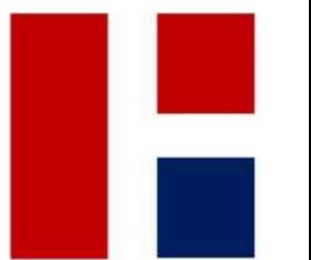


12011 OLIO ROAD FISHERS, INDIANA

Project Description: Maintenance improvements to existing sidewalk at the front entrance.



ADDENDUM #2 02.06.25

Karen Collins

CONSTRUCTION DOCUMENTS
01.06.25
krm JOB NO.
23055
DRAWN BY
A&F

DRAWING NAME

OVER SHEET

DRAWING NO.

C100



Know what's below.
Call before you dig.



PROJECT SOIL SURVEY	
YbvA	Brookston silty clay loam-Urban land complex, 0 to 2 percent slopes
YclA	Crosby silt loam, fine-loamy subsoil-Urban land complex, 0 to 2 percent slopes



REVISIONS		
MARK	DATE	DESCRIPTION
△	02.06.25	ADDENDUM #2
△		
△		
△		

BENCHMARK 100:
REBAR SET W/ CAP "JQOL FIRM 0154"
ELEV:835.85

TEMPORARY
BENCHMARK 109:
CHISLED "X" ON NORTH BOLT OF FIRE HYDRANT
ELEV:837.40

BENCHMARK 101:
REBAR SET W/ CAP "JQOL FIRM 0154"
ELEV: 838.51

ALL OF THE PARCEL DESCRIBED HEREIN DOES NOT LIE WITHIN THAT SPECIAL FLOOD ZONE "A", BUT LIES WITHIN FLOOD ZONE "X". AS SAID PARCEL PLOTS ON COMMUNITY PANEL NUMBER 18057C0584G (DATED NOVEMBER 19, 2014) OF THE FLOOD INSURANCE RATE MAPS FOR THE TOWN OF FISHERS, INDIANA, THE ACCURACY OF THIS FLOOD HAZARD STATEMENT IS SUBJECT TO MAP SCALE UNCERTAINTY AND TO ANY OTHER UNCERTAINTY IN LOCATION OR ELEVATION ON THE REFERENCED FLOOD INSURANCE RATE MAP.

Z:\2024\24001-KRM ARCHITECTURE, LAND DEVELOPMENT, FALL CREEK INTERMEDIATE RENOVATION\DWG\C101 EXISTING CONDITIONS.DWG plotted by KAREN COLLINS on 2/2/2025 5:14:48 PM last saved by SPOURKE on 2/2/2025 9:24:49 AM
Xrefs: 24001 BASE (COURTINE & A_24001 THE BLOCKING

OLIO ROAD
VARIABLE WIDTH RIGHT OF WAY
PUBLIC



DEMOLITION PLAN NOTES

1. EROSION CONTROL SHALL BE IN PLACE PRIOR TO ANY SOIL DISTURBANCE, INCLUDING PAVEMENT REMOVAL.
2. THE CONTRACTOR SHALL HIRE A PRIVATE LOCATOR TO VERIFY THE LOCATION AND DEPTH OF UNDERGROUND UTILITIES TO BE PROTECTED, REMOVED, RELOCATED OR ABANDONED PRIOR TO COMMENCING FOR ACTIVITIES. IF CONFLICTS EXIST, NOTIFY THE ENGINEER IMMEDIATELY.
3. THE CONTRACTOR SHALL COORDINATE WORK ASSOCIATED WITH THE REMOVAL, RELOCATION OR ABANDONMENT OF UTILITIES WITH THE UTILITY COMPANY OR ENTITY HAVING OWNERSHIP OF EACH RESPECTIVE UTILITY. COSTS FOR DISCONNECTION, REMOVAL AND/OR RELOCATION OF EXISTING UTILITIES AS SHOWN ON THE DRAWINGS OR AS NECESSARY TO ALLOW FOR EXECUTION OF THE WORK SHALL BE PAID BY THE CONTRACTOR.
4. NO OPEN BURNING SHALL BE PERMITTED ON THE SITE.
5. THE OWNER HAS FIRST SALVAGE RIGHTS ON ALL ITEMS REMOVED. IF OWNER FORFEITS RIGHTS, ALL DEMOLISHED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE LEGALLY DISPOSED OF OFF-SITE UNLESS OTHERWISE SHOWN.
6. UNLESS SCHEDULED FOR DEMOLITION ON THE DRAWINGS, ALL TREES AND VEGETATION SHALL BE PROTECTED THROUGHOUT THE DURATION OF THE PROJECT. PROTECTIVE MEASURES SHALL INCLUDE INSTALLATION AND MAINTENANCE OF TREE PROTECTION FENCING TO BE LOCATED WHERE SHOWN AND AT THE DRIPLINE OF ALL TREES LOCATED WITHIN CLOSE PROXIMITY OF AREAS WHERE HEAVY EQUIPMENT WILL OPERATE.
7. A CLEAN, STRAIGHT EDGE SHALL BE SAWCUT BETWEEN ALL CONCRETE AND ASPHALT SURFACES SCHEDULED FOR DEMOLITION AND CONCRETE AND ASPHALT SURFACES TO REMAIN IN-PLACE.
8. TERMINAL ENDS OF UNDERGROUND UTILITIES ABANDONED IN-PLACE SHALL BE CUT, CAPPED AND PLUGGED. THE ENDS OF DISCONNECTED UNDERGROUND UTILITIES SHALL BE MARKED FOR FUTURE IDENTIFICATION WITH DETECTABLE LOCATOR TAPE OR A METAL ROD.
9. ALL SIDEWALKS, CURBS, APPARATUSES, ETC., DESIGNATED FOR REMOVAL SHALL BE DEMOLISHED ACCORDING TO SPECIFICATIONS.
10. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN SAFE ACCESS FOR PEDESTRIANS AND VEHICLE TRAFFIC. THE CONTRACTOR WILL MAINTAIN ALL UTILITY SERVICES TO ALL BUILDING SECTIONS. IF UTILITY SERVICES MUST BE INTERRUPTED, THE CONTRACTOR SHALL COORDINATE THAT SHUTDOWN TO MINIMIZE IMPACT TO THE BUILDING AND SCHOOL FACILITIES. COORDINATE SHUTDOWN AT LEAST ONE WEEK IN ADVANCE WITH BUSINESS, OWNER'S REPRESENTATIVE AND FACILITY MANAGER.
11. ALL EXISTING ON-SITE UTILITIES SHALL REMAIN UNLESS DESIGNATED FOR REMOVAL, OR UNLESS THEY INTERFERE WITH PROJECT CONSTRUCTION. CONTACT ENGINEER BEFORE REMOVING. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES TO REMAIN.

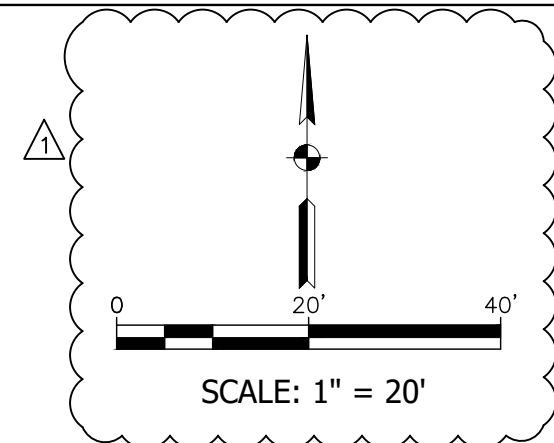
12. EXISTING MANHOLES, CATCH BASINS, CLEANOUTS, VALVE BOXES, FRAMES COVERS AND GRATES REMAINING IN USE SHALL BE PROTECTED AND ADJUSTED TO FINAL GRADES.
13. FOR ALL UTILITY LINES AND STRUCTURES DESIGNATED TO BE REMOVED, PLACE AND COMPACT STRUCTURAL BACKFILL WITHIN TRENCH/EXCAVATION.
14. SAWCUT INTEGRAL CURB & WALK AT NEAREST CONSTRUCTION JOINT WHEN ADJACENT INTEGRAL CURB & WALK IS TO REMAIN.
15. CONTRACTOR SHALL CUT CONCRETE AT NEAREST CONSTRUCTION JOINT.

PROTECTION NOTES

1. PROTECT ALL LIGHT POLES, UTILITIES, CONCRETE AND CURBS UNLESS SPECIFICALLY DESIGNATED FOR REMOVAL.
2. ALL STRIPING SHALL BE REINSTALLED IN THE SAME CONFIGURATION AS IT EXISTS AT THE TIME OF THE SURVEY, EXCEPT WHERE SHOWN ON THE SITE PLAN.

REMOVAL NOTES

1. REMOVE INTEGRAL CURB & SIDEWALK & SIDEWALK AT NEAREST CONSTRUCTION JOINTS
2. SAW CUT
3. PROTECT EXISTING UTILITIES DURING CONSTRUCTION
4. PROTECT EXISTING COLUMN

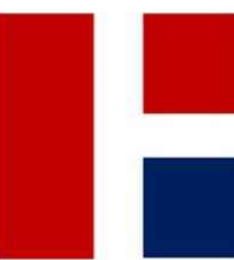
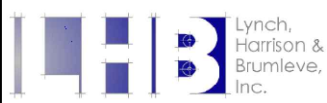


FALL CREEK INTERMEDIATE SCHOOL
±129,500 SFT
BUILDING HEIGHT = ±39.81

STORM INLET
RIM=836.51
12" RCP INV=834.51 (EAST)
10" CPP INV=834.60 (SOUTHWEST)

STOP
10" CPP INV=834
8" CPP INV=834.80 (EAST)
10" CPP INV=834.80 (SOUTHWEST)

STORM MANHOLE
RIM=837.96
8" CPP INV=833.69 (NOR)
10" CPP INV=833.71 (SOU)
10" CPP INV=833.62 (SOU)
12" CPP INV=833.66 (WES)
10" CPP INV=833.70 (NOR)



REVISIONS
ADDENDUM #2 02.06.25

01.06.25
HAMILTON SOUTHEASTERN SCHOOLS
23055 - FALL CREEK INTERMEDIATE RENOVATIONS
12011 Ole Rd. Fishers, IN 46037
CONSTRUCTION DOCUMENTS
SET TO BE PRINTED IN COLOR

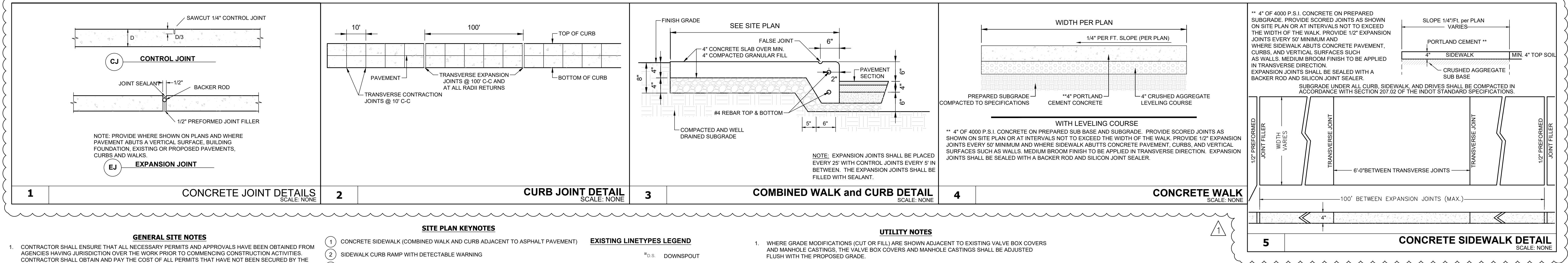


Karen Collins

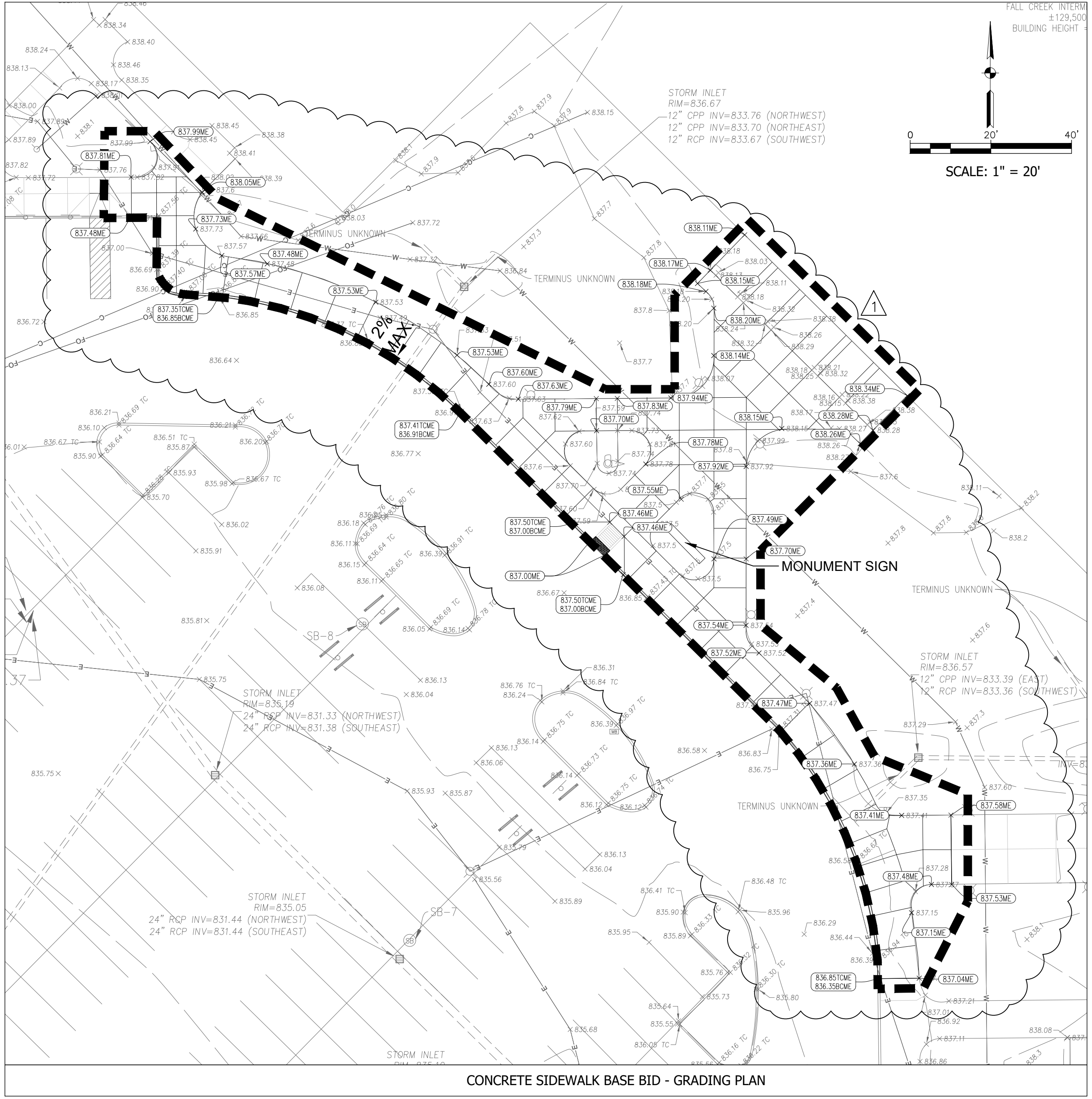
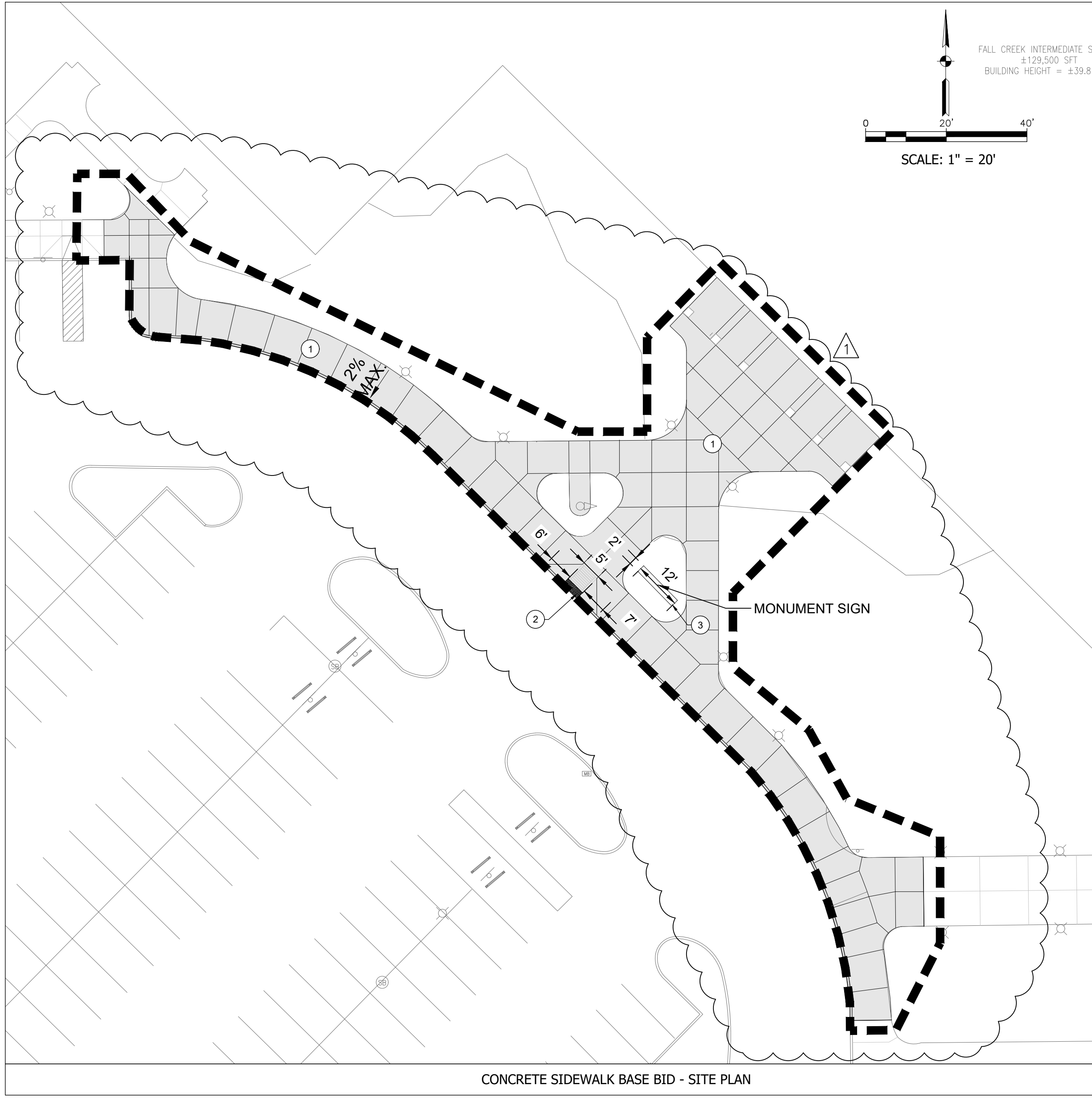
CONSTRUCTION DOCUMENTS
01.06.25
KRM JOB NO.
23055
DRAWN BY
A&F

DRAWING NAME
EXISTING
CONDITIONS &
DEMO PLAN

DRAWING NO.
C102



- GENERAL SITE NOTES**
- CONTRACTOR SHALL ENSURE THAT ALL NECESSARY PERMITS AND APPROVALS HAVE BEEN OBTAINED FROM AGENCIES HAVING JURISDICTION OVER THE WORK PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL OBTAIN AND PAY THE COST OF ALL PERMITS THAT HAVE NOT BEEN SECURED BY THE OWNER.
 - CONTRACTOR SHALL COMPLY WITH THE CONSTRUCTION SAFETY STANDARDS AS ISSUED BY THE U.S. DEPARTMENT OF LABOR OCCUPATIONAL HEALTH AND SAFETY ADMINISTRATION AS SET FORTH IN FINAL RULE 29, PART 1926, WHERE SUCH REGULATIONS APPLY TO THE WORK.
 - CONTRACTOR SHALL NOTIFY UTILITY COMPANIES AND REQUEST FIELD LOCATIONS OF FACILITIES WITHIN THE WORK AREA PRIOR TO COMMENCING EXCAVATION ACTIVITIES. CONTRACTOR SHALL REPORT ANY VARIATIONS FROM THE LOCATIONS SHOWN THAT MAY PRESENT A CONFLICT WITH EXECUTION OF THE WORK TO THE ENGINEER PRIOR TO CONSTRUCTION.
 - MATERIALS AND WORKMANSHIP SHALL COMPLY WITH ALL APPLICABLE CODES, SPECIFICATIONS, LOCAL ORDINANCES, INDUSTRY STANDARDS AND UTILITY COMPANY REGULATIONS.
 - MAINTENANCE OF TRAFFIC SHALL BE PER THE MUTCD. COORDINATE ANY CLOSURES WITH THE SCHOOL.
- STRIPING NOTE**
- ALL STRIPING SHALL BE REPLACED TO MATCH EXISTING CONDITION EXCEPT WHERE SHOWN. ALL EXISTING WHITE AND YELLOW MARKINGS SHALL BE RETAINED. ALL CURBS THAT ARE CURRENTLY PAINTED YELLOW SHALL BE REPAINTED YELLOW PER PROJECT SPECIFICATIONS.
- NOTE**
- ALL CURBS, SIDEWALKS AND POWER POLES SHALL BE POWER WASHED.
- EXISTING LINETYPES LEGEND**
- | | |
|-----------------------|-------------------------------|
| --- D.S. --- | --- DOWNSPOUT --- |
| --- STORM LINE --- | --- STORM LINE --- |
| --- SANITARY LINE --- | --- SANITARY LINE --- |
| --- G --- | --- GAS LINE --- |
| --- W --- | --- WATER LINE --- |
| --- C --- | --- UNDERGROUND COMM LINE --- |
| --- E --- | --- ELECTRIC LINE --- |
| --- FO --- | --- FIBER OPTIC --- |
- UTILITY NOTES**
- WHERE GRADE MODIFICATIONS (CUT OR FILL) ARE SHOWN ADJACENT TO EXISTING VALVE BOX COVERS AND MANHOLE CASTINGS, THE VALVE BOX COVERS AND MANHOLE CASTINGS SHALL BE ADJUSTED FLUSH WITH THE PROPOSED GRADE.
 - PAVEMENTS, WALKS, CURBS AND OTHER SURFACE IMPROVEMENTS REQUIRING REMOVAL FOR INSTALLATION OF UNDERGROUND UTILITIES SHALL BE RESTORED TO THEIR PRESENT CONDITION UNLESS OTHERWISE SHOWN.
 - THE CONTRACTOR SHALL MAINTAIN ALL FLOWS AND UTILITY CONNECTIONS TO EXISTING BUILDINGS, ETC. WITHOUT INTERRUPTION UNLESS/UNTIL AUTHORIZED TO DISCONNECT BY THE OWNER, UTILITY COMPANIES, AND GOVERNING AUTHORITIES. THE CONTRACTOR SHALL INSTALL AS NECESSARY, TEMPORARY SITE LIGHTING, GAS, SANITARY, WATER, STORM, ELECTRIC, TELEPHONE, AND CABLE SERVICES TO SERVICE BUILDING(S) TO REMAIN OPEN.
 - CONTRACTOR TO PROVIDE AND INSTALL CONDUIT FOR SITE LIGHTING PER SITE LIGHTING PLAN (BY OTHERS).
 - CONTRACTOR TO PROVIDE AND INSTALL CONDUIT FOR IRRIGATION PER IRRIGATION PLAN (BY OTHERS).
 - CONTRACTOR WILL BE RESPONSIBLE TO REPAIR, REPLACE, AND/OR RECONNECT ANY EXISTING DRAINAGE TILES NOT SHOWN ON THE PLANS, WHICH CROSS THROUGH EXCAVATED TRENCHES. ANY DRAINAGE TILE ENCOUNTERED IS TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND A MEASUREMENT TAKEN FROM THE NEAREST MANHOLE OR INLET STRUCTURE TO THE CENTERLINE OF THE TILE.
- GRADING NOTES**
- TOPSOIL SHALL BE STRIPPED FROM ALL AREAS TO RECEIVE PAVING AND FROM WITHIN THE LIMITS OF PROPOSED BUILDINGS AND STRUCTURES. TOPSOIL SHALL BE STRIPPED TO THE DEPTH SHOWN IN THE GEOTECHNICAL REPORT, OR TO A DEPTH OF 6 INCHES, WHICHEVER IS GREATER.
 - ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE SEEDED OR SODDED UNLESS OTHERWISE SHOWN.
 - FINAL GRADES AT THE PROJECT BOUNDARY SHALL MATCH EXISTING ELEVATIONS UNLESS OTHERWISE SHOWN.
- GRADING PLAN LEGEND**
- | LINE TYPE / SYMBOL | DESCRIPTION | LINE TYPE / SYMBOL | DESCRIPTION |
|------------------------|-------------------------------------|-------------------------------|-------------------------------|
| --- F.F.E. --- | FINISHED FLOOR ELEVATION HIGH POINT | --- HP --- | LOW POINT |
| --- LP --- | INTERMEDIATE CONTOUR | --- INDEX --- | INDEX CONTOUR |
| --- GRADE BREAK --- | GRADE BREAK | --- EXISTING INTERMEDIATE --- | EXISTING INTERMEDIATE CONTOUR |
| --- EXISTING INDEX --- | EXISTING INDEX CONTOUR | | |



krM Architecture+

A&F ENGINEERING
Transportation & Site Engineering

kbsd CONSULTING

IB Synch, Station & Surveys, Inc.

REVISIONS

ADDENDUM #2	02.06.25
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23055 - FALL CREEK INTERMEDIATE RENOVATIONS
12011 Ole Rd, Fishers, IN 46037
CONSTRUCTION DOCUMENTS

SET TO BE PRINTED IN COLOR

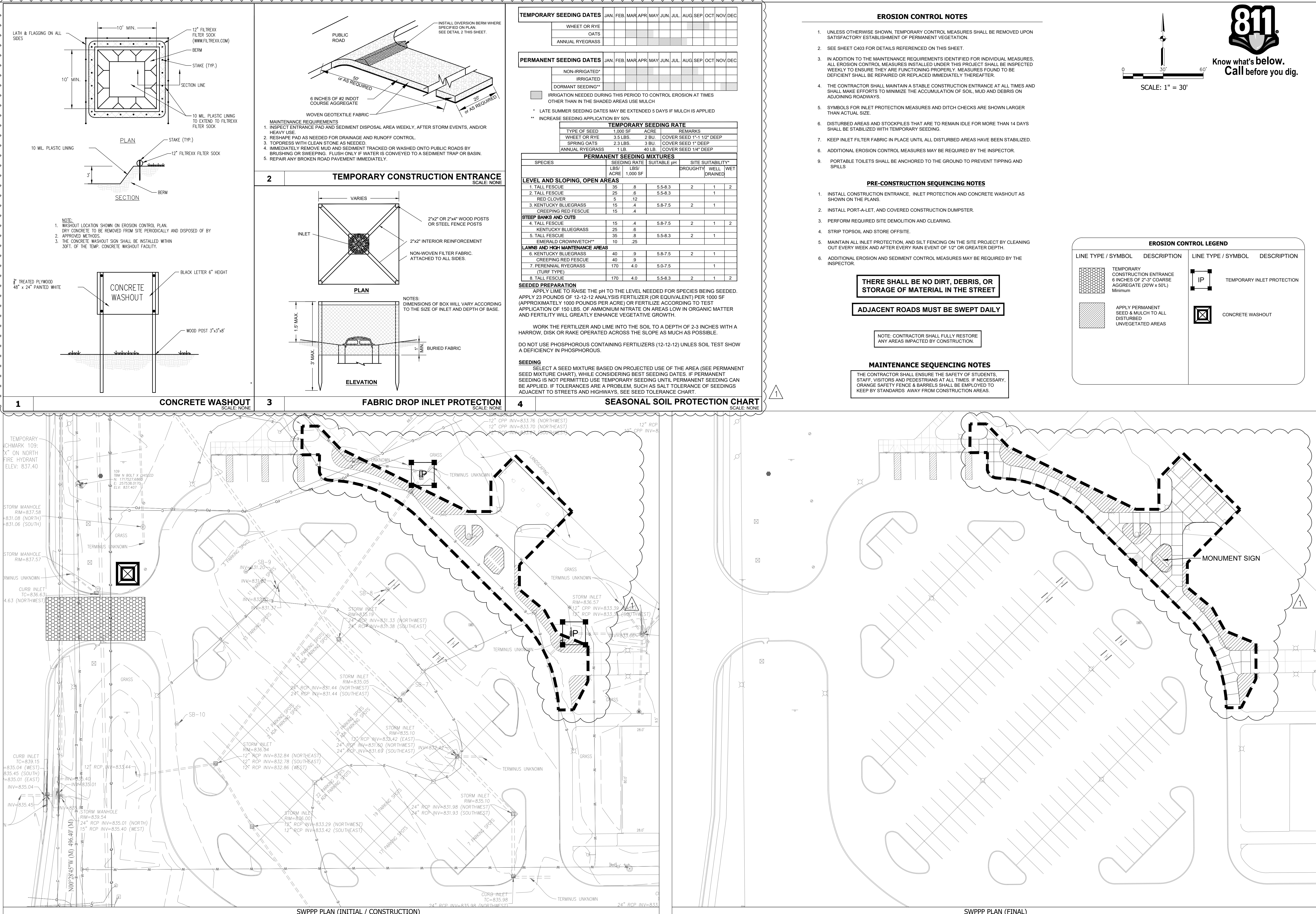
KAREN K. COLLINS
REGISTERED PROFESSIONAL ENGINEER
No. 10404538
STATE OF INDIANA

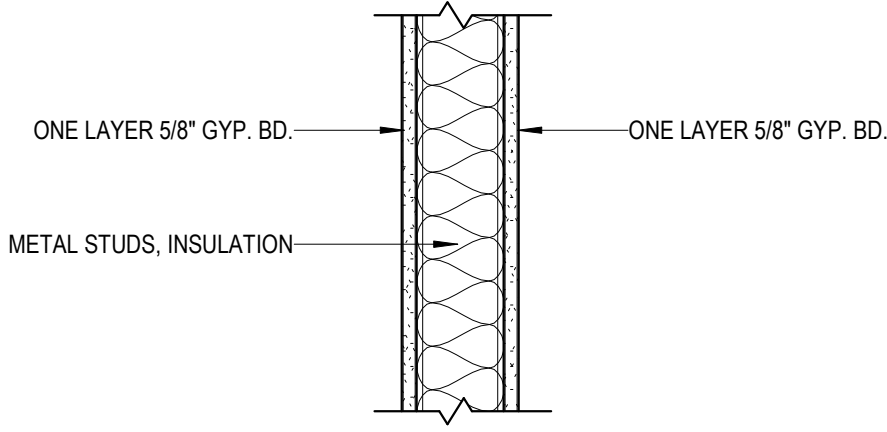
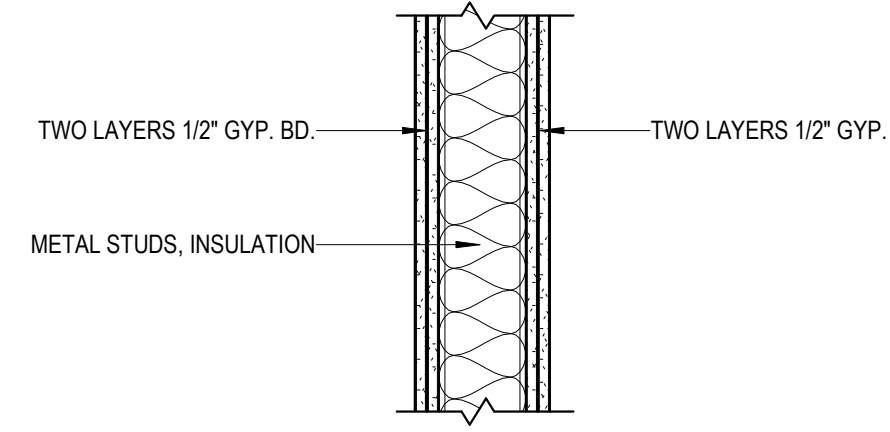
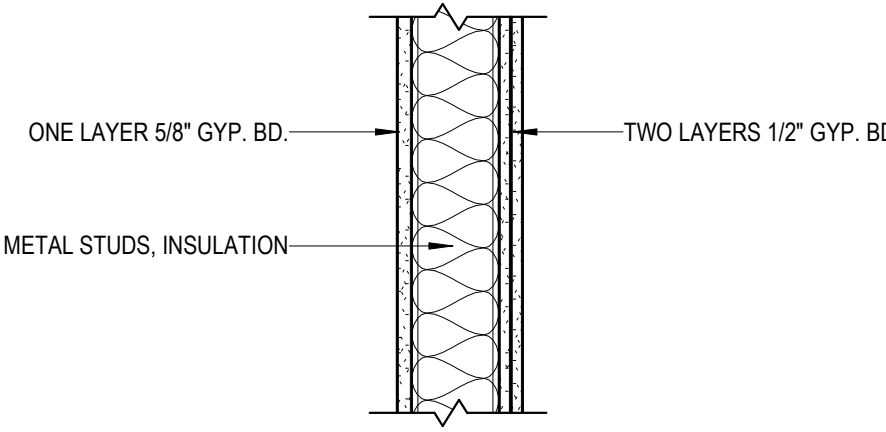
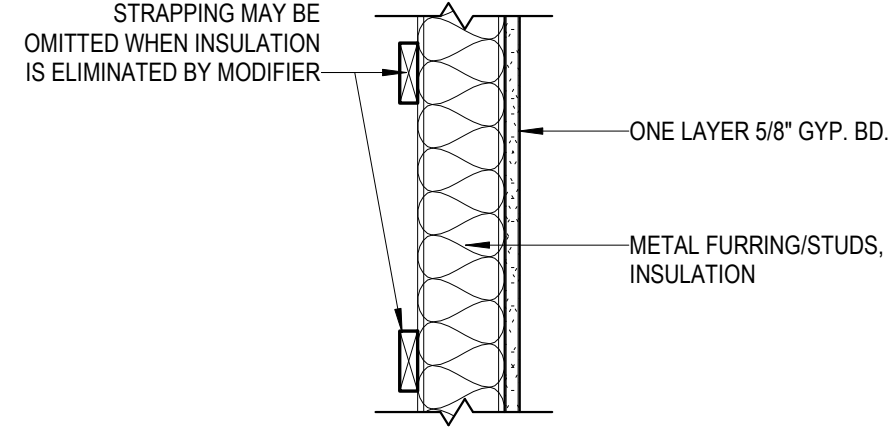
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01.06.25
KRM JOB NO. 23055
DRAWN BY A&F

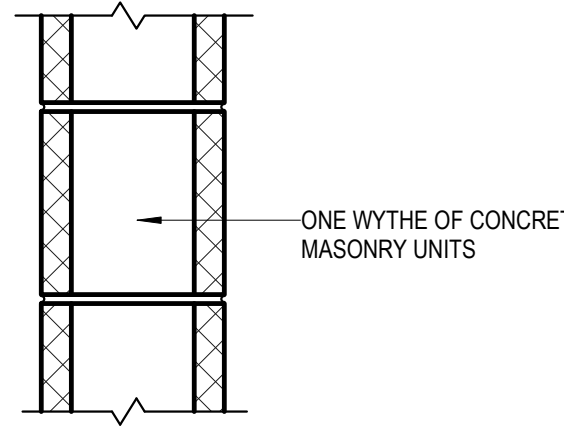
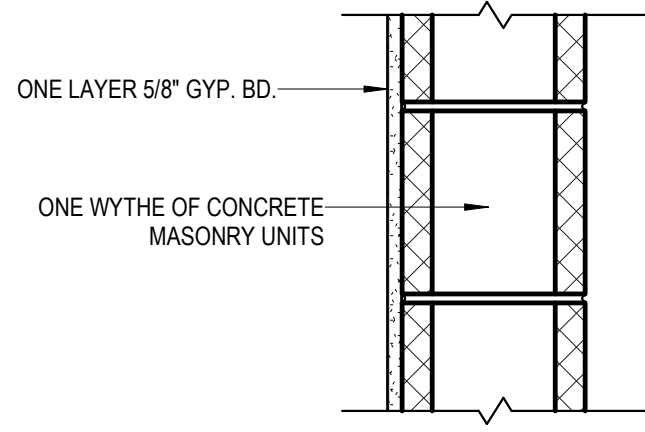
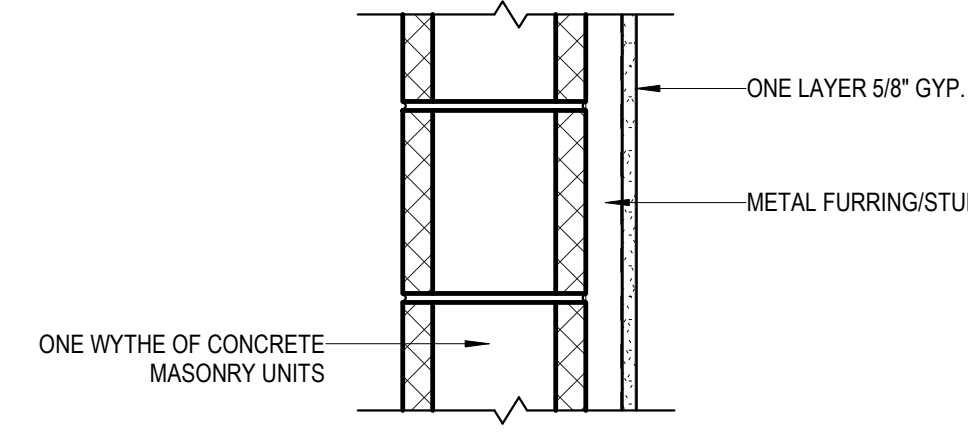
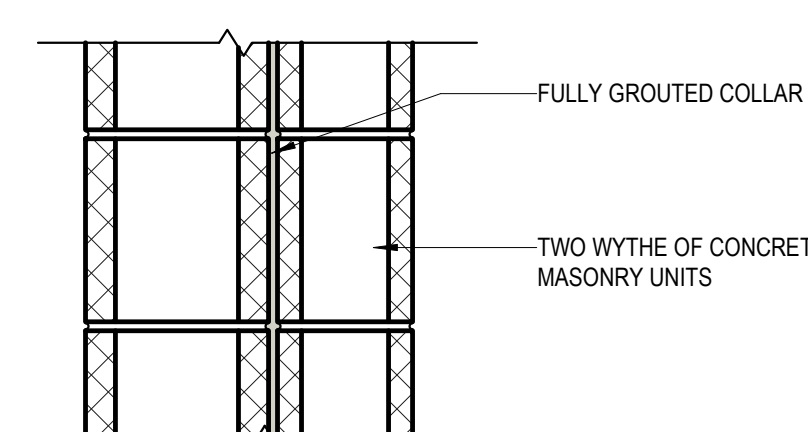
SITE & GRADING PLAN

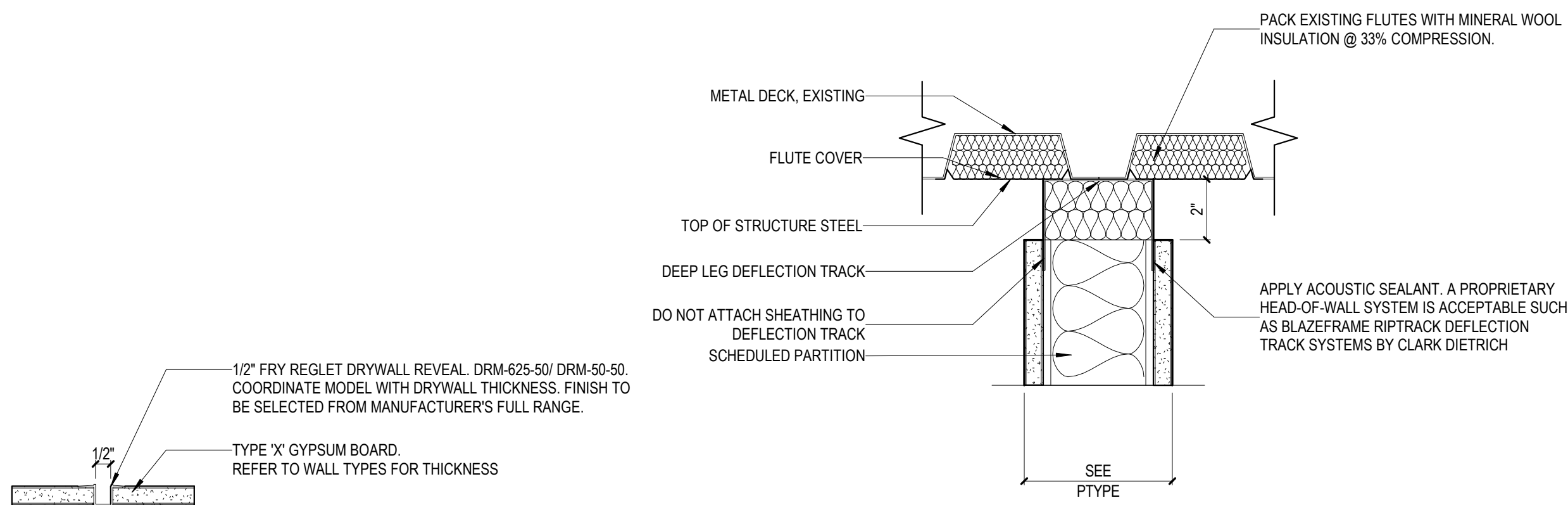
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Z:\2024\24007-KRM ARCHITECTURE, LAND DEVELOPMENT, FALL CREEK INTERMEDIATE RENOVATION\DWG\CA01 SWPPP PLAN (INITIAL)\DWG plotted by KAREN COLLINS on 2/5/2025 5:18:42 PM last saved by SOROURKE on 2/5/2025 10:01:48 AM
Xrefs: 24007L BASE (COLLINE & X_24007L TIE BLOCK.DWG & 24007L BASE SET.DWG

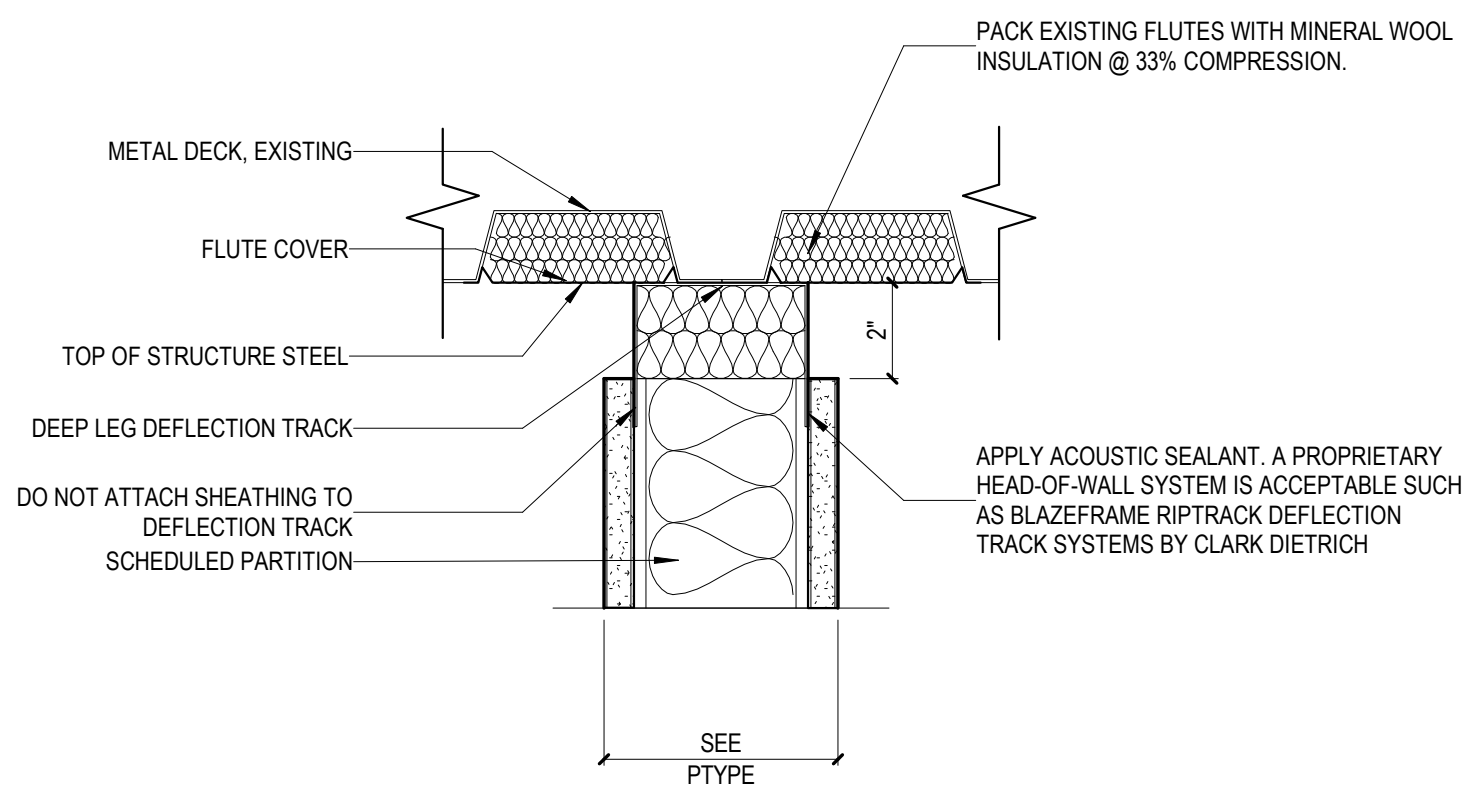


<div><p>ONE LAYER 5/8" GYP. BD.</p><p>METAL STUDS, INSULATION</p></div> <div><table><tr><th>WALL TYPE</th><th>STUD WIDTH</th><th>PARTITION WIDTH</th></tr><tr><td>M1.2</td><td>2-1/2"</td><td>3 3/4"</td></tr><tr><td>M1.3</td><td>3-5/8"</td><td>4 7/8"</td></tr><tr><td>M1.6</td><td>6"</td><td>7 1/4"</td></tr></table></div>	WALL TYPE	STUD WIDTH	PARTITION WIDTH	M1.2	2-1/2"	3 3/4"	M1.3	3-5/8"	4 7/8"	M1.6	6"	7 1/4"	<div><p>TWO LAYERS 1/2" GYP. BD.</p><p>METAL STUDS, INSULATION</p></div> <div><table><tr><th>WALL TYPE</th><th>STUD WIDTH</th><th>PARTITION WIDTH</th></tr><tr><td>M2.3</td><td>3-5/8"</td><td>5 5/8"</td></tr><tr><td>M2.6</td><td>6"</td><td>8"</td></tr></table></div>	WALL TYPE	STUD WIDTH	PARTITION WIDTH	M2.3	3-5/8"	5 5/8"	M2.6	6"	8"	<div><p>ONE LAYER 5/8" GYP. BD.</p><p>METAL STUDS, INSULATION</p></div> <div><table><tr><th>WALL TYPE</th><th>STUD SIZE</th><th>PARTITION WIDTH</th></tr><tr><td>M3.3</td><td>3-5/8"</td><td>5 1/4"</td></tr><tr><td>M3.6</td><td>6"</td><td>7 5/8"</td></tr><tr><td>M3.8</td><td>8"</td><td>9 5/8"</td></tr></table></div>	WALL TYPE	STUD SIZE	PARTITION WIDTH	M3.3	3-5/8"	5 1/4"	M3.6	6"	7 5/8"	M3.8	8"	9 5/8"	<div><p>STRAPPING MAY BE OMITTED WHEN INSULATION IS ELIMINATED BY MODIFIER</p><p>ONE LAYER 5/8" GYP. BD.</p><p>METAL FURRING/STUDS, INSULATION</p></div> <div><table><tr><th>WALL TYPE</th><th>STUD SIZE</th><th>PARTITION WIDTH</th></tr><tr><td>M4.2</td><td>2-1/2"</td><td>3 1/8"</td></tr><tr><td>M4.3</td><td>3-5/8"</td><td>4 1/4"</td></tr><tr><td>M4.6</td><td>6"</td><td>6 5/8"</td></tr></table></div>	WALL TYPE	STUD SIZE	PARTITION WIDTH	M4.2	2-1/2"	3 1/8"	M4.3	3-5/8"	4 1/4"	M4.6	6"	6 5/8"
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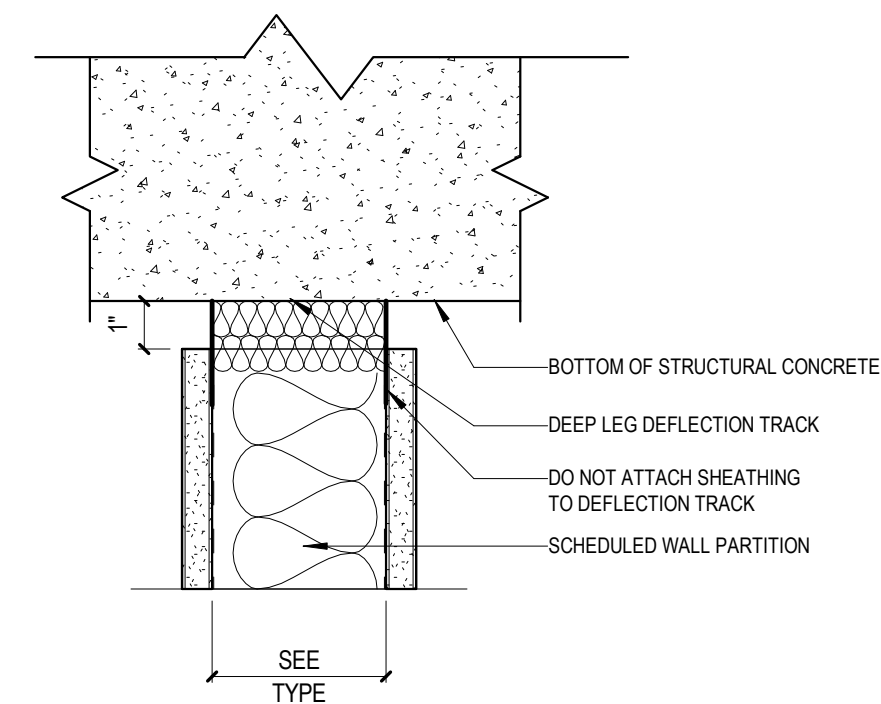
<div><p>ONE WYTHE OF CONCRETE MASONRY UNITS</p></div> <div><table><tr><th>WALL TYPE</th><th>WYTHE WIDTH</th><th>PARTITION WIDTH</th></tr><tr><td>C1.6</td><td>5-5/8"</td><td>5 5/8"</td></tr><tr><td>C1.8</td><td>7-5/8"</td><td>7 5/8"</td></tr><tr><td>C1.10</td><td>9-5/8"</td><td>9 5/8"</td></tr><tr><td>C1.12</td><td>11-5/8"</td><td>11 5/8"</td></tr></table></div>	WALL TYPE	WYTHE WIDTH	PARTITION WIDTH	C1.6	5-5/8"	5 5/8"	C1.8	7-5/8"	7 5/8"	C1.10	9-5/8"	9 5/8"	C1.12	11-5/8"	11 5/8"	<div><p>ONE LAYER 5/8" GYP. BD.</p><p>ONE WYTHE OF CONCRETE MASONRY UNITS</p></div> <div><table><tr><th>WALL TYPE</th><th>WYTHE WIDTH</th><th>PARTITION WIDTH</th></tr><tr><td>C2.6</td><td>7-5/8"</td><td>6 1/4"</td></tr><tr><td>C2.8</td><td>7-5/8"</td><td>8 1/4"</td></tr><tr><td>C2.10</td><td>9-5/8"</td><td>10 1/4"</td></tr></table></div>	WALL TYPE	WYTHE WIDTH	PARTITION WIDTH	C2.6	7-5/8"	6 1/4"	C2.8	7-5/8"	8 1/4"	C2.10	9-5/8"	10 1/4"	<div><p>ONE LAYER 5/8" GYP. BD.</p><p>METAL FURRING/STUDS</p><p>ONE WYTHE OF CONCRETE MASONRY UNITS</p></div> <div><table><tr><th>WALL TYPE</th><th>WYTHE WIDTH</th><th>PARTITION WIDTH</th></tr><tr><td>C3.8</td><td>7-5/8"</td><td>9 3/4"</td></tr></table></div>	WALL TYPE	WYTHE WIDTH	PARTITION WIDTH	C3.8	7-5/8"	9 3/4"	<div><p>FULLY GROUTED COLLAR JOINT</p><p>TWO WYTHE OF CONCRETE MASONRY UNITS</p></div> <div><table><tr><th>WALL TYPE</th><th>WYTHE WIDTH</th><th>PARTITION WIDTH</th></tr><tr><td>C4.14</td><td>MULTI</td><td>1'-1 5/8"</td></tr></table></div>	WALL TYPE	WYTHE WIDTH	PARTITION WIDTH	C4.14	MULTI	1'-1 5/8"
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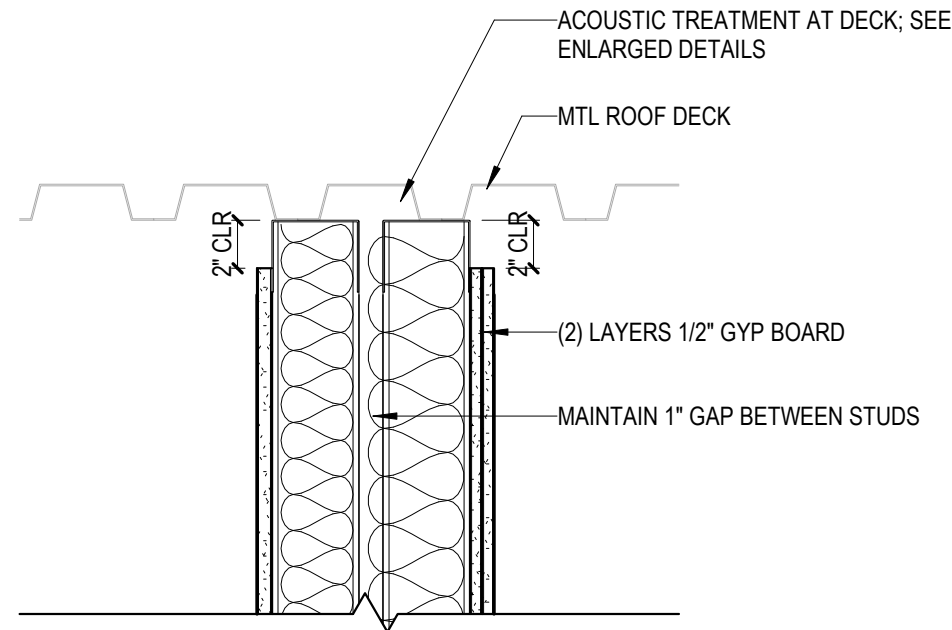
TYP. GYPSUM BOARD REVEAL
SCALE: 3" = 1'-0"



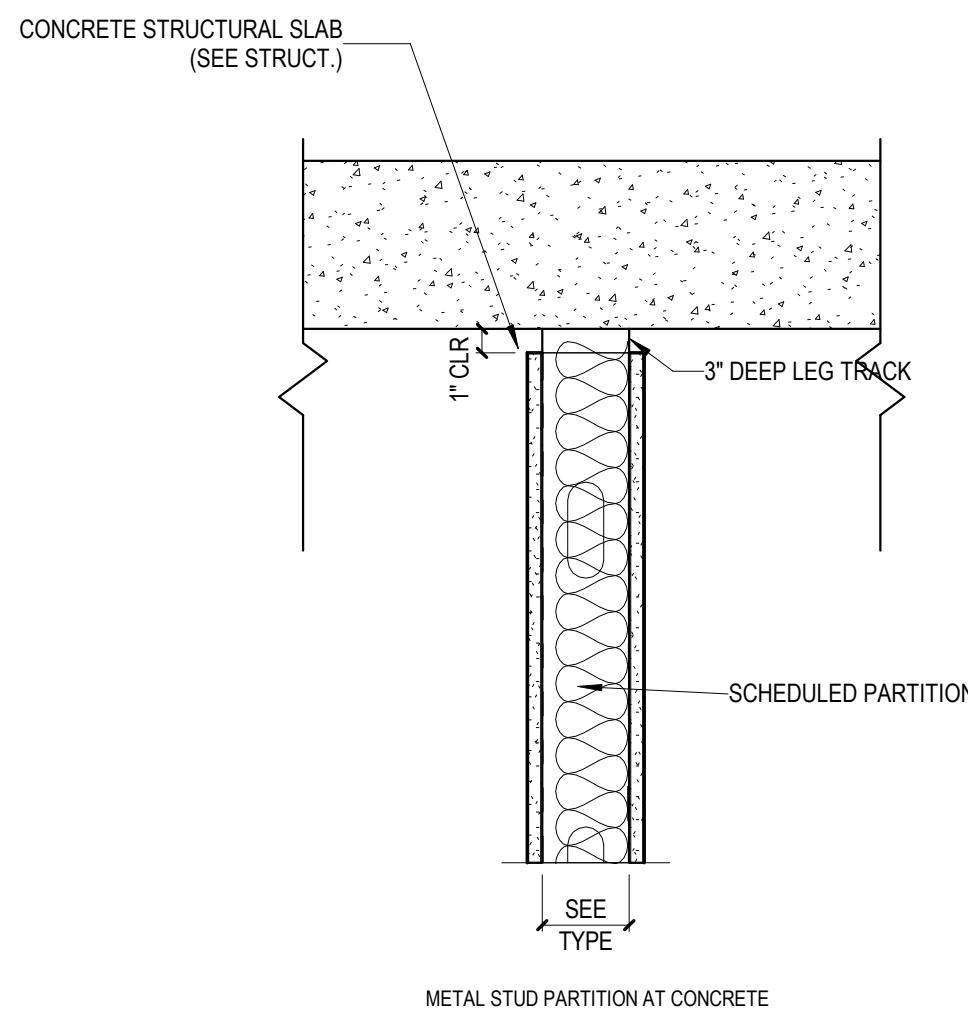
ACOUSTIC TERMINATION AT METAL DECK
SCALE: 3" = 1'-0"



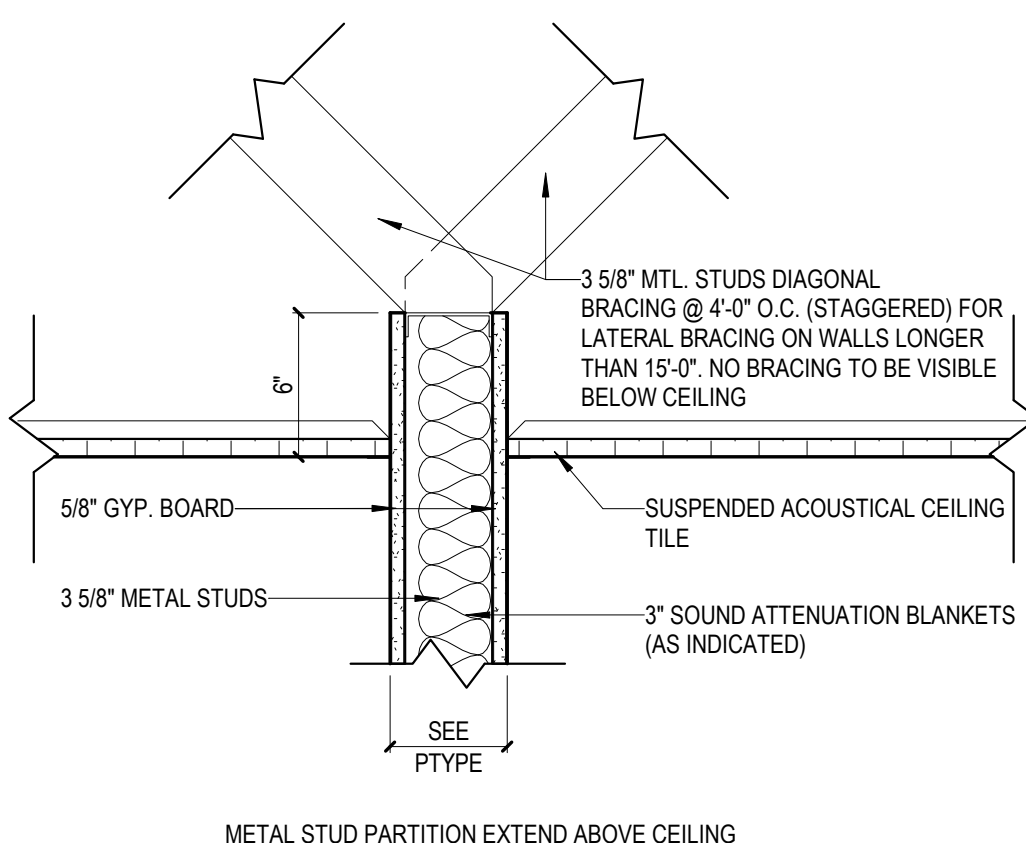
ACOUSTIC TERMINATION AT CONCRETE
SCALE: 3" = 1'-0"



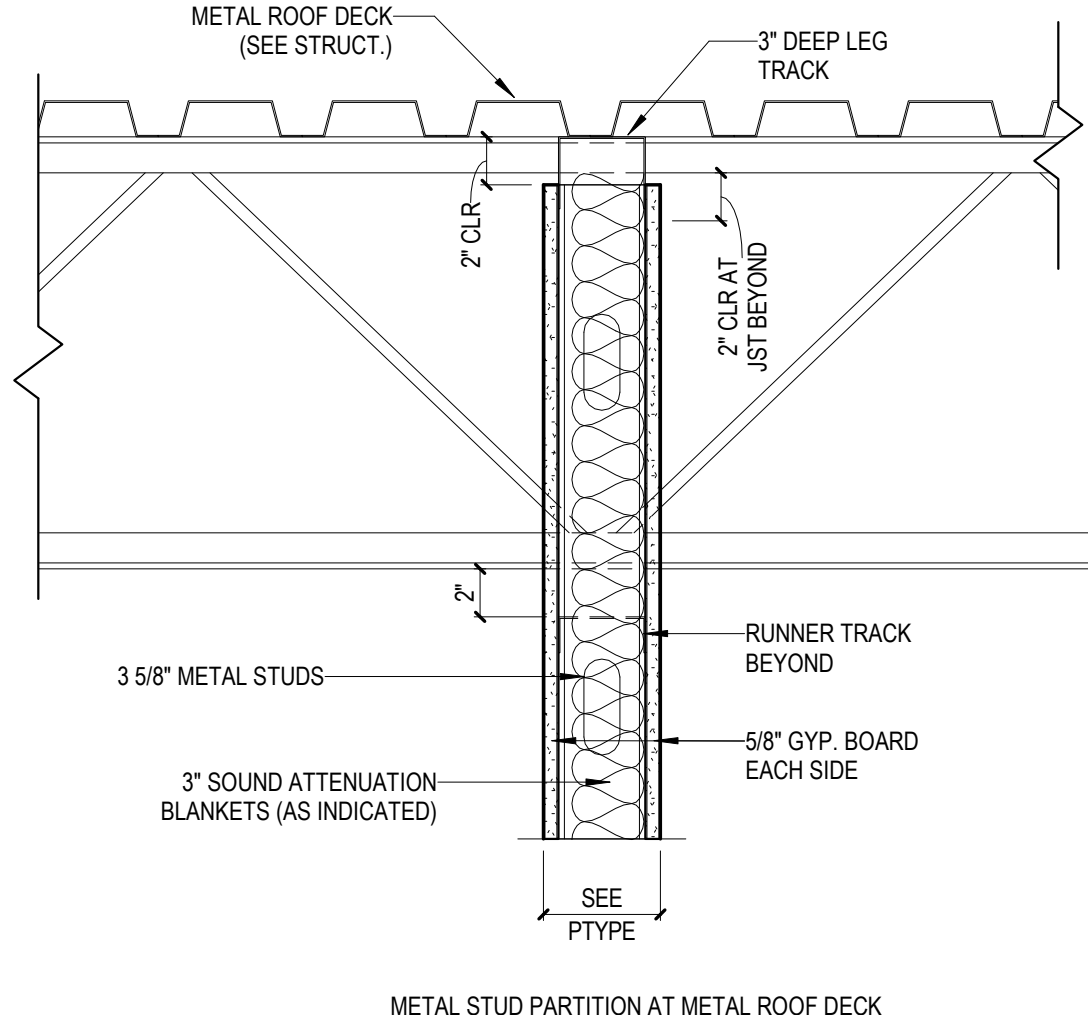
MUSIC/ BAND ACOUSTIC WALL RETROFIT
SCALE: 1 1/2" = 1'-0"



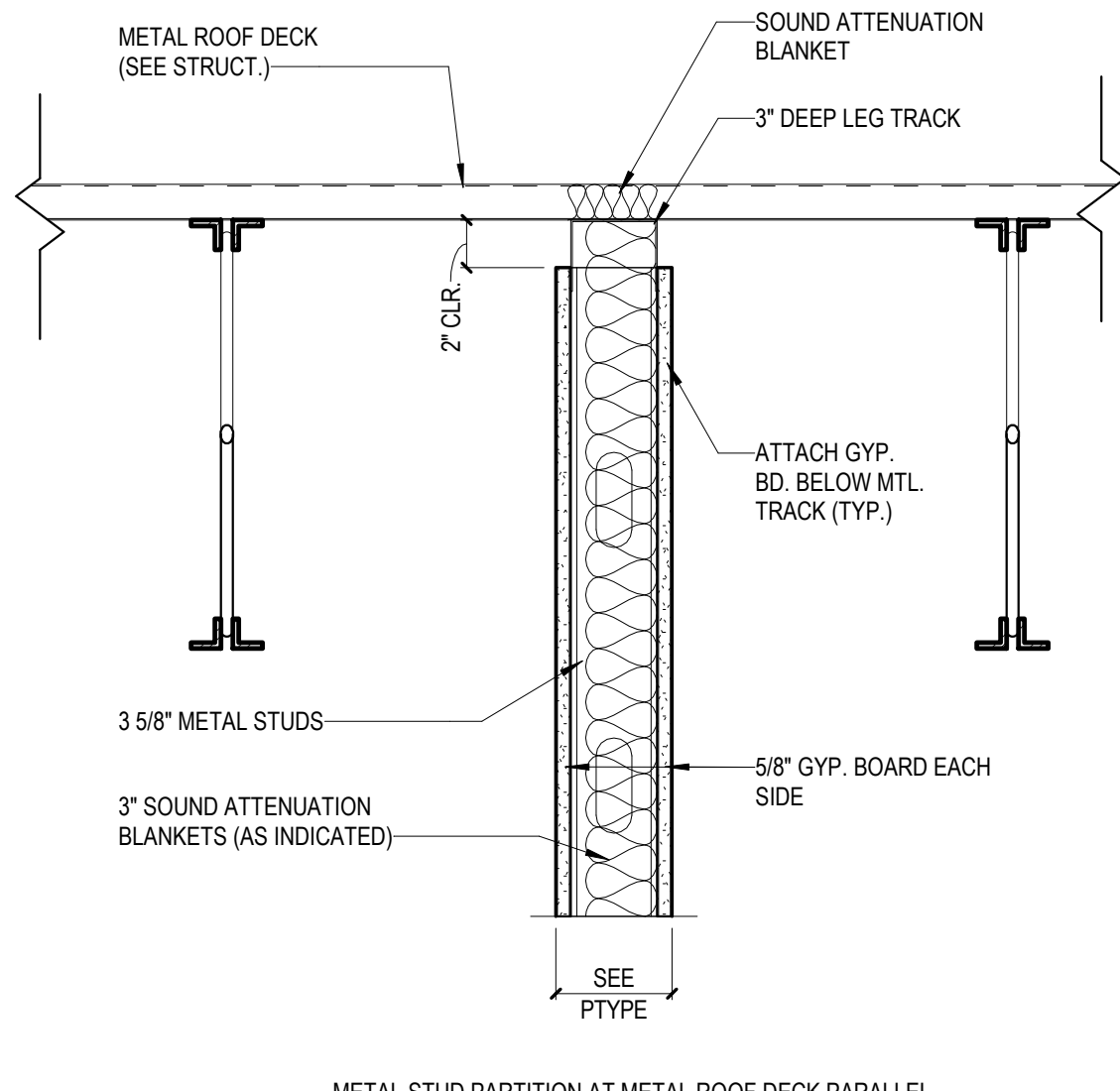
METAL STUD PARTITION AT CONCRETE
SCALE: 1 1/2" = 1'-0"



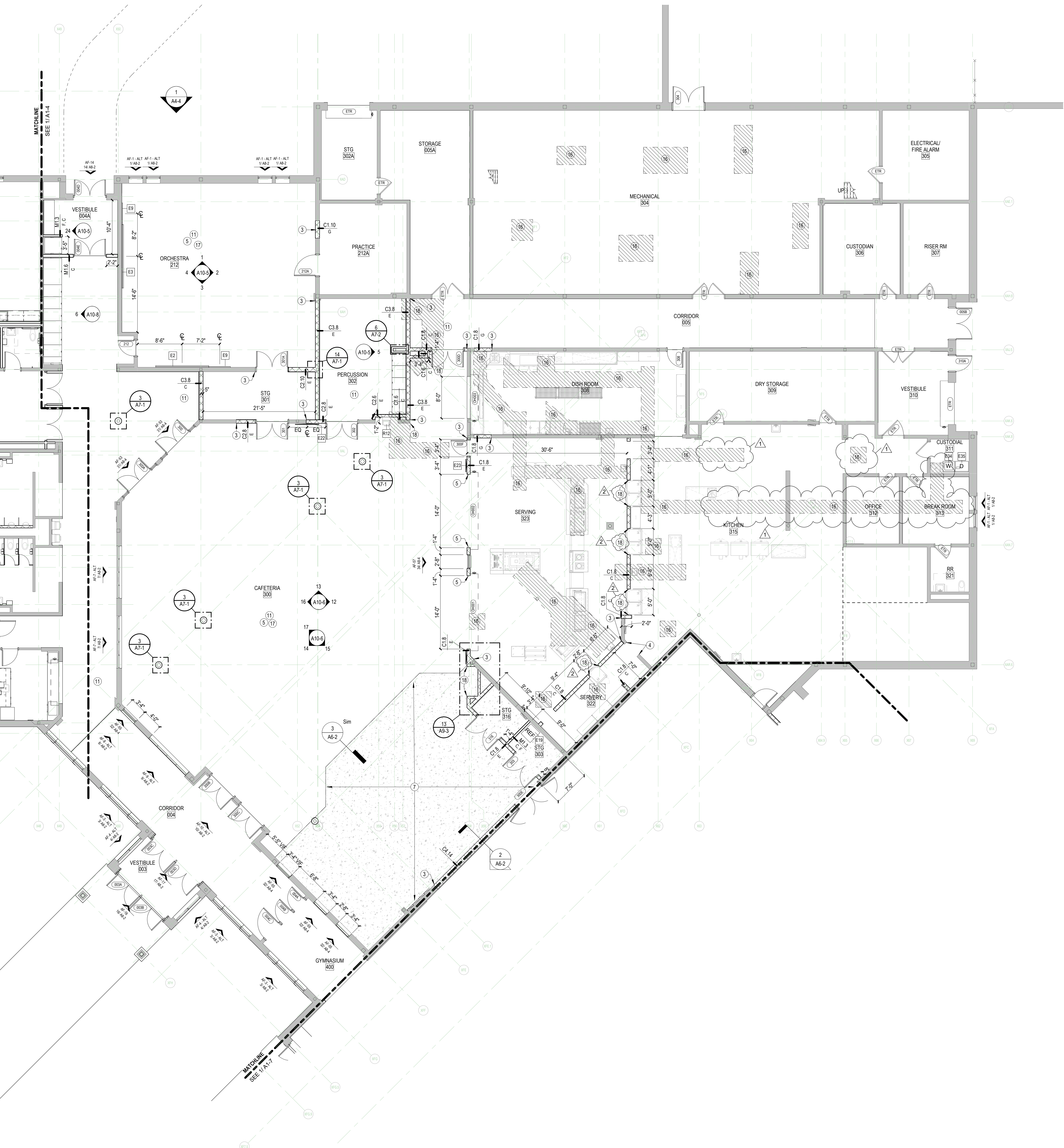
TERMINATION DETAILS
SCALE: 1 1/2" = 1'-0"



METAL STUD PARTITION AT METAL ROOF DECK PERPENDICULAR TO STEEL JOISTS



METAL STUD PARTITION AT METAL ROOF DECK PARALLEL TO STEEL JOISTS



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

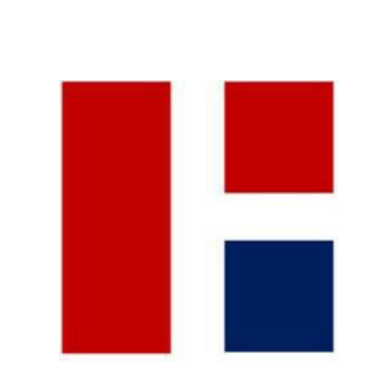
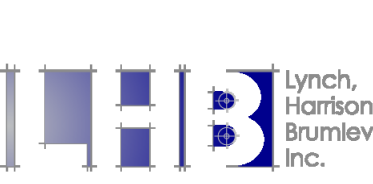
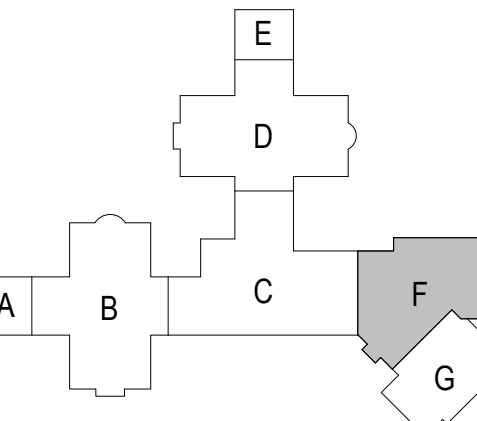
PLAN NOTES - FLOOR PLAN

- ALIGN FINISH FACES
- INSTALL SALVAGED LOCKERS AND RE-COAT FINISH ON ALL LOCKERS INSIDE AND OUT, BASES, TOPS, FILLERS, AND END PANELS WITH HIGH PERFORMANCE COATING. INSTALL NEW SLOPING TOPS, BASE, LOCKER HARDWARE AND NUMBER PLATES. COORDINATE NUMBER PLATE LOCATIONS WITH OWNER REFER TO 09 96 00 FOR COATING REQUIREMENTS.
- ALIGN FINISH FACES. TOOTH IN MASONRY
- PATCH ANY DAMAGE TO EXISTING MASONRY. BULLNOSE CORNERS.
- 04 20 00 BULLNOSE ALL EXPOSED CMU CORNERS IN ALL AREAS OF BUILDING UNLESS NOTED OTHERWISE
- EXTEND EXISTING PARTITION TO DECK AND ACOUSTICALLY SEAL
- 03 30 00 NEW SLAB ON GRADE
- EXISTING BLEACHERS TO REMAIN. PROTECT DURING CONSTRUCTION
- 09 96 00 PAINT ALL EXISTING LOCKERS INSIDE AND OUT, BASE, TOPS, FILLERS, AND END PANELS USING HIGH PERFORMANCE COATING. INSTALL NEW LOCKER HARDWARE
- 11 66 23 ATHLETIC WALL PADDING. REFER TO ELEVATIONS & FINISH SCHEDULES.
- IN ALL AREAS WHERE DEMO OCCURRED, PATCH, SKIM COAT, AND REFINISH WALL. WALL PATCH TO BE DEPENDENT ON WALL TYPE. GYPSUM BOARD IS TO BE A LEVEL 5 FINISH UNO. WHERE NEW DRYWALL MEETS ETR, BLEND LEVEL 5 FINISH INTO EXISTING SUCH THAT THE FINISHED SURFACES ARE NOT NOTICEABLY DIFFERENT. ARCHITECT TO APPROVE MOCKUP OF FINISH BLEND FOR REPLICATION.
- LINE OF EXISTING BLEACHERS WHEN EXTENDED.
- ETR INTERIOR WINDOW. PROTECT DURING CONSTRUCTION. 09 91 23 PAINT FRAME COLOR BY ARCHITECT
- REFER TO PATTERN PLAN FOR MORE INFORMATION.
- ROUND COLUMN BENCH - REFER TO DETAIL
- PATCH SLAB DUE TO DEMOLITION. REFER TO STRUCTURAL DRAWINGS.
- WHERE CEILING HEIGHT CHANGE OCCURRED, EXTEND WALL ASSEMBLY TO 5' ABOVE CEILING UNO. GYP. BD. TO BE A LEVEL 5 FINISH.
- DO NOT BULLNOSE
- NEW CONCRETE SLAB TOPPING. REFER TO DETAILS

EQUIPMENT SCHEDULE

TAG	ACCESSORY NOTES	FURNISHED BY	INSTALLED BY
E1	8'-0" x 4'-0" WHITEBOARD	CONTRACTOR	CONTRACTOR
E2	10'-0" x 4'-0" WHITEBOARD	CONTRACTOR	CONTRACTOR
E3	12'-0" x 4'-0" WHITEBOARD	CONTRACTOR	CONTRACTOR
E4	FULL WALL BACK PAINTED GLASS MARKERBOARD	CONTRACTOR	CONTRACTOR
E5	1'-10"W x 3'-6"H TACKABLE PANEL DP-1	CONTRACTOR	CONTRACTOR
E6	5'-0"W x 3'-6"H TACKABLE PANEL DP-1	CONTRACTOR	CONTRACTOR
E7	9'-0"W x 4'-0"H TACKABLE PANEL DP-1	CONTRACTOR	CONTRACTOR
E8	4'-0"H TACKABLE PANEL DP-1. WIDTH VARIES. REFER TO ELEVATION	CONTRACTOR	CONTRACTOR
E9	14'-0" x 4'-0" TACK BOARD	CONTRACTOR	CONTRACTOR
E10	CEILING MOUNTED PROJECTOR SCREEN, CEILING RECESSED UNO. COORDINATE INSTALLATION WITH SCHOOL AV COMPANY	OWNER	OWNER
E11	14'-0"W AUTOMATIC PROJECTION SCREEN, CEILING MOUNT	CONTRACTOR	CONTRACTOR
E12	12'-0"W MANUAL PROJECTION SCREEN, CEILING MOUNT	CONTRACTOR	CONTRACTOR
E13	9'-0"W MANUAL PROJECTION SCREEN, CEILING MOUNT	CONTRACTOR	CONTRACTOR
E14	REMOVED IN ADDENDUM 3		
E15	POPCORN MACHINE	OWNER	OWNER
E16	WARM PASS THROUGH	OWNER	OWNER
E17	MICROWAVE	OWNER	OWNER
E18	VENDING MACHINE	OWNER	OWNER
E19	REFRIGERATOR	OWNER	OWNER
E20	MINI FRIDGE	OWNER	OWNER
E21	DRINK COOLER	OWNER	OWNER
E22	TV	OWNER	CONTRACTOR
E23	DIGITAL MENU BOARD	CONTRACTOR	CONTRACTOR
E24	EYEWASH STATION. REFER TO MEP	ETR	ETR
E25	PRINTER/ COPIER	OWNER	OWNER
E26	EXISTING SHREDDER	OWNER	CONTRACTOR
E27	FIRE EXTINGUISHER	ETR	ETR
E28	EXISTING LAMINATOR	OWNER	OWNER
E29	DIE CUT MACHINE	OWNER	OWNER
E30	EXISTING SAFE	OWNER	OWNER
E31	EXISTING GLOWFORGE	OWNER	OWNER
E32	3D PRINTER	OWNER	OWNER
E33	EXISTING ROLL STORAGE	OWNER	OWNER
E34	WASHER	OWNER	OWNER
E35	DRYER	OWNER	OWNER

KEY PLAN



REVISIONS

1	01/09/2025	ADDENDUM 1
2	02/06/2025	ADDENDUM 2

23055 - FALL CREEK INTERMEDIATE RENOVATIONS

01.06.25 HAMILTON SOUTHEASTERN SCHOOLS

12011 Old Rd. Fishers, IN 46037

CONSTRUCTION DOCUMENTS

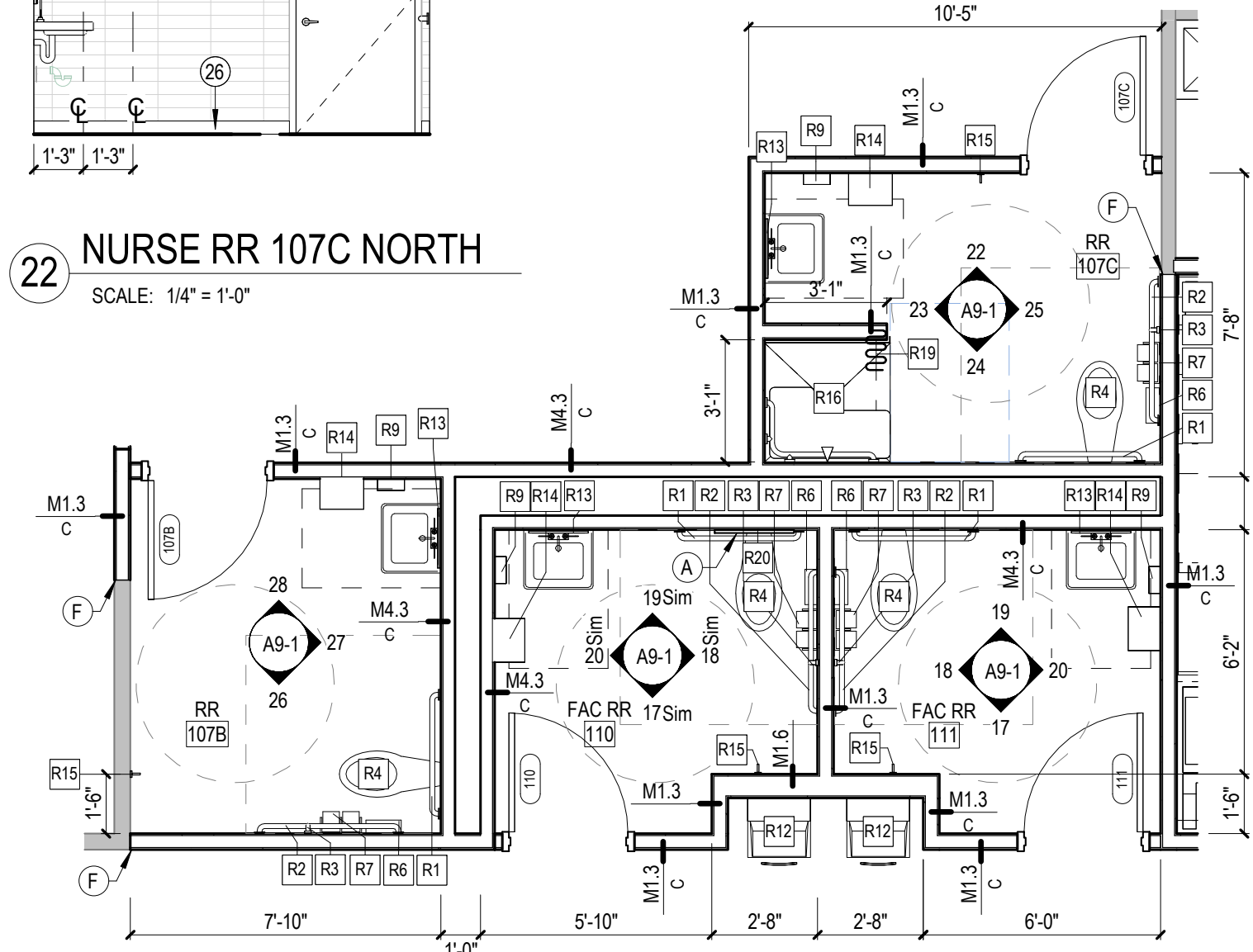
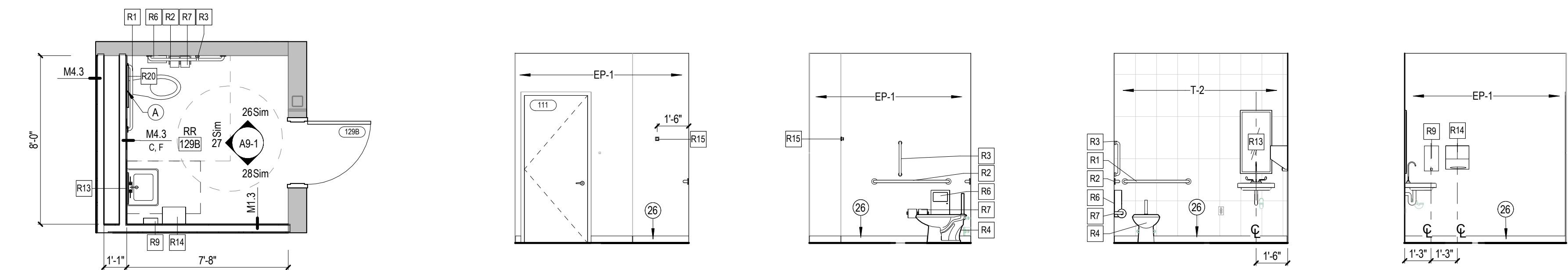
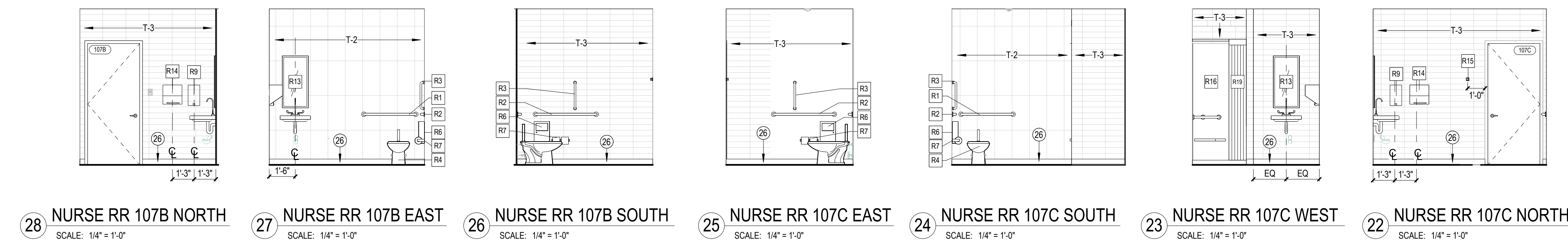
SET TO BE PRINTED IN COLOR



CONSTRUCTION DOCUMENTS
01.06.25
WJL JOB NO.
23055
DRAWN BY
Cg

ARCHITECTURAL
FLOOR PLAN - AREA
F

DRAWING NO.
A1-6



EQUIPMENT SCHEDULE		
TAG	ACCESSORY NOTES	FURNISHED BY/INSTALLED BY
E1	6'-0" x 4'-0" WHITEBOARD	CONTRACTOR
E2	10'-0" x 4'-0" WHITEBOARD	CONTRACTOR
E3	12'-0" x 4'-0" WHITEBOARD	CONTRACTOR
E4	FULL WALL BACK PAINTED GLASS MARKERBOARD	CONTRACTOR
E5	1'-10" W x 3'-6" H TACKABLE PANEL DP-1	CONTRACTOR
E6	3'-0" W x 3'-6" H TACKABLE PANEL DP-1	CONTRACTOR
E7	9'-0" W x 4'-0" H TACKABLE PANEL DP-1	CONTRACTOR
E8	4'-0" H TACKABLE PANEL DP-1. WIDTH VARIES. REFER TO ELEVATION	CONTRACTOR
E9	4'-0" x 4'-0" TACK BOARD	CONTRACTOR
E10	CEILING MOUNTED PROJECTOR	OWNER
E11	14'-0" W AUTOMATIC PROJECTION SCREEN. CEILING RECESSED UNO. COORDINATE INSTALLATION WITH SCHOOL AV COMPANY	CONTRACTOR
E12	12'-0" W MANUAL PROJECTION SCREEN. CEILING MOUNT	CONTRACTOR
E13	8'-0" W MANUAL PROJECTION SCREEN. CEILING MOUNT	CONTRACTOR
E14	REMOVED IN ADDENDUM 3	
E15	POPCORN MACHINE	OWNER
E16	WARM PASS THROUGH	OWNER
E17	MICROWAVE	OWNER
E18	VENDING MACHINE	OWNER
E19	REFRIGERATOR	OWNER
E20	MINI FRIDGE	OWNER
E21	DRINK COOLER	OWNER
E22	TV	OWNER
E23	DIGITAL MENU BOARD	CONTRACTOR
E24	EYEWASH STATION. REFER TO MEP	ETR
E25	PRINTER/COPIER	OWNER
E26	EXISTING SHREDDER	OWNER
E27	FIRE EXTINGUISHER	ETR
E28	EXISTING LAMINATOR	OWNER
E29	DIE CUT MACHINE	OWNER
E30	EXISTING SAFE	OWNER
E31	EXISTING GLOWFORGE	OWNER
E32	3D PRINTER	OWNER
E33	EXISTING ROLL STORAGE	OWNER
E34	WASHER	OWNER
E35	DRYER	OWNER

GENERAL NOTES - ENLARGED PLANS

- SEE SHEET A9-1 FOR TYPICAL ADA MOUNTING HEIGHTS FOR ACCESSORIES.
- CONTRACTOR TO PROVIDE BLOCKING IN WALLS FOR ALL TOILET ROOM ACCESSORIES AND PARTITIONS FOR OWNER AND CONTRACTOR SUPPLIED ITEMS.
- COORDINATE FLOOR DRAIN LOCATIONS WITH MEP.
- CENTER ALL TILE PATTERNS, LEAVING EQUAL SIZE TILES ON EACH END OF PARTITION. SEE SPECIFICATIONS.
- C.F.C.I. = CONTRACTOR FURNISHED, CONTRACTOR INSTALLED.
- F.O.F.I. = OWNER FURNISHED, CONTRACTOR INSTALLED.
- F.O.F.I. = OWNER FURNISHED, OWNER INSTALLED.
- C.G. AND ALL SUB-CONTRACTORS PERFORMING THEIR WORK NEAR THE RESTROOMS SHALL CONFIRM THEIR WORK EFFORTS, MAINTAIN ALL CLEARANCES NOTED, AND COORDINATE CLEARANCES REQUIRED WITH ALL OTHER TRADES.
- FIXTURES SHALL NOT OVERLAP INTO AREAS OF OTHER FIXTURES' CLEARANCES.
- SINK CLEARANCE SHALL BE 2'-0" W. x 4'-0", ALLOWING CLEARANCE AREA TO EXTEND UNDER THE SINK BY 8".
- TOILET CLEARANCE AREA REQUIRED SHALL BE 5'-0" W. x 5'-6". THE TOILET MAY OVERLAP THIS CLEARANCE AREA.
- SHOWER CLEARANCE AREA REQUIRED SHALL BE 3'-0" W. x 4'-0" W.
- 80" TURNING RADIUS SHALL BE PROVIDED WITHIN THE RESTROOM. THE TURNING RADIUS MAY OVERLAP THE FIXTURES' CLEARANCE AREA, BUT MAY NOT OVERLAP THE ACTUAL FIXTURES.

ENLARGED PLAN NOTES

- CENTER NEW ACCESS PANEL ABOVE WATER CLOSET
- PAINT EXISTING ACCESS PANEL
- ALIGN FINISH FACES: 100% IN MASONRY
- PROVIDE 4" DIAMETER GROMMET. COORDINATE FINAL LOCATION WITH OWNER PRIOR TO CUTTING.
- ALIGN FINISH FACE
- HIDE PARTITION / SCREEN. REFER TO SPECS.

ELEVATION NOTES - INTERIOR

- FINISHED END.
- PROVIDE CONCEALED BRACKETS AT 36" O.C. MAX.
- PROVIDE PEGBOARD BACK PANEL INSIDE CABINET
- WALL MOUNTED COAT ROD W/ 1" O' FLANGE. REFER TO SPECS.
- BACKSPLASH TO BE FULL HEIGHT.
- PAINT EXISTING ALUMINUM STOREFRONT SYSTEM TO MATCH NEW ALUMINUM FRAMES WITH HIGH PERFORMANCE COATING. REFER TO SPECIFICATIONS
- CASEWORKS DOORS TO HAVE FRAMED TEMPERED GLASS FRONTS
- COUNTERTOP SURFACE TO HAVE WATERFALL EDGE
- TRASH CABINET WITH THROUGH COUNTER CIRCULAR 5" WASTE CHUTE.
- 1-1/2" H x 3" L UP WITH FRONT EDGE OF COUNTER.
- BASE CASEWORK TO BE INSET ALONG THE COUNTER.
- WALL GRAPHIC BY OTHERS. WALL TO RECEIVE PRIME ONLY. COORDINATE WITH ARCHITECT.
- CUT ALUMINUM LETTERS: 1/2" DEPTH. 12" H ARIAL NARROW.
- ROUTED WALL PANEL. REFER TO DETAIL. VECTOR IMAGE TO BE PROVIDED BY ARCHITECT.
- EXISTING STAINED GLASS TO BE RELOCATED. REFER TO DETAILS.
- ALL EXPOSED EDGES TO UTILIZE MANUFACTURER'S SUPPLIED CORNER MOLDING TRIM.
- EXISTING LOCKERS TO BE ELECTROSTATICALLY PAINTED, INTERIOR & EXTERIOR
- ACCENT PAINT COLOR VARIES BY ROOM. REFER TO FINISH PLANS.
- ROUGH OPENING FOR BOOK RETURN UNIT. KINGSLEY MODEL #S-8105 OR APPROVED EQUAL.
- COORDINATE WITH ALL WALL MOUNTED ITEMS PRIOR TO CONSTRUCTION.
- EXISTING MEP EQUIPMENT TO REMAIN.
- ALIGN FINISHED EDGES.
- ALIGN NEW REVEALS TO EXISTING REVEALS.
- EXISTING TO REMAIN ATHLETIC SCOREBOARD.
- ATHLETIC WALL PAD. INSTALL TO CENTER FROM BASKETBALL COURT.
- BASE AS SCHEDULED
- EXISTING ATHLETIC EQUIPMENT.
- ALTERNATE: TRANSLUCENT SANDWICH PANEL.
- PAINT EXISTING ALUM FRAME P-2.
- DRYWALL CONTROL JOINT.
- 1/2" REVEAL. REFER TO TYPICAL DETAIL ON A9-1
- 1/2" POST MOUNTED ALUMINUM PLATE SIGNAGE: 6" H ARIAL NARROW WATER JET LETTERING
- PROVIDE TILE TERMINATION TRIM @ OUTSIDE CORNER, T/P. REFER TO DETAIL.
- PROVIDE LOW PROFILE COUNTERTOP SUPPORT BRACKETS @ 36" O.C.
- EXPOSED DECK & MECH. EQUIP TO BE PAINTED WHITE, P-7.
- EXISTING STEEL STRUCTURE TO BE PAINTED BLACK, P-2.
- CUT ALUMINUM LETTERS: 1/2" DEPTH. 24" H ARIAL.
- CUT ALUMINUM LETTERS: 1/2" DEPTH. 12" H ARIAL NARROW BOLD.
- DP-3 TO BE SEALED WITH MANUFACTURER PLASTIC BISCUITS.
- FULL DEPTH SUPPORT GABLE FROM FINISHED FLOOR TO CASEWORK.
- MITER CORNER, DP-3, TO CONCEAL FINISHED PLYWOOD BAKING AND WALL CLEAT.
- WHERE DRYWALL MEETS CMU, INSTALL METAL "F" TRIM. FRY RESET DRAIN-825-50 OR EQUAL.
- ALUMINUM MILLWORK REVEAL BASE. REFER TO DETAIL.
- PROVIDE 4" DIAMETER GROMMET. COORDINATE FINAL LOCATION WITH OWNER PRIOR TO CUTTING.
- DIFFUSER COLOR TO MATCH PAINT COLOR OF ADJACENT WALL.
- PROVIDE SCHLUTER QUADCE, ANODIZED ALUMINUM TRIM.
- ALUMINUM END CLOSURE AT JAMB AND HEAD. COLOR TO MATCH ADJACENT PAINT.
- POST MOUNTED ACRYLIC SIGNAGE BY OTHERS. PROVIDE BLOCKING. COORDINATE WITH ARCHITECT.
- 1/2" DEPTH CUT ALUMINUM GEAR GRAPHIC. POST MOUNTED. INCLUDE CDS TO PROVIDE (20) 1/2" DIAMETER GEARS. FINAL DESIGN TO BE PROVIDED BY ARCHITECT.
- CASEWORK UNIT TO BE LOCKABLE, KEY ALIKE. FOR UNITS WITH MULTIPLE DOORS AND/OR DRAWERS, EACH CASEWORK COMPONENT IS TO INCLUDE A LOCK.

16 ENLARGED PLAN - RR 127B
SCALE: 1/4" = 1'-0"

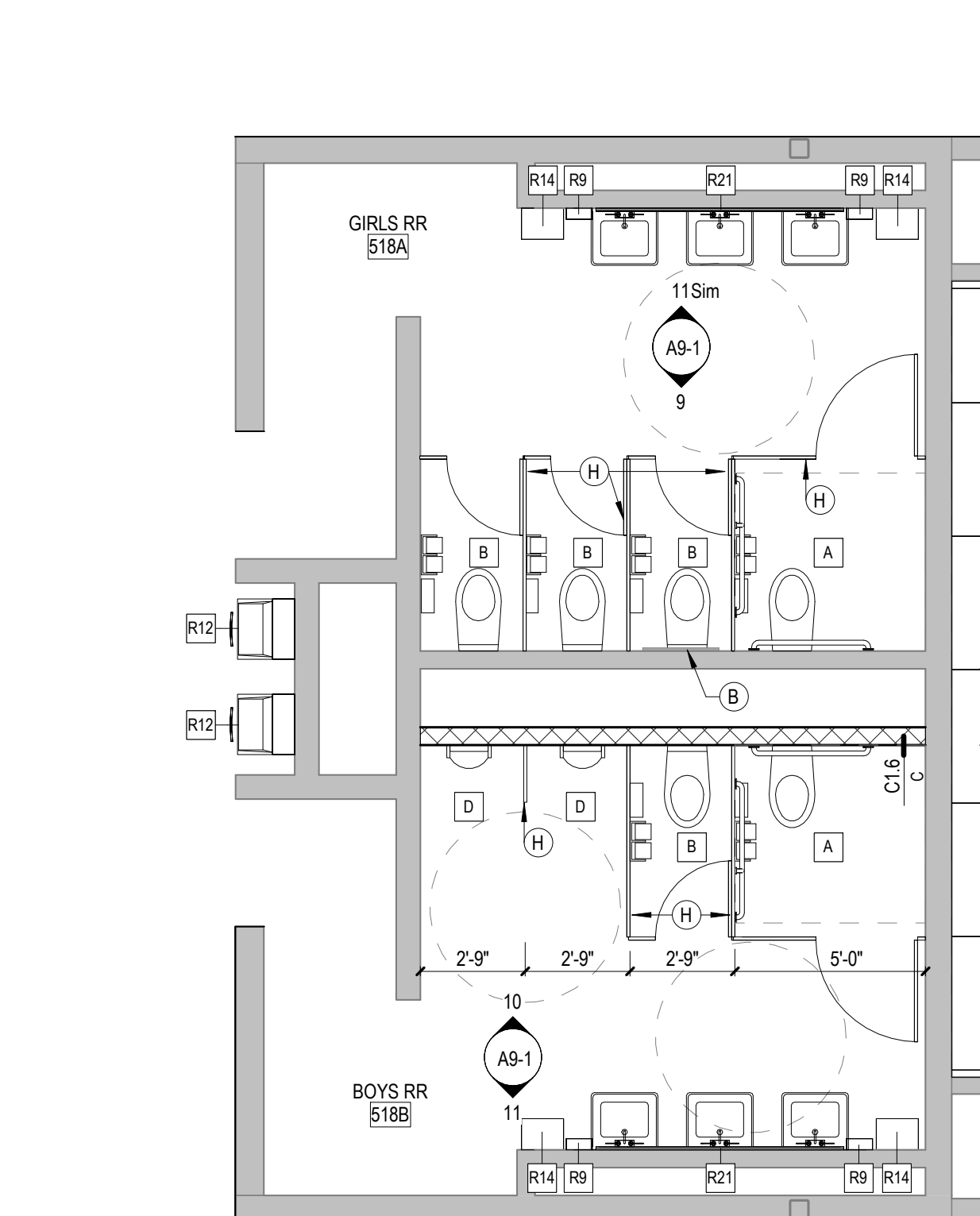
17 TYP. FACULTY RR SOUTH
SCALE: 1/4" = 1'-0"

18 TYP. FACULTY RR WEST
SCALE: 1/4" = 1'-0"

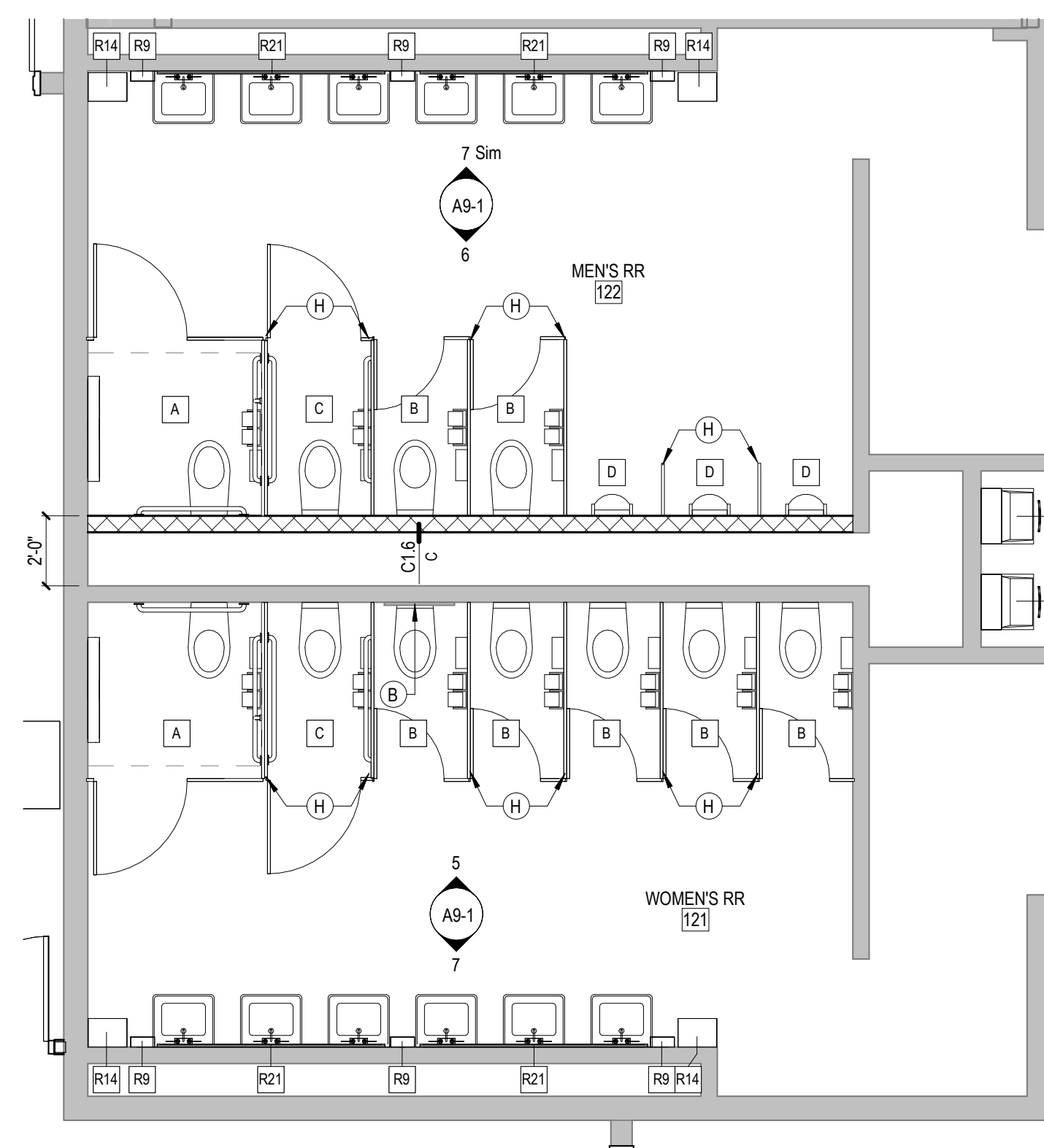
19 TYP. FACULTY RR NORTH
SCALE: 1/4" = 1'-0"

20 TYP. FACULTY RR EAST
SCALE: 1/4" = 1'-0"

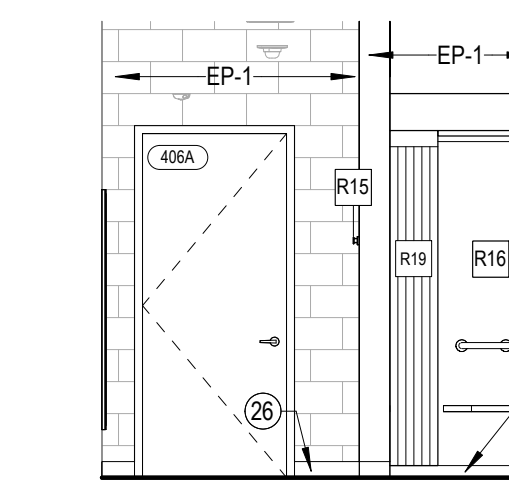
21 ENLARGED PLAN - FRONT OFFICE RESTROOMS
SCALE: 1/4" = 1'-0"



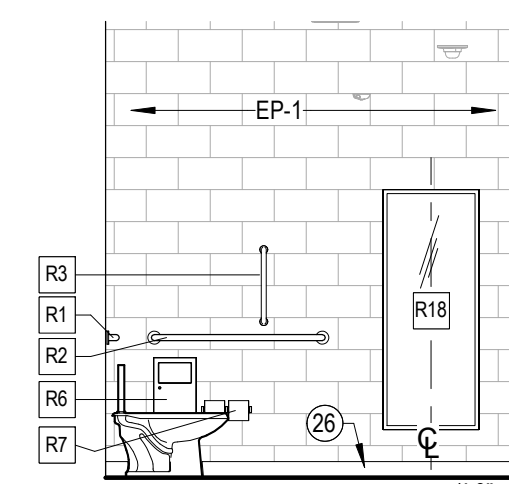
8 ENLARGED PLAN - TYP. AREA B & D RESTROOMS
SCALE: 1/4" = 1'-0"



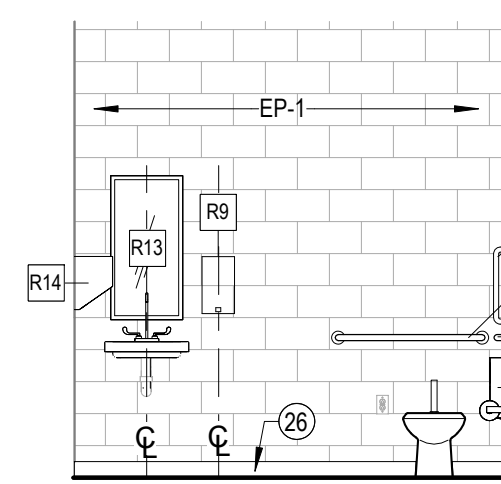
4 ENLARGED PLAN - AREA C RESTROOMS
SCALE: 1/4" = 1'-0"



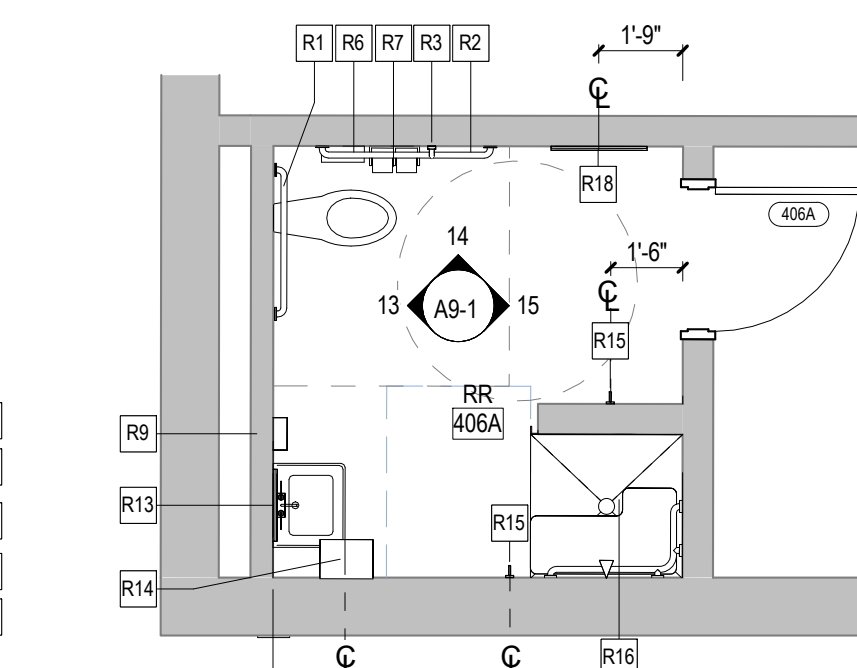
15 COACHES RR EAST
SCALE: 1/4" = 1'-0"



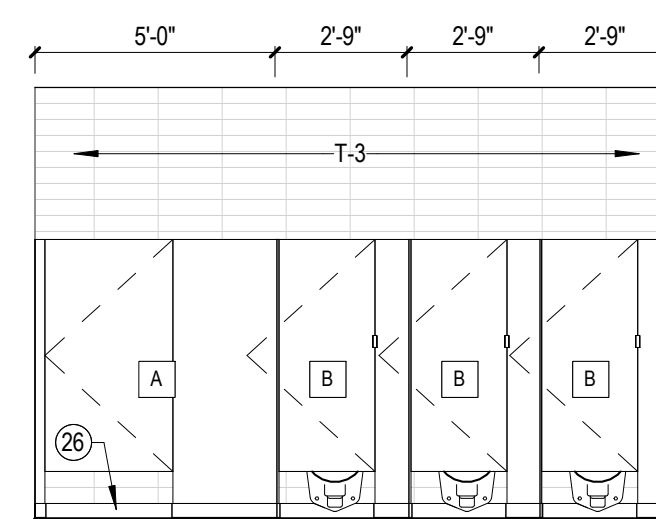
14 COACHES RR NORTH
SCALE: 1/4" = 1'-0"



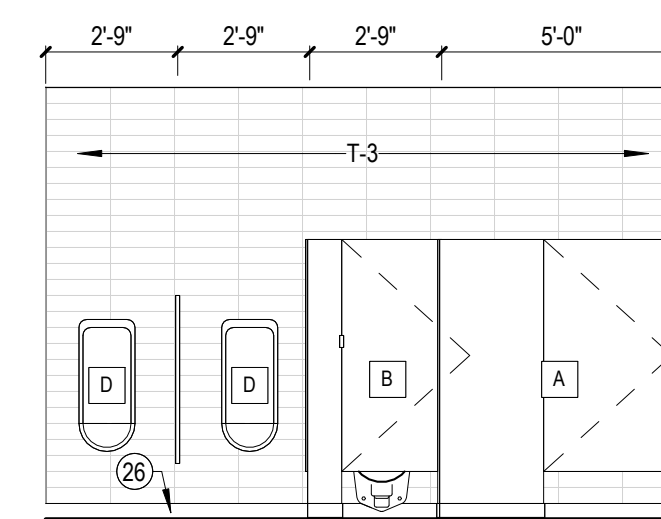
13 COACHES RR WEST
SCALE: 1/4" = 1'-0"



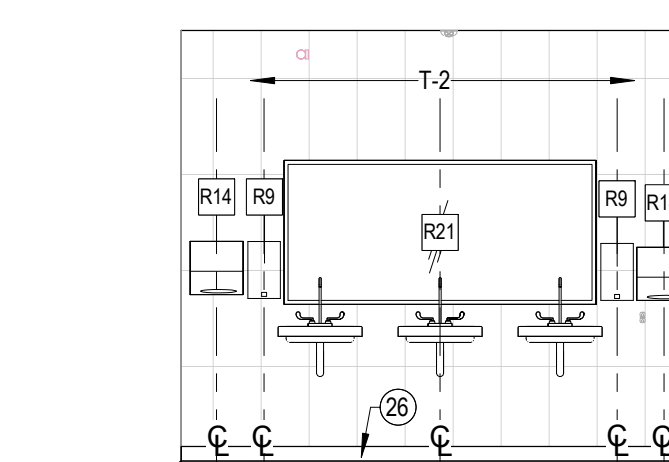
12 ENLARGED PLAN - TYP COACHES RR
SCALE: 1/4" = 1'-0"



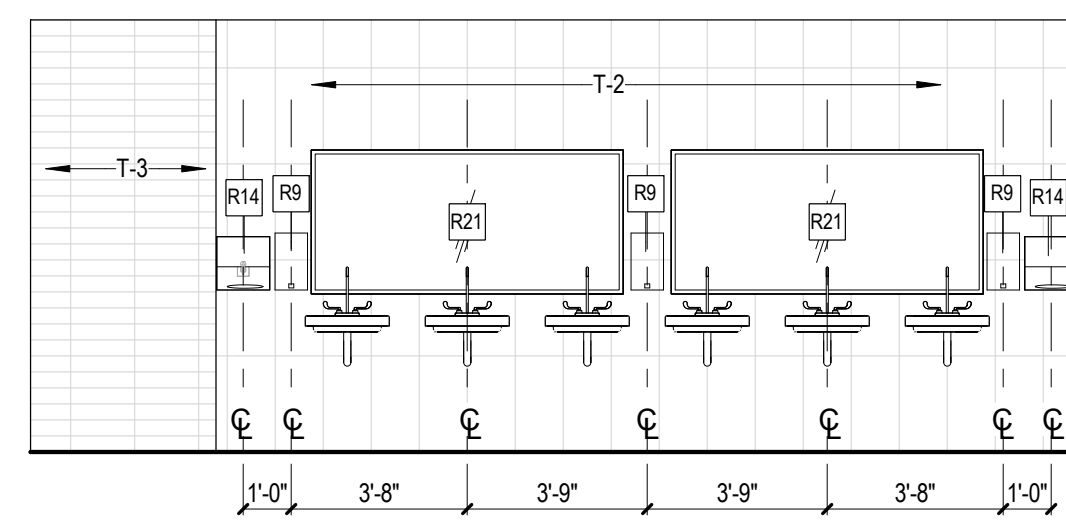
9 TYP GIRLS WW AREA B & D
SCALE: 1/4" = 1'-0"



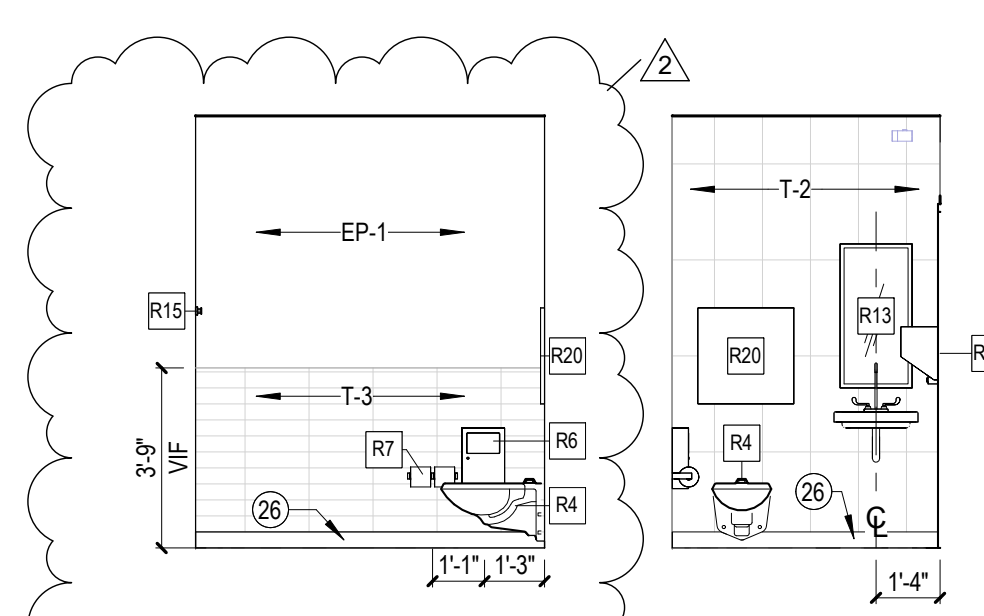
10 TYP BOYS WW AREA B & D
SCALE: 1/4" = 1'-0"



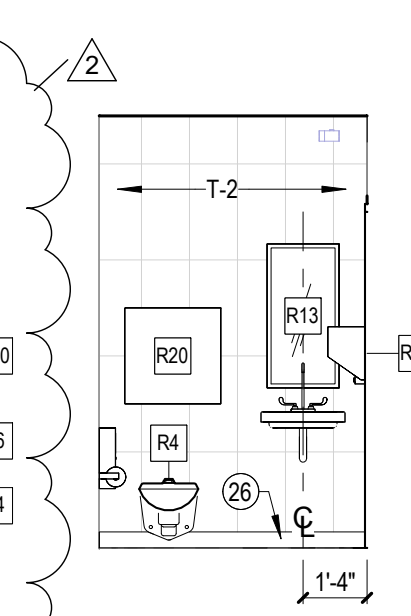
11 TYP SINK WALL AREA B & D
SCALE: 1/4" = 1'-0"



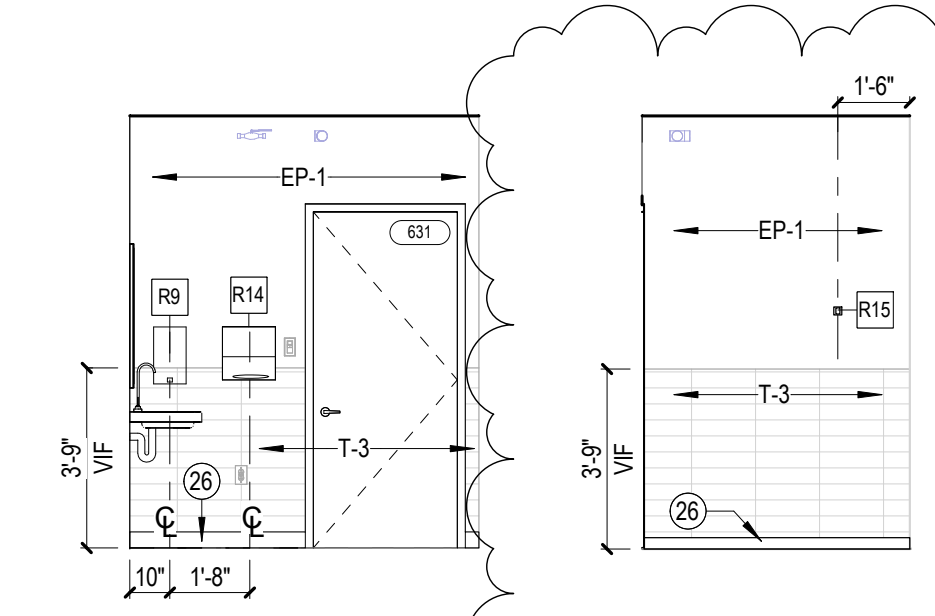
7 TYP 121 & 122 SINK WALL
SCALE: 1/4" = 1'-0"



29 FACULTY WALL 1
SCALE: 1/4" = 1'-0"



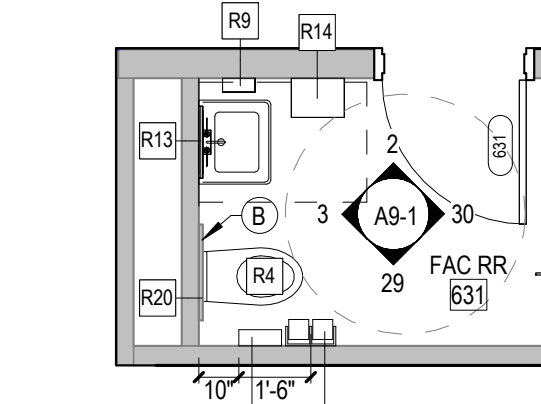
3 FACULTY WALL 2
SCALE: 1/4" = 1'-0"



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

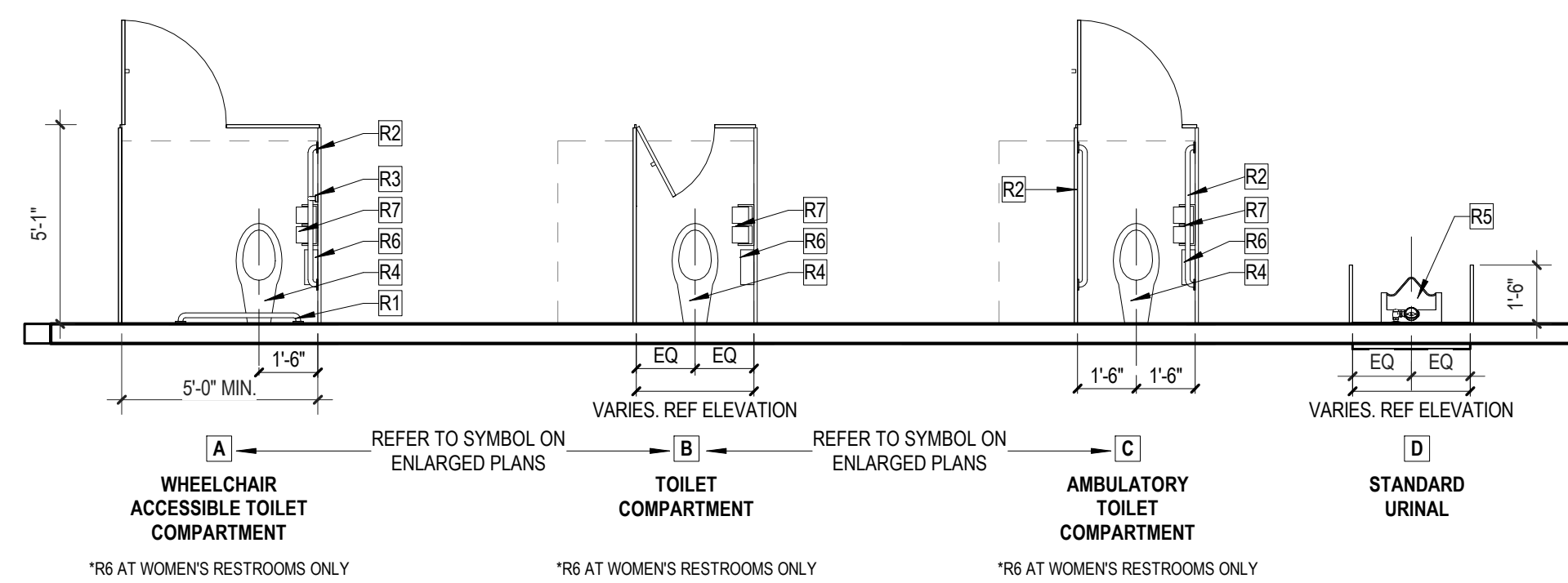


30 FACULTY WALL 4
SCALE: 1/4" = 1'-0"

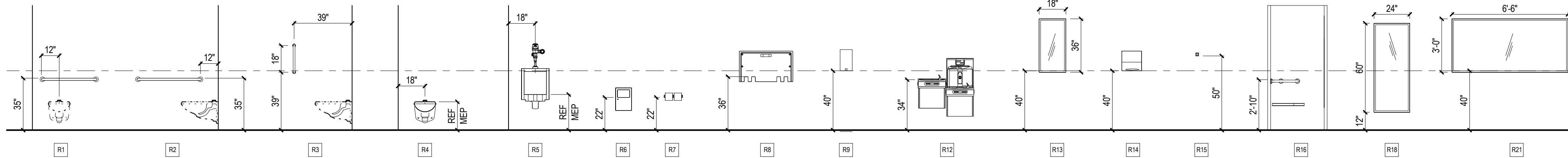


1 ENLARGED PLAN - FACULTY RR - AREAS B & D
SCALE: 1/4" = 1'-0"

STANDARD TOILET COMPARTMENT LEGEND



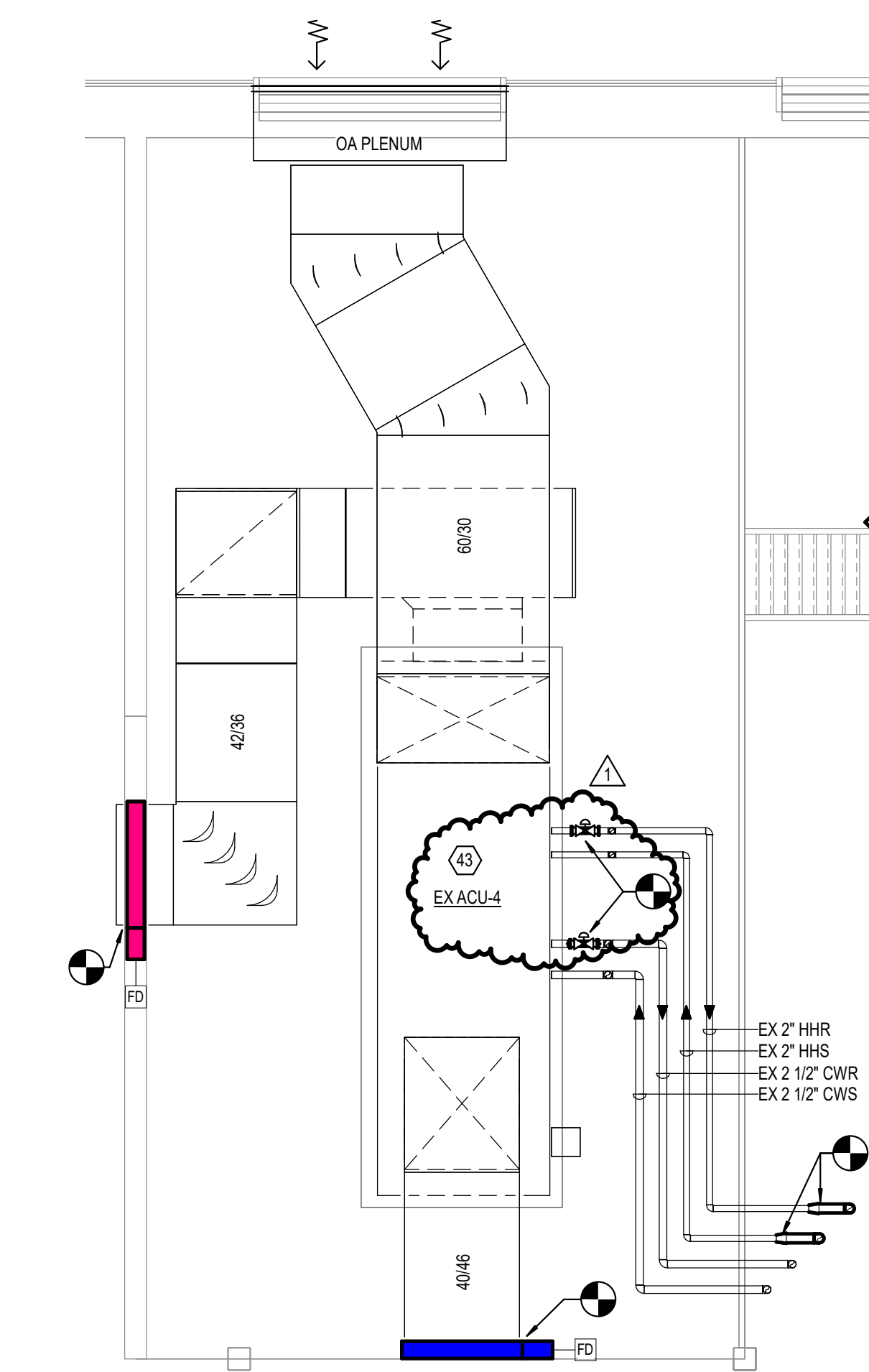
MOUNTING HEIGHT LEGEND



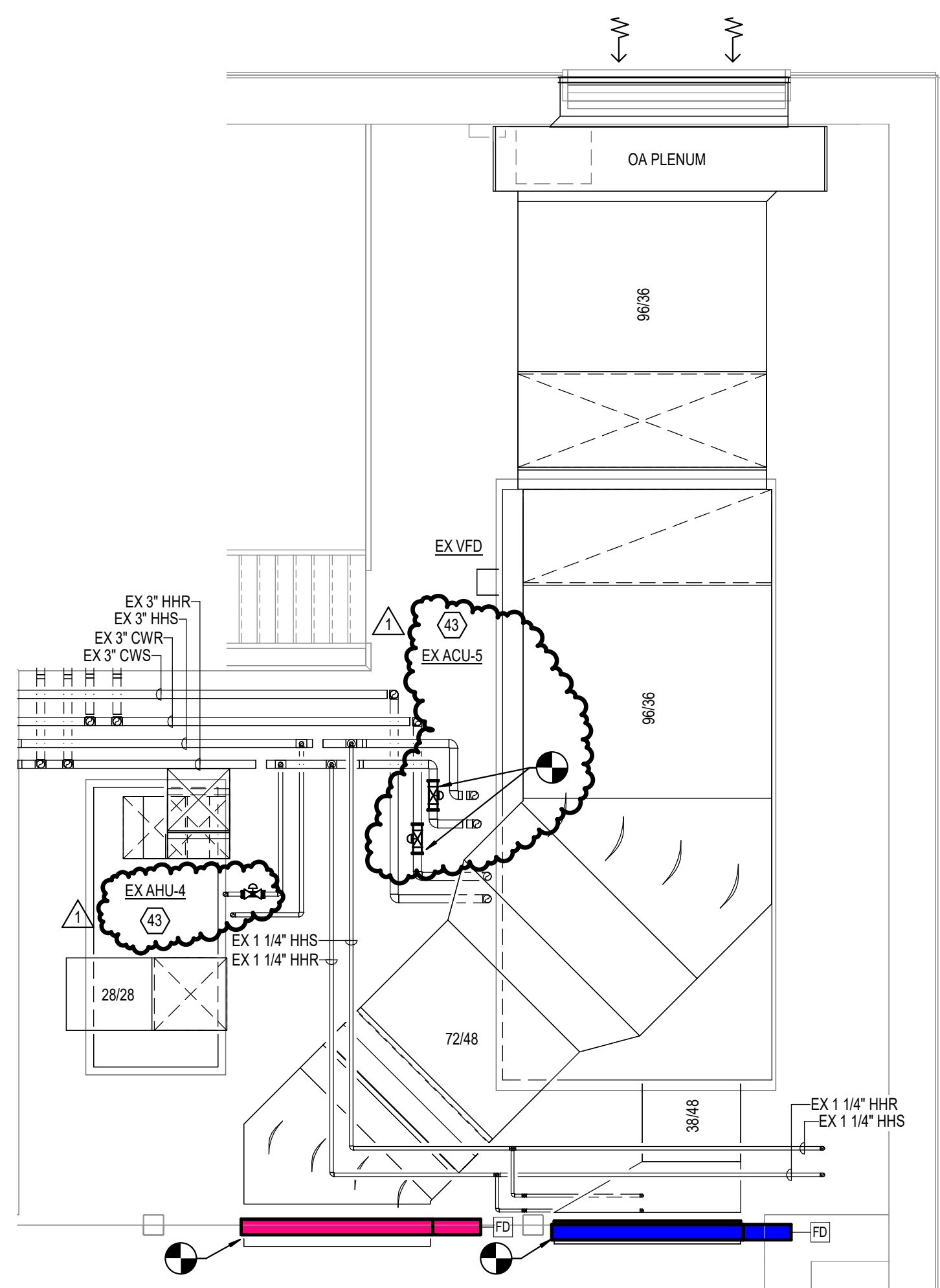
REVISIONS

NO.	DATE	DESCRIPTION
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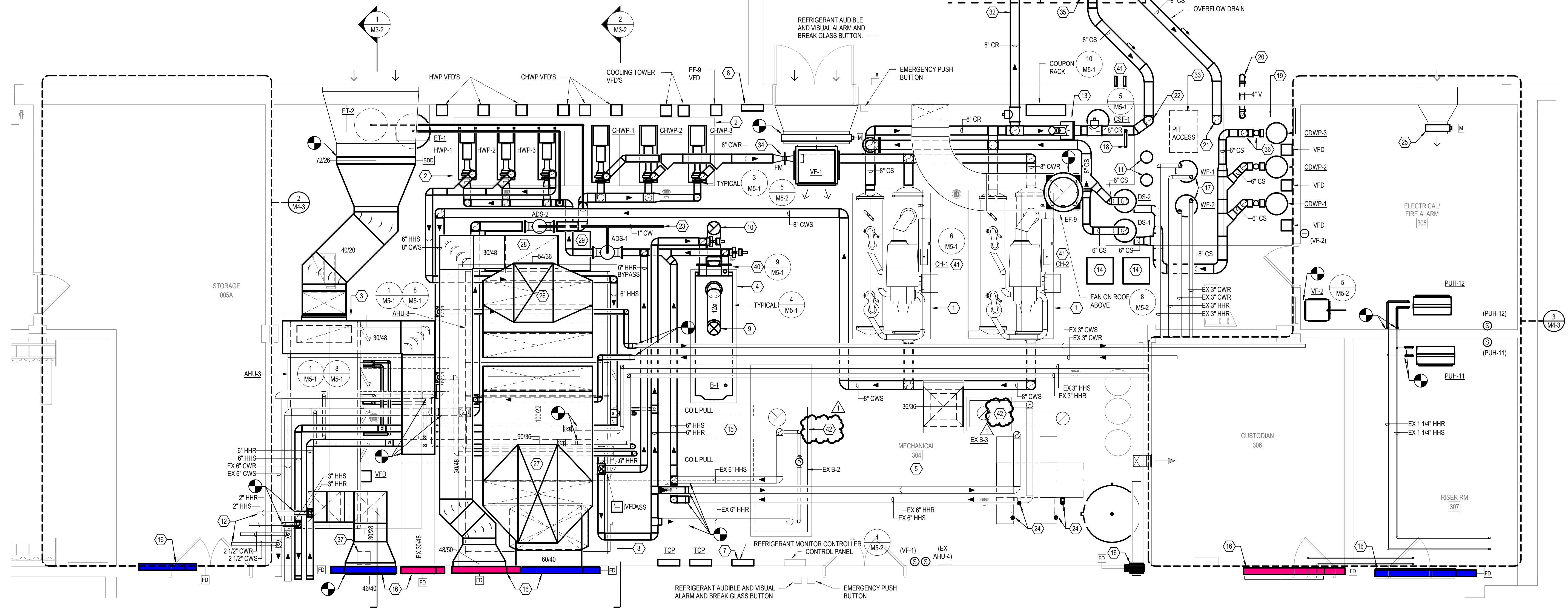
2	02/06/2025	ADDENDUM 2
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MECHANICAL ROOM MEZZANINE A
MECHANICAL PLAN
 1/4" = 1'-0"



MECHANICAL ROOM MEZZANINE B
MECHANICAL PLAN
 1/4" = 1'-0"



ENLARGED - MECHANICAL ROOM PLAN
 1/4" = 1'-0"

GENERAL NOTES

- A REFER TO SHEET M-100 FOR GENERAL MECHANICAL NOTES, SYMBOLS AND ABBREVIATIONS.
- B REFER TO DRAWING M-500 SERIES FOR MECHANICAL DETAILS.
- C REFER TO DRAWING M-600 SERIES FOR MECHANICAL SCHEDULES.

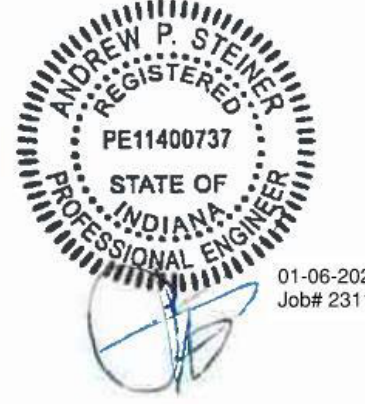
SHEET KEYNOTES

- 1 EXTEND EXISTING 4" CONCRETE PAD AS REQUIRED TO ACCOMMODATE NEW CHILLER.
- 2 EXTEND EXISTING 4" CONCRETE PAD AS REQUIRED TO ACCOMMODATE NEW PUMPS.
- 3 EXTEND EXISTING 4" CONCRETE PAD AS REQUIRED TO ACCOMMODATE NEW AIR HANDLING UNIT.
- 4 NEW 4" CONCRETE HOUSE KEEPING PAD FOR BOILER.
- 5 ALL NEW EQUIPMENT IN THIS ROOM MUST BE BROUGHT INTO BUILDING THROUGH DOUBLE DOORS IN COOLING TOWER YARD OR ADJACENT CORRIDOR.
- 6 AIR HANDLING UNIT MUST BE BROUGHT THROUGH OUTSIDE AIR LOUVER IN SECTIONS.
- 7 PROVIDE AND INSTALL NEW REFRIGERANT MONITORING SYSTEM SIMILAR TO AGS MERINGUARD CONTROLLER. AGSRTFT SERIES MONITOR, AGSAB8 ALARM, AND BMS TIE-IN FOR PRE-ALARM AND HIGH-ALARM RELAYS.
- 8 COOLING TOWER CONTROL PANEL SHALL BE LOCATED INSIDE MECHANICAL ROOM.
- 9 12" DIAMETER INTAKE FOR BOILER UP THROUGH ROOF. CONFIRM SIZE REQUIRED WITH BOILER MANUFACTURER. TERMINATE WITH MANUFACTURER APPROVED INTAKE TERMINATION KIT.
- 10 12" DIAMETER DOUBLE WALL STAINLESS STEEL FLUE FOR BOILER UP THROUGH ROOF. CONFIRM SIZE REQUIRED WITH BOILER MANUFACTURER. TERMINATE WITH MANUFACTURER APPROVED TERMINATION KIT.
- 11 LAKOS SOLIDS RECOVERY VESSEL, MODEL SRV-816.
- 12 PIPING TO AHU ON MEZZANINE.
- 13 COOLING TOWER BYPASS VALVE.
- 14 COOLING TOWER CHEMICAL INJECTION STORAGE TANKS.
- 15 PATCH EXISTING HOLES THROUGH ROOF FROM REMOVAL OF BOILER WATERSPLUES TO MATCH CURRENT ROOF STRUCTURE.
- 16 NEW FIRE DAMPER IN DUCTWORK.
- 17 WATER FILTER MOUNTED ON FLOOR FOR CHILLED AND HEATING WATER SYSTEMS. CHILLED WATER SYSTEM FILTER LIKE HARRISCO HURRICANE FILTER MODEL HC175-50 WITH 50 MICRON, MIN. TO 50. FT. PLEATED MEDIA FILTER. MAX 6.0 PSI P.D. FLOW THRU FILTER TO BE 154 GPM. HEATING WATER SYSTEM FILTER LIKE HARRISCO HURRICANE FILTER MODEL HC20-50 WITH 50 MICRON, MIN. TO 50. FT. PLEATED MEDIA FILTER. MAX 6.0 PSI P.D. FLOW THRU FILTER TO BE 88 GPM.
- 18 2" SOFT COLD WATER MAKE-UP FOR COOLING TOWERS. SEE PLUMBING DRAWINGS FOR PIPING CONTINUATION.
- 19 CLEAN AND EPOXY PAINT CONDENSER WATER SUMP PIT. PIT IS APPROXIMATELY 11'-0" L x 10'-0" W x 11'-0" D.
- 20 NEW LOCATION OF 4" SUMP VENT. TERMINATE OUTSIDE WITH ELBOW DOWN AND WIRE MESH SCREEN.
- 21 ROUTE NEW OVERFLOW DRAIN DOWN IN PIT WHERE OLD VENT PIPE WAS LOCATED. EXPAND EXISTING HOLE IN PIT LID AS REQUIRED FOR LARGER PIPE.
- 22 ROUTE NEW CONDENSER WATER PIPE DOWN IN PIT AS REQUIRED.
- 23 1" SOFT COLD WATER MAKE-UP. SEE PLUMBING DRAWINGS FOR PIPING CONTINUATION.
- 24 3" PVC WATER HEATER FLUE AND INTAKE UP THROUGH ROOF. VERIFY ALL FLUE AND INTAKE REQUIREMENTS WITH WATER HEATER MANUFACTURER. TERMINATE INTAKE WITH GOOSENECK AT 3'-0" ABOVE ROOF. TERMINATE FLUE WITH MANUFACTURER APPROVED FLUE VENT CAP AS REQUIRED.
- 25 PROVIDE AND INSTALL NEW MOTORIZED DAMPER TO BE INTERLOCKED WITH THE OPERATION OF VF-2.
- 26 EXHAUST AIR DUCT UP THROUGH ROOF TO GRAVITY HOOD.
- 27 SUPPLY AIR DUCT UP THROUGH ROOF TO GRAVITY HOOD.
- 28 RETURN AIR DUCT DOWN TO RETURN AIR PLENUM OFF BACK OF UNIT.
- 29 RETURN AIR PLENUM AS REQUIRED.
- 30 ROUTE 1-1/2" CONDENSATE DRAIN FOR FLOOR DRAIN.
- 31 ROUTE 2" CONDENSATE DRAIN LINE TO FLOOR DRAIN.
- 32 SUPPORT CONDENSER WATER PIPING FROM COOLING TOWER SUPPORT STEEL.
- 33 PROVIDE AND INSTALL NEW SUMP PIT ACCESS DOOR. DOOR SHALL BE POLYMER CORROSION RESISTANT AND WALKABLE.
- 34 FLOW METER ALLOW FOR UPSTREAM AND DOWNSTREAM STRAIGHT PIPE LENGTH REQUIRED BY FLOW METER MANUFACTURER.
- 35 BUTTERFLY VALVE, TYPICAL.
- 36 DISCHARGE ISOLATION VALVE, CHECK VALVE AND PRESSURE GAUGE ON VERTICAL TURBINE PUMP, TYPICAL.
- 37 LOW VOLTAGE CONTROLS TRANSFORMER FOR AHU-3 ONLY. THIS TRANSFORMER TO BE ON EMERGENCY POWER.
- 38 LOW VOLTAGE CONTROLS TRANSFORMER FOR AHU-4 ONLY. THIS TRANSFORMER TO BE ON EMERGENCY POWER.
- 39 LOW VOLTAGE CONTROLS TRANSFORMER FOR AHU-5 ONLY. THIS TRANSFORMER TO BE ON EMERGENCY POWER.
- 40 ROUTE BOILER CONDENSATE DRAIN TO APPROVED MANUFACTURER NEUTRALIZATION KIT. TERMINATE AT FLOOR DRAIN AS REQUIRED.
- 41 ROUTE ALL REFRIGERANT RELIEF VALVES FROM A SINGLE CHILLER TO A COMMON RELIEF VENT MAIN AND ROUTE TO THE OUTSIDE AS REQUIRED. VERIFY ALL QUANTITIES, SIZES AND LOCATIONS WITH CHILLER MANUFACTURER. TERMINATE RELIEF VALVES A MINIMUM OF 20'-0" FROM ALL INTAKES AND ROOFS. NO MINIMUM OF 15'-0" ABOVE FINISHED ROOF.
- 42 REPLACE EXISTING BOILER CONTROLS.
- 43 REPLACE EXISTING AIR HANDLING UNIT CONTROLS WITH NEW CONTROLS, INCLUDING TEMPERATURE CONTROL VALVES.



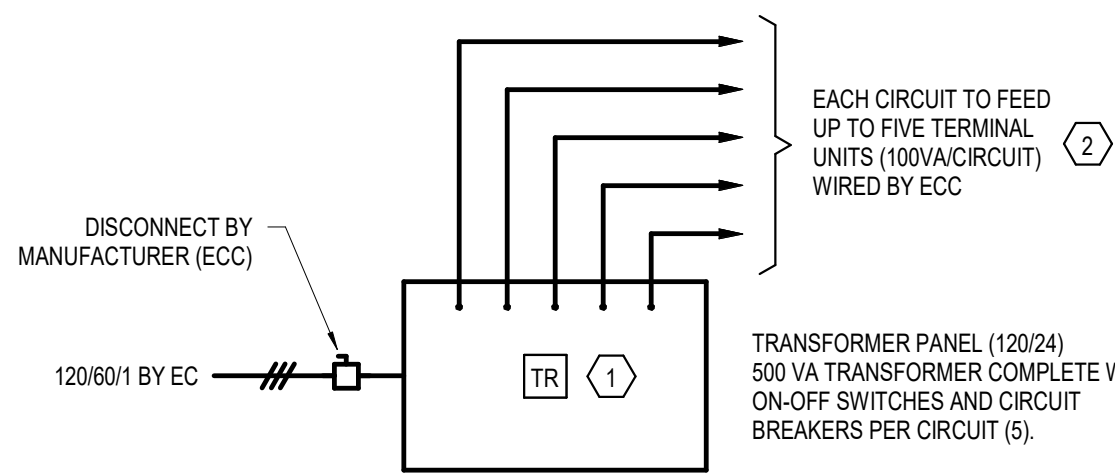
REVISIONS	
1	02.05.2025 ADDENDUM #2

01.06.2025
 HAMILTON SOUTHEASTERN SCHOOL CORPORATION
23055 - FALL CREEK INTERMEDIATE RENOVATIONS
 12011 Ole Rd., Fishers, IN 46037
 CONSTRUCTION DOCUMENTS



CONSTRUCTION DOCUMENTS
 01.06.2025
 kM JOB NO.
23055
 DRAWN BY
 CME
ENLARGED MECHANICAL PLANS

DRAWING NO.
M4-3

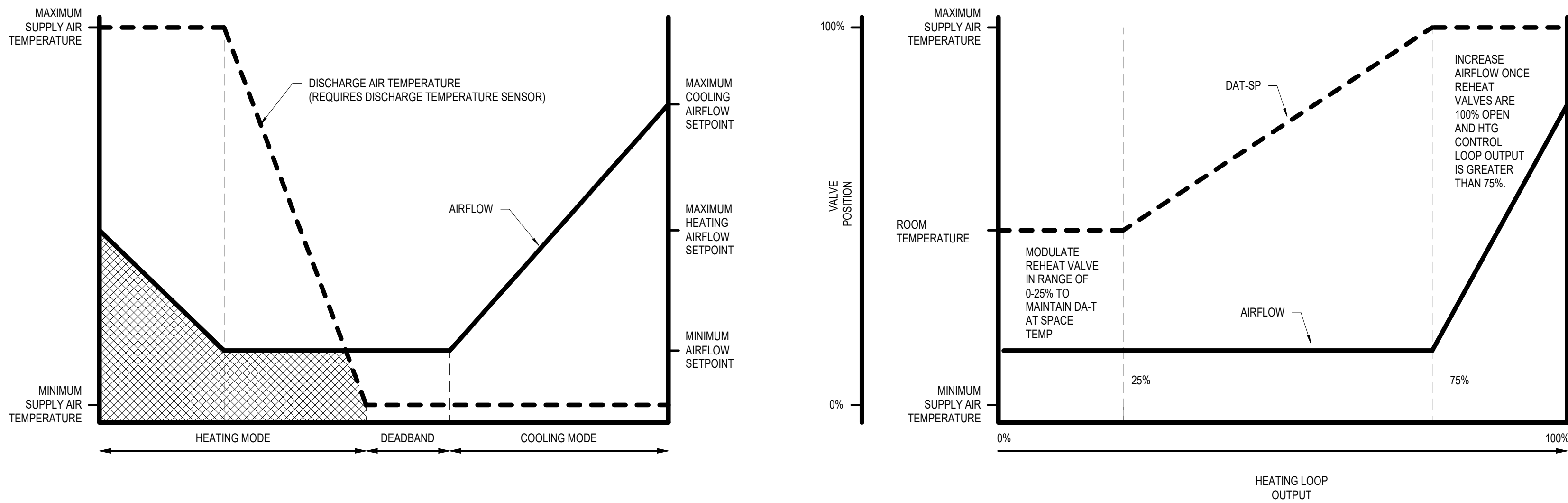


PLAN NOTES:

- TRANSFORMER PANELS TO BE LOCATED IN ELECTRICAL, STORAGE AND MECHANICAL ROOMS AS SHOWN ON PLANS.
 - LOW VOLTAGE WIRING SHALL NOT EXCEED 150' FROM TRANSFORMER TO CONTROLLER.
 - MOUNTING AND 24V FIELD WIRING BY ECC, POWER WIRING BY EC
 - PROVIDE FUNCTIONAL DEVICES PERMANENT OR EQUAL.
 - ALLOW FOR 30% SPARE CAPACITY FOR ANY FUTURE MODIFICATIONS TO FLOOR PLAN.
- 24 VOLT WIRING TO TERMINAL UNITS TO MEET ALL LOCAL, STATE AND NATIONAL CODES AND STANDARDS IN ADDITION TO PROJECT SPECIFICATIONS.

3 TERMINAL BOX POWER SUPPLY CONTROL SCHEMATIC

NOT TO SCALE



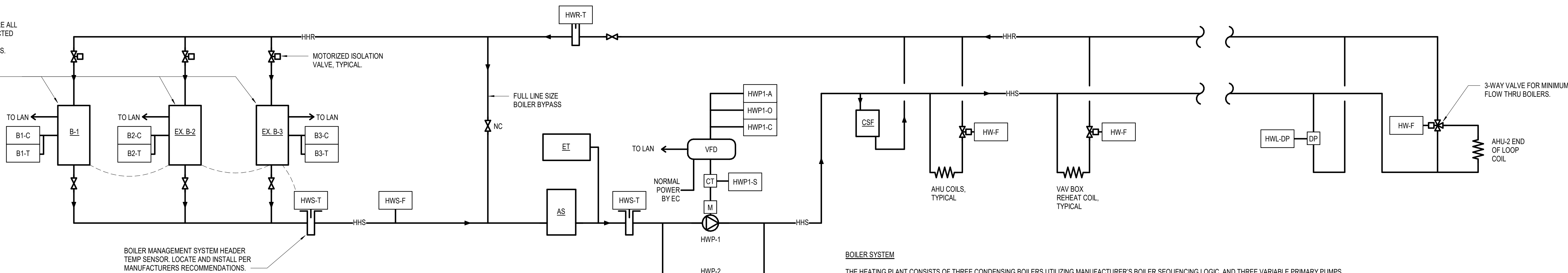
4 TERMINAL BOX DUAL MAXIMUM CONTROL DIAGRAM

NO SCALE

NOTE: PROVIDE AND INSTALL NEW OA TEMPERATURE AND OA HUMIDITY SENSORS ON NORTH WALL OF BUILDING AREA D.

T.C. TO COORDINATE WITH BOILER MANUFACTURER TO ENSURE ALL FIELD WIRING AND DEVICES ARE PROPERLY INSTALLED, CONNECTED AND CONFIGURED AND TO ENSURE COMMUNICATIONS AND FUNCTIONAL INFORMATION IS BEING SHARED BETWEEN SYSTEMS.

MECHANICAL CONTRACTOR TO INSTALL PIPE MOUNTED BOILER ACCESSORIES, DEVICES, VALVES, ETC...

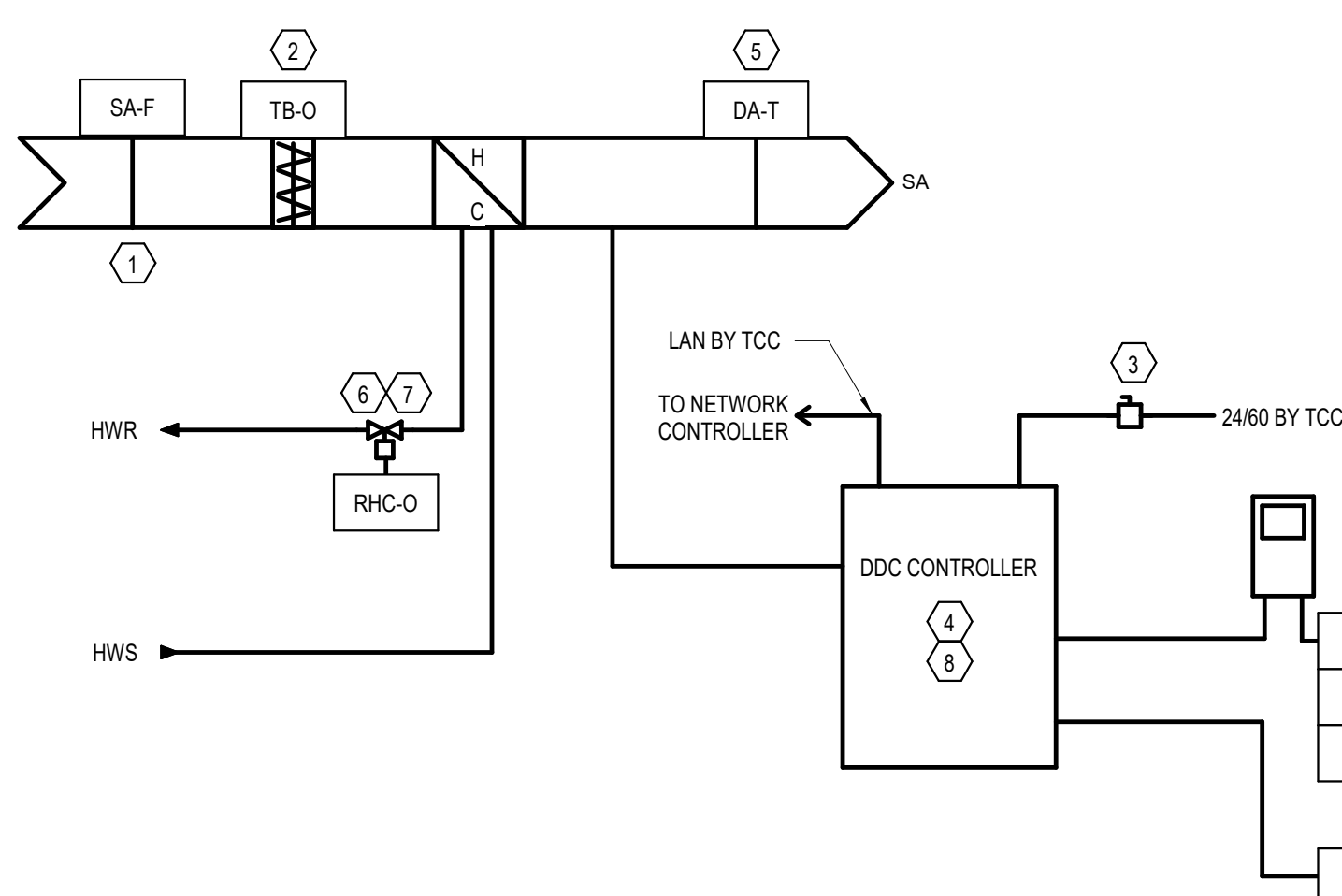


DDC CONTROLLER - HHW BOILERS							
CONTROLLER POINT & TYPE	OBJECT NAME	OBJECT DESCRIPTION	UNITS	TREND	ALARM	GRAPHIC	NOTES
AI	HWM-OP	HOT WATER LOOP DIFFERENTIAL PRESSURE SENSOR	IN WC	Yes	No	Yes	
AI	HWT-T	HOT WATER TEMPERATURE	DEG F	Yes	No	Yes	
AI	HW-F	HOT WATER FLOW	% OPEN	Yes	No	Yes	
AI	HW-F	HOT WATER FLOW	% OPEN	Yes	No	Yes	
AI	HWS-T	BOILER MANAGEMENT SYSTEM HEADER TEMPERATURE	DEG F	Yes	No	Yes	
AI	HWS-F	HOT WATER FLOW	% OPEN	Yes	No	Yes	
AI	HW-F	HOT WATER FLOW	% OPEN	Yes	No	Yes	
AI	HWS-T	BOILER MANAGEMENT SYSTEM HEADER TEMPERATURE	DEG F	Yes	No	Yes	
AO	HWP1-O	HOT WATER PUMP 1 SPEED	%	Yes	No	Yes	
AO	HWP2-O	HOT WATER PUMP 2 SPEED	%	Yes	No	Yes	
AO	B2-T	BOILER 1 TEMPERATURE	DEG F	Yes	No	Yes	
AO	B3-T	BOILER TEMPERATURE	DEG F	Yes	No	Yes	
AO	HWP3-O	HOT WATER PUMP 2 SPEED	%	Yes	No	Yes	
AO	B1-T	BOILER 1 TEMPERATURE	DEG F	Yes	No	Yes	
BI	HWP1-S	HOT WATER PUMP 1 STATUS	OFF/ON	Yes	No	Yes	
BI	HWP1-A	HOT WATER PUMP 1 ALARM	Yes	No	Yes	ALARM	
BI	HWP2-S	HOT WATER PUMP 2 STATUS	OFF/ON	Yes	No	Yes	
BI	HWP2-A	HOT WATER PUMP 2 ALARM	Yes	No	Yes	ALARM	
BI	HWP3-S	HOT WATER PUMP 2 STATUS	OFF/ON	Yes	No	Yes	
BI	HWP3-A	HOT WATER PUMP 2 ALARM	No	Yes	Yes	ALARM	
BO	HWP1-C	HOT WATER PUMP 1 COMMAND	START/STOP	Yes	No	Yes	
BO	B2-C	BOILER 1 COMMAND	START/STOP	Yes	No	Yes	
BO	B3-C	BOILER 2 COMMAND	START/STOP	Yes	No	Yes	
BO	HWP3-C	HOT WATER PUMP 1 COMMAND	START/STOP	Yes	No	Yes	
BO	B1-C	BOILER 1 COMMAND	START/STOP	Yes	No	Yes	

1 HEATING HOT WATER FLOW / CONTROL DIAGRAM

NOT TO SCALE

DDC POINT SCHEDULE - HOT WATER TERMINAL BOX							
CONTROLLER POINT & TYPE	OBJECT NAME	OBJECT DESCRIPTION	UNITS	TREND	ALARM	GRAPHIC	NOTES
AI	DA-T	DISCHARGE AIR TEMPERATURE	DEG F	Yes	No	Yes	
AI	TB-O	TB DAMPER OUTPUT	% OUTPUT	Yes	No	Yes	
AI	T	SPACE TEMP	DEG F	Yes	No	Yes	
AI	H	SPACE HUMIDITY	% RH	Yes	No	Yes	
AI	CO2	SPACE CARBON DIOXIDE	PPM	Yes	No	Yes	
AI	SA-F	SUPPLY AIRFLOW	CFM	Yes	No	Yes	
AI	OS	SPACE OCCUPANCY SENSOR		Yes	No	Yes	
AO	RHC-O	RE-HEAT COIL VALVE OUTPUT	% OPEN	Yes	No	Yes	



PLAN NOTES:

- FLOW SENSOR INTEGRAL WITH TERMINAL BOX.
- TERMINAL BOX ACTUATOR FURNISHED BY TCC. INSTALLED BY TERMINAL BOX SUPPLIER.
- TERMINAL BOX DISCONNECT PROVIDED BY TERMINAL BOX MANUFACTURER.
- DDC CONTROLLER FURNISHED BY TCC. INSTALLED BY BOX SUPPLIER. COMMISSIONED BY CMA.
- FURNISHED, INSTALLED, AND WIRED BY TCC. COMMISSIONED BY CMA.
- FURNISHED BY TCC AND INSTALLED BY MC.
- FAIL IN LAST POSITION.
- OCCUPANCY SENSOR RELAYS ARE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. WIRING FROM THE OCCUPANCY SENSOR RELAY TO THE TERMINAL UNIT CONTROLLER IS FURNISHED AND INSTALLED BY TCC. COMMISSIONED BY CMA.
- REFER TO PLANS FOR LOCATIONS AND QUANTITIES.

2 TERMINAL BOX CONTROL SCHEMATIC

NOT TO SCALE

THERMOSTAT / TEMPERATURE SENSOR SCHEDULE

PROVIDE NON-READABLE THERMOSTAT / TEMPERATURE SENSORS.

- CLASSROOMS, OFFICES AND CONFERENCE ROOMS - ADJUSTABLE WITH +/- ADJUSTER. CAN BE DISABLED BY BMS.
- NO DISPLAY ON ANY THERMOSTAT OR SENSOR.
- CORRIDORS, COMMON AREAS, AND BATHROOMS SHOULD BE BLANK PLATE SENSOR ONLY.

SEQUENCE OF OPERATION - VAV BOXES:

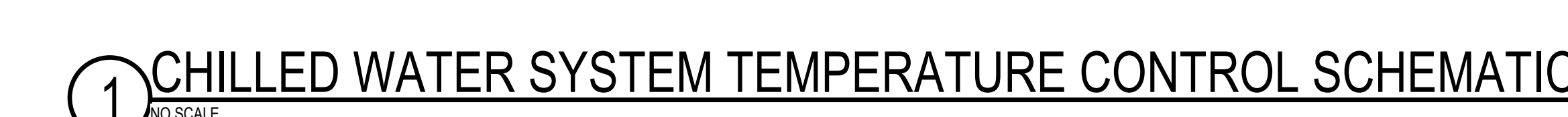
- THE VARIABLE AIR VOLUME (VAV) TERMINAL UNIT IS CONTROLLED INDEPENDENT OF SYSTEM PRESSURE FLUCTUATIONS AND CHANGES IN SPACE TEMPERATURE BY MODULATING SUPPLY AIR VOLUME FROM SCHEDULED MINIMUM TO SCHEDULED MAXIMUM AIRFLOW VALUES WHILE MODULATING RE-HEAT VALVE TO MAINTAIN SPACE TEMPERATURE.
- WHEN THE ZONE STATE IS COOLING, THE COOLING LOOP OUTPUT SHALL MODULATE FROM SCHEDULED MINIMUM TO SCHEDULED MAXIMUM AIRFLOWS.
- WHEN THE ZONE STATE IS DEADBAND, THE AIRFLOW SETPOINT SHALL BE AT MINIMUM SCHEDULED AIRFLOW WITH HEATING COIL DISABLED.
- WHEN THE ZONE STATE IS HEATING, THE HEATING LOOP SHALL MAINTAIN SPACE TEMPERATURE AS FOLLOWS:
 - STAGE 1: FOR AN OUTPUT OF 0-50%, THE HEATING LOOP SHALL MODULATE THE TERMINAL UNIT REHEAT CONTROL VALVE TO MAINTAIN SPACE TEMPERATURE AT THE SCHEDULED MINIMUM AIRFLOW NOT EXCEEDING 90°F (ADJ) DISCHARGE AIR TEMPERATURE.
 - STAGE 2: F. ADDITIONAL HEAT IS REQUIRED FOR AN OUTPUT OF 51-100%, THE HEATING LOOP SHALL MODULATE THE AIRFLOW FROM SCHEDULED MINIMUM TO SCHEDULED HEATING MAX WHILE NOT EXCEEDING 90°F (ADJ) DISCHARGE AIR TEMPERATURE.
- ANYTIME THE CO2 LEVEL EXCEEDS 800 PPM (ADJ) AS SENSED BY THE SPACE CO2 SENSOR, THE TERMINAL BOX DAMPER SHALL MODULATE TO INCREASE THE SUPPLY AIR VOLUME FROM ITS SCHEDULED MINIMUM FLOW TO THE SCHEDULED MAXIMUM COOLING FLOW TO LOWER PPM BACK TO 800 PPM (ADJ). REHEAT COIL VALVE MODULATES TO MAINTAIN SPACE TEMPERATURE. INITIATE AN ALARM TO THE BAS IN THE EVENT CO2 EXCEEDS 900 PPM (ADJ) FOR LONGER THAN 15 MINUTES.
- WHEN THE ASSOCIATED AHU SUPPLY FAN IS DE-ENERGIZED, EACH TERMINAL UNIT AND HEATING COIL CONTROL VALVE SHALL BE INDEXED TO THE FULLY CLOSED POSITION.
- TEMPERATURE CONTROL BASED ON TIME SCHEDULE AND/OR OCCUPANCY SENSORS AS FOLLOWS:
 - OCCUPIED MODE (ROOM OCCUPANCY SENSED OR OPERATOR SCHEDULE)
 - HEATING SETPOINT = 70°F (ADJ)
 - COOLING SETPOINT = 75°F (ADJ)
 - STANDBY MODE (BUILDING OCCUPANCY SCHEDULE ON, ROOM OCCUPANCY NOT SENSED FOR 30 MINUTES)
 - HEATING SETPOINT = 67°F (ADJ)
 - COOLING SETPOINT = 78°F (ADJ)

SEQUENCE OF OPERATION - CAV BOXES:

- THE CONSTANT AIR VOLUME (CAV) TERMINAL UNIT IS CONTROLLED INDEPENDENT OF SYSTEM PRESSURE FLUCTUATIONS AND CHANGES IN SPACE TEMPERATURE BY MAINTAINING A CONSTANT AIRFLOW AND MODULATING RE-HEAT VALVE TO MAINTAIN SPACE TEMPERATURE.
- REFER TO VAV SEQUENCE FOR TEMPERATURE SETBACK SEQUENCES.

REVISIONS

1	02.05.25	ADDENDUM #2
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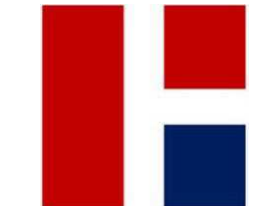
SEQUENCE OF OPERATION:

GENERAL NOTES

- A REFER TO SHEET M-000 FOR GENERAL MECHANICAL NOTES, SYMBOLS AND ABBREVIATIONS.
B REFER TO DRAWING M-500 SERIES FOR MECHANICAL DETAILS.
C REFER TO DRAWING M-600 SERIES FOR MECHANICAL SCHEDULES.
D ALL PIPING RUNOUTS TO TERMINAL UNITS SHALL BE 3/4" UNLESS NOTED OTHERWISE.

SHEET KEYNOTES

- 1 REFRIGERANT LINE SET, SIZE AND QUANTITIES PER MANUFACTURERS RECOMMENDATIONS.
2 MOUNT OUTDOOR DUCTLESS SPLIT CONDENSER ON BUILDING WALL, BOTTOM AT APPROXIMATELY 7'-6" ABOVE GRADE WITH APPROVED WALL BRACKET SUPPORTS PER MANUFACTURERS RECOMMENDATIONS.
3 ROUTE 1" CONDENSATE DRAIN LINE AS HIGH AS POSSIBLE IN ROOM. ROUTE DRAIN LINE DOWN WALL AND TERMINATE OUTSIDE BUILDING AT APPROXIMATELY 1'-0" ABOVE GRADE.
4 ROUTE REFRIGERANT LINES ABOVE CEILING IN CLASSROOM AND DOWN WALL ON OUTSIDE OF BUILDING AND CONNECT TO OUTDOOR UNIT AS REQUIRED. ALL OUTDOOR REFRIGERANT LINES SHALL BE INSULATED AND HAVE ALUMINUM JACKET.
5 TYPICAL. PROVIDE AS MANY LOW VOLTAGE TRANSFORMERS AS REQUIRED ABOVE CEILING. COORDINATE 120V POWER WITH ELECTRICAL. GENERAL LOCATION SHOWN FOR REFERENCE. LOCATE AS REQUIRED. SEE DETAIL #5 ON SHEET M6-1.



REVISIONS

1	01.29.25	ADDENDUM #1
2	02.05.25	ADDENDUM #2

23055 - FALL CREEK INTERMEDIATE RENOVATIONS

01.06.2025

HAMILTON SOUTHEASTERN SCHOOL CORPORATION

12011 Ole Rd., Fishers, IN 46037

CONSTRUCTION DOCUMENTS



CONSTRUCTION DOCUMENTS

01.06.2025

WFL JOB NO. 23055

DRAWN BY CME

DRAWING NAME

FIRST FLOOR

MECHANICAL

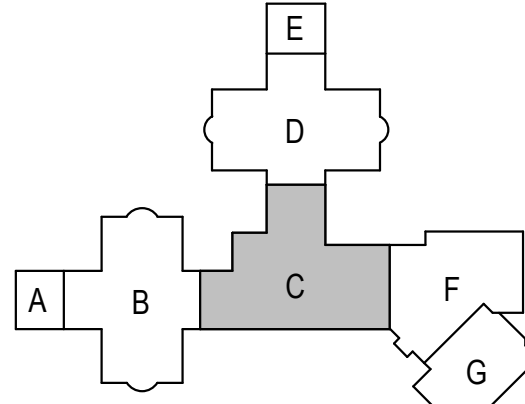
PIPING PLAN - AREA C

C

DRAWING NO.

MP1-3

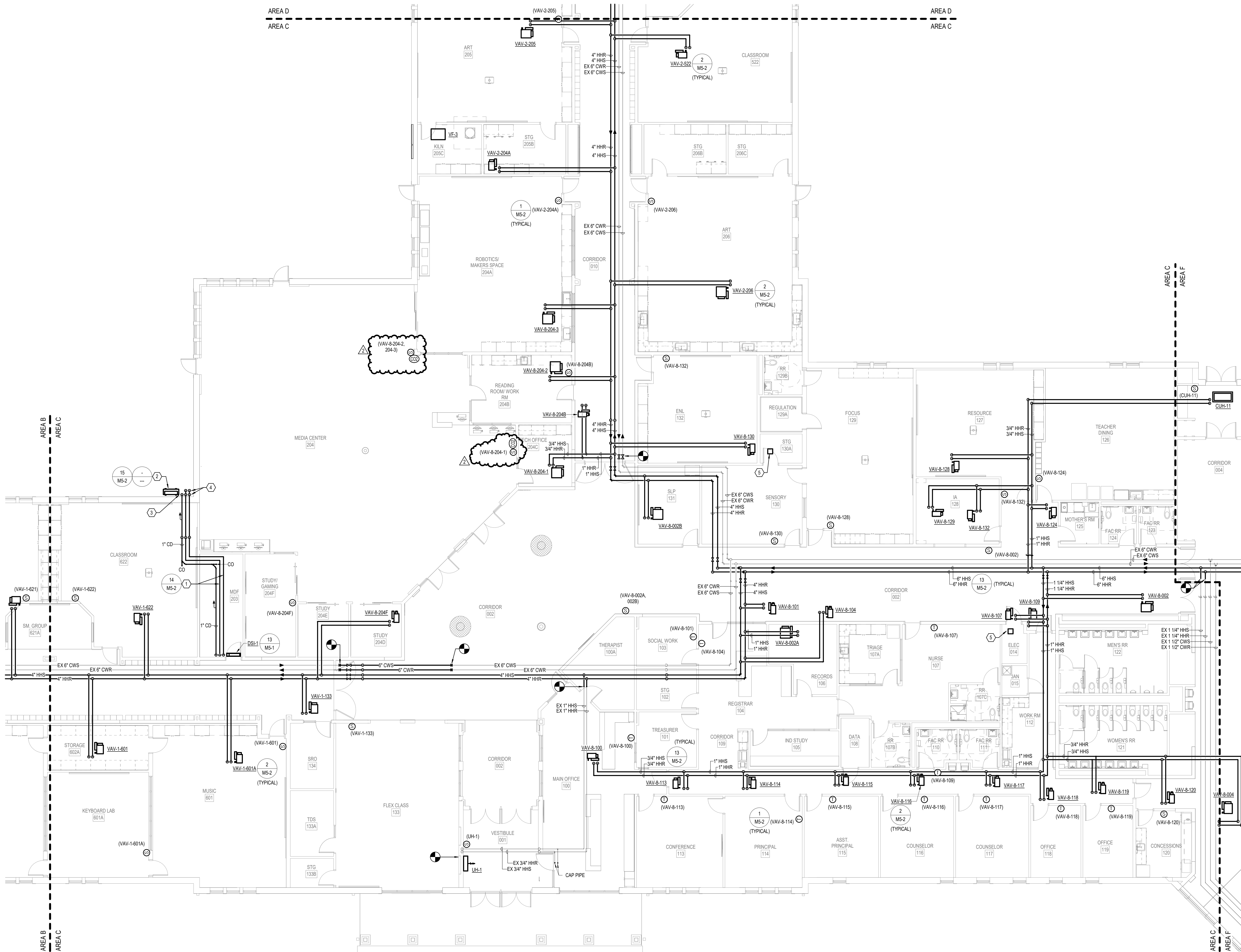
KEY PLAN

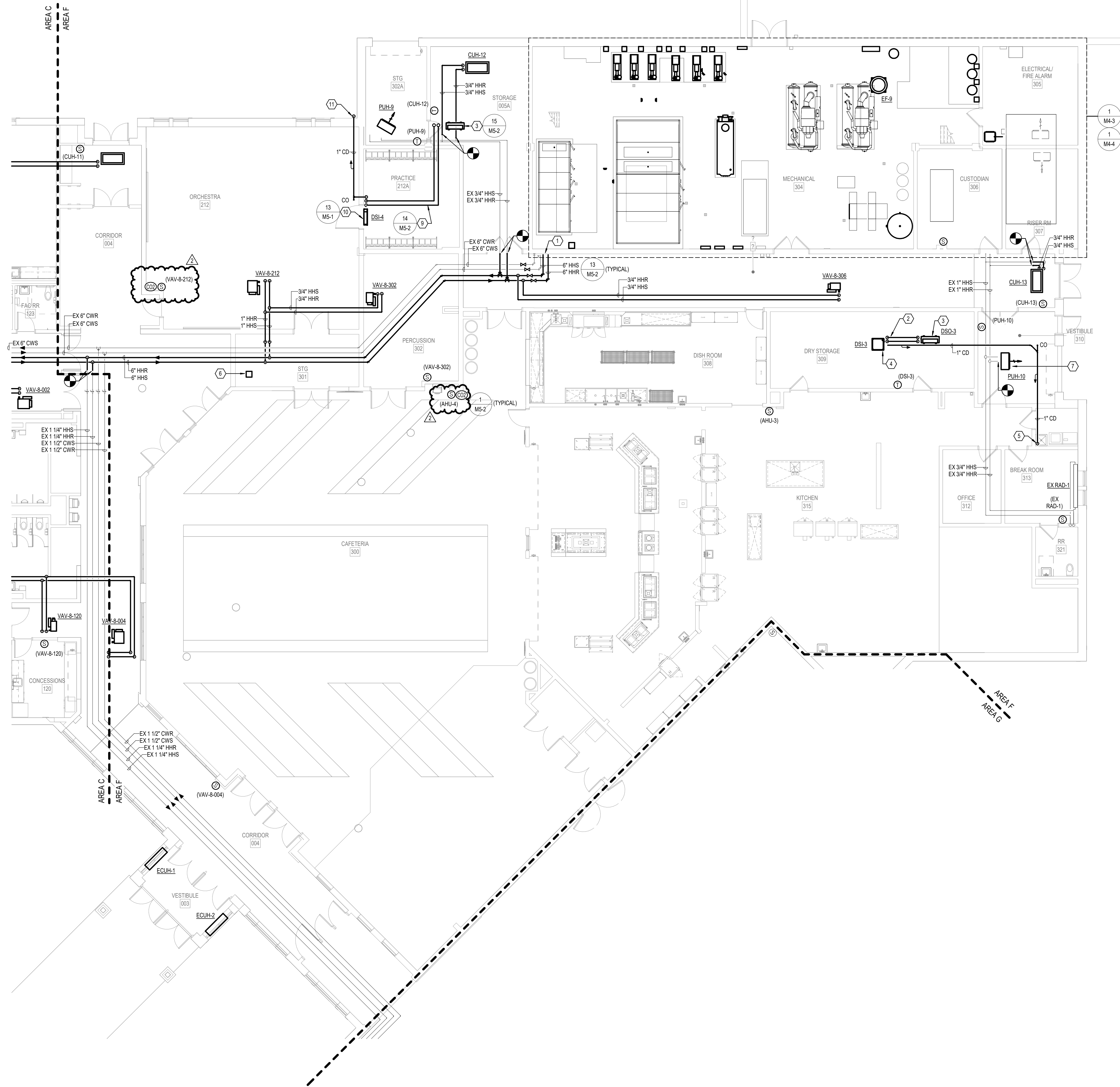


1 FIRST FLOOR MECHANICAL PIPING PLAN - AREA C



18" = 1'-0"





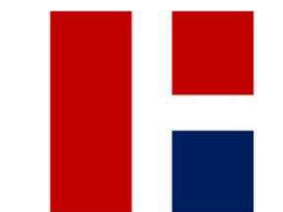
1 FIRST FLOOR MECHANICAL PIPING PLAN - AREA F
1/8" = 1'-0"

GENERAL NOTES

- A REFER TO SHEET M-000 FOR GENERAL MECHANICAL NOTES, SYMBOLS AND ABBREVIATIONS.
- B REFER TO DRAWING M-500 SERIES FOR MECHANICAL DETAILS.
- C REFER TO DRAWING M-600 SERIES FOR MECHANICAL SCHEDULES.
- D ALL PIPING RUNOUTS TO TERMINAL UNITS SHALL BE 3/4" UNLESS NOTED OTHERWISE.

SHEET KEYNOTES

- SEE ENLARGED PLAN ON SHEET M4.3 FOR CONTINUATION OF PIPING.
- REFRIGERANT LINE SET UP TO OUTDOOR UNIT ON ROOF. SIZE AND QUANTITIES PER MANUFACTURERS RECOMMENDATIONS.
- OUTDOOR UNIT FOR DUCTLESS SPLIT LOCATED ON ROOF ABOVE.
- 4-WAY CEILING CASSETT UNIT MOUNTED IN CEILING.
- <varies>
- TYPICAL PROVIDE AS MANY LOW VOLTAGE TRANSFORMERS AS REQUIRED ABOVE CEILING. COORDINATE 120V POWER WITH ELECTRICAL. GENERAL LOCATION SHOWN FOR REFERENCE. LOCATE AS REQUIRED. SEE DETAIL #3 ON SHEET M5.1.
- UNDER ALTERNATE BID, DO NOT INSTALL NEW PUH-10, THERMOSTAT AND NEW PIPING CONNECTIONS.
- MOUNT OUTDOOR DUCTLESS SPLIT CONDENSER ON BUILDING WALL, BOTTOM AT APPROXIMATELY 8'-0" ABOVE GRADE WITH APPROVED WALL BRACKET SUPPORTS PER MANUFACTURERS RECOMMENDATIONS.
- REFRIGERANT LINE SET TO OUTDOOR UNIT. SIZE AND QUANTITIES PER MANUFACTURERS RECOMMENDATIONS.
- WALL MOUNTED SPLIT SYSTEM LOCATED CENTERED ABOVE DOOR AND BELOW CEILING.
- ROUTE 1" CONDENSATE DRAIN LINE AS HIGH AS POSSIBLE IN ROOM. ROUTE DRAIN LINE DOWN WALL AND TERMINATE OUTSIDE BUILDING AT APPROXIMATELY 1'-0" ABOVE GRADE.



REVISIONS

1	01.29.25	ADDENDUM #1
2	02.05.25	ADDENDUM #2

01.06.2025
HAMILTON SOUTHEASTERN SCHOOL CORPORATION
23055 - FALL CREEK INTERMEDIATE RENOVATIONS

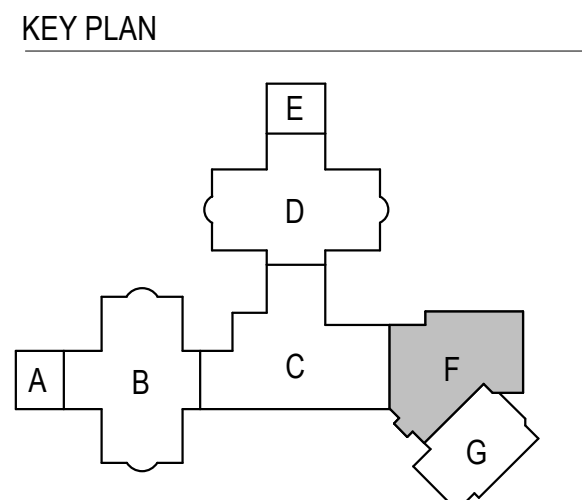
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CONSTRUCTION DOCUMENTS

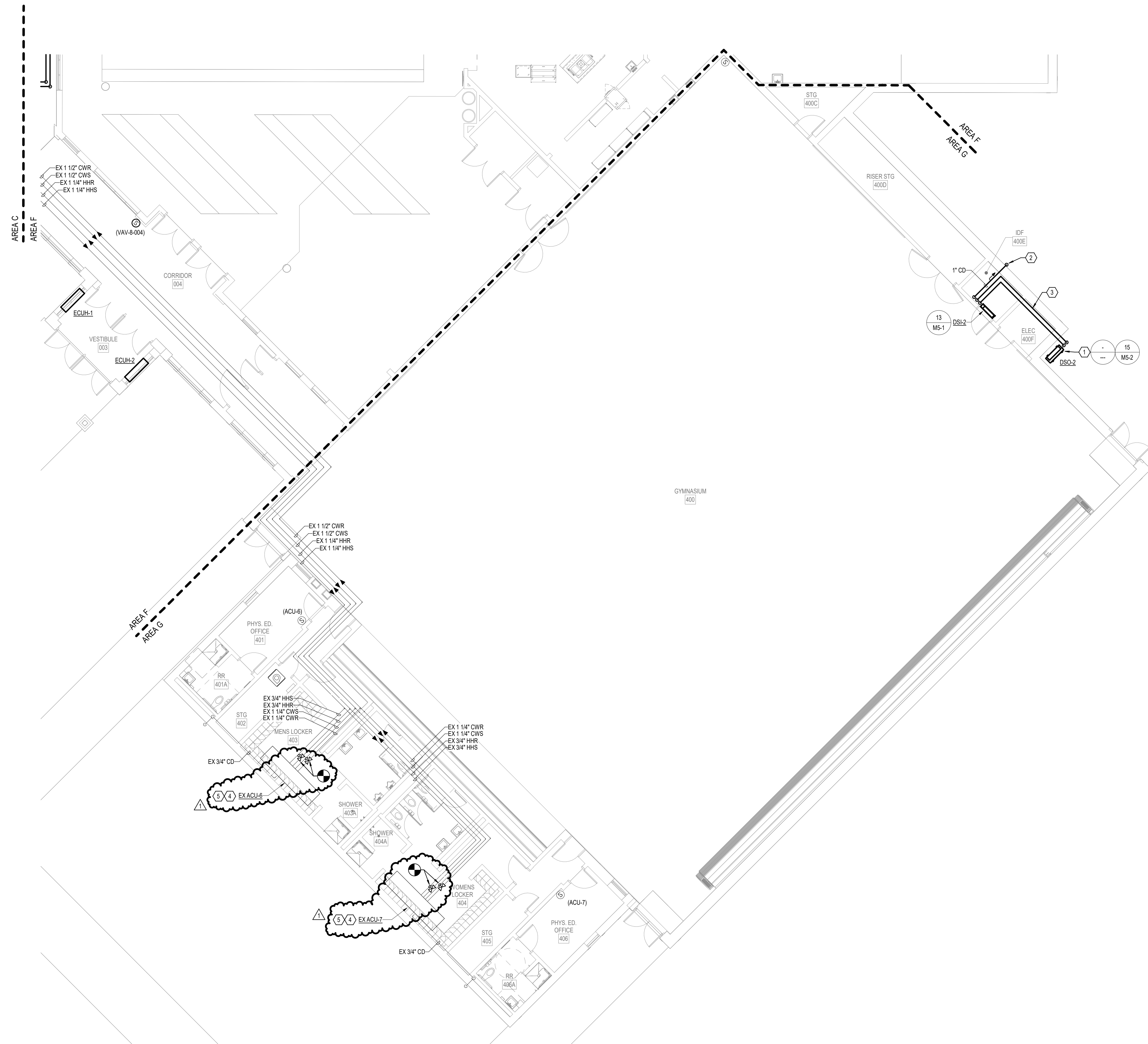


CONSTRUCTION DOCUMENTS
01.06.2025
WNL JOB NO.
23055
DRAWN BY
CME

DRAWING NAME
FIRST FLOOR
MECHANICAL
PIPING PLAN - AREA
F

DRAWING NO.
MP1-5





1 FIRST FLOOR MECHANICAL PIPING PLAN - AREA G
1/8" = 1'-0"

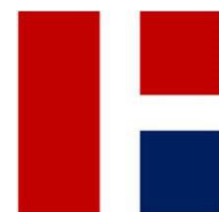
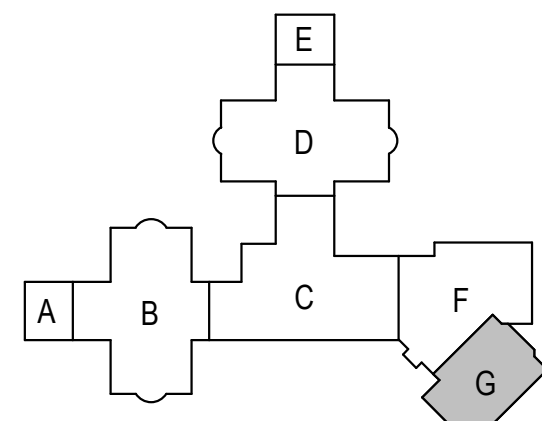
GENERAL NOTES

- A REFER TO SHEET M-000 FOR GENERAL MECHANICAL NOTES, SYMBOLS AND ABBREVIATIONS.
- B REFER TO DRAWING M-500 SERIES FOR MECHANICAL DETAILS.
- C REFER TO DRAWING M-600 SERIES FOR MECHANICAL SCHEDULES.
- D ALL PIPING RUNOUTS TO TERMINAL UNITS SHALL BE 3/4" UNLESS NOTED OTHERWISE.

SHEET KEYNOTES

- 1 OUTDOOR UNIT FOR DUCTLESS SPLIT LOCATED ON WALL BOTTOM OF UNIT AT 10'-0" ABOVE GRADE WITH MANUFACTURER APPROVED WALL BRACKET.
- 2 ROUTE 1" CONDENSATE DRAIN LINE AS HIGH AS POSSIBLE IN ROOM. ROUTE DRAIN LINE DOWN WALL AND TERMINATE OUTSIDE BUILDING AT APPROXIMATELY 1'-0" ABOVE GRADE.
- 3 REFRIGERANT LINE SET TO OUTDOOR UNIT. SIZE AND QUANTITIES PER MANUFACTURERS RECOMMENDATIONS.
- 4 EXISTING AIR HANDLING UNIT SHALL BE REPLACED.
- 5 REPLACE EXISTING AIR HANDLING UNIT CONTROLS WITH NEW CONTROLS, INCLUDING TEMPERATURE CONTROL VALVES.

KEY PLAN



REVISIONS

1	02.05.25	ADDENDUM #2
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23055 - FALL CREEK INTERMEDIATE RENOVATIONS

01.06.2025

HAMILTON SOUTHEASTERN SCHOOL CORPORATION

12011 Olio Rd., Fishers, IN 46037

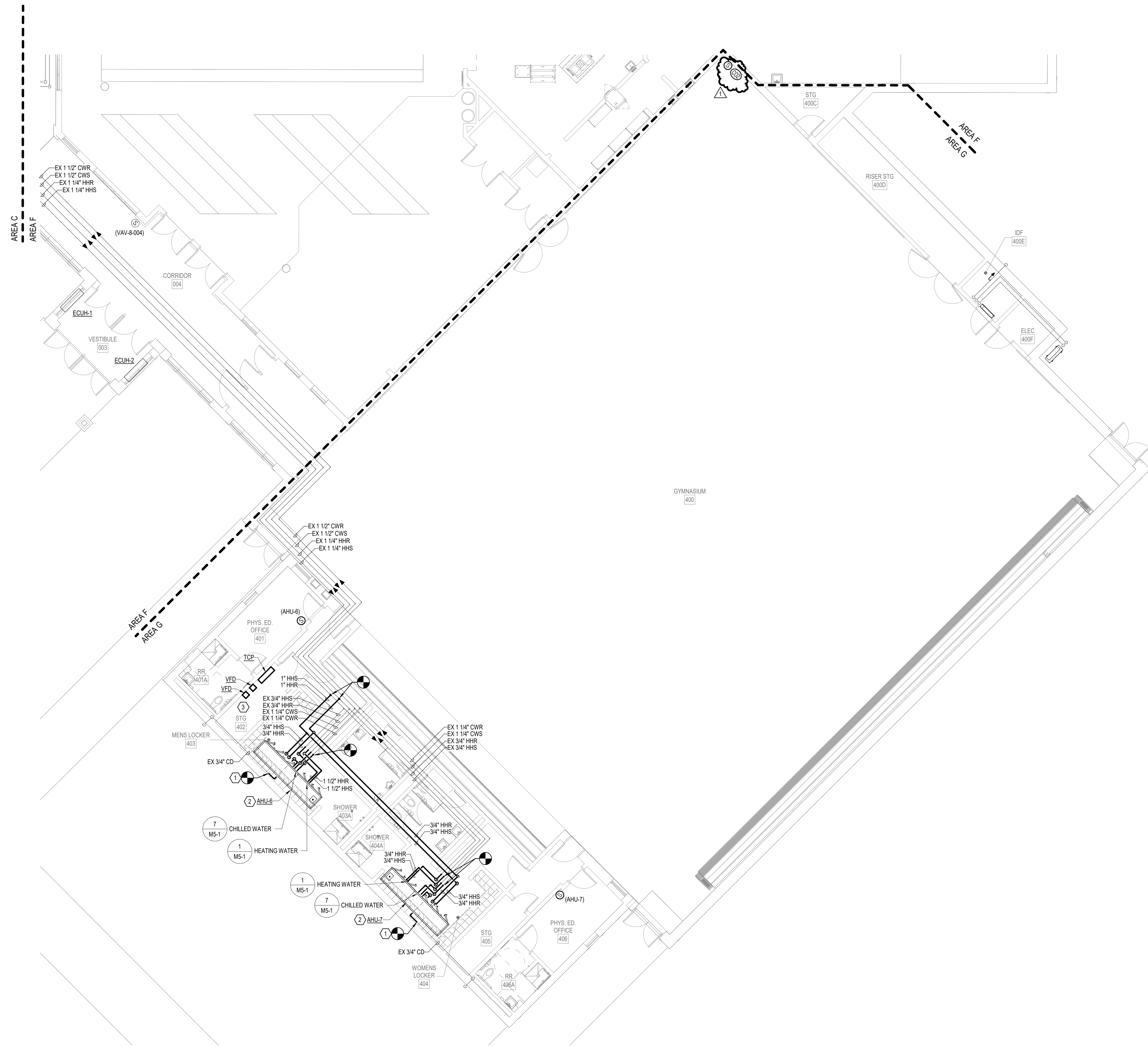
CONSTRUCTION DOCUMENTS



CONSTRUCTION DOCUMENTS
01.06.2025
WML JOB NO.
23055
DRAWN BY
CME

DRAWING NAME
FIRST FLOOR
MECHANICAL
PIPING PLAN - AREA
G

DRAWING NO.
MP1-6



1 FIRST FLOOR MECHANICAL PIPING PLAN - AREA G - ALTERNATE
1/8" = 1'-0"

GENERAL NOTES

- REFER TO SHEET M-000 FOR GENERAL MECHANICAL NOTES, SYMBOLS AND ABBREVIATIONS.
- REFER TO DRAWING M-500 SERIES FOR MECHANICAL DETAILS.
- REFER TO DRAWING M-600 SERIES FOR MECHANICAL SCHEDULES.
- ALL PIPING RUNOUTS TO TERMINAL UNITS SHALL BE 3/4" UNLESS NOTED OTHERWISE.

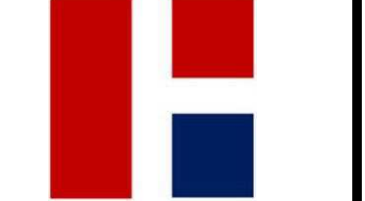
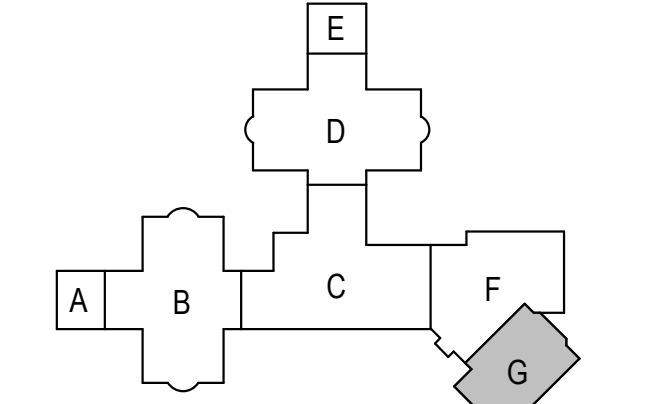
ALTERNATE NOTES

- REFER TO CONSTRUCTION MANAGERS FRONT END BID TAB FOR MORE ALTERNATE INFORMATION.
- ALL OTHER WORK IN THIS AREA IS PART OF THE BASE BID. SEE BASE BID DRAWINGS.

SHEET KEYNOTES

- CONNECT NEW 3/4" CONDENSATE DRAIN FROM AHU TO EXISTING CONDENSATE DRAIN LINE.
- INSTALL NEW AIR HANDLING UNIT ABOVE CEILING ON EXISTING STRUCTURAL SUPPORTS. ADD EXISTING SUPPORTS AS REQUIRED TO ACCOMMODATE NEW UNIT.
- LOCATE NEW AIR HANDLING UNITS VFDs AND TEMPERATURE CONTROL PANEL IN STORAGE ROOM ON WALL.

KEY PLAN



REVISIONS

NO.	DATE	DESCRIPTION
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01.06.2025
HAMILTON SOUTHEASTERN SCHOOL CORPORATION
23055 - FALL CREEK INTERMEDIATE RENOVATIONS
12011 Chic Rd., Fishers, IN 46037
CONSTRUCTION DOCUMENTS



CONSTRUCTION DOCUMENTS
01.06.2025
WJL JOB NO.
23055
DRAWN BY
CME

DRAWING NAME
**FIRST FLOOR
MECHANICAL
PIPING PLAN - AREA
G - ALTERNATE**

DRAWING NO.
MP1-6A

ABBREVIATIONS AND TERMS	
° DIAMETER, PHASE	ID INSIDE DIAMETER
° DEGREES FAHRENHEIT	INVERT ELEVATION
AD COMPRESSED AIR	INT INCHES
AD AREA DRAIN, ACCESS DOOR	INV INVERT
AF ABOVE FINISHED FLOOR	IPS INTERNATIONAL PIPE STANDARD
AGA AMERICAN GAS ASSOCIATION	IRW INDIRECT WASTE
ANSI AMERICAN NATIONAL STANDARDS INSTITUTE	KEC KITCHEN EQUIPMENT CONTRACTOR
AP ACID PROOF, ACCESS PANEL	KW KILOWATT
APPROX. APPROXIMATELY	LAB LABORATORY
ARCH ARCHITECT	LBS POUNDS
ASME AMERICAN SOCIETY OF MECHANICAL ENGINEERS	LF LINEAR FEET
ASPE AMERICAN SOCIETY OF PLUMBING ENGINEERS	LP LIQUID PETROLEUM
ASTM AMERICAN SOCIETY FOR TESTING AND MATERIALS	MAX MAXIMUM
AUTO AUTOMATIC	MB MOP BASIN
AUG AVERAGE	MBH THOUSAND BTU PER HOUR
AVS ACID VENT STACK	MC MECHANICAL CONTRACTOR
AWWA AMERICAN WATER WORKS ASSOCIATION	MCA MINIMUM CIRCUIT AMPS
BF BARRIER FREE	MM MINIMUM
BHJ 1/4" BELOW FINISHED CEILING	MMH MANHOLE
BHP BRAKE HORSEPOWER	MR MINIMUM
BUD BUILDING	MISC MISCELLANEOUS
BOP BOTTOM OF PIPING	NA NOT APPLICABLE
BSMT BASEMENT	NC NORMALLY CLOSED
BT BATHTUB	NEC NATIONAL ELECTRICAL CODE
BTM BOTTOM	NFPA NATIONAL FIRE PROTECTION ASSOCIATION
BTU BRITISH THERMAL UNIT PER HOUR	NOT IN CONTRACT
CA COMPRESSED AIR	NP NORMALLY OPEN, NITROUS OXIDE
CB CATCH BASIN	NOM NON-POTABLE WATER
CD CONDENSATE DRAIN	NTS NOT TO SCALE
CC CARBON DIOXIDE	O OUTSIDE DIAMETER
CFM CUBIC FEET PER MINUTE	OFCI OWNER FURNISHING CONTRACTOR INSTALLED
CI CAST IRON	OSD OPEN SITE DRAIN
CO CORRUGATED METAL PIPE	OW OIL WASTE
CO CLEANOUT	P PUMP
CP CIRCULATION PUMP	PCP PERFORCED CONCRETE PIPE
CPVC CHLORINATED POLYVINYL CHLORIDE	RD ROOF DRAIN
CW COLD WATER	RY ROYALTY
DBP DOMESTIC BOOSTER PUMP	SH SHOWER
DCV DOUBLE CHECK VALVE ASSEMBLY	SK SPECIFICATION
DE DRINKING FOUNTAIN	SS SERVICE SINK, STAINLESS STEEL
DH DRENCH HOSE	STD STANDARD
DI DOWN	T TURRET
DI DOWNPOUT	TD TRENCH DRAIN
DW DISTILLED WATER	TDH TOTAL DYNAMIC HEAD
DWG DRAWING	TEMP TEMPERATURE
DWV DRAIN, WASTE & VENT	TEMP THERMAL EXPANSION MIXING VALVE
E EACH	TP TRAP PRIMER
EA ELECTRICAL CONTRACTOR	TS TAMPER SWITCH
EO EXTERIOR CLEANOUT	TYP TYPICAL
EFF ELEVATION	UL UNLESS OTHERWISE NOTED
EL EMERGENCY SHOWER	UON URINAL
EED EMERGENCY DRENCH	UR URINAL
EWC ELECTRIC WATER COOLER	VS VOLTS, VENT
EV EXISTING	VAC VACUUM
EX FLOOR CLEANOUT	VBC VARIABLE FREQUENCY DRIVE
FD FLOOR DRAIN, FIRE DAMPER	W WASTE, WATT
FE FIRE DEPARTMENT CONNECTION	WB WASHER BURNER
FI FUME HOOD	WC WATER COLUMN, WATER CLOSET
FHC FIRE HOSE CABINET	WCO WALL CLEANOUT
FLR FLOOR	WSB WATER SUPPLY BOX
FM FACTORY MUTUAL	YD YARD DRAIN
FPM FEET PER MINUTE	
FSC FIRE SUPPRESSION CONTRACTOR	
FSC FOOT, FEET	
FTG FOOTING	
GA GAGE OR GAUGE	
GAL GALLON	
GC GENERAL CONTRACTOR	
GPD GALLONS PER DAY	
GPH GALLONS PER HOUR	
GPM GALLONS PER MINUTE	
GRE GREASE	
GW GREASE WASTE	
HB HOSE BIBB	
HD HEAD (FT.)	
HG GROOVES	
HQ MERCURY	
HLS HUBS OUTLET	
HR HORSEPOWER, HEAT PUMP	
HR HOURS	
HW HOT WATER	
HW HOT WATER RETURN	
HX HEAT EXCHANGER	
HY WALL HYDRANT	
HZ HERTZ	

PIPE FITTING REPLACEMENT SCOPE OF WORK

- THE PLUMBING CONTRACTOR SHALL INCLUDE IN HIS BID, ALL MATERIAL AND LABOR TO REPLACE EXISTING GROOVED MECHANICAL FITTINGS WITH NEW PRESS CONNECT FITTINGS FOR PIPE SIZES 2" AND LARGER. PRESS CONNECT FITTINGS TO BE MANUFACTURED BY VEGA.
- 3" AND 4" FITTINGS (ELBOWS, TEES, COUPLINGS)
 - VEGA PRESS FITTINGS (3" AND 4") WILL PRESS DIRECTLY OVER ROLL GROOVES.
- 2" AND 2-1/2" FITTINGS (ELBOWS, TEES, COUPLINGS)
 - REMOVE EXISTING GROOVED FITTING, CUT-OFF GROOVED ENDS, CLEAN ENDS, CLEAN PIPE, INSPECT FOR DAMAGE, INSPECT NEW PRESS CONNECT BALL VALVE, MARK PIPE, MAKE PRESS.
 - AN ADDITIONAL COUPLING WILL BE REQUIRED AT EACH VALVE.
- INCLUDE THE FOLLOWING AMOUNT OF FITTINGS IN THE BASE BID:
 - 2" - ELBOWS: 24, TEES: 12
 - 2-1/2" - ELBOWS: 13, TEES: 6
 - 3" - ELBOWS: 33, TEES: 18
 - 4" - ELBOWS: 16, TEES: 6
 - 6" - ELBOWS: 1, TEES: 0
- INCLUDE AND ALLOWANCE FOR THE COST TO PROVIDE AND INSTALL ELBOWS, TEES, AND COUPLINGS OF EACH SIZE.
- INCLUDE AN ALLOWANCE FOR THE COST TO PROVIDE AND INSTALL NEW DOMESTIC WATER WALL HYDRANTS OF THE SAME TYPE AND MANUFACTURER AS CURRENTLY INSTALLED.

VALVE REPLACEMENT SCOPE OF WORK

- THE PLUMBING CONTRACTOR SHALL INCLUDE IN HIS BID, ALL MATERIAL AND LABOR TO REPLACE EXISTING VALVES (BUTTERFLY AND BALL) WITH NEW PRESS CONNECT BALL VALVES. PRESS CONNECT BALL VALVES TO BE MANUFACTURED BY VEGA.
- 2" THROUGH 4" VALVES
 - REMOVE EXISTING VALVE, CUT-OFF GROOVED ENDS, CLEAN ENDS, CLEAN PIPE, INSPECT FOR DAMAGE, INSPECT NEW PRESS CONNECT BALL VALVE, INSTALL BALL VALVE, MARK PIPE, MAKE PRESS.
 - AN ADDITIONAL COUPLING WILL BE REQUIRED AT EACH VALVE.
- 1/2" THROUGH 1-1/2" VALVES
 - REMOVE EXISTING VALVE, CLEAN ENDS, CLEAN PIPE, INSPECT FOR DAMAGE, INSPECT NEW PRESS CONNECT BALL VALVE, INSTALL BALL VALVE, MARK PIPE, MAKE PRESS.
 - AN ADDITIONAL COUPLING WILL BE REQUIRED AT EACH VALVE.
- INCLUDE THE FOLLOWING AMOUNT OF VALVES IN THE BASE BID:
 - 1/2" - 0
 - 3/4" - 85
 - 1" - 11
 - 1-1/4" - 0
 - 1-1/2" - 9
 - 2" - 12
 - 2-1/2" - 6
 - 3" - 7
 - 4" - 3
- INCLUDE AND ALLOWANCE FOR THE COST TO PROVIDE AND INSTALL VALVES OF EACH SIZE.

PIPING IDENTITY SYMBOLS

	FLOW DIRECTION ARROW, RITCH DIRECTION ARROW
	PIPE RISE
	PIPE DROP
	PIPE CAP
	PIPE CONTINUES (REFERENCE ELSEWHERE)
	PIPE GUIDE
	PIPE ANCHOR
	EXPANSION LOOP
	UNION, FLANGED UNION
	GATE VALVE
	BALL VALVE
	GLOBE VALVE
	BUTTERFLY VALVE
	PLUG VALVE
	CHECK VALVE
	PRESSURE REDUCING VALVE
	REDUCED PRESSURE BACKFLOW PREVENTER
	DOUBLE CHECK BACKFLOW PREVENTER
	DOUBLE DETECTOR CHECK VALVE ASSEMBLY
	ANGLE VALVE
	RELIEF VALVE
	VALVE WITH OUTSIDE STEM & YOKE
	SOLENOID VALVE
	FLOW SWITCH
	PRESSURE SWITCH
	AQUMSTAT
	BALANCE VALVE
	STRAINER
	STRAINER WITH CAPPED BLOWDOWN
	MANUAL AIR VENT
	AUTOMATIC AIR VENT
	VACUUM BREAKER
	TEMPERATURE/PRESSURE TAP
	THERMOMETER
	AIR FILTER/DRYER
	INLINE PUMP
	WATER HAMMER ARRESTER WITH SCHEDULE TYPE
	P-TRAP AND RISER
	FLOOR DRAIN WITH SIZE & SCHEDULE TYPE
	END OF PIPE CLEANOUT
	FLOOR CLEANOUT
	WALL CLEANOUT
	EXTERIOR CLEANOUT OR RODDING HOLE
	HOSE BIBB, WALL HYDRANT WITH SCHEDULE TYPE
	WATER METER
	GAS METER
	ROOF DRAIN, OVERFLOW DRAIN WITH SIZE
	POST INDICATOR VALVE
	FIRE DEPARTMENT CONNECTION
	VALVE TAMPER SWITCH
	UPRIGHT SPRINKLER HEAD
	PENDANT SPRINKLER HEAD
	DRY PENDANT SPRINKLER HEAD
	CONCEALED SPRINKLER HEAD
	SIDEWALL SPRINKLER HEAD

PIPING LINE SYMBOLS

STORM DRAIN	ST
CONDENSATE DRAIN	CD
SANITARY WASTE (W)	W
GREASE WASTE	GW
SANITARY FORCED MAIN	FM
SANITARY VENT (V)	V
ACID WASTE	AW
ACID VENT	AV
DRAIN	D
INDIRECT WASTE	IW
PUMP DISCHARGE	PD
DOMESTIC COLD WATER (CW)	CW
DOMESTIC HOT WATER SUPPLY (HW)	HW
DOMESTIC HOT WATER RETURN (HWR)	HWR
140°F HOT WATER	140°F
140°F HOT WATER RETURN	140°F
NON-POTABLE WATER	NPW
CONDITIONED SOFT WATER	CSW
CHLORINATED WATER	CL
DISTILLED WATER	DI
DEIONIZED WATER	DI
FIRE SUPPRESSION	F
NATURAL GAS (WC OR PSIG)	G
GAS VENT	GV
LIQUID PETROLEUM	LP
MEDICAL COMPRESSED AIR (WC OR PSIG)	MA
MEDICAL VACUUM	MV
OXYGEN	O
NITROGEN	N
NITROUS OXIDE	NO
CARBON DIOXIDE	CO2
WET VACUUM CLEANING	WVC
DRY VACUUM CLEANING	DVC
COMPRESSED AIR (WC OR PSIG)	A
TEMPERED WATER SUPPLY	TW
RADON	R
OIL WASTE	OW

LINETYPE DESIGNATORS

---	THIN CONTINUOUS LINETYPE INDICATE EXISTING ITEMS TO REMAIN.
----	INTERMEDIATE DASHED LINETYPE INDICATE EXISTING ITEMS TO BE REMOVED.
----	INTERMEDIATE OR WIDE CONTINUOUS LINETYPE INDICATE NEW ITEMS.
----	THIN HALFTONE LINETYPE INDICATE ITEMS BY OTHER DISCIPLINE.
⚡	INDICATES POINT OF NEW CONNECTION TO EXISTING EQUIPMENT, PIPING OR MATERIALS.
⚡	INDICATES POINT OF DISCONNECTION TO EXISTING EQUIPMENT, PIPING OR MATERIALS.

PLUMBING NOTES

- ALL WORK ON THE PLUMBING DRAWINGS IS NEW AND BY THIS CONTRACTOR UNLESS OTHERWISE INDICATED.
- THE PLUMBING CONTRACTOR SHALL INCLUDE IN HIS BID ALLOWANCES, FEES, AND COSTS TO COMPLETE THIS PROJECT.
- THE PLUMBING CONTRACTOR SHALL FURNISH ALL REQUIRED LABOR AND PROVIDE ALL MATERIAL, EQUIPMENT INCLUDING ALL CONTRACTOR'S SERVICES NECESSARY TO COMPLETE INSTALLATION OF THE REQUIRED SYSTEMS IN FULL CONFORMITY WITH APPLICABLE CODES AND ORDINANCES. THE FINISHED INSTALLATION SHALL BE FUNCTIONAL AND COMPLETE IN EVERY DETAIL INCLUDING ANY AND ALL SUCH ITEMS FOR COMPLETE AND OPERATIONAL SYSTEM.
- ALL PLUMBING SYSTEMS TO BE INSTALLED TO MEET THE REQUIREMENTS OF THE INDIANA PLUMBING CODE (2008 INTERNATIONAL PLUMBING CODE WITH THE LATEST INDIANA AMENDMENTS).
- ALL SOIL, WASTE, VENT, AND STORM PIPING SHALL BE INSTALLED AT THE FOLLOWING MINIMUM SLOPE 1/8" (1%) PER FOOT GRADE FOR PIPE SIZES 2" AND LARGER, 1/4" (2%) PER FOOT GRADE FOR PIPE SIZES 2 1/2" AND SMALLER.
- CUTTING AND PATCHING, AND CORE DRILLING FOR PLUMBING WORK SHALL BE THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR.
- PIPING AND/OR EQUIPMENT SHALL NOT BE SUPPORTED FROM STRUCTURAL MEMBERS WITHOUT PRIOR REVIEW AND APPROVAL FROM THE STRUCTURAL ENGINEER.
- ALL DOMESTIC WATER PIPING SHALL BE INSULATED. REFER TO INSULATION SCHEDULE IN SPECIFICATIONS.
- ALL PLUMBING FIXTURES AND EQUIPMENT SHALL CONFORM TO ALL APPLICABLE ENERGY CONSERVATION CODES.
- ALL PIPING, VALVES, AND ACCESSORIES SERVING EQUIPMENT SHALL CONFORM TO ALL APPLICABLE ENERGY CONSERVATION CODES.
- ANCILLARY SYSTEMS NOT ASSOCIATED WITH EQUIPMENT SHALL NOT BE INSTALLED SO AS TO INHIBIT SERVING AND/OR REMOVAL OF SAID EQUIPMENT.
- STERILIZE DOMESTIC WATER PIPING SYSTEM IN ACCORDANCE WITH STATE AND LOCAL CODES, AND BASE BUILDING SPECIFICATIONS.
- PRIOR TO THE INSTALLATION, FABRICATION, REMOVAL, OR RELOCATION OF ANY WORK, THE CONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH THE ACTUAL CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED AND SHALL FULLY COORDINATE ALL WORK WITH THE ARCHITECTURAL PLANS.
- BUILDING STRUCTURE, AND WORK OF ALL OTHER TRADES, CONTRACTOR SHALL VERIFY EXISTING INVERTS PRIOR TO CONSTRUCTION.
- FOUNDATION AND FOOTINGS SHALL NOT BE DISTURBED WITHOUT OBTAINING PERMISSION FROM THE ARCHITECT AND/OR STRUCTURAL ENGINEER. PROPER UNDERPINNING METHODS SHALL BE USED TO PROTECT AFFECTED FOUNDATION COMPONENTS.
- PROVIDE PIPE ESCUTCHEONS AT EXPOSED PIPE PENETRATIONS AT ALL FINISHED WALLS AND CEILINGS.
- PROVIDE SLEEVES FOR ALL PIPING THAT PENETRATES FULL HEIGHT WALLS. PROVIDE A CHECK VALVE ON HOT AND COLD WATER BRANCH LINES SERVING ALL MOP SINKS.
- PROVIDE WATER HAMMER ARRESTERS PRIOR TO QUICK-CLOSING VALVES (i.e. ELECTRIC, PNEUMATIC, SPRING LOADED VALVES OR DEVICES, QUICK HAND CLOSURE VALVES OR FIXTURE TRIM). SEE ARRESTERS PER SCHEDULE ON DRAWINGS AND PDHWH 201 CERTIFIED STANDARD.
- INSULATE ALL PLASTIC PIPING IN RETURN AIR PLenums TO MAINTAIN 2650 FIRE SMOKE RATING AND AS DIRECTED IN SPECIFICATIONS. INSULATION MATERIAL SHALL BE 1/2" CLOSED CELL ELASTOMERIC, UNLESS OTHERWISE INDICATED IN PART 1 OF SPECIFICATION SECTION 22070.
- COORDINATE VENT PENETRATIONS WITH MECHANICAL ROOF TOP EQUIPMENT. REFER TO "H" SERIES DRAWINGS. OFFSET VENTS AS REQUIRED TO MAINTAIN MINIMUM 12" SEPARATION FROM AIR INTAKES.
- PROVIDE "LEAD-FREE," "NO-LEAD," AND/OR "LOW-LEAD" PLUMBING FITTINGS COMPLIANT WITH THE FEDERAL LAW IN EFFECT ON JANUARY 4, 2014. MAXIMUM 0.25% LEAD CONTENT.
- TELECOMMUNICATIONS ROOMS, (MDF AND IDF) DO NOT ROUTE ANY SYSTEMS OVER EQUIPMENT OR ELECTRICAL COMPONENTS. DO NOT HINDER SERVICE ACCESS.
- ELECTRICAL EQUIPMENT ROOMS, DO NOT ROUTE ANY SYSTEMS OVER ELECTRICAL EQUIPMENT OR ELECTRICAL COMPONENTS. DO NOT HINDER SERVICE ACCESS.
- DO NOT ROUTE ANY SYSTEMS ABOVE ELECTRICAL EQUIPMENT OR ELECTRICAL COMPONENTS.

NOTATION DESIGNATORS

GENERAL NOTES:	NOTES THAT APPLY EQUALLY TO ALL DISCIPLINES
GENERAL PLUMBING NOTES:	NOTES THAT APPLY EQUALLY TO ALL SHEETS WITHIN THE DISCIPLINE.
GENERAL SHEET	NOTES THAT APPLY ONLY TO THE SPECIFIC SHEET
SHEET KEYNOTES:	NOTES THAT APPLY ONLY TO THE SPECIFIC SHEET ON WHICH THEY APPEAR.
	NOTES THAT APPLY ONLY TO THE SPECIFIC SHEET ON WHICH THEY APPEAR AND USE A KEYNOTE INDICATOR TO IDENTIFY ITEMS.

GENERAL NOTES

- ALL WORK SHALL BE IN ACCORDANCE WITH THE BEST QUALITY STANDARDS OF THE TRADE, AND SHALL CONFORM WITH ALL FEDERAL, STATE, AND LOCAL CODES AND STANDARDS. THE SAME ARE MADE A PART OF THESE CONTRACT DOCUMENTS AS IF REPEATED HEREIN.
- CONTRACT DOCUMENTS CONSIST OF BOTH THE PROJECT MANUAL AND DRAWINGS, AND BOTH ARE INTENDED TO BE COMPLEMENTARY. ANYTHING APPEARING ON EITHER MUST BE EXECUTED THE SAME AS IF SHOWN ON BOTH.
- THE CONTRACTOR SHALL INCLUDE IN BID PROPOSAL ALL COSTS REQUIRED TO COMPLETELY AND PROPERLY INSTALL ALL WORK REQUIRED FOR THE PROJECT, AND SHALL EXAMINE THE SCOPE OF WORK OF OTHER TRADES PRIOR TO SUBMITTING A BID PROPOSAL.
- CONSTRUCTION DOCUMENTS SHALL BE FOLLOWED AS CLOSELY AS POSSIBLE. HOWEVER, SYSTEMS HAVE BEEN SHOWN DIAGRAMMATICALLY AND IN SOME CASES, ENLARGED FOR CLARITY. ANY OFFSETS, ADDITIONAL FITTINGS, AND/OR APPURTENANCES REQUIRED TO PROVIDE A COMPLETE AND COORDINATED SYSTEM SHALL BE BORNE BY THE CONTRACTOR.
- THE ENGINEERING DRAWINGS ARE OF EQUAL IMPORTANCE WITH THE ARCHITECTURAL DRAWINGS IN DEFINING THE WORK OF THE CONTRACT DOCUMENTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK WITH THE ARCHITECTURAL DRAWINGS BEFORE THE INSTALLATION OF ENGINEERING WORK. SHOULD THERE BE A DISCREPANCY BETWEEN THE ARCHITECTURAL DRAWINGS AND THE ENGINEERING DRAWINGS THAT WOULD CAUSE AN UNKOWN OR IMPROPER INSTALLATION, THE DISCREPANCY SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION FOR CLARIFICATION PRIOR TO INSTALLATION OF SAID WORK. ANY WORK INSTALLED IN CONFLICT WITH THE ARCHITECTURAL DRAWINGS SHALL BE CORRECTED BY THE CONTRACTOR AT HIS EXPENSE AND AT NO ADDITIONAL COST TO THE OWNER OR ARCHITECT'S ATTENTION.
- DO NOT SCALE THE DRAWINGS. THE DRAWINGS ARE NOT NECESSARILY TO SCALE. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE JOB SITE PRIOR TO THE START OF CONSTRUCTION.
- DETAILS NOT SHOWN ARE SIMILAR IN CHARACTER TO THOSE SHOWN, WHERE SPECIFIC DIMENSIONS, DETAILS OR DESIGN INTENT CANNOT BE DETERMINED, CONSULT THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK.
- ANY DETAILS, SYSTEMS AND/OR MATERIALS WHICH ARE PROPOSED TO BE CHANGED MUST FIRST BE REVIEWED BY THE OWNER AND THE ARCHITECT/ENGINEER PRIOR TO THE PREPARATION OF SHOP DRAWINGS.
- ALL CONFLICTS, WHICH MAY PREVENT THE COMPLETION OF WORK AS INTENDED, SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION. THE CONTRACTOR SHALL NOT PROCEED WITH ANY RELATED WORK UNTIL ALL CONFLICTS ARE RESOLVED AND THE CLARIFYING INFORMATION IS ISSUED TO THE CONTRACTOR BY THE ARCHITECT.
- PROVIDE NFA APPROVED FIRE STOPPING WHERE PIPES PENETRATE FIRE RATED FLOORS AND WALLS.
- FIELD VERIFICATION: CONTRACTOR SHALL INSPECT AND VERIFY ALL EXISTING FIELD CONDITIONS, CLEARANCES AND DIMENSIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF EXISTING CONDITIONS. SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT ARCHITECT/ENGINEER BEFORE PROCEEDING.
- CONTRACTOR SHALL LOCATE EXISTING STORM, WASTE, AND VENT PIPING UNDER SLAB PRIOR TO CUTTING CONCRETE FLOOR SLAB.

FIRE PROTECTION NOTES

- ALL FIRE PROTECTION WORK ON THE DRAWINGS IS NEW AND BY THIS CONTRACTOR UNLESS OTHERWISE INDICATED.
- THE FIRE PROTECTION CONTRACTOR SHALL FURNISH ALL REQUIRED LABOR AND PROVIDE ALL MATERIAL, EQUIPMENT INCLUDING ALL CONTRACTOR'S SERVICES NECESSARY TO COMPLETE THE INSTALLATION OF THE REQUIRED SYSTEMS IN FULL CONFORMITY WITH APPLICABLE CODES AND ORDINANCES. THE FINISHED INSTALLATION SHALL BE FUNCTIONAL AND COMPLETE IN EVERY DETAIL INCLUDING ANY AND ALL SUCH ITEMS FOR COMPLETE AND OPERATIONAL SYSTEMS.
- FIRE PROTECTION SYSTEM FOR BUILDING SHALL BE DESIGNED FOR LIGHT HAZARD, 0.10 GPM PER SQUARE FOOT OVER 1500 SQUARE FEET. MECHANICAL, STORAGE AND LAB AREAS SHALL BE DESIGNED FOR ORDINARY HAZARD, 0.15 GPM PER SQUARE FOOT OVER 1500 SQUARE FEET.
- SPRINKLER SYSTEM SHALL BE HYDRAULICALLY CALCULATED, FULLY SUPERVISED AND INSTALLED ACCORDING TO NFPA 13.
- THE FIRE PROTECTION CONTRACTOR SHALL OBTAIN FLOW TEST DATA BY MEANS OF A FLOW TEST PRIOR TO DESIGN HYDRAULIC CALCULATION OF SPRINKLER SYSTEM.
- CUTTING AND PATCHING, AND CORE DRILLING FOR FIRE PROTECTION WORK SHALL BE THE RESPONSIBILITY OF THE FIRE PROTECTION CONTRACTOR.
- THE FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL COORDINATION LAYOUT, CODE COMPLIANCE AND DESIGN.
- PROVIDE UPRIGHT HEADS IN UNFINISHED SPACES (I.E. THOSE WITH EXPOSED STRUCTURE), RECESSED PENDENT HEADS IN FINISHED SPACES (I.E. THOSE WITH LAY-IN OR HARD CEILINGS), SIDEWALL HEADS WHERE IMPRACTICAL TO INSTALL PENDENT OR UPRIGHT TYPE, OR AS INDICATED OTHERWISE ON THE DRAWINGS.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR COORDINATION OF CEILING MOUNTED ITEMS.
- FIRE PROTECTION CONTRACTOR IS RESPONSIBLE TO ATTEND ALL BUILDING WALKTHRU'S (AFTER BUILDING IS OCCUPIED AND PRIOR TO THE END OF THE 1 YEAR WARRANTY PERIOD) BY THE BUILDING FIRE MARSHAL AND IS RESPONSIBLE FOR MAKING ANY MODIFICATIONS TO THE SYSTEM REQUIRED AS A RESULT OF THIS BUILDING INSPECTION.
- ELECTRICAL EQUIPMENT ROOMS, DO NOT ROUTE ANY SYSTEMS OVER ELECTRICAL EQUIPMENT OR ELECTRICAL COMPONENTS. DO NOT HINDER SERVICE ACCESS.
- DO NOT ROUTE ANY SYSTEMS ABOVE ELECTRICAL EQUIPMENT OR ELECTRICAL COMPONENTS.
- INSTALL SPRINKLER HEADS IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. HEADS SHALL BE INSTALLED TO SATISFY ALL CODE REQUIREMENTS FOR HEAD SPACING.
- CENTER SPRINKLER HEADS IN GRID OR LAY-IN CEILINGS IN BOTH DIRECTIONS.
- COORDINATE LOCATIONS OF SPRINKLER HEADS WITH CEILING GRID, DIFFUSERS, LIGHT FIXTURES, AND OTHER OBSTRUCTIONS. PROVIDE ADDITIONAL SPRINKLER HEADS WHICH MAY BE REQUIRED FOR THE COORDINATED CEILING PATTERN AND/OR CENTERING, EVEN THOUGH IT MAY EXCEED THE MINIMUM CODE REQUIREMENTS. SHOW ACTUAL SPRINKLER HEAD LOCATIONS IN THE SUBMITTAL AND CLOSEOUT SUBMITTAL.
- PROVIDE SPRINKLER HEAD GUARDS ON ALL HEADS WHERE THEY MAY BE EXPOSED OR SUBJECT TO DAMAGE.
- PROTECT FINISHES AGAINST SCRATCHES, DENTS AND DISCOLORATION. DEFECTIVE ITEMS WILL NOT BE ACCEPTED.
- ONLY NEW SPRINKLERS SHALL BE INSTALLED. WHEN SPRINKLER HEAD HAS BEEN REMOVED FROM THE PIPING FOR ANY REASON, IT SHALL NOT BE REINSTALLED. INSTALL A NEW SPRINKLER HEAD THAT MATCHES THE SPECIFICATIONS OF THEIR SPRINKLER HEADS IN THE SAME COMPARTMENT.
- PROVIDE ORDINARY TEMPERATURE SPRINKLER HEADS, EXCEPT WHERE HIGHER TEMPERATURE HEADS ARE REQUIRED. SPRINKLER HEADS SHALL BE COLOR CODED.
- SPRINKLER HEADS LOCATED IN ELECTRICAL SWITCHGEAR ROOMS SHALL BE 212 DEG. F.

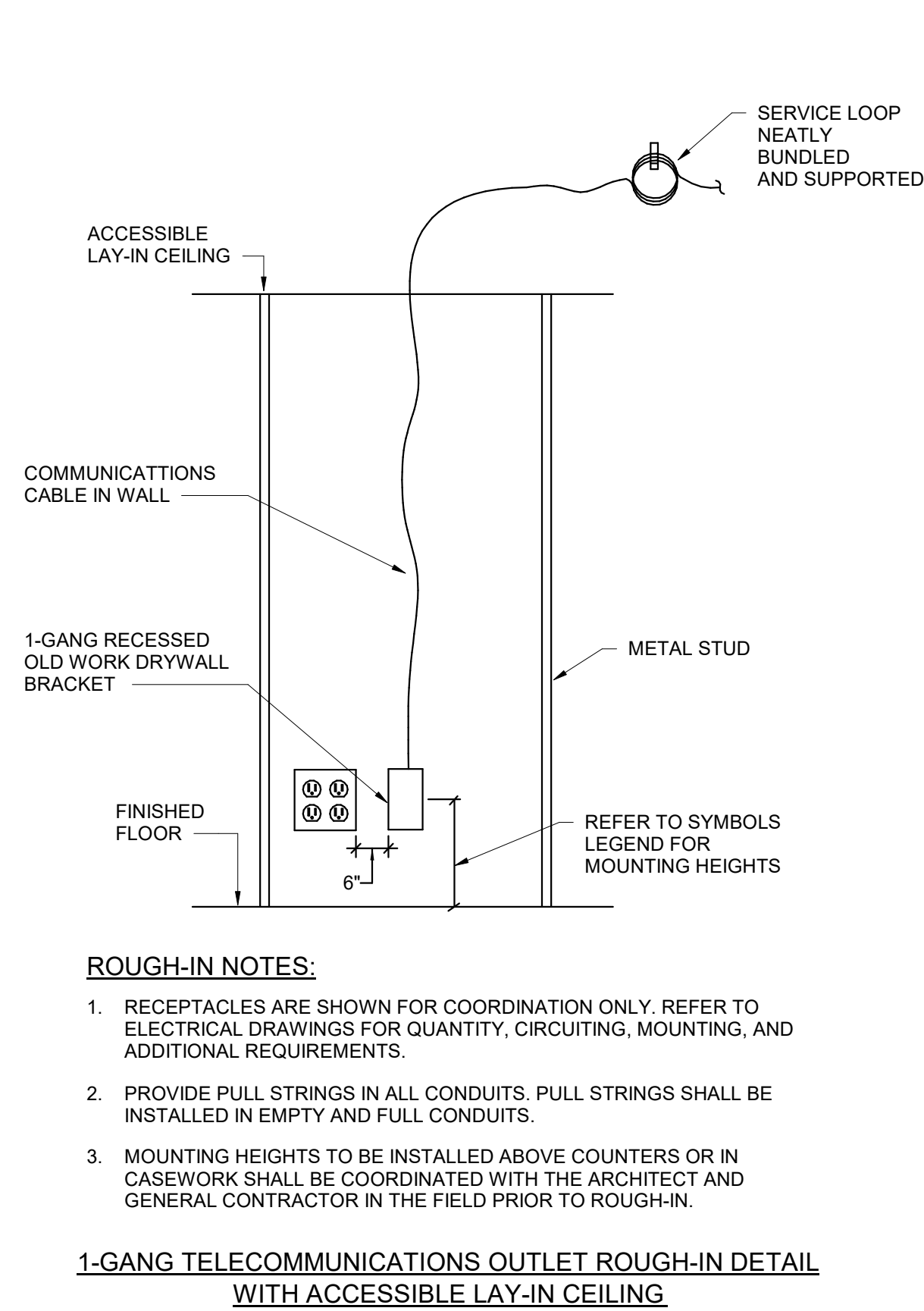
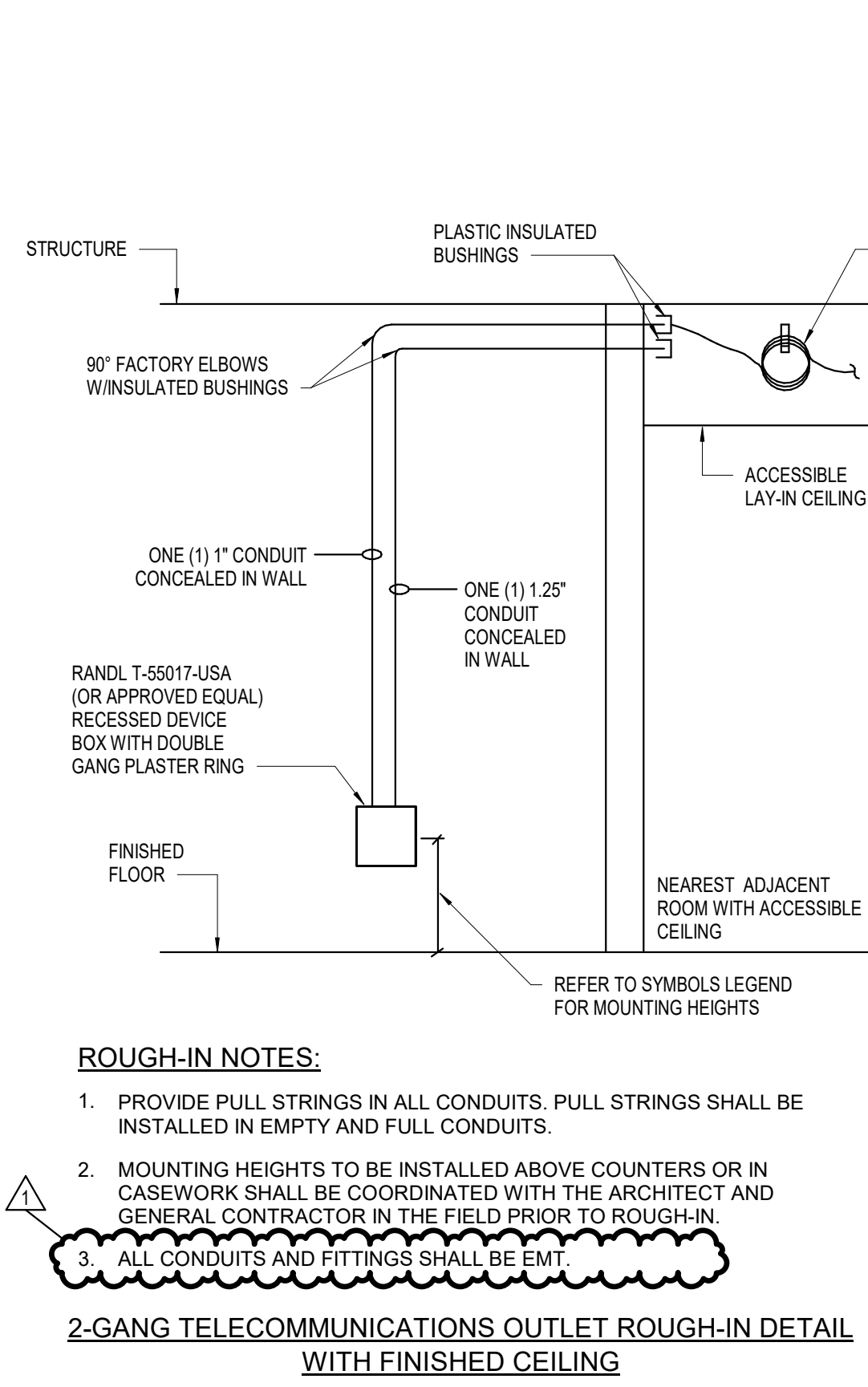
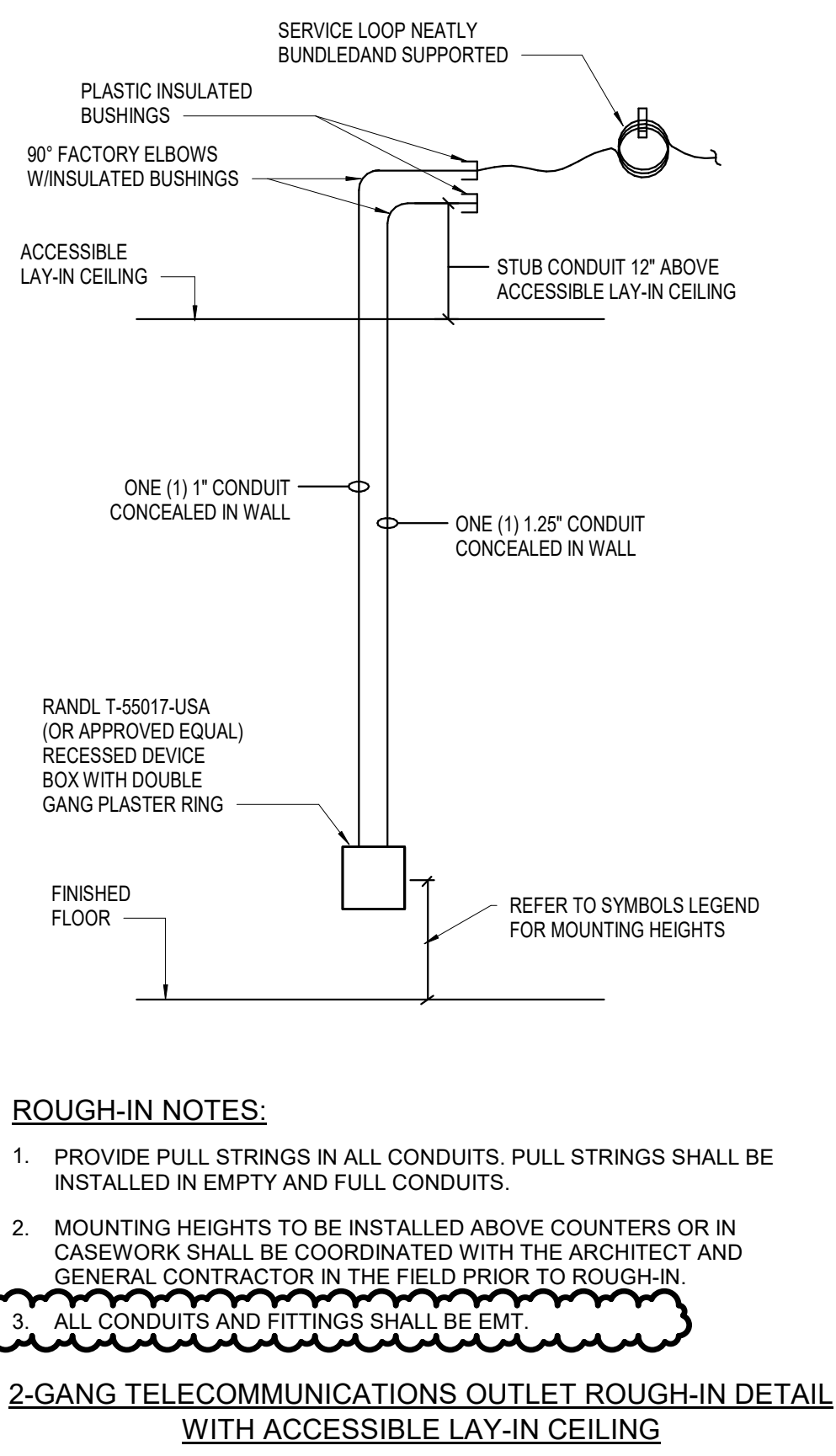
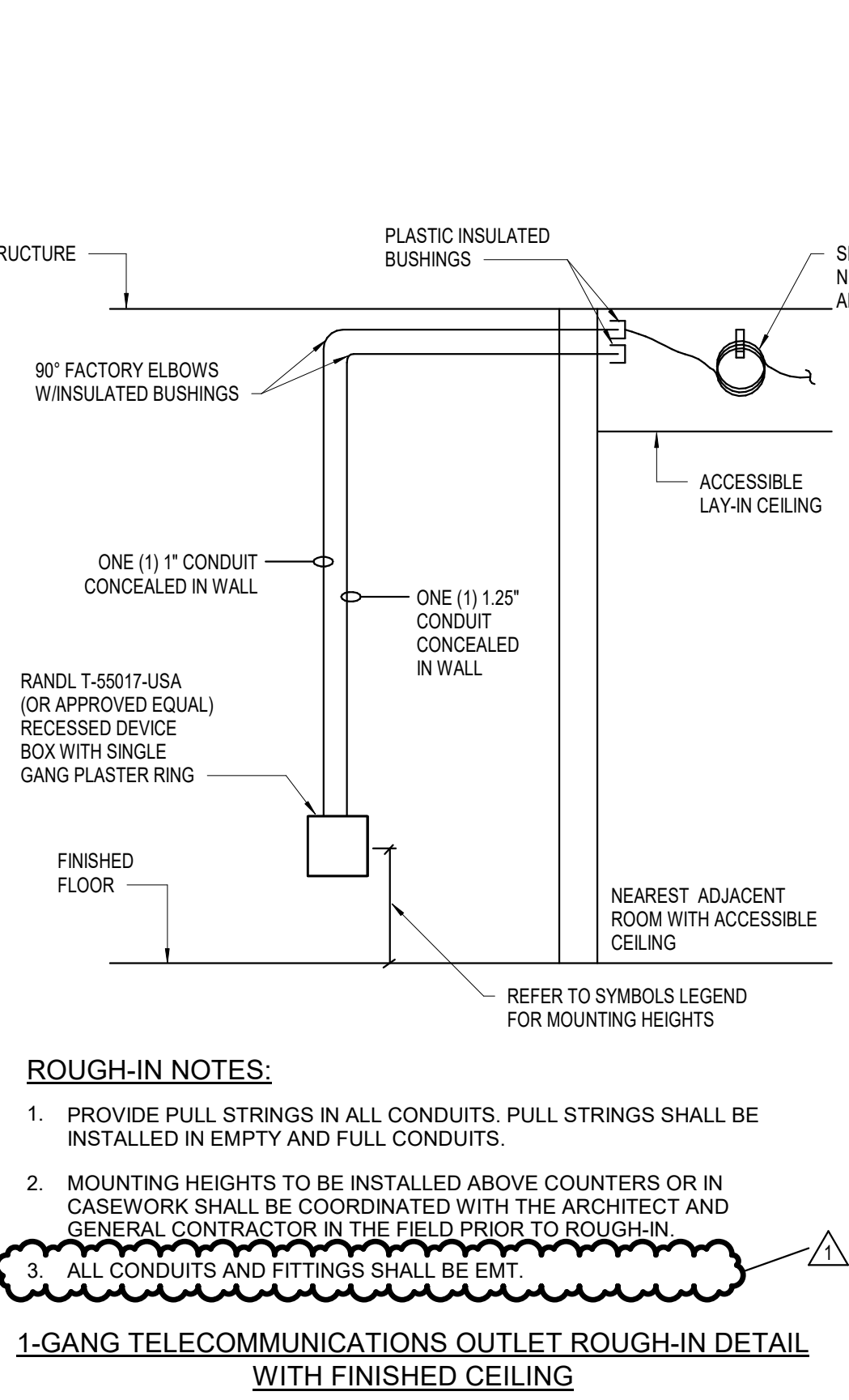
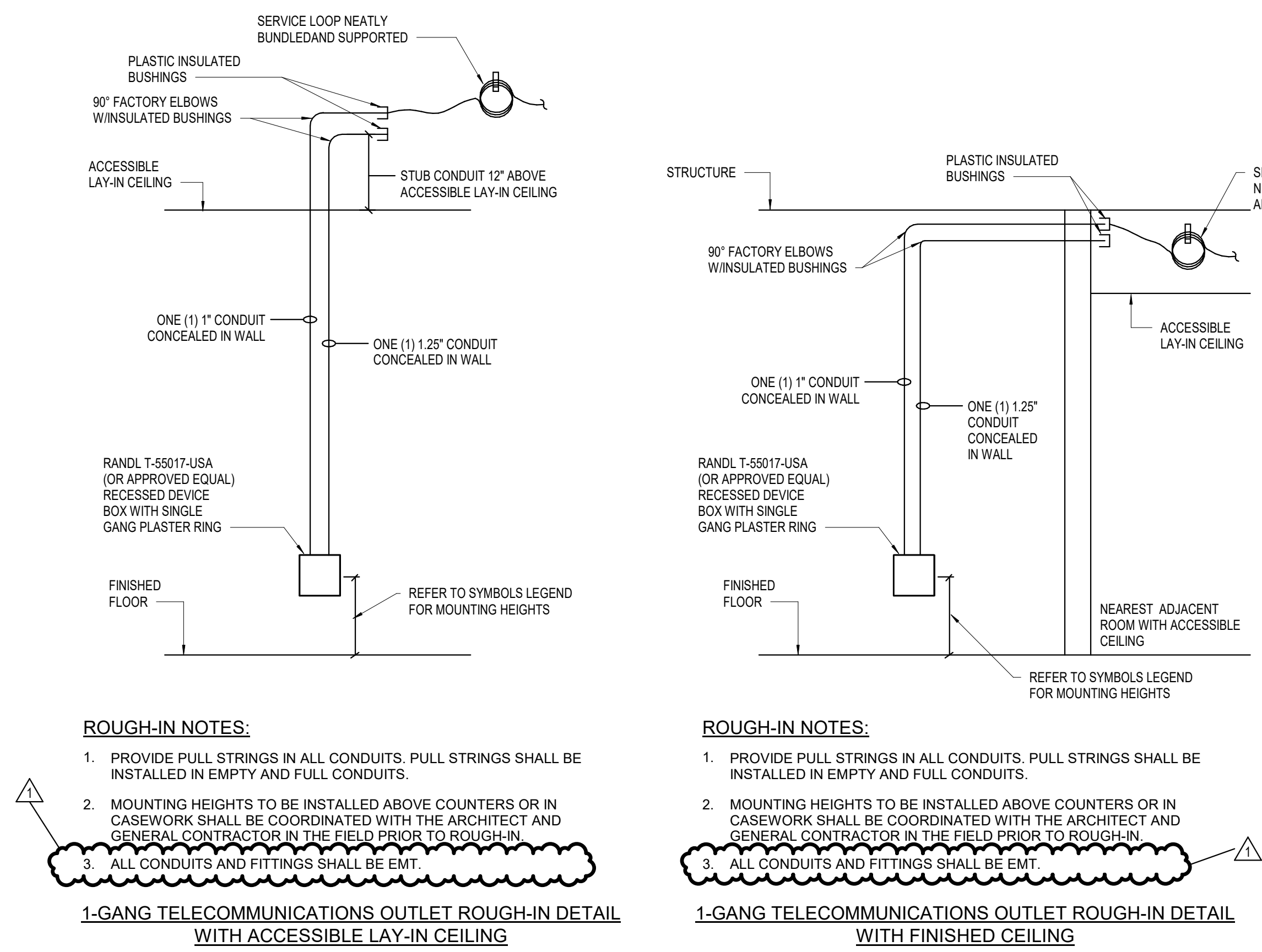
DEMOLITION NOTES

- CONTRACTOR SHALL COORDINATE WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION.
- CONTRACTOR SHALL COORDINATE SHUT DOWN OF ANY PLUMBING SYSTEM WITH THE OWNER AND ANY AUTHORITY HAVING JURISDICTION.
- CONTRACTOR SHALL PROVIDE TEMPORARY CAPS FOR ALL SERVICES AS REQUIRED SO EXISTING SYSTEMS WILL REMAIN OPERATIONAL.
- CONTRACTORS SHALL PROTECT ALL EXISTING OWNER FACILITIES DURING CONSTRUCTION. ANY FACILITIES DAMAGED OR DISCONNECTED BY CONTRACTOR OPERATIONS SHALL BE FULLY RESTORED TO PREVIOUS OPERATING AND APPEARANCE CONDITION.
- CONTRACTOR SHALL REPAIR OR REPLACE PIPE INSULATION DAMAGED DURING DEMOLITION OR RENOVATION WORK TO MATCH ORIGINAL CONDITION.
- CONTRACTOR SHALL COORDINATE WITH APPROPRIATE TRADE TO CUT AND PATCH FINISHED AREAS AS REQUIRED, UNLESS OTHERWISE NOTED ON DOCUMENTS.
- CONTRACTOR SHALL REMOVE AND REPLACE CEILINGS, LIGHT FIXTURES, ETC. IN EXISTING BUILDING AS REQUIRED TO PERFORM DEMOLITION AND RENOVATION WORK. AFTER WORK IS COMPLETE, DAMAGED ITEMS SHALL BE REPAIRED TO ORIGINAL CONDITION OR REPLACED.
- CONTRACTOR SHALL REMOVE ALL PIPING, VALVES, ETC. MADE OBSOLETE AS A RESULT OF NEW CONSTRUCTION AND/OR RENOVATION.
- CONTRACTOR SHALL THOROUGHLY REVIEW ALL DRAWINGS PRIOR TO ANY DEMOLITION WORK. ANY DEVICES REMOVED ACCIDENTALLY WILL BE REPLACED AT NO ADDITIONAL COST TO OWNER.
- DISPOSAL OF DEMOLISHED MATERIALS SHALL COMPLY WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

REFERENCE SYMBOLS

SECTION INDICATOR:	REFERENCE SECTION LOCATION THROUGH AN AREA FOR ADDITIONAL INFORMATION.	KEYNOTE INDICATOR:	REFERENCE SHEET KEYNOTE LOCATION FOR ADDITIONAL INFORMATION.
	SECTION LOCATION IN DRAWING MODULE		KEYNOTE INDICATORS NUMERIC CHARACTER RELATES TO ITEM
	SECTION LOCATION AT SUBSET SHEET		DRAWING BLOCK TITLE (IDENTIFYING LOWER LEFT OF MULTIPLE MODULES)
	REFERENCE DETAIL LOCATION FOR ADDITIONAL INFORMATION.		REVISION INDICATOR
	REFERENCE SHEET LOCATION FOR ADDITIONAL INFORMATION.		REVISION CLOUD
	REFERENCE SCHEDULE LOCATION FOR ADDITIONAL INFORMATION.		
	NUMERIC CHARACTER RELATES TO ITEM		
	ALPHANUMERIC CHARACTER RELATES TO BUILDING LEVEL (OPTIONAL)		
	ALPHANUMERIC CHARACTER RELATES TO ASSOCIATED AIR HANDLER (OPTIONAL)		
	EQUIPMENT TYPE		

NOT ALL NOTES, DESIGNATORS, SYMBOLS OR ABBREVIATIONS MAY APPLY TO THIS PROJECT



SINGLE GANG ROUGH-INS SHALL BE INSTALLED FOR TELECOMMUNICATIONS OUTLETS WITH FOUR (4) DATA CABLES OR LESS AND AT LOCATIONS INDICATED IN DRAWINGS UNLESS NOTED OTHERWISE

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NEW WALL CONSTRUCTION 1-GANG DATA/VIDEO

1 ROUGH-IN DETAILS

NOT TO SCALE

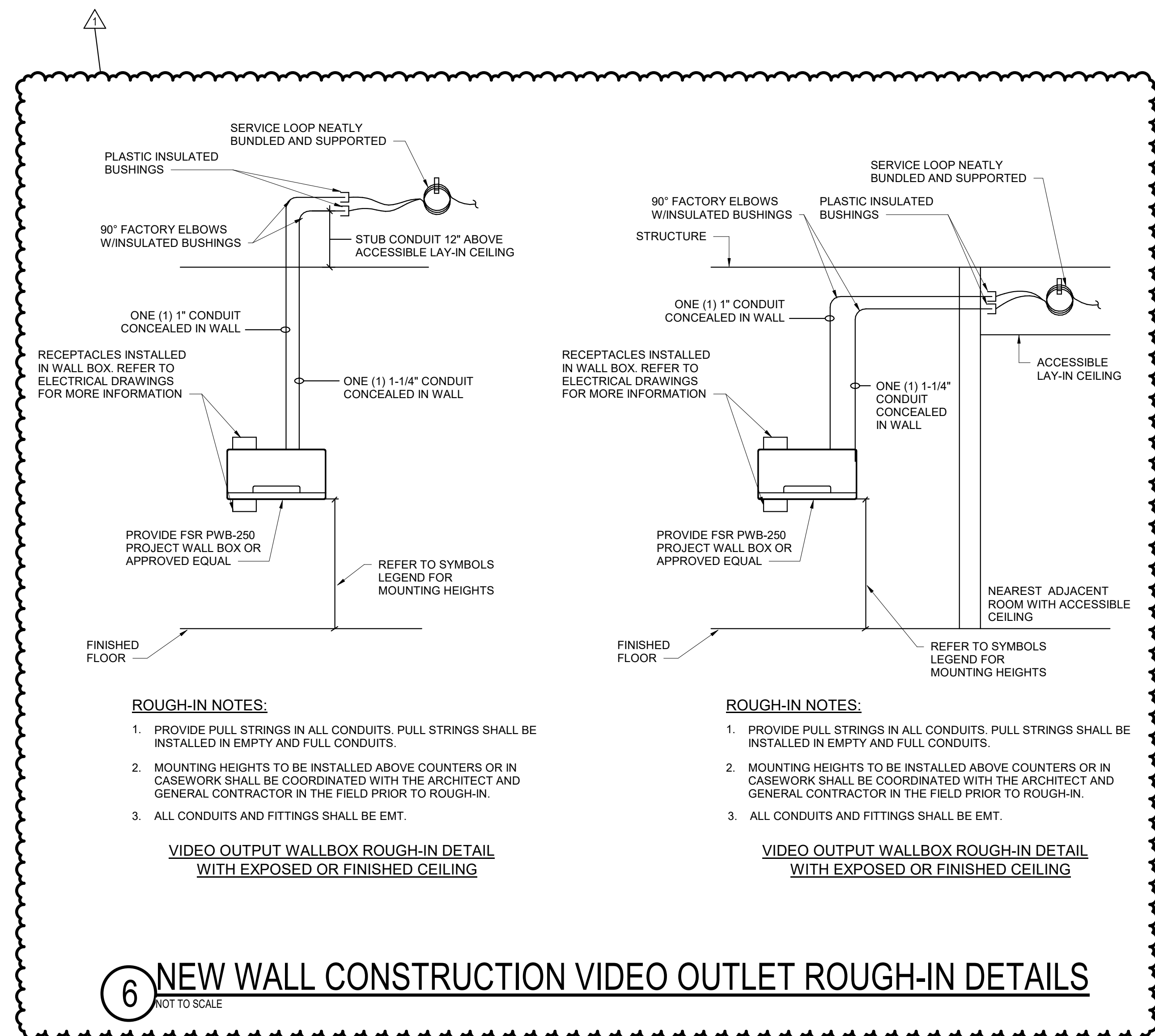
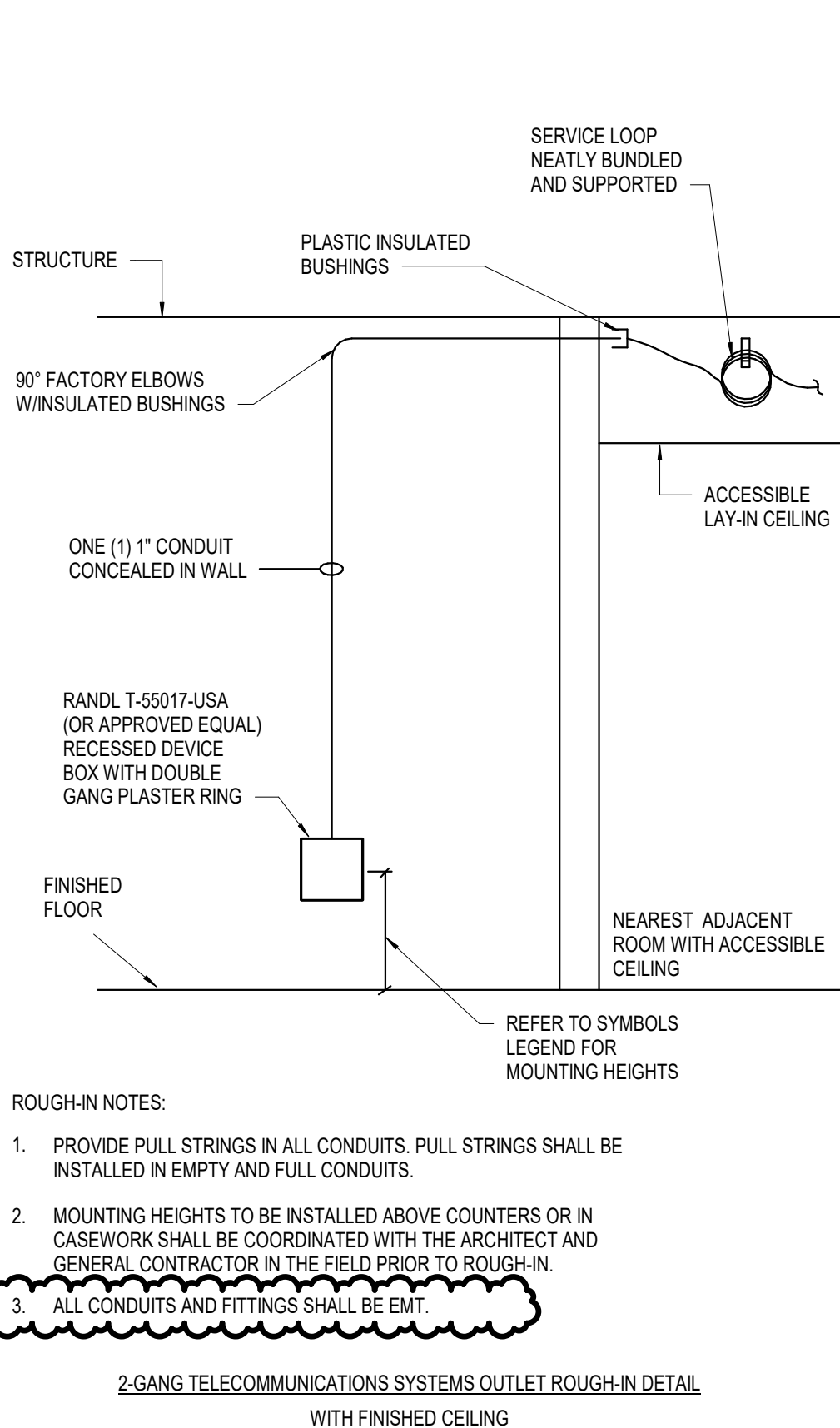
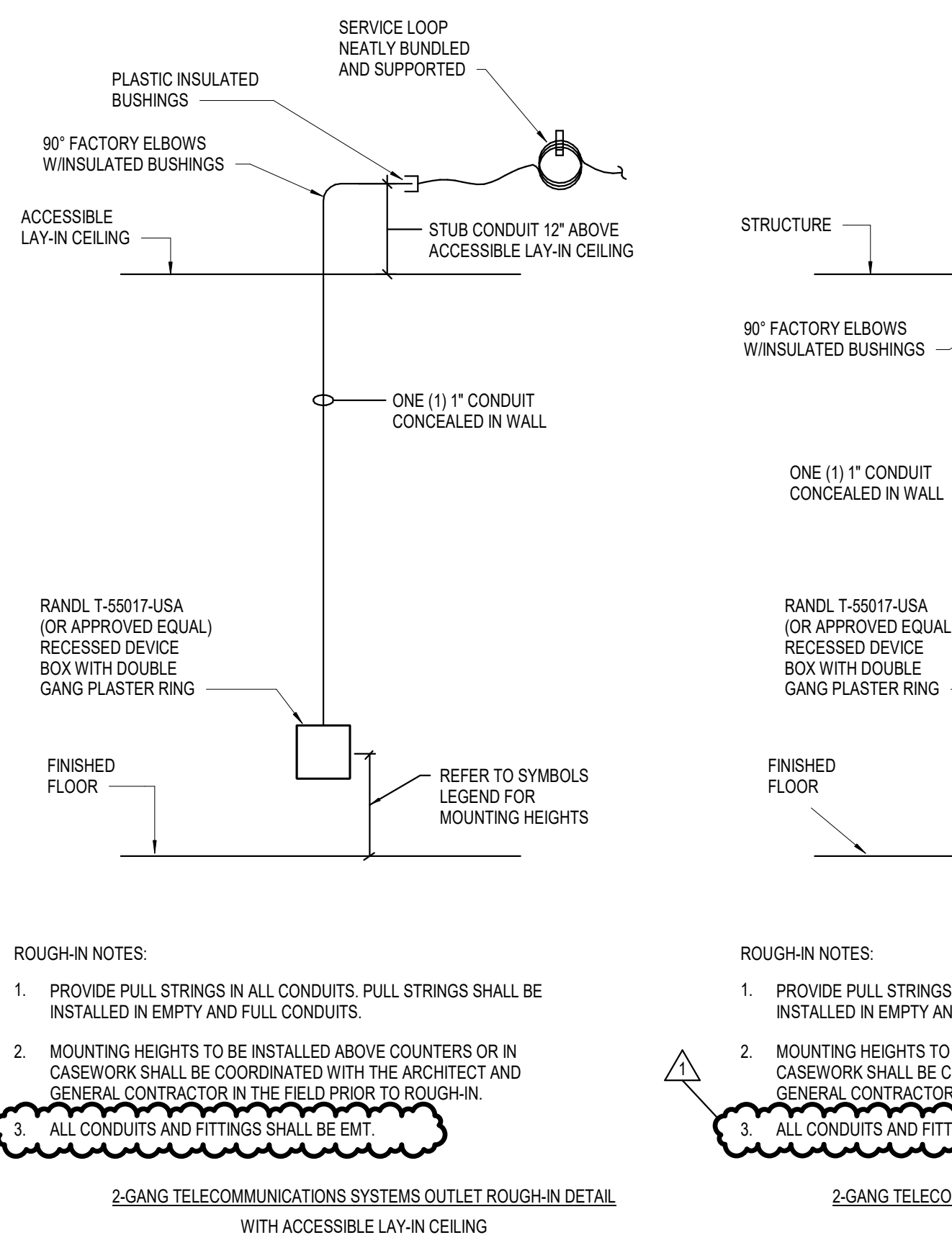
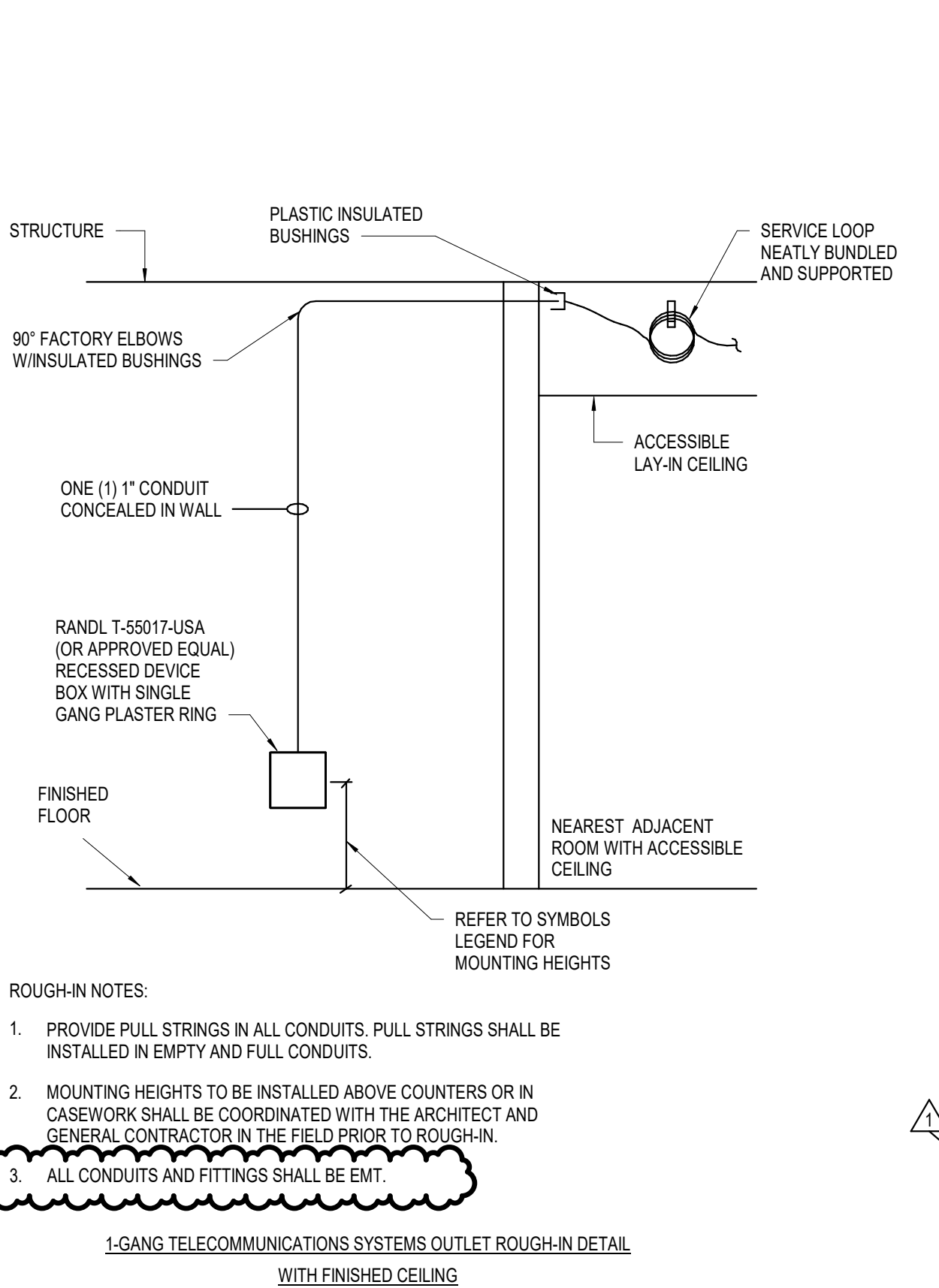
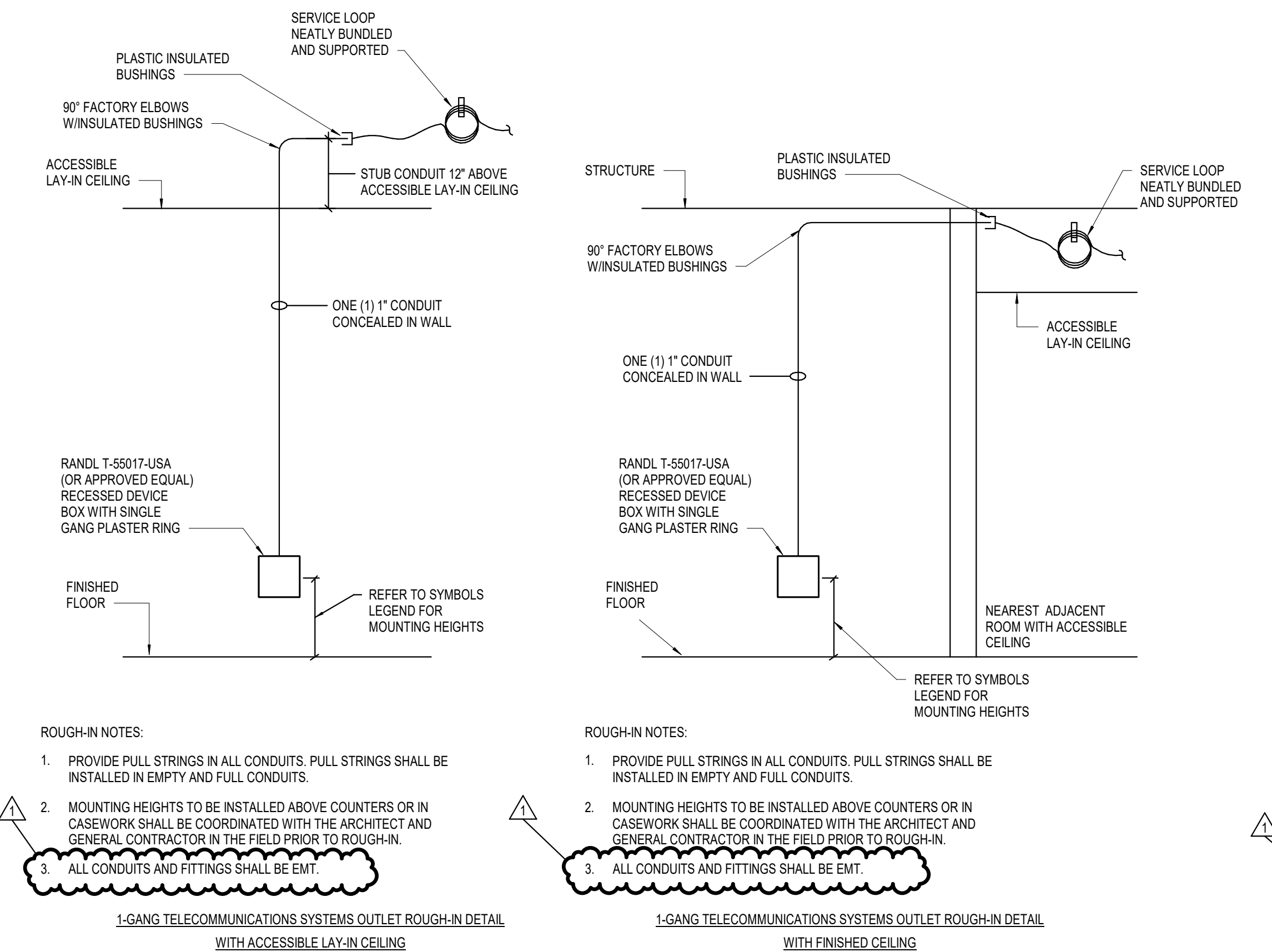
NEW WALL CONSTRUCTION 2-GANG DATA/VIDEO

2 ROUGH-IN DETAILS

NOT TO SCALE

3 EXISTING WALL RECESSED ROUGH-IN DETAIL

NOT TO SCALE



NEW WALL CONSTRUCTION 1-GANG SYSTEMS

4 ROUGH-IN DETAILS

NOT TO SCALE

NEW WALL CONSTRUCTION 2-GANG SYSTEMS

5 ROUGH-IN DETAILS

NOT TO SCALE

6 NEW WALL CONSTRUCTION VIDEO OUTLET ROUGH-IN DETAILS

NOT TO SCALE

