

# BUS MAINTENANCE REMODEL FOR: Rockford School District #205

501 7th Street  
ROCKFORD, ILLINOIS



## STERLING HOLLEY CENTER

2000 CHRISTINA STREET  
ROCKFORD, ILLINOIS

RPS # 2212  
IFB No. 23-19

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Q1	COMPRESSED AIR PLAN	I OF 1	KSA LIGHTING PLAN								
		LC1.0	KSA LIGHTING AND CONTROLS PLAN								
		LC1.0	KSA LIGHTING COVERAGE								
FPI	FIRE SPRINKLER PLAN										
NOTES				MATERIAL INDICATIONS				GRAPHIC SYMBOLS			
<p>DRAWINGS AND SPECIFICATIONS ARE INTENDED TO PROVIDE THE BASIS FOR PROPER COMPLETION OF THE WORK SUITABLE FOR THE INTENDED USE OF THE OWNER. ANYTHING NOT EXPRESSLY SET FORTH BUT WHICH IS REASONABLY IMPLIED OR NECESSARY FOR PROPER PERFORMANCE OF THE PROJECT SHALL BE INCLUDED.</p> <p>THE USER OF THESE DRAWINGS AGREES TO HOLD THE ARCHITECT HARMLESS FOR ANY RESPONSIBILITY IN REGARD TO CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES AND FOR ANY JOBSITE SAFETY PRECAUTIONS AND PROGRAMS. FURTHER THE USER OF THESE DRAWINGS SHALL HOLD THE ARCHITECT HARMLESS FOR COST AND PROBLEMS ARISING FROM NEGLIGENCE OF CONTRACTOR, SUBCONTRACTOR, TRADESMAN, OR WORKMAN. THE USE OF THESE DRAWINGS ALSO IMPLIES THAT THE ARCHITECT SHALL TAKE NO RESPONSIBILITY FOR THE PLANNED USER'S FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE DRAWINGS CONTRACT DOCUMENTS.</p> <p>THE CONTRACTOR ALONE IS RESPONSIBLE FOR THE SAFETY AND ADEQUACY OF HIS PLANT, APPLIANCES, METHODS AND MEANS, AND FOR DAMAGE WHICH MAY RESULT FROM THEIR IMPROPER REMOVAL, CONSTRUCTION, MAINTENANCE, OR OPERATION. HE SHALL ERECT AND PROPERLY MAINTAIN AT ALL TIMES, AS REQUIRED BY THE CONDITIONS AND PROGRESS OF THE WORK, PROPER SAFEGUARDS FOR THE PROTECTION OF WORKERS, OWNER, AND OWNER'S PROPERTY, AND SHALL POST WARNINGS AGAINST HAZARDS CREATED BY CONSTRUCTION OPERATIONS.</p> <p>DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS. LARGE SCALE DRAWINGS AND DETAILS TAKE PRECEDENCE OVER SMALL SCALE DRAWINGS.</p> <p>ALL LABOR, MATERIALS, AND CONSTRUCTION SHALL COMPLY AND CONFORM WITH ALL RULES, REGULATIONS, CODES AND ORDINANCES OF ALL FEDERAL, STATE AND LOCAL AUTHORITIES HAVING JURISDICTION OVER THE WORK, INCLUDING THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) AND THE AMERICAN WITH DISABILITIES ACT (ADA).</p> <p>THE CONTRACTOR SHALL INCLUDE ALL LABOR, MATERIALS AND EQUIPMENT FOR ALL WORK SHOWN OR SPECIFIED, INCLUDING TEMPORARY FACILITIES, EXCEPT AS NOTED.</p> <p>THE CONTRACTOR WARRANTS THAT HE IS FAMILIAR WITH THE CODES AND REGULATIONS APPLICABLE TO THE WORK AND THAT HE HAS THE SKILL, KNOWLEDGE, COMPETENCE, ORGANIZATION AND PLAN TO EXECUTE THE WORK PROMPTLY AND IN COMPLIANCE.</p> <p>THE CONTRACTOR SHALL SUPPLY ALL LABOR, TRANSPORTATION APPARATUS, SCAFFOLDING, AND TOLLS FOR THE COMPLETION OF THE WORK, MAINTAIN AND REMOVE ANY TEMPORARY EQUIPMENT, AND CONSTRUCT THE COMPLETE WORK AND EVERYTHING PROPERLY INCIDENTAL THEREOF AS STATED IN THE CONTRACT DOCUMENTS OR REASONABLY IMPLIED THEREFROM. IT IS NOT THE INTENT OF THE CONTRACT DOCUMENTS TO SET FORTH IN DETAIL EVERY ITEM NECESSARY TO PROVIDE FOR THE EXECUTION OF THIS PROJECT. CONTRACTOR MUST BE QUALIFIED FOR THIS WORK AND MUST, WITHOUT DIRECTION, FURNISH AND INSTALL EVERYTHING NECESSARY TO PROVIDE COMPLETE CONSTRUCTION AND ACCEPTABLE ORDER, READY FOR USE WITHOUT ADDITIONAL WORK.</p>				<p>THE CONTRACTOR SHALL KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIAL AND RUBBISH AND AT THE COMPLETION OF THE WORK, SHALL REMOVE FROM THE PREMISES ALL RUBBISH, IMPLEMENTS AND SURPLUS MATERIALS AND LEAVE THE BUILDING ROOMS - CLEAN.</p> <p>WORK NOT INDICATED IN ANY PART OF THESE DRAWINGS, BUT REASONABLY IMPLIED TO BE SIMILAR TO THAT SHOWN AT CORRESPONDING PLACES SHALL BE REPEATED.</p> <p>NOTES ON DRAWINGS SHALL APPLY TO ALL SIMILAR CONDITIONS WHETHER REPEATED OR NOT.</p> <p>THE GENERAL CONTRACTOR AND ALL SUB-CONTRACTORS, EACH AS HIS TRADE APPLIES, SHALL BE RESPONSIBLE FOR INTERPRETATIONS, CLARIFICATIONS, RECONCILIATION OF CONTRADICTIONS, OR INSUFFICIENT INFORMATION OR SHALL SUBMIT DETAILS TO THE ARCHITECT PRIOR TO CONSTRUCTION. WHERE CONTRADICTIONS OCCUR (FOR BIDDING PURPOSES) THE ITEM REQUIRING THE GREATER LABOR OR MATERIAL SHALL GOVERN.</p> <p>EACH CONTRACTOR SHALL REVIEW THE DRAWINGS OF OTHER TRADES TO VERIFY SPACES IN WHICH THEIR WORK WILL BE INSTALLED WILL BE CLEAR OF OBSTRUCTIONS. WHERE THERE IS EVIDENCE THAT WORK WILL INTERFERE WITH OTHER CONTRACTORS, EACH SHALL ASSIST IN WORKING OUT SPACE CONDITIONS FOR SATISFACTORY ADJUSTMENTS.</p> <p>THE CONTRACTOR ACKNOWLEDGES AND AGREES THAT HE HAS INDIVISIBLE, INDELEGABLE, AND INTRANSFERABLE AND CONTRACTUAL OBLIGATION TO THE OWNER TO MAKE HIS OWN INSPECTIONS ON HIS OWN WORK AT THE STAGES OF CONSTRUCTION AND SHALL SUPERVISE AND SUPERINTEND PERFORMANCE OF WORK IN SUCH MANNER AS TO ENABLE HIM TO CONFIRM, CERTIFY, AND CORROBORATE AT ALL TIMES THAT ALL WORK HAS BEEN EXECUTED ACCORDING TO THE CONTRACT DOCUMENTS.</p> <p>ALL CONTRACTORS AND SUB-CONTRACTORS, EACH AS HIS OWN TRADE APPLIES, SHALL BE RESPONSIBLE FOR ACQUAINTING HIMSELF WITH THE ANSI A111.1, THE STATE OF ILLINOIS CAPITAL DEVELOPMENT BOARD ACCESSIBILITY CODE, AND THE FEDERAL AMERICANS WITH DISABILITIES ACT, AND SHALL BE RESPONSIBLE FOR COMPLYING WITH THESE STANDARDS AS THEY APPLY TO WORK UNDER CONTRACT. ALL SUB-CONTRACTORS, EACH AS HIS OWN TRADE APPLIES, SHALL BE RESPONSIBLE FOR RECONCILIATION OF CONTRADICTIONS OR INCOMPLETE INFORMATION PERTAINING TO THE ABOVE REFERENCED STANDARDS WHETHER SHOWN ON PLANS OR NOT.</p> <p>THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL CONDITIONS AND DIMENSIONS AT THE JOB SITE. PRIOR TO SUBMITTING A BID THE CONTRACTOR SHALL INVESTIGATE, VERIFY AND BE RESPONSIBLE FOR ALL CONDITIONS OF THE PROJECT AND SHALL NOTIFY THE OWNER OF ANY CONDITIONS REQUIRING MODIFICATION THAT COULD AFFECT THE BID.</p>				<p>⊕ OF COLUMN</p> <p>DRAWING No. DETAIL MARK</p> <p>SHEET No.</p> <p>DRAWING No. SECTION MARK</p> <p>SHEET No.</p> <p>ELEVATION MARK</p> <p>DOOR NUMBER</p> <p>WALL TYPE</p> <p>INTERIOR ELEVATION</p> <p>ROOM NAME/NUMBER</p> <p>ROOM NUMBER/CEILING HEIGHT</p>			

D1 REMOVE EXISTING WALLS FROM FLOOR TO TERMINATION AT/ABOVE CEILING. REMOVE POWER AND LIGHT SWITCHES IN WALLS (SEE ALSO ELECTRICAL DRAWINGS). REMOVE ALL WALLS AND ATTACHMENTS FROM AROUND COLUMN AND CLEAN/PREPARE FOR NEW PAINT.

D2 CUT NEW 3'-4" X 7'-4" ROUGH OPENING IN EXISTING MASONRY WALL. PROVIDE NEW LINTEL. PROVIDE NEW BLOCKS AT JAMBS AND PREPARE OPENING FOR NEW DOOR FRAME.

D3 REMOVE PORTION OF WALL, AS REQUIRED, BY NEW CONSTRUCTION.

D4 REMOVE/RELOCATE LIGHT SWITCH. SEE ALSO ELECTRICAL DRAWINGS.

D5 EXISTING POWER RECEPTACLE. REMOVE AND REPLACE WITH NEW GFCI DEVICE. SEE ALSO ELECTRICAL DRAWINGS.

D6 REMOVE EXISTING OVERHEAD DOOR AND TRACK. PREPARE OPENINGS AS REQUIRED FOR NEW DOOR.

D7 REMOVE FREESTANDING ROOMS, INCLUDING EXISTING WALLS AND SUPPORTING CEILING/ROOF STRUCTURE ABOVE. REMOVE ALL DOORS, WINDOWS, AND OPENINGS. REMOVE ALL POWER AND LIGHTS-SEE ALSO MEP DRAWINGS.

D8 REMOVE AND DISPOSE OF EXISTING THRU WALL A/C UNIT AND ALL ASSOCIATED POWER-SEE ALSO MEP DRAWINGS.

D9 REMOVE AND DISPOSE OF EXISTING ENG AND ALL ASSOCIATED PLUMBING AND POWER.

D10 SAW CUT AND REMOVE SLAB AS REQUIRED TO INSTALL NEW TRENCH DRAINS. SEE PLUMBING DRAWINGS FOR FULL SCOPE.

D11 REMOVE PLASTIC CURTAINS AND ALL EXTRANEOUS HARDWARE ATTACHED TO EXISTING OPENING FRAME AND JAMBS

D12 CUT EXISTING EXTERIOR WALL PANEL TO CREATE NEW OVERHEAD DOOR OPENING. CENTER OPENING BETWEEN EXISTING COLUMNS. REMOVE AND/OR RELOCATE EXISTING RECEPTACLES, CONDUIT, PIPES, ETC., THAT CROSS THE OPENING. GRIND EXPOSED CONCRETE AT BASE FOR SMOOTH THRESHOLD AT NEW OPENING.

D12A SAME AS ABOVE, EXCEPT ADJUST DOOR SLIGHTLY OFF CENTER TO ALLOW FOR REMOVAL OF OPENINGS CUT IN WALL FOR PREVIOUS A/C WINDOW UNITS.

D13 REMOVE EXISTING OVERHEAD DOOR AND TRACK. PREPARE OPENING AS REQUIRED FOR NEW DOOR.

D14 REMOVE AND DISPOSE OF COMPLETE SHELVING SYSTEM. INCLUDING ALL ATTACHMENTS TO BUILDING AND FLOOR SLAB.

D15 TYPICAL AT ALL. REMOVE FIRE EXTINGUISHER AND BRACKET AND TURN OVER TO OWNER.

D16 REMOVE AND RELOCATE EXISTING AV AND PULL TO BE ADJACENT TO NEW WALK DOOR.

D17 REMOVE EXISTING OVERHEAD DOOR, EXISTING PAIR WALK DOORS, AND PORTIONS OF WALL TO ACCOMMODATE NEW LARGER OVERHEAD DOOR AND NEW SINGLE WALK DOOR. SEE ALSO REVISED DRAWING.

D18 REMOVE EXHAUST FAN TO ACCOMMODATE NEW OPENING. SEE ALSO ELECTRICAL DRAWINGS.

D19 REMOVE ENTIRE WALL FROM FLOOR SLAB TO U.S. OF STRUCTURE ABOVE. TAKE CARE NOT TO DAMAGE ADJACENT SURFACES TO REMAIN. REMOVE ALL POWER IN AND ATTACHED TO WALL. SEE ALSO ELECTRICAL DRAWINGS.

D14 REMOVE EXISTING FAN AND PREPARE OPENING FOR NEW INFILL.

D21 CUT EXISTING EXTERIOR WALL PANEL TO CREATE NEW WALK DOOR OPENING. GRIND EXPOSED CONCRETE AT BASE FOR SMOOTH THRESHOLD AT NEW OPENING.

D23 REMOVE AND ABANDON SECTION OF EXISTING TRENCH DRAIN. SEE ALSO PLUMBING DRAWINGS.

D28 REMOVE DOOR FRAME, AND SIDELITE. PREPARE OPENING FOR NEW INFILL.

D24 EXISTING WINDOW TO REMAIN.

D26 REMOVE AND DISPOSE OF EXISTING FURNACE AND ALL ASSOCIATED DUCTWORK. REMOVE ASSOCIATED POWER AND GAS. SEE ALSO MEP DRAWINGS.

D27 REMOVE ALL IRREGULAR FINISHES THIS WALL AS REQUIRED TO ACCOMMODATE NEW FINAL PAINTED WALL FINISH. SAVING, OR OVER-BOARDING OF WALL IS ACCEPTABLE.

D29 CUT NEW 4'-8"X 1'-2" OPENING FOR NEW WALK DOOR INTO EXISTING WALL. PATCH REPAIR ADJACENT SURFACES AS REQUIRED. PROVIDE NEW BLOCKING AND HEADER AS REQUIRED.

D30 REMOVE EXISTING DOOR AND FRAME. PREPARE OPENING FOR NEW INFILL.

D83 REMOVE AND RELOCATE/REWORK EXISTING POWER PANELS THIS LOCATION.  
SEE ALSO ELECTRICAL DRAWINGS.

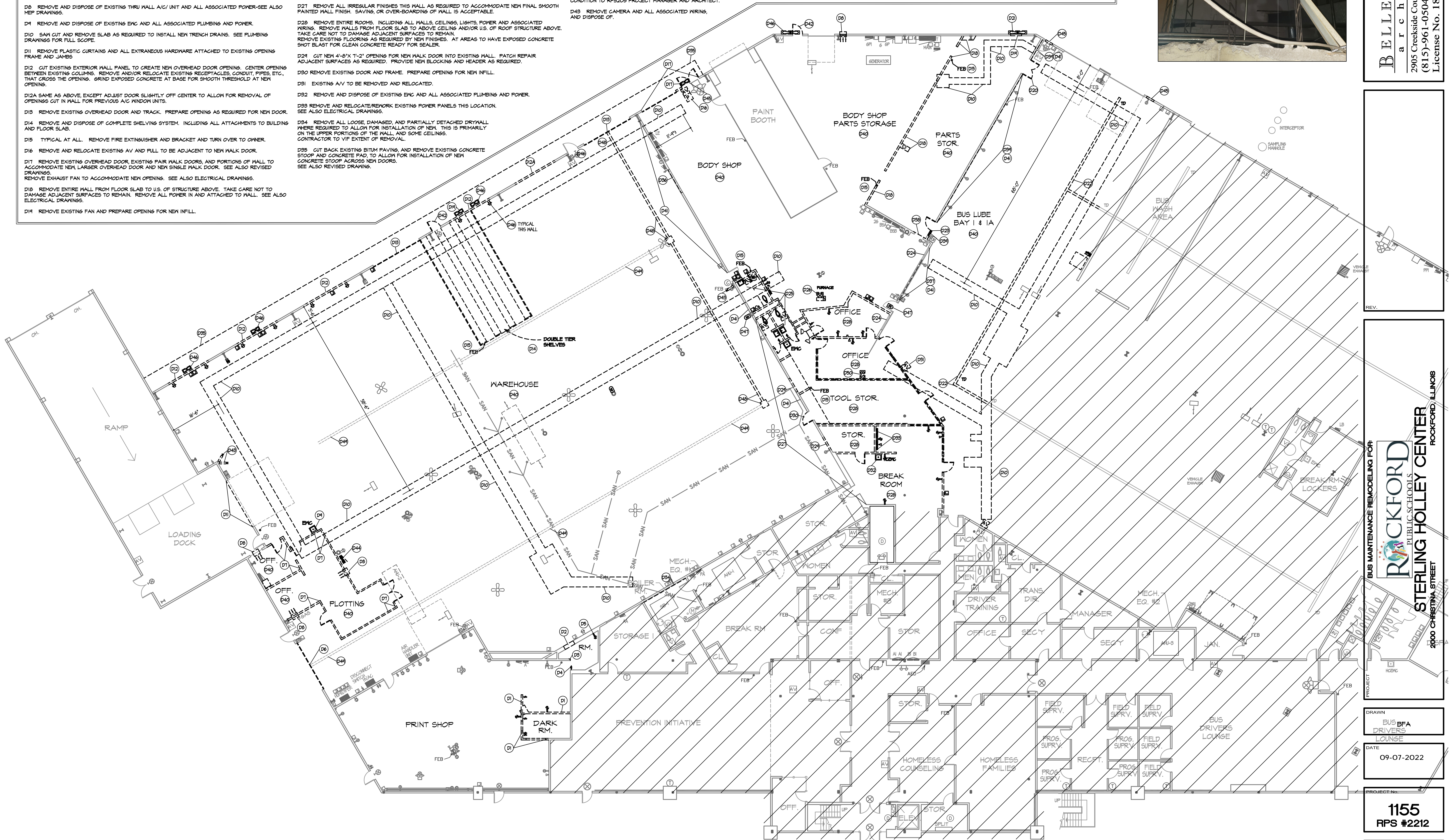
D95 CUT BACK EXISTING BITUM PAVING, AND REMOVE EXISTING CONCRETE STOOP AND CONCRETE PAD, TO ALLOW FOR INSTALLATION OF NEW CONCRETE STOOP ACROSS NEW DOORS.  
SEE ALSO REVISED DRAWING.

D37 REMOVE EXISTING DECORATIVE WOODWORK AND PANELS BETWEEN. LIMIT DAMAGE TO WALL BEHIND AS MUCH AS FEASIBLE. PREPARE FOR NEW FINISHES.

D391 REMOVE EXISTING PANELING ABOVE DECORATIVE ROCK FROM EXISTING WALL. DETACH ALL CONDUIT, RECEPTACLES, LIGHTS, LUBE SYSTEM AND TOOLS FROM AREA OF PANELING. PATCH WALL TO REMAIN FOR NEW FINISHES.

D41 EXISTING STONE TO REMAIN. CLEAN THOROUGHLY TO ALLOW FOR APPLICATION OF NEW PAINTED FINISH.

D43 REMOVE CAMERA AND ALL ASSOCIATED WIRING  
AND DISPOSE OF.



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PROJECT

BUS MAINTENANCE REMODELING FOR

STERLING HOLLEY CENTER

2000 CHRISTINA STREET

ROCKFORD, ILLINOIS

ROCKFORD PUBLIC SCHOOLS

ROCKFORD

DRAWN  
BUS BFA  
DRIVERS  
LOUNGE  
DATE  
09-07-2022

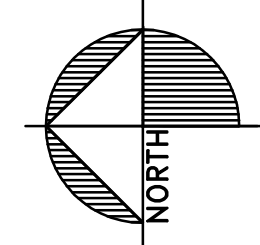
PROJECT No. **1155**  
**RPS #2212**

SHEET No.

D1

DWG FILE: D1

# 1 DEMOLITION PLAN



CEILING DEMOLITION PLAN NOTES

D1 THRU D48 INDICATED ON SHEET D1  
D50 AND UP ON THIS SHEET, D1.1

D50 REMOVE EXISTING CEILING SYSTEM, SUPPORTS, LIGHTS, ATTACHMENTS, AND UTILITIES.

D51 REMOVE EXISTING SUSPENDED AND EXISTING HARD CEILING SYSTEM. REMOVE SOFFITS. REMOVE ALL LIGHTS, EXIT/EGRESS LIGHTS, AND DIFFUSERS. REMOVE/RELOCATE EXISTING FIRE PROTECTION HEADS. REMOVE EXISTING CONSTRUCTION THIS AREA FROM CONCRETE SLAB UP TO UNDERSIDE OF EXISTING ROOF ABOVE. PROTECT ADJACENT CONSTRUCTION TO REMAIN FROM DAMAGE. SEE ALSO MEP DRAWINGS.

D52 REMOVE / RELOCATE EXISTING SUSPENDED UNIT HEATER. REMOVE UN-USED UTILITIES BACK TO SOURCE. SEE ALSO MEP DRAWINGS.

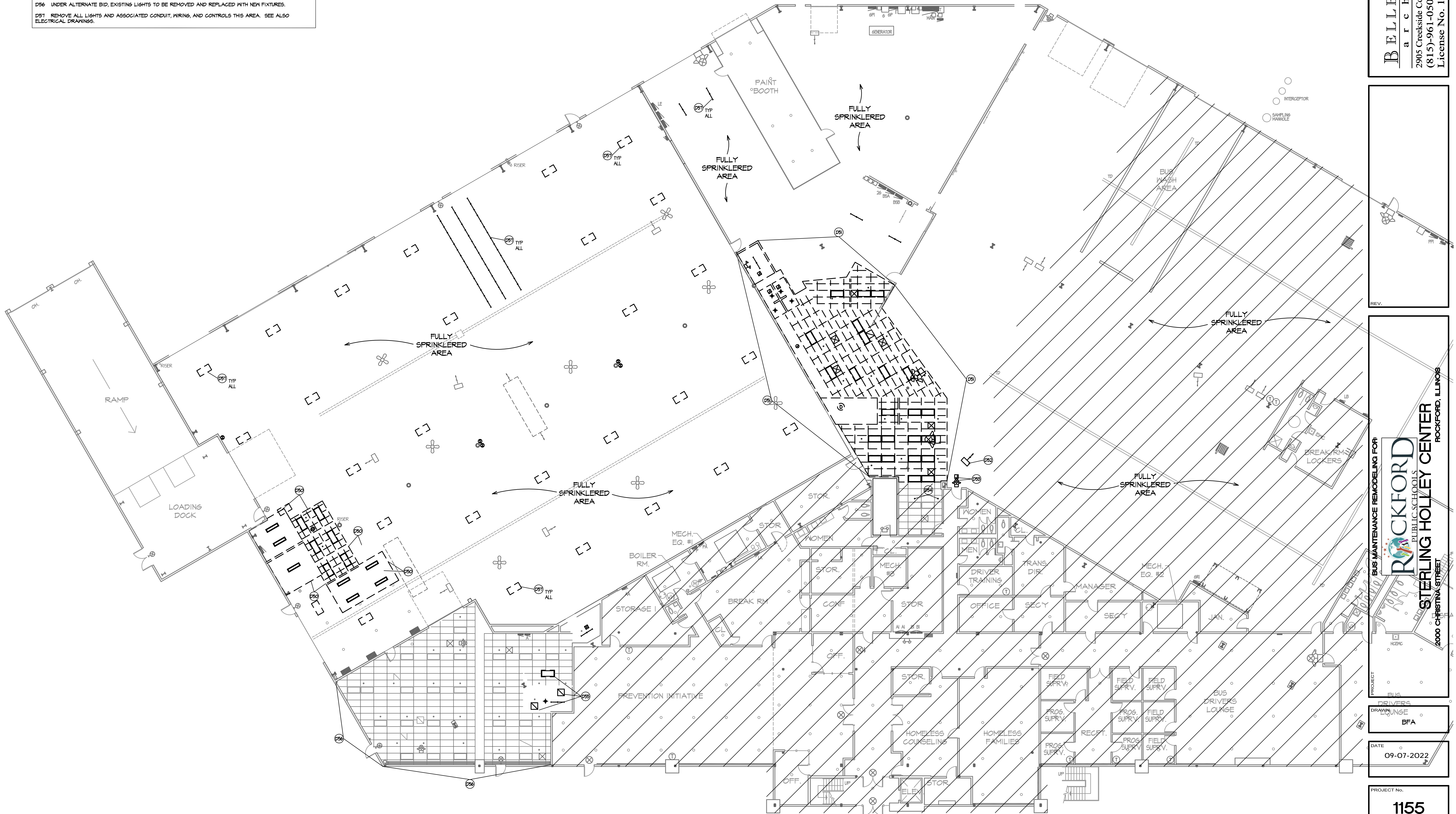
D53 REMOVE EXISTING EXIT SIGN. POWER TO REMAIN FOR RE-USE WITH NEW EXIT/EGRESS FIXTURE.

D54 REWORK EXISTING FIRE PROTECTION THIS ROOM.

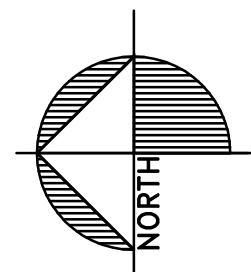
D55 REMOVE LIGHTS, DIFFUSERS, AND CEILING STRUCTURE THIS AREA. ADJUST FIRE PROTECTION HEADS AS REQUIRED.

D56 UNDER ALTERNATE BID, EXISTING LIGHTS TO BE REMOVED AND REPLACED WITH NEW FIXTURES.

D57 REMOVE ALL LIGHTS AND ASSOCIATED CONDUIT, WIRING, AND CONTROLS THIS AREA. SEE ALSO ELECTRICAL DRAWINGS.



1  
CEILING  
DEMOLITION PLAN  
SCALE: 3/32" = 1'-0"



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REV.

BUS MAINTENANCE REMODELING FOR  
**ROCKFORD**  
PUBLIC SCHOOLS  
**STERLING HOLLEY CENTER**  
ROCKFORD, ILLINOIS  
2000 CHRISTINA STREET

PROJECT  
DRAWN  
BFA

DATE  
09-07-2022

PROJECT No.  
**1155**  
RPS #2212

SHEET No.  
**D1.1**  
RPS FILE: D1-1

ARCHITECTURAL NOTES

- A1 THIS WALL HAS TWO OPENINGS, CURRENTLY FILLED WITH PLYWOOD, WHERE THRU WALL COOLING UNITS HAD PREVIOUSLY BEEN. ADJUST THE DOOR OFF-CENTER IN THIS BAY ONLY. (TIGHT TO SOUTH OPENING). ADJACENT TO NEW DOOR, AT INTERIOR FACE OF THIS BAY, TAKE GREAT CARE TO REMOVE EXISTING PANELING. METAL PANEL UNDERNEATH SHOULD BE CLEAN AND READY FOR NEW PAINT. SEE ARCHITECT AND RPS205 PROJECT MANAGER IF PANELING DOES NOT COME OFF WALL WITHOUT DAMAGING METAL PANEL TO REMAIN. INFILL OPENINGS IN WALL TO REMAIN.
- A2 NEW CONCRETE APRON. PROVIDE NEW 8" THICK FIBER REINFORCED CONCRETE APRON REINFORCED WITH #4 BARS EACH WAY AT 12" O.C., SET BUILDING EDGE 1/2" DOWN FROM FINISHED FLOOR, AND SLOPE 1/8" PER FOOT MIN. TO MEET EXISTING SITUATION. TIE TO EXISTING FOUNDATION WALL WITH 12" LONG #5 BARS AT 12" O.C., SET 6" INTO EXISTING SLAB. SEE ALSO DETAIL.
- A3 AFTER REMOVAL OF PANELING, FILL OPENINGS WITH NEW GWB, FLUSH WITH EXISTING WALL TO REMAIN.
- A4 THIS WALL HAS NUMEROUS HOLES AND PLASTER DAMAGE. REPAIR ALL.
- A5 AFTER REMOVAL OF DECORATIVE PANELS AND FRAMING, PATCH/REPAIR WALL TO REMAIN. THIS MAY INCLUDE NEW GWB. ALL AS REQUIRED FOR NEW PAINTED FINISH.
- A6 REPAIR WOOD AT PRIOR DOOR OPENINGS. FILL NAIL HOLES. REPLACE DAMAGED AREAS AS REQUIRED. PREPARE FOR NEW PAINTED FINISH DP2.
- A7 THOROUGHLY CLEAN STONE MAINCOAT AND PREPARE FOR NEW PAINTED FINISH. PAINT STONE AND WOOD RAIL WITH APPROPRIATE PRIMER AND #6 COLOR COAT TO MATCH HM DOORS/FRAMES.
- A8 PATCH/REPAIR WALL WHERE PANELING WAS REMOVED. AFTER RE-ATTACHMENT OF CONDUIT, RECEPTACLES, LIGHTS, AND GREASE EQUIPMENT PAINT WALL TO REMAIN.
- A9 PAINT EXPOSED INTERIOR COLUMNS TO MATCH WALL PAINT (WALL PAINT UP TO 12'-0", CEILING PAINT DOWN TO 12'-0". TYPICAL AT ALL.
- A10 REMOVE ALL COVERINGS AND ATTACHMENTS FROM COLUMN. SAND SURFACE BELOW CEILING SMOOTH. PROVIDE PRIMER AND (2) COATS OF DP2 (ACRYLIC LATEX SHERWIN WILLIAMS 101B DOVETAIL. TYPICAL OF EXPOSED COLUMNS IN FINISHED SPACES.
- A11 THIS CONTRACTOR TO FURNISH AND INSTALL 21 LOCKERS THIS ROOM. LOCKERS TO BE 15" WIDE, 12" DEEP, 64" TALL, WITH SINGLE SHELF, CLOSET BAR, AND THREE HOOKS. FLAT TOP. SOLID SIDES AND SOLID LOWER VENTILATED DOOR. SINGLE POINT RECESSED LATCH. CONTINUOUS HINGE, ALL WELDED (NO RIVETS OR SCREWS) UNIBODY CONSTRUCTION. COLOR EQUAL TO DE BOURSH SUNSET ORANGE.
- A12 INFILL WALL WHERE FAN WAS REMOVED WITH METAL PANEL FROM GARAGE DOOR OPENING FOR MATERTIGHT/INSULATED CONDITION.
- A13 AFTER PLUMBER HAS REMOVED PIPING ASSOCIATED WITH TRENCH DRAIN, INFILL SOLID WITH CONCRETE.
- A14 AFTER COMPLETION AND INSPECTION OF UNDERFLOOR PIPING, BACKFILL AND COMPACT TO U.S. OF EXISTING SLAB. PROVIDE NEW 6" REINFORCED CONCRETE FLOOR. TIE TO EXISTING SLAB WITH 12" LONG, #5 BARS AT 24" O.C. CONT. AROUND THE PERIMETER.

A15 PAINT COLUMN IN SHOP AREAS #P3 UP TO 12'-0". PAINT #P2 ABOVE 12'-0". THIS WILL MATCH THE WALL PAINT SCHEME.

A16 PATCH/REPAIR WALLS AT ALL LOCATIONS, SHOWN OR NOT, WHERE ADJACENT CONSTRUCTION WAS REMOVED/DENGLISHED.

FEB  
OWNER TO FURNISH & INSTALL FIRE EXTINGUISHERS PER CODE & REQUIREMENTS OF LOCAL FIRE DEPT. PROVIDE MIN. TYPE 2A 10 BC PORTABLE EXTINGUISHERS AT EXIT DOOR(S) AND AT MAX. TRAVEL DISTANCES OF 75'-0". MOUNT TOP OF EXTINGUISHER AT 5'4" A.F.F. SUCH THAT UNIT DOES NOT PROJECT MORE THAN 4" INTO A CIRCULATION PATH.

BUILDING HAS EASILY READ ADDRESS NUMBERS AT A LOCATION VIEWABLE FROM THE ADDRESS STREET VIF EXISTING ARE ACCEPTABLE TO THE AHI.

THIS BUILDING HAS AN AUTOMATIC SPRINKLER SYSTEM, A FIRE ALARM SYSTEM, AND AN AUTOMATIC FIRE DETECTION SYSTEM. BUILDING HAS AN EXISTING KNOX BOX ACCEPTABLE TO THE LOCAL FIRE DEPARTMENT.

MAXIMUM OCCUPANT LOAD FOR ROOMS WITH OVER 50 PERSONS SHALL BE POSTED IN A MANNER ACCEPTABLE TO THE LOCAL FIRE DEPARTMENT.

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REV.

BUS MAINTENANCE REMODELING FOR  
ROCKFORD PUBLIC SCHOOLS  
STERLING HOLLEY CENTER  
2009 CHRISTINA STREET  
ROCKFORD, ILLINOIS

PROJECT  
BUS DRIVERS LOUNGE

DRAWN  
BFA

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PROJECT No.  
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RPS #2212

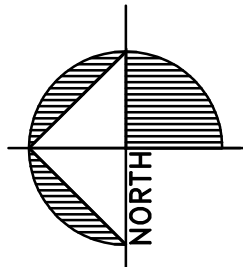
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A1

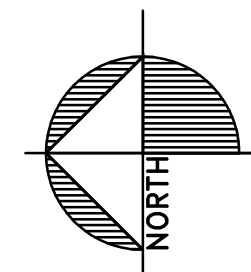
NOTE: MOST EXISTING WALLS ARE NOT TYPICAL 2X OR METAL STUD CONSTRUCTION WITH DRYWALL SHEETS. WALLS ARE NINE LADDERS WITH 24" WIDE GYPSUM BOARD. CONTRACTOR TO FULLY EXAMINE WALLS TO BE REMOVED, REMODELED, AND REMAIN AND TAKE SUCH CONSTRUCTION INTO ACCOUNT IN THE BASE BID FOR THIS PROJECT. NO CHANGES WILL BE CONSIDERED RELATED TO THIS ATYPICAL CONSTRUCTION!

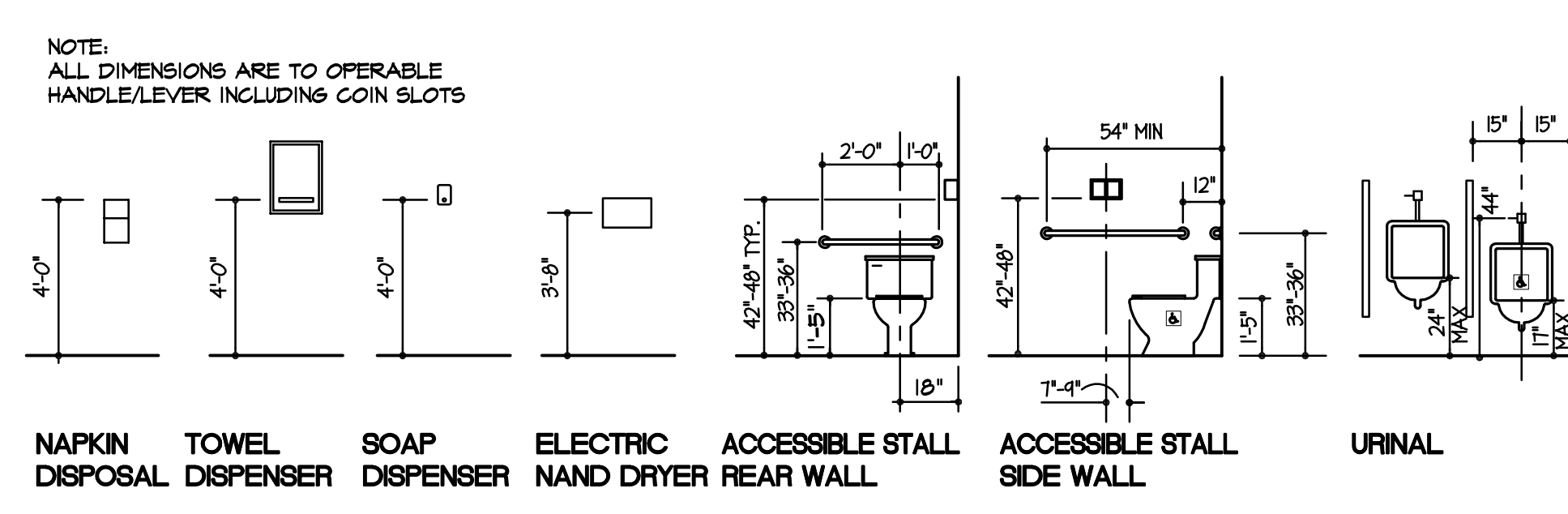
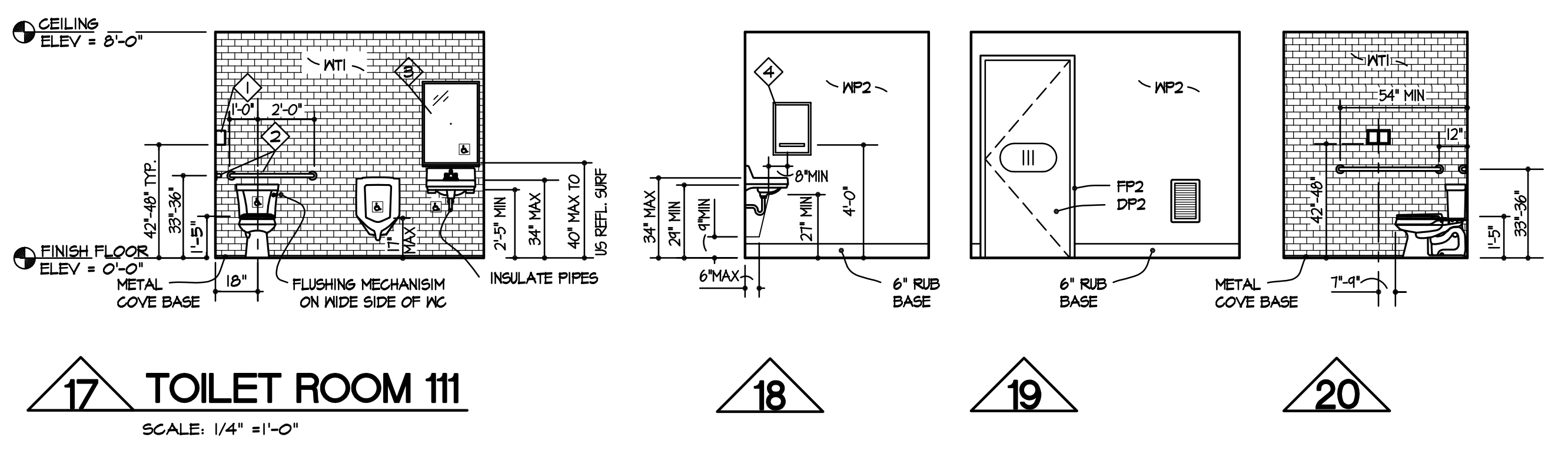
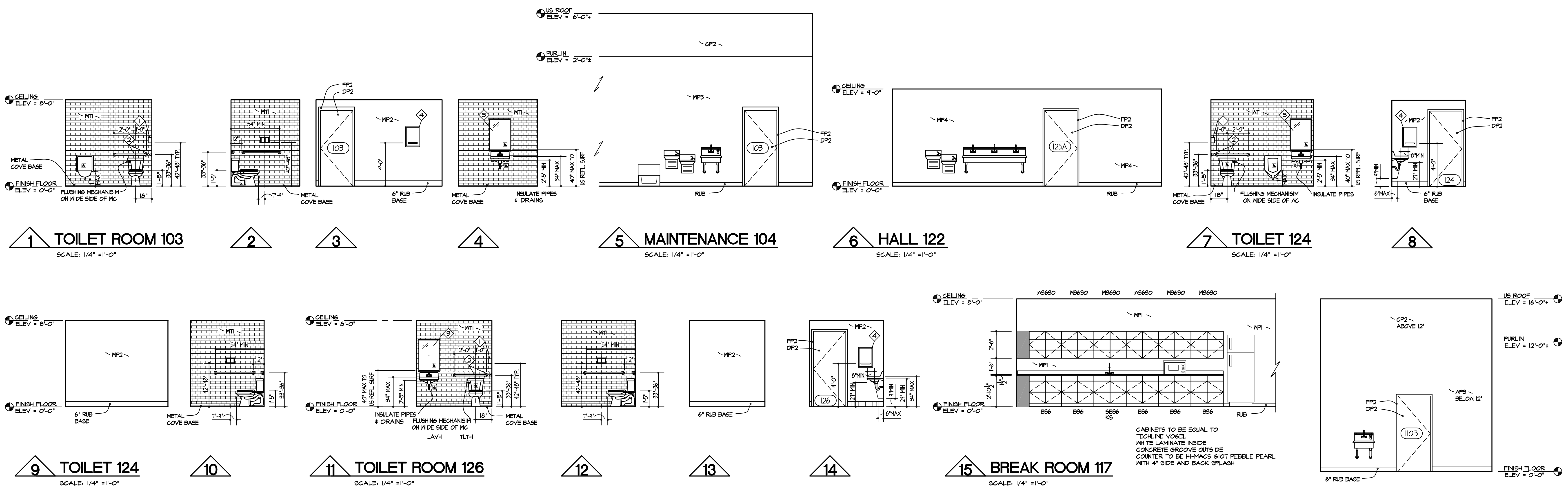


NOTE: SEE SHEET A2 FOR LARGE SCALE TOILET PLANS

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



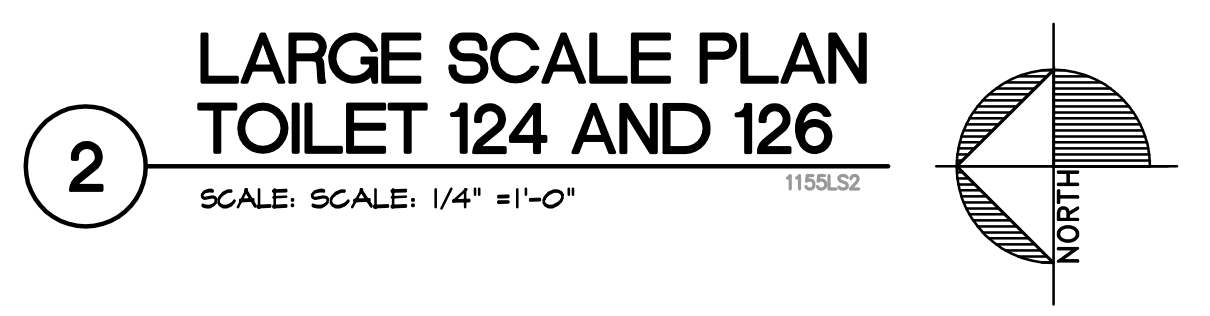
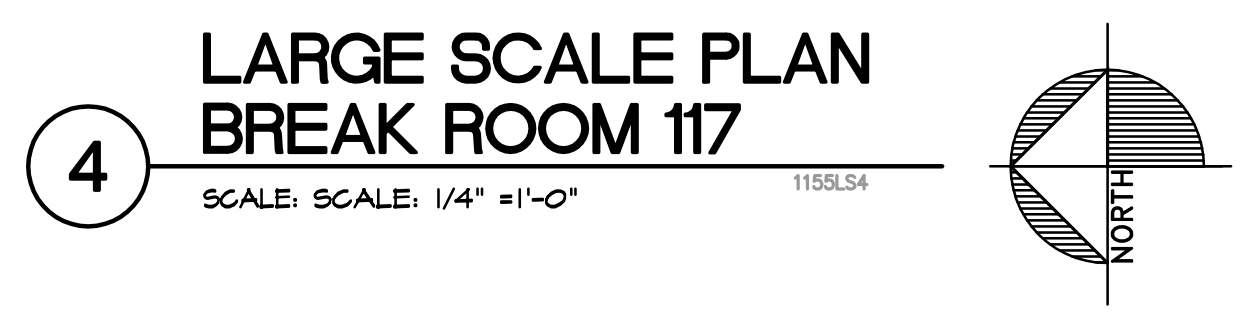




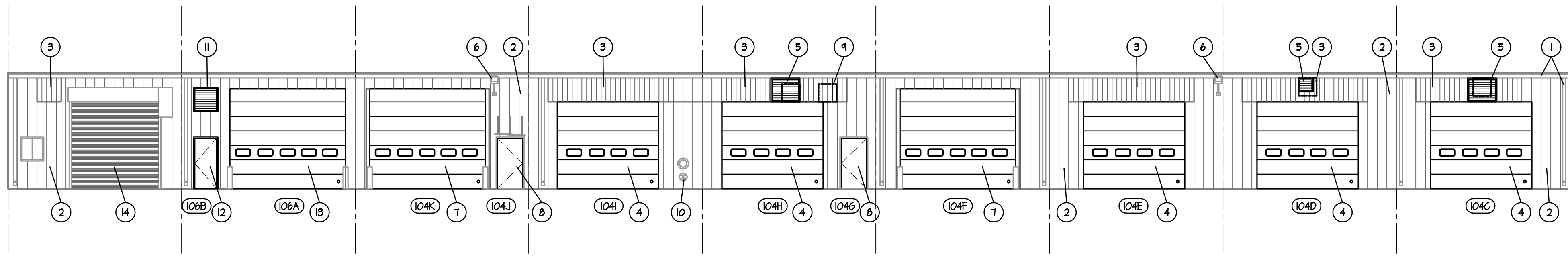
TOILET ACCESSORY SCHEDULE	
TOILET TISSUE DISPENSER	ASI-0264-1A PER A.H.J. DISPENSER SHALL COMPLY WITH SECTION 304.4
GRAB BARS	ASI-3800 (42" x 36") PEBLED SURFACE
MIRRORS	ASI-0620 SERIES 24" X 36"
PAPER TOWEL DISPENSER	ASI-0210

ALL OTHER SPECIALTIES THAT MAY BE FURNISHED & INSTALLED BY THE OWNER  
(IE. SOAPS, ADDITIONAL TOWEL DISPENSERS, WASTE RECEPTACLES, ETC.) TO BE  
INSTALLED IN CONFORMANCE WITH ALL CODES, REGULATIONS & ACCESSIBILITY CODE  
GUIDELINES.

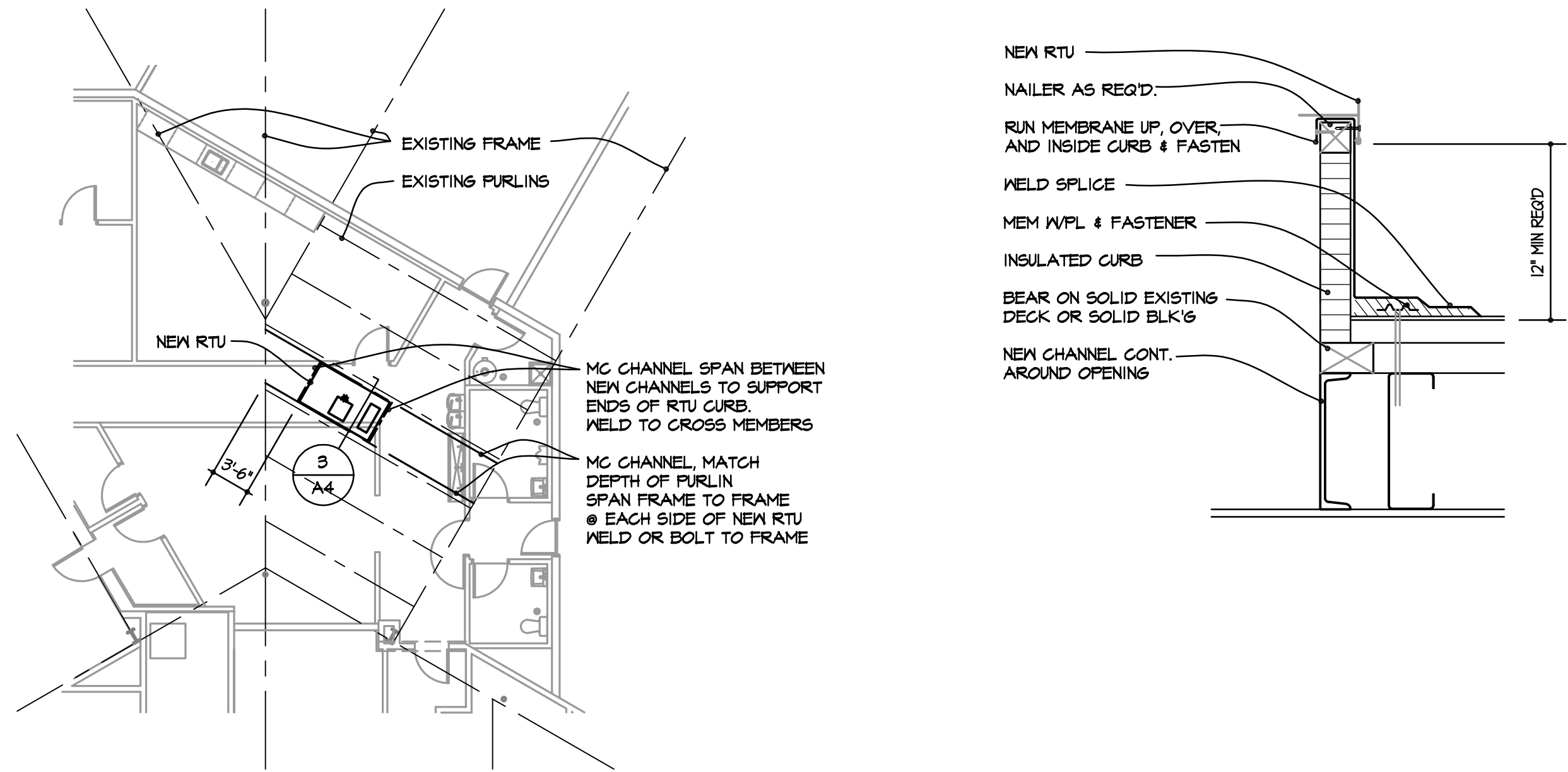
5 TOILET ACCESSORY  
MOUNTING HEIGHTS  
SCALE: 1/4" = 1'-0"



REV.



**REVISED NORTH-EAST ELEVATION**  
SCALE: 3/32" = 1'-0"  
WELLY



**STRUCTURAL SUPPORT SUPPORT AT NEW RTU**  
SCALE: 3/32" = 1'-0"  
FRAMING

**RTU CURB DETAIL**  
SCALE: 1-1/2" = 1'-0"  
RTU CURB DETAIL

## ELEVATION NOTES

- EXISTING GUTTER AND DOWNSPOUT - TYPICAL
- EXISTING INSULATED METAL WALL PANEL - TYPICAL
- EXISTING TRANSLUCENT PANEL - TYPICAL
- NEW OVERHEAD DOOR IN NEW OPENING. SEE DOOR SCHEDULE
- NEW FAN IN LOCATION OF EXISTING FAN TO BE REMOVED. MODIFY EXISTING OPENING TO ACCOMMODATE NEW LARGER FAN.
- EXISTING LIGHT TO REMAIN - TYPICAL
- NEW OVERHEAD DOOR IN EXISTING OPENING. VIF SIZE OF DOOR.
- NEW INSULATED HM DOOR IN EXISTING HM FRAME. VIF SIZE OF DOOR.
- EXISTING FAN TO BE REMOVED. INFILL HOLE WITH TRANSLUCENT PANEL.
- EXISTING STANDPIPE RISER TO REMAIN.
- NEW FAN IN NEW OPENING IN METAL PANEL.
- NEW INSULATED HM DOOR IN NEW HM FRAME IN NEW OPENING IN METAL PANEL WALL.
- NEW OVERHEAD DOOR IN MODIFIED OPENING. INCREASE WIDTH OF EXISTING DOOR OPENING TO ACCOMMODATE NEW WIDER DOOR AS SPECIFIED IN THE DOOR SCHEDULE.
- EXISTING COILING DOOR TO REMAIN. NO WORK.

NOTE: SEAL ALL OPENINGS, GAPS, PENETRATIONS, AND JOINTS IN PARTITION TYPES AS FOLLOWS:

FIRE RATED PARTITIONS AND SMOKE BARRIERS: SEAL IN ACCORDANCE WITH THE REQUIREMENTS SPECIFIED IN THE DIVISION 07 SPECIFICATION SECTIONS FOR PENETRATION FIRESTOP SYSTEMS AND FIRE RESISTIVE JOINT SYSTEMS. REFER TO CODE COMPLIANCE DRAWINGS FOR LOCATIONS OF SMOKE BARRIERS.

PARTITIONS DESIGNED TO RESIST THE PASSAGE OF SMOKE, SEAL COMPLETELY WITH ELASTOMERIC SEALANT, FOR THE LOCATION AND EXTENT REFER TO CODE COMPLIANCE DRAWINGS.

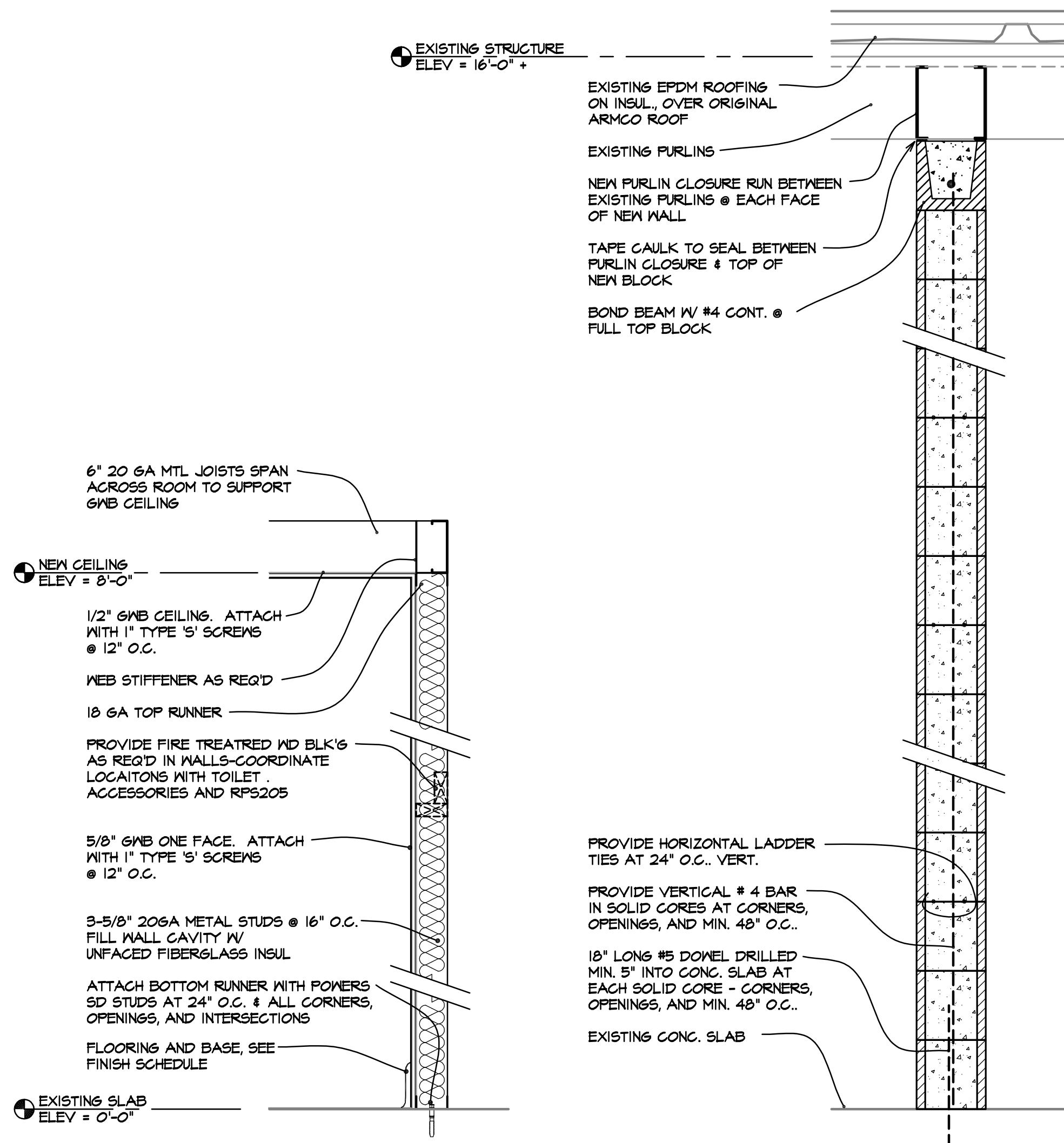
OTHER LOCATIONS: SEAL AS INDICATED AND REQUIRED ELSEWHERE BY THE CONTRACT DOCUMENTS.

FOR ALL NON-RATED PARTITIONS, CLOSE THE VOID BETWEEN PARTITION AND UNDERSIDE OF FLOOR OR ROOF DECK WITH MINERAL WOOL (SAFINS INSULATION) AND PROVIDE 1/2" DEEP NON-SAG ACOUSTICAL SEALANT, BEADED.

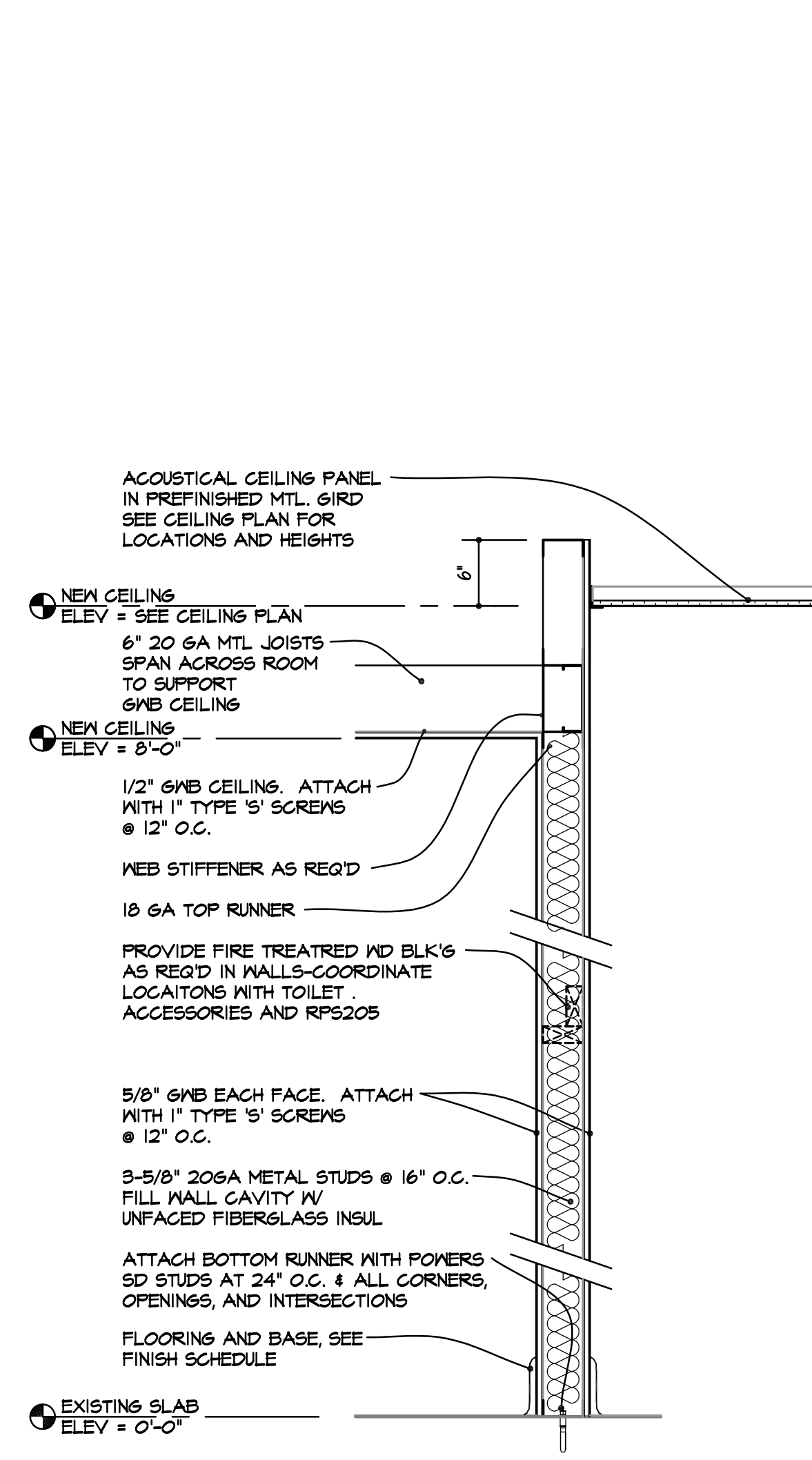
ALL GYPSUM BOARD PARTITIONS AT TOILETS AND OTHER "WET" WALLS TO BE WATER RESISTANT GWB. ALTERNATE FOR SCHLUTER SYSTEMS KERDI BOARD AT TILE WALLS.

## WALL TYPE SCHEDULE

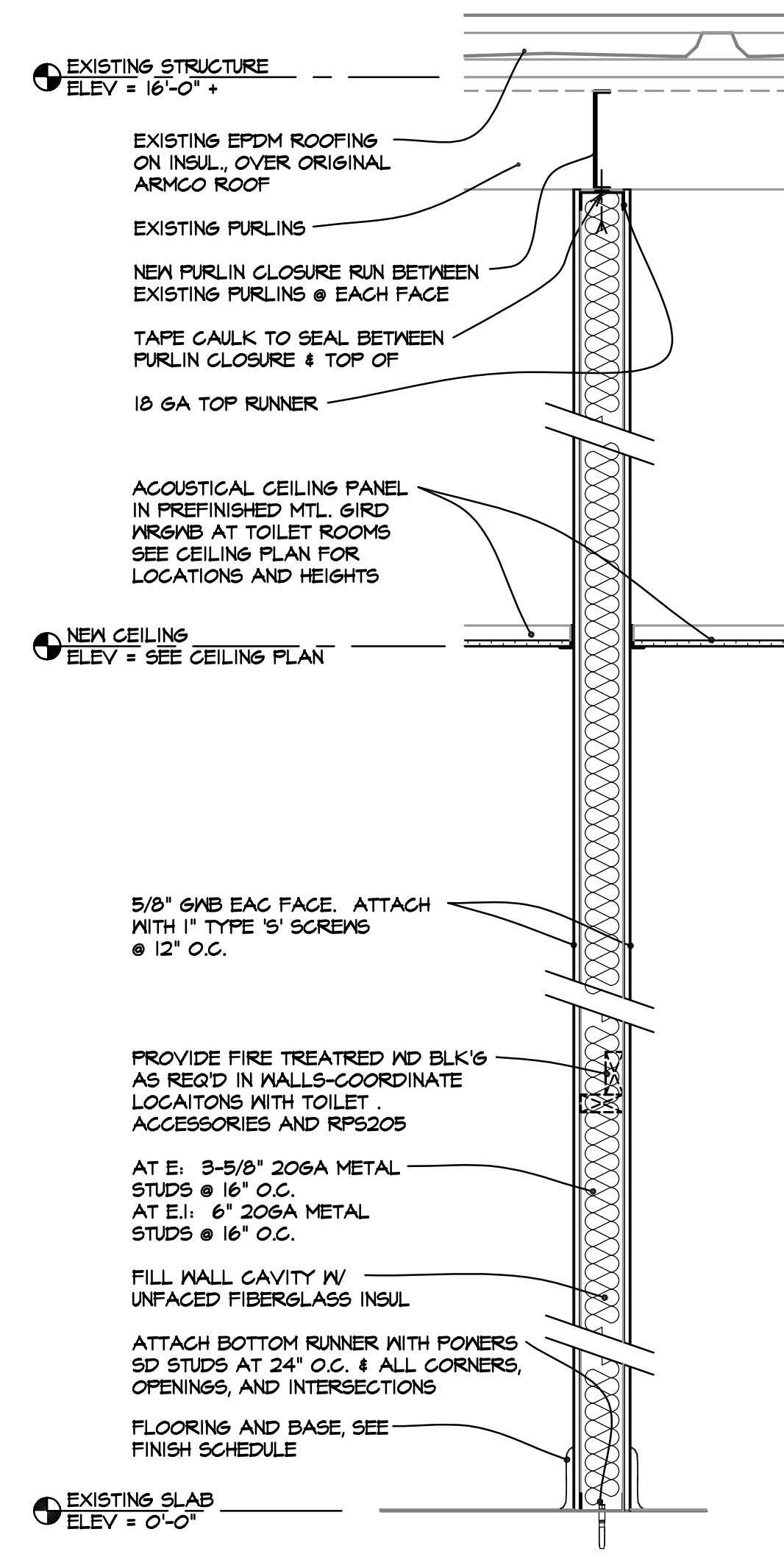
- A 5/8" GWB (NRGWB AT MET FACES) ON ONE FACE OF 3-5/8" 20GA METAL STUDS AT 16" O.C.. FILL WALL CAVITY WITH UNFACED FIBERGLASS INSULATION. SYSTEM TO RUN FROM FINISHED FLOOR TO 8'-0" AFF TO SUPPORT METAL JOISTS AND GWB CEILING ABOVE. FASTEN BOTTOM RUNNER TO EXISTING CONCRETE SLAB W/ POWERS 5/8" POWER STUD AT 24" O.C. MAX. ALL CORNERS, AND ALL OPENINGS. TOP RUNNER TO SUPPORT, AND BE ATTACHED TO, CEILING JOISTS.
- B NOT USED
- C 8" CONCRETE BLOCK WALL. WALL SYSTEM TO EXTEND FROM FINISHED FLOOR TO U.S. OF NEW PURLIN CLOSURES ABOVE. CUT/NOTCH AROUND MAJOR STRUCTURAL ELEMENTS. FILL CORES SOLID AT CORNERS, OPENINGS, AND MIN. 48" O.C. AND PROVIDE #4 VERT BAR. AT EACH OF THESE CORES, PROVIDE AN 8" LONG #5 DOVEL DRILLED INTO THE EXISTING SLAB AND EXTENDING 12" INTO THE SOLID CORE. PROVIDE BOND BEAM AT HIGHEST FULL BLOCK. PROVIDE SLIP JOINT WHERE WALL MEETS EXISTING DECK. INSULATION AND INFILL WITH COMPRESSIBLE FILLER.
- D 5/8" GWB (NRGWB ON MET FACES) ON EACH FACE OF 3-5/8" 20GA METAL STUDS AT 16" O.C.. FILL WALL CAVITY WITH UNFACED FIBERGLASS INSULATION FOR ACOUSTICS. SYSTEM TO RUN FROM FINISHED FLOOR TO 9'-6" AFF TO SUPPORT METAL JOISTS AND GWB CEILING ABOVE. FASTEN BOTTOM RUNNER TO EXISTING CONCRETE SLAB W/ POWERS 5/8" POWER STUD AT 24" O.C. MAX. ALL CORNERS, AND ALL OPENINGS. TOP RUNNER ATTACHED TO PURLIN CLOSURE ABOVE. BRACE WALL BACK TO STRUCTURE AT CORNERS, DOORS, AND MIN. 48" O.C.
- D1 SAME AS ABOVE, EXCEPT 6" 20GA METAL STUDS AT 16" O.C.. TO ACCOMMODATE PLUMBING IN WALL.
- E 5/8" GWB (NRGWB ON MET FACES) ON EACH FACE OF 3-5/8" 20GA METAL STUDS AT 16" O.C.. FILL WALL CAVITY WITH UNFACED FIBERGLASS INSULATION FOR ACOUSTICS. SYSTEM TO RUN FROM FINISHED FLOOR TO U.S. OF NEW PURLIN CLOSURES ABOVE. CUT/NOTCH GWB AROUND MAJOR STRUCTURAL ELEMENTS. FASTEN BOTTOM RUNNER TO EXISTING CONCRETE SLAB W/ POWERS 5/8" POWER STUD AT 24" O.C. MAX. ALL CORNERS, AND ALL OPENINGS. TOP RUNNER ATTACHED TO PURLIN CLOSURE ABOVE. BRACE WALL BACK TO STRUCTURE AT CORNERS, DOORS, AND MIN. 48" O.C.
- E1 SAME AS ABOVE EXCEPT 6" 20GA METAL STUDS AT 16" O.C.. TO ACCOMMODATE PLUMBING IN WALL.
- E2 SAME AS ABOVE, EXCEPT PROVIDE FRAMING SUCH THAT EACH FACE OF NEW GWB IS FLUSH WITH EXISTING WALL TO REMAIN. THIS CAN BE DONE WITH TWO PARALLEL ROWS OF STUDS, WITH FURRINS, OR WITH ADDITIONAL LAYERS OF GWB.
- F 5/8" GWB (NRGWB ON MET FACES) ON ROOM FACE OF 2" 20GA METAL STUDS AT 16" O.C.. EXTEND TO 6" ABOVE FINISHED SUSPENDED CEILING.
- F1 SAME AS ABOVE, EXCEPT 3-5/8" 20GA MTL STUDS @ 16" O.C., AND SYSTEM TO EXTEND TO 8'-0" TO SUPPORT GWB CEILING ABOVE. SIMILAR TO "A".
- G 5/8" GWB (NRGWB ON MET FACES) ON EACH FACE OF 3-5/8" 20GA METAL STUDS AT 16" O.C.. SYSTEM TO RUN FROM FINISHED FLOOR TO 6" ABOVE FINISHED SUSPENDED CEILING. FASTEN BOTTOM RUNNER TO EXISTING CONCRETE SLAB W/ POWERS 5/8" POWER STUD AT 24" O.C. MAX. ALL CORNERS, AND ALL OPENINGS. BRACE TOP OF WALL BACK TO STRUCTURE ABOVE AT CORNERS, DOORS, AND MIN. 48" O.C.
- H INFILL EXISTING OPENINGS WITH NEW METAL FRAMING AND GWB. NEW GWB IS FLUSH WITH EXISTING WALL TO REMAIN. THIS CAN BE DONE WITH TWO PARALLEL ROWS OF STUDS, WITH FURRINS, OR WITH ADDITIONAL LAYERS OF GWB.
- J PROVIDE NEW GWB OVER EXISTING WALL FOR FINAL FINISHED APPEARANCE. CONTRACTOR MAY DIRECT APPLY OR USE HAT CHANNEL FURRING FOR EVEN APPEARANCE OVER EXISTING SUBSTRATE. EXTEND GWB TO 6" ABOVE FINAL FINISHED SUSPENDED CEILING.
- K EXTEND EXISTING WALL TO U.S. OF DECK ABOVE FOR AIR-TIGHT SEAL FROM MAINT. AREA TO OFFICE AREA. DRYWALL TO BE TAPED, NO SANDING REQUIRED.
- L REPAIR/REPLACE EXISTING GWB WHERE MISSING AND/OR DAMAGED. THIS ROOM SHOULD BE FULLY SEPARATED AND AIRTIGHT FROM THE MAINT. AREA TO THE MECH/STORAGE ROOM. GWB TO BE TAPED AND SANDED.
- NOTE: MOST EXISTING WALLS ARE NOT TYPICAL 2X OR METAL STUD CONSTRUCTION WITH DRYWALL SHEETS. WALLS ARE WIRE "LADDERS" WITH 24" WIDE GYPSUM BOARD. CONTRACTOR TO FULLY EXAMINE WALLS TO BE REMOVED, REMODELED, AND REPAIR AND TAKE SUCH CONSTRUCTION INTO ACCOUNT IN THE BASE BID FOR THIS PROJECT. NO CHANGES WILL BE CONSIDERED RELATED TO THIS ATYPICAL CONSTRUCTION I



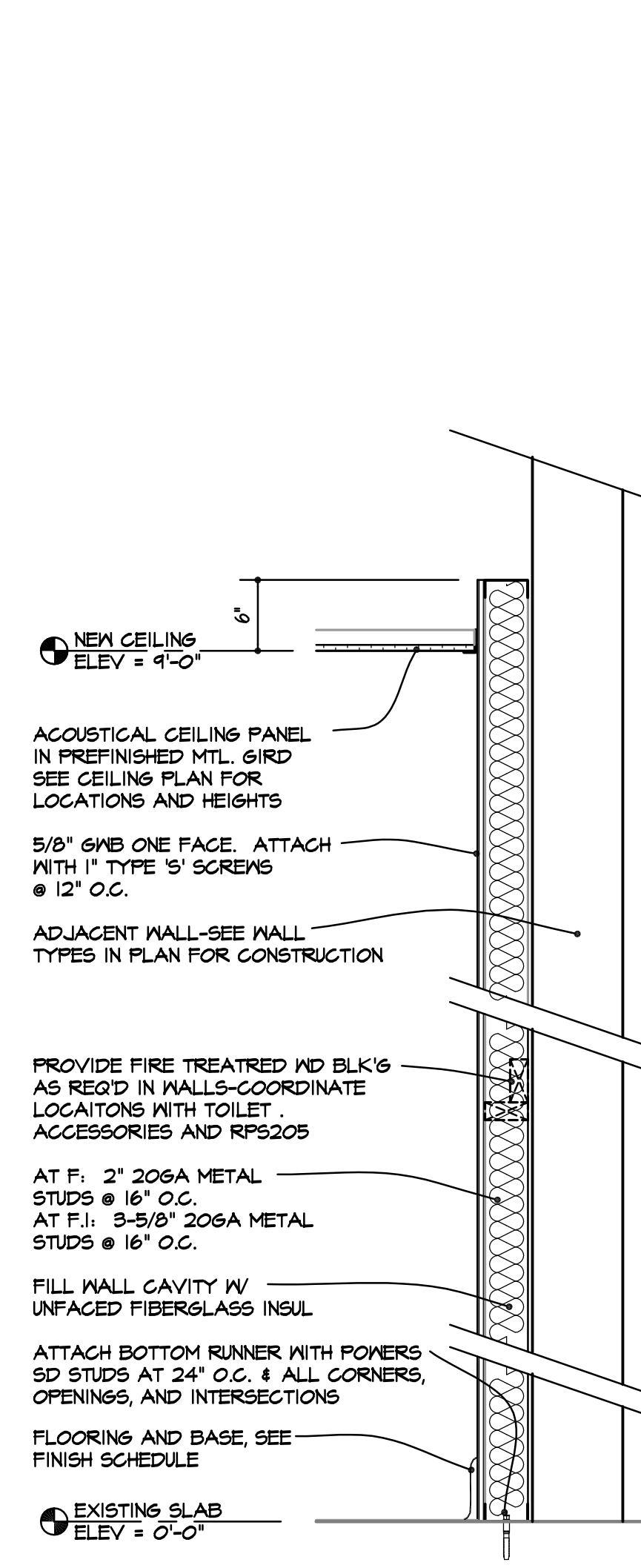
A



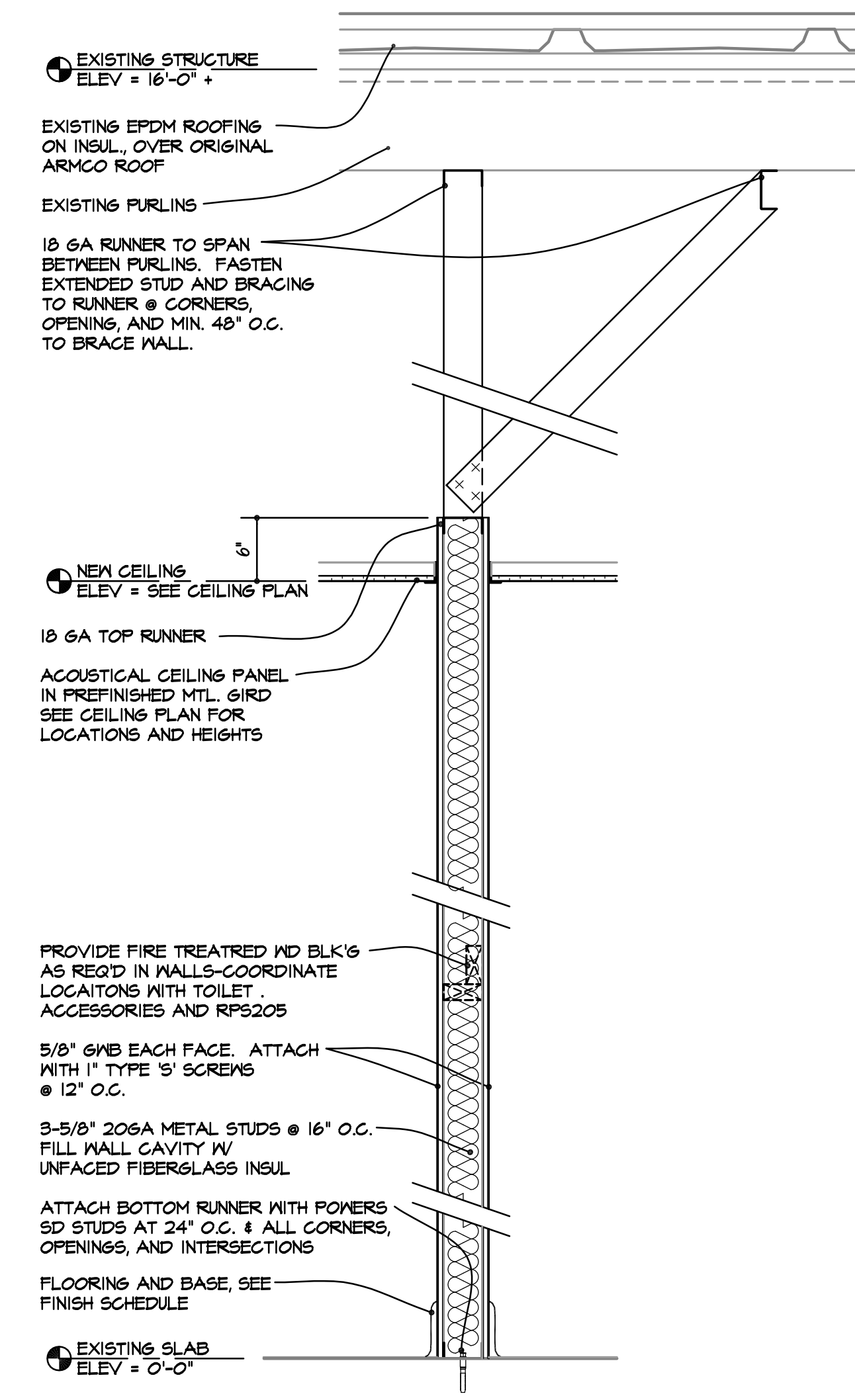
C



E



F



G

## WALL TYPE DETAILS

SCALE: 1" = 1'-0"

WALL TYPES

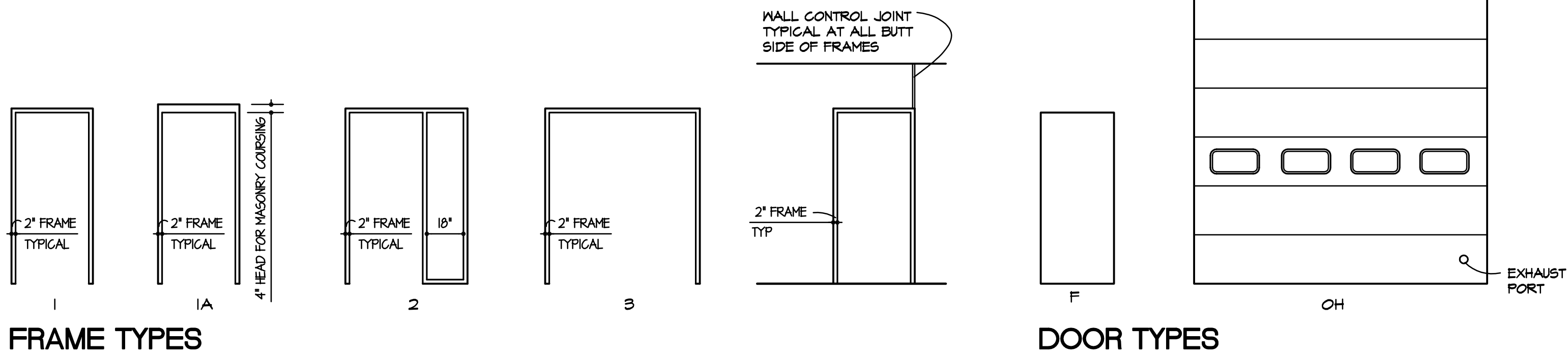
REV.

DRAWN  
BFA

DATE  
09-07-2022

PROJECT No.  
**1155**  
RPS #2212

SHEET No.  
**A4**



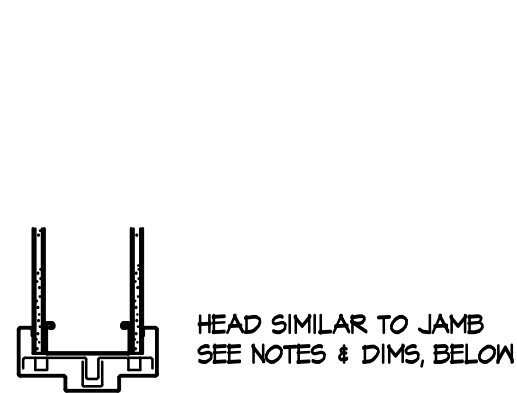
FRAME TYPES

DOOR TYPES

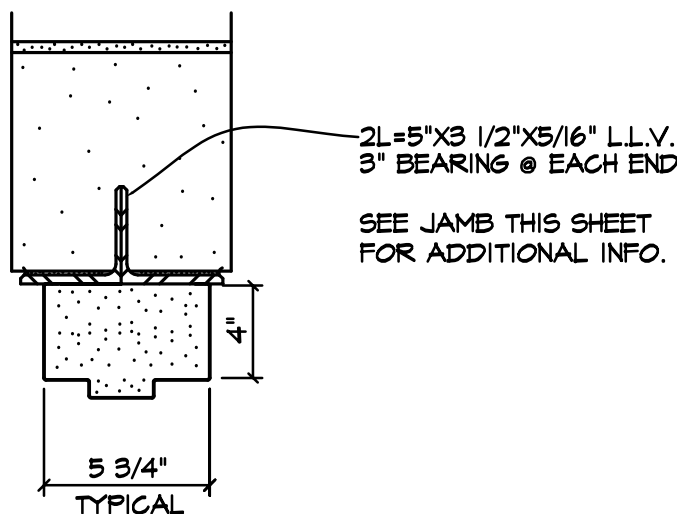
## 1 DOOR AND FRAME TYPES

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

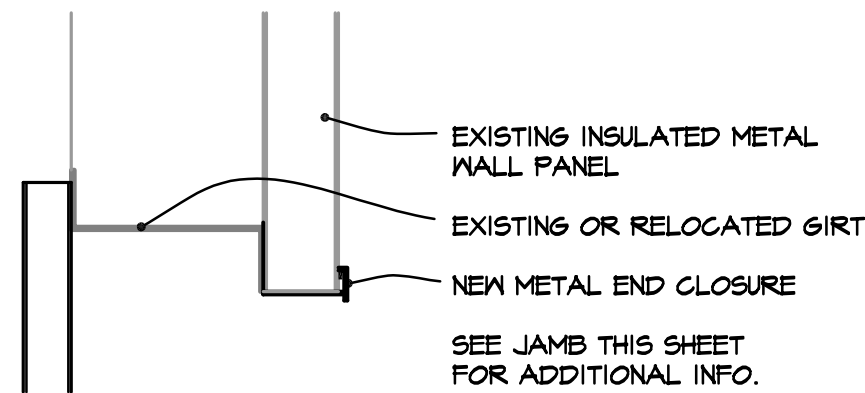
DRYTYPE



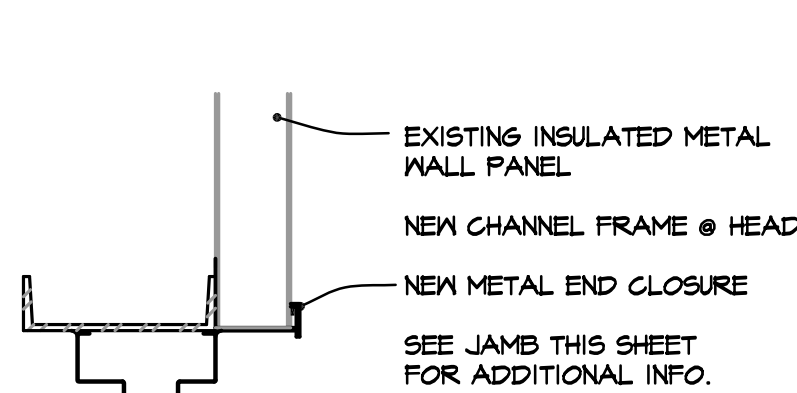
H1



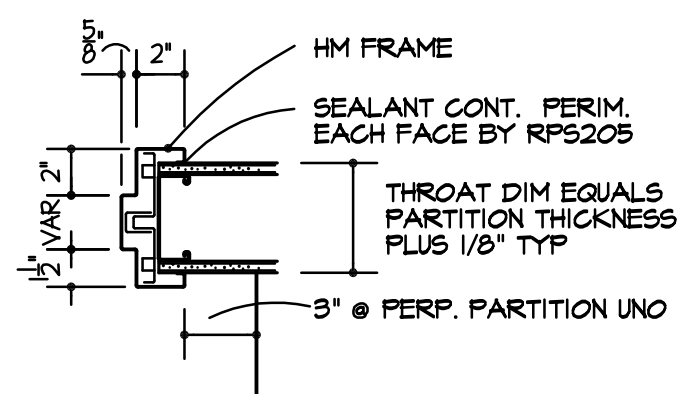
H2



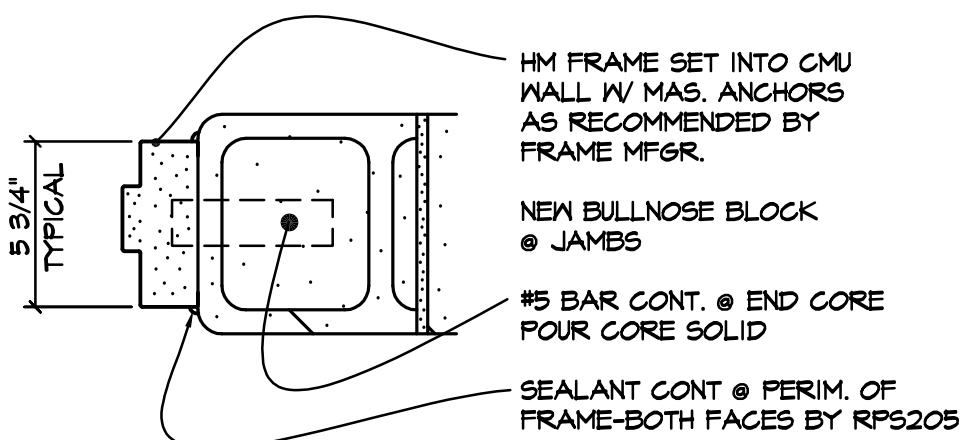
H3



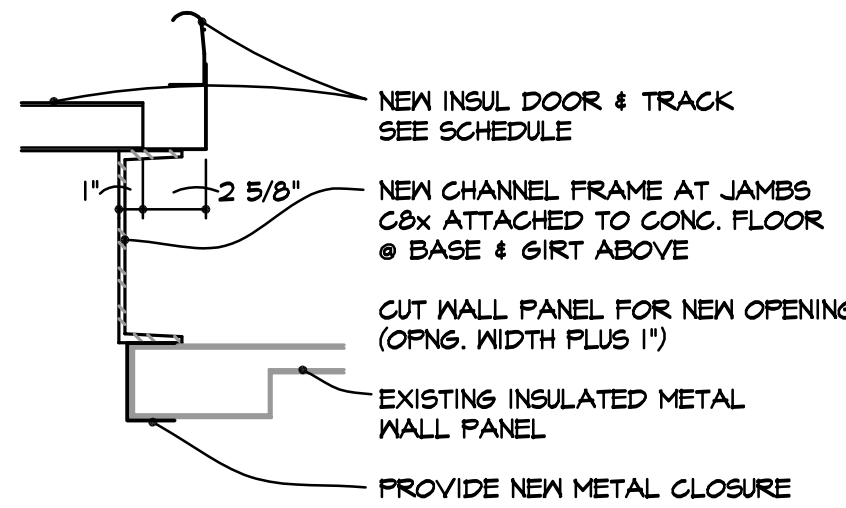
H4



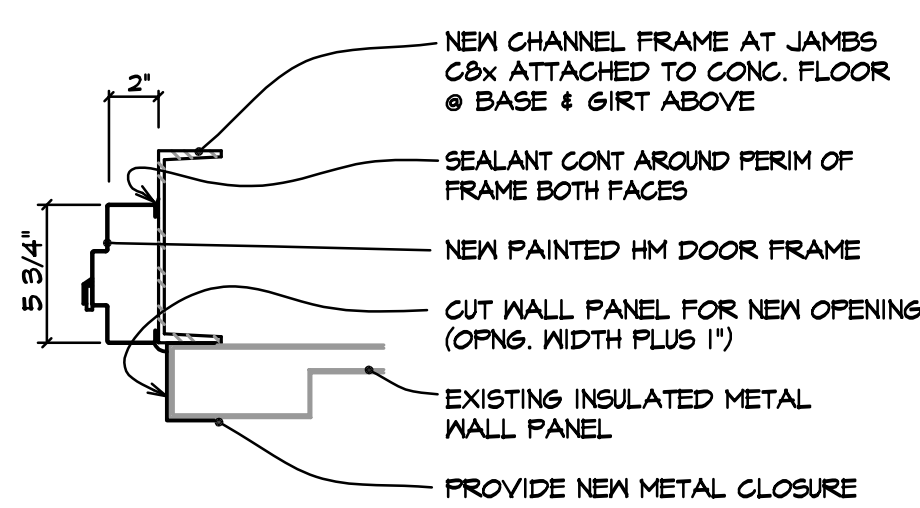
J1



J2



J3



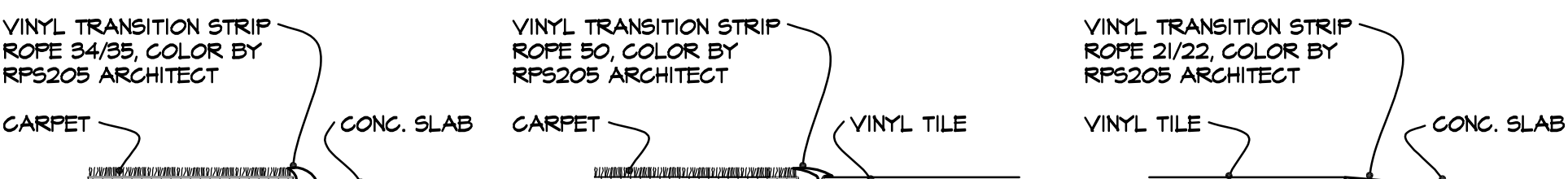
J4

NOTE:  
AT NEW EXTERIOR DOORS, CONTRACTOR TO PROVIDE NEW C-B CHANNEL OR NEW 146A METAL 'C' COLUMN AT EACH SIDE OF OPENING. DOOR POST TO HAVE 4X8/1 PLATE W/ (2) 3" HOLES AT TOP AND BOTTOM OF POST. ATTACH BOTTOM OF DOOR POST INTO CONCRETE WITH 1" EXPANSION ANCHORS SET IN EPOXY. ATTACH TOP OF DOOR POST TO UPPER FURLIN (AT 12'-0" W/ 1/4" BOLTS. AT 12' DOOR HEAD, EXISTING FURLIN WILL PROVIDE STRUCTURAL FOR ATTACHMENT OF WALL PANEL. AT WALK DOORS THIS CONTRACTOR SHALL PROVIDE NEW CHANNEL OR GIRT, BOLTED BETWEEN NEW DOOR POSTS, FOR ATTACHMENT OF WALL PANEL. THIS CONTRACTOR TO PROVIDE SHOP DRAWINGS SHOWING NEW MEMBERS, SIZES, HOLES, AND BOLTS/ATTACHMENTS.

## 2 JAMB AND HEAD DETAILS

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

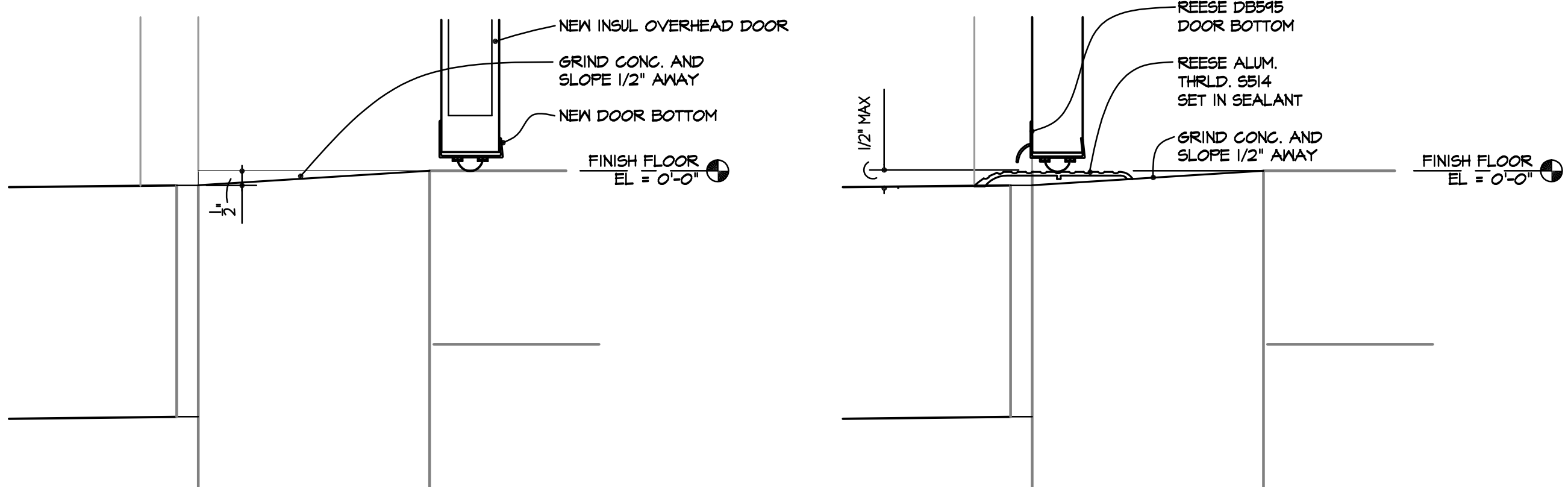
JAMBS AND HEADS



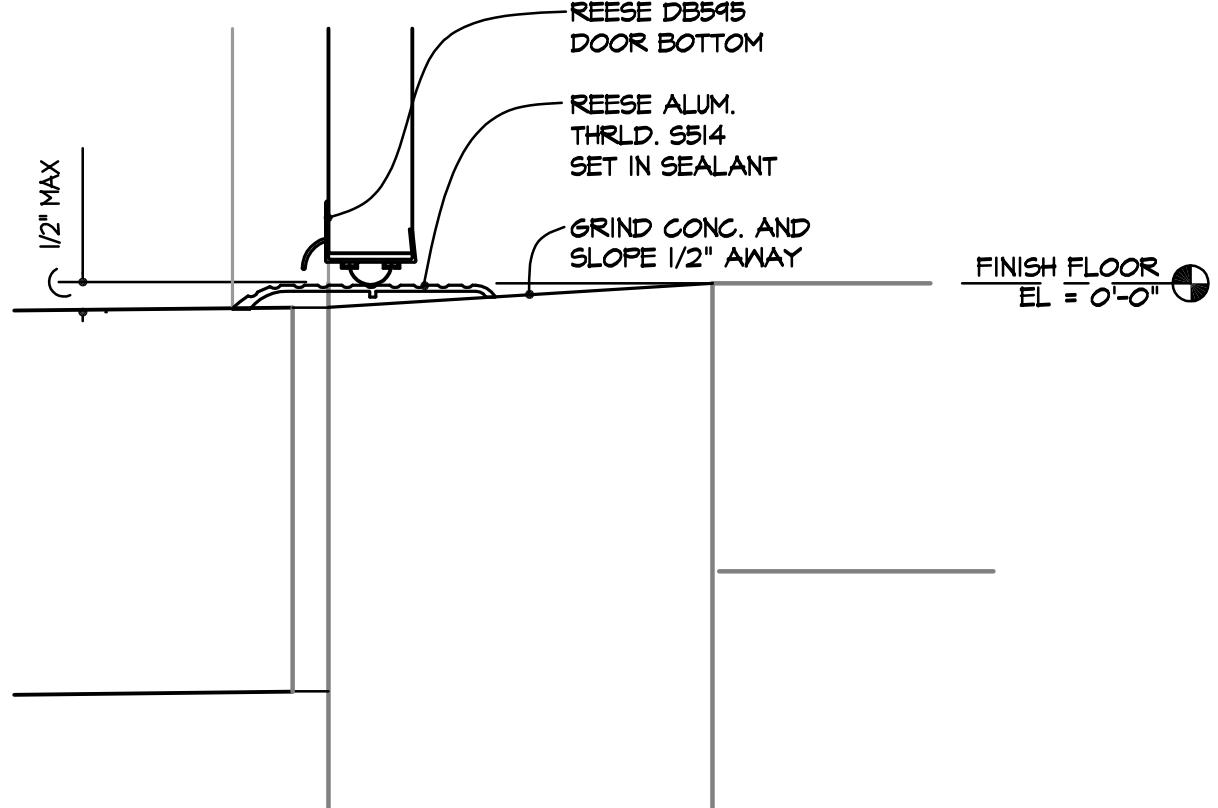
## 3 FLOORING TRANSITIONS

SCALE: 3" = 1'-0"

TRANSITIONS



T1



T2

## 4 THRESHOLD DETAILS

SCALE: 3" = 1'-0"

T1, T2

## 5 STOOP

SCALE: 3" = 1'-0"

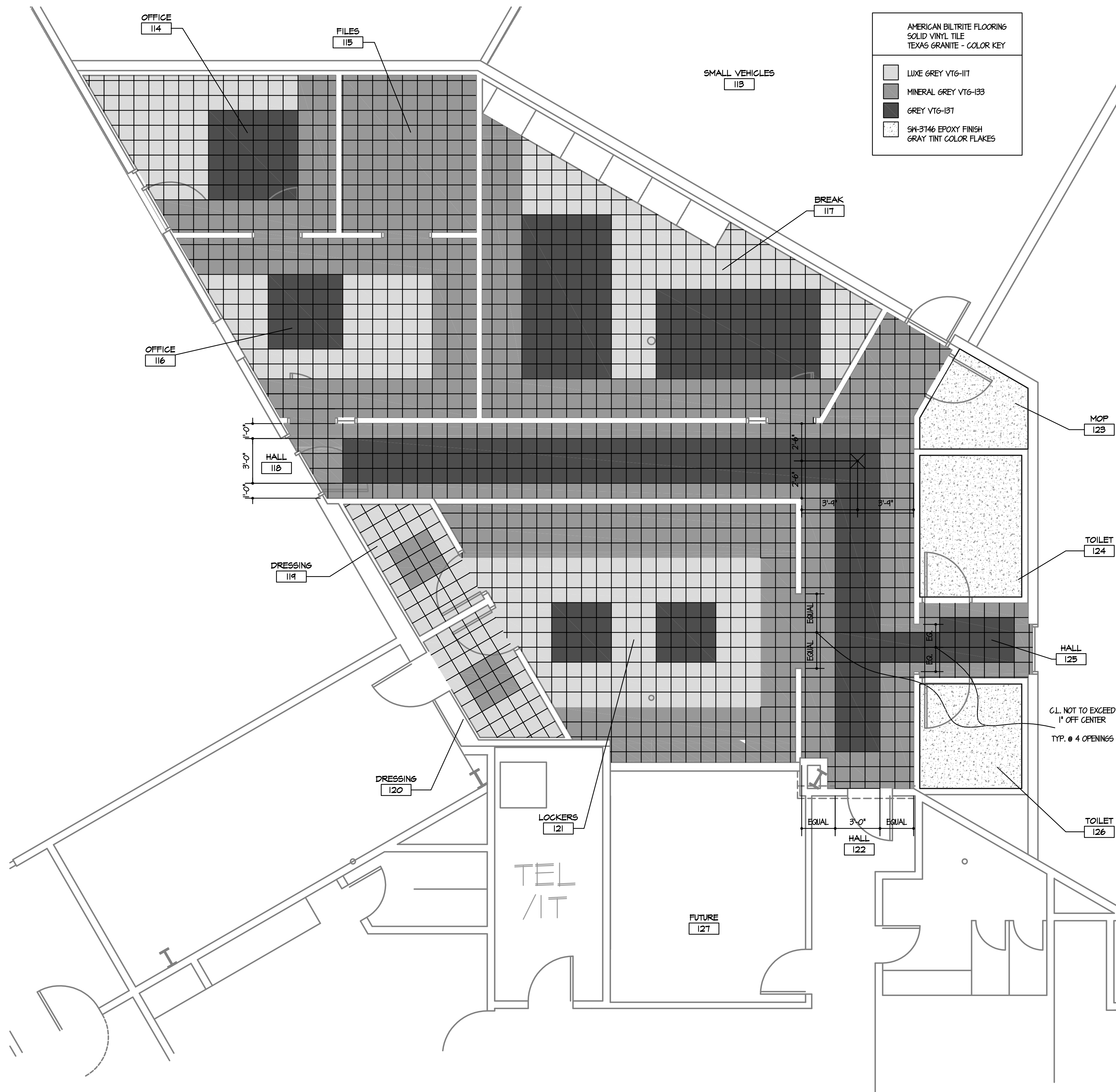


DOOR SCHEDULE																	
OPNG. NO.	DOOR							FRAME					OPENINGS		REMARKS		
	TYPE	MAT'L	PR	NOMINAL SIZE		THRLD DET.	GLS.	FINISH	TYPE	MAT'L	SECT JB	HD	GLS.	FINISH		FIRE RTG	HDYR SET
101	EXISTING	-	-	-	-	-	-	DP1/DP2	EXISTING	-	-	-	-	FP1/FP2	-	1	
102A	EXISTING	-	-	-	-	-	-	DP1/DP2	EXISTING	-	-	-	-	FP1/FP2	-	1	
102B	EXISTING	-	-	-	-	-	-	DP2	EXISTING	-	-	-	-	FP2	-	1	
102C	EXISTING	-	-	-	-	-	-	-	EXISTING	-	-	-	-	-	14	REMOVE POWER BUTTON FROM SHOP SIDE	
103	F	HM	-	3'-0"	T'-0"	H3/4"	-	-	DP2	1A	HM	J2	H2	-	FP2	-	2
104A	OH	STL	-	* 16'-0"	* 14'-0"	2'	-	1/8'DSB	PREFINISHED	EXISTING	-	-	-	-	FP1/FP2	-	3
104B	EXISTING	-	-	-	-	-	-	DP1/DP2	EXISTING	-	-	-	-	-	FP1/FP2	-	1
XXA	EXISTING	-	-	-	-	-	-	DP1/DP2	EXISTING	-	-	-	-	-	FP1/FP2	-	4
XXB	EXISTING	-	-	-	-	-	-	DP1/DP2	EXISTING	-	-	-	-	-	FP1/FP2	-	1
XXC	EXISTING	-	-	-	-	-	-	WFS	EXISTING	-	-	-	-	-	FP1/FP2	-	14
104C	OH	STL	-	14'-0"	12'-0"	2'	TI	1/8'DSB	PREFINISHED	CHANNEL	STL	J3	H3	-	FP1/FP2	-	3
104D	OH	STL	-	14'-0"	12'-0"	2'	TI	1/8'DSB	PREFINISHED	CHANNEL	STL	J3	H3	-	FP1/FP2	-	3
104E	OH	STL	-	14'-0"	12'-0"	2'	TI	1/8'DSB	PREFINISHED	CHANNEL	STL	J3	H3	-	FP1/FP2	-	3
104F	OH	STL	-	* 16'-0"	* 14'-0"	2'	TI	1/8'DSB	PREFINISHED	EXISTING	-	-	-	-	FP1/FP2	-	3
104G	F	HM	-	EXIST	EXIST	2'	T2	-	DP1/DP2	EXISTING	-	-	-	-	FP1/FP2	-	5
104H	OH	STL	-	14'-0"	12'-0"	2'	TI	1/8'DSB	PREFINISHED	CHANNEL	STL	J3	H3	-	FP1/FP2	-	3
104I	OH	STL	-	14'-0"	12'-0"	2'	TI	1/8'DSB	PREFINISHED	CHANNEL	STL	J3	H3	-	FP1/FP2	-	3
104J	EXISTING	-	-	-	-	-	-	DP1/DP2	EXISTING	-	-	-	-	-	FP1/FP2	-	1
104K	OH	STL	-	* 16'-0"	* 14'-0"	2'	-	1/8'DSB	PREFINISHED	EXISTING	-	-	-	-	FP1/FP2	-	3
105A	EXISTING	-	-	-	-	-	-	DP2	EXISTING	-	-	-	-	-	FP2	-	4
105B	EXISTING	-	-	-	-	-	-	DP2	EXISTING	-	-	-	-	-	FP2	-	4
105C	-	-	-	-	-	-	-	-	EXISTING	-	-	-	-	-	FP2	-	-
106A	OH	STL	-	16'-0"	14'-0"	2'	-	1/8'DSB	PREFINISHED	CHANNEL	STL	J3	H3	-	FP1/FP2	-	3
106B	F	HM	-	3'-0"	T'-0"	H3/4"	T2	-	DP1/DP2	I	HM	J4	H4	-	FP1/FP2	-	5
107A	F	HM	-	VIF	VIF	H3/4"	T2	-	DP1/DP2	EXISTING	-	-	-	-	FP1/FP2	-	5
107B	EXISTING	-	-	-	-	-	-	DP2	EXISTING	-	-	-	-	-	FP2	-	14
108A	F	HM	-	4'-0"	T'-0"	H3/4"	-	-	DP2	1A	HM	J2	H2	-	FP2	-	6
109	F	HM	-	3'-0"	T'-0"	H3/4"	-	-	DP2	I	HM	J1	H1	-	FP2	-	7
110A	F	HM	-	3'-0"	T'-0"	H3/4"	-	-	DP1/DP2	I	HM	J3/4	H3/4	-	FP1/FP2	-	1
111	F	HM	-	3'-0"	T'-0"	H3/4"	-	-	DP2	I	HM	J1	H1	-	FP2	-	2
112A	EXISTING	-	-	-	-	-	-	DP1/DP2	EXISTING	-	-	-	-	-	FP1/FP2	-	1
112B	EXISTING	-	-	-	-	-	-	-	EXISTING	-	-	-	-	-	FP1/FP2	-	14
112C	EXISTING	-	-	-	-	-	-	-	EXISTING	-	-	-	-	-	FP1/FP2	-	14
112D	F	HM	-	4'-0"	T'-0"	H3/4"	-	-	DP2	1A	HM	J2	H2	-	FP2	-	6
113	F	HM	-	3'-0"	T'-0"	H3/4"	-	-	DP2	1A	HM	J2	H2	-	FP2	-	9
114A	F	HM	-	3'-0"	T'-0"	H3/4"	-	-	DP2	2	HM	J1 S/4	H1 S/4	TEMP	FP2	-	10
114B	F	ND	-	3'-0"	T'-0"	H3/4"	-	-	DP3	I	HM	J1	H1	-	FP2	-	11
115	F	ND	-	3'-0"	T'-0"	H3/4"	-	-	DP3	I	HM	J1	H1	-	FP2	-	7
116	F	ND	-	3'-0"	T'-0"	H3/4"	-	-	DP3	2	HM	J1	H1	TEMP	FP2	-	11
117	F	ND	-	3'-0"	T'-0"	H3/4"	-	-	DP3	2	HM	J1	H1	TEMP	FP2	-	12
118	F	HM	-	3'-0"	T'-0"	H3/4"	-	-	DP2	2	HM	J1 S/4	H1 S/4	TEMP	FP2	-	9
119	F	ND	-	3'-0"	T'-0"	H3/4"	-	-	DP3	I	HM	J1	H1	-	FP2	-	13
120	F	ND	-	3'-0"	T'-0"	H3/4"	-	-	DP3	I	HM	J1	H1	-	FP2	-	13
123	F	ND	-	3'-0"	T'-0"	H3/4"	-	-	DP3	I	HM	J1	H1	-	FP2	-	7
124	F	ND	-	3'-0"	T'-0"	H3/4"	-	-	DP3	I	HM	J1	H1	-	FP2	-	2
125A	F	ND	-	3'-0"	T'-0"	H3/4"	-	-	DP3	I	HM	J1	H1	-	FP2	-	8
125B	F	HM	-	3'-0"	T'-0"	H3/4"	-	-	DP2	1A	HM	J1	H1	-	FP2	-	10
126	F	ND	-	3'-0"	T'-0"	H3/4"	-	-	DP3	I	HM	J1	H1	-	FP2	-	2
YY	EXISTING	-	-	-	-	-	-	-	DP2	EXISTING	-	-	-	-	FP2	-	-
ZZ	EXISTING	-	-	-	-	-	-	-	EXISTING	-	-	-	-	-	-	-	NO WORK

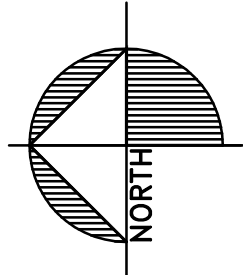
HARDWARE SCHEDULE																
HARDWARE SETS																
1 CLEAN AND LUBRICATE ALL EXISTING HARDWARE TO REMAIN. NOTIFY ARCHITECT AND RPS205 CONSTRUCTION MANAGER OF ANY BROKEN OR NON-WORKING HARDWARE. REPLACE KNOB/LOCKSET WITH LEVER HANDLE LOCKSET. (PANIC HARDWARE AT DOOR 101) TO REMAIN. PROVIDE NEW WEATHERSTRIP AND NEW DOOR BOTTOM/DOOR SNEEP. PROVIDE TRANSITION STRIP AT 102B. PROVIDE DOOR ALARM AT 101, X0B, AND 104J.																
2 1-1/2 PR BUTTS LEVER HANDLE PRIVACY SET CLOSER (NO HOLD-OPEN) STOP (WALL OR FLOOR AS APPLICABLE) WEATHERSTRIP FLOOR TRANSITION AT 103, 124, & 126																
3 ALL BY DOOR SUPPLIER. BB ROLLERS, TRACK, SHAFT, SPRING(S), HINGES, BOTTOM SEAL, SECTION JOINTS, JAMB SEALS, AND MOTORIZED OPERATOR																
4 CLEAN AND LUBRICATE ALL EXISTING HARDWARE TO REMAIN. NOTIFY ARCHITECT AND RPS205 CONSTRUCTION MANAGER OF ANY BROKEN OR NON-WORKING HARDWARE. REPLACE EXISTING KNOB AND LOCKSET WITH NEW LEVER HANDLE PASSAGE SET.																
5 CONTINUOUS GEAR HINGE LEVER HANDLE EGRESS SET ELECTRONIC CARD READER AND RECESSED ELECTRONIC LATCH @ 104G & 110A CLOSER (W/ HOLD-OPEN) WEATHERSTRIP ACCESSIBLE THRESHOLD DOOR BOTTOM ALARM BY RPS205																
6 CONTINUOUS GEAR HINGE LEVER HANDLE STOREROOM SET W/ KNURLING CLOSER (NO HOLD-OPEN) STOP (WALL OR FLOOR AS APPLICABLE) WEATHERSTRIP FOR SOUND CONTROL																
7 1-1/2 PR BUTTS LEVER HANDLE STOREROOM SET STOP (WALL OR FLOOR AS APPLICABLE)																
8 1-1/2 PR BUTTS LEVER HANDLE STOREROOM SET CLOSER (W/ HOLD-OPEN) STOP (WALL OR FLOOR AS APPLICABLE) FLOOR TRANSITION AT 102B																
9 1-1/2 PR BUTTS LEVER HANDLE PASSAGE SET CLOSER (NO HOLD-OPEN) STOP (WALL OR FLOOR AS APPLICABLE) WEATHERSTRIP DOOR BOTTOM ACCESSIBLE THRESHOLD																
10 1-1/2 PR BUTTS LEVER HANDLE OFFICE SET STOP (WALL OR FLOOR AS APPLICABLE) WEATHERSTRIP DOOR BOTTOM ACCESSIBLE THRESHOLD																
11 1-1/2 PR BUTTS LEVER HANDLE OFFICE SET STOP (WALL OR FLOOR AS APPLICABLE) WEATHERSTRIP FOR SOUND CONTROL																
12 1-1/2 PR BUTTS LEVER HANDLE PASSAGE SET CLOSER (W/ HOLD-OPEN) STOP (WALL OR FLOOR AS APPLICABLE)																
13 1-1/2 PR BUTTS LEVER HANDLE PRIVACY SET STOP (WALL OR FLOOR AS APPLICABLE)																
14 EXISTING OVER-HEAD DOOR TO REMAIN. CLEAN AND LUBRICATE ALL EXISTING HARDWARE TO REMAIN. NOTIFY ARCHITECT AND RPS205 CONSTRUCTION MANAGER OF ANY BROKEN OR NON-WORKING HARDWARE																
GLAZING INSUL 1/2" INSULATED GLASS UNIT TEMP 1/4" CLEAR TINTED GLASS DSB 1/8" INSULATED DOUBLE STRENGTH UNIT																
DOOR AND FRAME FINISHES DP1 HM DOOR GLOSS ACRYLIC LATEX EXTERIOR SHERWIN WILLIAMS 1018 DOVE-TAIL DP2 HM DOOR GLOSS ACRYLIC LATEX INTERIOR SHERWIN WILLIAMS 1018 DOVE-TAIL DP3 PRE-FINISHED MAPLE CLEAR COAT. PREFINISHED FP1 HM FRAME EXTERIOR GLOSS ACRYLIC LATEX SHERWIN WILLIAMS 1018 DOVE-TAIL FP2 HM FRAME INTERIOR GLOSS ACRYLIC LATEX SHERWIN WILLIAMS 1018 DOVE-TAIL FP3 SEMI-GLOSS LATEX SHERWIN WILLIAMS 1007 BRIGHT WHITE																
HARDWARE FINISHES ALL NEW HARDWARE TO BE CLEAR ANODIZED																
HARDWARE HARDWARE INDICATED BELOW IS TO "BID EQUAL". THE USE OF SPECIFIC SUPPLIERS IS ONLY TO INDICATE THE INTENDED APPEARANCE, FINISH AND QUALITY. ALL SUBSTITUTIONS SHALL BE AS APPROVED BY RPS205 AND MEET RPS205 STANDARDS FOR ON-GOING MAINTENANCE AND REPAIR.																
CONTINUOUS GEAR HINGE ROTON 180-112HD																
POWER TRANSFER VON DUPRIN EPT-10																
LEVER HANDLE SARGENT 10-LINE LEVER HANDLE 1" LEVER AND ROSE																
CYLINDERS SARGENT 34 SERIES FOR RM SARGENT 41 SERIES FOR HORTICE																
KEYWAY SARGENT 5 (NO SUBSTITUTES) WITH BLANK CYLINDERS WITH TWO (2) BLANK KEYS																
DOOR ALARM DETEX EAX-2500																
ELECTRONIC LATCH ASSY ABLOY 1600-C2-630																
CLOSER NORTON PR 1500 W/ X POA PLATE X BLADE STOP AS REQ'D																
WEATHERSTRIP REESE DST1																
DOOR DS06B/BOTTOM REESE DS06B, FINERED VINYL																
THRESHOLD REESE 554																
AT CREDENTIAL READER DEVICE IS TO RETRACT THE LATCH OF THE ELECTRIC EXIT DEVICE ALLOWING THE DOOR TO BE OPENED. IMMEDIATE EGRESS IS ALWAYS AVAILABLE. KEYS INGRESS ONLY WHEN NOTED. CONTINUOUS HINGE OF THE DOOR LEAF WITH ELECTRIC EXIT DEVICE SHALL BE PREPARED TO RECEIVE POWER TRANSFER. SURFACE MOUNT LATCHES ARE NOT ACCEPTABLE.																
ALL OH & WALK DOORS TO HAVE NEW OR EXISTING DOOR CONTRACTOR SENSORS.																

NOTE: THE PERPENDICULAR HALLS SHALL CONTROL THE VERTICAL AND HORIZONTAL LAYOUT OF THE TILE AS SHOWN ON THE PLAN. YELLOW 3'-0" WIDE FIELD TO BE CENTERED IN THE WIDTH OF HALLS 110 & 122.

CONTINUE ALIGNMENT OF VTG-183 MINERAL GRAY TILE JOINTS THROUGH OPENINGS TO FIRST ADJACENT ROOMS. TILE AT EACH OPENING SHOULD "APPEAR" TO BE CENTERED IN THE OPENING. TOLERANCE NOT TO EXCEED 1" OFF CENTER.



1 FLOOR FINISH PLAN  
SCALE: 1/4" = 1'-0"



AMERICAN BILTTRITE FLOORING  
SOLID VINYL TILE  
TEXAS GRANITE - COLOR KEY

LUXE GREY VTG-117  
MINERAL GREY VTG-183  
GREY VTG-181  
SN-3146 EPOXY FINISH  
GRAY TINT COLOR FLAKES

## ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR		WALLS										CEILING			REMARKS	ROOM NO.
				NORTH				SOUTH				EAST						
		MATL	BASE	MATERIAL	FIN.	MATERIAL	FIN.	MATERIAL	FIN.	MATERIAL	FIN.	MATERIAL	FIN.	HGT.				
101	SHOP TOOLS	NOTE 5	RUB	OPEN	-	XGMB	MP1	XGMB	MP1	XGMB	MP1	XACT	-	13' EXISTING		101		
102	PARTS	NOTE 5	RUB	XGMB	MP1	OPEN	-	XGMB	MP1	XGMB	MP1	XACT	-	13' + EXISTING		102		
103	TOILET	EPOXY	6" RUB / MTI	NRGMB	MTI	XGMB	MTI	NRGMB	MTI	XGMB	MP2	NRGMB	CP1	8'-0"	NOTE 1 AND 2	103		
104	MAINTENANCE	S.CONC	RUB	XCMU	XMTL	MP3/CP2	XGMB	MP3/CP2	NOTE 6	XCMU	MP3/CP2	XMTL	MP3/CP2	EXPOSED NOTE 4	CP2	104		
105	BODY SHOP BENCHES	S.CONC	RUB	NRGMB	MP3/CP2	XGMB	MP3/CP2	NOTE 6	XGMB	MP3/CP2	CMU	MP3/CP2	CP2	16' + EXISTING	WALL PAINT UP TO 12' CEILING PAINT DOWN TO 12'	105		
106	BODY SHOP REPAIR	S.CONC	RUB	NRGMB	MP3/CP2	PAINT BOOTH	-	XMTL	MP3/CP2	OPEN	-	EXPOSED NOTE 4	CP2	16' + EXISTING	WALL PAINT UP TO 12' CEILING PAINT DOWN TO 12'	106		
107	BODY SHOP PARTS	S.CONC	RUB	PAINT BOOTH	-	XGMB	MP3/CP2	XMTL	MP3/CP2	CMU	MP3/CP2	GMB	MP3/CP2	EXPOSED NOTE 4	CP2	107		
108	UTILITY	S.CONC	RUB	CMU	MP3/CP2	NRGMB	MP3/CP2	CMU	MP3/CP2	XMTL	MP3/CP2	MP3/CP2	CP2	16' + EXISTING	WALL PAINT UP TO 12' CEILING PAINT DOWN TO 12'	108		
109	MOP	EPOXY	6" RUB	NRGMB	MP2/CP2	NRGMB	MP2/CP2	XMTL	MP2/CP2	NRGMB	MP2/CP2	EXPOSED NOTE 4	CP2	16' + EXISTING	WALL PAINT UP TO 12' CEILING PAINT DOWN TO 12'	109		
110	VESTIBULE	EPOXY	6" RUB	NRGMB	MP2/CP2	NRGMB	MP2/CP2	XMTL	MP2/CP2	CMU	MP2/CP2	EXPOSED NOTE 4	CP2	16' + EXISTING	WALL PAINT UP TO 12' CEILING PAINT DOWN TO 12'	110		
111	TOILET	EPOXY	6" RUB / MTI	NRGMB	MTI	NRGMB	MP2	NRGMB	MP2	NRGMB	MTI	NRGMB	CP1	8'-0"	NOTE 1 AND 2	111		
112	BUS LUBE	CONC	RUB	XGMB	MP3/CP2	NOTE 6	CMU	MP3/CP2	XMTL	MP3/CP2	OPEN	-	EXPOSED NOTE 4	CP2	16' + EXISTING	WALL PAINT UP TO 12' CEILING PAINT DOWN TO 12'	112	
113	SMALL VEHICLES	CONC	RUB	XGMB	MP3/CP2	NOTE 6	CMU	MP3/CP2	OPEN	-	CMU	MP3/CP2	EXPOSED NOTE 4	CP2	16' + EXISTING	WALL PAINT UP TO 12' CEILING PAINT DOWN TO 12'	113	
114	OFFICE	SVT	RUB	GMB	MP1	GMB	MP5	GMB	MP1	GMB	MP1	GMB	MP1	ACT2	-	9'-0"	114	
115	FILES	SVT	RUB	GMB	MP1	GMB	MP1	GMB	MP1	GMB	MP1	GMB	MP1	ACT2	-	9'-0"	115	
116	OFFICE	SVT	RUB	GMB	MP1	GMB	MP5	GMB	MP1	GMB	MP1	GMB	MP1	ACT2	-	9'-0"	116	
117	BREAK	SVT	RUB	GMB	MP4	GMB	MP1	GMB	MP1	GMB	MP1	GMB	MP1	ACT2	-	10'-0"	117	
118	HALL	SVT	RUB	GMB	MP1	GMB	MP1	GMB	MP1	GMB	MP1	GMB	MP1	ACT2	-	9'-0"	118	
119	DRESSING	SVT	RUB	GMB	MP1	GMB	MP1	GMB	MP1	GMB	MP1	GMB	CP1	8'-0"		119		
120	DRESSINGS	SVT	RUB	GMB	MP1	GMB	MP1	GMB	MP1	GMB	MP1	GMB	CP1	8'-0"		120		
121	LOCKERS	SVT	RUB	GMB	MP1	GMB	MP4	GMB	MP1	GMB	MP1	GMB	MP1	ACT2	-	10'-0"	121	
122	HALL	SVT	RUB	GMB	MP1	GMB	MP4	NRGMB	MP4	GMB	MP1	GMB	MP1	ACT2	-	9'-0"	MP4 AT SINK WALL 122	
123	MOP	EPOXY	6" RUB	NRGMB	MP2/CP2	CMU	MP2/CP2	CMU	MP2/CP2	NRGMB	MP2/CP2	EXPOSED NOTE 4	CP2	16' + EXISTING	WALL PAINT UP TO 12' CEILING PAINT DOWN TO 12'	123		
124	TOILET	EPOXY	6" RUB / MTI	NRGMB	MP2	NRGMB	MTI	NRGMB	MTI	NRGMB	MP2	NRGMB	CP1	8'-0"	NOTE 1 AND 2	124		
125	HALL	SVT	RUB	GMB	MP1	GMB	MP1	GMB	MP1	GMB	MP1	GMB	MP1	ACT2	-	9'-0"	125	
126	TOILET	EPOXY	6" RUB / MTI	NRGMB	MP2	NRGMB	MTI	NRGMB	MP2	NRGMB	MTI	NRGMB	CP1	8'-0"	NOTE 1 AND 2	126		
127	FUTURE	EXISTING	RUB	EXISTING	-	EXISTING	-	GMB	MP1	EXISTING	-	EXISTING	-	EXISTING		127		
128	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	128		
129	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	129		
130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	130		
131	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	131		

X - EXISTING - PATCH / REPAIR AND CLEAN, OR PATCH / REPAIR AND PREP. EXISTING FINISH TO REMAIN IN CONDITION ACCEPTABLE TO RPS205 PROJECT MANAGER AND AHI.

NOTE 1: BASE AT TOILET ROOMS TO BE NON-POROUS, 6" HIGH, SANITARY COVERED BASE, AT GMB/PAINTED WALLS.  
NOTE 2: WALLS AND CEILINGS AT TOILET ROOMS TO BE MOISTURE RESISTANT, SCRUBBABLE FINISH.  
NOTE 3: PROVIDE WATER RESIST, GMB AT WET AREAS OF BREAK ROOMS, UTILITY ROOMS, & TOILETS. COVER WITH MOISTURE RESISTANT FINISH.  
NOTE 4: CLEAN/SANDBLAST EXPOSED STEEL BEAMS, JOISTS, INSULATION, AND DECKING ABOVE. SEAL, IF NECESSARY DUE TO EXCESSIVE STAINING & TO PREVENT RUSTING.  
NOTE 5: BASE BID, NEW EPOXY COATING AND NEW BASE. ALTERNATE A1: SHOT BLAST AND REMOVE EXISTING EPOXY, SEAL CONCRETE, AND NEW BASE.  
NOTE 6: PAINT STONE MAISCOAT, AND WOOD RAIL ABOVE, TO REMAIN GLOSS ACRYLIC LATEX SHERWIN WILLIAMS 1018 DOVETAIL.

DOOR AND FRAME FINISHES  
DPI HM DOOR GLOSS ACRYLIC LATEX EXTERIOR SHERWIN WILLIAMS 1018 DOVETAIL  
DP2 HM DOOR GLOSS ACRYLIC LATEX INTERIOR SHERWIN WILLIAMS 1018 DOVETAIL  
DP3 PRE-FINISHED MAPLE CLEAR COAT.  
FPI HM FRAME EXTERIOR GLOSS ACRYLIC LATEX SHERWIN WILLIAMS 1018 DOVETAIL  
FP2 HM FRAME INTERIOR GLOSS ACRYLIC LATEX SHERWIN WILLIAMS 1018 DOVETAIL  
FP3 SEMI-GLOSS LATEX SHERWIN WILLIAMS 1001 BRIGHT WHITE  
PAINT ALL INTERIOR WINDOW FRAMES TO REMAIN (WOOD AND METAL) WITH FP2  
ALUM PRE-FINISHED, CLEAR, ANODIZED ALUM.

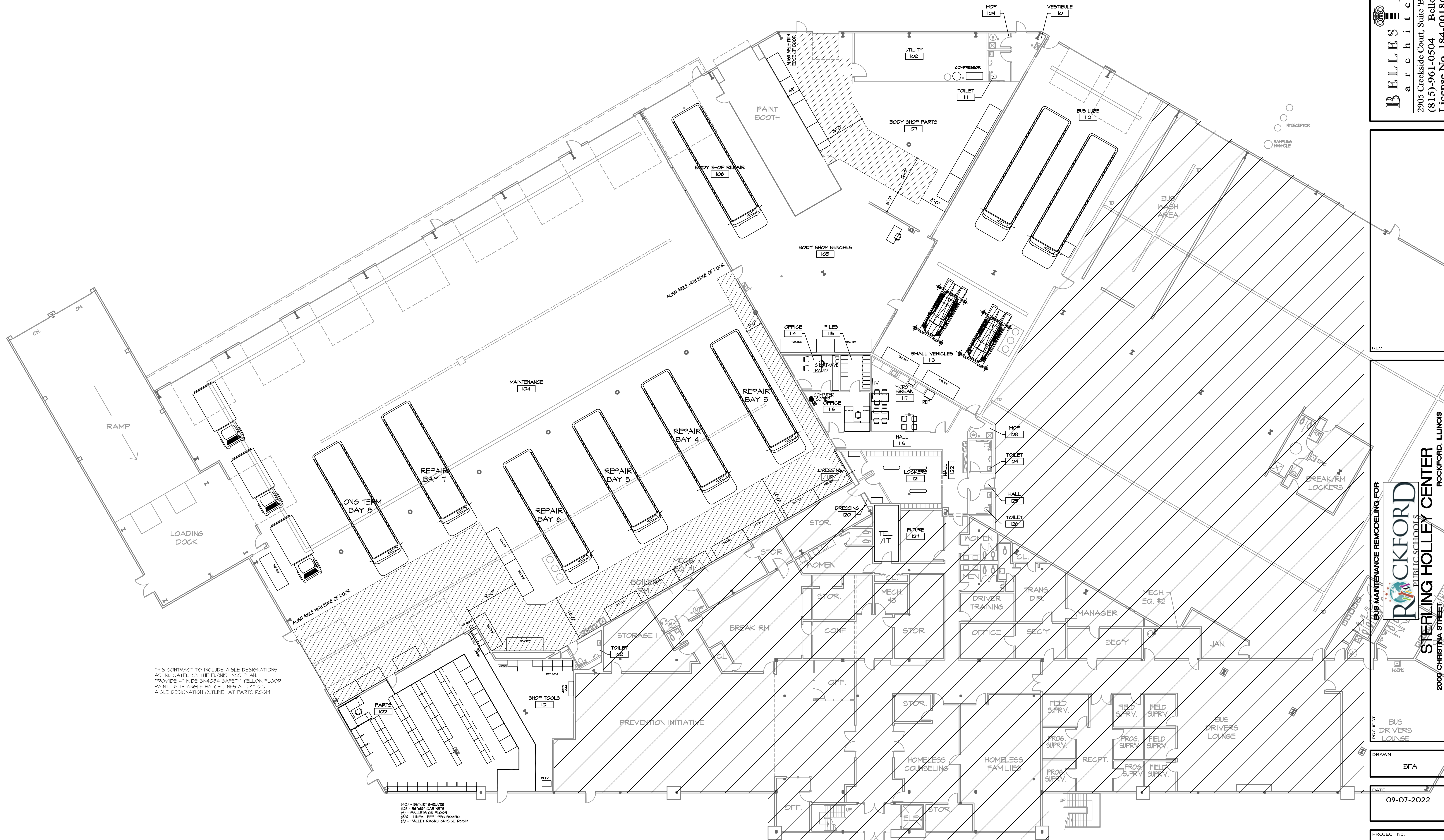
HARDWARE FINISHES  
ALL NEW HARDWARE TO BE SATIN CHROME

FLOORING FINISHES  
CONC BARE CLEANED CONCRETE  
S.CONC SHOT BLAST EXISTING CONCRETE AND PROVIDE NEW CLEAR SEALER  
EPOXY SHERWIN WILLIAMS GENERAL POLYMERS 3146 GREY TINT COLOR FLAKES. ARMOR SEAL REXTHANE TOPCOAT  
SVT AMERICAN BILTTRITE, TEXAS GRANITE, SOLID VINYL SEE FLOOR FINISH PLAN, THIS SHEET, FOR COLORS AND PLACEMENT  
RUB STANDARD 4" RUBBER COVE BASE JOHNSONITE 32 PEBBLE  
6" RUB 6" RUBBER COVE BASE JOHNSONITE 32 PEBBLE AT PAINTED WALLS  
MTI AT WALL TILE, PROVIDE SCHLUTER SYSTEMS DILEX-AHKA 0375-IN W X 48.5-IN L SATIN NICKEL ALUMINUM COVE BASE TILE EDGE TRIM  
PAINT AISLE DESIGNATIONS, AS INDICATED ON THE FURNISHINGS PLAN, WITH 4" WIDE SH4084 SAFETY YELLOW FLOOR PAINT.

WALL AND FINISHES  
CMU CONCRETE MASONRY UNIT  
GMB GYPSUM WALL BOARD  
NRGMB WATER RESISTANCE GMB FOR WET AREAS  
MTL METAL PANEL  
MP1 EGGSHELL LATEX COLOR SHERWIN WILLIAMS 1015 REPOSE GRAY  
MP2 EGGSHELL PRE-CATALYZED WATER BASED EPOXY 1015 REPOSE GRAY  
MP3 SEMI-GLOSS LATEX COLOR SHERWIN WILLIAMS 1015 REPOSE GRAY FROM FLOOR TO 12'-0" AFF/TOP 6IRT (MEETS CEILING PAINT AT 12')  
MP4 EGGSHELL LATEX COLOR SHERWIN WILLIAMS 6804 COLOR DIGNITY BLUE  
MP5 EGGSHELL LATEX COLOR SHERWIN WILLIAMS 1018 COLOR DOVETAIL  
MTI WHITE 3"x6" SUBWAY TILE EQUAL TO DAL TILE VITRUVIAN VV10, GLOSSY WHITE

CEILING AND FINISHES  
GMB GYPSUM WALL BOARD  
NRGMB WATER RESISTANT GYPSUM WALL BOARD  
EXPOSED NO CEILING, EXPOSED CONSTRUCTION  
ACT1 NEW 2x2 ARMSTRONG FINE FIGURED 1732, TESULAR EDGE, WHITE TILE IN EXISTING GRID, WHITE.  
ACT2 NEW 2x2 ARMSTRONG FINE FIGURED 1732, TESULAR EDGE, WHITE TILE IN NEW PRELUDE XL 15/16" EXPOSED TEE GRID, WHITE.  
ACT3 NEW 2x2 ARMSTRONG CERAMAGUARD 065, WHITE, SCRUBBABLE TILE IN EXISTING GRID  
ACT4 NEW 2x2 ARMSTRONG CERAMAGUARD 065, WHITE, SCRUBBABLE TILE IN NEW PRELUDE XL 15/16" EXPOSED TEE GRID, WHITE.  
CP1 PRE-CATALYZED WATER BASED EPOXY SHERWIN WILLIAMS 54 1001 BRIGHT CEILING WHITE  
CP2 FLAT, BRILLIANT WHITE SHERWIN WILLIAMS PROMAR DRYFALL OIL B48460 EXTEND DOWN WALL TO 12'-0" AFF/TOP 6IRT (MEETS WALL PAINT AT 12')

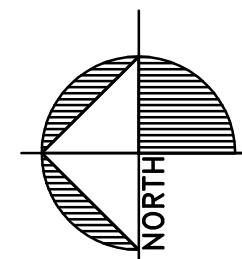
SOLID SURFACINGS  
COUNTERS TO BE H-MACS 3101 PEBBLE PEARL



THIS CONTRACT TO INCLUDE AISLE DESIGNATIONS, AS INDICATED ON THE FURNISHINGS PLAN. PROVIDE 4" WIDE SWAOSH SAFETY YELLOW FLOOR PAINT, WITH ANGLE HATCH LINES AT 24" O.C. AISLE DESIGNATION OUTLINE AT PARTS ROOM

(40) - 36"x18" SHELVES  
(13) - 36"x18" CABINETS  
(14) - PALLETS ON FLOOR  
(36) - LINEAL FEET FIB BOARD  
(3) - PALLET RACKS OUTSIDE ROOM

1 AISLE DESIGNATIONS AND FURNITURE AND EQUIPMENT PLAN  
SCALE: 3/32" = 1'-0"



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architecture  
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REV.

PROJECT: BUS MAINTENANCE REMODELING FOR  
**ROCKFORD** PUBLIC SCHOOLS  
**STERLING HOLLEY CENTER**  
2009 CHRISTINA STREET  
ROCKFORD, ILLINOIS

DRAWN: BFA

DATE: 09-07-2022

PROJECT No.  
**1155**  
RPS #2212

SHEET No.  
**FE1**

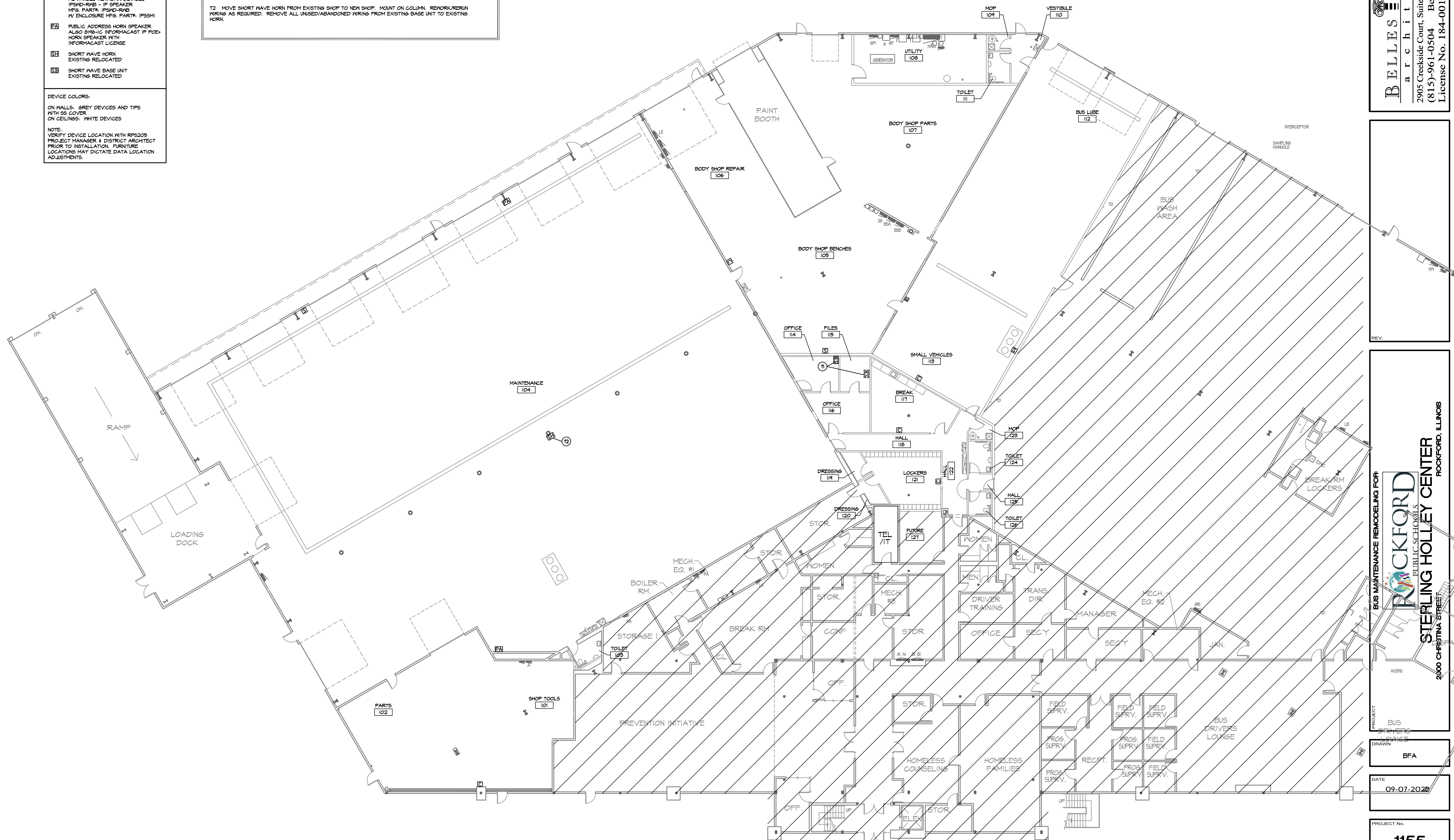
<b>C</b>	CLOCK WITH SPEAKER ADVANCED NETWORK DEVICES IPSWD-RNB - IP SPEAKER MFG. PART#: IPSWD-RNB W/ ENCLOSURE MFG. PART#: IPSSMI
<b>FA</b>	PUBLIC ADDRESS HORN SPEAKER ALGO 8146-1C INFORMACAST IP POE+ HORN SPEAKER WITH INFORMACAST LICENSE
<b>SH</b>	SHORT WAVE HORN EXISTING RELOCATED
<b>SB</b>	SHORT WAVE BASE UNIT EXISTING RELOCATED

DEVICE COLORS:  
ON WALLS: GREY DEVICES AND TIPS  
WITH SS COVER  
ON CEILING: WHITE DEVICES

NOTE:  
VERIFY DEVICE LOCATION WITH RPS205  
PROJECT MANAGER & DISTRICT ARCHITECT  
PRIOR TO INSTALLATION. FURNITURE  
LOCATIONS MAY DICTATE DATA LOCATION  
ADJUSTMENTS.

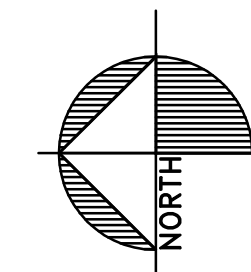
T1 EXISTING SHORT WAVE RADIO TO BE RELOCATED FROM EXISTING DESK (SEE ALSO DEMOLITION PLAN) TO NEW SHELF AT 60" AFF. PROVIDE 24"x12" SOLID SURFACING SHELF IN CORNER. PROVIDE NEW COAX CONNECTION IN WALL AT 68" AFF. REMORK/COAX CABLE AND SPEAKER WIRES AS REQUIRED.

T2 MOVE SHORT WAVE HORN FROM EXISTING SHOP TO NEW SHOP. MOUNT ON COLUMN. REMORK/RERUN WIRING AS REQUIRED. REMOVE ALL UNUSED/ABANDONED WIRING FROM EXISTING BASE UNIT TO EXISTING HORN.



**PUBLIC ADDRESS  
AND INTERCOM PLAN**

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



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**STERLING HOLLEY CENTER**  
 3000 CHRISTINA STREET  
 ROCKFORD, ILLINOIS

BUS  
DRIVERS  
LOUNGE  
AWN  
BFA

TE  
09-07-2022

PROJECT No.

**1155**

**RPS #2212**

T11

SYMBOL KEY

◀

DATA / PHONE LINE

◀

WALL MOUNTED PHONE

◀

DATA AT 60" AFF FOR MONITOR OR SMART BOARD

□

TIMECLOCK

◻

WIFI ACCESS POINT

ALL TO BE DOUBLE BOXES WITH (2) CAT 6 PLENUM RATED CABLES, 3/4" CONDUIT TO ABOVE CEILING GRID

DEVICE COLORS:  
ON WALLS: GREY DEVICES AND TIPS WITH SS COVER  
ON CEILINGS: WHITE DEVICES

NOTE:  
VERIFY DEVICE LOCATION WITH RPS205 PROJECT MANAGER & DISTRICT ARCHITECT PRIOR TO INSTALLATION. FURNITURE LOCATIONS MAY DICTATE DATA LOCATION ADJUSTMENTS.

1

TELECOMMUNICATIONS AND NETWORKING PLAN

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

157

NORTH

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REV.

BUS MAINTENANCE REMODELING FOR

ROCKFORD

PUBLIC SCHOOLS

STERLING HOLLEY CENTER

2000 CHRISTINA STREET

ROCKFORD, ILLINOIS

PROJECT

BUS DRIVERS LOUNGE

DRAWN

BFA

DATE

09-07-2022

PROJECT No.

1155

RPS #2212

SHEET No.

TN1

- ☐ B BURGALAR ALARM PANEL
- ☐ A APHONE EXTERIOR
- ☐ AI APHONE MONITOR
- ☐ K KEYLESS CARD READER
- ☐ DC DOOR CONTACTOR
- ☐ C CAMERA 360°
- ☐ CI CAMERA 360° DOUBLE BUBBLE
- ☐ EX EXISTING CAMERA

NOTES:  
1) FIBER CABLING, OS2, 6 STRAND, SINGLE  
MODE FIBER NMN FOR CAMERA LOCATIONS  
EXCEEDING 300'.  
2) BURGLAR ALARM DEVICES FOR ALARMS  
AT ALL GARAGE DOORS. DOORS WITH  
EXISTING CONTACTORS MAY BE REWORKED  
PROVIDE NEW AT ALL NEW DOORS.

DEVICE COLORS:

ON WALLS: GREY DEVICES AND TIPS  
WITH SS COVER  
ON CEILINGS: WHITE DEVICES

NOTE:  
VERIFY DEVICE LOCATION WITH RPS205  
PROJECT MANAGER & DISTRICT ARCHITECT  
PRIOR TO INSTALLATION. FURNITURE  
LOCATIONS MAY DICTATE DATA LOCATION  
ADJUSTMENTS.

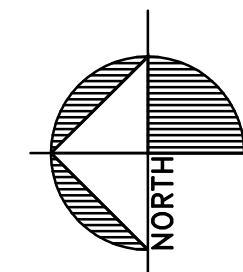
51 REMOVE CAMERAS AND ALL ASSOCIATED WIRING BACK TO SOURCE.  
52 EXISTING CARD READER TO REMAIN. RPS TO PROGRAM FOR NEW TOOL ROOM RESTRICTED ACCESS.  
53 EXISTING DOOR CONTACTOR TO REMAIN. NO WORK.  
54 PROVIDE NEW DOOR CONTACTOR BACK TO BURGULAR ALARM PANEL.  
55 REMOVE, OR PROVIDE NEW CONTACTOR AT NEW DOOR BACK TO BURGULAR ALARM PANEL.  
56 NEW DOOR CONTACTOR. NOT TIED TO BURGULAR ALARM PANEL. VERIFY WITH RPS205 WHERE THIS DEVICE IS TIED INTO.

UNDER THIS CONTRACT, RUN ALL WIRING FOR CAMERAS. PROVIDE 36" WIRE AT EACH CAMERA LOCATION. CAMERA TO BE FURNISHED AND INSTALLED BY RPS205. RUN WIRING FROM LOCATION INDICATED, AND APPROVED BY ARCHITECT AND RPS205 PROJECT MANAGER TO IT ROOM. PROVIDE A MINIMUM OF 36" EXTRA WIRING AT RACK IN IT ROOM FOR FINAL CONNECTION BY RPS205.

(1

## SECURITY PLAN

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



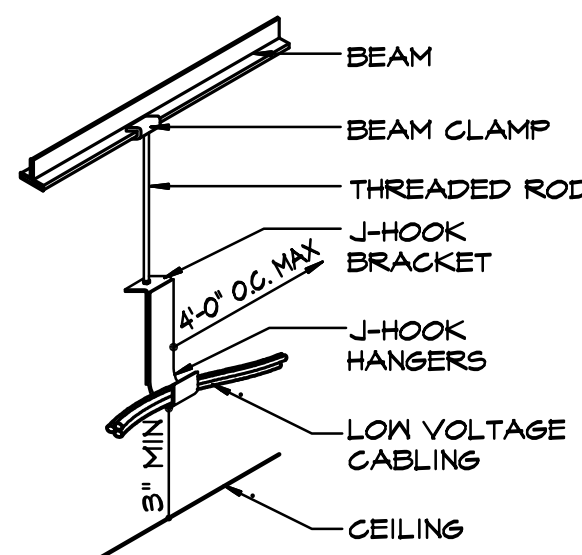
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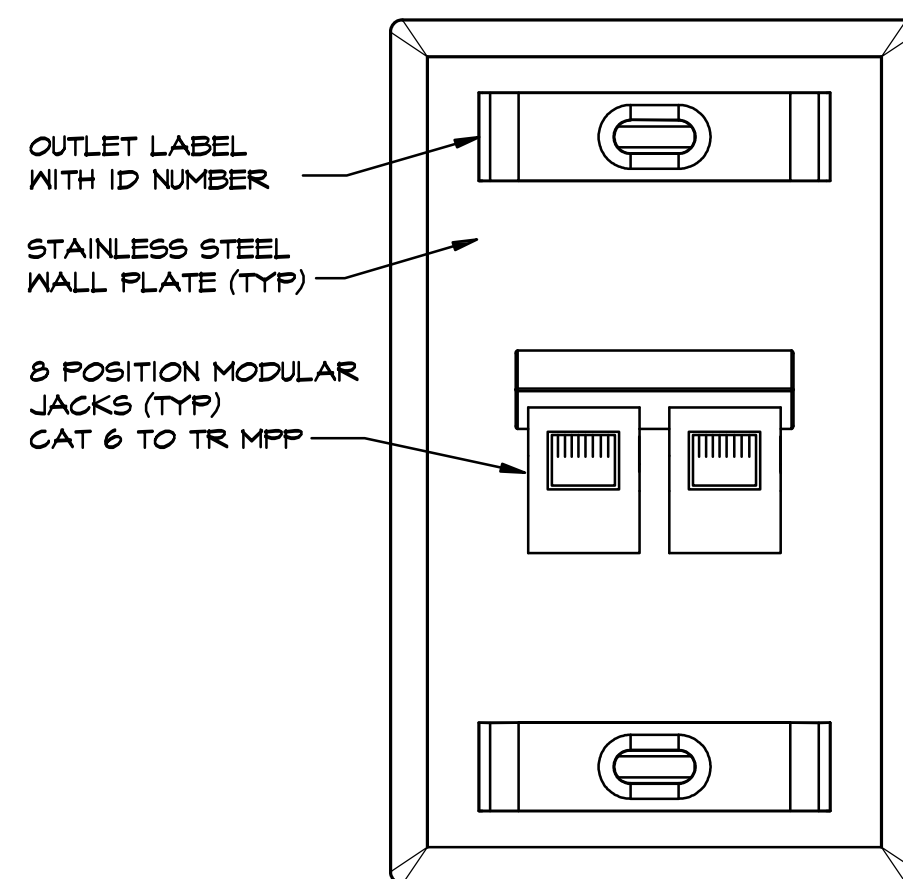
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## GROUNDING NOTES

- 1 THE TELECOMMUNICATIONS GROUNDING BUSBAR (TSB) SHALL HAVE MINIMUM DIMENSIONS OF 6.3 mm (0.25 in) THICK BY 50 mm (2 in) WIDE, AND VARIABLE IN LENGTH DEPENDING ON NEED, WITH A MINIMUM LENGTH OF 10 INCHES.
- 2 THE TELECOMMUNICATIONS GROUNDING BUSBAR(S) SHALL BE CONNECTED TO THE TELECOMMUNICATIONS MAIN GROUNDING BUSBAR WITH #10/0 GROUND WIRE.
- 3 THE TELECOMMUNICATIONS MAIN GROUNDING BUSBAR SHALL BE BONDED TO THE ELECTRICAL POWER GROUND WITH #3/0 GROUND WIRE.
- 4 THE GROUNDING BUSBAR(S) SHALL BE INSTALLED AT +18" A.F.F. WITH 6" CLEAR ON ALL OTHER SIDES.
- 5 COORDINATE EXACT LOCATION OF GROUNDING BUSBAR(S) WITH OTHER TRADES.
- 6 MOUNTING BRACKETS AND INSULATOR SHALL BE MOUNTED TO PROVIDE A 3.150 INCH SPACE FROM MOUNTING BACKBOARD TO BUSBAR.
- 7 EACH PIECE OF EQUIPMENT SHALL BE CONNECTED WITH A MINIMUM OF #6 AWG GROUNDING WIRE WITH A TWO-BOLT COMPRESSION LUG AT EACH END.



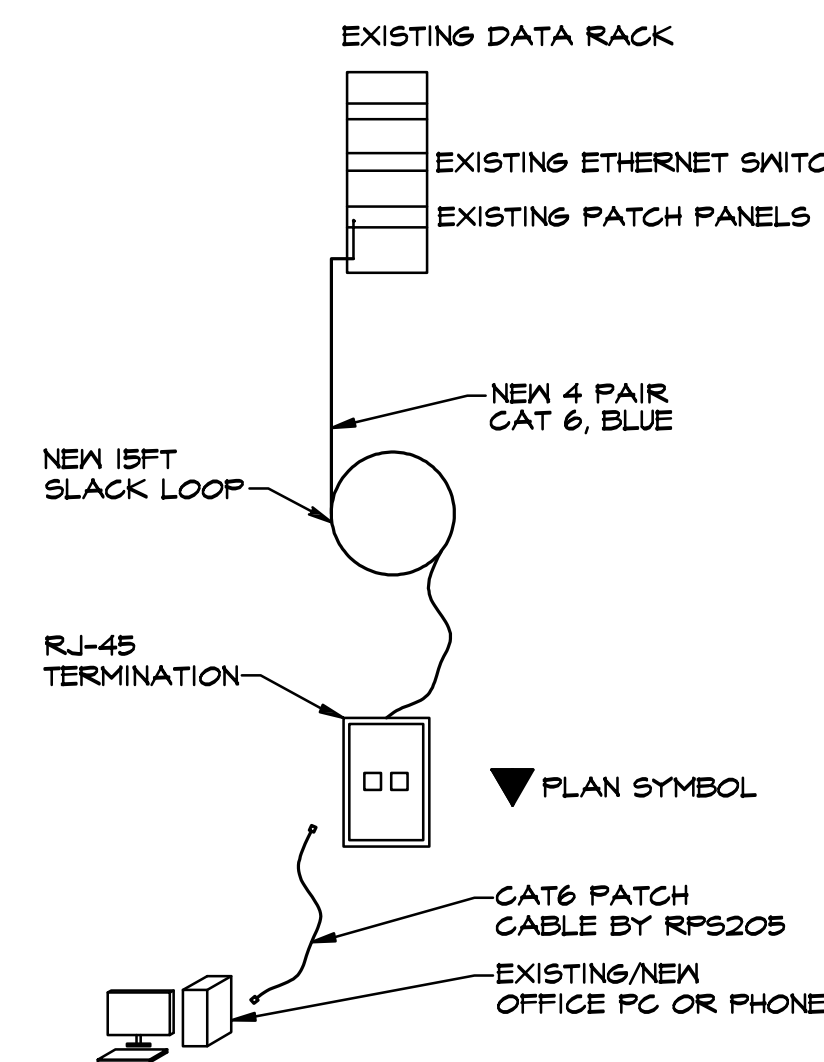
## 4 CABLE SUPPORT



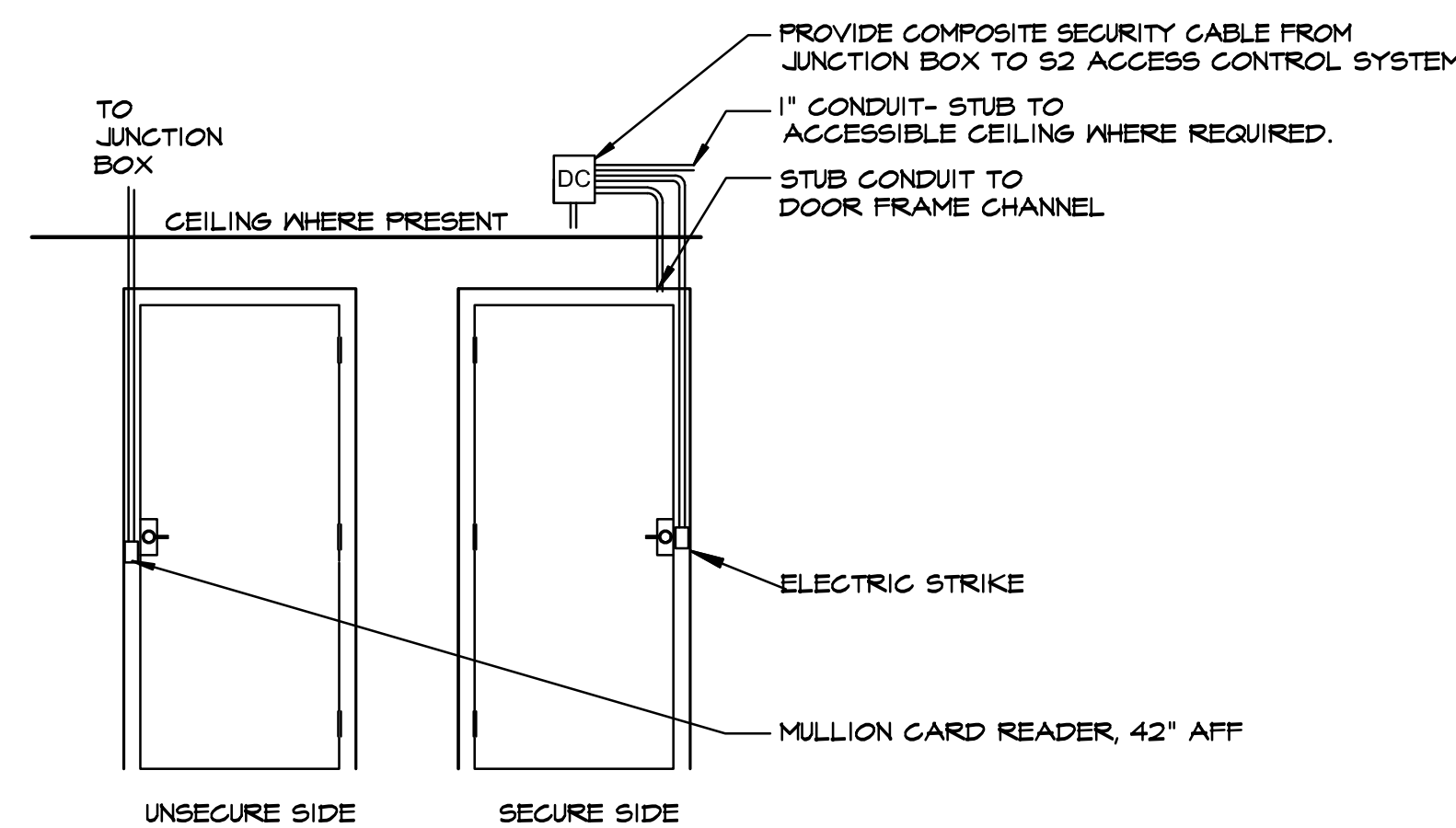
PLAN SYMBOL ▼

NOTE: 19" CENTER AFF OR ABOVE COUNTER. UNO  
ALL JACKS AND CABLES SHALL BE BLUE IN COLOR  
FACEPLATES SHALL BE LIGHT GRAY

**3 2 PORT OUTLET**  
SCALE: NONE TWO PORT OUTLET



## 2 DATA TERMINATION



**NOTE:**  
1. ALL CONCEALED RACEWAY SHALL BE 3/4" CONDUIT. EXPOSED RACEWAY, IN FINISHED SPACES, SHALL BE SURFACE MOUNTED WIREMOLD COLOR TO MATCH WALL, AND AS SELECTED BY ARCHITECT.

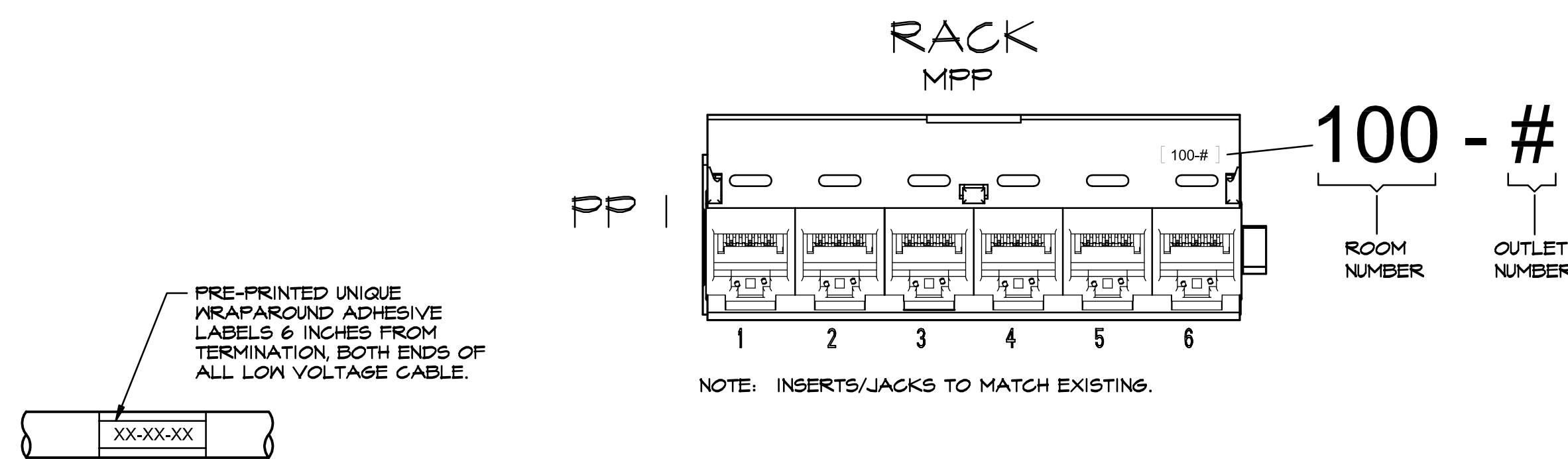
2. REFER TO PLANS FOR EXACT DOOR SWING AND TYPE

**1 CARD READER  
ROUGH-IN DETAIL**

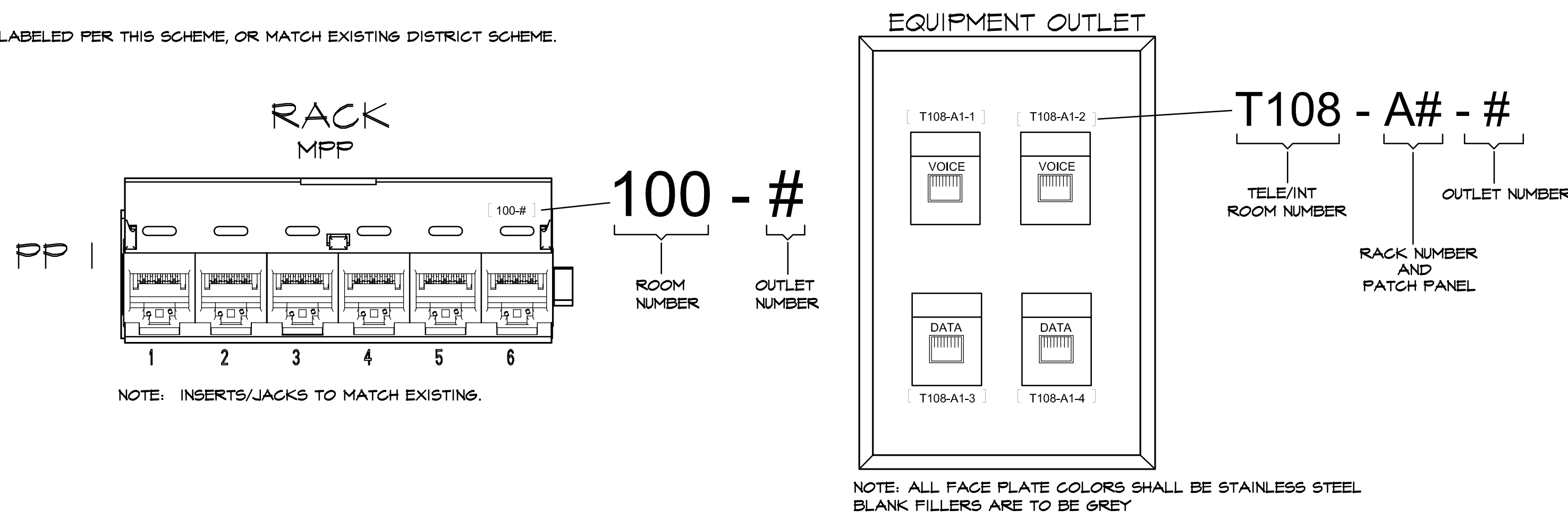
SCALE: NONE

CARD READER ROUGH IN

NOTE: ALL OUTLETS AND PATCH PANELS SHALL BE LABELED PER THIS SCHEME, OR MATCH EXISTING DISTRICT SCHEME.



**6 CABLE LABEL**  
SCALE: NONE



## 5 LABELING DIAGRAM

- NOTES
- 1

CHAMPION L-04, WITH DRYER, OR EQUAL COMPRESSOR
- 2

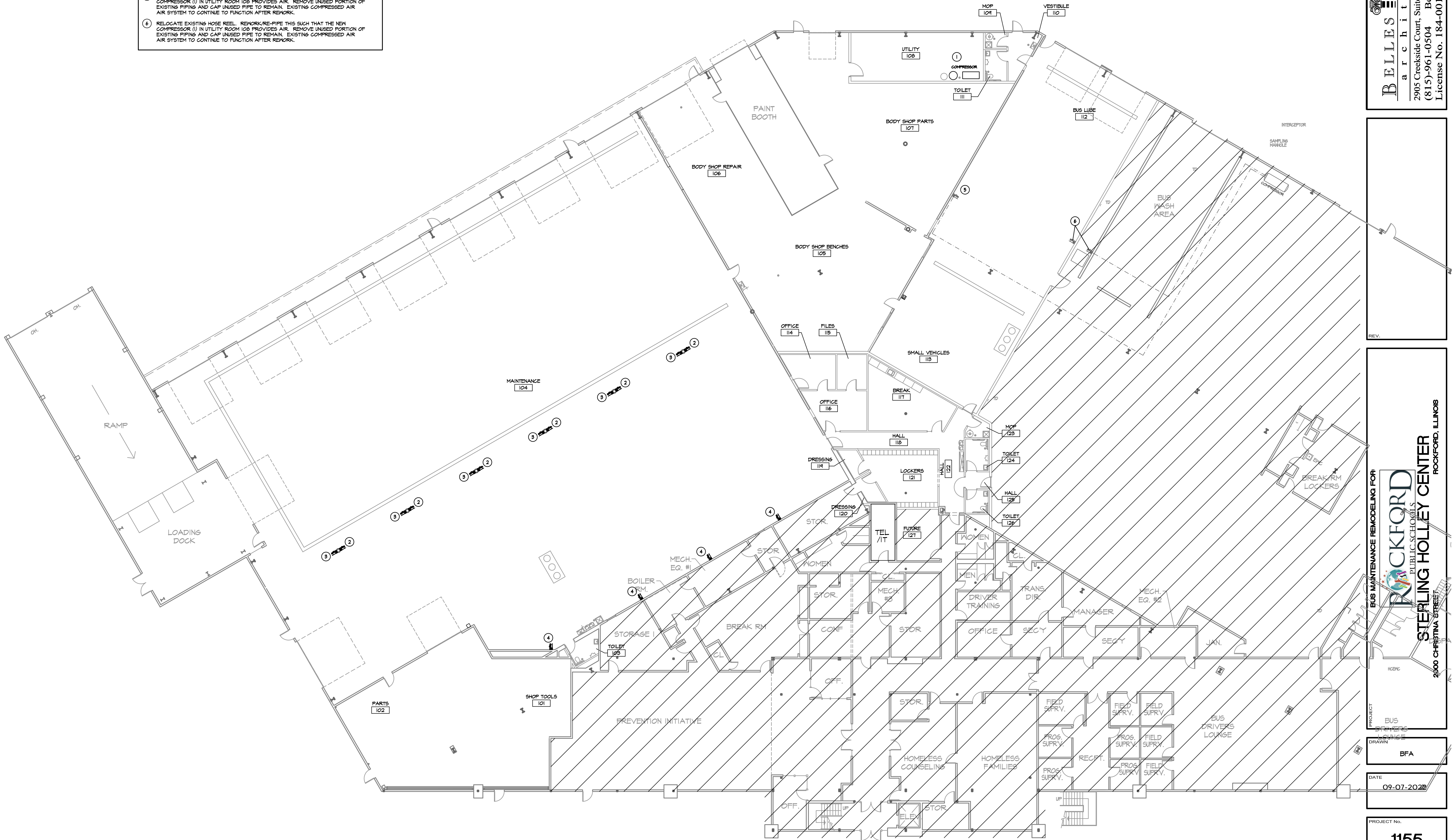
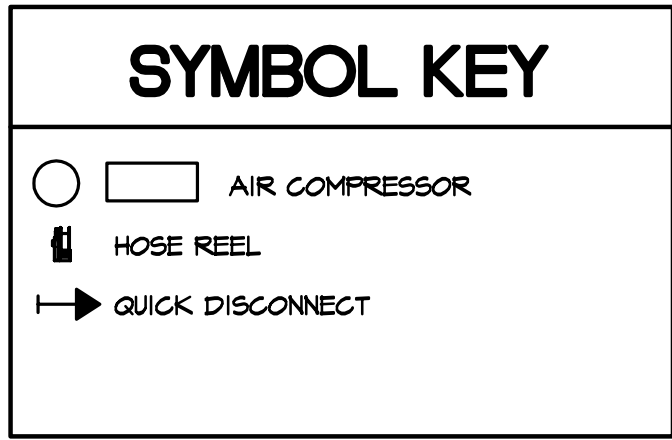
3/8" COMPRESSED AIR HOSE REEL MOUNTED ON ONE SIDE OF COLUMN. EQUAL TO REELCRAFT 5650 OLP 3/8 IN. X 50 FT. PREMIUM DUTY HOSE REEL 1/4 HOSE
- 3

1/2" COMPRESSED AIR HOSE REEL MOUNTED ON ONE SIDE OF COLUMN. EQUAL TO REELCRAFT 7850 OLP 1/2 IN. X 50 FT. PREMIUM DUTY HOSE REEL 1/4 HOSE
- 4

3/8" COMPRESSED AIR HOSE REEL MOUNTED ON WALL ON COLUMN CENTERLINE. EQUAL TO REELCRAFT 5650 OLP 3/8 IN. X 50 FT. PREMIUM DUTY HOSE REEL 1/4 HOSE
- 5

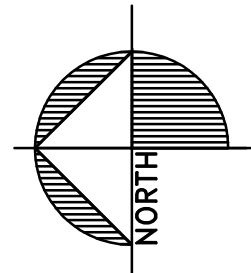
EXISTING HOSE REEL TO REMAIN. RENOV/RE-PIPE THIS SUCH THAT THE NEW COMPRESSOR (1) IN UTILITY ROOM 108 PROVIDES AIR. REMOVE UNUSED PORTION OF EXISTING PIPING AND CAP UNUSED PIPE TO REMAIN. EXISTING COMPRESSED AIR AIR SYSTEM TO CONTINUE TO FUNCTION AFTER RENOV.
- 6

RELOCATE EXISTING HOSE REEL. RENOV/RE-PIPE THIS SUCH THAT THE NEW COMPRESSOR (1) IN UTILITY ROOM 108 PROVIDES AIR. REMOVE UNUSED PORTION OF EXISTING PIPING AND CAP UNUSED PIPE TO REMAIN. EXISTING COMPRESSED AIR AIR SYSTEM TO CONTINUE TO FUNCTION AFTER RENOV.



1 COMPRESSED AIR

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



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BUS MAINTENANCE REMODELING FOR

ROCKFORD PUBLIC SCHOOLS

STERLING HOLLEY CENTER

2000 CHRISTINA STREET  
ROCKFORD, ILLINOIS

DRAWN

BFA

DATE

09-07-2022

PROJECT No.

1155  
RPS #2212

SHEET No.

Q1

DWG FILE: Q1

- F1 REMOVE AND REWORK FIRE PROTECTION AT PRINT ROOMS TO BE DEMOLISHED.
- F2 REMOVE FIRE PROTECTION WHERE ROOMS ARE REMOVED.
- F3 EXISTING FIRE PROTECTION THIS AREA. EXAMINE EXISTING. PROVIDE NEW AND/OR REWORK EXISTING FOR FULLY COMPLIANT SYSTEM THIS AREA.
- F4 EXISTING HEAD THIS ROOM. REWORK AS REQUIRED BY NEW BUILD-OUT THIS AREA.
- F5 MOVE / REWORK EXISTING PIPING TO ACCOMMODATE NEW OVERHEAD DOOR THIS LOCATION.
- F6 PROVIDE NEW FIRE PROTECTION IN NEW ROOMS.
- F7 EXISTING OFFICE WITH EXISTING FIRE PROTECTION, THIS AREA. REMOVE, REWORK, AND PROVIDE NEW FIRE PROTECTION FOR NEW OFFICES, LOCKERS, BREAK ROOM, AND TOILETS
- F8 REWORK EXISTING HEADS IN PORTION OF EXISTING ROOM I27.

THE SPRINKLER CONTRACTOR IS RESPONSIBLE TO PROVIDE 100% SPRINKLER PROTECTION IN ALL ROOMS, LOCATIONS, COMBUSTIBLE CONCEALED SPACES, CLOSETS, BATHROOMS, AND AREAS REQUIRED BY CODES, STANDARDS, NATIONAL STATE AND LOCAL REQUIREMENTS FOR ALL SPACES IN THE CURRENT WORK AREA.

THE SPRINKLER CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXISTING CONDITIONS AND EXTENT OF ALL FIRE PROTECTION WORK.

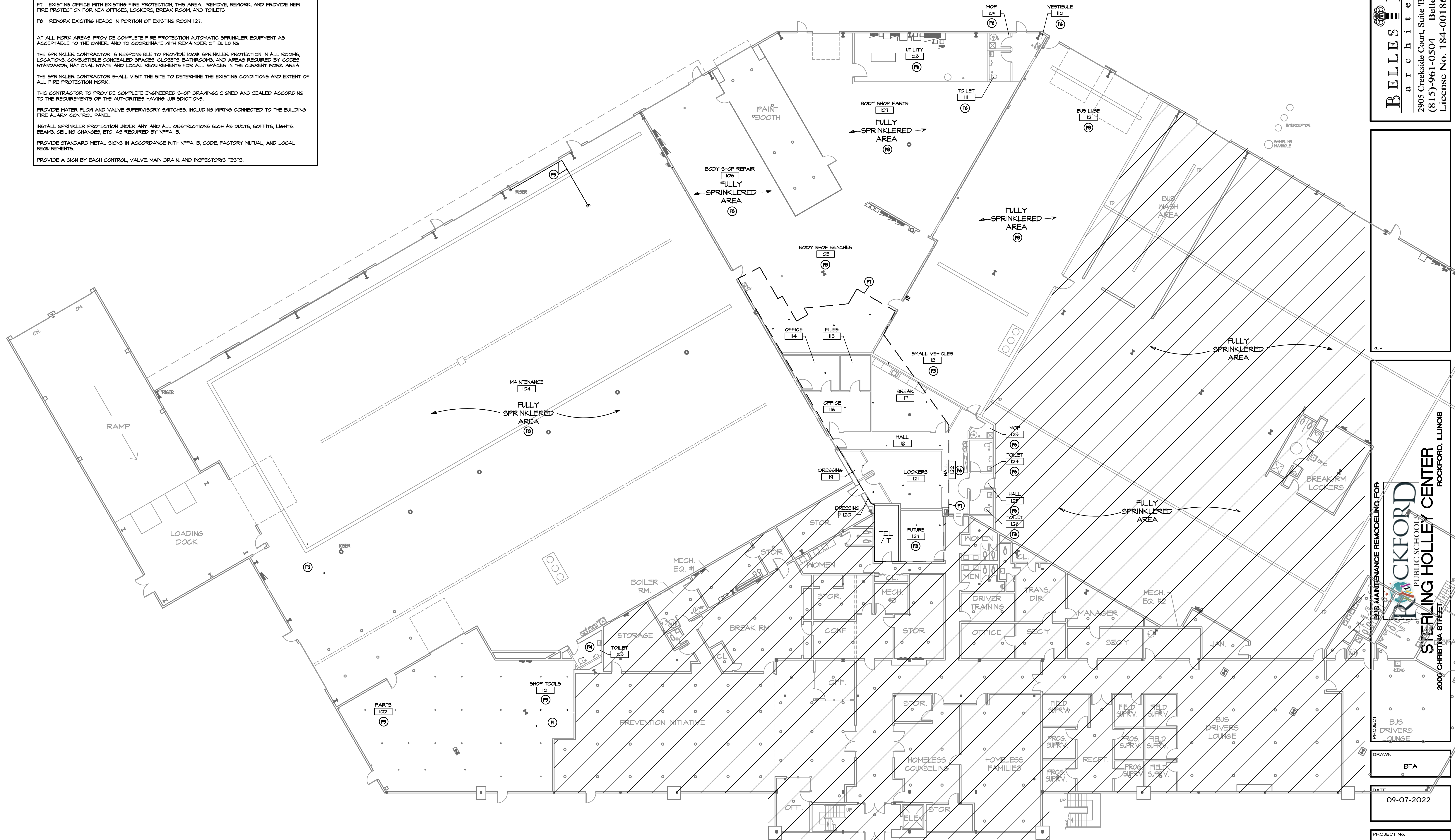
THIS CONTRACTOR TO PROVIDE COMPLETE ENGINEERED SHOP DRAWINGS SIGNED AND SEALED ACCORDING TO THE REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTIONS.

PROVIDE WATER FLOW AND VALVE SUPERVISORY SWITCHES, INCLUDING WIRING CONNECTED TO THE BUILDING FIRE ALARM CONTROL PANEL.

INSTALL SPRINKLER PROTECTION UNDER ANY AND ALL OBSTRUCTIONS SUCH AS DUCTS, SOFFITS, LIGHTS, BEAMS, CEILING CHANGES, ETC. AS REQUIRED BY NFPA 13.

PROVIDE STANDARD METAL SIGNS IN ACCORDANCE WITH NFPA 13, CODE, FACTORY MUTUAL, AND LOCAL REQUIREMENTS.

PROVIDE A SIGN BY EACH CONTROL, VALVE, MAIN DRAIN, AND INSPECTOR(S) TESTS.



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**PROJECT**  
BUS DRIVERS LOUNGE

**BUS MAINTENANCE REMODELING FOR**

**ROCKFORD PUBLIC SCHOOLS**

**STERLING HOLLEY CENTER**

**2000 CHRISTINA STREET, ROCKFORD, ILLINOIS**

DRAWN

BFA

DATE 09-07-2022

PROJECT No.

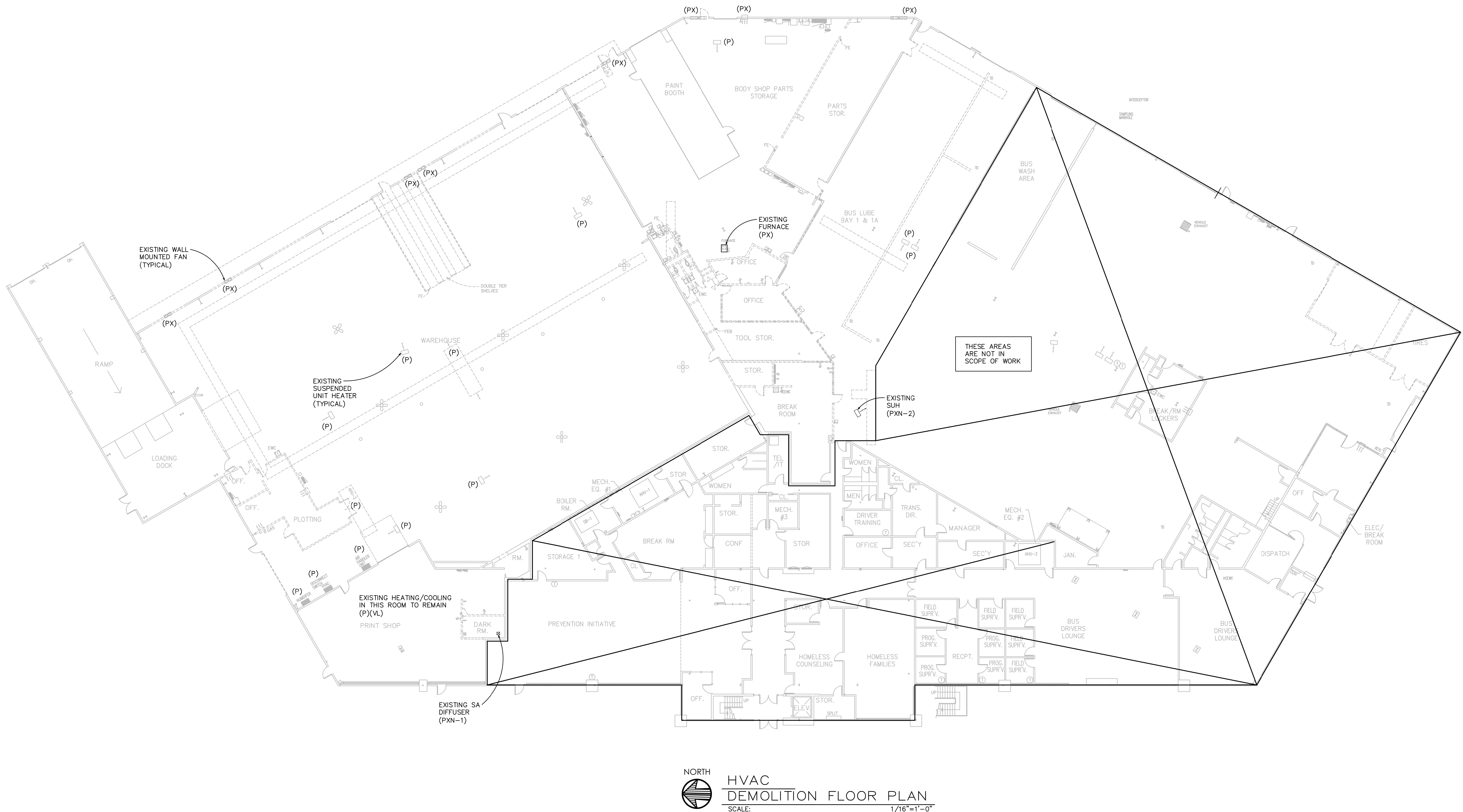
**1155**

**RPS #2212**

SHEET No.

FP1

DWG FILE: FP1



NORTH  
HVAC  
DEMOLITION FLOOR PLAN  
SCALE: 1/16"=1'-0"

#### DEMOLITION GENERAL NOTES

1. VERIFY EXACT SIZE AND LOCATION OF THE EXISTING UTILITIES BEFORE START OF DEMOLITION.
2. RELOCATE, REMOVE AND ADJUST ALL MECHANICAL AND ASSOCIATED ELECTRICAL ITEMS AS REQUIRED TO COORDINATE WITH NEW WORK.
3. ALL MECHANICAL ITEMS SHOWN ON DEMOLITION PLANS ARE EXISTING AND ARE SHOWN IN SCHEMATIC FORM ONLY.
4. IN AREAS WHERE EXISTING CONSTRUCTION IS REMOVED AND NO ADDITIONAL CONSTRUCTION IS INDICATED, PATCH ADJACENT CONSTRUCTION TO MATCH EXISTING.
5. REFER TO ARCHITECTURAL PLANS FOR COORDINATION OF ALL EQUIPMENT.
6. CONNECTIONS TO, AND SHUTDOWNS OF, THE EXISTING SYSTEMS SHALL BE COORDINATED WITH OWNER AS TO CREATE MINIMAL INTERFERENCE WITH OWNER'S OPERATION AND RESULTING DOWNTIME OF EXISTING SERVICES. CONTRACTORS SHALL SUBMIT TO OWNER FOR REVIEW AND APPROVAL OF THE PROPOSED PHASING PLAN FOR CONNECTING NEW TO EXISTING SERVICES.
7. CONTRACTOR SHALL COMPLY WITH GENERAL CONDITIONS AND PROTECTION PROVISIONS SPECIFIED.
8. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS BEFORE BEGINNING WORK. CONTRACTOR SHALL PROTECT EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION. ANY EXISTING UTILITIES AND SERVICES DAMAGED SHALL BE REPAIRED AT NO EXPENSE TO OWNER. THE CONTRACTOR SHALL TEMPORARILY MOVE OR TAKE EQUIPMENT OUT OF SERVICE AS NECESSARY TO COMPLETE WORK. SUCH SERVICES SHALL BE REPAIRED IN ACCORDANCE WITH THE SPECIFICATIONS.

#### DEMOLITION DEFINITIONS

CERTAIN ABBREVIATIONS OF SYMBOLS, WHEN APPLIED TO PRESENT (OR EXISTING) LINE, DEVICE OR EQUIPMENT, SHALL HAVE FOLLOWING MEANINGS:

- |               |   |
|---------------|---|
| NC            | NEW CONNECTION TO PRESENT DEVICE, DUCT, WIRING, EQUIPMENT, ETC. INSTALL, TEST, COVER, PAINT, ETC. SAME AS NEW WORK. IF IN SEWER MANHOLE, PROVIDE FLOW CHANNEL IN BOTTOM.  |
| VL            | VERIFY EXACT LOCATION IN FIELD. THIS NOTE APPLIES TO ALL PRESENT OR EXISTING UTILITIES AND CONSTRUCTION WHETHER CALLED FOR OR NOT.  |
| P             | TO REMAIN UNCHANGED. IF CHANGE CANNOT BE AVOIDED, CHANGE "P" TO "PXR", AT NO INCREASE IN CONTRACT PRICE. VERIFY LOCATION.   |
| PX            | TO BE COMPLETELY REMOVED, INCLUDING UNNEEDED CONNECTIONS, PIPING, DUCTS, WIRING, BASES, ETC. OF EVERY KIND. OTHER DISTURBED WORK OF EVERY KIND RESTORED, PATCHED, TESTED, COVERED, PAINTED, ETC. TO EQUAL ORIGINAL CONDITION. REMOVED MATERIALS MUST NOT BE REUSED UNLESS OTHERWISE SPECIFIED OR DIRECTED BY ARCHITECT. |
| PXR           | SAME AS "PX", EXCEPT REMOVED, CLEANED AND RESTORED TO GOOD OPERATING CONDITION AND REINSTALLED SAME AS NEW WORK, IN ORIGINAL POSITION IF RECONDITIONING IS IMPRACTICAL, PROVIDE NEW DEVICE, AS APPROVED BY ARCHITECT, AT NO INCREASE IN CONTRACT PRICE.   |
| PXS           | SAME AS "PX", EXCEPT THAT FOLLOWING CALLED FOR NEW DEVICE SHALL BE SUBSTITUTED.   |
| PXN-#<br>ETC. | SAME AS "PXR" EXCEPT REMOVED, CLEANED AND RESTORED TO GOOD OPERATING CONDITION AND REINSTALLED SAME AS NEW WORK, IN NEW POSITION MARKED "PN" WITH SAME NUMBER. IF RECONDITIONING IS IMPRACTICAL, PROVIDE NEW DEVICE, AS APPROVED ARCHITECT, AT NO INCREASE IN CONTRACT PRICE.   |
| PN-#<br>ETC.  | COMPLETELY REINSTALL DEVICE, LINE OR DUCT, REMOVED AT "PXN" IN INDICATED NEW LOCATION, SAME AS NEW WORK.  |



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PUBLIC SCHOOLS  
**STERLING HOLLEY CENTER**  
2000 CHRISTINA STREET  
ROCKFORD, ILLINOIS

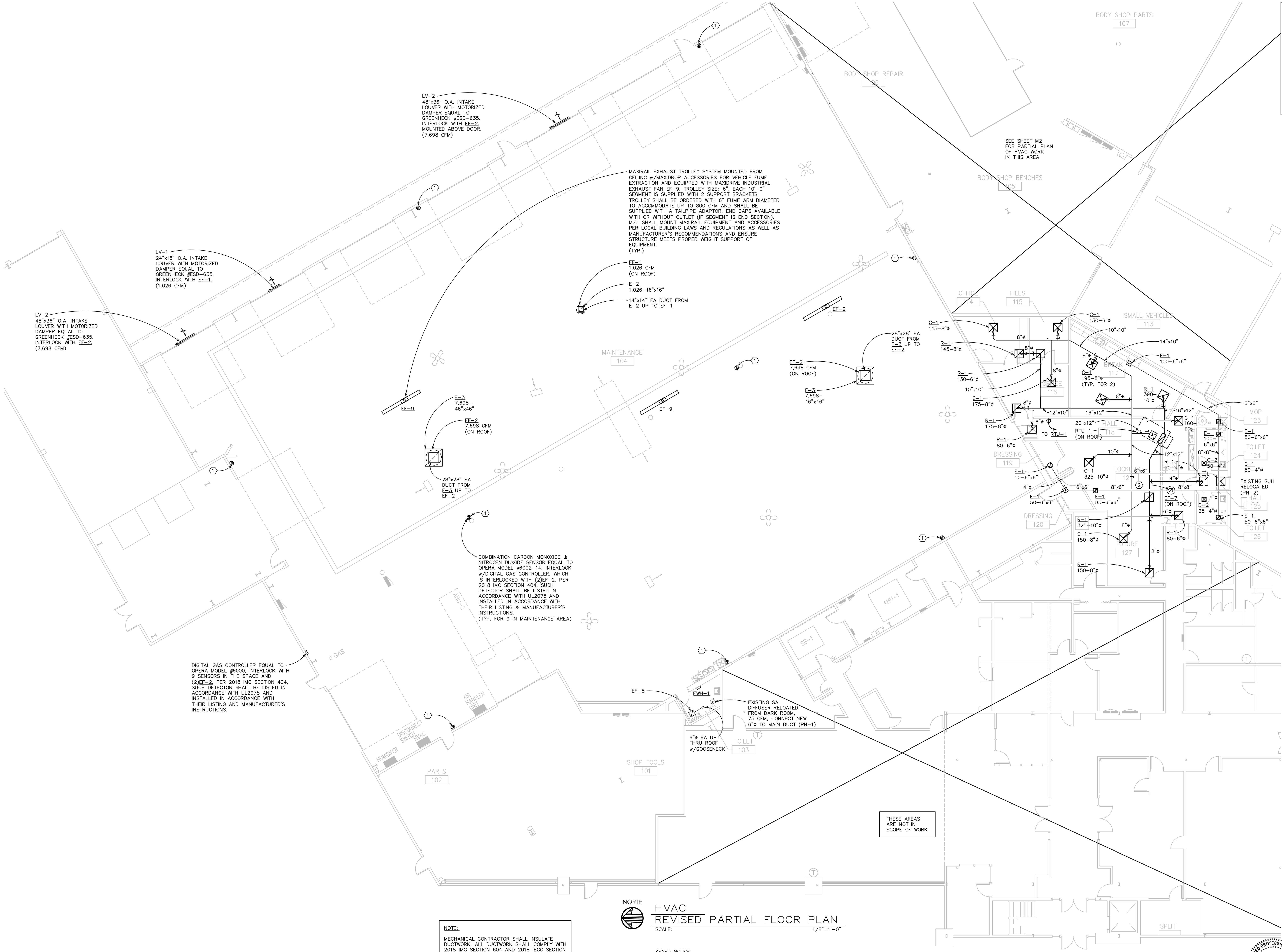
PROJECT

DRAWN BY  
**EQACY  
DESIGNS**

DATE  
09-07-2022

PROJECT No.  
**1155**  
SD205 #2126

SHEET No.  
**MD101**



DIGITAL GAS CONTROLLER EQUAL TO OPERA MODEL #6000, INTERLOCK WITH 9 SENSORS IN THE SPACE AND (2)EE-2, PER 2018 IMC SECTION 404, SUCH DETECTOR SHALL BE LISTED IN ACCORDANCE WITH UL2075 AND INSTALLED IN ACCORDANCE WITH THEIR LISTING & MANUFACTURER'S INSTRUCTIONS.

COMBINATION CARBON MONOXIDE & NITROGEN DIOXIDE SENSOR EQUAL TO OPERA MODEL #6002-14, INTERLOCK W/DIGITAL GAS CONTROLLER, WHICH IS INTERLOCKED WITH (2)EE-2, PER 2018 IMC SECTION 404, SUCH DETECTOR SHALL BE LISTED IN ACCORDANCE WITH UL2075 AND INSTALLED IN ACCORDANCE WITH THEIR LISTING & MANUFACTURER'S INSTRUCTIONS. (TYP. FOR 9 IN MAINTENANCE AREA)

EXISTING SA DIFFUSER RELOCATED FROM DARK ROOM, 75 CFM, CONNECT NEW 6" Ø TO MAIN DUCT (PN-1)

NOTE:  
MECHANICAL CONTRACTOR SHALL INSULATE DUCTWORK. ALL DUCTWORK SHALL COMPLY WITH 2018 IMC SECTION 604 AND 2018 IECC SECTION C403.11.1 FOR COMMERCIAL BUILDINGS.

NORTH  
HVAC  
REVISED PARTIAL FLOOR PLAN  
SCALE: 1/8"=1'-0"

- KEYED NOTES:
- ① MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL COMBINATION CARBON MONOXIDE/NITROGEN DIOXIDE SENSOR PER MANUFACTURER'S RECOMMENDATIONS FOR VEHICLE EMISSIONS. MONITORS MUST BE INSTALLED ABOVE OBSTRUCTIONS BLOCKING CIRCULATION OF AIR IN FRONT OF THE SENSORS.
  - ② 10"x10" EA UP TO EE=2, (ON ROOF)



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BUS MAINTENANCE REMODELING FOR

ROCKFORD

PUBLIC SCHOOLS

STERLING HOLLEY CENTER

2000 CHRISTINA STREET

ROCKFORD, ILLINOIS

DRAWN  
LEGACY  
DESIGNS

DATE  
09-07-2022


PROJECT No.  
**1155**  
SD205 #2126

SHEET No.  
**M101**

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**BUS MAINTENANCE REMODELING FOR:**

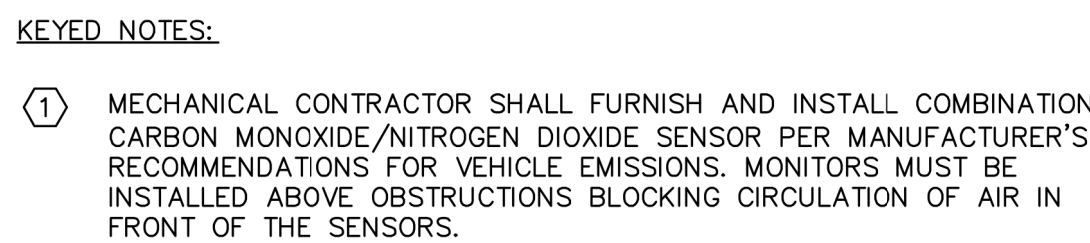
 **ROCKFORD**  
PUBLIC SCHOOLS

**STERLING HOLLEY CENTER**

**2000 CHRISTINA STREET**  
**ROCKFORD, ILLINOIS**

SHEET No.

M102



VENTILATION SCHEDULE

ROOM #	ROOMNAME	2018 IMC – TABLE 403.3.1.1 REQUIREMENTS				REQ'D. SPACE VENTILATION		SERVED BY		NOTES
		FLR. AREA (SQ. FT.)	# OF PEOPLE	O.A. REQ'D./ PERSON	CFM/ SQ. FT.	O.A. (CFM)	E.A. (CFM)	SUPPLY	EXHAUST	
		Az	Pz	Rp	Ra					
101	SHOP TOOLS	942	1	–	0.06	57	–	EXISTING SYSTEM	–	
102	PARTS	1,368	1	–	0.06	82	–	EXISTING SYSTEM	–	
103	TOILET	62	–	–	–	–	100	EW-1	EF-8	2
104	MAINTENANCE	20,528	7	–	–	1,026	1,026	LV-1/EXIST. SUH	EF-1	1-3
			7	–	–	15,396	15,396	(2)LV-2/EXIST. SUH	(2)EF-2	4-6
105	BODY SHOP BENCHES	1,696	1	–	–	85	85	LV-3/SUH-1	EF-3	1,2,8
			1	–	–	1,272	1,272	LV-4/SUH-1	EF-4	4,5,9
106	BODY SHOP REPAIR	2,725	1	–	–	136	136	LV-3/SUH-1	EF-3	1,2,8
			1	–	–	2,044	2,044	LV-4/SUH-1	EF-4	4,5,9
107	BODY SHOP PARTS	1,985	1	–	–	99	99	LV-3/EXIST. SUH	EF-3	1,2,8
			1	–	–	1,489	1,489	LV-4/EXIST. SUH	EF-4	4,5,9
108	UTILITY	588	–	–	–	–	–	(2)EW-2	–	
109	MOP	30	–	–	–	–	100	EW-1	EF-8	2
110	VESTIBULE	96	–	–	0.06	6	–	EW-1	–	
111	TOILET	61	–	–	–	–	100	EW-1	EF-8	2
112	BUS LUBE	2,700	2	–	–	135	135	LV-5/SUH-1	EF-5	1,2,10
			2	–	–	2,025	2,025	LV-6/SUH-1	EF-6	4,5,11
113	SMALL VEHICLES	1,432	2	–	–	72	72	LV-5/EXIST. SUH	EF-5	1,2,10
			2	–	–	1,074	1,074	LV-6/EXIST. SUH	EF-6	4,5,11
114	OFFICE	145	1	5	0.06	14	–	RTU-1	–	
115	FILES	95	–	5	0.06	6	–	RTU-1	–	
116	OFFICE	200	1	5	0.06	14	–	RTU-1	–	
117	BREAK ROOM	384	12	5	0.12	106	100	RTU-1	EF-7	2
118	HALL	165	–	–	0.06	10	–	RTU-1	–	
119	DRESSING	44	1	5	0.06	8	50	RTU-1	EF-7	2
120	DRESSING	44	1	5	0.06	8	50	RTU-1	EF-7	2
121	LOCKERS	326	–	–	–	–	85	RTU-1	EF-7	7
122	HALL	212	–	–	0.06	13	–	RTU-1	–	
123	MOP	36	–	–	–	–	50	–	EF-7	2
124	TOILET	65	–	–	–	–	100	RTU-1	EF-7	2
125	HALL	36	–	–	0.06	2	–	RTU-1	–	
126	TOILET	48	–	–	–	–	50	RTU-1	EF-7	2
127	FUTURE	200	1	5	0.06	17	–	RTU-1	–	

NOTES:

1. MINIMUM VENTILATION REQUIRED FOR AN ENCLOSED PARKING GARAGE SHALL BE 0.05 CFM/SQ. FT. PER 2018 IMC SECTION 404.1.
2. EXHAUST FAN SHALL OPERATE CONTINUOUSLY WHEN BUILDING IS OCCUPIED.
3. EXHAUST FAN SHALL BE INTERLOCKED WITH LV-1.
4. ENCLOSED PARKING GARAGE SYSTEM SHALL BE CAPABLE OF PRODUCING A VENTILATION AIRFLOW RATE OF 0.75 CFM/SQ. FT. PER 2018 IMC SECTION 404.1.
5. EXHAUST FAN SHALL OPERATE AUTOMATICALLY BY MEANS OF CARBON MONOXIDE/NITROGEN DIOXIDE DETECTORS PER 2018 IMC SECTION 404.1.
6. EXHAUST FAN SHALL BE INTERLOCKED WITH LV-2.
7. LOCKER ROOMS SHALL HAVE AN EXHAUST AIRFLOW RATE OF 0.25 CFM/SQ. FT. PER 2018 IMC TABLE 403.3.1.1.
8. EXHAUST FAN SHALL BE INTERLOCKED WITH LV-3.
9. EXHAUST FAN SHALL BE INTERLOCKED WITH LV-4.
10. EXHAUST FAN SHALL BE INTERLOCKED WITH LV-5.
11. EXHAUST FAN SHALL BE INTERLOCKED WITH LV-6.

EXHAUST FAN SCHEDULE

UNIT MARK	MFR	MODEL NUMBER	AREA(S) SERVED	LOCATION	AIRFLOW CFM	TYPE	E.S.P.	FAN RPM	HP	AMPS	WATTS	SONES	ELECTRICAL	NOTES
EF-1	GREENHECK	CUE-099	MAINTENANCE (CODE REQ'D. MIN. OA)	ROOF	1,026	DIRECT	0.25"	1,725	1/4	–	–	13.4	115/230/1	1-9
(2)EF-2	GREENHECK	CUE-240	MAINTENANCE (CODE REQ'D. MAX. OA)	ROOF	7,698	DIRECT	0.5"	1,140	5	–	–	40	208/3	1-7,10,11
EF-3	GREENHECK	CUE-090	BODY SHOP (CODE REQ'D. MIN. OA)	ROOF	320	DIRECT	0.25"	1,300	1/30	–	–	5.5	115/230/1	1-8,12
EF-4	GREENHECK	CUE-160	BODY SHOP (CODE REQ'D. MAX. OA)	ROOF	4,805	DIRECT	0.5"	1,725	2	–	–	29	208/3	1-7,10,13
EF-5	GREENHECK	CUE-070	BUS LUBE & SM VEHICLE (CODE REQ'D. MIN. OA)	ROOF	207	DIRECT	0.25"	1,550	1/30	–	–	4.7	115/230/1	1-8,14
EF-6	GREENHECK	CUE-160	BUS LUBE & SM VEHICLE (CODE REQ'D. MAX. OA)	ROOF	3,099	DIRECT	0.5"	1,725	2	–	–	29	208/3	1-7,10,15
EF-7	GREENHECK	CUE-090	BREAK ROOM, DRESSING, TOILETS, LOCKERS, MOP	ROOF	485	DIRECT	0.25"	1,300	1/30	–	–	5.5	115/230/1	1-8
(3)EF-8	GREENHECK	SP-A110	TOILET & MOP	CEILING	100	DIRECT	0.25"	950	–	0.16	19.4	0.5	115/230/1	1-5,8,16
(3)EF-9	AQC MAXIDRIVE	DF-02	MAINTENANCE 104 (FUME EXTRACTION)	TROLLEY SYSTEM	800	DIRECT	–	3,450	2	6.8	1,500	–	208/3	17

ALTERNATE MANUFACTURER'S ACCEPTED PROVIDED THEY ARE EQUAL TO SPECIFIED EQUIPMENT INCLUDING ALL OPTIONS/ACCESSORIES LISTED BELOW.

NOTES:

1. FAN SHALL HAVE AMCA SEAL & BE U.L. CERTIFIED.
2. FAN SHALL HAVE ALUMINUM BIRD SCREEN.
3. FURNISH AND INSTALL WITH MANUFACTURER'S SAFETY DISCONNECT SWITCH.
4. PROVIDE DUCT MOUNTED GRAVITY BACKDRAFT DAMPER AT DISCHARGE OUTLET.
5. SUBMIT MANUFACTURER'S SHOP DRAWINGS FOR APPROVAL, PRIOR TO ORDERING.
6. PROVIDE MANUFACTURER'S ROOF CURB.
7. VERIFY FINAL LOCATION OF EXHAUST FAN IN THE FIELD TO MAKE SURE CLEARANCES BY CODE ARE MET.
8. EXHAUST FAN SHALL OPERATE CONTINUOUSLY WHEN BUILDING IS OCCUPIED.
9. EXHAUST FAN SHALL BE INTERLOCKED WITH LV-1.
10. EXHAUST FAN SHALL BE INTERLOCKED WITH DIGITAL GAS CONTROLLER EQUAL TO OPERA MODEL #6000 (WHICH IS INTERLOCKED w/THREE COMBINATION CARBON DIOXIDE/NITROGEN DIOXIDE SENSORS IN THE SPACE) SO IF CO OR NO2 LEVELS REACH UNSAFE LEVELS THE EXHAUST FAN OPERATES AUTOMATICALLY.
11. EXHAUST FAN SHALL BE INTERLOCKED WITH LV-2.
12. EXHAUST FAN SHALL BE INTERLOCKED WITH LV-3.
13. EXHAUST FAN SHALL BE INTERLOCKED WITH LV-4.
14. EXHAUST FAN SHALL BE INTERLOCKED WITH LV-5.
15. EXHAUST FAN SHALL BE INTERLOCKED WITH LV-6.
16. FURNISH AND INSTALL WITH DUCT UP THRU ROOF WITH GOOSENECK AND ALUMINUM BIRDSCREEN.
17. FURNISH AND INSTALL WITH BOLTED FLANGED INLET FOR DIRECT MOUNT TO MAXAIR FUME ARM.

GRILLE SCHEDULE

MARK	FRAME DIM	TYPE	PLENUM NECK DIM.	FUNCTION	CONSTRUCTION	FINISH	MODEL NUMBER	MFR	NOTES
C-1	24"x24"	3 CONE DIFFUSER	SEE DWG	SUPPLY AIR	STEEL	WHITE	TMS	TITUS	1-3
C-2	12"x12"	3 CONE DIFFUSER	SEE DWG	SUPPLY AIR	STEEL	WHITE	TMS	TITUS	1-3
R-1	24"x24"	REGISTER	SEE DWG	RETURN AIR	STEEL	WHITE	PAR	TITUS	1-3
E-1	8"x8"	REGISTER	SEE DWG	EXHAUST AIR	STEEL	WHITE	350	TITUS	1-3
E-2	18"x18"	REGISTER	SEE DWG	EXHAUST AIR	STEEL	WHITE	350	TITUS	1,2
E-3	48"x48"	REGISTER	SEE DWG	EXHAUST AIR	STEEL	WHITE	350	TITUS	1,2
E-4	12"x12"	REGISTER	SEE DWG	EXHAUST AIR	STEEL	WHITE	350	TITUS	1,2
E-5	36"x36"	REGISTER	SEE DWG	EXHAUST AIR	STEEL	WHITE	350	TITUS	1,2

ALTERNATE MANUFACTURER'S ACCEPTED PROVIDED THEY ARE EQUAL TO SPECIFIED EQUIPMENT INCLUDING ALL OPTIONS/ACCESSORIES LISTED BELOW.

NOTES:

1. SUBMIT MANUFACTURER'S SHOP DRAWINGS FOR APPROVAL, PRIOR TO ORDERING.
2. PROVIDE VOLUME DAMPERS AT TAKE-OFFS.
3. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR DETAILS REGARDING LAY-IN OR SURFACE-MOUNTED DIFFUSERS.

ROOFTOP UNIT SCHEDULE

UNIT MARK	MFR	MODEL #	NOMINAL UNIT CAP. TONS	SUPPLY CFM	O.A. CFM	HEATING SECTION		THERMAL EFFICIENCY	TEMP. RISE DEG F	COOLING CAPACITY MBH	TOTAL POWER KW	SEER	ELECTRICAL DATA			WEIGHT	NOTES
						INPUT MBH	OUTPUT MBH						MCA	MOCP	VOLT-PH		
RTU-1	ALLIED	KGB048S4BU	4.0	1,600	400	108	86	80%	30-70	49.7	4.1	14	23	30	208/230-3	804#	1-15

ALTERNATE MANUFACTURER'S ACCEPTED PROVIDED THEY ARE EQUAL TO SPECIFIED EQUIPMENT INCLUDING ALL OPTIONS/ACCESSORIES LISTED BELOW.

NOTES:

1. UNIT SHALL BE FURNISHED WITH MANUFACTURER'S FACTORY INSTALLED STANDARD ECONOMIZER (INCLUDES BAROMETRIC RELIEF DAMPER).
2. UNIT SHALL BE FURNISHED WITH FACTORY INSTALLED OUTDOOR AIR INTAKE HOOD.
3. UNIT SHALL BE FURNISHED WITH MANUFACTURER'S 7-DAY/24 HOUR PROGRAMMABLE THERMOSTAT ON 40 FT. LOOP IN SPACE.
4. UNIT SHALL BE FURNISHED WITH FACTORY INSTALLED POWER DISCONNECT SWITCH - WIRED TO ELECTRICAL PANEL.
5. UNIT SHALL BE FURNISHED WITH FACTORY INSTALLED GP SERVICE OUTLETS.
6. UNIT SHALL BE PROVIDED WITH MANUFACTURER'S FIELD INSTALLED 14" ROOF CURB, PROVIDE SUPPORT AS REQUIRED.
7. FURNISH AND FIELD INSTALL DUCT MOUNTED SMOKE DETECTOR FOR FAN SHUT DOWN WITH A REMOTE TEST SWITCH.
8. FURNISH AND FIELD INSTALL CO2 SENSORS PER CODE.
9. PROVIDE (4) 16"x20"x2" DISPOSABLE FILTERS.
10. PROVIDE COMPLETE SYSTEM WITH ONE YEAR WARRANTY.
11. UNIT SHALL BE FURNISHED AND INSTALLED WITH ECO-LAST COIL SYSTEM (STANDARD ON ALL ALLIED MODELS).
12. RTU FAN SHALL BE SET TO "ON" POSITION DURING OCCUPIED HOURS AND TO "AUTO" DURING UNOCCUPIED HOURS.
13. UNIT SHALL BE FURNISHED WITH OPTIONAL FACTORY INSTALLED STAINLESS STEEL HEAT EXCHANGER.
14. RTU UNITS SHALL BE PURCHASED WITH:
  - 15 YEAR STAINLESS STEEL HEAT EXCHANGER WARRANTY
  - 3 YEAR ECOLAST COIL SYSTEM WARRANTY
  - 5 YEAR COMPRESSOR WARRANTY
  - 5 YEAR OPT. HIGH PERFORMANCE ECONOMIZER WARRANTY
15. UNIT SHALL BE INSTALLED IN ACCORDANCE WITH 2018 IECC SECTION C403.5.5 "ECONOMIZER FAULT DETECTION".

GAS-FIRED SUSPENDED UNIT HEATER SCHEDULE

UNIT MARK	MFR & MODEL #	TYPE	FUEL	INPUT MBH	OUTPUT MBH	AIR TEMP RISE	AIR VOLUME	VENT/COMB INLET SIZE	V/PH	MOTOR HP	MOTOR TYPE/kW/AMPS	MCA	WEIGHT	NOTES
(3)SUH-1	STERLING TF175	SEPARATED COMBUSTION TUBULAR PROPELLER	NAT. GAS	175	145	46°	2,850	5"	115/1	1/3	PSC/0.25/5.8	9.5	191#	1-9

ALTERNATE MANUFACTURER'S ACCEPTED PROVIDED THEY ARE EQUAL TO SPECIFIED EQUIPMENT INCLUDING ALL OPTIONS/ACCESSORIES LISTED BELOW.

NOTES:

1. EQUIPMENT SHALL BE FURNISHED AND INSTALLED WITH 409 OR 316 STAINLESS STEEL HEAT EXCHANGER.
  - 10 YEAR HEAT EXCHANGER, FLUE COLLECTOR AND BURNER WARRANTY.
2. PROVIDE WITH WALL MOUNTED THERMOSTAT.
3. EQUIPMENT SHALL BE FURNISHED AND INSTALLED WITH VENTING INLET AIR FOR SEPARATED COMBUSTION.
4. EQUIPMENT SHALL BE FURNISHED AND INSTALLED WITH 30° DOWNWARD DEFLECTOR HOOD.
5. 115/1/60 VOLT FAN MOTOR WITH INTERNAL OVERLOAD PROTECTION.
6. DIRECT SPARK IGNITION SYSTEM.
7. INDIVIDUALLY ADJUSTABLE AND REMOVABLE LOUVERS.
8. PROVIDE WITH CONDENSATE DRAIN IF IS REQUIRED.
9. FURNISH AND INSTALL WITH MANUFACTURER'S SAFETY DISCONNECT SWITCH.

ELECTRIC WALL HEATER SCHEDULE

UNIT MARK	MFR	MODEL	SERVING	CAP. KW	AMPS	BTU/ HR	MOUNTING HEIGHT	VOLT/PH	NOTES
(4)EW-1	Q-MARK	CWH1201DSAF	TOILET 103, MOP 109, VESTIBULE 110 & TOILET 111	1.8	15	6,143	12" AFF	120/1	1-6
(2)EW-2	Q-MARK	CWH1201DSAF	UTILITY 108	1.8	15	6,143	12" AFF	120/1	1-6

ALTERNATE MANUFACTURER'S ACCEPTED PROVIDED THEY ARE EQUAL TO SPECIFIED EQUIPMENT INCLUDING ALL OPTIONS/ACCESSORIES LISTED BELOW.

NOTES:

1. FURNISH AND INSTALL WITH MFR'S DISCONNECT.
2. PROVIDE WITH THERMAL OVERLOAD PROTECTION.
3. TAMPER-PROOF T-STAT WITH RANGE OF 40-90°, ADJUSTABLE WITH A NARROW BLADE SCREWDRIVER THRU THE LOUVERS.
4. SUBMIT MANUFACTURER'S SHOP DRAWINGS FOR APPROVAL, PRIOR TO ORDERING.
5. FURNISH AND INSTALL WITH SURFACE MOUNTING FRAME, Q-MARK MODEL #CWHSMAG.
6. CLOSELY-SPACED LOUVERS DISCOURAGE INSERTION OF FOREIGN OBJECTS.

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REV.

PROJECT

BUS MAINTENANCE REMODELING FOR



STERLING HOLLEY CENTER

ROCKFORD, ILLINOIS

2000 CHRISTINA STREET

DRAWN

LEGACY  
DESIGNS

DATE

09-07-2022

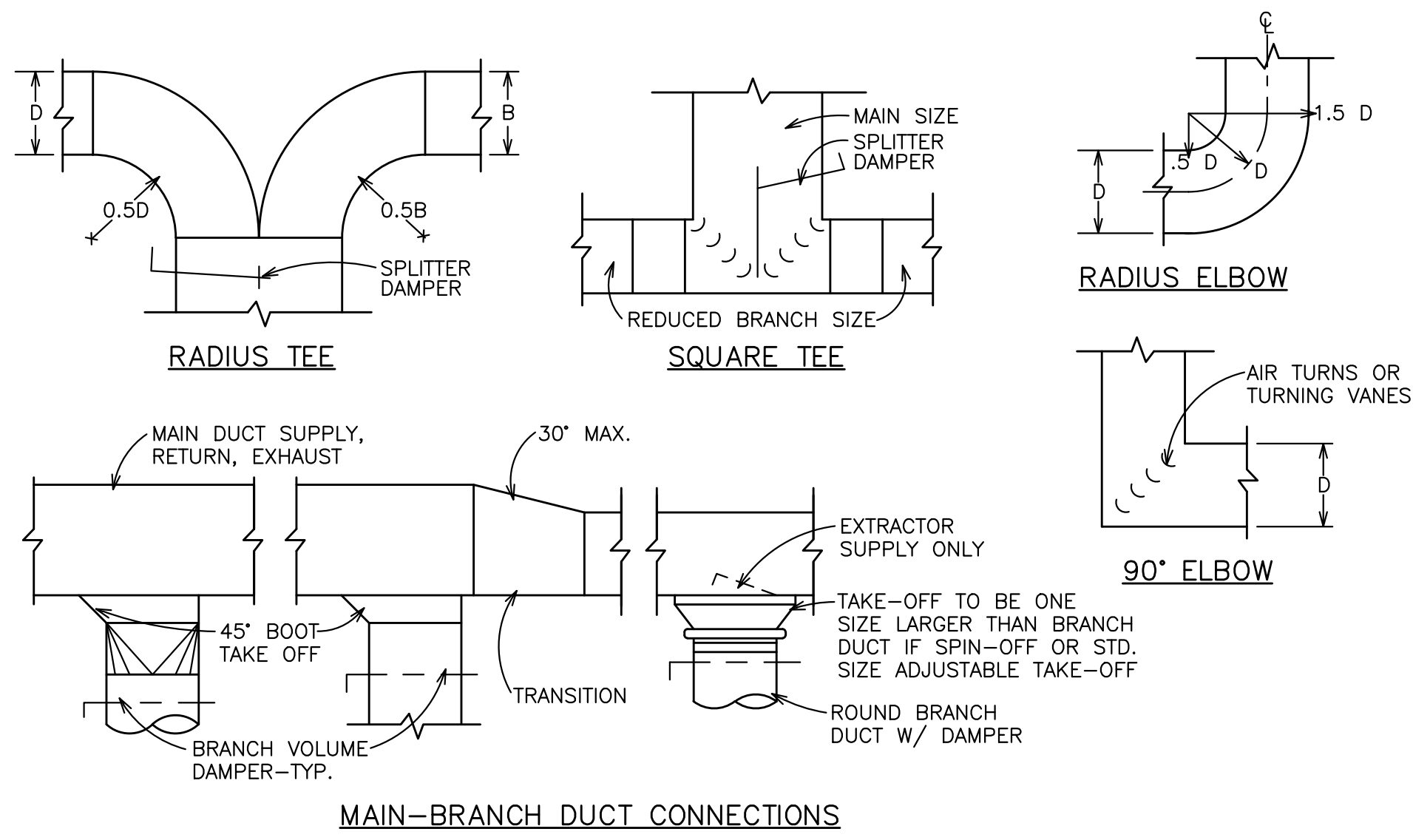
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**1155**  
SD205 #2126

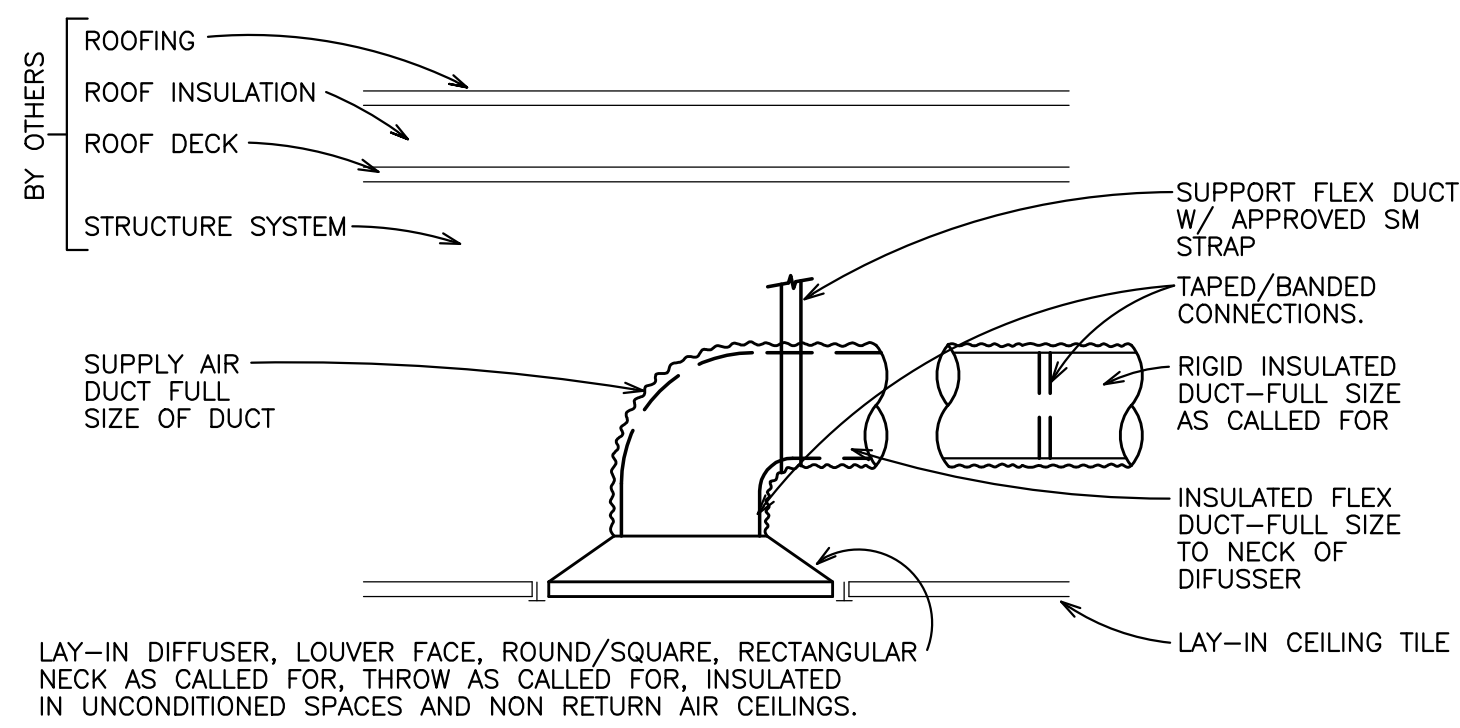
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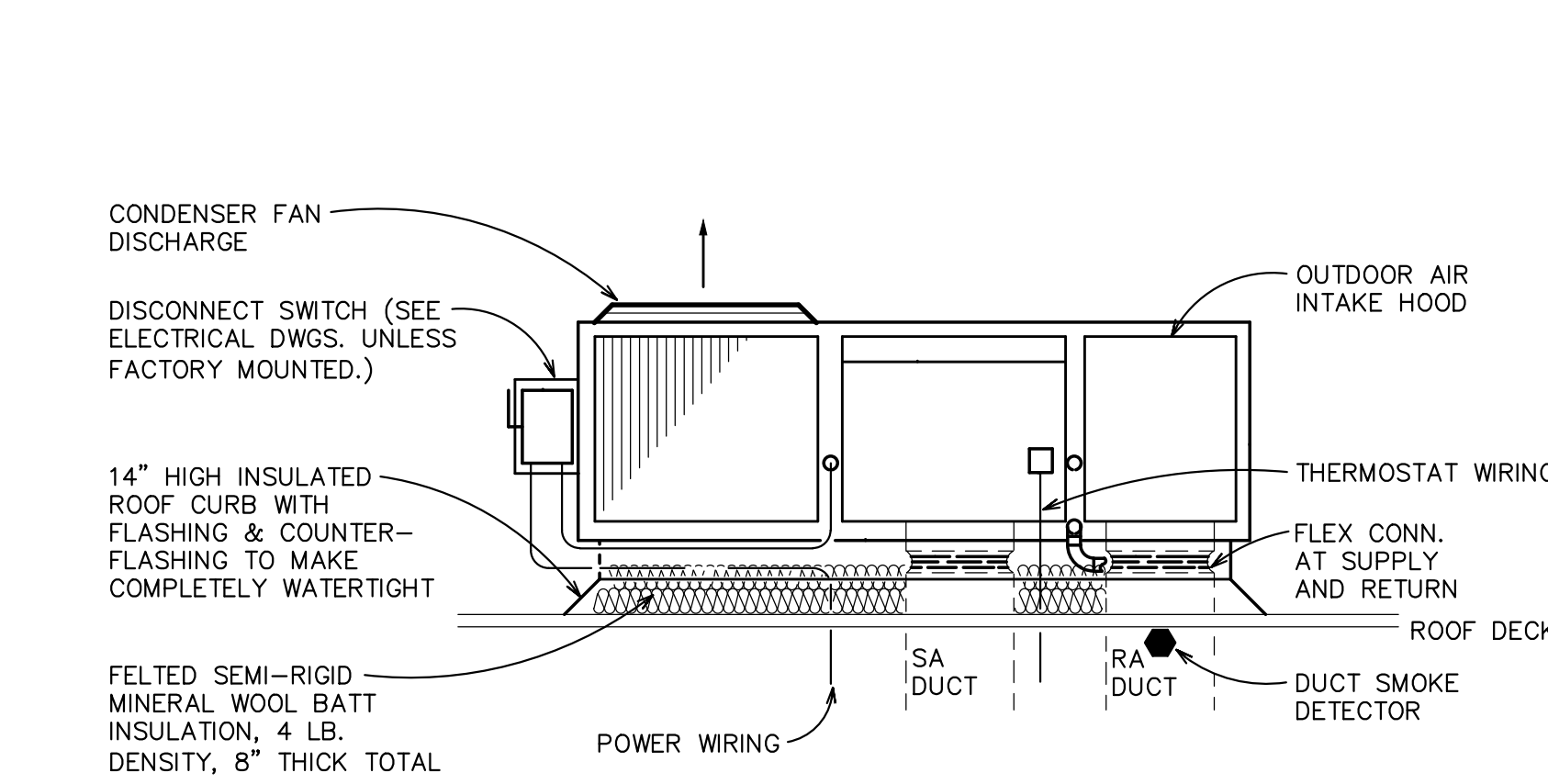




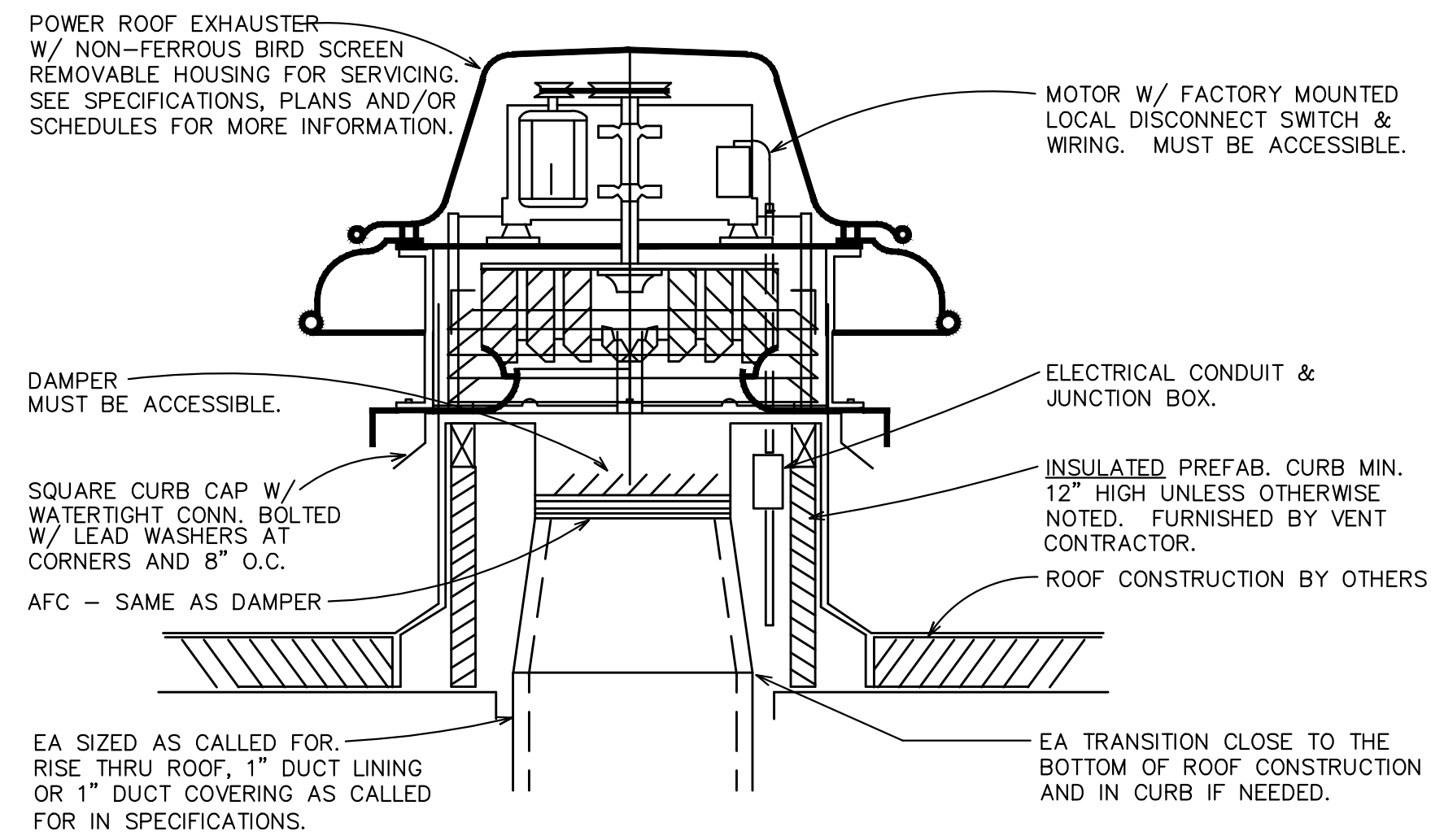
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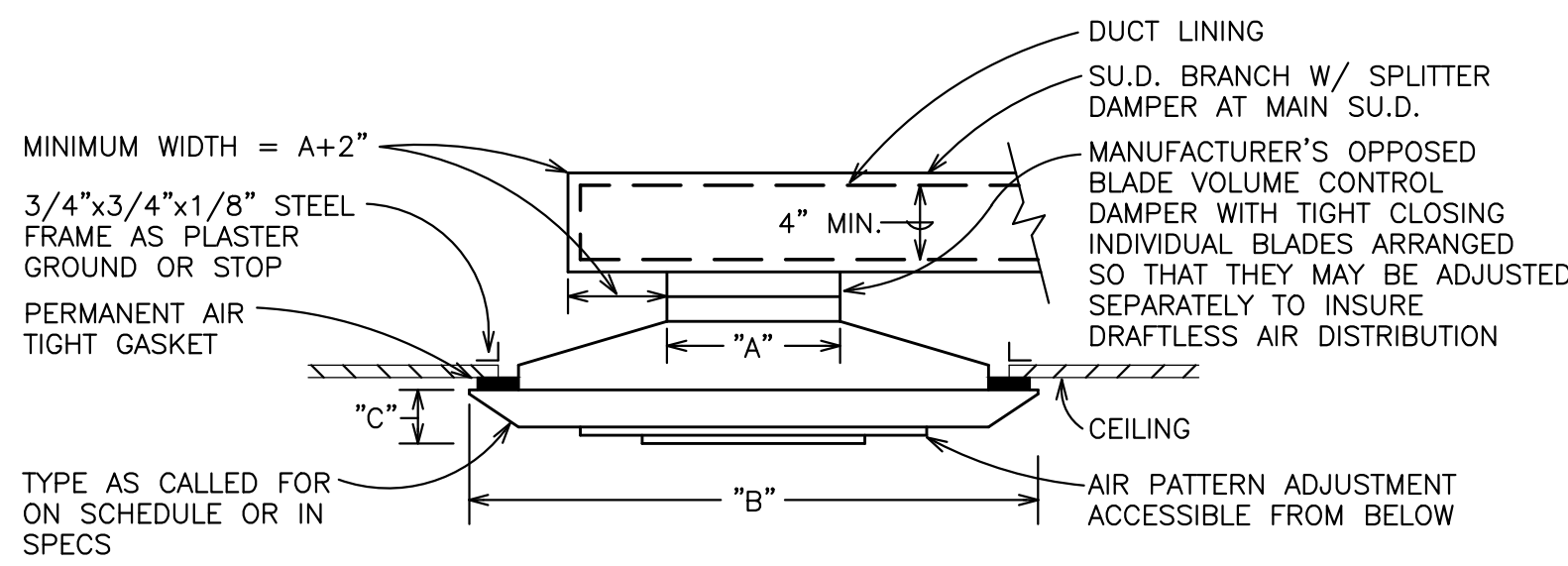
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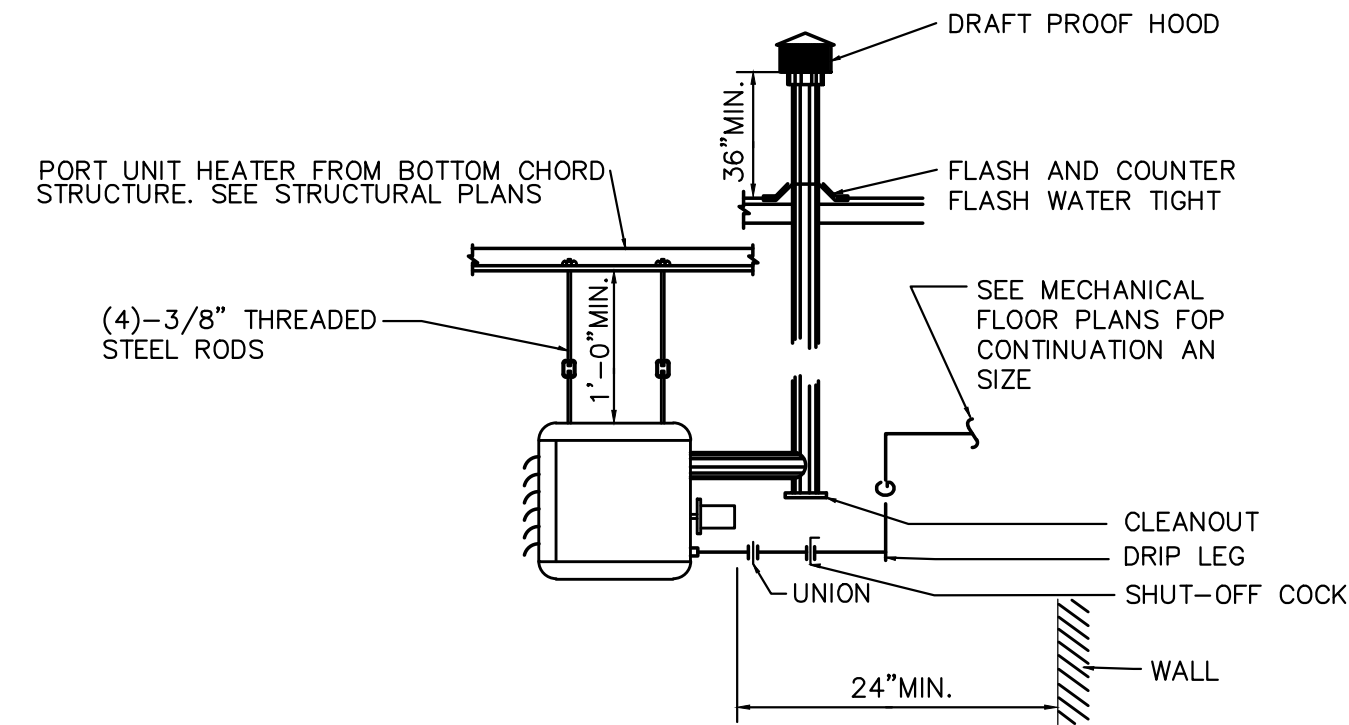
**ROOFTOP UNIT DETAIL**  
NO SCALE



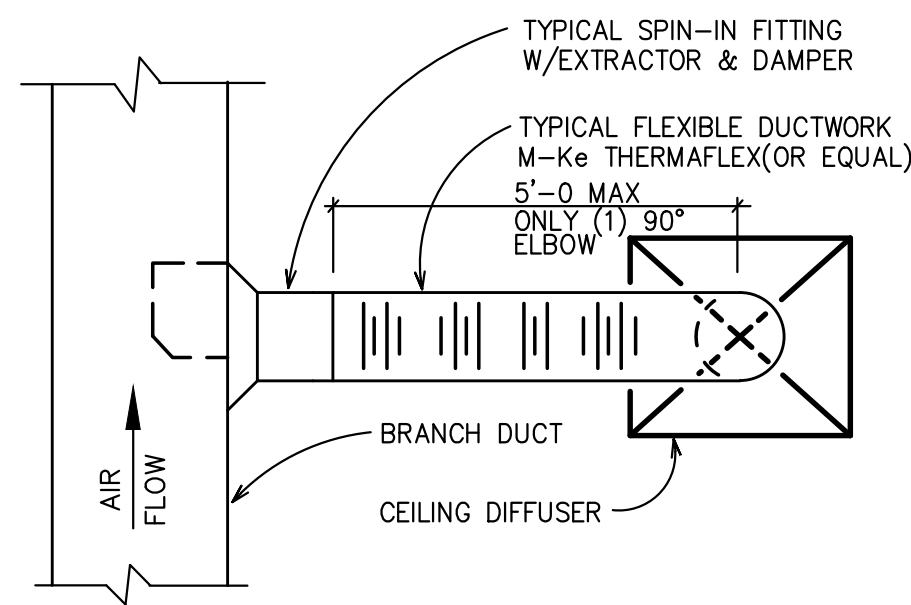
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**CEILING DIFFUSER SURFACE DETAIL**  
NO SCALE



**GAS-FIRED SUSPENDED UNIT HEATER DETAIL**  
NO SCALE



**TYPICAL FLEX TAKE-OFF DETAIL**  
NO SCALE  
NOTE: MINIMUM 2'-0" BETWEEN TAKE OFF'S



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**ROCKFORD PUBLIC SCHOOLS**  
**STERLING HOLLEY CENTER**  
2000 CHRISTINA STREET  
ROCKFORD, ILLINOIS

BUS MAINTENANCE REMODELING FOR

PROJECT

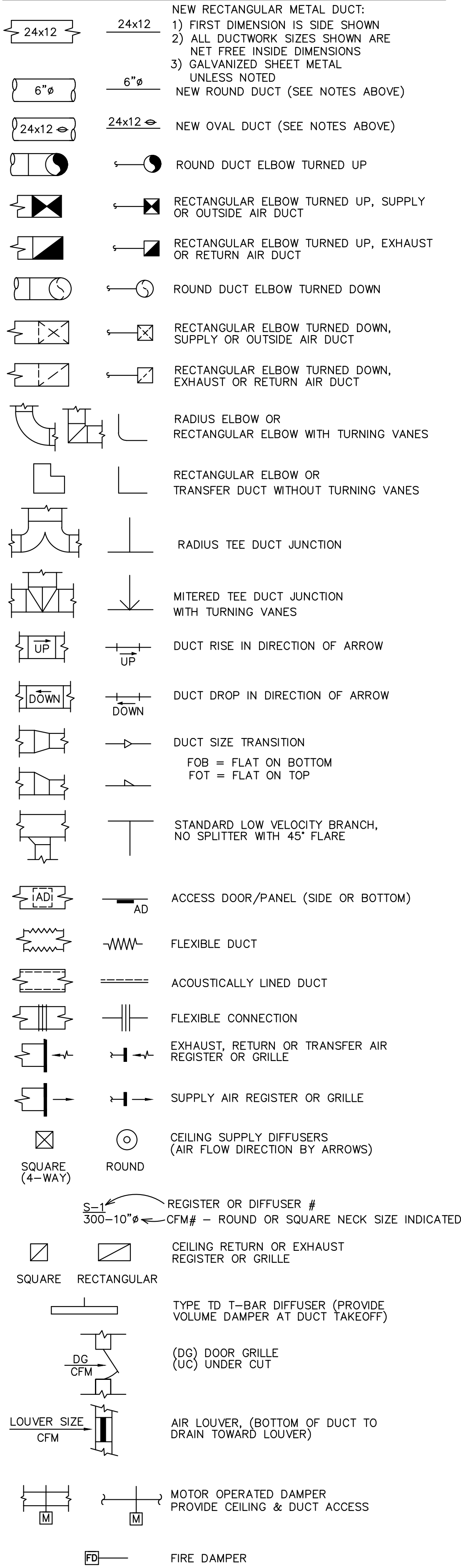
DRAWN **LEGACY DESIGNS**

DATE  
09-07-2022

PROJECT No.  
**1155**  
SD205 #2126

SHEET No.  
**M104**

DUCT AND EQUIPMENT SYMBOLS



CONTROL SYMBOLS



GENERAL NOTES

- DRAWINGS ARE GENERALLY DIAGRAMMATIC. EACH CONTRACTOR SHALL MAKE REQUIRED CHANGES FROM THE GENERAL ROUTING SHOWN ON THESE DRAWINGS SUCH AS OFF SETS, BENDS OR CHANGES IN ELEVATION DUE TO COORDINATION WITH THE WORK OF OTHER TRADES AND THE BUILDING CONSTRUCTION. ALL CHANGES SHALL BE MADE WITHOUT ADDITIONAL COST TO THE OWNER. FOR PRESENT CONSTRUCTION, VERIFY ALL EXISTING CONDITIONS PRIOR TO BIDDING TO AVOID CONFLICT. IT IS INTENDED THAT ALL EQUIPMENT, MATERIAL, DEVICES, ETC., SHALL BE LOCATED SYMMETRICALLY WITH THE ARCHITECTURAL ELEMENTS, NOTWITHSTANDING THE FACT THAT LOCATIONS INDICATED BY THESE DRAWINGS MAY BE DISTORTED FOR CLARITY OF PRESENTATION.
- ALL MECHANICAL WORK SHALL CONFORM WITH THE INTERNATIONAL MECHANICAL CODES 2015, LOCAL & MUNICIPAL CODES AND AUTHORITY HAVING JURISDICTION.
- EACH CONTRACTOR SHALL CHECK DRAWINGS OF THE OTHER TRADES TO VERIFY THEIR WORK WILL BE INSTALLED CLEAR OF OBSTRUCTIONS. MAINTAIN ADEQUATE HEADROOM AT ALL POINTS IN THE BUILDING, WHERE HEADROOM OR SPACE CONDITIONS APPEAR INADEQUATE, NOTIFY ARCHITECT BEFORE PROCEEDING WITH THE INSTALLATION.
- FURNISH ALL TRADES ADVANCE INFORMATION ON LOCATIONS AND SIZES OF PIPING, DUCTWORK, EQUIPMENT, FRAMES, BOXES, SLEEVE AND OPENINGS NEEDED FOR WORK. FURNISH INFORMATION AND SHOP DRAWINGS TO PERMIT OTHER TRADES TO COORDINATE THEIR WORK.
- WHERE WORK OF ONE TRADE WILL INTERFERE WITH WORK OF ANOTHER TRADE, ALL TRADES SHALL ASSIST TO WORK COORDINATE THEIR WORK.
- PRIOR TO BIDDING THE HVAC CONTRACTOR SHALL REVIEW ALL DRAWINGS AND COORDINATE WORK. CONTRACTOR SHALL IMMEDIATELY REPORT TO THE ARCHITECT ANY INCONSISTENCIES OR INTERFERENCE WITH HIS WORK.
- CONTRACTOR SHALL COORDINATE ALL CEILING DIFFUSERS, REGISTERS, AND/OR GRILLES WITH SUSPENDED CEILING AND LIGHT PATTERNS. OPENINGS SHALL BE IN CENTER OF TILES.
- SHEETMETAL DUCT SIZES MAY BE ALTERED TO FIT JOB CONDITIONS, BUT NET FREE AREAS MUST BE MAINTAINED. INCREASE SHEETMETAL DUCT SIZE TO ALLOW FOR DUCT LINING WHERE USED. WRAP ALL DUCTWORK EXCEPT AS NOTED. MAXIMUM DUCT ASPECT RATIO 1:5
- ALL DUCTWORK TO BE HELD TIGHT TO STRUCTURAL ROOF JOISTS, BEAMS, ETC., AS CLEARANCE IS MINIMAL. COORDINATE WITH OTHER CONTRACTORS TO AVOID CONFLICT.
- CONTRACTOR SHALL INCLUDE IN HIS WORK THE RELOCATION OF ALL CROSS BRACING, AS REQUIRED TO FIT DUCTS BETWEEN JOISTS. THIS WORK SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR WITH ARCHITECTURAL APPROVAL.
- CONTRACTOR SHALL PROVIDE ALL DUCT DROPS AND OFFSETS TO AVOID INTERFERENCES WITH JOISTS, OTHER DUCTS, LIGHTS, PIPES, ETC.
- ALL THERMOSTATS LOCATED UP 4'-6" TO 5'-0" TO MATCH ADJACENT LIGHT SWITCHES AND WITH PLASTIC OR CAST GUARDS AS SPECIFIED. ALL THERMOSTATS LOCATED ON EXTERIOR WALLS OR COLUMNS MUST BE MOUNTED ON THERMAL INSULATING BLOCKS.
- CONTRACTOR SHALL PROVIDE COOLING COIL CONDENSATE DRAIN LINES FROM AIR HANDLING UNIT TO DRAIN.
- HEATING, VENTILATING, AIR CONDITIONING AND ELECTRICAL DESIGNS ARE BASED ON THE REQUIREMENTS FOR THE SPECIFIED EQUIPMENT MANUFACTURER. CONDUITS, DISCONNECTS, BREAKERS, FUSES AND WIRE SIZES ARE SELECTED ON THE BASIS OF SPECIFIED EQUIPMENT MANUFACTURER. INCREASED CURRENT REQUIREMENTS NECESSITATING LARGER WIRE, BREAKERS, FUSES, SWITCHES, ETC., TO ACCOMMODATE ANY ALTERNATE OR SUBSTITUTE MANUFACTURER'S EQUIPMENT OTHER THAN AS SHOWN ON DRAWINGS OR SCHEDULES SHALL BE PROVIDED WITHOUT INCREASE IN CONTRACT PRICE BY THE CONTRACTOR IN FURNISHING EQUIPMENT.
- INSTALL 1" OF NON-SHRINK GROUT AROUND DUCTWORK AND PIPING ON EACH WALL FACE TO SEAL OPENINGS AND ELIMINATE SOUND TRANSFER WITH AIR-TIGHT CONNECTIONS.
- EXTEND RTU EXHAUST TO MAINTAIN 10 FT SEPARATION TO ANY AIR INTAKES. VERIFY LOCATION, CONFIRM WITH LOCAL INSPECTORS AS TO REQUIREMENTS.
- GUARDS SHALL BE PROVIDED WHERE APPLIANCES EQUIPMENT, FANS OR OTHER COMPONENTS THAT REQUIRE SERVICE ARE LOCATED WITHIN 10 FT OF ROOF EDGE OR OPEN SIDE OF A WALKING SURFACE AND SUCH EDGE OR OPEN SIDE IS LOCATED MORE THAN 30 INCHES ABOVE THE FLOOR, ROOF OR GRADE BELOW. THE GUARD SHALL BE EXTEND NOT LESS THAN 30 INCHES BEYOND EACH END OF EQUIPMENT AND THE TOP OF THE GUARD SHALL BE LOCATED NOT LESS THAN 42 INCHES ABOVE ELEVATED SURFACE.
- DUCT INSULATION AND SEALING**  
DUCT INSULATION SHALL CONFORM TO THE REQUIREMENTS OF 2018 IMC SECTION 604 AND 2018 IECC SECTION C403.11.1 FOR COMMERCIAL BUILDINGS AND R403.3.1 FOR RESIDENTIAL BUILDINGS.  
A. COMMERCIAL BUILDINGS  
SUPPLY AND RETURN AIR DUCTS AND PLENUMS SHALL BE INSULATED WITH NOT LESS THAN R-6 INSULATION WHERE LOCATED IN UNCONDITIONED SPACES AND WHERE LOCATED OUTSIDE THE BUILDING WITH NOT LESS THAN R-8 INSULATION IN CLIMATE ZONES 1-4 AND NOT LESS THAN R-12 INSULATION IN CLIMATE ZONES 5-8, WHERE LOCATED WITHIN A BUILDING ENVELOPE ASSEMBLY, THE DUCT OR PLENUM SHALL BE SEPARATED FROM THE BUILDING EXTERIOR OR UNCONDITIONED OR EXEMPT SPACES BY NOT LESS THAN OF R-8 INSULATION IN CLIMATE ZONES 1-4 AND NOT LESS THAN R-12 INSULATION IN CLIMATE ZONES 5-8. EXCEPTION: WHERE LOCATED WITHIN EQUIPMENT.  
EXCEPTION: WHERE THE DESIGN TEMPERATURE DIFFERENCE BETWEEN THE INTERIOR AND EXTERIOR OF THE DUCT OR PLENUM IS NOT GREATER THAN 15 DEG. F.  
DUCTS, AHU & FILTER BOXES SHALL BE SEALED. JOINTS AND SEAMS SHALL COMPLY WITH IMC SECTION 603.9.
- SUPPORTS AND ANCHORS**  
A. MANUFACTURERS: GRINNELL, B-LINE, O.Z. GEDNEY, MICHIGAN HANGER, BERGEN-CARPENTER AND PATERSON.  
B. USE MATERIALS COMPATIBLE WITH PIPING SYSTEMS AVOIDING ELECTROLYTIC ACTION AND CONFORM TO ANSI/ASME B31, NFPA, MSS SP-58, 69, 89.  
C. WIRE ARE NOT ALLOWED TO BE USED AS A HANGER SUPPORT.
- TESTING AND BALANCING**  
A. AIR BALANCING SHALL BE ACCOMPLISHED BY ADJUSTMENT OF ADJUSTABLE FAN SHEAVES.  
BRANCH DAMPERS ARE TO BE USED FOR ANY REQUIRED TRIM ADJUSTMENT.  
B. THE CONTRACTOR SHALL PROVIDE ALL LABOR AND EQUIPMENT INCLUDING SHEAVES AS REQUIRED TO BALANCE AIR SYSTEMS IN ACCORDANCE WITH QUANTITIES SHOWN.  
C. BALANCING SHALL BE PERFORMED UNDER THE SUPERVISION OF A PROFESSIONAL ENGINEER AND REPORT SHALL BE PROVIDED ON AABC TYPE FORMS.
- AIR DISTRIBUTION SYSTEMS**  
A. AIR TERMINALS  
1. PROVIDE SUPPLY AND RETURN AIR DIFFUSERS/REGISTERS AS SHOWN ON SCHEDULES.  
B. SHEET METAL WORK  
1. EXCEPT AS OTHERWISE SHOWN OR NOTED, ALL DUCTWORK AND OTHER SHEET METAL WORK SHALL BE GALVANIZED SHEET STEEL AND SHALL BE INSTALLED IN ACCORDANCE WITH SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION, INC. (SMACNA) DUCT CONSTRUCTION STANDARDS. DUCT SYSTEMS TO BE 2" PRESSURE CLASS.  
2. ALL DUCT DIMENSIONS INDICATED ON THE PLANS ARE INSIDE CLEAR DIMENSIONS.  
3. SUPPLY DUCTWORK TO BE RECTANGULAR WITH HEMMED "S" LONGITUDINAL SEAMS AND DUCTMATE TRANSVERSE JOINTS.  
4. MANUAL VOLUME DAMPERS: GALVANIZED STEEL, PER SMACNA EXCEPT PROVIDE BEARING AT ONE END OF DAMPER ROD AND QUADRANT, WITH LEVER AND LOCKSCREW AT THE OPPOSITE END. FOR INSULATED DUCTS, QUADRANTS MOUNTED ON COLLAR TO CLEAR INSULATION. LEVERS MUST BE ACCESSIBLE.  
C. EXHAUST DUCTWORK ELBOWS TO BE LONG RADIUS TYPE.  
D. ACCESS DOORS SHALL BE PROVIDED IN DUCTWORK WHEREVER CONTROLS, CONTROL DAMPERS, COILS, & INSTRUMENTS ARE INSTALLED.  
E. THE PLENUM CHAMBER THAT IS USED FOR REDIRCULATION OF AIR SHALL BE OF TIGHT CONSTRUCTION AND ALL SOURCES OF AIR CONTAMINATION FROM TRAPS, SOIL STACKS, DOWNSPOUTS, VENTS, EXHAUST DISCHARGE AND OTHER SOURCES WILL BE ENCLOSED SO THAT NO CONTAMINATED AIR WILL BE REDIRCULATED.
- CONTROL SYSTEM WIRING**  
A. HVAC CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL CONTROL WIRING FOR HVAC EOPM.
- SHUTOFF DAMPERS (MANDATORY)**  
A. PER 2018 IECC SECTION C407.7, OUTDOOR AIR INTAKE AND EXHAUST OPENINGS AND STAIRWAY AND SHAFT VENTS SHALL BE PROVIDED WITH CLASS 1 MOTORIZED DAMPERS. THE DAMPERS SHALL HAVE AN AIR LEAKAGE RATE NOT GREATER THAN 4 CFM/SQ. FT. OF DAMPER SURFACE AREA AT 1.0 INCH WATER GAUGE (249 Pa) AND SHALL BE LABELED BY AN APPROVED AGENCY WHEN TESTED IN ACCORDANCE WITH AMCA 5000 FOR SUCH PURPOSE.  
B. OUTDOOR AIR INTAKE AND EXHAUST DAMPERS SHALL BE INSTALLED WITH AUTOMATIC CONTROLS CONFIGURED TO CLOSE WHEN THE SYSTEMS OR SPACES SERVED ARE NOT IN USE OR DURING UNOCCUPIED PERIOD WARM-UP AND SETBACK OPERATION, UNLESS THE SYSTEMS SERVED REQUIRE OUTDOOR OR EXHAUST AIR IN ACCORDANCE WITH THE IMC OR THE DAMPERS ARE OPENED TO PROVIDE INTENTIONAL ECONOMIZER COOLING.  
C. STAIRWAY AND SHAFT VENT DAMPERS SHALL BE INSTALLED WITH AUTOMATIC CONTROLS CONFIGURED TO OPEN UPON THE ACTIVATION OF ANY FIRE ALARM INITIATING DEVICE OF THE BUILDING'S FIRE ALARM SYSTEM OR THE INTERRUPTION OF POWER TO THE DAMPER.  
EXCEPTION: NONMOTORIZED GRAVITY DAMPERS SHALL BE AN ALTERNATIVE TO MOTORIZED DAMPERS FOR EXHAUST AND ROOF OPENINGS AS FOLLOWS:  
1. IN BUILDINGS LESS THAN THREE STORIES IN HEIGHT ABOVE GRADE PLANE.  
2. IN BUILDINGS OF ANY HEIGHT LOCATED IN CLIMATE ZONES 1, 2 OR 3.  
3. WHERE THE DESIGN EXHAUST CAPACITY IS NOT GREATER THAN 300 CFM.

HVAC SPECIFICATIONS

**15050 BASIC MECHANICAL MATERIALS AND METHODS**  
Provide complete systems as called for, and/or as shown, and/or specified. HVAC contractor to furnish and completely install the system, service, equipment, or material named, together with other associated devices, equipment, materials, wiring, piping, etc., as required to perform work called for, shall be responsible to the HVAC Contractor. Secure all permits for work as required. Where "furnish and install", "provide", "furnish", "install" or equivalent words are used, they mean that the contractor shall furnish and completely install the system, service, equipment or material named, together with other associated devices, equipment, material, wiring, piping, etc., as required for a complete operating installation.

**STANDARDS, CODES AND REGULATIONS**  
Equipment, devices, apparatus and installations to be in full compliance with applicable standards, requirements, rules, regulations, codes, statutes, ordinances, etc., local, city, county, state government, Illinois Administrative Code, Owner's insurance company, local gas and electric utilities, labor regulations. Changes required to conform to requirements shall be made without increase in contract price as approved by the Architect.

Electrical equipment, wiring, gas burning equipment, handling and storage equipment, all hydronic piping, refrigeration piping, insulating materials, etc., shall comply with requirements of NFPA, NEC, UL, ASH, ASHRAE, EPA, BOCA, local and all applicable state and federal safety codes; for a particular type installation and shall be so labeled where applicable.

**MATERIALS**  
Materials to be of new grade, U.S. make and quality specified.

**WIRING**  
Wiring to be in compliance with latest N.E.C. and all applicable codes. Line wires, of proper size, shall be furnished by Electrical Contractor, with final power connections made by Electrical Contractor. Heating Contractor, within his contract, shall be responsible for all control wiring of equipment, pre-wired devices, panels, disconnect switches, starters, interlocks, controls, etc., to give a complete/satisfactory operating system.

**COORDINATION**  
Before any work is installed and before any equipment is purchased, contractor shall check all specifications and drawings for every trade and job conditions and any lack of coordination between his work and the specifications and drawings or job conditions shall be immediately reported to the Architect, in writing. The Architect will work out conflicts and adjustments in contract prices. Changes in equipment shall be incorporated in the shop drawings. If contractor fails to call such lack of coordination between specifications, drawings and job conditions to the Architect's attention, in writing, before any work is done or before equipment is purchased, it will be assumed that no conflicts exist. If conflicts arise during the construction period, they shall be immediately reported to the Architect in writing and they will be worked out by the Architect, but no increase in contract price will be allowed. The Architect's decisions shall be final. When heating and cooling equipment is operated by the Heating Contractor, the Heating Contractor shall be solely responsible for the operation and safety of such equipment. When heating and cooling equipment is operated by the owner (or other contractors), the owner (or other contractors) shall be solely responsible for the operation and safety of such equipment.

**QUARANTEE**  
HVAC Contractor shall guarantee all equipment, apparatus, materials and workmanship entering into this contract and shall replace all parts at his own expense which have proven defective within one (1) year from formal acceptance. Individual items shall be guaranteed as called for in addition to the above.

**SUBMITTALS**  
Each respective contractor shall submit to the Architect for approval, before construction is started, seven (7) copies of shop drawings for equipment, devices, material, controls, accessories, wiring diagrams, etc., for respective installation.

**SPECIAL SUPERVISION AND INSTRUCTIONS**  
Each specialized installation shall be made under the supervision of a factory trained engineer or contractor's superintendent who shall (a) submit a written report that the installation has been installed in keeping with the specified requirements and the manufacturer's standards; (b) instruct the Owner's operating personnel before final acceptance; (c) prepare permanent form operating instructions, parts lists, wiring diagrams and control diagrams, in booklet form, in triplicate, turned over to Owner and (d) certify that the installation is operating satisfactorily under the Owner's personnel and certify that the Owner's personnel are trained on systems and equipment per manufacturer's guidelines.

**CUTTING AND PATCHING**  
Contractor shall set sleeves and inserts required for intakes, piping, hangers, louvers, ventilators, ductwork, etc., in construction. Supply General Contractor with complete information as to size and location of openings, through walls, floors, roofs, etc., for installation of this work if this information is not supplied before new walls or floors are built. HVAC contractor shall cut all openings as approved by the Architect. Patching and rebuilding required to patch openings, and to restore construction to its original condition before cutting, using skilled craftsmen, as approved by the Architect. Shall be performed by others. Openings shall be accurately located, as small as possible, and neatly and cleanly cut. Wall openings shall be neatly cemented and wall frames grouted in place by Heating contractor.

**15815 METAL DUCTS**  
Sheet metal ductwork to be installed, constructed, fabricated, etc., in accordance with the latest SMACNA manual, all local codes; galvanized sheet steel or 2s or 3s aluminum sheets. Furnish volume dampers with extended locking quadrants. Provide sealed hinged-removable access doors where called for and/or required for access to controls, operators, sensors, filters, dampers, etc..

**FLEXIBLE DUCTWORK**  
Flexible ducts shall be of Wiremold, Flexmaster, Thermaflex, Genflex, or approved make, Wiremold type WG constructed of high temperature, vinyl organosol coated glass fabric; 14 oz. and cold rolled corrosion-resistant coated steel spiral. Duct shall be factory pre-insulated with minimum of 1" of 3/4 lb. density glass fiber blanket, sheathed with an exterior flame-resistant vinyl vapor barrier. Strap clamps shall be plastic trap or stainless steel draw-up clamps for securing flexible air duct. Prior to clamping, duct shall be sealed as per manufacturer's recommendations. Flexible duct to be suitable for use with system pressure rating and design. FLEXIBLE DUCT RUNS SHALL NOT EXCEED MAXIMUM LENGTH DICTATED BY LOCAL CODE.

**15820 DUCT ACCESSORIES**  
Flexible connections, as called for on drawings, to be fire-water-weather-resistant fabric as manufactured by Ventfab or approved make.

**SECTION 15855 - DIFFUSERS, REGISTERS, AND GRILLES**  
GENERAL  
Submittals: Product Data for each model indicated.

**PRODUCTS**  
Diffusers, registers, and grilles are scheduled on Drawings.

**EXECUTION**  
Install diffusers, registers, and grilles level and plumb, according to manufacturer's written instructions, Coordination Drawings, original design, and referenced standards.

Ceiling-Mounted Outlets and Inlets: Drawings indicate general arrangement of ducts, fittings, and accessories. Air outlet and inlet locations have been indicated to achieve design requirements for air volume, noise criteria, airflow pattern, throw, and pressure drop. Make final locations where indicated, as much as practicable. For units installed in ceiling panels, locate for units in the center of the panel. Where architectural features or other items conflict with installation, notify Architect for a determination of final location.

Install diffusers, registers, and grilles with airtight connection to ducts and to allow service and maintenance of dampers, air extractors, and fire dampers.

Install diffusers, registers, and grilles according to NFPA 90A, Standard for the Installation of Air-Conditioning and Ventilating Systems.

After installation of diffusers, registers, and grilles, inspect exposed finish. Clean exposed surfaces to remove burrs, dirt, and smudges. Replace diffusers, registers, and grilles that have damaged finishes.

END OF SECTION 15855

**OPENINGS, SLEEVES AND CHASES**  
Contractor shall set sleeves and inserts required for piping, hangers, intakes, louvers, ventilators, ductwork, curbs, etc., in construction. Contractor to furnish General Contractor with complete information as to size and location of openings through walls, floors, roofs, etc., for installing this work. If this information is not supplied before new walls, floors, roofs, etc., are built, respective Contractor shall furnish, cut and patch all required openings for installation of equipment, material, devices, etc., as required and approved by the Architect. For new construction, General Contractor will cut holes through roof and Roofing Contractor will do all flashing, roof patching, etc., unless otherwise noted. Roof openings 18" and larger shall be framed with headers connected to roof joists with steel members framed between. All roofing work and equipment to meet requirements of National Association of Roofing Contractors.

ABBREVIATIONS

ACCU	AIR COOLED CONDENSING UNIT	KW	KILOWATT
AFT	ABOVE FINISH FLOOR	MBH	THOUSAND BTU'S PER HOUR
BDD	BACKDRAFT DAMPER	MCA	MINIMUM CIRCUIT AMPACITY
BTU	BRITISH THERMAL UNIT	MECH	MECHANICAL
CFM	CUBIC FEET PER MINUTE	MIN	MINIMUM
CLG	CEILING	MNT	MOUNTED
DB	DRY BULB	NTS	NOT TO SCALE
DWG(S)	DRAWING, DRAWINGS	OA	OUTSIDE AIR
EA	EXHAUST AIR	OED	OPEN ENDED DUCT
EF	EXHAUST FAN	RA	RETURN AIR
EH	ELECTRIC HEATER	RF	RETURN AIR FAN
ERC	ELECTRIC REHEAT COIL	RLA	RUNNING LOAD AMPS
FLA	FULL LOAD AMPS	RPM	REVOLUTIONS PER MINUTE
GF	GAS FURNACE	SA	SUPPLY AIR
GWH	GAS WATER HEATER	TD	AIR TRANSFER DUCT
HP	HORSEPOWER, HEAT PUMP	TYP	TYPICAL
HVAC	HEATING VENTILATING AIR CONDITIONING	V	VOLTS
		VD	AIR VOLUME DAMPER

The Mechanical Contractor shall be responsible to cut and patch necessary wall or floor openings and provide materials and hardware for complete installation.

THIS PROJECT HAS BEEN DESIGNED TO MEET ALL THE APPLICABLE CODES PERTAINING TO HEATING, VENTILATING AND AIR CONDITIONING. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INSTALL THE SYSTEMS AS DESIGNED AND IN A MANNER THAT MEETS THE APPROPRIATE CODE REQUIREMENTS AND MANUFACTURER RECOMMENDATIONS.



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BUS MAINTENANCE REMODELING FOR

PROJECT

ROCKFORD PUBLIC SCHOOLS

STERLING HOLLEY CENTER

2000 CHRISTINA STREET

ROCKFORD, ILLINOIS

DRAWN BY  
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DATE  
09-07-2022

PROJECT No.  
**1155**  
SD205 #2126

SHEET No.  
**M105**

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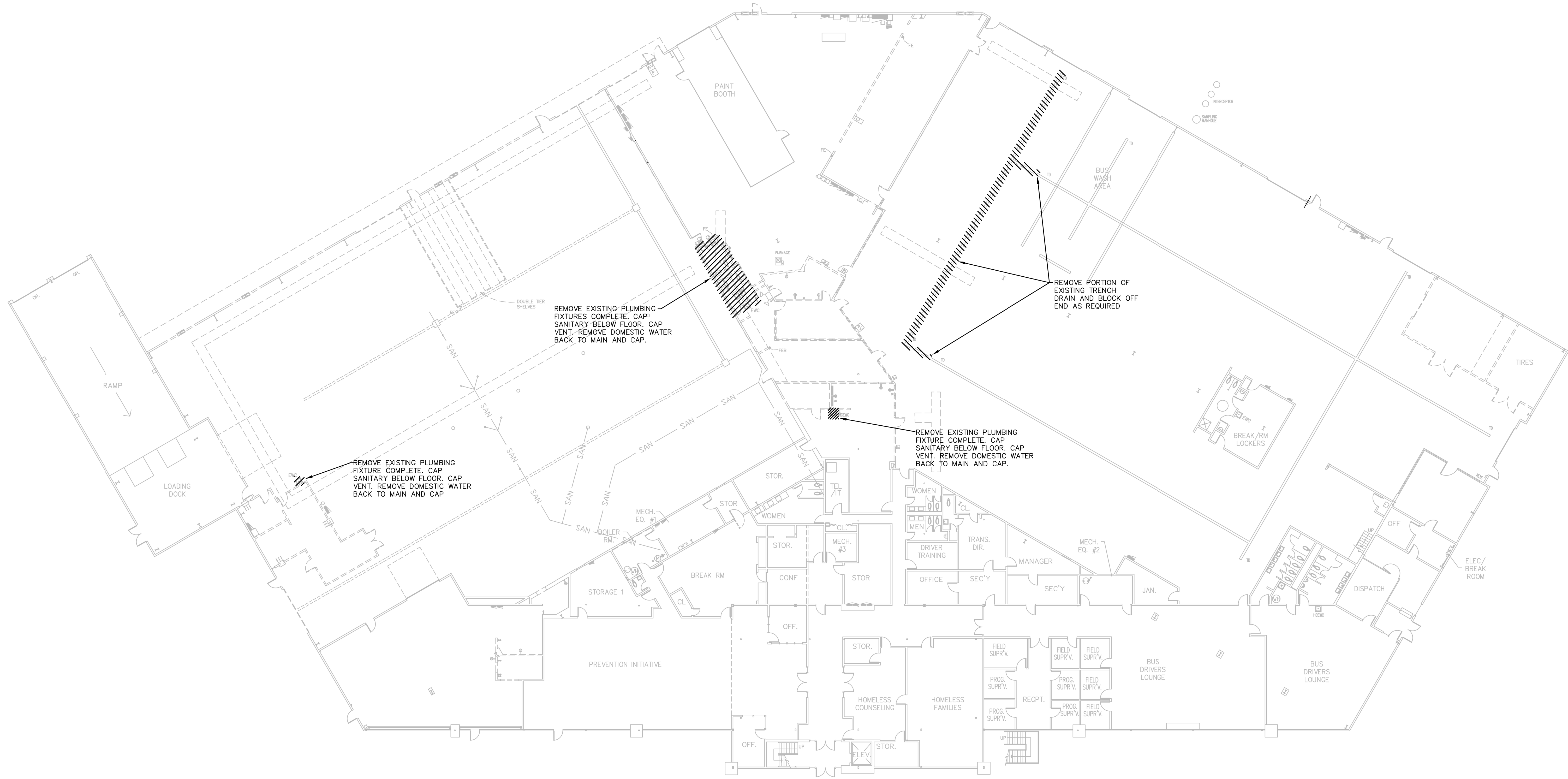
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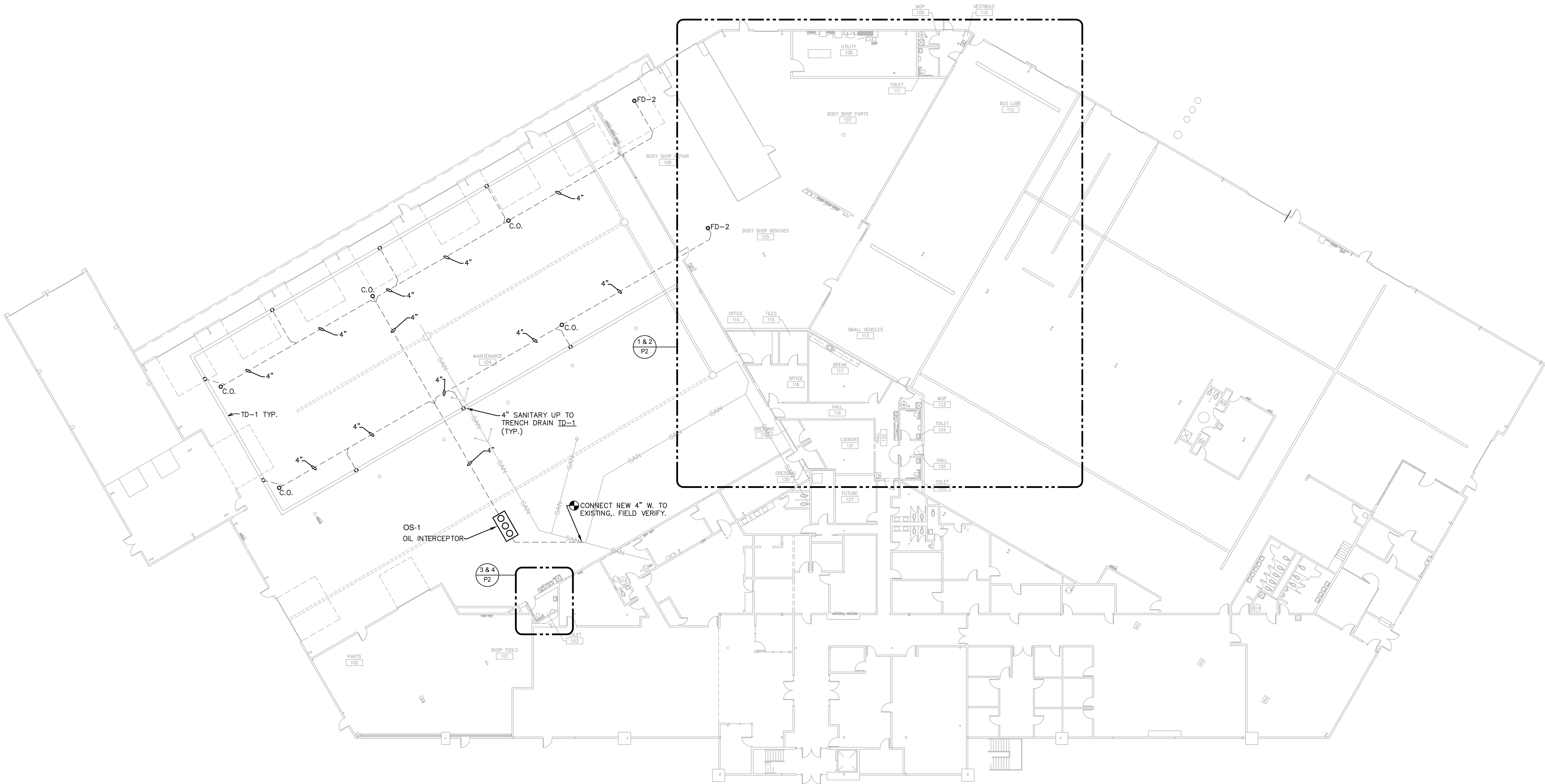
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**PD101**



PLUMBING  
DEMOLITION FLOOR PLAN  
SCALE: 1/16"=1'-0"



PLUMBING  
REVISED FLOOR PLAN  
SCALE: 1/16"=1'-0"



PROJECT

BUS MAINTENANCE REMODELING FOR  
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PUBLIC SCHOOLS  
**STERLING HOLLEY CENTER**  
2000 CHRISTINA STREET  
ROCKFORD, ILLINOIS

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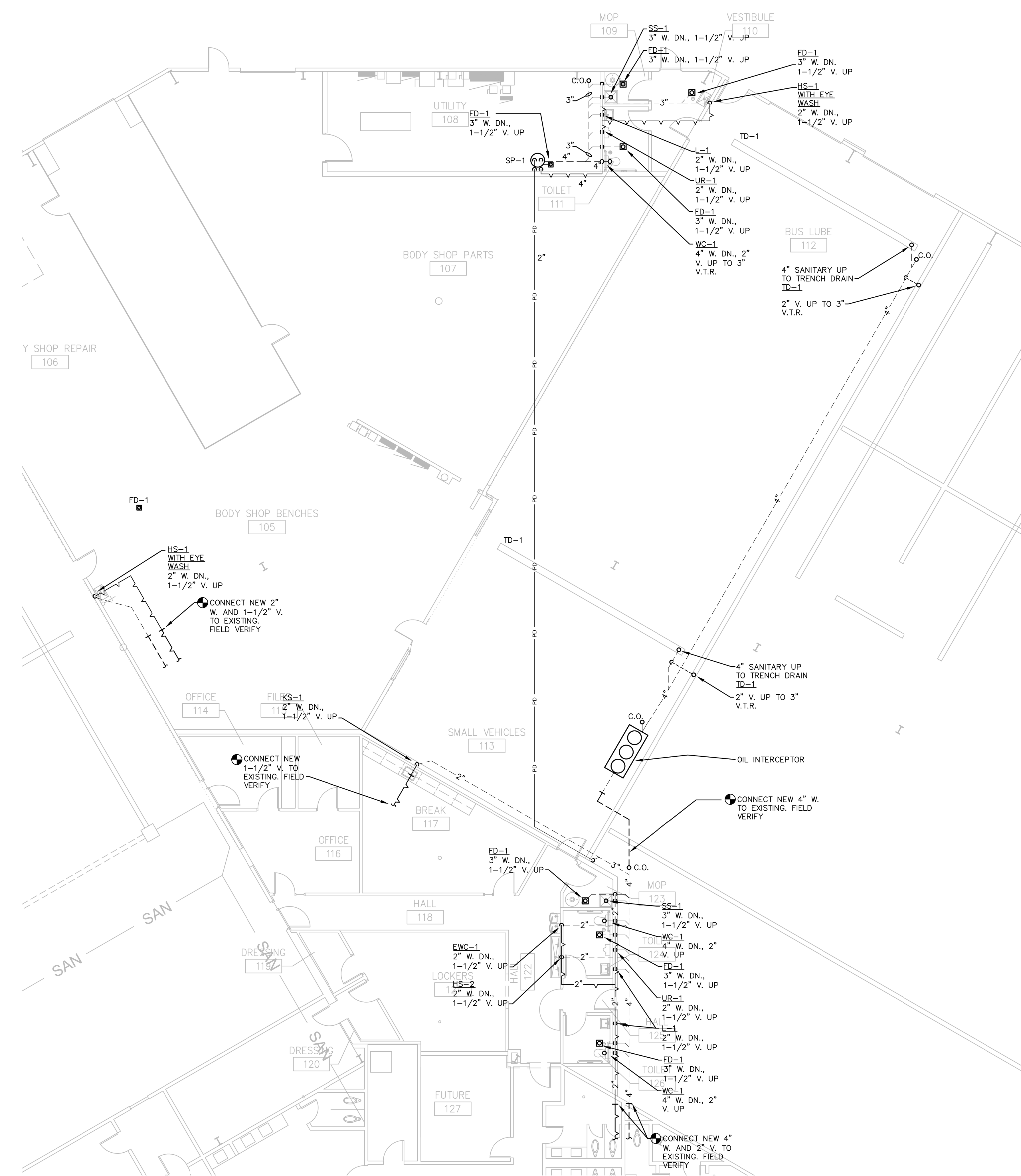
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SD205 #2126

SHEET No.  
**P101**

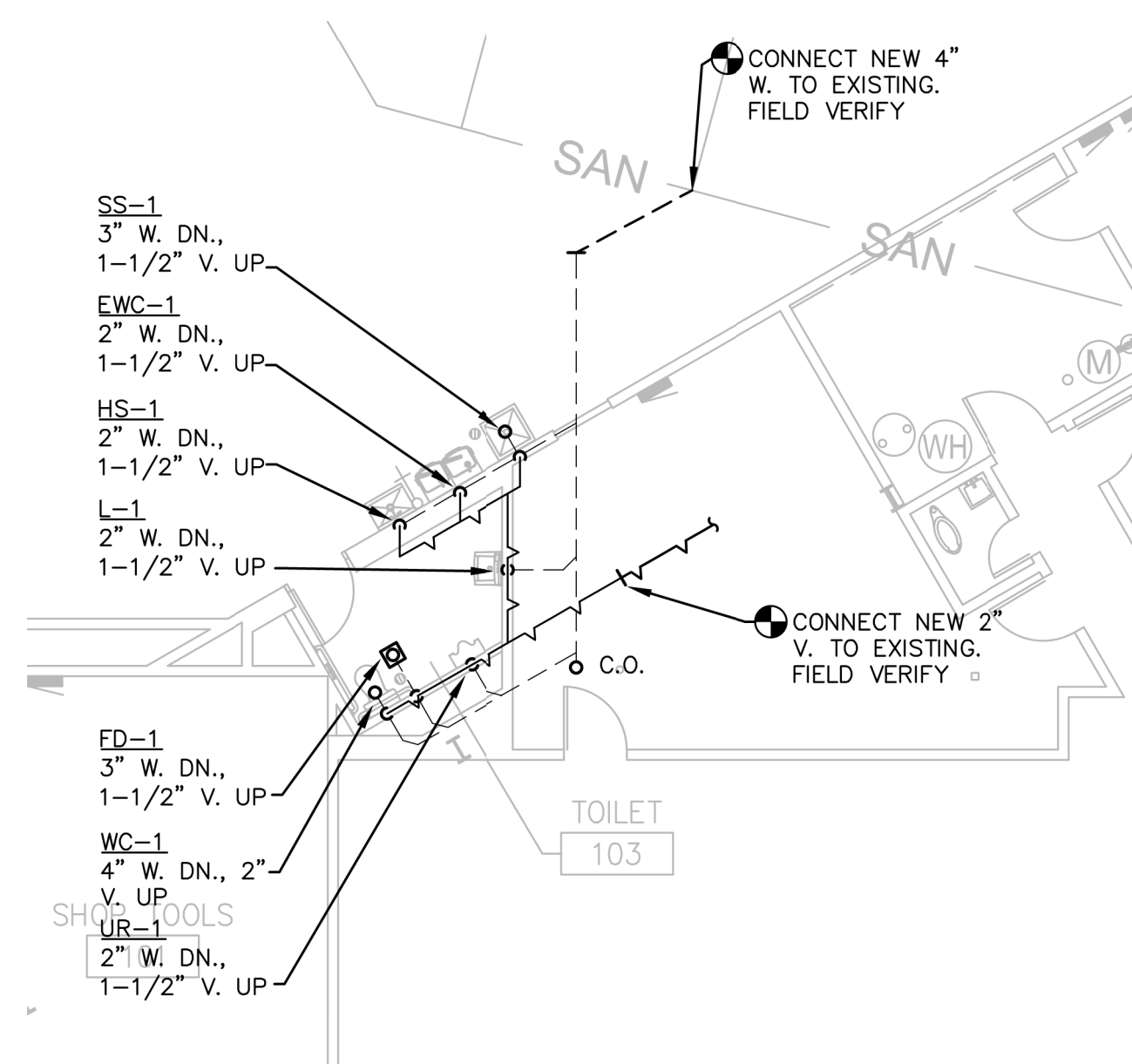
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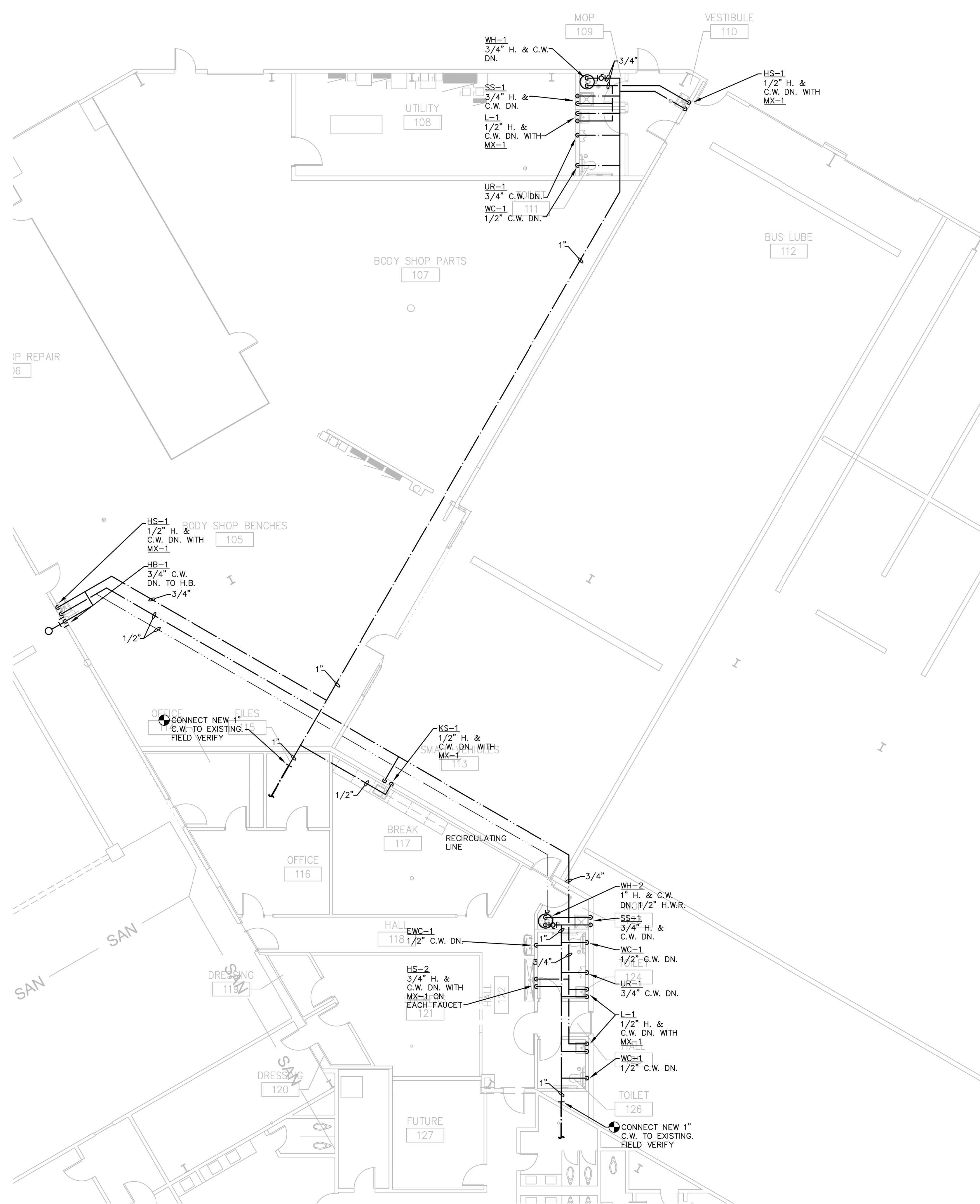
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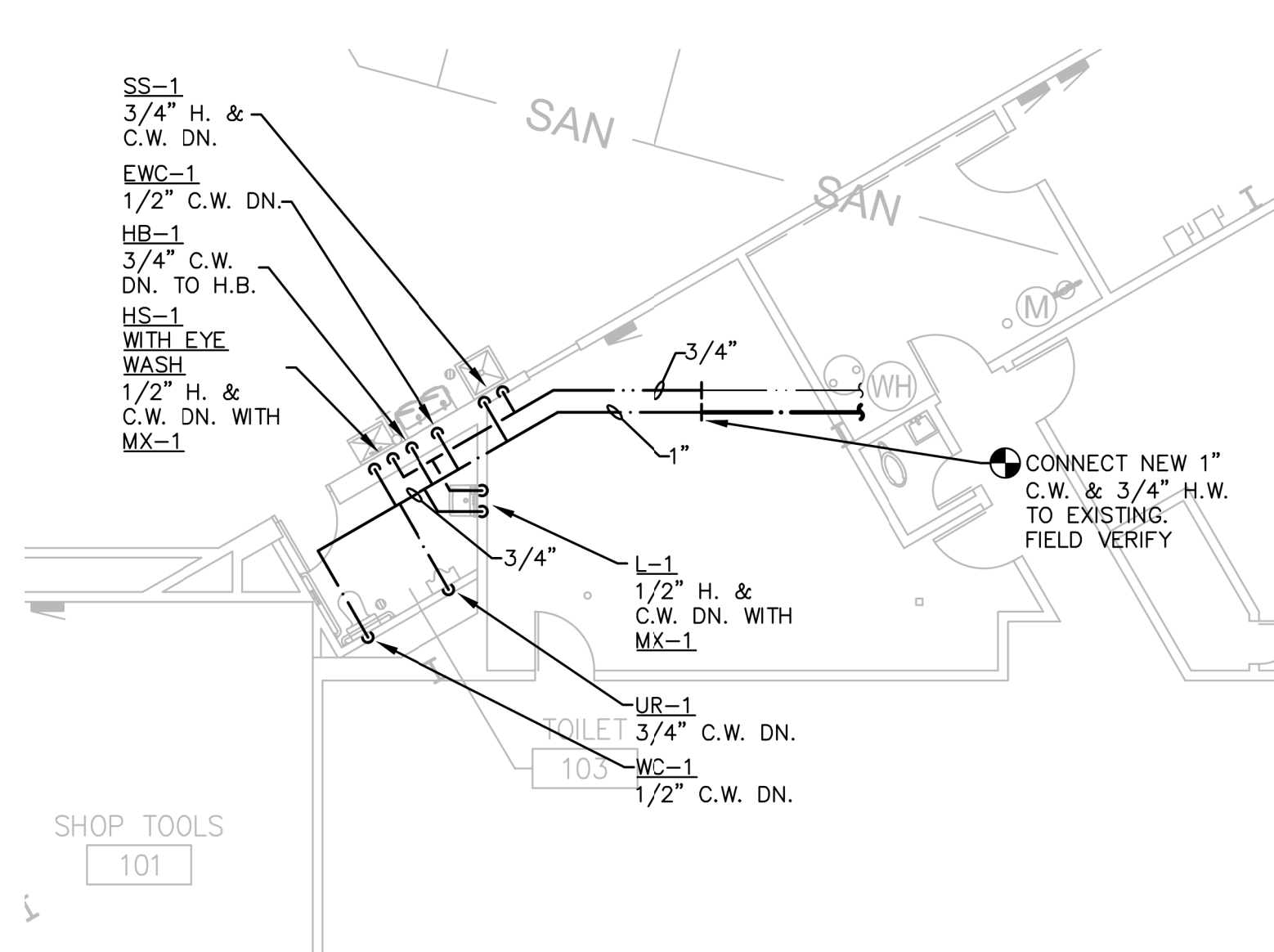
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P2  
ENLARGED SANITARY PLAN  
SCALE: 1/8"=1'-0"



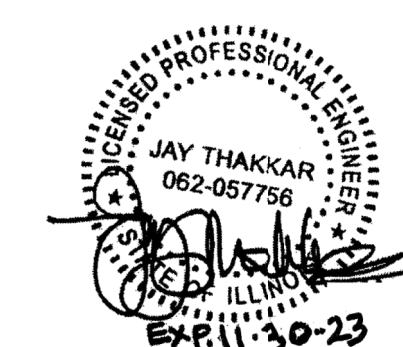
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P2  
ENLARGED SANITARY PLAN  
SCALE: 1/8"=1'-0"



2  
P2  
ENLARGED PLUMBING PLAN  
SCALE: 1/8"=1'-0"



4  
P2  
ENLARGED PLUMBING PLAN  
SCALE: 1/8"=1'-0"



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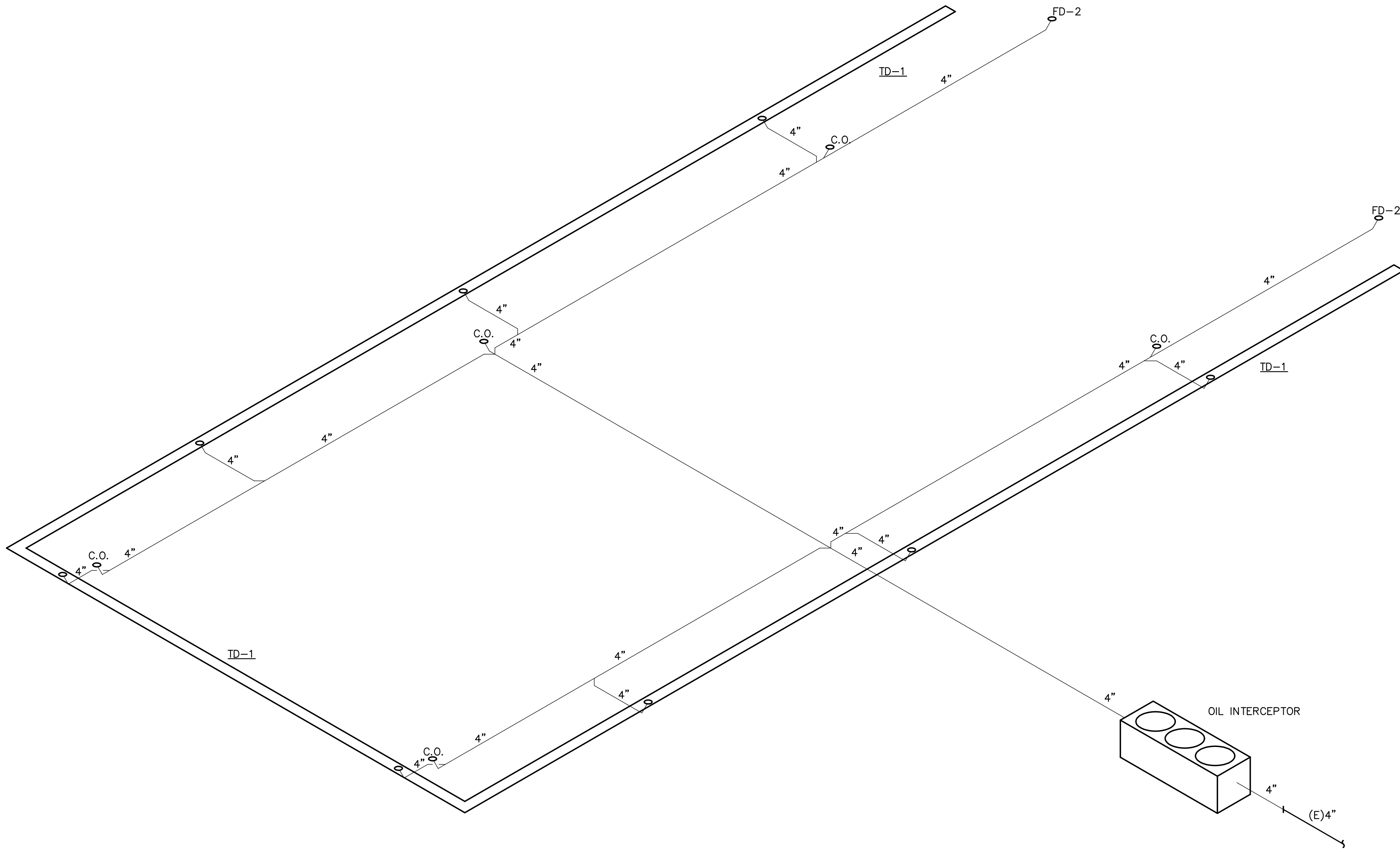
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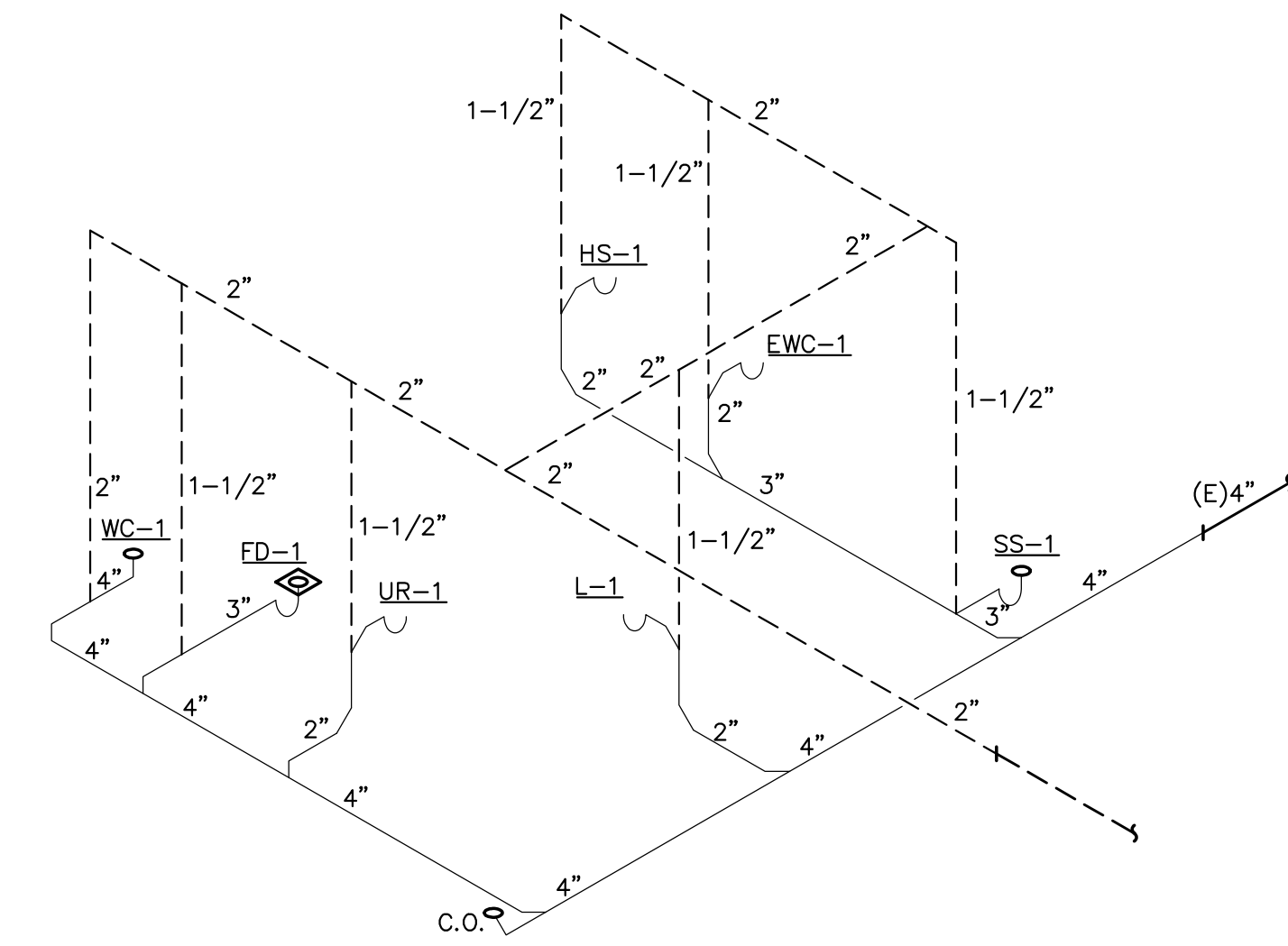
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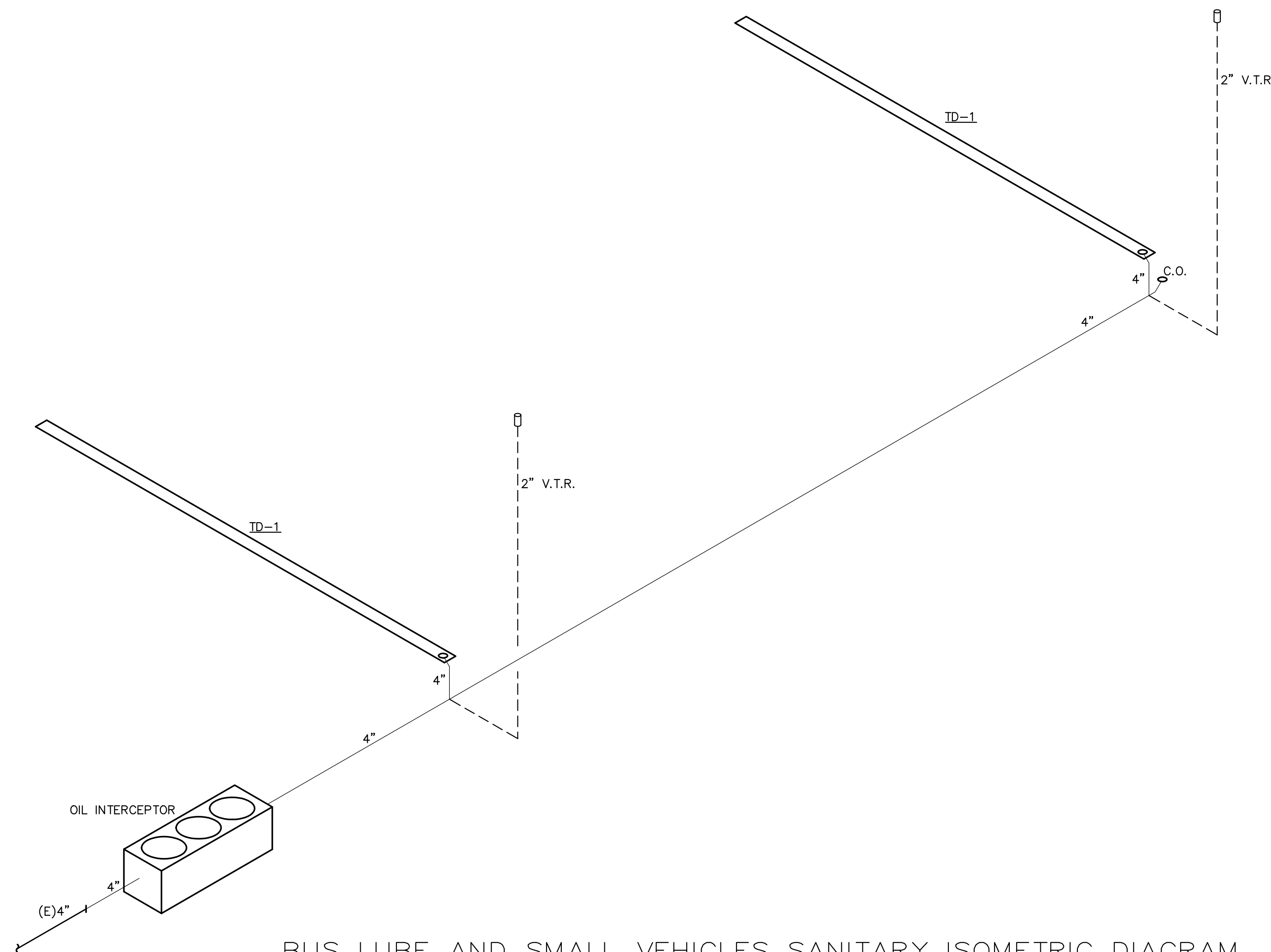
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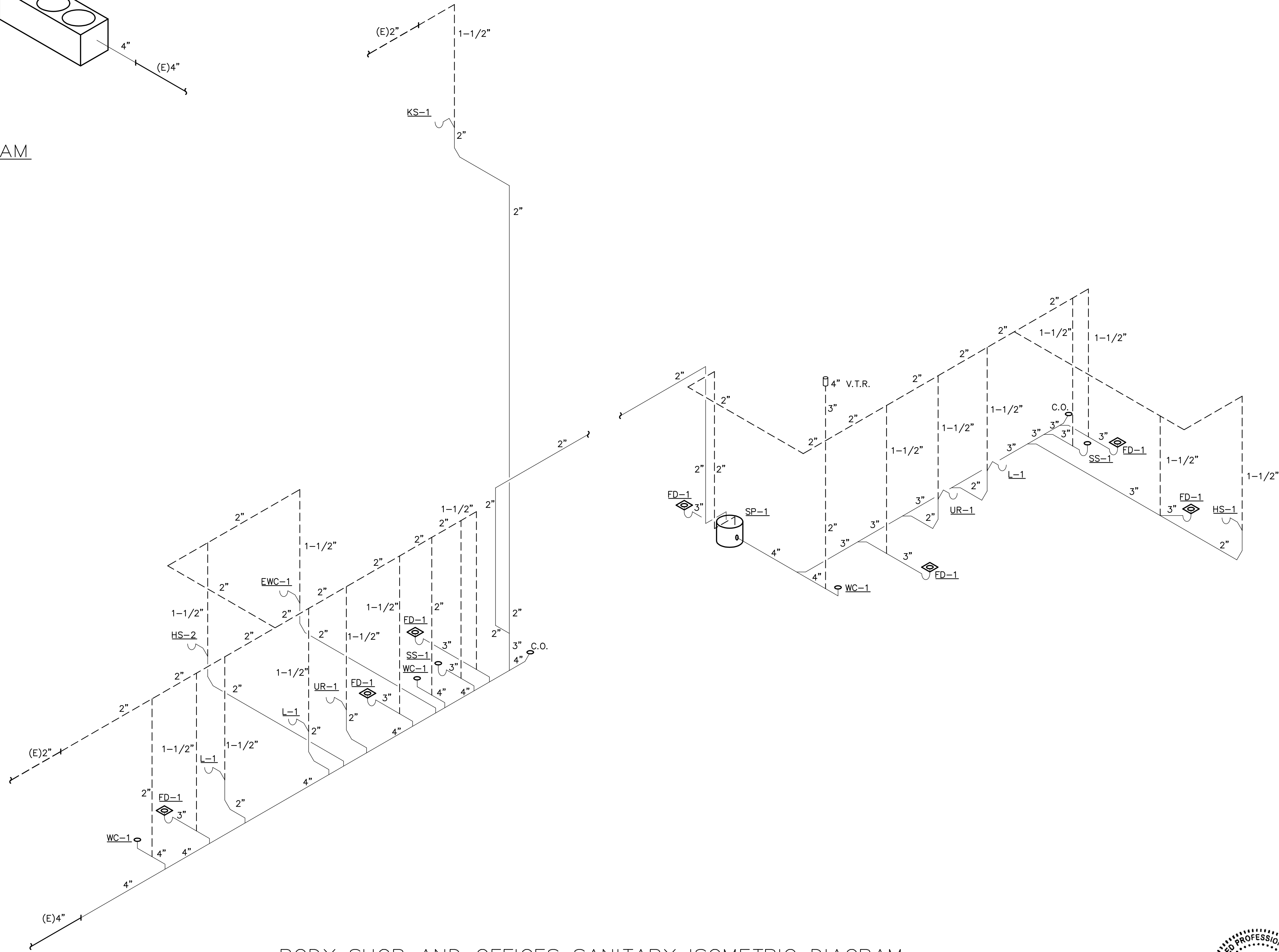
MAINTENANCE #104 SANITARY ISOMETRIC DIAGRAM  
N.T.S.



TOILET #103 SANITARY ISOMETRIC DIAGRAM  
N.T.S.



BUS LUBE AND SMALL VEHICLES SANITARY ISOMETRIC DIAGRAM  
N.T.S.



BODY SHOP AND OFFICES SANITARY ISOMETRIC DIAGRAM  
N.T.S.



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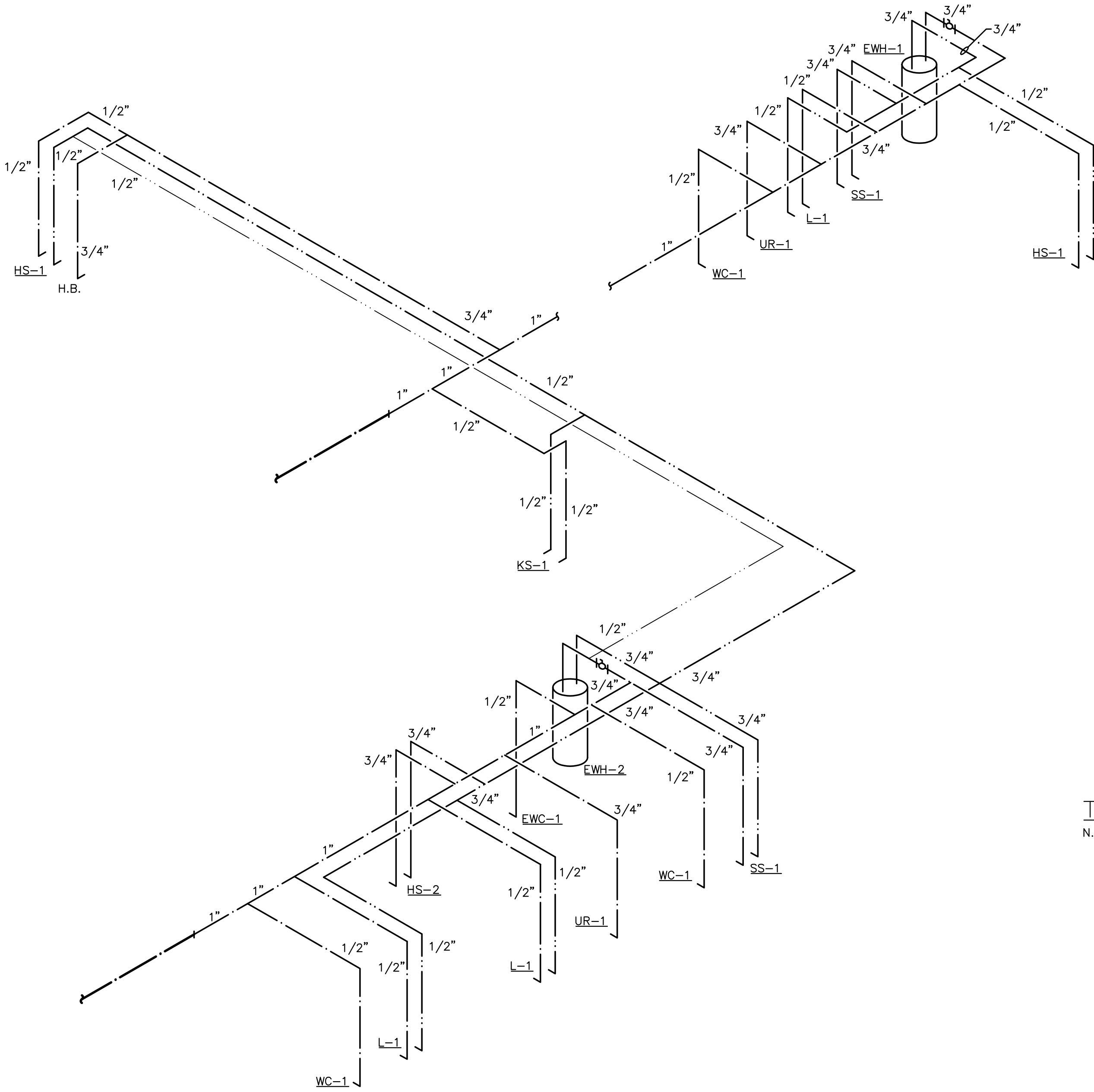
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**DESIGNS**

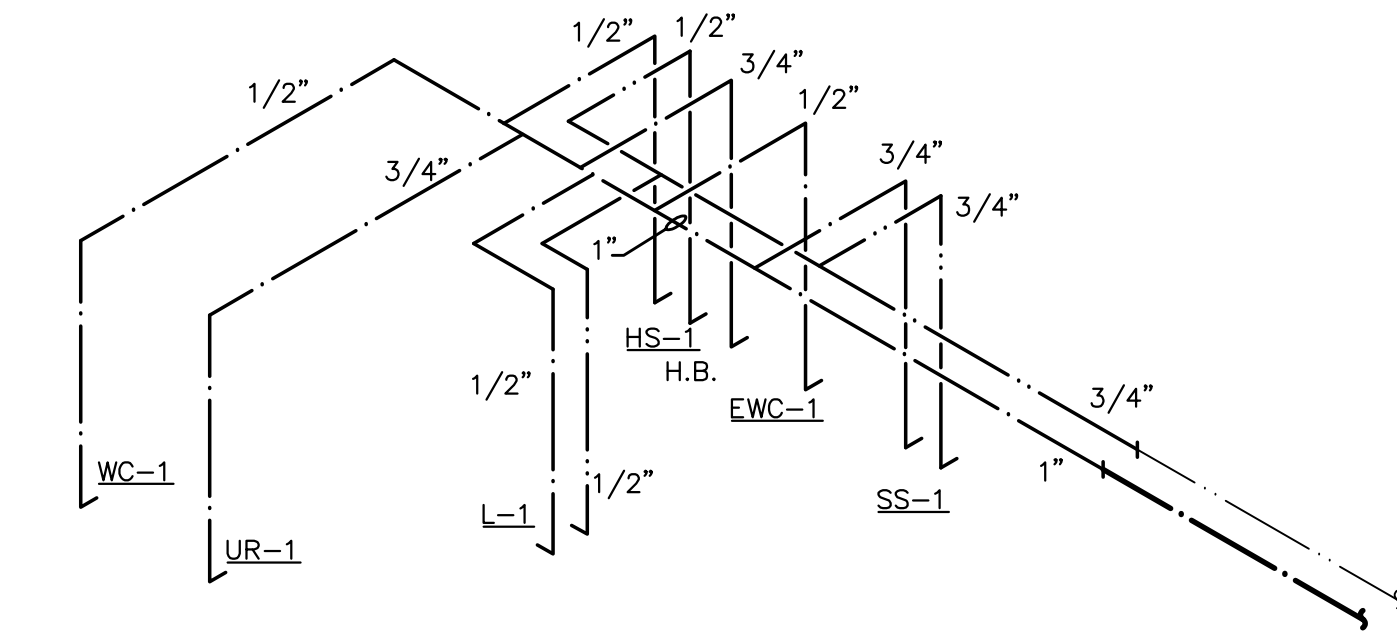
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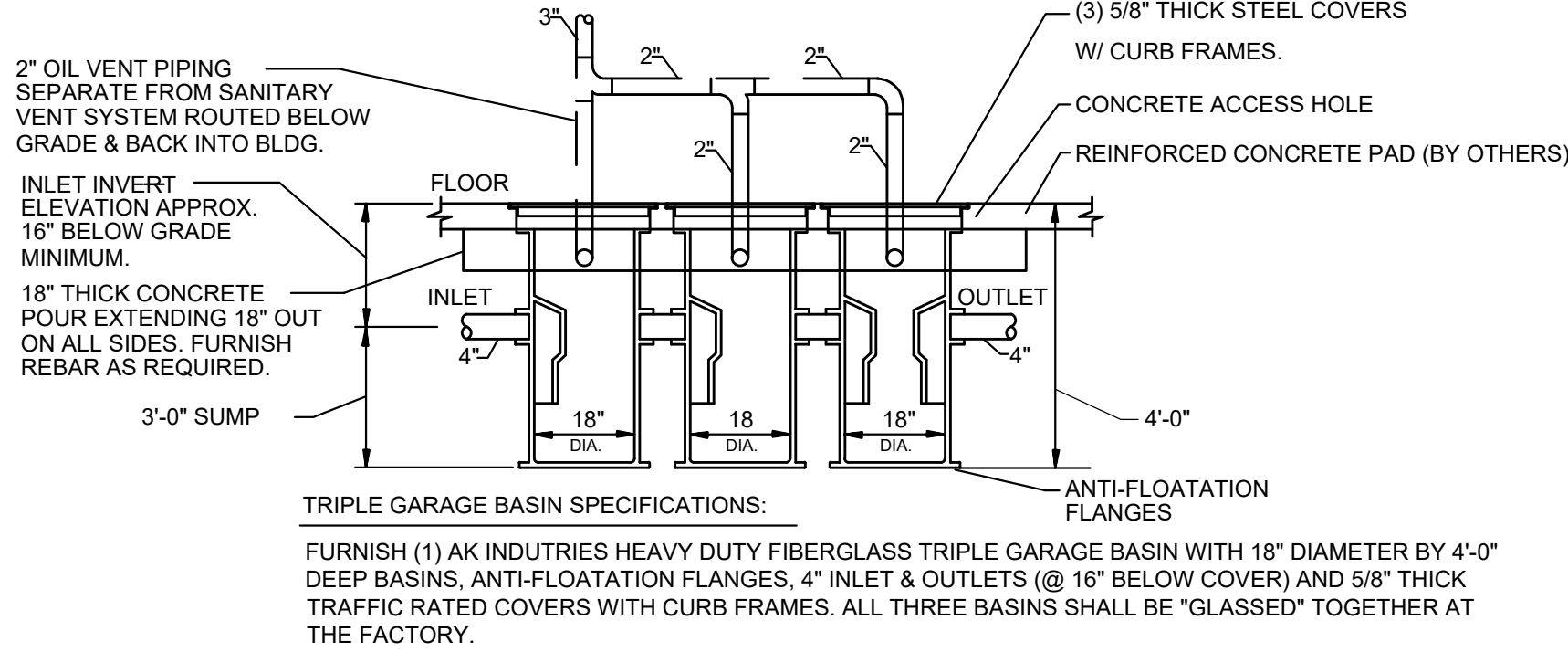
BODY SHOP AND OFFICES DOMESTIC WATER ISOMETRIC DIAGRAM  
N.T.S.



TOILET #103 DOMESTICWATER ISOMETRIC DIAGRAM  
N.T.S.

TRIPLE GARAGE BASIN CALCULATIONS (VEHICLE STORAGE)

SIZED PER ILLINOIS PLUMBING CODE SECTION 900.500 "GASOLINE, OIL AND FLAMMABLE LIQUIDS"	
TOTAL SQUARE FEET OF GARAGE AREA=	580
STORAGE REQUIRED=	6 CUBIC FEET
CUBIC FEET MULTIPLIED BY 7.48 =	45 GALLONS REQUIRED
TOTAL GALLONS DIVIDED BY 3=	15 STORAGE PER BASIN
VOLUME IN GALLONS PER FOOT OF WATER	
18" DIA=13.5/FT	30" DIA=36/FT
24" DIA=23.5/FT	48" DIA=94/FT
36" DIA=52.9/FT	72" DIA=211.5/FT
60" DIA=147/FT	
18" DIA BASIN x 4'-0" DEEP = 40.5 GALLONS EACH BASIN	
TOTAL STORAGE=	121.5



1 TRIPLE SEPARATOR DETAIL  
P4 SCALE: N.T.S.



PLUMBING FIXTURE SCHEDULE									
MARK	ITEM	ADA	DESCRIPTION	ACCESSORIES	PIPE CONNECTION SIZES				NOTES
					W	V	CW	HW	
WC-1	WALL HUNG	X	KOHLER NO. Kingston Ultra K-84325.1 6 GPF Elongated bowl. Flushometer valve siphon - Sloan - Regal #116XL Low Consumption.	Seat: Bemis 1955CT	4"	2"	1/2"	---	2
UR-1	WALL HUNG URINAL	X	KOHLER NO. Bardon Series - K-4991-ET, White 1.0 GPF, Sloan - Regal 186-1.0 Flushometer	Flush Valve: Sloan #186-1.0 (1.0 gpf.) Strainer: American Standard #047088-0070A Cleanout: Jay R. Smith #SQ4-1819 Carrier: Jay R. Smith #8537	2"	1-1/2"	3/4"	---	
L-1	WALL MOUNTED LAVATORY	X	KOHLER NO. Grenwich Series - K-2032 - White, Chicago Faucet - Metering type 802-665ABCP	Chicago Faucet: #802-665ABCP Aerator: American Standard #V05 Drain: McGuire #T55A Supply: McGuire #H170BV-LR 1/4 turn p-Trap: McGuire #6872C-17T 1-1/2" Chrome Plated Brass Carrier: Jay R. Smith #0700-Z	2"	1-1/2"	1/2"	1/2"	1
LT-1	LAUNDRY TUB		FIAT Laundry tub #FL-1	Faucet: American Standard #2475.540.002 Supply: McGuire #H170BV-LR 1/4 turn p-Trap: McGuire #5872C-17T 1-1/2" Chrome Plated Brass	1-1/2"	1-1/2"	1/2"	1/2"	
SS-1	SERVICE SINK		FIAT Mop Sink #MSB2424	Faucet: FIAT #830-AA with Integral Check Valves Bracket: FIAT #832-AA Mop Hanger: FIAT #889-CC Drain Gasket: FIAT #QDC3-Z Splash Panel: FIAT #MSG	3"	1-1/2"	3/4"	3/4"	
HS-1	WALL HUNG 1 PERSON WASH STATION WITH EYE WASH		BLANCO #BL.124.128 & ACORN S0860-RH	Delta #540-LDL9ABCP FAUCET	2"	1-1/2"	1/2"	1/2"	
HS-2	WALL HUNG 3 PERSON WASH STATION		BLANCO #BL.372.128	3 - Delta #540-LDL9ABCP FAUCETS	2"	1-1/2"	3/4"	3/4"	
KS-1	KITCHEN SINK		Elkay #LR3322 with Elkay #LKD2439BH two lever faucet, 8" tubular swing-spout aerator, 3/8" O.D. copper tube inlets, 3-hole installation	3-1/2" drain outlet, stainless steel body, conical strainer plate with moveable lift knob, neoprene stopper, c.p. brass 1-1/2" O.D. tailpiece (per compartment)	2"	1-1/2"	1/2"	1/2"	
GD-1	GARBAGE DISPOSER		IN-SINK-ERATOR BADGER 5	1/2 HP 110V/10 DISH WASHER CONNECTION	2"	---	---	---	
MX-1	THERMOSTATIC MIXING VALVE		WATTS LFUSG-B-M2	ASSE 1070 Thermostatic Mixing Valve	---	---	1/2"	1/2"	
HB-1	HOSE BIBB		WOODFORD MODEL 26	Optional Metal Wheel Handle, ASSE 1052 Approved Nidel Model 50 high flow double check backflow preventer.	---	---	3/4"	---	

APPROVED PLUMBING FIXTURE MANUFACTURERS: AMERICAN STANDARD, MANSFIELD, CRANE, TOTO, ELKAY, KOHLER, ZURN, SLOAN, FIAT, FLORESTONE, MUSTEE.  
APPROVED PLUMBING HARDWARE MANUFACTURERS: MOEN, AMERICAN STANDARD, DELTA, KOHLER, CHICAGO, SLOAN, ZURN, T&S, ACORN, TOTO.  
(FIXTURES TO BE INSTALLED IN ACCORDANCE WITH ADA REQUIREMENTS)

- NOTES:  
1. PROVIDE PLASTIC TYPE PIPE COVERS EQUAL TO TRUEBRO "LAV GUARD" ON ALL ACCESSIBLE LAVATORIES AND SINKS.  
2. ALL TANK TYPE WATER CLOSETS SHALL BE ORDERED WITH HANDLES ON THE OPEN SIDE (ADJACENT TO THE LAVATORY) PER CODE.

ELECTRIC WATER COOLER SCHEDULE										
MARK	MANUFACTURER	MODEL NUMBER	FINISH	TYPE	ADA	CAPACITY G.P.H.	ELECTRICAL			NOTES:
							WATTS	F.L.A.	VOLT / PHASE	
EW-C-1	ELKAY	LZSTL8WSLK	STAINLESS	WALL MOUNT (TWO-LEVEL)	ADULT & CHILD	8	370	5.0	120 / 1	1

(APPROVED EQUAL: SUNROC, HALSEY-TAYLOR, ACORN AQUA)

- NOTES:  
1. NO LEAD DESIGN  
2. PROVIDE CRANE APRON #LKAPREZL.

ELECTRIC DOMESTIC WATER HEATER SCHEDULE										
MARK	MANUFACTURER	MODEL NUMBER	LOCATION	CAPACITIES			ELECTRICAL DATA		NOTES	
				RECOVERY (GPH)	STORAGE (GALLONS)	TEMP. RISE (DEG. F)	KW INPUT	VOLT/PHASE		
WH-1	BRADFORD WHITE	LE330S3-3	SEE PLAN	12	30	100	3.0	208/1		1 - 3
WH-2	BRADFORD WHITE	LE350S3-3	SEE PLAN	12	50	100	3.0	208/1		1 - 4

(APPROVED EQUAL: LOCHINVAR, A.O. SMITH, BRADFORD WHITE, BOCK)

- NOTES:  
1. TEMPERATURE AND PRESSURE RELIEF VALVE  
2. MAGNESIUM TANK SAVER ANODE ROD  
3. U.L. LISTED  
4. RECIRC PUMP DWP-1, SEE SCHEDULE

DOMESTIC WATER RE-CIRC PUMP SCHEDULE													
MARK	MANUFACTURER	MODEL NUMBER	LOCATION	TYPE	FLOW (GPM)	TOTAL HEAD (FT)	PUMP SIZE	ELECTRICAL DATA					NOTES:
								HP	RPM	VOLTAGE	PHASE	HZ	
DWP-1	GRUNDFOS	UP15-18BUC7	SEE PLANS	IN-LINE	1	13.5	1/2"	1/25	2,900	120	1	60	1,2,3,4,5

(APPROVED EQUAL: TACO, BELL & GOSSETT, ARMSTRONG)

- NOTES:  
1. U.L. LISTED  
2. BRONZE FITTED  
3. 5-FOOT CORD LINE WITH PLUG, AQUASTATAND TIMER  
4. INTEGRATED CHECK VALVE  
5. SEE WATER HEATER PIPING DIAGRAM

OIL / SAND SEPARATOR SCHEDULE										
MARK	MANUFACTURER	MODEL NUMBER	INLET, OUTLET SIZE (IN.)	MAX FLOW RATE (GPM)	OIL CAPACITY (GALLONS)	SAND CAPACITY (GALLONS)	LIQUID CAPACITY (GALLONS)	UNIT WEIGHT (LBS)	DIMENSIONS (LxWxH)	NOTES:
OS-1	STRIEM	OS-75	4	75	93	11	110	100	#"x#"x#"	

(APPROVED EQUAL: ENDURA, JAY R. SMITH, JOSAM, ZURN, PROCEPTOR)

- NOTES:  
1. FACTORY INSTALLED BUILT-IN FLOW CONTROL.  
2. BOLTED GAS/WATER TIGHT 24"Ø COMPOSITE COVER.

FLOOR DRAIN SCHEDULE									
MARK	MANUFACTURER	MODEL NUMBER	LOCATION	BODY MATERIAL	GRATE		ACCESSORY	PIPE SIZE (IN.)	NOTES:
					TYPE	FINISH			
FD-1	ZURN	ZN415-BZ1-TSP	SEE PLAN	DUCO CAST IRON	6" Ø	POLISHED NICKEL BRONZE	-	3"	1
FD-2	ZURN	ZN415-BZ1-TSP	SEE PLAN	DUCO CAST IRON	6" Ø	POLISHED NICKEL BRONZE	-	4"	1

(APPROVED EQUAL: JOSAM, JAY R. SMITH, SIOUX CHIEF, MIFAB)

- NOTES:  
1. PROVIDE "SURESEAL" IN LINE TRAP SEAL.

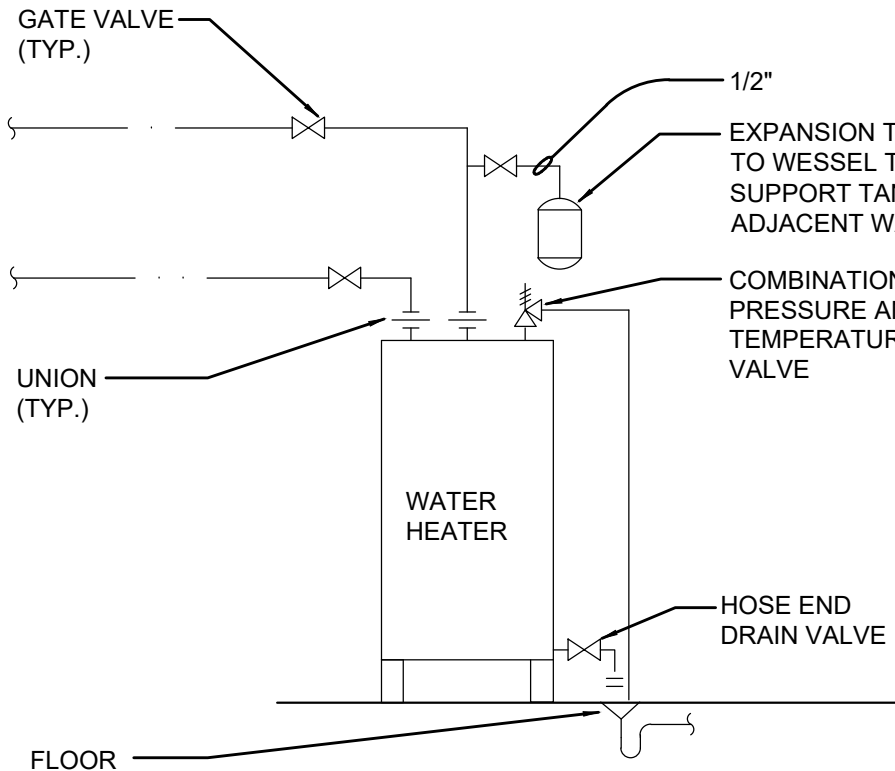
TRENCH DRAIN SCHEDULE									
MARK	MANUFACTURER	MODEL NUMBER	LOCATION	BODY MATERIAL	GRATE		DIMENSIONS	PIPE SIZE (IN.)	NOTES:
					TYPE	MATERIAL			
TD-1	ZURN	Z886	SEE PLAN	HDPE	GMG - MESH GRATE	GALVANIZED STEEL	6" x VARIES*	4"	1

- NOTES:  
1. REFER TO DRAWINGS FOR PRE-SLOPED SECTION QUANTITIES.

SUMP PUMP SCHEDULE														
MARK	MANUFACTURER	MODEL NUMBER	LOCATION	TYPE	FLOW (GPM)	TOTAL HEAD (FT)	PUMP SIZE	BASIN SIZE	ELECTRICAL DATA					NOTES:
									HP	RPM	VOLTAGE	PHASE	HZ	
SP-1	BELL & GOSSETT	WASTEWATER 1EC04	SEE PLANS	EFFLUENT	20	20	2"	24"Øx60"	0.75	3,450	120	1	60	1-6

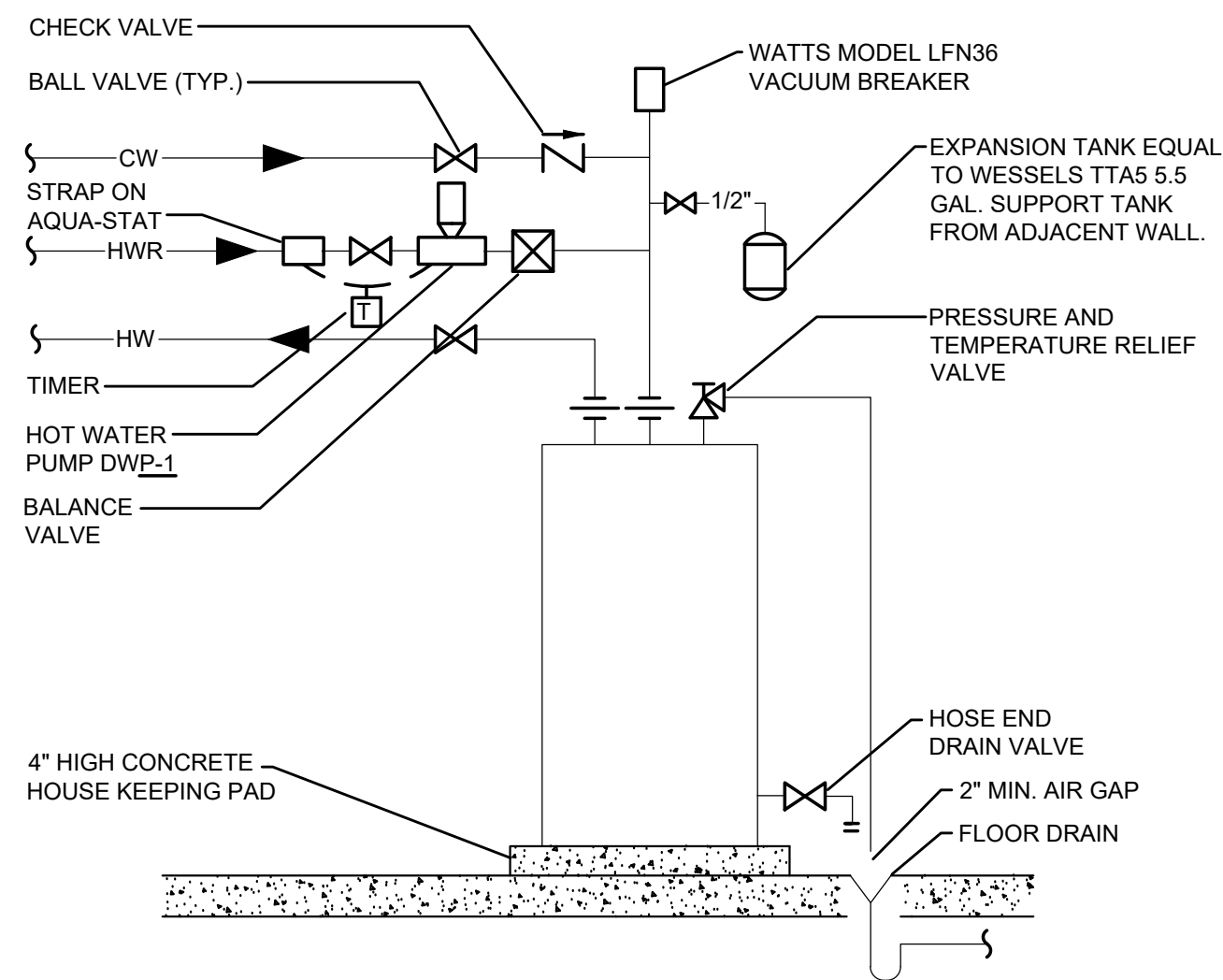
(APPROVED EQUAL: WEIL, BARNES, ABS, ZOELLER)

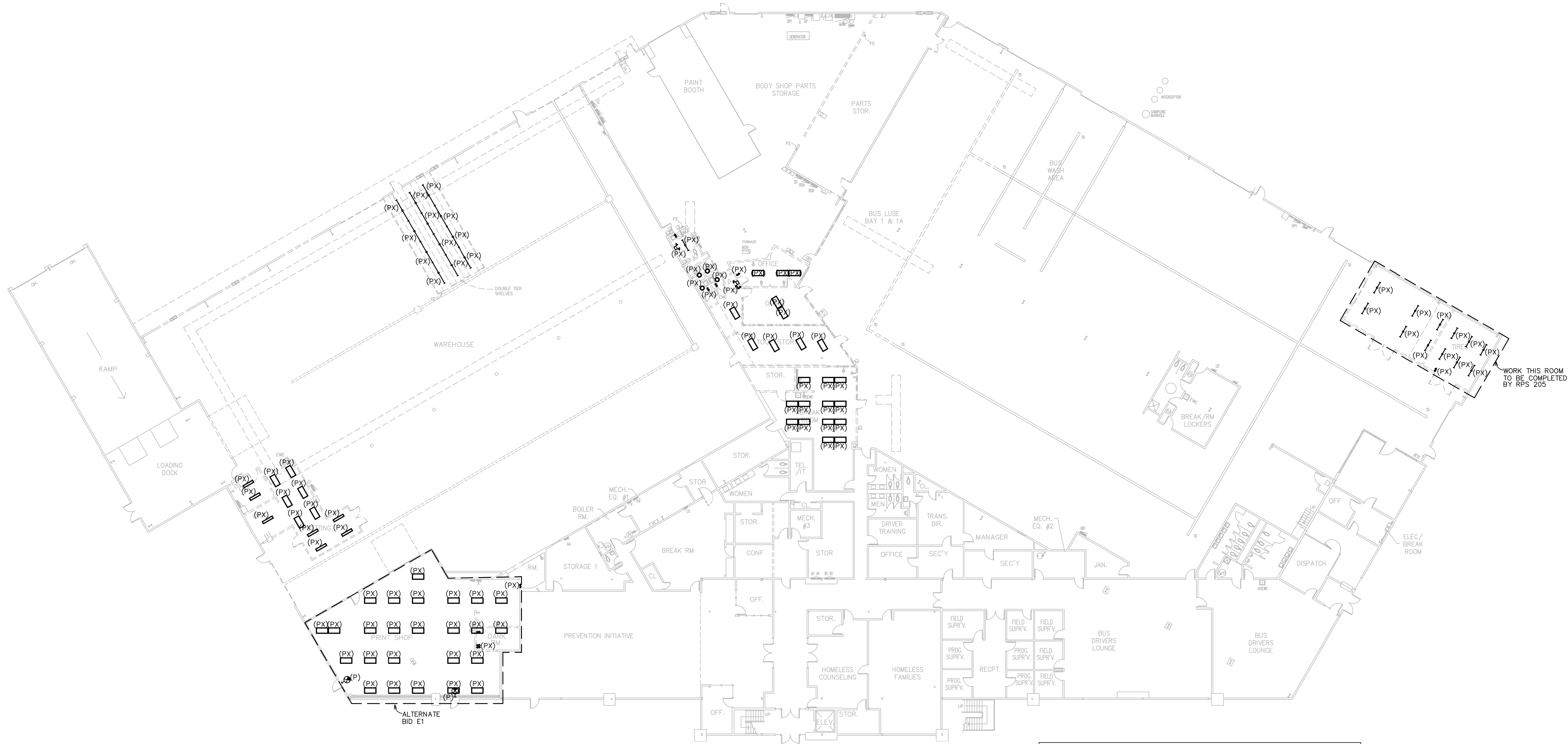
- NOTES:  
1. U.L. LISTED  
2. POWER CABLE WITH NEMA THREE PRONG GROUNDED PLUG  
3. PIGGYBACK" FLOAT SWITCH  
4. REMOTE HIGH WATER ALARM  
5. BRONZE IMPELLER  
6. 28" ROUND STEEL COVER WITH ALL NECESSARY OPENINGS.



ELECTRIC WATER HEATER EWH-1 PIPING DIAGRAM

N.T.S.





LIGHTING  
DEMOLITION FLOOR PLAN  
SCALE: 1/16"=1'-0"

ELECTRICAL DEMOLITION DRAWINGS HAVE BEEN PREPARED UTILIZING AVAILABLE RECORD DRAWINGS AND VISUAL FIELD OBSERVATIONS. IT IS THE CONTRACTORS RESPONSIBILITY TO VISIT THE PROJECT JOB SITE PRIOR TO THE DELIVERY OF BIDS AND THOROUGHLY INVESTIGATE ALL EXISTING CONDITIONS CONCERNING ELECTRICAL DEMOLITION AND INCLUDE IN HIS PRICING ALL LABOR AND MATERIALS TO PERFORM ALL REMOVAL WORK NECESSARY TO ACCOMMODATE NEW CONSTRUCTION. WHERE EXISTING CIRCUITRY EXTENDS BEYOND THE REMODEL AREA, THE CONTRACTOR SHALL PROVIDE ALL EXTENSIONS AND REVISIONS TO EXISTING CIRCUITRY TO MAINTAIN CONTINUITY OF AFFECTED BRANCH CIRCUITRY.

AT THE OPTION OF THE CONTRACTOR, EXISTING IN PLACE BRANCH CIRCUITRY CONDUIT AND WIRE MAY BE UTILIZED AS LONG AS THE USE OF EXISTING SYSTEMS DOES NOT ADVERSELY AFFECT THE ORIGINAL DESIGN INTENT OF THE CONSTRUCTION DOCUMENTS.



REV.

BUS MAINTENANCE REMODELING FOR

PROJECT

DRAWN  
LEGACY  
DESIGNS

DATE  
09-07-2022

PROJECT No.  
**1155**  
SD205 #2126

SHEET No.  
**ED101**

STERLING HOLLEY CENTER  
2000 CHRISTINA STREET  
ROCKFORD, ILLINOIS



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RAWN  
**LEGACY  
DESIGNS**

09-07-2022

PROJECT No.

**1155**

SD205 #2126

MEET No.

**ED102**



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**BUS MAINTENANCE REMODELING FOR:**



**STERLING HOLLEY CENTER**  
PUBLIC SCHOOLS

**ROCKFORD, ILLINOIS**

2000 CHRISTINA STREET

## PROJECT

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**LEGACY  
DESIGNS**

DATE  
09-07-2022

PROJECT No.

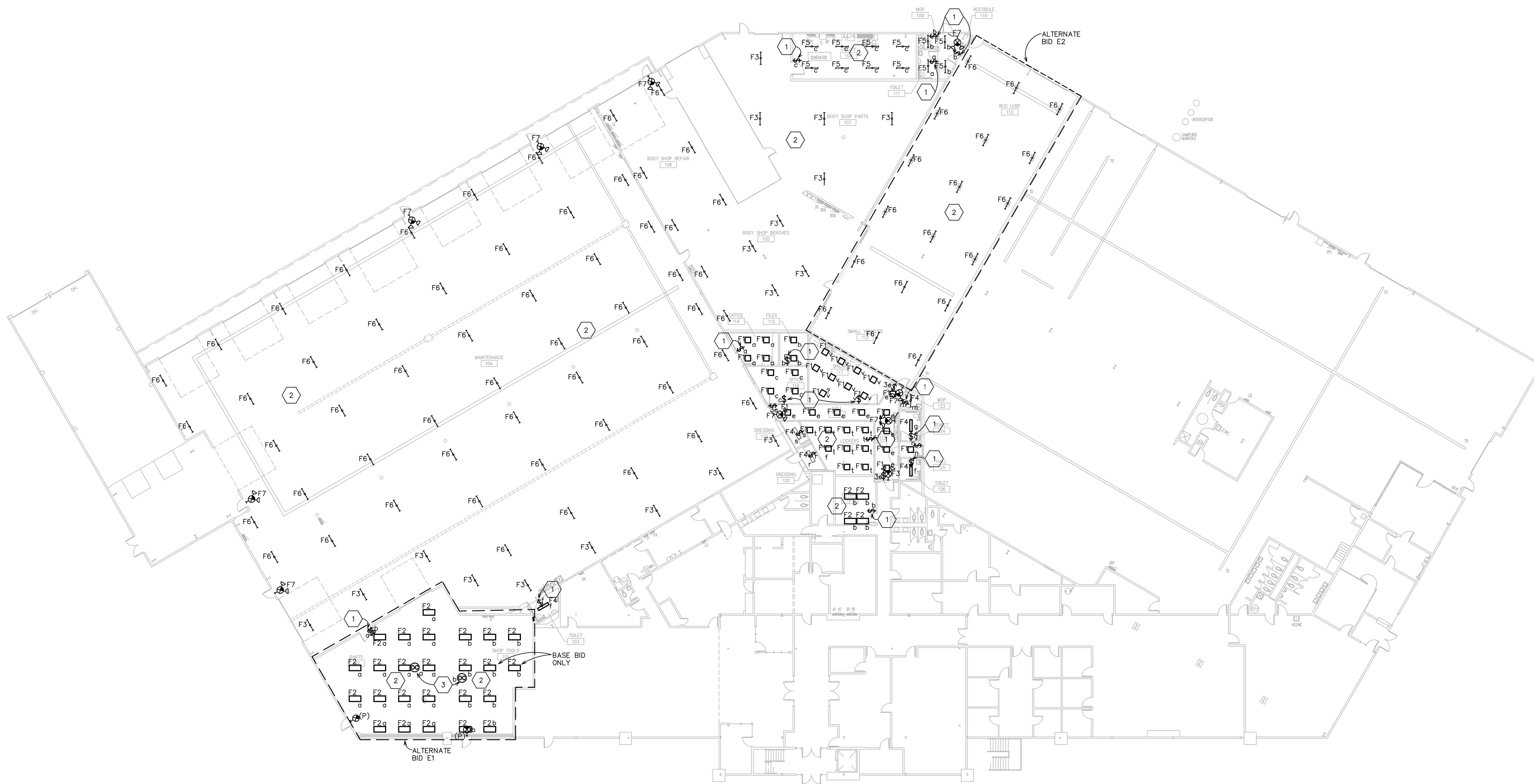
**1155**

SD205 #212

SHEET No.

**E101**

221189



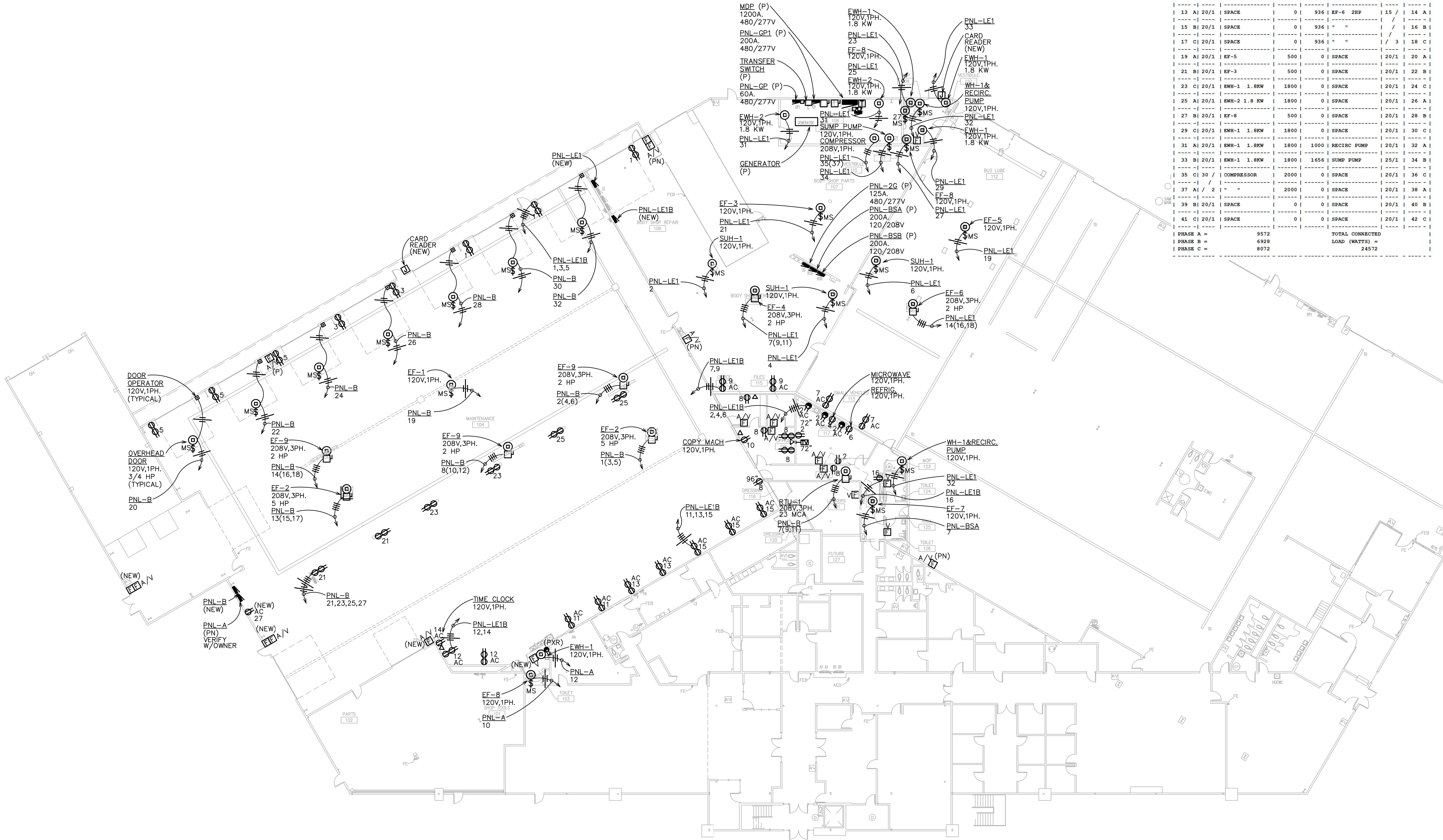
LIGHTING  
REVISED FLOOR PLAN

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

REFERENCE NOTES:

- 1 PROVIDE MOTION SENSOR SWITCH. UNIT TO BE EQUIVALENT TO WATTSTOPPER NO. PW-100W
- 2 EXTEND BRANCH CIRCUIT WIRING TO NEW LIGHTING THIS ROOM AS REQUIRED. WIRE TO NEW MOTION SENSOR AS SHOWN.
- 3 PROVIDE CEILING MOUNTED MOTION SENSOR SWITCH. UNIT TO BE EQUIVALENT TO WATTSTOPPER NO. DT305 WITH POWER PACK BZ-100.





POWER & SYSTEMS  
REVISED FLOOR PLAN  
SCALE: 1/16"=1'-0"

NOTE: SEE MECHANICAL AND PLUMBING  
DRAWINGS FOR EQUIPMENT CONNECTION  
REQUIREMENTS TO PROVIDE A COMPLETE  
OPERATING SYSTEM.

PANEL DESIGNATION		PROJECT NO.	
120 / 208 VOLT		LOCATION/ROOM:	
3	PHASE	100 AMP MAIN BREAKER	SURFACE MOUNTED
4	WIRE	FAULT CURRENT RATING	
		AIC.	
CCT	AMP/	REMARKS	W A TTS
PH	POLE	LEFT	RIGHT
1	AI 20/1	SPACE	0
2	BI 20/1	SPACE	0
3	CI 20/1	SPACE	0
4	DI 20/1	SPACE	0
5	AI 20/1	SPACE	0
6	BI 20/1	SPACE	0
7	AI 15 /	EF-4 2HP	936
8	BI 15 /	"	936
9	CI 15 /	"	936
10	AI 20/1	SPACE	0
11	BI 20/1	SPACE	0
12	CI 20/1	SPACE	0
13	AI 20/1	SPACE	0
14	BI 20/1	SPACE	0
15	CI 20/1	SPACE	0
16	AI 20/1	SPACE	0
17	BI 20/1	SPACE	0
18	CI 20/1	SPACE	0
19	AI 20/1	SPACE	0
20	BI 20/1	SPACE	0
21	CI 20/1	SPACE	0
22	AI 20/1	SPACE	0
23	BI 20/1	SPACE	0
24	CI 20/1	SPACE	0
25	AI 20/1	SPACE	0
26	BI 20/1	SPACE	0
27	CI 20/1	SPACE	0
28	AI 20/1	SPACE	0
29	BI 20/1	SPACE	0
30	CI 20/1	SPACE	0
31	AI 20/1	SPACE	0
32	BI 20/1	SPACE	0
33	CI 20/1	SPACE	0
34	AI 20/1	SPACE	0
35	BI 20/1	SPACE	0
36	CI 20/1	SPACE	0
37	AI 20/1	SPACE	0
38	BI 20/1	SPACE	0
39	CI 20/1	SPACE	0
40	AI 20/1	SPACE	0
41	BI 20/1	SPACE	0
42	CI 20/1	SPACE	0
PHASE A =		9572	TOTAL CONNECTED
PHASE B =		6928	LOAD (WATTS) =
PHASE C =		8072	24572

PANEL DESIGNATION		PROJECT NO.	
120 / 208 VOLT		LOCATION/ROOM:	
3	PHASE	100 AMP MAIN BREAKER	SURFACE MOUNTED
4	WIRE	FAULT CURRENT RATING	
		AIC.	
CCT	AMP/	REMARKS	W A TTS
PH	POLE	LEFT	RIGHT
1	AI 20/1	RECEPTACLES	1080
2	BI 20/1	RECEPTACLES	900
3	CI 20/1	RECEPTACLES	1080
4	DI 20/1	RECEPTACLES	900
5	AI 20/1	RECEPTACLES	1080
6	BI 20/1	RECEPTACLES	900
7	AI 20/1	RECEPTACLES	1080
8	BI 20/1	RECEPTACLES	900
9	CI 20/1	RECEPTACLES	1080
10	DI 20/1	RECEPTACLES	900
11	AI 20/1	RECEPTACLES	1080
12	BI 20/1	RECEPTACLES	900
13	CI 20/1	RECEPTACLES	1080
14	DI 20/1	RECEPTACLES	900
15	AI 20/1	RECEPTACLES	1080
16	BI 20/1	RECEPTACLES	900
17	CI 20/1	RECEPTACLES	1080
18	DI 20/1	RECEPTACLES	900
19	AI 20/1	RECEPTACLES	1080
20	BI 20/1	RECEPTACLES	900
21	CI 20/1	RECEPTACLES	1080
22	DI 20/1	RECEPTACLES	900
23	AI 20/1	RECEPTACLES	1080
24	BI 20/1	RECEPTACLES	900
25	CI 20/1	RECEPTACLES	1080
26	DI 20/1	RECEPTACLES	900
27	AI 20/1	RECEPTACLES	1080
28	BI 20/1	RECEPTACLES	900
29	CI 20/1	RECEPTACLES	1080
30	DI 20/1	RECEPTACLES	900
31	AI 20/1	RECEPTACLES	1080
32	BI 20/1	RECEPTACLES	900
33	CI 20/1	RECEPTACLES	1080
34	DI 20/1	RECEPTACLES	900
35	AI 20/1	RECEPTACLES	1080
36	BI 20/1	RECEPTACLES	900
37	CI 20/1	RECEPTACLES	1080
38	DI 20/1	RECEPTACLES	900
39	AI 20/1	RECEPTACLES	1080
40	BI 20/1	RECEPTACLES	900
41	CI 20/1	RECEPTACLES	1080
42	DI 20/1	RECEPTACLES	900
PHASE A =		6080	TOTAL CONNECTED
PHASE B =		7000	LOAD (WATTS) =
PHASE C =		4700	17780

PANEL DESIGNATION		PROJECT NO.	
120 / 208 VOLT		LOCATION/ROOM:	
3	PHASE	150 AMP MAIN BREAKER	SURFACE MOUNTED
4	WIRE	FAULT CURRENT RATING	
		AIC.	
CCT	AMP/	REMARKS	W A TTS
PH	POLE	LEFT	RIGHT
1	AI 35 /	EF-2 SHP	2101
2	BI 35 /	"	2101
3	CI 35 /	"	2101
4	DI 35 /	"	2101
5	AI 35 /	EF-2 SHP	2101
6	BI 35 /	"	2101
7	CI 35 /	"	2101
8	DI 35 /	"	2101
9	AI 35 /	EF-2 SHP	2101
10	BI 35 /	"	2101
11	CI 35 /	"	2101
12	DI 35 /	"	2101
13	AI 35 /	EF-2 SHP	2101
14	BI 35 /	"	2101
15	CI 35 /	"	2101
16	DI 35 /	"	2101
17	AI 35 /	EF-2 SHP	2101
18	BI 35 /	"	2101
19	CI 35 /	"	2101
20	DI 35 /	"	2101
21	AI 20/1	EF-1	500
22	BI 20/1	RECEPTACLES	1080
23	CI 20/1	RECEPTACLES	1080
24	DI 20/1	RECEPTACLES	1080
25	AI 20/1	RECEPTACLES	1080
26	BI 20/1	RECEPTACLES	1080
27	CI 20/1	RECEPTACLES	1080
28	DI 20/1	RECEPTACLES	1080
29	AI 20/1	RECEPTACLES	1080
30	BI 20/1	RECEPTACLES	1080
31	CI 20/1	RECEPTACLES	1080
32	DI 20/1	RECEPTACLES	1080
33	AI 20/1	RECEPTACLES	1080
34	BI 20/1	RECEPTACLES	1080
35	CI 20/1	RECEPTACLES	1080
36	DI 20/1	RECEPTACLES	1080
37	AI 20/1	RECEPTACLES	1080
38	BI 20/1	RECEPTACLES	1080
39	CI 20/1	RECEPTACLES	1080
40	DI 20/1	RECEPTACLES	1080
41	AI 20/1	RECEPTACLES	1080
42	BI 20/1	RECEPTACLES	1080
PHASE A =		16320	TOTAL CONNECTED
PHASE B =		14464	LOAD (WATTS) =
PHASE C =		14164	45148



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REV.

BUS MAINTENANCE REMODELING FOR  
**ROCKFORD**  
PUBLIC SCHOOLS  
**STERLING HOLLEY CENTER**  
2000 CHRISTINA STREET  
ROCKFORD, ILLINOIS

DRAWN BY  
**LEGACY DESIGNS**

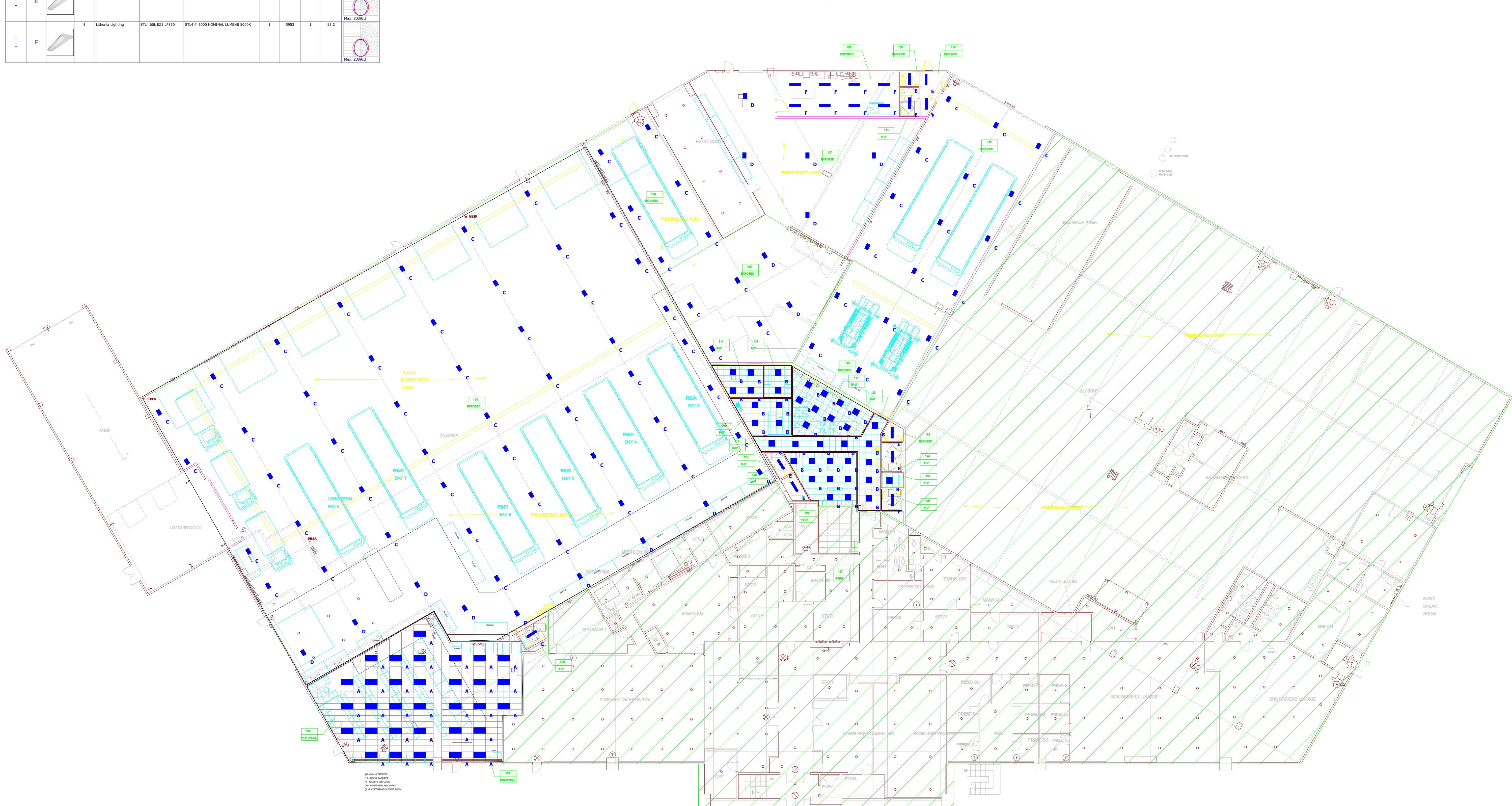
DATE  
09-07-2022

PROJECT No.  
**1155**  
SD205 #2126

SHEET No.  
**E102**

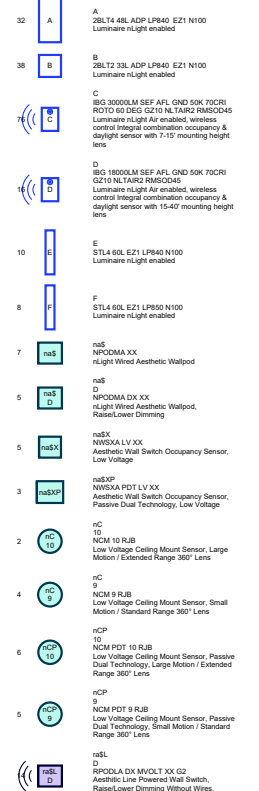


Schedule										
Symbol	Label	Image	Quantity	Manufacturer	Catalog Number	Description	Number Lamps	Lumens Per Lamp	Light Loss Factor	Wattage
F2	A		32	Lithonia Lighting	2BLT4 48, ADP LP840	BLT 2X4, 4800 Nominal Lumens, Curved Linear Prismatic lens, 4000K CCT	1	5039	0.95	37.63
F1	B		38	Lithonia Lighting	2BLT2 33, ADP LP840	BLT 2X2, 3300 Nominal Lumens, Curved Linear Prismatic lens, 4000K CCT	1	3385	0.95	26.27
F6	C		76	Lithonia Lighting	IRG 3000LM SEP AFL GND 50K 70CRI 60 DEG	IRG LED high bay, 24 inch, 24,000 lumens, standard efficiency, Acrylic frosted lens, general distribution, 3000 K 70 CRI rotatable optics, 60 degree rotation	1	26048	0.95	147.85
F3	D		16	Lithonia Lighting	IRG 18000LM SEP AFL GND 50K 70CRI	IRG LED high bay, 24 inch, 18,000 lumens, standard efficiency, Acrylic frosted lens, general distribution, 3000 K 70 CRI	1	17979	0.95	107.05
F4	E		10	Lithonia Lighting	STL4 60L E21 LP840	STL4 4' 6000 NOMINAL LUMENS 4000K	1	5811	0.95	53.2
F5	F		8	Lithonia Lighting	STL4 60L E21 LP850	STL4 4' 6000 NOMINAL LUMENS 5000K	1	5953	1	53.2
										Max: 1069Kd
										Max: 11310d
										Max: 6363Gd
										Max: 60710d
										Max: 20039d
										Max: 2009Kd



**RPS 205 Bus Barn Remodel**  
Rockford, IL

## Bus Barn Remodel



Prepared For:

3/1

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