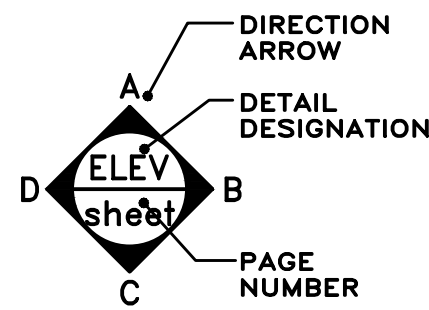


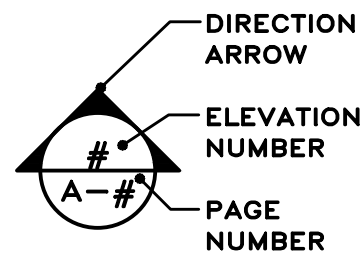
BUILDING RENOVATIONS FOR:
HENRY COUNTY HIGHWAY DEPT.
1343 BALES ROAD
NAPOLEON, OHIO 43545

- # DOOR NUMBER
- A WINDOW DESIGNATION
- # KEYNOTE DESIGNATION
- # REVISION NUMBER
- # COLUMN LINE NUMBER OR LETTER
- EP ELECTRICAL PANEL
- DS DOWNSPOUT
- FD FLOOR DRAIN
- FCO FLOOR CLEANOUT
- G.C. GENERAL CONTRACTOR
- P.C. PLUMBING CONTRACTOR
- M.C. MECHANICAL CONTRACTOR
- E.C. ELECTRICAL CONTRACTOR
- F.P.C. FIRE PROTECTION CONTRACTOR
- A.F.F. ABOVE FINISHED FLOOR
- F.F.E. FINISHED FLOOR ELEVATION
- U.N.O. UNLESS NOTED OTHERWISE
- N.I.C. NOT IN CONTRACT
- M.O. MASONRY OPENING
- R.O. ROUGH OPENING
- P.T. PRESERVATIVE TREATED
- F.R.T. FIRE RETARDANT TREATED
- P.E.M.B. PRE-ENGINEERED METAL BUILDING

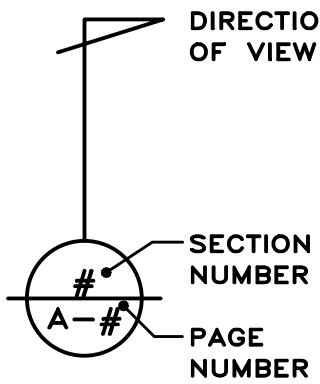
DWG. SYMBOLS & NOTATIONS



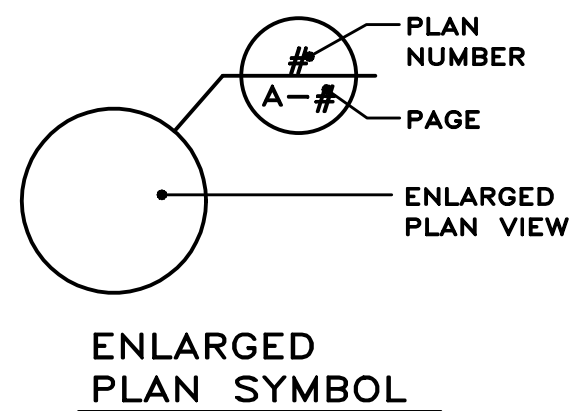
4 WALL ELEVATIONS



WALL ELEVATION SYMBOL

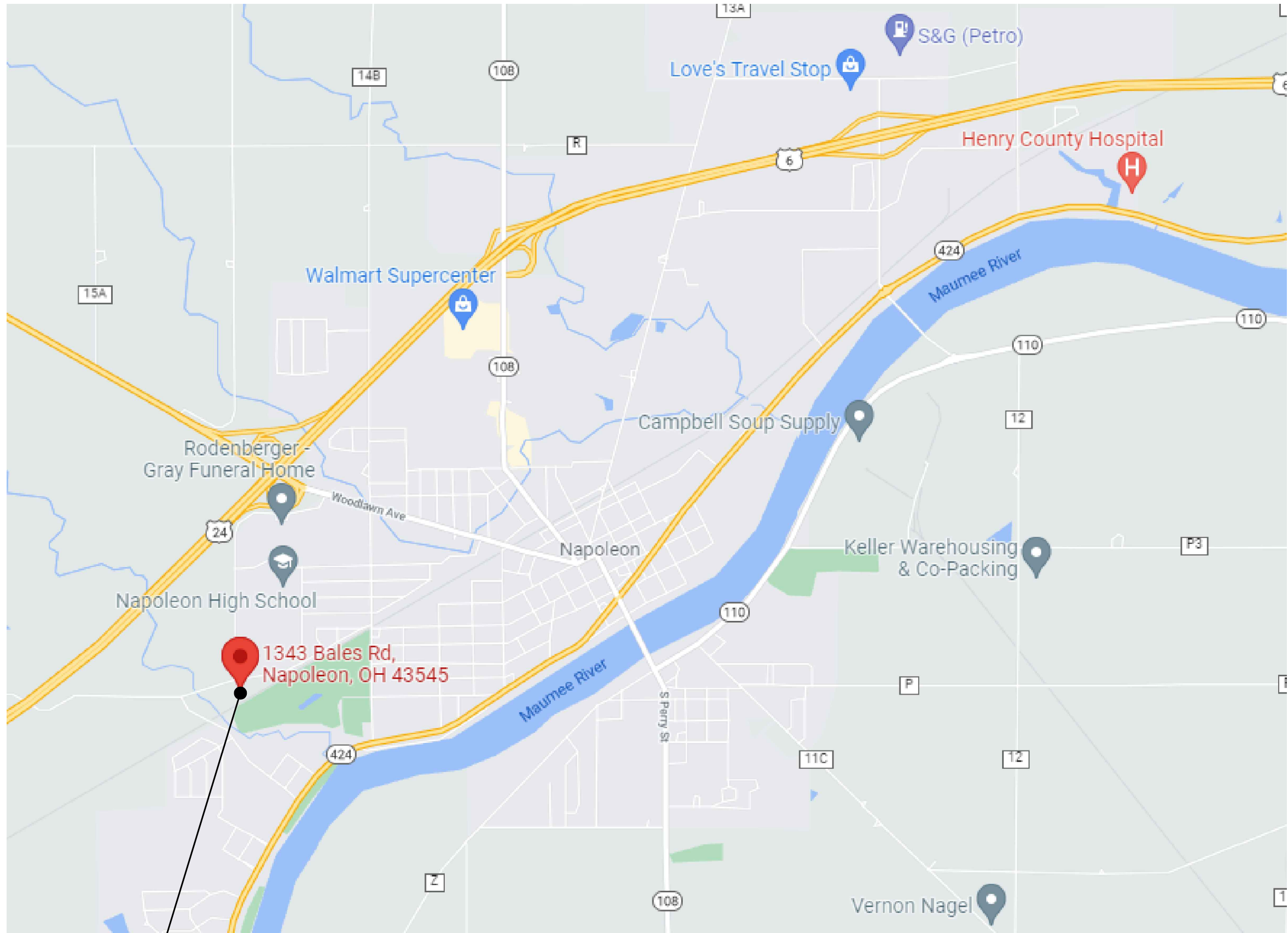


BLDG./WALL SECTION SYMBOL



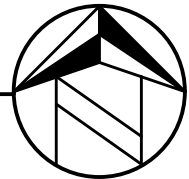
CROSS REFERENCES

ARCHITECT/ENGINEER
TECHNICON DESIGN GROUP, INC.
1800 N. PERRY ST., SUITE 102
OTTAWA, OHIO 45875
PHONE: (419) 523-5323
FAX: (419) 523-9441
CONTACT:
GILLIAN STECHSCHULTE, PROJECT ARCHITECT
KEVIN NIESE, PROJECT MANAGER



SITE

NAPOLEON, OHIO
SITE LOCATION MAP
NO SCALE



BUILDING CODES

BUILDING CODE	2017 OBC
PLUMBING CODE	2017 OPC
MECHANICAL CODE	2017 OMC
ELECTRICAL CODE	2017 NEC
ENERGY CODE	ASHRAE 90.1 (2010)
ACCESSIBILITY	ICC A117.1 (2009)

DRAWING INDEX

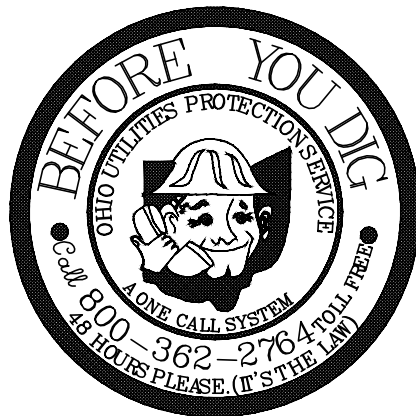
COVER	SITE LOCATION MAP
CODE COMPLIANCE	
G101	CODE COMPLIANCE PLAN, DESIGN LOAD DATA AND CODE COMPLIANCE DATA

ARCHITECTURAL

D100	DEMOLITION PLAN
A101	FLOOR PLAN AND DETAILS
A121	ROOF PLAN AND DETAILS
A201	EXTERIOR BUILDING ELEVATIONS, DOORS AND WINDOWS
A301	BUILDING SECTIONS AND DETAILS
A302	BUILDING SECTIONS AND DETAILS
A501	DETAILS
A801	ALTERNATE G-1

PLUMBING

P100	PLUMBING DEMOLITION PLAN
P101	PLUMBING FLOOR PLAN
P201	SANITARY ISOMETRIC, SCHEDULE AND DETAILS
P901	PLUMBING SPECIFICATIONS



TDG **Technicon Design Group**

ARCHITECTURE . ENGINEERING . DESIGN
1800 N PERRY STREET, SUITE 102, OTTAWA, OH 45875 P:419.523.5323
www.technicondesigngroup.com

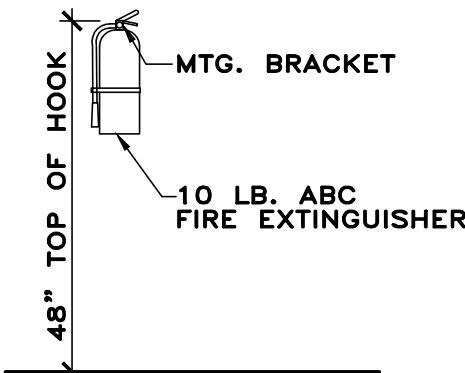
ISSUED DATE
12-22-21 OWNER REVIEW
02-07-22 OWNER REVIEW
02-14-22 OWNER/CONTR REVIEW
02-24-22 FOR BIDS/PERMITS

Gillian Stechschulte
License #ARC1516394
Expiration Date 12/31/23

SCOPE OF WORK:

REMOVAL OF ALL EXTERIOR FACE BRICK AND METAL WALL PANELS AT PERIMETER AND INSTALL NEW METAL WALL PANELS OVER EXISTING INSULATED PANELS. REMOVAL OF 6" CMU'S AT NORTH, EAST AND WEST WALLS OF GARAGE 101. REMOVAL AND REPLACE CONCRETE FLOORS IN GARAGE 101 AND SHOP 102 AREAS. INSTALLATION OF NEW TRENCH DRAIN AND OIL INTERCEPTOR. REPLACE ALL EXTERIOR DOORS AND WINDOWS. NEW INSULATION AND PVC ROOF. ALL ROOF FRAMING MEMBERS IN GARAGE 101 AND SHOP 102 TO BE PAINTED. SECTIONS OF EXTERIOR 12" CONCRETE WALL TO BE REPLACED. INSTALLATION OF NEW RECESSED FLOOR LIFT. LIFT PROVIDED BY OWNER.

NEW RENOVATIONS DO NOT OBSTRUCT ANY EXISTING PATHS OF EGRESS. NO NEW INTERIOR WALLS, NO REMOVAL OF EXISTING DOORS. ONE (1) NEW EXTERIOR DOOR TO BE ADDED.



1 FIRE EXTINGUISHER MOUNTING DETAIL
SCALE: N.T.S.

SYMBOLS LEGEND

- NOMINAL EXIT CAPACITY OF EACH DOOR OR PAIR OF DOORS (ACCESSIBLE)
- ROOM OCCUPANT LOAD
- EXIT/EMERGENCY LIGHT W/ REMOTE EGRESS
- EXIT/EMERGENCY LIGHT
- EXIT/EMERGENCY LIGHT - DIRECTIONAL
- EMERGENCY LIGHT
- DIRECTION OF EGRESS TRAVEL
- ORIGIN OF EGRESS TRAVEL
- ORIGIN OF MAXIMUM TRAVEL DISTANCE

CODE COMPLIANCE KEYNOTE LEGEND

- EXISTING FIRE EXTINGUISHER ON MTG. BRACKET. DETAIL 1/G101.

APPLICABLE BUILDING CODES

BUILDING CODE	2017 OBC
PLUMBING CODE	2017 OPC
MECHANICAL CODE	2017 OMC
ELECTRICAL CODE	2017 NEC
ENERGY CODE	ASHRAE 90.1 (2010)
ACCESSIBILITY	ICC A117.1 (2009)

2017 OBC CODE COMPLIANCE DATA

OWNER	NAME	HENRY COUNTY HIGHWAY DEPARTMENT
	ADDRESS	1343 BALES ROAD NAPOLEON, OHIO 43545
	CONTACT	STEVE EBERLE
	PHONE	419-592-5946
	EMAIL	seberle@henrycountyengineer.com
SUBMITTER	NAME	TECHNICON DESIGN GROUP, INC.
	ADDRESS	1800 NORTH PERRY ST. SUITE 102 OTTAWA, OHIO 45875
	PHONE	419-523-5323
	FAX	419-523-9441
	EMAIL	info@technicondesigngroup.com
DESIGNER TYPE	X ARCHITECT	o ENGINEER
	o CERTIFIED DESIGNER	
DESIGN CRITERIA	TYPE OF CONSTRUCTION	2B
	CURRENT USE GROUP	S1/B
	PROPOSED USE GROUP	S1/B
	BUILDING HEIGHT	22'-7" (PARAPET)
	NUMBER OF STORIES	1
	OCCUPANT LOAD	NO CHANGE
	STORAGE HEIGHT	N/A
	STORAGE AISLE WIDTH	N/A
	MIXED USE GROUP	YES
	SEPARATED	NO
TOTAL BUILDING AREA	17,436 S.F.	
	AREA OF ALTERATION	17,436 S.F.
	OPEN AREA INCREASE	N/A
	FIRE SUPPRESSION INCREASE	NO
	SPECIAL INSPECTIONS	N/A

DESIGN LOAD DATA

GRAVITY LOADS	FLOOR LIVE UNIFORMLY DISTRIBUTED - SLAB	125 PSF
	ON GRADE CONCENTRATED (lbs)	2,000 LBS
	ROOF LIVE	20 PSF
SNOW LOADS	ROOF DEAD	10 PSF
	GROUND SNOW LOAD (Pg)	14 PSF
	FLAT SNOW LOAD (Pf)	20 PSF
	SNOW EXPOSURE FACTOR (Co)	1.0
	SNOW LOAD IMPORTANCE FACTOR (Is)	1.0
WIND LOADS	THERMAL FACTOR (Ci)	1.0
	BASIC WIND SPEED (mph) (Vult/Vasd/Serviceability W. Speed)	115/89/7
	WIND EXPOSURE	B
EARTHQUAKE DESIGN DATA	SEISMIC USE GROUP & IMPORTANCE FACTOR (Ie)	II - 1.0
	SPECTRAL RESPONSE	Sds
	COEFFICIENTS	Sd1
	MAPPED ACCELERATIONS	SS
		S1
	SEISMIC DESIGN CATEGORY	B
	SITE CLASS	D
	SEISMIC RESPONSE COEFFICIENT (Cs)	0.18
	RESPONSE MODIFICATION FACTOR (R)	7
	DESIGN BASE SHEAR	0.18W
SPECIAL LOADS	ANALYSIS PROCEDURE	ASCE 7-10
	COLLATERAL ROOF LOAD	N/A
FLOOD LOAD	LOCATED IN FLOOD-HAZARD AREA	NO
	ASSUMED NET ALLOWABLE SOIL BEARING CAPACITY	1,500 PSF

BUILDING RENOVATIONS

HENRY COUNTY HIGHWAY DEPT.
1343 BALES ROAD
NAPOLEON, OHIO 43545

THE CONTENTS OF THIS DRAWING SHALL NOT BE USED OR REPRODUCED BY INDIVIDUALS, CORPORATIONS, OR OTHER ENTITIES FOR ANY PURPOSE OTHER THAN THE INTENDED USE FOR THIS PROJECT. IF THIS DRAWING IS USED IN PART OR IN ITS ENTIRETY, OR WORK OTHER THAN THE PROJECT INTENDED BY TECHNICON DESIGN GROUP, INC., THE RIGHT IS RESERVED TO MAKE A CLAIM FOR INJURY, DAMAGE, AND/OR ENGINEERING FEES. THEREFORE, REUSE OR REPRODUCTION OF THIS DOCUMENT WITHOUT YOUR WRITTEN CONSENT OF TECHNICON DESIGN GROUP, INC. IS STRICTLY PROHIBITED.

© 2022 TECHNICON DESIGN GROUP, INC.

DO NOT SCALE FROM DRAWINGS. THE ARCHITECT/ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY QUANTITIES OF MATERIALS AND LOCATIONS OF BUILDING COMPONENTS SCALED FROM THESE DRAWINGS.

CODE COMPLIANCE PLAN
DESIGN LOAD DATA

ISSUED DATE
02-14-22 OWNER/CONTR REVIEW
02-24-22 FOR BIDS/PERMITS

DRAWN BY: JEM

CHECKED BY: KAN

DATE: 11-21

PLOT SCALE: 1:1

JOB NO. 74-2724-21

SHEET
G101
OF 1 SHEETS

DEMOLITION KEYNOTE LEGEND

- (A) REMOVE EXISTING DOOR, FRAME AND HARDWARE.

(B) REMOVE EXISTING WINDOW AND FRAME.

(C) REMOVE EXISTING BRICK MASONRY.

(D) REMOVE EXISTING CMU ABOVE EXISTING CONCRETE WALL.

(E) REMOVE EXISTING METAL WALL PANELS AND TRIMS.

(F) REMOVE EXISTING SIGNAGE ON BUILDING.

(G) REMOVE EXISTING CONCRETE FLOOR.

(H) REMOVE EXISTING CATCH BASIN- SEE PLUMBING DRAWINGS.

(I) REMOVE EXISTING OIL INTERCEPTOR AND VENTING- SEE PLUMBING DRAWINGS.

(J) CUT AND REMOVE EXISTING WALL AS REQUIRED FOR NEW DOOR OPENING.

(K) REMOVE EXISTING FLOOR DRAIN- SEE PLUMBING DRAWINGS
- (L) REMOVE EXISTING OVERHEAD DOOR, TRACK AND OPENER

(M) EXISTING UNDER SLAB PIT TO BE REMOVED

(N) REMOVE EXISTING DOWNSPOUT

(O) REMOVE EXISTING 12" (4'-0" HIGH) CONCRETE WALL DOWN TO 8" BELOW EXISTING CONCRETE FLOOR. SEE DETAIL 9/A501

(P) REMOVE EXISTING DRINKING FOUNTAIN- SEE PLUMBING DRAWINGS

(Q) REMOVE AND SALVAGE EXISTING TWO COMPARTMENT UTILITY SINK- SEE PLUMBING DRAWINGS.

(R) REMOVE EXISTING WALL FAUCET- SEE PLUMBING DRAWINGS.

GENERAL DEMOLITION NOTES

1. ALL CONTRACTORS SHALL BE RESPONSIBLE FOR THE PROTECTION OF SURROUNDING ADJACENT OR ATTACHED COMPONENTS & MATERIALS DURING DEMOLITION.

2. ALL CONTRACTORS SHALL FIELD VERIFY ALL EXISTING CONDITIONS & UTILITY LOCATIONS PRIOR TO BIDDING & BEGINNING WORK. IN THE EVENT OF CONFLICTS, CONTRACTOR SHALL SEEK RESOLUTION FROM ARCHITECT PRIOR TO BEGINNING WORK.

3. THE OWNER SHALL RETAIN RIGHTS OF OWNERSHIP FOR ALL SALVAGED MATERIALS & EQUIPMENT REMOVED. SALVAGED ITEMS SHALL BE RELOCATED OR PLACED IN STORAGE AS DIRECTED BY THE OWNER. NON-SALVAGEABLE MATERIALS SHALL BE REMOVED FROM THE SITE AND PROPERLY DISPOSED OF BY THE CONTRACTOR.

4. WHERE EXISTING WALLS, CEILINGS, FLOORS, ETC. TO REMAIN ARE DAMAGED DURING DEMOLITION & CONSTRUCTION, THE G.C. SHALL PATCH & REPAIR EXISTING DAMAGED SURFACES TO MATCH EXISTING ADJACENT SURFACE MATERIALS, INCLUDING LOCATIONS WHERE PLUMBING, MECHANICAL & ELECTRICAL ARE REMOVED. SEE PLMG., MECH. & ELEC. DWGS. FOR LOCATIONS.

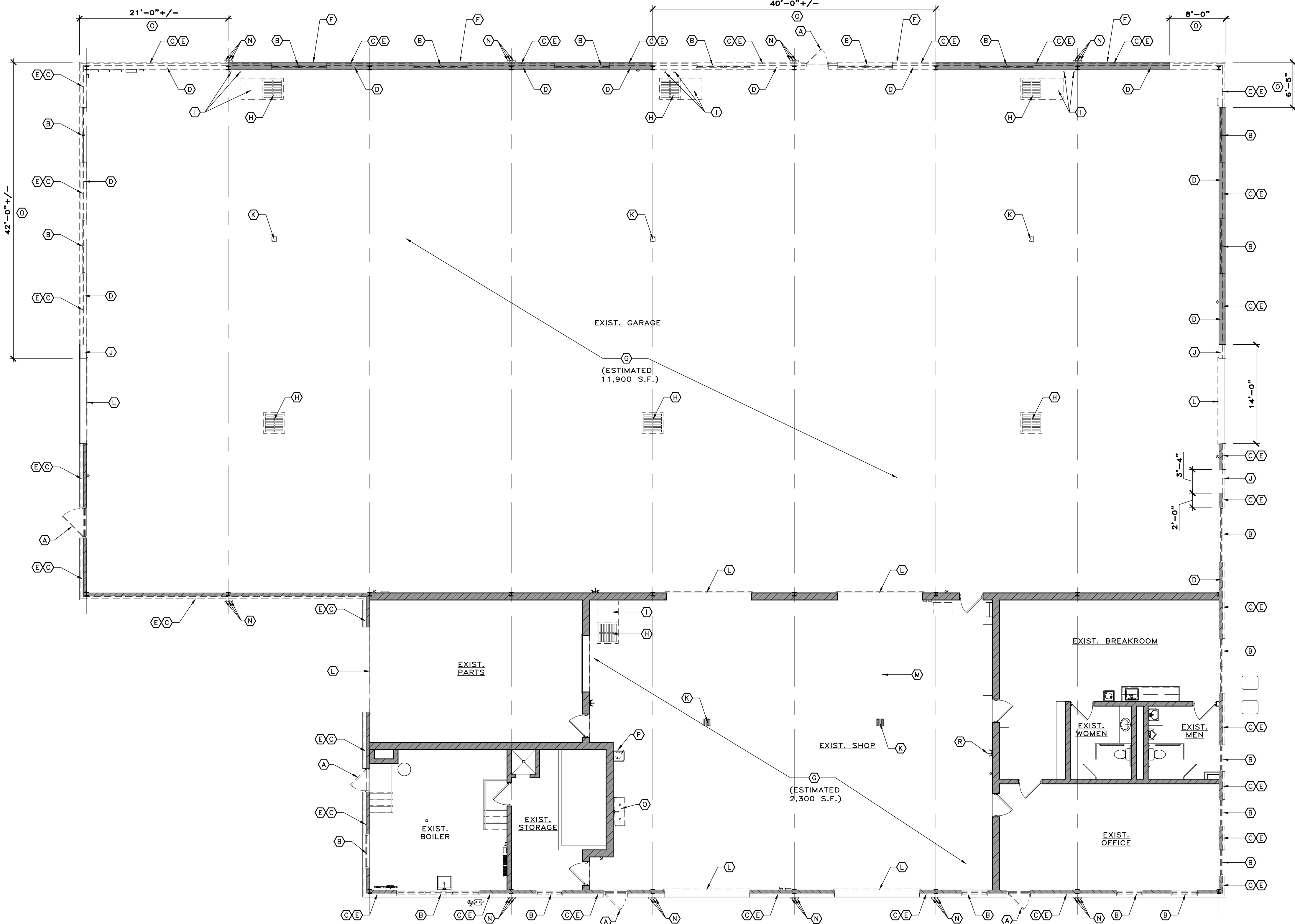
5. FIELD VERIFY LOCATIONS OF EXISTING ELEC. PANELS.

6. THE G.C. SHALL PROVIDE ALL NECESSARY SHORING REQ'D. FOR SUPPORT OF WALLS, CEILINGS, FLOORS & OTHER STRUCTURAL MEMBERS DURING DEMOLITION. SHORING SHALL BE LEFT IN PLACE UNTIL NEW WORK IS IN PLACE.

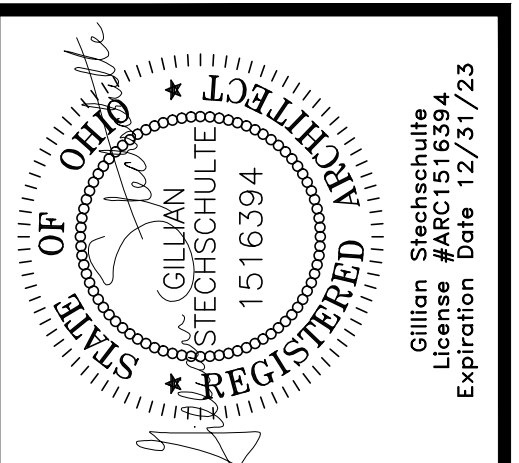
7. SAW CUTTING & REMOVAL OF CONCRETE FLOORS AS REQ'D. FOR INSTALLATION OF NEW UNDER SLAB UTILITIES SHALL BE BY THE G.C., U.N.O., ALL TRENCHING & BACKFILL SHALL BE BY THE P.C., M.C. OR E.C. RESPECTIVELY THE G.C. SHALL PATCH & REPAIR ALL CONCRETE, COORDINATE WORK BETWEEN TRADES, SEE DEMOLITION & PLUMBING DRAWINGS

8. REMOVAL OF FLOOR COVERINGS, SUBSTRATES (IF ANY), ETC. SHALL BE TO THE EXIST. CONCRETE FLOOR, INCLUDING THE REMOVAL OF EXIST. MASTIC.

9. THE OWNER IS RESPONSIBLE FOR THE REMOVAL OF ALL SHELIVING, TOOLS, EQUIPMENT ETC THAT ARE NOT CONNECTED TO THE BUILDING STRUCTURE.



1 DEMOLITION FLOOR PLAN
D100 SCALE: 1/8"=1'-0"



Technicon Design Group

ARCHITECTURE • ENGINEERING • DESIGN

1800 N PERRY STREET, SUITE 102, OTTAWA, OH 45875 P:419.523.5323
www.technicondesigngroup.com

BUILDING RENOVATIONS

HENRY COUNTY HIGHWAY DEPT.

1343 BAILES ROAD

NAPOLEON, OHIO 43545

THE CONTENTS OF THIS DRAWING SHALL NOT BE USED OR REPRODUCED BY INDIVIDUALS, CORPORATIONS, OR OTHER ENTITIES FOR ANY PURPOSE OTHER THAN THE INTENDED USE FOR THIS PROJECT. IF THIS DRAWING IS USED IN PART OR ITS ENTIRETY, OR WORK DERIVED FROM THIS PROJECT INTENDED BY TECHNICON DESIGN GROUP, INC., THE RIGHT IS RESERVED TO MAKE A CHARGE FOR ADDITIONAL REPRODUCTION AND/OR ENGINEERING FEES. THEREFORE, REUSE OR REPRODUCTION OF THIS DOCUMENT WITHOUT THEIR WRITTEN CONSENT OF TECHNICON DESIGN GROUP, INC. IS STRICTLY PROHIBITED.

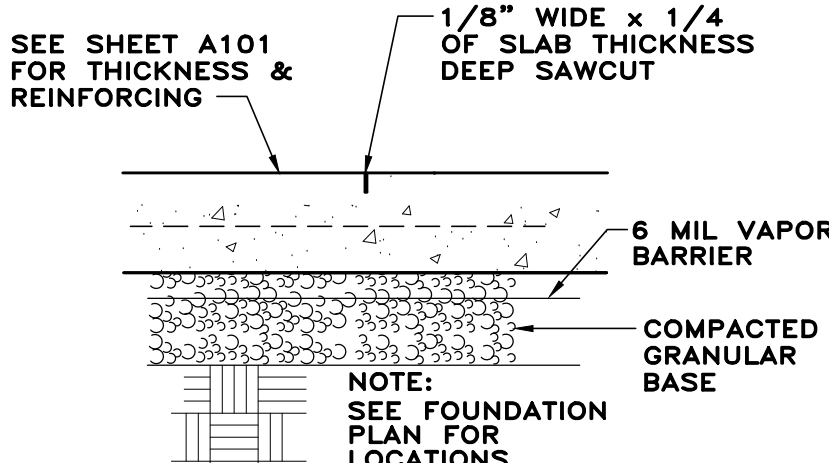
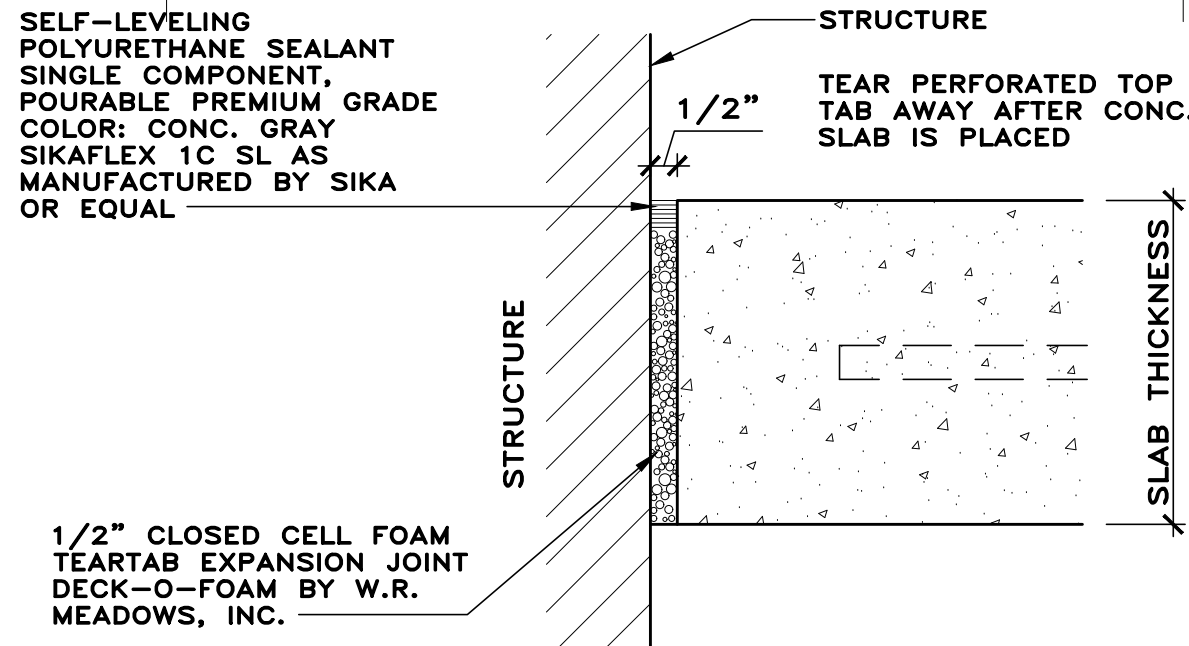
© 2022 TECHNICON DESIGN GROUP, INC.

DO NOT SCALE FROM DRAWINGS. THE ARCHITECT/ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY QUANTITIES OF MATERIALS AND LOCATIONS OF BUILDING COMPONENTS SCALED FROM THESE DRAWINGS.

DEMOLITION FLOOR PLAN

ISSUED DATE	
12-22-21	OWNER REVIEW
02-07-22	OWNER REVIEW
02-14-22	OWNER/CONTR REVIEW
02-24-22	FOR BIDS/PERMITS

DRAWN BY:	JEM
CHECKED BY:	KAN
DATE:	11-21
PLOT SCALE:	1:1
JOB NO.	74-2724-21
SHEET	D101
OF	1 SHEETS



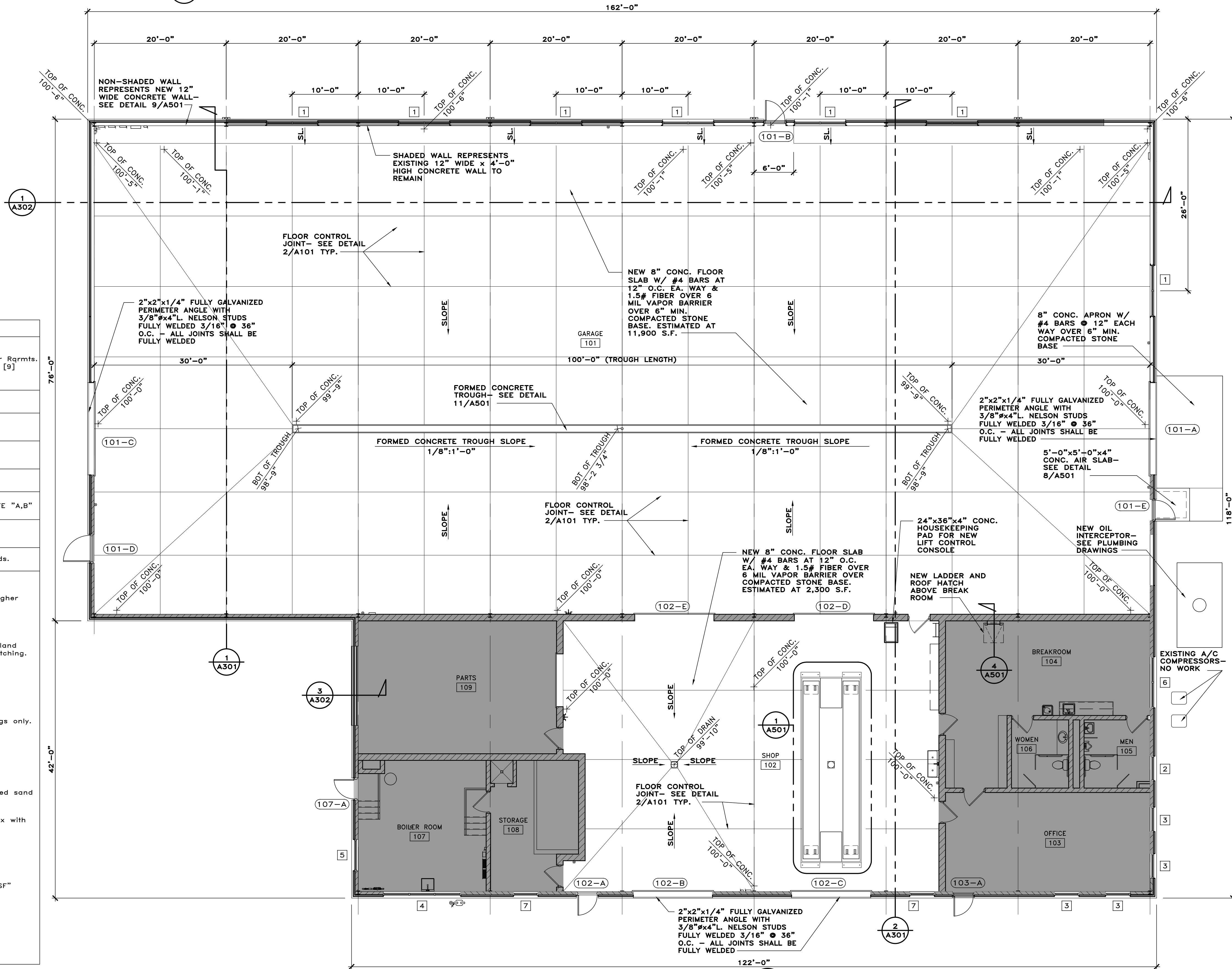
CONTROL JOINT SPACING CHART	
SLAB THICKNESS	MAX. SPACING W/ AGGREGATE 3/4" & LARGER
4"	10'x10' OR 100 S.F. MAX.
5"	13'x13' OR 169 S.F. MAX.
6"	15'x15' OR 225 S.F. MAX.
7"	18'x18' OR 324 S.F. MAX.
8"	20'x20' OR 400 S.F. MAX.
9"	23'x23' OR 529 S.F. MAX.
10"	25'x25' OR 625 S.F. MAX.

- NOTES:
- SEE CONCRETE DESIGN MATRIX ON THIS SHEET FOR AGGREGATE SIZES & SLUMP LIMITS.
 - SEE SLAB CONTROL JOINT DETAIL 2/A101

- GENERAL NOTES
- DIMENSIONS INDICATED ARE FROM THE FACE OF EXISTING WALL SURFACES, FACE OF NEW STUDS, COLUMN CENTERLINE & FACE OF NOMINAL MASONRY. ALL DIMENSIONS INDICATED SHALL BE FIELD VERIFIED.
 - ALL CONTRACTORS SHALL COORDINATE WORK BETWEEN TRADES.
 - FIELD VERIFY ALL WINDOW & DOOR M.O./R.O.s PRIOR TO ORDERING NEW. VERIFY M.O./R.O. REQUIREMENTS W/ RESPECTIVE DOOR & WINDOW MFR.
 - FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BIDDING & BEGINNING CONSTRUCTION.
 - ALL EXTERIOR GRADING AND SEEDING TO BE BY OWNER.
 - REMOVAL OF EXTERIOR CONCRETE APRONS AND PLACEMENT OF NEW SHALL BE BY G.C..
 - ALL ASPHALT PATCHING SHALL BE BY OWNER.

3 TYP. EXP. JOINT DETAIL
A101 SCALE: 3/4"=1'-0"

2 TYP. CONTROL JOINT
A101 SCALE: 3/4"=1'-0"



CONCRETE MIX DESIGN MATRIX										
INTENDED USE	MIN. f'c (ksi) [1]	Conc. Type [2]	Max. W/CM Ratio [3]	Min. Cem. Mtl. (3/cy) [4a]	Max. Aggr. Size (in.) [5a]	Slump Limits (in.) [6]	Total Air Limits (%) [7a]	Cement Type	Req'd. Admix. [8]	Other Rqrmts. [9]
FOOTINGS	3	NW	0.5	470	1	5	3	1		
EXTERIOR PIERS AND FOUNDATION WALLS	4	NW	0.5	564	1	5	6	1	AE	
INTERIOR PIERS AND FOUNDATION WALLS	4	NW	0.5	564	1	5	3	1		
INTERIOR SLABS ON GRADE	4	NW	0.5	564	1	5	3	1	MSF	
EXTERIOR CONCRETE DOOR AIR SLABS	4	NW	0.45	600	1	5	6	1	AE	NOTE "A,B"
LEAN CONCRETE	1.5	NW	0.75	376	1	6	3	1		

Concrete plant, ready mix trucks and all materials must meet or exceed O.D.O.T. standards.

NOTES:

[1] Strength: Proportion mixed to attain compressive strength indicated 28 days, unless higher strengths are specified

[2] Provide normal weight (NW) concrete as indicated.

[3] W/CM is the ratio of the weight of water to the weight of cementitious materials (Portland cement). The weight of water includes all free water in the aggregates at the time of batching.

[4a] Minimum cementitious materials.

[4b] GGBFS at 20% replacement of Type 1 Cement per ASTM C989.

[4c] Fly Ash at 15% replacement of Type 1 cement per ASTM C618 is permitted in footings only.

[5a] For the maximum coarse aggregate sizes indicated, use the following aggregate size numbers per ASTM C33:
3/4" = No. 67 aggregate
1" = No. 57 aggregate
≥ 1 1/2" = No. 8 aggregate

[5b] For fine aggregate sizes, provide natural sand that meets ASTM C33. No manufactured sand permitted.

[6] When slump is listed as maximum, tolerance is plus 1" and minus 1". 6" Slump max with mid-range water reducer and up to 8" slump max with high-range water reducer.

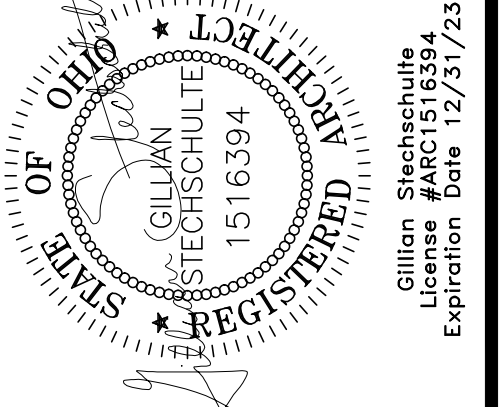
[7a] Total air contents listed include both entrained and entrapped air ± 1.5%.

[7b] Maximum total air limits shall be 3% for interior slabs on grade.

[8] Abbreviations for admixtures are as follows:
AE = Air-entrained admixture
WRA = Water reducing admixture (Plasticizer for pumping - optional)
MSF = Macro Synthetic Fiber as manufactured by The Euclid Chemical Co. "TUF-STRAND SF" Dosage rate is 1.5 lbs. per cubic yard.

[9] Other requirements are as follows:
Note A: O.D.O.T. class C, Option 3 (20% max. slag)
Note B: See site drawings for concrete design of exterior flatwork, walks, curbs, etc.

END OF APPENDIX



Technicon Design Group

ARCHITECTURE • ENGINEERING • DESIGN

1800 N PERRY STREET, SUITE 102, OTTAWA, OH 45875 P:419.523.6323
www.technicondesigngroup.com

BUILDING RENOVATIONS

HENRY COUNTY HIGHWAY DEPT.

1343 BALES ROAD

NAPOLEON, OHIO 43545

THE CONTENTS OF THIS DRAWING SHALL NOT BE USED OR REPRODUCED BY INDIVIDUALS, COMPANIES, OR OTHER ENTITIES FOR ANY PURPOSE OTHER THAN THE INTENDED USE FOR THIS PROJECT. IF THIS DRAWING IS USED IN PART OR ITS ENTIRETY, OR WORK COMES FROM THE PROJECT INTENDED BY TECHNICON DESIGN GROUP, INC., THE RIGHT IS RESERVED TO MAKE A CHARGE FOR ADDITIONAL REVISIONS, AND/OR ENGINEERING FEES. THEREFORE, REUSE OR REPRODUCTION OF THIS DOCUMENT WITHOUT THEIR WRITTEN CONSENT OF TECHNICON DESIGN GROUP, INC. IS STRICTLY PROHIBITED.

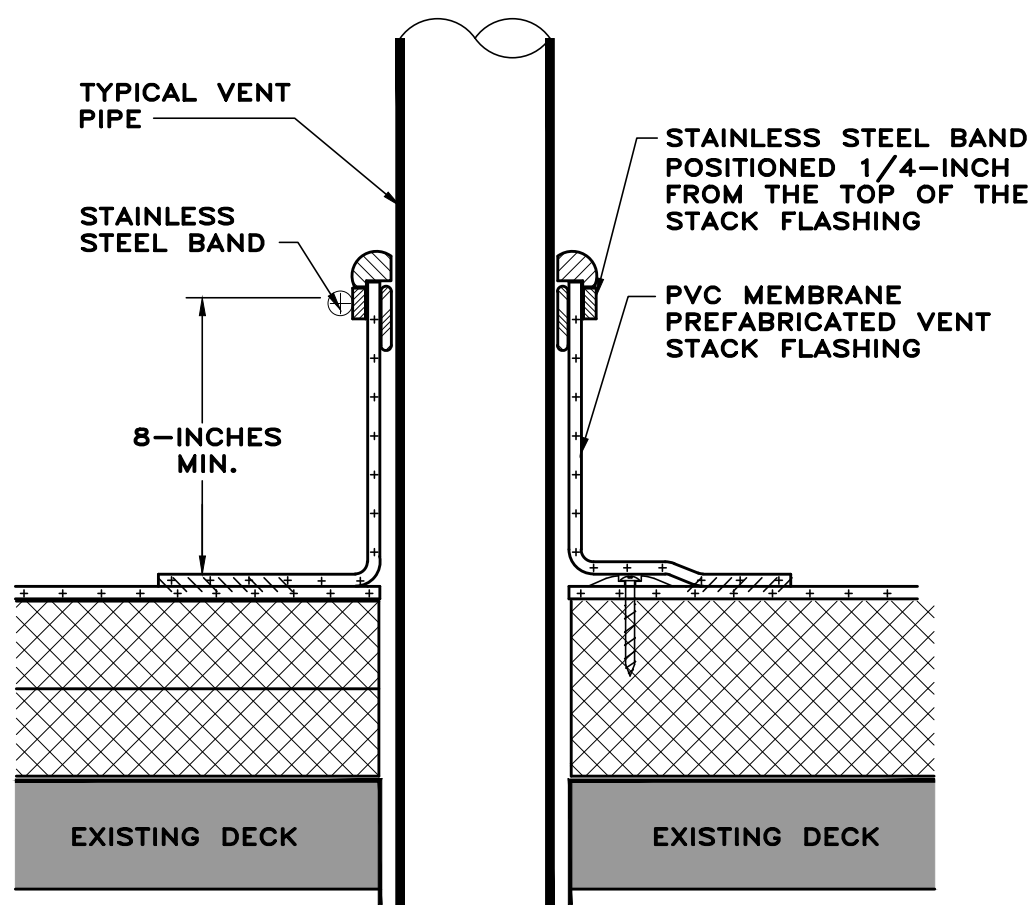
© 2022 TECHNICON DESIGN GROUP, INC.

DO NOT SCALE FROM DRAWINGS. THE ARCHITECT/ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY QUANTITIES OF MATERIALS AND LOCATIONS OF BUILDING COMPONENTS SCALED FROM THESE DRAWINGS.

FLOOR PLAN, DETAILS
CONCRETE DESIGN MATRIX

ISSUED DATE	
12-22-21	OWNER REVIEW
02-07-22	OWNER REVIEW
02-14-22	OWNER/CONTR REVIEW
02-24-22	FOR BIDS/PERMITS

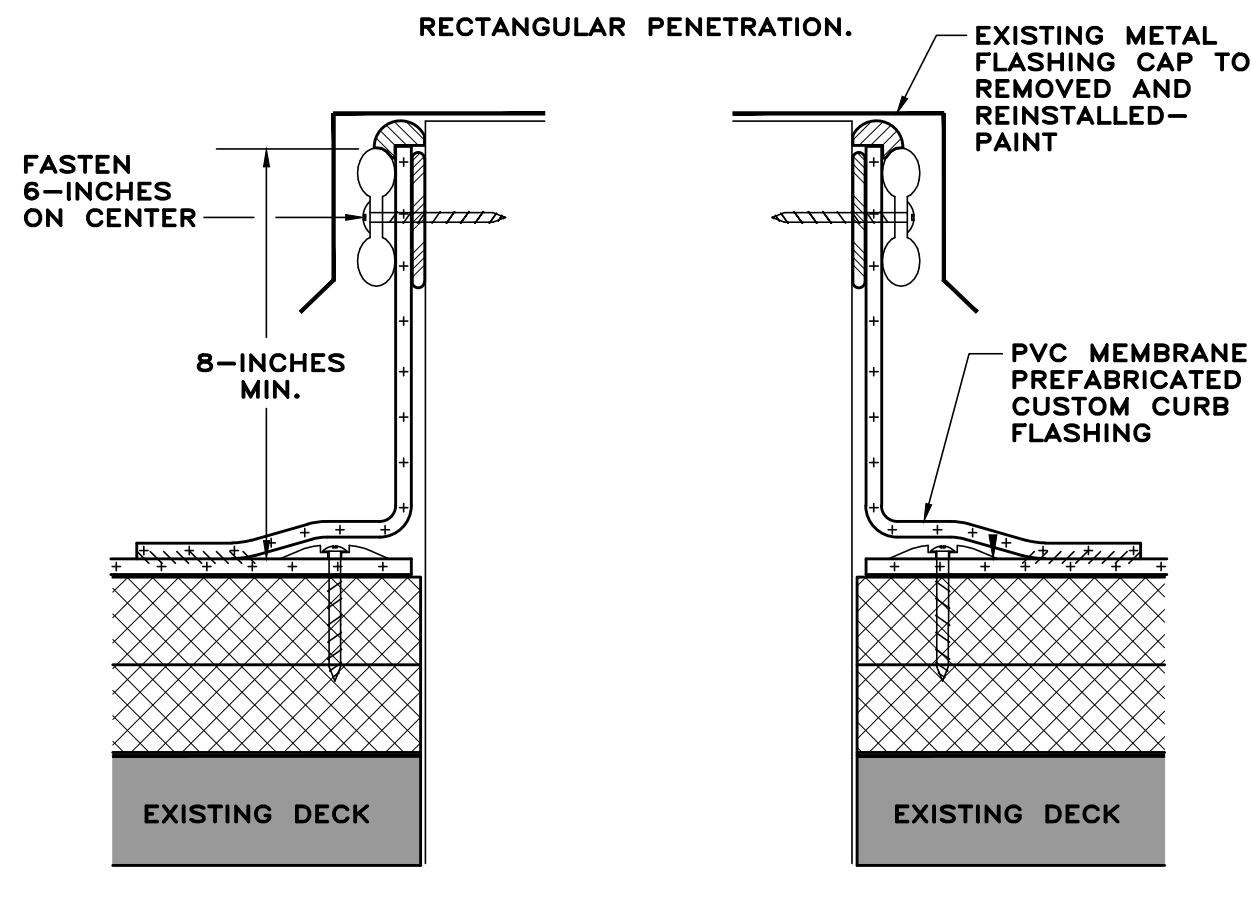
DRAWN BY:	JEM
CHECKED BY:	KAN
DATE:	11-21
PLOT SCALE:	1:1
JOB NO.	74-2724-21
SHEET	A101
OF	6 SHEETS



NOTE: MEMBRANE ATTACHMENT AROUND THE PENETRATION WILL BE THE SAME AS THE DECK MEMBRANE, MAX. 18-INCHES ON CENTER, AND A MINIMUM ONE PLATE/FASTENER PER FLASHING.

TDG DETAIL #
P5

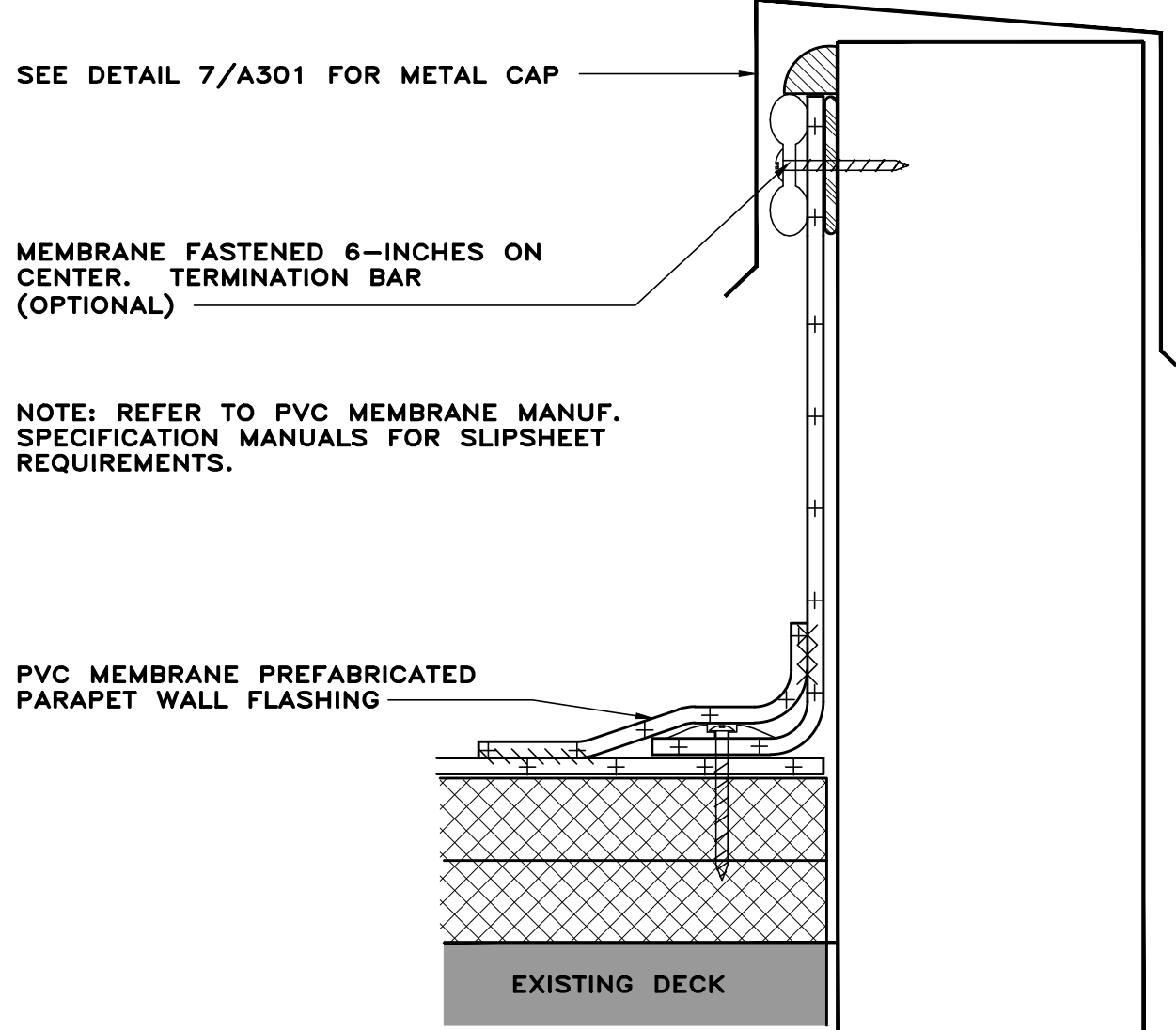
SCALE:
NTS



NOTE: PERIMETER FASTENING OF THE DECK MEMBRANE WILL BE THE SAME FASTENING PATTERN AS THE FIELD MEMBRANE, MAX. 18-INCHES ON CENTER, AND NO LESS THAN ONE FASTENER PER SIDE.
NOTE: ALL TERMINATION BAR TO HAVE A FASTENER 1-INCH MAX. FROM EACH CORNER.

TDG DETAIL #
RC1

SCALE:
NTS



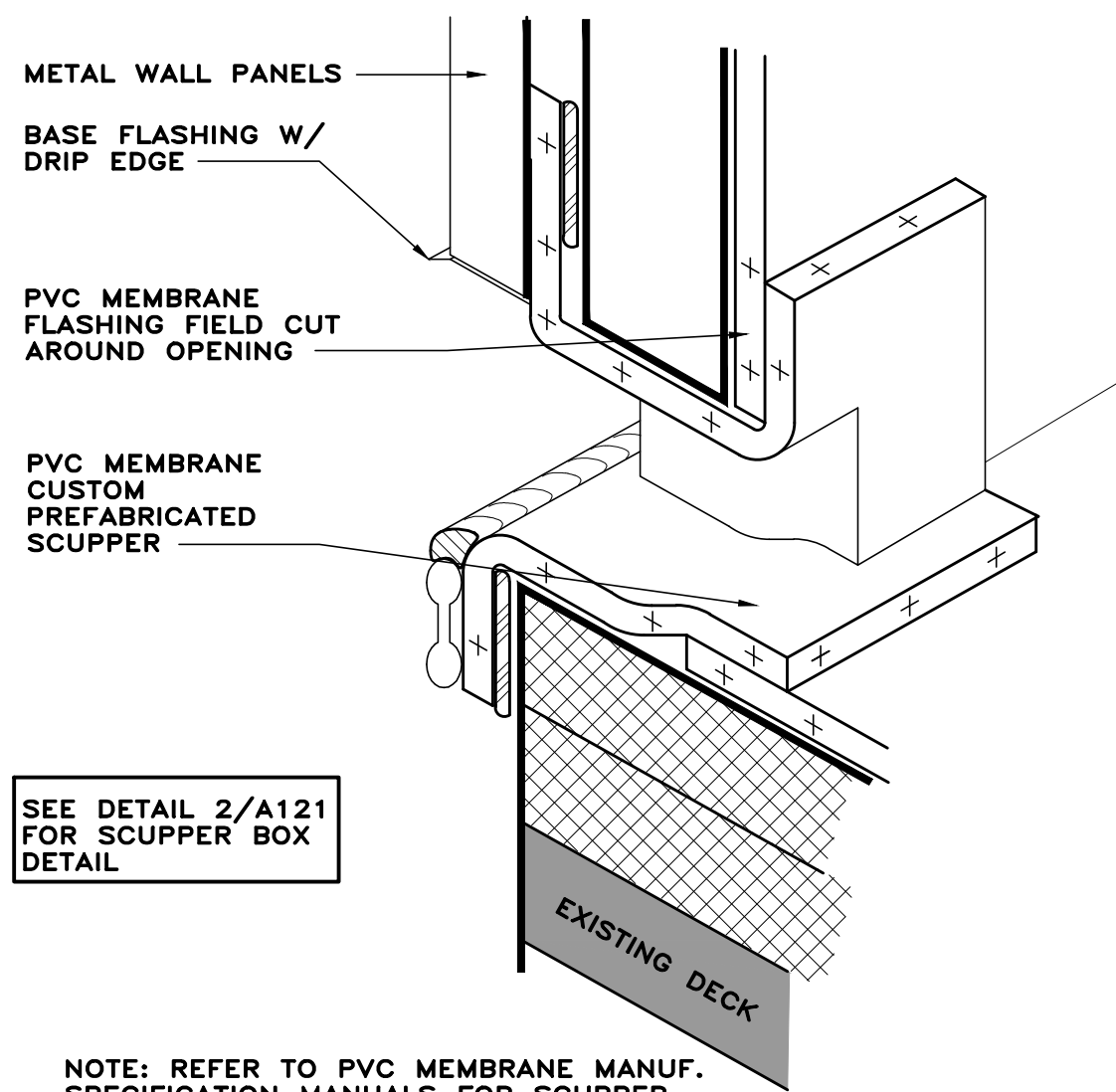
NOTE: REFER TO PVC MEMBRANE MANUF. SPECIFICATION MANUALS FOR SLIPSHEET REQUIREMENTS.

TDG DETAIL #
T1

SCALE:
NTS

GENERAL NOTES:

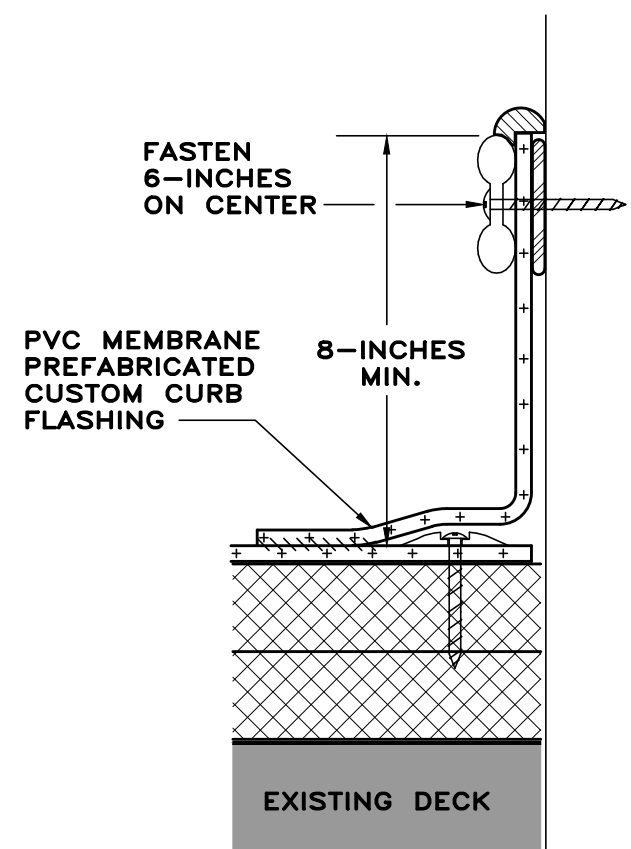
- 1) ROOF DETAILS ILLUSTRATED ON THIS SHEET ARE GENERIC IN NATURE. ROOFING CONTRACTOR SHALL SUBMIT DETAILS RECOMMENDED BY THE SELECTED ROOFING SYSTEM MANUFACTURER BEST SUITED TO MATCH THE INTENT OF THE GENERIC DETAILS SHOWN.
- 2) ROOF CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO STARTING ANY WORK.
- 3) ALL ROOF TO WALL TERMINATIONS SHALL BE A MIN. OF 8" ABOVE ROOF INSULATION. CONTRACTOR SHALL VERIFY SPECIAL CONDITIONS WITH OWNER/ARCHITECT PRIOR TO ALL INSTALLATIONS.
- 4) ROOF CONTRACTOR SHALL ACQUIRE THE SERVICES OF A QUALIFIED ELECTRICIAN TO FIX, REPAIR, EXTEND, DISCONNECT AND RECONNECT ANY AND ALL ELECTRICAL DEVICES AS REQUIRED.
- 5) ROOF CONTRACTOR SHALL ACQUIRE THE SERVICES OF A QUALIFIED MECHANICAL CONTRACTOR TO FIX, REPAIR, EXTEND, DISCONNECT AND RECONNECT ANY AND ALL MECHANICAL DEVICES AS REQUIRED.
- 6) CONTRACTOR SHALL VERIFY ALL EXISTING ROOF SLOPES PRIOR TO ORDERING ANY MATERIALS - MATCH EXISTING ROOF SLOPES - ALL ROOFS SHALL HAVE POSITIVE DRAINAGE TO EXISTING ROOF DRAINS - SEE ALL PLANS AND DETAILS.
- 7) ALL NEW MEMBRANE ROOFS SHALL BE ACCORDING TO SPECIFICATIONS.
- 8) CLEAN ALL SURFACES AS REQUIRED FOR NEW MATERIALS AND SEALANTS. (REMOVE ALL EXISTING MASTICS AND SEALANTS).
- 9) CONTRACTOR SHALL REMOVE ALL EXISTING COPINGS AND FLASHINGS (IF ANY) FROM ROOF SYSTEMS.
- 10) CONTRACTOR SHALL VERIFY SIZE AND LOCATION OF ALL ROOF PENETRATIONS PRIOR TO STARTING ANY WORK.
- 11) CONTRACTOR SHALL VERIFY WITH OWNER AND ARCHITECT ANY AND ALL CAPPED VENT PIPES, ABANDONED CONDUITS, DUCTS, CURBS - ITEMS THAT ARE TO BE ABANDONED SHALL BE CUT OFF OR REMOVED TOO BELOW EXISTING ROOF DECK AND FULL CAPPED, SEALED AND SECURED, PATCH EXISTING ROOF DECK AS REQUIRED.
- 12) CONTRACTOR SHALL INSTALL PROTECTIVE SCREENS OVER EXISTING ROOF DRAINS TO PREVENT DEBRIS FROM ENTERING DRAIN AND DOWN PIPING DURING DEMOLITION AND NEW INSTALLATION OF ROOFING MATERIALS. DRAINS SHALL REMAIN CLEAR DURING AND AFTER CONSTRUCTION.
- 13) CONTRACTOR SHALL INSTALL "RUSS" AT ALL HORIZONTAL TO VERTICAL TRANSITIONS AS REQUIRED BY MANUFACTURER.
- 14) CONTRACTOR SHALL MECHANICALLY FASTEN INSULATION SYSTEM ON ALL STEEL DECK SYSTEMS ACCORDING TO MANUFACTURER'S RECOMMENDATIONS (FM 1-90).



NOTE: REFER TO PVC MEMBRANE MANUF. SPECIFICATION MANUALS FOR SCUPPER REQUIREMENTS.

TDG DETAIL #
SC1

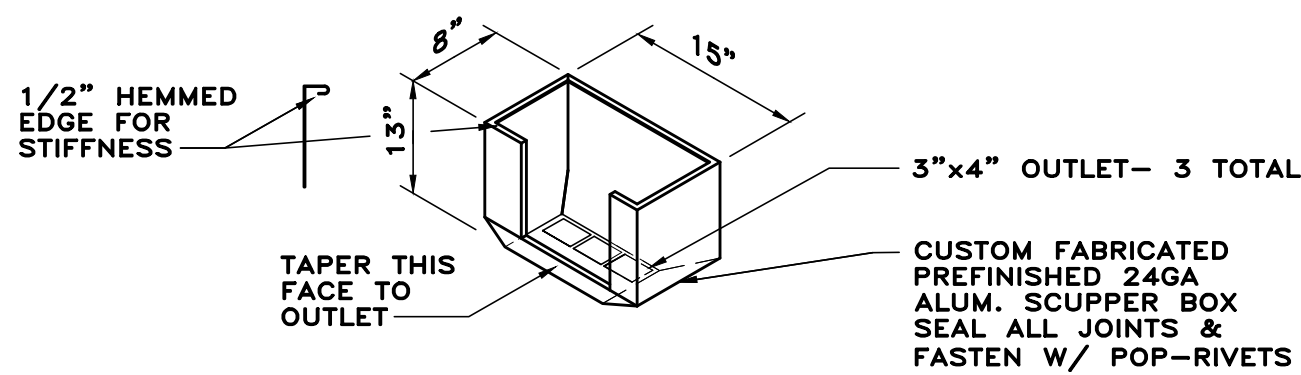
SCALE:
NTS



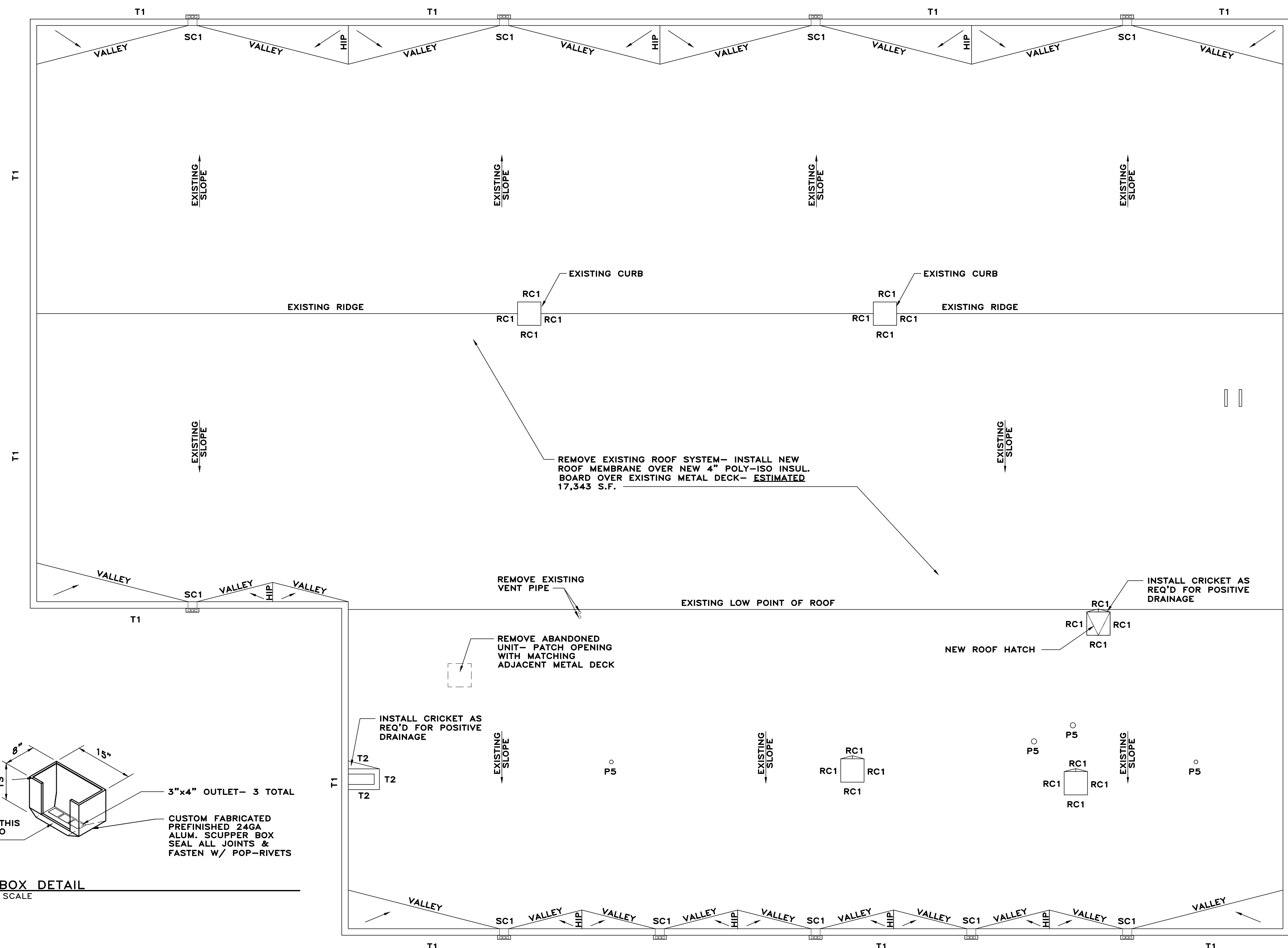
NOTE: PERIMETER FASTENING OF THE DECK MEMBRANE WILL BE THE SAME FASTENING PATTERN AS THE FIELD MEMBRANE, MAX. 18-INCHES ON CENTER, AND NO LESS THAN ONE FASTENER PER SIDE.
NOTE: ALL TERMINATION BAR TO HAVE A FASTENER 1-INCH MAX. FROM EACH CORNER.

TDG DETAIL #
T2

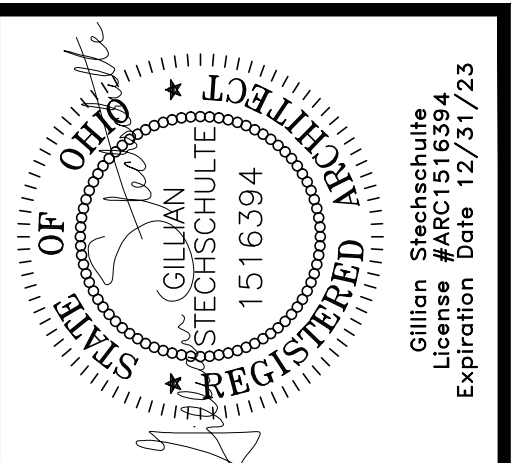
SCALE:
NTS



2 SCUPPER BOX DETAIL
A121 SCALE: NOT TO SCALE



1 ROOF PLAN
A121 SCALE: 1/8"=1'-0"



Technicon Design Group
ARCHITECTURE • ENGINEERING • DESIGN
1800 N PERRY STREET, SUITE 102, OTTAWA, OH 45875 P:419.523.6323
www.technicondesigngroup.com

BUILDING RENOVATIONS
HENRY COUNTY
HIGHWAY DEPT.
1343 BALES ROAD
NAPOLEON, OHIO 43545

THE CONTENTS OF THIS DRAWING SHALL NOT BE USED OR REPRODUCED BY INDIVIDUALS, CORPORATIONS, OR OTHER ENTITIES FOR ANY PURPOSE OTHER THAN THE INTENDED USE FOR THIS PROJECT. IF THIS DRAWING IS USED IN PART OR ITS ENTIRETY, OR WORK OTHER THAN THE PROJECT INTENDED BY TECHNICON DESIGN GROUP, INC., THE RIGHT IS RESERVED TO MAKE A CHARGE FOR ADDITIONAL REPRODUCTION AND/OR ENGINEERING FEES. THEREFORE, REUSE OR REPRODUCTION OF THIS DOCUMENT WITHOUT THEIR WRITTEN CONSENT OF TECHNICON DESIGN GROUP, INC. IS STRICTLY PROHIBITED.

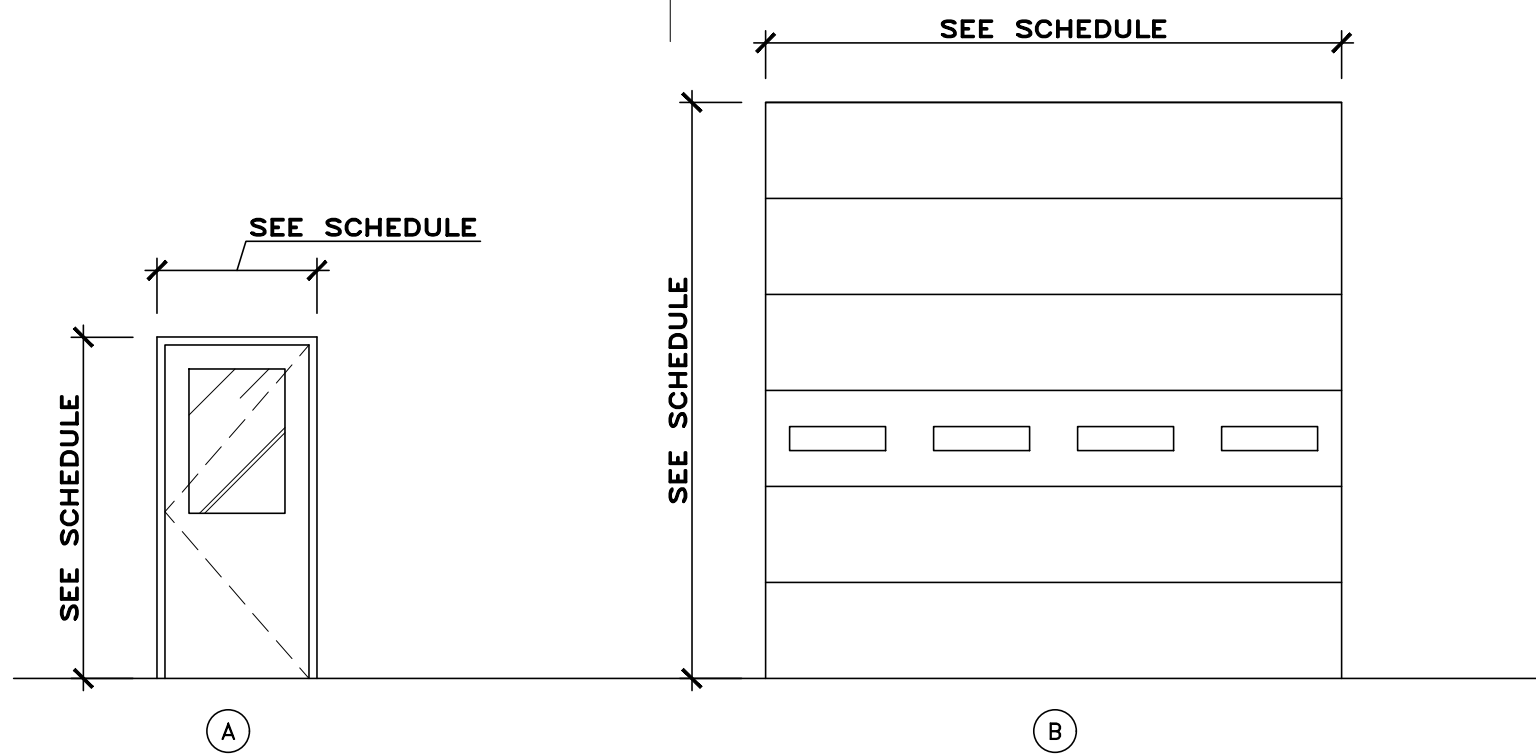
© 2022 TECHNICON DESIGN GROUP, INC.

DO NOT SCALE FROM DRAWINGS. THE ARCHITECT/ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY QUANTITIES OF MATERIALS AND LOCATIONS OF BUILDING COMPONENTS SCALED FROM THESE DRAWINGS.

ROOF PLAN AND DETAILS

ISSUED DATE	
12-22-21	OWNER REVIEW
02-07-22	OWNER REVIEW
02-14-22	OWNER/CONT. REVIEW
02-24-22	FOR BIDS/PERMITS

DRAWN BY:	JEM
CHECKED BY:	KAN
DATE:	11-21
PLOT SCALE:	1:1
JOB NO.	74-2724-21
SHEET	A121
OF	6 SHEETS



14 GA.X2" HOLLOW METAL FRAME, CECO "TQB" SERIES AT EXTERIOR DOORS WELDED FRAME AS SCHEDULED, FIELD PAINT.

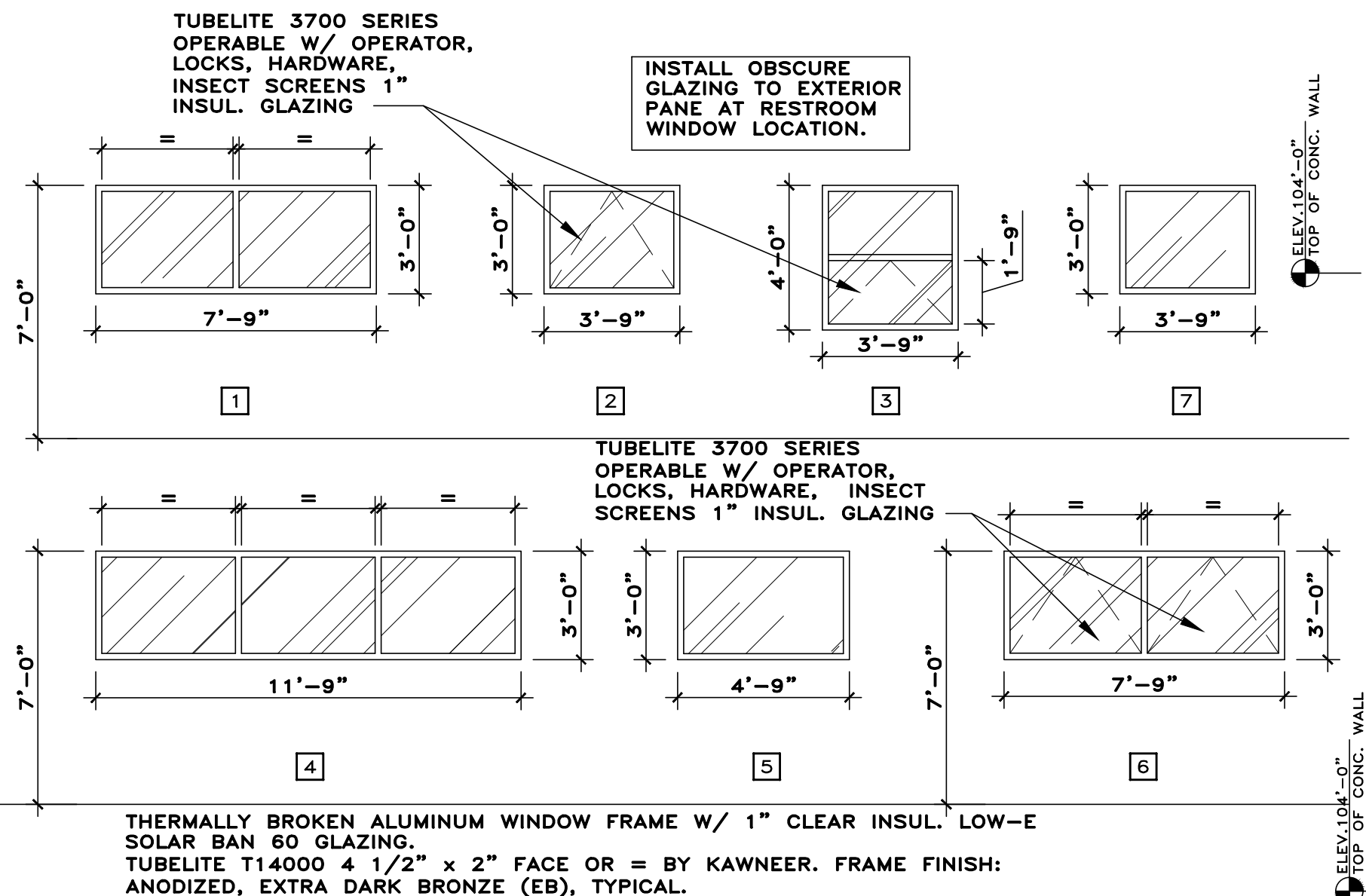
1 3/4" THK. FLUSH INSULATED POLYURETHANE CORE, 16 GAUGE METAL DOOR, CECO MERCURY SERIES, FIELD PAINT.

INSULATED SECTIONAL STEEL OVERHEAD DOOR, FLUSH PROFILE WITH SHIPLAP JOINT, TEMPERED LIGHT UNITS, WITH SEALS AT PERIMETER, WAYNE-DALTON "THERMOSPAN" 200 OR EQUAL, COLOR: WHITE EMBOSSED STUCCO

DESIGN LOAD PRESSURE: =+11.4/-12.7 PSF

DOOR TYPES

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



WINDOW TYPES

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

ROOM FINISH SCHEDULE															
#	ROOM NAME	FLOOR	BASE	WALLS								CEILING			NOTES
				NORTH		SOUTH		EAST		WEST					
		MATERIAL	MATERIAL	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	HEIGHT	
101	GARAGE	E	—	C/M/IP	P2	C/M/IP/CMU-3	P2	C/M/IP/CMU-1	P2	C/M/IP/CMU-1	P2	E	P1	—	1,2
102	SHOP	E	—	CMU-2	P2	C/M/IP/CMU-1	P2	CMU-2	P2	CMU-2	P2	E	P1	—	1,2,3
103	OFFICE	X	X	X	X	X	X	X	X	X	X	X	X	X	
104	BREAKROOM	X	X	X	X	X	X	X	X	X	X	X	X	X	
105	MEN	X	X	X	X	X	X	X	X	X	X	X	X	X	
106	WOMEN	X	X	X	X	X	X	X	X	X	X	X	X	X	
107	BOILER ROOM	X	X	X	X	X	X	X	X	X	X	X	X	X	
108	STORAGE	X	X	X	X	X	X	X	X	X	X	X	X	X	
109	PARTS	X	X	X	X	X	X	X	X	X	X	X	X	X	

FLOOR MATERIAL LEGEND	WALL MATERIAL LEGEND	FINISH LEGEND	NOTES LEGEND
E EXPOSED CONCRETE, SEALED	C CONCRETE WALL 4'-0" HIGH	P1 DRY FALL CEILING PAINT- SEE SPECS	1 G.C. SHALL PAINT ALL EXPOSED ROOF FRAMING, METAL DECK AND WALLS ABOVE MEZZANINE DECK ABOVE BREAK ROOM
X EXISTING TO REMAIN	M METAL BUILDING COMPONENTS	P2 WALL PAINT- SEE SPECS	2 ALL EXPOSED CONDUIT TO BE PAINTED TO MATCH WALL/CEILING
	IP INSULATED WALL PANELS		3 ALL WALLS ROOF STRUCTURE TO BE PAINTED ABOVE MEZZANINE DECK ABOVE BREAK ROOM
	CMU-1 CMU WALL (8 COURSES)		
	CMU-2 FULL WALL HEIGHT		
	CMU-3 FULL WALL HEIGHT AND 8 COURSE SECTIONS		
	X EXISTING		
BASE MATERIAL LEGEND	CEILING MATERIAL LEGEND		
X EXISTING	E EXPOSED METAL ROOF FRAMING		
	X EXISTING		

HARDWARE SET #1

3 - HINGES T2714 4 1/2 X 4 1/2 NRP

1 - LOCKSET, 28-7G05 L (OFFICE/ENTRY)

1 - CONCEALED OVERHEAD STOP 14000 SERIES 32D

1 - ELECTRIC STRIKE, 24V 7100

1 - CLOSER/DELAYED ACTION 1431

1 - WEATHERSTRIPPING SET 152SAL

1 - THRESHOLD W/ THERMAL BREAK 8425 (1/2") AL

1 - SWEEP 3452 CV

1 - LATCH GUARD

26D

32D

32D

EN

26D

HARDWARE SET #2

3 - HINGES T2714 4 1/2 X 4 1/2 NRP

1 - LOCKSET, 28-7G05 L (OFFICE/ENTRY)

1 - CONCEALED OVERHEAD STOP 14000 SERIES 32D

1 - CLOSER/DELAYED ACTION 1431

1 - WEATHERSTRIPPING SET 152SAL

1 - THRESHOLD W/ THERMAL BREAK 8425 (1/2") AL

1 - SWEEP 3452 CV

1 - LATCH GUARD

26D

32D

EN

26D

MCKINNEY

SARGENT

ROCKWOOD

ADAMS-RITE

SARGENT

NATIONAL GUARD

NATIONAL GUARD

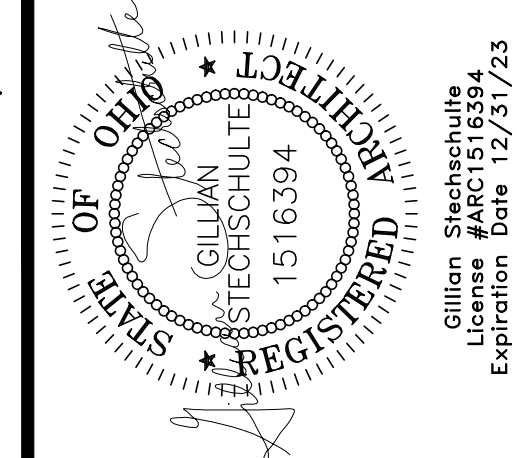
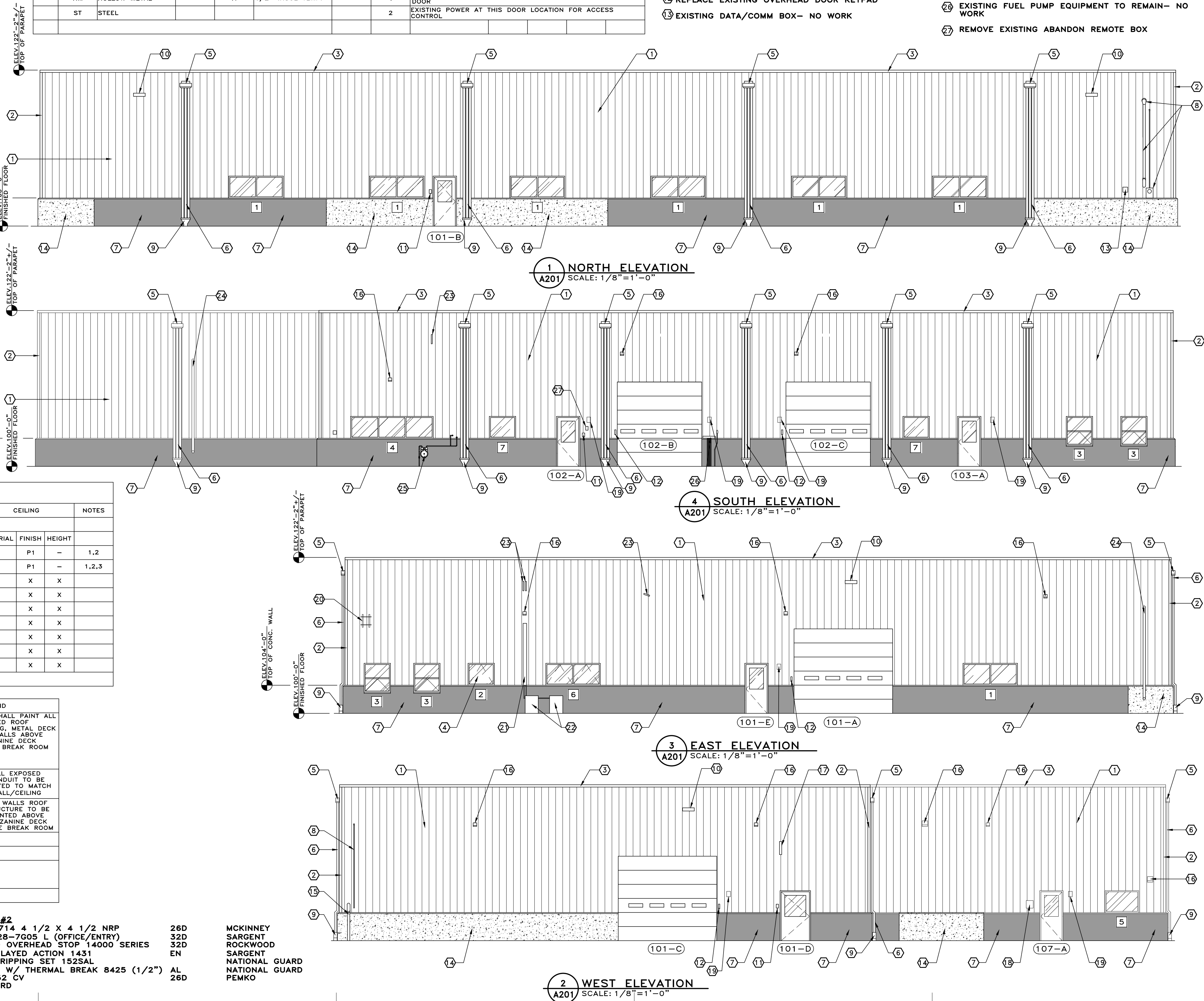
PEMCO

DOOR SCHEDULE													
#		DOOR			MATL	ELEV	GLAZING		FRAME	SETBACK	FIRE RATING	HOW SET	NOTES
		W	H	THK			W	H					
101-A		14'-0"	12'-0"	2"	INSUL	B	A	24	6	STL	-	-	
101-B		3'-0"	7'-0"	1 3/4"	H.M.	A	A	24	36	H.M.	-	-	2
101-C		14'-0"	12'-0"	2"	INSUL	B	A	24	6	STL	-	-	
101-D		4'-0"	7'-0"	1 3/4"	H.M.	A	A	36	36	H.M.	-	-	2
101-E		3'-0"	7'-0"	1 3/4"	H.M.	A	A	24	36	H.M.	-	-	1
102-A		3'-0"	7'-0"	1 3/4"	H.M.	A	A	24	36	H.M.	-	-	2
102-B		12'-0"	12'-0"	2"	INSUL	B	A	24	6	STL	-	-	
102-C		12'-0"	12'-0"	2"	INSUL	B	A	24	6	STL	-	-	
102-D		12'-0"	12'-0"	2"	INSUL	B	A	24	6	STL	-	-	
102-E		12'-0"	12'-0"	2"	INSUL	B	A	24	6	STL	-	-	
103-A		3'-0"	7'-0"	1 3/4"	H.M.	A	A	24	36	H.M.	-	-	2
107-A		3'-0"	7'-0"	1 3/4"	H.M.	A	A	24	36	H.M.	-	-	2
MATERIAL LEGEND		GLAZING TYPE LEGEND		NOTES LEGEND									
HM HOLLOW METAL		A 1/2" INSUL TEMP.		1 PROVIDE ELECTRIC STRIKE FOR ACCESS CONTROL AT THIS DOOR									
ST STEEL				2 EXISTING POWER AT THIS DOOR LOCATION FOR ACCESS CONTROL									

KEYNOTE LEGEND

- 26 GAUGE METAL WALL PANEL- DETAIL 7/A501, COLOR: AS SELECTED BY OWNER.
- PREFINISHED MTL. CORNER TRIM
- PREFINISHED MTL. COPING CAP AT PARAPET
- INSTALL OBSCURE GLAZING TO EXTERIOR PANE AT RESTROOM WINDOW LOCATION.
- NEW 24 GA. SCUPPER BOX- PAINT TO MATCH NEW WALL PANEL- SEE DETAIL 2/A121
- NEW PREFINISHED METAL 4x5 DOWNSPOUT TO MATCH NEW WALL PANEL- THREE DOWNSPOUTS PER SCUPPER BOX.
- EXISTING 4'-0" CONCRETE WALL- G.C. SHALL POWERWASH, PAINT. (SHADED)
- EXISTING ELECTRICAL EQUIPMENT TO BE RELOCATED BY OWNER- NOT IN CONTRACT
- G.C. SHALL PROVIDE NEW DOWNSPOUT-TO-TILE TRANSITION PIECE.
- EXISTING LIGHT FIXTURE TO REMAIN- NO WORK; REMOVE AND REINSTALL
- REPLACE EXISTING DOOR ACCESS FOB- SEE ELECTRICAL DRAWINGS
- REPLACE EXISTING OVERHEAD DOOR KEYPAD
- EXISTING DATA/COMM BOX- NO WORK

- NEW 12" CONCRETE WALL (HATCHED) EXTERIOR OF WALL SHALL BE "RUBBED" OUT- PAINT
- EXISTING ELECTRICAL EQUIPMENT TO BE RELOCATED BY OWNER- NOT IN CONTRACT
- EXISTING RADIANT TUBE HEATER FLUE- REMOVE AND REINSTALL AFTER NEW WALL PANEL INSTALLATION
- EXISTING WIRELESS INTERNET ACCESS POINT- REMOVE AND REINSTALL AFTER NEW WALL PANEL INSTALLATION.
- EXISTING POWER WASHER EQUIPMENT- REMOVE AND REINSTALL AFTER NEW WALL PANEL INSTALLATION
- REMOVE EXISTING LIGHT FIXTURE- E.C. SHALL REMOVE WIRING AND CONDUIT BACK TO SOURCE.
- EXISTING RADIO ANTENNA- REMOVE
- NEW 6" x DEPTH AS REQ'D x 24GA SHROUD- PAINT TO MATCH WALL PANELS
- EXISTING CONDENSING UNIT- NO WORK
- EXISTING PVC VENT- G.C. SHALL SEAL AROUND VENTS AFTER NEW WALL PANEL INSTALLATION
- EXISTING PVC RADIANT HEATER VENT- NO WORK
- EXISTING NATURAL GAS METER TO REMAIN- NO WORK
- EXISTING FUEL PUMP EQUIPMENT TO REMAIN- NO WORK
- REMOVE EXISTING ABANDON REMOTE BOX



Technicon Design Group

ARCHITECTURE • ENGINEERING • DESIGN

1800 N PERRY STREET, SUITE 102, OTTAWA, OH 45875 P:419.523.6323

www.technicondesigngroup.com

BUILDING RENOVATIONS

HENRY COUNTY

HIGHWAY DEPT.

1343 BALES ROAD

NAPOLEON, OHIO 43545

THE CONTENTS OF THIS DRAWING SHALL NOT BE USED OR REPRODUCED BY INDIVIDUALS, CORPORATIONS, OR OTHER ENTITIES FOR ANY PURPOSE OTHER THAN THE INTENDED USE FOR THIS PROJECT. IF THIS DRAWING PROJECT INTENDED BY TECHNICON DESIGN GROUP, INC., THE RIGHT IS RESERVED TO MAKE OR HAVE MADE ANY CHANGES TO ANY PART OF THIS DRAWING WITHOUT PRIOR WRITTEN CONSENT OF TECHNICON DESIGN GROUP, INC. IS STRICTLY PROHIBITED.

© 2022 TECHNICON DESIGN GROUP, INC.

DO NOT SCALE FROM DRAWINGS. THE ARCHITECT/ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY QUANTITIES OF MATERIALS AND LOCATIONS OF BUILDING COMPONENTS SCALED FROM THESE DRAWINGS.

ELEVATIONS, DOOR TYPE, SCHEDULE AND WINDOW TYPES

ISSUED DATE

12-22-21 OWNER REVIEW

02-07-22 OWNER REVIEW

02-14-22 OWNER/CONTR REVIEW

02-24-22 FOR BIDS/PERMITS

DRAWN BY: JEM

CHECKED BY: KAN

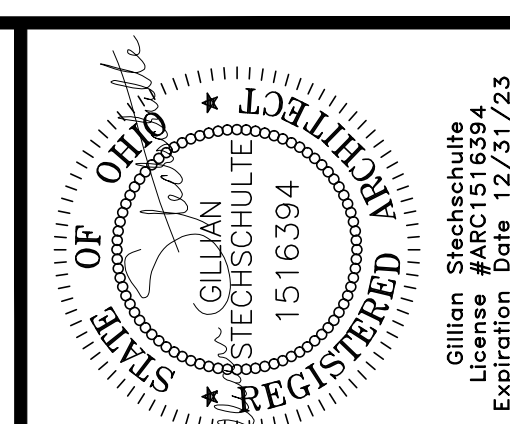
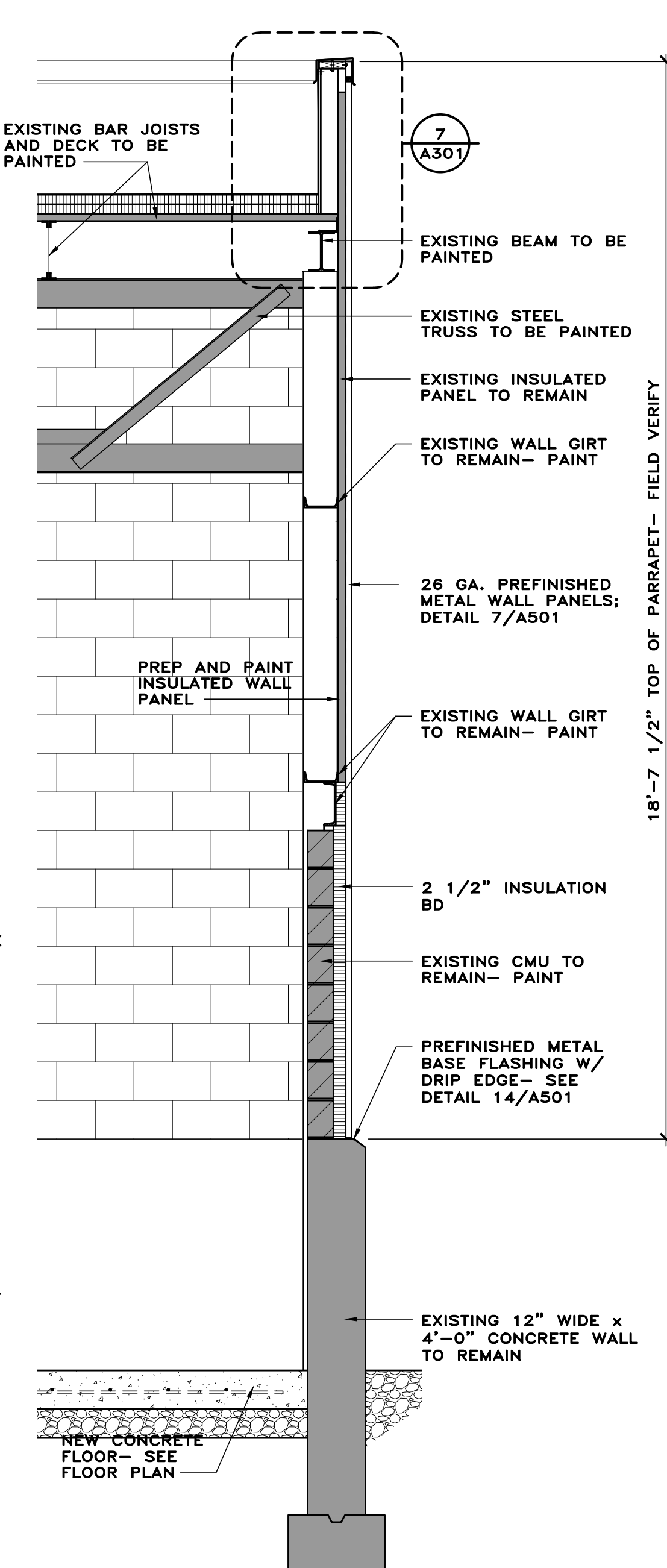
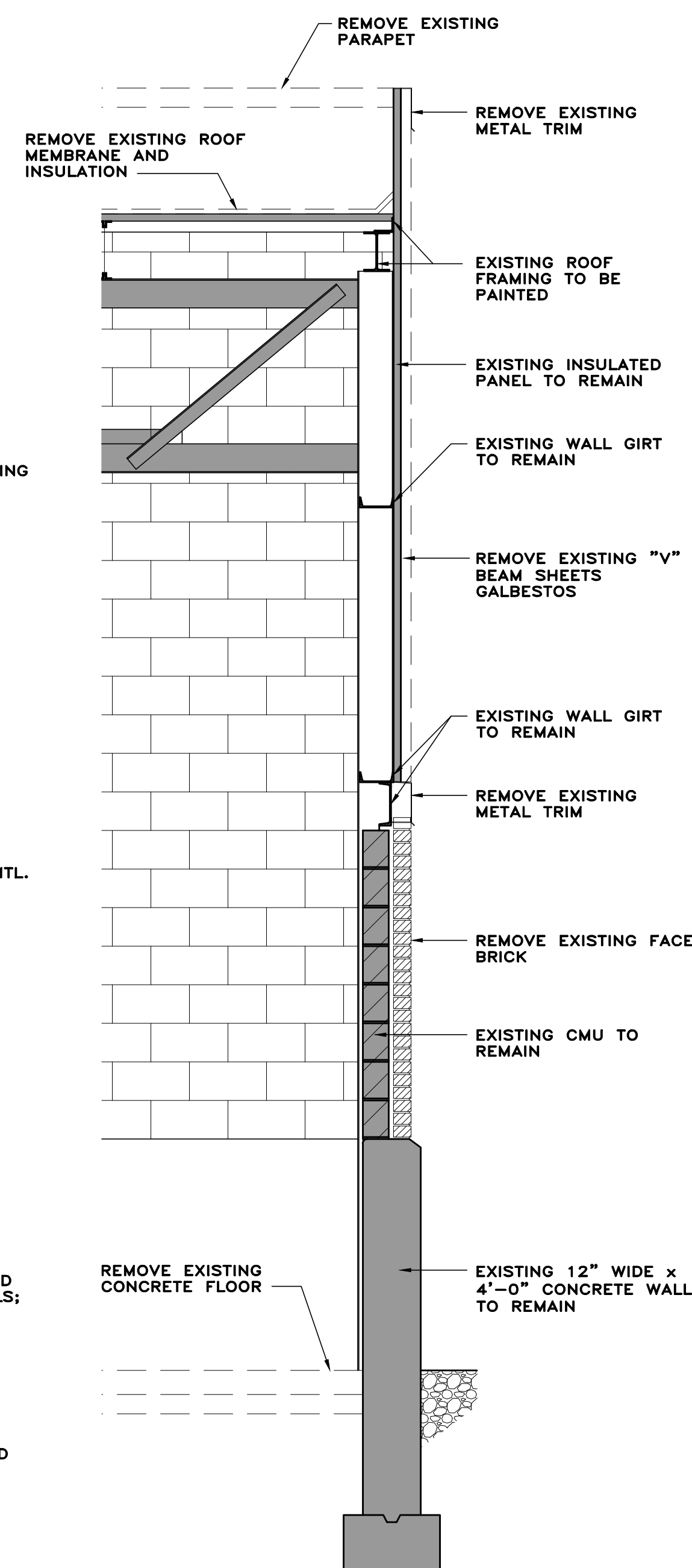
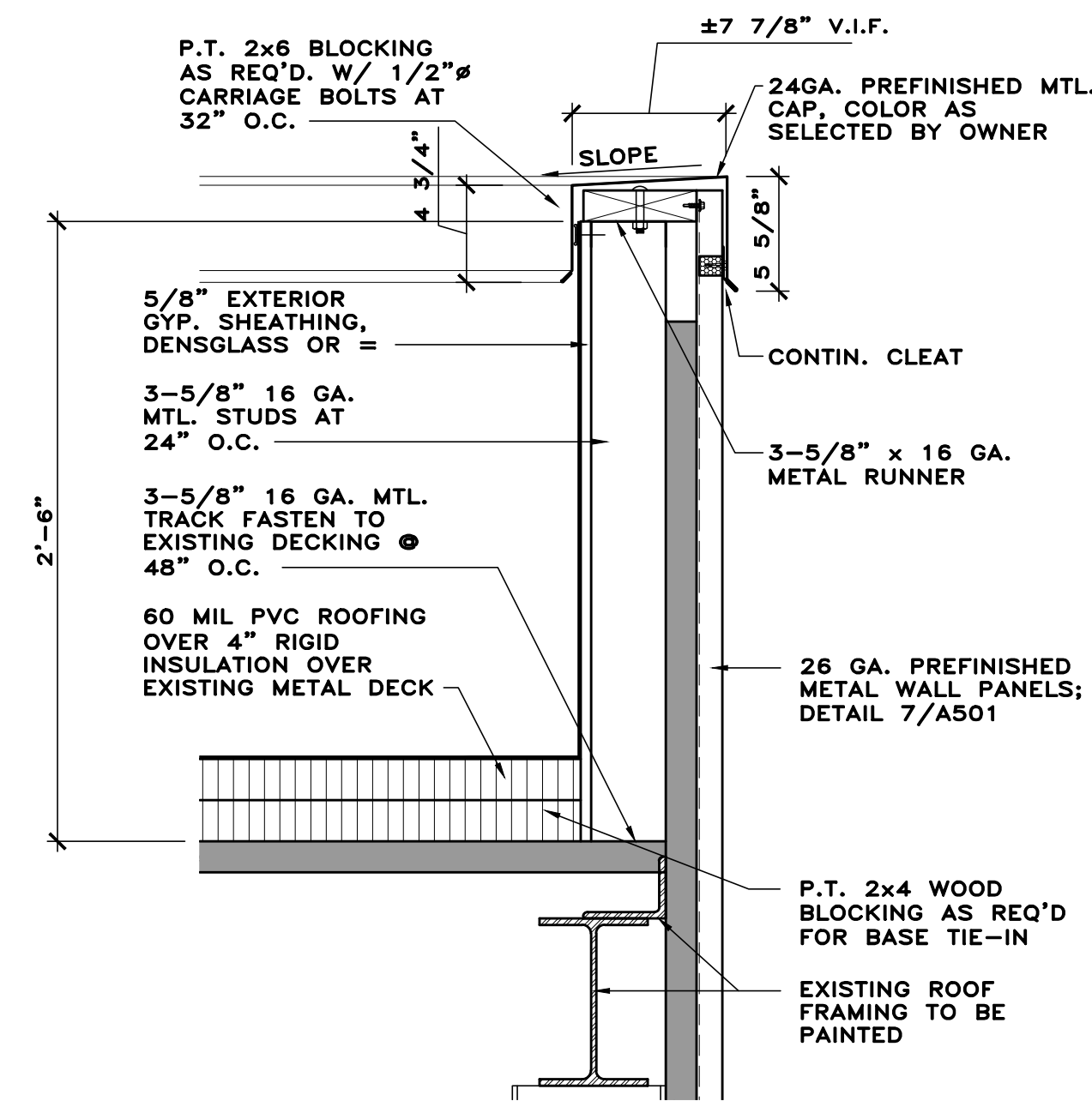
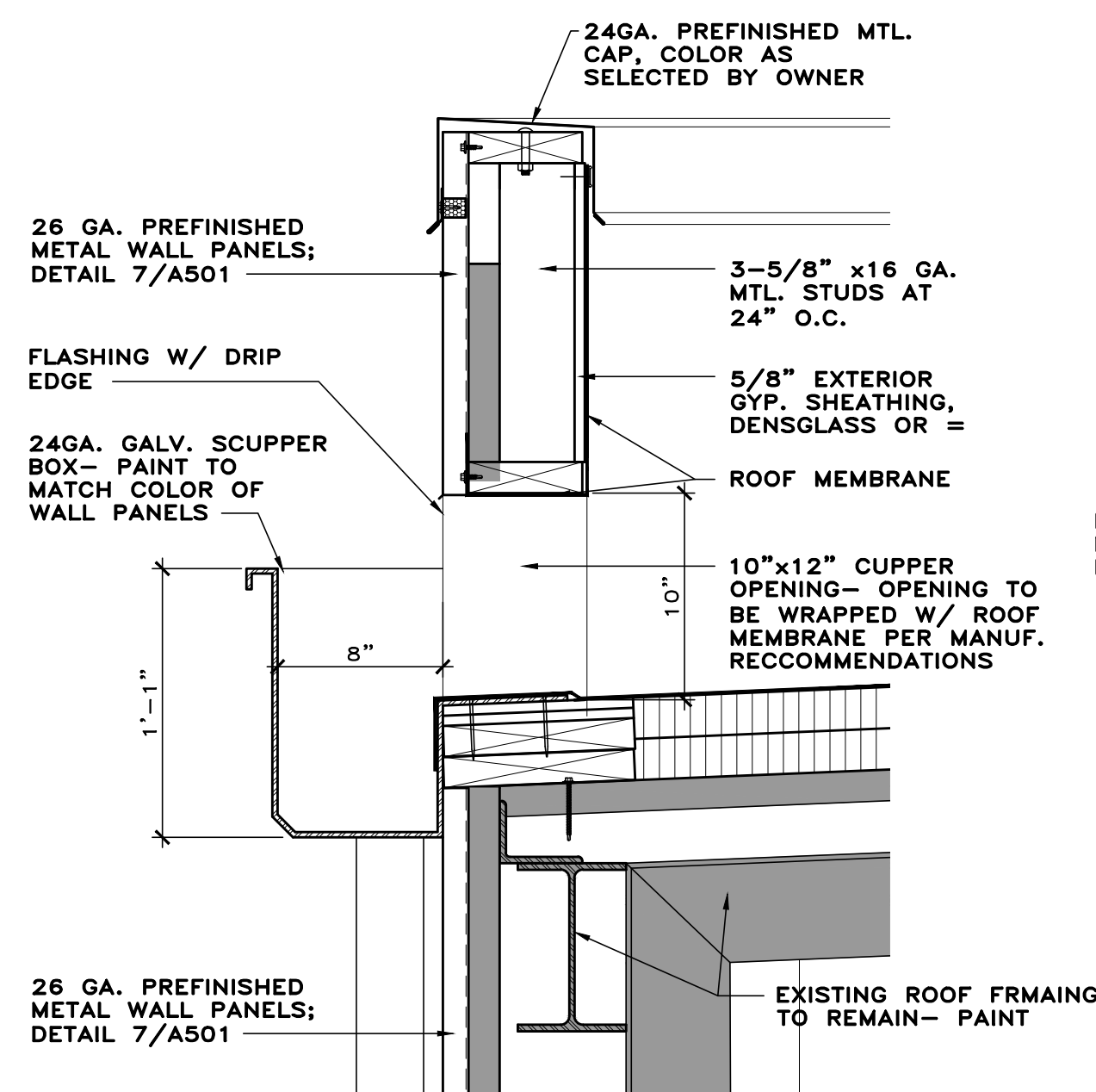
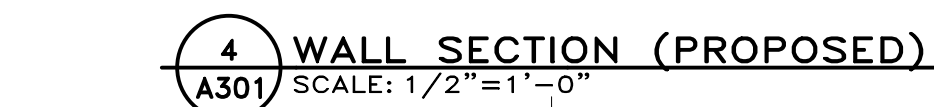
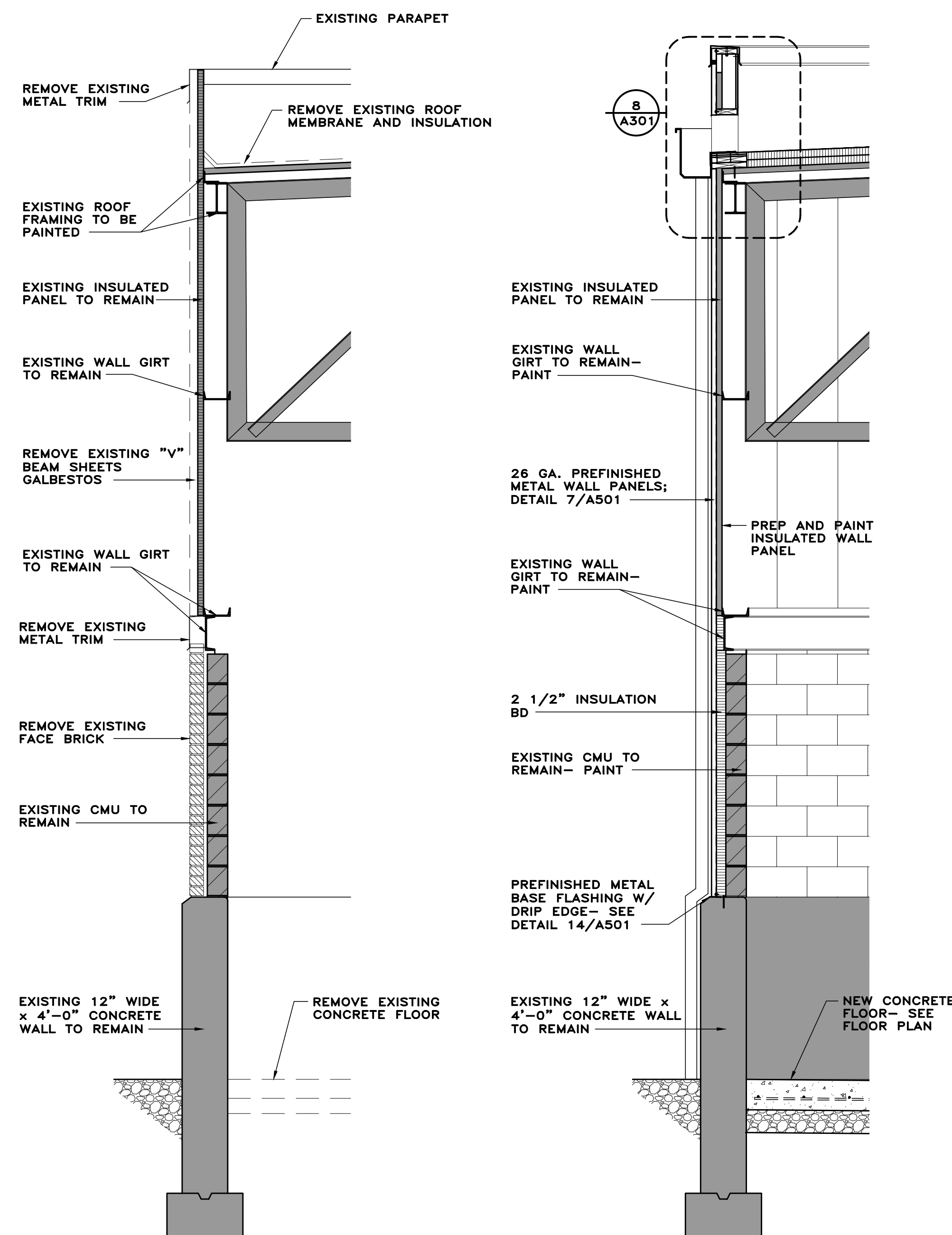
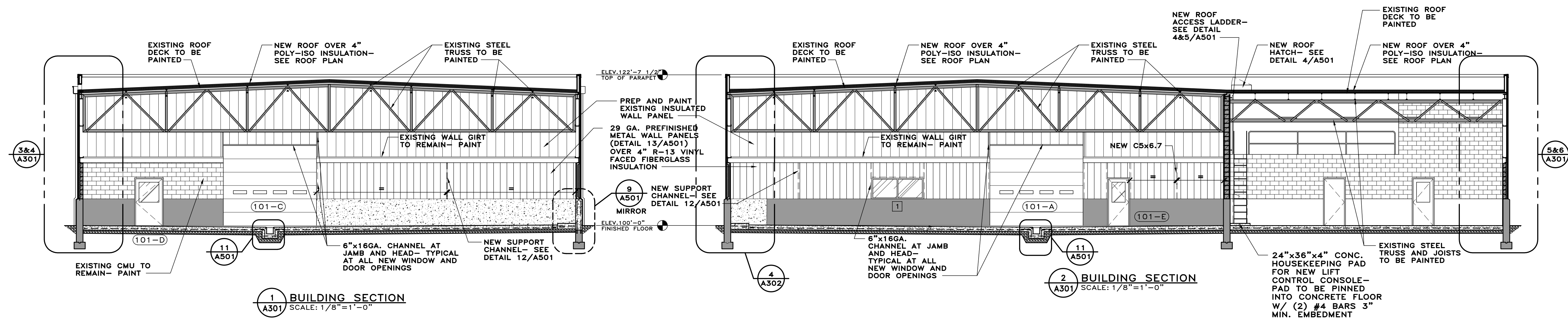
DATE: 11-21

PLOT SCALE: 1:1

JOB NO. 74-2724-21

SHEET A201

OF 6 SHEETS



TDC Technicon Design Group
ARCHITECTURE • ENGINEERING • DESIGN
1800 N PERRY STREET, SUITE 102, OTTAWA, OH 45875 P: 419.523.5323
www.technicondesigningroup.com

**BUILDING RENOVATIONS
HENRY COUNTY
HIGHWAY DEPT.
1343 BALES ROAD
NAPOLEON, OHIO 43545**

THE CONTENTS OF THIS DRAWING SHALL NOT BE USED OR REPRODUCED BY INDIVIDUALS, CORPORATIONS, OR OTHER ENTITIES FOR ANY PURPOSE OTHER THAN THE INTENDED USE FOR THIS PROJECT. IF THIS DRAWING IS USED IN PART OR ITS ENTIRETY, ON WORK OTHER THAN THE PROJECT INTENDED BY TECHNICON DESIGN GROUP, INC., THE RIGHT IS RESERVED TO MAKE A CHARGE FOR ADDITIONAL ARCHITECTURAL AND/OR ENGINEERING FEES. THEREFORE, REUSE OR REPRODUCTION OF THIS DOCUMENT WITHOUT PRIOR WRITTEN CONSENT OF TECHNICON DESIGN GROUP, INC. IS STRICTLY PROHIBITED.

© 2022 TECHNICON DESIGN GROUP, INC.

DO NOT SCALE FROM DRAWINGS. THE ARCHITECT/ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY QUANTITIES OF MATERIALS AND LOCATIONS OF BUILDING COMPONENTS SCALED FROM THESE DRAWINGS.

SECTIONS AND DETAILS

ISSUED DATE

ISSUED DATE
12-22-21 OWNER REVIEW
02-07-22 OWNER REVIEW
02-14-22 OWNER/CONTR REVIEW
02-24-22 FOR BIDS/PERMITS

DRAWN BY: JEM

CHECKED BY: KAN

DATE: 11-2

PLOT SCALE: 1:

JOB NO. 74-2724-21

SHEET

A301

OF 6 SHEETS



**BUILDING RENOVATIONS
HENRY COUNTY
HIGHWAY DEPT.
1343 BALES ROAD
NAPOLEON, OHIO 43545**

THE CONTENTS OF THIS DRAWING SHALL NOT BE USED OR REPRODUCED BY INDIVIDUALS, CORPORATIONS, OR OTHER ENTITIES FOR ANY PURPOSE OTHER THAN THE INTENDED USE FOR THIS PROJECT. IF THIS DRAWING IS USED IN PART OR ITS ENTIRETY, ON WORK OTHER THAN THE PROJECT INTENDED BY TECHNICON DESIGN GROUP, INC., THE RIGHT IS RESERVED TO MAKE A CHARGE FOR ADDITIONAL ARCHITECTURAL AND/OR ENGINEERING FEES. THEREFORE, REUSE OR REPRODUCTION OF THIS DOCUMENT WITHOUT PRIOR WRITTEN CONSENT OF TECHNICON DESIGN GROUP, INC. IS STRICTLY PROHIBITED.

© 2022 TECHNICON DESIGN GROUP, INC.

DO NOT SCALE FROM DRAWINGS. THE ARCHITECT/ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY QUANTITIES OF MATERIALS AND LOCATIONS OF BUILDING COMPONENTS SCALED FROM THESE DRAWINGS.

SECTIONS AND DETAILS

ISSUED DATE

02-07-22	OWNER REVIEW
02-14-22	OWNER/CONTR REVIEW
02-24-22	FOR BIDS/PERMITS

DRAWN BY: JEM

CHECKED BY: KAN

DATE: 11-21-2011

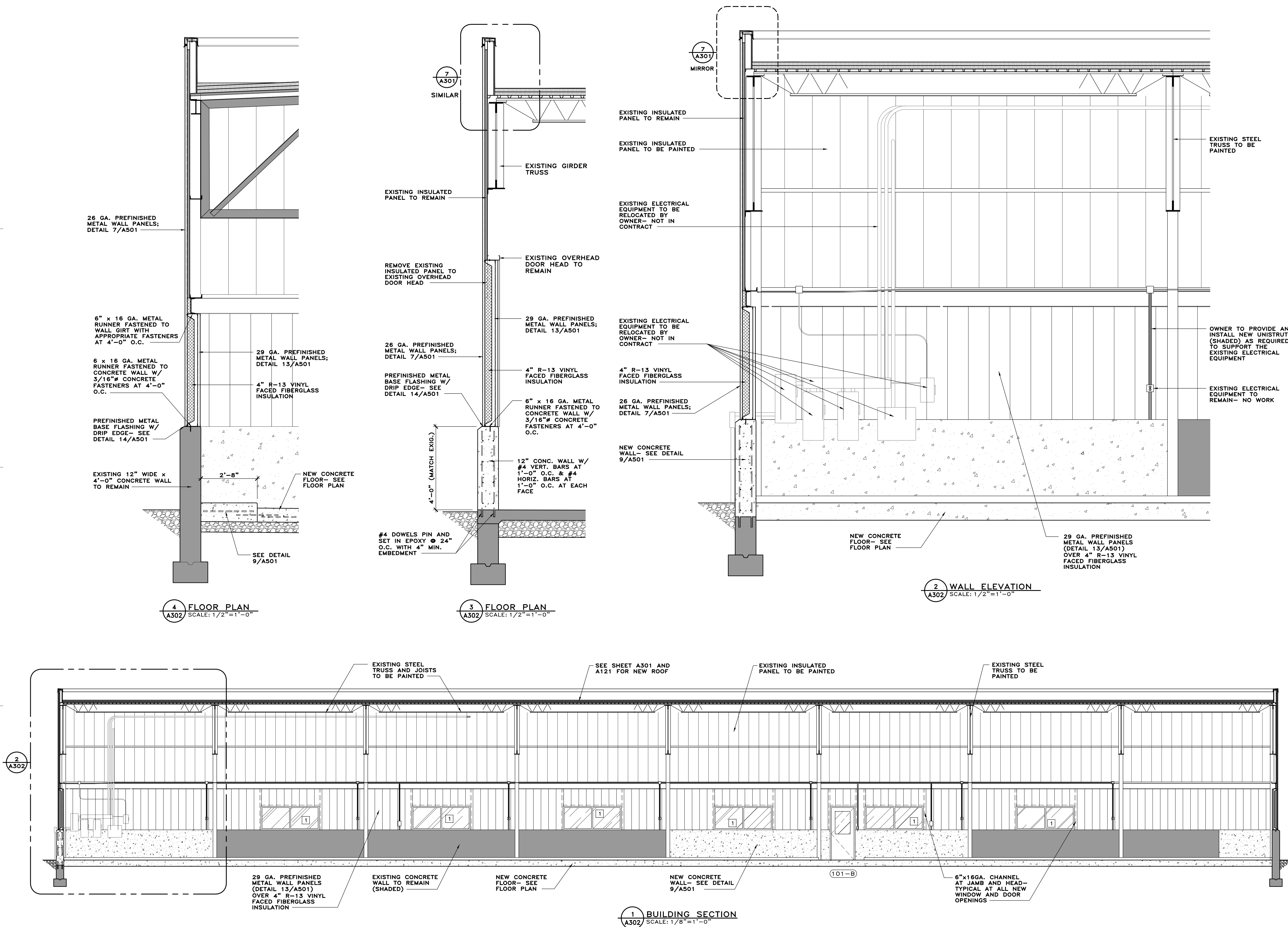
PLOT SCALE: 1:1

JOB NO. 74-2724-21

SHEET

ASUZ
OF 7 SHEETS

OF 7 SHEETS



12" CONC. WALL W/
#4 VERT. BARS AT
1'-0" O.C. & #4
HORIZ. BARS AT
1'-0" O.C. AT EACH
FACE

#4 DOWELS PIN AND
SET IN EPOXY @ 12"
O.C. VERTICAL WITH
4" MIN. EMBEDMENT

EXISTING CONCRETE
WALL

10 WALL CONSTRUCTION JOINT DETAIL
A501 SCALE: 3/4"=1'-0"

2"x2"x1/4" FULLY
GALVANIZED PERIMETER
ANGLE WITH 3/8"x4"L.
NELSON STUDS FULLY
WELDED 3/16" @ 36"
O.C. - ALL JOINTS SHALL
BE FULLY WELDED

HEAVY DUTY WELDED BAR
GRATE DECK - McNICHOLS
"GHB-175" (STEEL)
GALVANIZED - 1 3/4"x1/4"

CONC. FLOOR- SEE
FLOOR PLAN

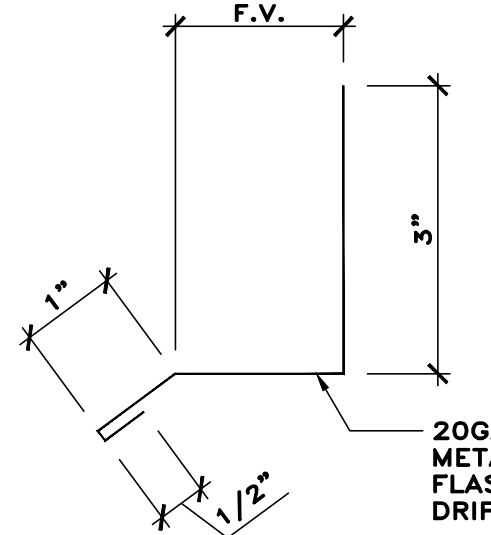
#4 "L" BARS @
12" O.C. W/ 18"
LEG EACH WAY

OUTLET SHALL BE 1"
ABOVE BOTTOM OF
TROUGH W/
PROTECTIVE BASKET-
SEE PLUMBING
DRAWINGS

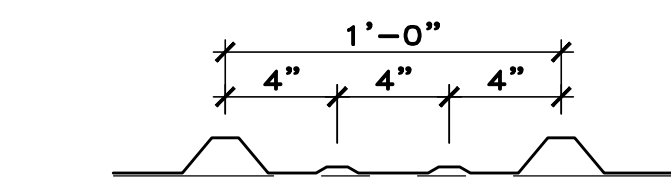
FORM CONCRETE
TROUGH AS
REQUIRED

#4 CONT. BARS
#4 BARS AT 12"
O.C.

11 CONCRETE TROUGH
A501 SCALE: 1"=1'-0"



14 BASE FLASHING DETAIL
A501 SCALE: 6"=1'-0"



29 GAUGE METAL LINER PANEL W/ EXPOSED RIB
SCREW ATTACHMENT. PROVIDE PERFORATED METAL
LINER PANEL AT CEILINGS WHERE INDICATED ON
DRAWINGS.
FINISH: SILICONE POLYESTER
COLOR: AS SELECTED BY OWNER

AMERICAN BUILDINGS CO. "LONGSPAN" OR =
INCLUDE BASE, CAP FLASHINGS & J-CHANNEL
(AT EACH SIDE OF OPENINGS AND COLUMNS) AS
REQ'D.

13 MTL. LINER PANEL PROFILE
A501 SCALE: N.T.S.

EXISTING INSULATED
PANEL TO REMAIN

1/2" # A307 BOLT-
1 PER CONNECTION

2"x6"x1/2" PLATE
WELDED TO NEW
C5x6.7 W/ 3/16"
WELD

NEW C5x6.7

2"x6"x1/2" PLATE
WELDED TO NEW
C5x6.7 W/ 3/16"
WELD

3/8" # HILTI KWIK
BOLT III W/ 2" MIN.
EMBEDMENT

CONCRETE WALL

12 NEW SUPPORT CHANNEL DETAIL
A501 SCALE: 1"=1'-0"

CHAMFER TO MATCH
EXISTING

SEE SECTIONS FOR
WALL MATERIAL

12" CONC. WALL W/
#4 VERT. BARS AT
1'-0" O.C. & #4
HORIZ. BARS AT
1'-0" O.C. AT EACH
FACE

2'-8"

SLOPE 1"

(2) CONT. #4 BARS
AT 24" O.C. W/ #4
TIES AT 24" O.C.

NEW CONCRETE
FLOOR- SEE
SHEET A101

#4 DOWEL x 24"
LONG AT 12" O.C.

EXISTING CONCRETE WALL
AND FOUNDATION

9 FOUNDATION WALL DETAIL
A501 SCALE: 3/4"=1'-0"

SLAB ON GRADE-
SEE FOUNDATION
PLAN

1/2"H. ALUM
THRESHOLD

4" CONC. SLAB W/
#4 BARS @ 12" O.C.

1"x22GA G60
FORM DECK

SL. 2% MAX.

1/2" EXP. JT.

VOID SPACE

#4 DOWEL x 16"
LG. PINNED AND
SET IN EPOXY AT
12" O.C. W/ 4"
MIN. EMBEDMENT

6" CURB WALL
W/ #4 HORIZ.
BARS @ 12" O.C.
& #4 DOWELS @
16" O.C. W/ 18"
HOOKS INTO
CONC. SLAB

EXISTING CONCRETE
WALL AND FOUNDATION

CMU BRICKS
PERIMETER

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

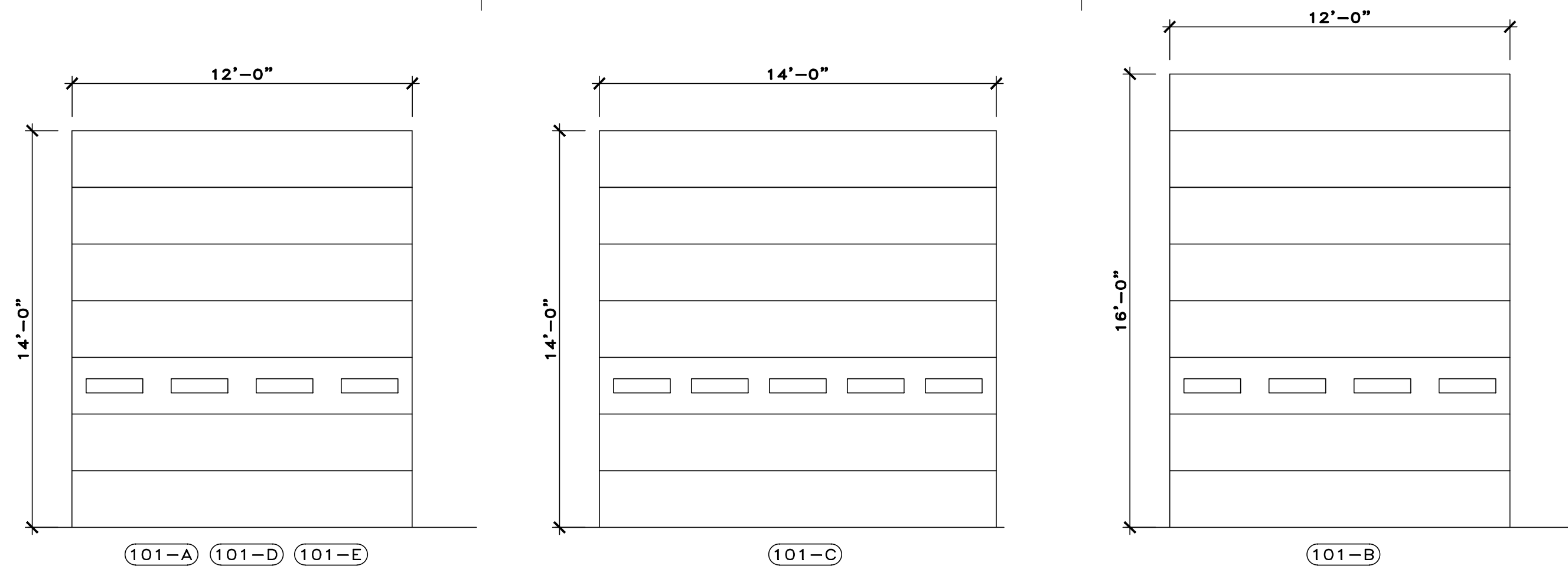
EXISTING CONCRETE
DECK

1/4" TYP.

#6 STL. BAR
RUNGS

1/2" x 2" x 1/2" STL.
BAR BEAMS

EXISTING CONCRETE
DECK



INSULATED SECTIONAL STEEL OVERHEAD DOOR, FLUSH PROFILE WITH SHIPLAP JOINT, TEMPERED LIGHT UNITS, WITH SEALS AT PERIMETER, WAYNE-DALTON "THERMOSPAN" 200 OR EQUAL.
COLOR: WHITE EMBOSSED STUCCO
DESIGN LOAD PRESSURE: =+11.4/-12.7 PSF

DOOR TYPES

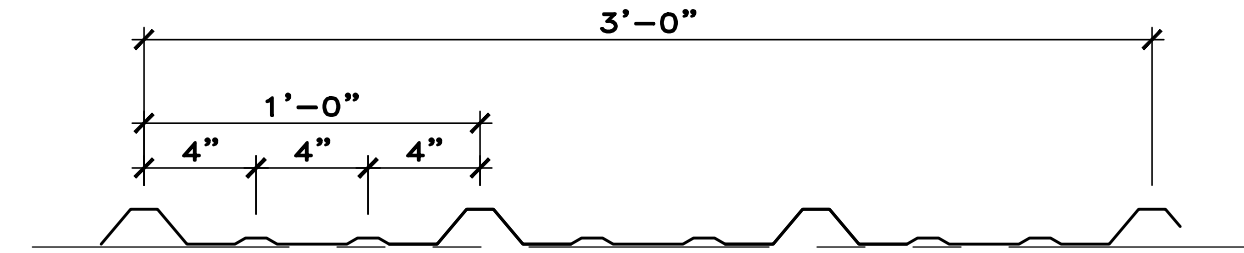
SCALE: 1/4"=1'-0"

KEYNOTES

- EXISTING OVERHEAD DOOR, TRACK, HARDWARE AND OPENER TO BE REMOVED AND REPLACED WITH NEW- SEE DOOR TYPES
- G.C. SHALL FRAME IN NEW OPENING FOR OVERHEAD DOOR- SEE DETAIL 2/A801.
- NEW 20AMP BREAKER; 20AMP RECEPTACLE, 1" CONDUIT, 3#12 THHN WIRES AND CONTROLS FOR NEW OVERHEAD DOOR. BY OWNER, NOT IN THIS CONTRACT
- EXISTING 200AMP POWER PANEL TO REMAIN.

GENERAL NOTES

- DIMENSIONS INDICATED ON THIS PLAN ARE TO CENTERLINE OF P.E.M.B. COLUMN LINES, EXTERIOR FACE OF P.E.M.B. GIRTS (BUILDING LINE), DOOR OPENINGS & FACE OF NOMINAL MASONRY.
- PROVIDE PREFINISHED MTL. CHANNEL COVERS HEAD & JAMB TRIM AT ALL OVERHEAD DOOR HEADS & JAMBS.



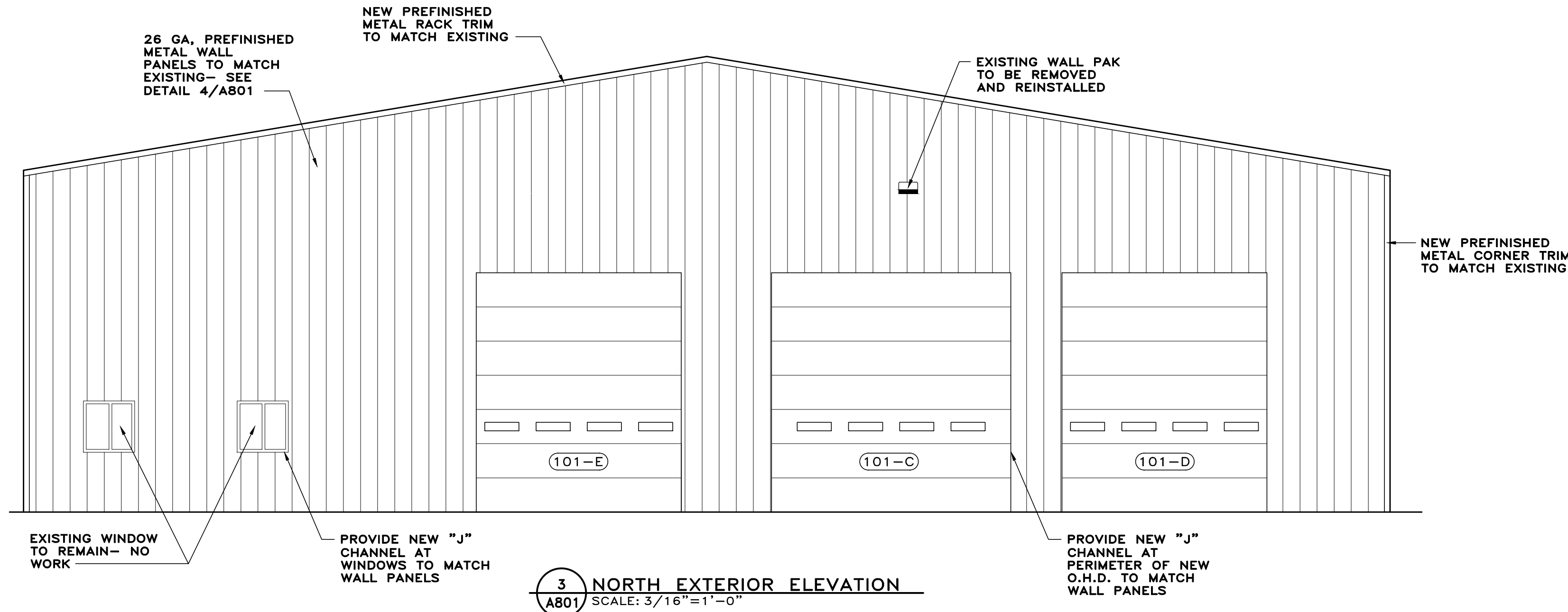
26 GAUGE METAL ARCHITECTURAL LINER PANEL W/ EXPOSED RIB SCREW ATTACHMENT.
FINISH: SILICONE POLYESTER
COLOR: TO MATCH EXISTING

DIMENSIONAL METALS INC. WPRP OR =
INCLUDE BASE AND CAP FLASHINGS AS REQ'D.

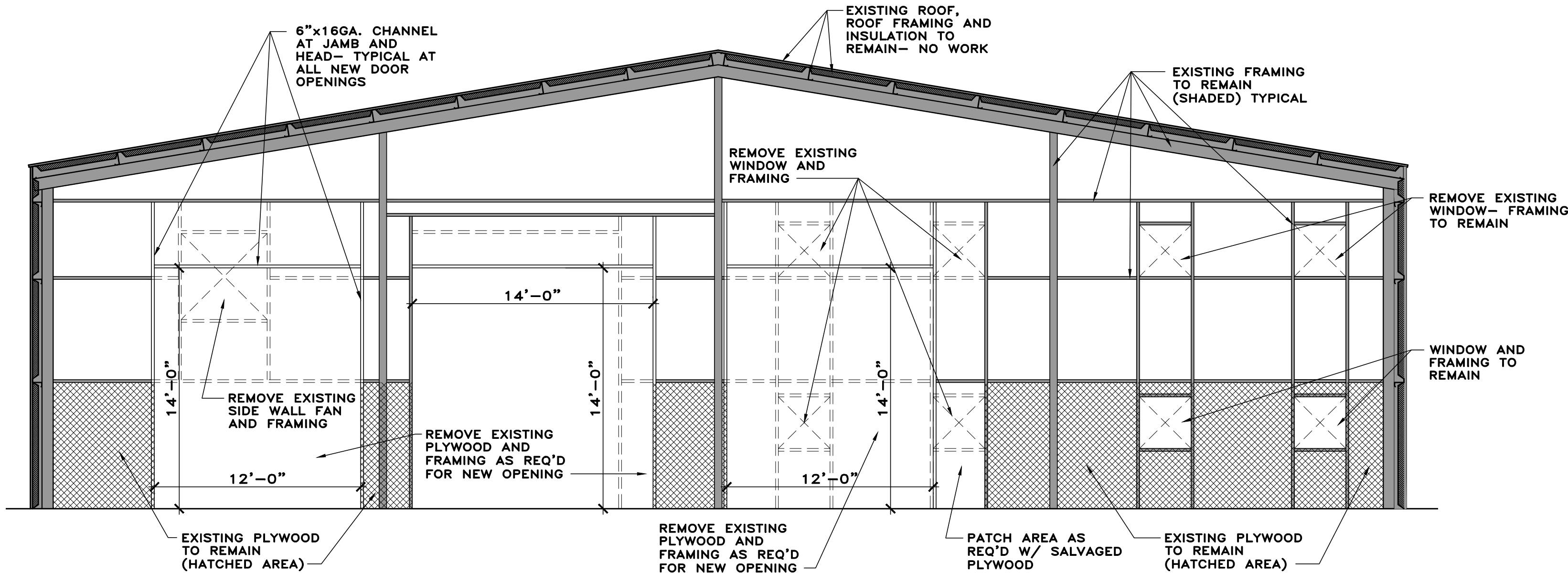
4 LINER PANEL
A801 SCALE: N.T.S.

GENERAL DEMOLITION NOTES

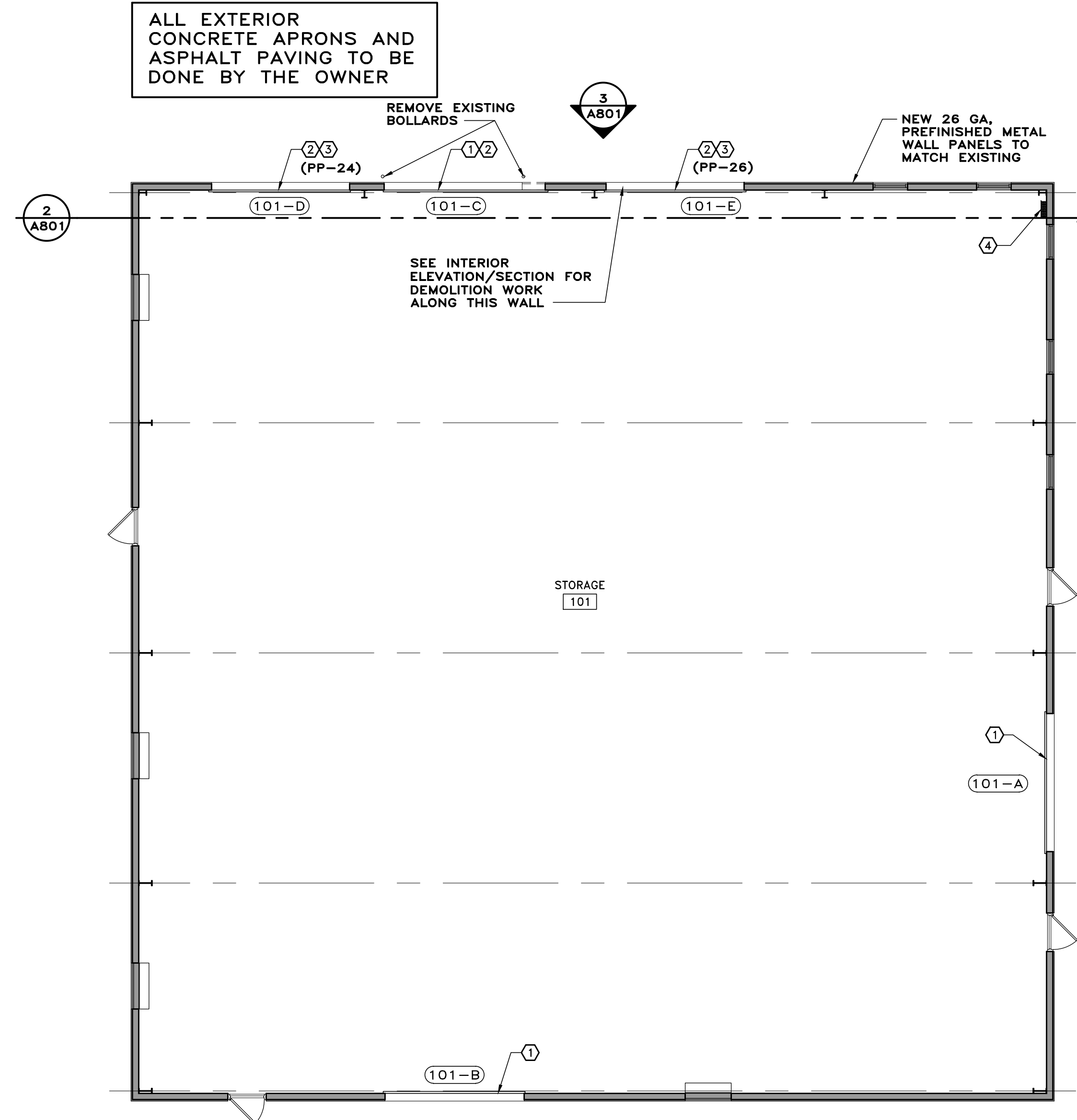
- ALL CONTRACTORS SHALL BE RESPONSIBLE FOR THE PROTECTION OF SURROUNDING ADJACENT OR ATTACHED COMPONENTS & MATERIALS DURING DEMOLITION.
- ALL CONTRACTORS SHALL FIELD VERIFY ALL EXISTING CONDITIONS & UTILITY LOCATIONS PRIOR TO BIDDING & BEGINNING WORK. IN THE EVENT OF CONFLICTS, CONTRACTOR SHALL SEEK RESOLUTION FROM ARCHITECT PRIOR TO BEGINNING WORK.
- THE OWNER SHALL RETAIN RIGHTS OF OWNERSHIP FOR ALL SALVAGED MATERIALS & EQUIPMENT REMOVED (THAT IS INDICATED TO BE RETAINED BY THE OWNER). SALVAGED ITEMS SHALL BE RELOCATED OR PLACED IN STORAGE AS DIRECTED BY THE OWNER. NON-SALVAGEABLE MATERIALS SHALL BE REMOVED FROM THE SITE AND PROPERLY DISPOSED OF BY THE CONTRACTOR.
- WHERE EXISTING WALLS, CEILINGS, FLOORS, ETC. TO REMAIN ARE DAMAGED DURING DEMOLITION & CONSTRUCTION, THE G.C. SHALL PATCH & REPAIR EXISTING DAMAGED SURFACES TO MATCH EXISTING ADJACENT SURFACE MATERIALS, INCLUDING LOCATIONS WHERE PLUMBING, MECHANICAL & ELECTRICAL ARE REMOVED. SEE PLMG., MECH. & ELEC. DWGS. FOR LOCATIONS.
- FIELD VERIFY LOCATIONS OF EXISTING ELEC. PANELS.
- REFER TO PLMG., MECHANICAL & ELECTRICAL DWGS. FOR FURTHER DEMOLITION WORK PERFORMED BY P.C., M.C. & E.C. THE G.C. SHALL PERFORM ANY REQ'D. PATCHING & REPAIRS AS INDICATED UNDER GENERAL NOTE #4.
- THE G.C. SHALL PROVIDE ALL NECESSARY SHORING REQ'D. FOR SUPPORT OF WALLS, CEILINGS, FLOORS & OTHER STRUCTURAL MEMBERS DURING DEMOLITION. SHORING SHALL BE LEFT IN PLACE UNTIL NEW WORK IS IN PLACE.
- SAW CUTTING & REMOVAL OF CONCRETE FLOORS AS REQ'D. FOR INSTALLATION OF NEW UNDER SLAB UTILITIES SHALL BE BY THE G.C., U.N.O. ALL TRENCHING & BACKFILL SHALL BE BY THE P.C., M.C. OR E.C. RESPECTIVELY THE G.C. SHALL PATCH & REPAIR ALL CONCRETE, COORDINATE WORK BETWEEN TRADES, SEE DEMOLITION & MEP DWGS.
- THE OWNER IS RESPONSIBLE FOR THE REMOVAL OF ALL SHELVING, TOOLS, EQUIPMENT ETC THAT ARE NOT CONNECTED TO THE BUILDING STRUCTURE.



3 NORTH EXTERIOR ELEVATION
A801 SCALE: 3/16"=1'-0"

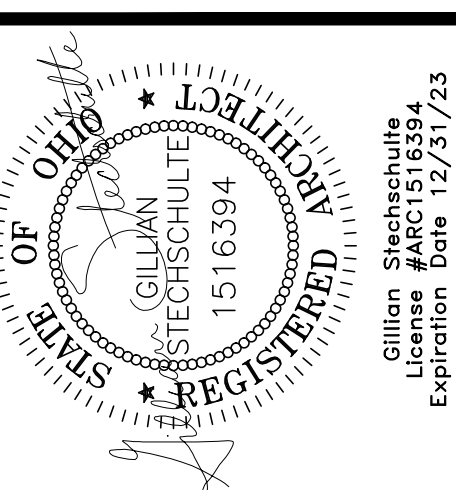


2 INTERIOR WALL FRAMING SECTION/ELEVATION
A801 SCALE: 3/16"=1'-0"



1 FLOOR PLAN
A801 SCALE: 1/8"=1'-0"

ALTERNATE G-1



Technicon Design Group
ARCHITECTURE . ENGINEERING . DESIGN
1800 N PERRY STREET, SUITE 102, OTTAWA, OH 45875 P:419.523.5323
www.technicondesigngroup.com

BUILDING RENOVATIONS
HENRY COUNTY
HIGHWAY DEPT.
1343 BALES ROAD
NAPOLEON, OHIO 43545

THE CONTENTS OF THIS DRAWING SHALL NOT BE USED OR REPRODUCED BY INDIVIDUALS, COMPANIES, OR OTHER ENTITIES FOR ANY PURPOSE OTHER THAN THE INTENDED USE FOR THIS PROJECT. IF THIS DRAWING IS USED FOR ANY OTHER PROJECT, OR FOR ANY OTHER PURPOSE, WITHOUT THE WRITTEN CONSENT OF TECHNICON DESIGN GROUP, INC., THE USER ASSUMES ALL LIABILITY FOR ANY AND ALL DAMAGES, LOSSES, AND/OR ENGINEERING FEES. THEREFORE, REUSE OR REPRODUCTION OF THIS DOCUMENT WITHOUT THE WRITTEN CONSENT OF TECHNICON DESIGN GROUP, INC. IS STRICTLY PROHIBITED.

© 2022 TECHNICON DESIGN GROUP, INC.

DO NOT SCALE FROM DRAWINGS. THE ARCHITECT/ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY QUANTITIES OF MATERIALS AND LOCATIONS OF BUILDING COMPONENTS SCALED FROM THESE DRAWINGS.

ALTERNATE G-1
FLOOR PLAN, DOORS,
DETAILS AND NOTES

ISSUED DATE
12-22-21 OWNER REVIEW
02-07-22 OWNER REVIEW
02-14-22 OWNER/CONT. REVIEW
02-24-22 FOR BIDS/PERMITS

DRAWN BY: JEM
CHECKED BY: KAN
DATE: 11-21
PLOT SCALE: 1:1
JOB NO. 74-2724-21
SHEET **A801**
OF 6 SHEETS



BUILDING RENOVATIONS
HENRY COUNTY
HIGHWAY DEPT.
1343 BALES ROAD
NAPOLEON, OHIO 43545

THE CONTENTS OF THIS DRAWING SHALL NOT BE USED OR REPRODUCED BY INDIVIDUALS, CORPORATIONS, OR OTHER ENTITIES FOR ANY PURPOSE OTHER THAN THE INTENDED USE FOR THIS PROJECT. IF THIS DRAWING IS USED IN PART OR ITS ENTIRETY, OR MORE COPIES THAN THE PROJECT INTENDED BY TECHNICON DESIGN GROUP, INC., THE RIGHT IS RESERVED TO MAKE A CHANGE FOR ADDITIONAL ARCHITECTURAL AND/OR ENGINEERING FEES. THEREFORE, REUSE OR REPRODUCTION OF THIS DOCUMENT WITHOUT PRIOR WRITTEN CONSENT OF TECHNICON DESIGN GROUP, INC. IS STRICTLY PROHIBITED.

© 2022 TECHNICON DESIGN GROUP, INC.

DO NOT SCALE FROM DRAWINGS. THE ARCHITECT/ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY QUANTITIES OF MATERIALS AND LOCATIONS OF BUILDING COMPONENTS SCALED FROM THESE DRAWINGS.

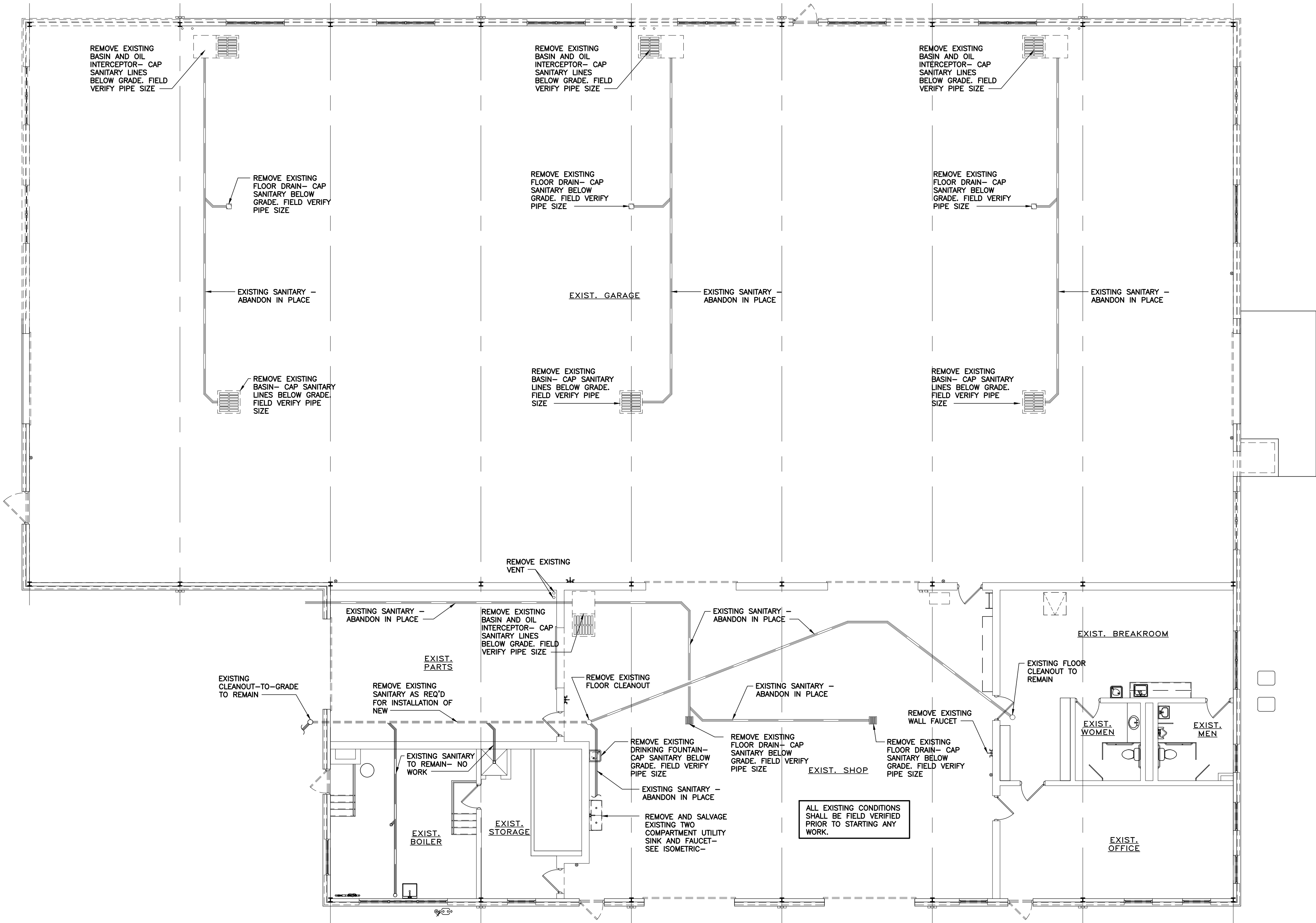
DEMO PLUMBING PLAN AND NOTES

ISSUED DATE	
02-07-22	OWNER REVIEW
02-14-22	OWNER/CONTR REVIEW
02-24-22	FOR BIDS/PERMITS

DRAWN BY:	JEM
CHECKED BY:	SAB
DATE:	11-21
PLOT SCALE:	1:1
JOB NO.	74-2724-21
SHEET	P100
OF	4 SHEETS

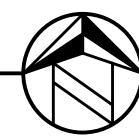
GENERAL DEMOLITION NOTES

- ALL CONTRACTORS SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND UTILITY LOCATIONS PRIOR TO BIDDING & BEGINNING WORK. IN THE EVENT OF CONFLICTS, CONTRACTOR SHALL SEEK RESOLUTION FROM OWNER AND/OR ARCHITECT PRIOR TO BEGINNING WORK.
- THE OWNER SHALL RETAIN RIGHTS OF OWNERSHIP FOR ALL SALVAGEABLE MATERIALS, FIXTURES, AND EQUIPMENT REMOVED. SALVAGED ITEMS SHALL BE RELOCATED OR PLACED IN STORAGE AS DIRECTED BY OWNER. NON-SALVAGEABLE MATERIALS OR ITEMS THEY DO NOT WANT SHALL BE REMOVED FROM THE SITE AND PROPERLY DISPOSED OF BY THE CONTRACTOR.
- ANY PLUMBING FIXTURES BEING REMOVED AND SALVAGED FOR REUSE (SEE KEYNOTES) SHALL BE PROPERLY STORED AND PROTECTED FROM DAMAGE UNTIL FIXTURES ARE READY FOR INSTALLATION. FIXTURES SHALL BE THOROUGHLY CLEANED AFTER INSTALLATION.
- THE LOCATIONS AND SIZES OF EXISTING UNDER SLAB SANITARY LINES MUST BE FIELD VERIFIED PRIOR TO ANY SAW CUTTING OF FLOOR SLABS.
- P.C. SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND TRACE EXISTING SUPPLY PIPING MAINS, BRANCHES AND FEEDS TO ALL EXISTING LOCATIONS AND FIXTURES PRIOR TO SHUTTING OFF WATER AND REMOVING EXISTING PIPING.



DEMOLITION PLAN - PLUMBING

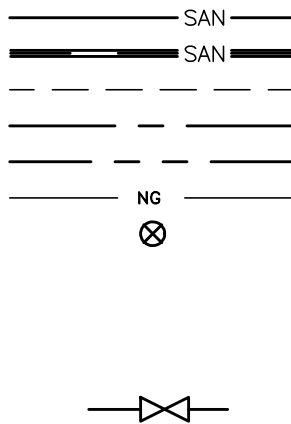
SCALE: 1/8"=1'-0"



PLUMBING LEGEND

PLUMBING CONTRACTOR
GENERAL CONTRACTOR
MECHANICAL CONTRACTOR
ELECTRICAL CONTRACTOR
AUTHORITY HAVING JURISDICTION
ABOVE FINISHED FLOOR
SOIL , WASTE OR SANITARY SEWER – ABOVE FLOOR
SOIL , WASTE OR SANITARY SEWER – BELOW FLOOR
VENT
DOMESTIC COLD WATER
DOMESTIC HOT WATER
NATURAL GAS
WATER HAMMER ARRESTER
PLUMBING DRAINAGE INSTITUTE 'SIZE'
VENT THRU ROOF
FLOOR CLEANOUT
CLEANOUT TO GRADE
SHUTOFF VALVE

P.C.
G.C.
M.C.
E.C.
A.H.J.
A.F.F.
SAN
SAN
V
DCW
DHW
NG
WHA
PDI
VTR
FCO
COTG

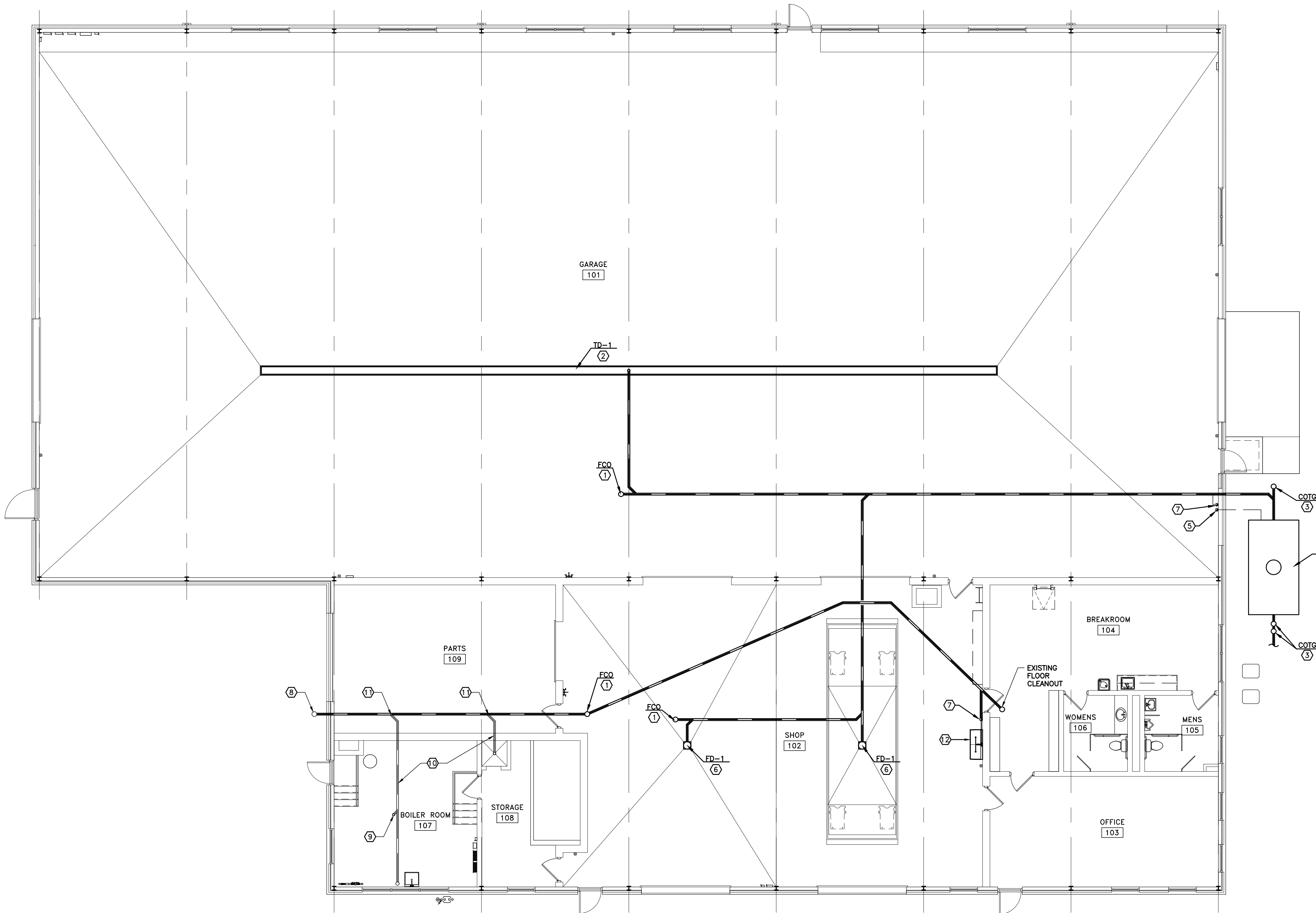


KEY NOTES

1. INSTALL 4" FLOOR CLEANOUT. SEE FLOOR CLEANOUT DETAIL '2' ON SHEET P201. COORDINATE FLOOR ELEVATION HEIGHT WITH G.C. SEE PLUMBING FIXTURE SCHEDULE ON SHEET P201. SEE SANITARY ISOMETRIC ON SHEET P201. SEE PLUMBING SPECIFICATIONS ON SHEET P901.
2. CAST-IN-PLACE CONCRETE TROUGH. PLUMBING CONNECTIONS, TRAP AND CLEANOUT BY P.C. COORDINATE INSTALLATION WITH G.C. SEE SANITARY ISOMETRIC ON SHEET P201.
3. P.C. SHALL PROVIDE AND INSTALL 4" COTG OUTSIDE BUILDING. SEE PLUMBING FIXTURE SCHEDULE AND CLEANOUT TO GRADE DETAIL '3' ON SHEET P201. PLUMBING SPECIFICATIONS ON SHEET P901
4. PROVIDE AND INSTALL TRAFFIC RATED OIL INTERCEPTOR EQUAL TO HANSON PIPE AND PRECAST MODEL 011500TRSC. SEE OIL INTERCEPTOR DETAIL '1' ON SHEET P201. SEE SANITARY ISOMETRIC ON SHEET P201.
5. ROUTE 3" VENT FROM OIL INTERCEPTOR TO EXTERIOR WALL, UP INTERIOR SIDE OF WALL, AND TERMINATE A MINIMUM OF 2'-0" ABOVE ROOF. ROOF PENETRATION SHALL BE A MINIMUM OF 5'-0" FROM EDGE OF ROOF. P.C. TO PROVIDE DEKITTIE FLASHING AT PENETRATION. COORDINATE WITH G.C.
6. SUPPLY AND INSTALL FLOOR DRAIN PER MANUFACTURER'S RECOMMENDATION. COORDINATE WITH G.C. FOR TOP OF FIXTURE ELEVATION. ALL FLOOR DRAIN LOCATIONS SHALL BE COORDINATED WITH OWNER AND G.C. SEE SANITARY ISOMETRIC ON SHEET P201. SEE FIXTURE SCHEDULE ON SHEET P201. SEE SPECIFICATIONS ON SHEET P901.
7. ROUTE 3" VENT FROM SANITARY UP WALL AND TERMINATE A MINIMUM OF 2'-0" ABOVE ROOF. ROOF PENETRATION SHALL BE A MINIMUM OF 5'-0" FROM EDGE OF ROOF. P.C. TO PROVIDE DEKITTIE FLASHING AT PENETRATION. COORDINATE WITH G.C.
8. EXISTING CLEANOUT-TO-GRADE TO REMAIN.
9. EXISTING FLOOR DRAIN TO REMAIN.
10. EXISTING SANITARY LINE TO REMAIN- FIELD LOCATE
11. TIE EXISTING SANITARY INTO NEW SANITARY AS REQUIRED. FIELD VERIFY DEPTH AND SIZE OF EXISTING SANITARY LINE PRIOR TO STARTING ANY WORK.
12. RELOCATED TWO COMPARTMENT UTILITY SINK AND FAUCET. ROUTE 1/2" DCW AND DHW TO FIXTURE AND INSTALL ANGLE SUPPLY STOPS.

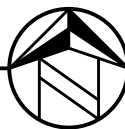
P.C. GENERAL NOTES:

1. COMPLY WITH ALL FEDERAL, STATE, AND LOCAL CODES, ORDINANCES, RULES AND REGULATIONS.
2. PLACEMENT OF FIXTURES AND PIPE ROUTING SHALL BE COORDINATED WITH ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS AND TRADES.
3. FIELD VERIFY LOCATION OF EQUIPMENT, FIXTURES, AND PIPING TO ENSURE NO INTERFERENCES WITH FIELD CONDITIONS.
4. ALL PLUMBING WORK SHALL BE COORDINATED WITH G.C. E.C. AND M.C. PRIOR TO INSTALLATION.
5. DRAWINGS ARE SCHEMATIC IN NATURE AND MAY NOT SHOW ALL ELEVATION CHANGES AND HORIZONTAL OFFSETS. CONTRACTOR SHALL FIELD ADJUST AS REQUIRED AND SHALL MINIMIZE OFFSETS WHERE POSSIBLE.
6. ALL EXISTING SANITARY LINE TO BE ABANDONED SHALL BE CAPPED AS REQ'D BELOW GRADE.



FLOOR PLAN – PLUMBING

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



Technicon Design Group
ARCHITECTURE · ENGINEERING · DESIGN
1800 N PERRY STREET, SUITE 102, OTTAWA, OH 44875 P:419.523.5523
www.technicondesigngroup.com

BUILDING RENOVATIONS
HENRY COUNTY
HIGHWAY DEPT.
1343 BALES ROAD
NAPOLEON, OHIO 43545

THE CONTENTS OF THIS DRAWING SHALL NOT BE USED OR REPRODUCED BY INDIVIDUALS, CORPORATIONS, OR OTHER ENTITIES FOR ANY PURPOSE OTHER THAN THE INTENDED USE FOR THIS PROJECT. IF THIS DRAWING IS USED IN PART OR ITS ENTIRETY, ON WORK OTHER THAN THE PROJECT INTENDED BY TECHNICON DESIGN GROUP, INC., THE RIGHT IS RESERVED TO MAKE A CHANGE FOR ADDITIONAL ARCHITECTURAL AND/OR ENGINEERING FEES. THEREFORE, REUSE OR REPRODUCTION OF THIS DOCUMENT WITHOUT PRIOR WRITTEN CONSENT OF TECHNICON DESIGN GROUP, INC. IS STRICTLY PROHIBITED.

© 2022 TECHNICON DESIGN GROUP, INC.

DO NOT SCALE FROM DRAWINGS. THE ARCHITECT/ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY QUANTITIES OF MATERIALS AND LOCATIONS OF BUILDING COMPONENTS SCALED FROM THESE DRAWINGS.

PLUMBING FLOOR PLAN AND NOTES

ISSUED DATE
12-22-21 OWNER REVIEW
02-07-22 OWNER REVIEW
02-14-22 OWNER/CONTR REVIEW
02-24-22 FOR BIDS/PERMITS

DRAWN BY: JEM

CHECKED BY: SAB

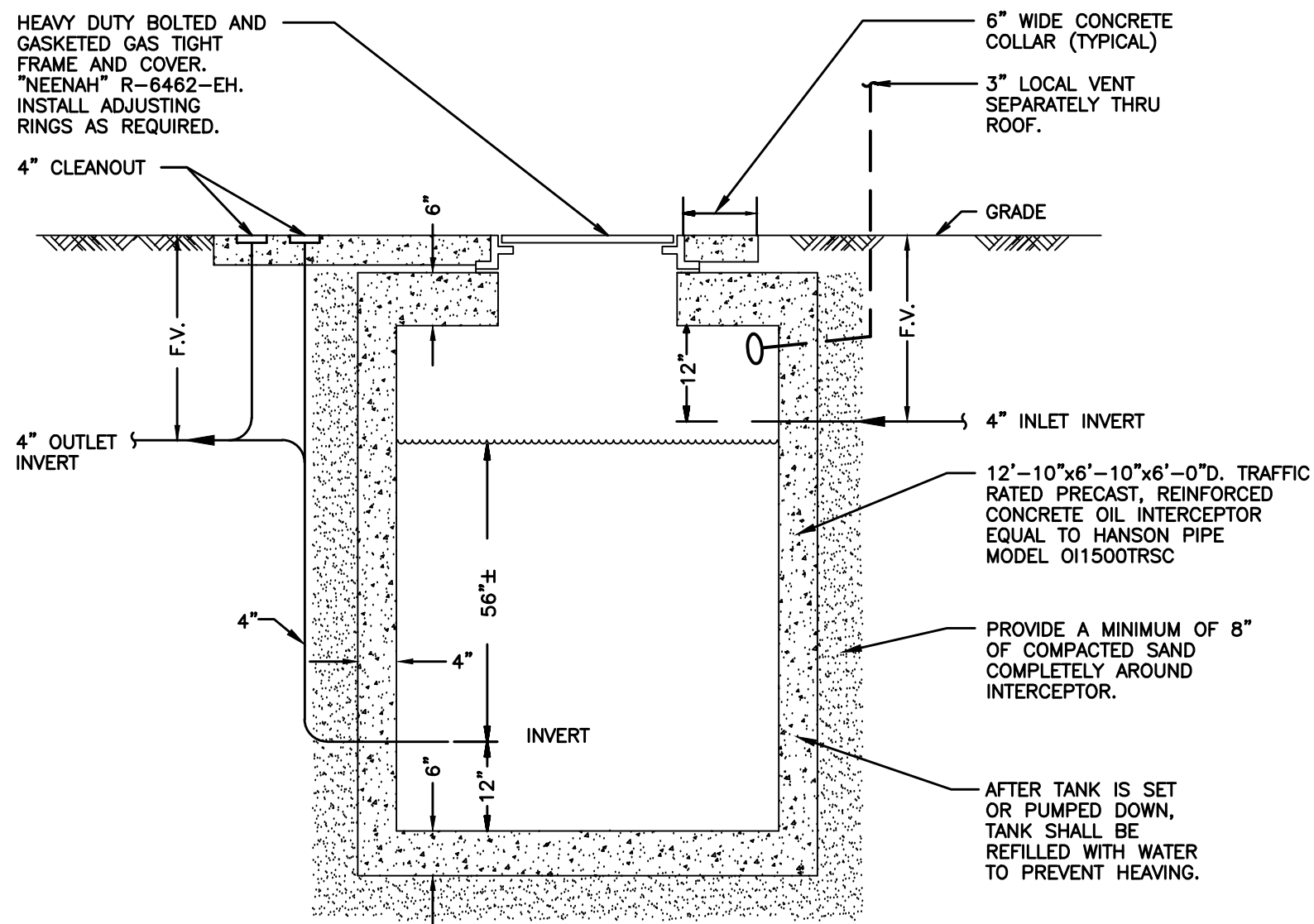
DATE: 11-21

PLOT SCALE: 1:1

JOB NO. 74-2724-21

SHEET
P101

OF 4 SHEETS



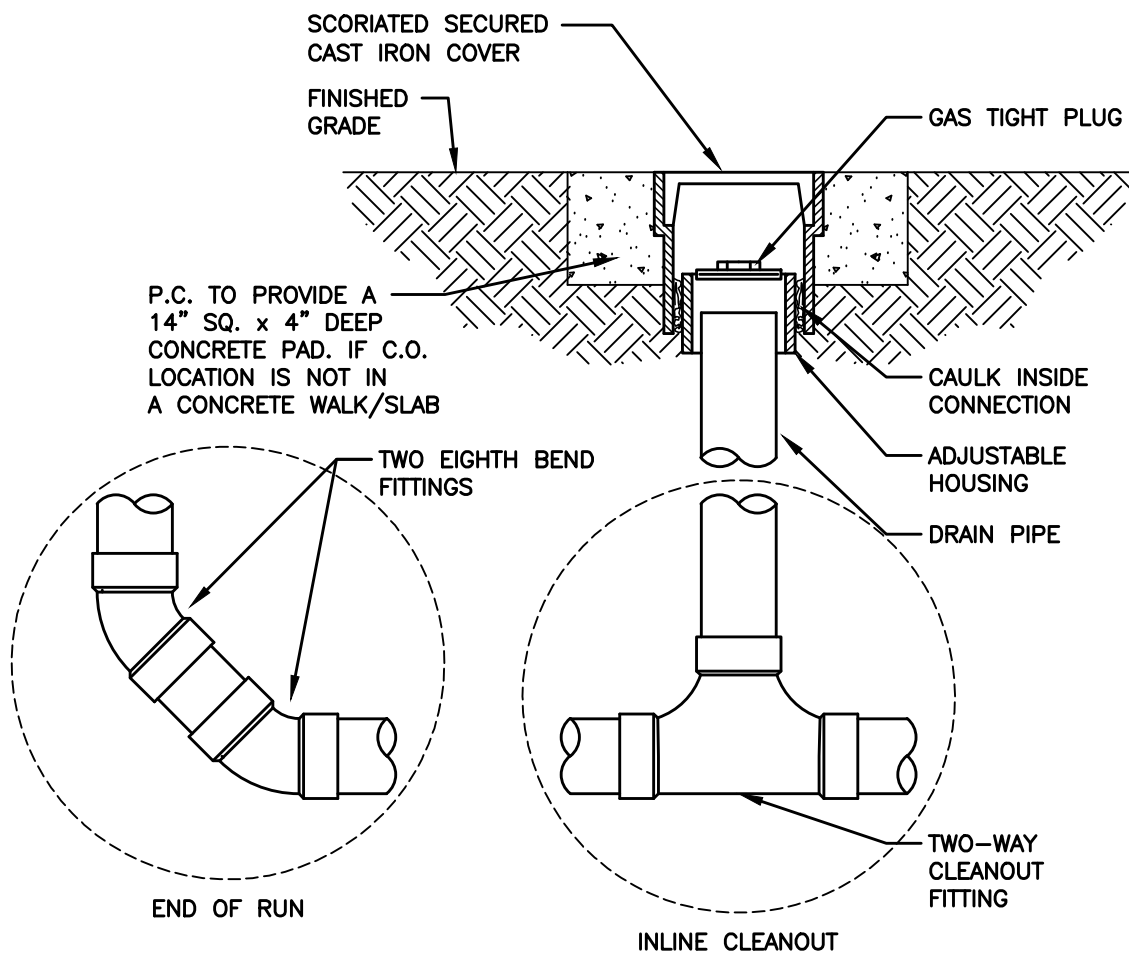
CALCULATIONS

ROOMS	AREA (FT ²)
101 - GARAGE	14,120
102 - GARAGE	

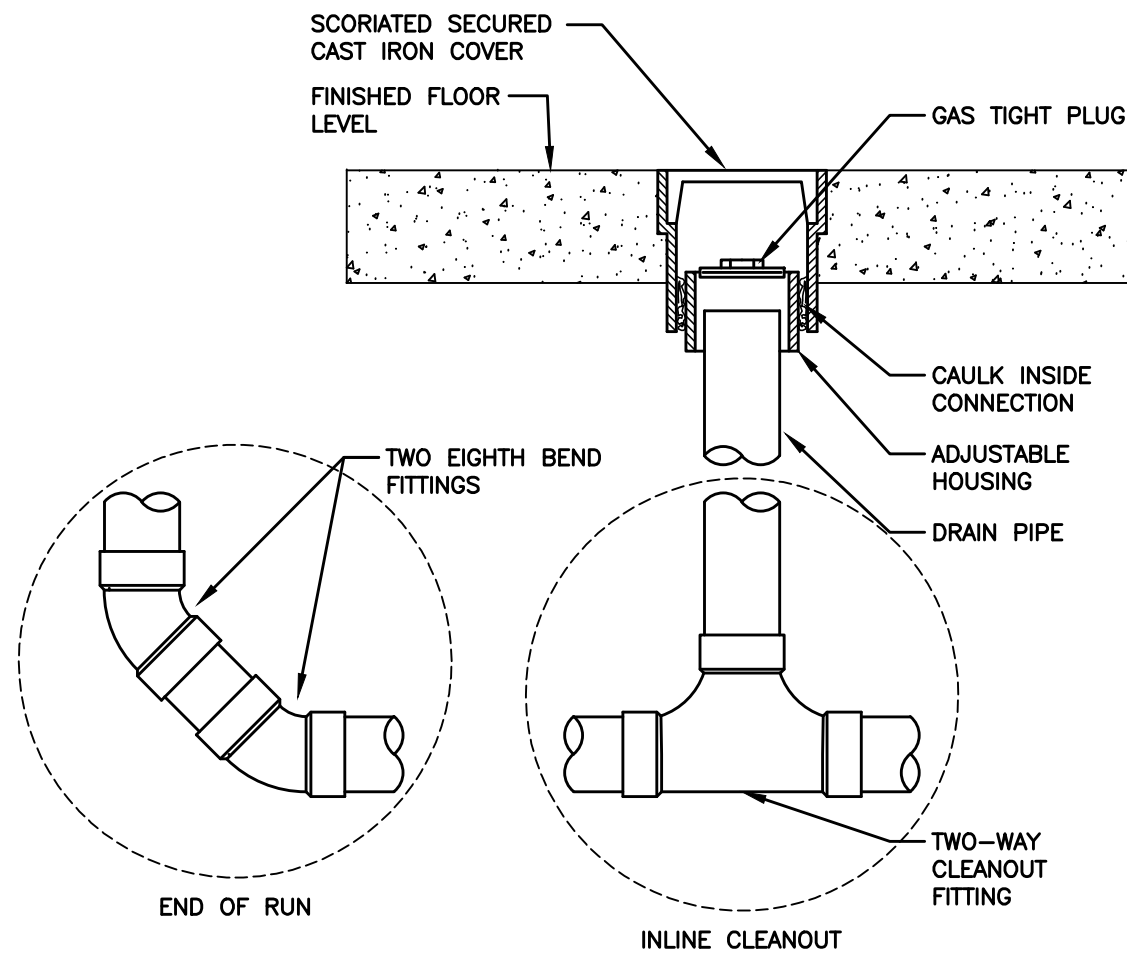
6 FT³ FOR FIRST 100 FT²
1 FT³ FOR EACH ADDITIONAL 100 FT²
6 FT³ + 14020 FT² (1 FT³ / 100 FT²) = 146.20 FT³ (MINIMUM)
146.20 FT³ * 7.5 GAL/FT³ = 1,096.50 GAL (MINIMUM)

1 OIL INTERCEPTOR DETAIL
P201 SCALE: NONE

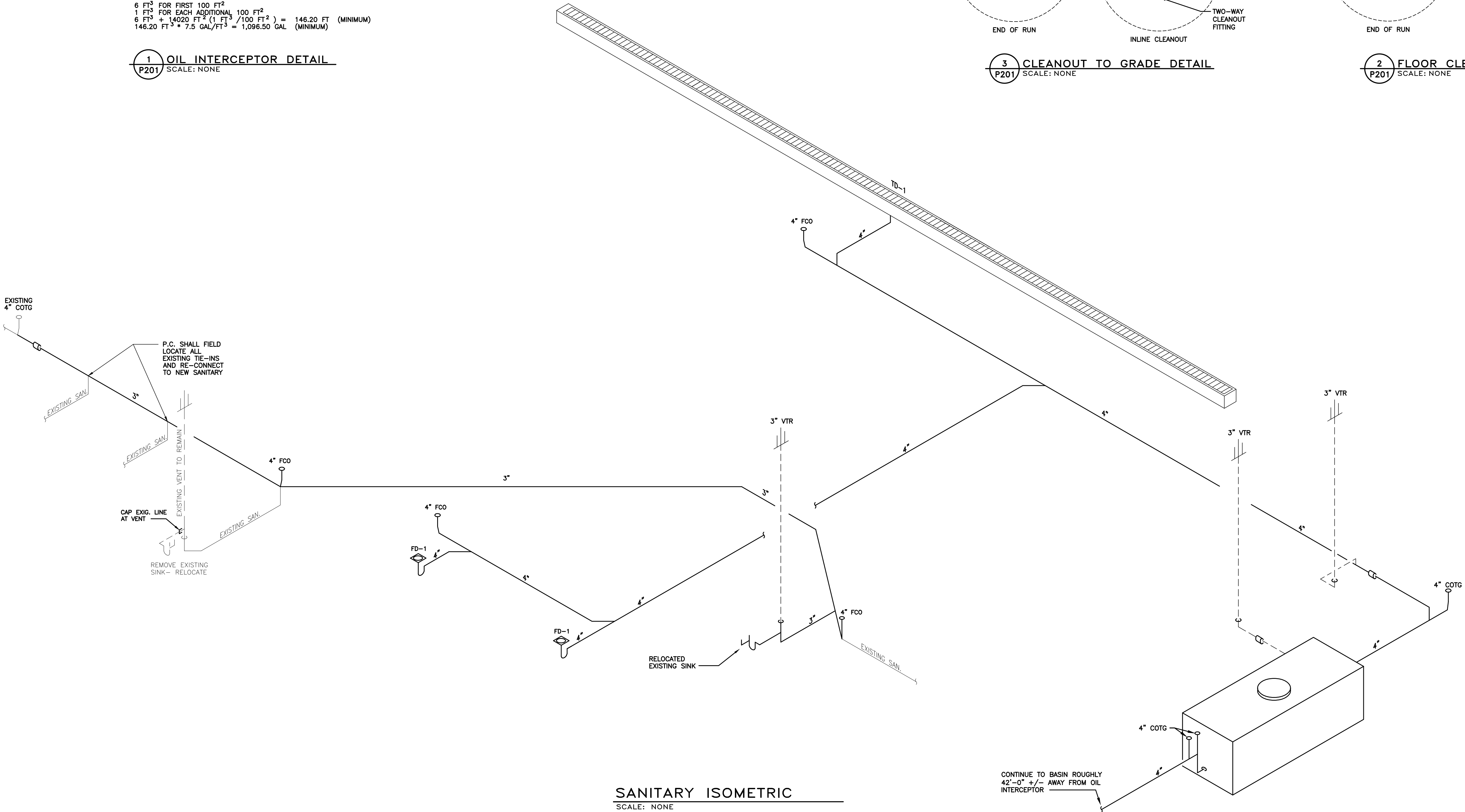
PLUMBING FIXTURE SCHEDULE					
TAG	DESCRIPTION	DCW	DHW	SAN	VENT
FD-1	FLOOR DRAIN -- HEAVY DUTY	----	----	4"	----
FCO	FLOOR CLEANOUT	----	----	4"	----
COTG	CLEANOUT TO GRADE	----	----	4"	----
TD-1	TRENCH DRAIN (CAST-IN-PLACE) PROVIDED AND INSTALLED BY G.C. PLUMBING BY P.C.	----	----	4"	----



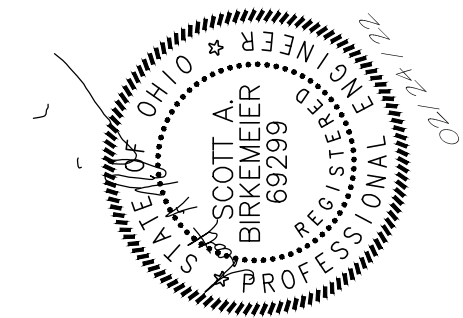
3 CLEANOUT TO GRADE DETAIL
P201 SCALE: NONE



2 FLOOR CLEANOUT DETAIL
P201 SCALE: NONE



SANITARY ISOMETRIC
SCALE: NONE



Technicon Design Group
ARCHITECTURE ENGINEERING DESIGN
1800 N PERRY STREET, SUITE 102, OTTAWA, OH 43075
P-419.523.5023
www.technicondesigngroup.com

BUILDING RENOVATIONS
HENRY COUNTY
HIGHWAY DEPT.
1343 BALES ROAD
NAPOLEON, OHIO 43545

THE CONTENTS OF THIS DRAWING SHALL NOT BE USED OR REPRODUCED BY INDIVIDUALS, CORPORATIONS, OR OTHER ENTITIES FOR ANY PURPOSE OTHER THAN THE INTENDED USE FOR THIS PROJECT. IF THIS DRAWING IS USED IN PART OR IN ENTIRETY, OR MORE COPIES THAN THE PROJECT INTENDED BY TECHNICON DESIGN GROUP, INC., THE RIGHT IS RESERVED TO MAKE A CHANGE FOR ADDITIONAL ARCHITECTURAL AND/OR ENGINEERING FEES. THEREFORE, REUSE OR REPRODUCTION OF THIS DOCUMENT WITHOUT PRIOR WRITTEN CONSENT OF TECHNICON DESIGN GROUP, INC. IS STRICTLY PROHIBITED.

© 2022 TECHNICON DESIGN GROUP, INC.

DO NOT SCALE FROM DRAWINGS. THE ARCHITECT/ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY QUANTITIES OF MATERIALS AND LOCATIONS OF BUILDING COMPONENTS SCALED FROM THESE DRAWINGS.

SANITARY ISOMETRIC, SCHEDULE AND DETAILS

ISSUED DATE	
12-22-21	OWNER REVIEW
02-07-22	OWNER REVIEW
02-14-22	OWNER/CONTR REVIEW
02-24-22	FOR BIDS/PERMITS

DRAWN BY:	JEM
CHECKED BY:	SAB
DATE:	11-21
PLOT SCALE:	1:1
JOB NO.	74-2724-21
SHEET	P201
OF	4 SHEETS

SCOPE OF WORK: WORK COVERED BY THESE SPECIFICATIONS AND DESIGN DRAWINGS SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT AND SERVICES NECESSARY FOR THE COMPLETION OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PLUMBING SYSTEMS, INCLUDING SANITARY, DOMESTIC HOT AND COLD WATER, STORM, AND NATURAL GAS. NOTE: REFERENCE TO CONTRACTOR (OR P.C.) ON ALL PLUMBING DRAWINGS AND WITHIN THIS SPECIFICATION COVERS WORK FOR PLUMBING CONTRACTORS AND THEIR SUBCONTRACTORS.

2. **PERMITS AND CODES:** THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR BUILDING PERMITS. PLUMBING CONTRACTOR IS RESPONSIBLE FOR PLUMBING PERMIT AND ALL COSTS ASSOCIATED WITH INSPECTIONS, TAXES AND INSURANCE. ALL WORK SHALL BE INSTALLED TO CONFORM WITH ALL FEDERAL, STATE AND LOCAL CODES AND ORDINANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEPARTMENT, EPA, NFPA, OMC 217, OPC 217, ASHRAE, ASTM, ASME, ANSI, UL, NEC, AMCA AND SMACNA.

3. **QUALITY REQUIREMENTS:** THE CONTRACTOR SHALL MONITOR QUALITY CONTROL OVER SUPPLIERS, MANUFACTURERS, PRODUCTS, SERVICES, SITE CONDITIONS, AND THE CONSTRUCTION PROCESS, TO PREVENT DEFECTS. THE CONTRACTOR SHALL COMPLY WITH MANUFACTURERS' INSTRUCTIONS, INCLUDING EACH STEP IN SEQUENCE, SHOULD MANUFACTURERS' INSTRUCTIONS CONFLICT WITH CONTRACT DOCUMENTS, REQUEST CLARIFICATION FROM ENGINEER BEFORE PROCEEDING. THE CONTRACTOR SHALL COMPLY WITH SPECIFIED STANDARDS AS MINIMUM QUALITY FOR THE WORK, EXCEPT WHERE MORE STRINGENT TOLERANCES, CODES, OR SPECIFIED REQUIREMENTS INDICATE HIGHER STANDARDS OR MORE PRECISE WORKMANSHIP. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE QUALITY OF THE WORK. THE CONTRACTOR SHALL VERIFY THAT FIELD MEASUREMENTS ARE AS INDICATED ON SHOP DRAWINGS OR AS INSTRUCTED BY THE MANUFACTURER. THE CONTRACTOR SHALL STORE PRODUCT, SUBS IN PLACE WITH POSITIVE ANCHORAGE DEVICES DESIGNED AND SIZED TO WITHSTAND STRESSES, VIBRATION, PHYSICAL DISTORTION, AND DISFIGUREMENT.

4. **CONTRACT DRAWINGS:** IN GENERAL, DRAWINGS ARE SCHEMATIC IN NATURE AND ARE INTENDED AS A GUIDE FOR THE CONTRACTOR, BUT DO NOT NECESSARILY SHOW ALL DETAILS, OFFSETS, ELEVATION CHANGES, ETC. THE CONTRACTOR'S WORK SHALL CONFORM TO THE INFORMATION AND SPECIFICATIONS OF THE DRAWINGS. THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER REGARDING ALL QUESTIONS PRIOR TO PROCEEDING WITH FABRICATION OF THE WORK IN QUESTION. THE CONTRACTOR SHALL PREPARE ALL ADDITIONAL DETAIL OR FIELD INSTALLATION DRAWINGS NECESSARY AT THEIR OWN EXPENSE. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS INDICATED ON THE ENGINEER'S LAYOUT DRAWINGS AND DETERMINE IF ANY DISCREPANCY EXISTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRODUCING AND INTERFERENCE. MAJOR CHANGES SHALL NOT BE MADE WITHOUT THE APPROVAL OF THE ENGINEER. THE CONTRACTOR HAS THE RIGHT TO VARY THE RUN OF PIPING AS MAY BE FOUND NECESSARY OR DESIRABLE TO AVOID INTERFERENCES. MAJOR REVISIONS SHALL BE VERIFIED WITH THE ENGINEER.

5. **VERIFICATION:** BEFORE RUNNING ANY PIPING, ETC., WITHIN THE BUILDING, THE CONTRACTOR SHALL ASSURE HIMSELF THAT THEY CAN BE INSTALLED AS COMTEMPLATED WITHOUT TRAPPING OR INTERFERING WITH COLUMNS, BEAMS, PIPING, FIXTURES, ETC. ANY NECESSARY MAJOR DEVIATION SHALL BE REFERRED TO THE ENGINEER FOR ADJUSTMENT BEFORE PROCEEDING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OPENINGS, SUPPORTING STEEL, FIELD-BUILT CURBS, ELECTRICAL DATA, SPACE REQUIREMENTS, ETC., BE DESIGNED AROUND SPECIFIC PARAMETERS. WHEN THE CONTRACTOR DETERMINES ELEVATIONS OF EQUIPMENT REQUIRED FOR THE JOB, IT SHALL BE THEIR RESPONSIBILITY TO VERIFY AND COORDINATE UNIT DIMENSIONS WITH THE GENERAL CONTRACTOR AND ALL OTHER INTERESTED CONTRACTORS ON THE JOB. IT SHALL ALSO BECOME THE CONTRACTOR'S RESPONSIBILITY TO CHANGE AS NECESSARY THROUGHOUT THE CONSTRUCTION OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS, SUPPORTING STEEL, CURBS, ELECTRICAL DATA, ETC., WILL FIT THE EQUIPMENT SUPPLIED. ANY ADDITIONAL WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IN ADDITION, WIRING POWER, INTERFERENCES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS, SUPPORTING STEEL, CURBS, ELECTRICAL DATA, ETC., WILL FIT THE EQUIPMENT SUPPLIED. ANY ADDITIONAL WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IN ADDITION, WIRING POWER, INTERFERENCES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS, SUPPORTING STEEL, CURBS, ELECTRICAL DATA, ETC., WILL FIT THE EQUIPMENT SUPPLIED. ANY ADDITIONAL WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IN ADDITION, WIRING POWER, INTERFERENCES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS, SUPPORTING STEEL, CURBS, ELECTRICAL DATA, ETC., WILL FIT THE EQUIPMENT SUPPLIED. ANY ADDITIONAL WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IN ADDITION, WIRING POWER, INTERFERENCES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS, SUPPORTING STEEL, CURBS, ELECTRICAL DATA, ETC., WILL FIT THE EQUIPMENT SUPPLIED. ANY ADDITIONAL WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IN ADDITION, WIRING POWER, INTERFERENCES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS, SUPPORTING STEEL, CURBS, ELECTRICAL DATA, ETC., WILL FIT THE EQUIPMENT SUPPLIED. ANY ADDITIONAL WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IN ADDITION, WIRING POWER, INTERFERENCES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS, SUPPORTING STEEL, CURBS, ELECTRICAL DATA, ETC., WILL FIT THE EQUIPMENT SUPPLIED. ANY ADDITIONAL WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IN ADDITION, WIRING POWER, INTERFERENCES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS, SUPPORTING STEEL, CURBS, ELECTRICAL DATA, ETC., WILL FIT THE EQUIPMENT SUPPLIED. ANY ADDITIONAL WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IN ADDITION, WIRING POWER, INTERFERENCES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS, SUPPORTING STEEL, CURBS, ELECTRICAL DATA, ETC., WILL FIT THE EQUIPMENT SUPPLIED. ANY ADDITIONAL WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IN ADDITION, WIRING POWER, INTERFERENCES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS, SUPPORTING STEEL, CURBS, ELECTRICAL DATA, ETC., WILL FIT THE EQUIPMENT SUPPLIED. ANY ADDITIONAL WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IN ADDITION, WIRING POWER, INTERFERENCES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS, SUPPORTING STEEL, CURBS, ELECTRICAL DATA, ETC., WILL FIT THE EQUIPMENT SUPPLIED. ANY ADDITIONAL WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IN ADDITION, WIRING POWER, INTERFERENCES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS, SUPPORTING STEEL, CURBS, ELECTRICAL DATA, ETC., WILL FIT THE EQUIPMENT SUPPLIED. ANY ADDITIONAL WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IN ADDITION, WIRING POWER, INTERFERENCES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS, SUPPORTING STEEL, CURBS, ELECTRICAL DATA, ETC., WILL FIT THE EQUIPMENT SUPPLIED. ANY ADDITIONAL WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IN ADDITION, WIRING POWER, INTERFERENCES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS, SUPPORTING STEEL, CURBS, ELECTRICAL DATA, ETC., WILL FIT THE EQUIPMENT SUPPLIED. ANY ADDITIONAL WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IN ADDITION, WIRING POWER, INTERFERENCES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS, SUPPORTING STEEL, CURBS, ELECTRICAL DATA, ETC., WILL FIT THE EQUIPMENT SUPPLIED. ANY ADDITIONAL WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IN ADDITION, WIRING POWER, INTERFERENCES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS, SUPPORTING STEEL, CURBS, ELECTRICAL DATA, ETC., WILL FIT THE EQUIPMENT SUPPLIED. ANY ADDITIONAL WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IN ADDITION, WIRING POWER, INTERFERENCES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS, SUPPORTING STEEL, CURBS, ELECTRICAL DATA, ETC., WILL FIT THE EQUIPMENT SUPPLIED. ANY ADDITIONAL WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IN ADDITION, WIRING POWER, INTERFERENCES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS, SUPPORTING STEEL, CURBS, ELECTRICAL DATA, ETC., WILL FIT THE EQUIPMENT SUPPLIED. ANY ADDITIONAL WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IN ADDITION, WIRING POWER, INTERFERENCES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS, SUPPORTING STEEL, CURBS, ELECTRICAL DATA, ETC., WILL FIT THE EQUIPMENT SUPPLIED. ANY ADDITIONAL WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IN ADDITION, WIRING POWER, INTERFERENCES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS, SUPPORTING STEEL, CURBS, ELECTRICAL DATA, ETC., WILL FIT THE EQUIPMENT SUPPLIED. ANY ADDITIONAL WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IN ADDITION, WIRING POWER, INTERFERENCES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS, SUPPORTING STEEL, CURBS, ELECTRICAL DATA, ETC., WILL FIT THE EQUIPMENT SUPPLIED. ANY ADDITIONAL WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IN ADDITION, WIRING POWER, INTERFERENCES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS, SUPPORTING STEEL, CURBS, ELECTRICAL DATA, ETC., WILL FIT THE EQUIPMENT SUPPLIED. ANY ADDITIONAL WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IN ADDITION, WIRING POWER, INTERFERENCES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS, SUPPORTING STEEL, CURBS, ELECTRICAL DATA, ETC., WILL FIT THE EQUIPMENT SUPPLIED. ANY ADDITIONAL WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IN ADDITION, WIRING POWER, INTERFERENCES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS, SUPPORTING STEEL, CURBS, ELECTRICAL DATA, ETC., WILL FIT THE EQUIPMENT SUPPLIED. ANY ADDITIONAL WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IN ADDITION, WIRING POWER, INTERFERENCES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS, SUPPORTING STEEL, CURBS, ELECTRICAL DATA, ETC., WILL FIT THE EQUIPMENT SUPPLIED. ANY ADDITIONAL WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IN ADDITION, WIRING POWER, INTERFERENCES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS, SUPPORTING STEEL, CURBS, ELECTRICAL DATA, ETC., WILL FIT THE EQUIPMENT SUPPLIED. ANY ADDITIONAL WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IN ADDITION, WIRING POWER, INTERFERENCES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS, SUPPORTING STEEL, CURBS, ELECTRICAL DATA, ETC., WILL FIT THE EQUIPMENT SUPPLIED. ANY ADDITIONAL WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IN ADDITION, WIRING POWER, INTERFERENCES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS, SUPPORTING STEEL, CURBS, ELECTRICAL DATA, ETC., WILL FIT THE EQUIPMENT SUPPLIED. ANY ADDITIONAL WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IN ADDITION, WIRING POWER, INTERFERENCES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS, SUPPORTING STEEL, CURBS, ELECTRICAL DATA, ETC., WILL FIT THE EQUIPMENT SUPPLIED. ANY ADDITIONAL WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IN ADDITION, WIRING POWER, INTERFERENCES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS, SUPPORTING STEEL, CURBS, ELECTRICAL DATA, ETC., WILL FIT THE EQUIPMENT SUPPLIED. ANY ADDITIONAL WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IN ADDITION, WIRING POWER, INTERFERENCES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS, SUPPORTING STEEL, CURBS, ELECTRICAL DATA, ETC., WILL FIT THE EQUIPMENT SUPPLIED. ANY ADDITIONAL WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IN ADDITION, WIRING POWER, INTERFERENCES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS, SUPPORTING STEEL, CURBS, ELECTRICAL DATA, ETC., WILL FIT THE EQUIPMENT SUPPLIED. ANY ADDITIONAL WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IN ADDITION, WIRING POWER, INTERFERENCES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS, SUPPORTING STEEL, CURBS, ELECTRICAL DATA, ETC., WILL FIT THE EQUIPMENT SUPPLIED. ANY ADDITIONAL WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IN ADDITION, WIRING POWER, INTERFERENCES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS, SUPPORTING STEEL, CURBS, ELECTRICAL DATA, ETC., WILL FIT THE EQUIPMENT SUPPLIED. ANY ADDITIONAL WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IN ADDITION, WIRING POWER, INTERFERENCES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS, SUPPORTING STEEL, CURBS, ELECTRICAL DATA, ETC., WILL FIT THE EQUIPMENT SUPPLIED. ANY ADDITIONAL WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IN ADDITION, WIRING POWER, INTERFERENCES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS, SUPPORTING STEEL, CURBS, ELECTRICAL DATA, ETC., WILL FIT THE EQUIPMENT SUPPLIED. ANY ADDITIONAL WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IN ADDITION, WIRING POWER, INTERFERENCES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS, SUPPORTING STEEL, CURBS, ELECTRICAL DATA, ETC., WILL FIT THE EQUIPMENT SUPPLIED. ANY ADDITIONAL WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IN ADDITION, WIRING POWER, INTERFERENCES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS, SUPPORTING STEEL, CURBS, ELECTRICAL DATA, ETC., WILL FIT THE EQUIPMENT SUPPLIED. ANY ADDITIONAL WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IN ADDITION, WIRING POWER, INTERFERENCES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS, SUPPORTING STEEL, CURBS, ELECTRICAL DATA, ETC., WILL FIT THE EQUIPMENT SUPPLIED. ANY ADDITIONAL WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IN ADDITION, WIRING POWER, INTERFERENCES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS, SUPPORTING STEEL, CURBS, ELECTRICAL DATA, ETC., WILL FIT THE EQUIPMENT SUPPLIED. ANY ADDITIONAL WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IN ADDITION, WIRING POWER, INTERFERENCES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS, SUPPORTING STE

- ADA COMPLIANCE:** ALL FIXTURES, EQUIPMENT, CONTROLS AND DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF AMERICANS WITH DISABILITIES ACT (ADA) AND ANSI A117.1. STATE BUILDING CODE AND LOCAL CODES MAY APPLY.
13. **MATERIALS GENERAL:** THE MANUFACTURERS REFERENCED THROUGHOUT THESE OUTLINE SPECIFICATIONS ARE INCLUDED AS A BASIS OF DESIGN. SUBMISSION OF ALTERNATE MANUFACTURERS OF SIMILAR EQUIPMENT IS SUBJECT TO ENGINEERS APPROVAL. UNITS OF EQUIPMENT, OTHER THAN THOSE LISTED AS THE BASIS OF DESIGN, MUST BE PROVEN TO BE PHYSICALLY ACCEPTABLE, IN ADDITION TO MEETING ALL PERFORMANCE AND EQUIPMENT SPECIFICATIONS. LIABILITY OF NON-CONFORMANCE SHALL LIE ON CONTRACTOR/SUBMITTER.
14. **REFERENCED STANDARDS & QUALITY ASSURANCE:** ASME B31.9 "BUILDING SERVICES PIPING" FOR MATERIALS, PRODUCTS, AND INSTALLATION. SAFETY VESSELS SHALL BEAR THE APPROPRIATE ASME LABEL.
- a. **2017 OPC-OHIO PLUMBING CODE**
- b. **NATIONAL RECOGNITION TESTING LABORATORY AND NEMA COMPLIANCE (NRTL):** HANGERS, SUPPORTS AND COMPONENTS SHALL BE LISTED AND LABELED BY A NRTL WHERE USED FOR FIRE PROTECTION PIPING OSHA REGULATION 1910.7.
- c. **NFPA-NATIONAL FIRE PROTECTION ASSOCIATION**
- d. **QUALITY ASSURANCE:** TESTING AND INSPECTION PROCEDURES ARE REQUIRED TO BE IMPLEMENTED ON THIS PROJECT AND SHALL COMPLY WITH ALL APPLICABLE PORTIONS OF ANSI B31.1, "CODE FOR PRESSURE PIPING" LATEST EDITION.
15. **PIPING GENERAL:** ALL PIPING SHALL BE INSTALLED PARALLEL WITH OR AT RIGHT ANGLES TO THE BUILDING WALLS AND WITH A PITCH OF ACCEPTED PIPING STANDARDS. ALL PIPING SHALL BE INSTALLED WITHOUT FORCING AND SHALL CLEAR ALL DOORS, DUCTWORK, AND OTHER BUILDING OBSTRUCTIONS.
16. **UNDERGROUND SANITARY WASTE PIPING:** UNDERGROUND SANITARY WASTE AND STORM PIPING SHALL BE SLOPED AS INDICATED IN 2017 OHIO PLUMBING CODE. PIPING SHALL BE AS FOLLOWS:
- a. **ASPHALT-COATED SERVICE WEIGHT CAST IRON, NO-HUB PATTERN WITH HEAVY DUTY COUPLINGS UTILIZING 4 STAINLESS STEEL CLAMPS.** COUPLINGS SHALL BE EQUAL TO HUSKY MODEL HD-2000.
- b. **PLASTIC PVC, SCHEDULE 40 ASTM D2685-82, DWV WITH SOLVENT WELDED SOCKET JOINTS.** INSTALLATION SHALL FOLLOW GUIDELINES IN ASTM D 2564-80 AND ASTM D 2665-82.
17. **ABOVE GROUND SANITARY WASTE & VENT PIPING INSIDE BUILDING:** ABOVE GROUND SANITARY WASTE AND VENT AND STORM PIPING SHALL BE SLOPED AS INDICATED IN 2017 OHIO PLUMBING CODE. PIPING SHALL BE AS FOLLOWS:
- a. **ASPHALT-COATED SERVICE WEIGHT CAST IRON, NO-HUB PATTERN WITH HEAVY DUTY COUPLINGS UTILIZING 4 STAINLESS STEEL CLAMPS.** COUPLINGS SHALL BE EQUAL TO HUSKY MODEL HD-2000.
- b. **PLASTIC PVC, SCHEDULE 40 ASTM D2685-82, DWV WITH SOLVENT WELDED SOCKET JOINTS.** INSTALLATION SHALL FOLLOW GUIDELINES IN ASTM D 2564-80 AND ASTM D 2665-82. (NOT PERMITTED IN RETURN AIR PLENUMS).
18. **TRAPS:** ALL FIXTURES REQUIRING TRAPS SHALL BE FURNISHED WITH HEAVY DUTY CHROME PLATED CAST BRASS TRAPS WITH CLEANOUT, TAIL PIECES AND TUBING DRAINS. AT HANG-UPPED LAVATORIES, PROVIDE OFFSET STRAINER/TALPIECES AND EXTENSION AND INSTALL TRAP CLOSE AS POSSIBLE TO WALL. ROUGH-IN SANITARY OFF CENTER SO TRAP CAN BE INSTALLED PARALLEL TO WALL IF NECESSARY.
19. **PLUMBING FIXTURES** SHALL BE AS FOLLOWS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION & MOUNTING HEIGHTS OF FIXTURES, ETC. WITH PLUMBING & ARCHITECTURAL DRAWINGS. ALL FIXTURES AND FACTORY SUPPLIED ACCESSORIES SHALL BE PROVIDED BY CONTRACTOR. CONTRACTOR SHALL PROVIDE ALL TRAPS, SUPPLY STOPS, RISERS, STRAINERS, ETC.
- A. **ACCEPTABLE MANUFACTURERS:**
1. MISCELLANEOUS TRIM (TRAPS, SUPPLIES, STRAINERS) – DEARBORN BARN, T&S BRASS, MCGUIRE, CHICAGO FAUCET, KOHLER, AMERICAN STANDARD, BRASS CRAFT, ROYAL BRASS
2. **PLUMBING SPECIALTIES (DRAINS, CLEANOUTS, ETC.)** – ZURN, JOSAM, SMITH, ANCON
3. **FOO**
- FLOOR CLEANOUTS SHALL BE EQUAL TO ZURN MODEL #ZN-1400-K "LEVEL-TROL" COMPLETE WITH DURA-COATED CAST IRON BODY, GAS AND WATER TIGHT ABS TAPERED-THREAD PLUG, AND ROUND SCORATED CAST IRON SECURED TOP. CLEANOUT BODY SHALL BE PROVIDED WITH ANCHOR FLANGE. SEE FLOOR CLEANOUT DETAIL "2" ON SHEET P201.
- C. **COTG**
- CLEAN OUT TO GRADE SHALL BE EQUAL TO ZURN MODEL Z-1400-K-VP "LEVEL-TROL" WITH DURA-COATED CAST IRON BODY, GAS AND WATER TIGHT ABS TAPERED-THREAD PLUG, AND ROUND SCORATED CAST IRON SECURED TOP. CLEANOUT BODY SHALL BE PROVIDED WITH ANCHOR FLANGE AND VANDAL RESISTANT SCREWS. SEE CLEANOUT TO GRADE DETAIL "3" ON SHEET P201.
- D. **TO-1**
- TRENCH DRAIN SHALL BE PROVIDED AND INSTALLED BY G.C. PLUMBING TO TRENCH DRAIN SHALL BE BY P.C. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR DRAIN SPECIFICATIONS.
- E. **FO-1**
- FLOOR DRAIN SHALL BE EQUAL TO ZURN MODEL ZN-513. SQUARE TOP DRAIN, DURA-COATED CAST IRON DEEP SUMP BODY WITH BOTTOM OUTLET, SEEPAGE PAN AND COMBINATION PLASTIC CLAMP AND FRAME FOR RINGED HEAVY-DUTY SLOTTED GRATE, WITH SUSPENDED SEDIMENT BUCKET.



BUILDING RENOVATIONS
HENRY COUNTY
HIGHWAY DEPT.
1343 BALES ROAD
NAPOLEON, OHIO 43545

THE CONTENTS OF THIS DRAWING SHALL NOT BE USED OR REPRODUCED BY INDIVIDUALS, CORPORATIONS, OR OTHER ENTITIES FOR ANY PURPOSE OTHER THAN THE INTENDED USE FOR THIS PROJECT. IF THIS DRAWING IS USED IN PART OR ITS ENTIRETY, ON WORK OTHER THAN THE PROJECT INTENDED BY TECHCON DESIGN GROUP, INC., THE RIGHT IS RESERVED TO MAKE A CHARGE FOR ADDITIONAL ARCHITECTURAL AND/OR ENGINEERING FEES. THEREFORE, REUSE OR REPRODUCTION OF THIS DOCUMENT WITHOUT PRIOR WRITTEN CONSENT OF TECHCON DESIGN GROUP, INC. IS STRICTLY PROHIBITED.

© 2022 TECHNICON DESIGN GROUP, INC.

DO NOT SCALE FROM DRAWINGS. THE ARCHITECT/ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY QUANTITIES OF MATERIALS AND LOCATIONS OF BUILDING COMPONENTS SCALED FROM THESE DRAWINGS.

PLUMBING SPECIFICATIONS

ISSUED DATE
12-22-21 OWNER REVIEW
02-07-22 OWNER REVIEW
02-14-22 OWNER/CONTR REVIEW
02-24-22 FOR BIDS/PERMITS

DRAWN BY: JEM

CHECKED BY: SAE

DATE: 11-2

PLOT SCALE: 1:

JOB NO. 74-2724-21

SHEET
D001

OF 4 SHEETS
