



# West Herr Toyota Body Shop Addition

## 8129 Main Street, Clarence, NY

S.A. PROJECT # 08029.10  
DATE: 11-26-2018

### ARCHITECT:

**SILVESTRI ARCHITECTS, P.C.**

1321 MILLERSPORT HIGHWAY, SUITE 101, AMHERST, NY 14221  
(716) 691-0900

### CIVIL ENGINEER:

**NUSSBAUMER & CLARKE, INC.**

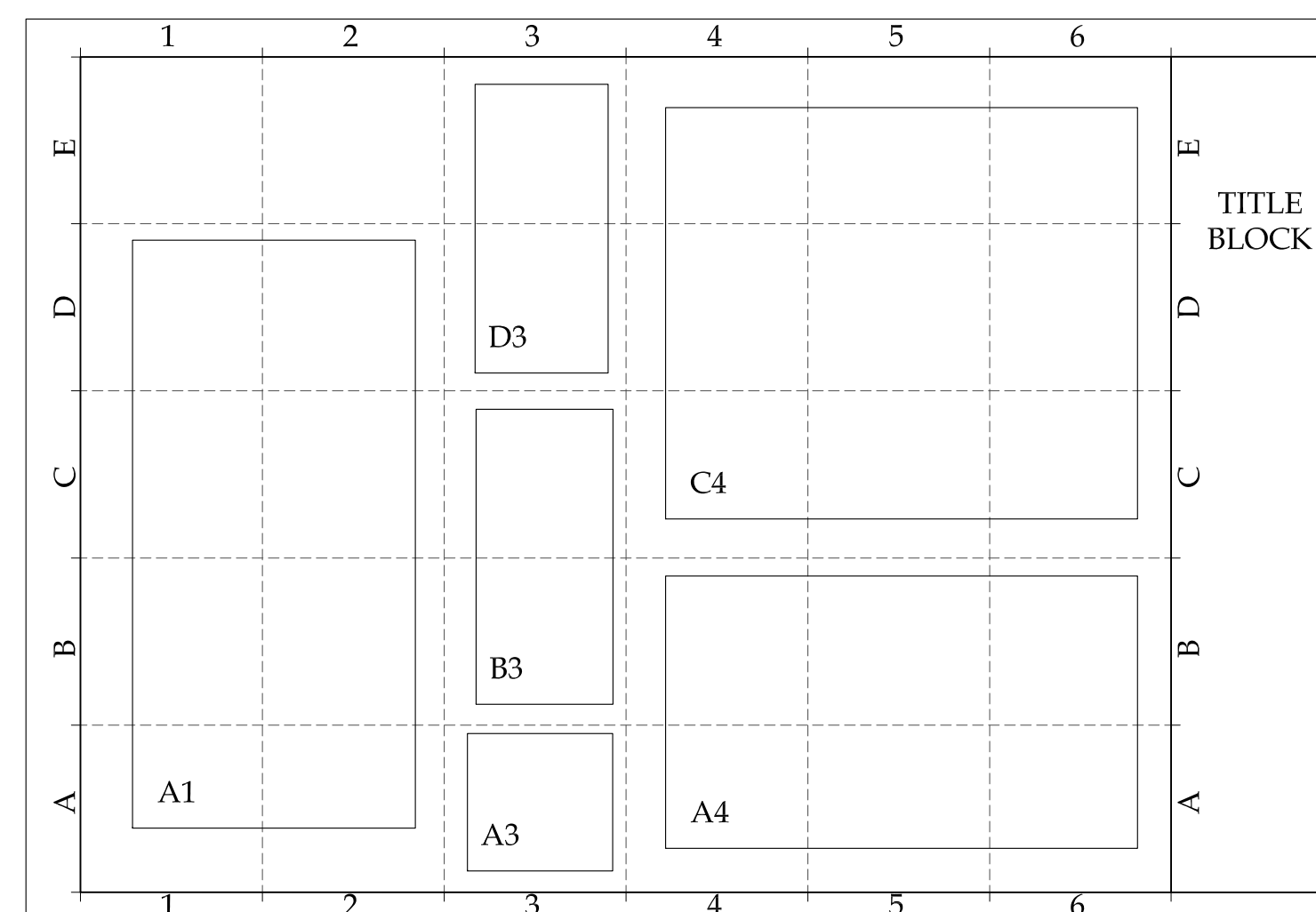
3556 LAKE SHORE ROAD, SUITE 500, BUFFALO, NY 14219  
(716) 827-8000

### STRUCTURAL ENGINEER:

**PETRILLI STRUCTURAL & CONSULTING ENGINEERING, P.C.**

245 KINSEY AVENUE SUITE 100, KENMORE, NY 14217  
(716) 854-3508

### DRAWING AREA LOGIC



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- C-104 SITE DETAILS 2 OF 2
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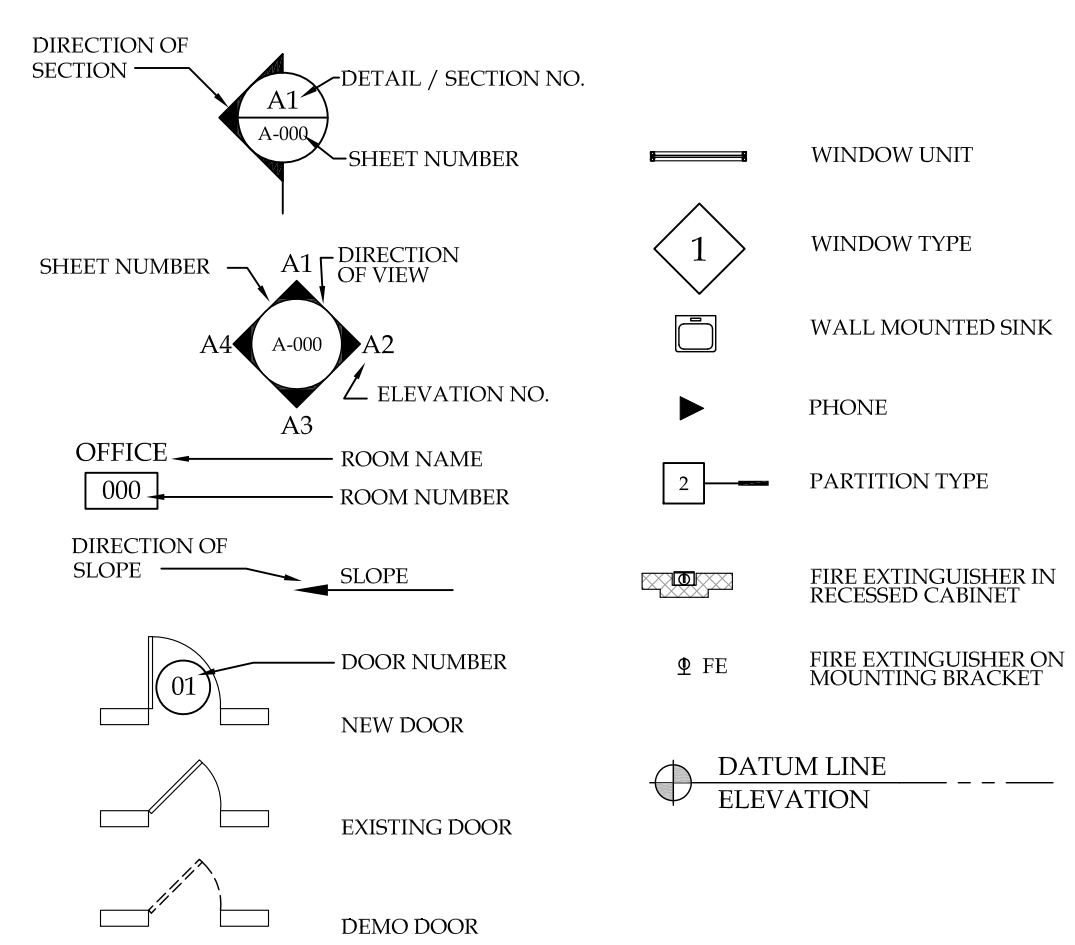
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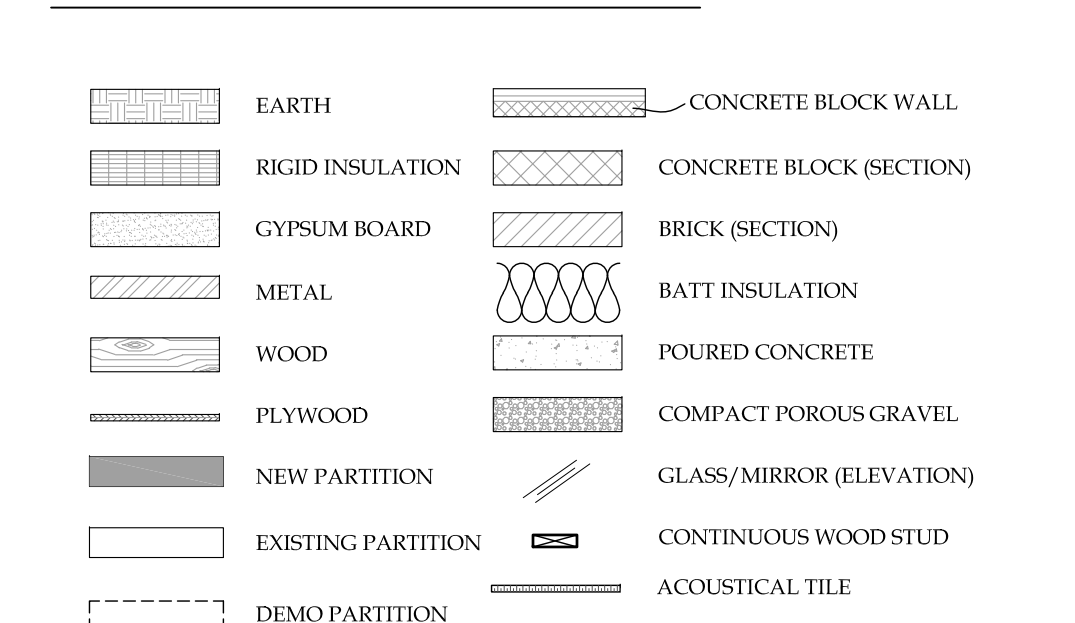
### ABBREVIATIONS

A.F.F. ABOVE FINISH FLOOR	N.I.C. NOT IN CONTRACT
ACT. ACT. ACROUSTICAL TILE	NT.S. NOT TO SCALE
A.C. AIR CONDITION	NOM. NOMINAL
ALT. ALTERNATE	NO. NUMBER
ALUM. ALUMINUM	
APPROX. APPROXIMATE	O.C. ON CENTER
ARCH. ARCHITECTURAL	OPNG. OPENING
AUTO. AUTOMATIC	OPPH. OPPOSITE HAND
	OH. OVERHEAD
BM. BEAM	
BRG. BEARING	FMBC. FINISH/BEERED METAL BUILDING CONTRACTOR PAINT (ED)
B.M. BENCH MARK	PNT. PANEL
BLKG. BLOCKING	P.T.D. PAPER TOWEL DISPENSER
BD. BOARD	P.T.R. PAPER TOWEL RECEPTOR
BOT. BOTTOMS	P.V.M.T. PAVEMENT
BRK. BRICK	PG. BD. PEG BOARD
B.E.J. BRICK EXPANSION JOINT	PLAS. PLASTER
B.C. BRICK COURSE	P. LAM. PLYWOOD LAMINATE
BLDG. BUILDING	PL. PLASTER
BUR. BUILT-UP ROOFING	POL. POLISHED
	P.W.D. PLYWOOD
CLG. CEILING	PT. POINT
CAB. CABINET	PSI. POUNDS PER SQ. INCH
CT. CASEWORK	PSF. POUNDS PER SQ. FOOT
C.W. CATCH BASIN	P.P. POWER PANEL
CEM. CEMENT	P.P.F. PREFABRICATED PREFINISHED
CHBD. CERAMIC TILE	PROJ. PROJECTION
CLR. CLEAR	PL. PROPERTY LINE
CONC. CONCRETE	
CMU. CONCRETE MASONRY UNIT	QT. QUARRY TILE
CONT. CONTINUOUS	
CONTR. CONTRACTOR	
CT. CONTROL JOINT	
C.G. CORNER GUARD	
CBS. COURSE	
	RAD. RADIUS
DET. DETAIL	R.W.L. RAIN WATER LEADER
DIA. DIAMETER	RECP.T. RECEPTACLE, ELECTRIC
DIM. DIMENSION	RECESS. RECESS
DISP. DISPENSER	REFR. REFRIGERATOR
DN. DOWN	REG. REGISTER
DS. DOWNSPOUT	REIN. REINFORCE (D) (ING)
DWG. DRAWING	REQ'D. REQUIRED
D.F. DRINKING FOUNTAIN	RES. RECESSED
DIFF. DIFFUSER	R.C.P. REFLECTED CEILING PLAN
	RET. RETURN
EA. EACH	RA. RETURN AIR
EIPS. EXTERIOR INSULATION & FINISH SYSTEM	REV. REVERSE
ELEC. ELECTRICAL	RH. RIGHT HAND
EPNL. ELECTRIC PANEL	ROW. RIGHT OF WAY
ELEV. ELEVATION	R. RISER
EJ. EXHAUST	R.D. ROOF DRAIN
EX. F. EXHAUST FAN	RFG. ROOFING
EXIST. EXISTING	RM. ROOM
EXP. JT. EXPANSION JOINT	RND. ROUND
	SDL. SADDLE
FB. FACE BRICK	STG. SEATING
FIN. FINISH (ED)	SHT. SHEATHING
FA. FIRE ALARM	SHT. SHEET
FEC. FIRE EXTINGUISHER CABINET	SHR. SHOWER
FHC. FIRE HOSE CABINET	SIM. SIMILAR
F.P. FIRE PROTECTING	SPKR. SPEAKER
FL. FLOOR	SPEC. SPECIFICATIONS
F.D. FLOOR DRAIN	SQ. SQUARE
FT. FOOT	SS. STAINLESS-STEEL
F.W.C. FACE WALL COVERING	SP. STAND PIPE
FTG. FOOTING	STD. STANDARD
FTDN. FOUNDATION	SD. STORM DRAIN
FUR. FURRING	S.G.T. STRUCTURAL GLAZED TILE
	STRUC.T. STRUCTURAL
GAL. GALLON	SUSP. SUSPENDED
GA. GAGE	SW. SWITCH
G.C. GENERAL CONTRACTOR	SWBD. SWITCH BOARD
GL. GLASS	SV. SHEET VINYL
G.B. GRAB BAR	
G.W.B. GYPSUM WALL BOARD	T.B. TACKBOARD
GYP. GYPSUM	TEL. TELEPHONE
	TEMP. TEMPERATURE
HDW. HARDWARE	TEX. TEXTURE
HD. WD. HARDWOOD	THK. THICK (NESS)
HVAC. HEATING, VENTILATING, & AIR CONDITIONING	THR. THRESHOLD
	TP. TOILET PAPER HOLDER
HT. HEIGHT	T/O. TOP OF
HC. HOLLOW CORE	TB. TOWEL BAR
HM. HOLLOW METAL	TYP. TYPICAL
HORIZ. HORIZONTAL	
HB. HOSE BIB	
H.W. HOT WATER	
	U.C.L. UNDER CABINET LIGHT
INSUL. INSULATE (D) (NON)	U.C. UNDERCUT
INS-GL. INSULATED GLASS	UR. URINAL
INV. INVERT	
JAN. JANITOR	
JT. JOINT	
KIT. KITCHEN	V.T.R. VENT THRU ROOF
KO. KNOCK OUT	VENT. VENTILATOR
	VERT. VERTICAL
LAM. LAMINATED	VEST. VESTIBULE
LAV. LAVATORY	V.C.T. VINYL COMPOSITE TILE
LH. LEFT HAND	VERIF. VERIFY IN FIELD
LGT. LIGHT	V.I.F. VINYL WALL COVERING
LG. LENGTH	
L.I. LIGHT	
L.F. LINEAR FEET	WSCT. WAINSCOT
L.L. LIVE LOAD	WS. WEATHER STRIP
L.H. LONG LEG HORIZONTAL	WT. WEIGHT
L.V. LONG LEG VERTICAL	WWF. WELDED WIRE FABRIC
L.M.F. LIGHT GAUGE METAL FRAMING	W.C.D.F. WELDED WIRE DRINKING FOUNTAIN
L.V.R. LOW VOLT	W/. WITH
	W/O. WITHOUT
	WD. WOOD
MACH. MACHINE	
M.H. MANHOLE	
MFR. MANUFACTURE	
MAS. MASONRY	
M.O. MASONRY OPENING	
MATL. MATERIAL	
MAX. MAXIMUM	
MECH. MECHANICAL	
MEMB. MEMBRANE	
MET. METAL	
M.T.P. METAL TOILET PARTITION	
MIN. MINIMUM	
MISC. MISCELLANEOUS	
MULL. MULLION	

### DRAFTING SYMBOLS



### MATERIAL SYMBOLS



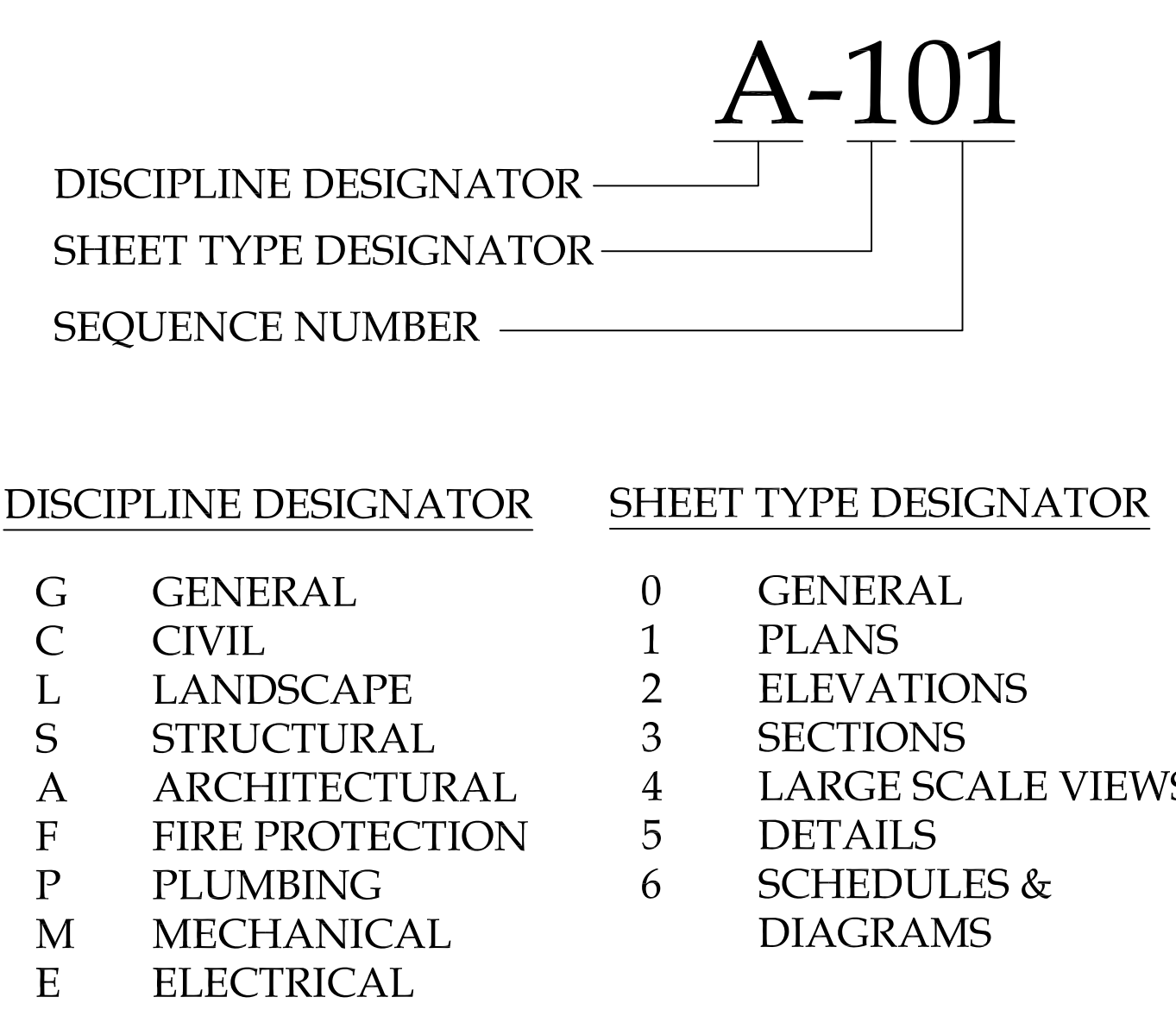
### BUILDING DATA

OCCUPANCY CLASSIFICATION: B, S1  
 CONSTRUCTION TYPE: 2B  
 GROSS PROJECT AREA: 4,725  
 NET PROJECT AREA: 4,488  
 (NON) SPRINKLERED  
 OCCUPANCY LOAD: 37 PEOPLE

### ISSUE

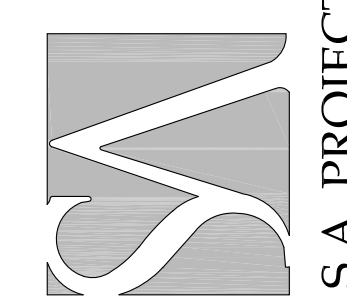
**NOTE: (DESIGN BUILD)**  
 HVAC, PLUMBING, AND ELECTRICAL DRAWINGS SHALL BE PREPARED AND STAMPED BY THE DESIGN/ BUILD HVAC, PLUMBING, AND ELECTRICAL SUBCONTRACTORS.

### SHEET IDENTIFICATION LOGIC



West Herr Toyota Body Shop Addition

8129 Main Street, Clarence, NY



S.A. PROJECT # 08029.10  
 DATE: 11-26-2018  
 SA PROJECT TEAM: PRINCIPAL: P. Silvestri  
 PROJ. ARCHITECT: S. Henry  
 JOB CAPTAIN:  
 DRAFTER:  
 INTERIORS:

# WEST HERR TOYOTA BODY SHOP ADDITION

8129 MAIN STREET  
CLARENCE, ERIE COUNTY  
STATE OF NEW YORK  
NOVEMBER 26, 2018

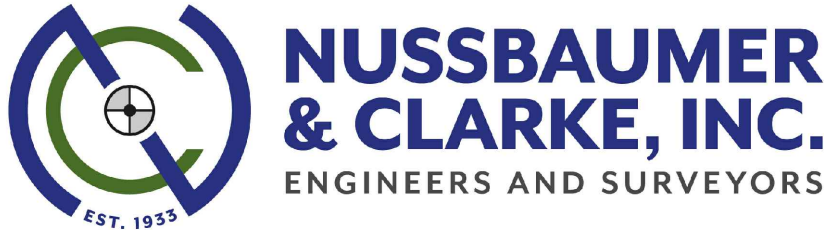


LOCATION MAP

LIST OF DRAWINGS	
DWG	TITLE
G-100	COVER SHEET
C-101	EXISTING CONDITIONS PLAN
C-102	PROPOSED GRADING, PAVING AND UTILITY PLAN
C-103	SITE DETAILS 1 OF 2
C-104	SITE DETAILS 2 OF 2
C-105	SANITARY SEWER NOTES
C-106	SANITARY SEWER DETAILS
C-107	RPZ AND RPDA DETAILS

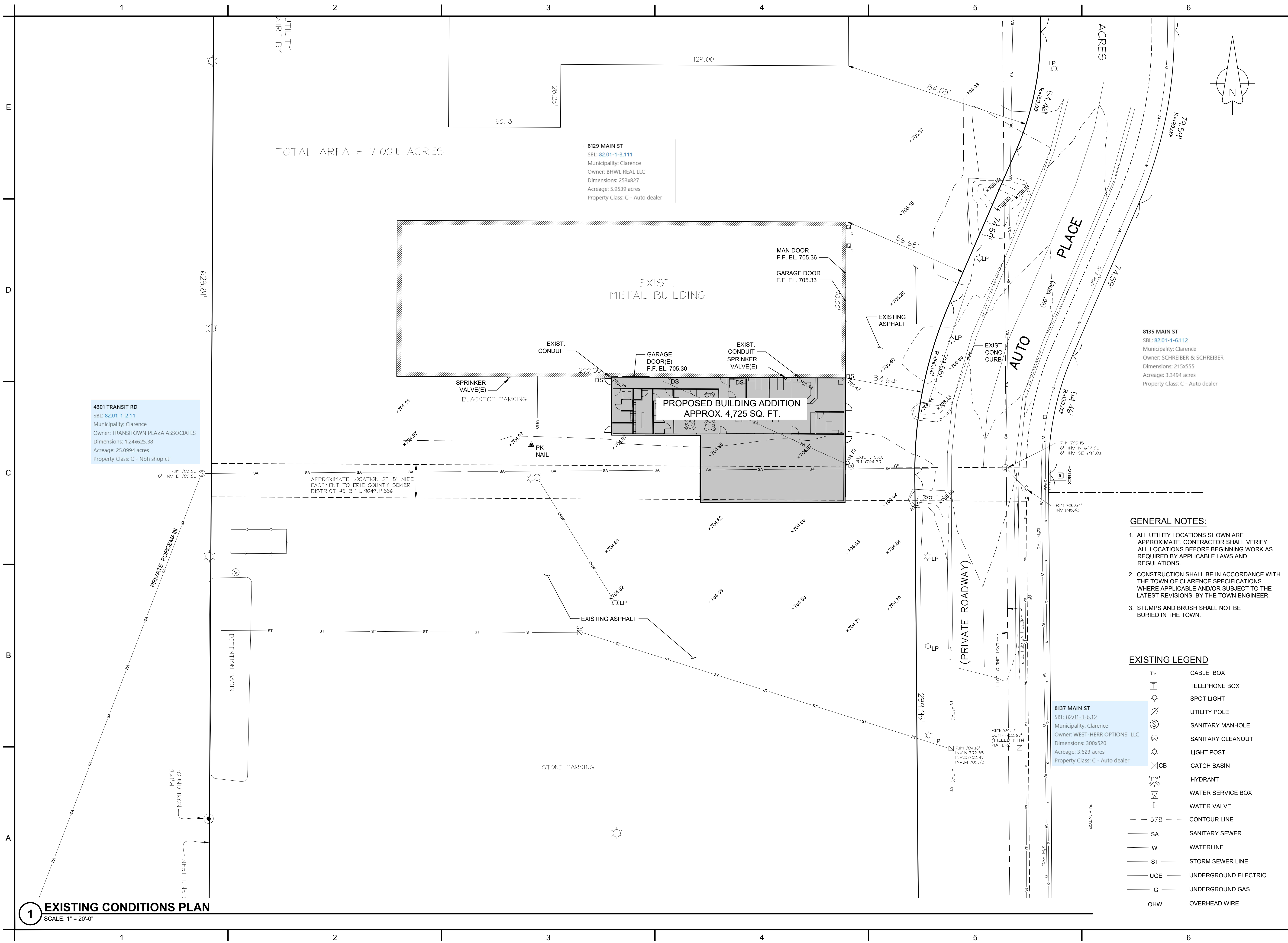
**APPLICANT:**  
  
**WEST HERR AUTOMOTIVE GROUP**  
**8129 MAIN STREET**  
**CLARENCE, NEW YORK 14031**  
  
**PHONE NUMBER: 716-491-7000**

REGULATORY REVIEW  
NOT FOR CONSTRUCTION



3556 Lake Shore Road, Suite 500 | Buffalo, NY 14219  
(716) 827-8000 | (716) 826-7958 fax  
www.nussclarke.com

NUSSBAUMER & CLARKE, INC.  
A CORPORATION REGISTERED TO PRACTICE  
PROFESSIONAL ENGINEERING & LAND SURVEYING  
IN THE STATE OF NEW YORK  
CERTIFICATE NO. \_\_\_\_\_



TOTAL AREA = 7.00± ACRES

**8129 MAIN ST**  
 SBL: 82.01-1-3.111  
 Municipality: Clarence  
 Owner: BHWL REAL LLC  
 Dimensions: 253x827  
 Acreage: 5.9539 acres  
 Property Class: C - Auto dealer

**4301 TRANSIT RD**  
 SBL: 82.01-1-2.11  
 Municipality: Clarence  
 Owner: TRANSITOWN PLAZA ASSOCIATES  
 Dimensions: 1.24x625.38  
 Acreage: 25.0994 acres  
 Property Class: C - Nbh shop ctr

**8135 MAIN ST**  
 SBL: 82.01-1-6.112  
 Municipality: Clarence  
 Owner: SCHREIBER & SCHREIBER  
 Dimensions: 215x555  
 Acreage: 3.3494 acres  
 Property Class: C - Auto dealer

**8137 MAIN ST**  
 SBL: 82.01-1-6.12  
 Municipality: Clarence  
 Owner: WEST-HERR OPTIONS LLC  
 Dimensions: 300x520  
 Acreage: 3.623 acres  
 Property Class: C - Auto dealer

- GENERAL NOTES:**
- ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL VERIFY ALL LOCATIONS BEFORE BEGINNING WORK AS REQUIRED BY APPLICABLE LAWS AND REGULATIONS.
  - CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TOWN OF CLARENCE SPECIFICATIONS WHERE APPLICABLE AND/OR SUBJECT TO THE LATEST REVISIONS BY THE TOWN ENGINEER.
  - STUMPS AND BRUSH SHALL NOT BE BURIED IN THE TOWN.

**EXISTING LEGEND**

- CABLE BOX
- TELEPHONE BOX
- SPOT LIGHT
- UTILITY POLE
- SANITARY MANHOLE
- SANITARY CLEANOUT
- LIGHT POST
- CATCH BASIN
- HYDRANT
- WATER SERVICE BOX
- WATER VALVE
- 578 --- CONTOUR LINE
- SA --- SANITARY SEWER
- W --- WATERLINE
- ST --- STORM SEWER LINE
- UGE --- UNDERGROUND ELECTRIC
- G --- UNDERGROUND GAS
- OHW --- OVERHEAD WIRE



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**REGULATORY REVIEW  
 NOT FOR CONSTRUCTION**

**WEST HERR TOYOTA BODY SHOP  
 ADDITION**  
 8129 MAIN STREET, CLARENCE, NY

**EXISTING CONDITIONS PLAN**

REVISIONS		
No.	DESCRIPTION	DATE

**NUSSBAUMER & CLARKE, INC.**  
 A CORPORATION REGISTERED TO  
 PRACTICE PROFESSIONAL ENGINEERING  
 & LAND SURVEYING IN THE  
 STATE OF NEW YORK

UNAUTHORIZED ALTERATION OR ADDITION TO THIS  
 ENGINEERING DRAWING IS A VIOLATION OF  
 SECTION 7209, PROVISION 2 OF THE NEW YORK STATE  
 EDUCATION LAW.

PROJECT NUMBER	18J5-0040
DATE	11.26.18
DRAWN BY	TJB
DESIGNED BY	TJB
CHECKED BY	RJP
APPROVED BY	BLS
SCALE:	AS NOTED
= 1 INCH	
SHEET No.	2 OF 8

**1 EXISTING CONDITIONS PLAN**  
 SCALE: 1" = 20'-0"

**GENERAL NOTES**

- THE CONTRACTOR SHALL COMPLY WITH THE TOWN OF CLARENCE STANDARD DRAWINGS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE PROJECT ENGINEER AND THE TOWN OF CLARENCE ENG. DEPT. OF ANY HAZARDOUS SUBSTANCE ENCOUNTERED DURING THE CONSTRUCTION OF THE WORK. HE SHALL AT HIS EXPENSE, CONFORM TO ALL LAWS, RULES, REGULATIONS AND DIRECTIONS AS PROMULGATED BY THE UNITED STATES DEPARTMENT OF LABOR, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION, THE NEW YORK STATE DEPARTMENT OF HEALTH AND ANY SUCH LOCAL RULES, ORDINANCES AND LAWS WHEN ENCOUNTERING OR WORKING WITH ANY SUCH HAZARDOUS SUBSTANCE.
- THE CONTRACTOR SHALL COMPLY IN ALL RESPECTS TO THE INDUSTRIAL CODE PART (RULE NO.) 53 RELATING TO CONSTRUCTION, EXCAVATION AND DEMOLITION OPERATIONS AT OR NEAR UNDERGROUND FACILITIES, AS ISSUED BY THE STATE OF NEW YORK DEPARTMENT OF LABOR, BOARD OF STANDARD AND APPEALS.
- THE CONTRACTOR SHALL EXPOSE EXISTING UTILITIES AHEAD OF THE PIPE LAYING OPERATION, SO THAT, IF MINOR ADJUSTMENTS MUST BE MADE IN ELEVATION AND/OR ALIGNMENT DUE TO INTERFERENCE FROM THESE UTILITIES, SAID CHANGES CAN BE MADE IN ADVANCE OF THE WORK. CONTRACTOR TO VERIFY EXIST. SANITARY SEWER INVERTS PRIOR TO CONSTRUCTION AND VERIFY THAT A MINIMUM SLOPE OF 0.4% CAN BE ACHIEVED ALONG NEW SEWER REALIGNMENT.
- UNSUITABLE MATERIALS SUCH AS FROZEN ORGANIC AND/OR VEGETABLE MATERIAL, DEBRIS, TREES, LUMBER, LARGE STONES OR CLODS (6.0' OR LARGER), MUCK, PEAT, ORGANIC SILT WILL NOT BE ACCEPTABLE FILL AND CERTAIN MAN-MADE DEPOSITS OF INDUSTRIAL WASTE, SLUDGE OR LANDFILL MAY ALSO BE DETERMINED AS UNSUITABLE HAZARDOUS MATERIAL.
- THE COMPACTION OF ALL MATERIALS WILL OCCUR AT 6" INCREMENTS.
- SHOULD A FLUID CONDITION BE ENCOUNTERED AT THE TRENCH BOTTOM, THE CONTRACTOR IS TO INSTALL ADDITIONAL STONE CRADLE AS ORDERED BY THE ENGINEER.
- ALL WORK FOR WATER SERVICE ON PRIVATE SIDE OF R.O.W. SHALL BE COMPLETED BY SITE CONTRACTOR.
- ALL WORK FOR THE PROPOSED NEW WATER SERVICE WITHIN THE R.O.W. WILL BE COMPLETED BY ERIE COUNTY WATER AUTHORITY PERSONNEL.
- ALL UTILITIES TO BE FIELD VERIFIED PRIOR TO THE START OF CONSTRUCTION.
- SURVEY PREPARED BY NUSSBAUMER AND CLARKE, NOVEMBER 2018.
- BENCHMARK - EXISTING SANITARY SEWER MANHOLE LOCATED OPPOSITE ENTRANCE OF PROPOSED BLDG. ADDITION (AND NOTED ON PLAN) - RIM: 705.15.
- ALL MATERIALS TO BE REMOVED FROM THE SITE. CONTRACTOR RESPONSIBLE FOR DISPOSAL PERMITS, REGULATIONS AND OR FEES.
- CONTRACTOR TO PROTECT EXISTING LANDSCAPING FROM DAMAGE WHERE POSSIBLE.
- EXISTING PAVEMENT TO BE SAWCUT AS SHOWN ON PLAN.

TOTAL AREA = 7.00± ACRES



REGULATORY REVIEW  
NOT FOR CONSTRUCTION

WEST HERR TOYOTA BODY SHOP  
ADDITION  
8129 MAIN STREET, CLARENCE, NY  
PROPOSED GRADING,  
PAVING AND UTILITY PLAN

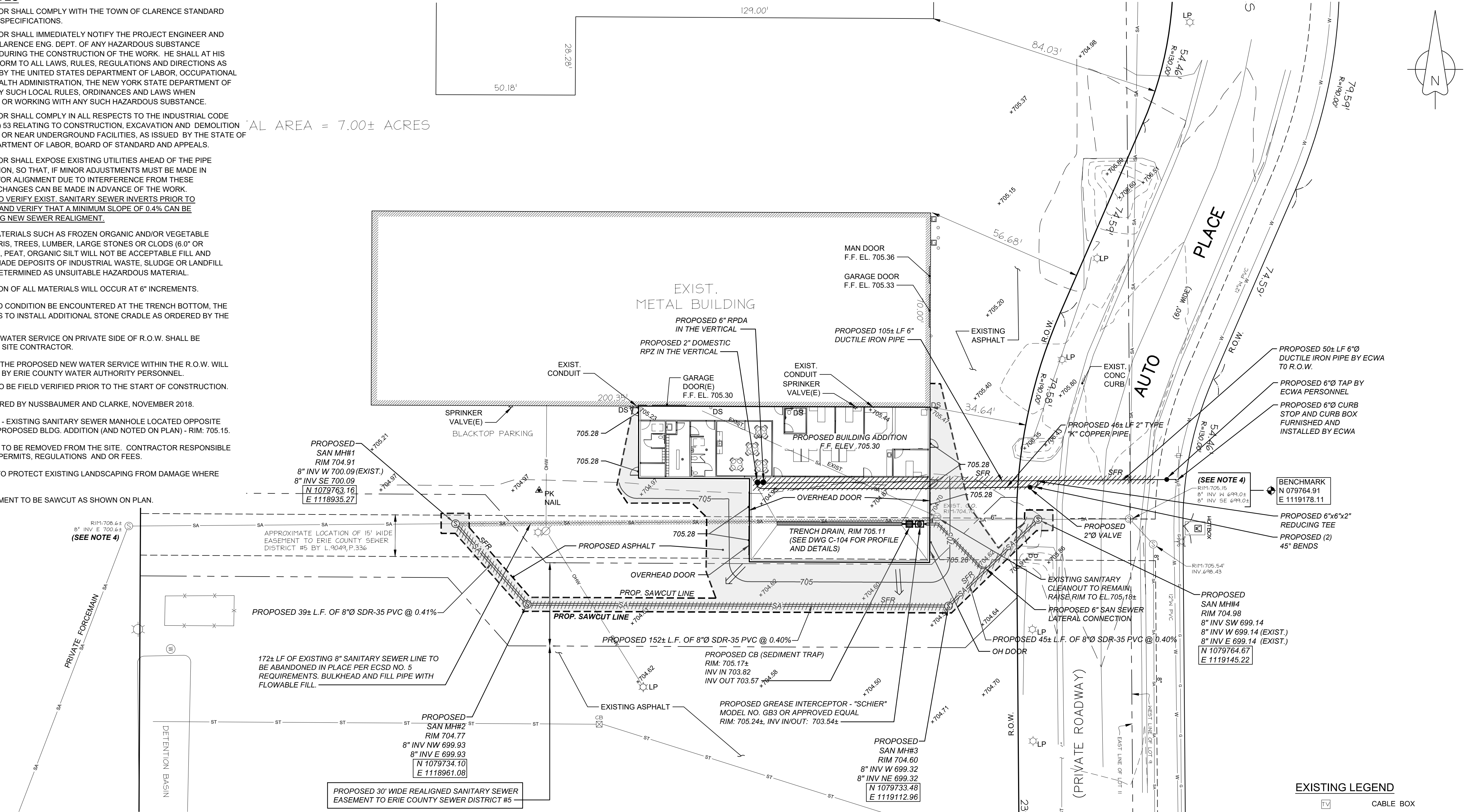
REVISIONS		
No.	DESCRIPTION	DATE

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PROJECT NUMBER	18J5-0040
DATE	11.26.18
DRAWN BY	TJB
DESIGNED BY	TJB
CHECKED BY	RJP
APPROVED BY	BLS
SCALE:	AS NOTED
SHEET No.	3 OF 8

C-102



**EXISTING LEGEND**

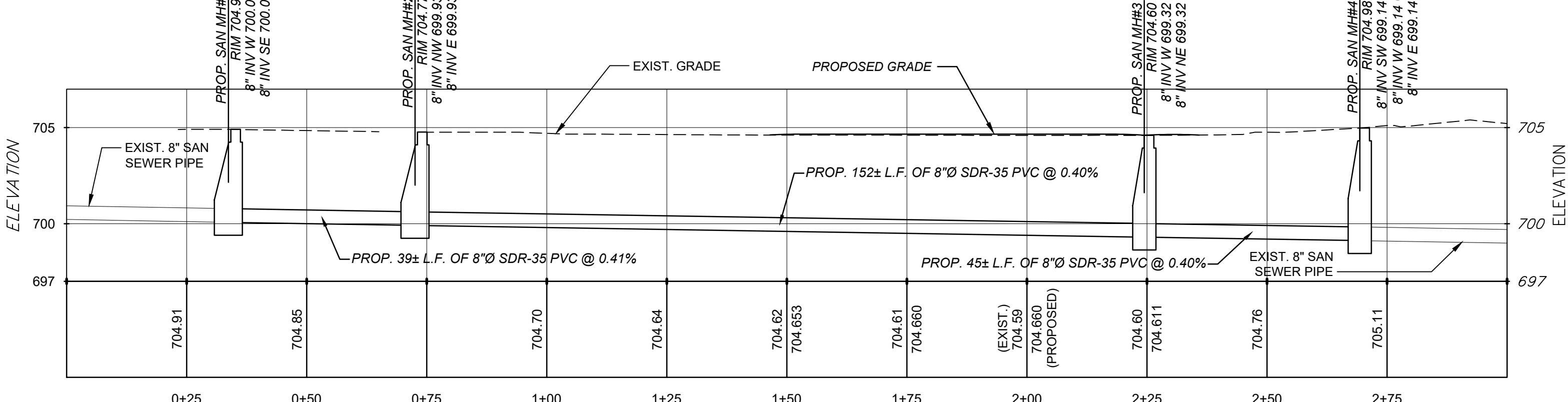
- CABLE BOX
- TELEPHONE BOX
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- UTILITY POLE
- SANITARY MANHOLE
- SANITARY CLEANOUT
- LIGHT POST
- CATCH BASIN
- HYDRANT
- WATER SERVICE BOX
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- SA --- SANITARY SEWER
- W --- WATERLINE
- ST --- STORM SEWER LINE
- UGE --- UNDERGROUND ELECTRIC
- G --- UNDERGROUND GAS
- OHW --- OVERHEAD WIRE

**PROPOSED LEGEND**

- PROPOSED ASPHALT AREA
- PROPOSED PAVEMENT SAWCUT LINE
- 659.00 PROPOSED SPOT ELEVATION
- PROPOSED DRAINAGE FLOW DIRECTION
- SFR SELECT FILL REQUIRED
- SA PROPOSED SANITARY SEWER LINE
- 577 --- PROPOSED CONTOUR LINE
- S SANITARY MANHOLE

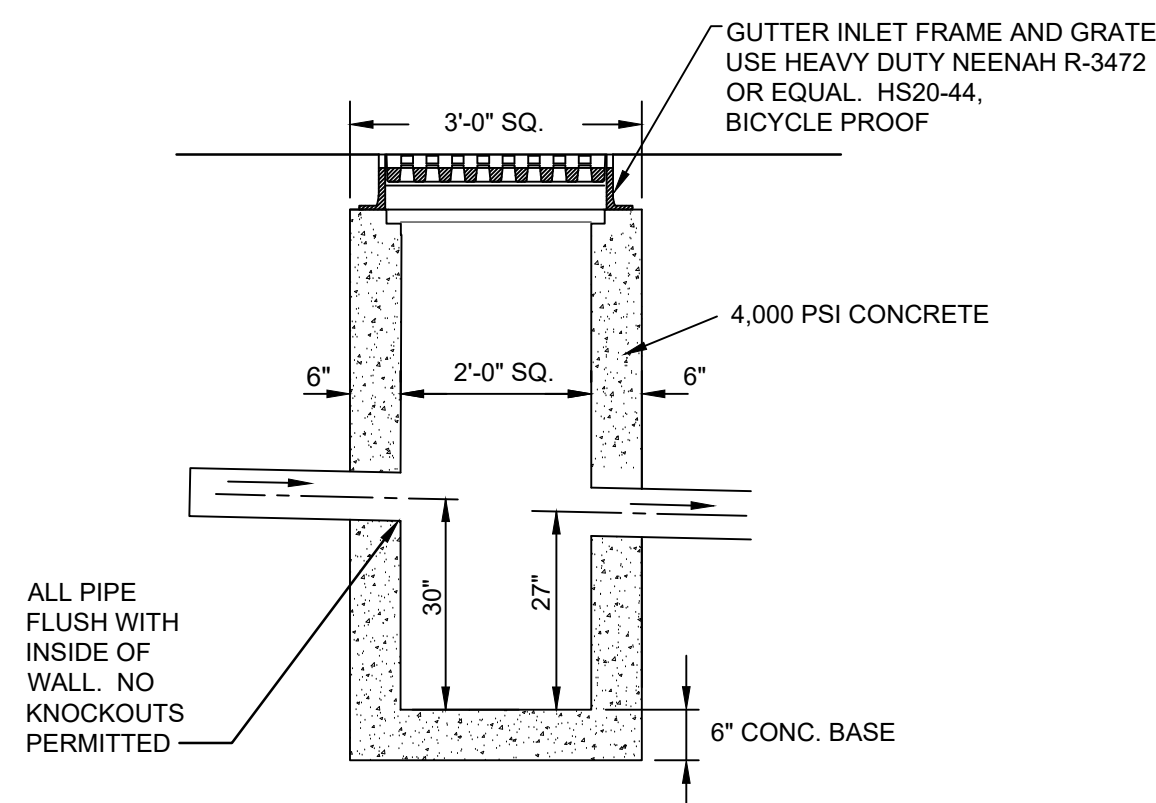
**2 PROPOSED SITE PLAN**

SCALE: 1" = 20'-0"



**1 SANITARY SEWER PROFILE**

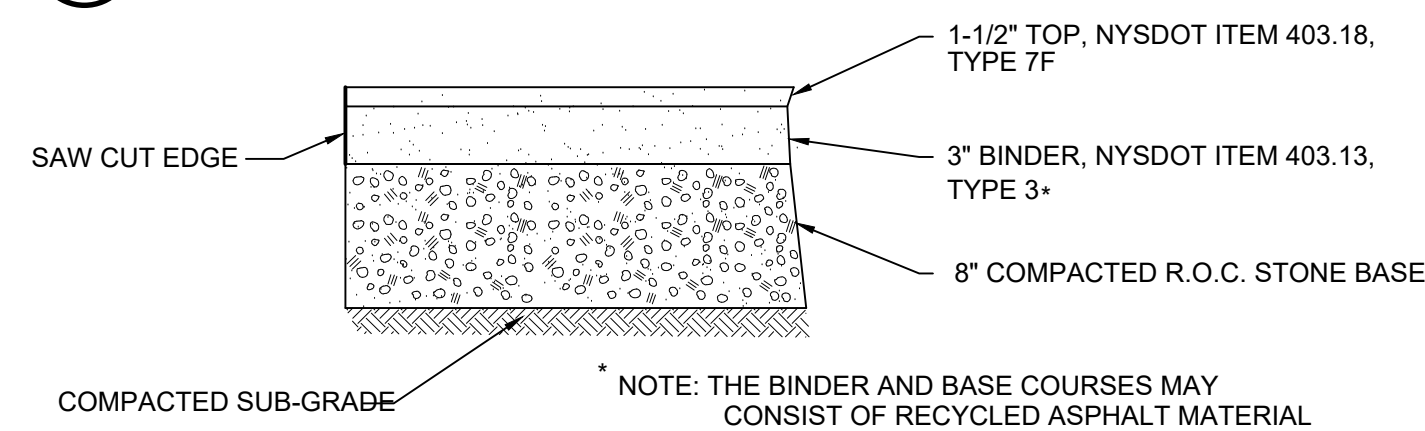
SCALE: 1" = 20'-0"



- NOTES:**
- LAY STRUCTURE ON 6" MIN. BED OF COMPACTED NYSDOT TYPE 2 MATERIAL.
  - CATCH BASIN SHALL BE KISTNER 2424 AS REQUIRED TO ACHIEVE NOTED SUMP, OR EQUAL.

**6 CATCH BASIN DETAIL (SEDIMENT TRAP)**

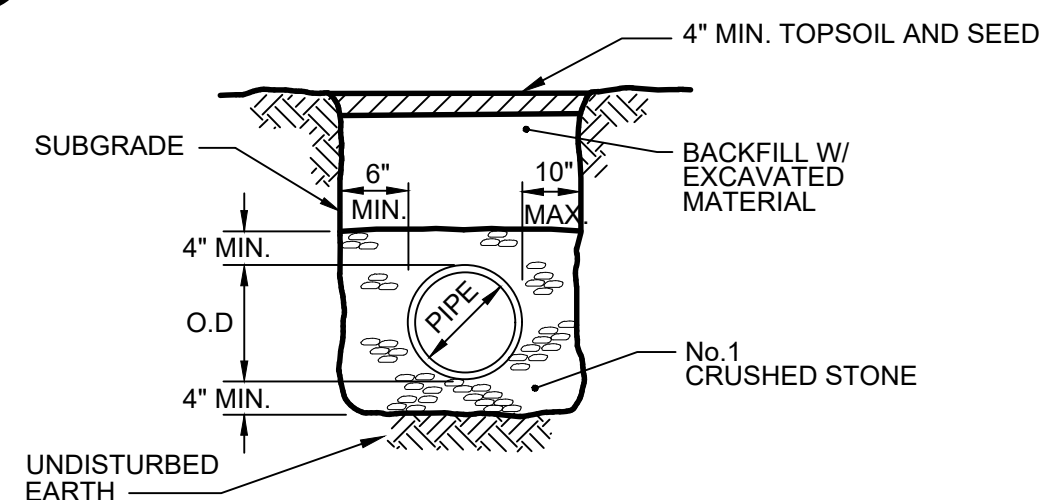
SCALE: NOT TO SCALE



\*NOTE: THE BINDER AND BASE COURSES MAY CONSIST OF RECYCLED ASPHALT MATERIAL

**4 TYPICAL ASPHALT PAVEMENT SECTION**

SCALE: NOT TO SCALE



**SPECIAL NOTE REGARDING TRENCH BACKFILL MATERIAL:**

- SHALE SHALL NOT BE USED AS BACKFILL MATERIAL FOR PIPE CROSSINGS OF THE PAVEMENT AND CURBS.
- SHALE SHALL NOT BE PLACED DIRECTLY AGAINST THE UNPROTECTED PIPE SURFACE. A MINIMUM OF 12" OF BEDDING STONE OR SELECT MATERIAL SHALL OVERLAY THE CROWN OF THE PIPE PRIOR TO PLACEMENT OF SHALE MATERIAL.

**NOTES:**  
MATERIALS USED FOR THE CONSTRUCTION OF CATCH BASINS AND STORM MANHOLES SHALL MEET THE REQUIREMENTS SPECIFIED IN NYSDOT SECTION 604-2.

CONSTRUCTION OF STORM SEWERS AND UNDERDRAINS SHALL MEET THE REQUIREMENTS SPECIFIED IN NYSDOT SECTION 603-3 AND 605-3 AS APPLICABLE.

CONSTRUCTION OF CATCH BASINS AND STORM MANHOLES SHALL MEET THE REQUIREMENTS SPECIFIED IN NYSDOT SECTION 604-3.

MATERIALS USED FOR UNDERDRAIN FILTER MATERIAL SHALL MEET THE REQUIREMENTS SPECIFIED IN NYSDOT SECTION 605-2 UNDERDRAIN FILTER TYPE II.

THE CONTRACTOR SHALL SCHEDULE AND CONDUCT HIS/HER OPERATIONS TO MINIMIZE EROSION OF SOILS AND TO MINIMIZE SILTING AND MUDDYING OF STREAMS, RIVERS, IRRIGATION SYSTEMS, IMPOUNDMENTS (LAKES, RESERVOIRS, ETC.) AND LANDS ADJACENT TO/OR AFFECTED BY THE WORK CONSTRUCTION OF DRAINAGE FACILITIES AND PERFORMANCE OF OTHER CONTRACT WORK WHICH WILL CONTRIBUTE TO THE CONTROL OF EROSION AND SEDIMENTATION SHALL BE CARRIED OUT IN CONJUNCTION WITH EARTHWORK OPERATIONS OR AS SOON THEREAFTER AS PRACTICAL.

THE CONTRACTOR SHALL NOT DISCHARGE DUST INTO THE ATMOSPHERE OF SUCH QUANTITY, CHARACTER OR DURATION THAT IT UNREASONABLY INTERFERES WITH THE COMFORTABLE ENJOYMENT OF LIFE AND PROPERTY, OR IS HARMFUL TO PLANTS AND ANIMALS.

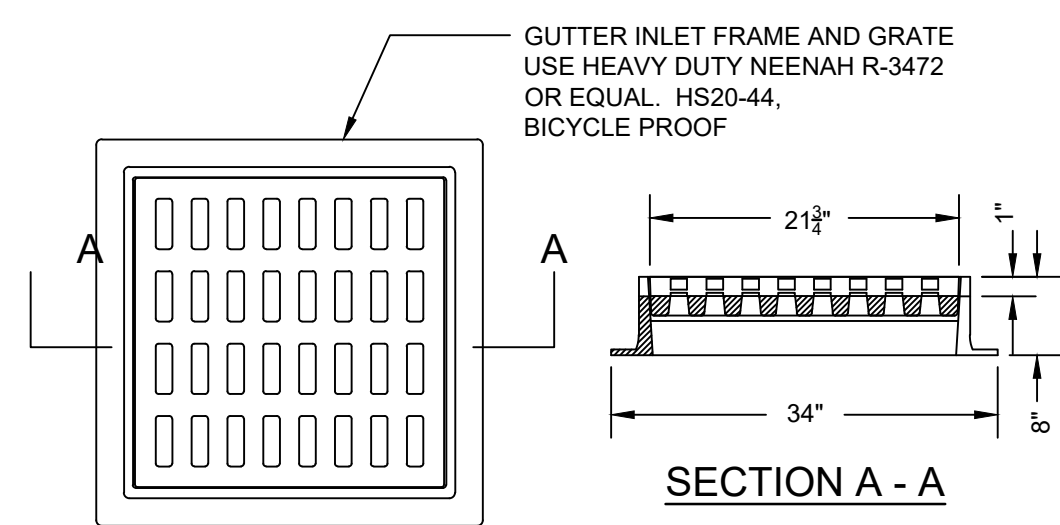
ALL APPLICABLE REGULATIONS OF FISH, WILDLIFE, AND ENVIRONMENTAL PROTECTION AGENCIES AND STATUTES RELATING TO THE PREVENTION ABATEMENT OF POLLUTION SHALL BE COMPLIED WITH.

**1 TYPICAL SECTION FOR EARTH BACKFILL**

SCALE: NOT TO SCALE

**GENERAL NOTES:**

- THE UNITS SHALL BE REINFORCED TO WITHSTAND H2O LOADING.
- FOR GAS STATIONS AND ANY FACILITIES WITH FLOOR DRAINS TIED INTO THE SANITARY SEWER. A SEDIMENTATION TANK (2'x2' OR 3'x3' D.I.) WITH 24" SUMP AND GRATE SHALL BE REQUIRED. THE SEDIMENT TANK SHALL BE AS CLOSE AS POSSIBLE TO THE DISCHARGE POINT OF THE FLOOR DRAIN.

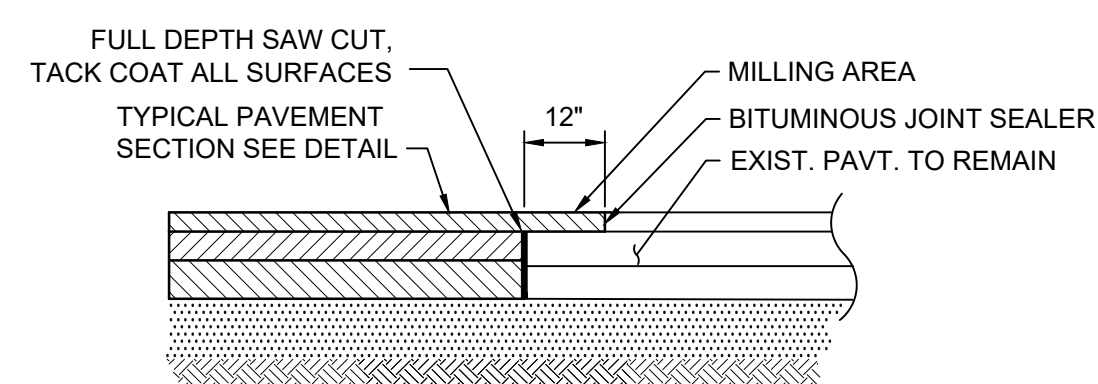


**NOTES:**

- MATERIAL SHALL BE GRAY CAST IRON CONFORMING TO A.S.T.M. A48 (LATEST REVISION) CLASS 30B.
- UNITS DESIGNED HEAVY DUTY FOR A.A.S.H.T.O. HS20-44 WHEEL LOADS.

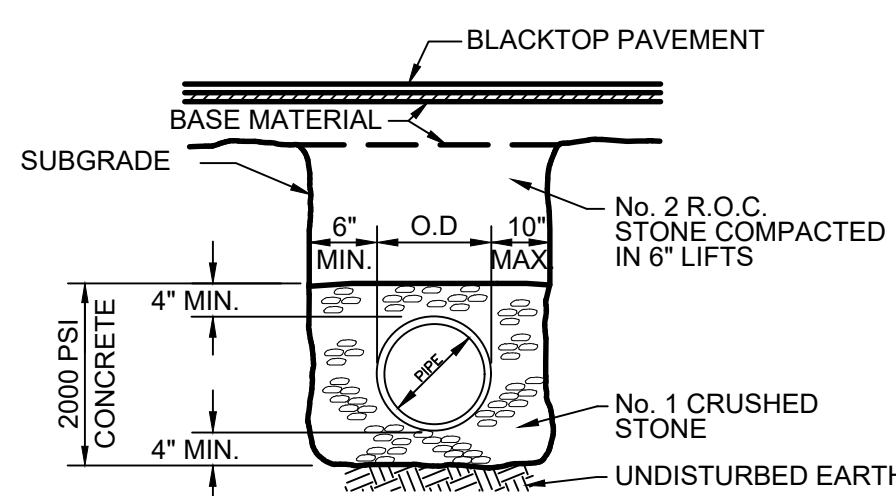
**7 FRAME AND GRATE DETAIL**

SCALE: NOT TO SCALE



**5 PAVEMENT MILLING AND OVERLAY**

SCALE: NOT TO SCALE



**PIPE BEDDING MATERIAL ①**

NO. 1 CRUSHED STONE WITH A GRADATION CONFORMING WITH NYSDOT SECTION 703-02. THE CRUSHED STONE SHALL BE WELL GRADED WITH NO PARTICLES LARGER THAN ONE (1) INCH AND HAVING A MAXIMUM GRADATION MEETING THE LIMITS DESCRIBED IN THE SPECIFICATIONS. THE BEDDING SHALL BE COMPACTED IN 6" LIFTS WITH EQUIPMENT ACCEPTABLE TO THE PIPE MANUFACTURER. NO SLAG SHALL BE ALLOWED.

**NOTES:**

- PIPE INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- TRENCHING OPERATIONS SHALL INCLUDE ALL NECESSARY DEWATERING.
- TRENCH DETAILS ARE ONLY SHOWN FOR PURPOSES OF MATERIAL PLACEMENT AND MAXIMUM PAY LIMITS.
- AN OSHA APPROVED MOVABLE PROTECTIVE TRENCH SHIELD SHALL BE USED IN ALL UNSHEETED TRENCH AREAS.
- TEMPORARY SHEETING AT CONTRACTOR'S OPTION AND EXPENSE. TEMPORARY SHEETING TO MEET OSHA REQUIREMENT.

**PIPE MATERIAL SPECIFICATIONS**

- HDPE PIPE - CORRUGATED POLYETHYLENE PIPE (8" TO 24" HDPE) SHALL MEET AASHTO M294 SPECS. JOINTS TO BE FIELD JOINED WITH STANDARD SPLIT COUPLERS.
- REINFORCED CONCRETE PIPE SHALL BE CLASS III AND MEET ASTM DESIGNATION C-76 SPECS. JOINTS FOR RCP SHALL BE EQUIPPED WITH ROUND RUBBER GASKETS.
- CORRUGATED METAL PIPE SHALL BE ALUMINIZED STEEL TYPE 2 WITH A MINIMUM 16 GAUGE AND MEET ASTM DESIGNATION A-444 SPECS. JOINTS FOR CMP SHALL BE FIELD JOINED WITH ALUMINIZED METAL BANDS.

**2 TYPICAL SECTION FOR SELECT BACKFILL AND CONCRETE ENCASEMENT STORM TRENCH DETAILS**

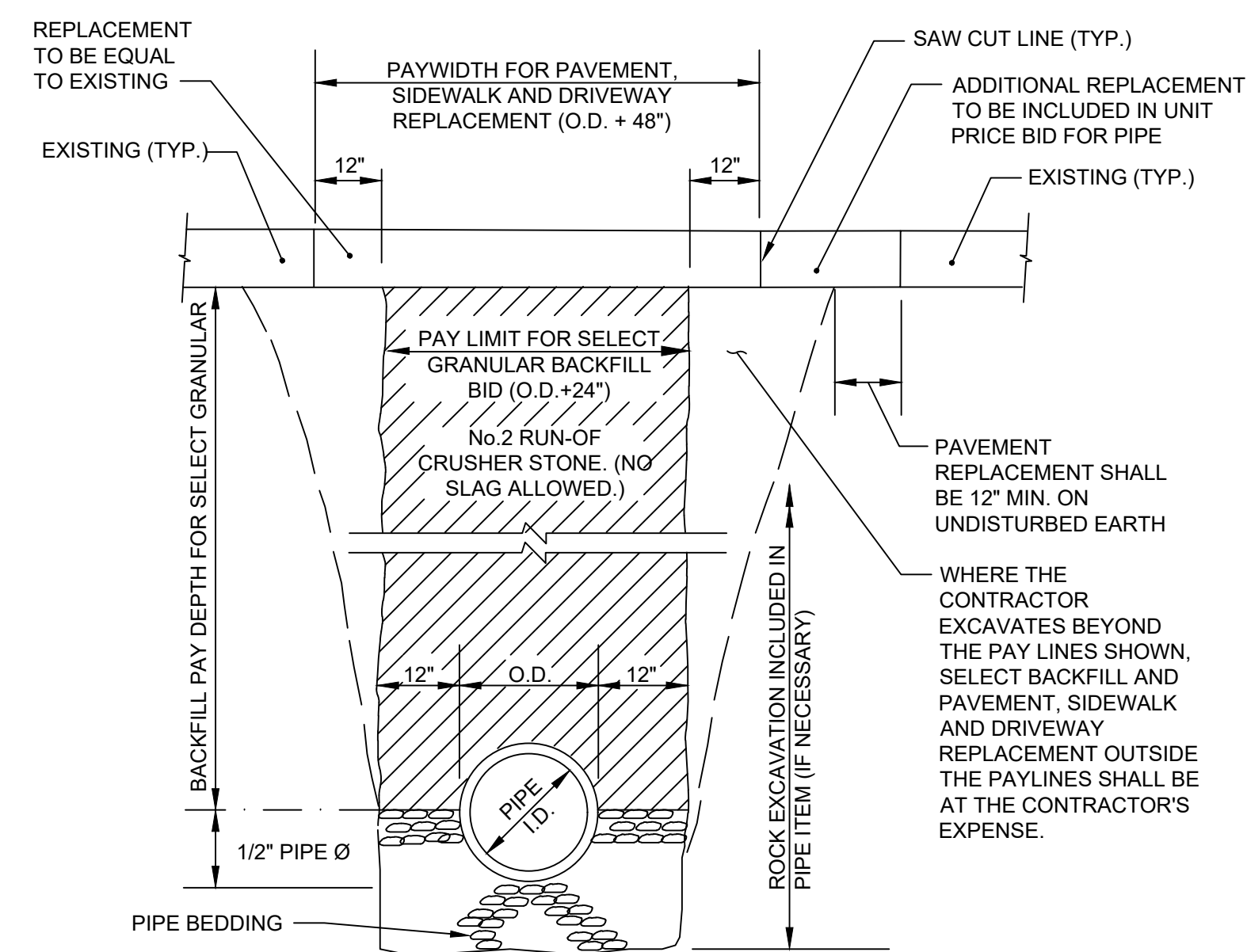
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**GENERAL NOTES:**

- UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE THIS INFORMATION VERIFIED AND LOCATED PRIOR TO CONSTRUCTION.
- WHERE EXISTING UTILITIES ARE REQUIRED TO BE RELOCATED, THE CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS WITH THE UTILITY COMPANY CONCERNED REGARDING SUCH RELOCATION. THE COST FOR RELOCATION OF UTILITIES SHALL BE INCLUDED IN THE UNIT PRICES BID FOR PIPE, INSTALLATION AND TRENCHING.
- ALL DEBRIS AND SPOIL SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR.
- BEFORE YOU DIG OR BLAST IN WESTERN NEW YORK CALL "DIG SAFELY NEW YORK" \*1-800-962-7962.
- PRIOR TO SUBBASE COURSE PLACEMENT, THE SURFACE ON WHICH THE SUBBASE IS TO BE PLACED SHALL BE THOROUGHLY COMPACTED TO THE 95% PROCTOR DENSITY AND PROOF ROLLED. PROOF ROLLING SHALL BE IN ACCORDANCE WITH SECTION 203-3.02C OF THE NYSDOT STANDARD SPECIFICATIONS.
- MATERIALS USED FOR THE CONSTRUCTION OF CATCH BASINS SHALL MEET THE REQUIREMENTS SPECIFIED IN NYSDOT SECTION 604-2
- CONSTRUCTION OF CATCH BASINS SHALL MEET THE REQUIREMENTS SPECIFIED IN NYSDOT SECTION 604-3.
- MATERIALS USED FOR UNDERDRAIN FILTER MATERIAL SHALL MEET THE REQUIREMENTS SPECIFIED IN NYSDOT SECTION 605-2 UNDERDRAIN FILTER TYPE II.
- THE CONTRACTOR SHALL SCHEDULE AND CONDUCT HIS/HER OPERATIONS TO MINIMIZE EROSION OF SOILS AND TO MINIMIZE SILTING AND MUDDYING OF STREAMS, RIVERS, IRRIGATION SYSTEMS, IMPOUNDMENTS (LAKES, RESERVOIRS, ETC.) AND LANDS ADJACENT TO/OR AFFECTED BY THE WORK CONSTRUCTION OF DRAINAGE FACILITIES AND PERFORMANCE OF OTHER CONTRACT WORK WHICH WILL CONTRIBUTE TO THE CONTROL OF EROSION AND SEDIMENTATION SHALL BE CARRIED OUT IN CONJUNCTION WITH EARTHWORK OPERATIONS OR AS SOON THEREAFTER AS PRACTICAL.
- THE CONTRACTOR SHALL NOT DISCHARGE DUST INTO THE ATMOSPHERE OF SUCH QUANTITY, CHARACTER OR DURATION THAT IT UNREASONABLY INTERFERES WITH THE COMFORTABLE ENJOYMENT OF LIFE AND PROPERTY, OR IS HARMFUL TO PLANTS AND ANIMALS.
- ALL APPLICABLE REGULATIONS OF FISH, WILDLIFE, AND ENVIRONMENTAL PROTECTION AGENCIES AND STATUTES RELATING TO THE PREVENTION ABATEMENT OF POLLUTION SHALL BE COMPLIED WITH.

**SPECIAL NOTE REGARDING TRENCH BACKFILL MATERIAL:**

- SHALE SHALL NOT BE USED AS BACKFILL MATERIAL FOR PIPE CROSSINGS OF THE PAVEMENT AND CURBS.
- SHALE SHALL NOT BE PLACED DIRECTLY AGAINST THE UNPROTECTED PIPE SURFACE. A MINIMUM OF 12" OF BEDDING STONE OR SELECT MATERIAL SHALL OVERLAY THE CROWN OF THE PIPE PRIOR TO PLACEMENT OF SHALE MATERIAL.



**3 TRENCH DETAIL FOR PAVEMENT, SIDEWALK AND DRIVEWAY REPLACEMENT**

SCALE: NOT TO SCALE

**NUSSBAUMER & CLARKE, INC.**  
EST. 1933  
ENGINEERS AND SURVEYORS

3556 Lake Shore Road, Suite 500 | Buffalo, NY 14219  
(716) 827-8000 | (716) 826-7958 fax  
www.nussclarke.com

REGULATORY REVIEW  
NOT FOR CONSTRUCTION

WEST HERR TOYOTA BODY SHOP  
ADDITION  
8129 MAIN STREET, CLARENCE, NY  
SITE DETAILS 1 OF 2

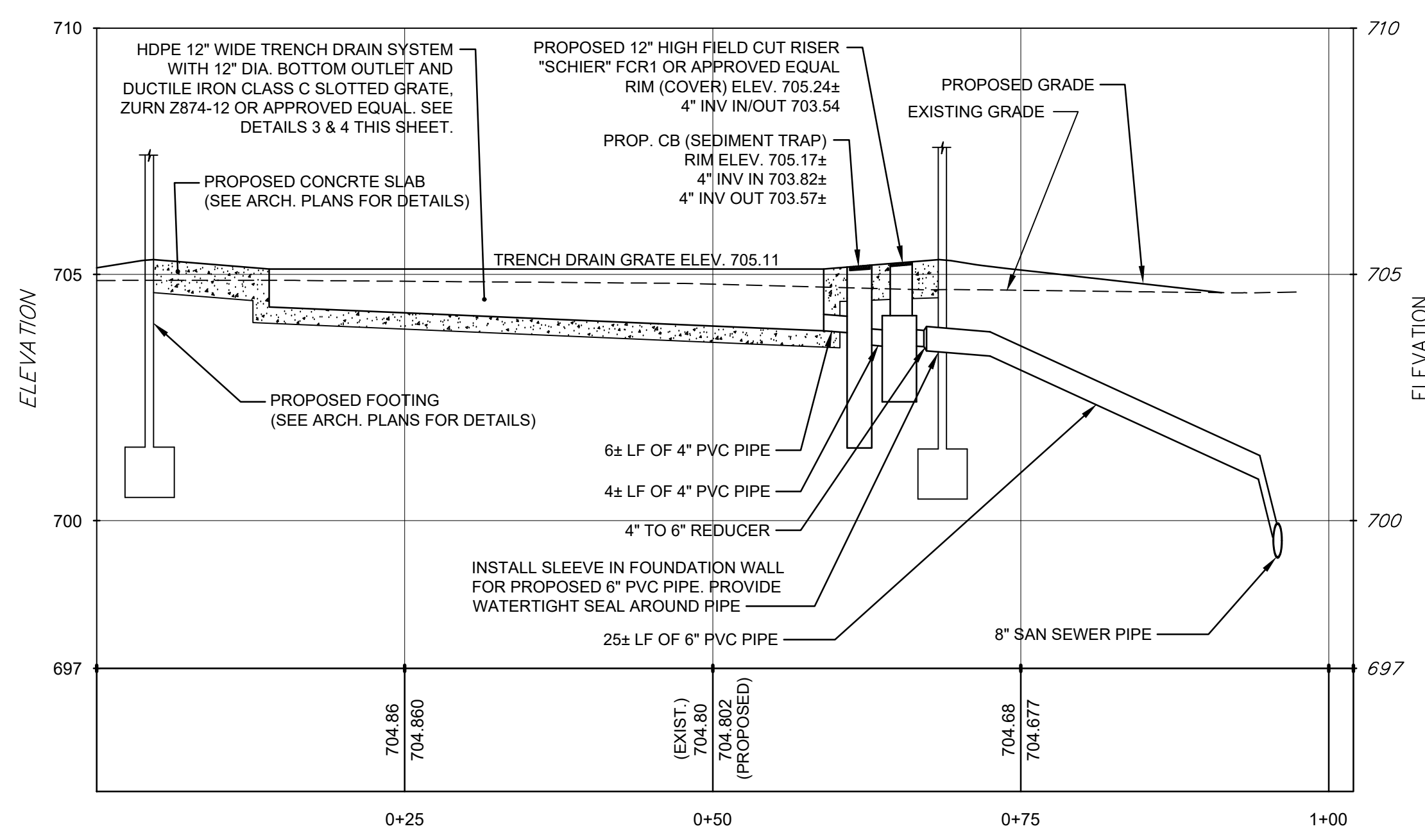
REVISIONS		
No.	DESCRIPTION	DATE

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& LAND SURVEYING IN THE  
STATE OF NEW YORK

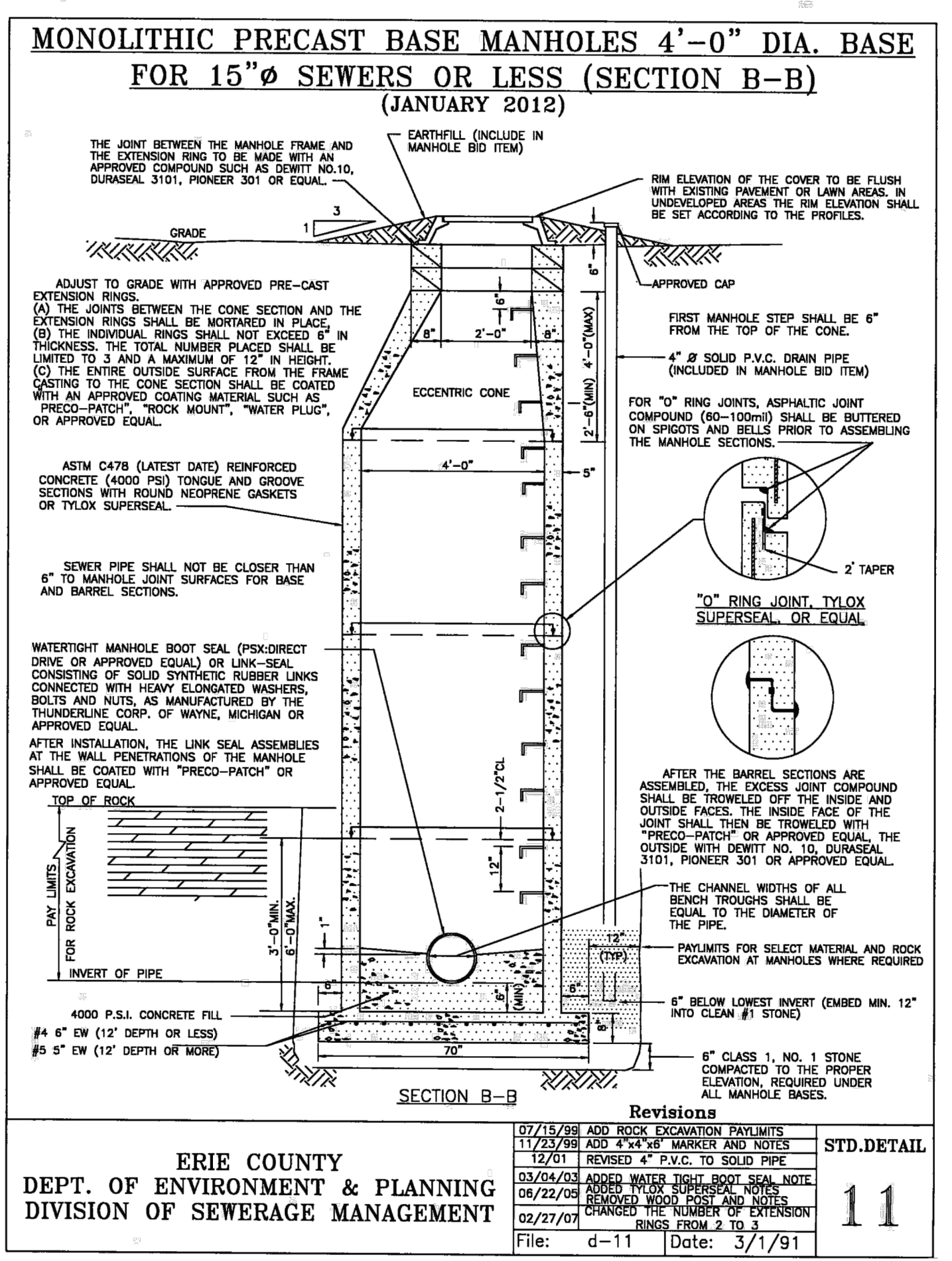
UNAUTHORIZED ALTERATION OR ADDITION TO THIS  
ENGINEERING DRAWING IS A VIOLATION OF  
SECTION 7209, PROVISION 2 OF THE NEW YORK STATE  
EDUCATION LAW.

PROJECT NUMBER	18J5-0040
DATE	11.26.18
DRAWN BY	TJB
DESIGNED BY	TJB
CHECKED BY	RJP
APPROVED BY	BLS
SCALE:	AS NOTED
= 1 INCH	
SHEET No.	4 OF 8

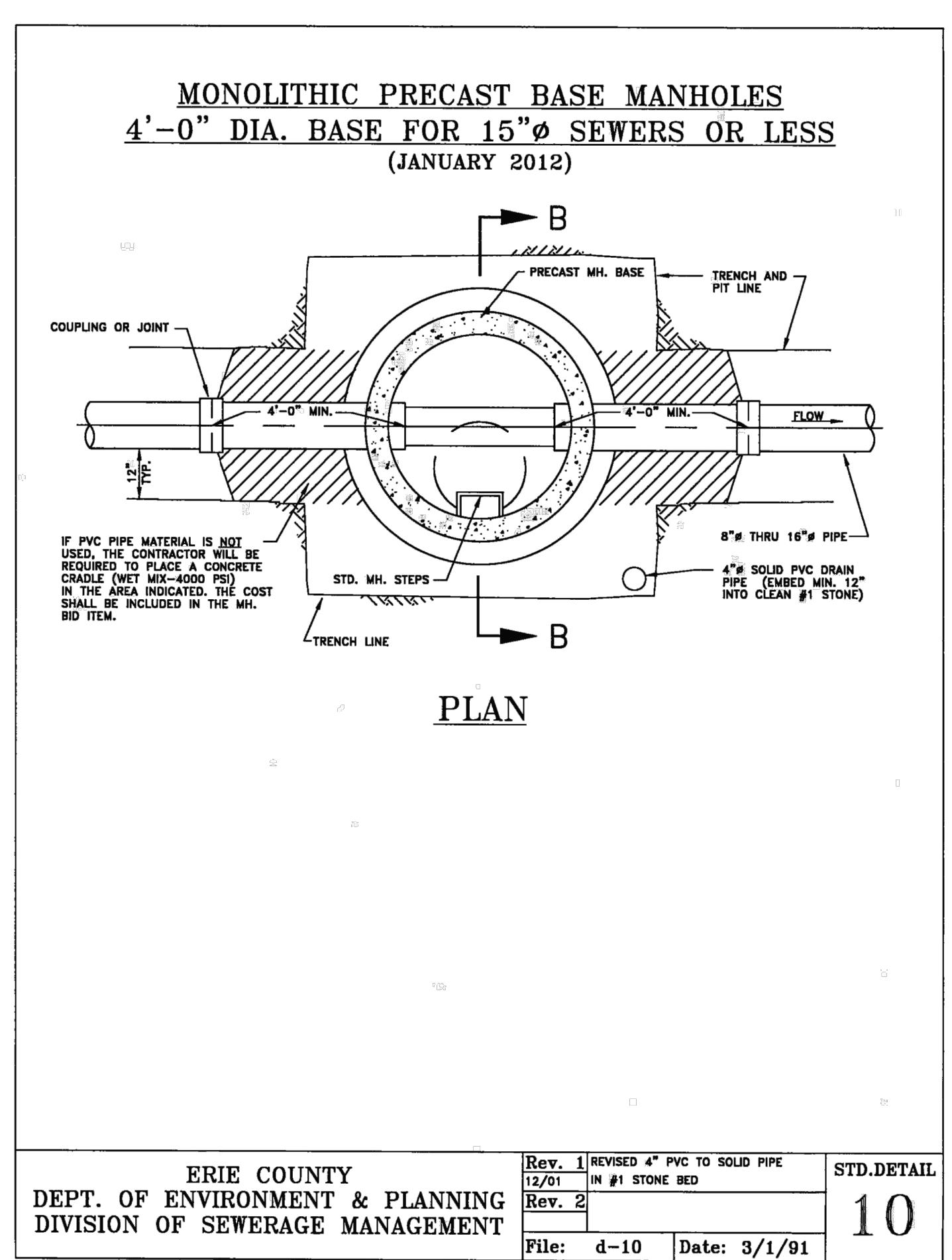
C-103



**5 TRENCH DRAIN PROFILE**  
SCALE: NOT TO SCALE



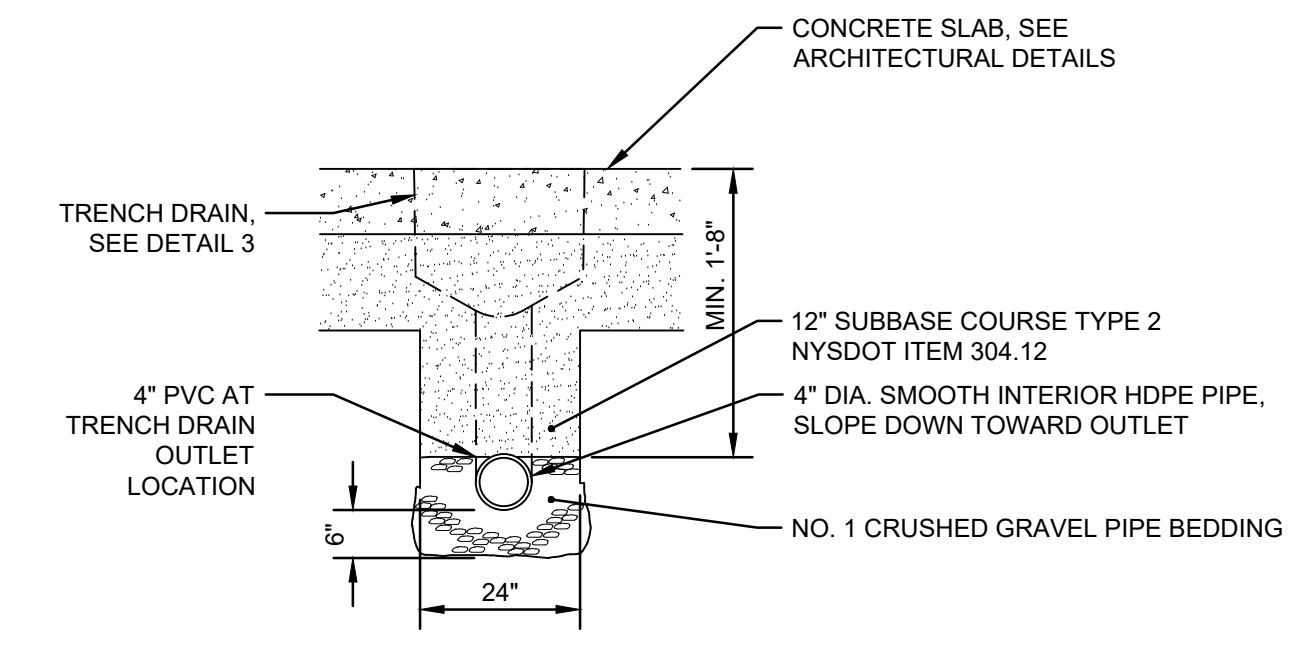
**1 TYPICAL MANHOLE DETAIL**  
SCALE: NOT TO SCALE



**2 TYPICAL MANHOLE BASE DETAIL**  
SCALE: NOT TO SCALE

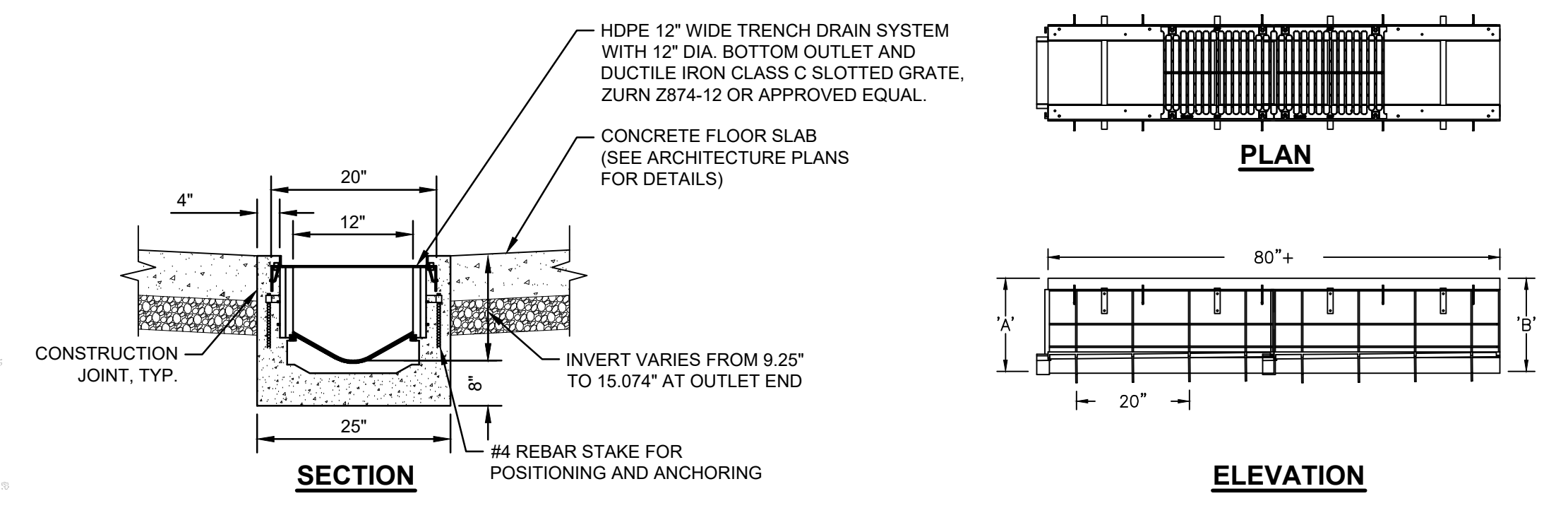
NOTES REQUIRED ON PLANS

- A. "The contractor is advised a trench shield and/or shoring designed in accordance with OSHA Standards shall be used in all open trench excavations".
- B. "Any contractor and/or plumber performing work in a confined space (i.e. manholes, wetwells, chambers) owned by an Erie County Sewer District, must certify to the County that they have their own Confined Space Entry Program that meets or exceeds OSHA's regulations. Certification must be notarized by a notary public".
- C. "Construction shall conform to the Rules and Regulations for Erie County Sewer Districts".
- D. If any proposed sewer lateral runs under paved area and has more than four (4) feet of cover, then on site plan and profile hatchmark and label, "select fill required" in affected areas.
- E. The contractor must contact the District Office 48 hours in advance of construction.
- F. Vents must be installed six (6) inches above grade, in a grassy area with a mushroom cap. If the vent is in a sidewalk or paved area, then protect with bollards (3 minimum).
- G. Cleanouts (c.o) are required every one hundred feet (100') and at change of direction.
- H. Abandoned sanitary sewer connections from the site, if any, require proof of a District Permit for Disconnection prior to the new connection being made.
- I. Reuse of existing building sewers shall conform to the Rules and Regulations for ECSD, Article III, Section 304.



**4 TRENCH DRAIN - PIPE TRENCH DETAIL**  
SCALE: NOT TO SCALE

Trench TD#1	'A' Shallow Inv.	'B' Deep Inv.	Flow (gpm)	(lps)	(cfs)
1201P	9.250 (235)	10.082 (256)	1475	89	3.306
1202P	10.082 (256)	10.914 (277)	1758	111	3.941
1203P	10.914 (277)	11.746 (298)	2048	129	4.589
1204P	11.746 (298)	12.578 (319)	2341	148	5.248
1205P	12.578 (319)	13.410 (341)	2639	166	5.915
1205NP	13.410 (341)	13.410 (341)	-	-	-
1206P	13.410 (341)	14.242 (362)	2939	185	6.589
1207P	14.242 (362)	15.074 (383)	3243	205	7.288
1208P	15.074 (383)	15.906 (404)	3548	224	7.953



**3 TRENCH DRAIN DETAIL (ZURN Z874-12)**  
SCALE: NOT TO SCALE

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www.nussclark.com

**REGULATORY REVIEW  
NOT FOR CONSTRUCTION**

**WEST HERR TOYOTA BODY SHOP  
ADDITION  
8129 MAIN STREET, CLARENCE, NY**

**SITE DETAILS 2 OF 2**

REVISIONS

No.	DESCRIPTION	DATE
0		

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PROJECT NUMBER 18J5-0040  
DATE 11.26.18  
DRAWN BY TJB  
DESIGNED BY TJB  
CHECKED BY RJP  
APPROVED BY BLS  
SCALE: AS NOTED  
SHEET No. 5 OF 8

**C-104**

GENERAL NOTES FOR SANITARY SEWER CONSTRUCTION WITHIN ERIE COUNTY SEWER DISTRICTS

- 1. The Erie County Division of Sewerage Management (DSM), who operates and maintains the existing sewer lines and appurtenances within Erie County Sewer Districts (ECSD), is to be notified at least 48 hours in advance of the start of construction.
2. Construction shall be in accordance with the Rules and Regulations for Erie County Sewer Districts.
3. All permits required by the Federal, State, County, City and/or Town governments to perform work must be obtained prior to the start of work, and paid for by the Contractor.
4. If easement and/or Out of District Agreements are required, they must be complete and ready to be filed before the project will be approved for construction.
5. The contractor shall comply in all respects to the Industrial Code Part (Rule No.) 53 relating to construction, excavation, and demolition operations at or near underground facilities, as issued by the State of New York Department of Labor, Board of Standard and Appeals.
6. The construction of the sanitary sewer facilities shall be under the supervision of a person or firm qualified to practice professional engineering in New York State under the Education Law of the State, whenever engineering services are required by such law for such purposes.
7. Where such sanitary sewer facilities are under the supervision of a professional engineer, he/she shall certify to the DSM and to the applicant that the constructed facilities have been under his/her supervision and that the work has been fully completed in accordance with the approved engineering reports, plans, specifications, and approvals.
8. The Contractor is solely responsible for all site safety. The Contractor's equipment and methods of operation shall be in full compliance with OSHA Standards and satisfy all Federal, State and Local Health and Safety Regulations.
9. The Contractor is advised a trench shield and/or shoring designed in accordance with OSHA Standards shall be used in all open trench excavations.
10. Any contractor and/or plumber performing work in a confined space (i.e. manholes, wetwells, and chambers) owned by an Erie County Sewer District, must certify to the County that they have their own Confined Space Entry Program that meets or exceeds OSHA's regulations. Certification must be notarized by a notary public.
11. The contractor shall expose existing utilities ahead of the pipe laying operation, so if minor adjustments must be made in the pipe elevation and/or alignment due to interference from these utilities, said changes can be made in advance of the work.
12. The contractor shall retain the services of a qualified tree expert to remove, where necessary, branches which interfere with the construction operation, or to repair trees having suffered damage by construction activities. The cost involved is to be included in the various items of the contract.
13. The proposed 8 through 12 inch diameter sanitary sewer pipe shall be polyvinyl chloride (PVC) sewer pipe conforming to the latest revisions of American Society for Testing and Materials (ASTM) designation D-3034, SDR-35, installed in accordance with the ASTM designation D-2321-83a or the latest revision thereof, or approved equal. Larger diameter pipes will be reviewed on a case by case basis.
14. Sewers shall be laid with straight alignment between manholes and shall be checked by using a laser beam or lamping.
15. Should a fluid condition be encountered at the trench bottom, the contractor is to undercut the trench and provide suitable fill material (stone & fabric) to stabilize the trench bottom.
16. Sanitary sewer bedding material shall be No. 1 crushed stone with a gradation conforming to the DSM Specifications for Subdivisions and Sanitary Sewer Extensions.
17. Backfill shall be of a suitable material removed from the excavation except where other material is specified. Debris, frozen material, large clods or stones, organic matter, or other unstable materials shall not be used for backfill within two (2') feet of the top of the pipe.
18. All pipes crossing under paved areas are to be backfilled to sub-grade with compacted select material (No. 2 crushed stone) to five (5') feet outside the pavement edges or as required by the highway permit. If any proposed sewer runs under paved areas and has less than four (4) feet of cover, then concrete encasement is required as shown on the DSM Typical Concrete Encasement Detail.
19. Sewers parallel to watermains - Ten State Standards, Latest Edition, Chapter 30, Section 38.31, and Page 30-11: Sewers shall be laid at least ten (10') feet (three (3) meters) horizontally from any existing or proposed water main. The distance shall be measured edge to edge. In cases where it is not practical to maintain a ten (10') foot separation, the appropriate reviewing agency may allow deviation on a case-by-case basis, if supported by data from the design engineer. Such deviation may allow installation of the sewer closer to a water main, provided that the water main is in a separate trench or on an undisturbed earth shelf located on one side of the sewer and at an elevation so the bottom of the water main is at least 18-inches (460 mm) above the top of the sewer.

- If it is impossible to obtain proper horizontal and vertical separation as described above, both the water main and sewer must be constructed of slip-on or mechanical joint pipe complying with public water supply design standards of the regulatory agency and be pressure tested to 150 pounds per square inch (psi) (1034 kPa) to assure water tightness prior to backfilling.
20. Sewers crossing watermains - Ten State Standards, Latest Edition, Chapter 30, Section 38.32, Page 30-11 to 30-12: Sewers crossing water mains shall be laid to provide a minimum vertical distance of 18-inches (460 mm) between the outside of the water main and the outside of the sewer. This shall be the case where the water main is either above or below the sewer. The crossing shall be arranged so that the sewer joints will be equidistant and as far as possible from the water main joints. Where a water main crosses under a sewer, adequate structural support shall be provided for the sewer to maintain line and grade.
21. When it is impossible to obtain proper horizontal and vertical separation as stipulated above, one of the following methods must be specified:
a. The sewer shall be designed and constructed equal to water pipe, and shall be pressure tested at 150 psi (1034 kPa) to assure water tightness prior to backfilling.
b. Either the water main or the sewer line may be encased in a watertight carrier pipe which extends ten (10') feet (three (3) meters) on both sides of the crossing, measured perpendicular to the water main. The carrier pipe shall be of materials approved by the regulatory agency for use in water main construction.
c. The sewer shall be encased in concrete per the DSM Watermain Crossing Detail Typical For Encasement
22. The manhole covers are to bear the inscription "ECSD SANITARY" and comply with the DSM Standard Frame and Cover detail. For private projects the covers shall bear the inscription "SANITARY SEWER" and comply with the DSM Standard Frame and Cover (Private Sewer) detail.
23. Building sanitary sewer vents must be installed six (6) inches above finished grade in a grassy area with a mushroom cap. If the vent is in a sidewalk or paved area, then protect with 6" diameter bollards (2 minimum).
24. Cleanouts (c.o.) are required on 4" and 6" building sewers every fifty feet and one hundred feet respectively, and at every change of alignment.
25. Abandoned building sewer connections from the site, if any, require proof of a District Permit for Disconnection prior to the new connection being made.
26. The following pertains only for direct replacement of in service sanitary sewers:
a. Each new pipe joint shall be ultrasonic tested after it is laid, but before the next pipe is laid. All tests shall be in accordance with the testing equipment manufacture recommendations.
b. The ultrasonic test shall be performed in lieu of the hydrostatic and air tests.
c. A video inspection of the entire sewer shall be performed. Forward the video inspection tape and related paperwork to DSM for review and approval.
d. A deflection test is required in all cases.
27. For all sanitary sewer installations, a written certificate of construction completeness and compliance, including the results of the hydrostatic leakage test, lamp test, deflection test, air test, etc. shall be submitted to the Erie County Health Department and DSM within thirty (30) days after completion of construction.
28. For all public and private 8" diameter pipe or larger sanitary sewer installations, the developer/contractor must provide one (1) set of record drawings on "D" size paper (24" x 36") and in an electronic file format (CD or flash drive) compatible with the latest AutoCAD release.
29. All public sewer extension projects that consist of more than 750 LF of 8" diameter pipe or larger, shall furnish a 2 year maintenance bond to the DSM.
30. Final Certification will be issued upon the full completeness and compliance of the project including any requirement(s) of I&I remedial work.

AIR TESTS, INFILTRATION OR EXFILTRATION AND DEFLECTION REQUIREMENTS WITHIN ERIE COUNTY SEWER DISTRICTS

- A. Requirements
1. After backfilling and prior to the final acceptance of the project, the Contractor will be required to perform the following four tests on all sewers built under this project:
a) Air Tests
b) Infiltration or Exfiltration
c) Deflection Test (15" dia. and smaller).
2. No more than 1,000 linear feet of installed sewer shall be allowed to remain untested.
3. In view of the fact that house laterals and riser pipes often contribute considerable infiltration, such laterals and risers are to be installed and capped, tied and blocked as the work progresses, prior to the air testing of the lines.
4. The Contractor's testing procedures shall be completed in accordance with OSHA Standards for confined space entry. The Contractor will be required to provide and operate all equipment necessary for full compliance for his operation. Equipment such as gas detectors, safety harnesses, ventilating blowers, respirators etc. shall be provided by the Contractor.
B. Air Tests (Required for All Diameters up to and including 36") 10 State Standards Section, 33.94
1) This test shall be performed no earlier than 14 calendar days after the trenches are backfilled.
2) The procedure for air testing shall be as specified herein. The minimum allowable time for the test pressure to decrease from 3.5 psi to 3.0 psi shall be not less than as called for in the following table:

AIR TESTS, INFILTRATION OR EXFILTRATION AND DEFLECTION REQUIREMENTS WITHIN ERIE COUNTY SEWER DISTRICTS (CONTINUED)

Table with 5 columns: Pipe Diameter, Up to 100', 100 - 200', 200 - 300', 300 - 400'. Rows include diameters from 6" to 27" and 30" to 36".

\* Erie County Sewer District Inspector will extend time to the next full minute during the test.

- 3. Pipe lines in sizes up to 36 inches in diameter can be air tested from manhole to manhole for distances not to exceed 400 feet.
4. In wet trenches where pumping to lower the water table is impractical, approved 4" diameter, solid PVC drain pipe (with approved cap) shall be placed at each manhole to extend from a point 6 inches below the lowest invert to the top of the ground. Embed the pipe a minimum of 12" into clean #1 stone. Ground water elevations will be measured at each manhole in order to calculate the groundwater pressure acting on the pipe exterior. The initial air test pressure shall be increased as necessary to overcome the calculated groundwater pressure.
5. The testing procedures outlined shall be strictly adhered to.
6. All testing equipment shall be supplied by the Contractor and be in good working condition. Some of the major equipment required for air tests is:
a) Stop watch graduated in tenths of a second.
b) Compressor of 50 to 100 psi capacity.
c) Bulkheads for pipe.
d) Approximately 100 feet of 3/8" diameter air hose.
e) Pressure gauge - 0 to 5 psi graduated in 1/16th of a pound increments.
f) Three 3/8 inch diameter check valves.

C. Infiltration Tests (Applicable Only if Ground Water is Two Feet Above the Top of the Pipe)

- 1. This test shall be performed no earlier than 14 calendar days after the trenches are backfilled.
2. Infiltration tests for all sewers constructed under this project shall not exceed 100 gallons per inch diameter per mile of sewer, per 24 hours. Each individual run of sewer (from one manhole to the next manhole if greater than 100 feet) shall comply with the allowable rate of infiltration. All equipment for the tests shall be furnished by the Contractor and be in good working condition.
3. The allowable rate of infiltration given in gallons per mile is not to be construed as a commitment on the part of the District to accept an entire line, where overall infiltration is less than the allowable, while one or more runs contribute excessive infiltration.
4. The infiltration test is intended to measure the water tightness of a sewer as related to the infiltration of ground water and is only applicable if the water table level is 2 feet or higher above the top of the pipe for the entire length of the test section.
a) Approved 4" diameter solid PVC drain pipe (with an approved cap) shall be placed at each manhole to extend from a point 6 inches below the lowest invert to the top of the ground. Embed the pipe a minimum of 12" into clean #1 stone. Ground water elevations will be measured at each manhole so that the ground water level can be correlated with the infiltration measurements.
b) Before conducting the tests, the water table should be allowed to stabilize at its normal level and verified that it is 2 feet above the top of the pipe during the test period. The test is usually conducted between adjacent manholes with the upstream end of the sewer bulkheaded in a suitable manner to isolate the test section. All service laterals, stubs and fittings should be properly plugged or capped at the connections to the test pipe section to prevent the entrance of ground water at these locations.
c) A V-notch weir or other suitable measuring device should be installed in the inlet pipe of the downstream manhole. Infiltrating water is then allowed to build up and level off behind the weir until a steady, uniform flow occurs over the weir. Leakage is determined by direct reading from graduations on the weir consecutively for five (5) days and converting the flow quantity to gallons per unit length of pipe per unit of time.

d) An important factor in applying the test criteria is to properly correlate the variable water head over the length of the sewer being tested to the high ground water level. A minimum of 2 feet of water over the pipe is required at the upper manhole before the infiltration test will be allowed.

5. When a sewer run between two consecutive manholes or chambers is found to contribute infiltration at a rate above the allowable, inspection by television or other cameras may be made by the Contractor so that the defective section of sewer can be located and repaired. Each individual run of sewer (from one manhole to the next manhole if greater than 100 feet) shall comply with the allowable rate of infiltration of 100 gallons per inch diameter per mile of sewer per 24 hours.

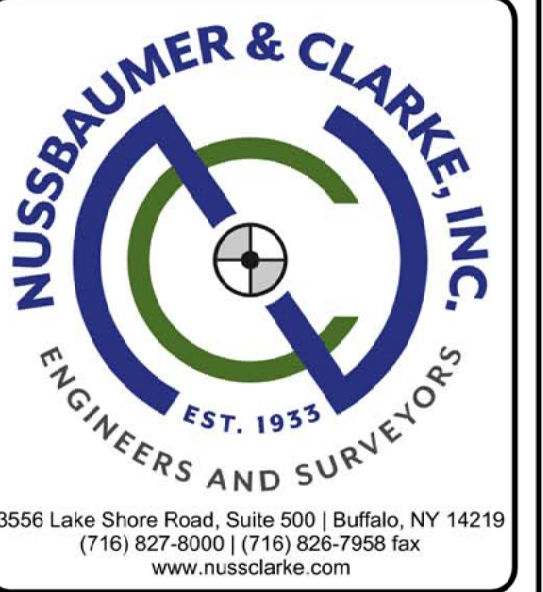
D. Exfiltration Tests

- 1. This test shall be performed no earlier than 14 calendar days after the trenches are backfilled.
2. The exfiltration test for all diameter sewers shall be as described below. Although actual infiltration will normally be less than that indicated by the water exfiltration test, the test does provide a positive means of subjecting the completed sewer system to an actual pressure test. Since sanitary sewers are not designed or expected to operate as a pressure system, care must be exercised in conducting the test and correlating the results with the allowable exfiltration limits.
a) The test is usually conducted between adjacent manholes. Prior to the test, all service laterals, stubs and fittings within the test section should be plugged or capped and adequately braced or blocked to withstand the water pressure resulting from the test.
b) If manholes are to be included in the test, the inlet pipe to each manhole should be bulkheaded and the test section filled with water through the upstream manhole. To allow air to escape from the sewer, the flow should be at a steady rate until the water level in the upstream manhole provides an average pressure of 5 psi (11.6' head) at the center point of the test section or the upstream manhole is filled. If necessary, provisions should be made to bleed off entrapped air during the filling of the test section.
c) Once the test section is filled, the water should be allowed to stand for an adequate period of time (one day minimum) to allow for water absorption by the pipe and manhole. After water absorption has stabilized, the water level in the upstream manhole is brought up to the proper test level and this level established by measuring down from the manhole rim or other convenient datum point. After 24 hours, the water elevation should be measured from the same reference point and the loss of water during the test period calculated, or the water can be restored to the level existing at the beginning of the test, and the amount added used to determine the leakage.
d) To exclude both manholes from the test, it is necessary to bulkhead the outlet pipe of the upstream manhole. Provision must be made in the bulkhead for filling the pipe and expelling trapped air.
e) The water level at the upstream manhole shall be computed and varies above the top of the pipe. Since the sewer is installed on a grade, the test section downstream will most likely be subjected to a greater pressure. Therefore, the test pressure head at the upstream manhole should be adjusted such that the maximum pressure on the pipe being tested is no greater than 10 psi, (23 feet of head).

3. When a sewer run between two consecutive manholes or chambers is found to exfiltrate at a rate above the allowable, inspection by television or other cameras may be made by the Contractor during wet weather, so that the defective section of sewer can be located and repaired. Each individual run of sewer (from one manhole to the next manhole) shall comply with the allowable rate of infiltration of 100 gallons per inch diameter per mile of sewer per 24 hours.

E. Deflection Test

- 1. This test shall be performed no earlier than 30 calendar days after the trenches are backfilled.
2. All flexible (PVC) sewers 8" diameter or larger constructed under this project shall be internally checked with a five percent (5%) deflection "go-no-go pig" or Mandrel to determine if the pipes are deflecting excessively. Any section of pipe unable to pass the deflection test "pig test" shall be removed and replaced at the Contractor's expense.
3. Deflection testing mandrels or pig shall be pulled thru the pipe by hand or hand operated winch. Power winches or drives are not permitted.



REGULATORY REVIEW NOT FOR CONSTRUCTION

WEST HERR TOYOTA BODY SHOP ADDITION 8129 MAIN STREET, CLARENCE, NY SANITARY SEWER NOTES

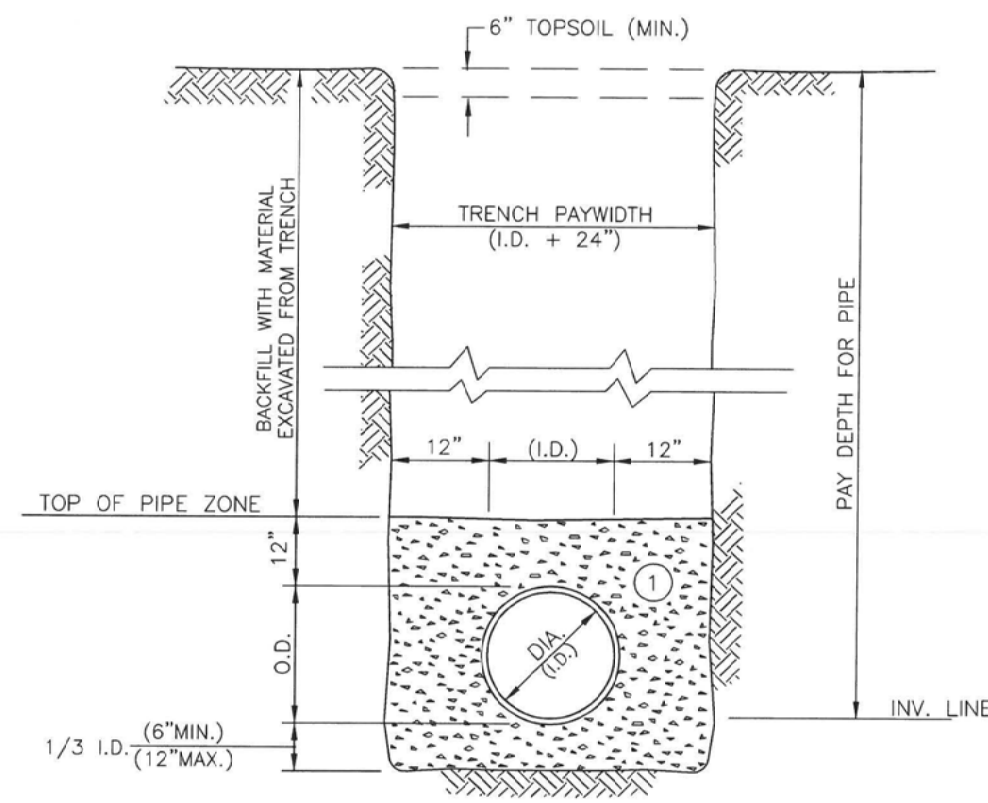
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Table with project details: PROJECT NUMBER 18J5-0040, DATE 11.26.18, DRAWN BY TJB, DESIGNED BY TJB, CHECKED BY RJP, APPROVED BY BLS, SCALE AS NOTED, SHEET No. 6 OF 8, C-105

### UNSHEETED TRENCH DETAIL (JANUARY 2012)



- NOTES:
- PIPE INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
  - TRENCHING OPERATIONS SHALL INCLUDE ALL NECESSARY DEWATERING.
  - TRENCH DETAILS ARE ONLY SHOWN FOR PURPOSES OF MATERIAL PLACEMENT AND MAXIMUM PAY LIMITS.
  - AN OSHA APPROVED MOVABLE PROTECTIVE TRENCH SHIELD SHALL BE USED IN ALL UNSHEETED TRENCH AREAS.

#### MATERIALS

1. PIPE BEDDING MATERIAL (NYS DOT LATEST EDITION)  
NO.1 CRUSHED STONE WITH A GRADATION CONFORMING WITH NYS DOT SECTION 703-02. THE CRUSHED STONE SHALL BE WELL GRADED WITH NO PARTICLES LARGER THAN 1" AND HAVING A MAXIMUM GRADATION MEETING THE LIMITS DESCRIBED IN THE SPECIFICATIONS. THE BEDDING SHALL BE COMPACTED IN 6" LIFTS WITH EQUIPMENT ACCEPTABLE TO THE PIPE MANUFACTURER.
- NOTE: SLAG SHALL NOT BE ALLOWED FOR MATERIALS 1

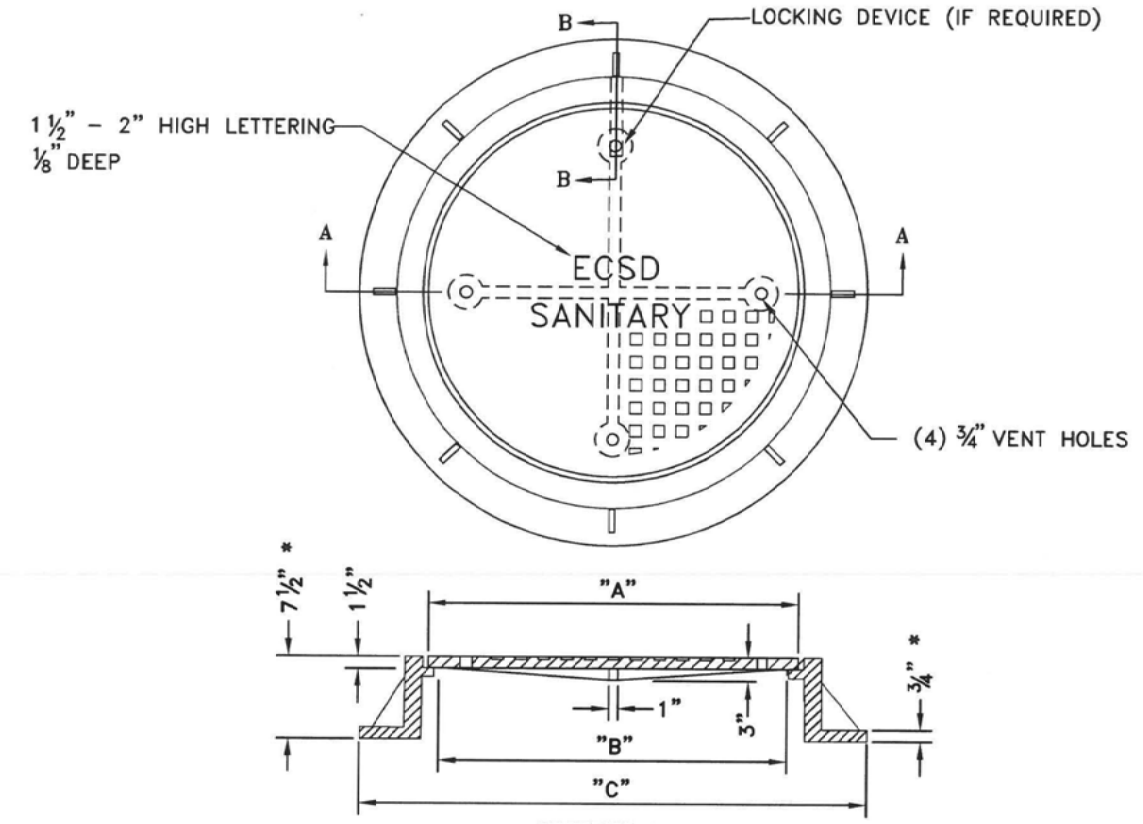
ERIE COUNTY  
DEPT. OF ENVIRONMENT & PLANNING  
DIVISION OF SEWERAGE MANAGEMENT

Rev. 1 2/23/04 NOTE 2: PIPE INSTALLATION  
Rev. 2 2/7/04 ADDED NOTE C & D

File: d-01 Date: 3/1/91

STD.DETAIL  
**1**

### STANDARD FRAME AND COVER (DECEMBER 2013)



PIPE SIZE	DIMENSION "A"	DIMENSION "B"	DIMENSION "C"	WEIGHT OF COVER
8" THRU 18"	24"	22 1/4"	35"(MAX.)	150 LB. ± 5%
OVER 18"	32"	30"	46"(MAX.)	200 LB. ± 5%

#### STANDARD FRAME AND COVER NOTES

- MATERIAL: ASTM A48 CLASS 30B CAST IRON CONFORMING TO AASHTO DESIGNATION M105-06.
- UNIT MUST WITHSTAND H-20 WHEEL LOADING, AND CONFORM TO AASHTO DESIGNATION M306-10.
- ALL DIMENSIONS ARE TO BE CONSIDERED MINIMUM WITH THE EXCEPTION OF THE COVER, WHICH MUST CONFORM EXACTLY TO MAINTAIN INTERCHANGEABILITY WITHIN THE COUNTY.
- COATING NOT REQUIRED.
- FRAMES AND COVERS SHALL HAVE MACHINED BEARING SURFACES.
- LOCKING DEVICE MUST BE SITUATED TO ALLOW EASY REMOVAL OF COVER.
- NO LETTERING OTHER THAN ECSD SANITARY WILL BE ALLOWED ON THE EXPOSED SURFACE OF THE COVER.
- 1/2" FLANGE THICKNESS AND 7" HEIGHT ACCEPTABLE IF CLASS 35 CAST IRON MATERIAL PROVIDED.

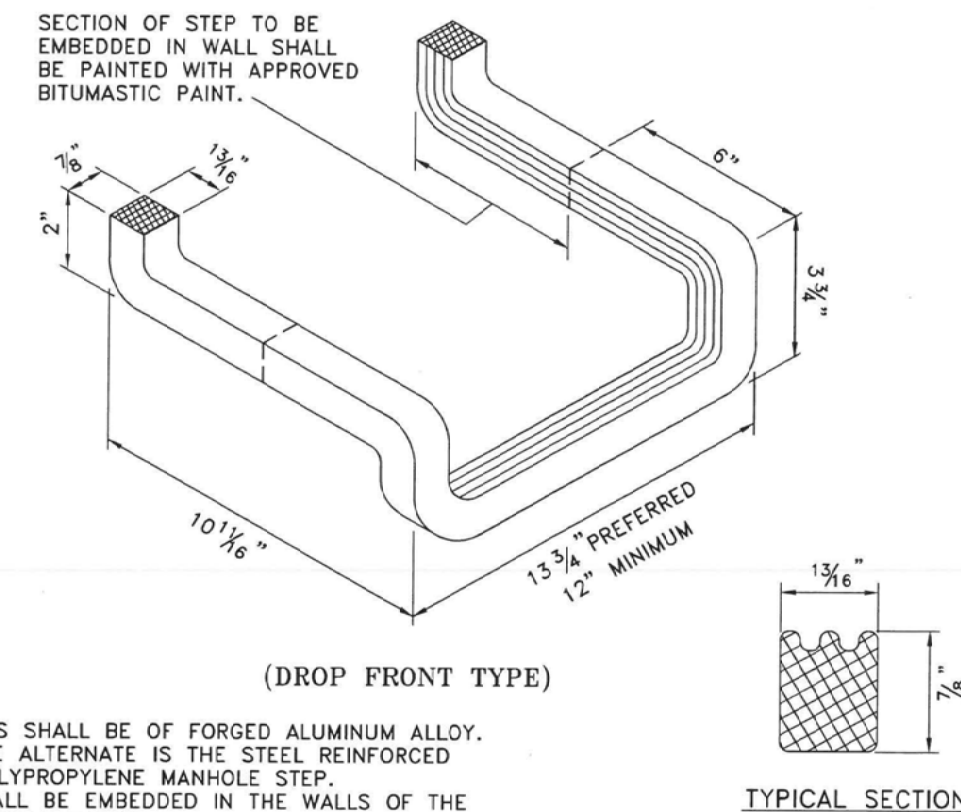
ERIE COUNTY  
DEPT. OF ENVIRONMENT & PLANNING  
DIVISION OF SEWERAGE MANAGEMENT

Rev. 1 11/15/06 REV'D PIPE SIZE TO OVER 18"  
Rev. 2 12/29/06 REV'D <18" DIMENSIONS  
Rev. 3 10/2/07 REV'D FRAME & LOCKS  
Rev. 4 10/2/07 ADDED WEIGHTS TO TABLE  
Rev. 5 12/29/13 REV'D WEIGHTS AND AASHTO TYPE

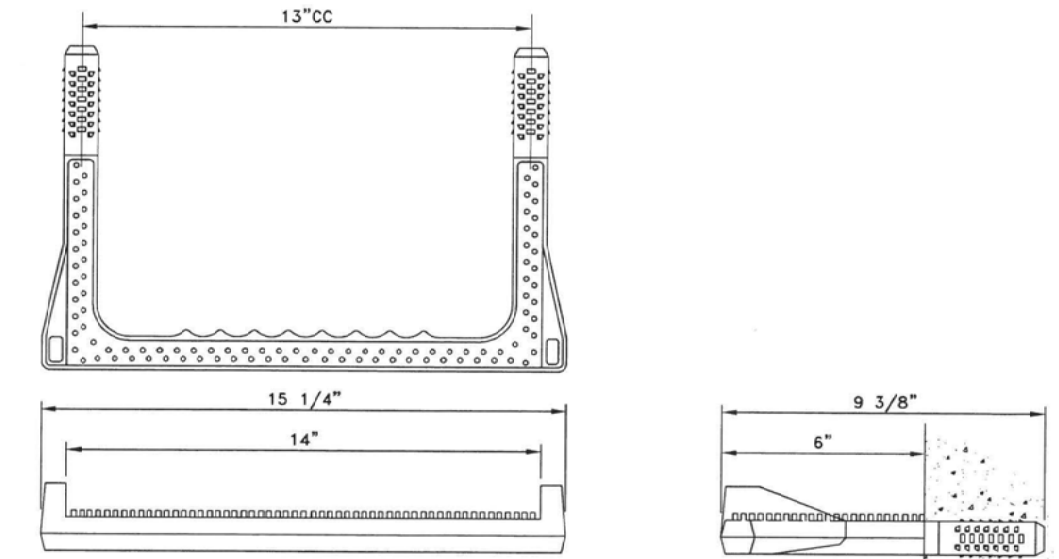
File: d-13 Date: 3/1/91

STD.DETAIL  
**13**

### STANDARD MANHOLE STEP (JANUARY 2012)



- NOTES:
- MANHOLE STEPS SHALL BE OF FORGED ALUMINUM ALLOY.
  - AN ACCEPTABLE ALTERNATE IS THE STEEL REINFORCED COPOLYMER POLYPROPYLENE MANHOLE STEP.
  - THE STEPS SHALL BE EMBEDDED IN THE WALLS OF THE CONCRETE MANHOLE BARREL WHILE THE MANHOLE IS BEING CAST OR SECURELY GROUTED IN PLACE AFTER CASTING.



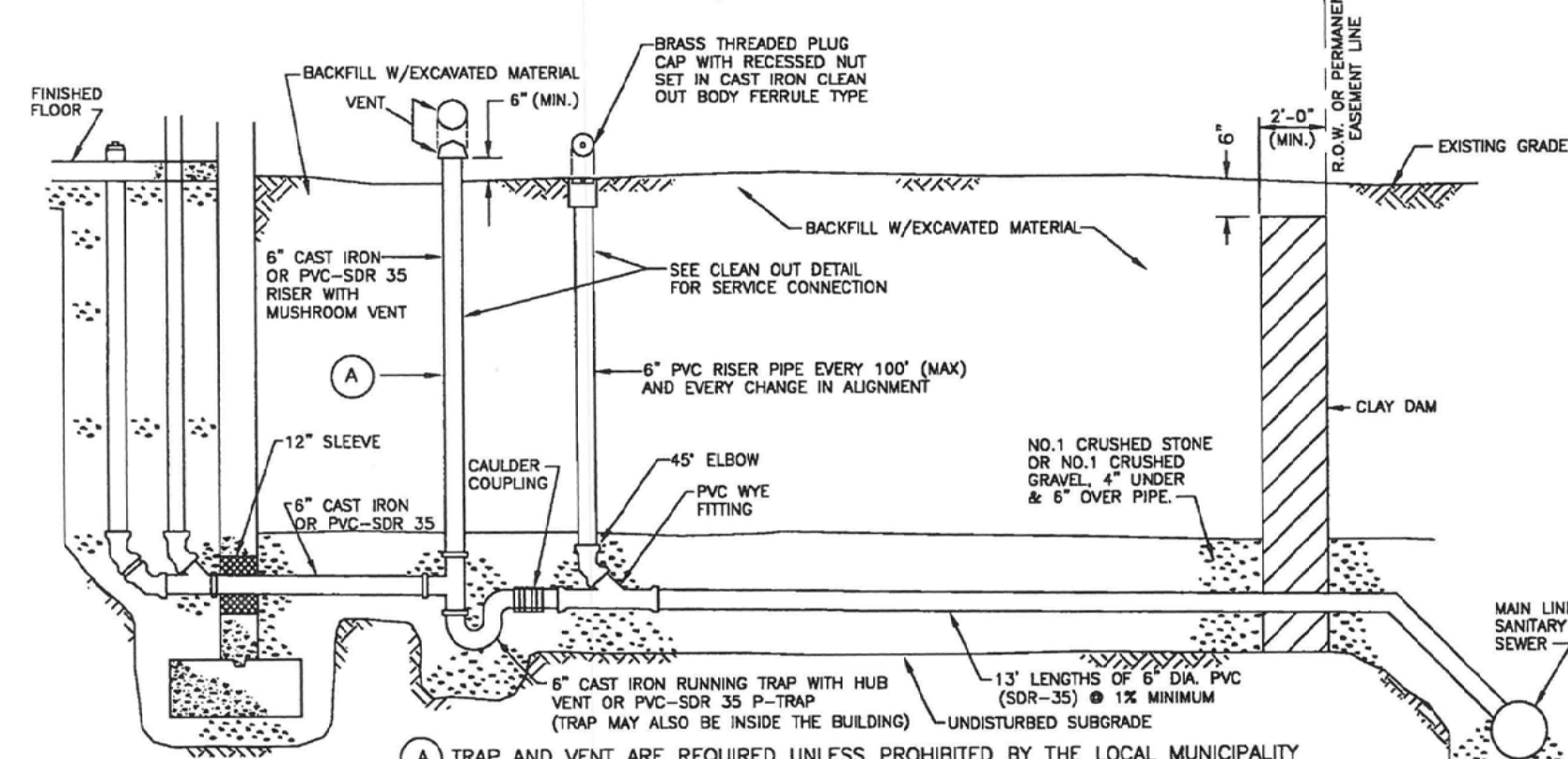
ERIE COUNTY  
DEPT. OF ENVIRONMENT & PLANNING  
DIVISION OF SEWERAGE MANAGEMENT

Rev. 1 12/9/06 ADDED REINFORCED COPOLYMER TYPE STEP  
Rev. 2

File: d-17 Date: 3/1/91

STD.DETAIL  
**17**

### TYPICAL COMMERCIAL SERVICE WITHOUT BASEMENT DETAIL (JANUARY 2018)



- NOTES:
- NO INSPECTION WILL BE PROVIDED WITHOUT A FORMAL INSPECTION REQUIRE 24 HR. ADVANCE NOTICE FOR SCHEDULING.
  - ALL WORK MUST BE INSPECTED BY A COUNTY INSPECTOR.
  - PIPE MATERIAL SHALL BE MANUFACTURED IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST ASTM SPECIFICATION. D-SHIELD SHALL BE CAST IRON PIPE MATERIAL SHALL BE EXTRA HEAVY CAST IRON MEETING THE REQUIREMENTS OF ASTM A742.
  - VENTS AND CLEANOUTS MUST BE INSTALLED IN LAWN AREAS, NOT IN SIDEWALK OR DRIVEWAY AREAS, UNLESS OTHERWISE SPECIFIED.
  - CONCRETE ENCASUREMENT IF COVER DEPTH IS LESS THAN 4'-0" UNDER PROVIDED AREAS.
  - MIN. DEPTH OF COVER 3'-0"
  - TRAP AND VENT ARE REQUIRED UNLESS PROHIBITED BY THE LOCAL MUNICIPALITY.
  - ANY DEVIATION TO BE LEFT OPEN OVERHEAD SHALL BE COMPLETELY ENCLOSED IN FENCING, OR WHERE NECESSARY, COVERED WITH STEEL PLATES.
  - DOWN SPILLS, SUMP PUMPS, AND FLOODING DRAINS ARE NOT PERMITTED TO BE CONNECTED TO THE LATERAL.
  - NO CONNECTION SHALL BE MADE UNTIL BUILDING FOOT IS FINISHED AND BASEMENT FLOOR IS POURED.
  - ANY DEVIATION TO BE LEFT OPEN OVERHEAD SHALL BE COMPLETELY ENCLOSED IN FENCING, OR WHERE NECESSARY, COVERED WITH STEEL PLATES.
  - DOWN SPILLS, SUMP PUMPS, AND FLOODING DRAINS ARE NOT PERMITTED TO BE CONNECTED TO THE LATERAL.
  - NO CONNECTION SHALL BE MADE UNTIL BUILDING FOOT IS FINISHED AND BASEMENT FLOOR IS POURED.

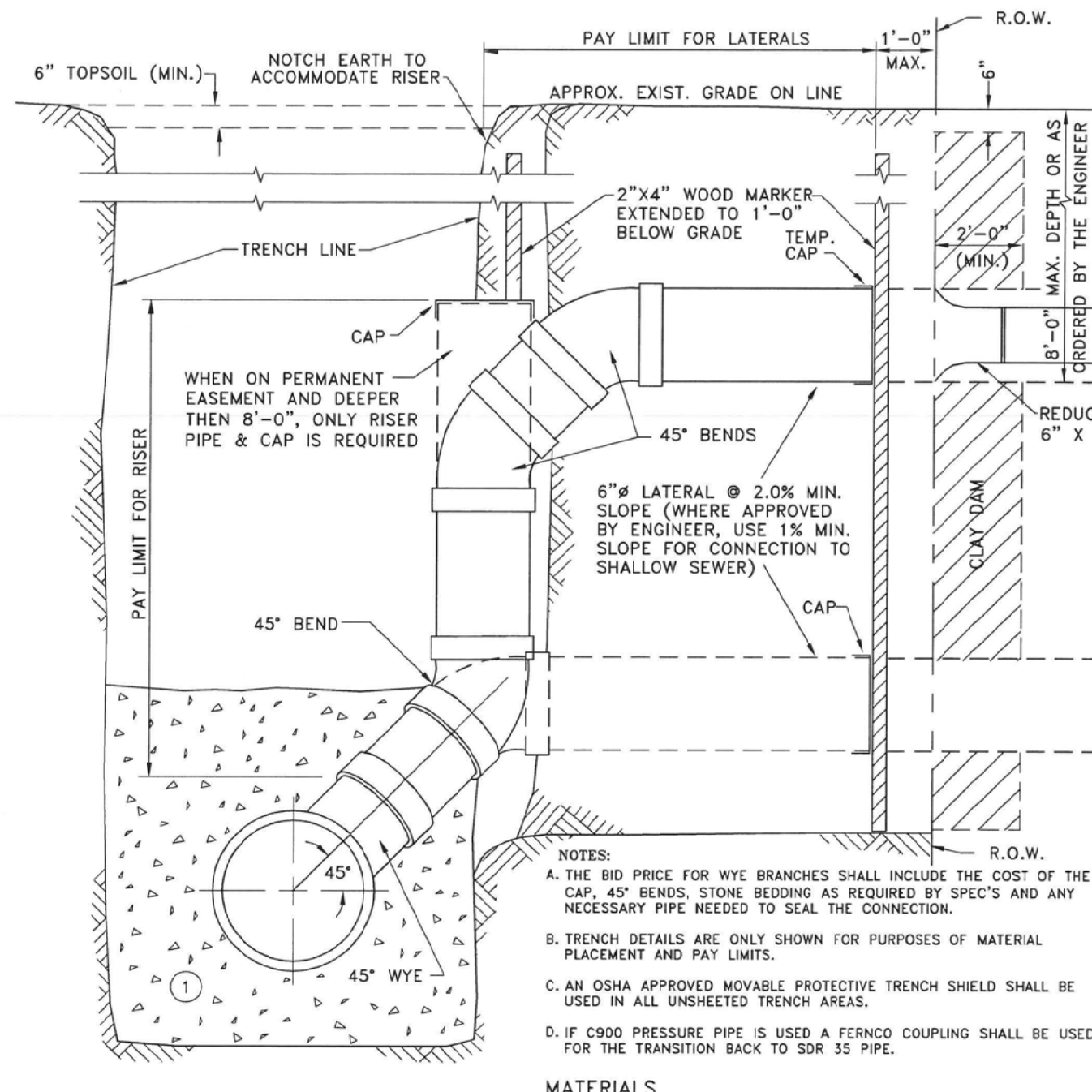
ERIE COUNTY  
DEPT. OF ENVIRONMENT & PLANNING  
DIVISION OF SEWERAGE MANAGEMENT

Rev. 6/05 ADDED NOTE 18 & CLASS S2 TYPE CI PIPE  
Rev. 1/07 REVISED NOTE 7 AND 10  
Rev. 11/08 ADDED SLEEVE AND PVC-SDR 35  
Rev. 1/12 REVISED 6" CAST IRON TRAP NOTE  
Rev. 1/18 ADDED VENT & TRAP

File: d-22 Date: 3/1/91

STD. DETAIL  
**22**

### RISER DETAIL - SDR35 (MAIN LINE LATERAL CONNECTION) (JANUARY 2012)



- NOTES:
- NO. 1 CRUSHED STONE WITH A GRADATION CONFORMING WITH NYS DOT SECTION 703-02. THE CRUSHED STONE SHALL BE WELL GRADED WITH NO PARTICLES LARGER THAN ONE INCH AND HAVING A MAXIMUM GRADATION MEETING THE LIMITS DESCRIBED IN THE SPECIFICATIONS. THE BEDDING SHALL BE COMPACTED IN 6" LIFTS WITH EQUIPMENT ACCEPTABLE TO THE PIPE MANUFACTURER. NO SLAG WILL BE ALLOWED.

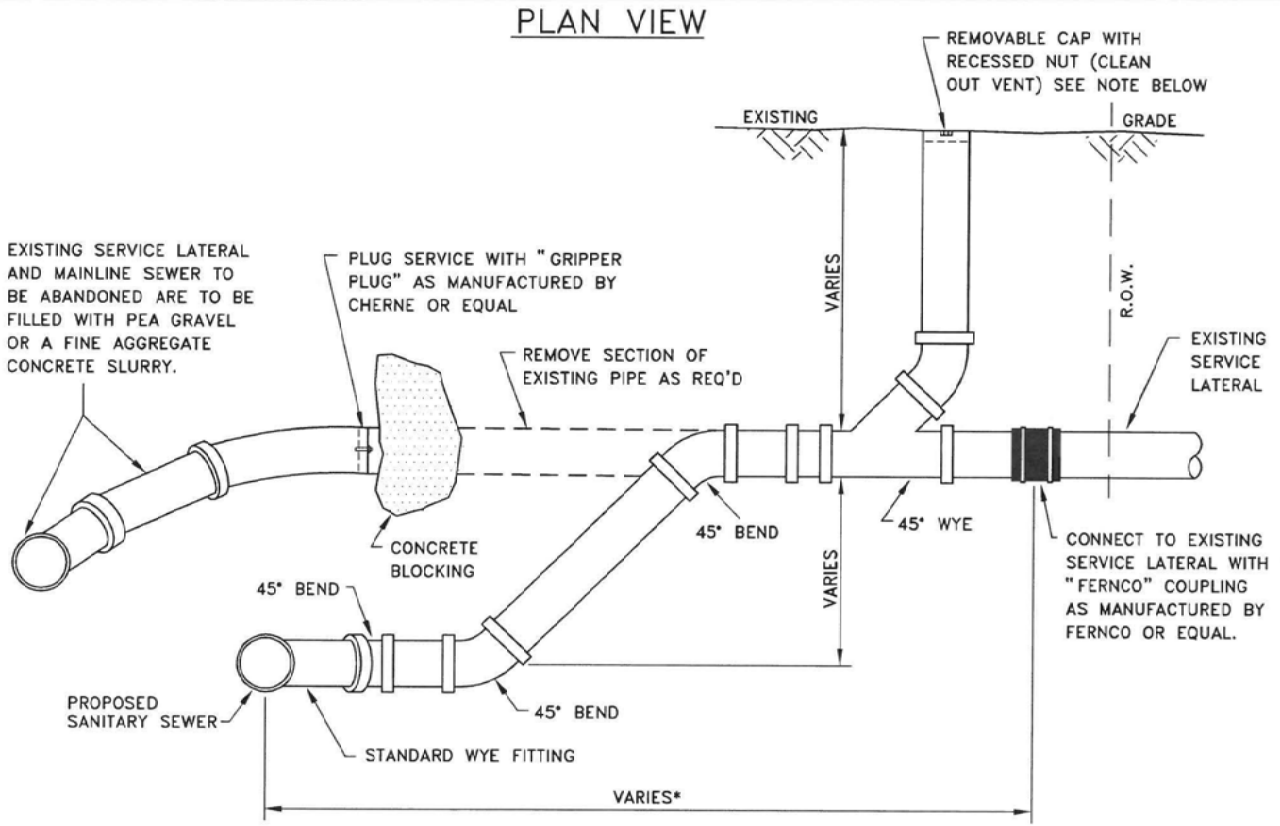
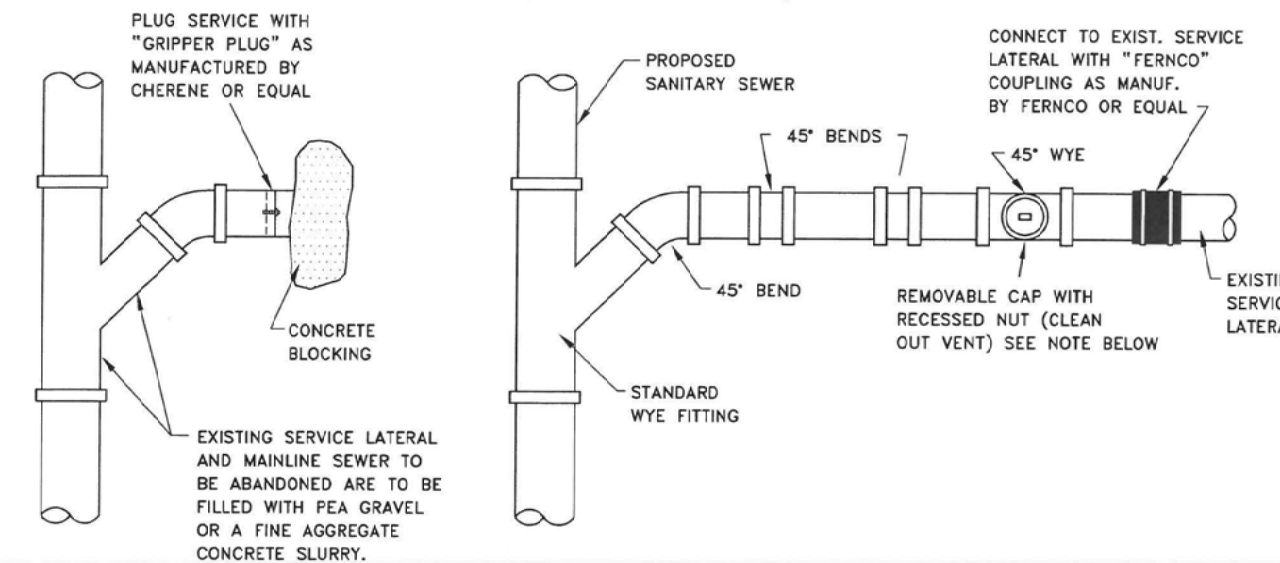
ERIE COUNTY  
DEPT. OF ENVIRONMENT & PLANNING  
DIVISION OF SEWERAGE MANAGEMENT

Rev. 2 1/7/97 ADDED 1/8" BELL & SPIGOT LONG SWEEP BEND  
Rev. 3 12/01 ADDED NOTE D REGARDING LOCATION OF VENTS AND CLEAN OUTS  
Rev. 4 4/02 ADDED LONG SWEEP TO NORMAL 45°/90° ADDED CORRECTED PAY LIMITS

File: d-27 Date: 3/1/91

STD.DETAIL  
**27**

### TYPICAL HOUSE CONNECTION/ABANDONMENT DETAIL (JANUARY 2012)



- NOTES:
- THE CONTRACTOR SHALL CONNECT TO THE FIRST GOOD STRUCTURALLY SOUND SECTION OF PIPE ON THE EXISTING SERVICE LATERAL AS DETERMINED IN THE FIELD DURING CONSTRUCTION.
  - VENTS AND CLEAN OUTS MUST BE INSTALLED IN LAWN AREAS, NOT IN SIDEWALK OR DRIVEWAY AREAS, PREFERABLY BETWEEN THE CURB OR EDGE OF PAVEMENT AND THE SIDEWALK.

ERIE COUNTY  
DEPT. OF ENVIRONMENT & PLANNING  
DIVISION OF SEWERAGE MANAGEMENT

Rev. 1 12/9/06 ADDED \*NOTE, LATERAL CONNECTION  
Rev. 2 ADDED NOTE 2 IN REGARDS TO LOCATION OF VENTS & C.O.

File: d-34 Date: 7/19/91

STD.DETAIL  
**34**

**NUSSBAUMER & CLARKE, INC.**  
EST. 1933  
ENGINEERS AND SURVEYORS

3556 Lake Shore Road, Suite 500 | Buffalo, NY 14219  
(716) 827-8000 | (716) 826-7958 fax  
www.nussdarke.com

REGULATORY REVIEW  
NOT FOR CONSTRUCTION

WEST HERR TOYOTA BODY SHOP  
ADDITION  
8129 MAIN STREET, CLARENCE, NY

**SANITARY SEWER DETAILS**

REVISIONS		
No.	DESCRIPTION	DATE

UNAUTHORIZED ALTERATION OR ADDITION TO THIS ENGINEERING DRAWING IS A VIOLATION OF SECTION 7209, PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

PROJECT NUMBER 18J5-0040  
DATE 11.26.18  
DRAWN BY TJB  
DESIGNED BY TJB  
CHECKED BY RJR  
APPROVED BY BLS

SCALE: AS NOTED

SHEET No. 7 OF 8

**C-106**



**DCDA NOTES FOR THE 6" FIRE SERVICE**

1. DOUBLE CHECK VALVE SHALL BE A 6"Ø DCDA AMES COLT 300BF VU.
2. THE CONTRACTOR SHALL COMPLY IN ALL RESPECTS TO THE INDUSTRIAL CODE PART (RULE No. 23) RELATING TO CONSTRUCTION, EXCAVATION, AND DEMOLITION OPERATIONS AT OR NEAR UNDERGROUND FACILITIES, AS ISSUED BY THE STATE OF NEW YORK DEPARTMENT OF LABOR.
3. WATER SERVICE SHALL BE DISINFECTED IN ACCORDANCE WITH LATEST REVISION OF AWWA SPECIFICATION C 651
4. USE VALVES PROVIDED WITH DCDA ASSEMBLY.
5. PROJECT IS NOT IN A 100 YEAR FLOOD ZONE.
6. THE CONTRACTOR SHALL PREPARE THE EXISTING SUB-GRADE AND BASE MATERIAL AS NECESSARY FOR CONCRETE PAD PLACEMENT. CONCRETE PAD FOR DCDA SHALL BE LEVEL.

MATERIAL SPECIFICATION

PIPE: (BELOW GROUND)

FIRE SERVICE - MECHANICAL JOINT DUCTILE IRON, CEMENT LINED WITH RUBBER GASKETS AND MJ RETAINER GLANDS  
AWWA C-151, CLASS 52.

PIPE: (ABOVE GROUND)

FIRE SERVICE - FLANGED, DUCTILE IRON, CEMENT LINED WITH GASKETS  
AWWA C-115, CLASS 53.

FITTINGS: (BELOW GROUND)

UNLESS NOTED OTHERWISE

MECHANICAL JOINT, DUCTILE IRON CEMENT LINED WITH RUBBER

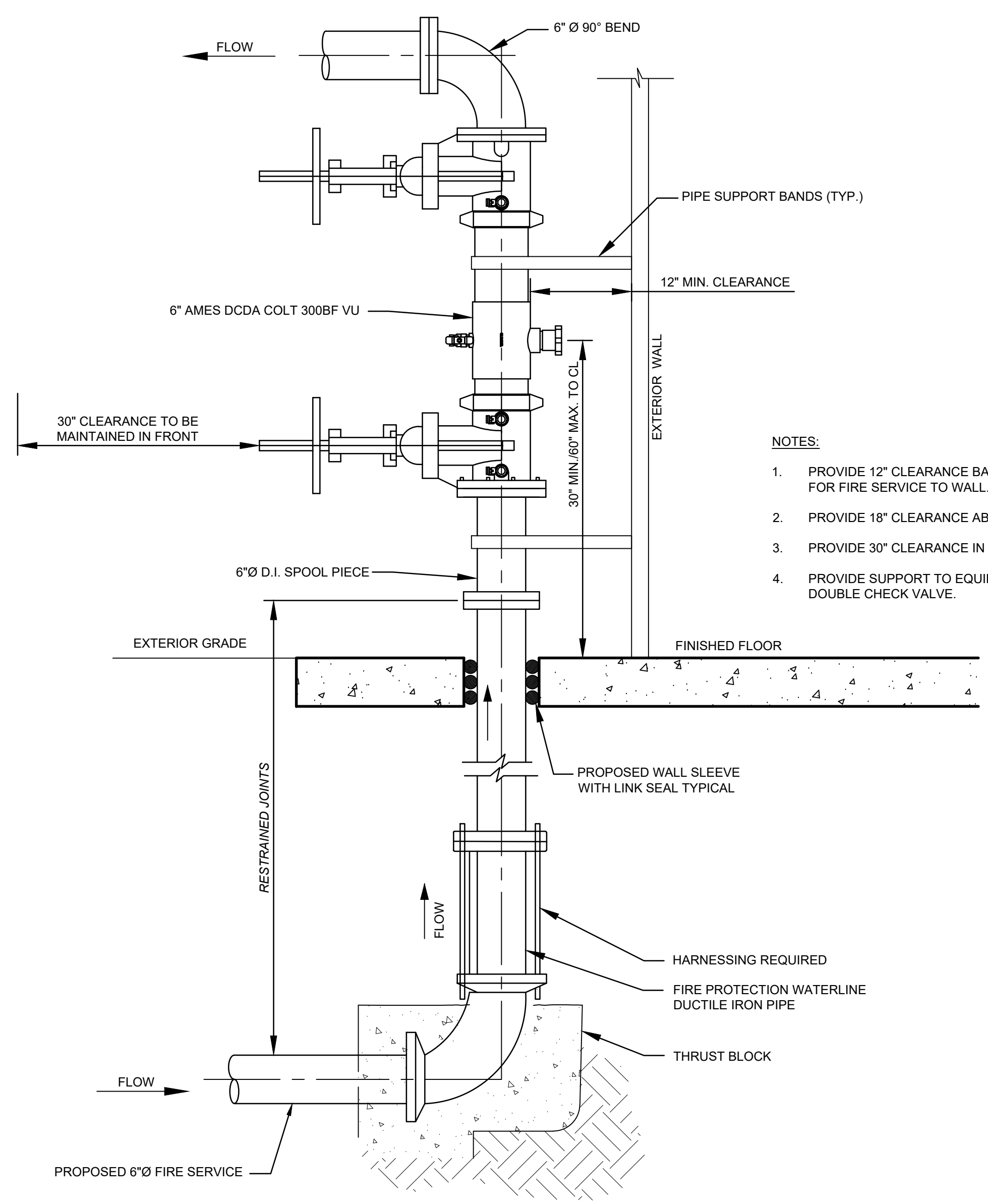
GASKETS AND MECHANICAL JOINT RETAINER GLANDS  
AWWA C-153, COMPACT

FITTINGS: (ABOVE GROUND UNLESS NOTED OTHERWISE)

FIRE SERVICE - STANDARD 125# FLANGED, DUCTILE IRON, CEMENT LINED WITH GASKETS,  
AWWA C-110.

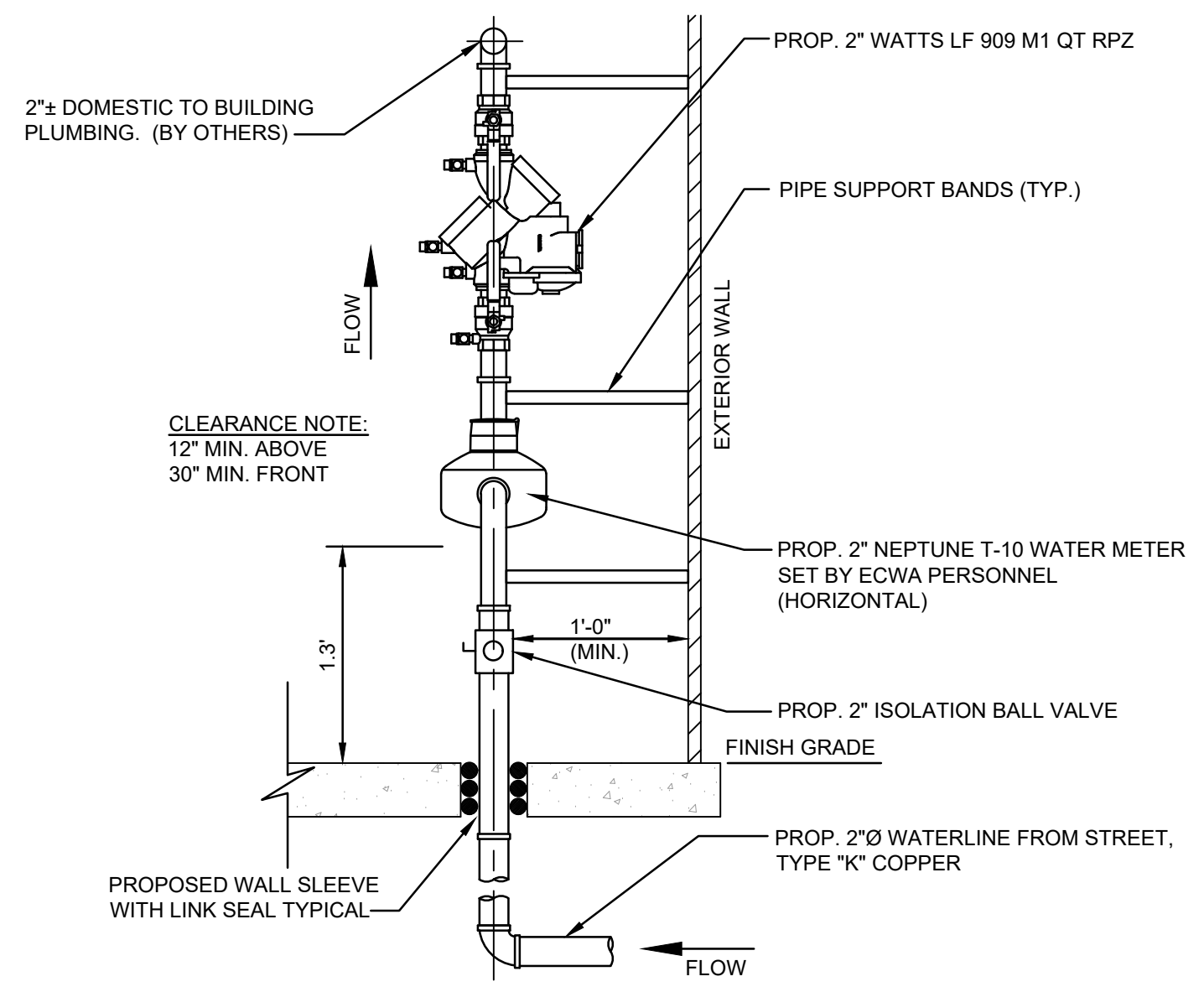
**NOTES:**

1. 10' HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN ANY PROPOSED SANITARY SERVICE LATERAL AND PROPOSED WATER SERVICE INSTALLATION AS WELL AS 18" VERTICAL SEPARATION BETWEEN SANITARY SERVICE LATERAL AND WATER SERVICE.
2. THE CONTRACTOR IS ADVISED TO USE A TRENCH SHIELD AND/OR SHORING DESIGNED IN ACCORDANCE WITH OSHA STANDARDS SHALL BE USED IN ALL OPEN TRENCH EXCAVATIONS.
3. ANY CONTRACTOR AND/OR PLUMBER PERFORMING WORK IN A CONFINED SPACE (I.E. MANHOLES, WET WELLS, CHAMBERS) OWNED BY AN ERIE COUNTY SEWER DISTRICT (ECSD #5), MUST CERTIFY TO THE COUNTY THAT THEY HAVE THEIR OWN CONFINED SPACE ENTRY PROGRAM THAT MEETS OR EXCEEDS OSHA'S REGULATIONS. CERTIFICATION MUST BE NOTARIZED BY A NOTARY PUBLIC.
4. UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE THIS INFORMATION VERIFIED AND LOCATED PRIOR TO CONSTRUCTION.
5. ALL EXISTING UTILITY LINES AND SERVICES LATERALS CROSSING THE NEW WORK SHALL BE PROTECTED.
6. A DEDICATED FIRE SPRINKLER SYSTEM TO BE DESIGNED AND BUILT BY SPRINKLER CONTRACTOR AND LOCATED IN THE INTERIOR OF BUILDINGS. WATER MAIN SHOWN ALONG AUTO PLACE IS APPROXIMATE AND SHALL BE FIELD VERIFIED. FIRE SERVICE SIZE TO BE COORDINATED WITH SPRINKLER SYSTEM CONTRACTOR. SPRINKLER SYSTEM CONTRACTOR SHALL VERIFY ADEQUATE PRESSURE AND FLOW FROM THE EXISTING WATER MAIN.
7. BEFORE YOU DIG, DRILL OR BLAST IN WESTERN NEW YORK, CALL DIG SAFELY NEW YORK 1-800-962-7962.



- NOTES:**
1. PROVIDE 12" CLEARANCE BACK OF DOUBLE CHECK VALVE FOR FIRE SERVICE TO WALL.
  2. PROVIDE 18" CLEARANCE ABOVE DOUBLE CHECK VALVE.
  3. PROVIDE 30" CLEARANCE IN FRONT OF DOUBLE CHECK VALVE.
  4. PROVIDE SUPPORT TO EQUIPMENT FROM WALL AS REQUIRED FOR DOUBLE CHECK VALVE.

**1 6" FIRE SERVICE RPDA ELEVATION (BY OTHERS)**  
SCALE: NOT TO SCALE



**CLEARANCE NOTE:**  
12" MIN. ABOVE  
30" MIN. FRONT

**2 2" DOMESTIC RPZ ELEVATION (BY OTHERS)**  
SCALE: NOT TO SCALE



**REGULATORY REVIEW  
NOT FOR CONSTRUCTION**

**WEST HERR TOYOTA BODY SHOP  
ADDITION  
8129 MAIN STREET, CLARENCE, NY  
RPZ AND RPDA DETAILS**

REVISIONS		
No.	DESCRIPTION	DATE

**NUSBAUMER & CLARKE, INC.**  
A CORPORATION REGISTERED TO  
PRACTICE PROFESSIONAL ENGINEERING  
& LAND SURVEYING IN THE  
STATE OF NEW YORK

UNAUTHORIZED ALTERATION OR ADDITION TO THIS  
ENGINEERING DRAWING IS A VIOLATION OF  
SECTION 7209, PROVISION 2 OF THE NEW YORK STATE  
EDUCATION LAW.

PROJECT NUMBER	18J5-0040
DATE	11.26.18
DRAWN BY	TJB
DESIGNED BY	TJB
CHECKED BY	RJP
APPROVED BY	BLS
SCALE:	AS NOTED
= 1 INCH	
SHEET No.	8 OF 8

**GENERAL STRUCTURAL NOTES:**

- 1. DESIGN AND CONSTRUCTION SHALL CONFORM TO THE IBC 2015 WITH NEW YORK STATE SUPPLEMENT.
2. THE DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE AS A COMPLETE UNIT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEANS, METHODS, AND SEQUENCES OF ALL PHASES OF CONSTRUCTION AND DEMOLITION INCLUDING TEMPORARY SHORING, BRACING, COLD AND HOT-WEATHER PROTECTION, AND FOUNDATION UNDERPINNING. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES AND STANDARDS THAT PERTAIN TO MEANS, METHODS, AND SEQUENCES OF CONSTRUCTION.
3. THE STRUCTURAL DRAWINGS ARE TO BE USED IN CONJUNCTION AND COORDINATED WITH ALL OTHER CONTRACT DRAWINGS AND SPECIFICATIONS. THE CONTRACTOR SHALL COORDINATE SUCH REQUIREMENTS INTO THEIR WORK.
4. DETAILS NOT SPECIFICALLY SHOWN SHALL BE SIMILAR TO THOSE SHOWN FOR THE MOST NEARLY SIMILAR CONDITION AS DETERMINED BY THE ARCHITECT OR ENGINEER.
5. CONTRACTOR TO COORDINATE ALL OPENINGS, EQUIPMENT LOCATIONS, AND INSERTS SHOWN ON THE STRUCTURAL DRAWINGS WITH THE TRADES THAT REQUIRE THEM. PENETRATIONS THROUGH STRUCTURAL MEMBERS ARE NOT PERMITTED EXCEPT AS DETAILED.
6. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN THE FIELD AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES, ALL DIMENSIONS TO THE EXISTING STRUCTURE AND ALL STRUCTURAL SIZES AND DEPICTIONS ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
7. WHERE DEMOLITION OR OTHER MODIFICATIONS TO THE EXISTING STRUCTURE ARE REQUIRED, THE CUTTING, DRILLING, AND REMOVALS SHALL OCCUR IN A MANNER WHICH WILL PREVENT DAMAGE TO ADJOINING CONSTRUCTION WHICH IS TO REMAIN, UNLESS OTHERWISE INDICATED. PROVIDE NEW MATERIALS TO MATCH THE APPEARANCE AND PERFORMANCE OF EXISTING CORRESPONDING MATERIALS WHERE DEMOLITION OCCURS.
8. STRUCTURAL MEMBERS MARKED (EX) ARE EXISTING AND ARE TO BE VERIFIED IN THE FIELD.
9. SHOP DRAWINGS PREPARED BY SUPPLIERS AND SUBCONTRACTORS SHALL BE REVIEWED AND SIGNED AND STAMPED BY THE CONTRACTOR PRIOR TO SUBMISSION TO THE ARCHITECT AND ENGINEER. REPRODUCTIONS OF THE STRUCTURAL DRAWINGS SHALL NOT BE USED FOR THE PREPARATION OF SHOP DRAWINGS. MANUFACTURED COMPONENTS SHALL BE SIGNED AND STAMPED BY A LICENSED PROFESSIONAL ENGINEER PRIOR TO SUBMISSION.
10. ALL SHOP DRAWINGS SHALL INCORPORATE ACTUAL EXISTING CONDITIONS WHERE THE NEW CONSTRUCTION ADJAINS THE EXISTING STRUCTURE. THE EXISTING STRUCTURE IS TO BE EXPOSED AS NEEDED TO VERIFY THAT THE EXISTING STRUCTURE MATCHES THE DESIGN INTENT. THE ARCHITECT IS TO BE NOTIFIED WHEN THE EXISTING CONDITIONS DO NOT MATCH THE DESIGN INTENT OR WHEN THE EXISTING CONDITIONS NECESSITATE A CHANGE TO THE DESIGN.

**FOUNDATIONS:**

- 1. SOIL BEARING SURFACES SHALL BE DRY AND FREE FROM FROST OR LOOSE MATERIAL. EXISTING SOIL TO BE REMOVED AND REPLACED AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER. ALL SOIL BEARING SURFACES AND BACKFILL SHALL BE INSPECTED AND APPROVED BY THE GEOTECHNICAL ENGINEER OR OTHER APPROVED TESTING AGENT.
2. CONTRACTOR SHALL VERIFY AND LOCATE ALL EXISTING BELOW GRADE UTILITIES PRIOR TO CONSTRUCTION.
3. CONTRACTOR TO PROVIDE TEMPORARY PROTECTION AS REQUIRED FOR FOUNDATIONS EXPOSED TO WATER OR FREEZING.
4. ALL FILL PLACED UNDER AND AROUND FOOTINGS, SLABS, AND FOUNDATION WALLS SHALL BE GRANULAR MATERIAL SIMILAR TO NYSDOT ITEM 304.12 TYPE 2 SUBBASE OR AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER. EACH LIFT SHALL BE COMPACTED TO AT LEAST 95% OF MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED PROCTOR METHOD. THE DEPTH AND EXTENT OF FILL PLACEMENT SHALL BE AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.
5. ALL PIPING SLEEVES THROUGH FOUNDATION WALLS AND FOOTING STEPS TO ACCOMMODATE PIPING SHALL BE COORDINATED WITH THE PLUMBING CONTRACTOR/DRAWINGS.
6. BOTTOM OF ALL FOOTINGS SHALL BE A MINIMUM OF 4'-0" BELOW GRADE EXCEPT WHERE FIELD CONDITIONS REQUIRE AN ADJUSTMENT.
7. REFERENCE ARCHITECTURAL AND PLUMBING PLANS FOR SLOPED FLOOR SLABS. ALL SLABS TO MAINTAIN FULL THICKNESS.
8. BACKFILLING OF FOUNDATION WALLS IS NOT BEGIN UNLESS WALLS ARE ADEQUATELY BRACED OR FILLING IS BALANCED.
9. JOINTS IN CONCRETE FOUNDATION WALLS SHALL BE LOCATED SO THAT NO SINGLE POUR IS LONGER THAN 40 FEET. A JOINT SHALL BE LOCATED WITHIN 3'-0" FROM ANY CORNER.
10. PROVIDE CONTROL JOINT FOR ALL SLABS-ON-GRADE AT COLUMN CENTERLINES AND AT A MAXIMUM OF 12'-0" O.C., UNLESS SHOWN OTHERWISE ON PLANS.

**CONCRETE:**

- 1. CONCRETE DESIGN AND CONSTRUCTION SHALL CONFORM TO ACI 318 AND ACI 301.
2. MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE:
2.1. FOOTINGS 3,000psi, MAX. W/C RATIO = 0.49
2.2. PIERS, FND. WALLS 3,000psi, MAX. W/C RATIO = 0.49
2.3. SLAB ON GRADE 3,000psi, MAX. W/C RATIO = 0.50
2.4. ELEVATED SLABS 3,500psi, MAX. W/C RATIO = 0.50
3. LEVELING GROUT SHALL BE NON-SHRINK CONFORMING TO ASTM C1107 WITH A MINIMUM 2-DAY STRENGTH OF 5,000psi.
4. ALL CONCRETE EXPOSED TO EARTH OR WEATHER SHALL HAVE ENTRAINED AIR AS FOLLOWS:
MAXIMUM AGGREGATE SIZE AIR CONTENT
2 in. 4% TO 6.5%
1.5 in. 4% TO 7%
1 in. 4.5% TO 7%
0.75 in. 4.5% TO 7%
5. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A186, AND SHALL BE SUPPLIED IN SHEETS ONLY. THE WELDING OF REINFORCING BARS SHALL CONFORM TO ASTM A706 AND AWS D1.4.
6. THE CONTRACTOR SHALL FABRICATE ALL REINFORCEMENT AND FURNISH ALL ACCESSORIES, CHAIRS, SPACER BARS AND SUPPORTS NECESSARY TO SECURE THE REINFORCEMENT PRIOR TO POURING CONCRETE.
7. CLEAR COVER TO REINFORCING SHALL BE AS FOLLOWS UNLESS SHOWN OTHERWISE
7.1. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH - 3"
7.2. FORMED CONCRETE EXPOSED TO EARTH OR WEATHER:
#6 AND LARGER - 2"
#5 AND SMALLER - 1 1/2"
7.3. CONCRETE NOT EXPOSED TO EARTH OR WEATHER:
SLABS, WALLS - 3/4"
ALL OTHER 1 - 1/2"
8. LAP SPLICES SHALL CONFORM TO THE REQUIREMENTS OF ACI 318 FOR CLASS "B" TENSION LAP SPLICES, UNLESS OTHERWISE.
9. HOOKS AND BENDS IN REINFORCING BARS SHALL CONFORM TO ACI 318 UNLESS SHOWN OTHERWISE ON THE DRAWINGS.
10. UNLESS SHOWN OTHERWISE, DOMELS INTO FOUNDATION ELEMENTS SHALL HAVE A STANDARD 90 DEGREE HOOK AND SHALL BE THE SAME SIZE AND QUANTITY PROVIDED IN PIERS AND WALLS ABOVE THE FOUNDATION.
11. PROVIDE A #4x4-0" Lg. REBAR IN CONCRETE SLABS ACROSS ALL REENTRANT CORNERS OF RECTANGULAR SLAB OPENINGS AND AROUND THE PERIMETER OF ROUND SLAB OPENINGS.
12. PROVIDE CORNER BARS TO MATCH HORIZONTAL REINFORCING IN ALL WALLS AND FOOTINGS.
13. CONCRETE TESTING SHALL BE AS FOLLOWS:
13.1. OBTAIN ONE COMPOSITE SAMPLE FOR EACH DAY'S POUR OF EACH CONCRETE MIX EXCEEDING 5 CU. YD., BUT LESS THAN 25 CU. YD. PLUS ONE SET FOR EACH ADDITIONAL 50 CU. YD. OR FRACTION THEREOF (ASTM C172).
13.2. OBTAIN: SLUMP (ASTM C143), AIR CONTENT (ASTM C231), TEMPERATURE (ASTM C1064), UNIT WEIGHT (ASTM C667), COMPRESSION TEST SPECIMENS (ASTM C31) FOR EACH COMPOSITE SAMPLE.
13.3. CAST AND FIELD CURE ONE SET OF FOUR STANDARD CYLINDER SPECIMENS FOR EACH COMPOSITE SAMPLE. TEST (1) AT 7 DAYS, (2) AT 28 DAYS AND (1) AT 56 DAYS.
14. SUBMIT SHOP DRAWINGS FOR REINFORCING STEEL AND CONCRETE MIX DESIGNS TO THE ARCHITECT FOR REVIEW BEFORE CONSTRUCTION.

**STRUCTURAL STEEL:**

- 1. STRUCTURAL STEEL SHALL CONFORM TO THE LATEST EDITION OF THE AISC CODE OF STANDARD PRACTICE.
2. STRUCTURAL STEEL GRADES (UNLESS NOTED OTHERWISE):
A) STRUCTURAL STEEL (W-): ASTM A992, Fy=50ksi
B) STRUCTURAL STEEL (L-, C- PLATES): ASTM A36, fy = 36ksi
C) STRUCTURAL TUBING: ASTM A500, fy=48ksi
D) STRUCTURAL STEEL PIPE: ASTM A53 GRADE B, Fy=35ksi
E) BOLTS: ASTM A325, PRETENSION (SC WHERE INDICATED)
F) ANCHOR RODS: F1554 GRADE 55
G) WELDS: E70xx
H) GALVANIZING,
i) STRUCTURAL STEEL: ASTM A123
ii) BOLTS, FASTENERS, HARDWARE, ASTM A53
J) ADHESIVE ANCHORS (BASIS OF DESIGN):
i) HILTI HY160
ii) POWERS ACT10 PLUS
3. WELDS NOT INDICATED FOR STEEL-TO-STEEL CONNECTIONS SHALL BE AN ALL AROUND FILLET WELD WITH A MINIMUM THROAT THICKNESS PER AISC AND AWS STANDARDS.
4. ALL STRUCTURAL STEEL SHALL BE COATED AS INDICATED BELOW. APPLY COATINGS IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, INCLUDING SURFACE PREPARATIONS AND COMPATIBILITY REQUIREMENTS BETWEEN ALL COATINGS. AFTER ERECTION TOUCH UP ALL AREAS WHERE PAINT OR GALVANIZING IS MISSING OR DAMAGED INCLUDING FIELD WELDS. COLOR SHALL BE AS DETERMINED BY THE OWNER OR ARCHITECT.
(A) EXTERIOR EXPOSED STEEL AND LINTELS WITHIN EXTERIOR WALLS TO BE HOT-DIPPED GALVANIZED.
(B) ALL OTHER STRUCTURAL STEEL SHALL BE SHOP PAINTED WITH A RUST INHIBITIVE PRIMER. STEEL TO RECEIVE FIREPROOFING TO BE UNPRIMED.
5. BEAM CONNECTIONS SHALL BE DESIGNED FOR THE LARGEST OF THE FOLLOWING: END REACTIONS COMPUTED FROM THE TABLE "UNIFORM LOAD CONSTANTS" IN THE AISC MANUAL. THE REACTIONS SHOWN ON THE PLANS, OR A SERVICE LOAD OF 10k.
6. ALL OTHER CONNECTIONS SHALL BE DESIGNED TO TRANSFER THE FULL DESIGN STRENGTH OF THE MEMBERS IN QUESTION, UNLESS SPECIFICALLY DETAILED OTHERWISE.
7. ALL CONNECTIONS AND DETAILS NOT SPECIFICALLY INDICATED ON THE DRAWINGS ARE SUBJECT TO REVIEW AND APPROVAL BY THE ARCHITECT AND ENGINEER.
8. SUBMIT SHOP DRAWINGS FOR STRUCTURAL STEEL FOR REVIEW PRIOR TO CONSTRUCTION.

**STEEL DECK:**

- 1. STEEL DECK CONSTRUCTION SHALL CONFORM TO THE LATEST MANUAL OF CONSTRUCTION AND CODE OF STANDARD PRACTICE FOR STEEL DECK, PUBLISHED BY THE STEEL DECK INSTITUTE.
2. STEEL DECK SHALL BE CONTINUOUS OVER 3 OR MORE SPANS UNLESS NOTED OTHERWISE.
3. PERMANENT STEEL FORM DECK FASTENING SHALL CONFORM TO THE SDI RECOMMENDATIONS FOR FASTENING TO SUPPORTING MEMBERS. PERMANENT STEEL FORM DECK SHALL HAVE A GALVANIZED FINISH.
4. THE CONTRACTOR SHALL VERIFY THE SIZE AND LOCATION OF ALL DECK OPENINGS REQUIRED FOR PENETRATIONS AND SHALL PROVIDE SUMP PANS OR ADDITIONAL FRAMING AS REQUIRED. HOLES SHALL BE CUT NEATLY WITH A MAXIMUM SIZE OF PIPE OR DUCT DIMENSION PLUS 1". A STEEL FRAMING ASSEMBLY IS REQUIRED AT ALL OPENINGS EXCEEDING 6".
5. STEEL FLOOR DECK SHALL BE GALVANIZED (G60). ROOF DECK GALVANIZED (G90).
6. PROVIDE METAL CLOSURE STRIPS FOR CELL RACEWAYS AND OPENINGS BETWEEN DECKING AND OTHER CONSTRUCTION OF NOT LESS THAN 16GA. SHEET STEEL AT OPEN ENDS AND SIDES OF DECKING.
7. SUBMIT SHOP DRAWINGS FOR STEEL DECK FOR REVIEW PRIOR TO CONSTRUCTION.

**DESIGN LOADS:**

- 1. LIVE LOAD:
GROUND FLOOR = 100 PSF, CONCENTRATED LOAD FOR GARAGE
2. SNOW LOADS:
Pg = 50psf
Pf = 35psf
I = 1.0
3. WIND LOADS:
Vult = 115mph
Iw = 1.0
EXPOSURE = B

**SEISMIC**

SEISMIC USE GROUP "II" - SEISMIC DESIGN CATEGORY "A"
SDS = 0.142g
SD1 = 0.041g
SITE CLASS "B"

BASIC SEISMIC FORCE RESISTING SYSTEM = MOMENT FRAMES
R=3.0
ORDINARY REINFORCED MASONRY SHEAR WALLS R=2.0
DESIGN BASE SHEAR = 25k
ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE PROCEDURE
Ie = 1.00

**SPECIAL INSPECTIONS:**

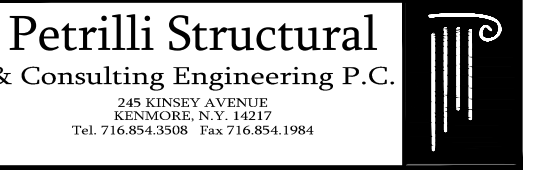
- 1. SPECIAL INSPECTIONS SHALL CONFORM TO THE LATEST CODE
2. SPECIAL INSPECTIONS AND TESTING REQUIREMENTS INDICATED IN THIS SECTION ARE THE OWNER'S RESPONSIBILITY. OWNER WILL ENGAGE QUALIFIED SPECIAL INSPECTORS AND TESTING AGENCIES TO PERFORM THESE SERVICES.

**MASONRY:**

- 1. CONCRETE MASONRY DESIGN AND CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF ACI 530.
2. CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C-90, TYPE I, GRADE N, MOISTURE CONTROLLED UNITS WITH Fm = 2,000psi.
3. PROVIDE (1) NO. 5 BAR ON EACH SIDE OF OPENINGS IN FULLY GROUTED CELLS
4. MORTAR SHALL BE TYPE M OR S AND SHALL CONFORM TO ASTM C270.
5. HORIZONTAL JOINT REINFORCING: 9ga, ASTM A82, GALVANIZED LADDER-TYPE SHALL BE PROVIDED AT 16" O.C. UNLESS NOTED OTHERWISE.
6. CONCRETE MASONRY WALLS SHALL HAVE CONTROL JOINTS SPACED NO FURTHER THAN 25'-0" APART IN CONTINUOUS EXTERIOR AND INTERIOR WALLS.
7. GROUT FOR FILLING BLOCK CORES SHALL CONFORM TO ASTM C476 WITH A MINIMUM COMPRESSIVE STRENGTH OF 2,000psi AT 28 DAYS. GROUT SHALL BE PLACED IN LIFTS NOT EXCEEDING 7 COURSES IN HEIGHT UNLESS OTHERWISE APPROVED BY THE ENGINEER.
8. FULL HEAD AND BED JOINTS SHALL BE PROVIDED.
9. COORDINATE LOCATION OF ALL MASONRY WALLS, PARTITIONS AND OPENINGS WITH ARCHITECTURAL DRAWINGS.
10. LAP SPLICES IN VERTICAL REINFORCING FOR CONCRETE BLOCK MASONRY WALLS AND PILASTERS SHALL BE A MINIMUM OF 48 BAR DIAMETERS UNLESS DETAILED OTHERWISE ON THE DRAWINGS.
11. ALL LINTELS AT MASONRY OPENINGS SHALL HAVE 4" MIN. OR 1" FOR EACH FOOT OF SPAN OF BEARING AT EACH END. ALL EXTERIOR LINTELS SHALL BE HOT DIPPED GALVANIZED.
12. REFERENCE ARCHITECTURAL DRAWINGS AND PROJECT SPECIFICATIONS FOR CONTROL JOINT LOCATION REQUIREMENTS. ALL BOND BEAM REINFORCEMENT TO BE CONTINUOUS AT CONTROL JOINT LOCATIONS. SCORE BOND BEAM SHELL 3/8" EACH SIDE AT CONTROL JOINTS.
13. MASONRY COURSING INDICATED ON THE STRUCTURAL DRAWINGS IS APPROXIMATE. REFER TO ARCHITECTURAL DRAWINGS FOR ACTUAL COURSING LAYOUT.
14. REINFORCING STEEL SHALL BE IN PLACE AND SECURE PRIOR TO PLACING GROUT.
15. ALL MASONRY CELLS BELOW GRADE SHALL BE GROUTED SOLID.
16. SUBMIT SHOP DRAWINGS FOR REINFORCING STEEL, GROUT AND MORTAR MIX DESIGNS, AND CMU PRODUCT DATA TO THE ARCHITECT FOR REVIEW BEFORE CONSTRUCTION.

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West Herr Toyota Body Shop Addition

8129 Main Street, Clarence, NY

ISSUE: 2018-11-26 ISSUED FOR BID

SA PROJECT TEAM: PRINCIPAL P. Silvestri, PROJ. ARCH. DRAFTER, JOB CAPT. INTERIORS

SEAL:

TITLE: GENERAL NOTES



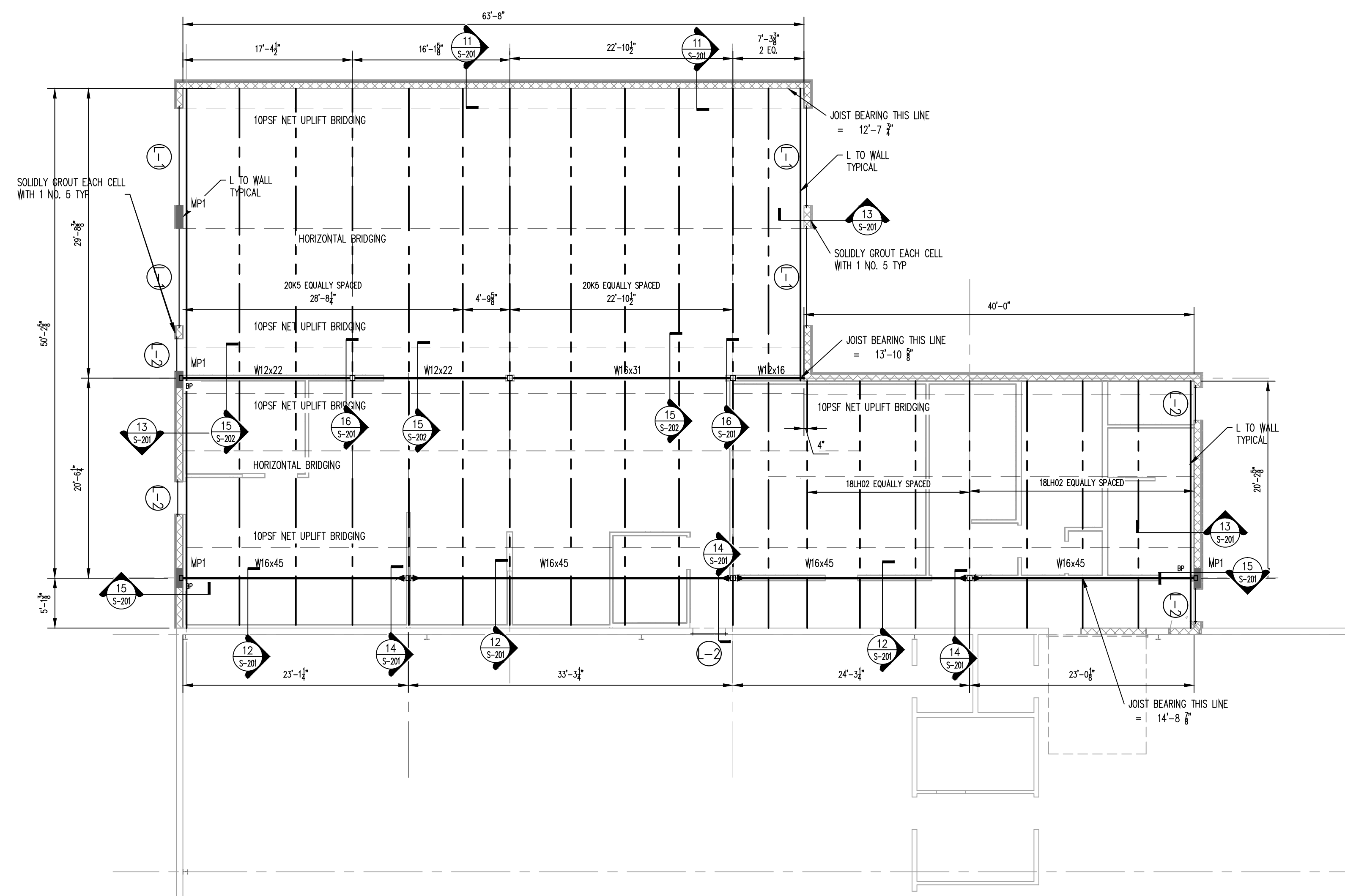
SILVESTRI ARCHITECTS • PC

1321 MILLERSPORT HWY PH. 716.691.0900 AMHERST, NY 14221 FAX 716.691.4773

SA JOB #: 08029.10 DATE: 11-26-18

DRAWING #: S-100





**1** ROOF FRAMING PLAN  
SCALE: 1/8" = 1'-0"

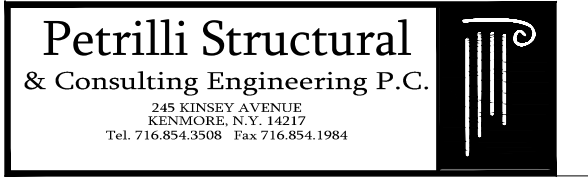
**PLAN NOTES**

- 1) ALL ROOF PENETRATIONS >12" AND ROOF DRAINS PROVIDE 1.5x3x3/8" ANGLE FRAMES TYPICAL.
- 2) ROOF CONSTRUCTION: 1 3/4" 22GA. METAL DECK G90 TYPE B, THREE SPAN CONTINUOUS.
- 3) BOTTOM OF DECK = SEE PLAN
- 4) TOP OF STEEL EL. AT BOTTOM OF METAL DECK ALL BEAM SUPPORTING JOISTS ARE -2 1/2"
- 5) INDICATES FULL BEAM TO COLUMN MOMENT CONNECTION. REFER TO DETAIL.
- 6) MP1 - MASONRY FLUSH PIER x 24" LONG WITH NO. 6 BAR EACH CELL IN FULLY GROUTED CELLS.

Masonry Lintel Schedule				
MARK	M.O.	LENGTH	LINTEL	COMMENTS
L1	10'-0"	11'-4"	W6x18 W/ CONT. 3/8" x 7 1/4" PL.	STITCH WELDED
L2	3'-4"	4'-0"	JL 3 1/2"x3 1/2"x5/16"	STITCH WELDED

**LINTEL NOTES:**  
 1.) ALL EXTERIOR LINTELS HOT DIP GALVANIZED (G-90) TYPICAL  
 2.) WF LINTELS SUPPORTING MASONRY SHALL HAVE #4 REBAR x24" LONG AT 32" O.C. WELDED TO THE TOP FLANGE.

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 PROJ. ARCH. \_\_\_\_\_ DRAFTER \_\_\_\_\_  
 JOB CAPT. \_\_\_\_\_ INTERIORS \_\_\_\_\_

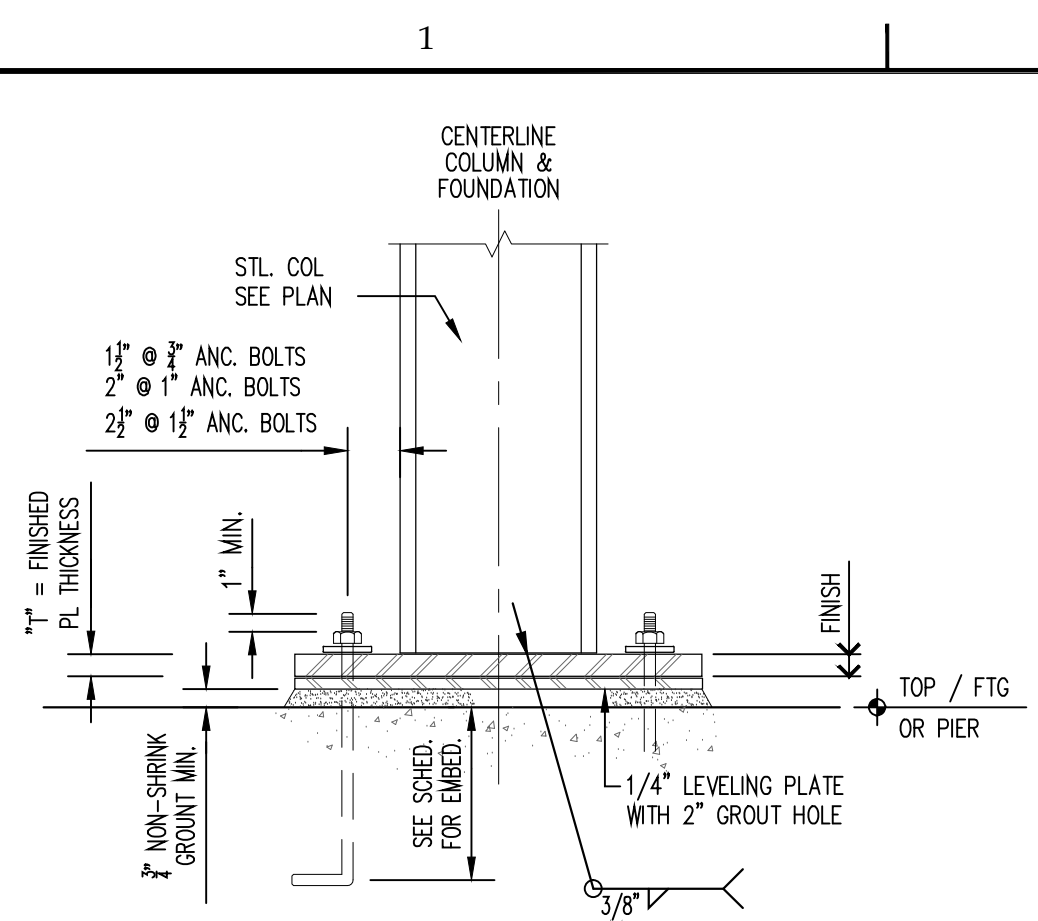
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TITLE:  
**ROOF FRAMING PLAN**

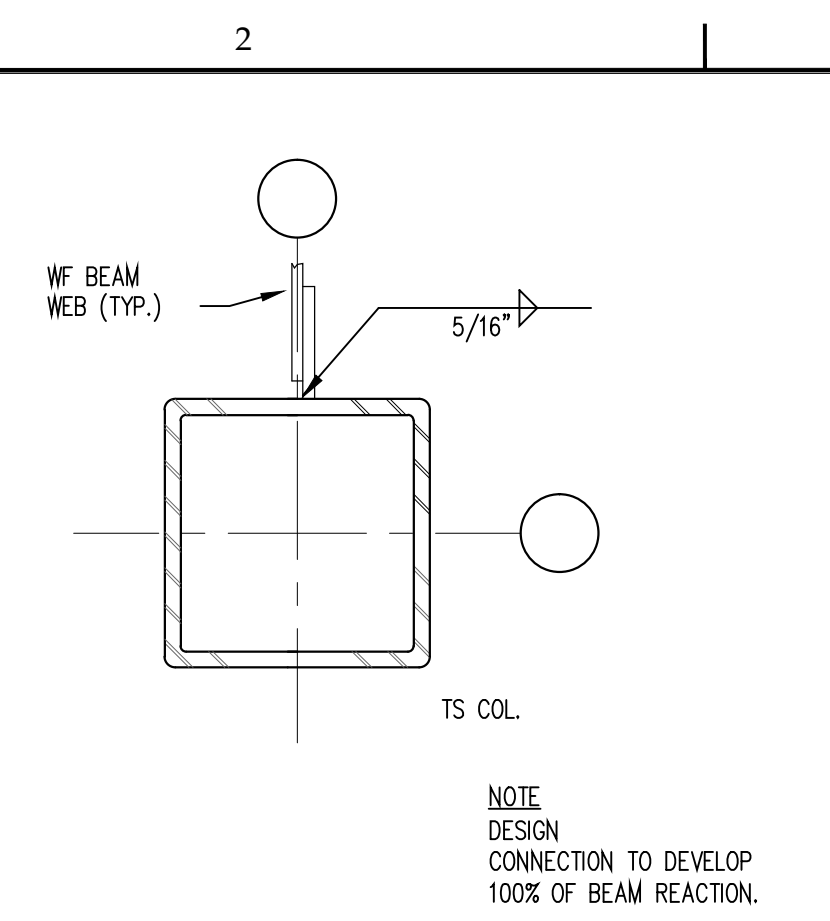


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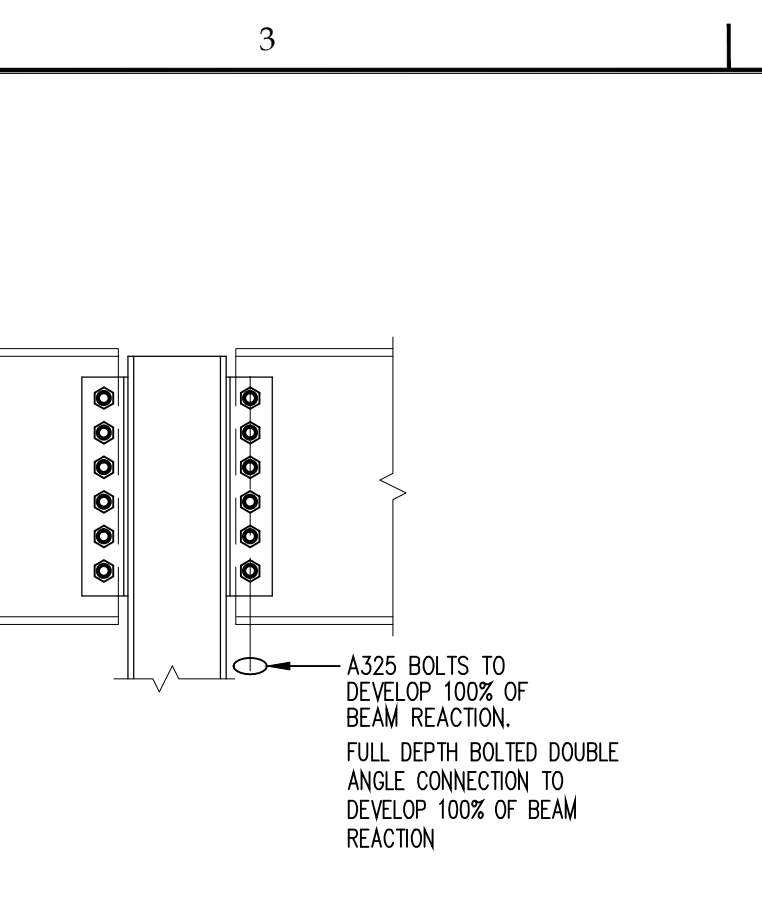
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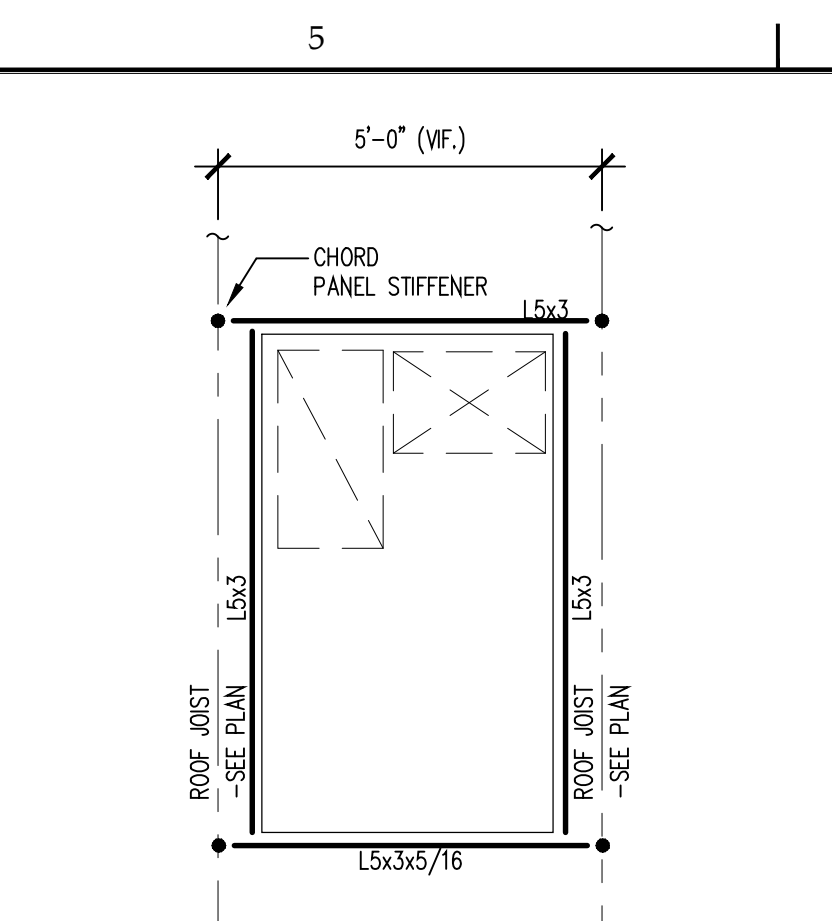
**1** TYP. STEEL COLUMN BASE  
SCALE: NONE



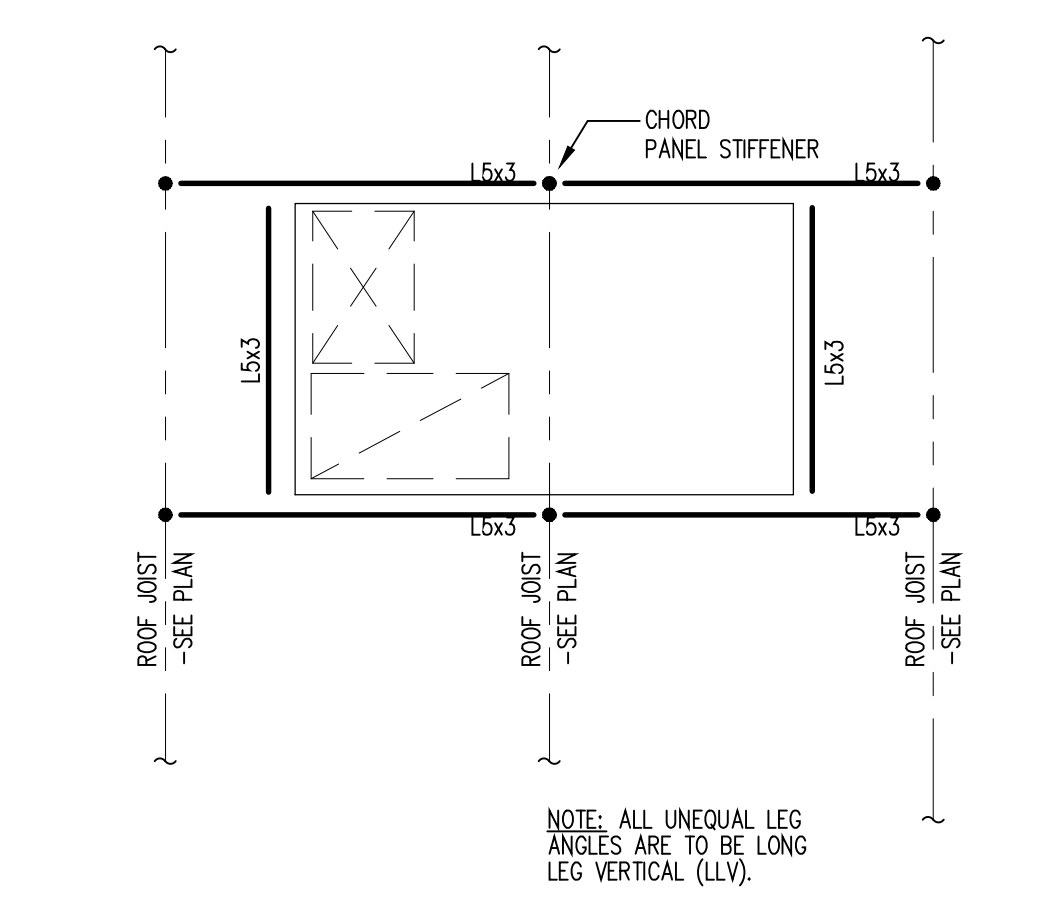
**2** TYPICAL BEAM TO TUBE COLUMN CONNECTION DETAIL  
SCALE: NONE



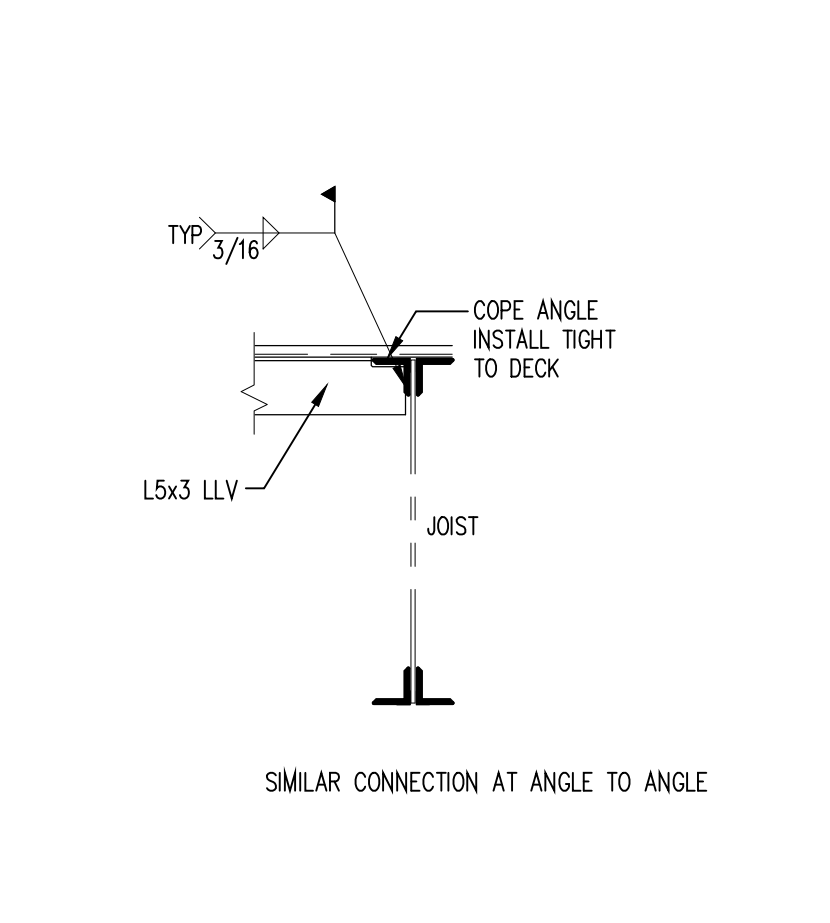
**3** WEB STIFFENER FOR "K" AND "LH" JOISTS  
SCALE: NONE



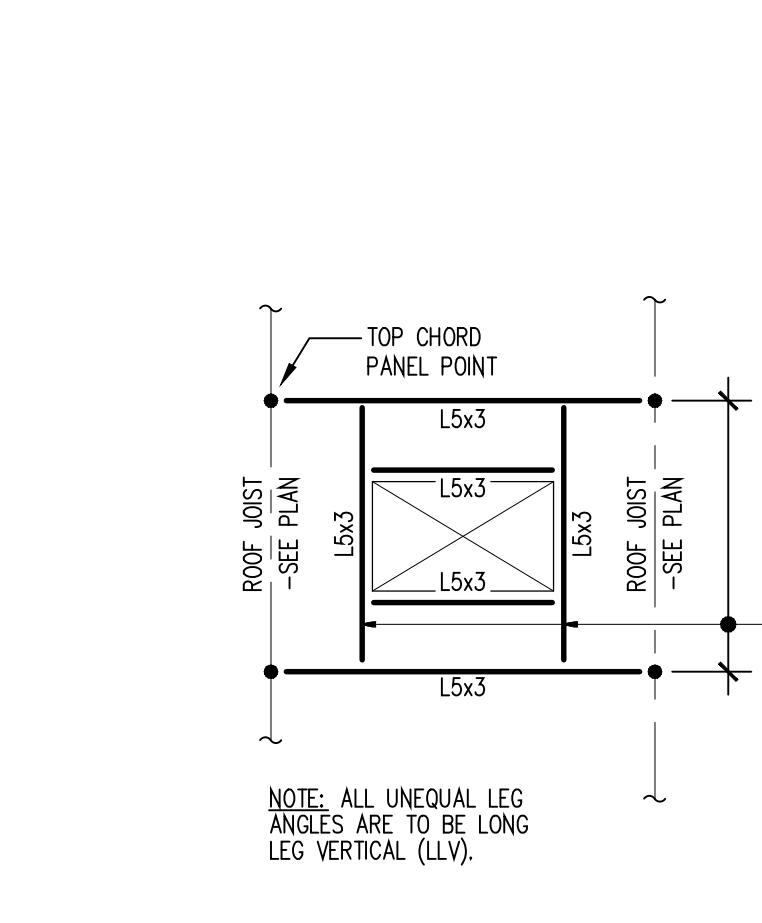
**4** TYPICAL ROOF UNIT SUPPORT  
SCALE: NONE



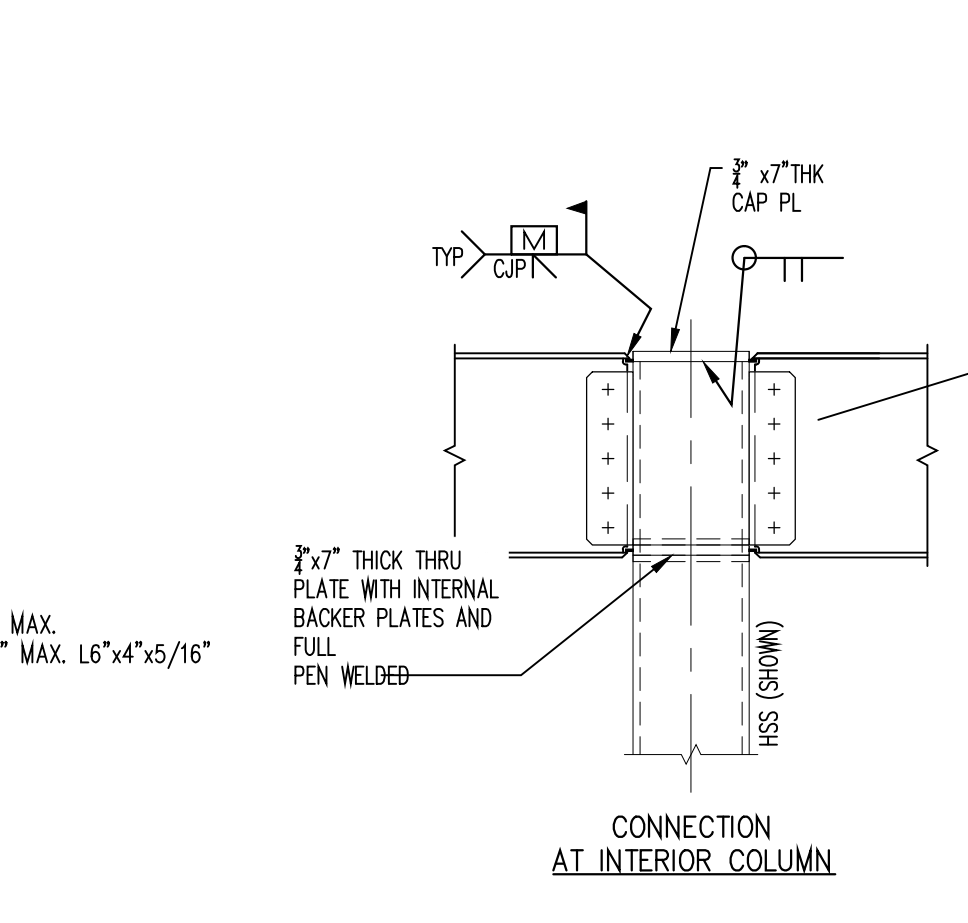
**5** TYPICAL ROOF UNIT SUPPORT  
SCALE: NONE



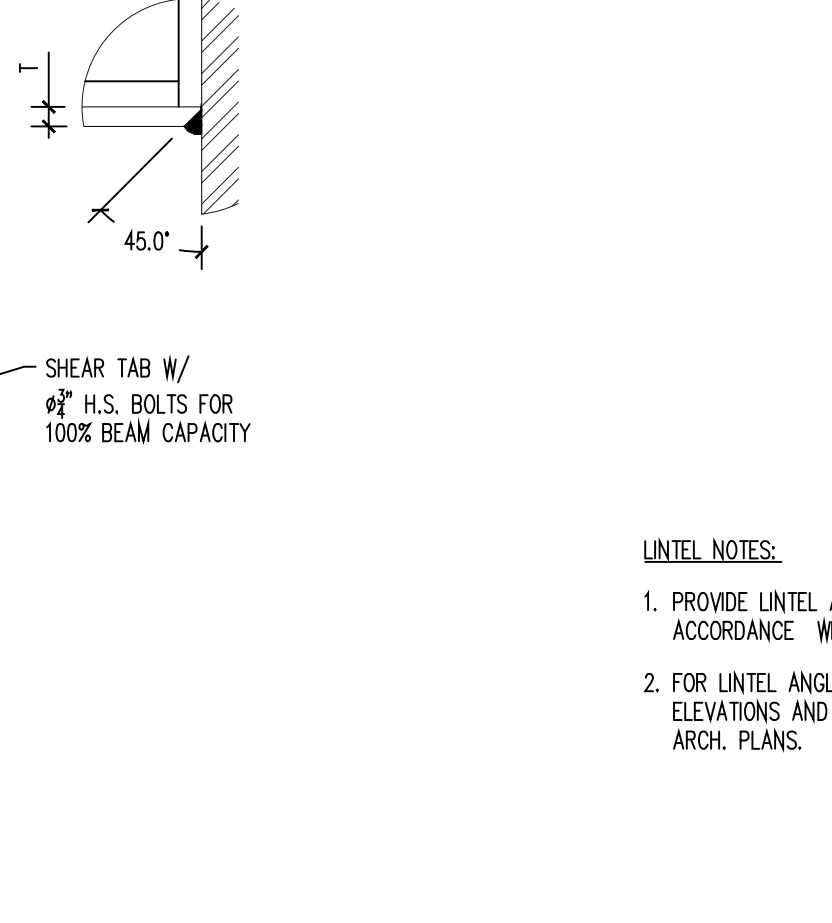
**6** SECTION  
SCALE: NONE



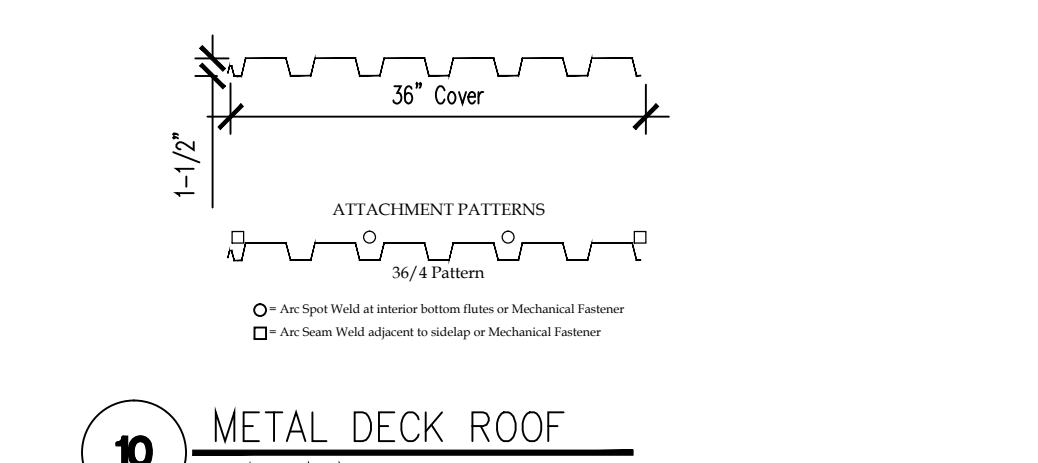
**7** TYPICAL ROOF OPENING  
SCALE: NONE



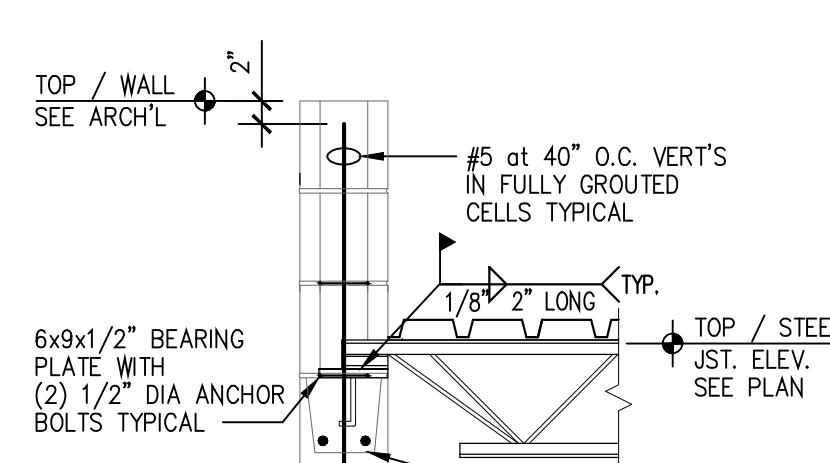
**8** MOMENT CONNECTION AT HSS COLUMNS  
SCALE: N.T.S. TYPICAL



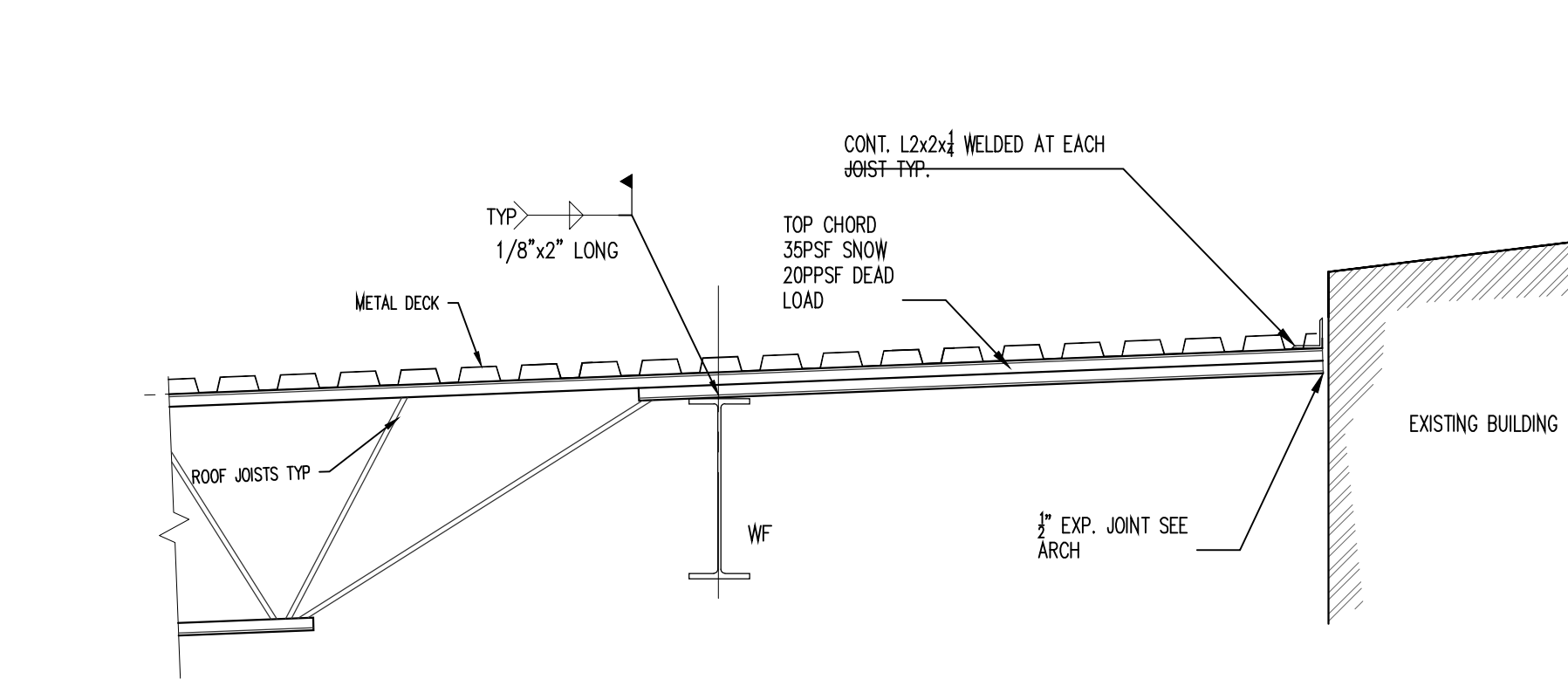
**9** LINTEL DETAIL  
SCALE: 3/4" = 1'-0" TYPICAL



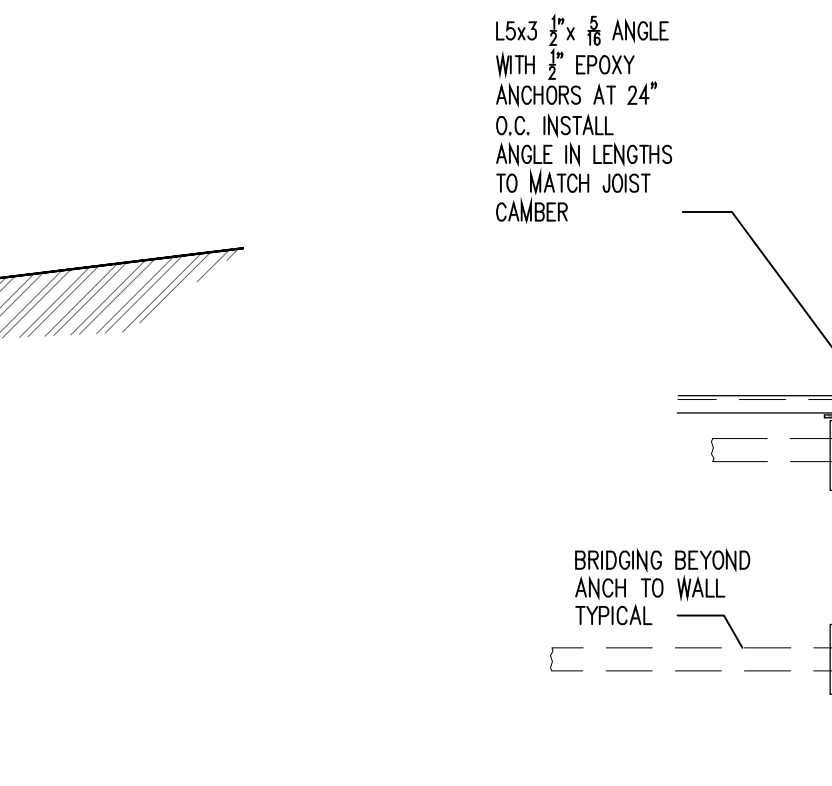
**10** METAL DECK ROOF  
SCALE: NONE



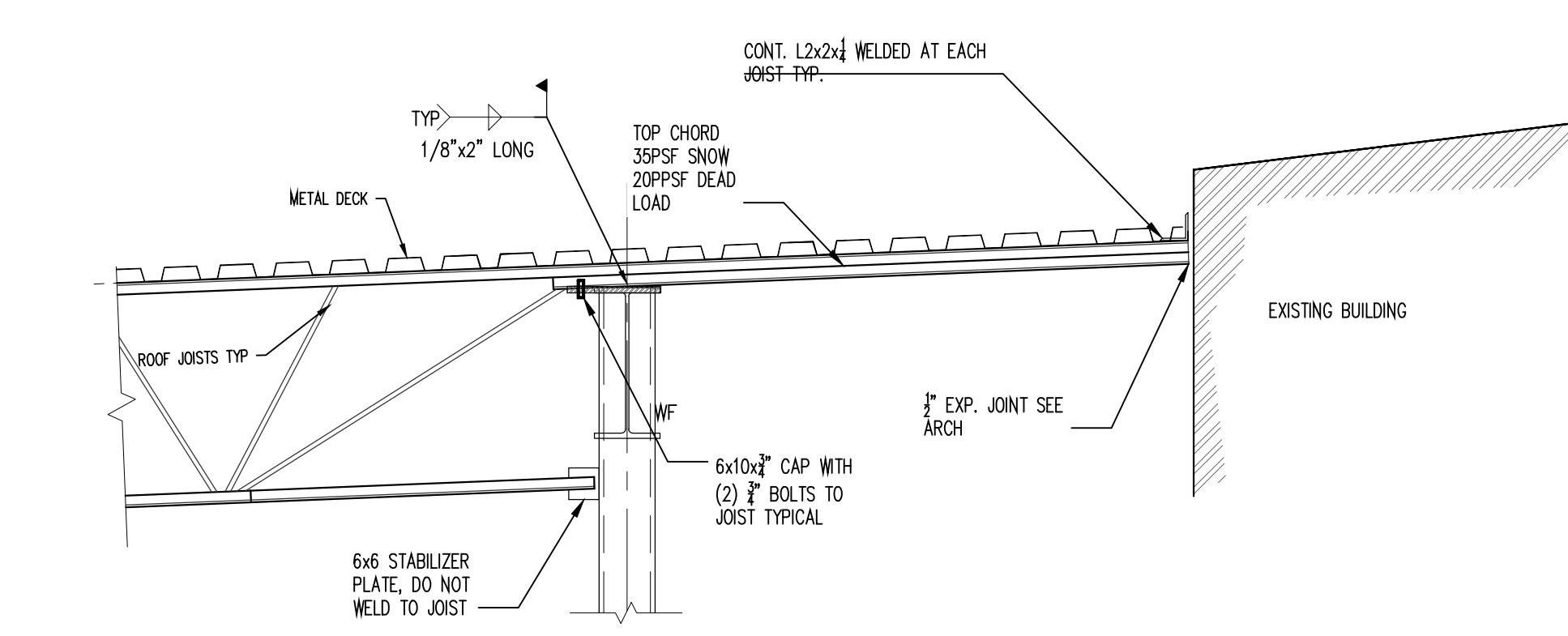
**11** STRUCTURAL SECTION  
SCALE: 3/4" = 1'-0"



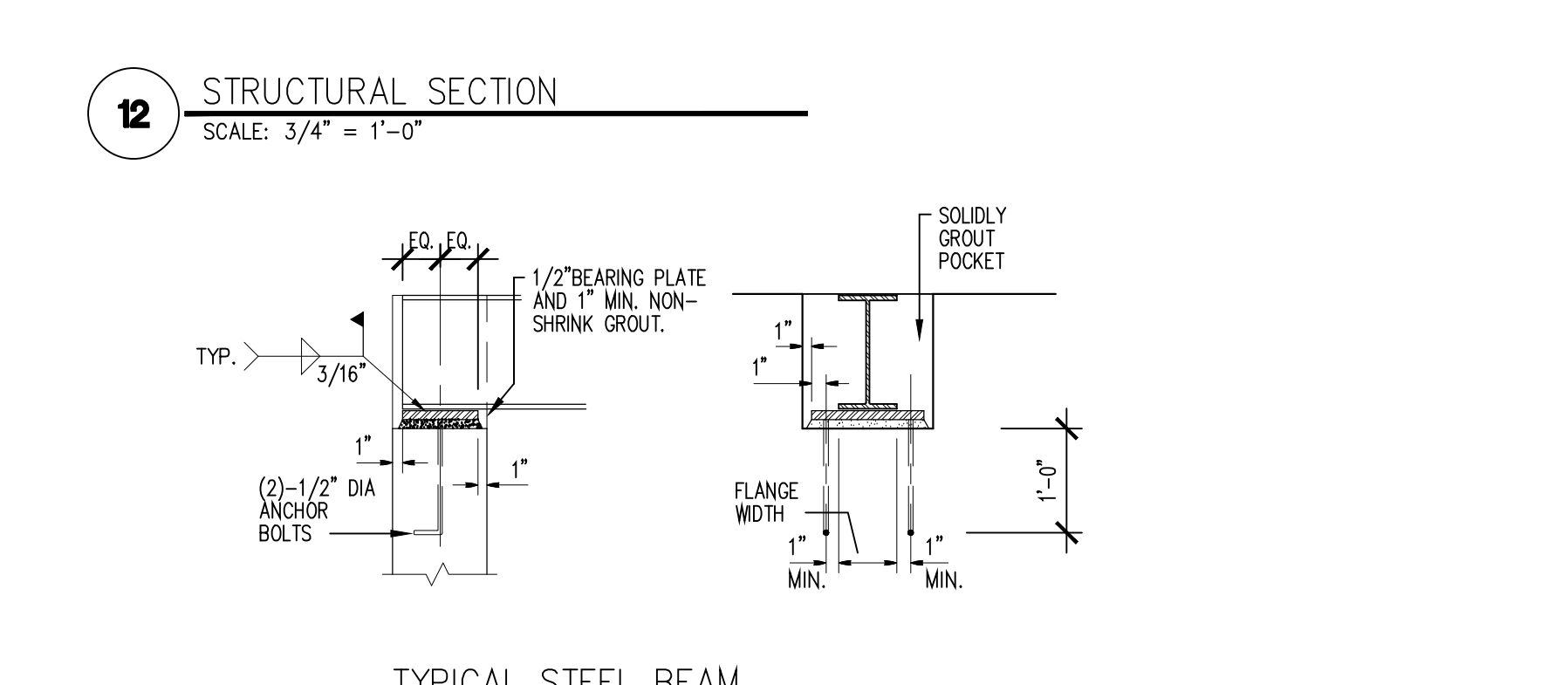
**12** STRUCTURAL SECTION  
SCALE: 3/4" = 1'-0"



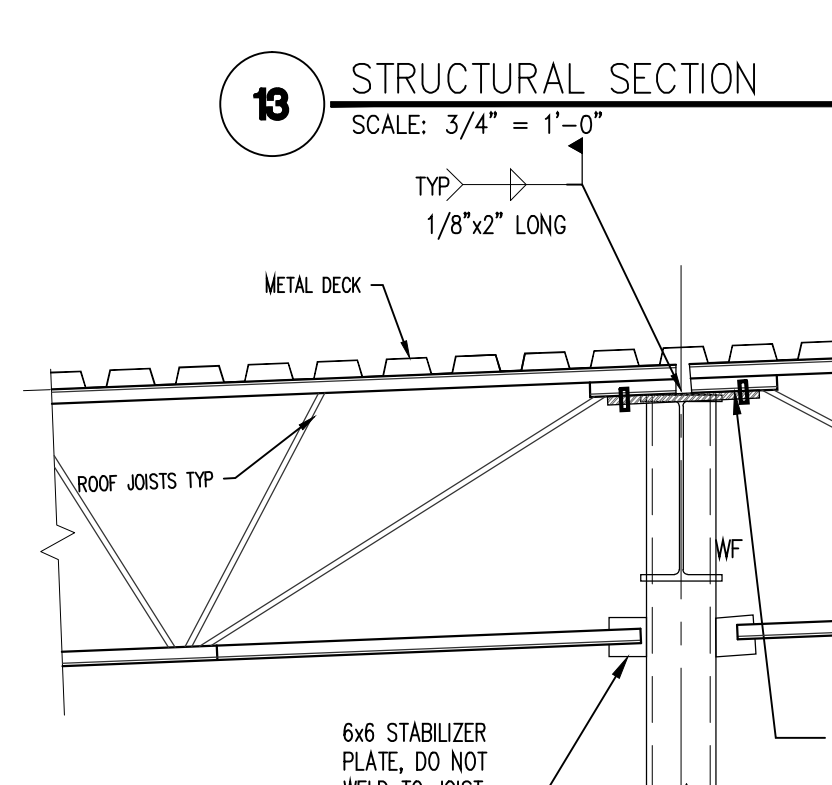
**13** STRUCTURAL SECTION  
SCALE: 3/4" = 1'-0"



**14** STRUCTURAL SECTION  
SCALE: 3/4" = 1'-0"

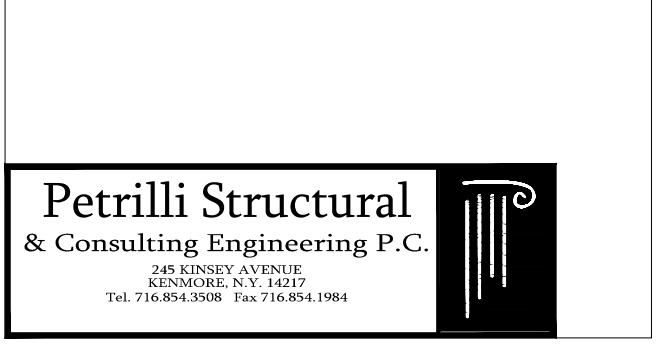


**15** TYPICAL STEEL BEAM BEARING ON CONCRETE WALL  
SCALE: NONE



**16** STRUCTURAL SECTION  
SCALE: 3/4" = 1'-0"

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**West Herr Toyota Body Shop Addition**  
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SA PROJECT TEAM: PRINCIPAL P. Silvestri  
PROJ. ARCH. \_\_\_\_\_ DRAFTER \_\_\_\_\_  
JOB CAPT. \_\_\_\_\_ INTERIORS \_\_\_\_\_

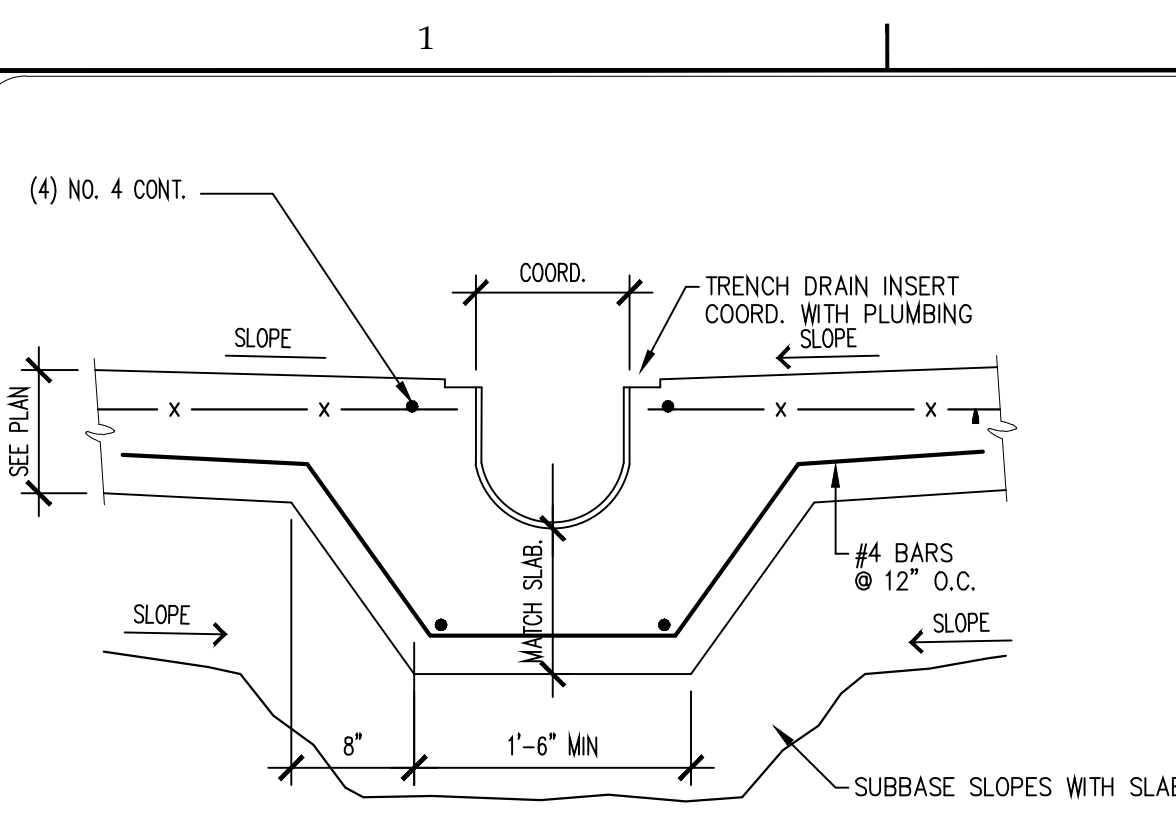
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**DETAILS**

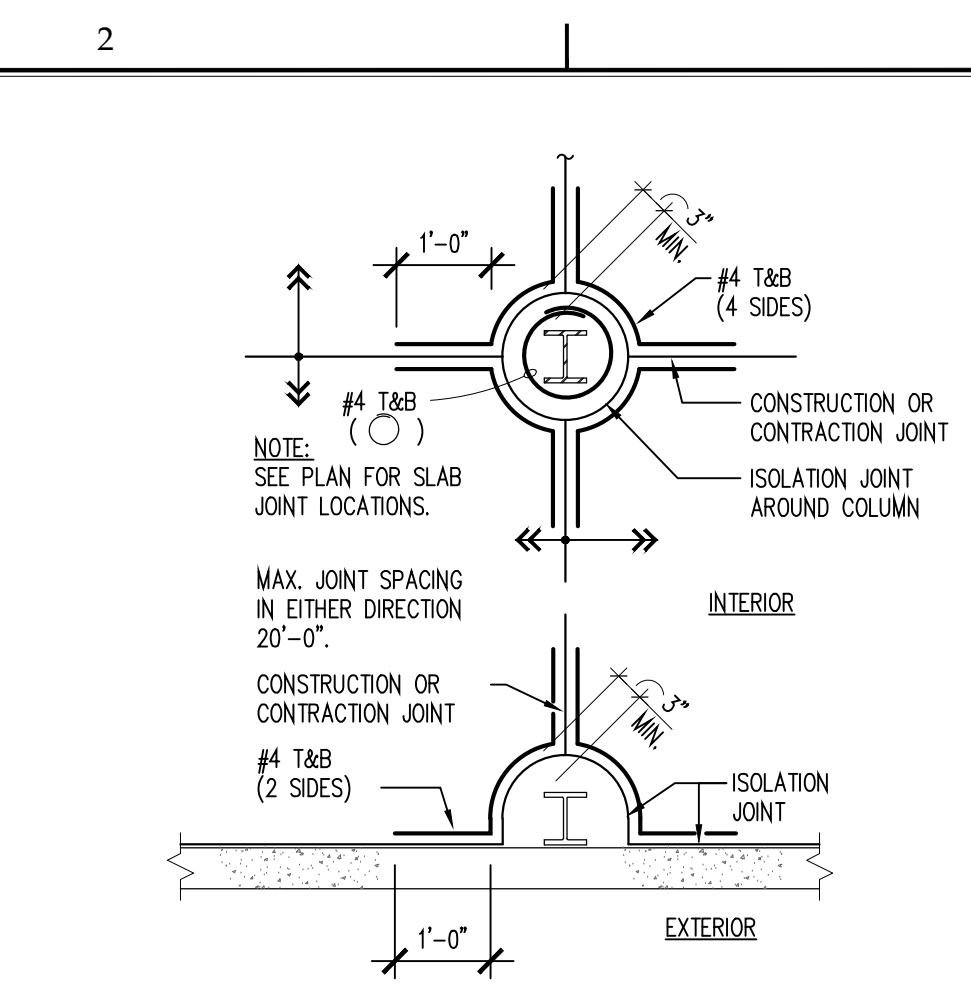


SA JOB #: 08029.10 DATE: 11-26-18

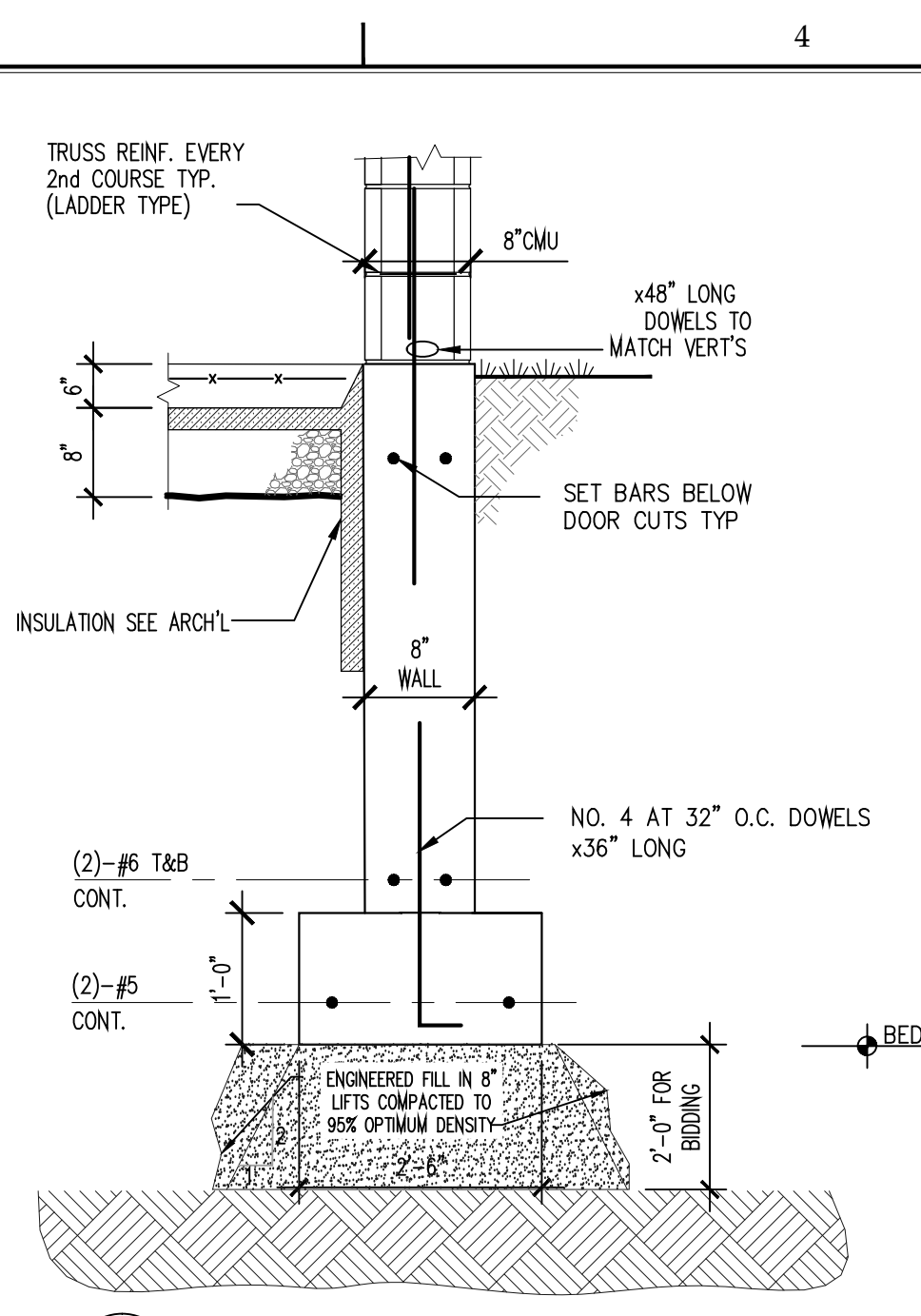
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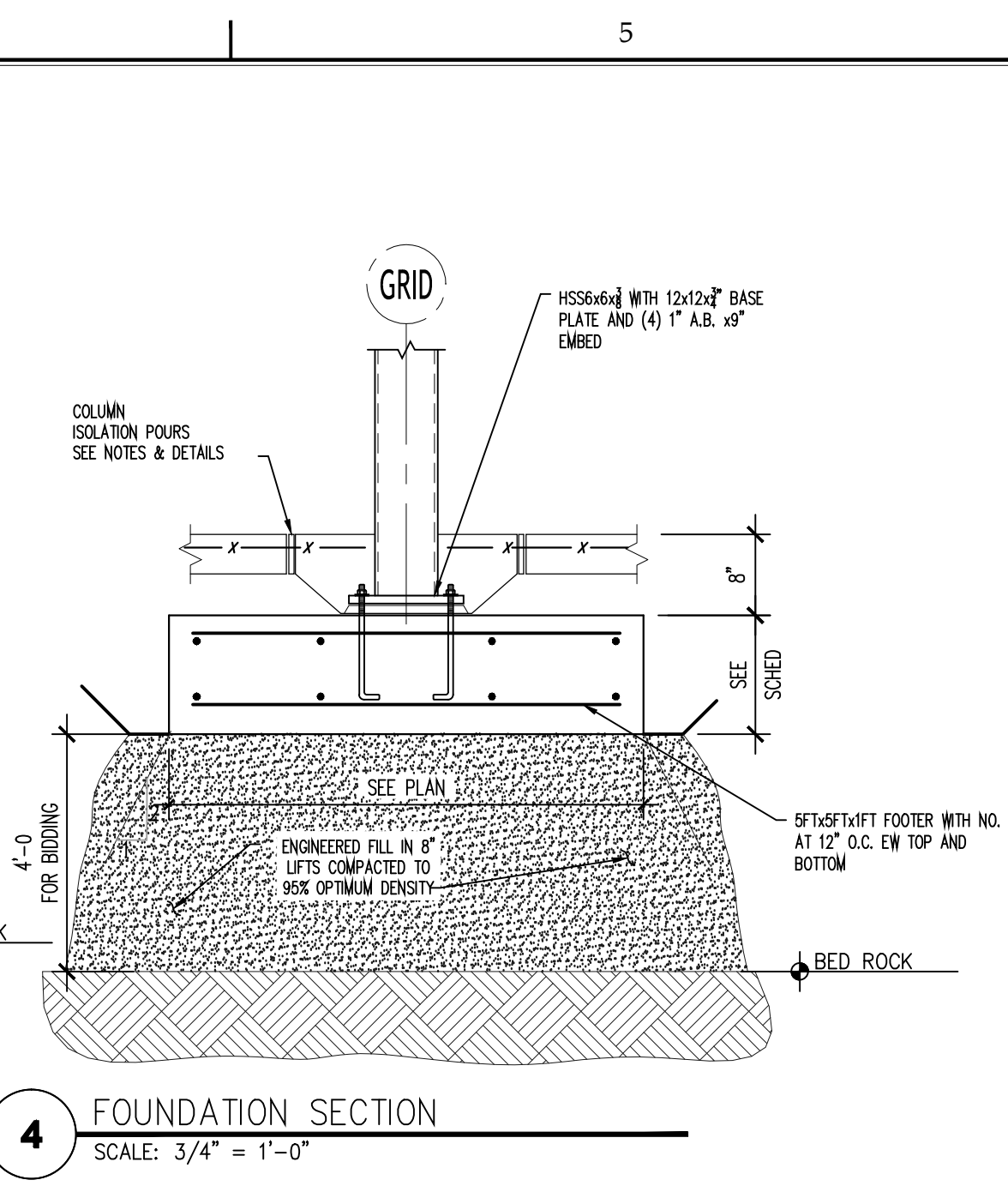
**1** TRENCH DRAIN  
SCALE: 3/4" = 1'-0"



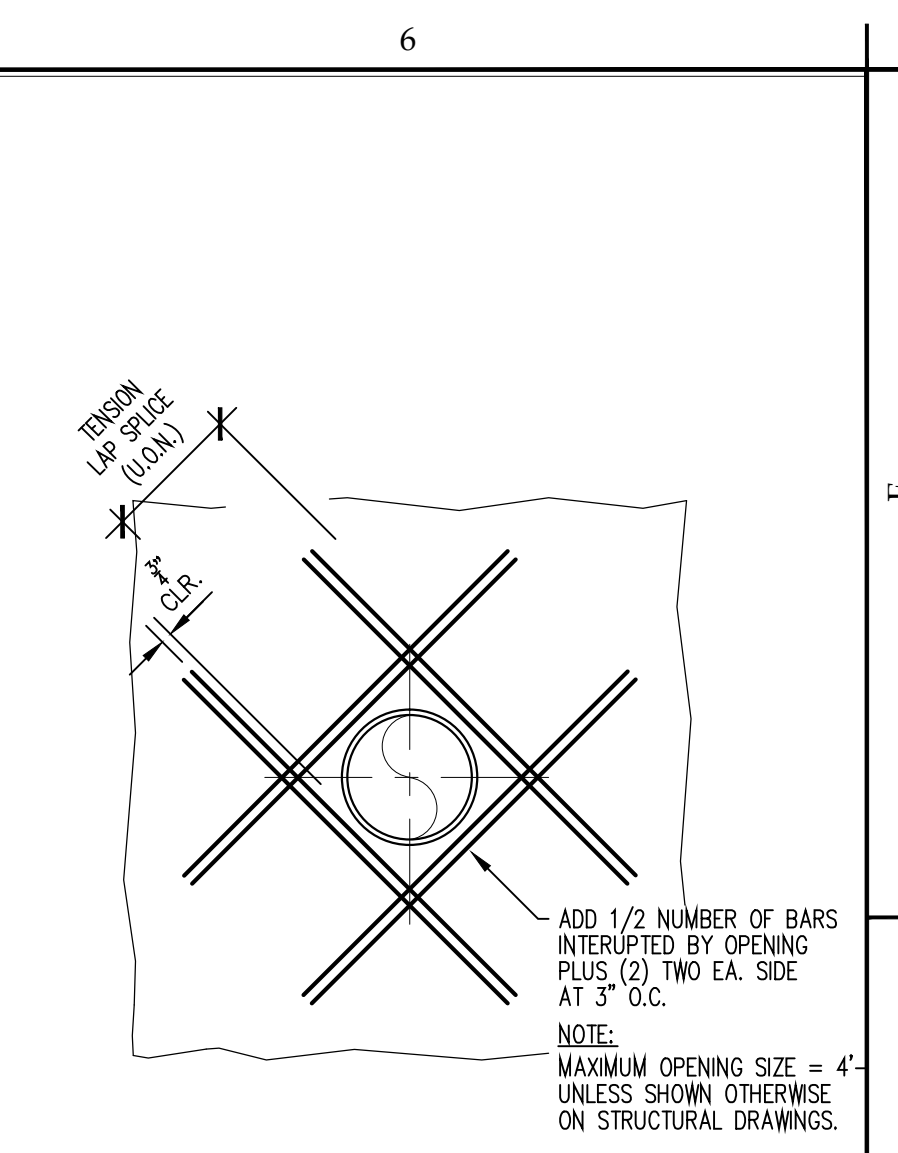
**2** TYP. SLAB-ON-GRADE JOINT LOC'S  
SCALE: NONE



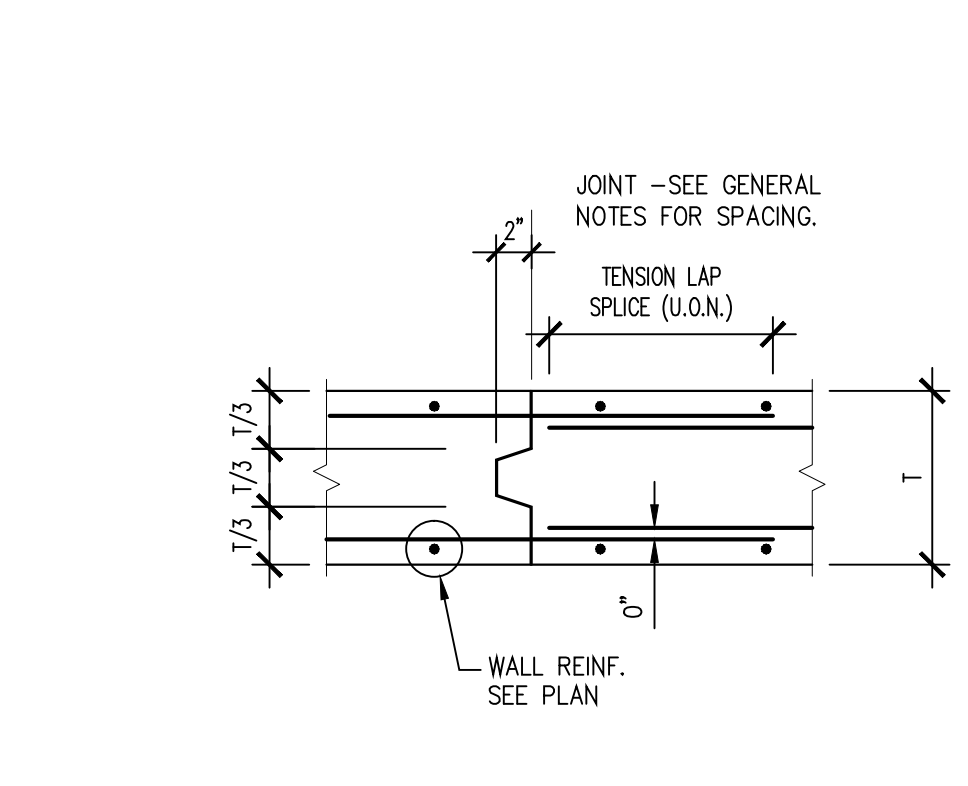
**3** FOUNDATION SECTION  
SCALE: 3/4" = 1'-0"



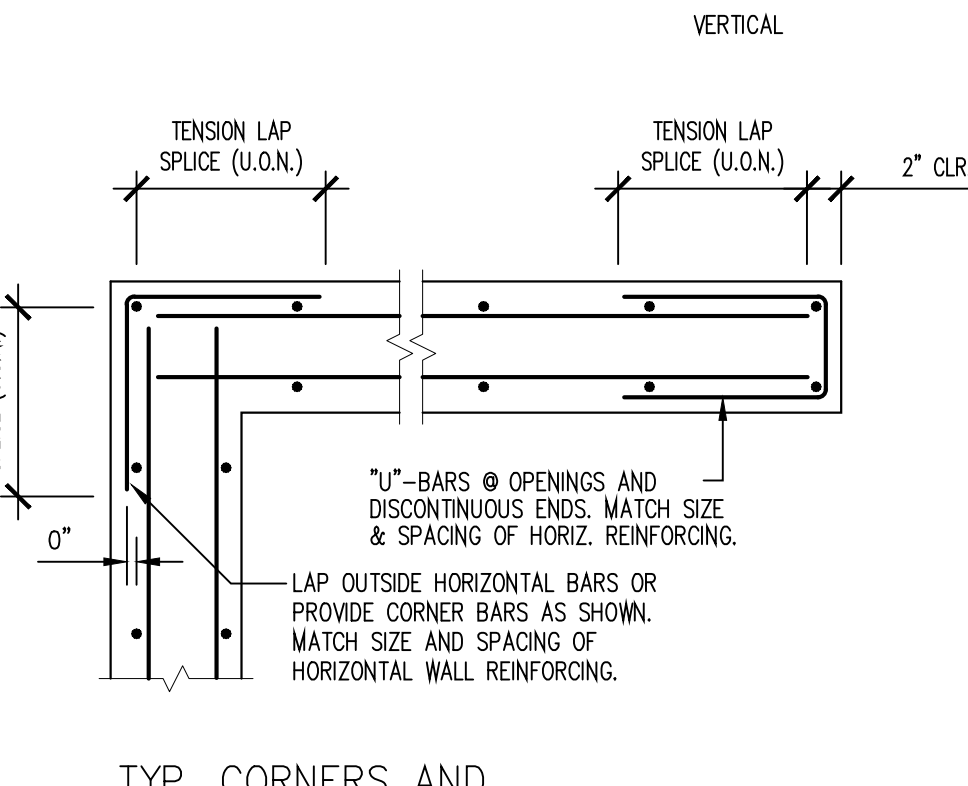
**4** FOUNDATION SECTION  
SCALE: 3/4" = 1'-0"



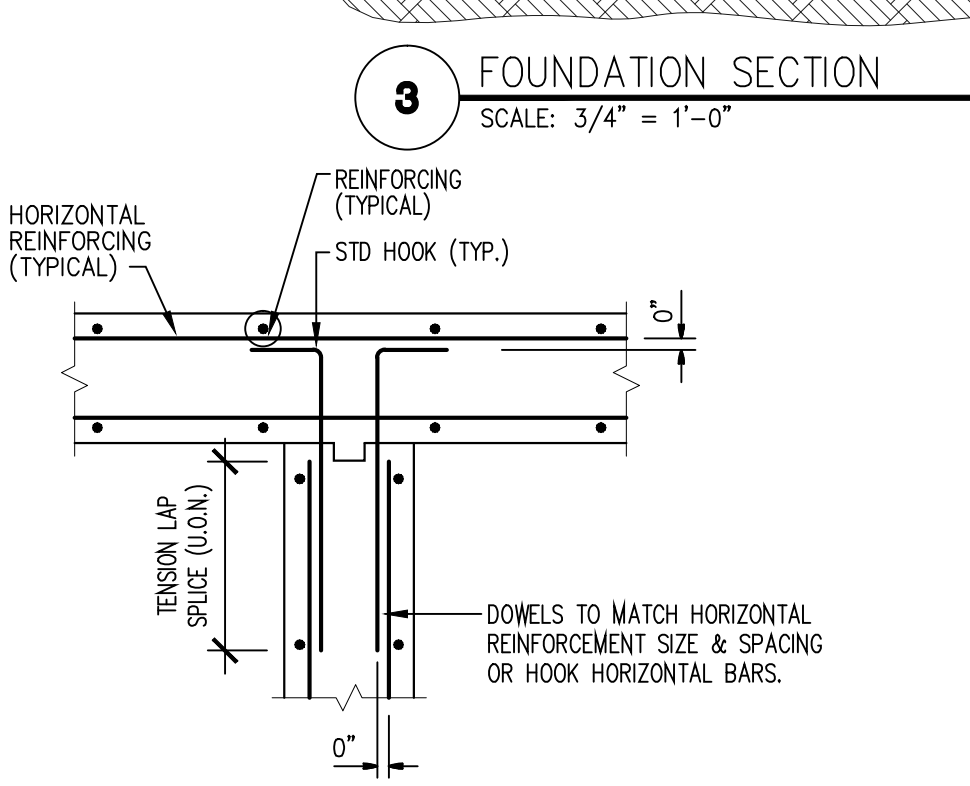
**5** TYP. CIRCULAR WALL OPENING  
SCALE: NONE



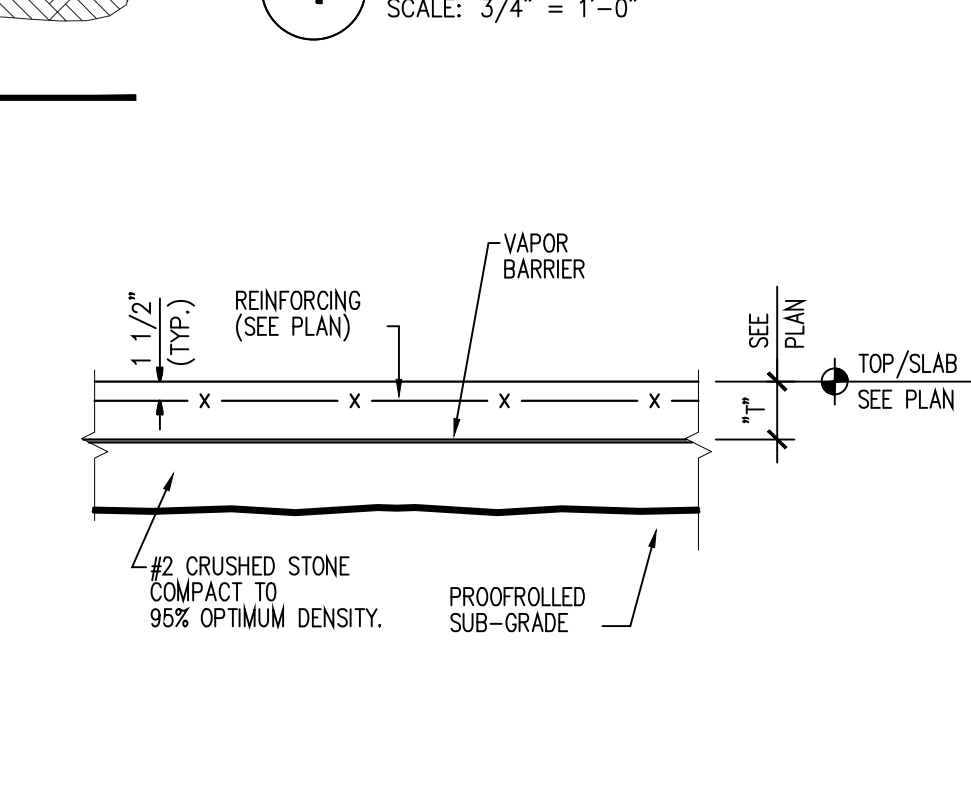
**6** TYP. WALL CONSTR. JOINT  
SCALE: NONE



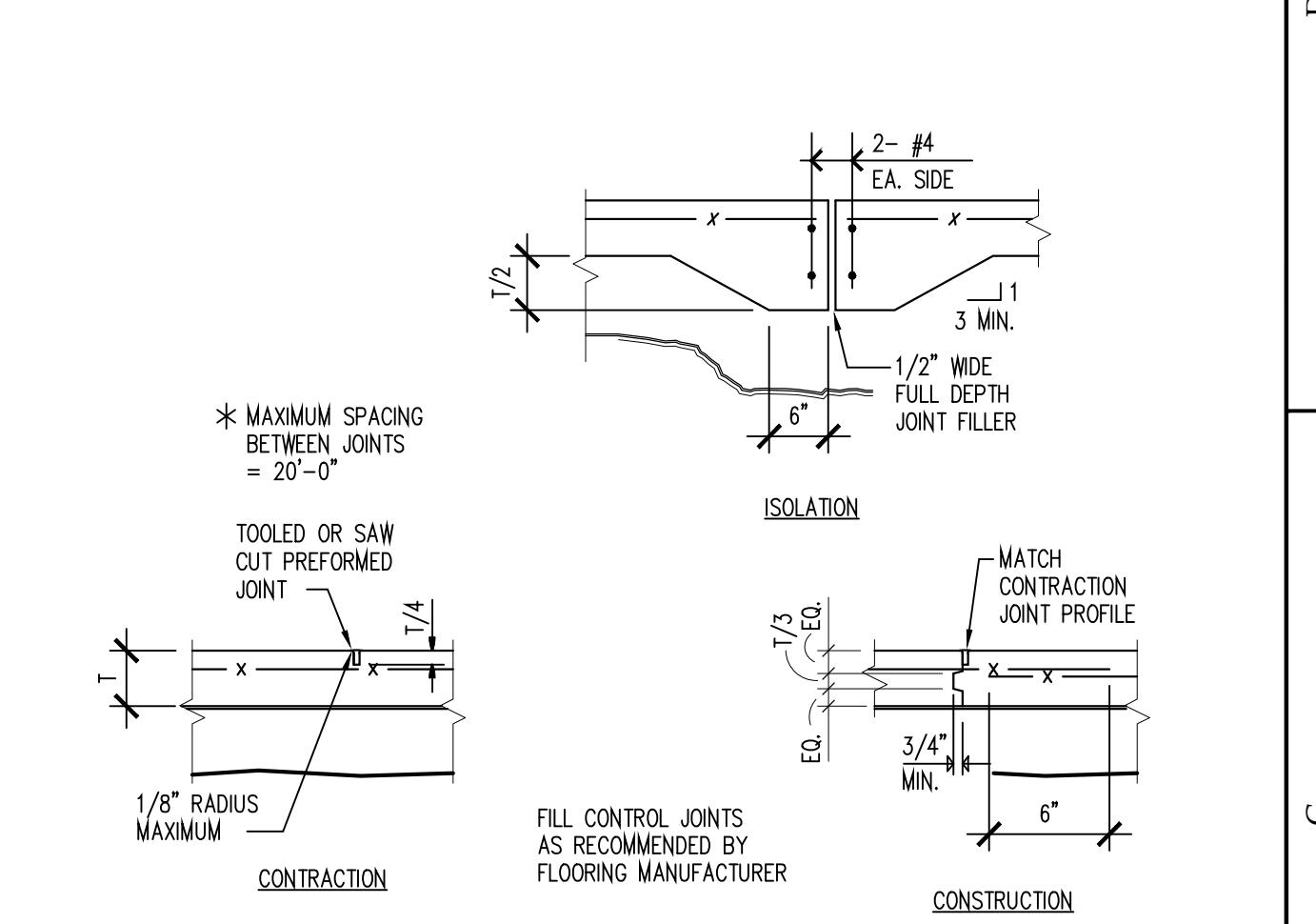
**7** TYP. CORNERS AND ENDS OF CONC. WALLS  
SCALE: NONE



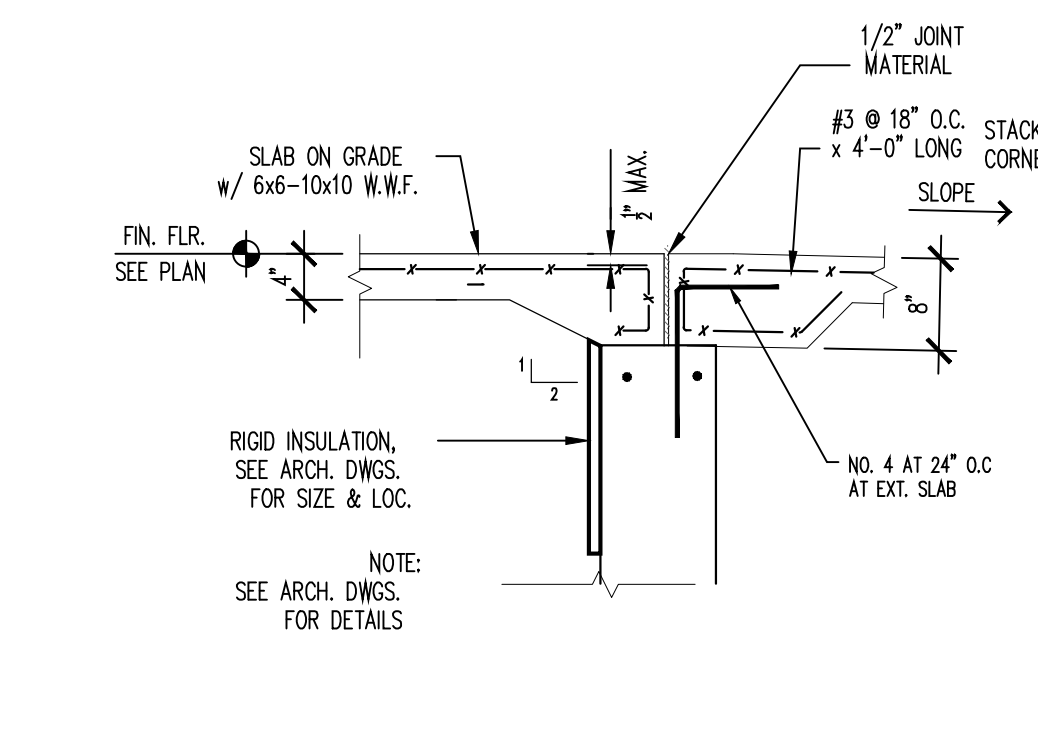
**8** WALL INTERSECTION  
SCALE: NONE



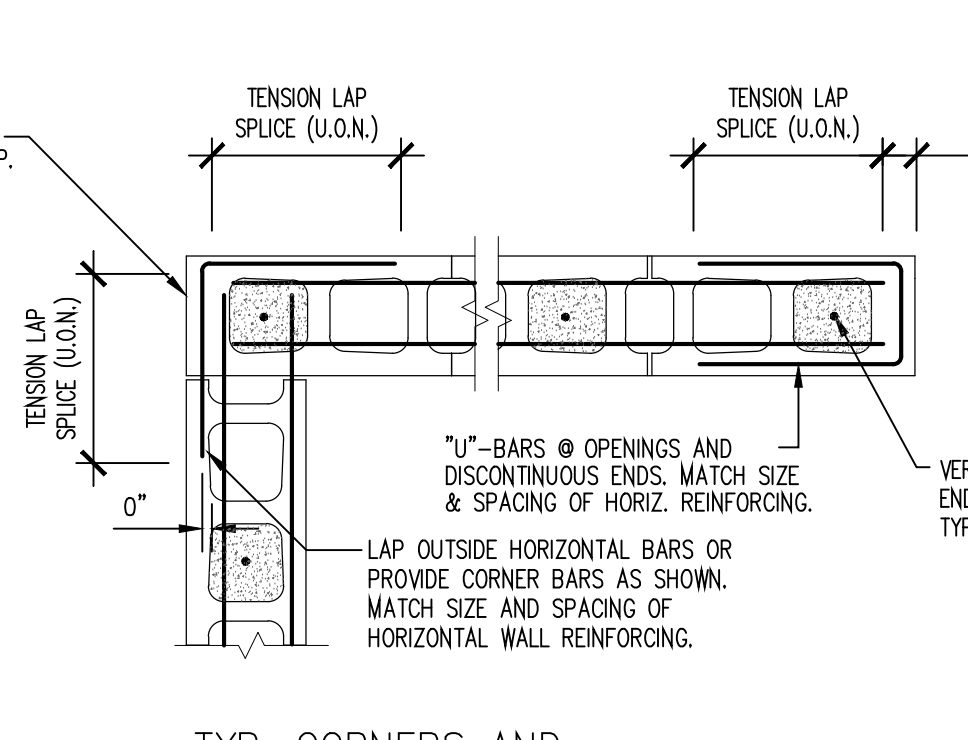
**9** TYP. SLAB-ON-GRADE CONSTR.  
SCALE: NONE



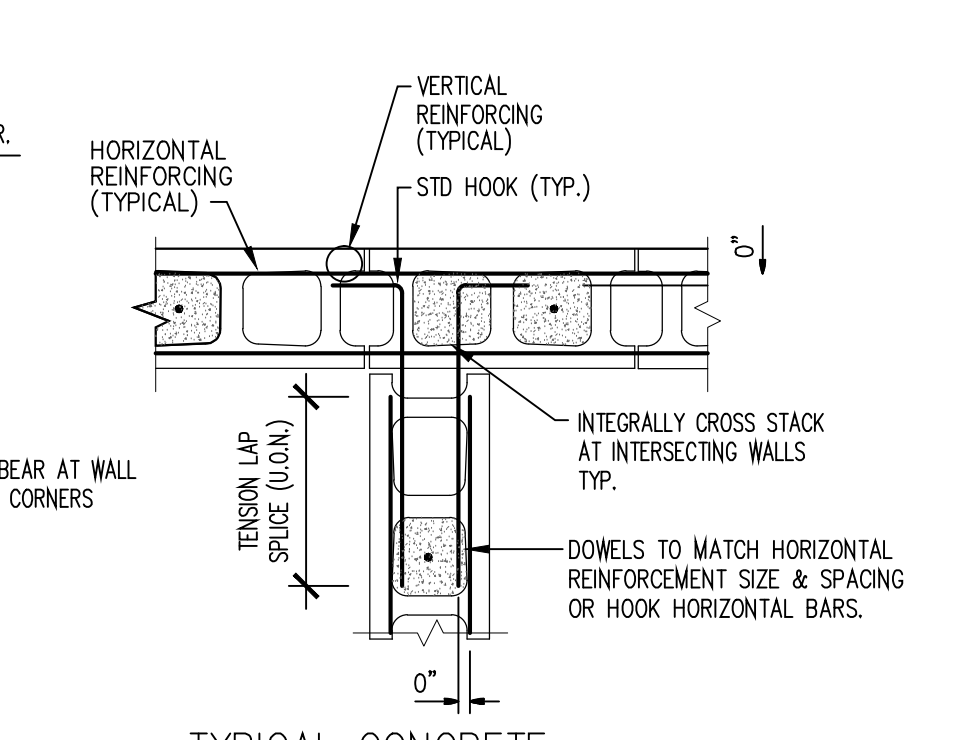
**10** TYP. SLAB-ON-GRADE JOINTS  
SCALE: NONE



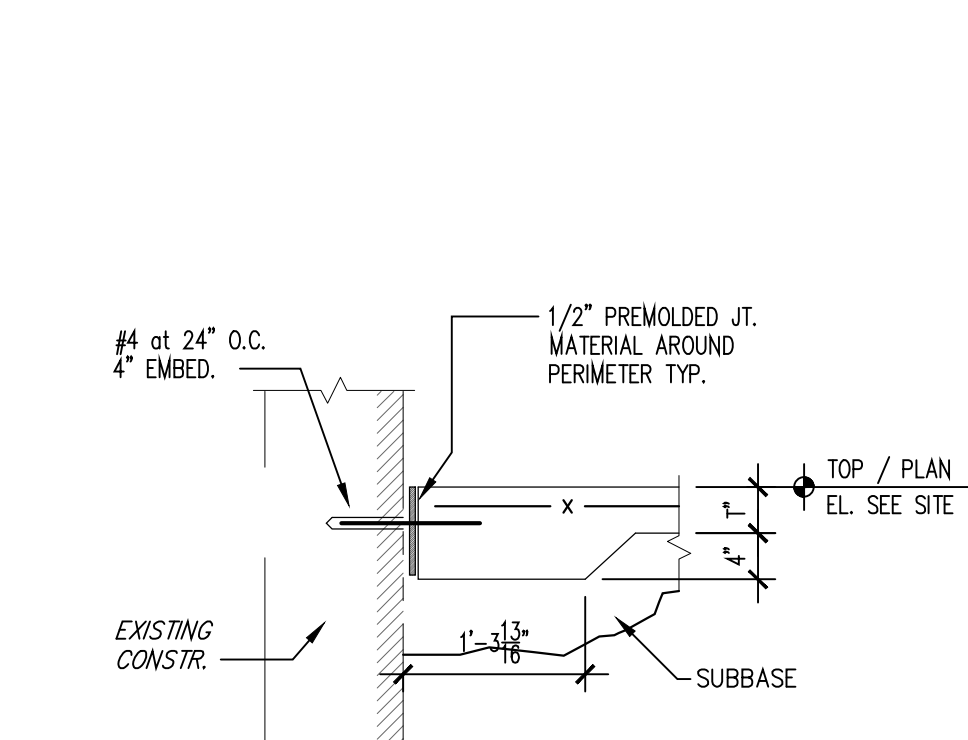
**11** AT ALL EXTERIOR ENTRANCES FOUNDATION SECTION  
SCALE: 3/4" = 1'-0"



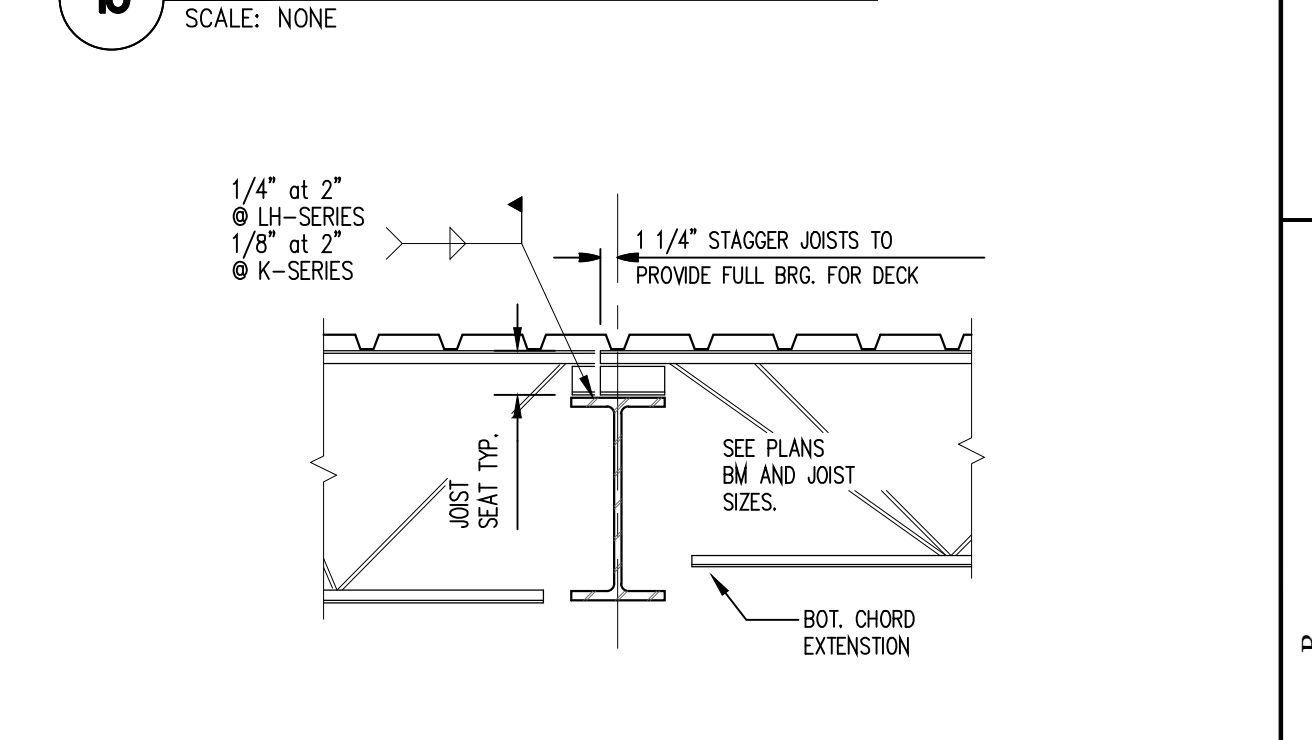
**12** TYP. CORNERS AND ENDS OF MASONRY WALLS  
SCALE: NONE



**13** TYPICAL CONCRETE WALL INTERSECTION  
SCALE: NONE



**14** DETAIL  
SCALE: 3/4" = 1'-0"



**15** TYP. JOIST BEARING ON STL. BEAM  
SCALE: NONE

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JOB CAPT. INTERIORS

SEAL:

TITLE: DETAILS

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SA JOB #: 08029.10 DATE: 11-26-18

DRAWING #: S-202

**GENERAL NOTES**

- DO NOT SCALE DRAWINGS.
- CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE NEW YORK STATE BUILDING CODES, OSHA STANDARDS AND FIRE SAFETY CODE / RELEVANT SECTIONS OF THE N.E.P.A. & ANY LOCAL CODES BEING MORE RESTRICTIVE THAN THE MINIMUMS LISTED.
- CONSTRUCTION MEANS, METHODS, TECHNIQUES AND CRAFTSMANSHIP IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. G.C. SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD. CONTACT ARCHITECT IF MAJOR DISCREPANCIES OCCUR BETWEEN DRAWINGS AND EXISTING CONDITIONS.
- THE CONTRACTOR IS REQUIRED TO INSPECT THE PROJECT SITE IN ORDER TO DETERMINE THE EXTENT OF THE REQUIRED WORK. THIS INSPECTION SHALL BE COMPLETED PRIOR TO THE SUBMISSION OF ANY PROPOSAL TO COMPLETE THIS PROJECT. INSPECTION TIMES SHALL BE COORDINATED WITH THE OWNER.
- THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL INFORMATION ON THE DRAWINGS.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT DUE TO THE NATURE OF RECONSTRUCTION PROJECTS, THE EXACT EXTENT OF THE RECONSTRUCTION WORK CANNOT ALWAYS BE ACCURATELY DETERMINED PRIOR TO THE COMMENCEMENT OF THE WORK. THESE DOCUMENTS HAVE BEEN PREPARED BASED ON FIELD INSPECTIONS AND OTHER INFORMATION AVAILABLE AT THE TIME. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATION TO CONSTRUCTION DETAILS AND WORK QUANTITIES. THE CONTRACTOR SHALL BID & PERFORM THE WORK IN ACCORDANCE WITH THE FIELD CONDITIONS.
- ALL DIMENSIONS SHOWN FOR EXISTING STRUCTURES ARE BASED ON RECORD DRAWINGS AND FIELD MEASUREMENTS. THE CONTRACTOR IS ADVISED THAT SAID DRAWINGS MAY NOT ACCURATELY REFLECT AS BUILT CONDITIONS. ACCURATE FIELD MEASUREMENTS SHOULD BE MADE PRIOR TO ORDERING ANY PREFABRICATED MATERIALS. DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT AND SHALL BE REFLECTED ON THE CONTRACTOR'S SHOP DRAWINGS.
- THE DRAWINGS, SPECIFICATIONS AND OTHER DOCUMENTS FOR THIS PROJECT TO THE SCOPE OF THE PROJECT IN COMPLIANCE WITH THE OWNER AND DESIGN TEAM. ANY CHANGES TO THESE DRAWINGS, SPECIFICATIONS AND OTHER DOCUMENTS WILL ONLY BE DONE BY A CHANGE ORDER THAT IS APPROVED BY THE OWNER'S REPRESENTATIVE.
- CONSIDERATION WILL NOT BE GRANTED FOR ANY ALLEGED MISUNDERSTANDINGS AS TO THE AMOUNT AND / OR SCOPE OF WORK TO BE PERFORMED. TENDER OF PROPOSAL SHALL CONVEY FULL AGREEMENT TO THE ITEMS, AND CONDITIONS INDICATED IN THE CONSTRUCTION DOCUMENTS. SHOULD THE CONTRACTOR FIND DISCREPANCIES OR OMISSIONS IN THE CONSTRUCTION DOCUMENTS OR BE IN DOUBT AS TO THE INTENT THEREOF, THE CONTRACTOR SHALL IMMEDIATELY OBTAIN CLARIFICATION FROM THE ARCHITECT PRIOR TO SUBMITTING A PROPOSAL FOR THE WORK.
- ALL OWNER SUPPLIED ITEMS WILL BE COORDINATED WITHIN THE GENERAL CONTRACTOR'S CONSTRUCTION SCHEDULES PRIOR TO COMMENCEMENT OF ANY WORK.
- THE CONTRACTOR SHALL COORDINATE HIS WORK AND SCHEDULE WITH THE OWNER FOR ALL BUILDING AND CONSTRUCTION SIGNAGE.
- THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF HIS WORK AND SCHEDULE WITH WORK BEING PERFORMED BY OTHERS AND THE USER/OWNER OF THE BUILDING.
- ALL DIMENSIONS SHALL HAVE PRECEDENCE OVER SCALE. DO NOT SCALE DRAWINGS. ALL DIMENSIONS ARE TO FACE OF CONCRETE OR MASONRY, CENTERLINE OF COLUMNS AND BEAMS, AND FINISH TO FINISH, UNLESS OTHERWISE NOTED.
- THE STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS ARE SUPPLEMENTARY TO THE ARCHITECTURAL DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK WITH THE ARCHITECTURAL DRAWINGS BEFORE THE INSTALLATION OF STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING WORK. ANY DISCREPANCIES BETWEEN THE ARCHITECT'S AND ENGINEER'S DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION FOR CLARIFICATION PRIOR TO PROCEEDING WITH SAID WORK.
- DETAILS MARKED "TYPICAL" SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY INDICATED OTHERWISE.
- ALL SYMBOLS AND ABBREVIATIONS USED ON THE DRAWINGS ARE CONSIDERED TO BE CORRECT AND STANDARD. IF THE CONTRACTOR HAS QUESTIONS REGARDING SOME, OR THEIR EXACT MEANING, THE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION.
- CONTRACTOR SHALL VERIFY AND ESTABLISH THE LOCATIONS AND ELEVATIONS OF ALL UTILITIES WITHIN THE WORK AREA, AND SHALL COORDINATE WITH THE OWNER AND THE UTILITY COMPANIES PRIOR TO THE START OF THE PROJECT.
- THE CONTRACTOR SHALL PROVIDE ALL SHORING AND BRACING REQUIRED TO ADEQUATELY PROTECT PERSONAL AND ADJACENT PROPERTY AND TO INSURE SAFETY OF THE STRUCTURE THROUGHOUT THE CONSTRUCTION PERIOD.
- ALL CEILING HEIGHTS AS SHOWN ON DETAILS OR PLANS OR NOTES ARE FROM TOP OF CONCRETE DECK TO FINISH CEILING. USE OF THE TERM ABOVE FINISH FLOOR (A.F.F.) MEANS MEASURED FROM THE TOP OF CONCRETE DECK. CONTRACTOR SHALL ALLOW FOR AND COORDINATE WORK WITH FLOOR FINISH MATERIAL AND INSTALLATION METHOD.
- PROVIDE INDEPENDENT SUSPENSION FOR ALL LIGHT FIXTURES. SUSPENSION FOR CEILING AND LIGHT FIXTURES SHALL BE INDEPENDENT OF SUSPENSION FOR DUCT WORK.
- ALL EQUIPMENT AND MATERIALS INSTALLED IN THIS JOB SHALL BE NEW AND FREE OF ANY DEFECTS UNLESS OTHERWISE NOTED.
- CONTRACTORS SHALL RECORD ALL DEVIATIONS FROM THE DESIGN DOCUMENTS IN THE DRAWINGS, AND PROVIDE A COPY TO THE ARCHITECT UPON THE COMPLETION OF WORK.
- PROVIDE APPROVED SEPARATION BY MEANS OF COATINGS, GASKETS, OR OTHER EFFECTIVE MEANS TO PREVENT GALVANIC CORROSION BETWEEN ALL DISSIMILAR METALS.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED BY THE CONSTRUCTION OPERATIONS OF THIS PROJECT TO ADJACENT PROPERTY, UTILITIES, PAVEMENT, LANDSCAPING, STRUCTURES OR IMPROVEMENTS OF ANY KIND. THE GENERAL CONTRACTOR SHALL REPAIR ALL SUCH DAMAGE DURING THE CONSTRUCTION PERIOD.
- WHERE IT IS NECESSARY TO INSURE STABILITY, CONTRACTOR IS TO PROVIDE ADDITIONAL ANCHORING AND/OR BLOCKING IN STUD

- PARTITIONS OR BRACE PARTITIONS ABOVE CEILINGS.
- CONTRACTOR TO COORDINATE LOCATIONS OF FLOOR DRAINS WITH PLUMBING CONTRACTOR.
- CONTRACTOR TO COORDINATE SIZE OF LOCATION OF DEPRESSED SLAP AND TRENCH DRAIN REQUIRED FOR WASHING MACHINES PER MANUFACTURERS AND OWNERS SPECIFICATIONS AT LAUNDRY 110.
- AUTOMATIC SPRINKLER PROTECTION IS REQUIRED. AUTOMATIC SPRINKLER TO BE CONFIGURED AS REQUIRED FOR NEW CONSTRUCTION. CONTRACTOR TO PROVIDE LAYOUT AND THE MINIMUM REQUIREMENTS FOR THE DESIGN AND INSTALLATION OF AUTOMATIC FIRE SPRINKLER SYSTEM AND EXPOSURE PROTECTION SPRINKLER SYSTEMS, INCLUDING THE CHARACTER AND ADEQUACY OF WATER SUPPLIES AND THE SELECTION OF SPRINKLERS, PIPING, VALVES AND ALL OTHER MATERIALS AND ACCESSORIES IN ACCORDANCE WITH NFPA 13 AND LOCAL BUILDING CODES.
- ROOM IDENTIFICATION AND INTERIOR SIGNAGE BY OWNER. SIGNAGE SHALL COMPLY WITH ADA REQUIREMENTS.
- CONTRACTOR SHALL PROVIDE AND INSTALL FIRE EXTINGUISHERS PER CODE, INCLUDING NFPA 10, AND AS DIRECTED BY THE LOCAL FIRE DEPARTMENT THROUGHOUT THE BUILDING. FIRE EXTINGUISHER CABINETS SHALL NOT PROJECT MORE THAN 4" BEYOND THE FACE OF THE WALL. RECESSED FIRE EXTINGUISHER CABINETS IN FIRE RATED WALLS SHALL HAVE THE SAME FIRE RATING AS THE WALL.
- DIMENSIONS TO EXTERIOR WALLS ARE ASSUMED FACE OF FOUNDATION WALL UNLESS OTHERWISE NOTED. ALL INTERIOR ALL INTERIOR DIMENSIONS ARE TAKEN FROM FACE OF FINISHED WALL. ALL EXTERIOR DIMENSIONS ARE TO FACE OF SHEATHING, UNLESS OTHERWISE NOTED.
- BEFORE SUBMITTING BID, EXAMINE ALL DRAWINGS RELATED TO THE PROJECT TO BE FULLY INFORMED AS TO THE EXTENT AND CHARACTER OF THE WORK OF ALL TRADES AND ITS RELATION TO THE WORK UNDER THE CONTRACT. NO CONSIDERATIONS WILL BE GIVEN FOR ALLEGED MISUNDERSTANDING OF THE MATERIALS TO BE FURNISHED OR THE WORK TO BE DONE.
- CONTRACTOR SHALL REVIEW AND SUBMIT SHOP DRAWINGS SUFFICIENTLY IN ADVANCE OF THE WORK TO ALLOW PROPER TIME FOR REVIEW. MATERIALS SHALL NOT BE FABRICATED OR DELIVERED TO THE SITE BEFORE THE SHOP DRAWINGS HAVE BEEN REVIEWED AND APPROVED BY THE OWNER'S REPRESENTATIVE.
- ALL SUBSTITUTE MANUFACTURERS, EQUIPMENT, MATERIALS AND PRODUCTS SHALL BE APPROVED BY THE OWNERS REPRESENTATIVE. THE CONTRACTOR IS RESPONSIBLE FOR ALL ASSOCIATED COSTS TO ANY AND ALL BUILDING COMPONENTS THAT ARE AFFECTED BY THE SUBSTITUTIONS. ADDITIONAL COSTS INCLUDE ANY REDESIGN THAT IS REQUIRED DUE TO THE SUBSTITUTION.
- DO NOT SCALE DRAWINGS, THE DIMENSIONS SHOWN ON THE PLANS MAY VARY FROM THE ACTUAL DIMENSIONS IN THE FIELD. IT IS, THEREFORE, IMPERATIVE THAT THE CONTRACTOR, PRIOR TO COMMENCEMENT OF WORK, TAKE EXACT MEASUREMENTS TO VERIFY ALL DIMENSIONS SHOWN ON THE PLANS AND SHOP DRAWINGS. ALL WORKING DRAWINGS PREPARED BY THE CONTRACTOR SHALL INCLUDE A STATEMENT CERTIFYING THAT THOSE DRAWINGS HAVE BEEN PREPARED IN ACCORDANCE WITH THE FIELD MEASURED DIMENSIONS.
- THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY AND ALL DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THAT PORTION OF THE WORK. FAILURE TO NOTIFY THE ARCHITECT WILL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY TO COMPLY WITH THE DOCUMENTS. THE CONTRACTOR SHALL CORRECT ANY AND ALL WORK ARISING FROM SUCH FAILURE AND COORDINATE DISCREPANCIES WITH THE ARCHITECT'S REPRESENTATION OF THE ARCHITECT WITHOUT ADDITIONAL COST TO THE OWNER. RECOMMENDED BY MANUFACTURER.
- THE LOCATION FOR ALL ITEMS WHEN ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE DIAGRAMMATIC. THE EXACT LOCATIONS NECESSARY TO SECURE THE BEST CONDITIONS AND RESULTS MUST BE DETERMINED AT THE PROJECT AND SHALL HAVE THE APPROVAL OF THE OWNER'S REPRESENTATIVE BEFORE BEING INSTALLED. DO NOT SCALE DRAWINGS. THE CONTRACTOR SHALL FURNISH AND INSTALL, WITHOUT ADDITIONAL REMUNERATION, ANY COMPONENT NECESSARY TO COMPLETE THE SYSTEMS IN ACCORDANCE WITH THE BEST PRACTICE OF THE TRADE.
- DATA, COMMUNICATION, CABLE, AND SECURITY SYSTEMS ARE PROVIDED BY THE OWNERS VENDORS. HOWEVER THE ELECTRICAL CONTRACTOR SHALL PROVIDE APPROPRIATE WALL BOXES, CONDUIT WITH PULL STRINGS, ETC. AS REQUIRED FOR ROUGH-IN CONDITIONS. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE LOCATION OF THESE ITEMS WITH THE OWNER'S VENDORS. ADA COMPLIANCE SHALL APPLY.
- MECHANICAL, ELECTRICAL, AND PLUMBING, ARE SCHEMATIC IN NATURE. THEREFORE, IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE ROUTING OF THESE TRADES, AS WELL AS, THE OWNER'S WORK TO ASSURE THAT THESE SYSTEMS DO NOT CONFLICT WITH THE ARCHITECTURAL AND STRUCTURAL ELEMENTS OF THE BUILDING. IF THE GENERAL CONTRACTOR ROUTE THESE ITEMS TO AVOID A CONFLICT, THEN THEY SHALL NOTIFY THE ARCHITECT PRIOR TO STARTING ANY RELATED WORK.
- CONTRACTOR TO PROTECT ALL NEW WORK DURING CONSTRUCTION AND REPLACE DAMAGED MATERIAL IN KIND.
- ALL GYPSUM WALL BOARD TO BE TAPED AND SANDED AT INTERSECTION OF CONSTRUCTION (NO "J" MOLD)
- PROVIDE CORNER BEAD AT ALL EXPOSED GYPSUM WALL BOARD CORNERS.
- DOOR OPENINGS SHALL BE LOCATED 4" FROM THE NEAREST FACE OF WALL IN MASONRY WALL CONSTRUCTION, UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL PROVIDE ALL MATERIALS, FABRICATION, LABOR AND SUPERVISION, ERECTION EQUIPMENT AND APPLIANCES REQUIRED TO INSTALL ALL EQUIPMENT SHOWN ON DRAWINGS AS INDICATED IN THE SPECIFICATIONS.
- THE TERM "PROVIDE" SHALL MEAN "FURNISH AND INSTALL, INCLUDING ALL LABOR, EQUIPMENT, MATERIALS AND PRODUCTS," UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL COORDINATE HER/HIS WORK WITH THE OWNER SO THAT THERE IS NO INTERFERENCE WITH OWNER'S PERSONAL OR WORK SCHEDULE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE PERFORMANCE OF THE CONTRACT.

**SOUND INSULATION NOTES**

- ASSEMBLIES SHOULD BE AIRTIGHT. HAIRLINE CRACKS AND HOLES ARE NOT ALLOWED.
- RECESSED WALL FIXTURES SUCH AS CABINETS, OUTLETS, AND OTHER ITEMS WHICH PENETRATE THE GYPSUM BOARD SURFACE SHOULD NOT BE LOCATED BACK TO BACK IN THE SAME STUD CAVITY.
- ANY OPENINGS CUT FOR ANY FIXTURES SHALL BE CAREFULLY CUT TO SIZE, PROPERLY FASTENED, INSULATED PER WALL ASSEMBLY AND PROPERLY CAULKED.
- THE ENTIRE PERIMETER OF A SOUND INSULATING ASSEMBLY MUST BE MADE AIRTIGHT TO PREVENT SOUND FROM "FLANKING".
- AN ACOUSTICAL SEALANT SHOULD BE USED TO SEAL BETWEEN THE SOUND INSULATING ASSEMBLY AND ALL DISSIMILAR ASSEMBLIES AND BETWEEN THE ASSEMBLY AND SIMILAR SURFACES WHERE PERIMETER RELIEF IS REQUIRED. TAPING AND CAULKING OF GYPSUM BOARD WALL AND WALL-CEILING INTERSECTIONS PROVIDES AN ADEQUATE AIR SEAL AT THESE LOCATIONS.
- ALL SEALANTS IN RATED WALL LOCATIONS REFERENCED IN THE WALL TYPE DETAILS SHALL BE SELECTED AND INSTALLED IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF THE UNDERWRITERS LABORATORIES, INC FIRE RESISTANCE DIRECTORY. IN ADDITION TO FIRE RESISTANCE, WALL LOCATIONS CALLED OUT WITH REQUIRED ACOUSTICAL VALUE, AS NOTED IN WALL SCHEDULE, SHALL HAVE SEALANTS THAT MAINTAIN THE MINIMUM SOUNDS VALUE OF THE WALL PARTITION.
- ASTM RECOMMENDED PRACTICES E-497 SHOULD BE FOLLOWED FOR GOOD SOUND CONTROL. ALSO CONSULT THE MANUFACTURER OF THE GYPSUM BOARD FOR ANY SPECIAL RECOMMENDATIONS RELATING TO THEIR SYSTEM.

**SPECIAL INSPECTION NOTES**

- SPECIAL INSPECTIONS SHALL OCCUR PER NEW YORK STATE BUILDING CODE 2010 SECTION 1704. THE OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTIONS DURING CONSTRUCTION. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE TO THE SATISFACTION OF THE CODE ENFORCEMENT OFFICIAL, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.
- THE QUALIFICATIONS OF ALL PERSONNEL PERFORMING SPECIAL INSPECTION ACTIVITIES ARE SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL. THE CREDENTIALS OF ALL INSPECTORS AND TESTING TECHNICIANS SHALL BE PROVIDED IF REQUESTED.
- THE INSPECTION AND TESTING AGENT SHALL BE ENGAGED BY THE OWNER OR THE OWNER'S AGENT, AND NOT BY THE CONTRACTOR OR SUBCONTRACTOR WHOSE WORK IS TO BE INSPECTED OR TESTED. ANY CONFLICT OF INTEREST MUST BE DISCLOSED TO THE BUILDING OFFICIAL, PRIOR TO COMMENCING WORK.
- THE PERMIT APPLICANT SHALL SUBMIT A STATEMENT OF SPECIAL INSPECTIONS PREPARED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE IN ACCORDANCE WITH SECTION 106.1 AS A CONDITION FOR PERMIT ISSUANCE. THIS STATEMENT SHALL INCLUDE A COMPLETE LIST OF MATERIALS AND WORK REQUIRING SPECIAL INSPECTIONS BY THIS SECTION, THE INSPECTIONS TO BE PERFORMED AND A LIST OF THE INDIVIDUALS, APPROVED AGENCIES OR FIRMS INTENDED TO BE RETAINED FOR CONDUCTING SUCH INSPECTIONS.
- THE SPECIAL INSPECTOR SHALL KEEP RECORDS OF ALL INSPECTIONS AND SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, STRUCTURAL ENGINEER AND ARCHITECT OF RECORD. DISCOVERED DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF SUCH DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL, STRUCTURAL ENGINEER AND ARCHITECT OF RECORD. THE SPECIAL INSPECTION PROGRAM DOES NOT RELIEVE THE CONTRACTOR OF HIS OR HER RESPONSIBILITIES.

**GENERAL WALL NOTES**

- SEE SPECIFICATIONS FOR APPLICATIONS OF GYPSUM PRODUCTS, UNLESS NOTED ON DRAWINGS. REFER TO SPECIFICATIONS FOR SPECIAL APPLICATIONS, TILE BACKER BOARDS, ETC.)
- REFER TO THE LATEST EDITION OF UNDERWRITERS LABORATORIES, INC. FIRE RESISTANCE DIRECTORY FOR ADDITIONAL REQUIREMENTS ON UL RATED ASSEMBLIES AS NOTED IN THE PARTITION DETAILS
- USE ONLY PARTITIONS IDENTIFIED ON THE PLANS.
- STC = SOUND TRANSMISSION CLASS - REFER TO THE WALL SCHEDULE IN PLAN FOR WALLS THAT ARE SOUND RATED.
- ALL SEALANTS IN RATED WALL LOCATIONS REFERENCED IN THE WALL TYPE DETAILS SHALL BE SELECTED AND INSTALLED IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF THE UNDERWRITERS LABORATORIES, INC FIRE RESISTANCE DIRECTORY. IN ADDITION TO FIRE RESISTANCE, WALL LOCATIONS CALLED OUT WITH REQUIRED ACOUSTICAL VALUE, AS NOTED IN WALL SCHEDULE, SHALL HAVE SEALANTS THAT MAINTAIN THE MINIMUM SOUNDS VALUE OF THE WALL PARTITION.

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PROJ. ARCH. \_\_\_\_\_ DRAFTER \_\_\_\_\_  
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**West Herr  
Toyota  
Body Shop  
Addition**  
8129 Main Street,  
Clarence, NY

ISSUE:  
2018-11-26 ISSUED FOR BID

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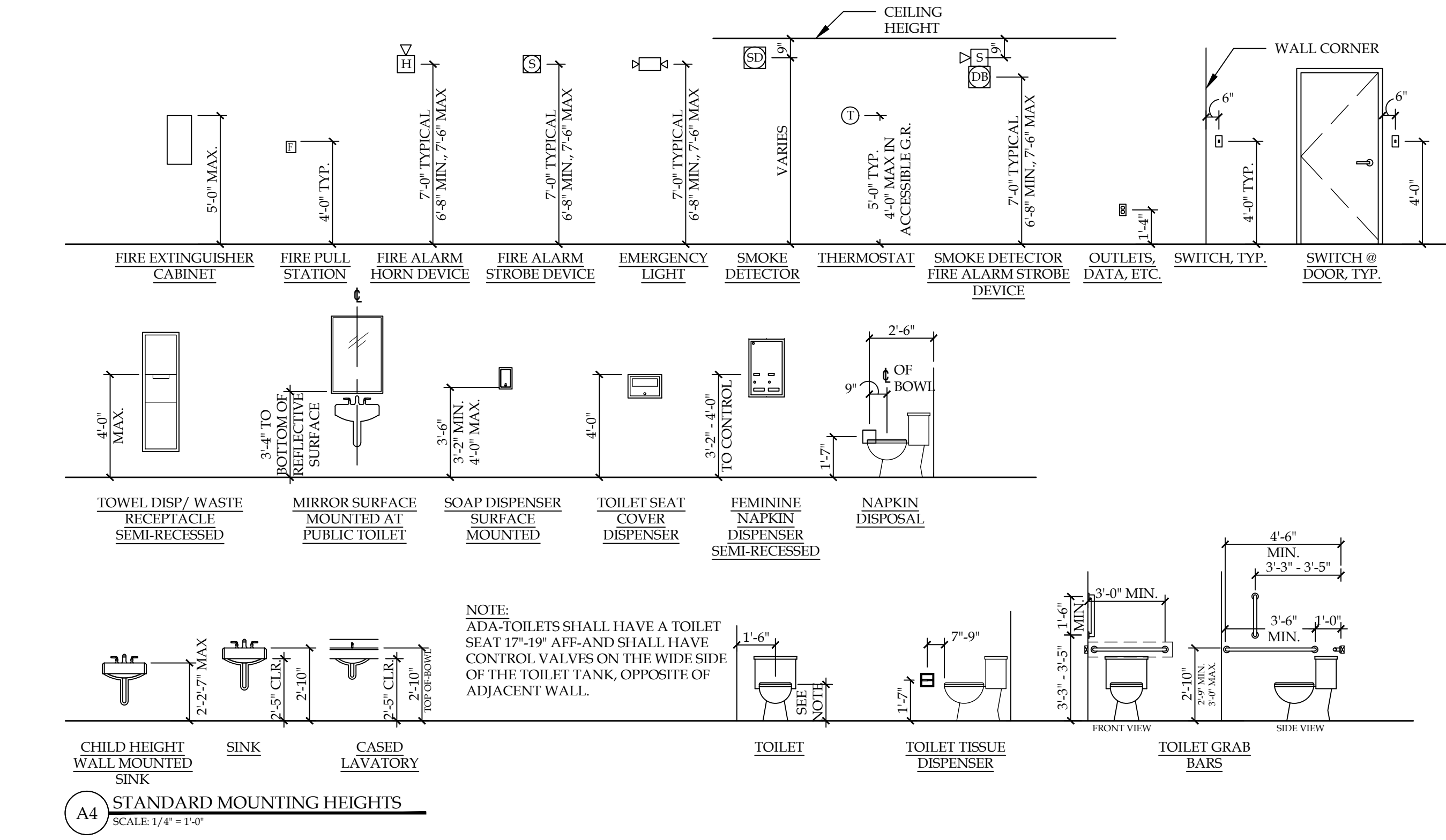
TITLE:  
**GENERAL NOTES  
AND STANDARD  
MOUNTING  
HEIGHTS**



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DRAWING #: **A-001**







608.1 General. Accessible shower compartments shall comply with Section 608.1. 608.2 Size, clearance and seat. Shower compartments shall have sizes, clearances and seats complying with Section 608.2.

608.3 Grab Bars. Grab bars shall comply with Section 609 and shall be provided in accordance with Section 608.3. 608.4 Controls and Hand Showers. Controls and hand showers shall comply with Sections 608.4 and 309.4.

609 Grab Bars 609.1 General. Grab bars in accessible toilet or bathing facilities shall comply with Section 609.

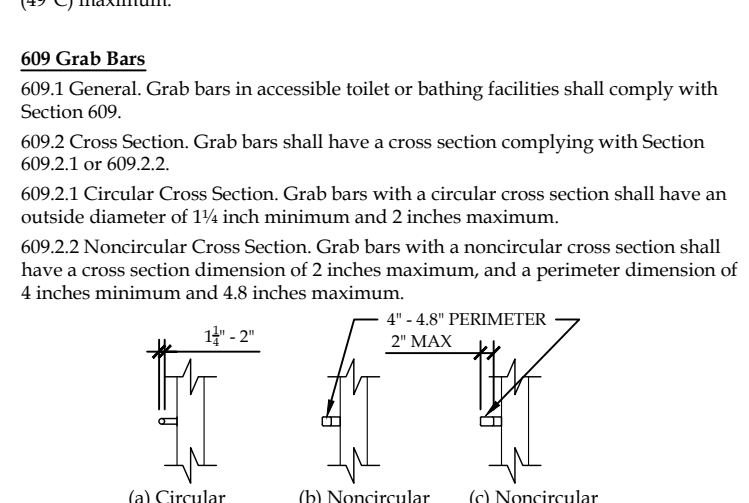


FIG. 609.2 SIZE OF GRAB BARS

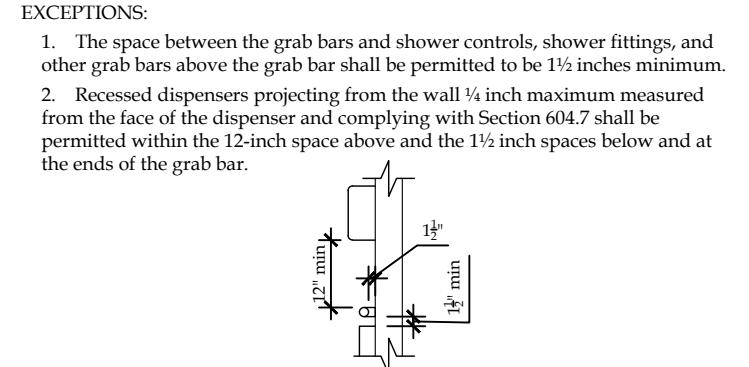


FIG. 609.3 SPACING OF GRAB BARS

609.4 Position of Grab Bars 609.4.1 General. Grab bars shall be installed in a horizontal position, 33 inches minimum and 36 inches maximum above the floor measured to the top of the gripping surface or shall be installed as required by Items 1 through 3.

1. Vertical grab bars shall comply with Sections 604.5.1, 607.4.1.2.2, 607.4.2.2 and 608.3.1.2.

610 Seats 610.1 General. Seats in accessible bathtubs and shower compartments shall comply with Section 610.

610.3 Shower Compartment Seats. The height of shower compartment seats shall be 17 inches minimum and 19 inches maximum above the bathroom floor.

610.5 Visual Characters. 610.5.1 General. Visual characters shall comply with the following: 1. Visual characters that also serve as raised characters shall comply with Section 703.3, or

Table with 3 columns: Height above Floor to Baseline of Character, Horizontal Viewing Distance, and Minimum Character Height. It defines requirements for raised characters of different heights and viewing distances.

610.5.2 Character Height. The uppercase letter "O" shall be used to determine the allowable width of all characters of a font.

610.5.6 Character Width. The uppercase letter "O" shall be used to determine the allowable width of all characters of a font.

703.9 Line Spacing. Spacing between the baselines of separate lines of raised characters within a message shall be 135 percent minimum and 170 percent maximum of the raised character height.

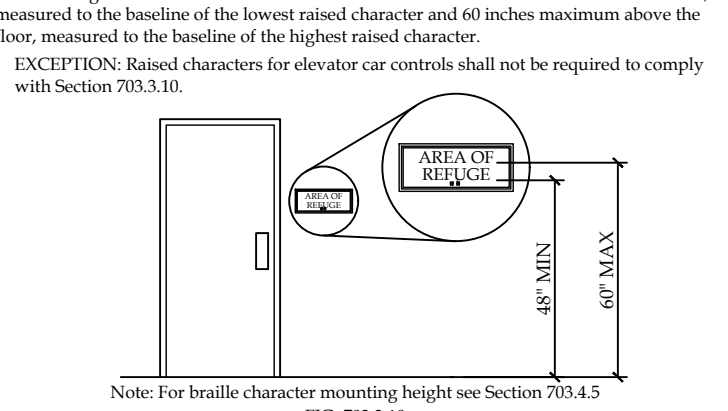


FIG. 703.3.10

703.3.11 Location of Signs at Doors. 703.3.12 Finish and Contrast. Characters and their background shall have a non-glare finish.

703.4 Braille 703.4.1 General. Braille shall be contracted (Grade 2) braille and shall comply with Section 703.4.

Table 703.4.3 BRAILLE MEASUREMENT. Measurement Range, Minimum in inches, Maximum in inches.

703.4.4 Position. Braille shall be below the corresponding text. If text is multilined, braille shall be placed below entire text.

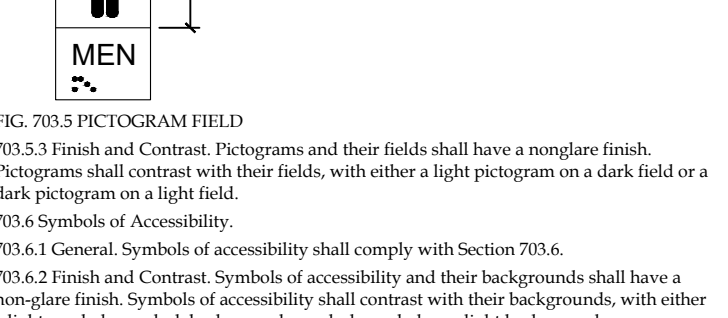


FIG. 703.5.5

703.5.3 Finish and Contrast. Pictograms and their fields shall have a nonglare finish. Pictograms shall contrast with their fields, with either a light pictogram on a dark field or a dark pictogram on a light field.



FIG. 703.6.3.1, FIG. 703.6.3.3, FIG. 703.6.3.2

703.6.3.3 International Symbol of Accessibility. The International Symbol of Accessibility shall comply with Figure 703.6.3.1.

703.6.3.4 Volume-Controlled Telephones. Telephones with volume controls shall be identified by a pictogram of a telephone handset with radiating sound waves on a square field.

703.6.3.5 Symbols of Accessibility. 703.6.3.6 Character Width. The uppercase letter "O" shall be used to determine the allowable width of all characters of a font.

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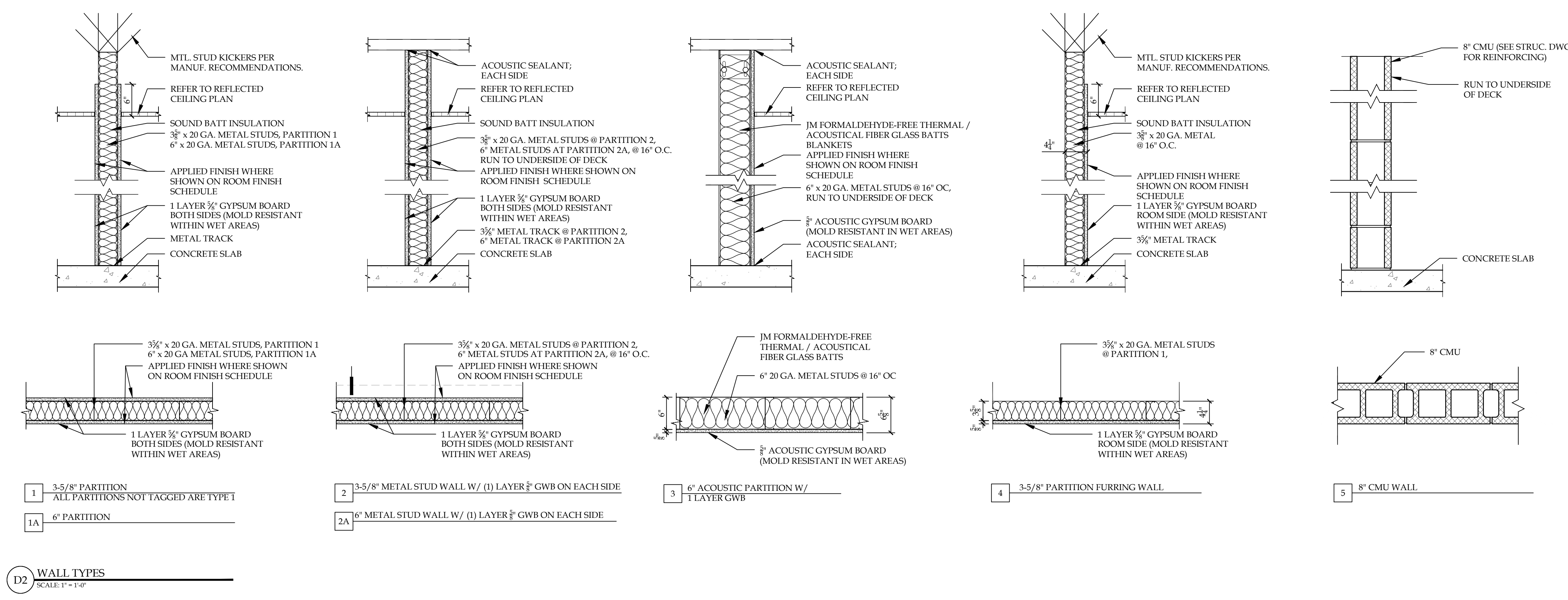
TITLE: ACCESSIBILITY REQUIREMENTS 2 OF 2

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E  
D  
C  
B  
A



**D2 WALL TYPES**  
SCALE: 1" = 1'-0"

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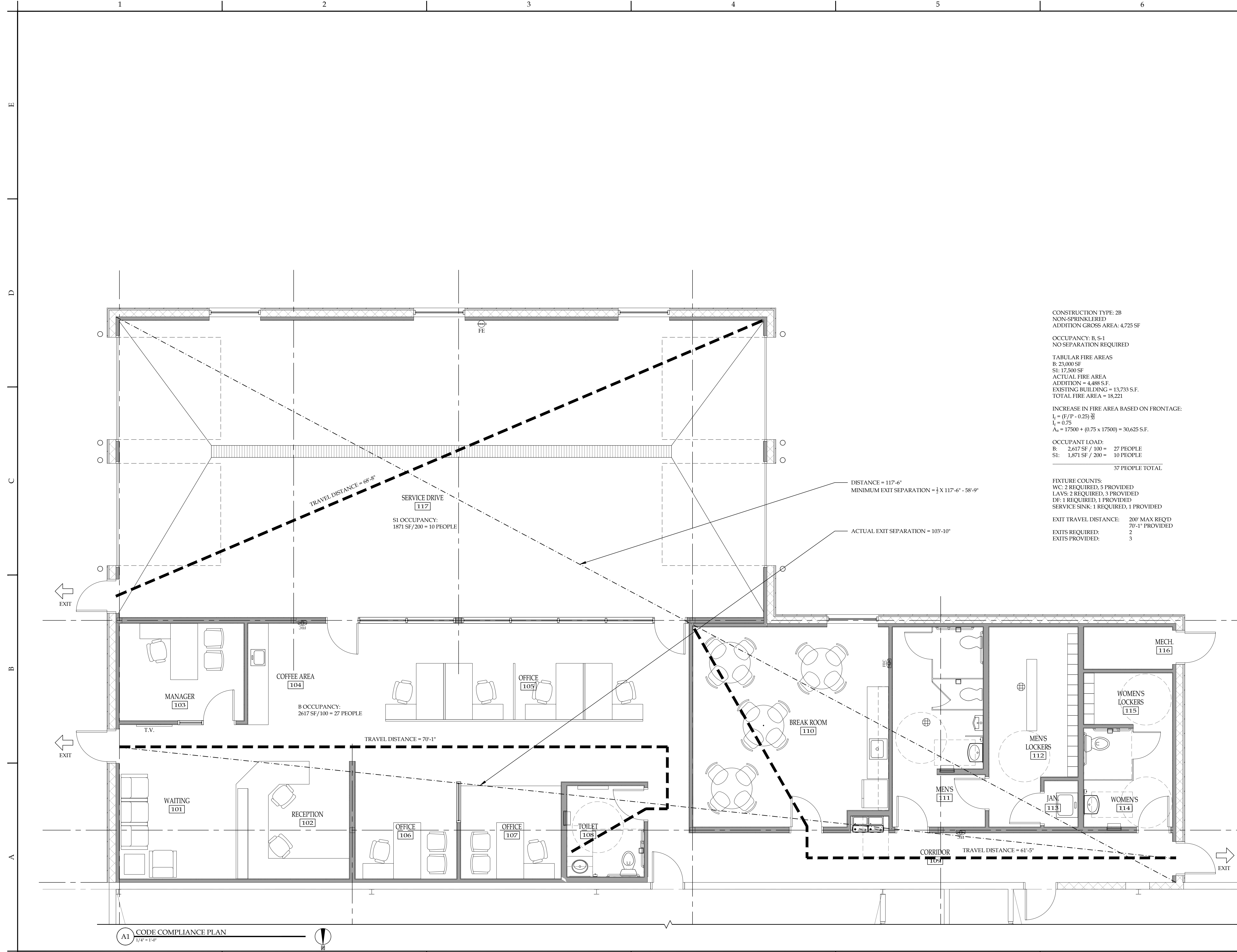
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**PARTITION  
TYPES**



SA JOB #: 08029.10 DATE: 11-26-18

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CONSTRUCTION TYPE: 2B  
 NON-SPRINKLERED  
 ADDITION GROSS AREA: 4,725 SF

OCCUPANCY: B, S-1  
 NO SEPARATION REQUIRED

TABULAR FIRE AREAS  
 B: 23,000 SF  
 SI: 17,500 SF  
 ACTUAL FIRE AREA  
 ADDITION = 4,488 S.F.  
 EXISTING BUILDING = 13,733 S.F.  
 TOTAL FIRE AREA = 18,221

INCREASE IN FIRE AREA BASED ON FRONTAGE:  
 $I_a = (F/P - 0.25) \frac{A_a}{3}$   
 $I_a = 0.75$   
 $A_a = 17500 + (0.75 \times 17500) = 30,625$  S.F.

OCCUPANT LOAD:  
 B: 2,617 SF / 100 = 27 PEOPLE  
 SI: 1,871 SF / 200 = 10 PEOPLE

37 PEOPLE TOTAL

FIXTURE COUNTS:  
 WC: 2 REQUIRED, 5 PROVIDED  
 LAVS: 2 REQUIRED, 3 PROVIDED  
 DF: 1 REQUIRED, 1 PROVIDED  
 SERVICE SINK: 1 REQUIRED, 1 PROVIDED

EXIT TRAVEL DISTANCE: 200' MAX REQ'D  
 70'-1" PROVIDED

EXITS REQUIRED: 2  
 EXITS PROVIDED: 3

DISTANCE = 117'-6"  
 MINIMUM EXIT SEPARATION =  $\frac{1}{2} \times 117'-6" - 58'-9"$

ACTUAL EXIT SEPARATION = 103'-10"

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SEAL:

TITLE:  
**CODE  
 COMPLIANCE  
 PLAN**

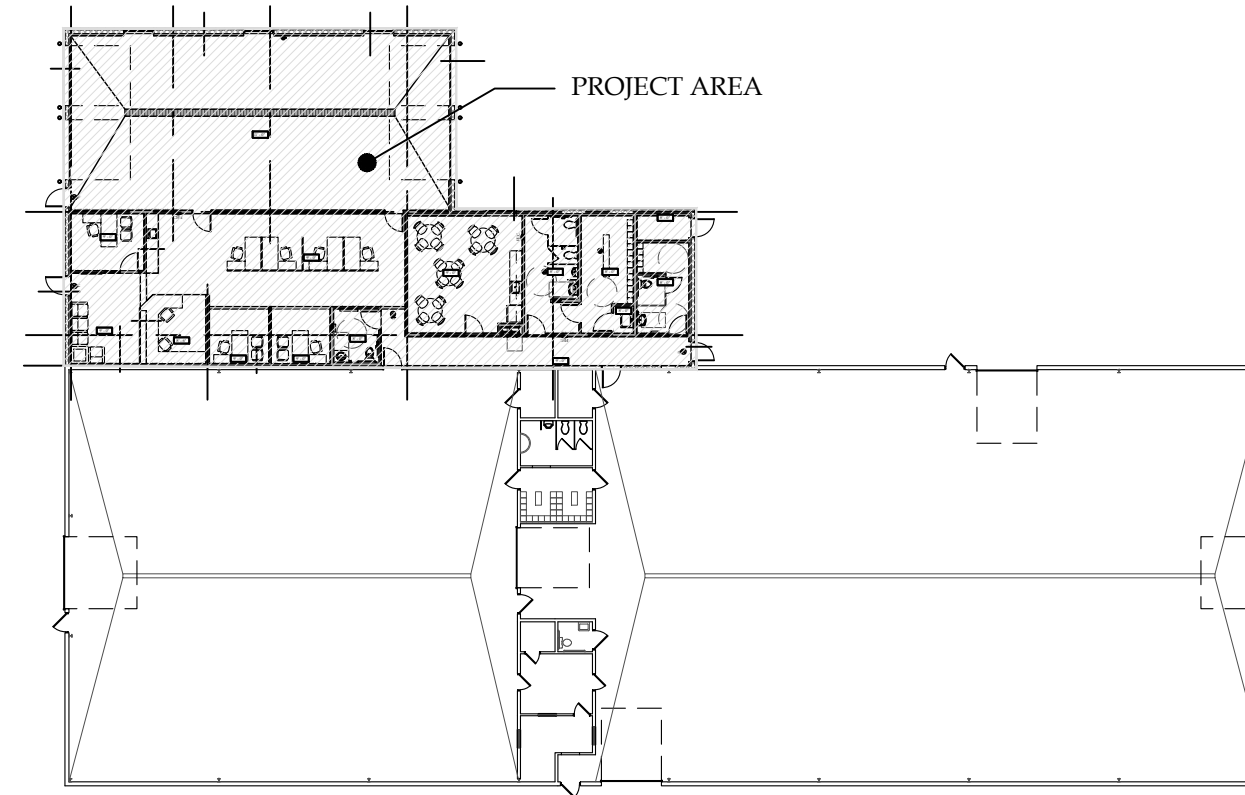
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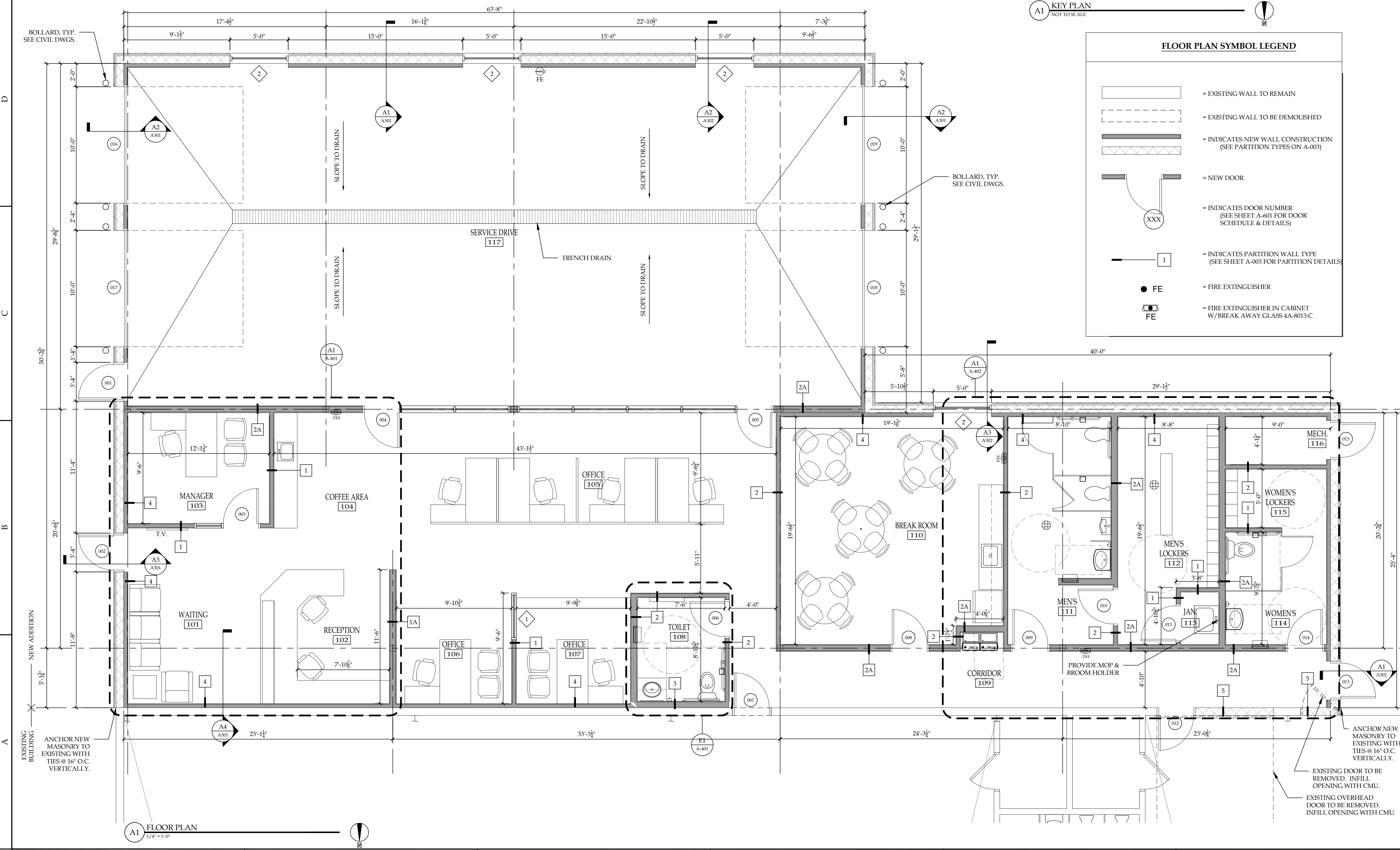
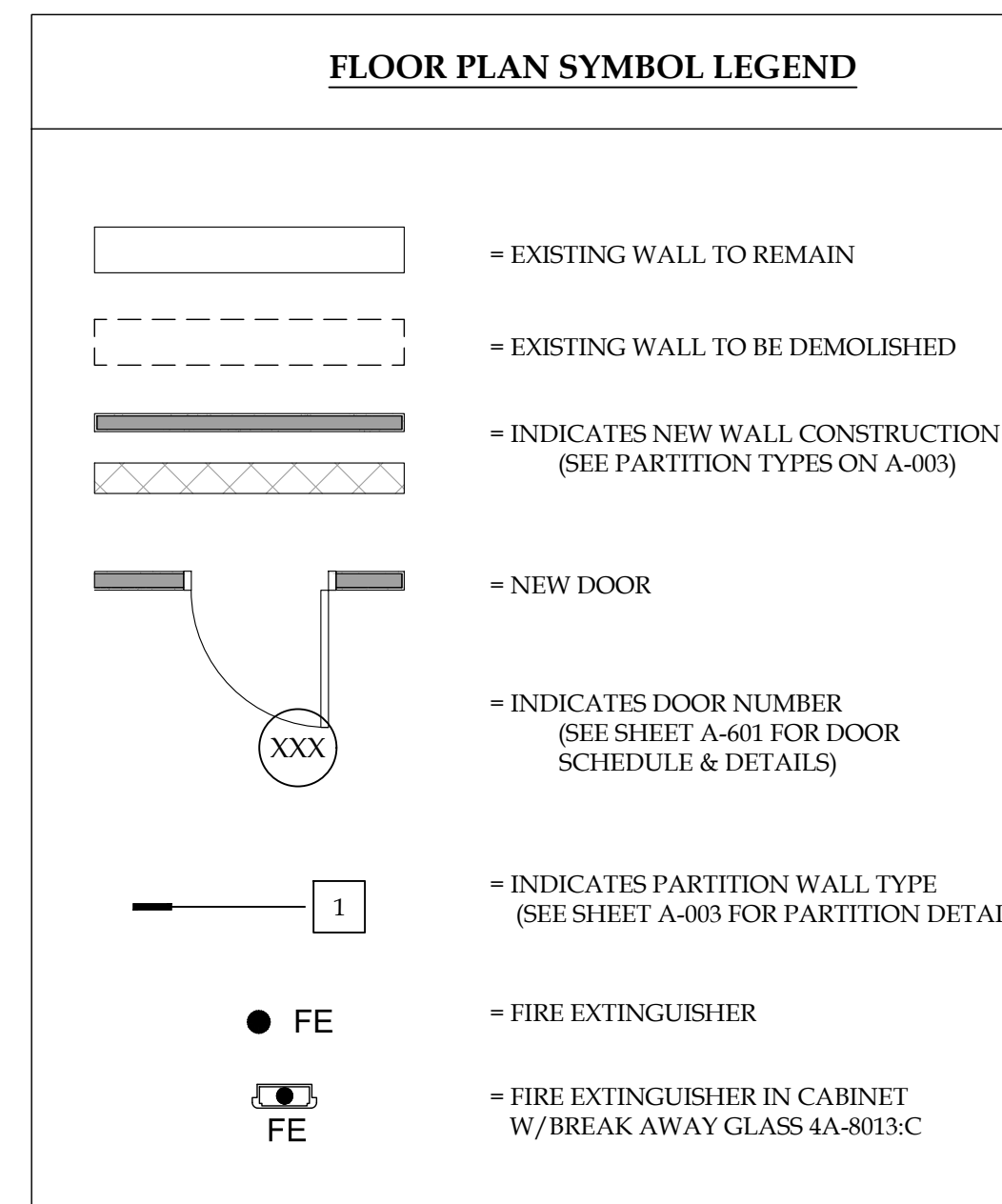
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**GENERAL NOTES:**

- ALL INTERIOR DIMENSIONS ARE TAKEN FINISH TO FINISH UNLESS NOTED OTHERWISE.
- PROVIDE MOISTURE & MOLD RESISTANT GYP. BD. AT ALL WET LOCATIONS.
- RECESSED WALL FIXTURE SUCH AS CABINETS, OUTLETS, AND OTHER ITEMS WHICH PENETRATE THE GYPSUM BOARD SURFACE SHOULD NOT BE LOCATED BACK TO BACK IN THE SAME STUD CAVITY.
- ANY OPENINGS CUT FOR ANY FIXTURES SHALL BE CAREFULLY CUT TO SIZE, PROPERLY FASTENED, INSULATED PER WALL ASSEMBLY AND PROPERLY CAULKED.
- ALL SURFACE MOUNTED CONDUIT SHALL BE PAINTED TO MATCH THE WALL PAINT.
- ALL PENETRATIONS THROUGH THE PARTITION SHALL BE SEALED ALL AROUND ON BOTH SIDES OF WALL TO ELIMINATE GAPS BETWEEN THE PENETRATION AND WALL. ALL CABLE/WIRE PENETRATIONS SHALL PENETRATE THE WALL W/ SLEEVE.
- PARTITIONS SHALL BE SEALED CONTINUOUSLY WITH AN ACOUSTICAL SEALANT WHEREVER IT ABUTS ANOTHER ELEMENT (I.E. WALL, COLUMN, FLOOR OR CEILING SLAB, OR MULLION.)
- ALL MECHANICAL, PLUMBING & ELECTRICAL WORK SHALL BE DESIGN BUILD. COORDINATE WITH GENERAL CONTRACTOR.



A1 KEY PLAN  
NOT TO SCALE



A1 FLOOR PLAN  
1/4" = 1'-0"

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# West Herr Toyota Body Shop Addition

8129 Main Street, Clarence, NY

ISSUE: 2018-11-26 ISSUED FOR BID

SA PROJECT TEAM: PRINCIPAL P. Silvestri  
 PROJ. ARCH. \_\_\_\_\_ DRAFTER \_\_\_\_\_  
 JOB CAPT. \_\_\_\_\_ INTERIORS \_\_\_\_\_

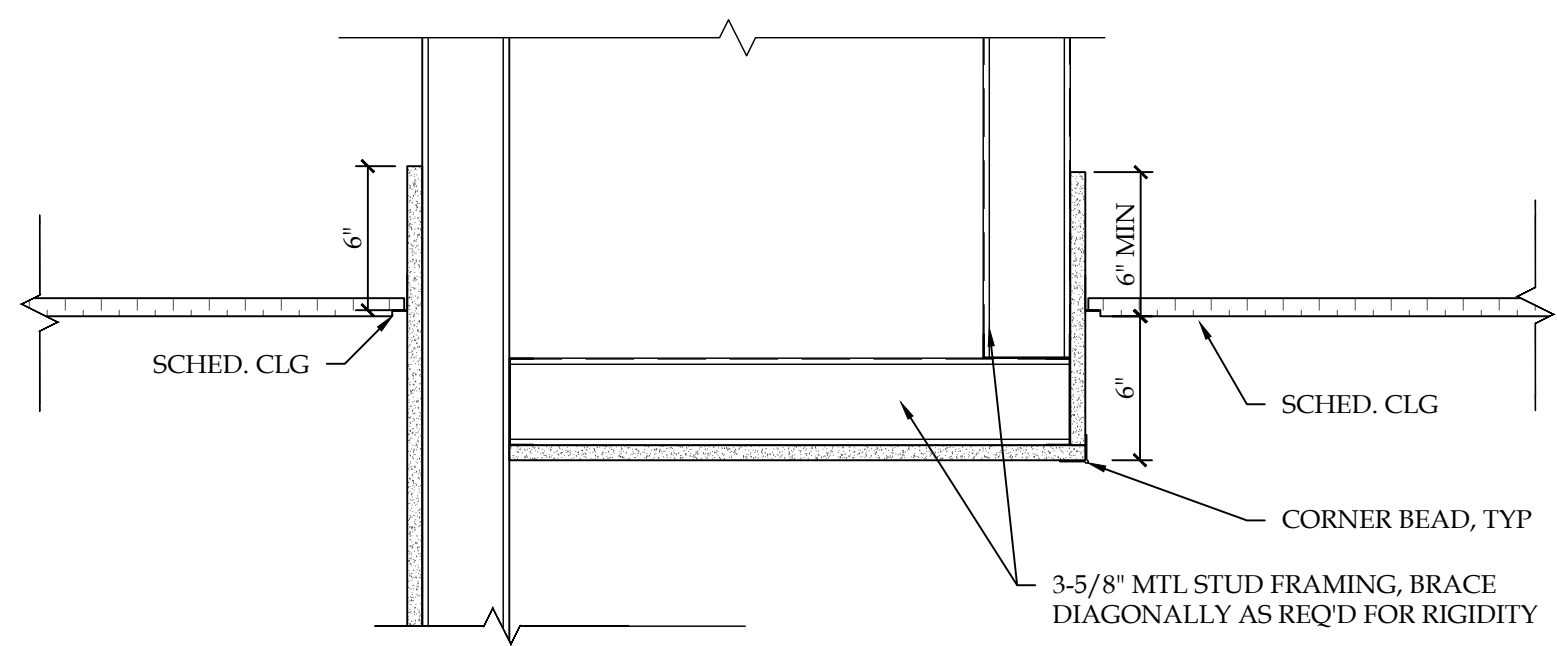
TITLE:

## FLOOR PLAN

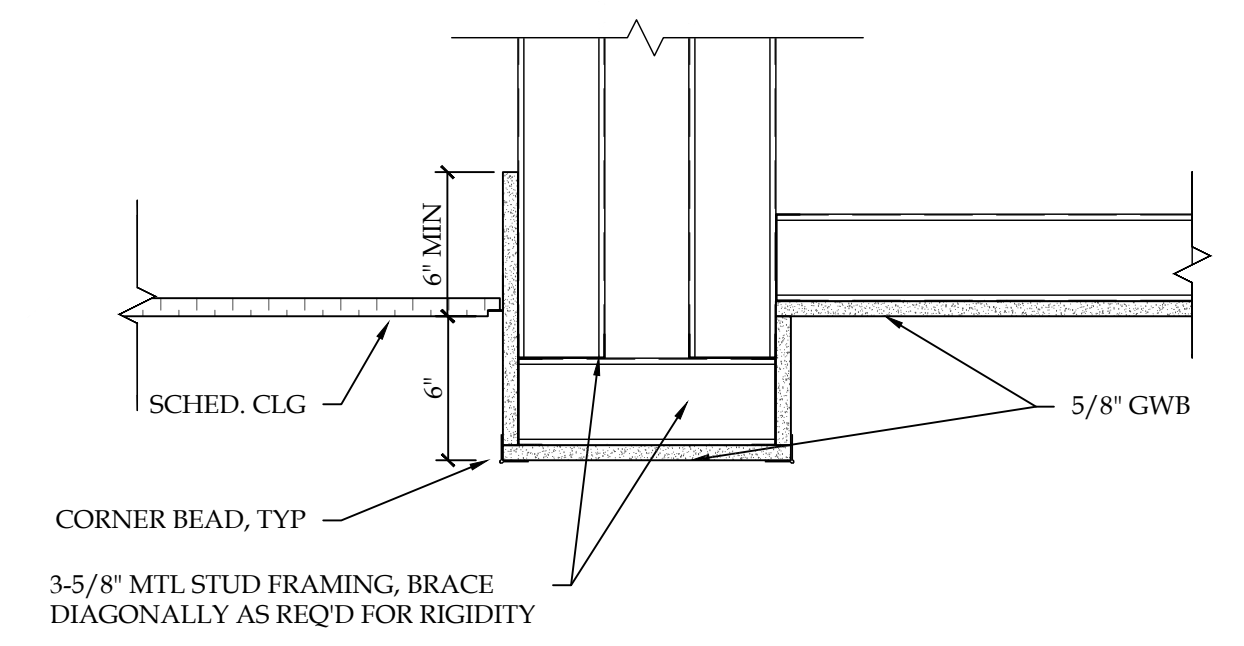
**SILVESTRI ARCHITECTS · PC**  
 1321 MILLERSPORT HWY PH. 716.691.0900  
 AMHERST, NY 14221 FAX 716.691.4773

SA JOB #: 08029.10 DATE: 11-26-18

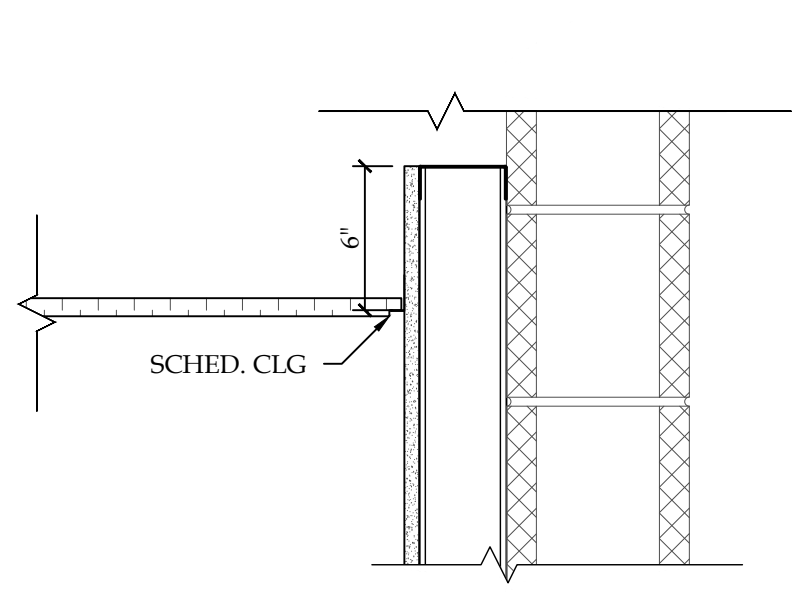
DRAWING #: A-101



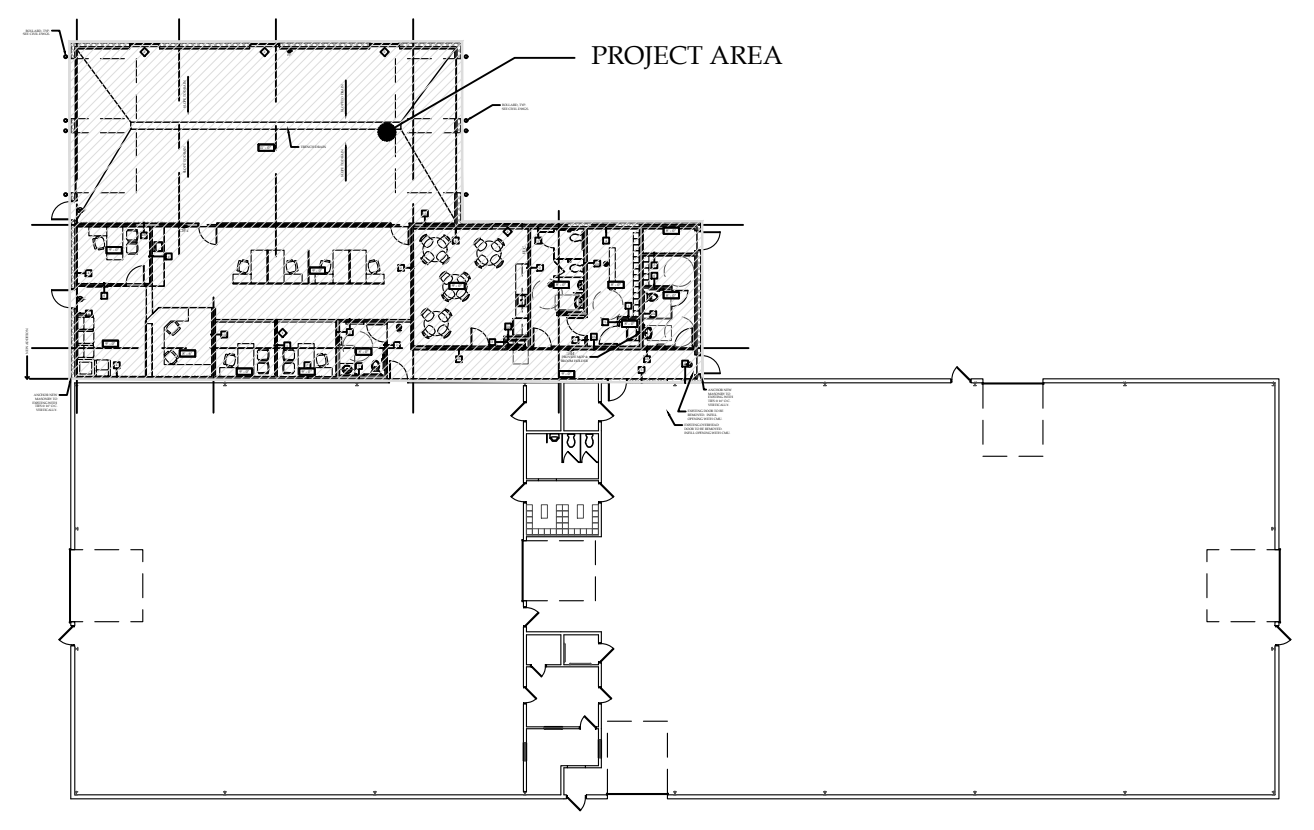
E1 SOFFIT DETAIL  
SCALE: 1/2" = 1'-0"



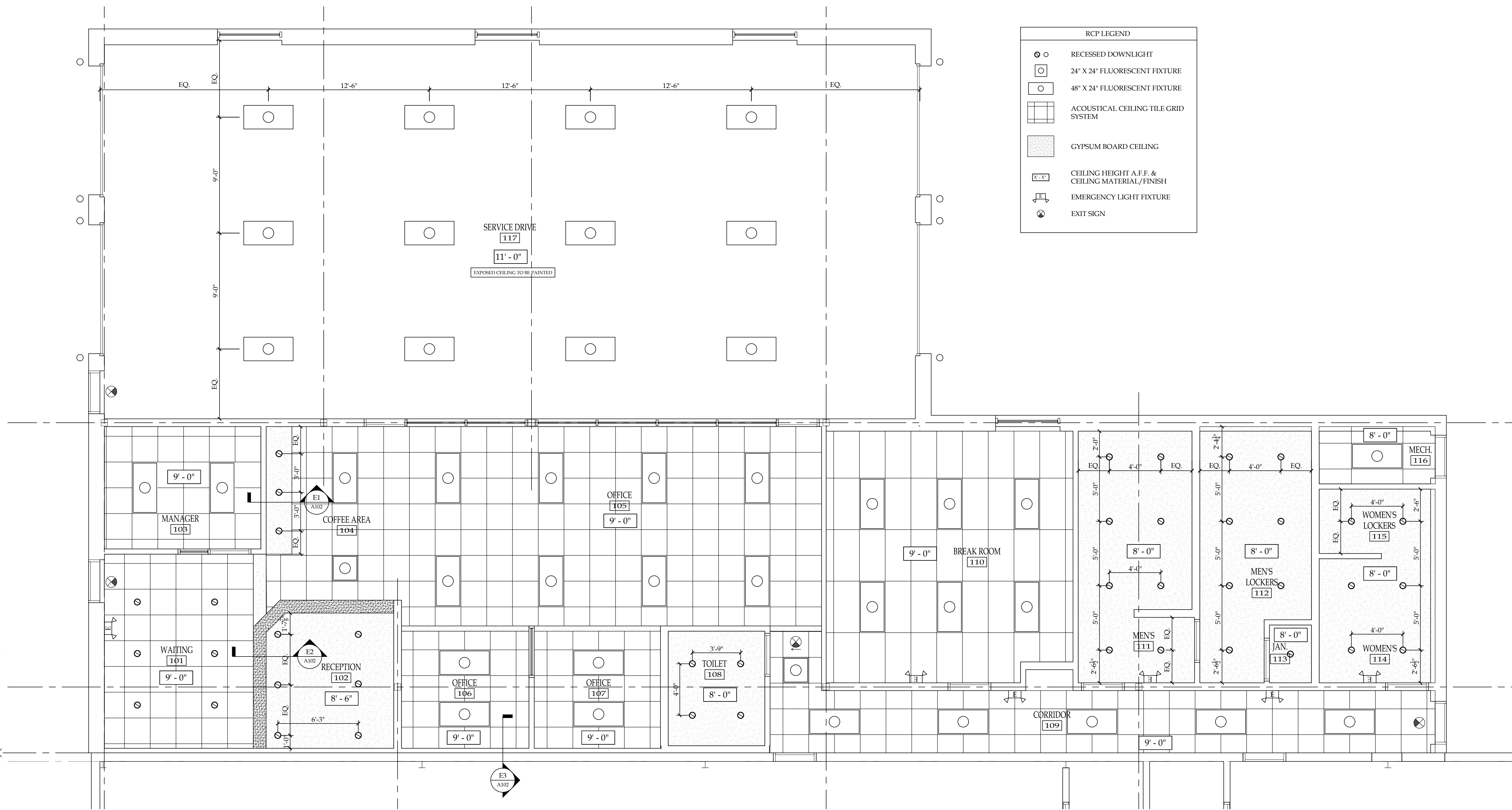
E2 SOFFIT DETAIL  
SCALE: 1/2" = 1'-0"



E3 SOFFIT DETAIL  
SCALE: 1/2" = 1'-0"



A1 KEY PLAN  
NOT TO SCALE



RCP LEGEND

- ○ RECESSED DOWNLIGHT
- 24" X 24" FLUORESCENT FIXTURE
- 48" X 24" FLUORESCENT FIXTURE
- ACUSTICAL CEILING TILE GRID SYSTEM
- GYPSUM BOARD CEILING
- X' CEILING HEIGHT A.F.F. & CEILING MATERIAL/FINISH
- ⚡ EMERGENCY LIGHT FIXTURE
- ⊗ EXIT SIGN

A1 REFLECTED CEILING PLAN  
1/4" = 1'-0"

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**West Herr  
Toyota  
Body Shop  
Addition**  
8129 Main Street,  
Clarence, NY

ISSUE:  
2018-11-26 ISSUED FOR BID

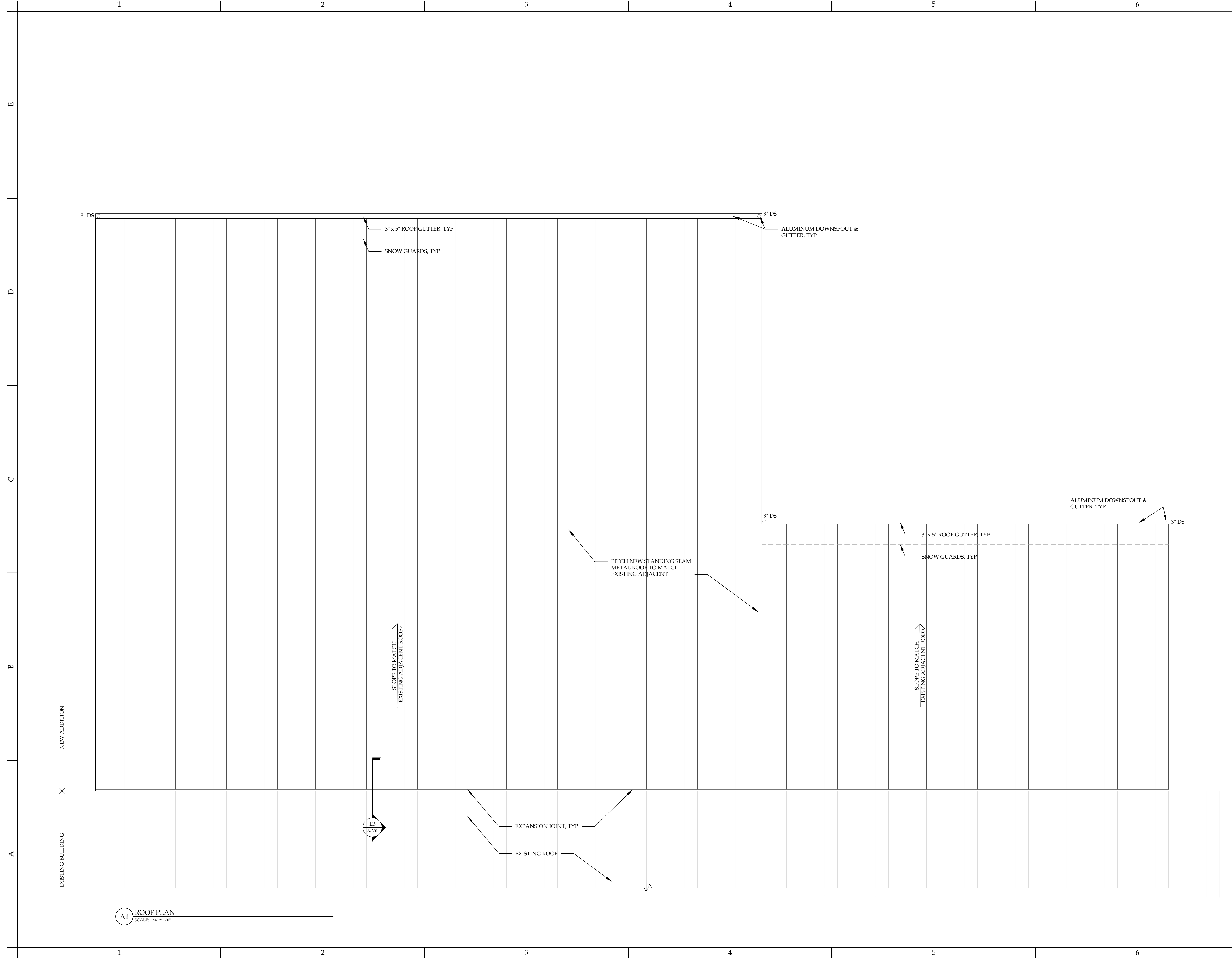
SA PROJECT TEAM: PRINCIPAL P. Silvestri  
PROJ. ARCH. \_\_\_\_\_ DRAFTER \_\_\_\_\_  
JOB CAPT. \_\_\_\_\_ INTERIORS \_\_\_\_\_

TITLE:  
**REFLECTED  
CEILING  
PLAN**

**SILVESTRI  
ARCHITECTS · PC**  
1321 MILLERSPORT HWY PH. 716.691.0900  
AMHERST, NY 14221 FAX 716.691.4773

SA JOB #: 08029.10 DATE: 11-26-18

DRAWING #: **A-102**



A1 ROOF PLAN  
SCALE: 1/4" = 1'-0"

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ISSUE:  
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SA PROJECT TEAM: PRINCIPAL P. Silvestri  
 PROJ. ARCH. \_\_\_\_\_ DRAFTER \_\_\_\_\_  
 JOB CAPT. \_\_\_\_\_ INTERIORS \_\_\_\_\_

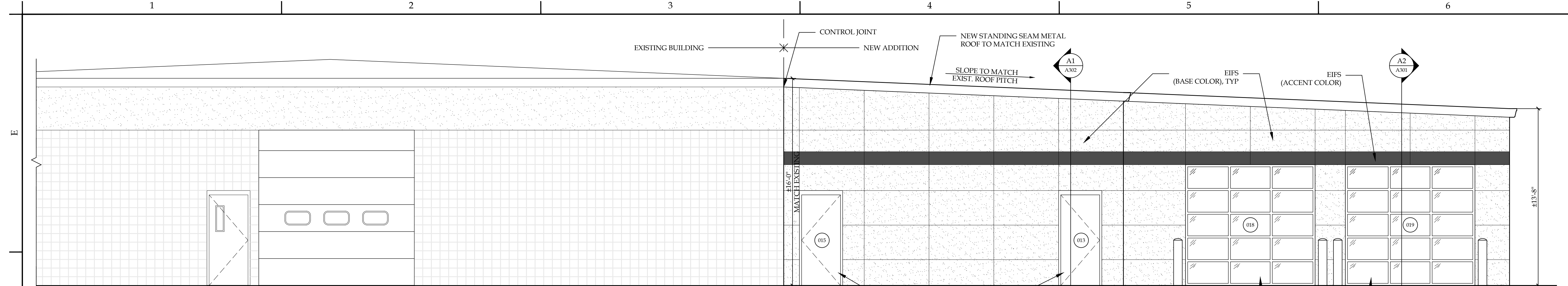
SEAL:

TITLE:  
 ROOF PLAN

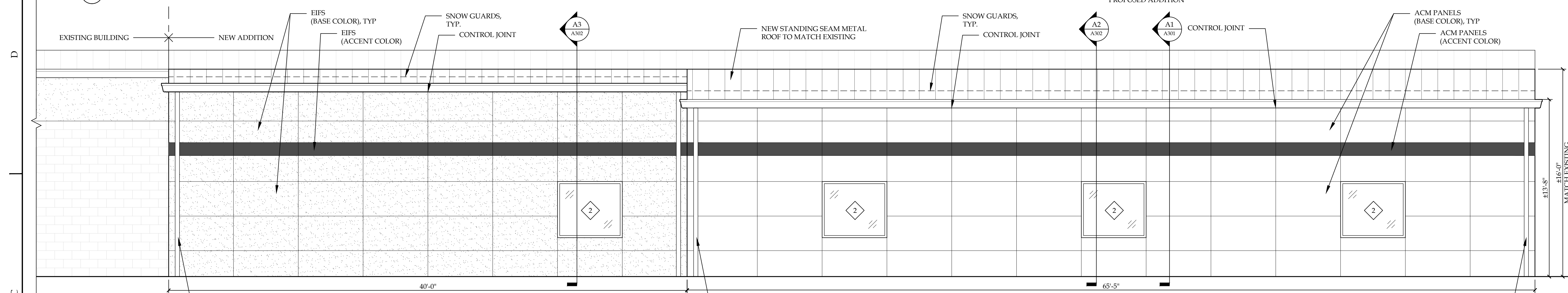


SA JOB #: 08029.10 DATE: 11-26-18

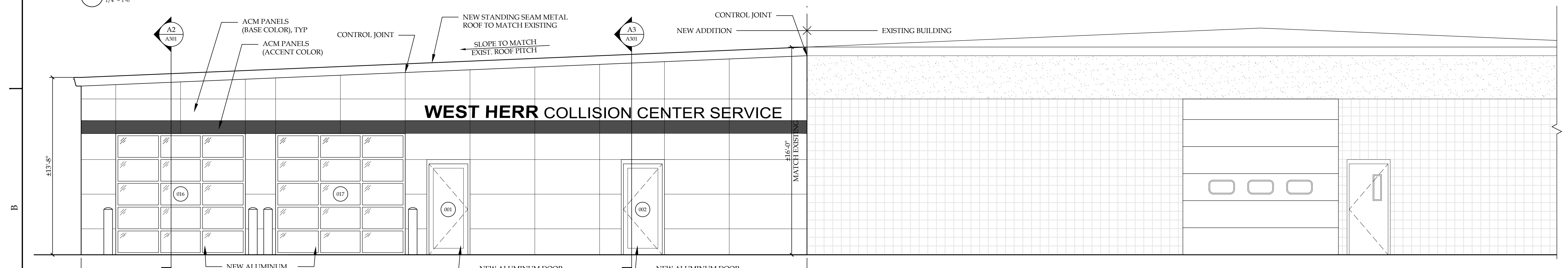
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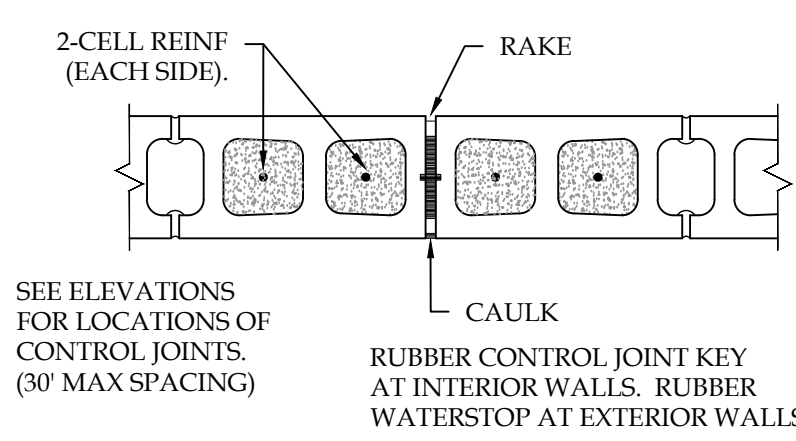
E1 WEST ELEVATION  
1/4" = 1'-0"



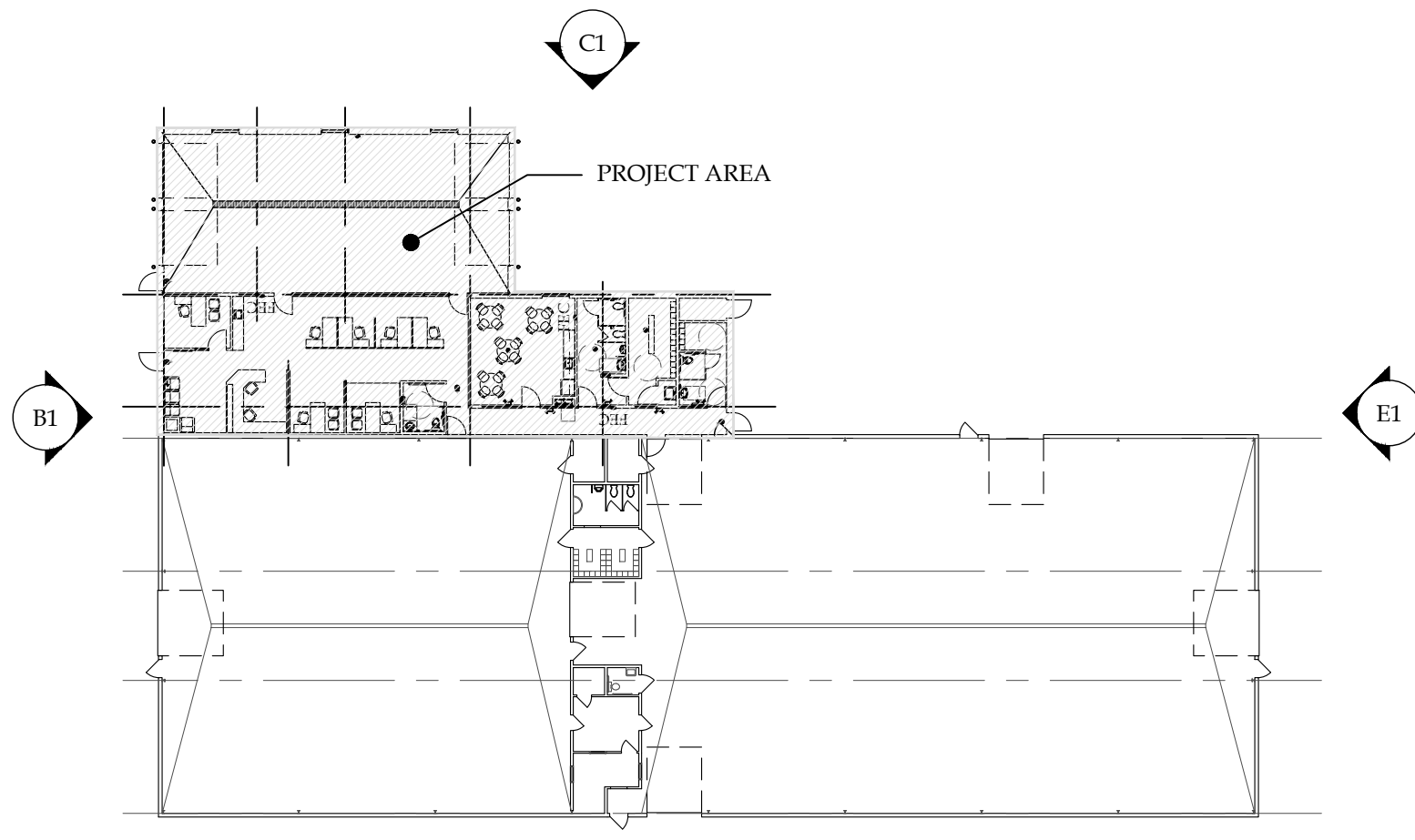
C1 SOUTH ELEVATION  
1/4" = 1'-0"



B1 EAST ELEVATION  
1/4" = 1'-0"



A4 MASONRY CONTROL JOINT DETAIL  
SCALE: NTS



A5 KEY PLAN  
NTS

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SA PROJECT TEAM: PRINCIPAL P. Silvestri  
PROJ. ARCH. \_\_\_\_\_ DRAFTER \_\_\_\_\_  
JOB CAPT. \_\_\_\_\_ INTERIORS \_\_\_\_\_

SEAL:

TITLE:  
**EXTERIOR  
ELEVATIONS**

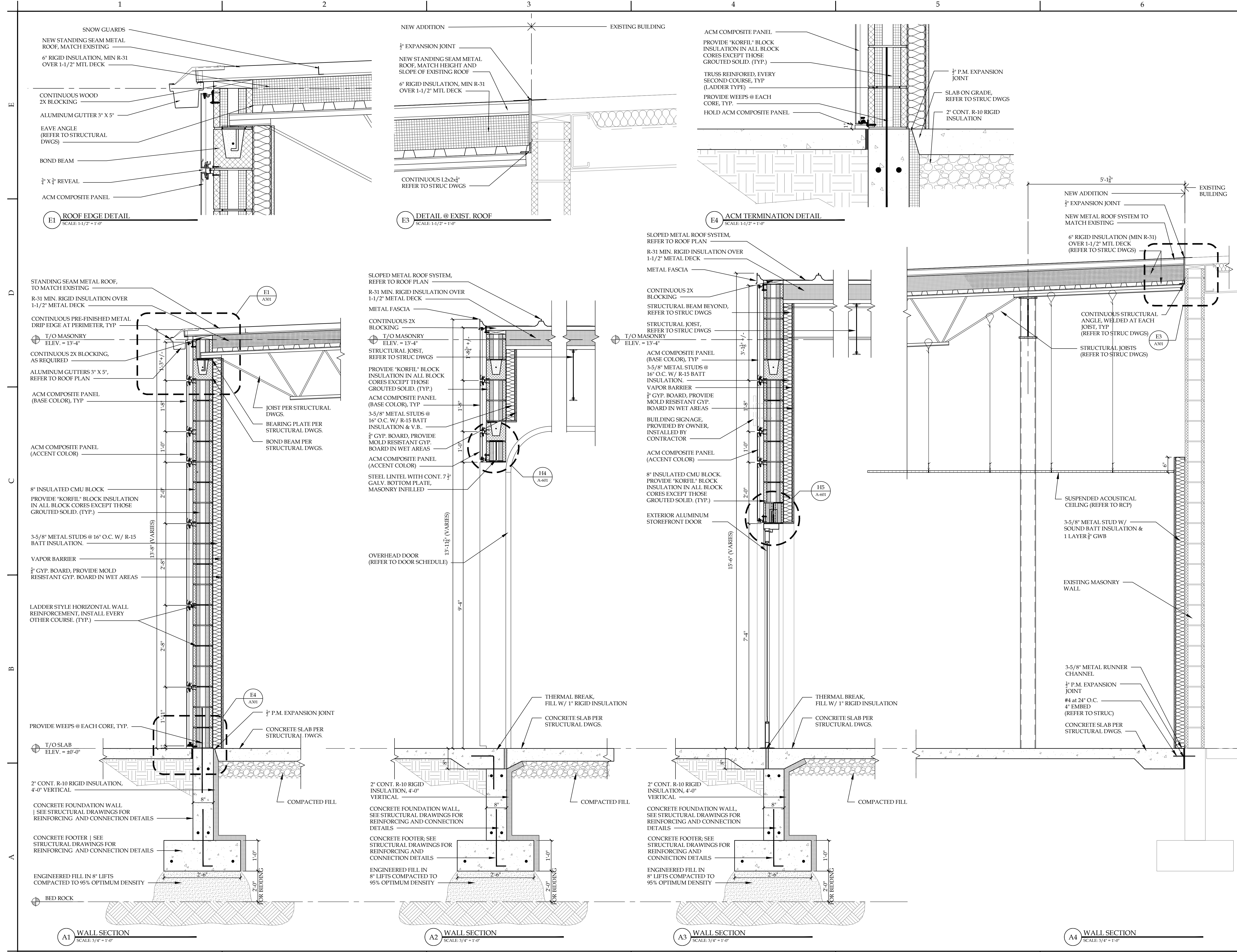


**SILVESTRI  
ARCHITECTS - PC**

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SA JOB #: 08029.10 DATE: 11-26-18

DRAWING #: **A-201**



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 8129 Main Street, Clarence, NY

ISSUE:  
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SA PROJECT TEAM: PRINCIPAL P. Silvestri  
 PROJ. ARCH. \_\_\_\_\_ DRAFTER \_\_\_\_\_  
 JOB CAPT. \_\_\_\_\_ INTERIORS \_\_\_\_\_

SEAL:

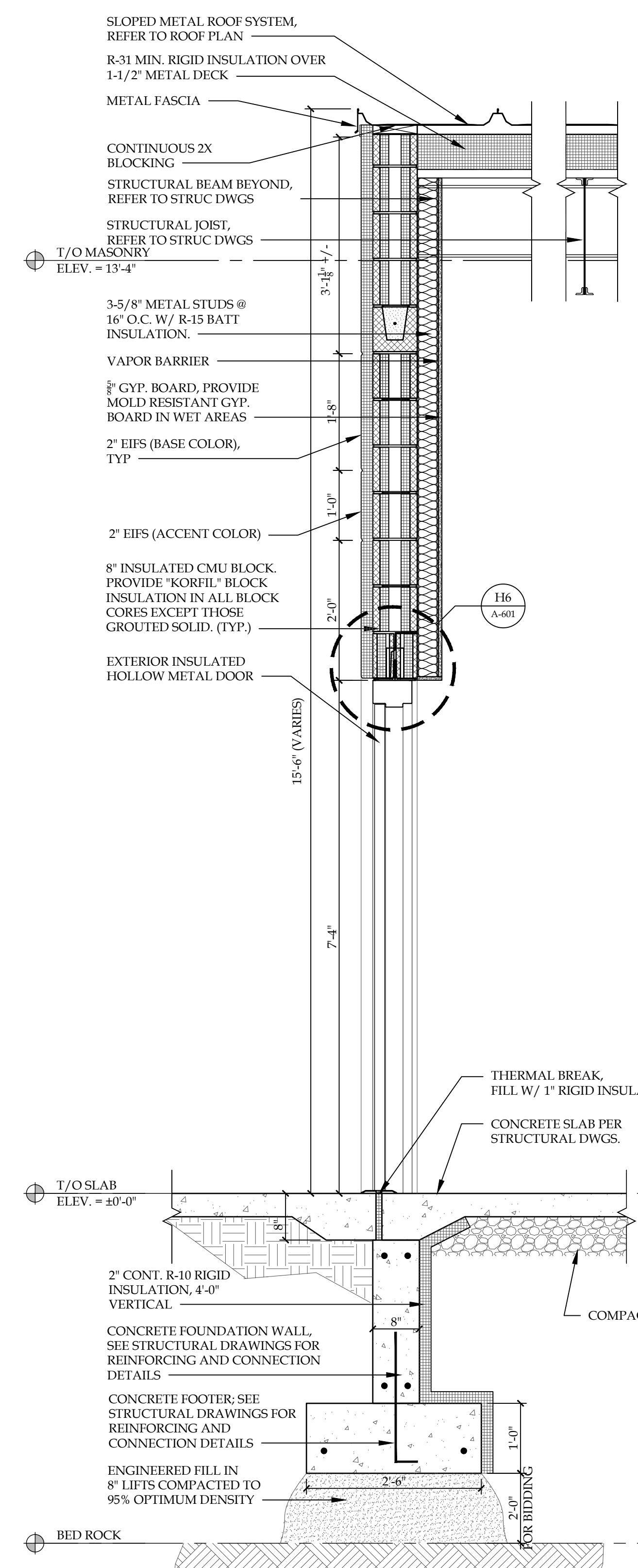
TITLE:  
**WALL SECTIONS & DETAILS**

**SILVESTRI ARCHITECTS · PC**  
 1321 MILLERSPORT HWY PH. 716.691.0900  
 AMHERST, NY 14221 FAX 716.691.4773

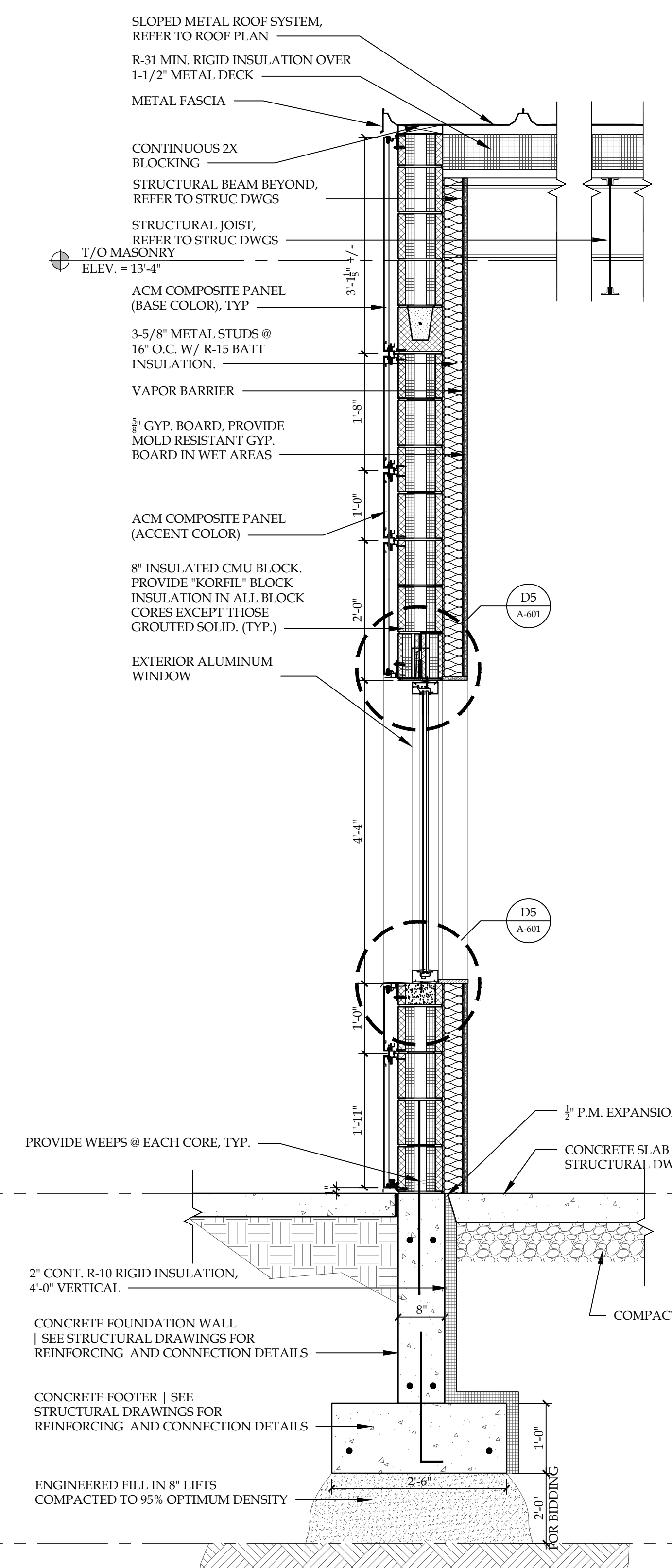
SA JOB #: 08029.10 DATE: 11-26-18

DRAWING #: **A-301**

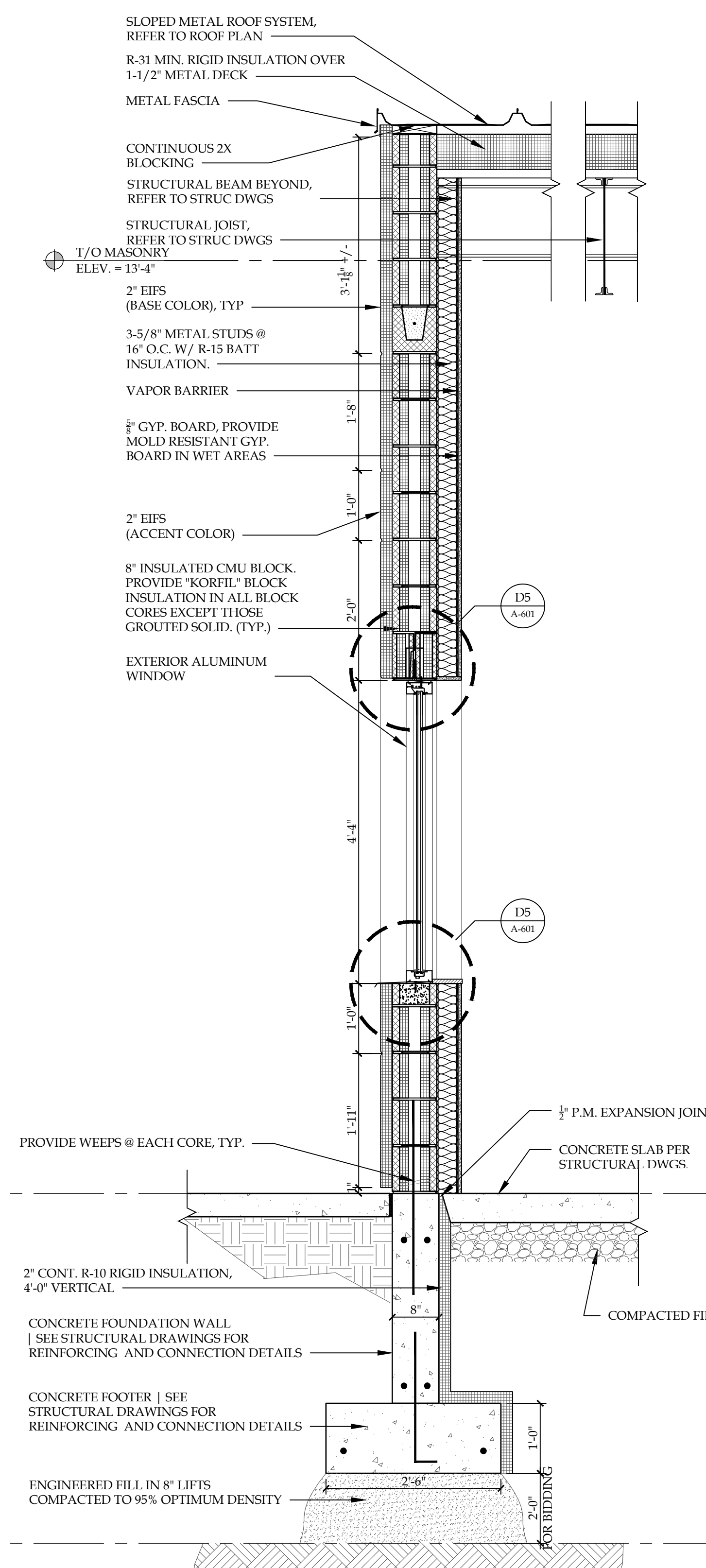




A1 WALL SECTION  
SCALE: 3/4" = 1'-0"



A2 WALL SECTION  
SCALE: 3/4" = 1'-0"



A3 WALL SECTION  
SCALE: 3/4" = 1'-0"

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SA PROJECT TEAM: PRINCIPAL P. Silvestri  
PROJ. ARCH. \_\_\_\_\_ DRAFTER \_\_\_\_\_  
JOB CAPT. \_\_\_\_\_ INTERIORS \_\_\_\_\_

SEAL:

TITLE:  
**WALL SECTIONS**

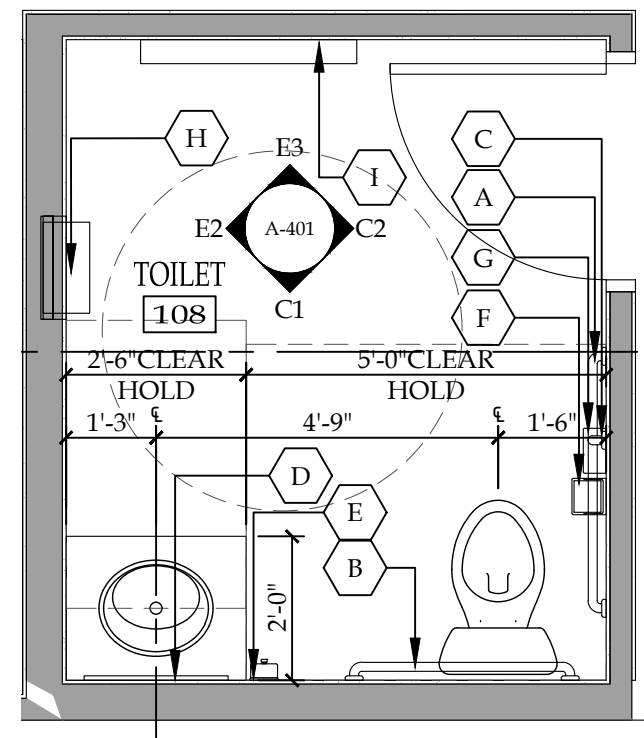


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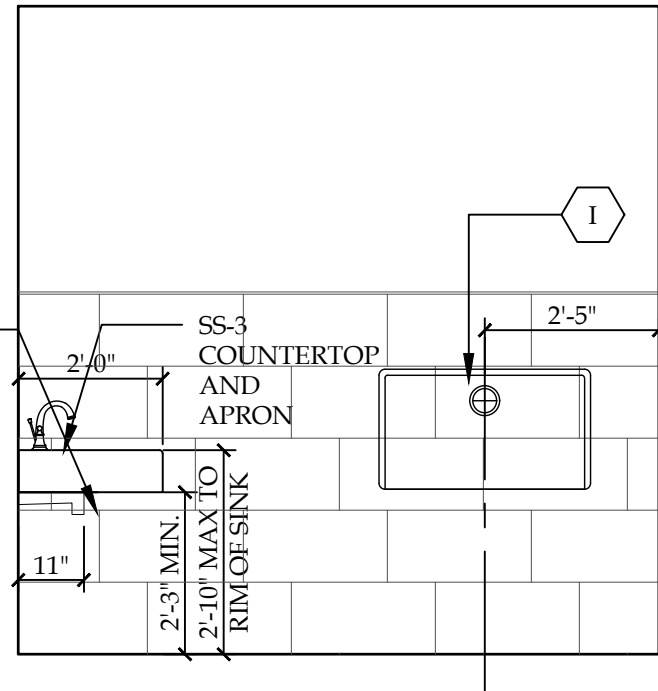
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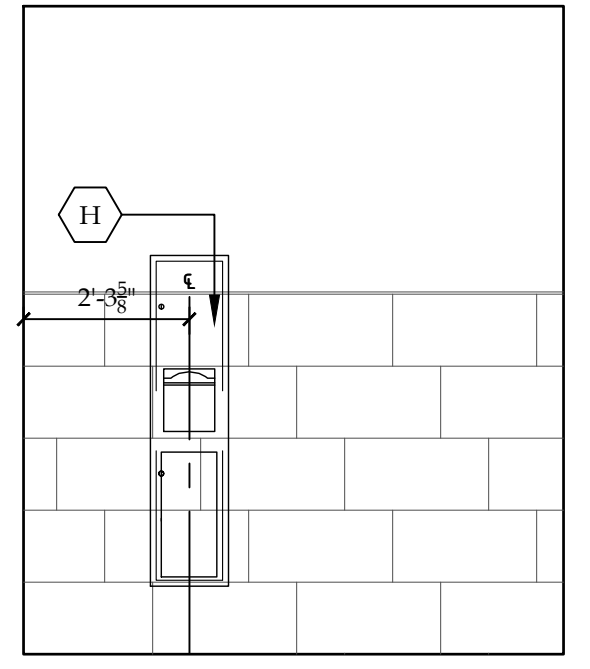
DRAWING #: **A-302**



E1 ENLARGED PLAN @ TOILET 108  
SCALE: 3/8"=1'-0"

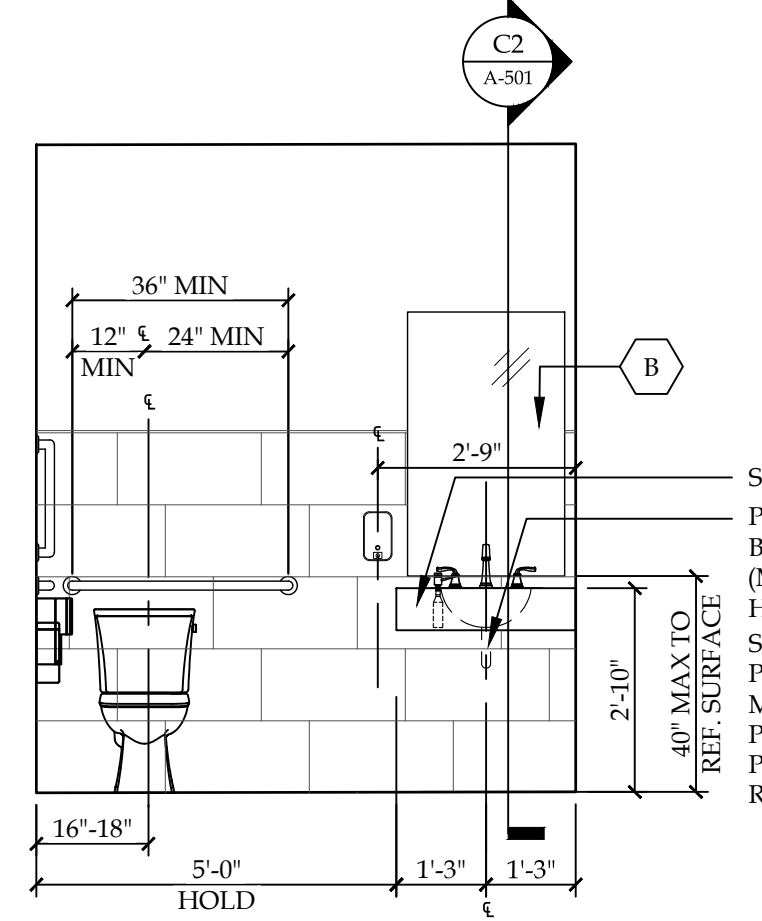


E2 ELEVATION @ TOILET 108  
SCALE: 3/8"=1'-0"

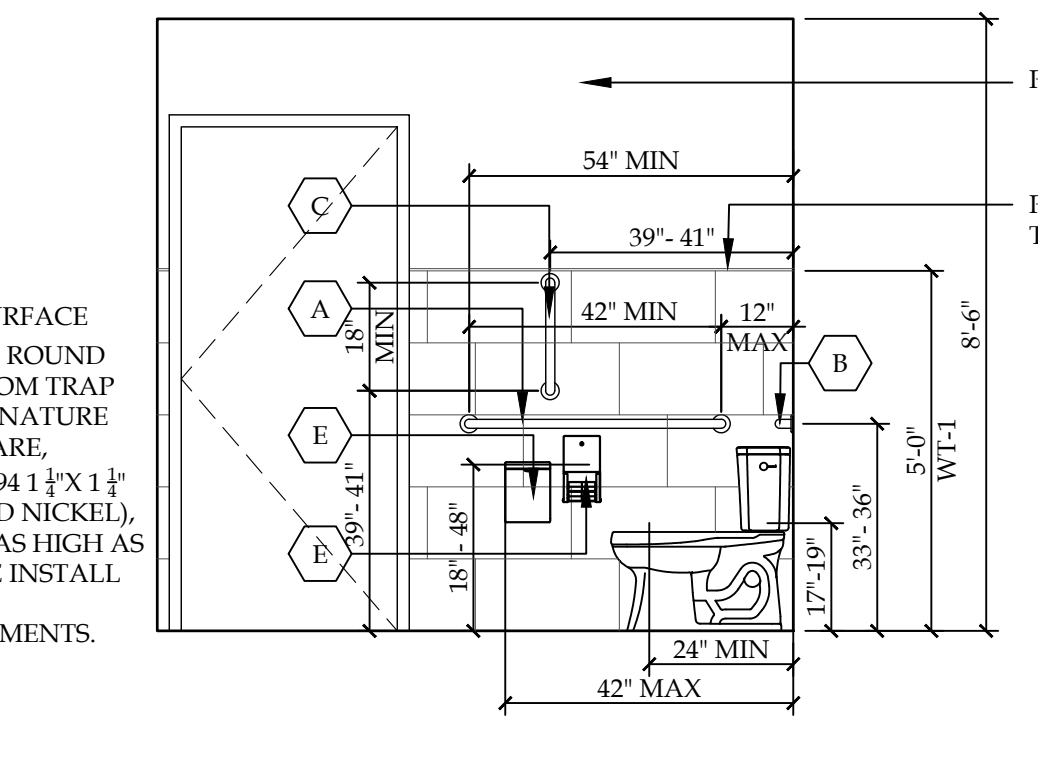


E3 ELEVATION @ TOILET 108  
SCALE: 3/8"=1'-0"

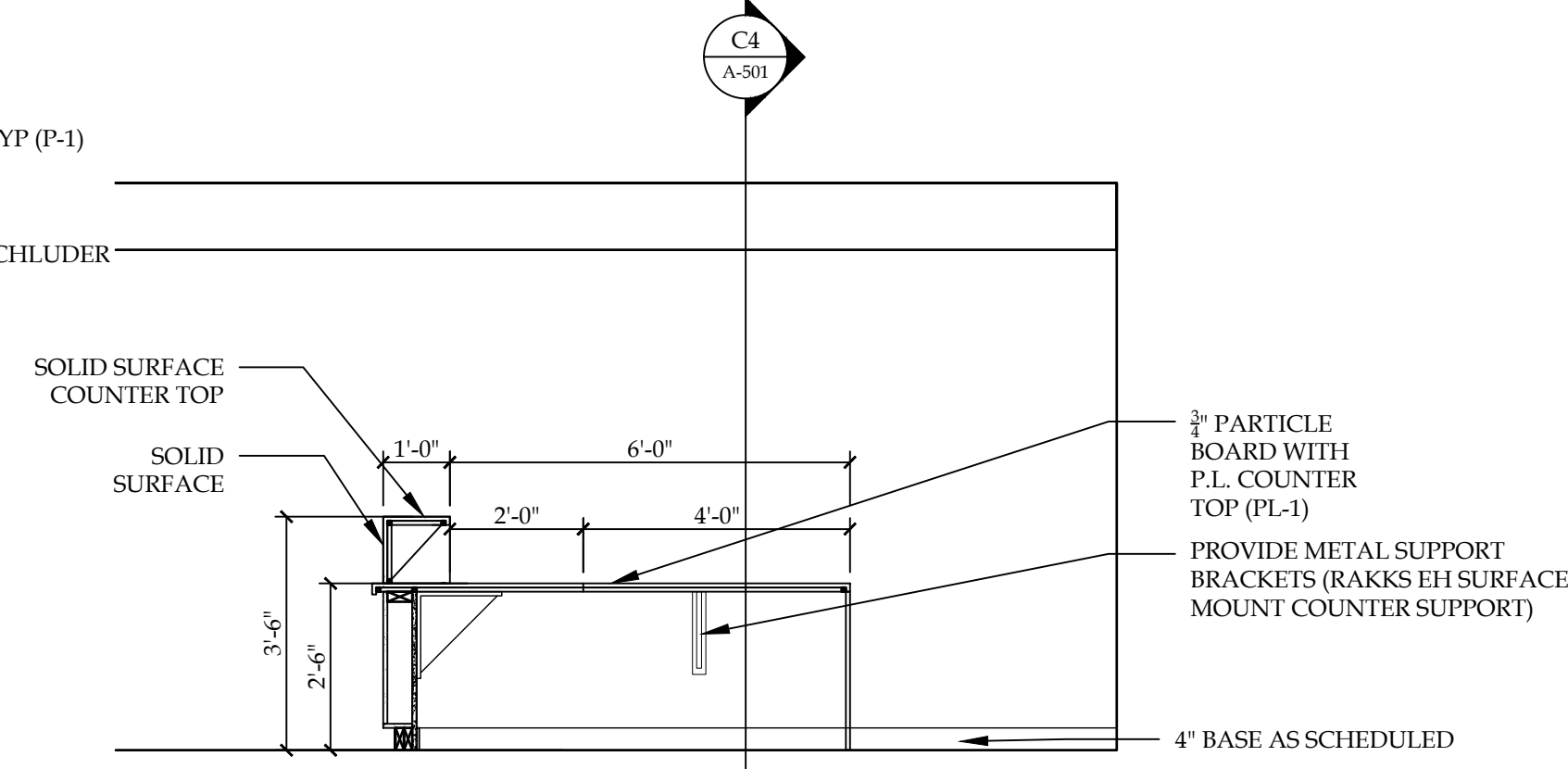
TOILET ACCESSORIES SCHEDULE				
MARK	ITEM	MODEL #	SUPPLIER	BACKUP SUPPORT
A	42" HORIZONTAL GRAB BAR	B-6806x42	BOBRICK WASHROOM EQUIPMENT, INC	PER MANUFACTURER'S REQUIREMENTS
B	36" HORIZONTAL GRAB BAR	B-6806x36	BOBRICK WASHROOM EQUIPMENT, INC	PER MANUFACTURER'S REQUIREMENTS
C	18" VERTICAL GRAB BAR	B-6806x18	BOBRICK WASHROOM EQUIPMENT, INC	PER MANUFACTURER'S REQUIREMENTS
D	24" X 36" CHANNEL-FRAME MIRROR	B-165 2436	BOBRICK WASHROOM EQUIPMENT, INC	PER MANUFACTURER'S REQUIREMENTS
E	WALL-MOUNTED SOAP DISPENSER	B-2111	BOBRICK WASHROOM EQUIPMENT, INC	PER MANUFACTURER'S REQUIREMENTS
F	SURFACE MOUNTED MULTI-ROLL TOILET TISSUE DISPENSER	B-4288	BOBRICK WASHROOM EQUIPMENT, INC	PER MANUFACTURER'S REQUIREMENTS
G	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL	B-270	BOBRICK WASHROOM EQUIPMENT, INC	PER MANUFACTURER'S REQUIREMENTS
H	SEMI-RECESSED PAPER TOWEL DISPENSER/WASTE RECEPTACLE	B-38032	BOBRICK WASHROOM EQUIPMENT, INC	PER MANUFACTURER'S REQUIREMENTS
I	WALL MOUNTED BABY CHANGING STATION	KB110-SSWM	KOALA KARE	PER MANUFACTURER'S REQUIREMENTS
J	METAL LOCKERS	DOUBLE TIER, ANGLED TOPS	GLOBAL INDUSTRIES	PER MANUFACTURER'S REQUIREMENTS



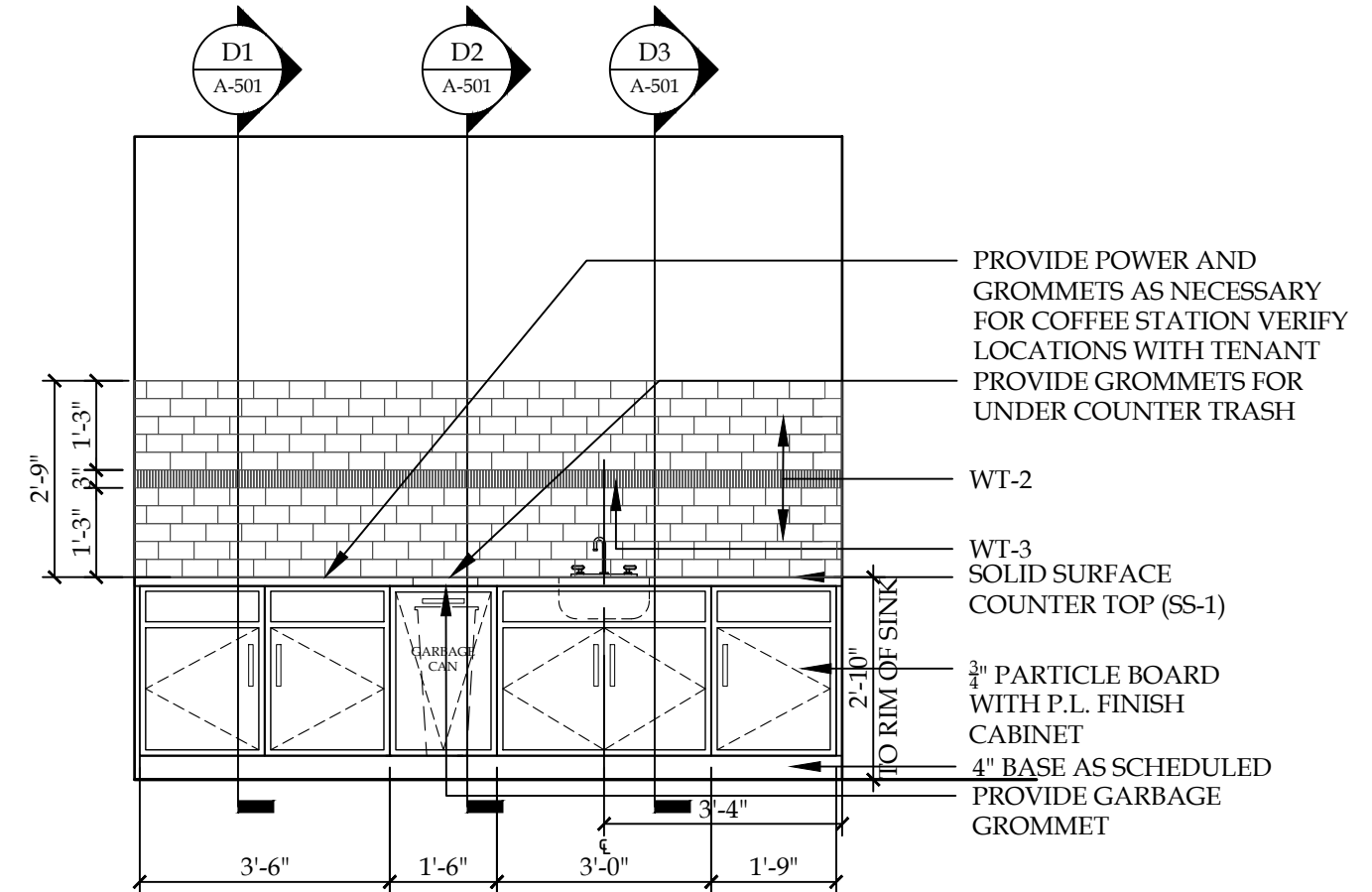
C1 ELEVATION @ TOILET 108  
SCALE: 3/8"=1'-0"



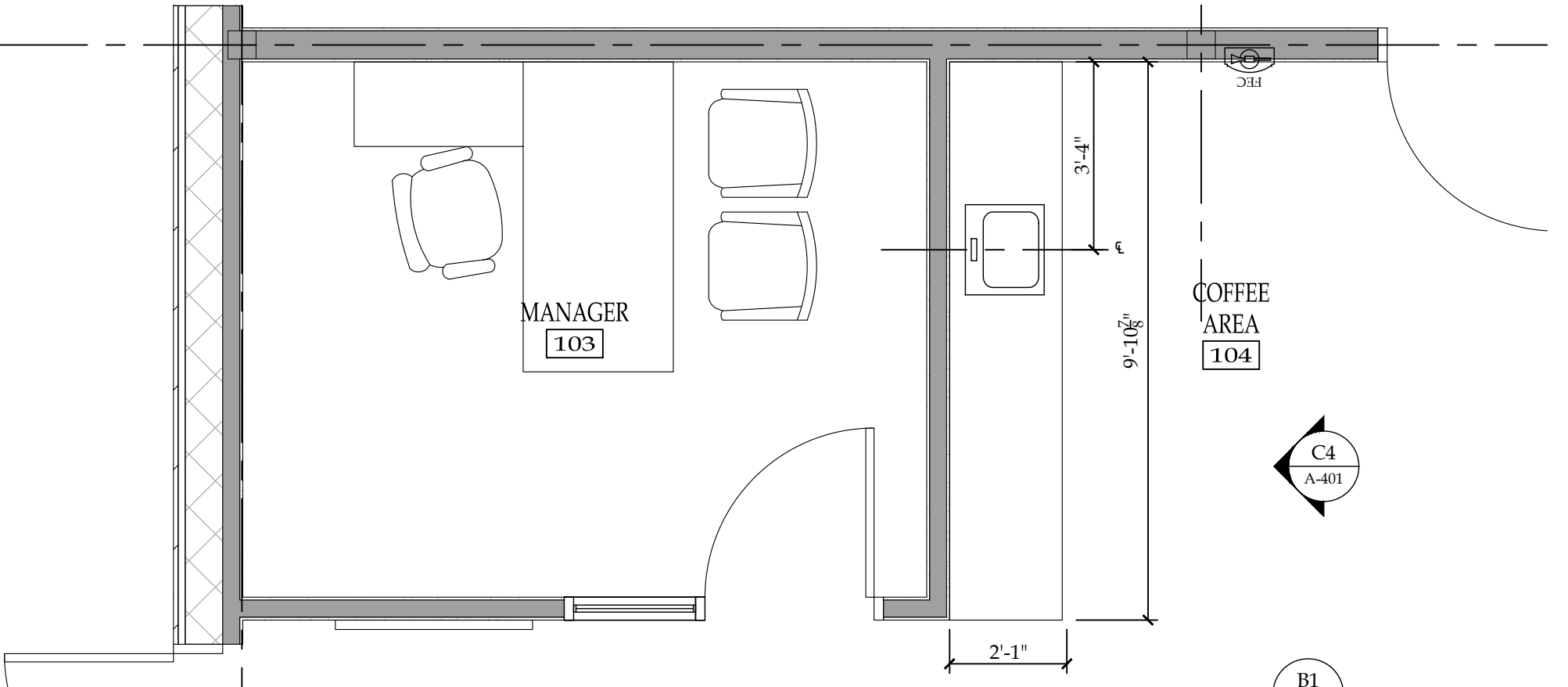
C2 ELEVATION @ TOILET 108  
SCALE: 3/8"=1'-0"



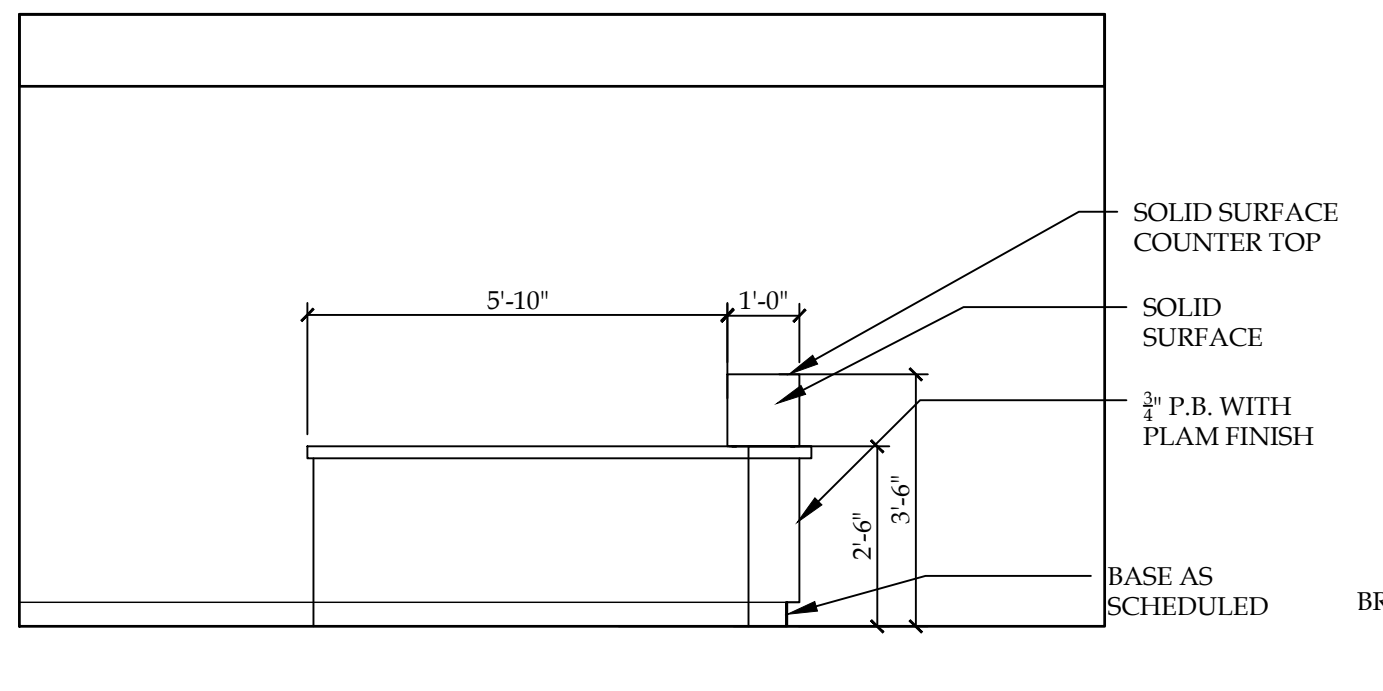
C3 ELEVATION @ RECEPTION  
SCALE: 3/8"=1'-0"



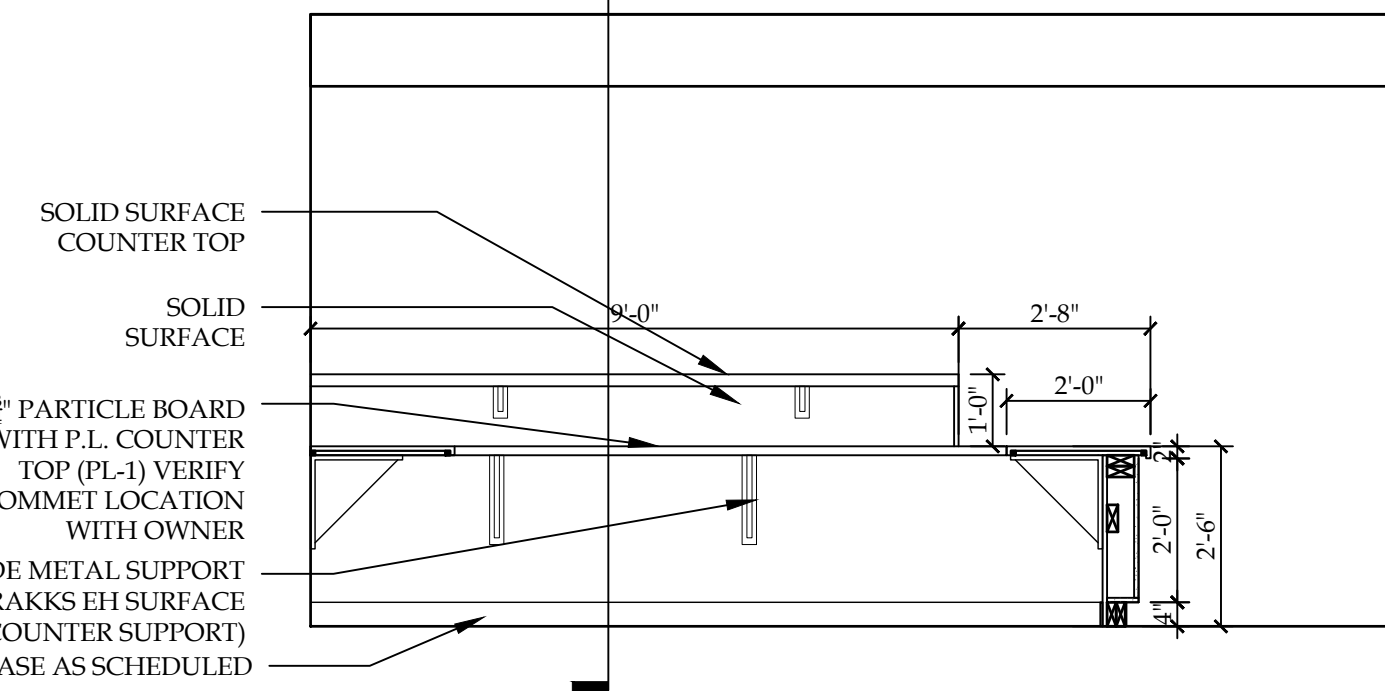
C4 ELEVATION @ RECEPTION  
SCALE: 3/8"=1'-0"



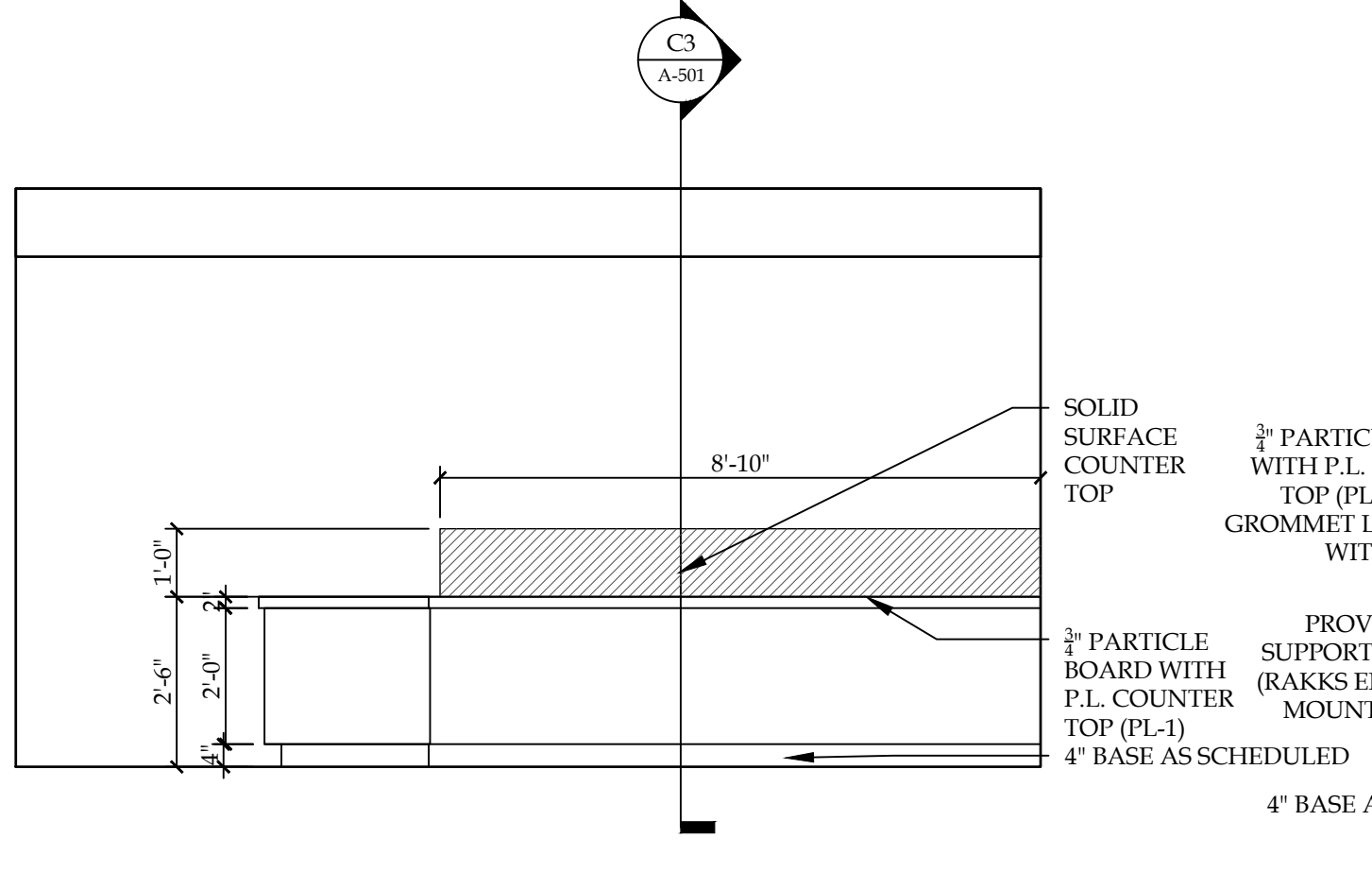
A1 ENLARGED PLAN @ RECEPTION & COFFEE BAR  
SCALE: 3/8"=1'-0"



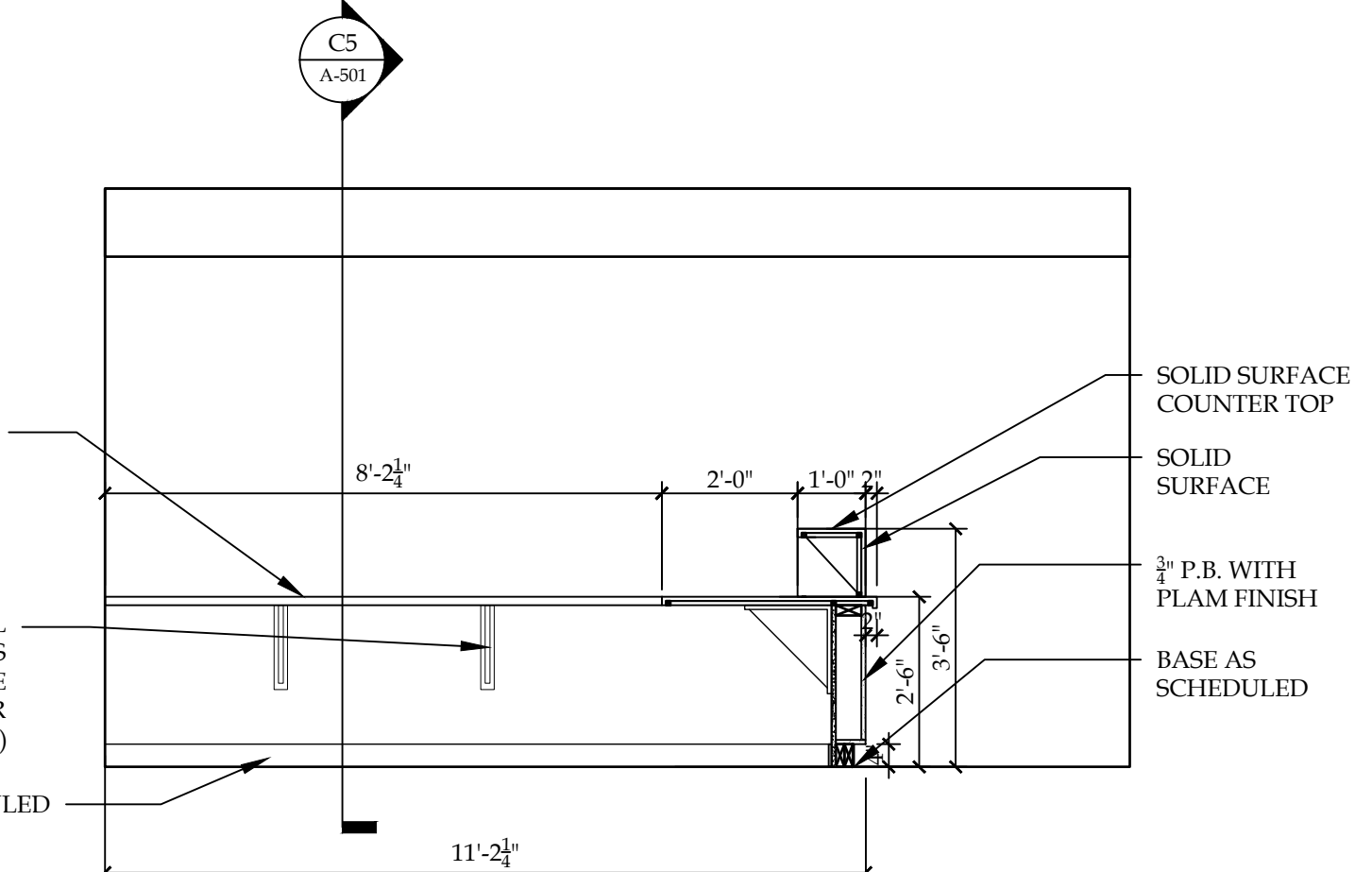
B1 ELEVATION @ RECEPTION  
SCALE: 3/8"=1'-0"



B2 ELEVATION @ RECEPTION  
SCALE: 3/8"=1'-0"



A2 ELEVATION @ RECEPTION  
SCALE: 3/8"=1'-0"



A3 ELEVATION @ RECEPTION  
SCALE: 3/8"=1'-0"

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ISSUE:  
2018-11-26 ISSUED FOR BID

SA PROJECT TEAM: PRINCIPAL P. Silvestri  
PROJ. ARCH. \_\_\_\_\_ DRAFTER \_\_\_\_\_  
JOB CAPT. \_\_\_\_\_ INTERIORS \_\_\_\_\_

SEAL:

TITLE:  
**INTERIOR ELEVATIONS**

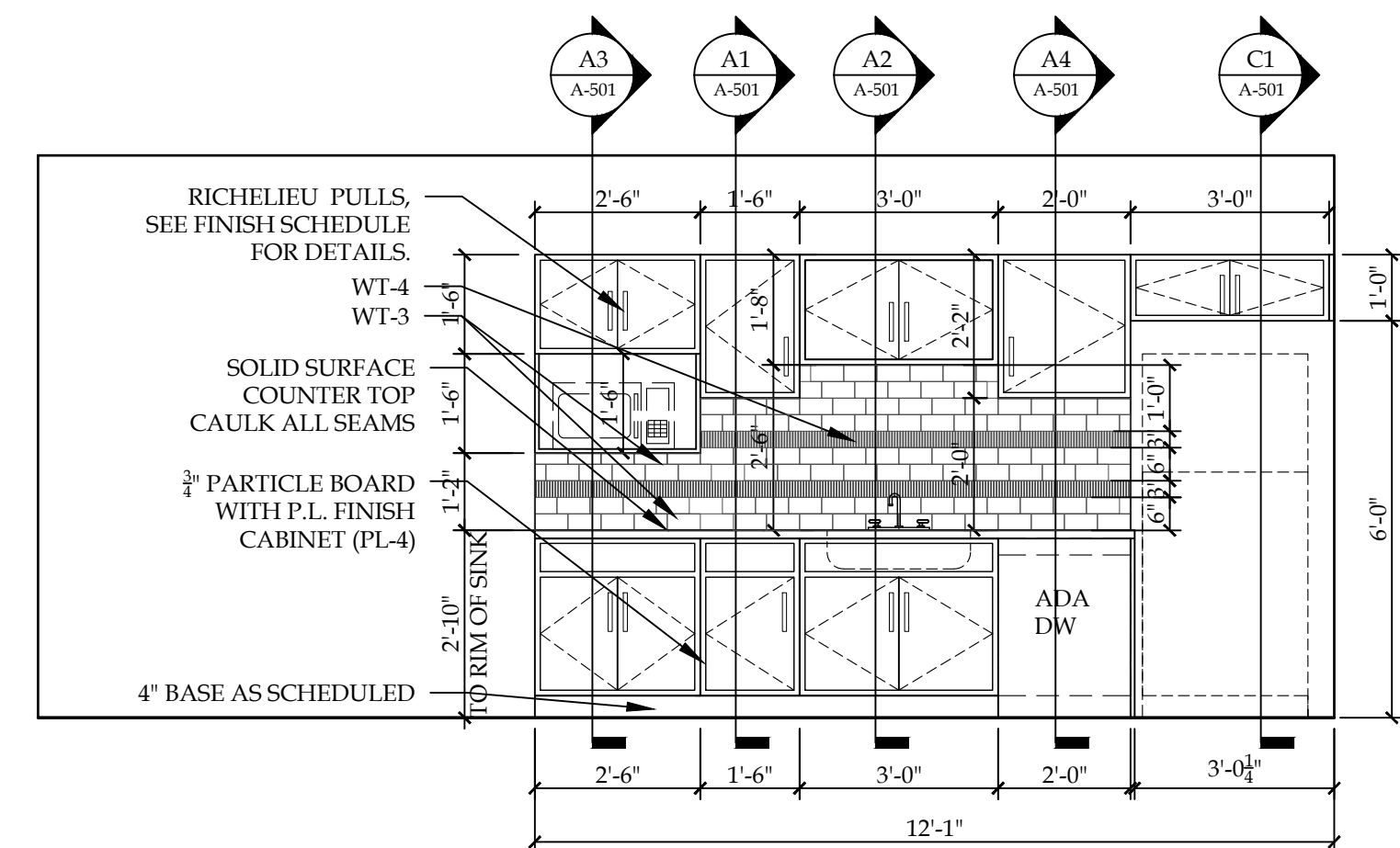


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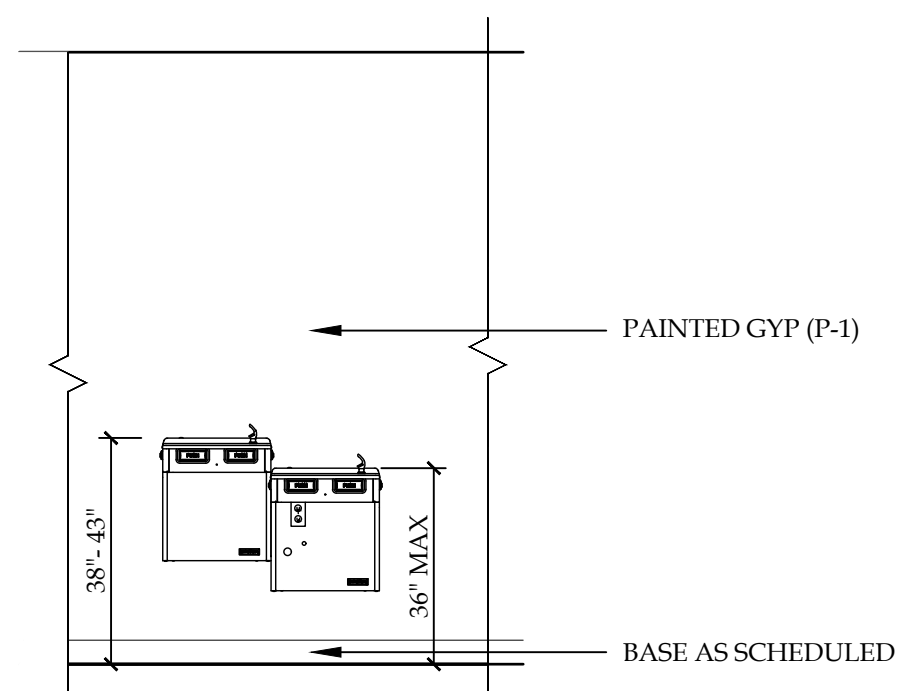
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AMHERST, NY 14221 FAX 716.691.4773

SA JOB #: 08029.10 DATE: 11-26-18

DRAWING #: **A-401**



D1 ENLARGED PLAN @ TOILET ROOM  
SCALE: 3/8"=1'-0"



D2 ENLARGED PLAN @ TOILET ROOM  
SCALE: 3/8"=1'-0"

TOILET ACCESSORIES SCHEDULE

MARK	ITEM	MODEL #	SUPPLIER	BACKUP SUPPORT
A	42" HORIZONTAL GRAB BAR	B-6806x42	BOBRICK WASHROOM EQUIPMENT, INC	PER MANUFACTURER'S REQUIREMENTS
B	36" HORIZONTAL GRAB BAR	B-6806x36	BOBRICK WASHROOM EQUIPMENT, INC	PER MANUFACTURER'S REQUIREMENTS
C	18" VERTICAL GRAB BAR	B-6806x18	BOBRICK WASHROOM EQUIPMENT, INC	PER MANUFACTURER'S REQUIREMENTS
D	24" X 36" CHANNEL-FRAME MIRROR	B-165 2436	BOBRICK WASHROOM EQUIPMENT, INC	PER MANUFACTURER'S REQUIREMENTS
E	WALL-MOUNTED SOAP DISPENSER	B-2111	BOBRICK WASHROOM EQUIPMENT, INC	PER MANUFACTURER'S REQUIREMENTS
F	SURFACE MOUNTED MULTI-ROLL TOILET TISSUE DISPENSER	B-4288	BOBRICK WASHROOM EQUIPMENT, INC	PER MANUFACTURER'S REQUIREMENTS
G	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL	B-270	BOBRICK WASHROOM EQUIPMENT, INC	PER MANUFACTURER'S REQUIREMENTS
H	SEMI-RECESSED PAPER TOWEL DISPENSER/WASTE RECEPTACLE	B-38032	BOBRICK WASHROOM EQUIPMENT, INC	PER MANUFACTURER'S REQUIREMENTS
I	WALL MOUNTED BABY CHANGING STATION	KB110-SSWM	KOALA KARE	PER MANUFACTURER'S REQUIREMENTS
J	METAL LOCKERS	DOUBLE TIER, ANGLED TOPS	GLOBAL INDUSTRIES	PER MANUFACTURER'S REQUIREMENTS

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ISSUE:  
2018-11-26 ISSUED FOR BID

SA PROJECT TEAM: PRINCIPAL P. Silvestri  
PROJ. ARCH. \_\_\_\_\_ DRAFTER \_\_\_\_\_  
JOB CAPT. \_\_\_\_\_ INTERIORS \_\_\_\_\_

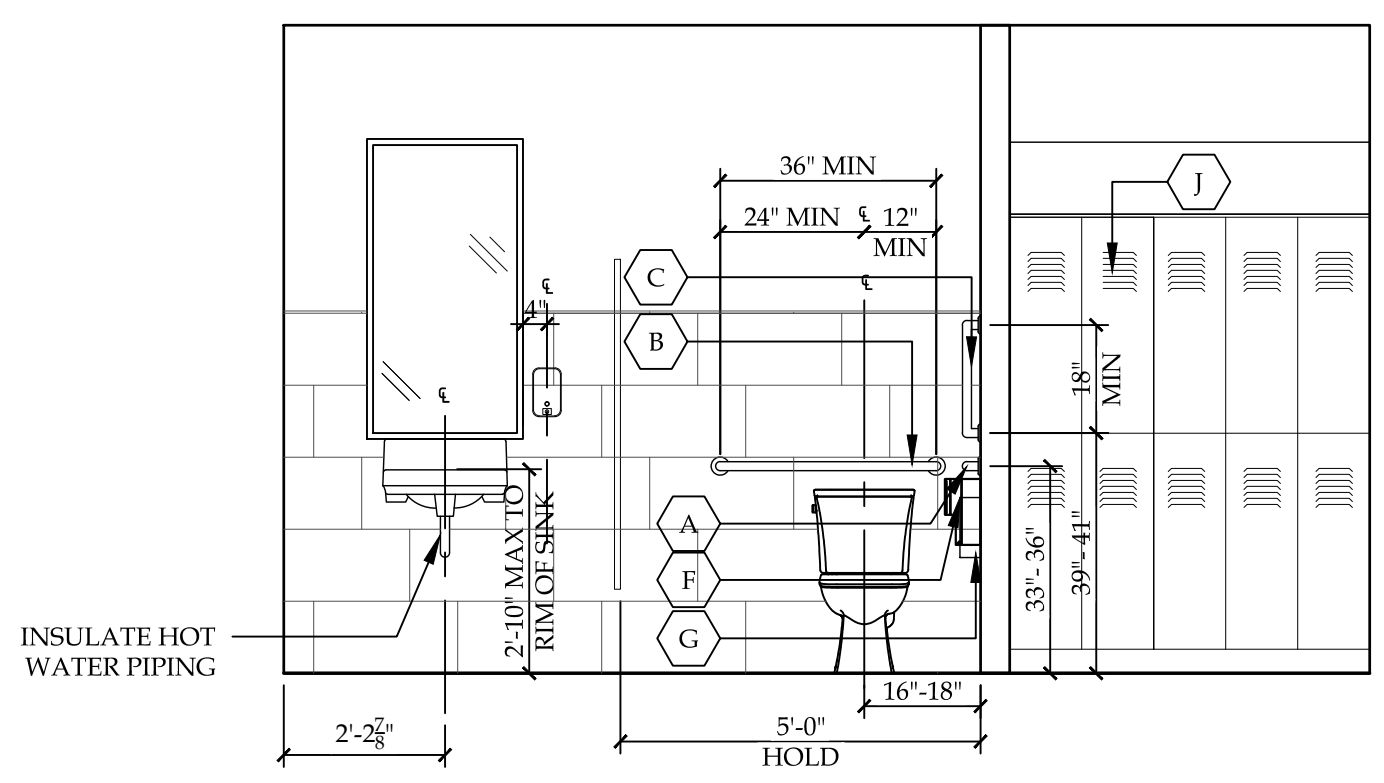
SEAL:  
  
TITLE:

INTERIOR  
ELEVATIONS

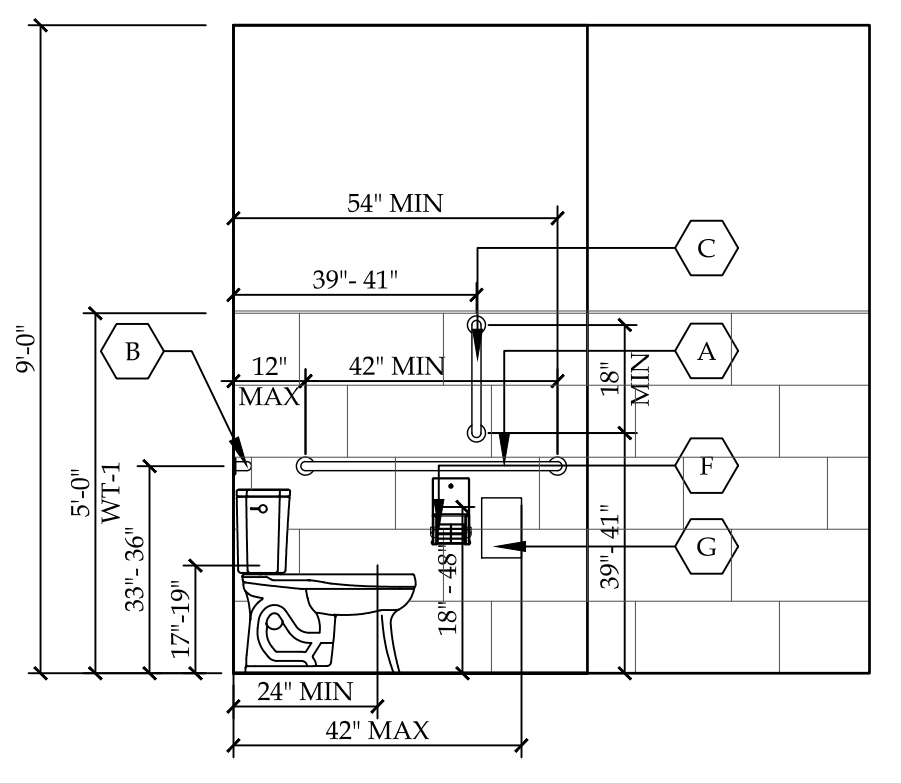
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ARCHITECTS · PC**  
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AMHERST, NY 14221 FAX 716.691.4773

SA JOB #: 08029.10  
DATE: 11-26-18

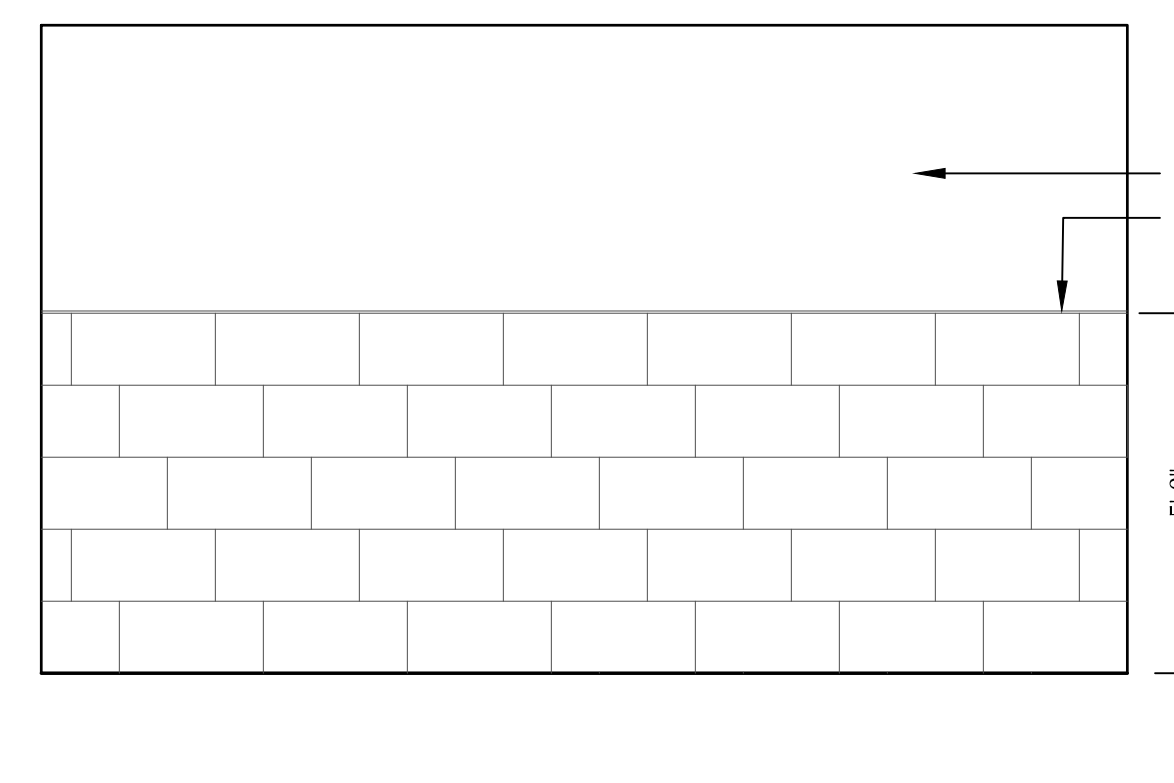
DRAWING #: A-402



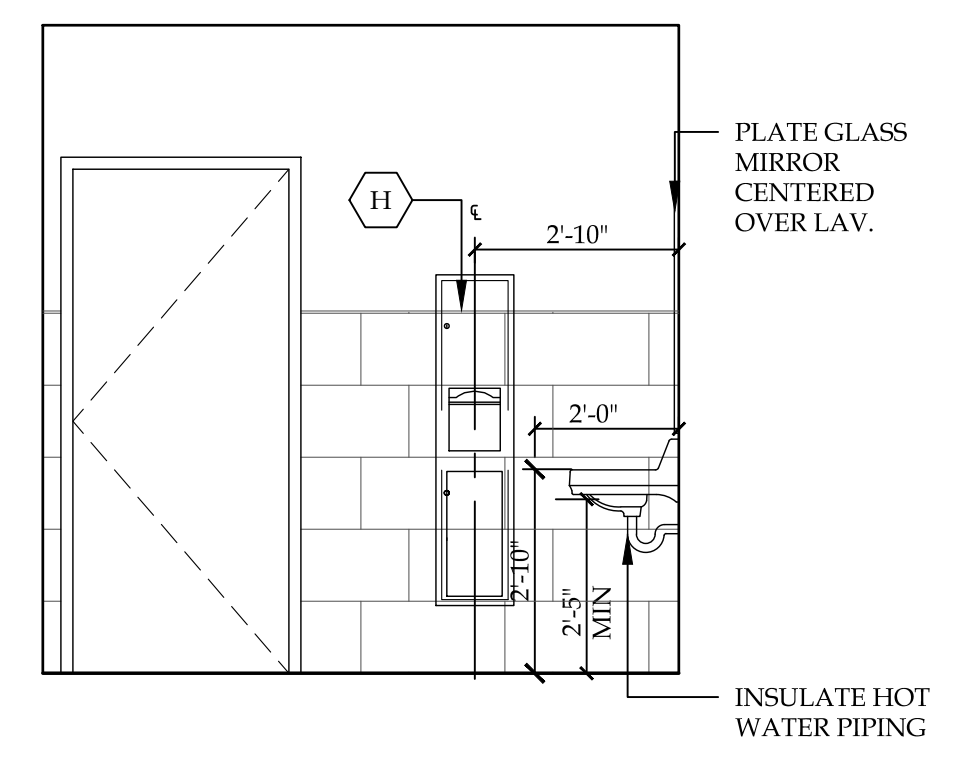
C1 ELEVATION @ RECEPTION  
SCALE: 3/8"=1'-0"



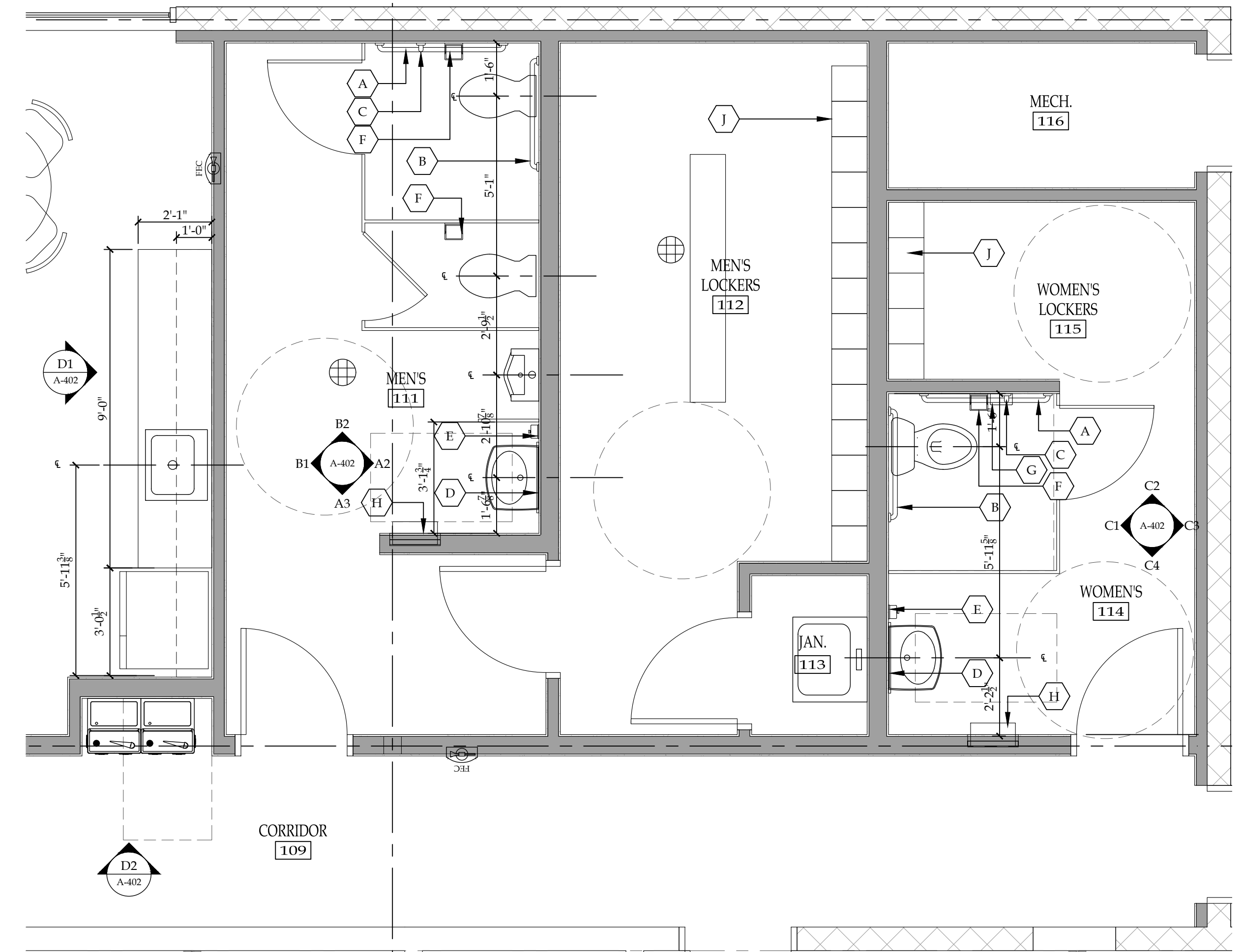
C2 ELEVATION @ RECEPTION  
SCALE: 3/8"=1'-0"



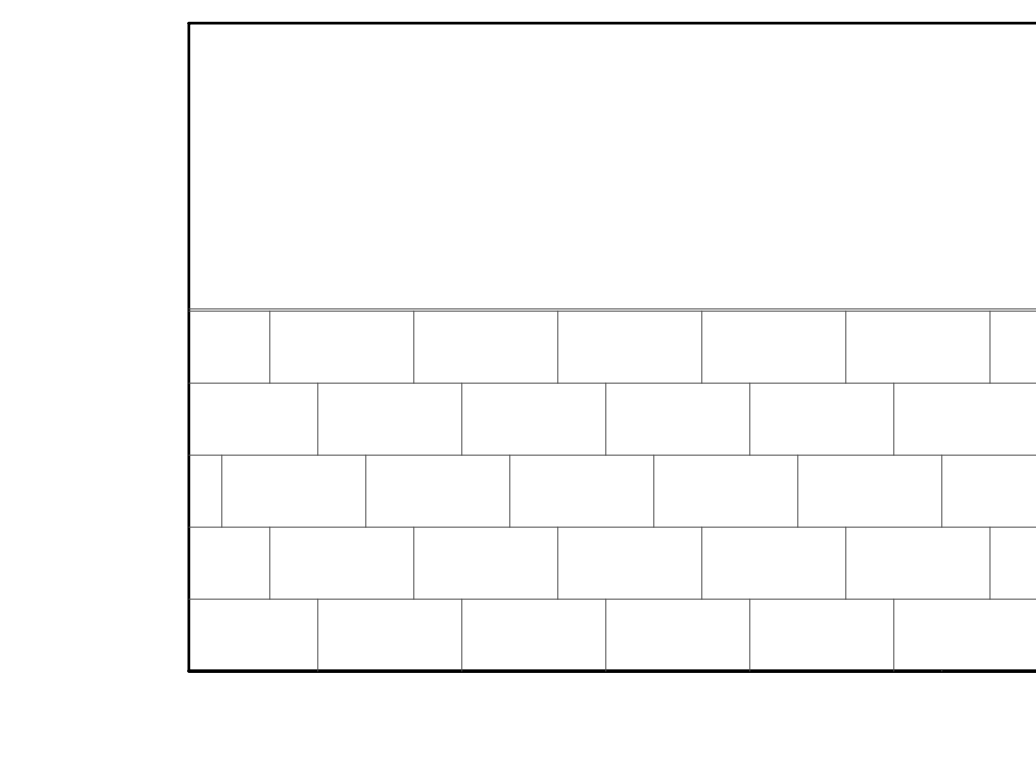
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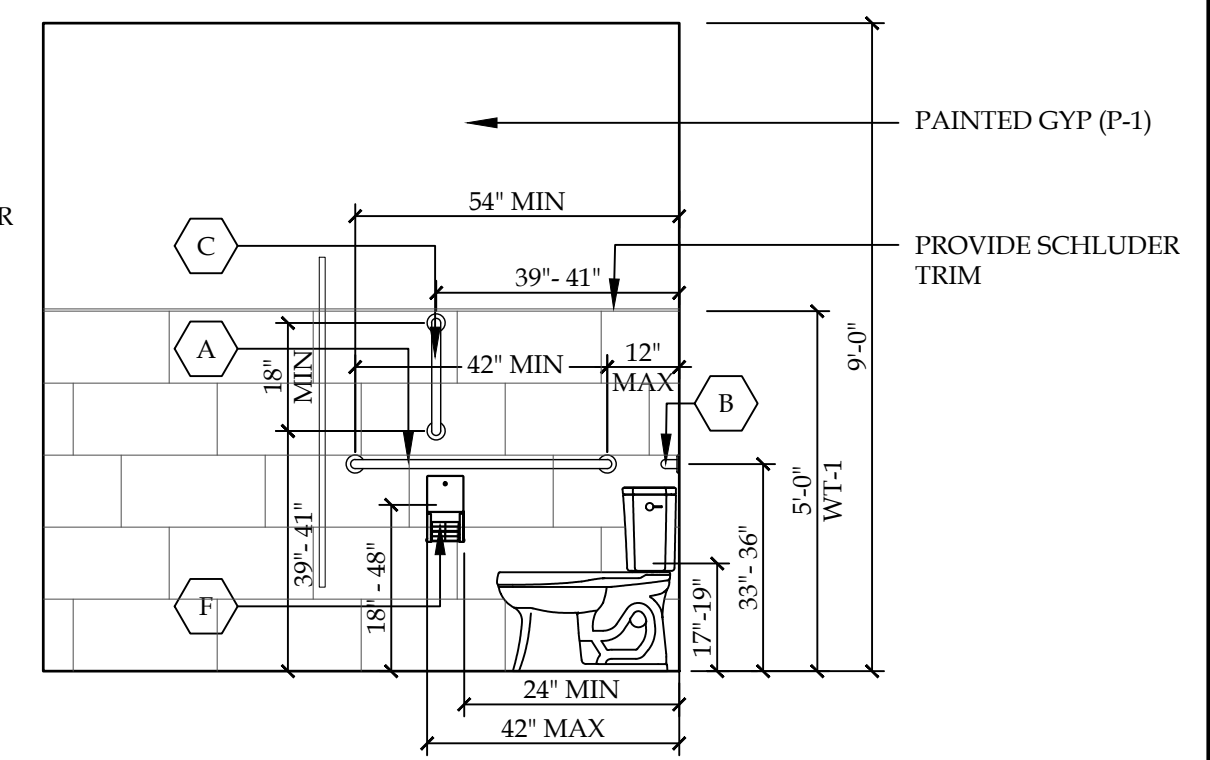
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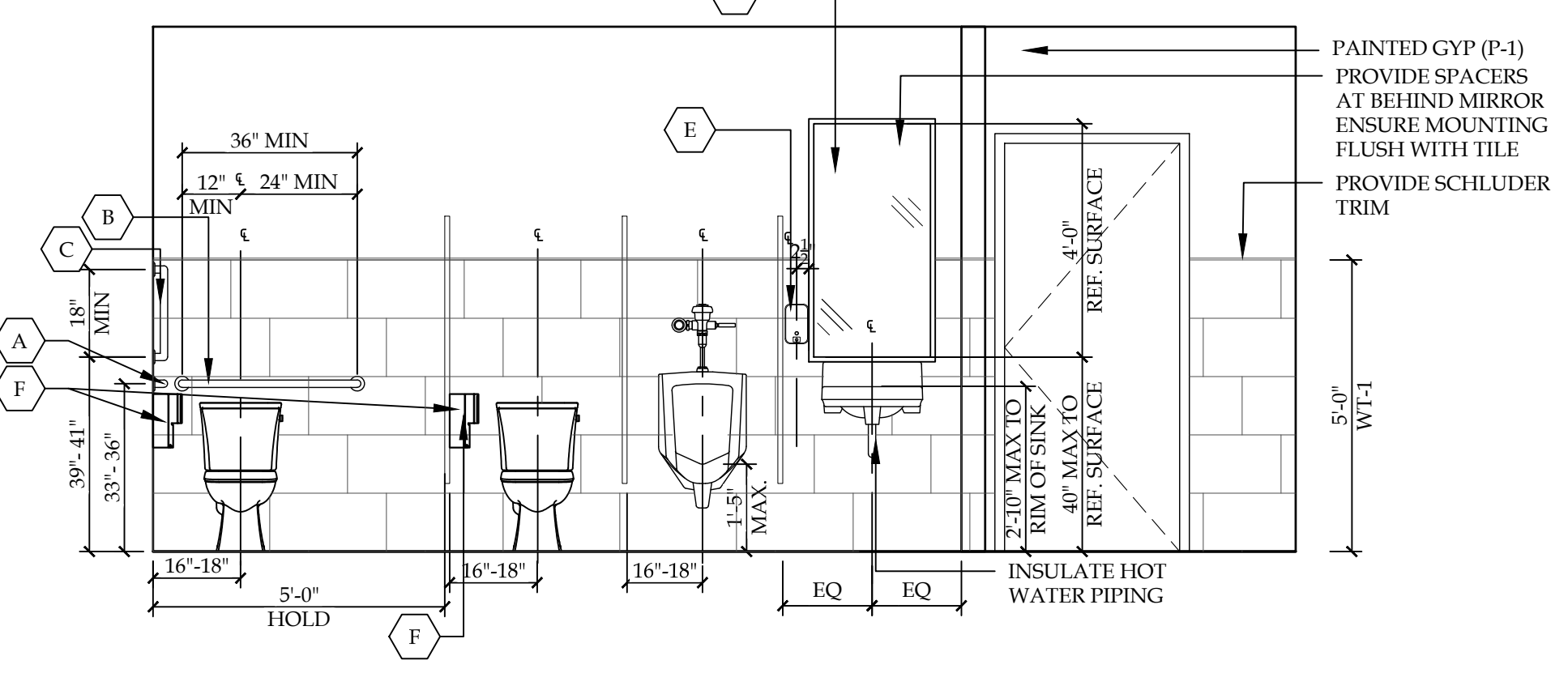
A1 ENLARGED PLAN @ BREAK ROOM & LOCKER ROOMS  
SCALE: 3/8"=1'-0"



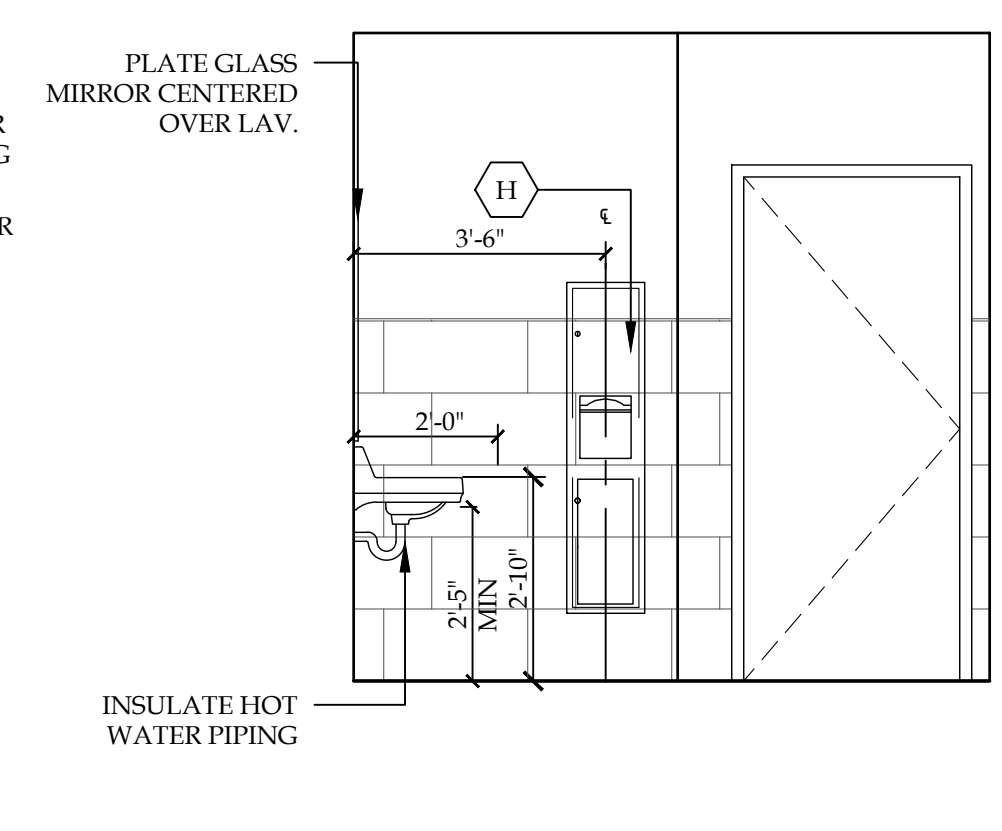
B1 ELEVATION @ RECEPTION  
SCALE: 3/8"=1'-0"



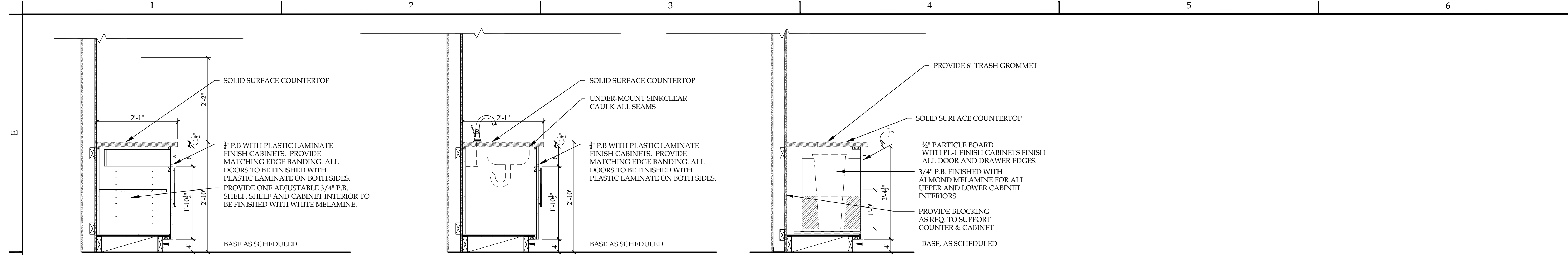
B2 ELEVATION @ RECEPTION  
SCALE: 3/8"=1'-0"



A2 ELEVATION @ MENS LOCKER ROOM  
SCALE: 3/8"=1'-0"



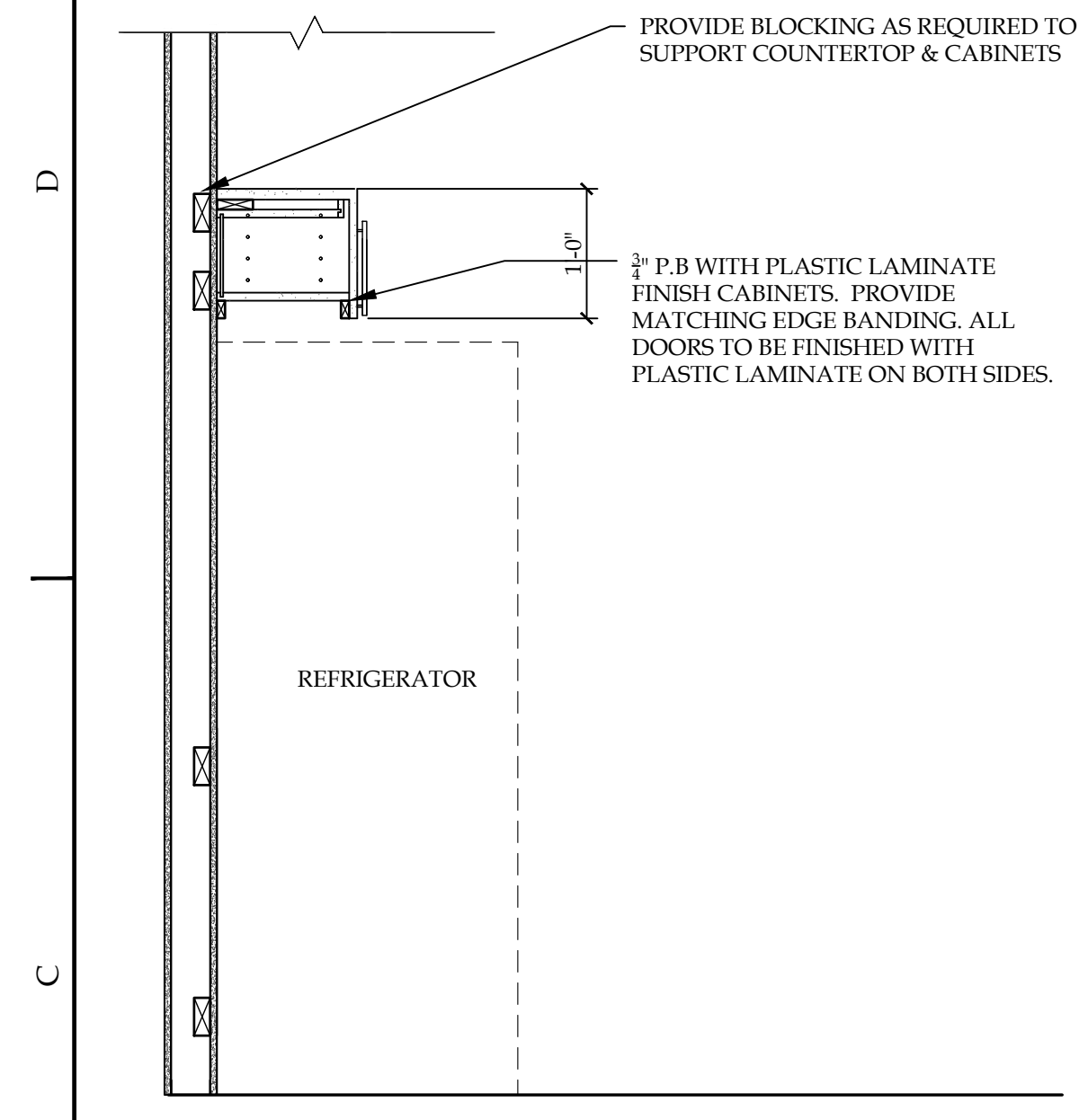
A3 ELEVATION @ MENS LOCKER ROOM  
SCALE: 3/8"=1'-0"



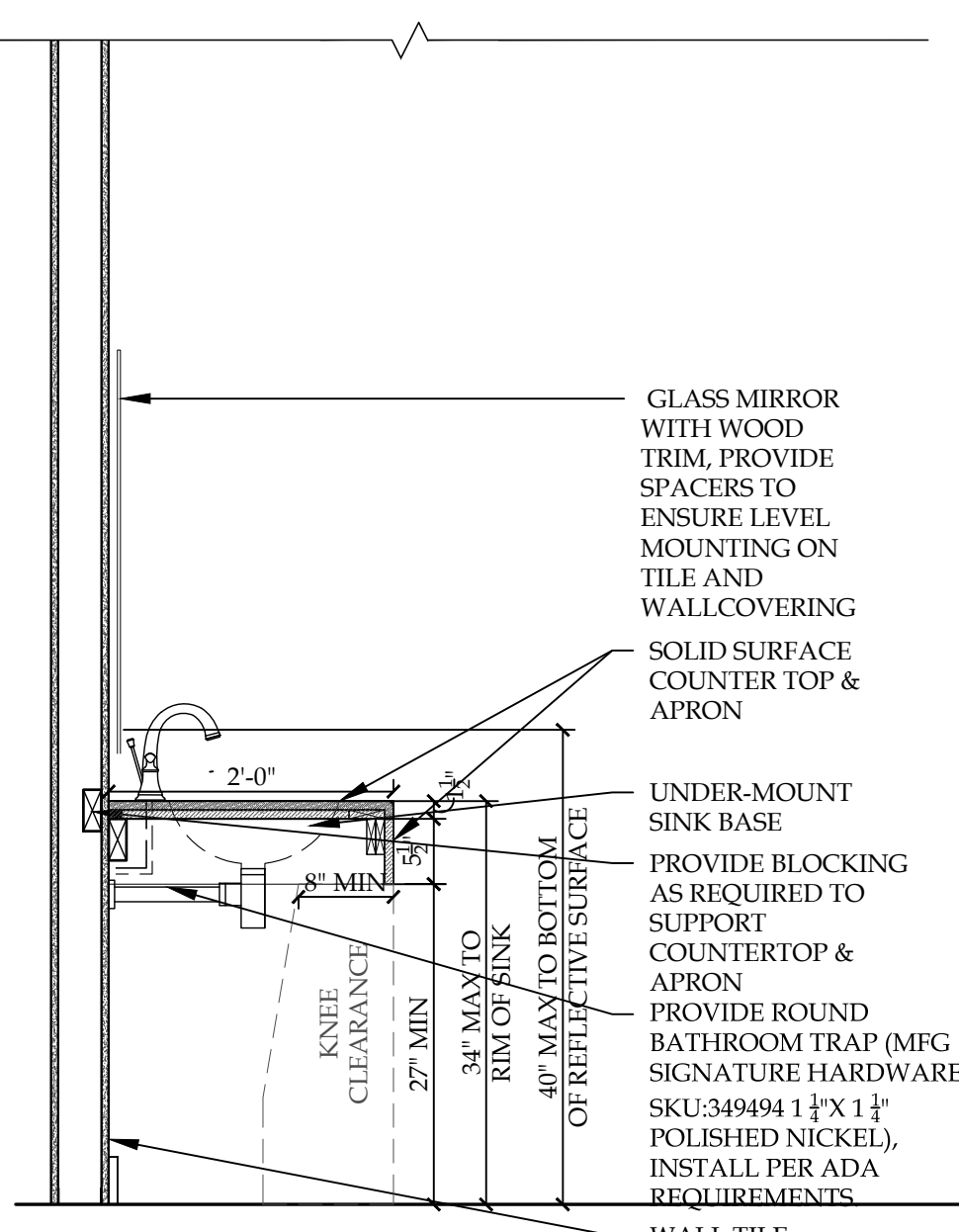
D1 SECTION @ RECEPTION  
SCALE: 3/4" = 1'-0"

D2 SECTION @ RECEPTION  
SCALE: 3/4" = 1'-0"

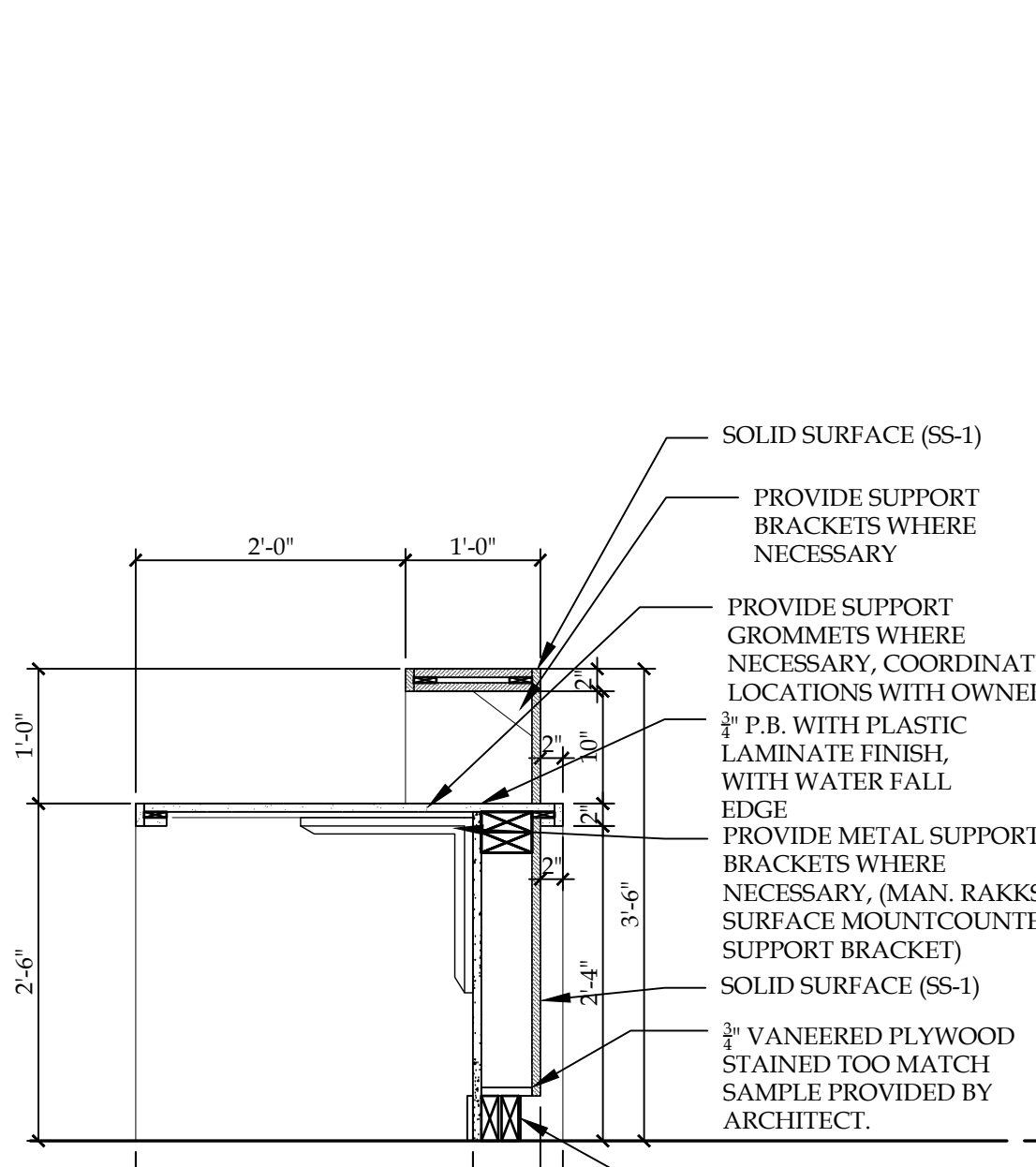
D3 SECTION @ RECEPTION  
SCALE: 3/4" = 1'-0"



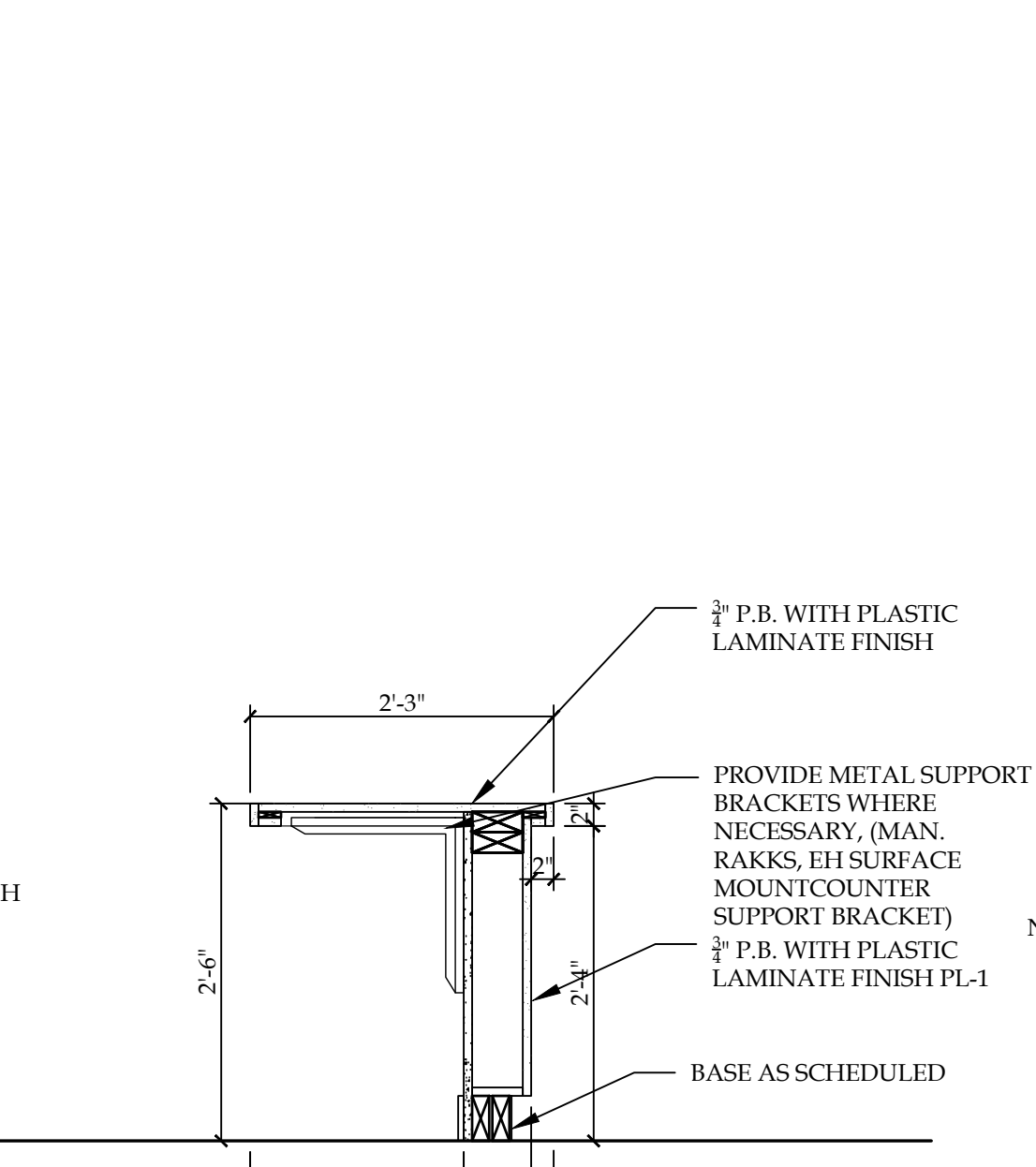
C1 SECTION @ REFRIGERATOR  
SCALE: 3/4" = 1'-0"



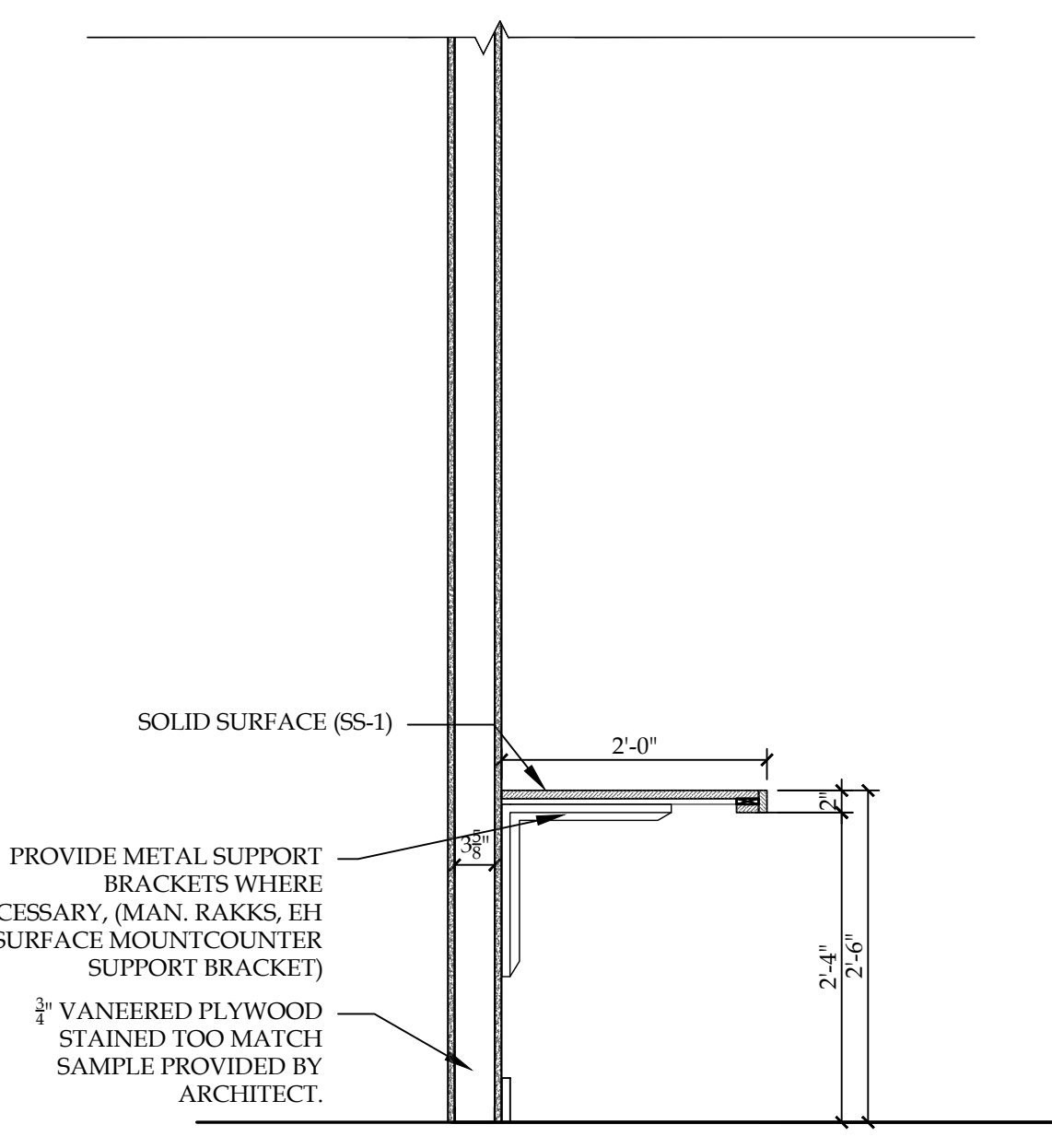
C2 SECTION @ RESTROOM  
SCALE: 3/4" = 1'-0"



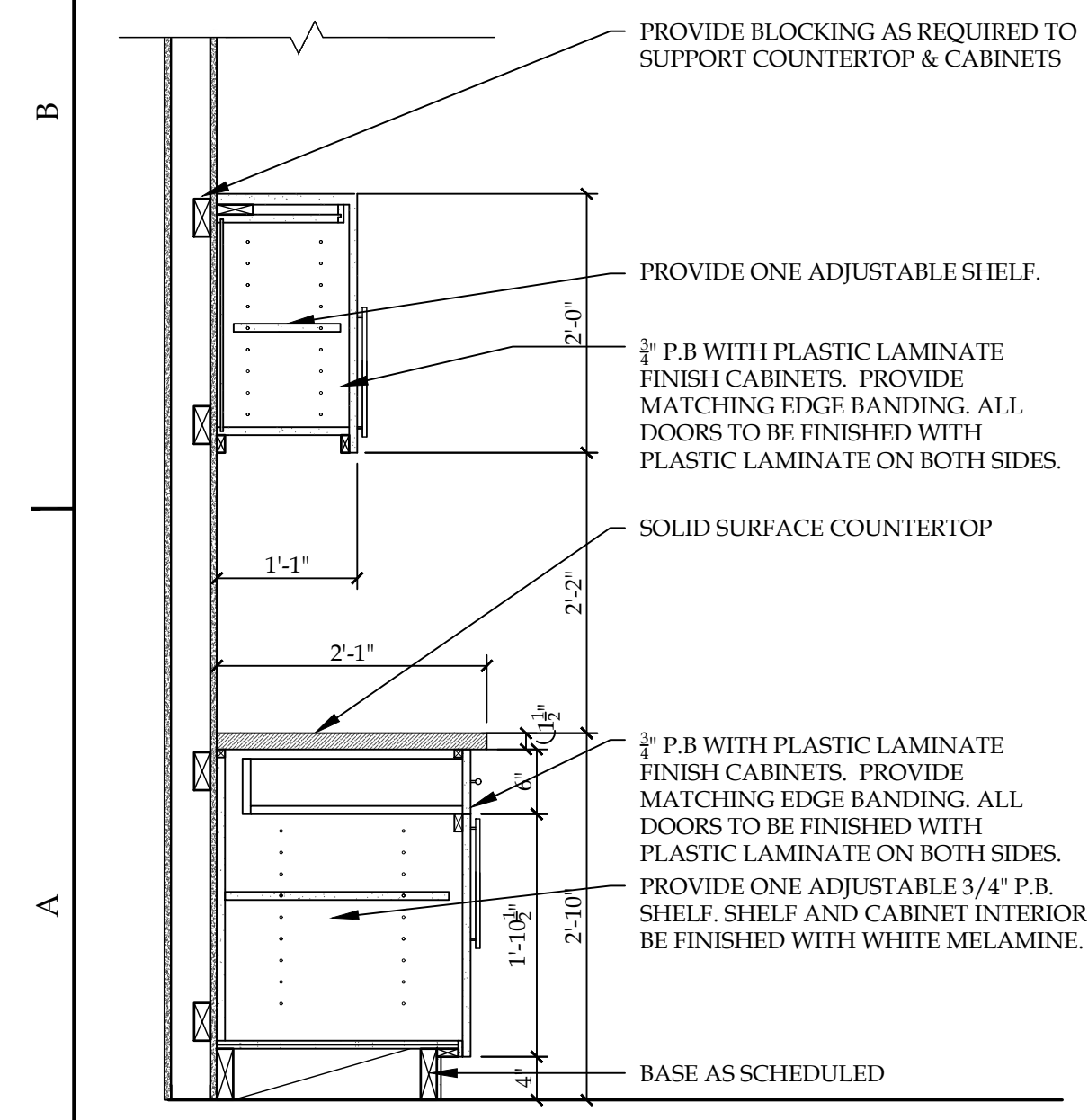
C3 SECTION @ RECEPTION  
SCALE: 3/4" = 1'-0"



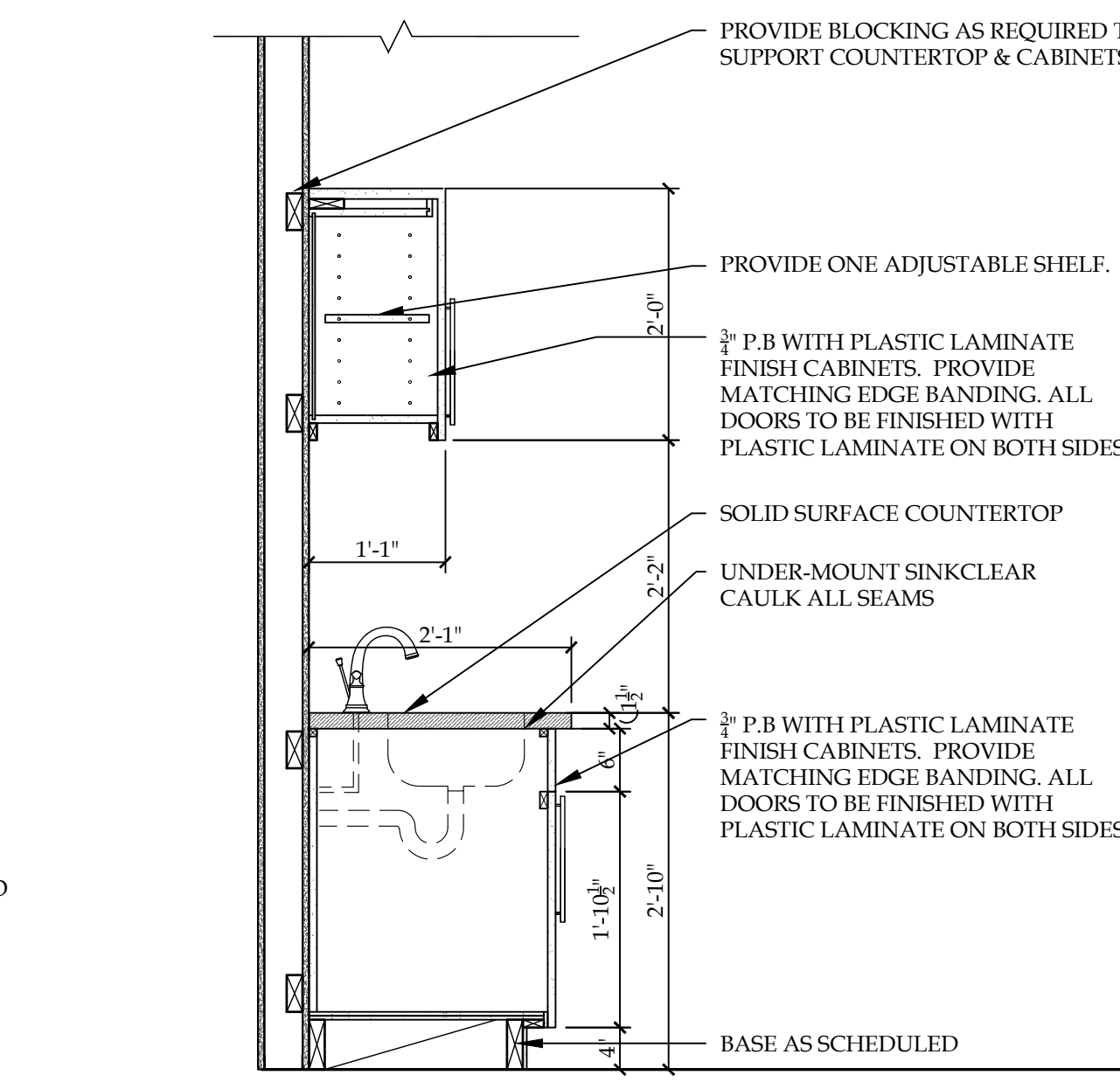
C4 SECTION @ RECEPTION  
SCALE: 3/4" = 1'-0"



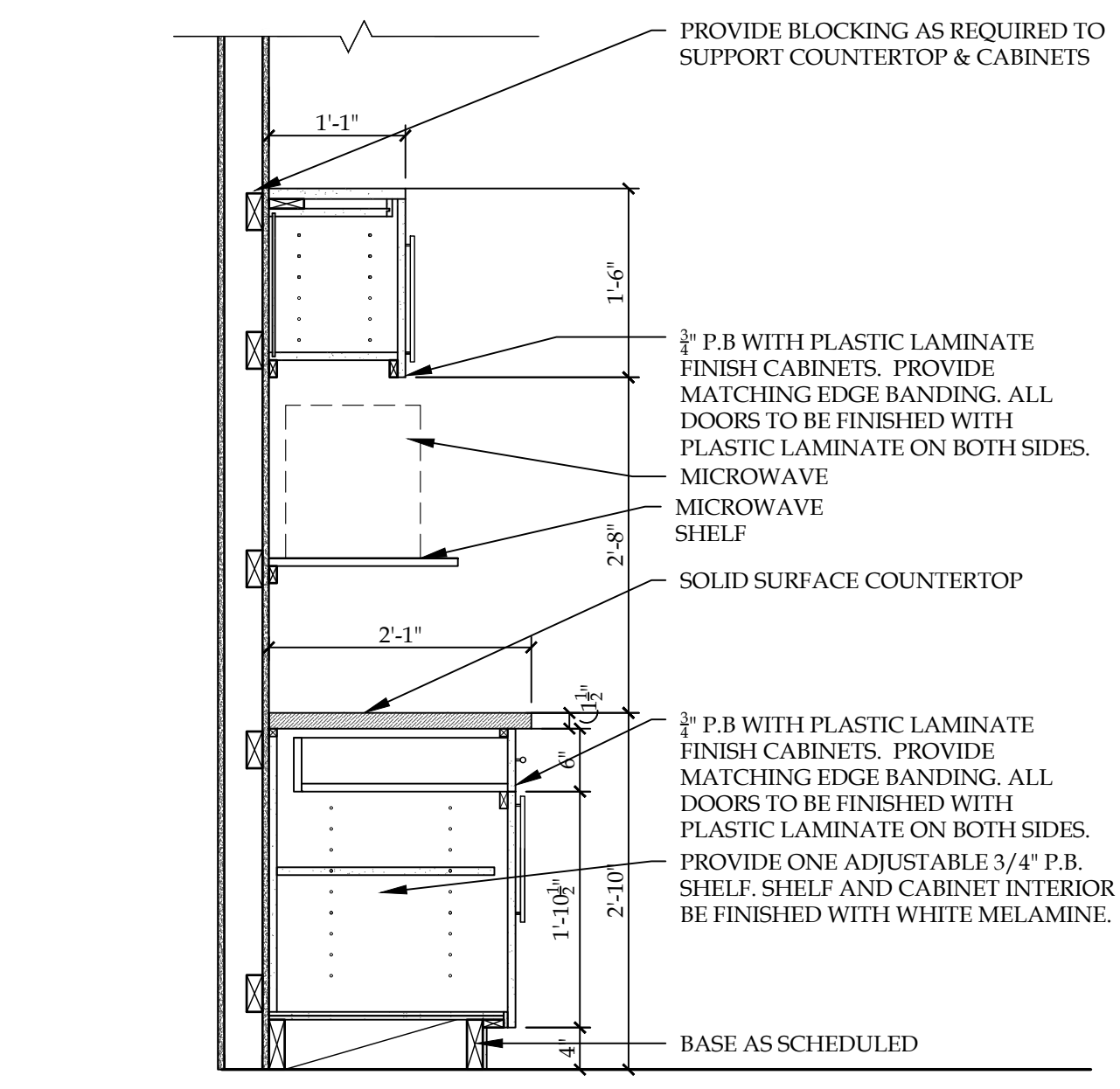
C5 SECTION @ RECEPTION  
SCALE: 3/4" = 1'-0"



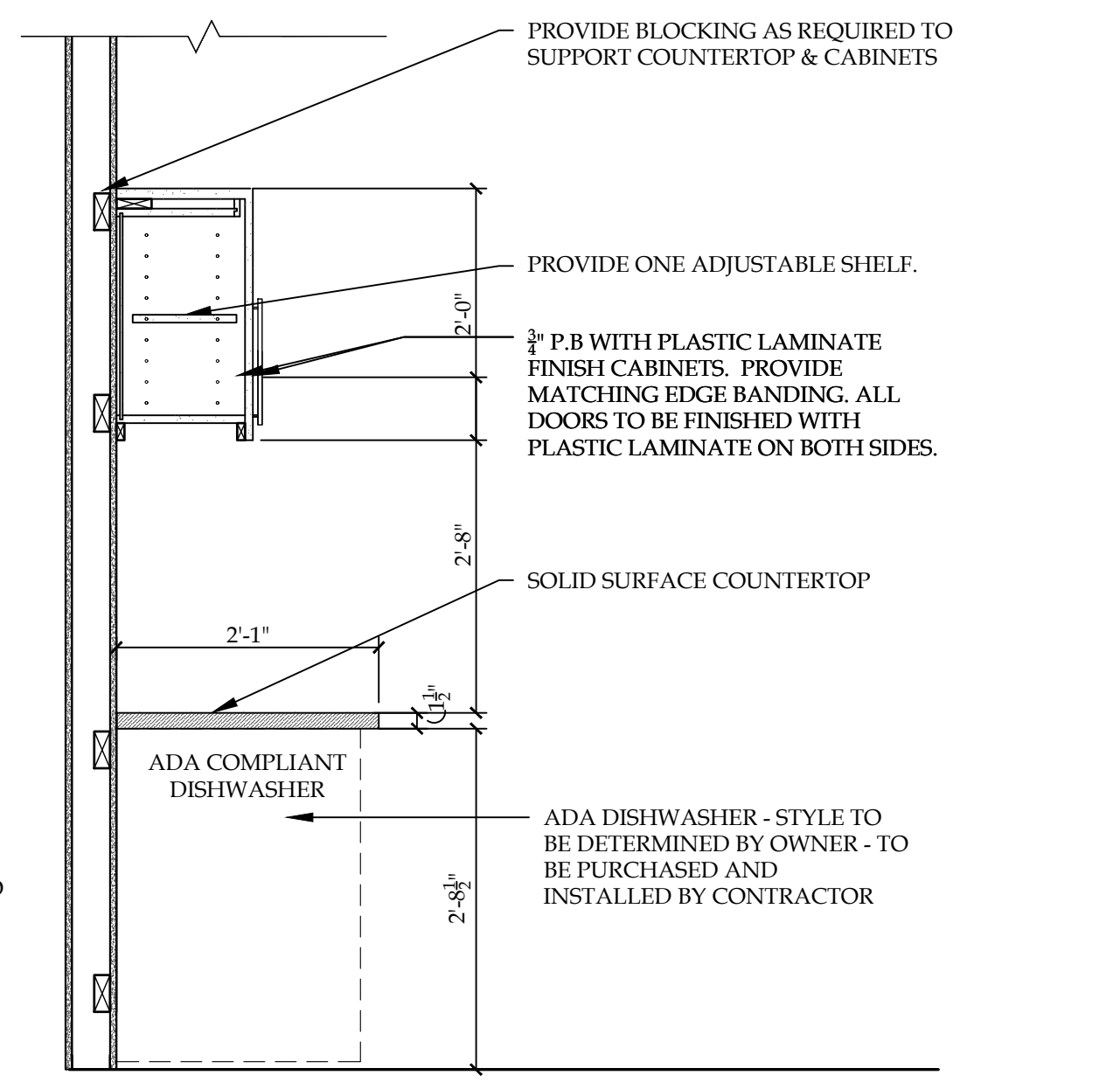
A1 SECTION @ TYPICAL MILLWORK SECTION  
SCALE: 3/4" = 1'-0"



A2 SECTION @ BREAK ROOM  
SCALE: 3/4" = 1'-0"



A3 SECTION @ MICROWAVE  
SCALE: 3/4" = 1'-0"



A4 SECTION @ DISHWASHER  
SCALE: 3/4" = 1'-0"

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**West Herr  
Toyota  
Body Shop  
Addition**  
8129 Main Street,  
Clarence, NY

ISSUE:  
2018-11-26 ISSUED FOR BID

SA PROJECT TEAM: PRINCIPAL P. Silvestri  
PROJ. ARCH. \_\_\_\_\_ DRAFTER \_\_\_\_\_  
JOB CAPT. \_\_\_\_\_ INTERIORS \_\_\_\_\_

**MILLWORK  
SECTIONS**



**SILVESTRI  
ARCHITECTS · PC**

1321 MILLERSPORT HWY PH. 716.691.0900  
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SA JOB #: 08029.10 DATE: 11-26-18

DRAWING #: **A-501**

### DOOR AND FRAME SCHEDULE

MARK	LOCATION	DOOR TYPE	DOOR SIZE			DOOR MATL		FRAME MATL		FRAME TYPE		FIRE RATING LABEL	HW SET NO	NOTES
			WD	HGT	THK	GLASS	GLASS	TYPE	HEAD	JAMB				
001	SERVICE DRIVE 117	FG	3'-0"	7'-0"	1 1/2"	ALUM	IT	ALUM	A	H5	J5	5	EXTERIOR DOOR	
002	WAITING 101	FG	3'-0"	7'-0"	1 1/2"	ALUM	IT	ALUM	A	H5	J5	5	EXTERIOR DOOR	
003	MANAGER 103	FG	3'-0"	7'-0"	1 1/2"	ALUM		ALUM	D	H2	J2	3		
004	COFFEE AREA 104	FG	3'-0"	7'-0"	1 1/2"	ALUM	IT	ALUM	B	H2	J2	5		
005	OFFICE 105	FG	3'-0"	7'-0"	1 1/2"	ALUM	IT	ALUM	C	H2	J2	5		
006	TOILET 108	F	3'-0"	7'-0"	1 1/2"	WD		HM	A	H1	J1	1		
007	CORRIDOR 109	F	3'-0"	7'-0"	1 1/2"	WD		HM	A	H3	J3	3		
008	BREAK ROOM 110	F	3'-0"	7'-0"	1 1/2"	WD		HM	A	H1	J1	2		
009	MEN'S 111	F	3'-0"	7'-0"	1 1/2"	WD		HM	A	H1	J1	6		
010	MEN'S LOCKERS 112	F	3'-0"	7'-0"	1 1/2"	WD		HM	A	H1	J1	6		
011	JANITOR 113	F	3'-0"	7'-0"	1 1/2"	WD		HM	A	H1	J1	4		
012	CORRIDOR 109	F	3'-0"	7'-0"	1 1/2"	WD		HM	A	H3	J3	3		
013	CORRIDOR 109	F	3'-0"	7'-0"	1 1/2"	HM		HM	A	H6	J6	5	EXTERIOR DOOR	
014	WOMEN'S 114	F	3'-0"	7'-0"	1 1/2"	WD		HM	A	H1	J1	6		
015	MECHANICAL 116	F	3'-0"	7'-0"	1 1/2"	HM		HM	A	H6	J6	5	EXTERIOR DOOR	
016	OVERHEAD DOOR	OH	10'-0"	9'-4"	1 1/2"	ALUM	IT	ALUM	-	H4	J4	-	EXTERIOR DOOR	
017	OVERHEAD DOOR	OH	10'-0"	9'-4"	1 1/2"	ALUM	IT	ALUM	-	H4	J4	-	EXTERIOR DOOR	
018	OVERHEAD DOOR	OH	10'-0"	9'-4"	1 1/2"	ALUM	IT	ALUM	-	H4	J4	-	EXTERIOR DOOR	
019	OVERHEAD DOOR	OH	10'-0"	9'-4"	1 1/2"	ALUM	IT	ALUM	-	H4	J4	-	EXTERIOR DOOR	

#### HARDWARE SCHEDULE

- \* PROVIDE SOLID WOOD BLOCKING AT ALL WALL STOPS
- \* ALL HARDWARE TO BE ADA COMPLIANT
- \* AT DOORS REQUIRED TO HAVE A FIRE RATING HARDWARE SHALL BE UL LISTED

<b>HARDWARE SET #1</b> EACH DOOR TO HAVE: 3- HINGES 1- PRIVACY SET 1- WALL STOP 3- DOOR SILENCERS	<b>HARDWARE SET #3</b> EACH DOOR TO HAVE: 3- HINGES 1- LEVER LOCK SET 1- CLOSER 1- WALL STOP 3- DOOR SILENCERS	<b>HARDWARE SET #5</b> EACH DOOR TO HAVE: 3 HINGES 1 CLOSER 1 LEVER LOCKSET 1 THRESHOLD FULL WEATHER STRIPPING
<b>HARDWARE SET #2</b> EACH DOOR TO HAVE: 3- HINGES 1- PASSAGE SET 1- WALL STOP 3- DOOR SILENCERS	<b>HARDWARE SET #4</b> EACH DOOR TO HAVE: 3- HINGES 1- STOREROOM LOCK SET 3- DOOR SILENCERS	<b>HARDWARE SET #6</b> EACH DOOR TO HAVE: 3- HINGES 1- PUSH PULL SET 1- OVERHEAD CLOSER 3- SILENCERS 1- KICKPLATE

#### MATERIAL LEGEND:

HM = HOLLOW METAL  
ALUM = ALUMINUM  
WD = WOOD  
T = 1/2" TEMPERED GLASS  
I = 1" INSULATING GLASS  
IT = 1" INSULATING TEMPERED GLASS

#### DOOR AND FRAME FINISHES:

HM = PAINT  
ALUM = CLEAR ANODIZED  
WD = STAIN

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**West Herr Toyota Body Shop Addition**  
8129 Main Street, Clarence, NY

ISSUE: 2018-11-26 ISSUED FOR BID

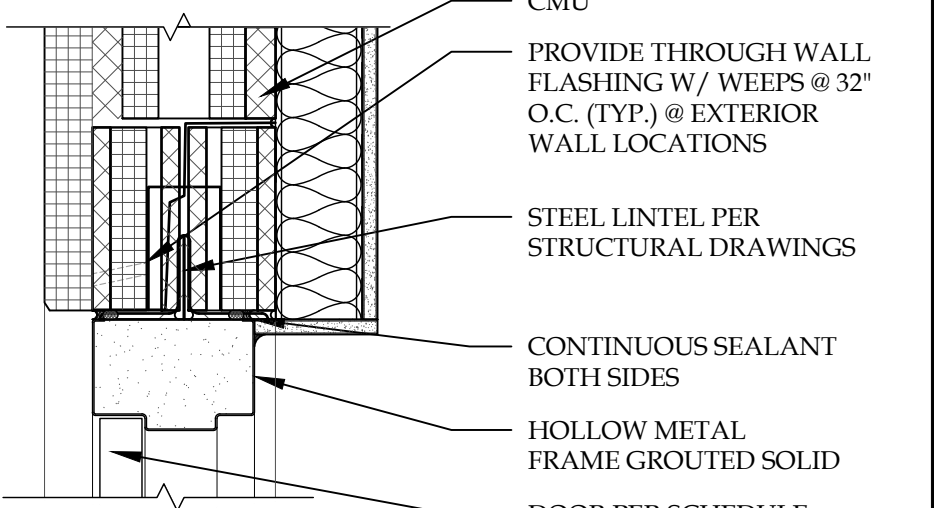
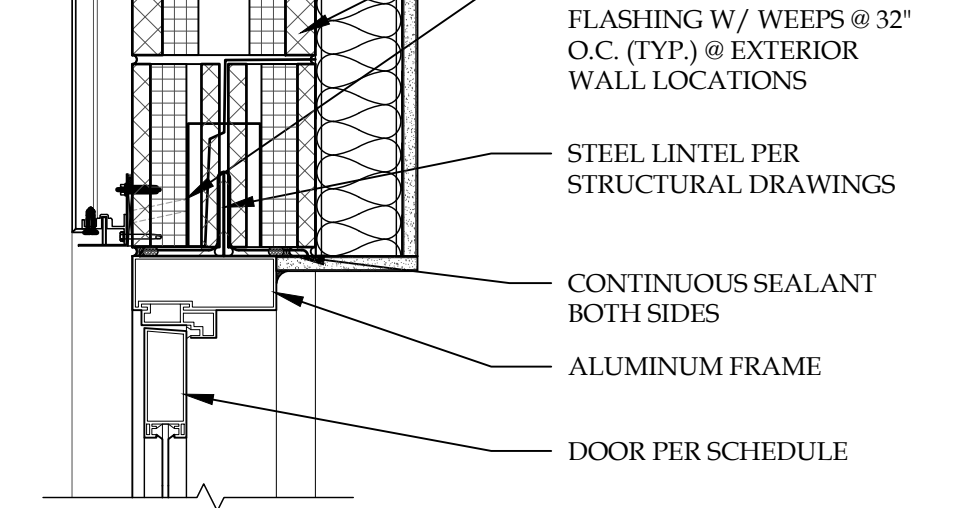
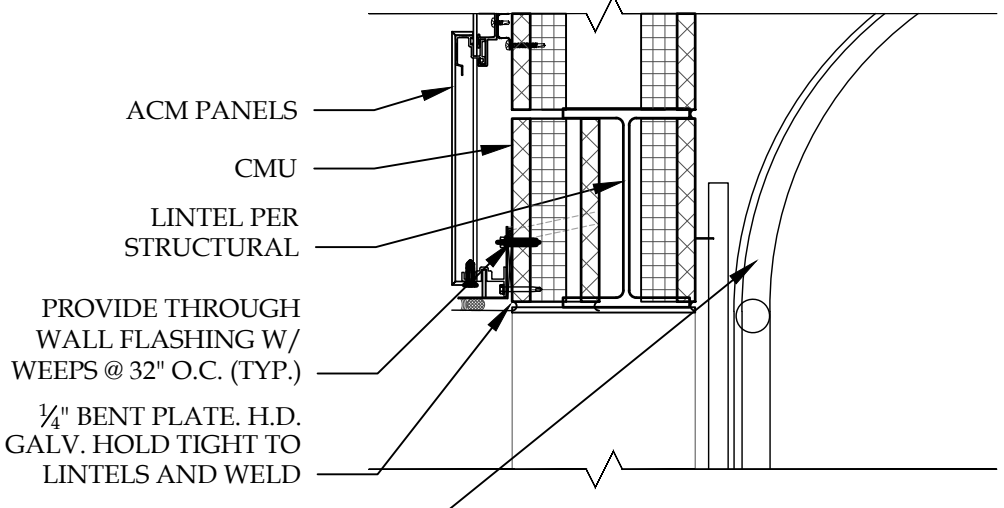
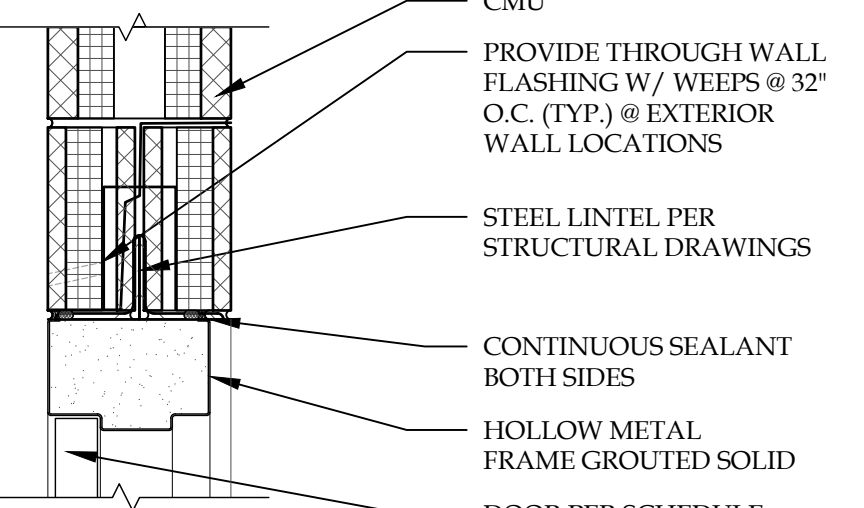
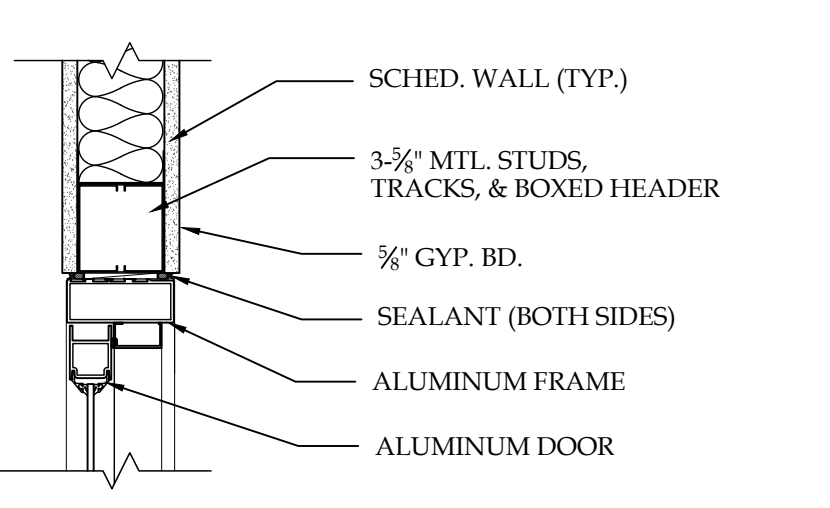
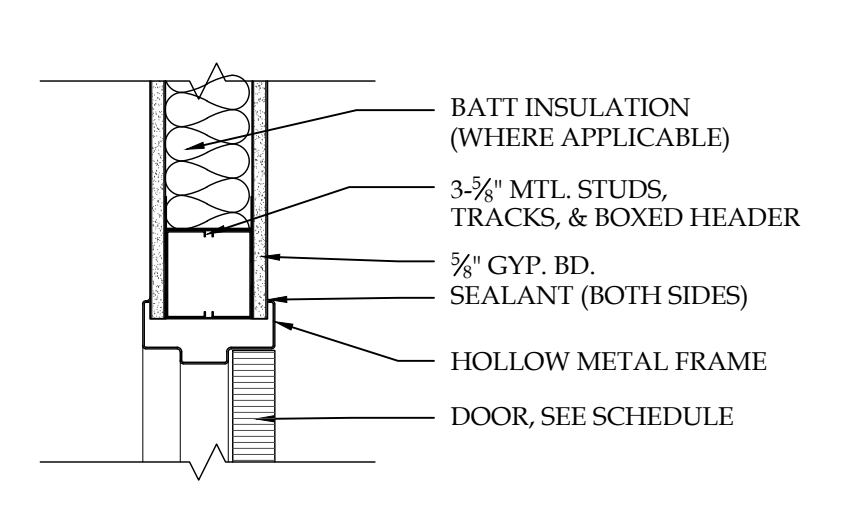
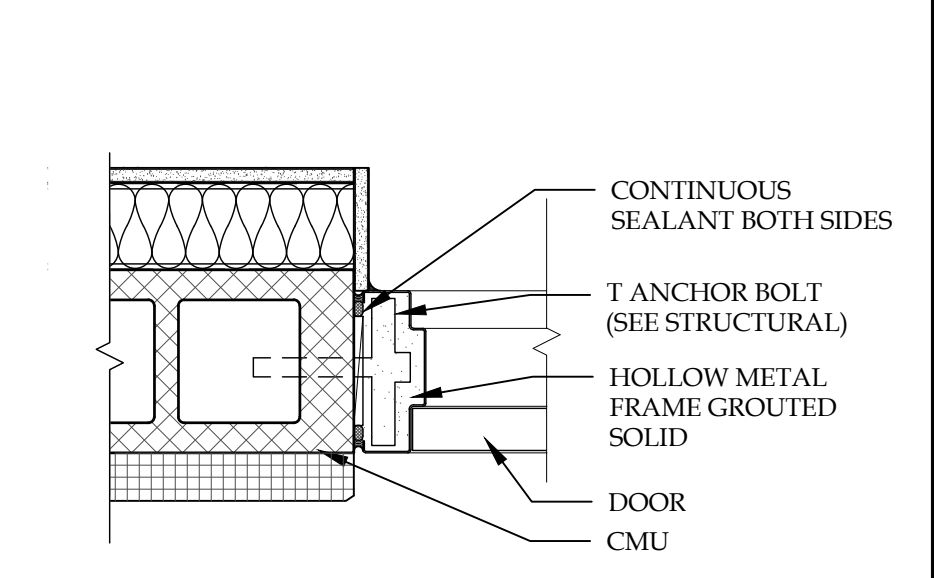
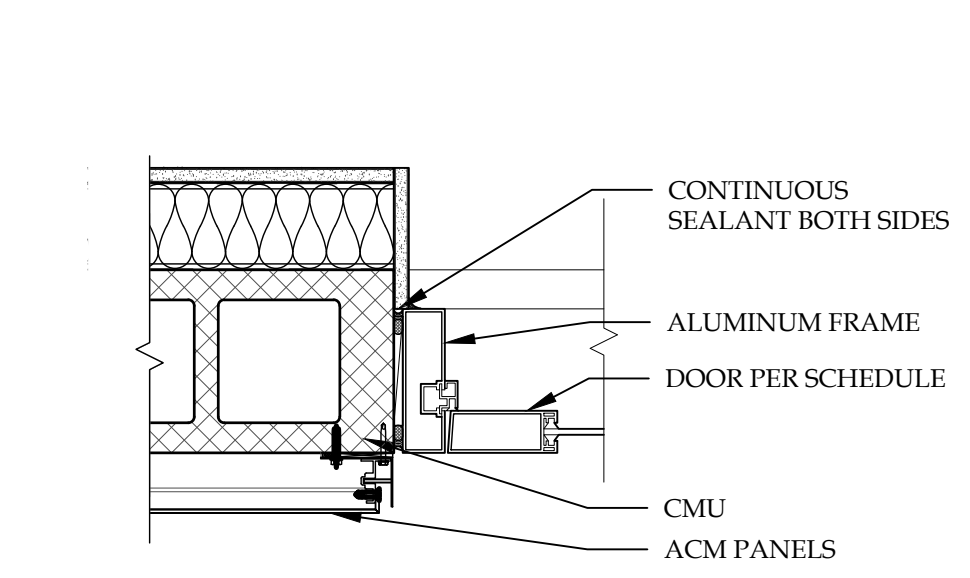
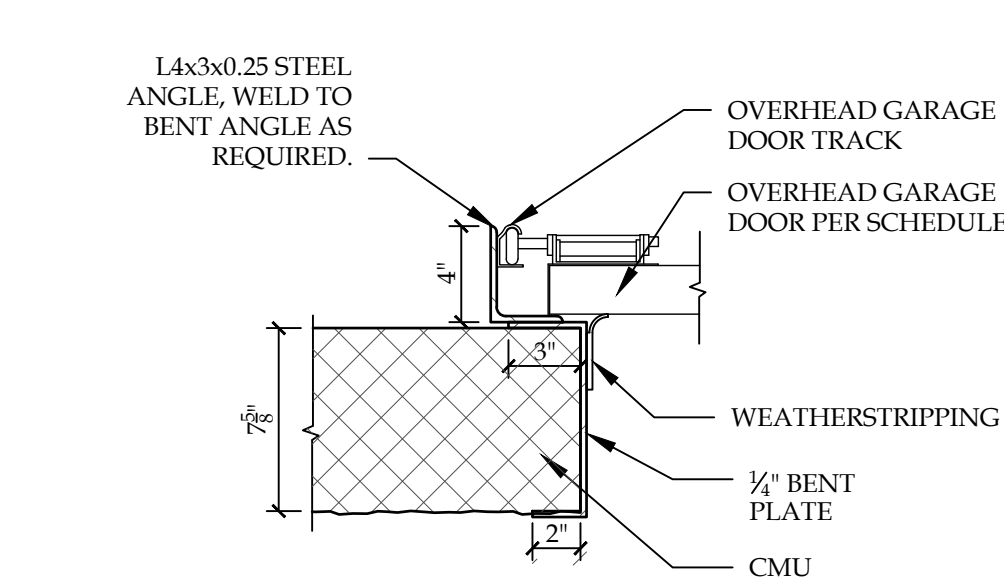
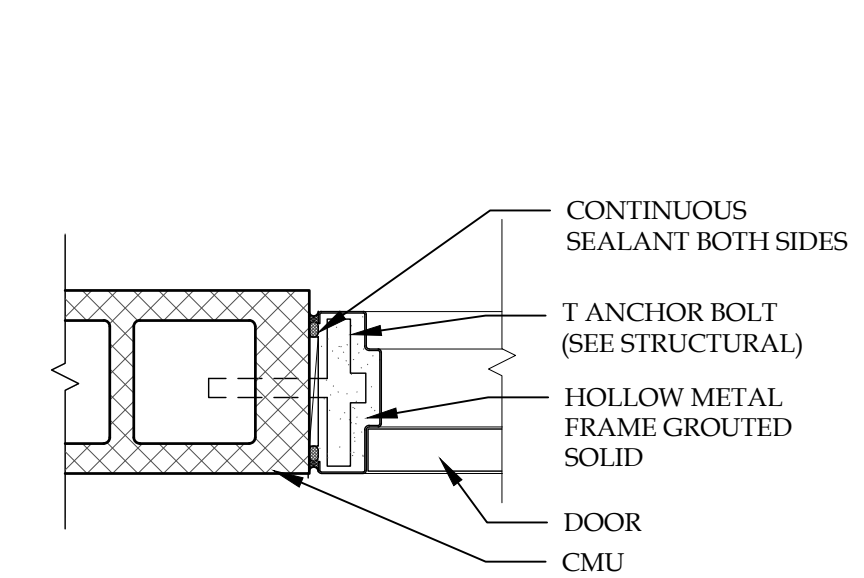
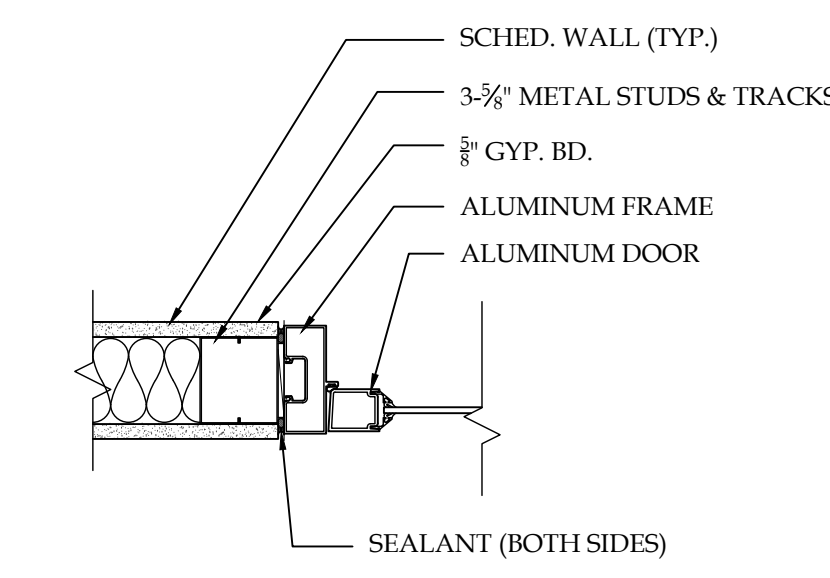
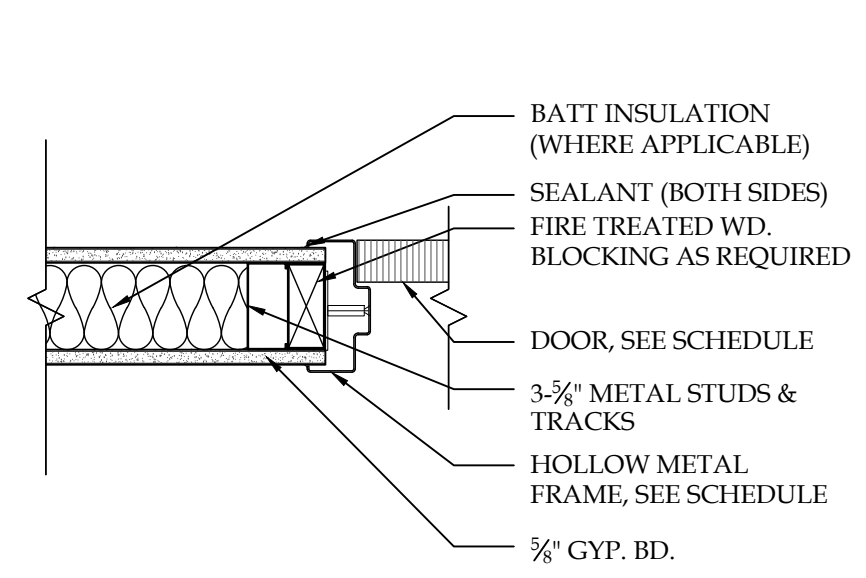
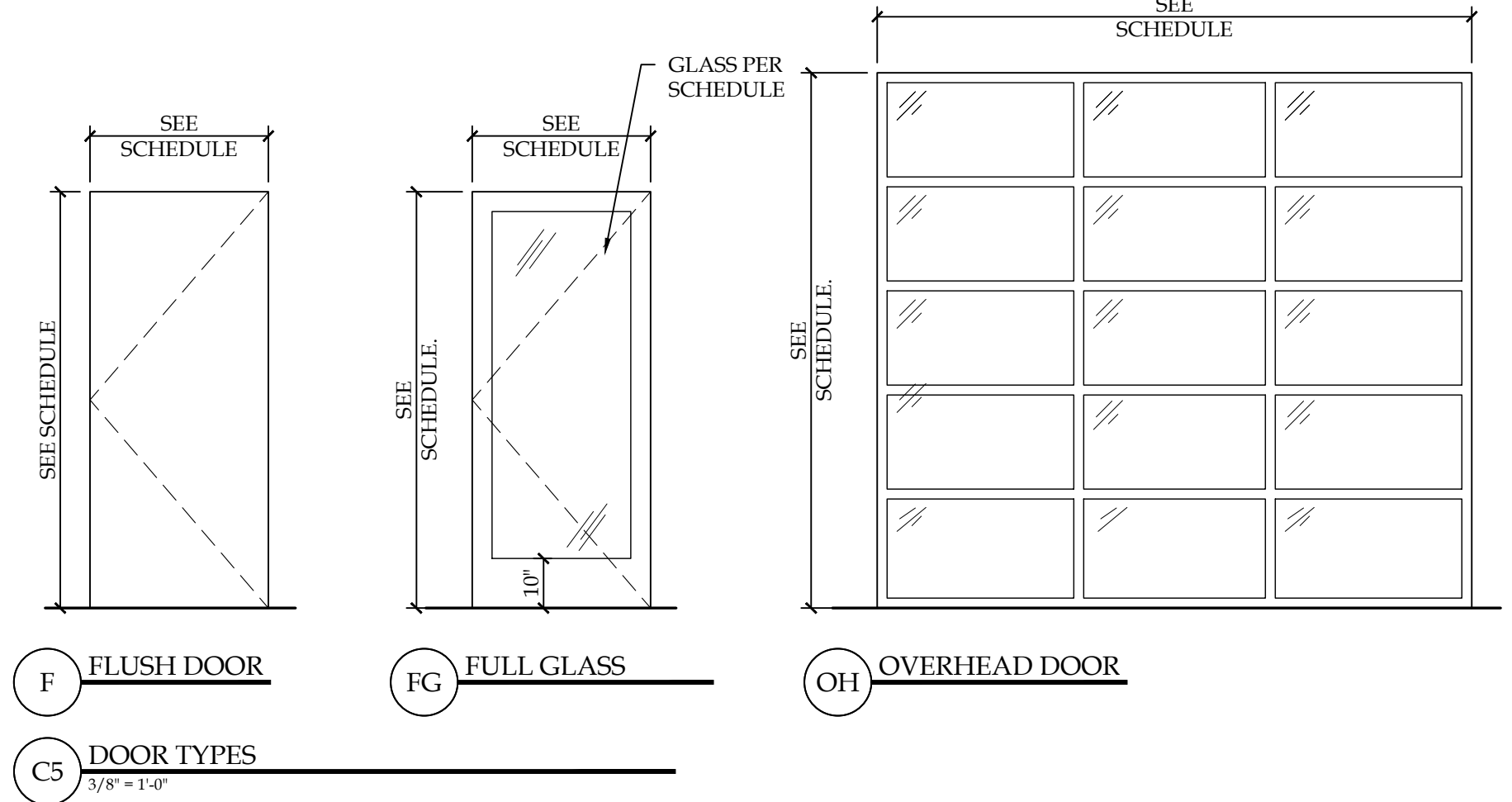
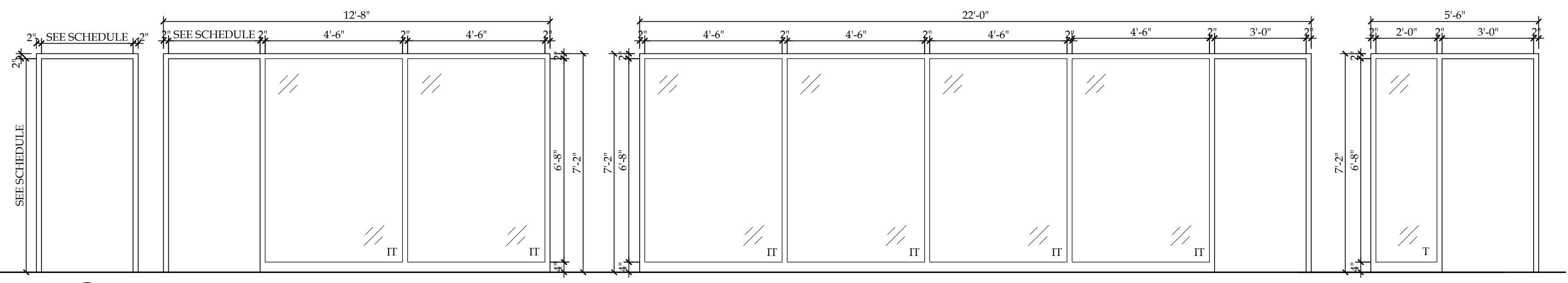
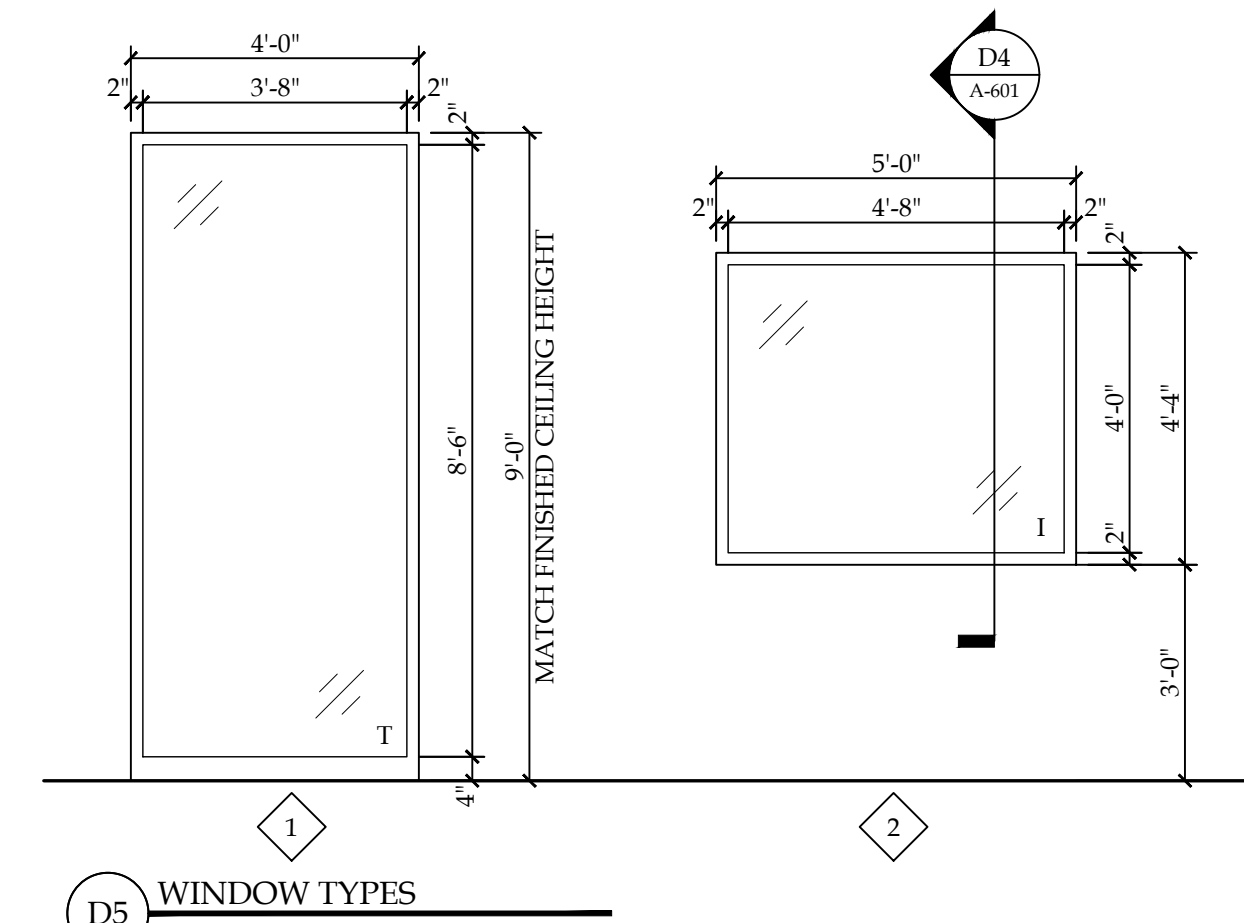
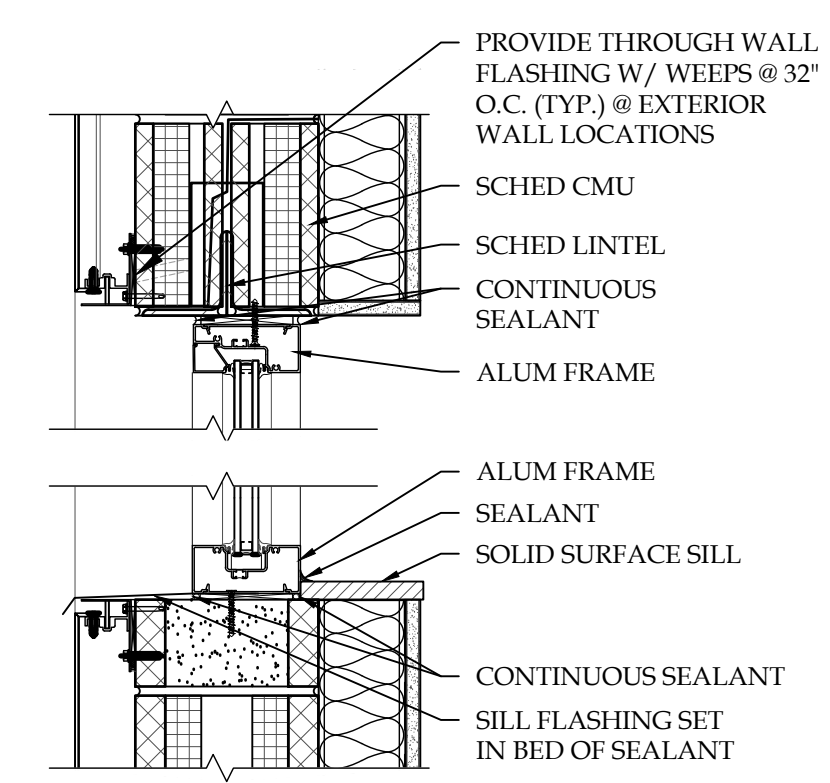
SA PROJECT TEAM: PRINCIPAL P. Silvestri  
PROJ. ARCH. \_\_\_\_\_ DRAFTER \_\_\_\_\_  
JOB CAPT. \_\_\_\_\_ INTERIORS \_\_\_\_\_

TITLE: **DOOR SCHEDULE & DETAILS**



SA JOB #: 08029.10 DATE: 11-26-18

DRAWING #: **A-601**



A1 DOOR HEAD & JAMB DETAILS 1/12" = 1'-0"

### ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR	BASE	WALLS	CEILING		MILLWORK /SHROUD	COUNTER TOP	REMARKS
					MATERIAL	HEIGHTS			
101	WAITING	T-X	TB-X	GYP-P-X-EG	ACT-1	8'-6"			
102	RECEPTION	T-X	TB-X	GYP-P-X-EG	GYP	8'-6"	PL-X	SS-X	
103	MANAGER	CPT-1	B-X	GYP-P-X-EG	ACT-1	8'-6"			
104	COFFEE BAR	T-X	TB-X	GYP-P-X-EG	ACT-1	8'-6"			
105	OFFICE	CPT-1	B-X	GYP-P-X-EG	ACT-1	8'-6"			
106	CORRIDOR	T-X	TB-X	GYP-P-X-EG	ACT-1	8'-6"			
107	OFFICE	CPT-1	B-X	GYP-P-X-EG	ACT-1	8'-6"			
108	OFFICE	CPT-1	B-X	GYP-P-X-EG	ACT-1	8'-6"			
109	TOILET	T-X	--	GYP-P-X-EG/WT-X	GYP	8'-6"	PL-X	SS-X	
110	CORRIDOR	T-X	B-X	GYP-P-X-EG	ACT-1	8'-6"			
111	BREAKROOM	T-X	TB-X	GYP-P-X-EG	ACT-1	8'-6"			
112	MEN'S	T-X	--	GYP-P-X-EG/WT-X	GYP	8'-6"			
113	MEN'S LOCKER ROOM	T-X	--	GYP-P-X-EG/WT-X	GYP	8'-6"			
114	JANITOR	T-X	--	GYP-P-X-EG/FRP-X	GYP	8'-6"			
115	WOMEN'S	T-X	--	GYP-P-X-EG/WT-X	GYP	8'-6"			
116	WOMEN'S LOCKER ROOM	T-X	--	GYP-P-X-EG/WT-X	GYP	8'-6"			
116	MECH	SC	B-X	GYP-P-X-EG	ACT-1	8'-6"			

ROOM FINISH LEGEND			
FLOORS	WALLS	MISCELLANEOUS	MATERIALS
CPT = CARPET	FRP = FIBER REINFORCED PANEL	CAB = CABINET	P.B. = PARTICLE BOARD
LVT = LUXURY VINYL TILE	GWB = GYPSUM WALL BOARD	DR = DRAPERY	GYP = GYPSUM BOARD
SC = SEALED CONCRETE	P = PAINT	EG = EGG SHELL	
SF=SPORTS FLOOR	WC = WALLCOVERING	MISC = MISCELLANEOUS	
T = TILE	WT = WALL TILE	PL = PLASTIC LAMINATE	
VCT = VINYL COMPOSITE TILE		SS = SOLID SURFACE	
	<u>CEILING</u>	ST = STAIR	
<u>BASE</u>	ACT = ACOUSTIC CEILING TILE	TS = TRANSITION STRIP	
RB = RUBBER BASE	GYP = GYPSUM BOARD	WS = WOOD STAIN	
TB = TILE BASE		WV = WOOD VENEER	
WB = WOOD BASE	<u>DOORS</u>		
	WD = WOOD DOOR		

FINISH SELECTIONS	
<b>PAINT (P-X):</b> <b>(P-1) GENERAL WALL COLOR</b> MANUFACTURER: SHERWIN WILLIAMS COLOR: TO BE SELECTED FINISH: SATIN	
<b>(P-2) ACCENT -</b> MANUFACTURER: SHERWIN WILLIAMS COLOR: TO BE SELECTED FINISH: SATIN	
<b>(P-3) TRIM -</b> MANUFACTURER: SHERWIN WILLIAMS COLOR: TO BE SELECTED FINISH: SEMI-GLOSS	
<b>CARPET (CPT-X):</b> <b>(CPT-1)</b> MANUFACTURER: TO BE SELECTED COLLECTION: TO BE SELECTED STYLE: TO BE SELECTED COLOR: TO BE SELECTED SIZE: TO BE SELECTED INSTALLATION: TO BE SELECTED	
<b>BASE (B-X):</b> <b>(B-1)</b> MANUFACTURER: TO BE SELECTED STYLE: TO BE SELECTED COLOR: TO BE SELECTED HEIGHT: TO BE SELECTED	
<b>TILE (T-X):</b> <b>(T-1)</b> MANUFACTURER: TO BE SELECTED COLLECTION: TO BE SELECTED STYLE: TO BE SELECTED COLOR: TO BE SELECTED SIZE: TO BE SELECTED INSTALLATION: TO BE SELECTED	
<b>TILE BASE (TB-X):</b> <b>(TB-1)</b> MANUFACTURER: TO BE SELECTED STYLE: TO BE SELECTED COLOR: TO BE SELECTED HEIGHT: TO BE SELECTED	
<b>SOLID SURFACE (SS-X):</b> <b>(SS-1) RECEPTION</b> MANUFACTURER: TO BE SELECTED STYLE: TO BE SELECTED FINISH: TO BE SELECTED	
<b>PLASTIC LAMINATE (PL-X):</b> <b>(PL-1)</b> MANUFACTURER: TO BE SELECTED STYLE: TO BE SELECTED	
<b>ACOUSTICAL CEILING TILE (ACT-X):</b> <b>(ACT-1)</b> MANUFACTURER: TO BE SELECTED STYLE: TO BE SELECTED COLOR: TO BE SELECTED SIZE: TO BE SELECTED THICKNESS: TO BE SELECTED SUSPENSION SYS: TO BE SELECTED COLOR: WHITE	
<b>FIBERGLASS REINFORCED PANELS (FRP-X):</b> <b>(FRP-1)</b> MANUFACTURER: TO BE SELECTED STYLE: TO BE SELECTED FINISH: TO BE SELECTED	

### GENERAL NOTES

- G1. NO CHANGES OR SUBSTITUTIONS SHALL BE MADE TO THE FOLLOWING FINISHES UNLESS DIRECTED BY THE OWNER OR THE ARCHITECT.
- G2. MANY FINISH MATERIALS REQUIRE A SUBSTANTIAL LEAD TILE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ORDER ALL MATERIALS AT THE APPROPRIATE TIME. ANY FEES INCURRED AS A RESULT OF FINISHES NOT BEING ORDERED ON TIME WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- G3. ANY AND ALL FINISH SELECTIONS/COLORS MUST BE SUBMITTED TO THE ARCHITECT FOR APPROVAL. ACCOUNTING FOR PROPER LEAD TILE. ANY FINISH THAT IS INSTALLED WITHOUT ARCHITECTS APPROVAL MAY BE REQUIRED TO BE REMOVED AND REPLACED BY THE GENERAL CONTRACTOR.
- G4. CONTACT THE ARCHITECT FOR CLARIFICATION IN THE EVENT OF CONTRADICTORY INFORMATION BETWEEN DRAWINGS, LEGEND, AND/OR SPECIFICATIONS.
- G5. IF COLOR OR FINISH IS NOT SPECIFIED CONTACT THE ARCHITECT FOR CLARIFICATION.
- G6. ALL PAINTING, INCLUDING MEP ITEMS THAT REQUIRE PAINTING, IS UNDER THE PAINTER'S SCOPE OF WORK.
- G7. ALL INTERIOR PRODUCTS TO MEET/EXCEED FLAME SPREAD RATING PER CODE.
- G8. PROVIDE MOISTURE RESISTANT GREEN BOARD AROUND 3 WALL SURROUND OF ALL DRINKING FOUNTAINS.
- G9. ALL BRACKET'S SUPPORTING SHELVING/ ADJUSTABLE SHELVING TO BE EXTRA HEAVY DUTY AND PAINTED TO MATCH ADJOINING WALL.
- G10. ALL HARDWARE TO BE SELECTED.
- G12. ALL SURFACES TO RECEIVE 1 PRIMER PAINT COAT AND 2 FINISH PAINT COATS.
- CEILINGS:**
- G1. ALL GYPSUM BOARD CEILINGS AND GYPSUM BOARD SOFFITS SHALL BE FINISHED TO LEVEL 4 DRYWALL FINISH AND ARE TO BE PAINTED IN A FLAT FINISH. COLOR TO BE SHERWIN WILLIAMS - CEILING WHITE, UNLESS OTHERWISE NOTED.
- G2. ALL EXPOSED MECHANICAL DUCT COVERS SHALL BE PAINTED TO MATCH THE SURROUNDING WALL/CEILING COLOR. PRIME AS NECESSARY.
- G3. PROVIDE A SMOOTH LEVEL 4 FINISH ON ALL GWB CEILINGS.
- WALLS:**
- G1. ALL GYPSUM WALLS SHALL BE FINISHED TO LEVEL 4 DRYWALL FINISH AND INCLUDE (1) COAT WALL PRIMER FOLLOWED BY (2) COATS WALL PAINT ON ALL INTERIOR WALL SURFACE UNLESS OTHERWISE NOTED IN SPECIFICATIONS. SEE SPEC FOR DETAILS.
- G2. ALL SURFACE MOUNTED CONDUITS SHALL BE PAINTED TO MATCH WALL PAINT.
- G3. REFERENCE FINISH FLOOR PLAN FOR ACCENT COLOR LOCATIONS.
- G6. WHERE DARK PAINT COLORS ARE APPLIED, USE DEEP GRAY BASE PRIMER TO PREVENT BURNISHING.
- FLOORS:**
- G1. CONDUCT MOISTURE TESTS ON ALL CONCRETE SLABS WHERE FINISH MATERIALS ARE SCHEDULED. RECORD PASSING MOISTURE LEVELS PRIOR TO THE START OF INSTALLATION. REFERENCE MANUFACTURER'S INSTALLATION SPECIFICATIONS FOR EACH FLOOR FINISH TYPE TO VERIFY REQUIREMENTS.
- G2. CONTRACTOR TO PROVIDE (1S-1) AT ALL FLOORING MATERIAL CHANGED NEEDING THRESHOLDS. NECESSARY SIZES TO BE DETERMINED BY CONTRACTOR AND V.I.F. BASED ON MATERIAL THICKNESS.
- G3. INSTALL DIRECTIONAL FLOORING ORIENTED AS SPECIFIED ON THE FINISH PLAN.
- G4. ALL FLOOR FINISHES TO EXTEND BELOW ALL MILLWORK.
- MILLWORK:**
- G1. PROVIDE CLEAR BEAD OF SILICONE OR CLEAR CAULK TO SEAL BETWEEN MILLWORK PIECES (IE: COUNTERTOP AND BACKSPLASH) AND MILLWORK AND WALL (TYPICAL).
- G2. ALL COLOR SELECTION OF METAL SUPPORTS TO MATCH ADJACENT WALL.
- G3. MILLWORK FINISHES ON SHOP DRAWINGS MUST BE APPROVED BY ARCHITECT PRIOR TO PRODUCTION.
- G5. ALL CABINET HARDWARE TO BE SELECTED.
- G8. ALL PLASTIC LAMINATE CABINET DOORS TO BE FINISHED IN PLASTIC LAMINATE ON BOTH SIDES TO PREVENT WARPING.
- OUTLETS:**
- G1. ALL ELECTRICAL DEVICES (OUTLET, SWITCHES, COVERS, ETC) TO BE SELECTED.
- SIGNAGE:**
- G1. SIGNAGE LOCATIONS WILL NEED TO BE PROVIDED AND INSTALLED BY CONTRACTOR. TO BE SELECTED AND APPROVED BY ARCHITECT AND CLIENT PRIOR TO MANUFACTURER/ PURCHASE TO BE PROVIDED BY ASI SIGNAGE.
- JANITORIAL:**
- G1. FRP-1 TO BE INSTALLED UP TO 48" AFF WITH SPECIFIED PAINT ABOVE.

### NOTICE

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**West Herr  
Toyota  
Body Shop  
Addition**

8129 Main Street,  
Clarence, NY

ISSUE:  
2018-11-26 ISSUED FOR BID

SA PROJECT TEAM: PRINCIPAL P.Silvestri  
PROJ. ARCH. \_\_\_\_\_ DRAFTER \_\_\_\_\_  
JOB CAPT. \_\_\_\_\_ INTERIORS \_\_\_\_\_

SEAL:

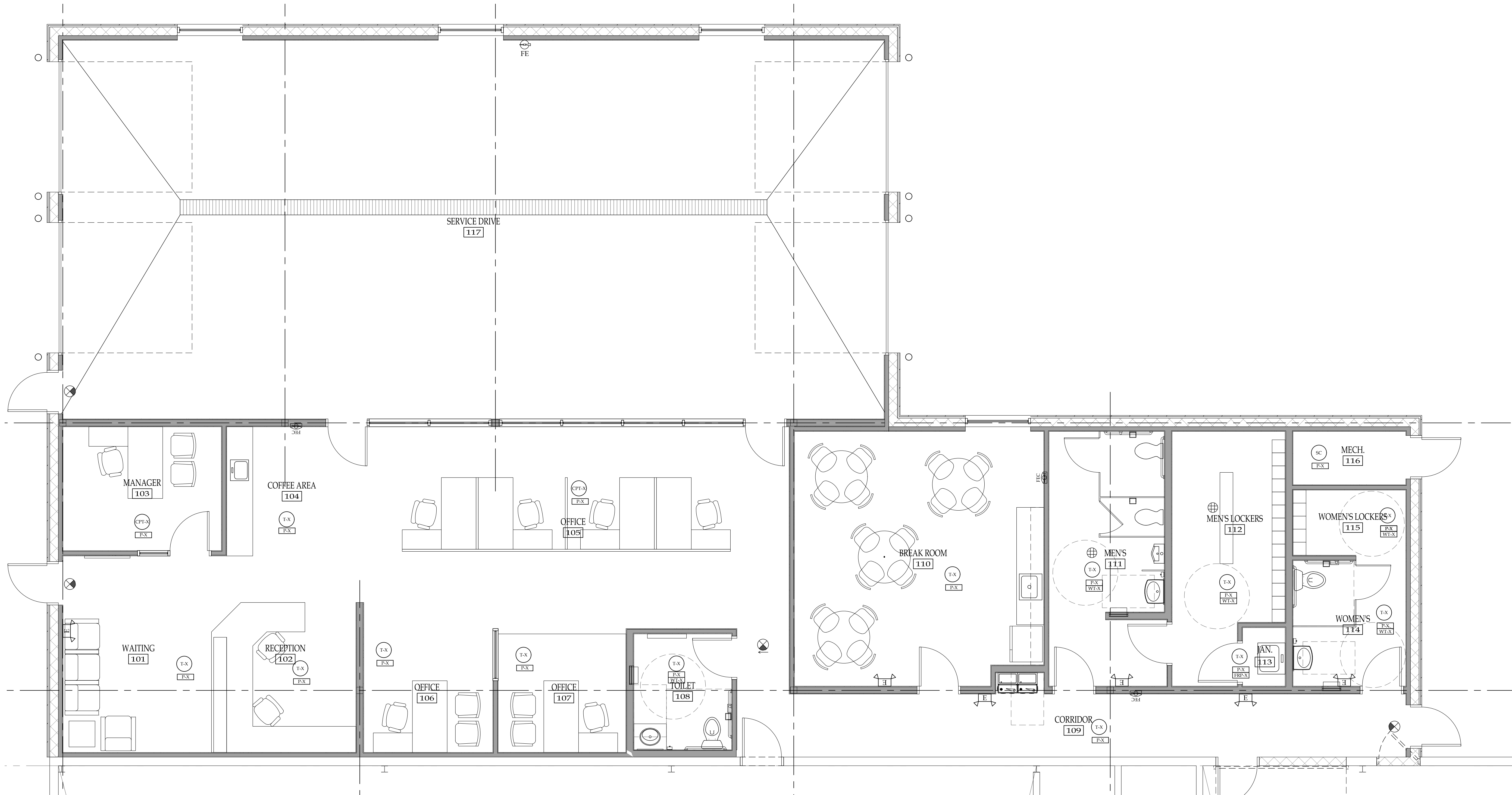
TITLE:  
**FINISH  
LEGEND &  
SCHEDULE**



SA JOB #: 08029.10 DATE: 11-26-18

DRAWING #: **A-602**

FINISH LEGEND	
(X-X)	FLOOR FINISH
[X-X]	WALL FINISH



A1 FLOOR PLAN  
1/4" = 1'-0"

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## West Herr Toyota Body Shop Addition

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Clarence, NY

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JOB CAPT. \_\_\_\_\_ INTERIORS \_\_\_\_\_

SEAL:

TITLE:

## FINISH FLOOR PLAN

**SILVESTRI**  
ARCHITECTS · PC

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SA JOB #: 08029.10 DATE: 11-26-18

DRAWING #: A-603