

ADDENDUM
NO. 01

October 22, 2025

ZHS Locker Room Addition – Bid Category 09 Rebid
1000 Mulberry St., Zionsville, IN 46077

TO: ALL BIDDERS OF RECORD

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications, and the Drawings dated January 21, 2025, by Fanning Howey Associates. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Page ADD 1-1 and forty-two (42) drawing sheets.

A. 01 12 00 – MULTIPLE CONTRACT SUMMARY

1. Incorporate the following revisions to the Multiple Contract Summary as noted below as part of Addendum 01.

A. BID CATEGORY NO. 09 – PAINTING

Add the following Clarifications:

15. Of the forty-two (42) drawing sheets issued as part of ZHS Locker Room Addition – Bid Category 09 Rebid Addendum 01 dated October 22, 2025, this Contractor shall pay close attention to the MEP Discipline sheets to quantify the amount of exposed MEP Work to be painted by this Contractor.



20 0 20 40 60

ZIONSVILLE COMMUNITY HIGH SCHOOL ATHLETIC LOCKER ROOMS ADDITION AND RENOVATION

1000 MULBERRY STREET
ZIONSVILLE, INDIANA 46077ZIONSVILLE COMMUNITY
SCHOOLSZIONSVILLE
COMMUNITY SCHOOLS

ARCHITECT

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WWW.FHAI.COM

CIVIL ENGINEER

3901 W 86th Street, Suite 200
Indianapolis, IN 46268
Phone: (317) 334-1500
www.tlf-engineers.com

GENERAL NOTES

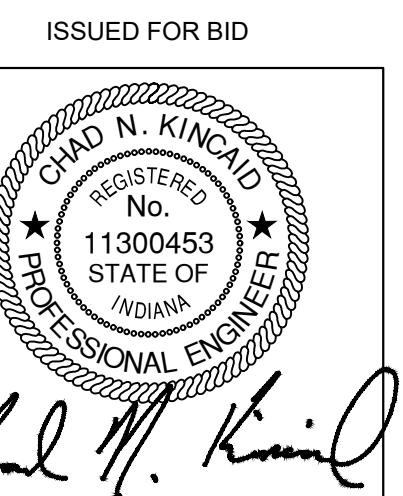
- SEE DRAWING G0-01 FOR GENERAL NOTES AND ADDITIONAL LEGEND.
- TOPOGRAPHIC CONDITIONS AND EXISTING UTILITIES SHOWN WERE PROVIDED BY THE SURVEYOR. THE ENGINEER MAKES NO ASSUMPTIONS CONCERNING UNDERGROUND UTILITIES SHOWN TO COMprise ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED.
- CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE PROJECT AREA INCLUDING UNDERGROUND UTILITY CONDITIONS, LOCATION AND DEPTH PRIOR TO ANY OTHER SITE CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER.

◊ UTILITY KEYNOTES

- NEW SANITARY CLEANOUT. SEE DETAIL GJSU2-0
- 6" PVC SANITARY LATERAL @ 1.04% SLOPE MIN. SEE DETAIL EJSU2-0
- 8" PVC SANITARY LATERAL @ 1.04% SLOPE MIN. SEE DETAIL EJSU2-0
- SANITARY CONNECTION TO EXISTING MANHOLE
- 6" PVC STORM ROOF DRAIN @ 1.04% SLOPE MIN. SEE DETAIL CSU2-0
- NEW STORM CLEANOUT. SEE DETAIL DJSU2-0
- NEW FIRE HYDRANT. SEE DETAIL HISU2-0
- POST INDICATOR VALVE - COORDINATE w/ZIONSVILLE FIRE DEPT.
- FIRE DEPARTMENT CONNECTION - COORDINATE w/ZIONSVILLE FIRE DEPT.
- WATER VALVE
- NEW 6" C900 PVC WATER LINE. SEE DETAIL JJSU2-0
- NEW 8" C900 PVC WATER LINE. SEE DETAIL JJSU2-0
- CONNECT TO EXISTING DOMESTIC WATER SERVICE (FIELD VERIFY LOCATION & SIZE).
- CONNECT TO EXISTING FIRE PROTECTION LINE (FIELD VERIFY LOCATION AND SIZE).
- NEW ELECTRICAL LINE. SEE ELECTRICAL SITE PLANS
- NEW TELEPHONE/COMMUNICATIONS LINE. SEE ELECTRICAL SITE PLANS.
- CONDUITS AND PULL BOX FOR FUTURE EV CHARGING STATIONS. SEE ELECTRICAL SITE PLANS

UTILITY LEGEND

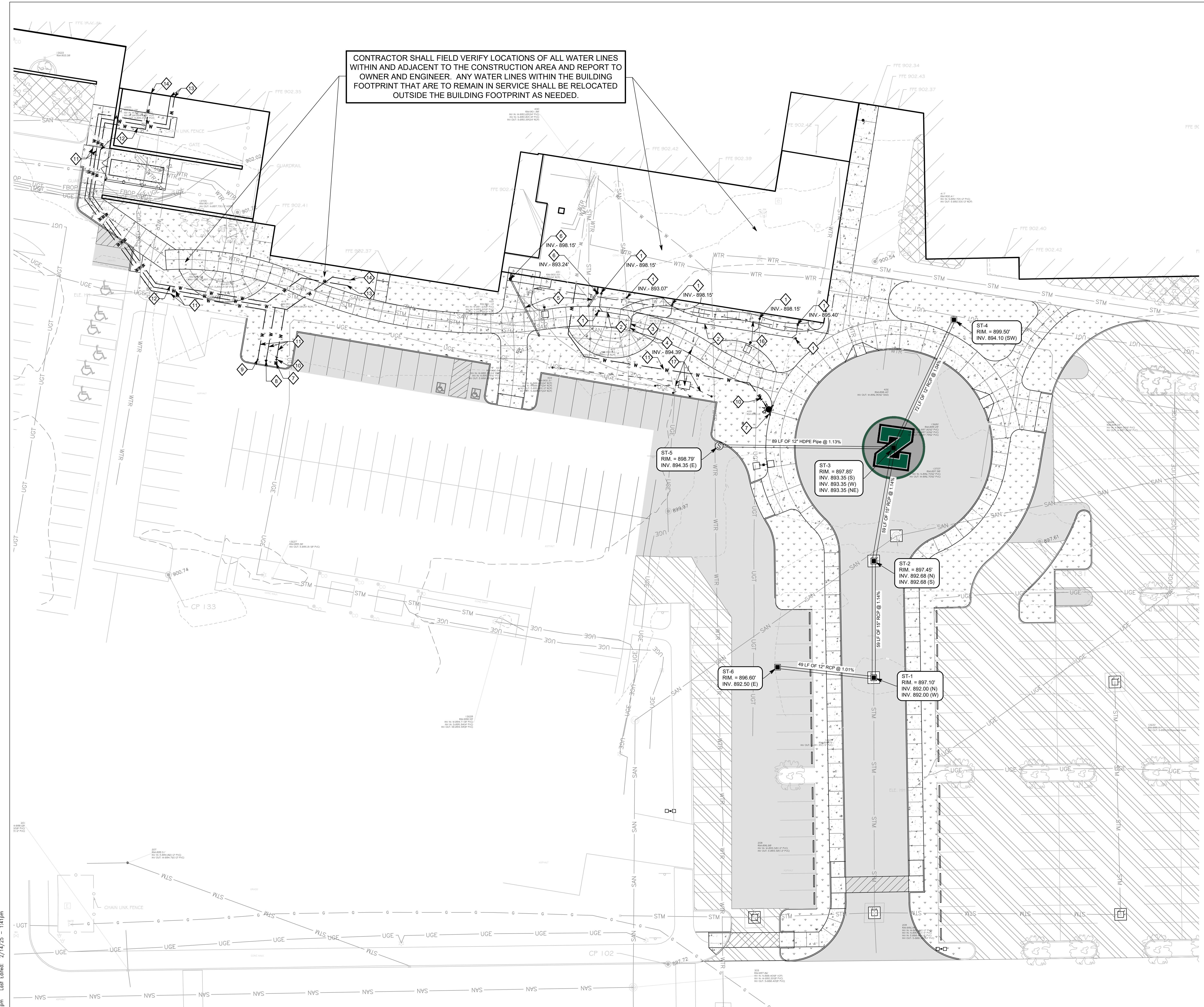
CHW	PROPOSED CHILLED WATER LINE
E	PROPOSED ELECTRICAL LINE
G	PROPOSED GAS LINE
SAN	PROPOSED SANITARY SEWER LINE
STM	PROPOSED STEAM LINE
ST	PROPOSED STORM SEWER LINE
RD	PROPOSED ROOF DRAIN LINE
T	PROPOSED TELEPHONE LINE
W	PROPOSED WATER LINE
●	PROPOSED FIRE HYDRANT
○	PROPOSED POST INDICATOR VALVE
□	PROPOSED FIRE DEPARTMENT CONNECTION
■	PROPOSED STORM INLET
●	PROPOSED STORM MANHOLE
●	PROPOSED LIGHT POLE


 PROJECT MANAGER: DBS
 DRAWN BY: CDL
 PROJECT NUMBER: 224018.00 (TLF JOB #2024-090)
 PROJECT ISSUE DATE: 01.21.2025

REV.	NO.	DESCRIPTION	DATE
2		ADDENDUM #2	02-18-2025

UTILITY PLAN

SU1-0



CAUTION !!

THE LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ARE BASED UPON THE EXISTING GROUND SURFACE, INCLUDING, BUT NOT LIMITED TO, MANHOLES, INLETS, VALVES, AND MARKS MADE UPON THE GROUND BY OTHERS AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR WHICH THE ABOVE GROUND EVIDENCE HAS BEEN REMOVED. THE EXACT LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHALL BE VERIFIED BY CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.



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HOWEY

(800) 452-3573 WWW.FHAI.COM

350 E NEW YORK ST, SUITE 300, INDIANAPOLIS, IN 46204

CONSULTANT



TLF, INC.
3501 West 86th Street, Suite 200
Indianapolis, Indiana 46256
Phone: 317-334-1500
Fax: 317-334-1552
TLF Job No: 2024-090

KEY PLAN

ISSUED FOR BID

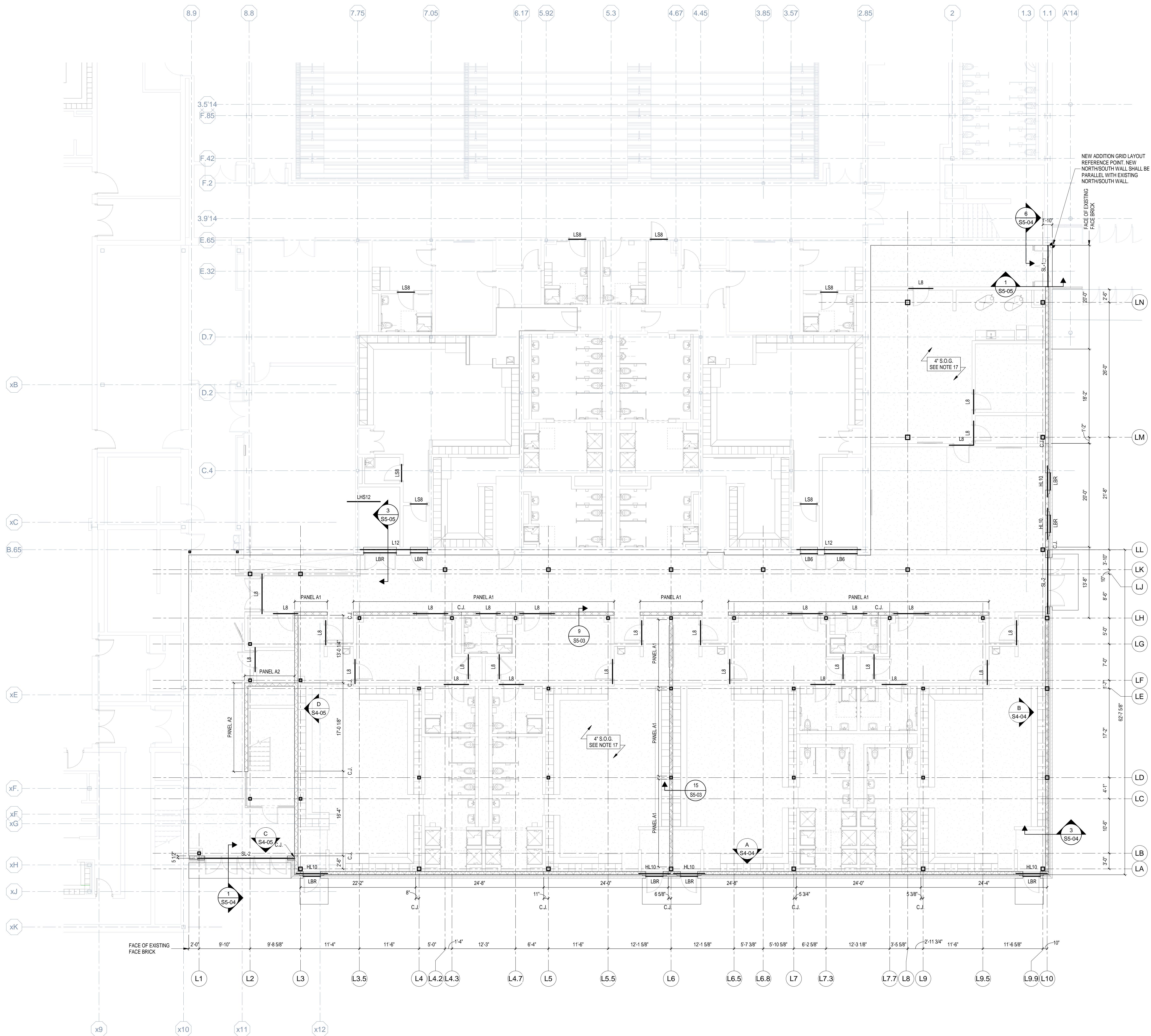


PROJECT MANAGER: JM
DRAWN BY: TLF
PROJECT NUMBER: 224018.00
PROJECT ISSUE DATE: 01/21/2025

REV. NO. □ DESCRIPTION DATE

SLAB AND MASONRY PLAN

S1-02



**ZIONSVILLE
COMMUNITY HIGH
SCHOOL ATHLETIC
LOCKERS
ADDITION AND
RENOVATION**

1000 MULBERRY STREET,
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KEY PLAN

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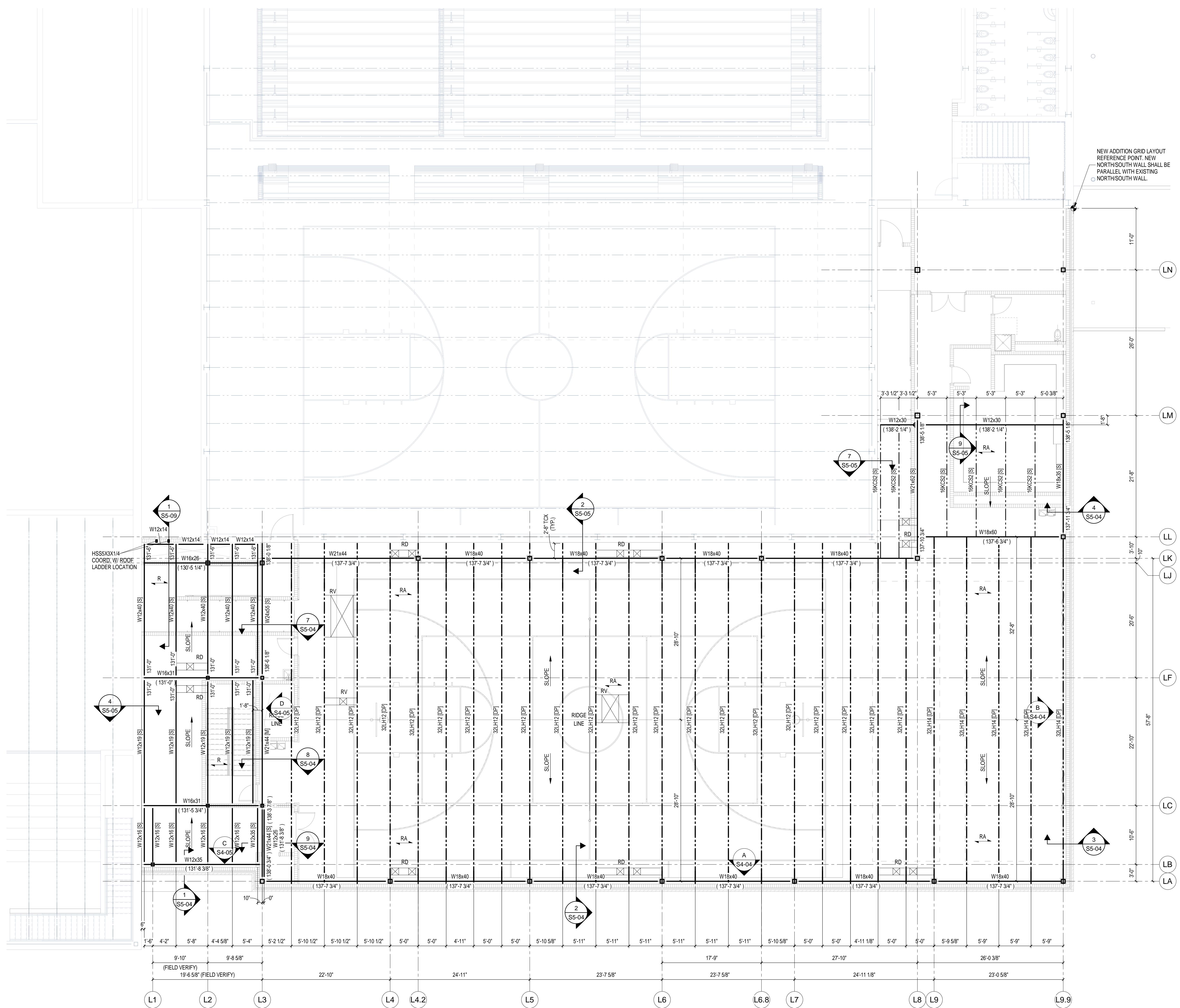


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PROJECT ISSUE DATE: 01/21/2025

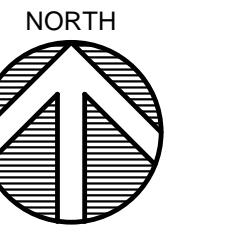
REV. NO. □ DESCRIPTION DATE

ROOF FRAMING PLAN

S2-02



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



**ZIONSVILLE
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**ZIONSVILLE COMMUNITY
SCHOOLS**



ARCHITECT

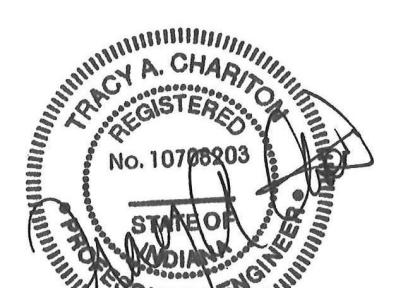
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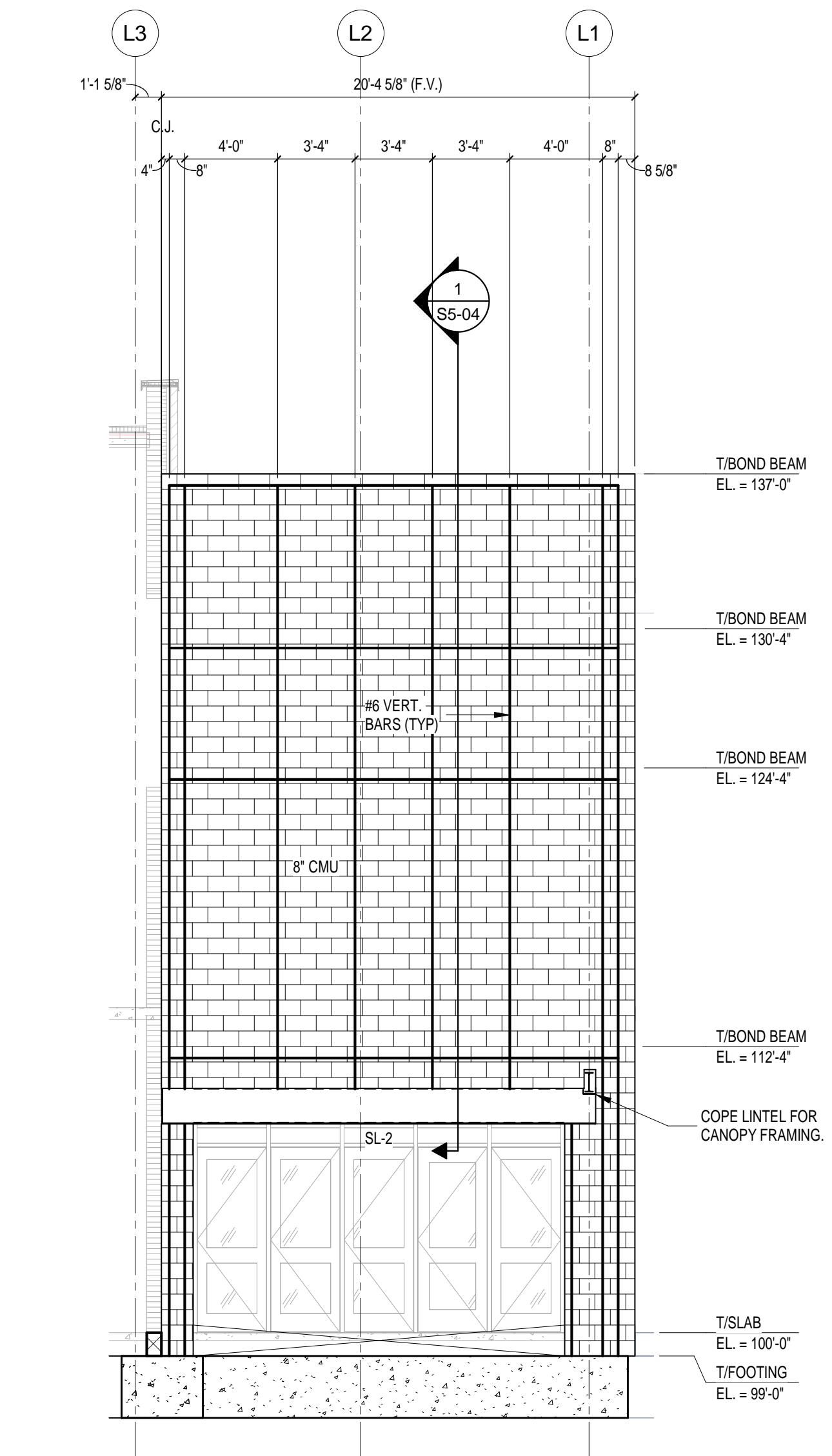
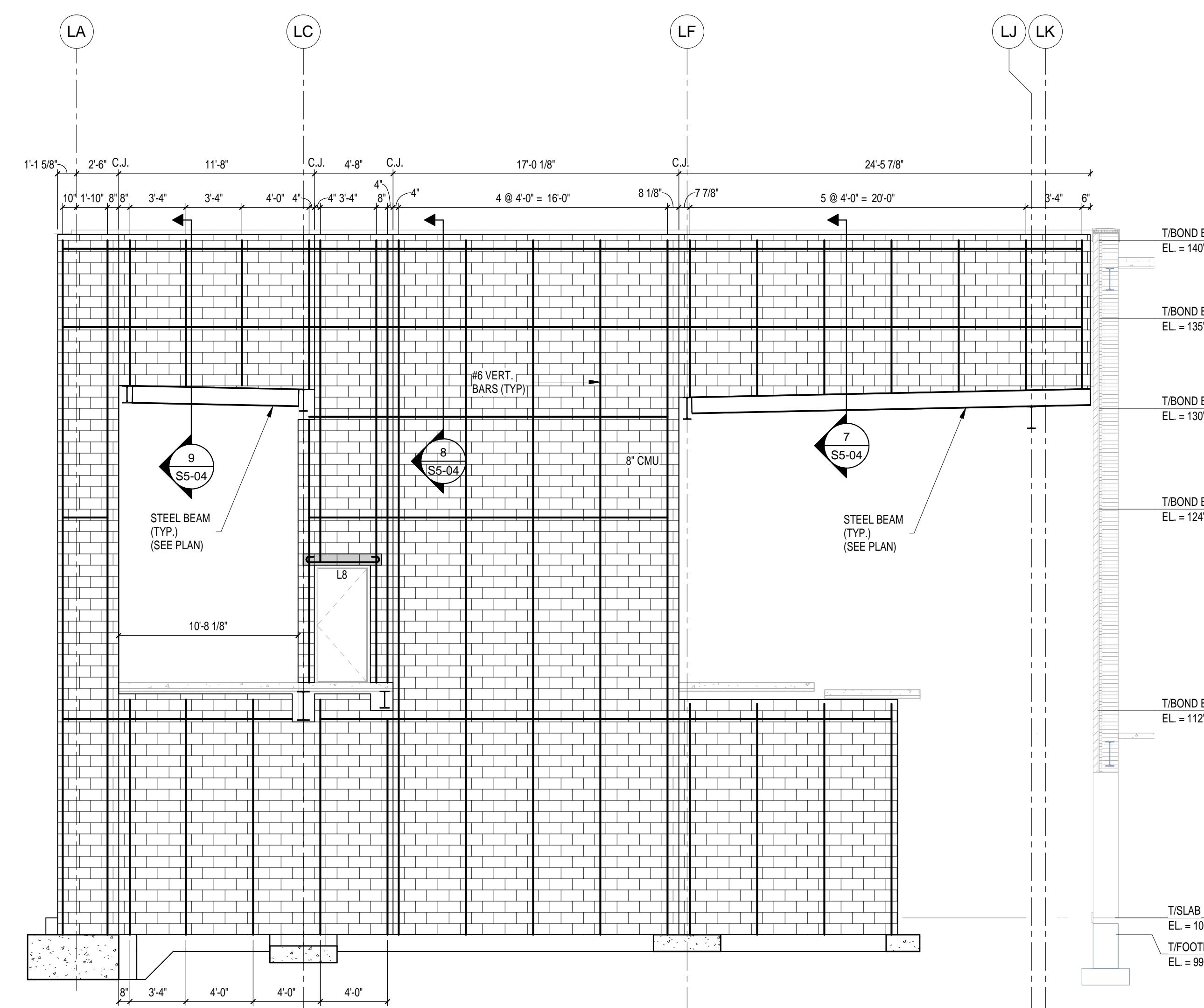


PROJECT MANAGER: JM
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PROJECT NUMBER: 224018.00
PROJECT ISSUE DATE: 01/21/2025

REV.
NO. □ DESCRIPTION DATE

MASONRY WALL ELEVATIONS

S4-05



ZIONSVILLE COMMUNITY HIGH SCHOOL ATHLETIC LOCKER ROOMS ADDITION AND RENOVATION

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SCHOOLSZIONSVILLE
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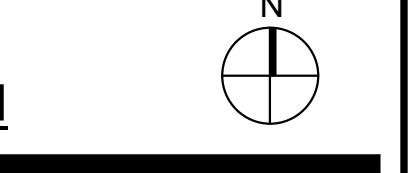
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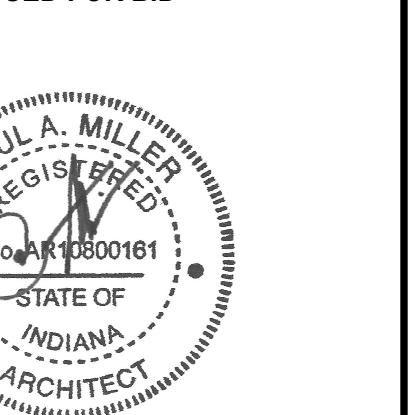
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KEY PLAN

N



ISSUED FOR BID

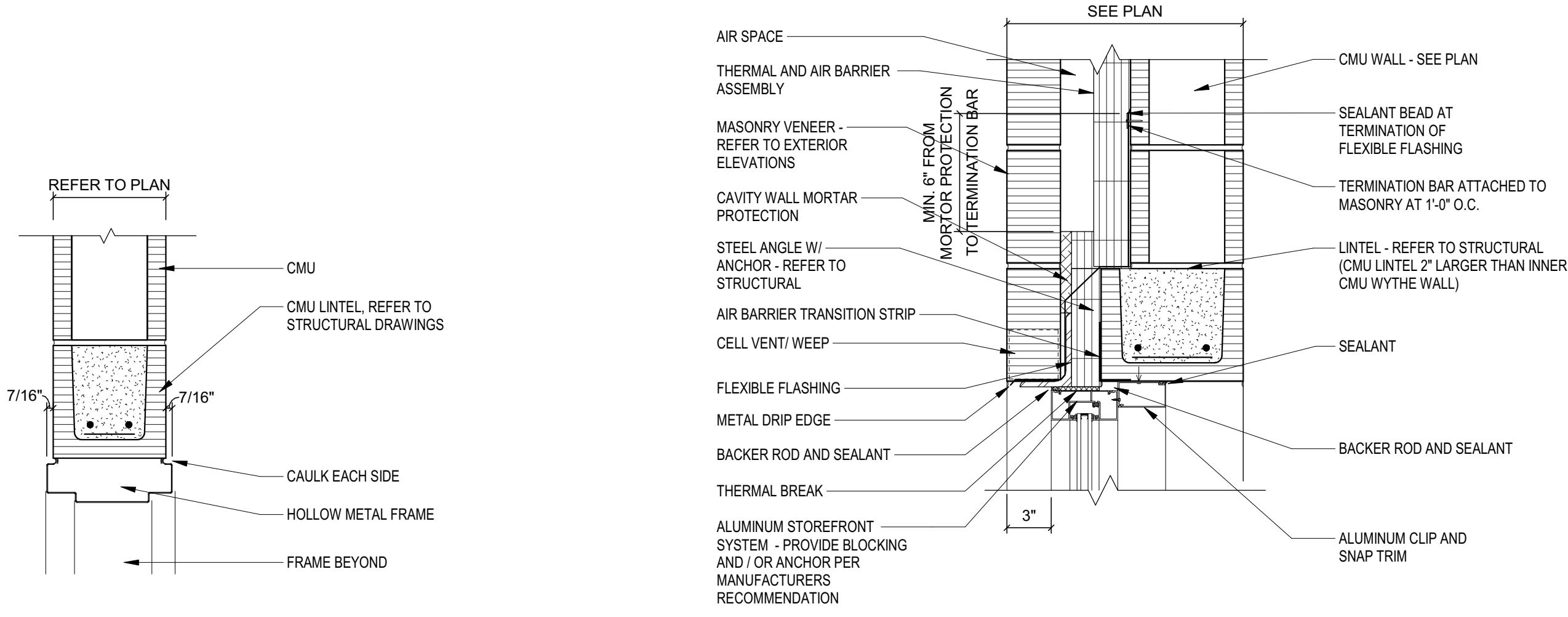
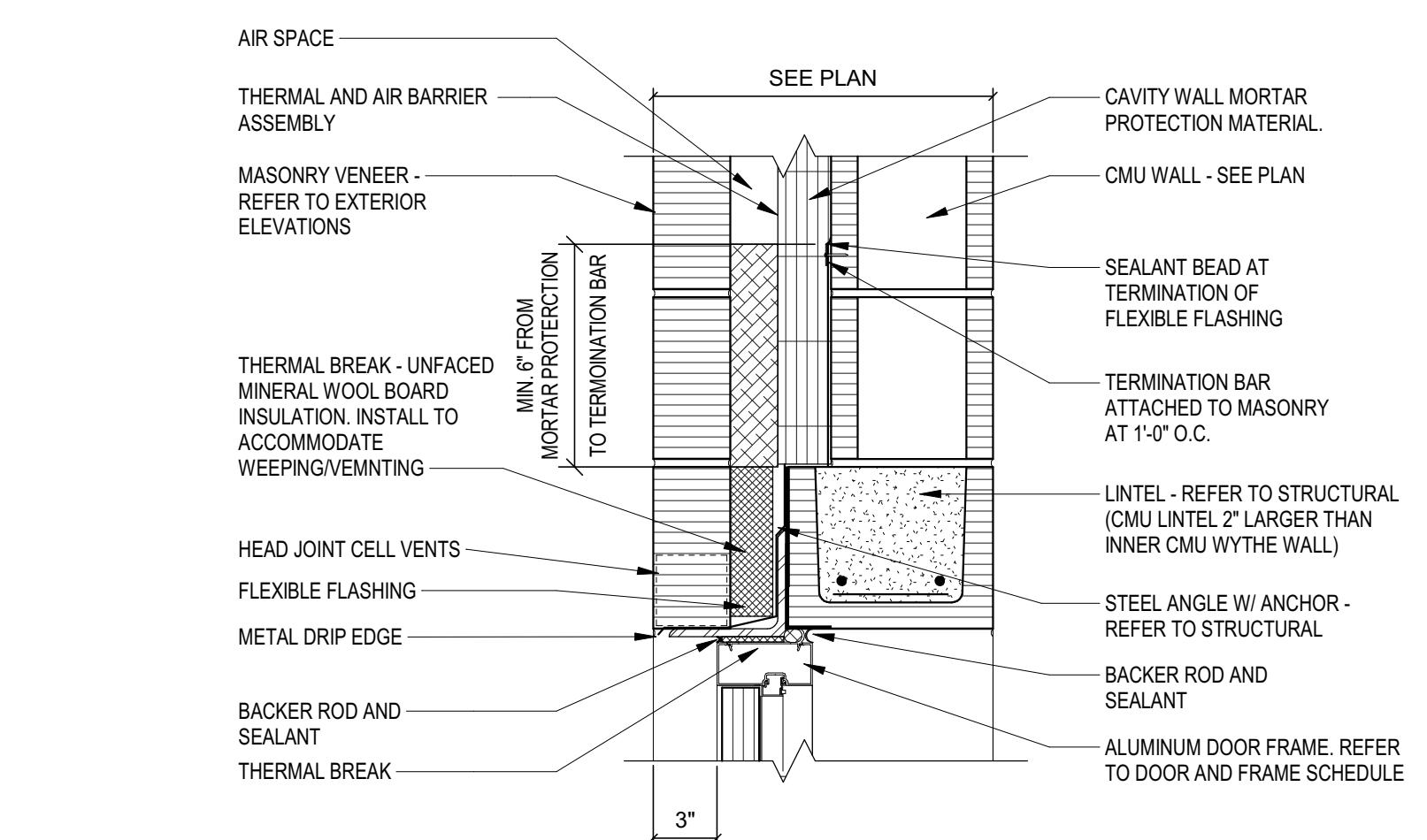
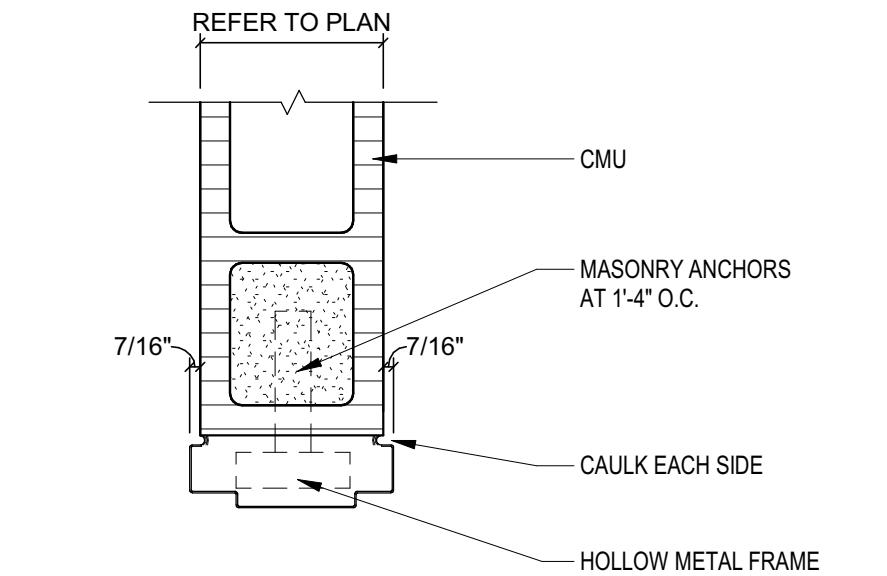
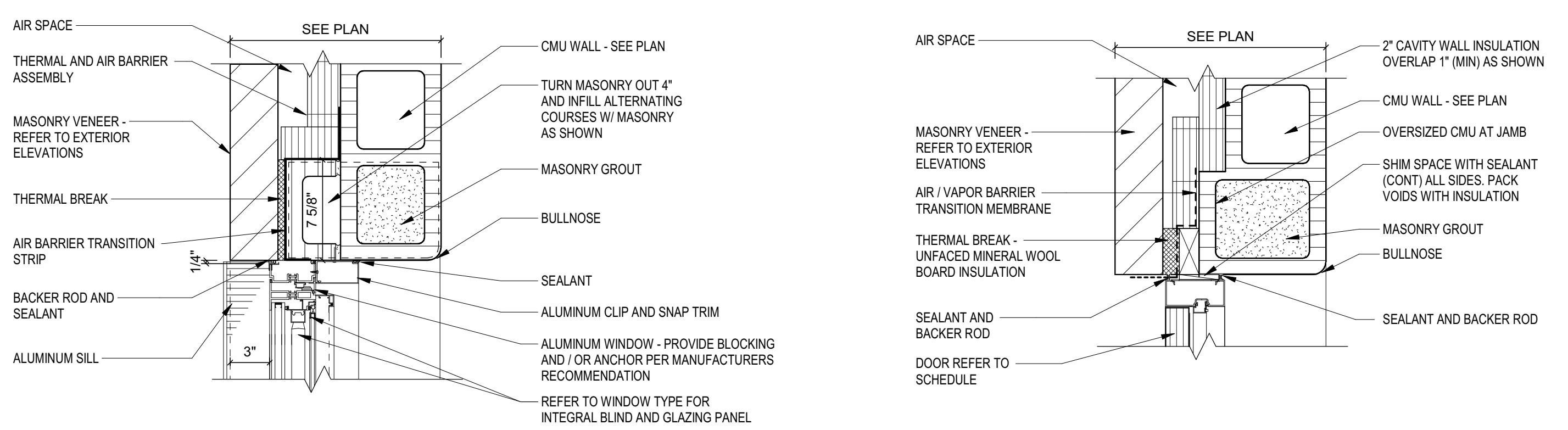
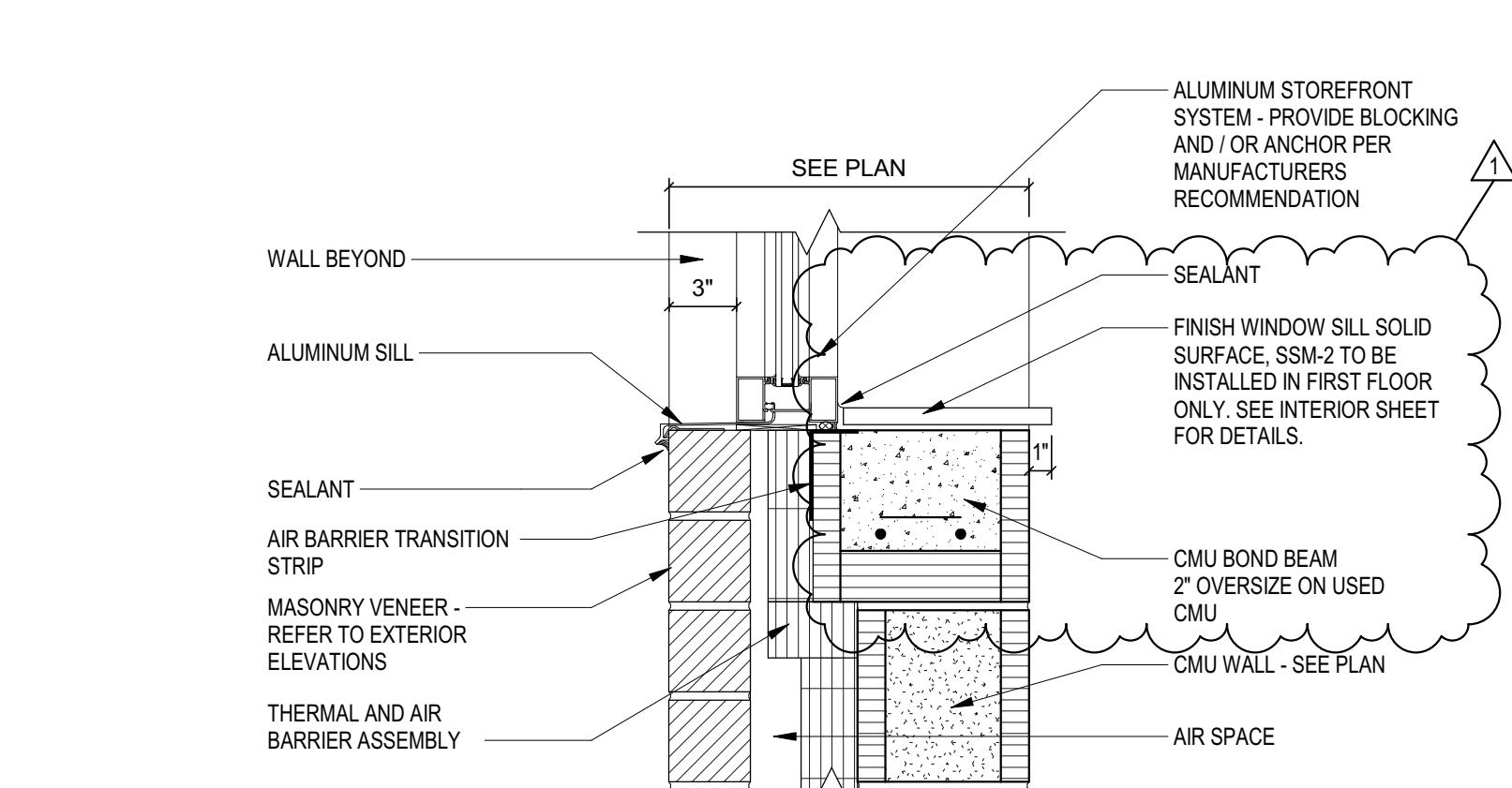
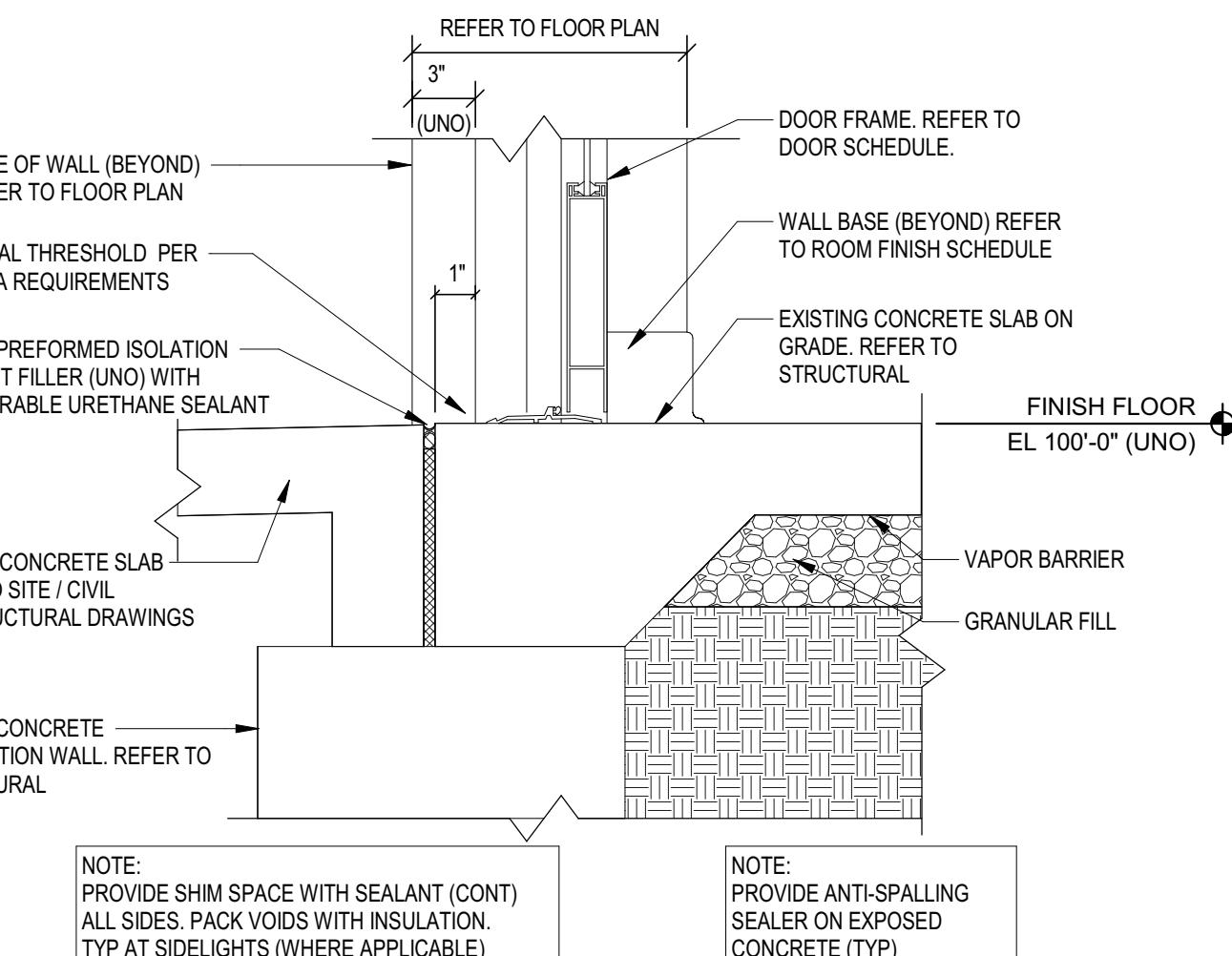
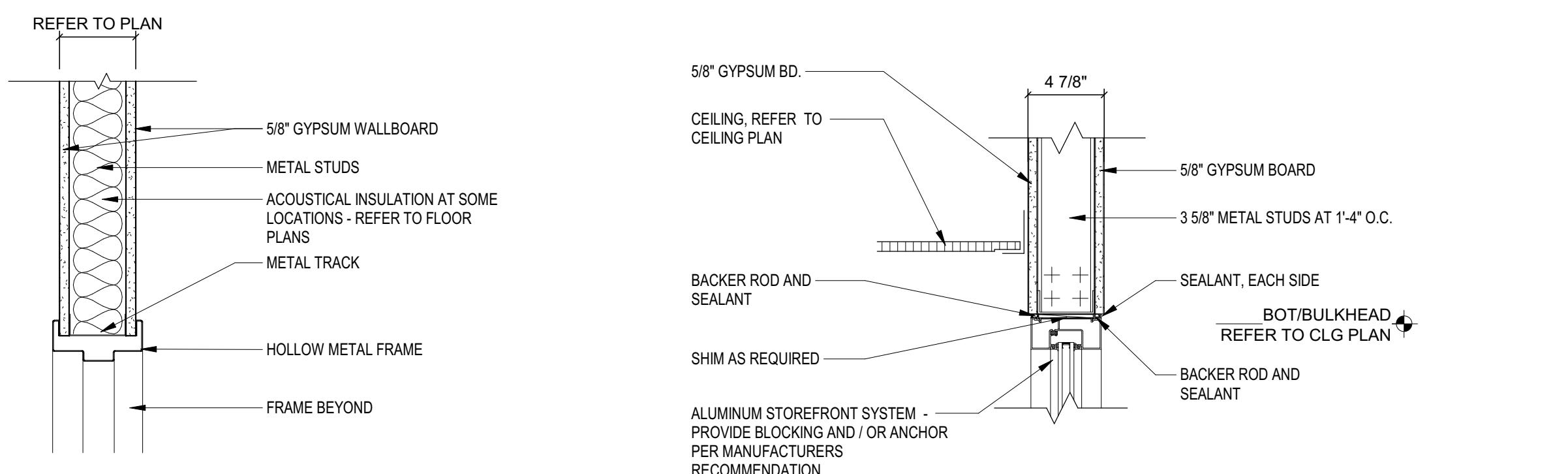
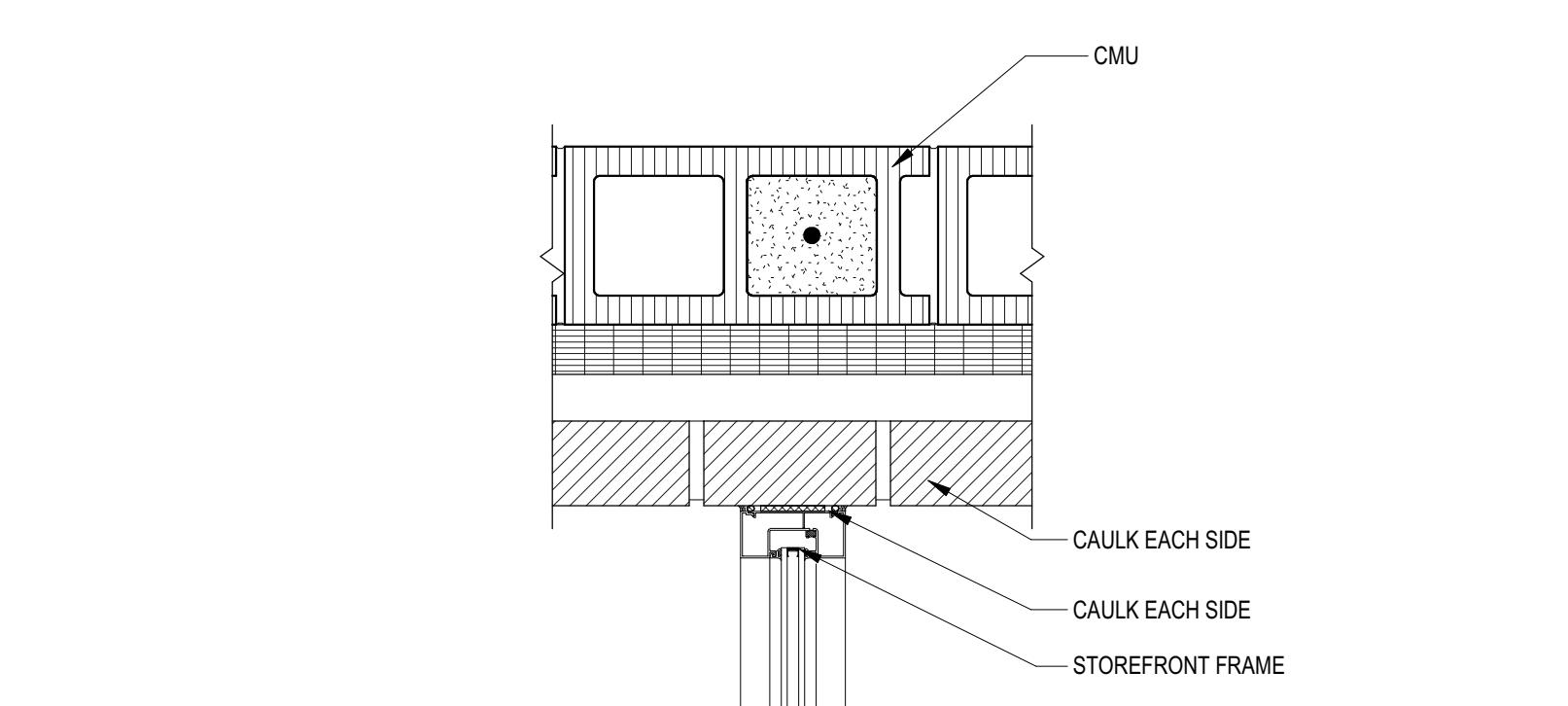
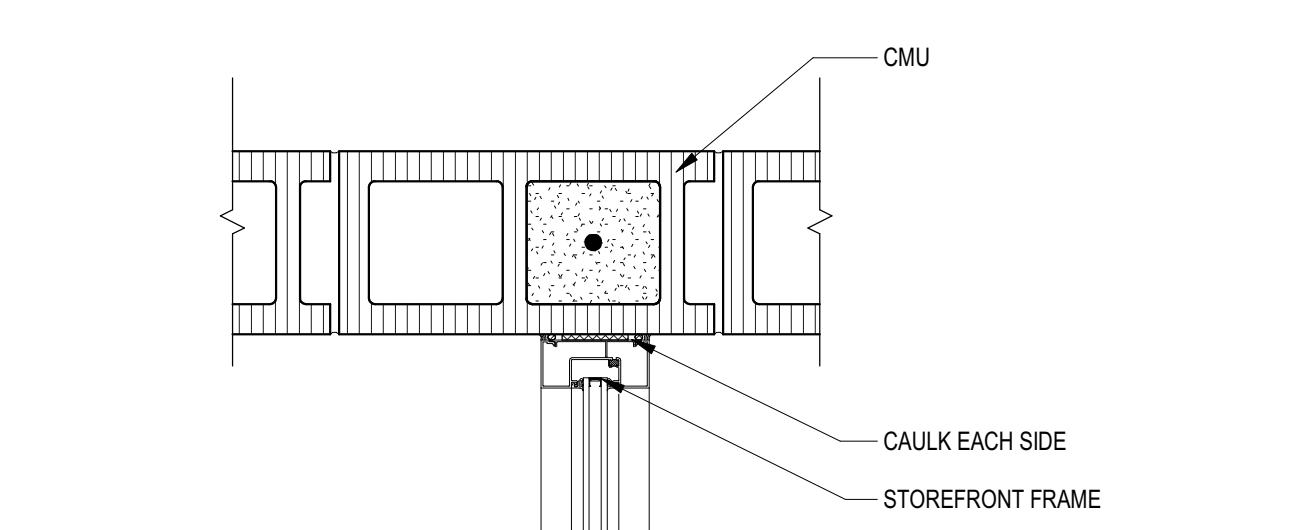
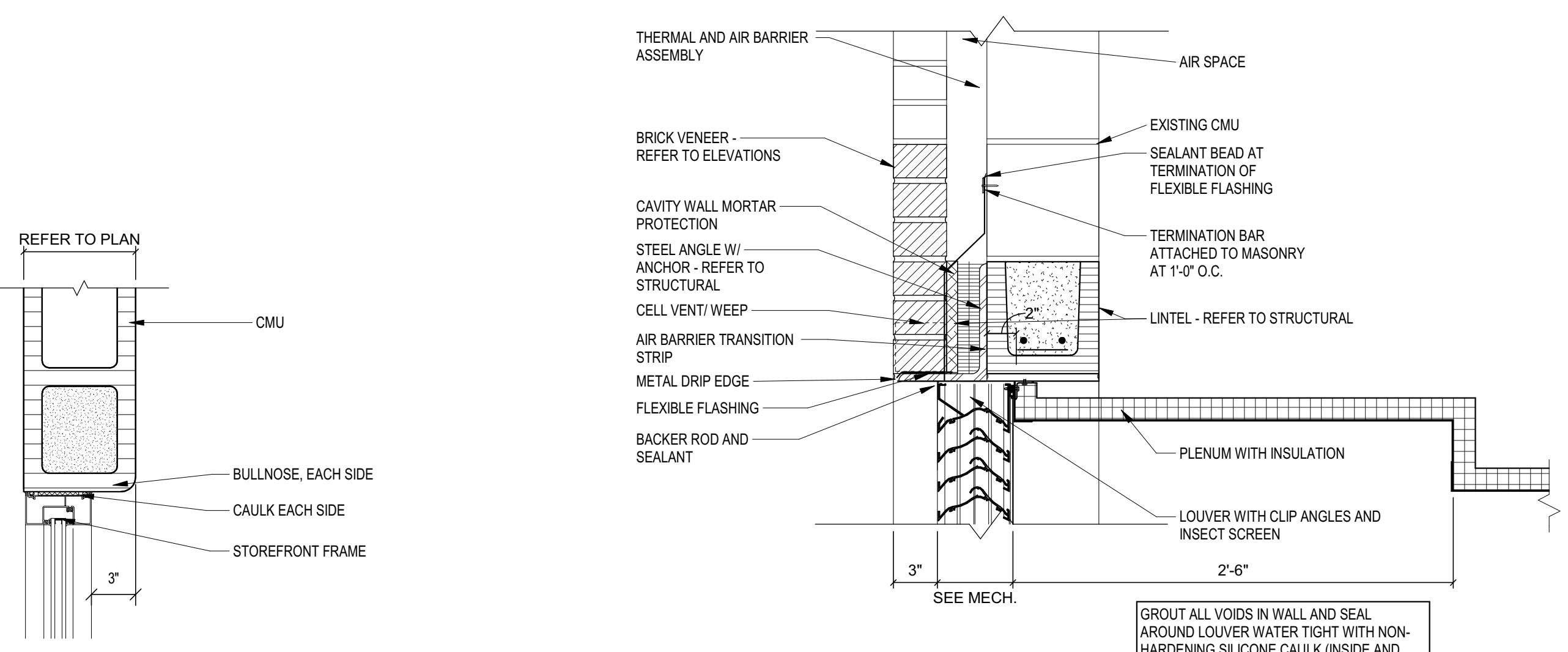
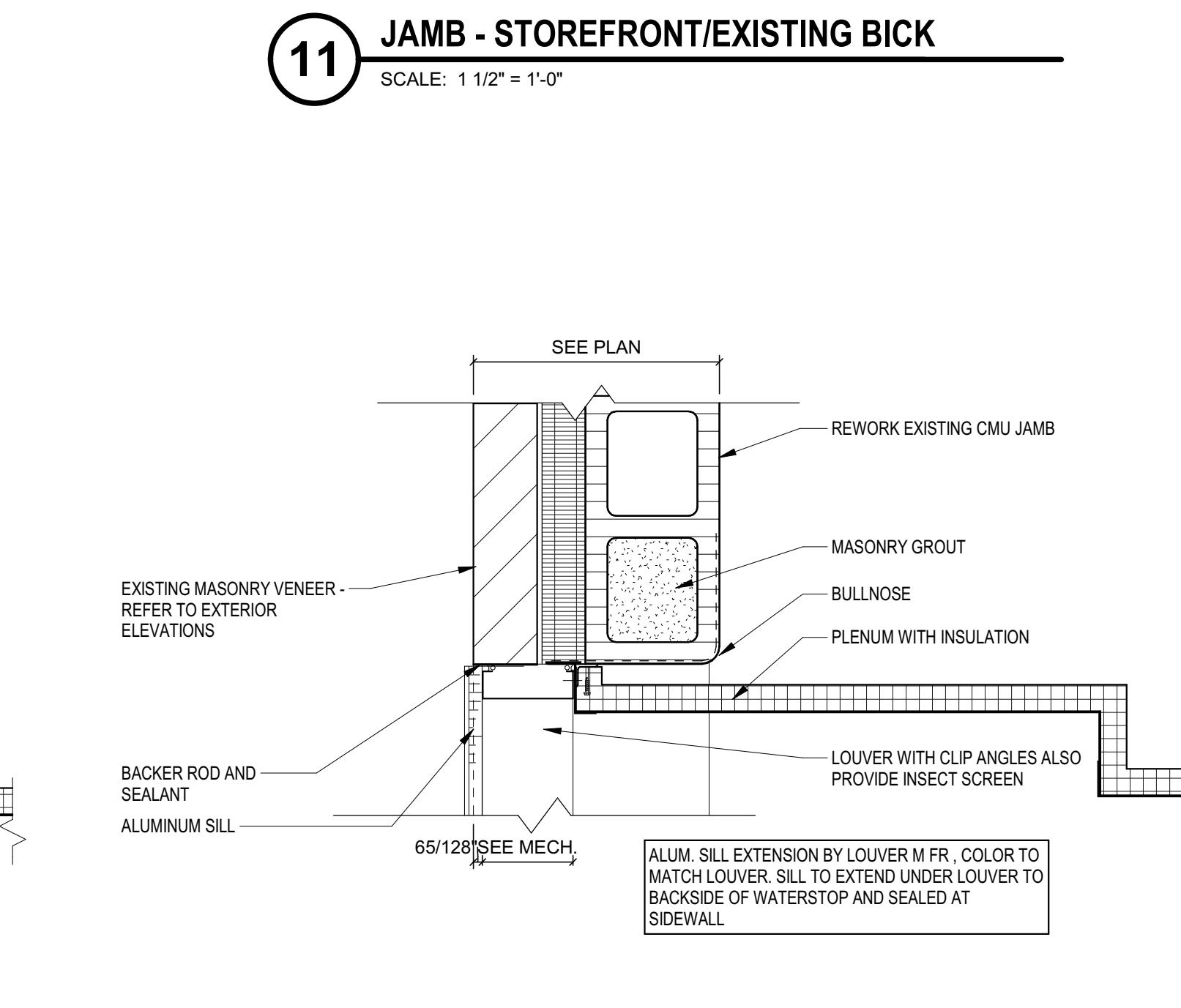
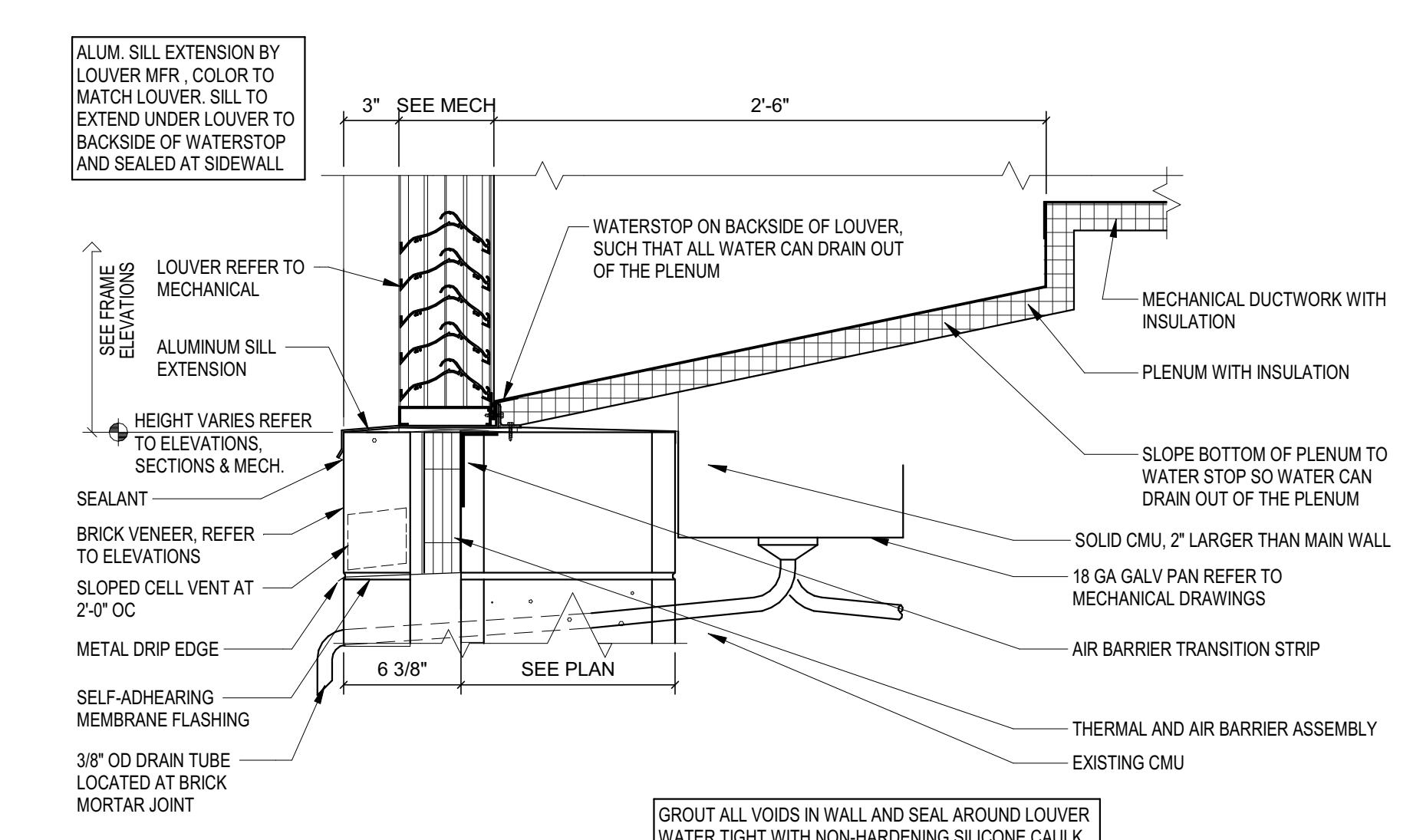


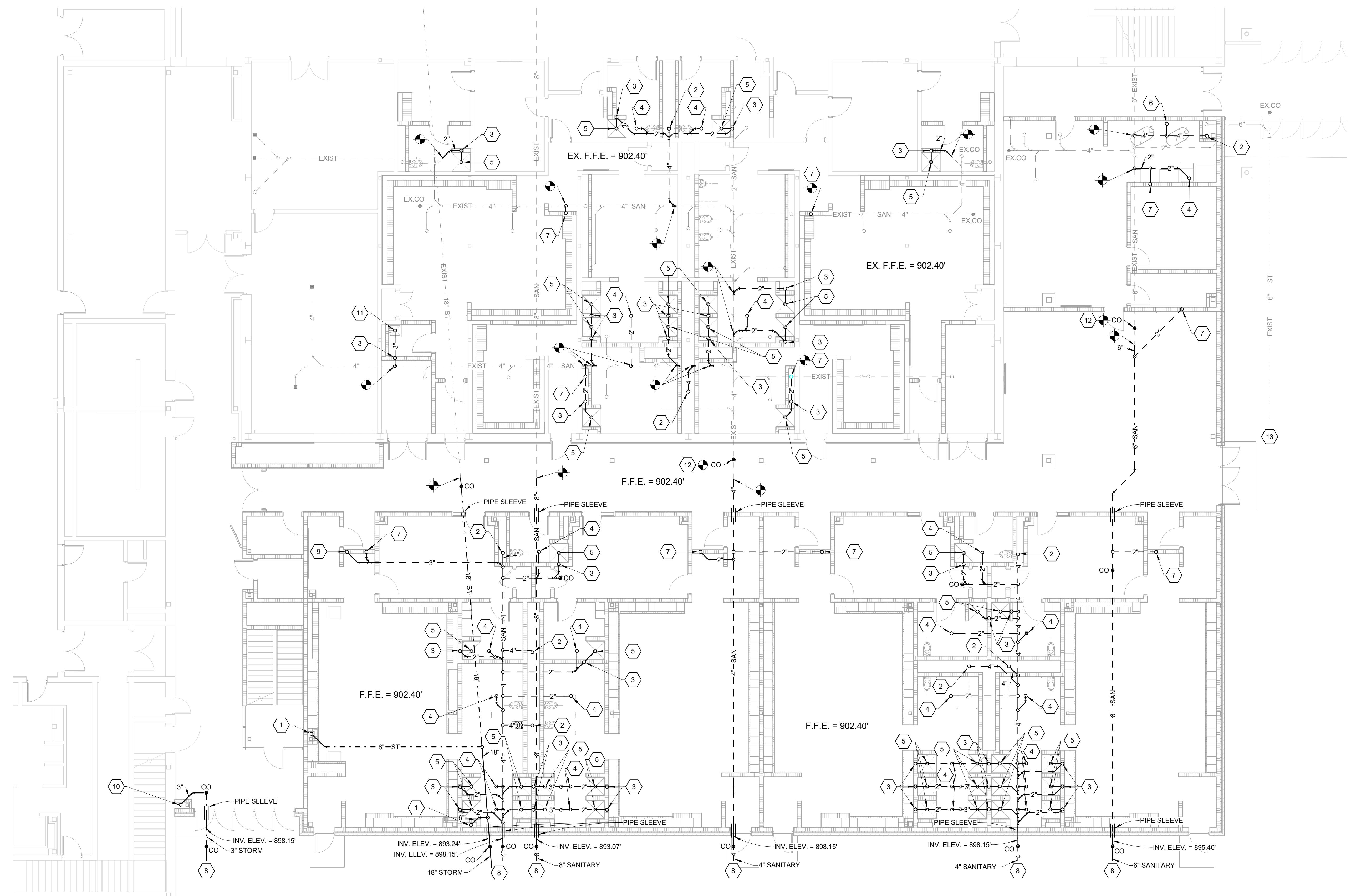
PROJECT MANAGER: JM
DRAWN BY: Author
PROJECT NUMBER: 224018.00
PROJECT ISSUE DATE: 01/21/2025

REV. NO. 1 ADDENDUM #1
DESCRIPTION DATE 02/11/2025

DOOR DETAILS

A6-01

1 HEAD - CMU
SCALE: 1 1/2" = 1'-0"2 HEAD - STOREFRONT
SCALE: 1 1/2" = 1'-0"4 JAMB - CMU
SCALE: 1 1/2" = 1'-0"5 JAMB - STOREFRONT/ BRICK
SCALE: 1 1/2" = 1'-0"3 HEAD - ALUMINUM / BRICK
SCALE: 1 1/2" = 1'-0"8 SILL - STOREFRONT
SCALE: 1 1/2" = 1'-0"6 JAMB - ALUMINUM / BRICK
SCALE: 1 1/2" = 1'-0"7 SILL - STOREFRONT / BRICK
SCALE: 1 1/2" = 1'-0"11 JAMB - STOREFRONT/EXISTING BICK
SCALE: 1 1/2" = 1'-0"9 HEAD - STUD
SCALE: 1 1/2" = 1'-0"10 HEAD - STOREFRONT
SCALE: 1 1/2" = 1'-0"13 JAMB - STOREFRONT
SCALE: 1 1/2" = 1'-0"15 JAMB - LOUVER
SCALE: 1 1/2" = 1'-0"16 SILL - LOUVER
SCALE: 1 1/2" = 1'-0"



GENERAL CONSTRUCTION NOTE
CONTRACTOR SHALL PROVIDE CUTTING AND PATCHING OF EXISTING CONCRETE SLAB AS REQUIRED TO ACCOMMODATE INSTALLATION OF UNDERSLAB PIPING SYSTEMS. PATCH CONCRETE SLAB TO MATCH EXISTING FINISHES.

FOUNDATION PLAN NOTES

- 1 6" STORM FROM ABOVE.
- 2 4" WASTE FROM ABOVE.
- 3 1 1/2" VENT UP.
- 4 2" WASTE WITH DEEP SEAL P-TRAP FROM FLOOR DRAIN ABOVE.
- 5 2" WASTE WITH DEEP SEAL P-TRAP FROM SHOWER DRAIN ABOVE.
- 6 4" WASTE WITH DEEP SEAL P-TRAP FROM TRENCH DRAIN ABOVE.
- 7 2" WASTE FROM ABOVE.
- 8 REFER TO SITE/CIVIL DRAWINGS FOR CONTINUATION.
- 9 3" WASTE FROM ABOVE.
- 10 3" STORM FROM ABOVE.
- 11 3" WASTE WITH DEEP SEAL P-TRAP FROM MOP BASIN ABOVE.
- 12 PROVIDE INTERIOR-TYPE FLOOR CLEANOUT. CONNECT TO EXISTING CLEANOUT RISER.
- 13 EXISTING 6" STORM LINE TO BE RE-USED AND RE-CONNECTED WITHIN BUILDING. REFER TO NEW WORK ABOVE SLAB PLANS FOR MORE INFORMATION. REFER TO SITE/CIVIL DRAWINGS FOR CONTINUATION TO SITE.

**ZIONSVILLE HS
ATHLETIC LOCKER
ADDITION**

1000 MULBERRY STREET,
ZIONSVILLE, IN 46077

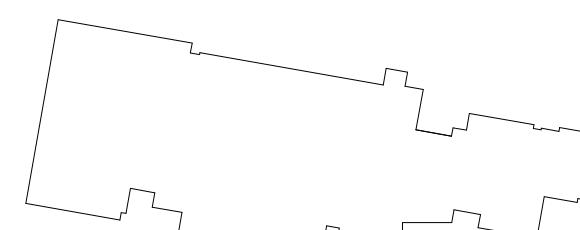
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KEY PLAN

ISSUED FOR BID



PROJECT MANAGER: JM
DRAWN BY: JE
PROJECT NUMBER: 224018.00
PROJECT ISSUE DATE: 01/21/2025

REV.
NO. ▲ DESCRIPTION DATE

VERIFICATION NOTE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.
SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

FOUNDATION PLUMBING PLAN

P-10

ZIONSVILLE HS ATHLETIC LOCKER ADDITION

1000 MULBERRY STREET,
ZIONSVILLE, IN 46077ZIONSVILLE COMMUNITY
SCHOOLS

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KEY PLAN

N



PROJECT MANAGER: JM
DRAWN BY: JE
PROJECT NUMBER: 224018.00
PROJECT ISSUE DATE: 01/21/2025

REV. NO. □ DESCRIPTION DATE

ROOM LEGEND - FIRST FLOOR UNIT A		
ROOM NO.	ROOM NAME	AREA (SF)
A101	CORRIDOR	1376 SF
A102	LAUNDRY	515 SF
A103	MECHANICAL	697 SF
A104	VESTIBULE	48 SF
A105	VESTIBULE	60 SF
A106	OFFICE	193 SF
A107	LOCKERS	110 SF
A108	RESTROOM	70 SF
A109	VESTIBULE	129 SF
A110	STORAGE	16 SF
A111	RESTROOM	228 SF
A112	SHOWERS	127 SF
A113	LOCKERS	668 SF
A114	STORAGE	11 SF
A115	SERVICE SINK	34 SF
A116	REF RESTROOM	98 SF
A117	REF RESTROOM	99 SF
A118	STORAGE	66 SF
A119	VESTIBULE	46 SF
A120	VESTIBULE	60 SF
A121	OFFICE	237 SF
A122	LOCKERS	110 SF
A123	RESTROOM	70 SF
A124	VESTIBULE	129 SF
A125	STORAGE	19 SF
A126	RESTROOM	226 SF
A127	SHOWERS	127 SF
A128	LOCKERS	659 SF
A129	STORAGE	10 SF
A130	CORRIDOR	4767 SF
A131	STORAGE	92 SF
A132	VESTIBULE	40 SF
A133	VESTIBULE	62 SF
A134	LOCKERS	215 SF
A135	RESTROOM	182 SF
A136	VESTIBULE	62 SF
A137	LOCKERS	216 SF
A138	RESTROOM	182 SF
A139	VESTIBULE	40 SF
A140	STORAGE	134 SF
A141	LOBBY	396 SF
A142	OPEN OFFICE	306 SF
A143	VESTIBULE	108 SF
A144	OFFICE	250 SF
A145	STORAGE	12 SF
A146	RESTROOM	92 SF
A147	LOCKERS	806 SF
A148	RESTROOM	220 SF
A149	VESTIBULE	44 SF
A150	RESTROOM	66 SF
A151	VESTIBULE	105 SF
A152	OFFICE	249 SF
A153	STORAGE	12 SF
A154	RESTROOM	92 SF
A155	LOCKERS	799 SF
A156	RESTROOM	229 SF
A157	VESTIBULE	44 SF
A158	VESTIBULE	105 SF
A159	OFFICE	249 SF
A160	STORAGE	12 SF
A161	RESTROOM	86 SF
A162	LOCKERS	799 SF
A163	RESTROOM	248 SF
A164	RESTROOM	Not Placed
A165	VESTIBULE	44 SF
A166	VESTIBULE	104 SF
A167	OFFICE	250 SF
A168	STORAGE	12 SF
A169	RESTROOM	86 SF
A170	LOCKERS	794 SF
A171	RESTROOM	248 SF
A172	VESTIBULE	44 SF
A173	ELECTRICAL	55 SF
A174	TECHNOLOGY	46 SF
A175	CORRIDOR	1053 SF
A176	TRAINING	703 SF
A177	OFFICE	170 SF
A178	STORAGE	66 SF
A179	CORRIDOR	251 SF
A180	CORRIDOR	257 SF
A181	VESTIBULE	387 SF

GENERAL CONSTRUCTION NOTE

CONTRACTOR SHALL BE RESPONSIBLE FOR CEILING REMOVAL AND REPLACEMENT AS REQUIRED THROUGHOUT EXISTING AREAS TO ACCOMMODATE NEW PIPING INSTALLATIONS. ANY DAMAGE TO THE CEILING OR CEILING TILE SHALL BE REPAIRED BY THIS CONTRACTOR.

FIRST FLOOR PLUMBING PLAN NOTES

- 1 1/2" COLD WATER UP.
- 2 3/4" COLD WATER UP.
- 3 1 1/2" WASTE DOWN. 2" WASTE DOWN TO BELOW SLAB.
- 4 2 1/2" VENT UP.

5 CONNECT 4" GAS TO EXISTING 4" GAS AT THIS POINT. FIELD VERIFY EXISTING GAS MAIN LOCATION AND SIZE. EXISTING GAS SYSTEM SIZED FOR 14" W.C.

6 1/2" COLD WATER DOWN. 2" WASTE DOWN TO BELOW SLAB. 1 1/2" VENT UP TO ABOVE CEILING.

7 1/2" COLD WATER UP.

8 2" WASTE DOWN FROM ABOVE. 4" VENT UP.

9 3" WASTE DOWN TO BELOW SLAB.

10 6" STORM FROM ABOVE. 3/4" HOT AND COLD WATER UP TO MOP BASIN ABOVE. 3" WASTE DOWN. 1 1/2" VENT UP.

11 3" WASTE WITH DEEP SEAL P-TRAP FROM MOP BASIN ABOVE.

12 HOT WATER RETURN BALANCE STATION. REFER TO DETAIL ON DRAWING P31 FOR MORE INFORMATION.

13 6" STORM FROM ABOVE.

14 4" STORM DOWN TO BELOW SLAB.

15 6" STORM DOWN TO BELOW SLAB.

16 3" STORM FROM ROOF DRAIN ABOVE.

17 3" STORM FROM OVERFLOW ROOF DRAIN ABOVE.

18 1 1/2" WASTE FROM ABOVE.

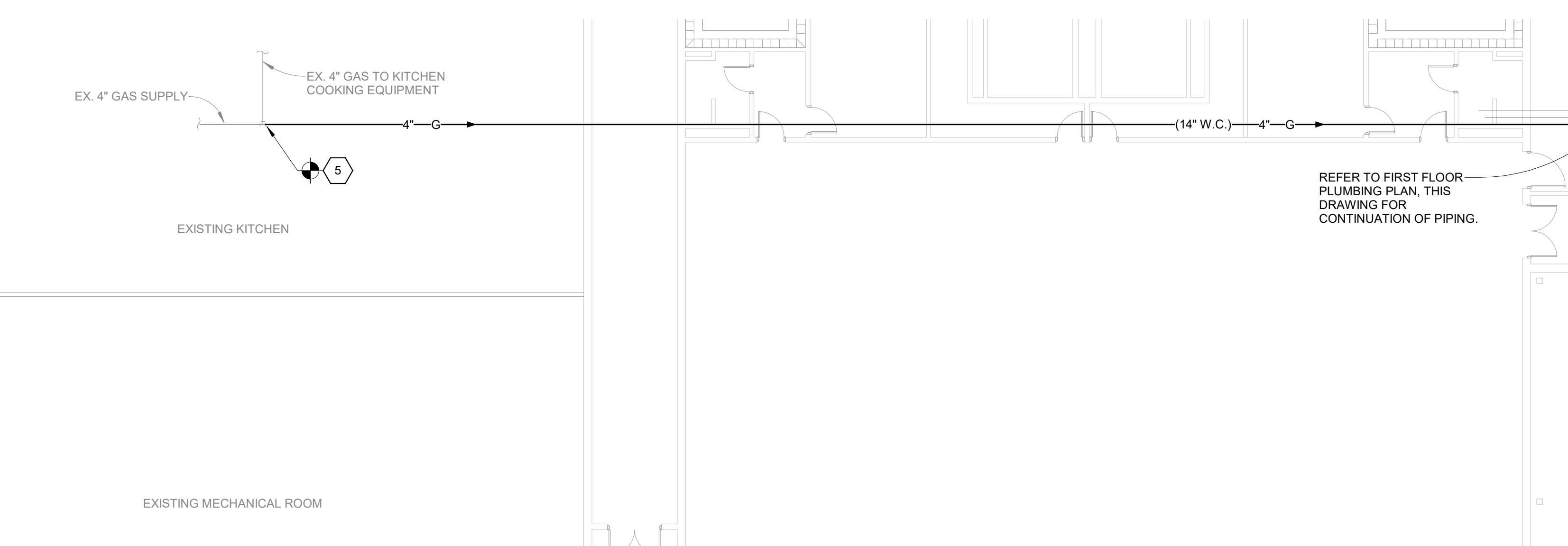
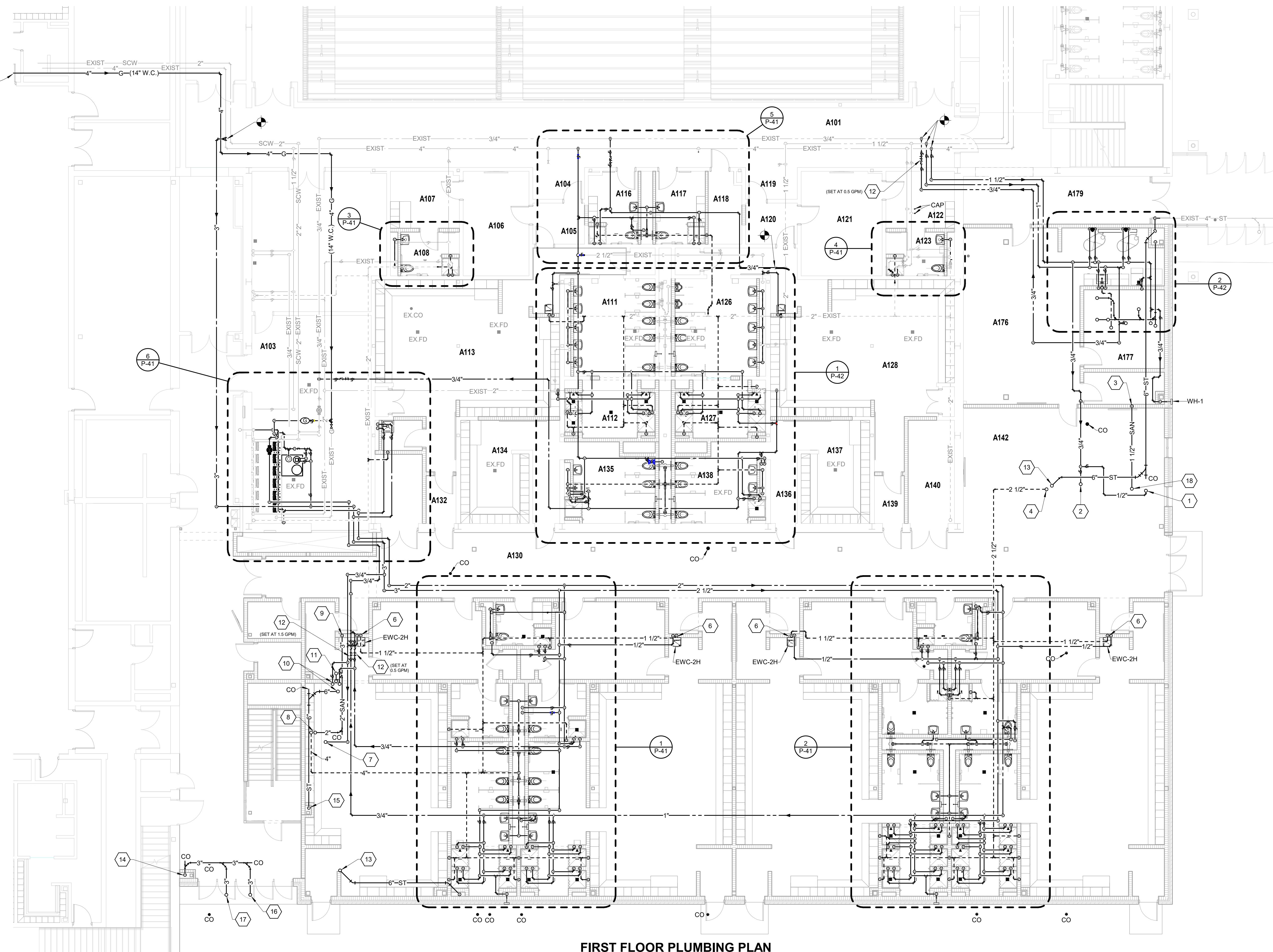
VERIFICATION NOTE

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SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

FIRST FLOOR PLUMBING PLAN

P-11



PARTIAL OVERALL FIRST FLOOR PLUMBING PLAN

SCALE: 3/32" = 1'-0"

ZIONSVILLE HS ATHLETIC LOCKER ADDITION

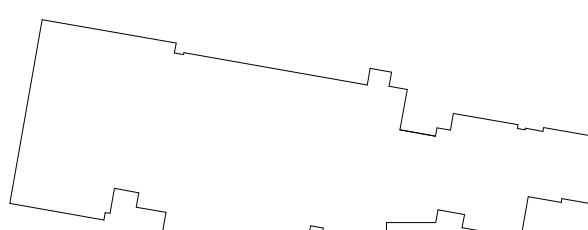
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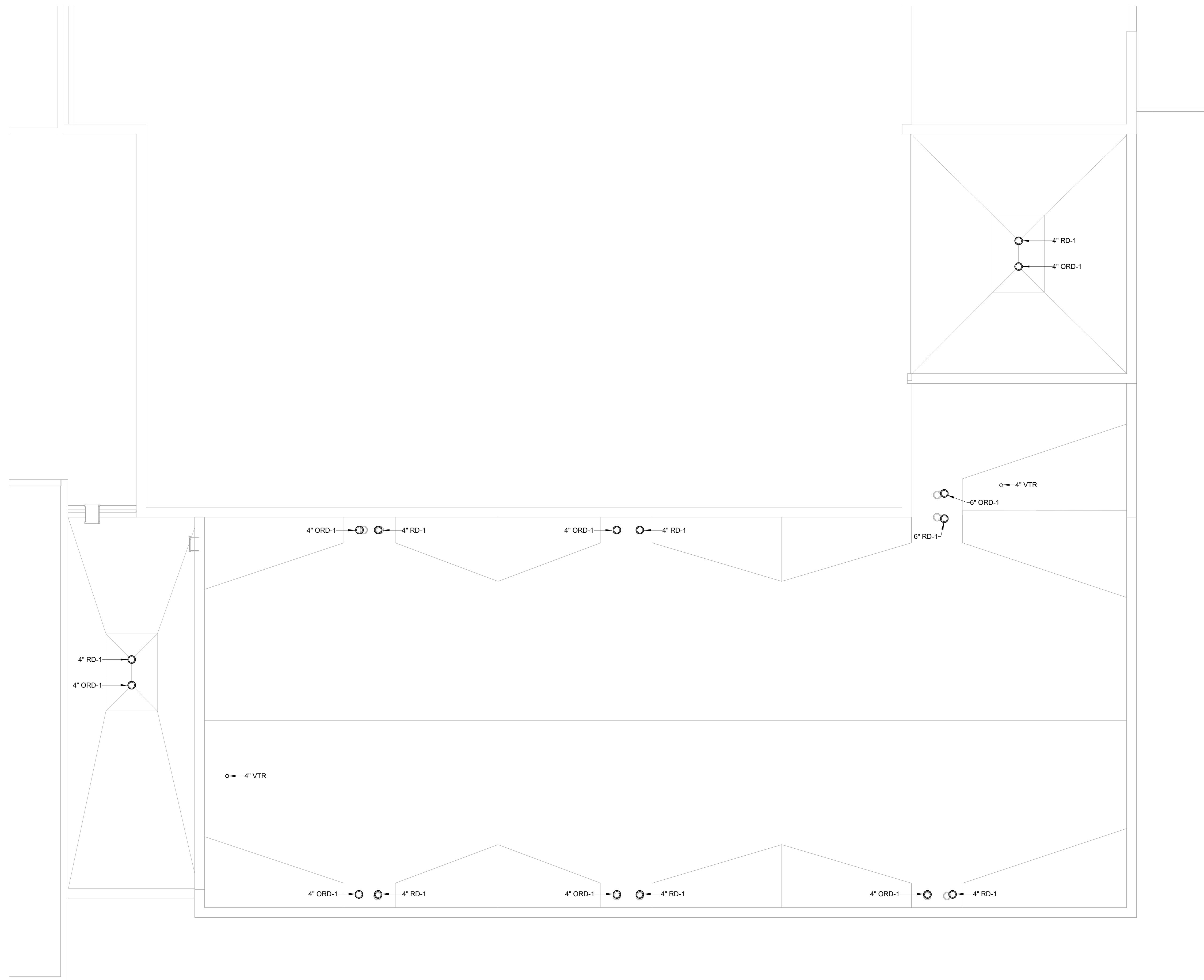
KEY PLAN

ISSUED FOR BID



PROJECT MANAGER: JM
DRAWN BY: JE
PROJECT NUMBER: 224018.00
PROJECT ISSUE DATE: 01/21/2025

REV.
NO. ▲ DESCRIPTION DATE



ROOF PLUMBING PLAN

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

VERIFICATION NOTE
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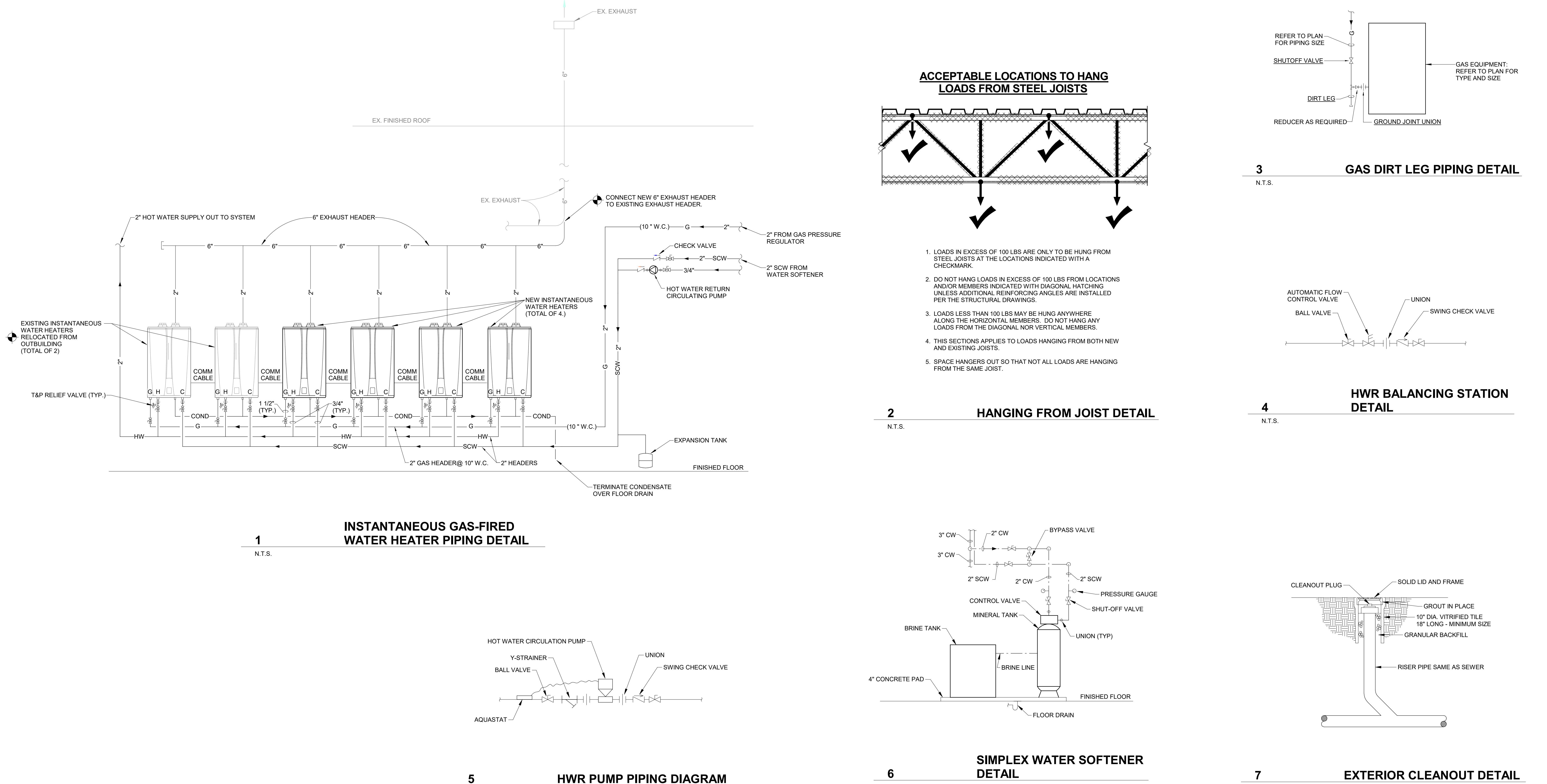
ROOF PLUMBING PLAN

ZIONSVILLE HS ATHLETIC LOCKER ADDITION

1000 MULBERRY STREET,
ZIONSVILLE, IN 46077

MARK	ITEM	MFGR	MODEL	MATERIAL	TYPE	COLOR	ITEM	MFGR	MODEL	ACCESSORIES				CONNECTIONS				COMMENTS
										TRIM	ITEM	MFGR	MODEL	CW	HW	W	V	
EWC-1H	4-LEVEL ELECTRIC WATER COOLER - ADA	ELKAY	L2S15W/SSK	STAINLESS	WALL MOUNTED	-	BUBBLER	-	-	BOTTLE FILLER	-	-	1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	PROVIDE WITH INLINE WATER FILTER FROM MANUFACTURER
EWC-2H	ELECTRIC WATER COOLER - ADA	ELKAY	L2S15W/SSK	STAINLESS	WALL MOUNTED	-	BUBBLER	-	-	BOTTLE FILLER	-	-	1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	PROVIDE WITH INLINE WATER FILTER FROM MANUFACTURER
FSSK	MOP SERVICE BASIN	FIAT	TSB-3000	TERAZZO	FLOOR MOUNTED	-	FAUCET	CHICAGO	897-CCP	-	-	-	1/4"	3/4"	3"	1 1/2"	1 1/2"	PROVIDE STAINLESS STEEL WALL GUARD, MOP HANGER, ETC.
HB-1	HOSE BIBB	CHICAGO	387-E27CP	ROUGH BRONZE	WALL MOUNTED	-	-	-	-	-	-	-	3/4"	-	-	-	-	MOUNT AT 36" A.F.P.
L-1	LAVATORY	AMERICAN STANDARD	0355.012	VIT. CHINA	WALL MOUNTED	WHITE	FAUCET	SLOAN	EAF350-ISM-0.5	POINT-OF-USE TMV	POWERS	LFG480	1/2"	1/2"	1 1/2"	1 1/2"	1 1/2"	BATTERY OPERATED FAUCET; SET OUTLET TEMP OF TMV AT 105 DEG. F.; SIZE TMV FOR 0.25 MIN. FLOW RATE.
L-1H	LAVATORY - ADA	AMERICAN STANDARD	0355.012	VIT. CHINA	WALL MOUNTED	WHITE	FAUCET	SLOAN	EAF350-ISM-0.5	POINT-OF-USE TMV	POWERS	LFG480	1/2"	1/2"	1 1/2"	1 1/2"	1 1/2"	BATTERY OPERATED FAUCET; SET OUTLET TEMP OF TMV AT 105 DEG. F.; SIZE TMV FOR 0.25 MIN. FLOW RATE.
SH-1	SHOWER	BRADLEY	S88-1005	STAINLESS	WALL MOUNTED	-	SHOWER HEAD	BRADLEY	S115	-	-	-	3/4"	3/4"	2"	1 1/2"	1 1/2"	MANUALLY OPERATED SHOWER VALVE
SH-1H	SHOWER - ADA	BRADLEY	HN200-0F-S15-HS-SB	STAINLESS	WALL MOUNTED	-	-	-	-	-	-	-	3/4"	3/4"	2"	1 1/2"	1 1/2"	MANUALLY OPERATED SHOWER VALVE
SH-2H	SHOWER - ADA	BRADLEY	HN250-T4-HD-S15-HS-ST-SB-SHV	STAINLESS	MOUNTED ON SURFACE OF EXISTING WALL	-	-	-	-	-	-	-	3/4"	3/4"	2"	1 1/2"	1 1/2"	MANUALLY OPERATED SHOWER VALVE
SK-1H	SINGLE COMP. SINK - ADA	ELKAY	LRAD1918-5.5	STAINLESS	COUNTERTOP	-	FAUCET	CHICAGO	201-AGN8AE2805FAB	POINT-OF-USE TMV	POWERS	LFe480	1/2"	1/2"	2"	1 1/2"	1 1/2"	MANUALLY OPERATED FAUCET
UR-1	URINAL	AMERICAN STANDARD	6590.001	VIT. CHINA	WALL MOUNTED	WHITE	FLUSH VALVE	SLOAN	8186-0-125	-	-	-	3/4"	3/4"	2"	1 1/2"	1 1/2"	BATTERY OPERATED FLUSH VALVE
UR-1H	URINAL - ADA	AMERICAN STANDARD	6590.001	VIT. CHINA	WALL MOUNTED	WHITE	FLUSH VALVE	SLOAN	8186-0-125	-	-	-	3/4"	3/4"	2"	1 1/2"	1 1/2"	BATTERY OPERATED FLUSH VALVE
WC-1	WATER CLOSET	AMERICAN STANDARD	2257-101	VIT. CHINA	WALL MOUNTED	WHITE	FLUSH VALVE	SLOAN	8111-1.28	SEAT	CENTOCO	1500 STSCSS	1 1/2"	4"	2"	1 1/2"	1 1/2"	BATTERY OPERATED FLUSH VALVE
WC-1H	WATER CLOSET - ADA	AMERICAN STANDARD	2257-101	VIT. CHINA	WALL MOUNTED	WHITE	FLUSH VALVE	SLOAN	8111-1.28	SEAT	CENTOCO	1500 STSCSS	1 1/2"	4"	2"	1 1/2"	1 1/2"	BATTERY OPERATED FLUSH VALVE
WH-1	NON-FREEZE WALL HYDRANT	J.R. SMITH	5509QT	ROUGH BRONZE	WALL MOUNTED	-	-	-	-	-	-	-	3/4"	-	-	-	-	MOUNT AT 24" A.F.P.
WH-2	WARM CLIMATE WALL HYDRANT (INTERIOR WASH DOWN)	J.R. SMITH	5509QT-SAP	ROUGH BRONZE	WALL MOUNTED	-	-	-	-	-	-	-	3/4"	-	-	-	-	MOUNT AT 12" A.F.P. COORDINATE FINAL LOCATION WITH ARCHITECTURAL FINISHES.

PLUMBING EQUIPMENT SCHEDULE										ELECTRICAL DATA					COMMENTS			
MARK	DESCRIPTION	LOCATION	MANUFACTURER/MODEL NUMBER	CAPACITY			REMARKS	HP	KW	V	AMP	PH						
DWH-1	GAS-FIRED INSTANTANEOUS DOMESTIC WATER HEATER	MECH. ROOM A103	NAVIEN MODEL NPE240S2	5.6 GPM @ 70 DEG. TEMP RISE; MIN. 0.5 GPM FLOW RATE; 199,900 BTU/HR GAS INPUT AT 3.5W.C. TO 10.5W.C. PRESSURE									350 WATTS	120	4	1		
EXT-1	DOMESTIC HOT WATER EXPANSION TANK	MECH. ROOM A103	AMTROL MODEL NO. ST-12C	6.4 GAL. MAX ACCEPT VOLUME; 3.2 GAL. TOTAL VOLUME			A.S.M.E. RATED - SECTION VIII - FLOOR MOUNTED	-	-	-	-	-						
HWCP-1	HOT WATER RETURN PUMP	MECH. ROOM A103	BELL AND GOSSETT MODEL NO. PL-36B	3 GPM @ 22' T.D.H.			ALL BRONZE CONSTRUCTION	1/6	-	120	-	-						
TMV-1	HYDROTHERAPY TUB THERMOSTATIC MIXING VALVE	TRAINING ROOM A176	LEONARD MODEL TM-356-26-LF-WHA	10 GPM @ 10 PSI PRESSURE DROP			3/4" INLETS / 3/4" OUTLETS	-	-	-	-	-						EXTRA 1/2" HOSE ATTACHMENT, VACUUM BREAKER, 60" CHROME HOSE AND HAND HELD SPRAY, WALL HOOK
WS-1	SIMPLEX WATER SOFTENER	MECH. ROOM A103	AQUA SYSTEMS 2900 2' SINGLE UNIT SYSTEM; MODEL 300	60,000 GRAINS OF CAPACITY @ 6 LBS./CU.FT.; 32 GPM @ 15 PSI DROP, 50 GPM @ 25 PSI DROP TO EXISTING FLOOR DRAIN WITH AIR GAP.														



ZIONSVILLE HS ATHLETIC LOCKER ADDITION

1000 MULBERRY STREET,
ZIONSVILLE, IN 46077

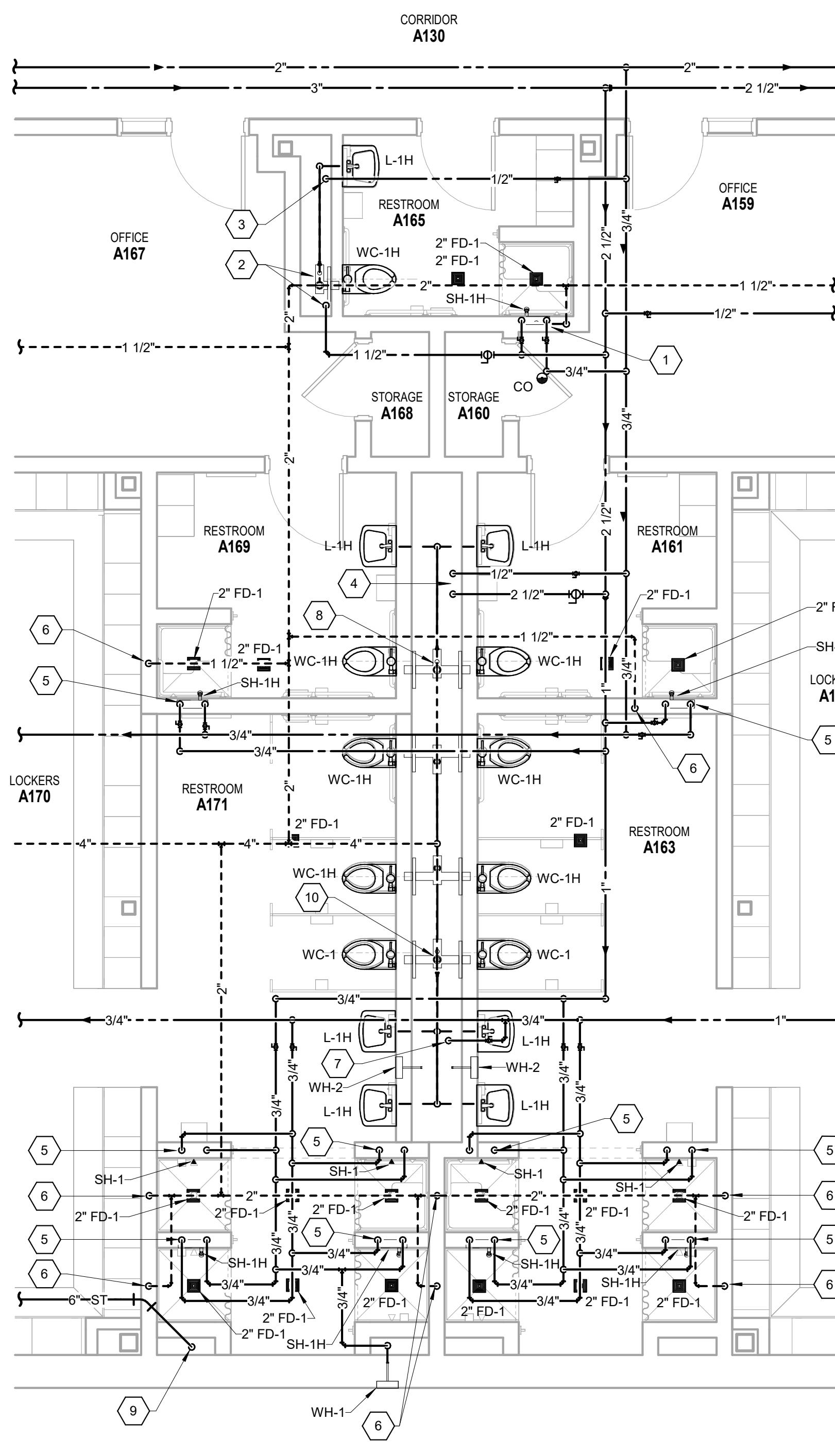
ZIONSVILLE COMMUNITY SCHOOLS



ZIONSVILLE
COMMUNITY SCHOOLS

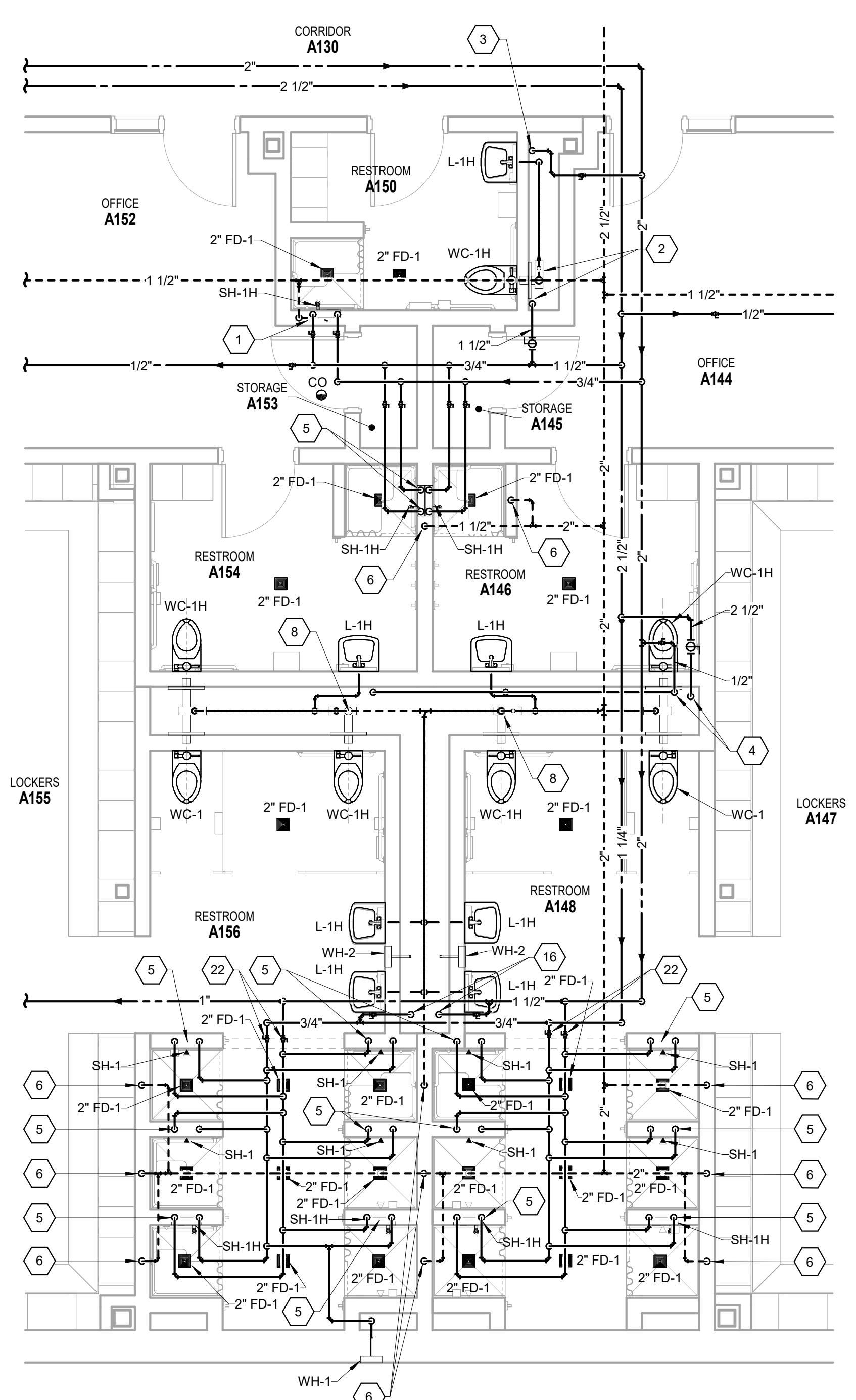
ARCHITECT

FANNING HOWEY

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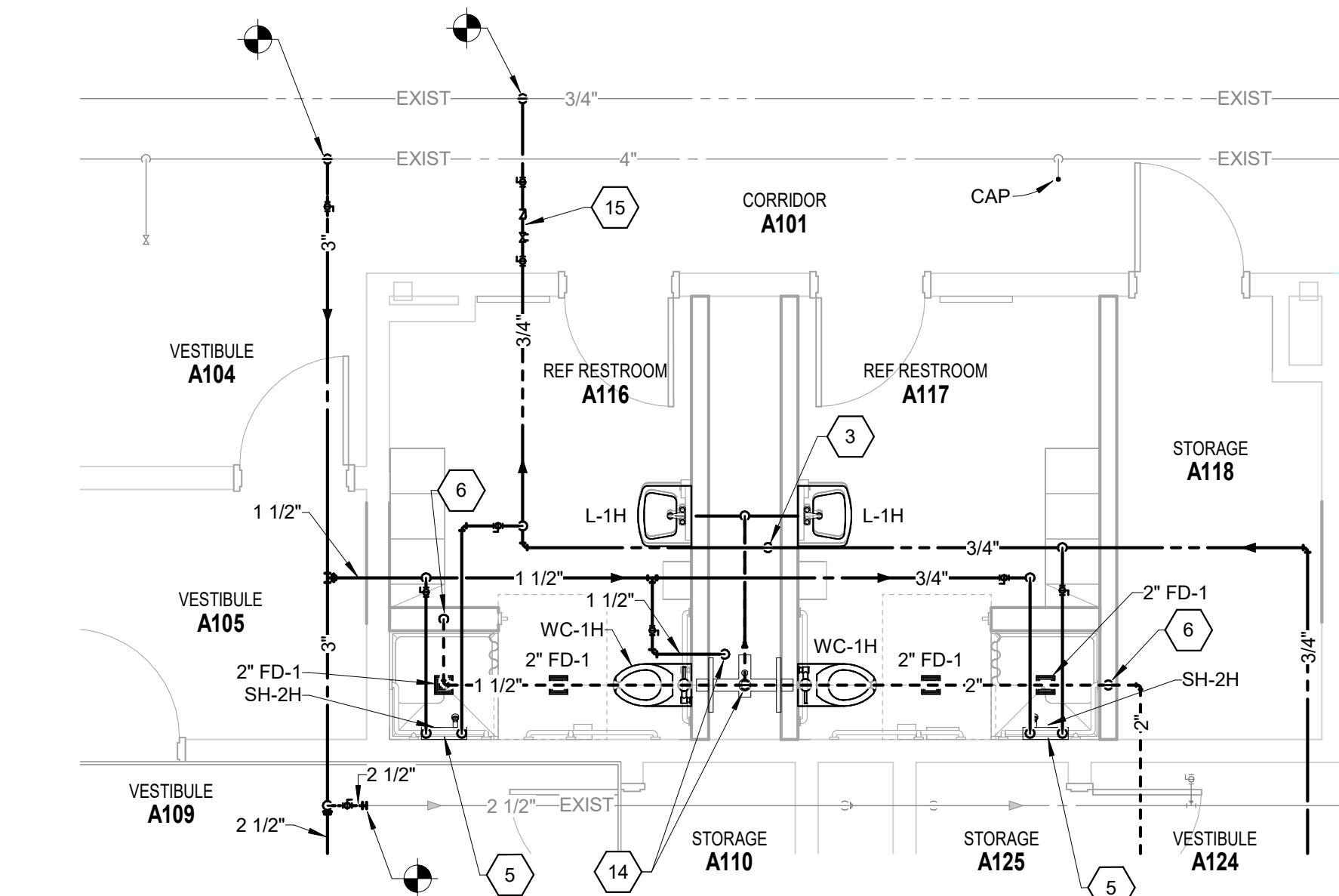
ENLARGED FIRST FLOOR WEST
LOCKER ROOM PLUMBING
PLAN

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



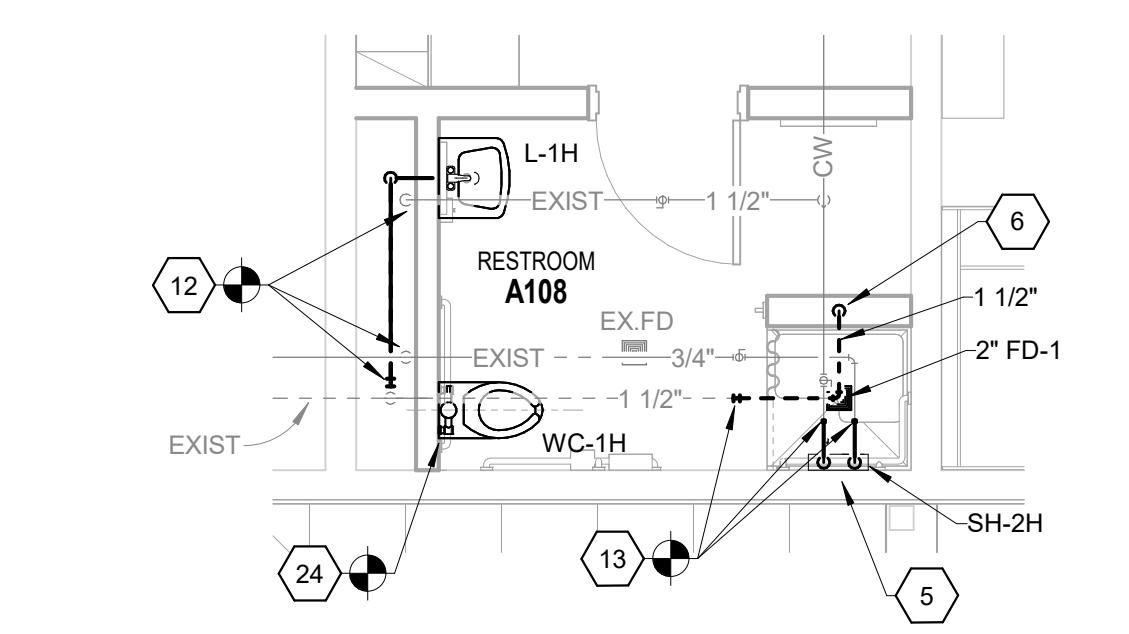
ENLARGED FIRST FLOOR EAST
LOCKER ROOM PLUMBING
PLAN

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



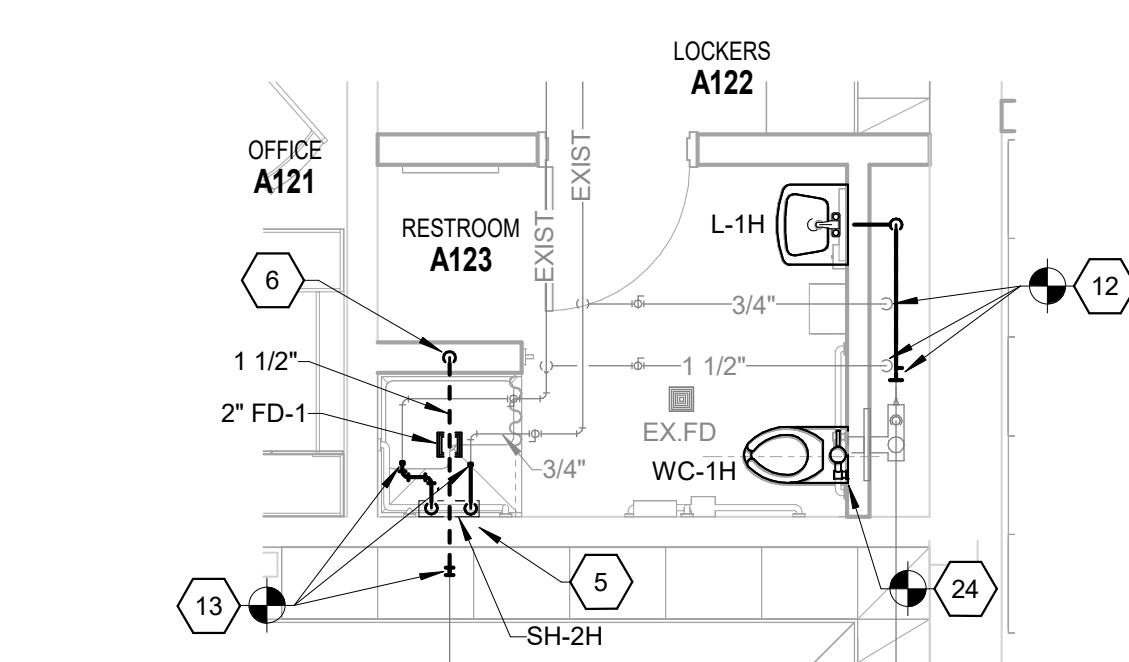
ENLARGED FIRST FLOOR
REF
RESTROOMS A116 & A117
PLUMBING PLAN

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



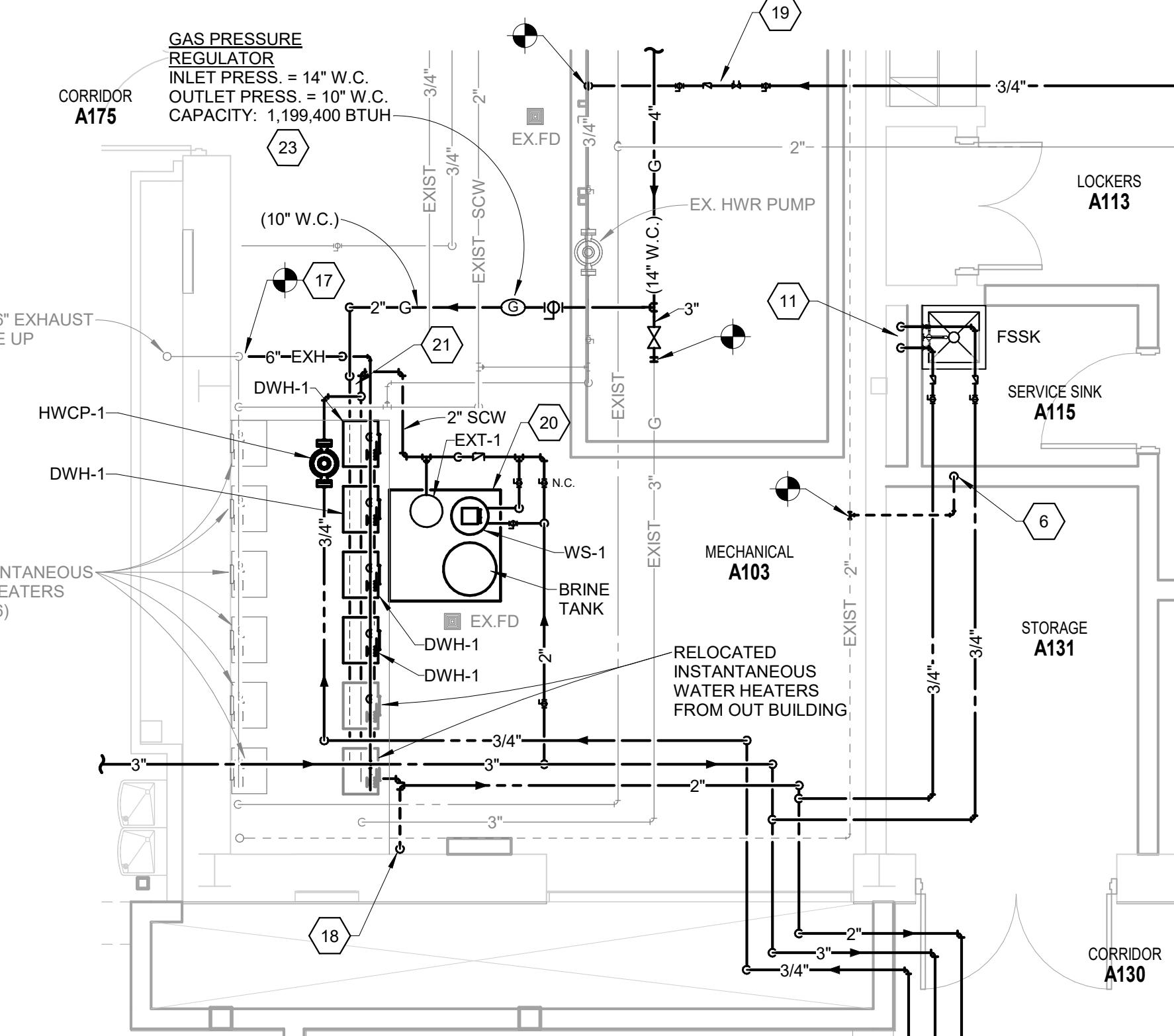
ENLARGED FIRST FLOOR
RESTROOM A108 PLUMBING
PLAN

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



FIRST FLOOR RESTROOM A123
PLUMBING PLAN

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



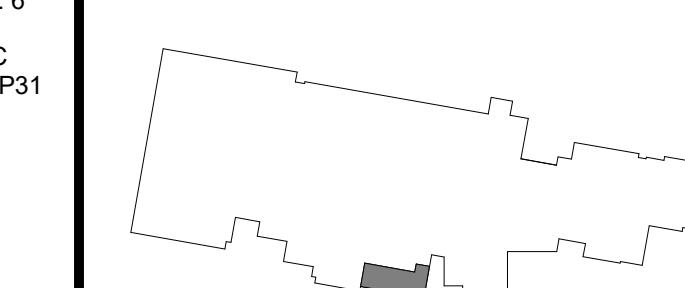
ENLARGED FIRST FLOOR
MECHANICAL ROOM A103
PLUMBING PLAN

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

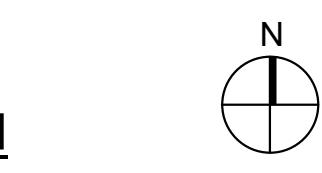
GENERAL CONSTRUCTION NOTE
CONTRACTOR SHALL BE RESPONSIBLE FOR CEILING
REMOVAL AND REPLACEMENT AS REQUIRED
THROUGHOUT EXISTING AREAS TO ACCOMMODATE
NEW CONSTRUCTION INSTALLATIONS. ANY DAMAGE TO THE
CEILING OR CEILING TILE SHALL BE REPLACED BY
THIS CONTRACTOR.

ENLARGED PLUMBING PLAN P41 NOTES

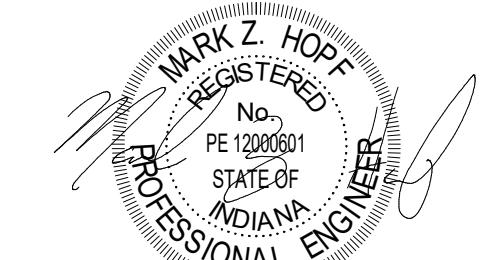
- 1 3/4" HOT AND COLD WATER DOWN TO SHOWER
VALVE. 1 1/2" VENT FROM BELOW, OFFSET
AROUND SHOWER VALVE AND ROUTE TO ABOVE
CEILING.
- 2 1 1/2" COLD WATER DOWN IN CHASE. EXTEND
TO FIXTURES AS REQUIRED. PROVIDE ACCESSIBLE
WATER HAMMER ARRESTER TYPE 'A' AT FLUSH
VALVE CONNECTION. 4" WASTE DOWN TO BELOW
SLAB, 2" VENT UP TO ABOVE CEILING.
- 3 1/2" HOT WATER DOWN IN CHASE. EXTEND TO
LAVATORIES AND MAKE FINAL CONNECTIONS AS
REQUIRED.
- 4 2 1/2" HOT WATER AND 1/2" HOT WATER DOWN
IN CHASE. ROUTE COLD WATER HEADER FULL
SIZE THRU ENTIRE LENGTH OF CHASE. EXTEND
COLD WATER TO FIXTURES AS REQUIRED.
PROVIDE ACCESSIBLE WATER HAMMER
ARRESTERS AND FLUSH VALVE CONNECTION.
EXTEND HOT WATER TO LAVATORIES AS REQUIRED.
- 5 3/4" HOT AND COLD WATER DOWN TO SHOWER
VALVE.
- 6 1 1/2" VENT FROM BELOW SLAB UP TO ABOVE
CEILING.
- 7 3/4" HOT WATER DOWN. EXTEND 1/2" HOT WATER
TO LAVATORIES AND CONNECT AS REQUIRED.
- 8 4" WASTE DOWN TO BELOW SLAB, 2" VENT UP
INTO CHASE.
- 9 6" STORM DOWN TO BELOW SLAB.
- 10 4" WASTE DOWN TO BELOW SLAB, 4" VENT UP
INTO CHASE.
- 11 3/4" HOT AND COLD WATER WITH SHUTOFF
VALVES AND CHECK VALVES IN SUPPLIES DOWN
TO MOP BASIN FAUCET.
- 12 CONNECT 1 1/2" WASTE AND VENT TO EXISTING
WATER AND VENT THRU CHASE AND EXTEND TO
NEW LAVATORY. EXTEND 1/2" HOT AND COLD
WATER FROM EXISTING WATER PIPING WITHIN
CHASE TO NEW LAVATORY. MAKE FINAL
CONNECTIONS AS REQUIRED.
- 13 CONNECT 1 1/2" VENT TO EXISTING VENT AT THIS
LOCATION. CONNECT 3/4" HOT AND COLD WATER
TO EXISTING WATER SUPPLIES AT THIS
LOCATION. FIELD VERIFY EXISTING CONNECTION
POINTS.
- 14 1 1/2" COLD WATER DOWN IN CHASE. EXTEND TO
FIXTURES AS REQUIRED. PROVIDE ACCESSIBLE
WATER HAMMER ARRESTER TYPE 'A' AT FLUSH
VALVE CONNECTION. 4" WASTE DOWN TO BELOW
SLAB, 2" VENT UP TO ABOVE CEILING.
- 15 HOT WATER RETURN BALANCE STATION. SET AT
0.25 GPM. REFER TO DETAIL ON DRAWING P31
FOR MORE INFORMATION.
- 16 3/4" HOT AND COLD WATER DOWN. EXTEND TO
LAVATORIES AS REQUIRED. EXTEND 3/4" COLD
WATER TO EACH WALL HYDRANT.
- 17 CONNECT 6" PVC EXHAUST FLUE HEADER TO
EXISTING EXHAUST FLUE HEADER AT THIS POINT.
PROVIDE OFFSETS AND FITTINGS AS REQUIRED.
- 18 2" 140 DEG. F. HOT WATER UP FROM DOMESTIC
WATER HEATERS.
- 19 HOT WATER RETURN BALANCE STATION. SET AT
2.5 GPM. REFER TO DETAIL ON DRAWING P31
FOR MORE INFORMATION.
- 20 CONCRETE EQUIPMENT PAD. REFER TO
SPECIFICATIONS FOR MORE INFORMATION.
- 21 2" GAS DOWN TO DOMESTIC WATER HEATER GAS
HEADER. PROVIDE SHUTOFF VALVE AND MIN. 6"
DIRT LEG AT END OF GAS HEADER. 3/4" HOT
WATER DOWN TO DOMESTIC WATER HEATER. REFER TO DOMESTIC
WATER HEATER PIPING DETAIL ON DRAWING P31
FOR MORE INFORMATION.
- 22 INSTALL SHUTOFF VALVES IN ACCESSIBLE
CEILING.
- 23 PIPE GAS PRESSURE REGULATOR VENT TO
ATMOSPHERE. TERMINATE WITH WEATHERCAP.
- 24 CONNECT COLD WATER, WASTE AND VENT TO
EXISTING ROUGH-INS AND EXTEND TO NEW
PIPEWORK AS REQUIRED. MAKE ADJUSTMENTS
REQUIRED TO ACCOMMODATE MOUNTING
HEIGHT. CUT WALL TO ACCOMMODATE
INSTALLATION AND PATCH TO MATCH EXISTING
FINISHES.



KEY PLAN



ISSUED FOR BID



PROJECT MANAGER: JM
DRAWN BY: JE
PROJECT NUMBER: 224018.00
PROJECT ISSUE DATE: 01/21/2025

REV. NO. □ DESCRIPTION DATE

VERIFICATION NOTE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND
CLEARANCES AND ALL EXISTING FIELD CONDITIONS
BEFORE STARTING CONSTRUCTION. COMMENCEMENT
OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.
SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED,
CONTACT THE ARCHITECT BEFORE PROCEEDING
WITH WORK.

ENLARGED PLUMBING PLANS

P-41

ZIONSVILLE HS ATHLETIC LOCKER ADDITION

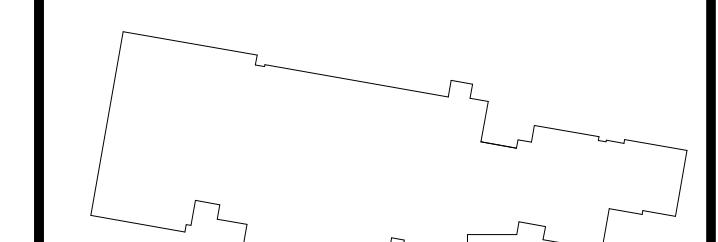
1000 MULBERRY STREET,
ZIONSVILLE, IN 46077

ZIONSVILLE COMMUNITY SCHOOLS



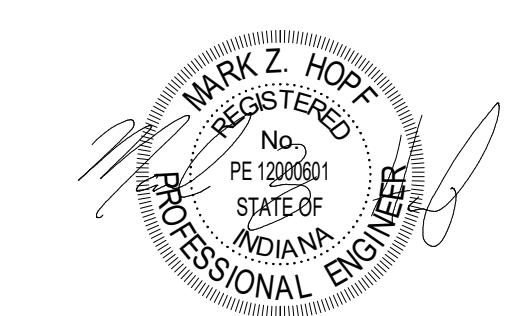
**FANNING
HOWEY**

(800) 452-3573 WWW.FHAI.COM
900 MULBERRY ST. ZIONSVILLE, IN 46077



KEY PLAN

ISSUED FOR BID



PROJECT MANAGER: JM
DRAWN BY: JE
PROJECT NUMBER: 224018.00
PROJECT ISSUE DATE: 01/21/2025

REV. NO. □ DESCRIPTION DATE

GENERAL CONSTRUCTION NOTE
CONTRACTOR SHALL BE RESPONSIBLE FOR CEILING
REMOVAL AND RE-INSTALL AS REQUIRED
THROUGH EXISTING AREAS TO ACCOMMODATE
NEW PIPING INSTALLATIONS. ANY DAMAGE TO THE
CEILING OR CEILING TILE SHALL BE REPLACED BY
THIS CONTRACTOR.

ENLARGED PLUMBING PLAN P42 NOTES

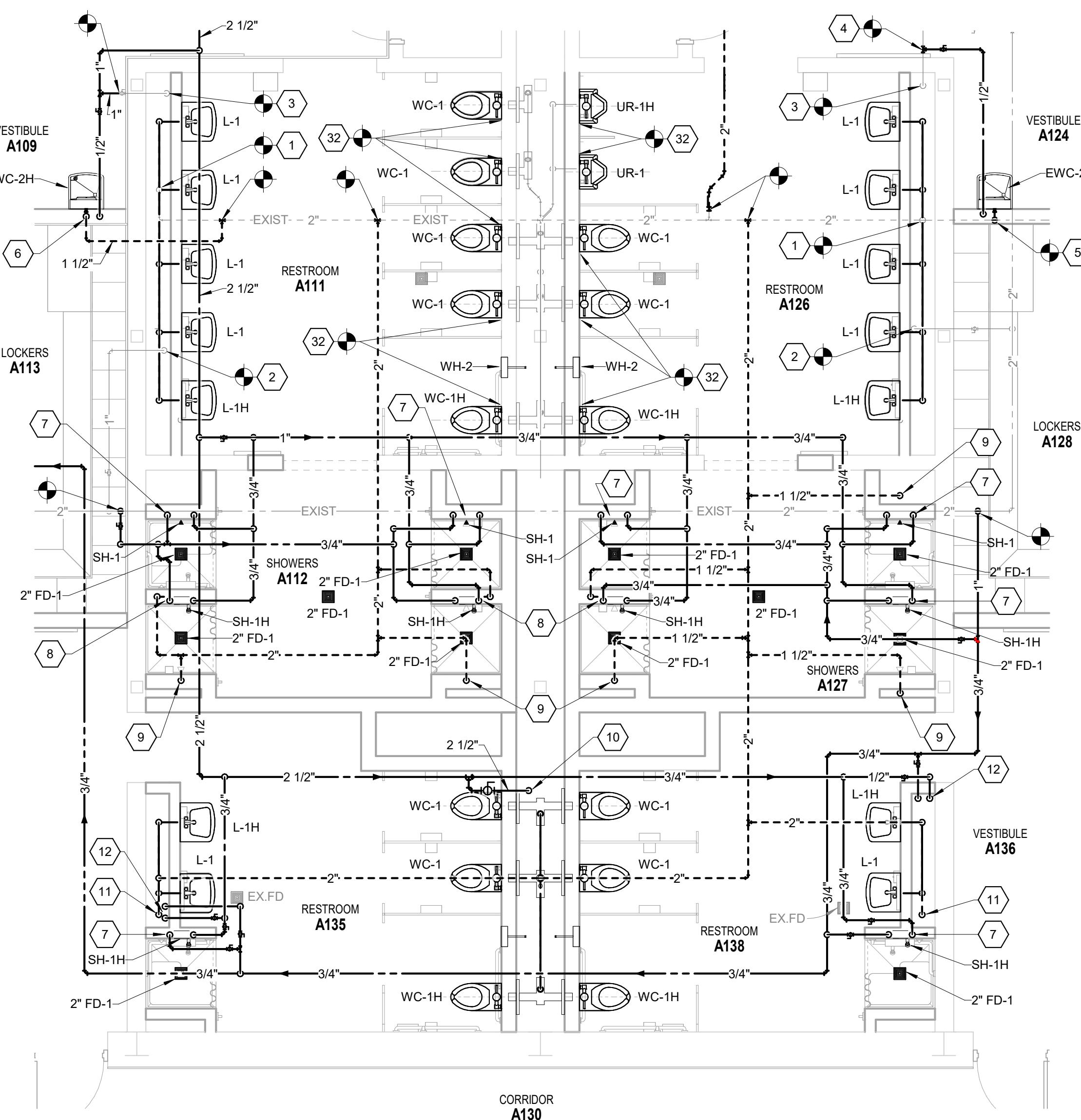
- 1 CONNECT 2" WASTE TO EXISTING WASTE THRU SLAB. CONNECT 2" VENT TO EXISTING VENT RISER WITHIN CHASE.
- 2 CONNECT 3/4" HOT WATER TO EXISTING HOT WATER DROP WITHIN CHASE. EXTEND TO LAVATORIES AND MAKE FINAL CONNECTIONS AS REQUIRED.
- 3 CONNECT 3/4" COLD WATER TO EXISTING COLD WATER DROP WITHIN CHASE. EXTEND TO LAVATORIES AND MAKE FINAL CONNECTIONS AS REQUIRED.
- 4 CONNECT 1/2" COLD WATER TO EXISTING COLD WATER SUPPLY.
- 5 1/2" COLD WATER DOWN. 2" WASTE DOWN TO BELOW SLAB, 1 1/2" VENT UP TO ABOVE CEILING. CONNECT 1 1/2" VENT TO EXISTING VENT ABOVE CEILING.
- 6 1/2" COLD WATER DOWN. 2" WASTE DOWN TO BELOW SLAB, 1 1/2" VENT UP TO ABOVE CEILING.
- 7 3/4" HOT AND COLD WATER DOWN TO SHOWER VALVE.
- 8 3/4" HOT AND COLD WATER DOWN TO SHOWER VALVE. 1 1/2" VENT FROM BELOW SLAB. OFFSET AROUND SHOWER VALVE AND ROUTE TO ABOVE CEILING.
- 9 1 1/2" VENT FROM BELOW SLAB UP TO ABOVE CEILING.
- 10 2 1/2" COLD WATER DOWN IN CHASE. ROUTE PLENTY FULL LENGTH OF CHASE. EXTEND COLD WATER TO FIXTURES AS REQUIRED. PROVIDE ACCESSIBLE WATER HAMMER ARRESTOR TYPE 'C' AT LAST FLUSH VALVE CONNECTION.
- 11 1 1/2" VENT FROM BELOW SLAB UP INTO CHASE.
- 12 1/2" HOT AND COLD WATER DOWN IN CHASE. EXTEND TO LAVATORIES AND MAKE FINAL CONNECTIONS AS REQUIRED.
- 13 1" HOT AND COLD WATER DOWN TO HYDROTHERAPY TUB THERMOSTATIC MIXING VALVE. PROVIDE SHUTOFF VALVES AND CHECK VALVES IN SUPPLIES. MOUNT TMV AT 48° F.F. TO THERAPY TUB. PROVIDE 27° HEAT TRAP ON HOT WATER SUPPLY TO TMV.
- 14 ROUTE DRAIN FROM HYDROTHERAPY TUB DRAIN OUTLET TO TRENCH DRAIN.
- 15 CONNECT 4" STORM TO EXISTING STORM MAIN AT THIS POINT.
- 16 6" STORM DOWN TO EXISTING 6" STORM THRU SLAB. MAKE CONNECTION AS REQUIRED. PROVIDE ACCESSIBLE CLEANOUT AT BASE OF RISER.
- 17 4" WASTE DOWN TO BELOW SLAB.
- 18 1/2" COLD WATER DOWN TO WALL-MOUNTED WATER FILTRATION SYSTEM. EXTEND WATER LINE FROM FILTER TO FIXTURE. CONNECTION IS REQUIRED. TERMINATE INDIRECT WASTE OVER FLOOR DRAIN WITH AIR GAP.
- 19 3/4" HOT AND COLD WATER DOWN. 2" WASTE DOWN TO BELOW SLAB, 1 1/2" VENT UP TO ABOVE CEILING.
- 20 2" WASTE WITH DEEP SEAL P-TRAP FROM FLOOR DRAIN ABOVE.
- 21 2" WASTE WITH DEEP SEAL P-TRAP FROM SHOWER DRAIN ABOVE.
- 22 1 1/2" VENT UP TO FLOOR ABOVE.
- 23 1 1/2" COLD WATER UP TO FLOOR ABOVE.
- 24 3/4" HOT WATER UP TO FLOOR ABOVE.
- 25 4" WASTE FROM ABOVE.
- 26 1 1/2" COLD WATER FROM BELOW UP INTO CHASE. EXTEND TO FIXTURE AS REQUIRED. PROVIDE ACCESSIBLE WATER HAMMER ARRESTOR TYPE 'B' AT FLUSH VALVE CONNECTION.
- 27 4" WASTE DOWN TO FLOOR BELOW, 2" VENT UP TO ABOVE CEILING.
- 28 3/4" HOT WATER FROM FLOOR BELOW UP INTO CHASE. EXTEND TO LAVATORY AS REQUIRED. 3/4" HOT AND COLD WATER FROM CHASE UP TO ABOVE CEILING.
- 29 1 1/2" VENT FROM FLOOR BELOW UP INTO CHASE.
- 30 3" WASTE DOWN INTO CHASE. ROUTE HORIZONTALLY WITHIN CHASE AND CONNECT TO WATER CLOSET CARRIER.
- 31 3" WASTE WITH DEEP SEAL P-TRAP FROM FLOOR DRAIN ABOVE.
- 32 CONNECT COLD WATER, WASTE AND VENT TO EXISTING ROUGH-INS AND EXTEND TO NEW FIXTURE. ADJUST SUPPORT CARRIER AS REQUIRED TO ACCOMMODATE MOUNTING HEIGHT.

VERIFICATION NOTE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.
SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

ENLARGED PLUMBING PLANS

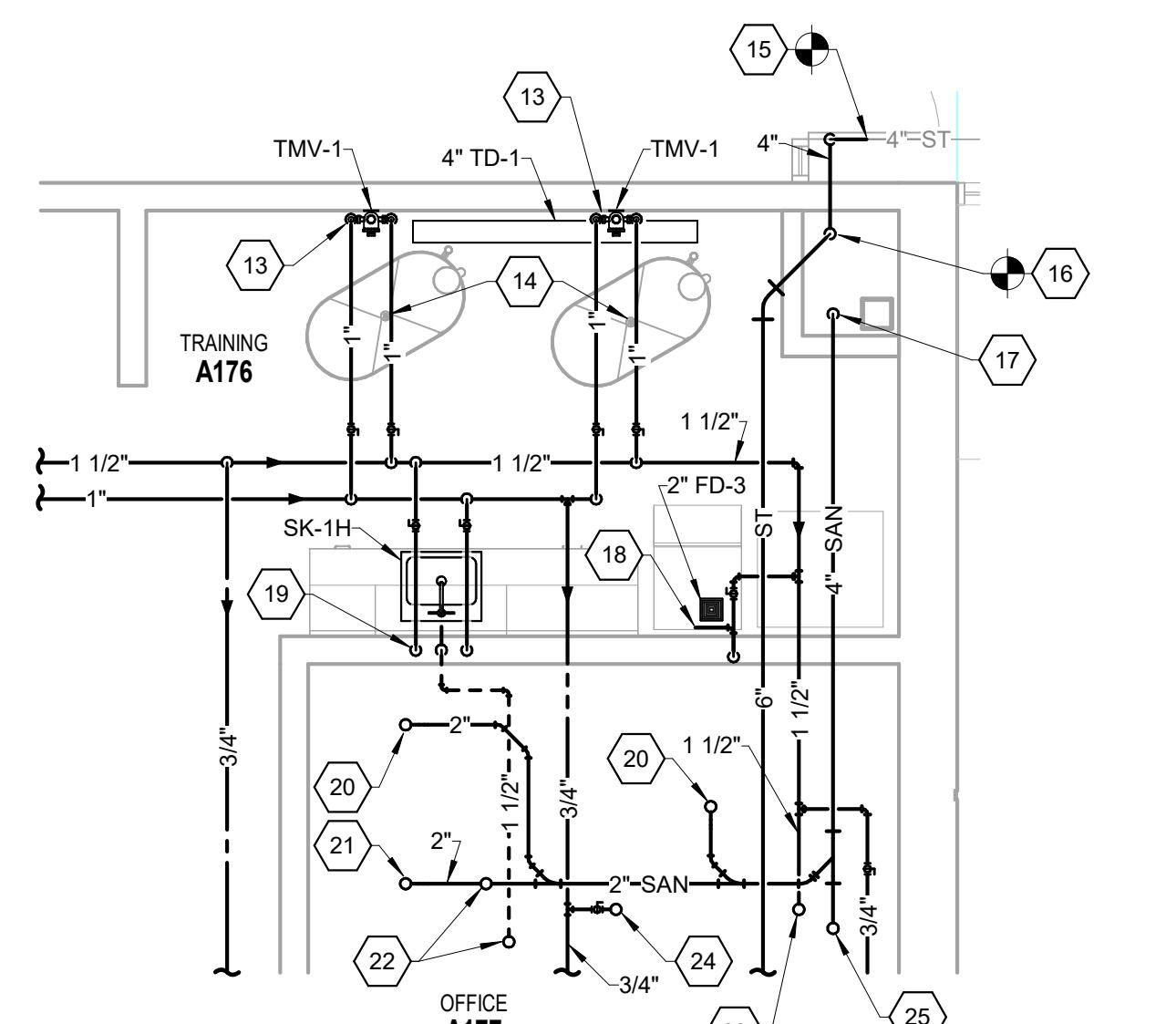
P-42



FIRST FLOOR ENLARGED
CENTRAL RENOVATED
RESTROOMS PLUMBING PLAN

1

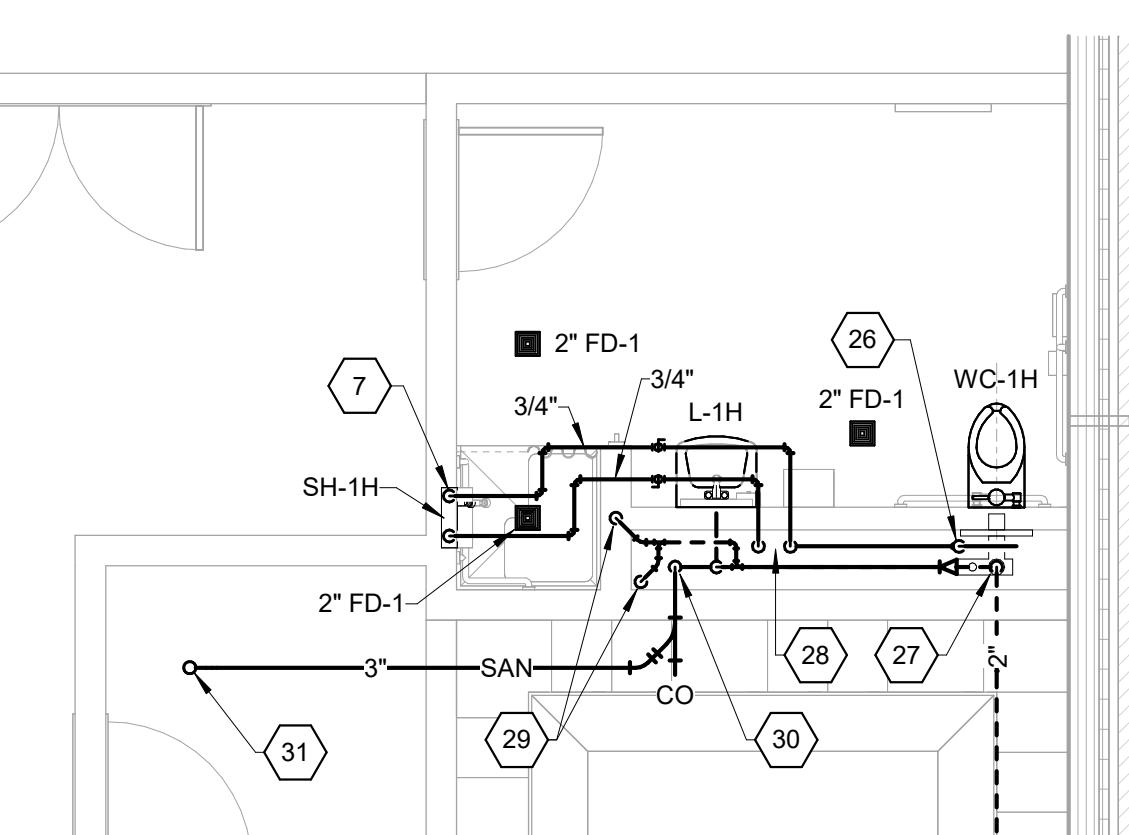
SCALE: 1/4" = 1'-0"



FIRST FLOOR ENLARGED
TRAINING ROOM PLUMBING
PLAN

2

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



SECOND FLOOR ENLARGED
RESTROOM PLUMBING PLAN

3

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

**ZIONSVILLE
COMMUNITY HIGH
SCHOOL.
ATHLETIC LOCKER
ROOMS ADDITION
AND RENOVATION.**

1000 MULBERRY STREET,
ZIONSVILLE, IN 46077

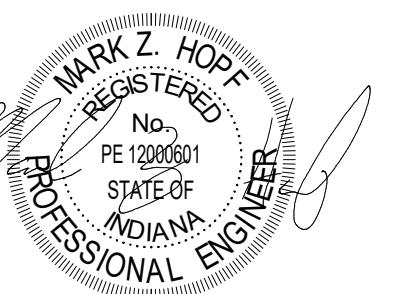
**ZIONSVILLE COMMUNITY
SCHOOLS**



**FANNING
HOWEY**

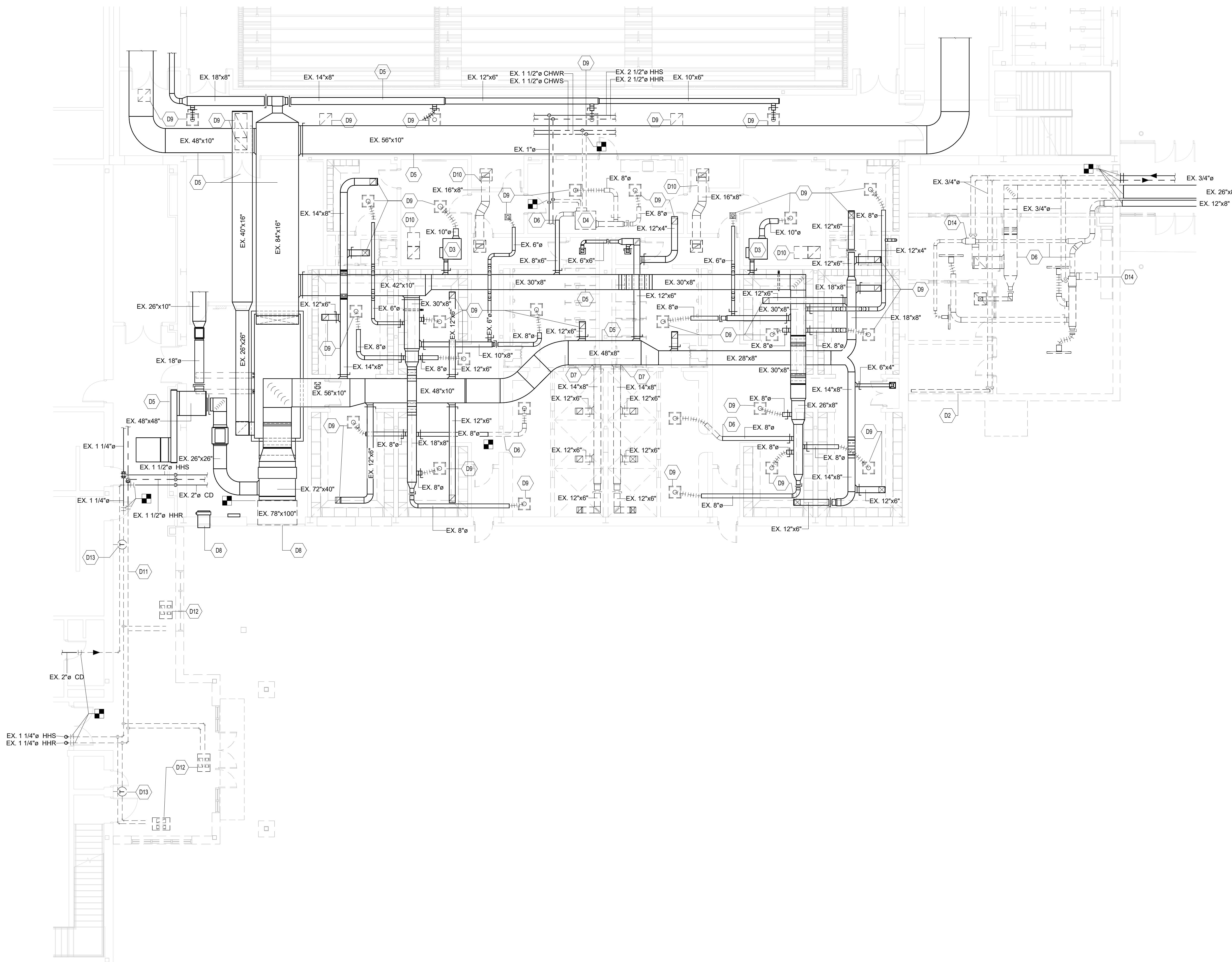
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KEY PLAN



PROJECT MANAGER: JM
DRAWN BY: DJA
PROJECT NUMBER: 224018.00
PROJECT ISSUE DATE: 01/21/2025

REV. NO. □ DESCRIPTION DATE



FIRST FLOOR DEMOLITION PLAN

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

MECHANICAL DEMOLITION PLAN GENERAL NOTES

A. THE DIVISION 23 CONTRACTOR SHALL VISIT THE PROJECT AND DETERMINE THE EXACT EXTENT OF THE DEMOLITION WORK REQUIRED BEFORE BIDDING THE PROJECT.
B. WHERE BUILDING SURFACES ARE DAMAGED BY THE EXISTING DUCTWORK, THE CONTRACTOR SHALL BE REQUIRED TO MATCH THE ADJACENT SURFACES BY THIS CONTRACTOR.
C. EXISTING OPENINGS WHICH ARE TO BE REUSED SHALL NOT BE REMOVED AND SHALL BE MODIFIED OR ENLARGED AS REQUIRED TO SUIT THE NEW SYSTEMS. PROVIDE ALL REQUIRED CUTTING AND PATCHING TO MATCH ADJACENT SURFACES.
D. IF ASBESTOS IS PRESENT CONTACT THE CONSTRUCTION MANAGER FOR WRITTEN DIRECTIONS AND HARMLESS UNDER SEPARATE CONTRACT BY THE OWNER.
E. THE OWNER SHALL HAVE THE RIGHT TO CLAIM ANY MATERIALS THAT ARE BEING DEMOLISHED PRIOR TO THE CONTRACTOR DEMOLITION OF THE OFF SITE CONSTRUCTION. THE OWNER IS REQUIRED TO VERIFY THAT THE OWNER DOES NOT WANT TO CLAIM AN ITEM BEFORE DISPOSING THEM OFF SITE.
F. ALL FLOOR, WALL AND ROOF CUTTING WORK TO BE DONE BY THE 23-HVAC CONTRACTOR UNLESS OTHERWISE NOTED. PATCH ALL FLOOR, WALL AND ROOF OPENINGS THAT ARE NOT REUSED TO MATCH ADJACENT CONSTRUCTION.
G. THE CONTRACTOR IS RESPONSIBLE TO REMOVE EXISTING CEILINGS TO WORK ABOVE THE CEILINGS AND REINSTALL THOSE CEILINGS AFTER COMPLETION OF WORK. IF ANY CEILING PADS OR GRIDS ARE DAMAGED, THIS CONTRACTOR IS RESPONSIBLE TO REPAIR THEM.
H. ALL MECHANICAL DUCTWORK, EQUIPMENT, ACCESSORIES, ETC. SHALL REMAIN UNLESS OTHERWISE NOTED.
I. ANY ITEMS REMOVED DURING CONSTRUCTION THAT WILL NOT BE REPLACED MUST BE DISPOSED OF OFF SITE.

MECHANICAL DEMOLITION PLAN NOTES
(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

NO. DESCRIPTION

D2 EXISTING FINNED-TUBE TO BE REMOVED. REMOVE PIPING BACK TO THE MAIN AND CAP WATER-TIGHT. DISPOSE OF ALL MATERIAL OFF SITE.
D3 EXISTING FAN COIL UNIT TO REMAIN IN PLACE UNLESS OTHERWISE NOTED. INSTALL NEW FILTERS AND CLEAN THE INSIDE OF THE UNITS TO ENSURE PROPER OPERATION.
D4 EXISTING FAN COIL UNIT, SUPPORTS, CONTROLS AND ACCESSORIES TO BE REMOVED. DISPOSE OF ALL MATERIAL OFF SITE. EXISTING PIPING TO BE DISCONNECTED FROM THE FAN COIL UNIT AND REMOVED BACK TO THE POINT INDICATED. CAP WATER-TIGHT.
D5 EXISTING DUCTWORK TO REMAIN.
D6 EXISTING DUCTWORK TO BE REMOVED BACK TO POINT INDICATED. DISPOSE OF ALL MATERIAL OFF SITE. PREPARE EXISTING DUCTWORK FOR CONNECTION TO NEW DUCTWORK. REFER TO NEW WORK PLAN.
D7 EXISTING DUCTWORK TO BE REMOVED BACK TO THE MAIN DUCTWORK. DISPOSE OF ALL MATERIAL OFF SITE.
D8 EXISTING COVER TO BE REMOVED ALONG WITH ALL DUCTWORK BACK TO POINT INDICATED. DISPOSE OF ALL MATERIAL OFF SITE. PREPARE EXISTING DUCTWORK FOR CONNECTION TO NEW DUCTWORK. REFER TO NEW WORK PLAN.
D9 EXISTING DUCTWORK AND GRILLES SHALL BE REMOVED. REMOVE ANY EXISTING FLEX DUCTWORK. DISPOSE OF ALL MATERIAL OFF SITE.
D10 EXISTING THERMOSTAT AND DUCTWORK SHALL BE REMOVED. DISPOSE OF MATERIAL OFF SITE.
D11 REMOVE EXISTING PIPING BACK TO THE POINT INDICATED. REFER TO THE NEW WORK PLAN FOR CONNECTION OF PIPING. DISPOSE OF MATERIAL OFF SITE.
D12 EXISTING MECHANICAL EQUIPMENT TO BE REMOVED AND DISPOSED OF. REMOVE EXISTING PIPING BACK TO THE MAIN AND CAP WATER-TIGHT. REMOVE EXISTING STRUCTURAL SUPPORTS IN THEIR ENTIRETY.
D13 DISCONNECT AND REMOVE EXISTING THERMOSTAT AND ALL EXISTING COOLING EQUIPMENT ETC.
D14 DISCONNECT AND STORE EXISTING VARIABLE VOLUME TERMINAL FOR FUTURE REINSTALLATION. ALL EXISTING DUCTWORK TO BE DISCONNECTED AND REMOVED BACK TO POINT INDICATED. REMOVE EXISTING PIPING BACK TO THE POINT INDICATED. REFER TO THE NEW WORK PLAN FOR CONNECTION OF PIPING. DISPOSE OF ALL MATERIALS OFF SITE.

VERIFICATION NOTE
CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.
SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

FIRST FLOOR DEMOLITION PLAN
MD-11

**ZIONSVILLE
COMMUNITY HIGH
SCHOOL.
ATHLETIC LOCKER
ROOMS ADDITION
AND RENOVATION.**

1000 MULBERRY STREET,
ZIONSVILLE, IN 46077

**ZIONSVILLE COMMUNITY
SCHOOLS**



ZIONSVILLE
COMMUNITY SCHOOLS

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KEY PLAN

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PROJECT MANAGER: JM
DRAWN BY: DJA
PROJECT NUMBER: 224018.00
PROJECT ISSUE DATE: 01/21/2025

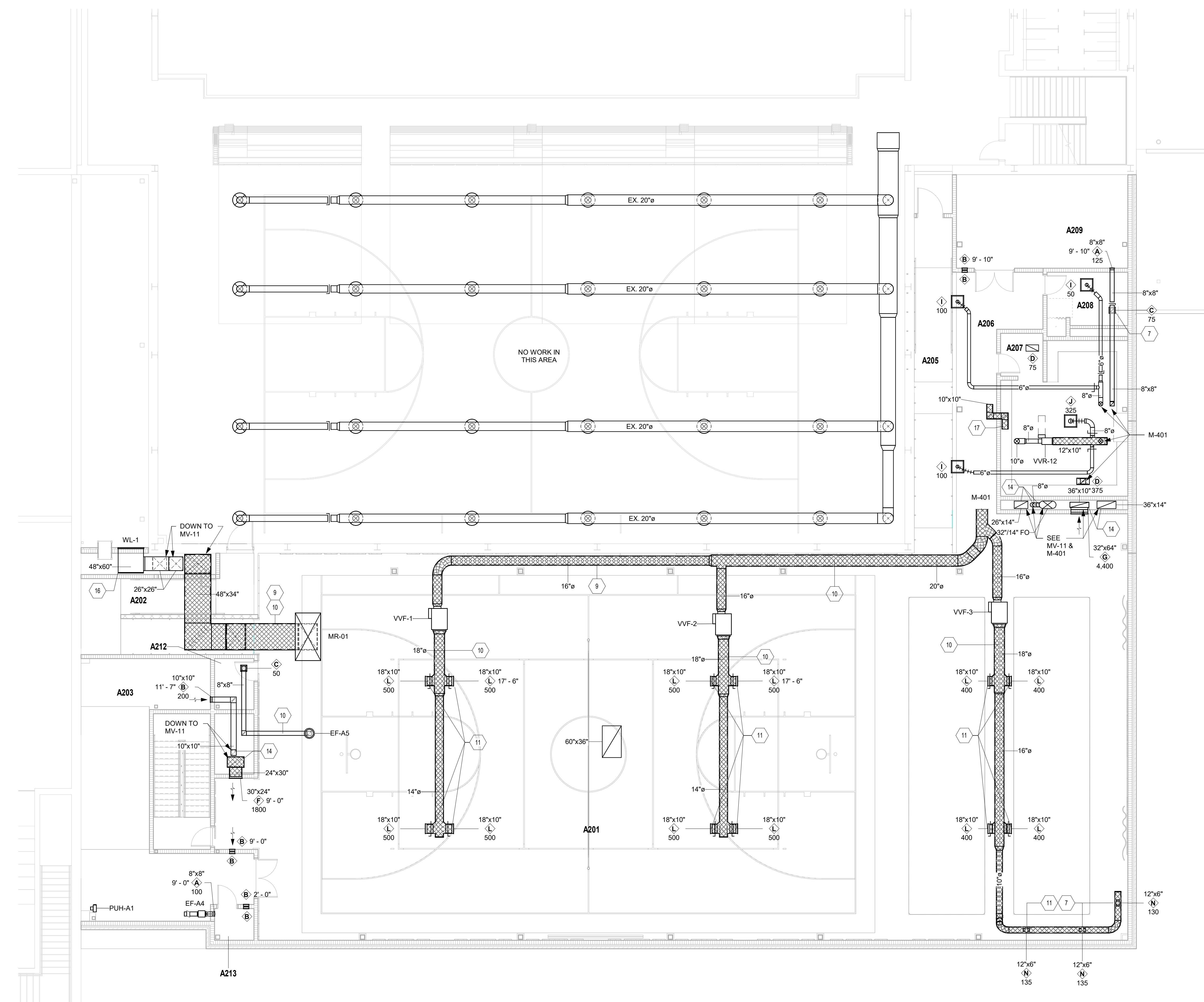
REV. NO.	DESCRIPTION	DATE

VENTILATION PLAN GENERAL NOTES

A. ALL DUCTWORK, PIPING AND VALVES SHALL BE CONCEALED ABOVE THE CEILING AND WITHIN WALLS, UNLESS OTHERWISE NOTED.
B. REFER TO THE SPECIFICATIONS FOR REQUIREMENTS FOR EQUIPMENT QUALITY, CONSTRUCTION AND FINISH OF MATERIALS.
C. ARRANGE DUCTWORK, PIPING, ETC. TO ALLOW FOR EASY ACCESS TO COILS, VALVES, DAMPERS AND CONTROLS. KEEP COILS ASSEMBLED TO ACCESS PANELS FREE AND CLEAR OF ANY OBSTRUCTIONS.
D. SEAL DUCT PENETRATIONS THROUGH THE FLOOR AND/OR WALLS IN ACCORDANCE WITH MECHANICAL CODE AND SMACNA REQUIREMENTS. USE DUCTS AND INSULATIONS THROUGH FIRE RATED FLOORS AND/OR WALLS WITH A MATERIAL HAVING SAME FIRE RATING AS THE WALL AND/OR FLOOR.
E. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR HIS RESPECTIVE WORK FOR REPAIRING AND PATCHING TO MATCH EXISTING SURFACES. SIDEWALKS, STREETS, FLOORS, WALLS, ROOFS, CEILINGS AND PAVEMENT.
F. ALL RECTANGULAR SHEET METAL DUCT SIZES SHOWN ARE INSIDE DIMENSIONS. ALL ROUND DUCT SIZES SHOWN ARE INSIDE DIAMETERS.
G. PROVIDE BALANCING DAMPER AT EACH DUCT BRANCH SERVING DIFFUSER, GRILLE AND REGISTER.
H. PROVIDE COORDINATE FOR TEMPERATURE SENSORS, HUMIDISTAT, ETC. 4'4" ABOVE THE FINISH FLOOR IN ACCORDANCE WITH ADA REQUIREMENTS.
I. COORDINATE ALL REQUIRED WALL, ROOF AND FLOOR COORDINATE (ALL DIMENSIONS AND LOCATIONS) WITH ALL OTHER TRADES.
J. COORDINATE MECHANICAL SYSTEM INSTALLATION WITH STRUCTURE, FIRE PROTECTION AND LIGHTING LAYOUT.
K. PROVIDE COORDINATE TRANSITIONS TO EQUIPMENT FROM SIZES SHOWN ON PLAN.
L. ALL RETURN/EXHAUST AIR DUCT ABOVE LOCKERS/SHOWER AREAS SHALL BE MADE OF ALUMINUM IN ACCORDANCE WITH SMACNA REQUIREMENTS.

VENTILATION PLAN NOTES
(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

NO.	DESCRIPTION
7	PROVIDE DAMPER IN VERTICAL DUCTWORK TO GRILLE.
9	DOUBLE-WALL DUCTWORK REFER TO SPECIFICATIONS.
10	PAINT DUCTWORK TO COLOR SELECTED BY THE ARCHITECT. PROVIDE PAINT ADHESIVE TO DUCTWORK TO ENSURE PAINT ADHERES TO DUCTWORK.
11	PAINT AIR DEVICES TO COLOR SELECTED BY ARCHITECT.
14	DUCT ROUTED DOWN TO FLOOR BELOW. COORDINATE WITH STRUCTURAL STEEL IN AREA. PROVIDE FIRE DAMPER IN FLOOR DUCT.
16	WHOLE COMBUSTION AIR DUCTWORK WITH INSULATION FROM EXTERIOR WALL LOUVER TO WALL LOUVER FOUND IN MECHANICAL ROOM A103.
17	AIR TRANSFER WALL OPENING LOCATED ABOVE THE CEILING. COORDINATE EXACT LOCATION WITH ALL TRADES

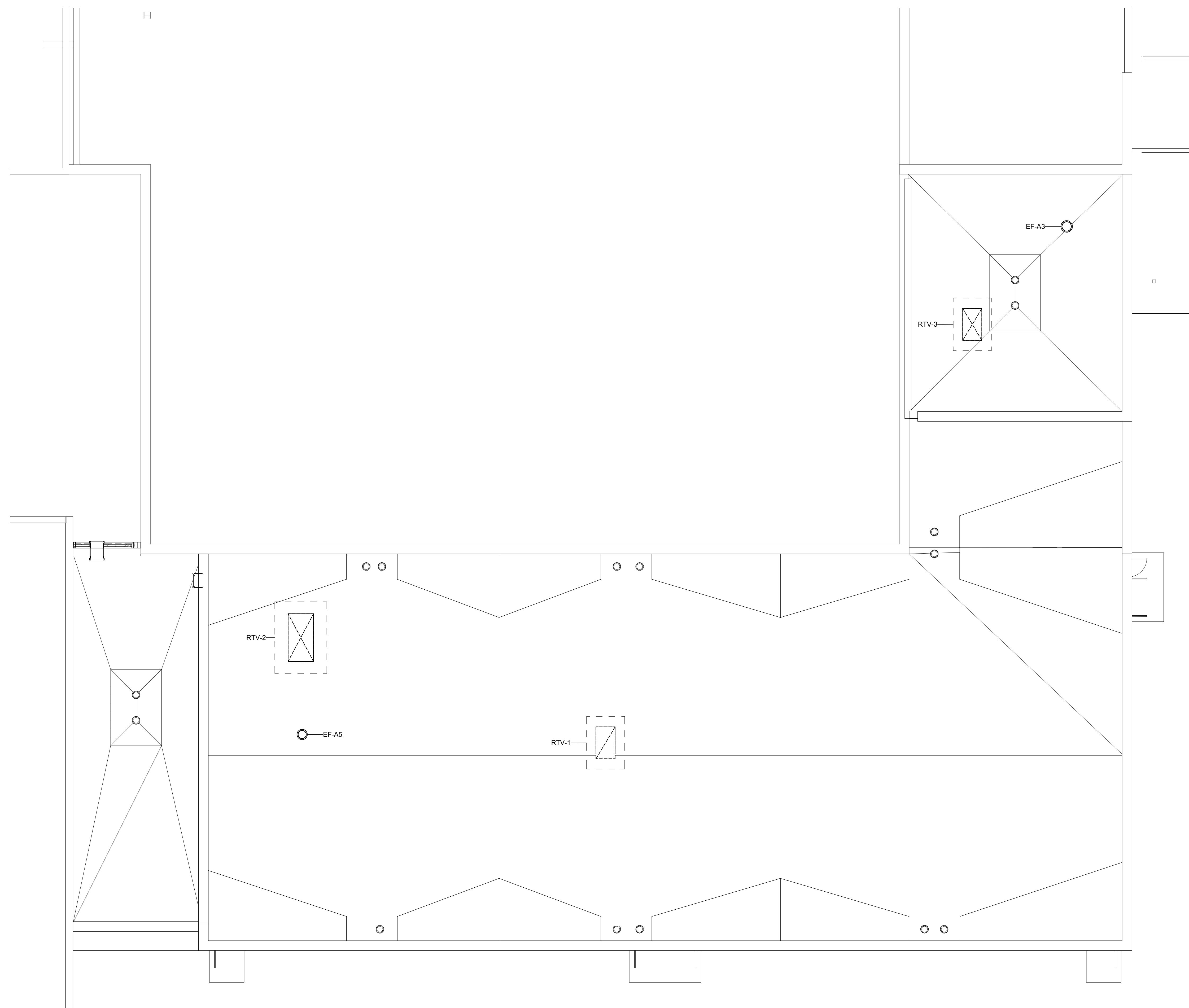


SECOND FLOOR VENTILATION PLAN

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

VERIFICATION NOTE
CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.
SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

MV-21



MECHANICAL MEZZ ROOF

SCALE: 1/8" = 1'

MECHANICAL ROOF PLAN GENERAL NOTES

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ZIONSVILLE COMMUNITY HIGH SCHOOL. ATHLETIC LOCKER ROOMS ADDITION AND RENOVATION.

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CHANICAL ROOF PLAN NOTES

D. DESCRIPTION

ZIONSVILLE COMMUNITY SCHOOLS



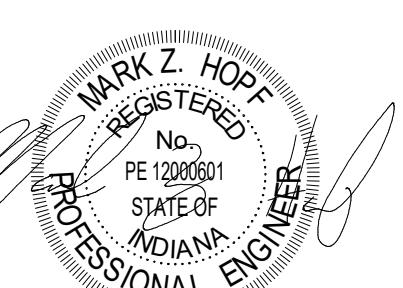
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KEY PLAN



PROJECT MANAGER: JM
DRAWN BY: DJA
PROJECT NUMBER: 224018.00
PROJECT ISSUE DATE: 01/21/2025

REV. NO. 1 EDITION NO. 1 DATE 1/1/00

NO.△	DESCRIPTION	DATE
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MECHANICAL ROOF PLAN

IFICATION NOTE
CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES
TO ALL EXISTING FIELD CONDITIONS BEFORE STARTING
INSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES
ACCEPTANCE OF CONDITIONS.

MR-01

**ZIONSVILLE
COMMUNITY HIGH
SCHOOL.
ATHLETIC LOCKER
ROOMS ADDITION
AND RENOVATION.**

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KEY PLAN

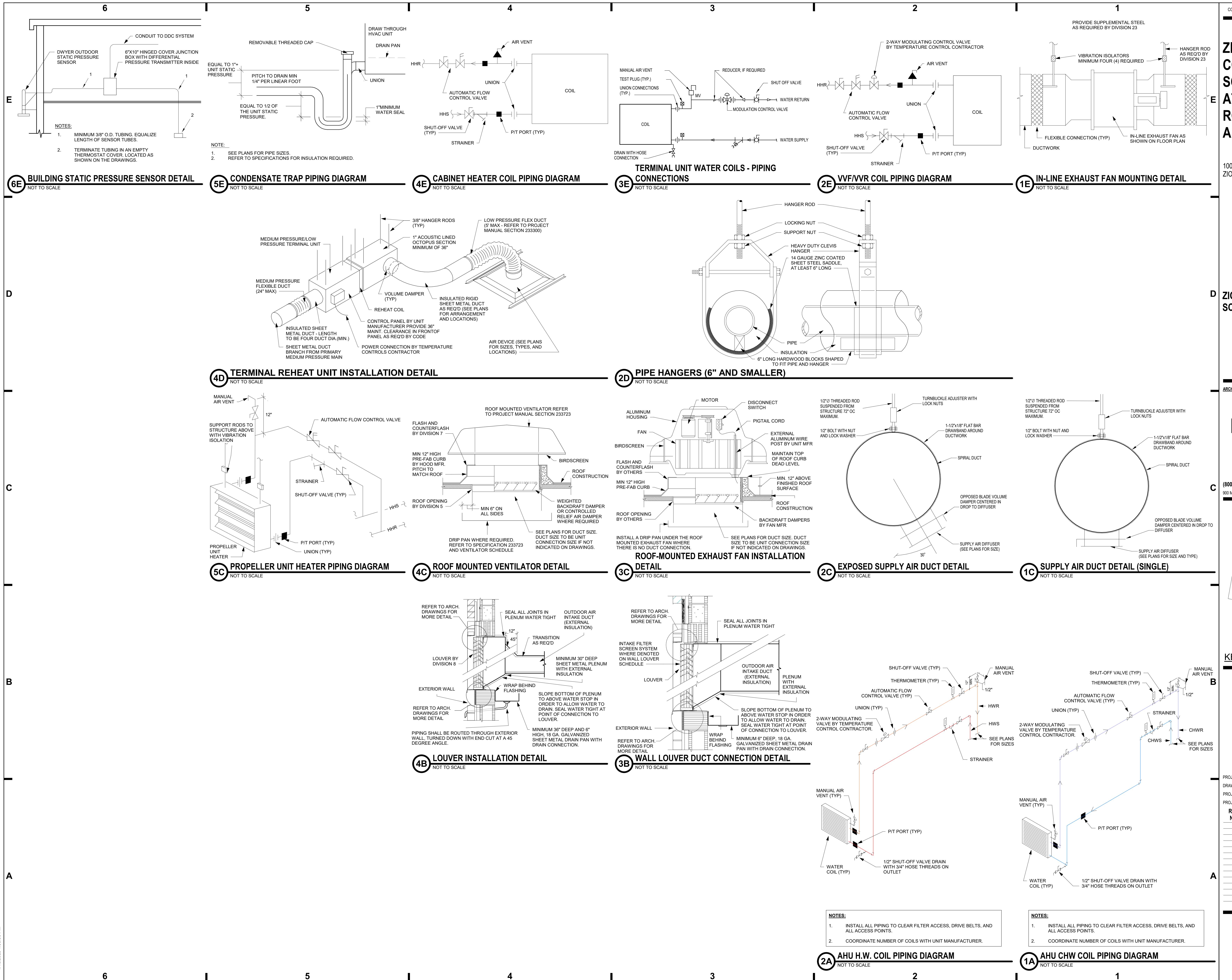
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PROJECT MANAGER: JM
DRAWN BY: DJA
PROJECT NUMBER: 224018.00
PROJECT ISSUE DATE: 01/21/2025

REV. NO. □ DESCRIPTION DATE

MECHANICAL DETAILS

M5-01

ELECTRICAL ABBREVIATIONS

ABBREVIATIONS USED ON THE CONTRACT DOCUMENTS, INCLUDE BUT ARE NOT LIMITED TO THOSE LISTED BELOW

#	NPIW	NUMBER OF POLES, NUMBER OF WIRES
ACU	AIR CONDITIONING UNIT	
AF	AMP FRAME	
AFC	ABOVE FINISHED COUNTERTOP	
AFF	ABOVE FINISHED FLOOR	
AGF	ABOVE FINISHED GRADE	
AHU	AIR HANDLER UNIT	
AMC	AMBIENT MONITORING CAPACITY	
AID	ADDRESSABLE INTERFACE DEVICE	
AR	AS REQUIRED	
AT	AMP TRIM	
ATS	VARIABLE TRANSFER SWITCH	
AWG	AMERICAN WIRE GAUGE	
A/V	AUDIO VISUAL	
B	BLANK	
BPS	BOLTED-PRESSURE CONTACT SWITCH	
C	CONDUIT (GENERIC TERM FOR RACEWAY, PROVIDE AS SPECIFIED)	
Cd	CANDLE	
CLG	CEILING MOUNTED	
CLM	CEILING MOUNTED	
COL	COLUMN	
CMF	COMBINATION MOTOR FUSIBLE STARTER	
CUH	CABINET UNIT HEATER	
D	DEMANDABLE	
DC	DIRECT CURRENT	
DED	DEDICATED DEVICE ON INDIVIDUAL BRANCH CIRCUIT	
DF	DUAL FACE	
DIA	DIA	
DISTR	DISTRIBUTION	
DPST	DOUBLE POLE SINGLE THROW	
DPDT	DOUBLE POLE DOUBLE THROW	
DT	DUST-TIGHT	
EBJ	EQUIPMENT BONDING JUMPER ON LOAD SIDE OF AN OVER-CURRENT DEVICE	
EC	ELECTRICAL CONTRACTOR	
EM	WIRING IN EMERGENCY CIRCUIT	
ENL	END OF LINE	
ETR	EXISTING TO REMAIN	
EWC	ELECTRIC WATER COOLER	
EX	EXISTING	
F	FLUSH	
F@	FAN ALARM	
FBO	FURNISHED BY OTHERS	
FCU	FAN COL UNIT	
FDN	FOUNDATION	
FPS	FLAME PROTECTED BOX	
FRE	FIBERGLASS REINFORCED EPOXY CONDUIT	
FS	FLOW SWITCH	
H-O-A	HAND-OFF-AUTO	
HTP	HEAT PUMP	
KEC	KITCHEN EQUIPMENT CONTRACTOR	
K/O	KNOCK-OUT	
LFC	LIGHTDuct FLEXIBLE METALLIC CONDUIT	
LNC	LIGHTDuct FLEXIBLE NONMETALLIC CONDUIT	
LS	LONG TIME, SHORT TIME, INSTANTANEOUS AND GROUND FAULT TRIP ADJUSTMENTS TO BE PROVIDED ON A CIRCUIT BREAKER	
LV	MASTER ANTENNA TV	
MBJ	MAIN BONDING JUMPER	
MC/ER	MAIN CROSS-CONNECT/EQUIPMENT ROOM	
MCB	MAIN CIRCUIT BREAKER	
MCC	MAIN CONTROL CENTER	
MDP	MAIN DISTRIBUTION PANEL	
M.H.	MAIN HALL	
MH	MAIN HALL	
MLO	MAIN LUGS ONLY	
MOD	MOTOR OPERATED DISCONNECT SWITCH	
MOPC	MAXIMUM OVER-CURRENT PROTECTION	
MSP	MOTOR STARTER	
MSC	MOTOR STARTER CENTER	
MTD	MOUNTED	
MTO	MOUNTED	
MTS	MANUAL TRANSFER SWITCH	
MV	MEDIUM VOLTAGE	
MZU	MULTI-ZONE HVAC UNIT	
N	GROUNDED CIRCUIT CONDUCTOR (NEUTRAL)	
+N	INDICATES MOUNTING HEIGHT (IN) TO BE PROVIDED FROM FLOOR, UNO	
NA	NOT APPLICABLE	
NC	NORMALLY CLOSED	
NFS	NONFUSIBLE SWITCH	
NC	NONCONTACT	
NL	NIGHT LIGHT	
NM	NOMETALLIC SHEATHED CABLE	
NO	NORMALLY OPEN	
NRTL	NATIONALLY RECOGNIZED TESTING LAB	
NTS	NOT TO SCALE	
OC	ON CENTER	
OPCD	OVER-CURRENT PROTECTIVE DEVICE	
PA	PUBLIC ADDRESS SYSTEM	
PB	PNEUMATIC	
PE	PNEUMATIC/ELECTRIC	
PH	PROPELLER HEATER	
PIV	POST INDICATING VALVE	
PR	PAIR	
PUH	PROPELLER UNIT HEATER	
R	RELEASE	
RAF	REINFORCED AIR FAN	
RT	RATE/TIGHT	
RVS	REDUCE VOLTAGE STARTER	
S	SURFACE	
SBJ	SYSTEM BONDING JUMPER	
SIG	SIGNAL	
SN	SPARE NEUTRAL	
SP	SPARE	
SPL	SPICE	
SPDT	SINGLE POLAR DOUBLE THROW	
SPST	SINGLE POLAR SINGLE THROW	
SS	STAINLESS STEEL	
SSBJ	SUPPLY-SIDE BONDING JUMPER	
ST	SPARE	
STP	SHIELDED TWISTED PAIR	
STL	CARBON STEEL	
SUSP	SUSPENDED	
SW	SWITCH	
SWBD	SWITCHBOARD	
TC	TELEPHONE CABINET	
TCP	TEMPERATURE CONTROL PANEL	
TEL/DATA	TELEPHONE/DATA	
TEL	TELEPHONE	
TGB	TELECOMMUNICATIONS GROUNDING BUSBAR	
TMB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR	
TTB	TELEPHONE TERMINATION BOARD	
UEF	UTILITY EXHAUST FAN	
UG	UNDERGROUND	
UNO	UNLESS NOTED OTHERWISE	
UV	UNIT VENTILATOR	
VG	VANDAL GUARD	
VIF	VERIFY IN FIELD	
VT	VAPOR-TIGHT	
WG	WIRE GUARD	
WH	WATER HEATER	
WM	WALL MOUNTED	
WP	WEATHERPROOF	
WT	WATER-TIGHT	

POWER SYMBOLS

SYMBOL	DESCRIPTION	HEIGHT TO BOTTOM
	CONDUIT CONCEALED ABOVE CEILING OR IN WALL	
	CONDUIT CONCEALED IN OR BELOW FLOOR, OR UNDER GROUND	

POWER SYMBOLS

SYMBOL	DESCRIPTION	MH
	DISTRIBUTION PANEL, SEE ONE LINE DIAGRAM	-
	SURFACE CIRCUIT BREAKER PANELBOARD, SEE ONE LINE DIAGRAM	-

LIGHTING SYMBOLS

SYMBOL	DESCRIPTION	MH
	OCCUPANCY SENSOR - CEILING MOUNTED (UNO), HIGH BAY INFRARED, 360 DEGREE PATTERN, 36" DIAM COVERAGE PATTERN (MIN) AT 20' MOUNTING HEIGHT, PROVIDE WITH RELAY OPTION.	CLG
	OCCUPANCY SENSOR - CEILING MOUNTED, ULTRASONIC AND INFRARED SENSOR FOR CORRIDOR & HALLWAY APPLICATION, 50' DIAM COVERAGE PATTERN (MIN) AT 20' MOUNTING HEIGHT, PROVIDE WITH RELAY OPTION. "A" PORTION OF SYMBOL INDICATES AIMING OF ULTRASONIC SENSORS.	CLG

ELECTRICAL GENERAL NOTES

1. THE TERM "PROVIDE" INDICATES CONTRACTOR SHALL FURNISH AND INSTALL ITEMS AND CONNECT AS REQUIRED TO OBTAIN A COMPLETE AND OPERABLE SYSTEM.
2. COORDINATE DEVICE LOCATIONS WITH ARCHITECTURAL PLANS, CASEWORK, WINDOWS, WALKWAYS, ETC. TO ENSURE THAT DEVICES ARE EASILY ACCESSIBLE, DO NOT HIDE BEHIND CASEWORK, DOORS OR EQUIPMENT UNLESS INDICATED ON PLANS. NOTIFY ARCHITECT IN WRITING PRIOR TO PROCEEDING WITH WORK.
3. NOTIFY ARCHITECT IN WRITING WITH THE LATEST EDITION OF ALL LOCAL, STATE AND NATIONAL CODES INCLUDING, BUT NOT LIMITED TO NFPA 70 (NATIONAL ELECTRIC CODE), NFPA 72, NFPA 1 (INTERNATIONAL BUILDING CODE, ETC).
4. CONTRACTOR SHALL SUBMIT TO THE ARCHITECT THE APPROPRIATE CODES, STANDARDS, AND THE PLANS AND SPECIFICATIONS SHALL BE SUBMITTED TO THE ARCHITECT IN WRITING PRIOR TO PROCEEDING WITH WORK.
5. REFER TO E 1 FOR CONSTRUCTION SCHEDULE.
6. REFER TO E 2 FOR PANEL SCHEDULES.
7. E3 DRAWINGS ARE FOR TECHNOLOGY, T1 SERIES FOR COMMUNICATIONS, SECURITY AND ACCESS CONTROL.
8. CONTRACTOR SHALL FOLLOW SEISMIC RESTRAINT AND DESIGN REQUIREMENTS CONTAINED IN LATEST ADOPTED STATE AND INTERNATIONAL BUILDING CODES WITH ALL AMENDMENTS AS ADOPTED.
9. ADDITIONAL REQUIREMENTS MAY BE SHOWN ON PLANS FROM OTHER DISCOURSES IN THIS SET. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL PLANS AND SPECIFICATIONS FOR A COMPLETE UNDERSTANDING OF THIS PROJECT REQUIREMENTS.
10. WHERE CONFLICTS ARE FOUND BETWEEN DRAWINGS, DETAILS, OR SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT SHALL BE FOLLOWED.
11. NOTIFY ARCHITECT OF DISCREPANCY IN WRITING.
12. INFORM WORK CONSTITUTES CONTRACTOR ACCEPTANCE OF THE EXISTING CONDITIONS ASSOCIATED WITH THE WORK IN QUESTION.
13. CONTRACTOR SHALL CONTACT UTILITIES AND VERIFY UTILITY REQUIREMENTS PRIOR TO COMMENCING WORK. CONTRACTOR SHALL SUBMIT TO THE ARCHITECT IN WRITING THE PLANS OR SPECIFICATIONS THAT ARE BEING USED. THESE DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT IN WRITING PRIOR TO PROCEEDING WITH WORK.
14. CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND IS RESPONSIBLE FOR CONSTRUCTION METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, AND SAFE PRACTICES.
15. DRAWINGS ARE DIAGRAMMATIC IN NATURE AND CANNOT SHOW EVERY CONNECTION, JUNCTION BOX, WIRE, AND CONDUIT, ETC. THE EXACT LOCATIONS AND ARRANGEMENT OF PARTS AND CONDUITS ARE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL DRAWINGS REASONABLY INFERRED TO BELONG TO THE WORK DESCRIBED SHALL BE FURNISHED AND INSTALLED TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM.
16. WORK SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW REQUIREMENTS, INCLUDING SERVICE CONDUITS AND CONDUIT SUPPORTS. CONTRACTOR SHALL NOT INSTALL CONDUITS OR DRAWINGS UNLESS APPROVED BY THE ARCHITECT. CONTRACTOR SHALL NOT VARY FROM DRAWINGS UNLESS APPROVED BY THE ARCHITECT.
17. CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND IS RESPONSIBLE FOR CONSTRUCTION METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, AND SAFE PRACTICES.
18. PROVIDE A DEDICATED NEUTRAL FOR EACH LINE TO NEUTRAL CIRCUIT. MULTI-WIRE BRANCH CIRCUITS SHALL NOT BE PROVIDED AS A SUBCIRCUIT. SEE SPECIFICATIONS FOR MINIMUM CIRCUIT SIZE #12 AWG.
19. CONDUIT SHALL BE CONCEALED WHERE POSSIBLE ABOVE CEILINGS, INSIDE WALLS, OR UNDER FLOOR SLAB WHERE SHOWN ON DRAWINGS. IN AREAS WHERE NO CEILING, RUN EXPOSED CONDUIT IN CEILINGS, INSIDE WALLS, OR UNDER FLOOR SLAB. DO NOT EXISTING RACEWAY CONDUIT SHALL NOT BE INSTALLED IN FLOOR SLAB UNLESS SPECIFICALLY INDICATED ON PLANS. WHERE APPROVED BY STRUCTURAL ENGINEER, DO NOT INSTALL MC CONDUIT IN CEILINGS OR ON FLOOR SLABS.
20. CONDUIT SHALL BE PROVIDED AS EMT, RIGID METAL, OR THINWALL CONDUIT. MINIMUM CONDUIT SIZE IS #12 AWG. SEE SPECIFICATIONS FOR MINIMUM CONDUIT SIZE.
21. CONDUIT OPENED CONDUITS SHALL BE PROVIDED WITH INSULATED THROAT BUSHINGS.
22. INTEGRATE CONDUIT FOR PULLING CABLES. IF CONDUIT IS LOCATED AT LEAST 8" HORIZONTALLY APART NO SOUND INSULATING PUTTY IS REQUIRED.
23. SEE ARCHITECTURAL PLANS FOR LOCATIONS OF FIRE RATE ASSEMBLIES AND SMOKE BARRIERS. SEAL PENETRATIONS IN ACCORDANCE WITH UL AND PROJECT SPECIFICATIONS.
24. MOUNTING HEIGHTS FOR WALL MOUNTED DEVICES LOCATED ABOVE FINISHED FLOOR ARE TO BOTTOM OF DEVICE UNO.
25. PROVIDE SOUND INSULATING PLUGS FOR DEVICES INSTALLED ON OPPOSITE SIDES OF A PULL BOX. PROVIDE A 1/2" CHANNEL IF DEVICE IS LOCATED AT LEAST 8" HORIZONTALLY APART. NO SOUND INSULATING PUTTY IS REQUIRED.
26. COORDINATE CEILING MOUNTED DEVICES WITH MECHANICAL AND ARCHITECTURAL REFLECTED CEILING PLANS. NOTIFY ARCHITECT IN WRITING OF CONFLICTS PRIOR TO PROCEEDING WITH WORK.
27. JUNCTION BOXES LOCATED ABOVE ACCESSIBLE CEILINGS SHALL BE LOCATED NO MORE THAN 36" ABOVE CEILING LEVEL. LABEL EACH BOX IN AREA OF WORK FOR A PERMANENT MARK. PROVIDE A 1/2" CHANNEL IF DEVICE IS LOCATED AT LEAST 8" HORIZONTALLY APART. CONDUITS DESIGNATED AS EMPTY OR FUTURE SHALL BE PROVIDED WITH A #12 AWG LINE. OPEN ENDED CONDUITS SHALL BE PROVIDED WITH INSULATED THROAT BUSHINGS.
28. PROVIDE GROUNDING TYPE EXPANSION FITTINGS OR OTHER APPROVED METHODS TO ALLOW FOR EXPANSION, CONTRACTION, AND DEFLECTION WHERE CONDUITS CROSS BUILDING JOINTS.
29. PROVIDE SEPARATE RACEWAY FOR EMERGENCY SYSTEM WIRING PER NEC ARTICLE 700.
30. ALL CONDUITS SHALL INCLUDE AN INSULATED GROUND WIRE, SIZED PER NEC.
31. ALL CONDUITS SHALL INCLUDE A GROUND WIRE, SIZED PER NEC.
32. PROVIDE CONDUIT AND BOX ROUGH-INS FOR MOTORS AND PUSHBUTTONS. MAKE FINAL POWER CONNECTIONS. ALL CONTROL WIRING BY OTHERS.
33. PROVIDE CONDUIT AND BOX ROUGH-INS FOR MOTORS AND PUSHBUTTONS. MAKE FINAL POWER CONNECTIONS. ALL CONTROL WIRING BY OTHERS.
34. PROVIDE CONDUIT AND BOX ROUGH-INS FOR MOTORS AND PUSHBUTTONS. MAKE FINAL POWER CONNECTIONS. ALL CONTROL WIRING BY OTHERS.
35. PROVIDE CONDUIT AND BOX ROUGH-INS FOR MOTORS AND PUSHBUTTONS. MAKE FINAL POWER CONNECTIONS. ALL CONTROL WIRING BY OTHERS.
36. CONCRETE BEAMS, WALLS AND BEAM/DO NOT PENETRATE CONCRETE WALLS, INDICATED AS BEARING WALLS AND SHEAR WALLS ON STRUCTURAL DRAWINGS. UNLESS NOTED OTHERWISE ON PLAN, DO NOT CORE THROUGH CONCRETE BEAMS, GIRDERS, OR COLUMNS. DO NOT CUT ANY VERTICAL REINFORCING IN CONCRETE WALLS. OBTAIN PRIOR APPROVAL FROM STRUCTURAL ENGINEER BEFORE PENETRATING ANY OF THE STRUCTURAL ELEMENTS LISTED ABOVE.
37. STEEL FRAMING DO NOT CUT OR CORE THROUGH ANY STRUCTURAL STEEL BEAMS, GIRDERS, OR COLUMNS UNLESS NOTED OTHERWISE ON PLAN. NOTIFY ENGINEER OF PERTINENT DRAWINGS.
38. CONCRETE FLOOR SYSTEMS (APPLIES TO CONCRETE BLDG. OR STEEL WITH CONCRETE DECK, MASONRY W/ CONC. FLOOR) DO NOT CUT HOLES OR CORE THROUGH CONCRETE FLOOR SLAB UNLESS NOTED OTHERWISE ON PLAN OR IN TYPICAL STRUCTURAL DETAILS. PERMIT Holes in concrete floors shall be no larger than 12" in diameter. If no existing reinforcement shall be cut without permission of the structural engineer. Penetrations through existing beams and columns is not permitted.

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900 MULBERRY ST. ZIONSVILLE, IN 46070

ISSUED FOR BID

PROJECT MANAGER: JM
DRAWN BY: RDR
PROJECT NUMBER: 22401800

PROJECT ISSUE DATE: 01/21/2025

REV. NO. □ DESCRIPTION DATE

ELECTRICAL SYMBOL LEGEND
E-01**ZIONSVILLE HS ATHLETIC LOCKER ADDITION**

1000 MULBERRY STREET, ZIONSVILLE, IN 46077

FIRE ALARM SYMBOLS

SYMBOL	DESCRIPTION	MH	LEGEND NOTE
	ADDRESSABLE INTERFACE DEVICE	-	
	HEAT DETECTOR, 190 DEGREES F FIXED TEMPERATURE (UNO), CEILING MOUNTED	CLG	
	ROUND INDICATES CEILING MOUNTED. SQUARE INDICATES DUCT MOUNTED. PHOTOELECTRIC SMOKE DETECTOR		
	AUDIBLE AND VISIBLE NOTIFICATION APPLIANCE (HORN/STROBE), CEILING MOUNTED		

ZIONSVILLE HS ATHLETIC LOCKER ADDITION

1000 MULBERRY STREET
ZIONSVILLE, IN 46077

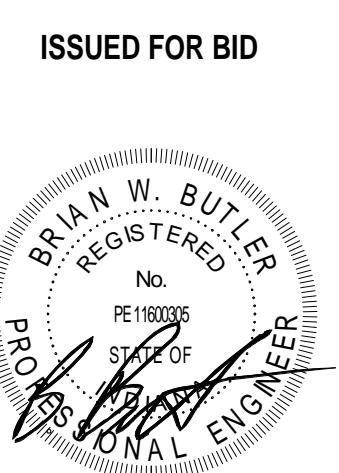
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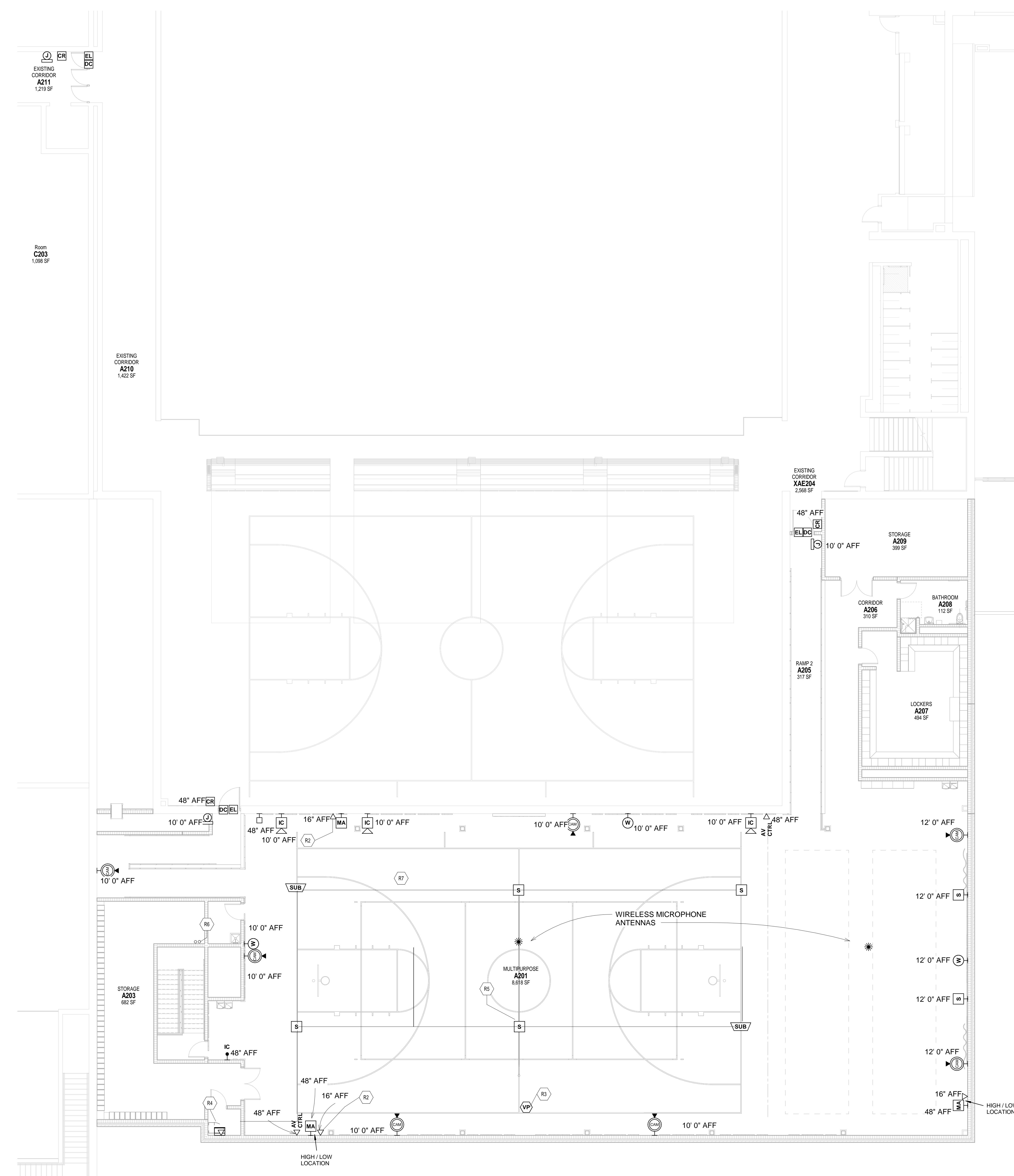


PROJECT MANAGER: JAM
DRAWN BY: CDT
PROJECT NUMBER: 224018.00
PROJECT ISSUE DATE: 01-21-2025

REV. NO. □ DESCRIPTION DATE

SECOND FLOOR TECHNOLOGY ROUGH-IN PLAN

ET-12



SECOND FLOOR TECHNOLOGY ROUGH-IN PLANS

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

ROOM LEGEND			
ROOM NO.	OWNER ROOM NO.	ROOM NAME	AREA (SF)
11407 - 2ND FLOOR MP			
A201		MULTIPURPOSE	8608 SF
A202		RAMP 1	344 SF
A203		STORAGE	682 SF
A205		RAMP 2	317 SF
A206		CORRIDOR	310 SF
A207		LOCKERS	494 SF
A208		BATHROOM	112 SF
A209		STORAGE	359 SF
A211		EXISTING CORRIDOR	1219 SF
A212		SERVICE	50 SF
A213		IT CLOSET	31 SF
FIRST FLOOR			
A143		VESTIBULE	108 SF
A147		LOCKERS	806 SF
S1		STAIR	174 SF
SECOND FLOOR			
A204		VESTIBULE	46 SF
A210		EXISTING CORRIDOR	1422 SF
C203		Room	1098 SF
XAE204		EXISTING CORRIDOR	2568 SF

TECHNOLOGY ROUGH-IN GENERAL NOTES

A. DEVICES SHALL BE INSTALLED AT LOCATIONS SHOWN ON DRAWINGS. LOCATIONS OF DEVICES SHALL BE COORDINATED WITH OTHER ELECTRICAL DEVICES/ CABLES. CONTRACTOR SHALL COORDINATE WITH OTHER TRADES PRIOR TO ROUGH-IN. IF RELOCATION OF DEVICES IS REQUIRED DUE TO LACK OF COORDINATION BETWEEN ELECTRICAL DRAWINGS AND OTHER TRADES, ANY ASSOCIATED COSTS SHALL BE RESPONSIBILITY OF ELECTRICAL CONTRACTOR.

ROUGH-IN PLAN NOTES

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

SHEET KEYNOTES

- R2 PROVIDE ONE 1 1/2" CONDUIT FROM 16" ROUGHIN BOX LOCATION UP TO PROJECTOR LOCATION AND ONE 1 1/2" CONDUIT BACK TO STORAGE A203 FOR A/V CONNECTIONS.
- R3 PROVIDE POWER FOR MULTIPURPOSE SOUND SYSTEM LOCATION. CONFIRM LOCATION WITH DNV2 CONTRACTOR.
- R4 PROVIDE POWER FOR SOUND SYSTEM CABINET. CONFIRM LOCATION WITH DNV2.
- R5 SEE DETAILS FOR MULTIPURPOSE SOUND SYSTEM CONDUIT REQUIREMENTS.
- R6 TWO 4" CONDUITS GOING FROM THE FIRST FLOOR TECH CLOSET TO THE SECOND FLOOR STORAGE ROOM.
- R7 PROVIDE JUNCTION BOX FOR SPEAKER LOCATED IN BAR JOIST. SPEAKER ROCKWELL (AS PER CODE) SO THAT BOTTOM OF SURROUNDED SPEAKER IS LOCATED ABOVE THE BOTTOM OF BAR JOIST. PROVIDE CONDUITS BETWEEN JUNCTION BOXES AS REQUIRED. SEE DETAILS FOR SPEAKER CONNECTIONS.

VERIFICATION NOTE
CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.
SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

ZIONSVILLE HS ATHLETIC LOCKER ADDITION

1000 MULBERRY STREET
ZIONSVILLE, IN 46077

ZIONSVILLE COMMUNITY
SCHOOLS



FANNING
HOWEY

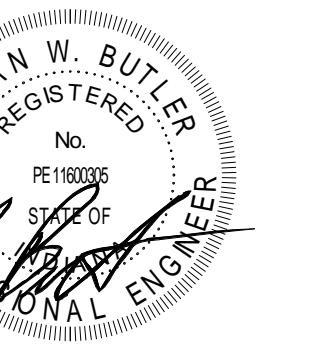
(800) 452-3537
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350 E NEW YORK ST, SUITE 300, INDIANAPOLIS, IN 46204



N
KEY PLAN



ISSUED FOR BID



PROJECT MANAGER: JAM
DRAWN BY: CDT
PROJECT NUMBER: 224018.00
PROJECT ISSUE DATE: 01-21-2025

REV. NO. □ DESCRIPTION DATE

COMMUNICATIONS ROUGH-IN SYMBOLS		
SYMBOL	DESCRIPTION	MH UNO
◀	COMMUNICATIONS OUTLET, 2 GANG, 3.5" DEEP BOX WITH 2 GANG MUD RING, WITH 2 (TWO) 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING WITH PLASTIC BUSHING AND PULL STRING.	16"
◀W	WALL MOUNTED COMMUNICATIONS OUTLET, 2 GANG, 3.5" DEEP BOX WITH 1 GANG MUD RING, WITH 1 (ONE) 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING WITH PLASTIC BUSHING AND PULL STRING.	44"
□	MULTI CAPACITY FLOOR BOX WITH 1 (ONE) 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING AND ONE (1) 1" CONDUIT TO NEAREST TELECOMMUNICATIONS ROOM. PROVIDE PLASTIC BUSHINGS AND PULL STRINGS.	F
◀SR	SCOUND REINFORCEMENT LOCATION, 2 GANG, 3.5" DEEP BOX WITH 2 GANG MUD RING, WITH 2 (TWO) 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING WITH PLASTIC BUSHING AND PULL STRING. COORDINATE WITH TECHNOLOGY AND ARCHITECTURAL DRAWINGS.	5'-4"
W	WALL MOUNTED WIRELESS ACCESS POINT, 2 GANG, 3.5" DEEP BOX WITH 1 GANG MUD RING, WITH 1 (ONE) 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING WITH PLASTIC BUSHING AND PULL STRING.	10'-0"
W	CEILING MOUNTED WIRELESS ACCESS POINT, 2 GANG, 3.5" DEEP BOX WITH 1 GANG MUD RING, WITH 1 (ONE) 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING WITH PLASTIC BUSHING AND PULL STRING.	C
—	18" CABLE TRAY, UNLESS OTHERWISE NOTED	-
—	2" CONDUIT SLEEVES BETWEEN WALLS, UNLESS OTHERWISE NOTED	-
○ ○	2 (TWO) 4" CONDUIT SLEEVES BETWEEN FLOORS	-
—	4' x 8' x 34' FIRED RATED PLYWOOD	-
▽	POKE-THRU FLOOR BOX WITH 1 (ONE) 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING AND ONE (1) 1" CONDUIT TO NEAREST TELECOMMUNICATIONS ROOM. PROVIDE PLASTIC BUSHINGS AND PULL STRINGS.	F

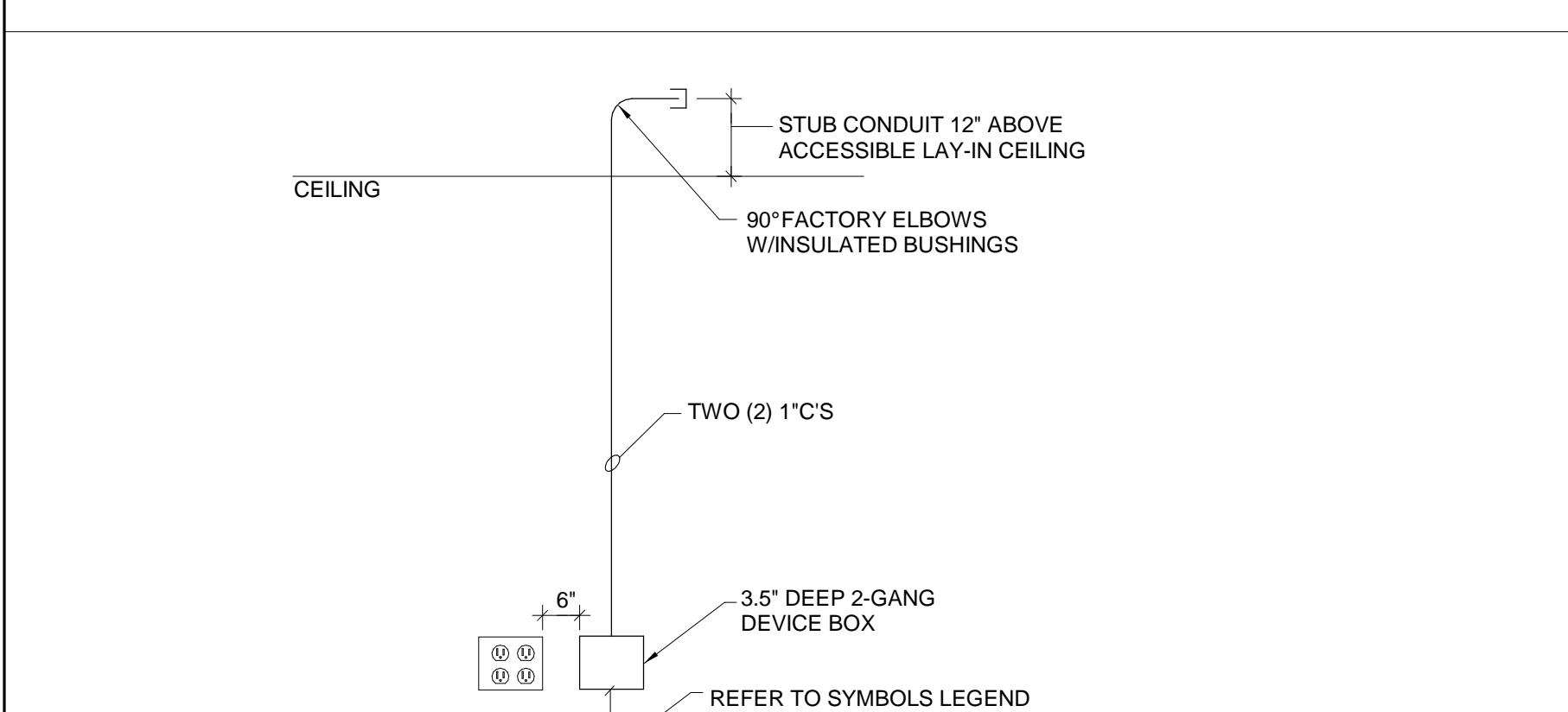
PUBLIC ADDRESS AND MASS NOTIFICATION SYSTEMS ROUGH-IN SYMBOLS		
SYMBOL	DESCRIPTION	MH UNO
●	SOUND SYSTEM ANTENNA, 1 GANG, 3.5" DEEP BOX WITH 1" CONDUIT TO SOUND SYSTEM JUNCTION BOX	BETWEEN JOISTS
S	CEILING MOUNTED SOUND SYSTEM SPEAKER, 1 GANG BOX WITH 1" CONDUIT TO SOUND SYSTEM JUNCTION BOX	-
MA	WALL MOUNTED MICROPHONE/AUXILIARY INPUT, 2 GANG, 3.5" DEEP BOX WITH 2 GANG MUD RING, WITH 1 (ONE) 1/2" CONDUIT TO SOUND SYSTEM JUNCTION BOX WITH PULL STRING.	16"

INTERCOMMUNICATIONS AND PROGRAM SYSTEMS ROUGH-IN SYMBOLS		
SYMBOL	DESCRIPTION	MH UNO
IC	CALL-IN SWITCH, 2 GANG, 3.5" DEEP BOX WITH 1 GANG MUD RING, WITH 1 (ONE) 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING WITH PLASTIC BUSHING AND PULL STRING.	44"
IVC	VOLUME CONTROL, 2 GANG, 3.5" DEEP BOX WITH 1 GANG MUD RING, WITH 1 (ONE) 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING WITH PLASTIC BUSHING AND PULL STRING.	44"
WH	WALL MOUNTED HORN SPEAKER, 2 GANG, 3.5" DEEP BOX WITH 1 GANG MUD RING, WITH 1 (ONE) 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING WITH PLASTIC BUSHING AND PULL STRING.	96"

ACCESS CONTROL ROUGH-IN SYMBOLS		
SYMBOL	DESCRIPTION	MH UNO
ACP	ACCESS CONTROL PANEL, 2 GANG, 3.5" DEEP BOX WITH 2 GANG MUD RING, 2 (TWO) 1" CONDUIT STUBBED ABOVE ACCESSIBLE LAY-IN CEILING WITH PULL STRING	-
CR	CARD READER, 2 GANG, 3.5" DEEP BOX WITH 2 GANG MUD RING, 1 (ONE) 1" CONDUIT TO JUNCTION BOX ABOVE DOOR	44"
EL	ELECTRONIC LATCH, 2 GANG, 3.5" DEEP BOX WITH 1 GANG MUD RING, 1 (ONE) 1" CONDUIT TO JUNCTION BOX ABOVE DOOR	-
J	24" W x 24" H x 6" D JUNCTION BOX ABOVE DOOR FOR ACCESS CONTROL DOOR CONTROLLER.	ABOVE CLG.

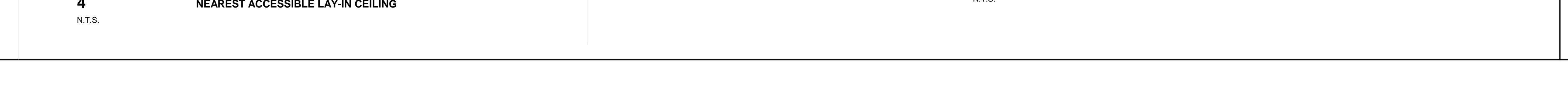
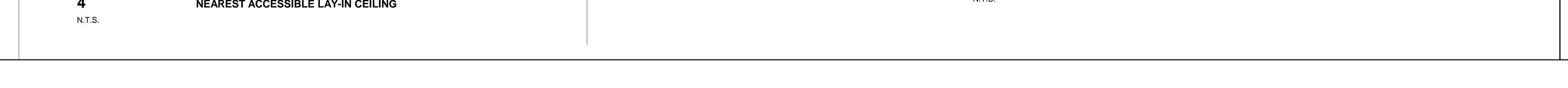
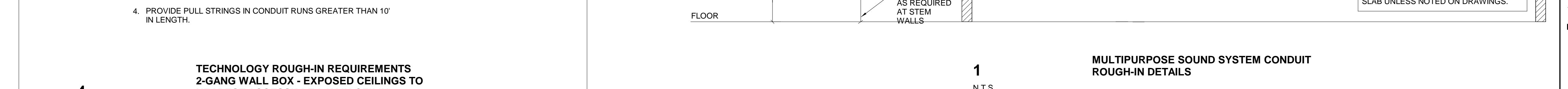
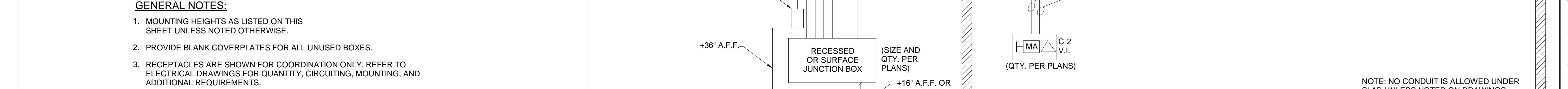
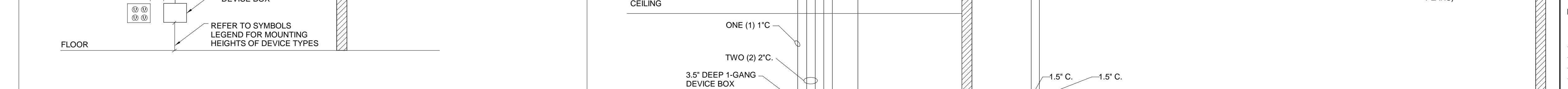
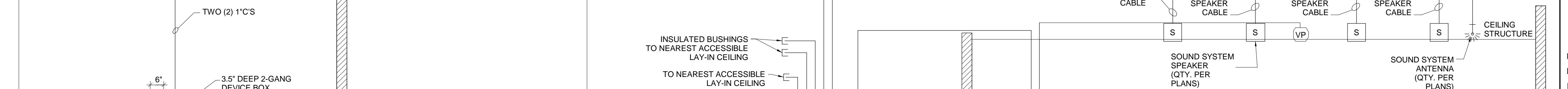
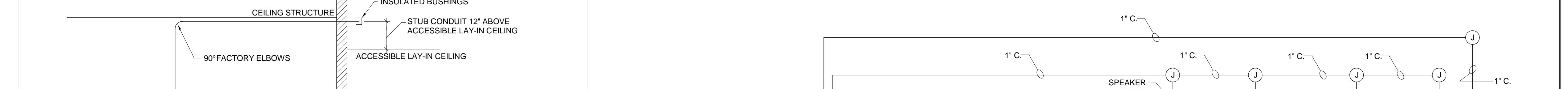
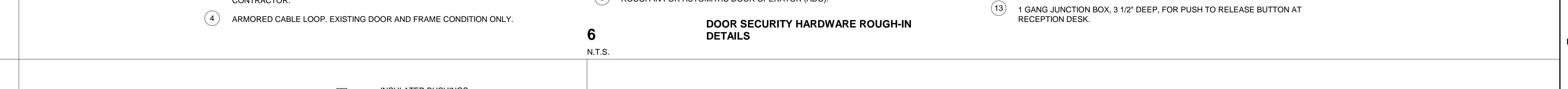
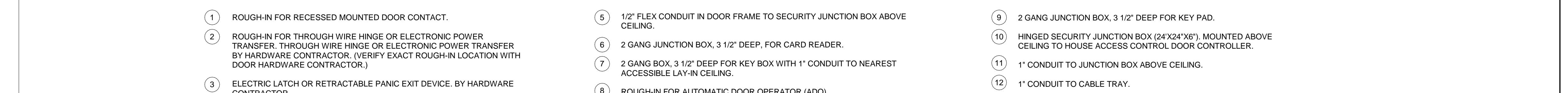
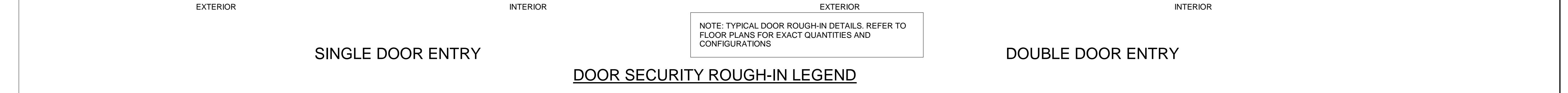
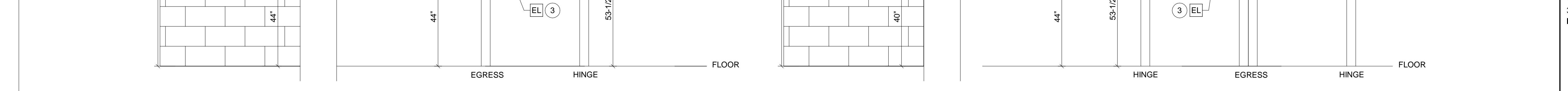
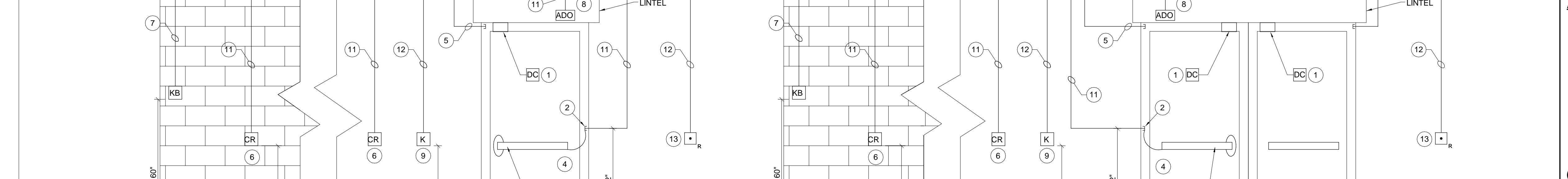
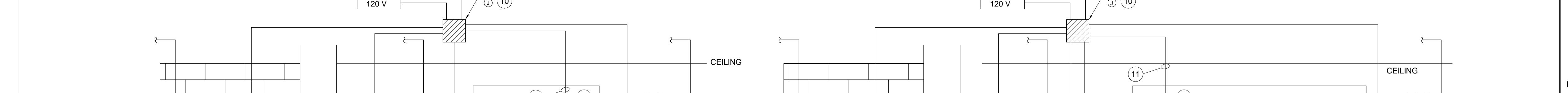
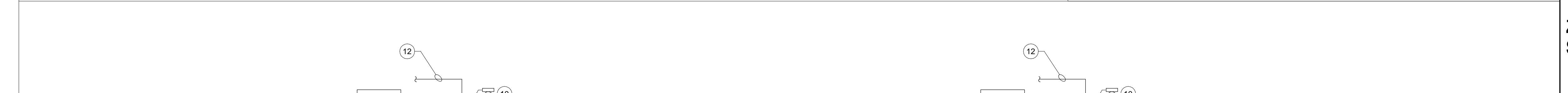
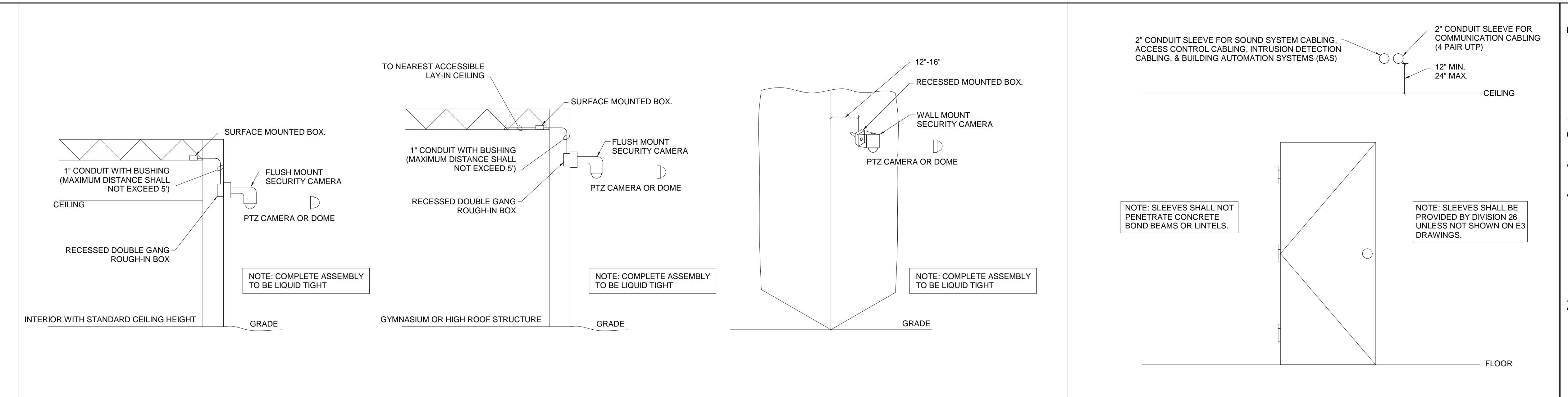
INTRUSION DETECTION ROUGH-IN SYMBOLS		
SYMBOL	DESCRIPTION	MH UNO
DC	DOOR CONTACT ROUGH-IN	-
K	KEYPAD, 2 GANG, 3.5" DEEP BOX WITH 1 GANG MUD RING, 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING WITH PLASTIC BUSHING AND PULL STRING.	44"

VIDEO SURVEILLANCE CAMERA ROUGH-IN SYMBOL		
SYMBOL	DESCRIPTION	MH UNO
HS	WALL MOUNTED WEATHERPROOF VIDEO SURVEILLANCE CAMERA, 2 GANG, 3.5" DEEP BOX WITH 1 GANG MUD RING WITH 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING WITH PULL BOX. (MOUNT WITHIN 12'-16" OF CORNER WHEN APPLICABLE)	+144"



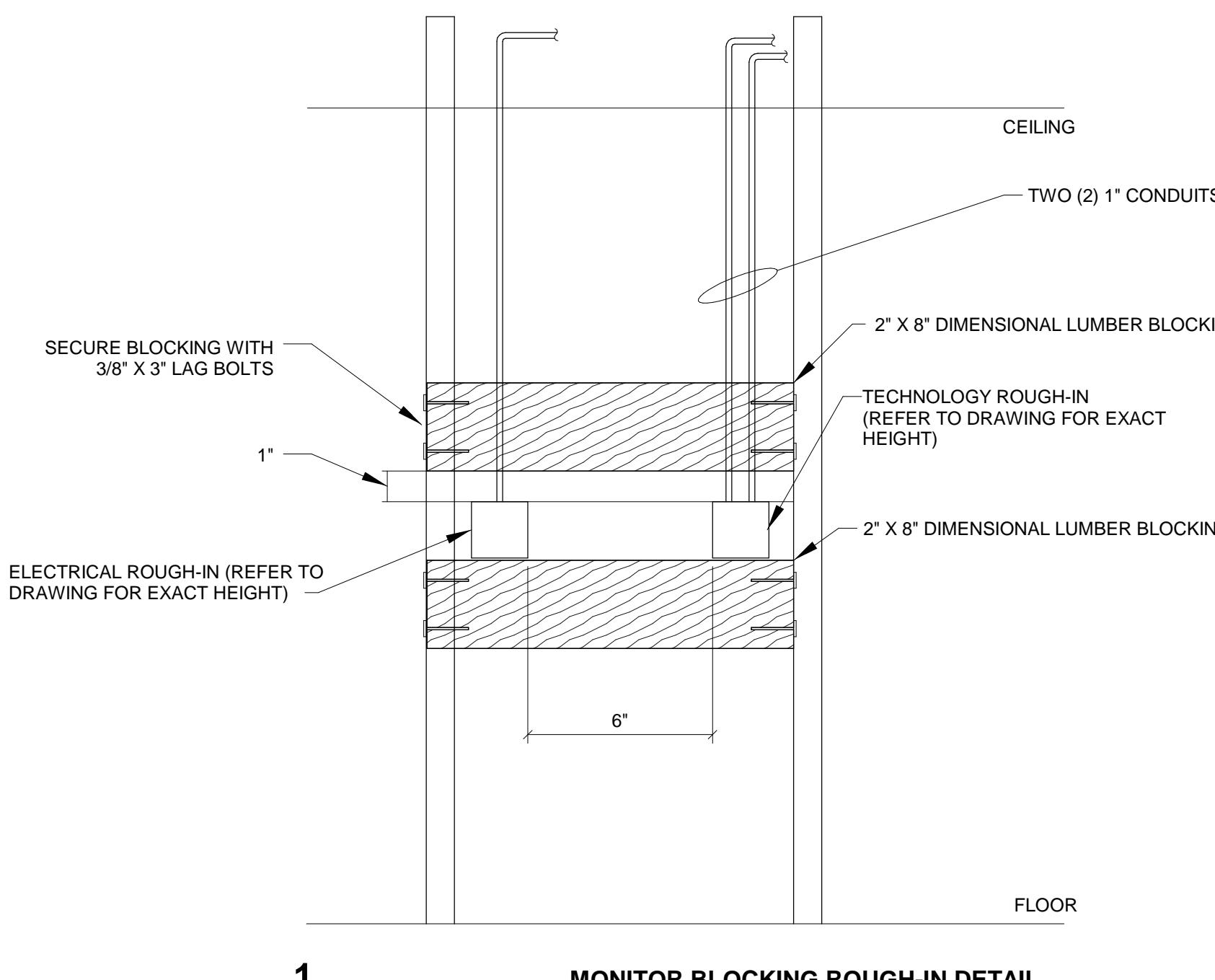
TECHNOLOGY ROUGH-IN REQUIREMENTS
2-GANG WALL BOX - ACCESSIBLE LAY-IN
CEILINGS

3 N.T.S.



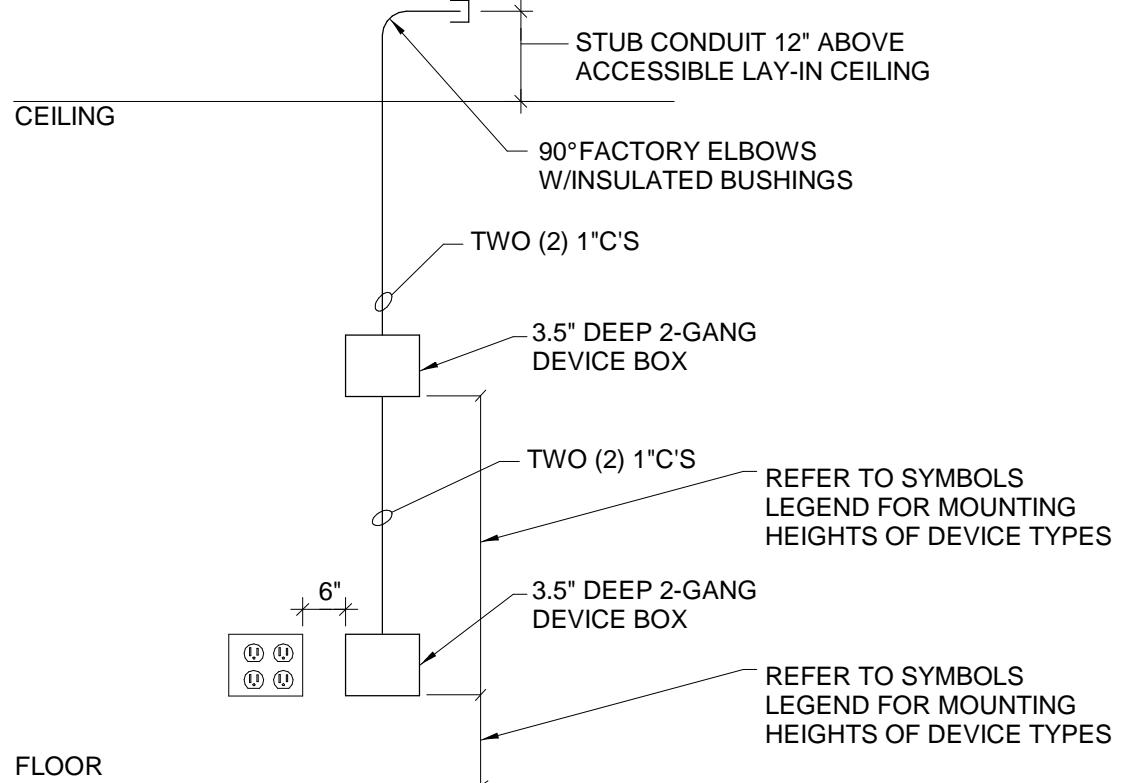
ZIONSVILLE HS ATHLETIC LOCKER ADDITION

1000 MULBERRY STREET
ZIONSVILLE, IN 46077



1 MONITOR BLOCKING ROUGH-IN DATA

N.T.S.



GENERAL NOTES:

1. MOUNTING HEIGHTS AS LISTED ON THIS SHEET UNLESS NOTED OTHERWISE.
2. PROVIDE BLANK COVERPLATES FOR ALL UNUSED BOXES.
3. RECEPTACLES ARE SHOWN FOR COORDINATION ONLY. REFER TO ELECTRICAL DRAWINGS FOR QUANTITY, CIRCUITING, MOUNTING, AND ADDITIONAL REQUIREMENTS.
4. PROVIDE PULL STRINGS IN CONDUIT RUNS GREATER THAN 10' IN LENGTH.



FANNING HOWEY

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1

A circular registration stamp for Brian W. Butler. The outer ring contains the text "PROFESSIONAL ENGINEER" at the top and "STATE OF FLORIDA" at the bottom. The inner circle contains "BRIAN W. BUTLER" at the top, "REGISTERED" in the center, and "No." followed by "PE11600305" at the bottom. A large, dark, handwritten signature of "BRIAN W. BUTLER" is overlaid across the center of the stamp.

JECT MANAGER: JAM
VN BY: CDT
JECT NUMBER: 224018.00
JECT ISSUE DATE: 01-21-2025

EV. O. △	DESCRIPTION
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TECHNOLOGY ROUGH-IN DETAILS

DEFINITIONS

ACCEPTANCE TEST	A TEST OR SET OF TESTS PERFORMED TO DEMONSTRATE SATISFACTORY COMPLETION OF A PREDETERMINED TASK OR GROUP OF TASKS ON WHICH ACCEPTANCE IS DEPENDANT.
ACCESS POINT (AP)	ACCESS POINT (AP) - THE CENTRAL OR CONTROL POINT IN A WIRELESS CELL THAT ACTS AS A LINK FOR TRAFFIC TO AND FROM WIRELESS DEVICES IN THE CELL. THE AP ALSO CONNECTS WIRELESS DEVICES TO THE WIRED PORTION OF THE NETWORK.
ACTIVE CIRCUIT	ACTIVE CIRCUIT - A VOICE/DATA/VIDEO CHANNEL CONNECTED TO A CIRCUIT.
ACTIVE EQUIPMENT	ENERGIZED EQUIPMENT USED FOR RECEIVING OR TRANSMITTING ANALOG OR DIGITAL SIGNALS.
ADMINISTRATION	ADMINISTRATION - THE METHODOLOGY DEFINING THE DOCUMENTATION REQUIREMENTS OF A CABLEING SYSTEM AND ITS CONTAINMENT, THE LABELING OF FUNCTIONAL ELEMENTS AND THE PROCESS BY WHICH MOVES, ADDS, AND CHANGES ARE RECORDED (ISO).
ALIEN CROSSTALK	UNWANTED TRANSFER OF SIGNAL FROM ONE OR MORE CIRCUITS IN A GIVEN CABLE TO OTHER CIRCUITS IN ANOTHER CABLE.
ATTENUATION	THE DIRECTIONAL MAGNITUDE OF TRANSMISSION SIGNAL STRENGTH BETWEEN POINTS, EXPRESSED IN dB AS THE RATIO OF OUTPUT TO INPUT LEVEL.
ATTENUATION-TO-CROSSTALK RATIO (ACR)	THE RATIO OBTAINED BY SUBTRACTING INSERTION LOSS (ATTENUATION [dB]) FROM NEAR-END CROSSTALK (dB). ACR IS NORMALLY STATED AT A GIVEN FREQUENCY. SEE SIGNAL-TO-NOISE RATIO.
BACKBONE	A FACILITY (E.G., PATHWAY, CABLE, OR CONDUCTORS) BETWEEN ANY OF THE FOLLOWING SPACES: TELECOMMUNICATIONS ENCLOSURES, TELECOMMUNICATIONS ROOMS, EQUIPMENT ROOMS, AND ENTRANCE FACILITIES.
BACKBONE BONDING CONDUCTOR	BACKBONE BONDING CONDUCTOR - A COPPER CONDUCTOR EXTENDING FROM THE TELECOMMUNICATIONS MAIN GROUNDING BUSBAR TO THE FARTHEST FLOOR TELECOMMUNICATIONS GROUNDING BUSBAR. (TIA)
BALANCED TWISTED-PAIR CABLE	A MULTI-CONDUCTOR CABLE COMPRISING TWO OR MORE COPPER CONDUCTORS TWISTED IN A MANNER DESIGNED TO CANCEL ELECTRICAL INTERFERENCE.
BANDWIDTH	A MEASURE OF THE RANGE OF FREQUENCIES ASSOCIATED WITH A GIVEN SIGNAL OR COMMUNICATIONS CHANNEL, TYPICALLY EXPRESSED IN HERTZ. IT IS USED TO DENOTE THE POTENTIAL TRANSMISSION CAPACITY OF THE MEDIUM, DEVICE, OR SYSTEM.
BEND RADIUS	1. MAXIMUM RADIUS THAT A CABLE CAN BE BENT TO AVOID PHYSICAL OR ELECTRICAL DAMAGE OR CAUSE ADVERSE TRANSMISSION PERFORMANCE. 2. RADIUS OF CURVATURE THAT A MEDIA CAN BEND WITHOUT SIGNAL DEGRADATION.
BICSI	AN INTERNATIONAL TELECOMMUNICATIONS ASSOCIATION.
BONDING	THE PERMANENT JOINING OF METALLIC PARTS TO FORM AN ELECTRICALLY CONDUCTIVE PATH THAT WILL ENSURE ELECTRICAL CONTINUITY AND THE CAPACITY TO CONDUCT SAFELY ANY CURRENT LIKELY TO BE IMPOSED. (TIA)
BONDING CONDUCTOR	A CONDUCTOR USED SPECIFICALLY FOR THE PURPOSE OF BONDING.
BONDING CONDUCTOR FOR TELECOMMUNICATIONS (BCT)	A CONDUCTOR THAT INTERCONNECTS THE BUILDINGS SERVICE EQUIPMENT (POWER) GROUND TO THE TELECOMMUNICATIONS GROUND SYSTEM.
BORING	A METHOD TO DISPLACE EARTH UNDER THE GROUND WITHOUT BREAKING THE GROUND SURFACE (TRENCHING) OR CUTTING GROUND SURFACES (E.G., SIDEWALKS, DRIVEWAYS, PARKING LOTS, AND ROAD SURFACES). NORMALLY, AS DIRT IS DISPLACED OR REMOVED, CONDUIT IS INSERTED.
CABLING SYSTEM	A SPECIFIC SYSTEM OF TELECOMMUNICATIONS CABLES, EQUIPMENT/PATCH CORDS, CONNECTING HARDWARE, AND OTHER COMPONENTS THAT IS SUPPLIED AS A SINGLE ENTITY.
CARD READER	A SECURITY SYSTEM DEVICE THAT READS CODED CARDS.
CATEGORY	A RATING THAT DEFINES THE PERFORMANCE OF CABLING COMPONENTS AND SYSTEMS.
CELL	THE FIXED AREA IN WHICH A WIRELESS DEVICE OPERATES.
COMMUNICATIONS	SEE TELECOMMUNICATIONS.
CROSS-CONNECT	A FACILITY ENABLING THE TERMINATION OF CABLE ELEMENTS AND THEIR INTERCONNECTION OR CROSS-CONNECTION. (TIA)
CROSSTALK	UNWANTED TRANSFER OF SIGNAL FROM ONE OR MORE CIRCUITS TO OTHER CIRCUITS.
CUTOVER	THE PROCESS OF SWITCHING FROM OLD NETWORK COMPONENTS TO NEW NETWORK COMPONENTS.
DAISY-CHAIN TOPOLOGY	DEVICES ARE CONNECTED IN SERIES, ONE AFTER THE OTHER, AND THE TRANSMITTED SIGNALS GO TO THE FIRST DEVICES, THEN THE SECOND, ETC.
DATA	ELECTRONICALLY ENCODED INFORMATION. (TIA)
DATA COMMUNICATION	THE TRANSMISSION AND RECEIPTION OF ELECTRONICALLY CODED INFORMATION.
DATA NETWORK	AN INTERCONNECTED SYSTEM OF COMPUTERS, PERIPHERALS, AND SOFTWARE OVER WHICH COMMANDS, FILES, AND MESSAGES ARE SENT AND RECEIVED.
DECIBEL (dB)	A LOGARITHMIC UNIT FOR MEASURING THE RELATIVE POWER OR STRENGTH OF A SIGNAL.
DELAY SKEW	THE DIFFERENCE IN PROPAGATION DELAY BETWEEN ANY TWO PAIRS WITHIN THE SAME CABLE SHEATH. (TIA)
DEMARCATION POINT (DP)	1. A POINT WHERE THE OPERATIONAL CONTROL OR OWNERSHIP CHANGES. (TIA) 2. THE POINT OF INTERFACE BETWEEN SERVICE PROVIDERS AND CUSTOMER FACILITIES.
DIELECTRIC	1. THE NONCONDUCTIVE PROPERTIES OF AN INSULATING MATERIAL THAT RESISTS THE PASSAGE OF ELECTRIC CURRENT. THE INSULATION SURROUNDING A COPPER CONDUCTOR IS KNOWN AS A DIELECTRIC. 2. A MATERIAL THAT IS NONMETALLIC AND NONCONDUCTIVE.
DIRECT-BURIED CABLE	A TELECOMMUNICATIONS CABLE DESIGNED TO BE INSTALLED UNDER THE SURFACE OF THE EARTH, IN DIRECT CONTACT WITH THE SOIL. (TIA)
ELECTROMAGNETIC INTERFERENCE (EMI)	RADIATED OR CONDUCTED ELECTROMAGNETIC ENERGY THAT HAS AN UNDESIRABLE EFFECT ON ELECTRONIC EQUIPMENT OR SIGNALS. (TIA)
EQUAL LEVEL FAR-END CROSSTALK (FEXT) LOSS	CROSSTALK MEASURED AT THE OPPOSITE END FROM WHICH THE DISTURBING SIGNAL IS TRANSMITTED, NORMALIZED BY THE ATTENUATION CONTRIBUTION OF THE CABLE OR CABLINGS.
EXTEND CROSSTALK (FEXT) LOSS	A MEASURE OF THE UNWANTED SIGNAL COUPLING FROM A TRANSMITTER AT THE NEAR END INTO ANOTHER PAIR MEASURED AT THE FAR END, AND RELATIVE TO THE TRANSMITTED SIGNAL LEVEL ALSO CALLED INPUT/OUTPUT FAR END CROSSTALK LOSS. (TIA)
FAULT TOLERANCE	THE ABILITY OF A SYSTEM TO CONTINUE OPERATIONS AFTER THE FAILURE OF ONE OR MORE COMPONENTS.
FIBER OPTICS	A COMMUNICATION SYSTEM THAT USES OPTICAL FIBER AS ITS MEDIUM.
GIGABIT PER SECOND (GB/S)	A TRANSMISSION RATE DENOTING ONE BILLION BITS PER SECOND.
GIGAHERTZ (GHz)	A UNIT OF FREQUENCY DENOTING ONE BILLION CYCLES PER SECOND (HERTZ).
HERTZ (Hz)	1. A UNIT OF MEASURE USED TO EXPRESS THE RANGE OF FREQUENCIES ASSOCIATED WITH A GIVEN SIGNAL OR COMMUNICATIONS CHANNEL. THIS RANGE IS ALSO CALLED BANDWIDTH. 2. A UNIT OF FREQUENCY EQUAL TO ONE CYCLE PER SECOND.
HOME RUN	A PATHWAY OR CABLE BETWEEN TWO LOCATIONS WITHOUT A SPLICE OR INTERMEDIATE TERMINATIONS POINTS IN BETWEEN.
HORIZONTAL CABLE	1. A PERMANENT ELEMENT OF THE HORIZONTAL CABLING THAT CONNECTS THE TELECOMMUNICATIONS OUTLET/CONNECTOR AT THE WORK AREA AND THE FIRST PIECE OF CONNECTING HARDWARE IN THE HORIZONTAL OR MAIN CROSS-CONNECT. 2. FOUR PAIR 24 AWG UNSHELLED TWISTED PAIR (UTP).
HORIZONTAL CROSS-CONNECT	A GROUP OF CONNECTORS THAT ALLOWS EQUIPMENT AND BACKBONE CABLING TO BE CROSS-CONNECTED.
INNERDUCT	A NONMETALLIC RACEWAY, USUALLY CIRCULAR, PLACED WITHIN A LARGER PATHWAY. (TIA)
INTERMEDIATE CROSS-CONNECT	THE CONNECTION POINT BETWEEN A BACKBONE CABLE THAT EXTENDS FROM THE MAIN CROSS-CONNECT AND THE BACKBONE CABLE FROM THE HORIZONTAL CROSS-CONNECT.
LATENCY	THE TIME IT TAKES FOR A SIGNAL TO PASS THROUGH A DEVICE OR NETWORK.
LOW-VOLTAGE CABLING/CABLING SYSTEM	TELECOMMUNICATIONS SIGNALING (INCLUDES BUILDING AUTOMATION SIGNALING) VOLTAGE LEVELS ARE TYPICALLY POWER-LIMITED WHEN COMPARED TO ELECTRICAL POWER CIRCUITS THAT CAN VARY FROM 10 VOLTS ALTERNATING CURRENT (AC) TO 240 VOLTS AC IN COMMERCIAL BUILDINGS. CIRCUITS TYPICALLY USE AN INHERENTLY LIMITED POWER SOURCE WITHOUT OVER-CURRENT PROTECTION OR OVER-VOLTAGE PROTECTION. OVERCURRENT PROTECTION IS REQUIRED SINCE TELECOMMUNICATIONS CABLING SYSTEMS ARE NOT USED TO DISTRIBUTE ELECTRICAL POWER. THE SIGNALING THAT OCCURS ON THESE COPPER-BASED SYSTEMS IS GENERALLY DESCRIBED AS LOW VOLTAGE.
MAIN CROSS-CONNECT (MC)	THE CROSS-CONNECT NORMALLY LOCATED IN THE (MAIN) TELECOMMUNICATIONS EQUIPMENT ROOM (ER) FOR CROSS-CONNECTION AND INTERCONNECTION OF ENTRANCE CABLES, FIRST-LEVEL BACKBONE CABLES, AND EQUIPMENT CABLES.
NEAR-END CROSSTALK (NEXT) LOSS	1. THE UNWANTED SIGNAL COUPLING BETWEEN PAIRS. IT IS MEASURED AT THE END OF A CABLE NEAREST THE POINT OF TRANSMISSION. CONTRAST WITH FAR-END CROSSTALK. 2. THE SIGNAL TRANSFER BETWEEN CIRCUITS AT THE SAME (NEAR) END OF THE CABLE.
NETWORK	A GROUP OF THREE OR MORE NODES THAT CAN COMMUNICATE WITH EACH OTHER, EITHER DIRECTLY THROUGH CABLING OR INDIRECTLY THROUGH REPEATERS TO SEPARATE CABLING.
OUTSIDE PLANT (OSP)	TELECOMMUNICATIONS INFRASTRUCTURE DESIGNED FOR INSTALLATION EXTERIOR TO BUILDINGS.
PAIR	TWO INSULATED WIRES TWISTED AROUND EACH OTHER.
PAIR TWIST	THE UNIFORM TWIST OF AN INSULATED COPPER PAIR THAT HELPS TO REDUCE THE NEGATIVE EFFECTS OF CAPACITANCE IMBALANCE AND ELECTROMAGNETIC INDUCTION.
PATCH CORD	A LENGTH OF CABLE WITH A PLUG ON ONE OR BOTH ENDS.
PATCH PANEL	A CONNECTING HARDWARE SYSTEM THAT FACILITATES CABLE TERMINATION AND CABLING ADMINISTRATION USING PATCH CORDS.
PATHWAY	1. A SEQUENCE OF CONNECTIONS THAT PROVIDES THE CONNECTIVITY BETWEEN DEVICES ON A NETWORK OR BETWEEN NETWORKS ON AN INTERNETWORK. 2. THE VERTICAL AND HORIZONTAL ROUTE OF THE TELECOMMUNICATIONS CABLE. 3. A FACILITY FOR THE PLACEMENT OF TELECOMMUNICATIONS CABLE. (TIA)
POWER SUM	USED TO SPECIFY A COMBINATION CROSSTALK FROM MULTIPLE SOURCES.
POWER SUM ATTENUATION-TO-CROSSTALK RATIO	A RATIO IN dB DETERMINED BY SUBTRACTING THE INSERTION LOSS FROM THE POWER SUM NEAR-END CROSSTALK LOSS. (TIA)
POWER SUM EQUAL LEVEL FAR-END CROSSTALK (PSELFEXT)	A COMPUTATION OF THE UNWANTED SIGNAL COUPLING FROM MULTIPLE TRANSMITTERS AT THE NEAR-END INTO A PAIR MEASURED AT THE FAR-END, AND NORMALIZED TO THE RECEIVED SIGNAL LEVEL. (TIA)
POWER SUM NEAR-END CROSSTALK (PSNEXT) LOSS	A COMPUTATION OF THE UNWANTED SIGNAL COUPLING FROM MULTIPLE TRANSMITTERS AT THE NEAR-END INTO A PAIR MEASURED AT THE NEAR-END. (TIA)
PULL TENSION	THE PULLING FORCE THAT CAN BE APPLIED TO A CABLE. (TIA)
PUNCH DOWN	THE PROCESS OF TERMINATING COPPER CABLE CONDUCTORS ON INSULATION DISPLACEMENT CONNECTION TERMINALS BY USE OF A HANDHELD TOOL.
QUEUEING	A TECHNIQUE THAT REDUCES TRANSMISSION DELAYS BY CLASSIFYING AND SORTING DATA PRIOR TO PROCESSING BY THE TRANSMITTING DEVICE.
RACEWAY	ANY ENCLOSED CHANNEL DESIGNED FOR HOLDING WIRES OR CABLES. (TIA)
RADIO FREQUENCY INTERFERENCE	ELECTROMAGNETIC INTERFERENCE WITHIN THE FREQUENCY BAND FOR RADIO TRANSMISSION.
RETURN LOSS	A RATIO, EXPRESSED IN dB, OF THE POWER OF THE OUTGOING SIGNAL TO THE POWER OF THE REFLECTED SIGNAL. (TIA)
REVERSED PAIR	A CONDITION IN WHICH THE CONDUCTORS IN A PAIR ARE TERMINATED IN THE WRONG SEQUENCE.
RIBBON CABLE	AN ASSEMBLY OF CONDUCTORS LAD SIDE BY SIDE IN A GEOMETRIC PLANE AND FASTENED TOGETHER.
SCALABILITY	THE ABILITY OF A NETWORK TO GROW WITHOUT DEGRADATION OF QUALITY.
SERVICE LOOP	A SURPLUS OF CABLE AT THE POINT OF TERMINATION TO FACILITATE POTENTIAL FUTURE CHANGES.
SHELDED ENCLOSURE	A METAL ELECTRONICS CABINET CONSTRUCTED WITH WELDED SEAMS AND CONDUCTIVE GASKETS ON THE DOORS THAT SERVE AS AN EFFECTIVE SHIELD AGAINST ELECTROMAGNETIC RADIATION.
SPLIT PAIR	TRANSPOSITION OF TWO CONDUCTORS OF SEPARATE PAIRS.
STAR TOPOLOGY	A NETWORK TOPOLOGY IN WHICH SERVICES ARE DISTRIBUTED FROM A CENTRAL POINT.
STRUCTURED CABLING SYSTEM	THE COMPLETE COLLECTIVE CONFIGURATION OF TELECOMMUNICATIONS CABLING AND ASSOCIATED HARDWARE AT A GIVEN LOCATION.
SWEEEP	BEND THAT HAS A GENTLE ARC RATHER THAN A SHARP BEND.

DEFINITIONS (CONTINUED)

TELECOMMUNICATIONS	ANY TRANSMISSION, EMISSION, AND RECEIPTION OF SIGNS, SIGNALS, WRITINGS, IMAGES, AND SOUNDS, THAT IS, INFORMATION OF ANY NATURE BY CABLE, RADIAL, OPTICAL, OR OTHER ELECTROMAGNETIC SYSTEMS. (TIA)
TELECOMMUNICATIONS BONDING BACKBONE	A CONDUCTOR THAT INTERCONNECTS THE TELECOMMUNICATIONS MAIN GROUNDING BUSBAR (TMGB) TO THE TELECOMMUNICATIONS GROUNDING BUSBAR (TGB). (TIA)
TELECOMMUNICATIONS EQUIPMENT BONDING LOADING	A CONDUCTOR INSTALLED FROM EACH PIECE OF EQUIPMENT TO THE TELECOMMUNICATIONS GROUNDING BUSBAR OR TELECOMMUNICATIONS MAIN GROUNDING BUSBAR.
TELECOMMUNICATIONS CABINET	AN ENCLOSURE USED FOR TERMINATING TELECOMMUNICATIONS CABLES, WIRING, AND CONNECTION DEVICES WITH A HINGED COVER, USUALLY FLUSH-MOUNTED IN THE WALL. (TIA)
TELECOMMUNICATIONS ENCLOSURE	A CASE OR HOUSING FOR TELECOMMUNICATIONS EQUIPMENT, CABLE TERMINATIONS, AND CROSS-CONNECT CABLING. (TIA)
TELECOMMUNICATIONS ENTRANCE FACILITY	1. AN ENTRANCE TO A BUILDING FOR BOTH PUBLIC AND PRIVATE NETWORK SERVICE CABLES (INCLUDING WIRELESS) INCLUDING THE ENTRANCE POINT AT THE BUILDING WALL AND CONTINUING TO THE ENTRANCE ROOM OR SPACE. (TIA) 2. A FACILITY PROVIDED FOR THE INSTALLATION OF NECESSARY MECHANICAL AND ELECTRICAL SERVICES, THAT COMPLIES WITH ALL RELEVANT REGULATIONS, FOR THE ENTIRE TELECOMMUNICATIONS CABLES INTO A BUILDING. (ISO)
TELECOMMUNICATIONS EQUIPMENT ROOM	AN ENVIRONMENTALLY CONTROLLED CENTRALIZED SPACE FOR TELECOMMUNICATIONS EQUIPMENT THAT USUALLY HOUSES A MAIN OR INTERMEDIATE CROSS-CONNECT. (TIA)
TELECOMMUNICATIONS GROUNDING BUSBAR	A COMMON POINT OF CONNECTION FOR TELECOMMUNICATIONS SYSTEM AND EQUIPMENT BONDING TO GROUND, AND LOCATED IN THE TELECOMMUNICATIONS ROOM OR EQUIPMENT ROOM.
TELECOMMUNICATIONS INFRASTRUCTURE	A COLLECTION OF THOSE TELECOMMUNICATIONS COMPONENTS, EXCLUDING EQUIPMENT, THAT TOGETHER PROVIDE THE BASIC SUPPORT FOR THE DISTRIBUTION OF ALL INFORMATION WITHIN A BUILDING OR CAMPUS.
TELECOMMUNICATIONS MAINTENANCE HOLE	A VAULT LOCATED IN THE GROUND OR EARTH AS PART OF A UNDERGROUND DUCT SYSTEM AND USED TO FACILITY PLACING, CONNECTORIZATION, AND MAINTENANCE OF CABLES AS WELL AS THE PLACING OF ASSOCIATED EQUIPMENT, IN WHICH IT IS EXPECTED THAT A PERSON WILL ENTER TO PERFORM WORK. (TIA)
TELECOMMUNICATIONS MEDIA	WIRE, CABLE, OR CONDUCTORS USED FOR TELECOMMUNICATIONS. (TIA)
TELECOMMUNICATIONS OUTLET/CONNECTOR	A CONNECTING DEVICE IN THE WORK AREA ON WHICH HORIZONTAL CABLE OR OUTLET CABLE TERMINATES.
TELECOMMUNICATION ROOM	AN ENCLOSED ARCHITECTURAL SPACE FOR HOUSING TELECOMMUNICATIONS EQUIPMENT, CABLE TERMINATIONS, AND CROSS-CONNECT CABLING. (TIA)
TELECOMMUNICATIONS SPACE	AN AREA USED FOR HOUSING THE INSTALLATION AND TERMINATION OF TELECOMMUNICATIONS EQUIPMENT AND CABLE (E.G., COMMON EQUIPMENT ROOMS, EQUIPMENT ROOMS, COMMON TELECOMMUNICATIONS ROOMS, TELECOMMUNICATIONS ROOMS, WORK AREAS, MAINTENANCE HOLES/HANDHOLES). (TIA)
TRANSPOSED PAIRS	WHEN TWO PAIRS OF CONDUCTORS ARE TERMINATED IN EACH OTHER'S LOCATION.
UNDERGROUND	REFERS TO CONDUIT AND MAINTENANCE HOLES SYSTEMS INSTALLED BELOW THE SURFACE OF THE GROUND.
UNDERGROUND CABLE	A TELECOMMUNICATIONS CABLE DESIGNED TO BE INSTALLED UNDER THE SURFACE OF THE EARTH IN A TROUGH OR DUCT THAT ISOLATES THE CABLE FROM DIRECT CONTACT WITH THE SOIL. (TIA)
UTILITY COLUMN	AN ENCLOSED PATHWAY EXTENDING FROM THE CEILING TO FURNITURE OR TO THE FLOOR THAT FORMS A PATHWAY FOR ELECTRICAL WIRING, TELECOMMUNICATIONS CABLE, OR BOTH. (TIA)
WORK AREA (WORK STATION)	A BUILDING SPACE WHERE THE OCCUPANTS INTERACT WITH TELECOMMUNICATIONS TERMINAL EQUIPMENT. (TIA)
WORK AREA CABLE (CORD)	A CABLE CONNECTING THE TELECOMMUNICATIONS OUTLET/CONNECTOR TO THE TERMINAL EQUIPMENT.
WORK AREA OUTLET	A CONNECTING DEVICE FOR TERMINATION OF HORIZONTAL MEDIA.

TECHNOLOGY LEGEND & SYMBOLS

TELECOMMUNICATIONS SYS.

SYMBOL	DESCRIPTION	SCOPE OF WORK	OUTLET INFORMATION	MOUNTING HEIGHT	NOTES
△	COMMUNICATIONS OUTLET, WHEN INDICATED WITH C,X = THE QUANTITY OF COMMUNICATIONS CABLES, HORIZONTAL CABLING, IN ADDITION TO OTHER CABLES NOTED.	ROUGH-IN CABLING DEVICE	(2) C, (1) 2 GANG BOX	+18" A.F.F. WALL MTD.	CAT6 CABLING
△vi	VIDEO INPUT OUTLET, WHEN INDICATED WITH C,X = THE QUANTITY OF COMMUNICATIONS CABLES, HORIZONTAL CABLING, IN ADDITION TO OTHER CABLES NOTED.	ROUGH-IN CABLING DEVICE	(2) C, (1) 2 GANG BOX	+18" A.F.F. WALL MTD.	SEE AV WIRING DETAIL
△MON	WALL MOUNTED POWER OUTLET, WHEN INDICATED WITH C,X = THE QUANTITY OF COMMUNICATIONS CABLES, HORIZONTAL CABLING, IN ADDITION TO OTHER CABLES NOTED.	ROUGH-IN CABLING DEVICE	(2) C, (1) 2 GANG BOX	+60" A.F.F. WALL MTD.	SEE AV WIRING DETAIL
W	CEILING MOUNTED WIRELESS ACCESS POINT, WHEN INDICATED WITH C,X = THE QUANTITY OF COMMUNICATIONS CABLES, HORIZONTAL CABLING	CABLING DEVICE	--	CEILING MOUNTED	CAT6A CABLING
VP	CEILING MOUNTED PROJECTOR, WHEN INDICATED WITH C,X = THE QUANTITY OF COMMUNICATIONS CABLES, HORIZONTAL CABLING, IN ADDITION TO OTHER CABLES NOTED.	CABLING DEVICE	--	CEILING MOUNTED	SEE AV WIRING DETAIL
→	CONDUIT SLEEVES BETWEEN WALLS		--	--	SEE CONDUIT DETAIL
○○	2 (TWO) 4" CONDUIT SLEEVES BETWEEN FLOORS		--	--	SEE CLOSET BACKBOARD DETAIL
—	LADDER TRAY		--	+96" A.F.F. TO BOTTOM	--
—	TELEPHONE TERMINATION BOARD		--	--	SEE CLOSET BACKBOARD DETAIL
—	SOUND SYSTEM CABINET		--	WALL MOUNTED	--
—	TELECOMMUNICATIONS 2 POST RACK		--	FLOOR MOUNTED	--

SOUND SYSTEMS

SYMBOL	DESCRIPTION	SCOPE OF WORK	ROUGH-IN INFORMATION	MOUNTING HEIGHT	NOTES
(\$)	INTERCOM SPEAKER (CEILING MOUNTED)	CABLING DEVICE	--	CEILING MOUNTED	--
—IC	INTERCOM SPEAKER HORN (WALL MOUNTED)	ROUGH-IN CABLING DEVICE	(1) C, (1) SINGLE GANG BOX	+96" A.F.F. WALL MTD.	--
S	PUBLIC ADDRESS SPEAKER (CEILING MOUNTED)	CABLING DEVICE	(1) C, (1) SINGLE GANG BOX	CEILING MOUNTED	JBL CONTROL 67 OR EQUAL
(M					

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KEY PLAN



PROJECT MANAGER: JAM
DRAWN BY: CDT
PROJECT NUMBER: 224018.00
PROJECT ISSUE DATE: 01-21-2025

REV. NO. □ DESCRIPTION DATE

VERIFICATION NOTE
CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES
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ACCEPTANCE OF CONDITIONS.

SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT
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TD-11

ROOM LEGEND			
ROOM NO.	OWNER ROOM NO.	ROOM NAME	AREA (SF)

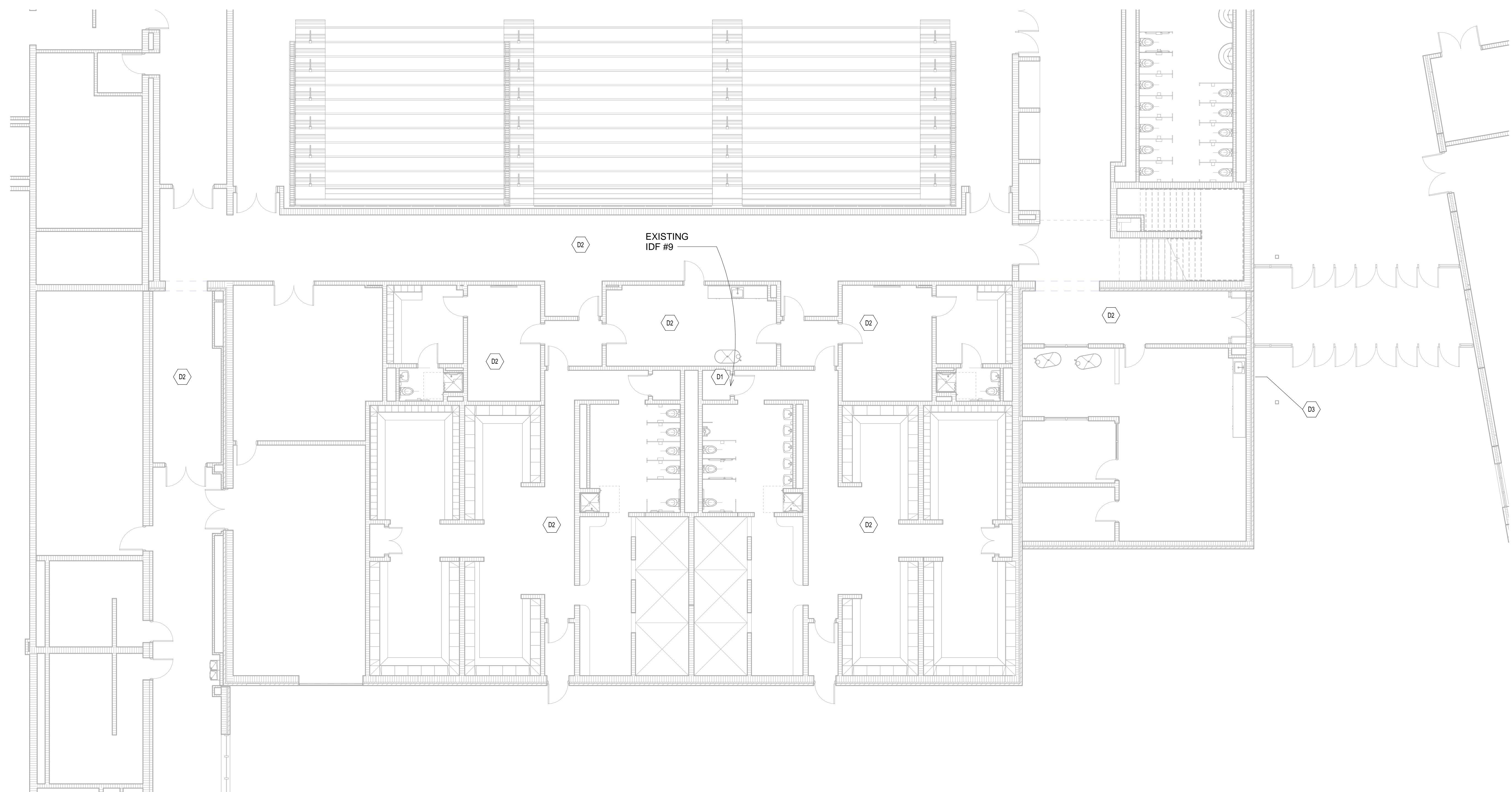
TECHNOLOGY PLAN GENERAL NOTES

A. DEVICES SHALL BE INSTALLED AT LOCATIONS SHOWN ON DRAWINGS. LOCATIONS OF DEVICES SHALL BE COORDINATED WITH OTHER ELECTRICAL DEVICES/ CASEWORK/ARCHITECTURAL FEATURES AND OTHER TRADES. COORDINATION OF LOCATIONS OF DEVICES IS REQUIRED DUE TO LACK OF COORDINATION BETWEEN ELECTRICAL DRAWINGS AND OTHER TRADES. ANY ASSOCIATED COSTS SHALL BE RESPONSIBILITY OF ELECTRICAL CONTRACTOR.

TECHNOLOGY PLAN NOTES
(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

NOTE

- D1 REMOVE ALL DATA EQUIPMENT AND WIRING FROM EXISTING DATA RACK AND TURN DEVICES OVER TO OWNER. REMOVE ALL EXISTING FIBER BACKBONE BACK TO WHERE IT ORIGINATED.
- D2 REMOVE ANY EXISTING NETWORK, PAGING OR CAMERA DEVICES IN THE CEILING OR WALLS AND TURN OVER TO THE OWNER FOR FUTURE USE.
- D3 REMOVE ALL EXISTING WIRING AND CABLES, AND ONE INTERCOM/CAMERA LINE AND ADD FOR CONSTRUCTION PURPOSES EXTEND CABLES FOR RELOCATION. THESE DEVICES WILL BE REINSTALLED TO ORIGINAL LOCATION ON COMPLETION OF THIS OUTER WALL. COORDINATE WITH OWNER ON TEMPORARY LOCATION OF ALL UNITS.



1 FIRST FLOOR TECHNOLOGY DEMOLITION PLAN

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

ZIONSVILLE HS ATHLETIC LOCKER ADDITION

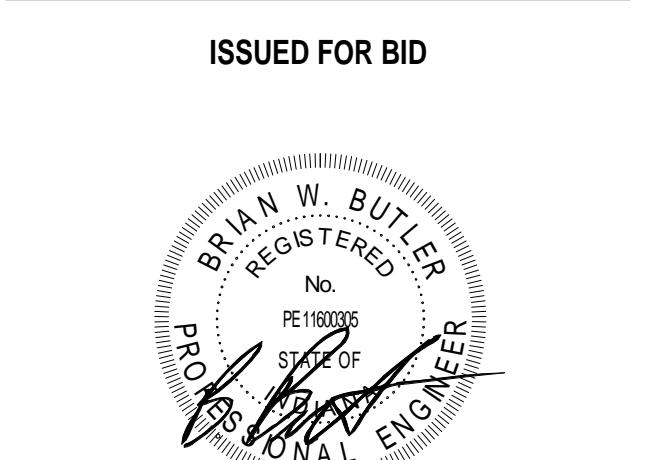
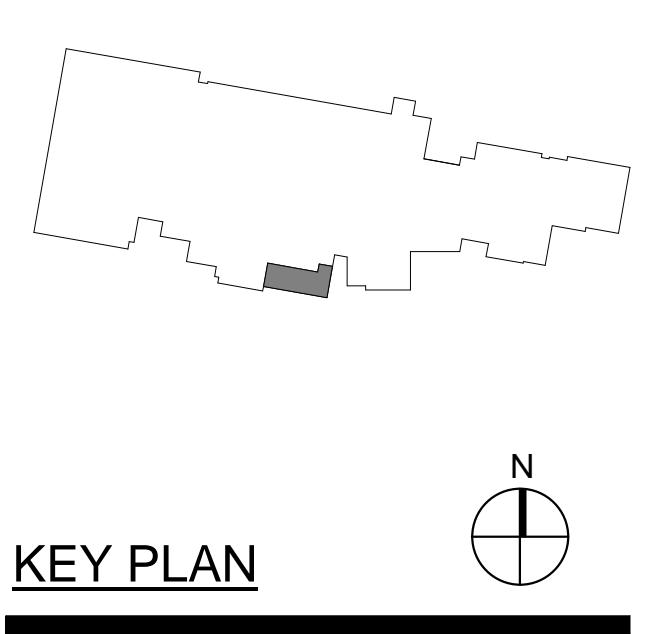
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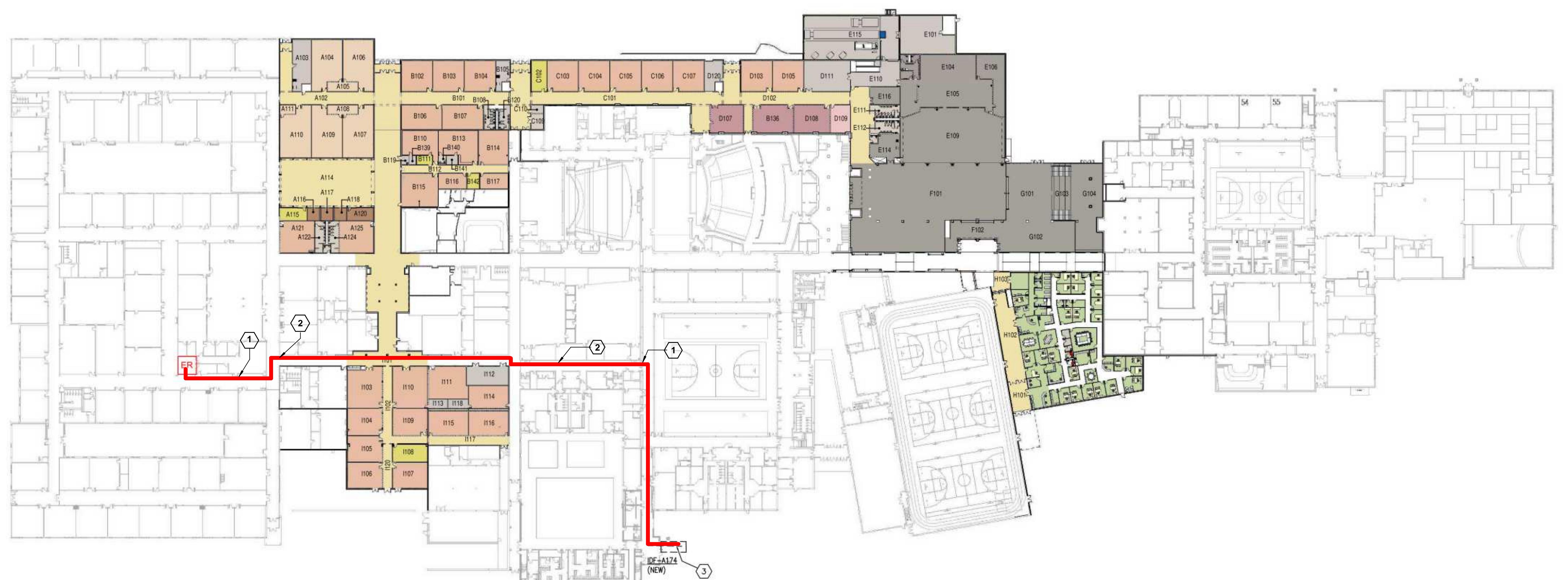
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PROJECT ISSUE DATE: 01-21-2025

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FIRST FLOOR MASTER FLOOR PLAN

SCALE: 1" = 50'-0"

FIRST FLOOR OVERALL
TECHNOLOGY PLAN

T-10

ZIONSVILLE HS ATHLETIC LOCKER ADDITION

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TECHNOLOGY PLAN GENERAL NOTES

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ROOM LEGEND			
ROOM NO.	OWNER ROOM NO.	ROOM NAME	AREA (SF)
A101	C9	CORRIDOR	1376 SF
A102	C9	LAUNDRY	515 SF
A103	C6	MECHANICAL	697 SF
A104		VESTIBULE	46 SF
A105		VESTIBULE	53 SF
A106		OFFICE	123 SF
A107		LOCKERS	110 SF
A108		RESTROOM	70 SF
A109		VESTIBULE	129 SF
A110		STORAGE	19 SF
A111		RESTROOM	226 SF
A112		SHOWER	127 SF
A113		LOCKERS	668 SF
A114		STORAGE	11 SF
A115		SERVICE SINK	34 SF
A116		REF RESTROOM	98 SF
A117		REF RESTROOM	99 SF
A118		STORAGE	66 SF
A119		VESTIBULE	46 SF
A120		VESTIBULE	60 SF

ROOM LEGEND			
ROOM NO.	OWNER ROOM NO.	ROOM NAME	AREA (SF)
A121		OFFICE	237 SF
A122		LOCKERS	110 SF
A123		RESTROOM	70 SF
A124		VESTIBULE	129 SF
A125		STORAGE	19 SF
A126		RESTROOM	226 SF
A127		LOCKERS	127 SF
A128		STORAGE	10 SF
A129		CORRIDOR	170 SF
A130		VESTIBULE	92 SF
A131		STORAGE	40 SF
A132		VESTIBULE	62 SF
A133		LOCKERS	216 SF
A134		RESTROOM	182 SF
A135		VESTIBULE	62 SF
A136		LOCKERS	216 SF
A137		RESTROOM	182 SF
A138		VESTIBULE	40 SF
A139		STORAGE	134 SF
A140		VESTIBULE	60 SF

ROOM LEGEND			
ROOM NO.	OWNER ROOM NO.	ROOM NAME	AREA (SF)
A141		LOBBY	398 SF
A142		OPEN OFFICE	306 SF
A143		VESTIBULE	108 SF
A144		OFFICE	250 SF
A145		STORAGE	12 SF
A146		RESTROOM	66 SF
A147		LOCKERS	89 SF
A148		RESTROOM	229 SF
A149		VESTIBULE	44 SF
A150		RESTROOM	105 SF
A151		VESTIBULE	105 SF
A152		OFFICE	249 SF
A153		STORAGE	12 SF
A154		RESTROOM	25 SF
A155		LOCKERS	799 SF
A156		RESTROOM	229 SF
A157		VESTIBULE	44 SF
A158		VESTIBULE	105 SF
A159		OFFICE	249 SF
A160		STORAGE	12 SF

ROOM LEGEND			
ROOM NO.	OWNER ROOM NO.	ROOM NAME	AREA (SF)
A161		RESTROOM	86 SF
A162		LOCKERS	799 SF
A163		RESTROOM	248 SF
A164		VESTIBULE	44 SF
A165		RESTROOM	66 SF
A166		VESTIBULE	104 SF
A167		OFFICE	250 SF
A168		STORAGE	12 SF
A169		RESTROOM	86 SF
A170		LOCKERS	794 SF
A171		RESTROOM	248 SF
A172		VESTIBULE	44 SF
A173		EL	35 SF
A174		TECHNOLOGY	46 SF
A175	C6	CORRIDOR	105 SF
A176	C402	TRAINING	703 SF
A177	C402A	OFFICE	178 SF
A178		STORAGE	69 SF
A179		CORRIDOR	251 SF
A180	C6	VESTIBULE	35 SF
A181		Room	307 SF
C111		Room	10259 SF
C308E		Room	59 SF
C410A		MEN'S COMMUNITY LOCKER ROOM	204 SF
C410E		Room	103 SF
S1		STAIR	174 SF

TECHNOLOGY PLAN NOTES

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

NOTE

T3. RELOCATE EXISTING CARD READER, AIRPHONE, INTERCOM/CAMERA UNIT AND ADO FOR CONSTRUCTION PURPOSES. EXTEND CABLES FOR RELOCATION. THESE DEVICES SHALL BE RELOCATED TO OWNER BY CONTRACTOR AS COMPLETED ON THIS OUTER WALL COORDINATE WITH OWNER ON TEMPORARY LOCATION OF ALL UNITS.

T6. LOCATION OF NEW TR TELECOMMUNICATION EQUIPMENT. PROVIDE COORDINATE WITH OWNER FOR INFORMATION.

T7. ROUGH IN DOOR CONTROL CABLE AND ALL CONTROLMONITORING HARDWARE TO ALL 8 EXTERIOR DOORS IN DOOR 3 ENTRY. FOLLOW EXISTING DOOR CONSTRUCTION. DOOR 3 ENTRY IS 36" WIDE. SWING DOWN FRAME TO WHIP. MAY HAVE TO SWAP OUT 1/4" RACEWAY TO 1/2" IF FRAME IS NOT FISHABLE. THESE WILL TERMINATE TO DIV 2 CONTRACTOR.

T8. PROVIDE, INSTALL AND PROGRAM A NEW CAREHAWK CH1000 CABINET ALONG WITH F5KFBM4 CARDS IN TR AND TO CONVERT FIBER SIGNALS FOR NEW LOCKER ROOM DOOR.

T9. EXTERIOR NO-HUM SPEAKERS SHOULD BE PROGRAMMED TO SEPARATE ZONE IN CAREHAWK SOFTWARE WITH ADJUSTABLE VOLUME CONTROL.

T10. SPEAKERS AND VOLUME CONTROLS MARKED WITH A "G" IS EXTERIOR NO-HUM SPEAKER AND MONITORING SOUND SYSTEM AS SHOWN ON T501 NOTE.

T13. EXISTING ADD CONTROL WILL STAY ON THIS DOOR.

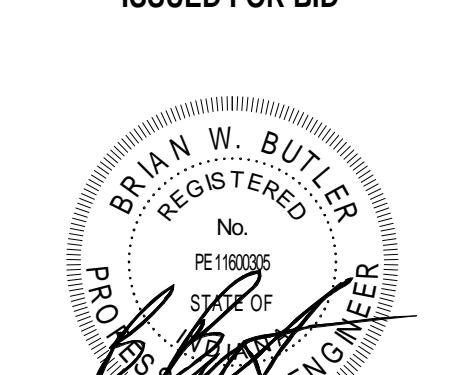
T15. ACCESS CONTROL PANEL AND JUNCTION BOXES SHOWN AS REFERENCED ONLY. DIV28 CONTRACTOR TO ROUGH IN DOOR Casing AND Provide Power to Access Control. DIV28 CONTRACTOR TO TERMINATE AND PROGRAM, TERMINATED AND TESTED DATA CABLES TO BE PROVIDED BY DIV27 CONTRACTOR.

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KEY PLAN



PROJECT MANAGER: JAM
DRAWN BY: CDT
PROJECT NUMBER: 224018.00
PROJECT ISSUE DATE: 01-21-2025

REV. NO. □ DESCRIPTION DATE

VERIFICATION NOTE
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SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

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1 FIRST FLOOR TECHNOLOGY

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

T-11

ZIONSVILLE HS ATHLETIC LOCKER ADDITION

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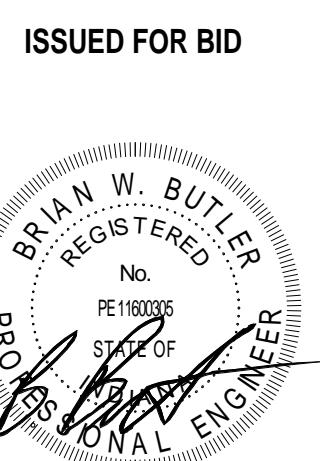
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ROOM LEGEND			
ROOM NO.	OWNER ROOM NO.	ROOM NAME	AREA (SF)
114'-0" - 2ND FLOOR MP			
A201		MULTIPURPOSE	8618 SF
A202		RAMP 1	344 SF
A203		STORAGE	682 SF
A205		RAMP 2	317 SF
A206		CORRIDOR	310 SF
A207		LOCKERS	494 SF
A208		BATHROOM	112 SF
A209		STORAGE	399 SF
A211		EXISTING CORRIDOR	1219 SF
A212		SERVICE	50 SF
A213		IT CLOSET	31 SF
FIRST FLOOR			
A143		VESTIBULE	109 SF
A147		LOCKERS	808 SF
S1		STAIR	174 SF
SECOND FLOOR			
A204		VESTIBULE	46 SF
A210		EXISTING CORRIDOR	1422 SF
C203		Room	1098 SF
XAE204		EXISTING CORRIDOR	2568 SF

TECHNOLOGY PLAN NOTES
(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

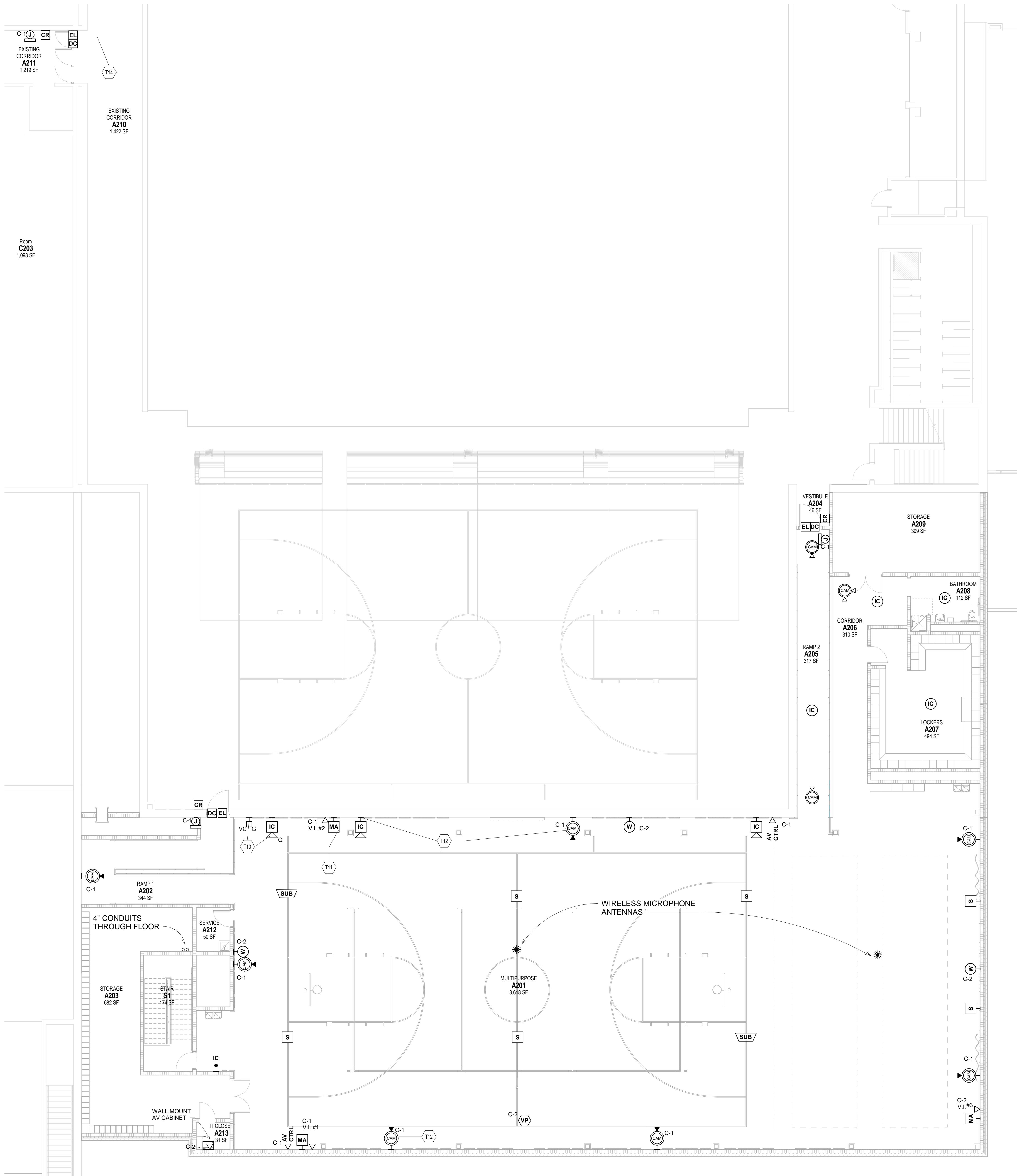
NOTE

T10 SPEAKERS AND VOLUME CONTROLS MARKED WITH A 'G' IS EQUIPMENT FOR THE VARSITY GYM MONITORING SOUND SYSTEM AS SHOWN ON T501 NOTE #8.

T11 PROVIDE LOCKABLE WALL BOXES AS SHOWN ON T501 DETAIL #6.

T12 EQUIPMENT LOCATED IN MULTIPURPOSE ROOM A201 SHALL HAVE PROTECTIVE WIRE-PLASTIC GUARDS TO PROTECT IT FROM GYMNASIUM ACTIVITIES.

T14 ROUGH IN DOOR CONTROL CABLE AND ALL CONTROL/MONITORING HARDWARE TO THESE 3 INTERIOR DOORS. THESE WILL TERMINATE TO THE NEAREST VERMADIA ADP.



ZIONSVILLE HS ATHLETIC LOCKER ADDITION

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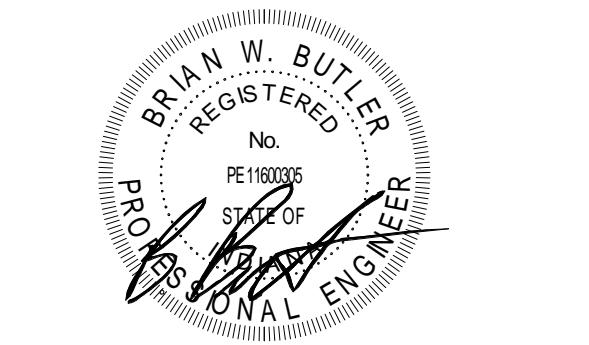
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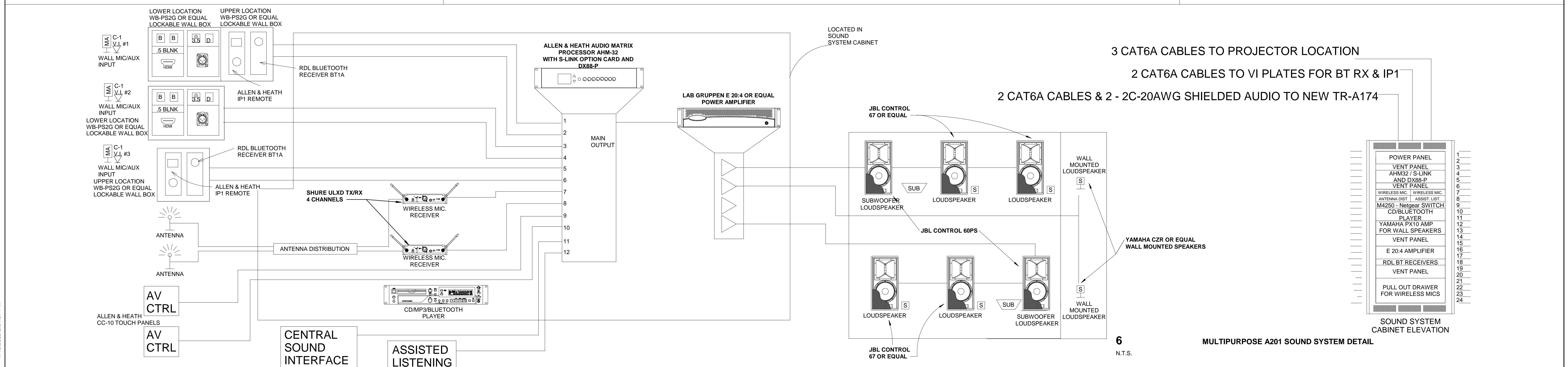
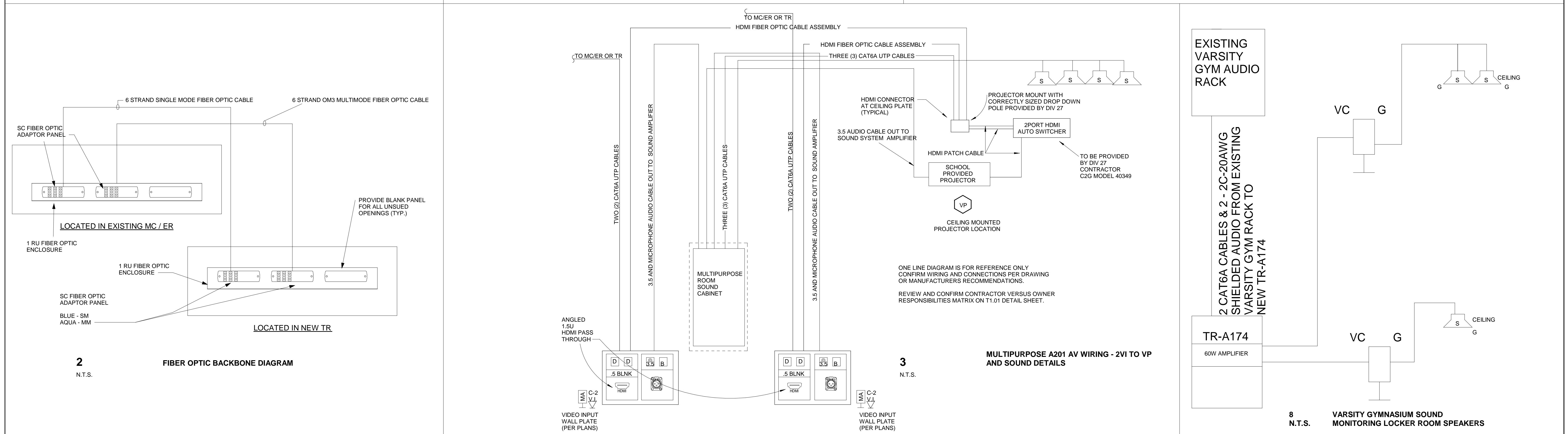
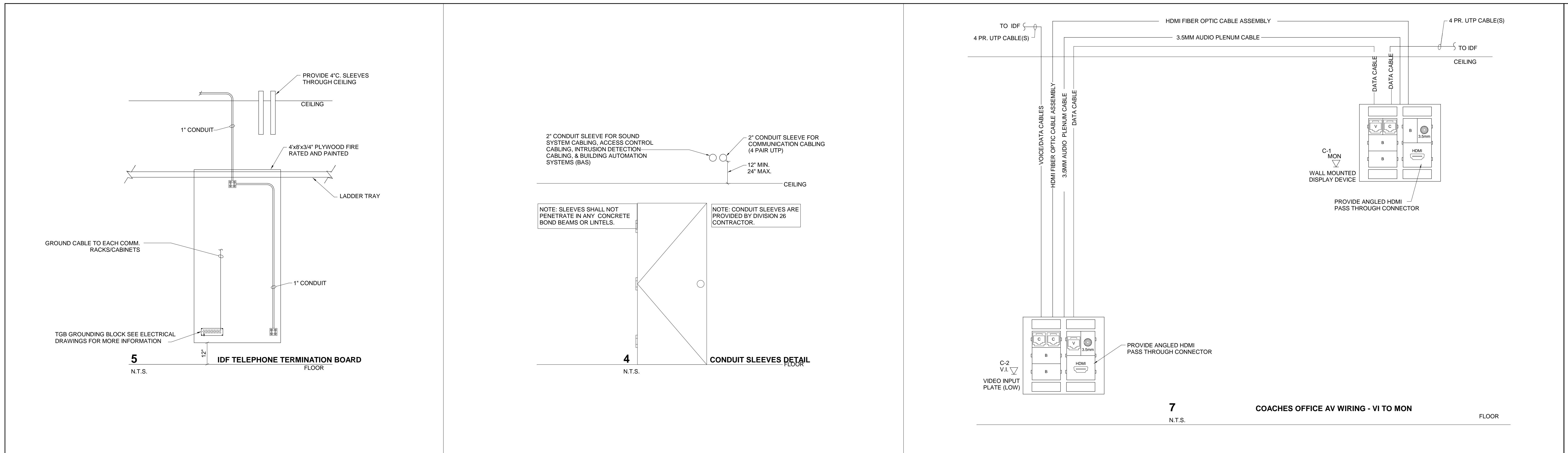


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TECHNOLOGY DETAILS

T-51



ZIONSVILLE HS ATHLETIC LOCKER ADDITION

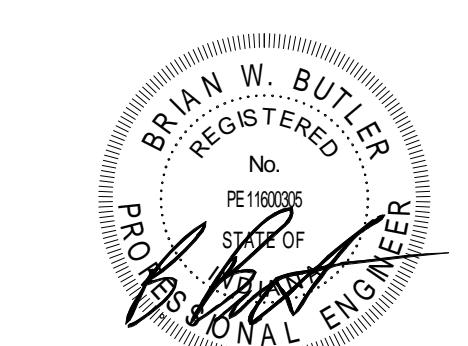
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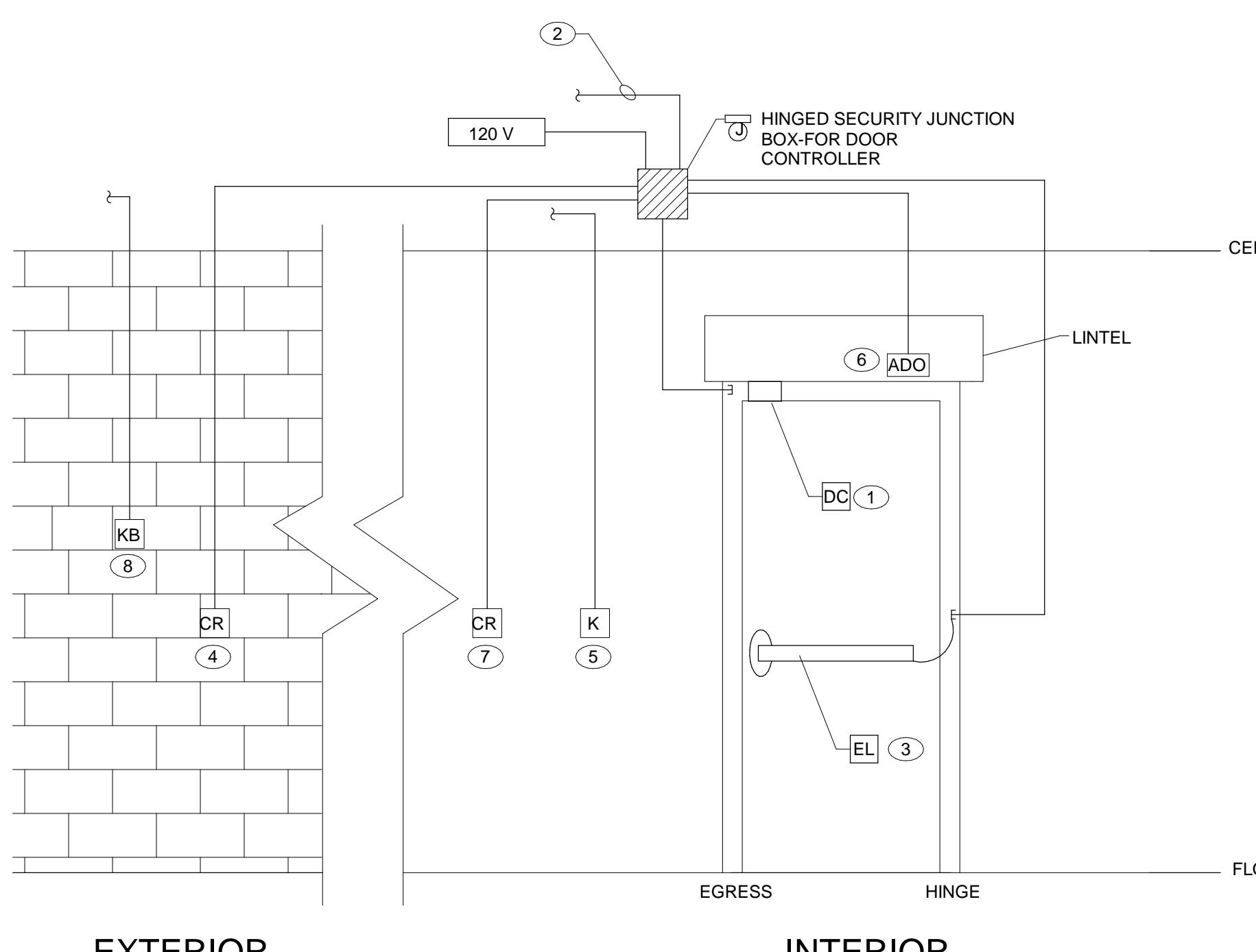


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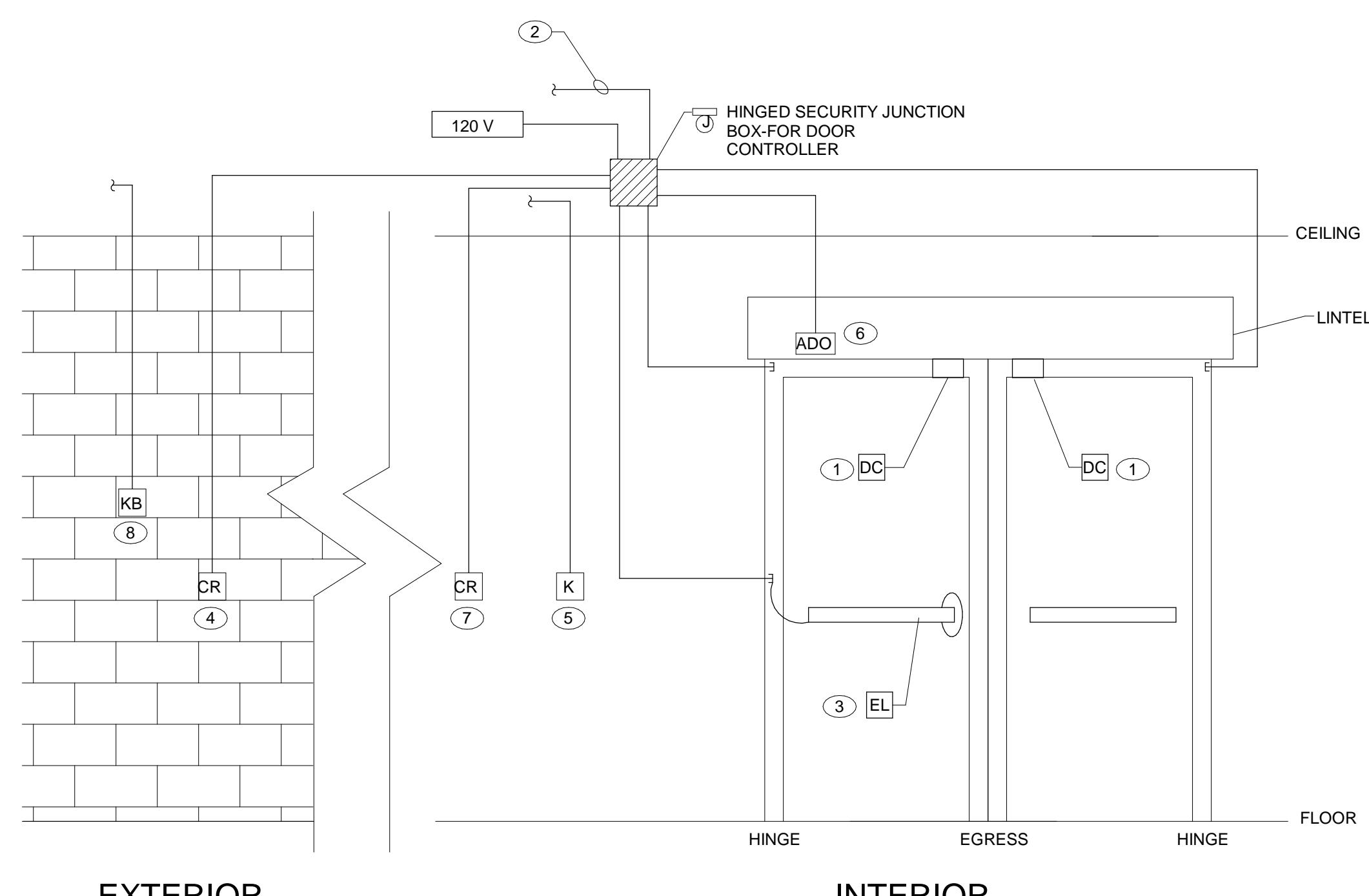
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TECHNOLOGY DETAILS

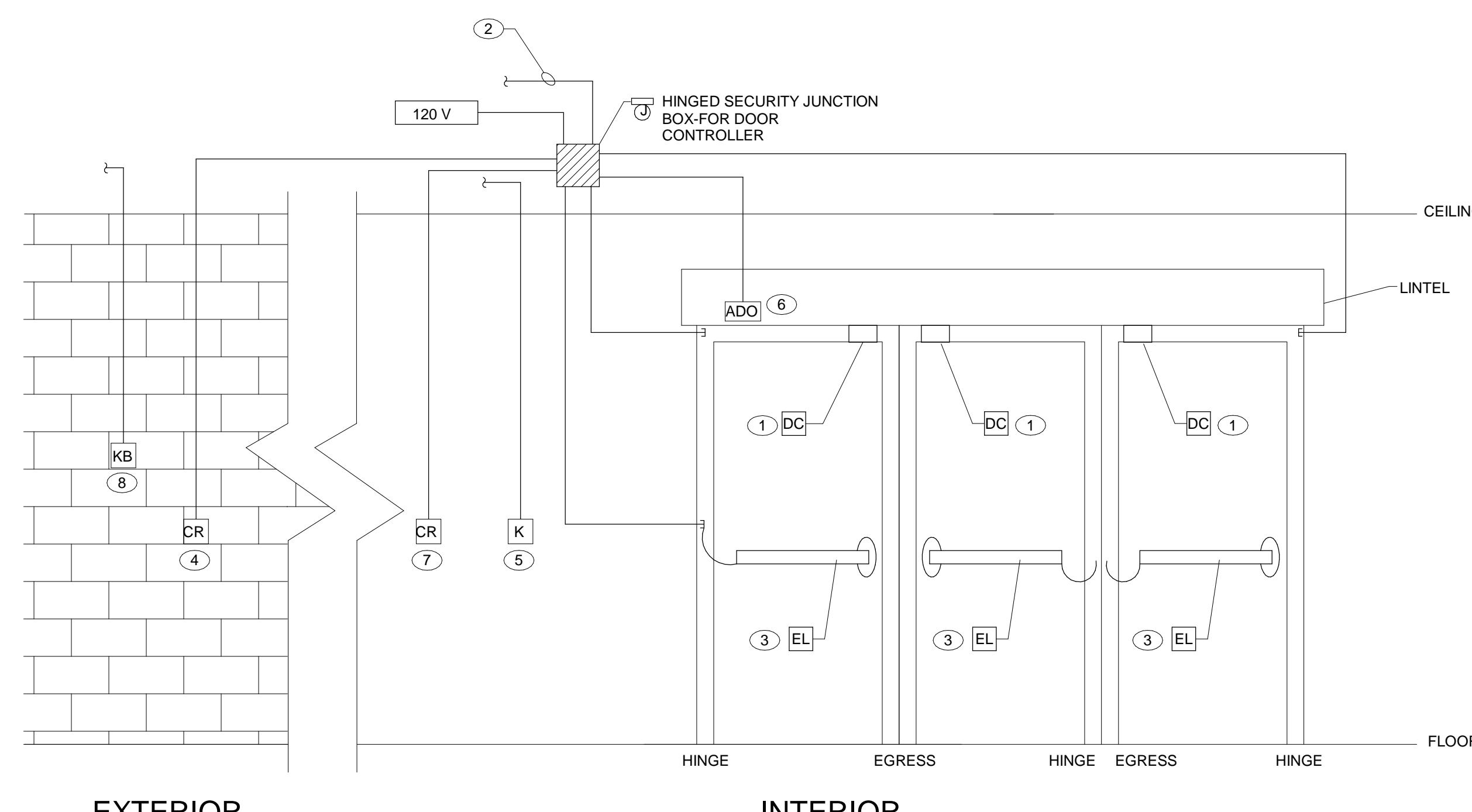
T-52



SINGLE DOOR ENTRY



DOUBLE DOOR ENTRY



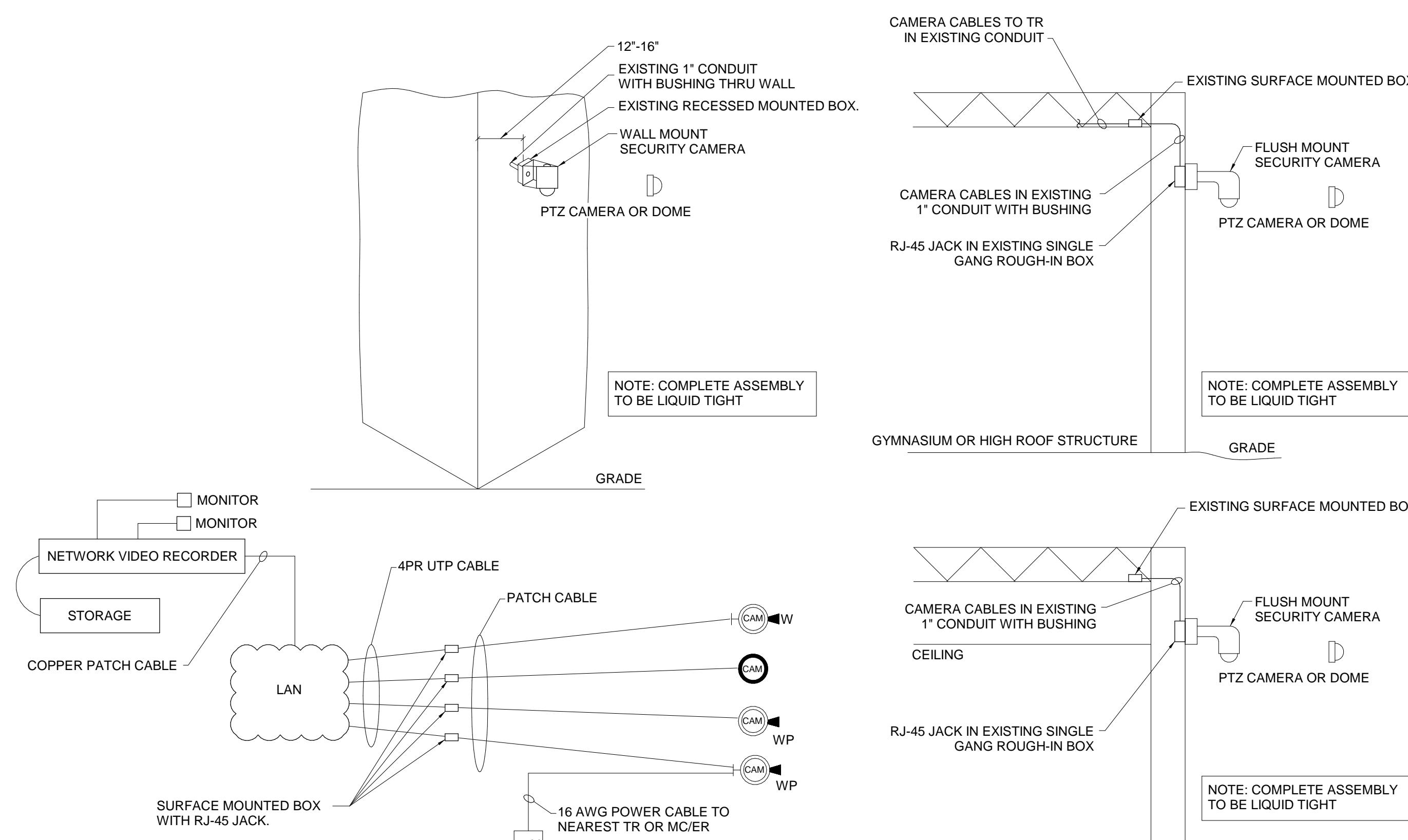
MULTIPLE DOOR ENTRY

DOOR SECURITY WIRING LEGEND

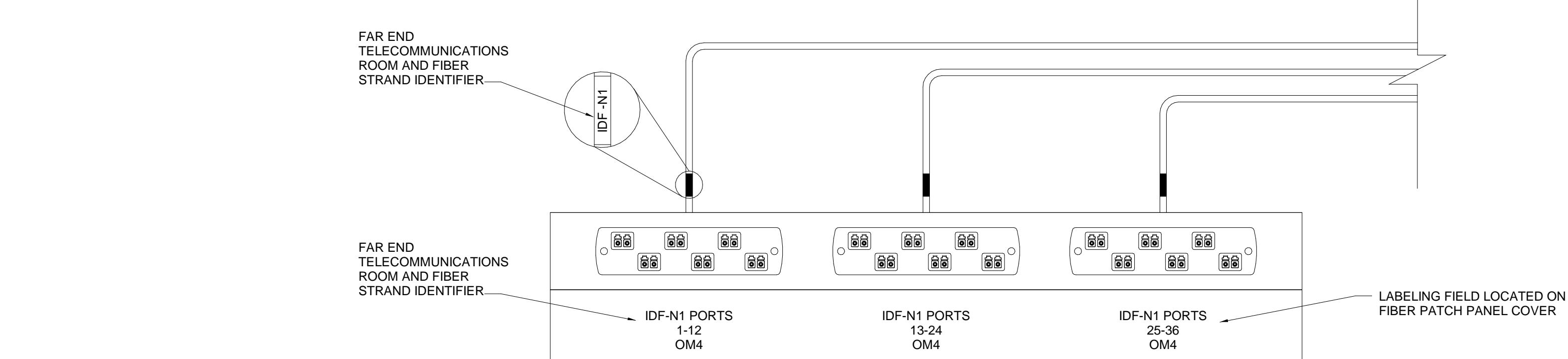
- ① PROVIDE 22/2 AWG FOR DOOR CONTACT TO HINGED SECURITY JUNCTION BOX.
- ② PROVIDE 4PR UTP FROM HINGED SECURITY JUNCTION BOX TO NEAREST TR OR MC/ER.
- ③ PROVIDE 18/6 AWG FOR POWER TRANSFER/ELECTRIC LATCH & REQUEST FOR EXIT MICRO SWITCH TO HINGED SECURITY JUNCTION BOX.
- ④ PROVIDE 22/6 AWG FOR CARD READER TO HINGED SECURITY JUNCTION BOX.
- ⑤ PROVIDE 22/6 AWG FOR KEYPAD TO NEAREST TR OR MC/ER.
- ⑥ PROVIDE 22/4 AWG FROM ADO OPERATOR TO HINGED SECURITY JUNCTION BOX.
- ⑦ PROVIDE 22/6 AWG FOR CARD READER TO HINGED SECURITY JUNCTION BOX. INTERFACE CARD READER WITH INTRUSION DETECTION SYSTEM TO DISABLE ALARM SYSTEM.
- ⑧ PROVIDE 22/2 AWG FROM FIRE DEPARTMENT KNOX BOX TO SECURITY SYSTEM IN THE NEAREST TR.

NOTE: TYPICAL DOOR WIRING DETAILS BY THE SECURITY SYSTEM CONTRACTOR. REFER TO FLOOR PLANS FOR EXACT QUANTITIES AND DOOR CONFIGURATIONS

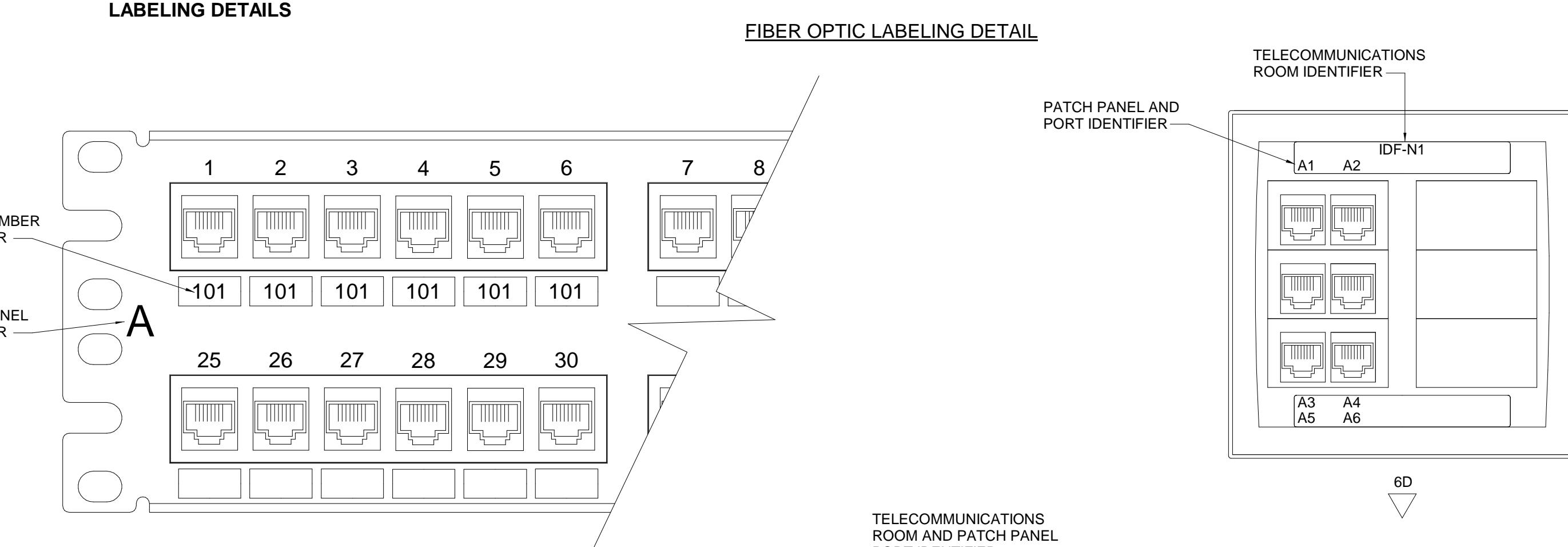
1 N.T.S. DOOR SECURITY HARDWARE WIRING DETAILS



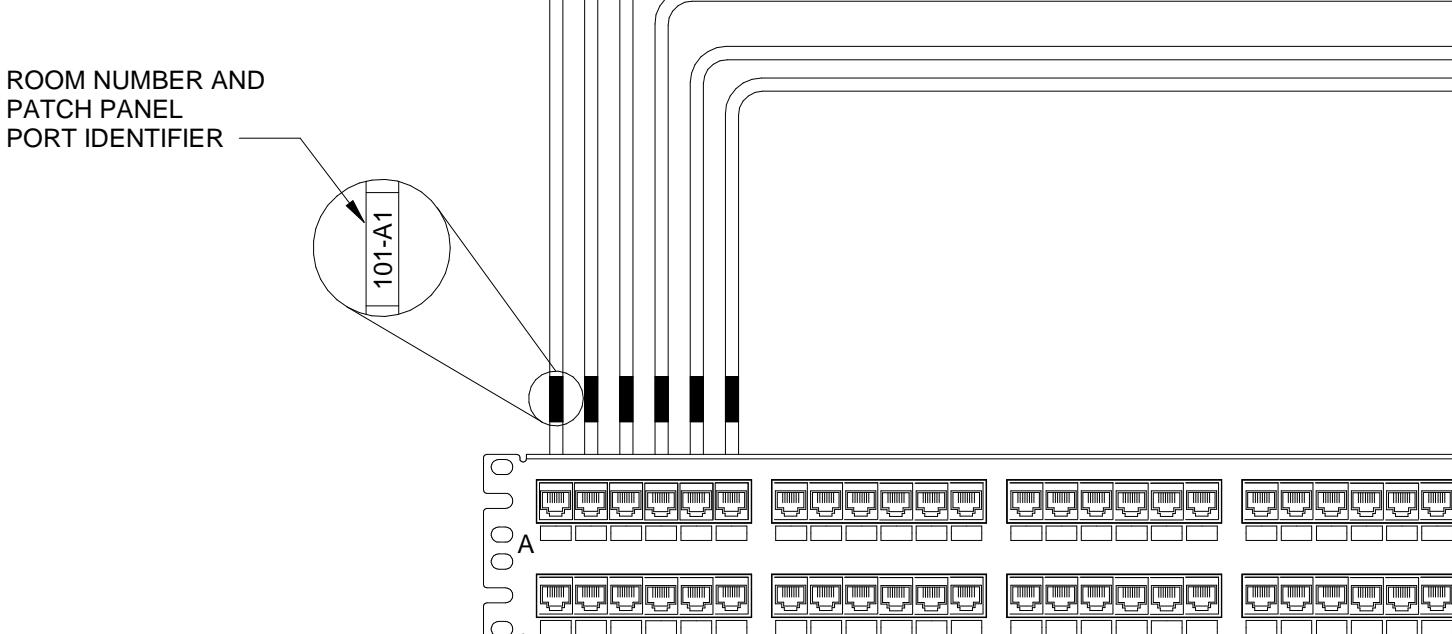
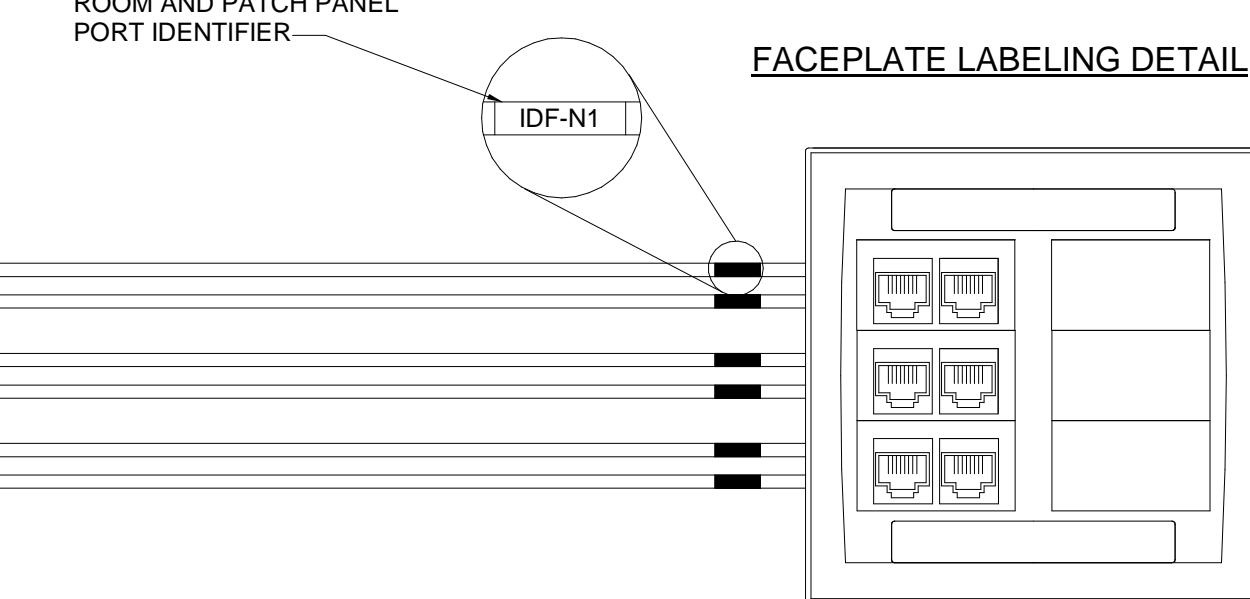
**2
N.T.S.
VIDEO SURVEILLANCE SYSTEM WIRING DETAIL**



**3
N.T.S.
LABELING DETAILS**



COPPER PATCH PANEL LABELING DETAIL



TELECOMMUNICATIONS LABELING GENERAL NOTES:

- A. LABELS INDICATED ARE FOR REFERENCE ONLY. CONFIRM FINAL LABELING SCHEME WITH OWNER PRIOR TO LABELING. LABELING SCHEME SHALL BE SUBMITTED AS PART OF THE SUBMITTAL DOCUMENTATION.
- B. CONFIRM FINAL ROOM NUMBERS WITH OWNER PRIOR TO FINAL LABELING.
- C. QUANTITY OF CABLES AND CONNECTOR TYPES ARE FOR REFERENCE ONLY. REFER TO SPECIFICATIONS AND RISER DIAGRAM FOR EXACT QUANTITIES AND CONNECTOR TYPE.

HORIZONTAL DATA CABLE LABELING DETAIL