GRADE APPLICATION, 6 MIL THICK WITH A MAX. PERMEANCE RATING OF 0.19 PERM. INSTALL PER MANUFACTURER'S RECOMMENDATIONS WITH ALL REQUIRED ACCESSORIES AND SEALANTS.
- V. INSTALLATION:
 - A. INSTALL INSULATION PER MANUFACTURER'S RECOMMENDATIONS AND PER NOTES ON DRAWINGS, TYP.
- V. WARRANTY:
 - A. PROVIDE MANUFACTURER'S STANDARD WARRANTY FOR PRODUCTS AND ACCESSORIES.

SECTIONAL OVERHEAD DOORS

- I. OVERHEAD DOORS TO BE MOTOR OPERATED WITH OVERHEAD COUNTER BALANCE DEVICE; INTERIOR FACE MAINTAINED, FORMED STEEL SECTIONS BRACED TO STRUCTURE, VINYL WEATHER STRIPPING, PROVIDE LIFT CLEARANCE TRACK AND VERIFY INSTALLATION WITH MANUFACTURER.
- II. BASIS OF DESIGN TO BE SERIES 418 INSULATED STEEL DOOR BY OVERHEAD DOOR CORPORATION.
 - A. 2 INCH THICK PANEL WITH POLYSTYRENE INSULATION (R-VALUE OF 7.9; U-VALUE OF 0.136)
 - B. PARTIAL GLAZING TO BE INSULATED DOUBLE STRENGTH GLASS, 24 INCH BY 7 INCH WINDOW.
 - C. FINISH TO BE TWO COAT BAKED-ON POLYESTER WITH WHITE EXTERIOR AND INTERIOR COLOR.
 - D. PROVIDE GALVANIZED STEEL HINGES AND HARDWARE FIXTURES. KEYED LOCK WITH INTERLOCK SWITCH FOR AUTOMATIC OPERATOR. PROVIDE FLEXIBLE BULB-TYPE WEATHERSTRIPPING AT BOTTOM SECTION WITH FLEXIBLE JAMB AND HEADER SEALS. PROVIDE TRACK AS RECOMMENDED BY MANUFACTURER TO SUIT LOADING REQUIRED AND CLEARANCES AVAILABLE.
 - E. ELECTRIC MOTOR OPERATION: PROVIDE UL LISTED ELECTRIC OPERATOR, SIZE AND TYPE AS RECOMMENDED BY MANUFACTURER TO MOVE DOOR IN EITHER DIRECTION AT NOT LESS THAN 1/3 FOOT AND NOT MORE THAN 1 FOOT PER SECOND. OPERATION SHALL MEET UL325/1200 REQUIREMENTS FOR CONTINUOUS MONITORING OF SAFETY DEVICES. PROVIDE INTERIOR PUSH-BUTTON OPERATED CONTROL STATIONS WITH OPEN, CLOSE AND STOP BUTTONS.
 - F. INSTALL IN ACCORDANCE WITH APPROVED SHOP DRAWINGS AND PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS. ADJUST DOOR TO SMOOTH OPERATION AND IN FULL CONTACT WITH WEATHERSTRIPPING. REPAIR ANY DAMAGE PRIOR TO COMPLETION.

STEEL DOORS & FRAMES

- I. ACCEPTABLE MANUFACTURERS:
 - A. CURRIES
 - B. STEELCRAFT
 - C. REPUBLIC
- II. HOLLOW METAL FRAMES
 - A. ALL HOLLOW METAL FRAMES FOR USE IN STEEL FRAMED PARTITIONS SHALL BE 16 GAGE DRYWALL FRAMES.
 - B. ALL OTHER HOLLOW METAL FRAMES SHALL BE 16 GAGE WELDED FLUSH FRAMES.
 - C. ALL FRAMES SHALL BE PROVIDED WITH JAMB ANCHORS AS REQUIRED FOR THE TYPE OF WALL CONSTRUCTION INTO WHICH THE FRAMES WILL BE INSTALLED.
- III. HOLLOW METAL DOORS
 - A. ALL HOLLOW METAL DOORS SHALL BE 18 GAGE FLUSH DOORS WITH POLYSTYRENE CORE.
- IV. HOLLOW METAL FINISH & ACCESSORIES
 - A. ALL HOLLOW METAL DOORS AND FRAMES SHALL BE PHOSPHATIZED AND RECEIVE ONE SHOP COAT OF BAKED ON PRIME PAINT.
 - B. PROVIDE RUBBER SILENCERS MADE OF RESILIENT RUBBER.
- V. FIRE RATED DOORS AND FRAMES
 - A. WHERE UL RATING IS REQUIRED, ATTACH LABELS TO EACH FRAME AND DOOR UNIT SO LABELS ARE VISIBLE AFTER DOORS AND FRAMES HAVE BEEN INSTALLED.
 - B. ALL DOORS AND FRAMES REQUIRED TO HAVE UL RATING SHALL BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE UNDERWRITERS LABORATORIES FOR THE LABEL REQUIRED.
 - C. ALL DOORS AND FRAMES REQUIRED TO HAVE UL RATING SHALL HAVE BEEN TESTED IN ACCORDANCE WITH NFPA 252 OR UL 10C.
- VI. INSTALLATION
 - A. INSTALL FRAME IN ACCORDANCE WITH SDI-105 AND DOORS IN ACCORDANCE WITH DMI.
 - B. COORDINATE WITH WALL CONSTRUCTION FOR ANCHOR PLACEMENT AND INSTALL FRAMES PLUMB AND SQUARE. ENSURE FRAMES ARE SECURELY ANCHORED TO ADJACENT CONSTRUCTION.
 - C. AFTER INSTALLATION, TOUCH-UP SCRATCHED OR DAMAGED SURFACES WITH PRIMER AS RECOMMENDED BY HOLLOW METAL MANUFACTURER.

DOOR HARDWARE REQUIREMENTS

- I. LOCKSETS:
 - A. LOCKSETS SHALL BE MORTISE TYPE OF SAME SERIES AND MANUFACTURER AS EXISTING LOCKSETS.
 - B. LATCH OPERATING MECHANISM FOR ALL SWINGING DOORS SHALL BE LEVERS, NOT KNOBS. LEVER DESIGN TO BE AS SELECTED BY OWNER.
 - C. ALL LOCKSETS SHALL PERMIT EGRESS AT ALL TIMES WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR SPECIAL EFFORT.
- II. HINGES
 - A. HINGES SHALL BE EQUIVALENT TO THOSE AS MANUFACTURED BY HAGER, STANLEY OR MCKINNEY.
 - B. ALL BALL BEARING HINGES SHALL BE REGULAR DUTY.
 - C. THE MAXIMUM FORCE FOR PUSHING OR PULLING ANY EXTERIOR DOOR SHALL BE NO MORE THAN NECESSARY CONSISTENT WITH THE NEED THAT THE DOOR WILL CLOSE AND LATCH UNDER NORMAL CONDITIONS.
- IV. THE FINISH OF ALL HARDWARE ITEMS WHICH COME IN PLATED FINISH SHALL BE US240, DULL CHROME.
- V. THE MAKE AND MODEL OF ALL OTHER ITEMS OF FINISH HARDWARE SHALL BE SUBJECT TO OWNER'S APPROVAL.
- VI. KEYING:
 - A. ALL LOCKS SHALL BE OPERABLE BY THE MASTER KEY.
 - B. KEYING SCHEDULE SHALL BE DETERMINED IN CONSULTATION WITH THE OWNER.
- VII. SUBMIT A FINISH HARDWARE SCHEDULE FOR REVIEW BY THE ARCHITECT.

ROOFING, SHEETMETAL & ACCESS. REQUIREMENTS

- I. THE ROOFING SYSTEM SHALL BE EQUIVALENT TO THE SURE-WHITE FULLY ADHERED EPDM MEMBRANE ROOFING SYSTEM AS MANUFACTURED BY CARLISLE SYNTEC SYSTEMS INSTALLED OVER RIGID INSULATION ON METAL DECK.
 - A. EQUAL PRODUCTS AS APPROVED BY OWNER / ARCHITECT.
 - B. ROOFING SYSTEM SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. ROOFING SUBCONTRACTOR SHALL SUBMIT SHOP DRAWINGS WHICH SHALL BEAR THE THE APPROVAL OF CARLISLE SYNTEC SYSTEMS PRIOR TO BEGINNING THE WORK. SHOP DRAWINGS SHALL IDENTIFY THE MANUFACTURER OF THE VARIOUS MATERIALS AND THE RATE OF FASTENERS THAT WILL BE APPLIED.
 - C. IN ADDITION TO IDENTIFICATION OF THE PROJECT, THE SHOP DRAWINGS SHALL INCLUDE OUTLINE OF ROOF AND ROOF SIZE, TYPE OF ROOF MEMBRANE SYSTEM TO BE INSTALLED, LOCATION AND TYPE OF ALL PENETRATIONS, NUMBER OF MEMBRANE SHEETS, TYPE OF ALL PENETRATIONS, NUMBER OF MEMBRANE SHEETS AND THEIR RESPECTIVE SIZES, NUMBER OF FLASHING ROLLS BY WIDTH, INSULATION TYPE, BRAND AND THICKNESS, WARRANTY TYPE AND PERIOD, REFERENCE TO ALL STANDARD CARLISLE DETAILS TO BE USED, 1-1/2" PER FOOT SCALE DRAWINGS OF ANY SPECIAL DETAILS TO BE USED, 1-1/2" PER FOOT SCALE DRAWINGS OF ANY SPECIAL DETAILS TO BE USED AND LAYOUT OF ALL AREAS OF TAPERED INSULATION.
 - D. THE SYSTEM SHALL CONFORM TO FM 1-90 WIND UPLIFT CODE AND ALL COMPONENTS SHALL BE FMRC APPROVED FOR CLASS 1 NONCOMBUSTIBLE ROOF.
- II. MATERIALS:
 - A. MEMBRANE: 60 MIL, REINFORCED WHITE EPDM.
 - B. ROOF INSULATION SHALL BE POLYISOCYANURATE HP-H AS MANUFACTURED BY CARLISLE SYNTEC SYSTEMS. INSULATION SHALL BE TWO LAYERS, EACH LAYER SHALL BE 2" THICK WITH JOINTS STAGGERED ON BOTH AXIS, UNLESS NOTED OTHERWISE. PROVIDE MINIMUM R-20 INSULATION VALUE ON ROOF.
 - C. TAPERED PERLITE INSULATION SHALL BE USED TO DEVELOP SADDLES AS REQ.
 - D. SHEETMETAL FLASHING AS REQUIRED SHALL BE FABRICATED OF 26 GAGE "PAINT-GRIP" TYPE GALVANIZED IRON. GALVANIZED COATING SHALL BE A MINIMUM OF 125 OZ/SQ. FT.
- III. PROVIDE TWENTY (20) YEAR WARRANTY FOR THE ROOFING SYSTEM.
- IV. ROOFING SUBCONTRACTOR SHALL ALSO REWORK EXISTING ROOFING AS REQUIRED TO EFFECT WITH NEW ROOFING SYSTEM AT EXISTING OFFICE AREA AND ADDITION THIS WORK SHALL BE ACCOMPLISHED IN A MANNER REQUIRED TO MAINTAIN THE INTEGRITY OF THE EXISTING ROOF MATERIAL AND WARRANTY. ALL EXISTING SURFACES USED AS SUBSTRATE TO ADHERE ROOF MEMBRANE TO SHALL BE CLEANED AND DRIED PRIOR TO INSTALLATION OF MEMBRANE.

GYPSUM BOARD REQUIREMENTS

- I. GYPSUM BOARD MATERIALS SHALL BE EQUIVALENT TO THOSE SPECIFIED BELOW AS MANUFACTURED BY US GYPSUM. TYPE, THICKNESS AND LOCATION PER DRAWINGS.
 - A. PROVIDE GYPSUM BOARD MATERIALS IN ACCORDANCE WITH RECOMMENDATIONS OF GA 216.
 - B. STANDARD GYPSUM BOARD: 5/8 INCH THICK, USG SHEETROCK BRAND REGULAR GYPSUM PANELS – TYPICAL WALLS AND SOFFITS, UNO.
 - C. WATER RESISTANT GYPSUM BOARD: 5/8" THICK USG FIBERROCK AQUA-TOUGH GYPSUM BOARD PANELS – LOCATION AS INDICATED ON DRAWINGS.
 - II. GYPSUM BOARD ACCESSORIES
 - A. CORNER BEADS: METAL.
 - B. EDGE TRIM: 200-A METAL TRIM CASING BEAD.
 - C. REINFORCING TAPE, JOINT COMPOUND, ADHESIVE, WATER, FASTENERS: GA 216 AND AS MANUFACTURED BY GYPSUM BOARD MANUFACTURER.
 - D. EXPANSION JOINTS SHALL BE AS RECOMMENDED BY MANUFACTURER AND AS NOTED ON THE DRAWINGS.
 - IV. MANUFACTURERS
 - A. USG
 - B. NATIONAL GYPSUM COMPANY
 - C. CERTANTEED
 - D. GEORGIA PACIFIC
 - E. APPROVED EQUALS BY ARCHITECT
 - IV. FINISHING
 - A. ALL NEW DRYWALL SHALL RECEIVE A LEVEL FOUR (4) FINISH AS DESCRIBED BY THE GYPSUM ASSOCIATION DOCUMENT GA-214-10 UNLESS NOTED OTHERWISE.
 - V. GENERAL – SEE WALL TYPES FOR ADDITIONAL INFORMATION.
- PREFORMED METAL SIDING**
- I. SIDING PANEL SHALL BE 26 GAUGE PANEL. STYLE AND COLOR SHALL BE SELECTED BY OWNER.
 - II. BASIS OF DESIGN: MATCH EXISTING WALL PANELS – NUGOR "REVERSE CLASSIC" VERTICAL PANEL – COLOR: "BURNISHED SLATE". PROVIDE SAMPLE FOR REVIEW.
 - III. PERFORMANCE REQUIREMENTS:
 - A. AIR INFILTRATION: ASTM E 283.
 - B. WATER PENETRATION: ASTM E 391.
 - C. STRUCTURAL PROPERTIES: ASTM E 72.
 - D. THERMAL: ASTM C 236.
 - D. STEEL FOR PAINTING/COATING: HOT-DIP ZINC COATED STEEL SHEET, ASTM A 446, GRADE A, EXCEPT AS OTHERWISE INDICATED; 99.0 ZINC COATING; SURFACE TREATED FOR MAXIMUM COATING PERFORMANCE.
 - C. FASTENERS: MANUFACTURER'S STANDARD, WITH EXPOSED GASKETED HEADS.
 - D. ACCESSORIES: PROVIDE MANUFACTURER'S STANDARD AND ACCESSORIES AS REQUIRED FOR A COMPLETE INSTALLATION INCLUDING TRIM, COPINGS, FASCIA, GRAVEL STOPS, MULLIONS, SILLS, FLASHING, CORNER UNITS, RIDGE CLOSURES, CLIPS, SEAM CLOSURES, BATTENS, GUTTERS, DOWNSPOUTS, LOUVERS, GASKETS, SEALANTS AND SIMILAR ITEMS.
 - E. METAL FINISHES: APPLY COATING EITHER BEFORE OR AFTER FORMING AND FABRICATING PANELS AS REQUIRED BY COATING PROCESS OR FOR MAXIMUM COATING PERFORMANCE. PROVIDE COLOR AS SELECTED BY OWNER FROM MANUFACTURER'S STANDARD COLORS. FINISH SHALL BE BAKED-ON FLUOROPOLYMER COATING SYSTEM CONSISTING OF EPOXY OR URETHANE PRIMER AND FLUOROPOLYMER TOPCOAT WITH DRY FILM THICKNESS OF NOT LESS THAN 0.2 MIL FOR PRIMER AND 10 MIL FOR TOPCOAT.
 - IV. COMPLY WITH PANEL MFR'S INSTRUCTIONS FOR ANCHORAGE, JOINT SEALERS, FLASHING AND TRIM FOR THE PROPER AND PERMANENT INSTALLATION OF PANELS, WITH PROVISIONS FOR THERMAL EXPANSION, ERECTED IN PANEL PATTERN INDICATED.



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RENOVATIONS AND ADDITIONS
FOR
Republic Wire
UNION CENTRE DRIVE
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Sheet Title	
ARCHITECTURE SPECIFICATIONS	
Project No.	97333.33
Scale	AS NOTED
Sheet No.	A7.1
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GLAZING

- I. SYSTEM DESCRIPTION
- A. PROVIDE GLASS AND GLAZING THAT HAS BEEN PRODUCED, FABRICATED, AND INSTALLED TO WITHSTAND NORMAL THERMAL MOVEMENT, WIND LOADING AND IMPACT LOADING (WHERE APPLICABLE) WITHOUT FAILURE OF PRODUCTS OR DETERIORATION OF SYSTEM.
- II. QUALITY ASSURANCE
- A. GLAZING STANDARDS COMPLY WITH RECOMMENDATIONS OF GLASS ASSOCIATION OF NORTH AMERICA (GANA), "GLAZING MANUAL" AND "SEALANT MANUAL" EXCEPT WHERE MORE STRINGENT REQUIREMENTS ARE INDICATED.
- B. SAFETY GLAZING STANDARD: "SAFETY STANDARD FOR ARCHITECTURAL GLAZING MATERIALS" 16 CFR PART 1201, AND AS EXPRESSED IN THE APPLICABLE BUILDING CODE.
- III. WARRANTY
- A. MANUFACTURER'S SPECIAL PROJECT WARRANTY ON LAMINATED GLASS: PROVIDE WRITTEN WARRANTY SIGNED BY MANUFACTURER OF LAMINATED GLASS AGREEING TO FURNISH REPLACEMENTS FOR LAMINATED GLASS DEVELOPING DEFECTS AS DEFINED IN SYSTEM DESCRIPTION. PORTION OF THIS SECTION WITHIN SPECIFIED WARRANTY PERIOD INDICATED BELOW. REPLACEMENTS FOR THOSE LAMINATED GLASS UNITS WHICH DEVELOP MANUFACTURING DEFECTS.
- I. WARRANTY PERIOD: MANUFACTURER'S STANDARD BUT NOT LESS THAN FOUR (4) YEARS AFTER DATA OF SUBSTANTIAL COMPLETION OF THE PROJECT.
- IV. MANUFACTURERS
- A. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE STANDARD, NON-RATED PRODUCTS OF ONE OF THE FOLLOWING:
- I. PPG INDUSTRIES, INC.
2. PILKINGTON BUILDING PRODUCTS NORTH AMERICA (FORMERLY LOF GLASS, INC.)
3. CARDINAL IG
- BASIS OF DESIGN: PPGSOLARBAN XL (2) WITH SOLARGREY
- V. GLASS PRODUCTS
- A. SIZES: FABRICATE GLASS TO SIZES REQUIRED FOR GLAZING OPENINGS INDICATED, WITH EDGE CLEARANCES AND TOLERANCES COMPLYING WITH RECOMMENDATIONS OF GLASS MANUFACTURER. PROVIDE 1/4-INCH MINIMUM THICKNESS, UNLESS OTHERWISE INDICATED, OR AS RECOMMENDED BY GLASS MANUFACTURER FOR APPLICATION INDICATED.
- B. PROVIDE ANNEALED, HEAT STRENGTHENED, OR TEMPERED, AS INDICATED AND AS REQUIRED BY CODES.
- C. PROVIDE HEAT-TREATED PANES OF KIND AND AT LOCATIONS INDICATED OR IF NOT INDICATED, PROVIDE HEAT-STRENGTHENED PANES WHERE RECOMMENDED BY MANUFACTURER FOR APPLICATION INDICATED AND TEMPERED AND WHERE INDICATED OR WHERE SAFETY GLASS IS DESIGNATED OR REQUIRED.
- D. LAMINATED GLASS: TWO (2) PANES OF GLASS OF EQUAL THICKNESS, LAMINATED TOGETHER WITH NOT LESS THAN 0.030-INCH THICK PLASTIC INTERLAYER AND COMPLYING WITH REQUIREMENTS INDICATED BELOW:
- I. GLASS CHARACTERISTICS: FLOAT GLASS, COMPLYING WITH REQUIREMENTS FOR GLASS, TINT, KIND AND THICKNESS OF EACH PANE (PLY) INDICATED BELOW:
- a. GLASS 1: CLEAR FOR BOTH PANES.
- b. COLOR OF PLASTIC INTERLAYER: CLEAR.
- VI. EXAMINATION
- A. EXAMINE ALL MEMBERS, SURFACES, AND CONDITIONS FOR COMPLIANCE WITH REQUIREMENTS FOR INSTALLATION, TOLERANCES AND OTHER CONDITIONS AFFECTING GLASS INSTALLATION AND PERFORMANCE. IMMEDIATELY REPORT ANY UNSATISFACTORY CONDITIONS.
- VII. GLAZING, GENERAL
- A. PROTECT GLASS FROM EDGE DAMAGE DURING HANDLING AND INSTALLATION.
- VIII. PROTECTION AND CLEANING
- A. PROTECT GLASS FROM BREAKAGE IMMEDIATELY UPON INSTALLATION. REMOVE NON-PERMANENT LABELS AND CLEAN SURFACES.
- I. PROVIDE CONSPICUOUS TEMPORARY TAPE OR LABEL ON EACH PANE OF GLASS TO ALERT WORKERS AND THE PUBLIC THAT OPENING IS GLAZED.
- B. PROTECT GLASS FROM CONTACT WITH CONTAMINATING SUBSTANCES RESULTING FROM CONSTRUCTION OPERATIONS.
- C. REMOVE AND REPLACE DAMAGED GLASS UPON DISCOVERY.
- D. AT FINAL INSPECTION, JUST PRIOR TO SUBSTANTIAL COMPLETION OF PROJECT, REMOVE ALL PROTECTIVE TAPE OR LABELS.

PAINTING REQUIREMENTS

- I. STANDARD OF QUALITY
- A. ALL MATERIALS HEREIN SPECIFIED IN PAINTING SCHEDULES BELOW ARE PRODUCTS AS MANUFACTURED BY SHERWIN WILLIAMS, WHICH SHALL BE CONSIDERED THE STANDARD OF QUALITY REQUIRED.
- B. PAINT MATERIALS AS MANUFACTURED BY SHERWIN-WILLIAMS, PRATT AND LAMBERT OR APPROVED SUBSTITUTE MANUFACTURER OF SAME GENERIC TYPE & QUALITY AS THE PRODUCTS SPECIFIED HEREIN MAY BE USED, UPON APPROVAL BY OWNER / ARCHITECT.
- C. SOCIETY FOR PROTECTIVE COATINGS (SSPC) PAINTING MANUAL.
- D. MASTER PAINTERS INSTITUTE (MPI) ARCHITECTURAL PAINTING MANUAL.
- II. INTERIOR SURFACES
- A. STEEL LINTELS, HOLLOW METAL DOORS AND FRAMES
- I. SHOP PRIME COAT.
2. SPOT PRIME ALL ABRADED OR DAMAGED AREAS WITH #236 PRIMER.
3. TWO (2) COATS OF FINISH PAINT.
- B. GYPSUM BOARD (LOW VOC) (SEE FINISH SCHEDULE)
- I. PRIMER: 1 COAT : VINYL ACRYLIC LATEX, 11 MILS DFT / COAT.
2. FINISH COAT: 2 COATS : FINISH PER SCHEDULE.
3. SURFACES: GYPSUM BOARD WALL AND CEILING SURFACES.
- C. EXPOSED STRUCTURE
- I. 2 COATS DRY FALL, PURE WHITE FINISH, APPLIED AT A DRY FILM THICKNESS OF NOT LESS THAN 15 MILS/COAT.
- D. INTERIOR WOOD
- I. CLEAN DUST / GRIT AND SEAL KNOTS, PITCH STREAKS AND SAPPY SECTIONS WITH SEALER. FILL NAIL HOLES AND CRACKS AFTER PRIMER HAS DRIED. SAND BETWEEN COATS. PROVIDE 1 PRIMER COAT AND 2 FINISH COATS.
- E. GENERAL
- I. CONTRACTOR IS RESPONSIBLE FOR PROPERLY PREPARING ALL NEW AND EXISTING SURFACES TO RECEIVE FINISH PAINT.
2. EXTRA STOCK: LEAVE ON PREMISE, WHERE DIRECTED BY OWNER, NOT LESS THAN ONE GALLON OF EACH COLOR AND OR TYPE OR PAINT USED.
3. THOROUGHLY EXAMINE ALL SURFACES TO RECEIVE PAINT PRIOR TO INSTALLATION AND REPORT ANY CONDITION THAT MAY POTENTIALLY AFFECT PROPER APPLICATION TO ARCHITECT PRIOR TO COMMENCEMENT OF THE WORK. CORRECT DEFECTS AND DEFICIENCIES IN SURFACES THAT MAY ADVERSELY AFFECT THE WORK OF THIS SECTION.
4. PROPERLY CLEAN AND PREPARE ALL NEW AND EXISTING SURFACES AS REQUIRED PER INDUSTRY STANDARDS TO RECEIVE NEW PAINT.
5. APPLY EACH COAT AT PROPER CONSISTENCY. SAND BETWEEN COATS TO ACHIEVE PROPER CONSISTENCY. DO NOT APPLY PAINT ON SURFACES THAT HAVE NOT BEEN THOROUGHLY PREPARED OR THAT ARE NOT SUFFICIENTLY DRY.

SPECIALTIES

- I. FIRE EXTINGUISHERS
- A. AS REQUIRED BY WEST CHESTER FIRE DEPARTMENT AND INSTALLED PER NFPA 10.
- B. BASIS OF DESIGN TO BE LARSEN MP10 (AA-300C). ALL EXTINGUISHERS SHALL BE 10 LB. MULTI-PURPOSE DRY CHEMICAL TYPE FOR USE ON A, B AND C FIRES. INSTALL PLUMB AND LEVEL WITH STANDARD LARSEN 546 BRACKET AND PER MANUFACTURER'S RECOMMENDATIONS.
- II. TOILET PARTITIONS
- A. BASIS OF DESIGN TO BE AMERICAN SANITARY PARTITION CORP. HDPE.
- B. HDPE, FLOOR MOUNTED, HEAD-RAIL BRACED, DOORS, PANELS AND PILASTERS TO HAVE HDPE FACES, PRESSURE BONDED TO SOUND DEADENING CORE, FORMED AND CLOSED EDGES, MITRED AND WELDED CORNERS, GROUND SMOOTH.
- C. PANEL THICKNESS: 1 INCH. DOOR WIDTH: 30". HEIGHT: 58" AFF.
- D. PILASTERS: 1-1/4 INCH THICK, OF SIZES REQUIRED TO SUIT COMPARTMENT.
- E. URINAL SCREEN: HDPE - 24 INCHES WIDE BY 42 INCHES HIGH MOUNTED TO WALL ADJACENT TO URINALS.
- F. PROVIDE SHOP DRAWINGS INDICATING PLAN, ELEVATION, DIMENSIONS AND MATERIALS - INSTALL PER MANUFACTURER'S RECOMMENDATIONS - PROVIDE STANDARD FULL RANGE OF MANUFACTURER'S COLORS FOR OWNER SELECTION.

DOCK EQUIPMENT

- I. DOCK BUMPERS
- A. ACCEPTABLE MANUFACTURERS:
- I. KELLEY DOCK SYSTEMS.
2. RITE-HITE CORP.
3. APPROVED EQUALS.
- B. DOCK BUMPERS TO BE FABRIC REINFORCED RUBBER PADS, OZONE RESISTANT, LAMINATED AND COMPRESSED IN POSITION WITH TWO GALVANIZED STEEL RODS WITH THREADED ENDS, WASHERS AND NUTS, BETWEEN 3 x 2 1/2 x 1/4 INCH GALVANIZED STEEL ANGLE END PLATES:
- I. PROJECTION FROM WALL: 12 INCHES.
2. VERTICAL HEIGHT: 10 INCHES.
3. LENGTH: 24 INCHES.
- C. TOUCH-UP PRIMER: ZINC RICH TYPE.
- D. SUBMIT REQUIRED SHOP SUBMITTALS SHOWING DIMENSIONS, METHOD OF ANCHORAGE AND DETAILS OF CONSTRUCTION. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- II. COMPRESSION DOOR SEALS
- A. ACCEPTABLE MANUFACTURERS:
- I. KELLEY DOCK SYSTEMS.
2. RITE-HITE CORP.
3. APPROVED EQUALS.
- B. NOMINAL CROSS SECTION DIMENSIONS: 18 x 18 INCH. CUSHION: CLOSED CELL FOAM FOR FULL DEPTH OF SEAL. COVERING MATERIAL: VINYL IMPREGNATED WATERPROOF NYLON FABRIC WITH DEGRESS F. COVERING WEIGHT: 28 OZ. / SQ. FT. COVERING COLOR: GREY WITH 5 INCH WIDE YELLOW STRIP CONTINUOUS HEADER, FIXED AIR VENTED CONSTRUCTION. SEAMS: MECHANICALLY STITCHED, DOUBLE PLY AT EXPOSED FACE. BOTTOM DOOR SEAL: (SAME AS SEAMS, SEAL OPERATING RANGE: 18 INCHES BEYOND WALL SURFACE.
- C. COORDINATE INSTALLATION WITH ADJACENT ASSEMBLIES AND INSTALL PER MANUF. REQ.
- II. DOCK LEVELERS
- A. RE-USE EXISTING DOCK LEVELERS FROM EXISTING BUILDING - COORDINATE WITH OWNER - SEE PLANS FOR LOCATION OF NEW DOCK LEVELERS AND LOCATION OF EXISTING DOCK LEVELERS TO BE RE-USED.
- B. COORDINATE INSTALLATION WITH ADJACENT ASSEMBLIES AND INSTALL PER MANUF. REQ.

MECHANICAL AND ELECTRICAL WORK

- I. ALL MECHANICAL AND ELECTRICAL WORK SHALL CONFORM TO ALL REQUIREMENTS OF OF ALL APPLICABLE GOVERNING AUTHORITIES HAVING JURISDICTION OVER THE WORK.
- II. FIRE PROTECTION:
- A. THE NEW BUILDING ADDITION SHALL BE PROVIDED WITH AN AUTOMATIC SPRINKLER SYSTEM.
- B. ALL SPRINKLER SYSTEM WORK SHALL BE PERFORMED BY A CERTIFIED SPRINKLER CONTRACTOR WHO SHALL ALSO PROVIDE ALL ENGINEERING, DRAWINGS AND SPECIFICATIONS AS REQUIRED TO OBTAIN THE NECESSARY PERMITS.
- III. SEE PLUMBING, HVAC AND ELECTRIC DRAWINGS FOR SPECIFICATIONS RELATED TO THOSE BRANCHES OF THE WORK.



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Sheet Title	
ARCHITECTURE SPECIFICATIONS	
Project No.	97333.33
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File No.	97333 33