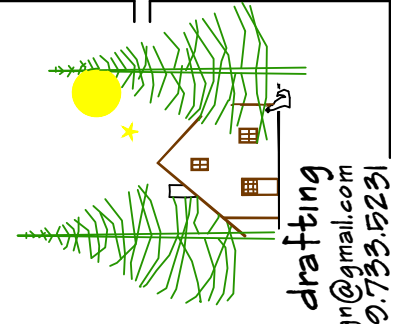


THUNDER BAY COMMUNITY HEALTH SERVICE, INC. ATLANTA SERVICES 2023 PHARMACY ADDITION



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11899 M-32 W
ATLANTA, MICHIGAN, 49709

OWNER'S ADDRESS:

THUNDER BAY COMMUNITY
HEALTH SERVICES, INC.
15774 STATE STREET
HILLMAN, MI 49746

PROJECT MANAGER:

BRUCE DIETZ
100 N. RIPLEY STREET
ALPENA, MICHIGAN 49707
(989) 350-1099

TITLE SHEET

GENERAL NOTES

1. THE CONTRACT DOCUMENTS DO NOT ATTEMPT TO DIVIDE AND ASSIGN WORK TO THE SUB-CONTRACTOR(S). VERIFY WITH THE OWNER (CONSTRUCTION MANAGER) ALL ASSIGNMENTS OF WORK, ESPECIALLY THOSE ITEMS WHICH COULD BE ASSIGNED TO VARIOUS/MULTIPLE SUB-CONTRACTORS.
2. THE DRAWINGS ARE GRAPHIC AND PICTORIAL PORTIONS OF THE CONTRACT DOCUMENTS SHOWING THE GENERAL DESIGN INTENT AND LOCATION OF THE WORK.
3. IN CASE OF DISCREPANCIES, INCONSISTENCIES OR AMBIGUITIES WITHIN THE CONTRACT DOCUMENTS, THE MOST STRINGENT REQUIREMENT SHALL GOVERN UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER OR OWNER IN WRITING. THE TERM "MOST STRINGENT REQUIREMENT" SHALL MEAN THAT WHICH IS THE MORE RIGOROUS OR EXACTING AND THAT WHICH WILL RESULT IN THE BETTER QUALITY AFFECTED PART OF THE WORK.
4. EACH CONTRACTOR SHALL INCLUDE ALL ITEMS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF HIS PORTION OF THE WORK TO THE EXTENT CONSISTENT WITH THE CONTRACT DOCUMENTS AND REASONABLY INFERRABLE FROM THEM AS BEING NECESSARY TO PRODUCE THE INTENDED RESULTS.
5. THE DRAWINGS ARE NOT INTENDED AS DOCUMENTATION OF THE SPECIFIC EXISTING CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED. DO NOT SCALE OR RELY UPON THE DRAWINGS FOR EXISTING CONDITIONS AND MEASUREMENTS THEREOF. EACH CONTRACTOR SHALL FIELD VERIFY ALL MEASUREMENTS, SIZES, PROFILES, ELEVATIONS, QUANTITIES, MATERIALS, ETC., OF ALL EXISTING CONDITIONS AFFECTING HIS PORTION OF THE WORK.
6. DETAILS INCLUDED IN THE DRAWINGS ARE INTENDED TO SHOW GENERAL DESIGN INTENT ONLY. THEY ARE NOT INTENDED TO SERVE AS SHOP DRAWINGS OR OTHER FORM OF GUIDE FOR FABRICATION OR INSTALLATION PURPOSES. EACH CONTRACTOR SHALL BE RESPONSIBLE TO ACHIEVE THE COMPLETE AND PROPER ASSEMBLY AND INSTALLATION OF ALL MATERIALS INCLUDED IN HIS PORTION OF THE WORK AND TO PROVIDE SUBMITTALS AS MAY BE REQUIRED FOR ALL FABRICATED ITEMS INCLUDED THEREIN.
7. ALL WORK WILL BE DONE BY CONTRACTORS LICENSED IN THE STATE OF MICHIGAN. ALL CONTRACTORS WILL SUPPLY THEIR REQUIRED PERMITS AND SCHEDULE THEIR RESPECTIVE INSPECTIONS.
8. ALL WORK MUST BE DONE IN STRICT ACCORDANCE WITH OSHA & MIOSHA.
9. CONTRACTORS WILL SUPPLY TEMPORARY JOB SITE OFFICE TRAILERS, TOOL SHEDS, TELEPHONE, ELECTRICAL OUTLETS, LIGHTING, HEATING DEVICES, ETC., AS REQUIRED FOR CONSTRUCTION. OWNER WILL PAY UTILITY COST FOR NORMAL AMOUNTS OF ELECTRICITY AND NATURAL GAS USED DURING CONSTRUCTION. CONTRACTOR WILL NOT USE THE PERMANENT HEATING SYSTEM FOR TEMPORARY HEATING UNLESS APPROVED BY OWNER.

10. UPON COMPLETION, CONTRACTOR WILL REMOVE FROM THE PREMISES ALL SURPLUS MATERIAL AND RUBBISH. FINAL CLEANING WILL INCLUDE: CLEAN OR RE-CLEAN ENTIRE WORK TO NORMAL LEVEL FOR "FIRST CLASS" MAINTENANCE/CLEANING OF BUILDING PROJECTS OF A SIMILAR NATURE; REMOVE NON-PERMANENT PROTECTION AND LABELS; POLISH GLASS, CLEAN EXPOSED FIXTURES, TOUCH UP MINOR FINISH DAMAGE; CLEAN OR REPLACE FILTERS OF MECHANICAL SYSTEMS; REMOVE DEBRIS AND BROOM-CLEAN NON-OCCUPIED SPACES; SANITIZE PLUMBING/FOOD SERVICE FACILITIES; CLEAN LIGHT FIXTURES AND REPLACE BURNED OUT OR DIMMED LAMPS; SWEEP AND WASH PAVED AREAS; POLICE YARDS AND GROUNDS; AND PERFORM SIMILAR CLEANUP NEEDED TO PRODUCE A "CLEAN" CONDITION.
11. OWNER WILL SUPPLY BUILDER'S RISK INSURANCE ON ALL NEW CONSTRUCTION. OWNER WILL SUBMIT TO CONTRACTOR A CERTIFICATE OF INSURANCE FOR THIS BEFORE START OF CONSTRUCTION.
12. CONTRACTOR WILL SUPPLY WORKER'S COMPENSATION INSURANCE, GENERAL LIABILITY INSURANCE, AND AUTOMOTIVE INSURANCE. CONTRACTOR WILL SUBMIT TO OWNER A CERTIFICATE OF INSURANCE FOR THESE ITEMS BEFORE START OF CONSTRUCTION.
13. ALL CONTRACTORS WILL CLEAN UP AFTER THEIR WORK, AND DISPOSE OF OFF SITE AT LOCAL LANDFILL. SITE BURNING IS PROHIBITED. CONTRACTOR WILL PERFORM CLEAN UP DAILY TO PREVENT THE ACCUMULATION OF DEBRIS.
14. PLUMBING, MECHANICAL, AND ELECTRICAL CODES ARE THE JURISDICTION OF THE STATE OF MICHIGAN CONSTRUCTION CODE, PERMITS AND INSPECTIONS ARE REQUIRED. SEE PLUMBING, MECHANICAL, AND ELECTRICAL PLANS.
15. ALL WORK MUST COMPLY WITH THE 2015 STATE OF MICHIGAN BUILDING CODE, PERMITS AND INSPECTIONS ARE REQUIRED.
16. SEE SITE PLAN FOR BUILDING LOCATION, PARKING, DRIVES, UTILITIES, BARRIER FREE BUILDING ENTRANCES, OTHER BARRIER FREE DETAILS, ETC. CONSULT WITH CITY FOR ALL SETBACKS, PARKING REQUIREMENTS, DRIVEWAY REQUIREMENTS, LANDSCAPING REQUIREMENTS, ETC.

CODE INFORMATION

1. THE PROJECT HAS BEEN REVIEWED ACCORDING TO THE 2015 MICHIGAN BUILDING CODE (INCORPORATING THE 2015 EDITION OF THE INTERNATIONAL BUILDING CODE).
2. MICHIGAN BUILDING CODE CLASSIFICATION OF OCCUPANCY IS BUSINESS USE GROUP "B".
3. MICHIGAN BUILDING CODE TYPE OF CONSTRUCTION IS UNPROTECTED TYPE "VB".
4. THE MICHIGAN BUILDING CODE ALLOWABLE AREA WITH ALLOWABLE INCREASES IS 15,750 SQ. FT. THE ALLOWABLE HEIGHT IS 2 STORIES.
5. THE PHARMACY ADDITION IS SEPARATED FROM THE EXISTING BUILDING WITH A 2-HOUR RATED FIRE WALL.
6. MICHIGAN BUILDING CODE OCCUPANT LOAD IS 157 FOR THE EXISTING BUILDING AND 10 FOR THE ADDITION.
7. INSTALL EXIT SIGNS AND LIGHTS, AND MEANS OF EGRESS LIGHTING PER MICHIGAN BUILDING CODE CHAPTER 10.
8. SUPPLY INTERIOR FINISH AND TRIM PER MICHIGAN BUILDING CODE CHAPTER 8 AND THE ROOM FINISH SCHEDULE.
9. INSTALL LIGHTING AND VENTILATION PER MICHIGAN BUILDING CODE CHAPTERS 12, 27, 28, AND 29.
10. ADDITION SURPASSES ENERGY CONSERVATION REQUIREMENTS OF THE MICHIGAN BUILDING CODE, CHAPTER 13 AND THE MICHIGAN UNIFORM ENERGY CODE.
11. PLUMBING, MECHANICAL, AND ELECTRICAL PERMITS ARE REQUIRED AND SHALL BE OBTAINED FROM THE AUTHORITY HAVING JURISDICTION.
12. ALL WORK AND THE ENTIRE BUILDING MUST COMPLY WITH THE STATE OF MICHIGAN'S BARRIER FREE LAW AND THE AMERICAN'S WITH DISABILITIES ACT.
13. ALL WORK IN THE ADDITION AND REMODEL MUST COMPLY WITH THE STATE OF MICHIGAN'S BARRIER FREE LAW AND THE AMERICAN'S WITH DISABILITIES ACT AND THE UNIFORM FEDERAL ACCESSIBILITY STANDARDS.
14. PORTABLE FIRE EXTINGUISHERS SHALL BE 3A:40B:C, AND WILL BE INSTALLED WITHIN 75' TRAVEL DISTANCE.

DRAWING INDEX

TS	TITLE SHEET
C1	SITE PLAN
A1	EXISTING and DEMOLITION FLOOR PLAN
A2	FLOOR PLAN
A3	FOUNDATION and ROOF FRAMING PLAN
A4	ELEVATIONS
A5	CASEWORK
A6	ROOM FINISH, WINDOW, and DOOR SCHEDULES
P1	PLUMBING PLAN
M1	MECHANICAL PLAN
M2	MECHANICAL SCHEDULE & DETAILS
M3	MECHANICAL SPECIFICATIONS
E1	ELECTRICAL LIGHTING PLAN
E2	ELECTRICAL POWER PLAN

PROJECT
THUNDER BAY
COMMUNITY HEALTH SERVICE, INC.
2023 ATLANTA PHARMACY ADDITION

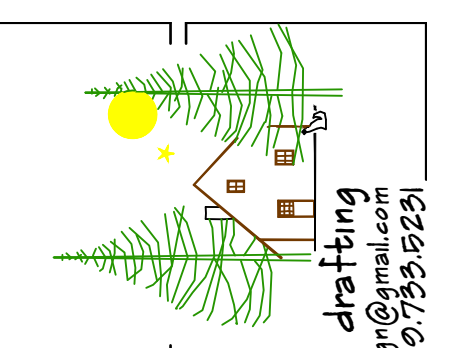
ISSUED
BD SET APR 27, 2023

ENGINEER

JOB NUMBER
221106

SHEET NO.

A1



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 architectural design and drafting
 e-mail: redstickdesign@gmail.com
 tele: 909.799.8291

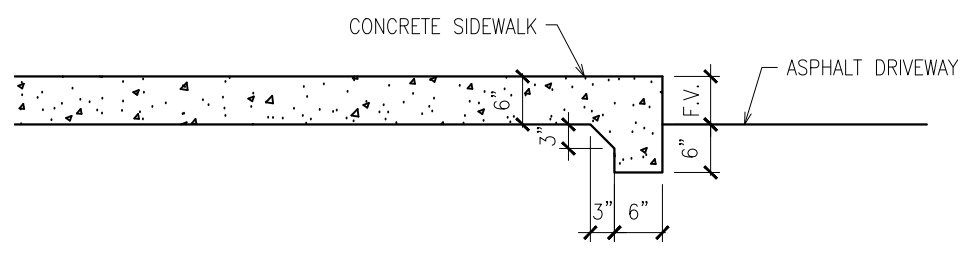
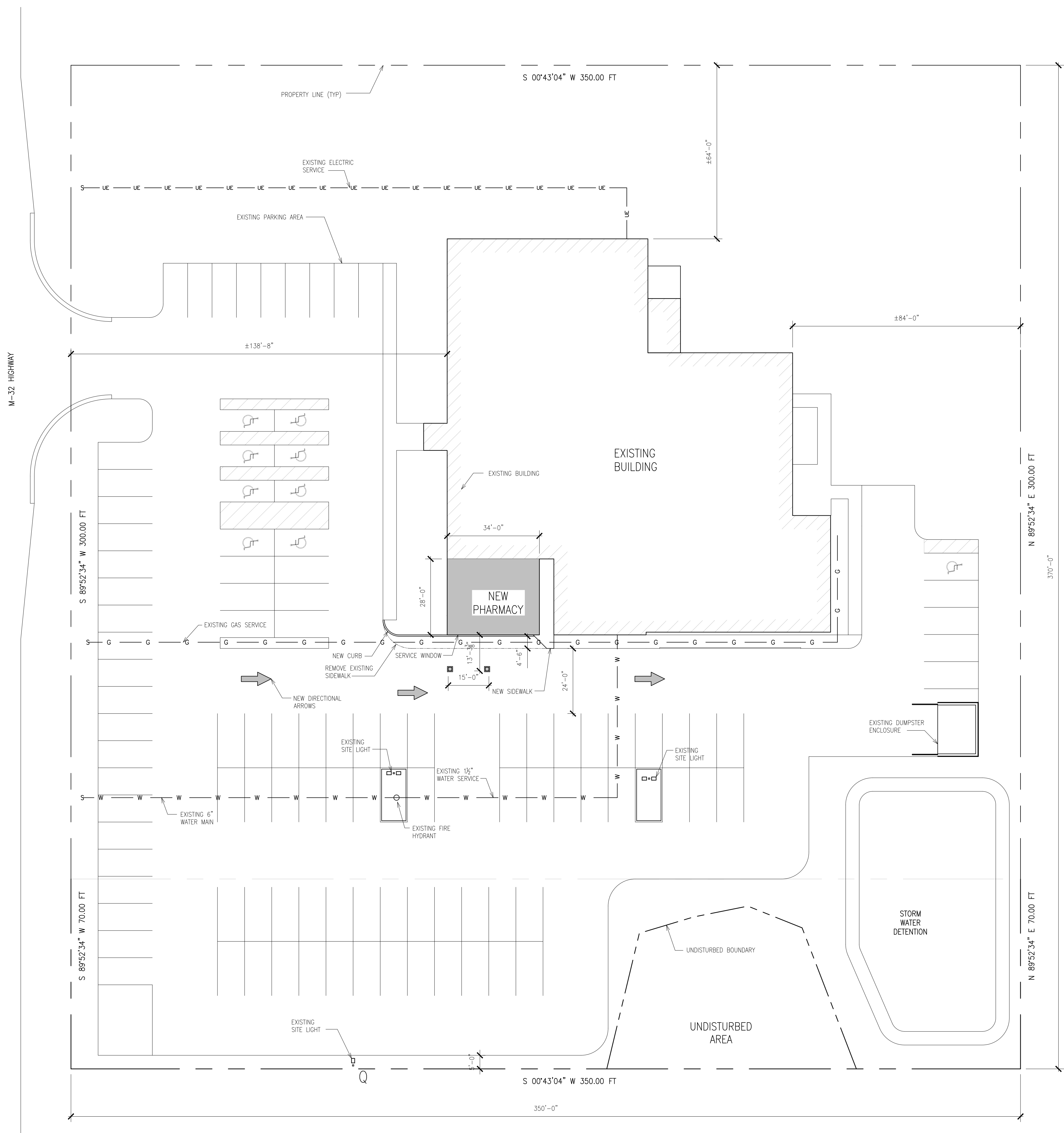
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SITE PLAN

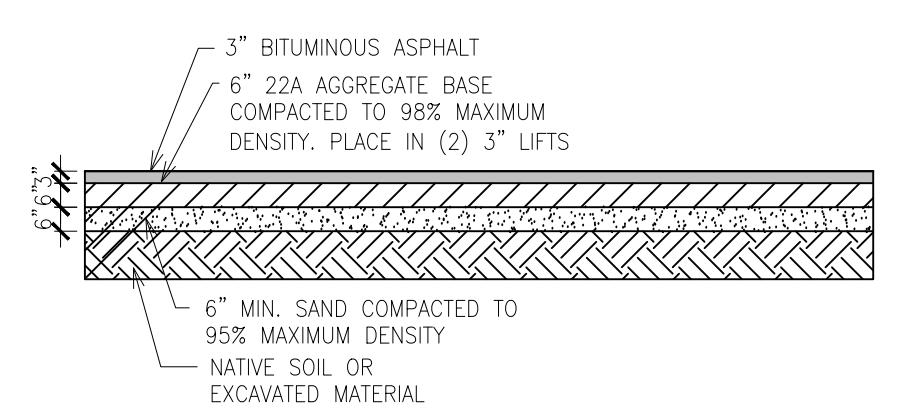
PROJECT TITLE
 THUNDER BAY
 COMMUNITY HEALTH SERVICE, INC.
 2023 ATLANTA PHARMACY ADDITION

ISSUED: APR 27, 2023
ENGINEER:
JOB NUMBER: 2211.06
SHEET NO.:

CI



TYPICAL SECTION THRU THICKENED EDGE SIDEWALK DETAIL
 SCALE: NONE

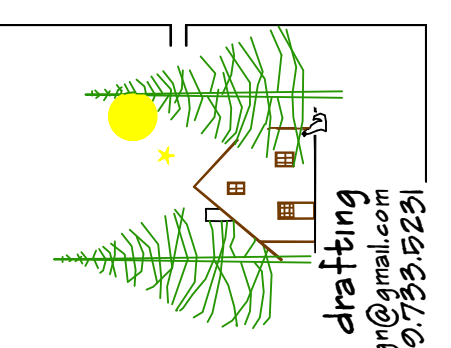


TYPICAL SECTION THRU DRIVEWAY AND PARKING AREA
 SCALE: NONE

SITE NOTES
 1. PARKING LOT, SIDEWALKS, BUILDING ENTRANCES, PARKING SPACES, SIGNS, ETC., WILL ALL BE PER THE STATE OF MICHIGAN AND THE ADA BARRIER FREE CODE.

SITE PLAN
 SCALE: 1" = 20'-0"

SITE INFORMATION
 BUILDING ADDRESS
 11899 M-32 W
 ATLANTA, MI 49709
 SECTION 11, T30N, R2E
 BRILEY TOWNSHIP
 MONTMORENCY COUNTY



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PROJECT TITLE
EXISTING AND DEMOLITION
FLOOR PLAN

PROJECT
THUNDER BAY
COMMUNITY HEALTH SERVICE, INC.
2023 ATLANTA PHARMACY ADDITION

ISSUED
BD SET APR 27, 2023

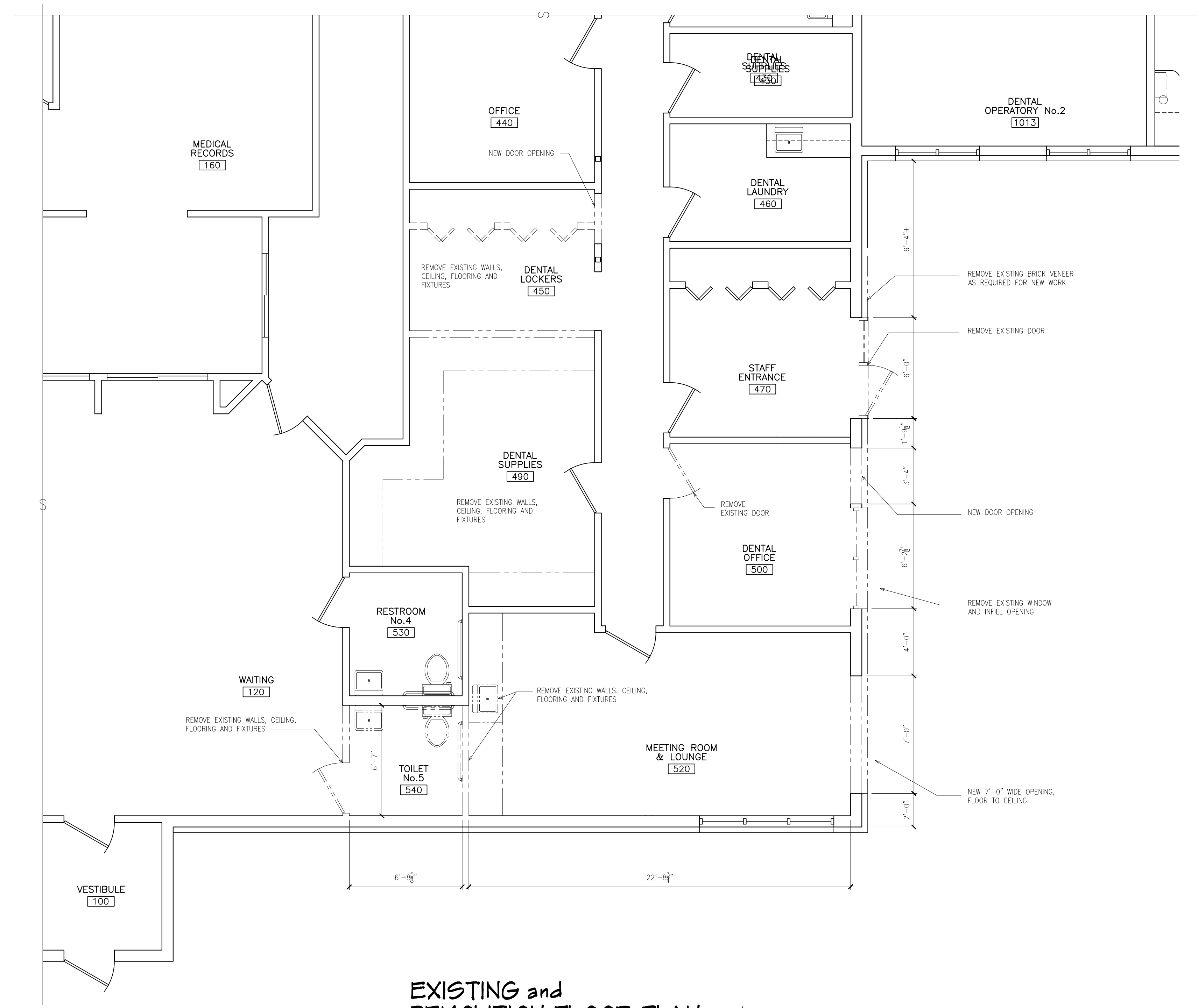
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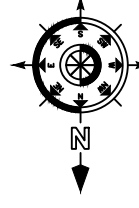
DEMOLITION NOTES

1. CONTRACTOR SHOULD VISIT THE SITE TO FAMILIARIZE THEMSELVES WITH THE EXISTING BUILDING.
2. SEE PLUMBING, MECHANICAL, AND ELECTRICAL SHEETS FOR ADDITIONAL EXISTING AND DEMOLITION INFORMATION.
3. REMOVE EXISTING SUSPENDED CEILING TILE AND GRID AS REQUIRED FOR THE INSTALLATION OF THE NEW INTERIOR WALLS.
4. THE ACCESSIBLE PORTION OF ABANDONED SUPPLY CIRCUITS AND CABLES SHALL BE REMOVED.
5. REMOVE EXISTING ELECTRICAL DEVICES AS REQUIRED FOR ALL DEMOLITION WORK AND NEW CONSTRUCTION.
6. REMOVE ALL MECHANICAL AND PLUMBING DEVICES AS REQUIRED FOR ALL DEMOLITION WORK AND NEW CONSTRUCTION.
7. REMOVE FINISH FLOORING AND BASE IN AREAS OF WALL REMOVAL OR ADDITION.
8. REMOVE EXISTING ROOF SHINGLES AND SIDING AS REQUIRED FOR NEW WORK.



**EXISTING and
DEMOLITION FLOOR PLAN**

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



FLOOR PLAN NOTES

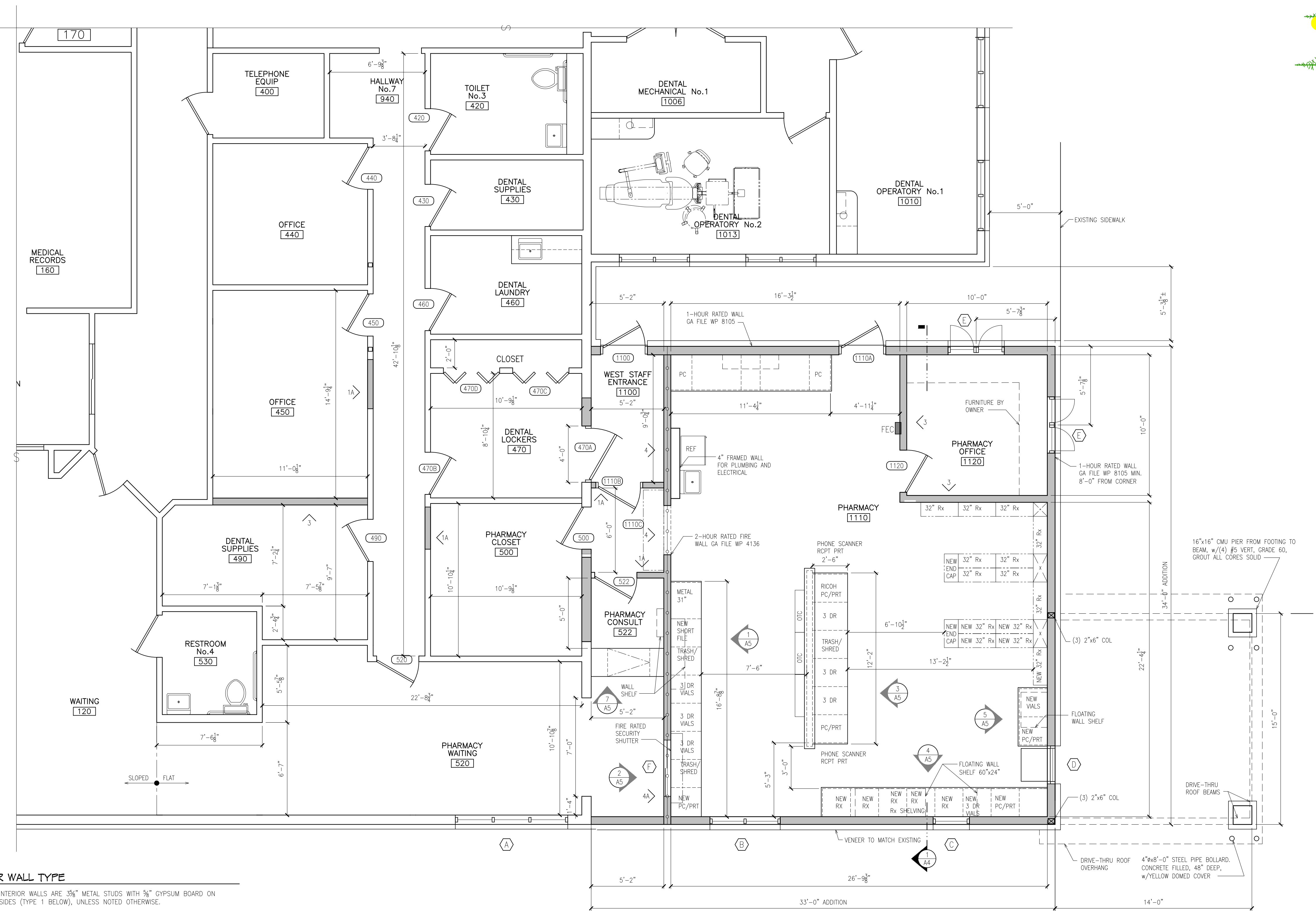
- THE THICKNESS OF THE WALLS ARE AS INDICATED ON THE PRINTS.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD BEFORE THE START OF CONSTRUCTION.
- REFER TO ROOF FRAMING PLAN FOR ATTIC SEPARATION AREAS & ATTIC ACCESS LOCATION
- THE TYPICAL DOOR CORNER DETAIL IS 45° ROUGH FRAMING FROM CORNER AND 90° TO SWING OF DOOR.
- SOUND CONTROL: INSTALL SOUND INSULATION THE FULL HEIGHT OF WALL WHERE SHOWN ON PLANS AND/OR INDICATED IN THE ROOM FINISH SCHEDULE NOTES. PACK INSULATION BETWEEN DOOR JAMB AND FRAMING. DO NOT INSTALL ELECTRICAL BOXES, REGISTERS, DUCT WORK, ETC., BACK-TO-BACK IN THE SAME STUD CAVITY. ELECTRICAL, MECHANICAL, AND PLUMBING SUBCONTRACTORS WILL LAYOUT THEIR WORK ACCORDINGLY, AND CONSULT WITH THE DESIGNER IN THIS REGARD.
- PROVIDE PLASTIC GROMMETS AT ALL COMPUTER LOCATIONS IN DESK/COUNTER TOPS.
- VERIFY CABINET LAYOUT WITH OWNER BEFORE THE START OF CONSTRUCTION.
- PROVIDE CABINET BLOCKING, DIAGONAL SUPPORTS AND ALL ITEMS NECESSARY FOR A COMPLETE INSTALLATION.
- PROVIDE FILLER STRIP(S) BETWEEN WALL AND CABINETS, AS REQUIRED. FILLER STRIPS SHALL MATCH CASEWORK IN ALL RESPECTS. SIZE OF FILLERS SHALL BE 2" MAX.
- GA FILE WP 4136, 2-HOUR RATED FIRE WALL IS A 2"x4" @ 16" O.C. STUD WALL WITH TWO (2) LAYERS OF 5/8" TYPE 'X' GYPSUM BOARD ON BOTH SIDES OF THE WALL, FROM FLOOR TO UNDERSIDE OF FIRE RETARDANT ROOF SHEATHING.
- GA FILE WP 8105, 1-HOUR RATED FIRE WALL IS A 2"x6" @ 16" O.C. STUD WALL WITH ONE (1) LAYER OF 5/8" TYPE 'X' GYPSUM BOARD ON THE INTERIOR AND ONE (1) LAYER OF 5/8" TYPE 'X' GYPSUM BOARD ON THE EXTERIOR, APPLIED PARALLEL TO THE STUDS.
- WHERE RATED WALLS ARE PENETRATED (BY FIRE EXTINGUISHER CABINETS, WATER COOLERS, ELECTRICAL DISTRIBUTION PANELS, ETC.), PROVIDE RECESS OF EQUAL RATING TO THE WALLS.
- DO NOT ALLOW DISSIMILAR METALS TO COME INTO CONTACT WITH EACH OTHER. DISSIMILAR METALS INCLUDE, BUT ARE NOT NECESSARILY LIMITED TO, ALUMINUM, ZINC, IRON (STRUCTURAL STEEL), TIN, LEAD, AND COPPER.
- REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR SIZE, LOCATION AND QUANTITY OF ARCHITECTURAL ITEMS NOT SHOWN ON THE ARCHITECTURAL DRAWINGS, BUT THAT MUST BE PROVIDED FOR INTEGRATION OF MECHANICAL AND ELECTRICAL WORK. THESE ITEMS MAY INCLUDE, BUT ARE NOT LIMITED TO HOUSEKEEPING PADS, ACCESS PANELS, MOUNTING DEVICES, BACKBOARDS, BLOCKING, ETC.
- PROVIDE WOOD BLOCKING BETWEEN BOTTOM CHORDS OF ROOF FRAMING AS REQUIRED TO ANCHOR THE TOP OF PARTITION WALLS WHERE THEY FALL BETWEEN FRAMING. USE UPLIFT CLIPS, DO NOT ATTACH ROOF FRAMING DIRECTLY TO INTERIOR PARTITION WALLS.
- TYPICALLY INTERIOR DIMENSIONS ARE GIVEN TO THE FINISHED FACE OF THE WALL/PARTITION. DIMENSIONS CORRELATING TO EXTERIOR WALLS ARE TYPICALLY TO THE OUTSIDE FACE OF THE CMU UNLESS NOTED OTHERWISE.
- PROVIDE SOLID BLOCKING BEHIND ALL TOILET ACCESSORIES AND OTHER WALL MOUNTED EQUIPMENT. REFER TO INTERIOR ELEVATIONS, PLANS, AND DETAILS FOR LOCATIONS.
- NEW BARRIER FREE SIGNAGE IS TO INCLUDE ONE (1) BUILDING COMPLIANCE SIGNS.
- ALL CONCRETE, MASONRY, AND GYPSUM BOARD CONTROL JOINTS, EXPANSION JOINTS AND SAWCUTS WILL COMPLY WITH ASTM C 94; ACI 301; ACI 318; ACI 530.1; ACSE 6; TMS 602; GA 216; GA 600 AND INDUSTRY STANDARDS.
- PROVIDE FIRE BLOCKING IN ALL NON-INSULATED, COMBUSTIBLE WALL CAVITIES AT SUSPENDED CEILING JUNCTURE, PER MICHIGAN BUILDING CODE, CHAPTER 7.
- FIELD VERIFY ELECTRIC SERVICE LOCATION, WATER SERVICE LOCATION, SANITARY SEWER EXIT LOCATION, SEPTIC TANKS AND DRAIN FIELD LOCATION, FURNACE LOCATION, WATER HEATER LOCATION, GAS METER / REGULATOR LOCATION, ETC. IN FIELD PRIOR TO THE START OF CONSTRUCTION.
- CLOSETS WILL HAVE A SHELF AND ROD UNLESS NOTED OTHERWISE.
- PROVIDE PORTABLE FIRE EXTINGUISHERS IN ACCORDANCE WITH THE INTERNATIONAL FIRE CODE AND THE LOCAL FIRE MARSHALL.
- REVENT ALL PLUMBING STACKS AND PENETRATE THE ROOF ON THE BACK ELEVATION, VERIFY WITH OWNER.
- ALL PLUMBING WILL BE IN INTERIOR WALLS, WHERE POSSIBLE.

FRAMING NOTES

- ALL FRAMING LUMBER 2"x4" THROUGH 2"x8" WILL BE SPF No. 2 & BETTER; ALL FRAMING LUMBER 2"x10" AND 2"x12" WILL BE HEM-FIR, No. 2 & BETTER. DIMENSIONAL FRAMING MATERIAL SHALL BEAR THE GRADE MARK OF AN APPROVED AGENCY, KILN DRIED. ALL LVL BEAMS AND COLUMNS SHALL BE AS NOTED.
- ALL ENGINEERED LUMBER BEAMS WILL BE ROSEBERG FOREST PRODUCTS RIGIDLAM LVL, 3100 FB, 2.1E BEAMS (OR EQUAL), UNLESS OTHERWISE NOTED.
- INSTALL TRUSS UPLIFT BRACKET PER TRUSS MANUFACTURER AND THE LOCAL BUILDING OFFICIAL.
- HEADER SCHEDULE FOR NON-BEARING INTERIOR WALLS (UNLESS OTHERWISE NOTED):
OPENING SIZE, 1'-0" TO 6'-0": (2) 2"x4"
OPENING SIZE, 6'-1" TO 12'-0": (2) 2"x6"
- SEE HEADER SCHEDULE FOR EXTERIOR BEARING WALLS HEADERS.
- INSTALL ALL ENGINEERED LUMBER PER THE MANUFACTURER. INSTALL BLOCKING AND FILLERS AS REQUIRED FOR PROPER LOAD TRANSFER.
- GA FILE WP 4136, 2-HOUR RATED FIRE WALL IS A 2"x4" @ 16" O.C. STUD WALL WITH TWO (2) LAYERS OF 5/8" TYPE 'X' GYPSUM BOARD ON BOTH SIDES OF THE WALL, FROM FLOOR TO UNDERSIDE OF FIRE RETARDANT ROOF SHEATHING.
- GA FILE WP 8105, 1-HOUR RATED FIRE WALL IS A 2"x6" @ 16" O.C. STUD WALL WITH ONE (1) LAYER OF 5/8" TYPE 'X' GYPSUM BOARD ON THE INTERIOR AND ONE (1) LAYER OF 5/8" TYPE 'X' GYPSUM BOARD ON THE EXTERIOR, APPLIED PARALLEL TO THE STUDS.
- CONTRACTOR WILL INSTALL ALL BLOCKING AND BACKERS AS REQUIRED FOR ALL SURFACE-MOUNTED ITEMS SUCH AS, BUT NOT LIMITED TO: GRAB BARS, LIGHT FIXTURES, MIRRORS, TOILET PAPER HOLDERS, PAPER TOWEL DISPENSERS, TOWEL BARS, CURTAIN RODS, CABINETS, SINKS, COAT RACKS, ETC.
- CONTRACTOR WILL USE JOIST HANGERS, JOIST ANGLES, AND ANY OTHER METAL CONNECTORS AS REQUIRED FOR A COMPLETE JOB. CONTRACTOR WILL USE THE PROPER CONNECTOR WITH AN ADEQUATE LOAD RATING FOR THE PROPER USAGE. INSTALL PER THE MANUFACTURER'S RECOMMENDATIONS WITH THE CORRECT AMOUNT AND TYPE OF FASTENERS.
- CONTRACTOR WILL INSTALL ADEQUATE BLOCKING AND/OR CRIPPLES IN ALL WALLS AND UNDER ALL HEADERS AND BEAMS TO TRANSFER ALL LOADS TO THE FOUNDATION.
- INSTALL FIRESTOPPING (OR FIREBLOCKING) AT ALL INTERCONNECTIONS BETWEEN VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS OVER CABINETS, DROP CEILINGS, COVE CEILINGS, STAIRWAY STRINGERS, AND SIMILAR LOCATIONS.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN FIELD BEFORE START OF CONSTRUCTION.
- REFER TO ROOF FRAMING PLAN FOR ATTIC SEPARATION AREAS & ATTIC ACCESS LOCATIONS.

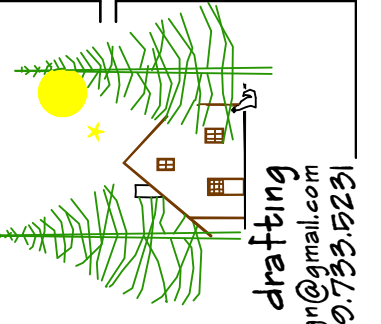
INTERIOR WALL TYPE

- ALL NEW INTERIOR WALLS ARE 3/8" METAL STUDS WITH 5/8" GYPSUM BOARD ON EXPOSED SIDES (TYPE 1 BELOW), UNLESS NOTED OTHERWISE.
 - SHADING INDICATES AREAS OF EXISTING WALL INFILL OR NEW WALL CONSTRUCTION
 - 5/8" METAL STUD WALL w/ 5/8" GYPSUM BOARD EACH SIDE, 4 3/8" WALL THICKNESS.
 - 5/8" METAL STUD WALL w/ 5/8" GYPSUM BOARD EACH SIDE, 3/2" BATT INSULATION FULL HEIGHT OF WALL, 4 1/4" WALL THICKNESS.
 - 5/8" METAL STUD WALL w/ 1/2" RESILIENT CHANNEL ON SIDE INDICATED, 5/8" GYPSUM BOARD EACH SIDE, 3/2" BATT INSULATION FULL HEIGHT OF WALL, 5 3/8" WALL THICKNESS.
 - 5/8" METAL STUD WALL w/ 1/2" RESILIENT CHANNEL AND 5/8" GYPSUM BOARD EACH SIDE, 3/2" BATT INSULATION FULL HEIGHT OF WALL, 5 3/8" WALL THICKNESS.
 - 2"x4" WOOD STUD WALL, TWO (2) LAYERS OF 5/8" GYPSUM BOARD EACH SIDE, WITH 3/2" SOUND INSULATION FULL HEIGHT OF WALL, 6" WALL THICKNESS.
 - 2"x4" WOOD STUD WALL, TWO (2) LAYERS OF 5/8" GYPSUM BOARD EACH SIDE, WITH 3/2" SOUND INSULATION FULL HEIGHT OF WALL, UL-200 LEVEL 2, 3/4" FIBERGLASS BALLISTIC PANEL FROM FLOOR TO 6" ABOVE CEILING ON WAITING ROOM SIDE, 6 3/4" WALL THICKNESS.
- FEC
FIRE EXTINGUISHER AND CABINET



FLOOR PLAN

ADDITION: 1,122 SF SCALE: 1/4" = 1'-0"



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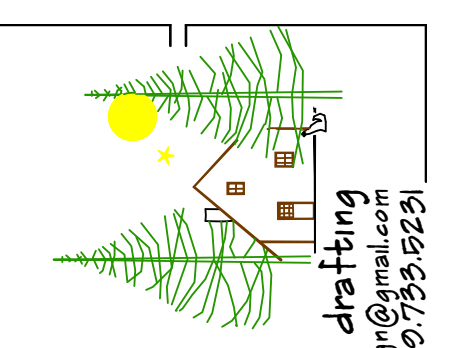
CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD BEFORE THE START OF CONSTRUCTION. REFER TO ROOF FRAMING PLAN FOR ATTIC SEPARATION AREAS & ATTIC ACCESS LOCATION.

FLOOR PLAN

THUNDER BAY
COMMUNITY HEALTH SERVICE, INC.
2023 ATLANTA PHARMACY ADDITION

ISSUED: APR 27, 2023
JOB NUMBER: 221106
SHEET NO:

A2



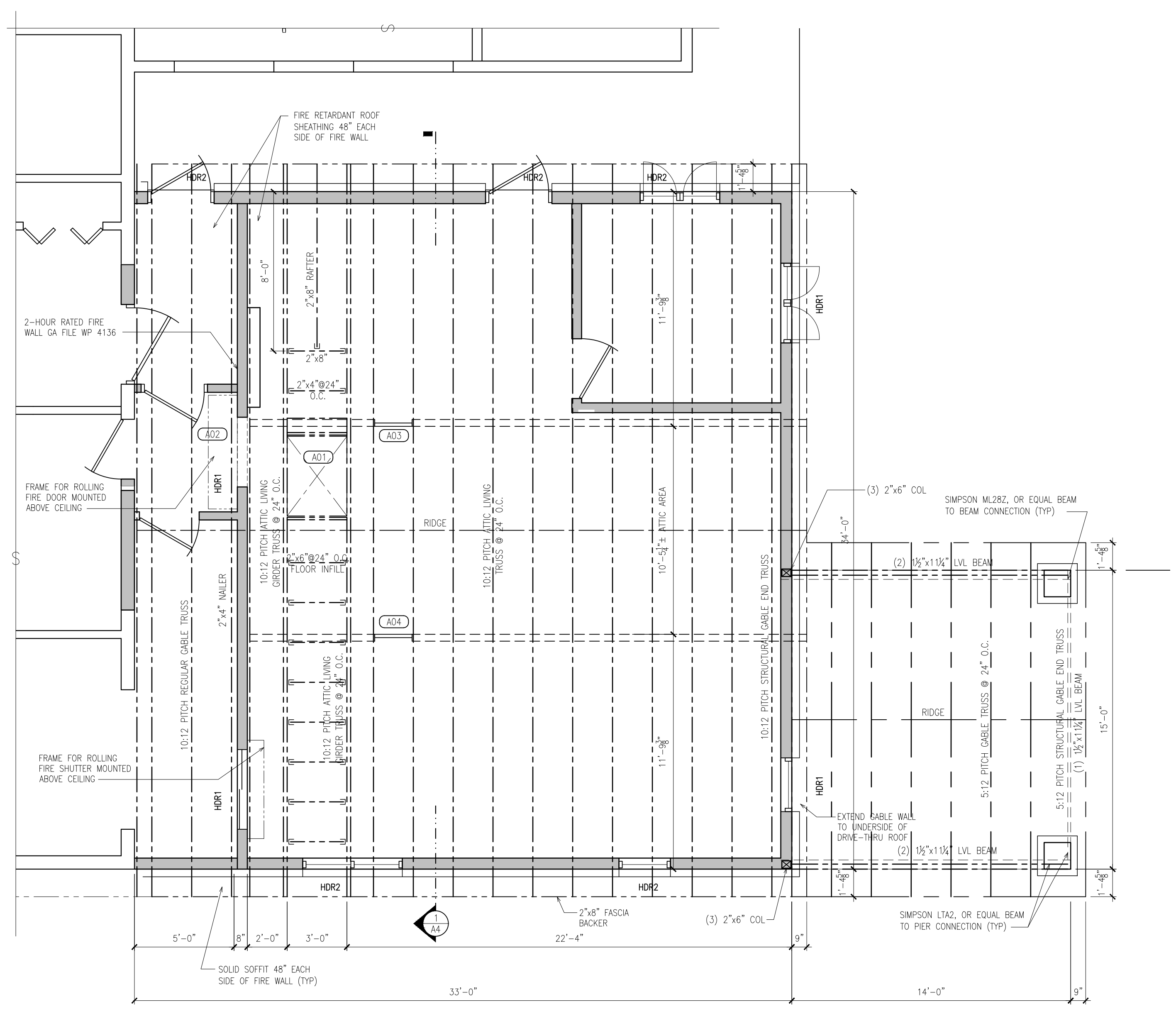
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FOUNDATION AND ROOF FRAMING PLAN

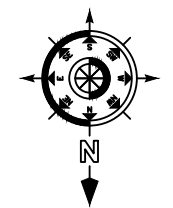
THUNDER BAY COMMUNITY HEALTH SERVICE, INC. 2023 ATLANTA PHARMACY ADDITION

PROJECT: THUNDER BAY COMMUNITY HEALTH SERVICE, INC. 2023 ATLANTA PHARMACY ADDITION
ISSUED: APR 27, 2023
JOB NUMBER: 221106
SHEET NO: A3



ROOF FRAMING PLAN

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



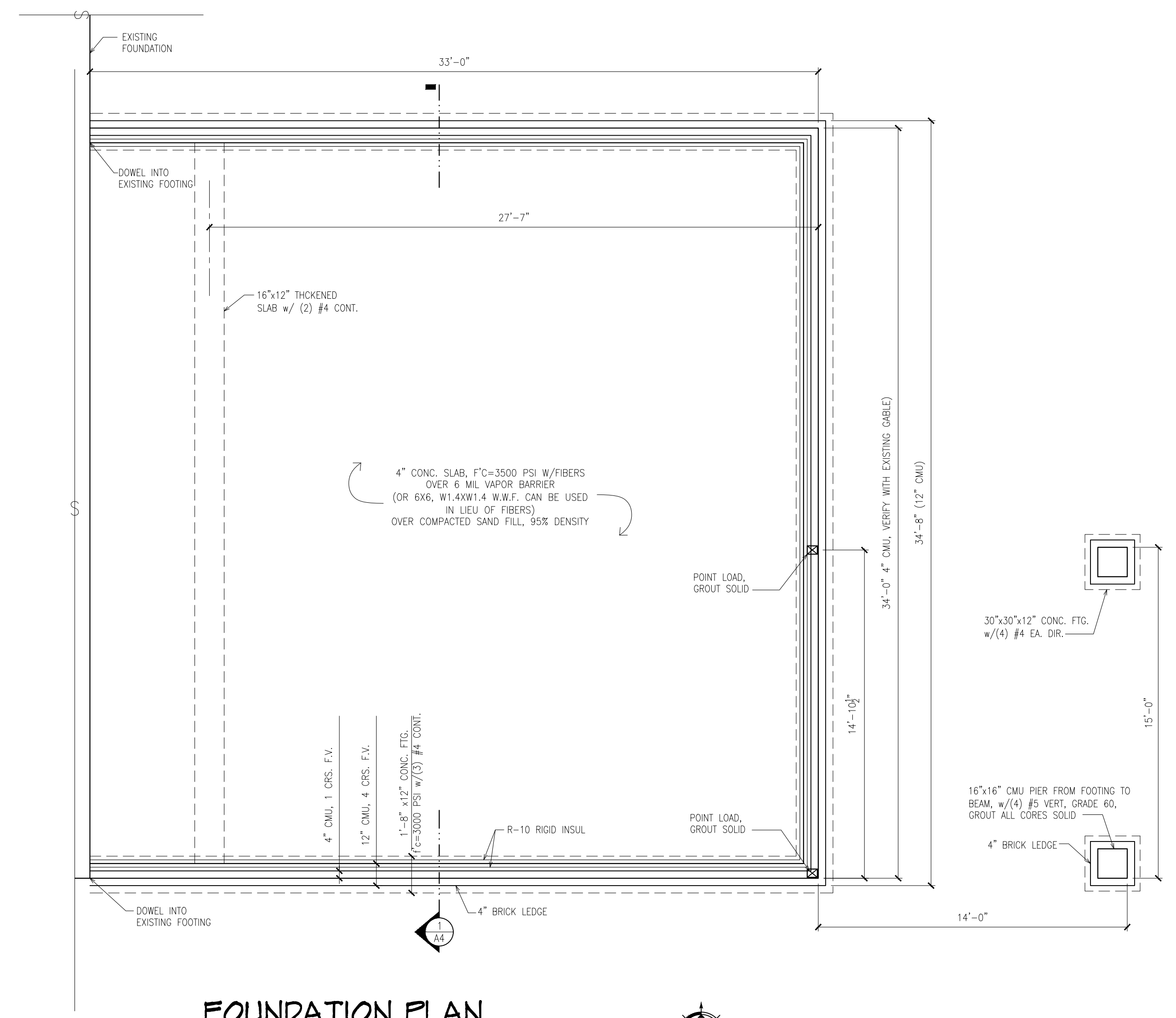
LOAD BEARING HEADER SCHEDULE			
No.	SIZE	JACK STUDS (EACH END)	REMARKS
HDR1	2"x10" SPF No.2	(1) 2"x6" SPF No. 2	
HDR2	(2) 1 1/2"x9 1/4" LVL	(2) 2"x6" SPF No. 2	

ROOF FRAMING NOTES

- CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD BEFORE THE START OF CONSTRUCTION.
- INSTALL SIMPSON TRUSS UPLIFT BRACKET PER LOCAL BUILDING OFFICIAL.
- THE ATTIC ACCESS OPENINGS SHALL BE PER THE DOOR SCHEDULE. LOCATE PER PRINTS, FIELD VERIFY.

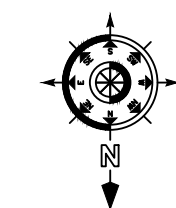
TRUSS NOTES

TYPE: PRE-ENGINEERED, PRE-MANUFACTURED
STYLE: ATTIC LIVING TRUSS; REGULAR GABLE TRUSS
LAYOUT: PER TRUSS MANUFACTURER
PITCH: 10:12, FIELD VERIFY, 5:12
EAVE OVERHANG: 1'-4 1/2" FROM SHEATHING. LIMIT OVERHANG MEMBER LIVE LOAD DEFLECTION TO L/180
CABLE OVERHANG: 9" FROM SHEATHING. LIMIT OVERHANG MEMBER LIVE LOAD DEFLECTION TO L/180
SPACING: 2'-0"
LATERAL BRACING: PER MANUFACTURER, BUILDING OFFICIAL TO INSPECT
HEEL HEIGHT: MATCH EXISTING
CABLE END TRUSS: STRUCTURAL GABLE END TRUSS.
LUMBER SPECIES: PER TRUSS MANUFACTURER
DRAFT STOP: NONE
LOADING: 50 PSF LIVE LOAD (GROUND SNOW) TOP CHORD
50 PSF LIVE LOAD BOTTOM CHORD IN 10'-6 1/2" ATTIC AREA
7 PSF DEAD LOAD TOP CHORD
10 PSF DEAD LOAD BOTTOM CHORD
10 PSF DEAD LOAD ADDITIONAL BOTTOM CHORD IN 10'-6 1/2" ATTIC AREA
NOTES: VERIFY GABLE END VENT SIZE AND LOCATION WITH MECHANICAL CONTRACTOR.
TRUSS DRAWINGS: SUPPLY TRUSS DRAWINGS STAMPED BY A STATE OF MICHIGAN LICENSED ENGINEER TO OWNER AND BUILDING OFFICIAL.
INSTALLATION: INSTALL TRUSSES IN STRICT ACCORDANCE WITH THE TRUSS MANUFACTURER'S INSTRUCTIONS. TRUSS MANUFACTURER TO SUPPLY ALL REQUIRED HANGERS FOR TRUSS INSTALLATION



FOUNDATION PLAN

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



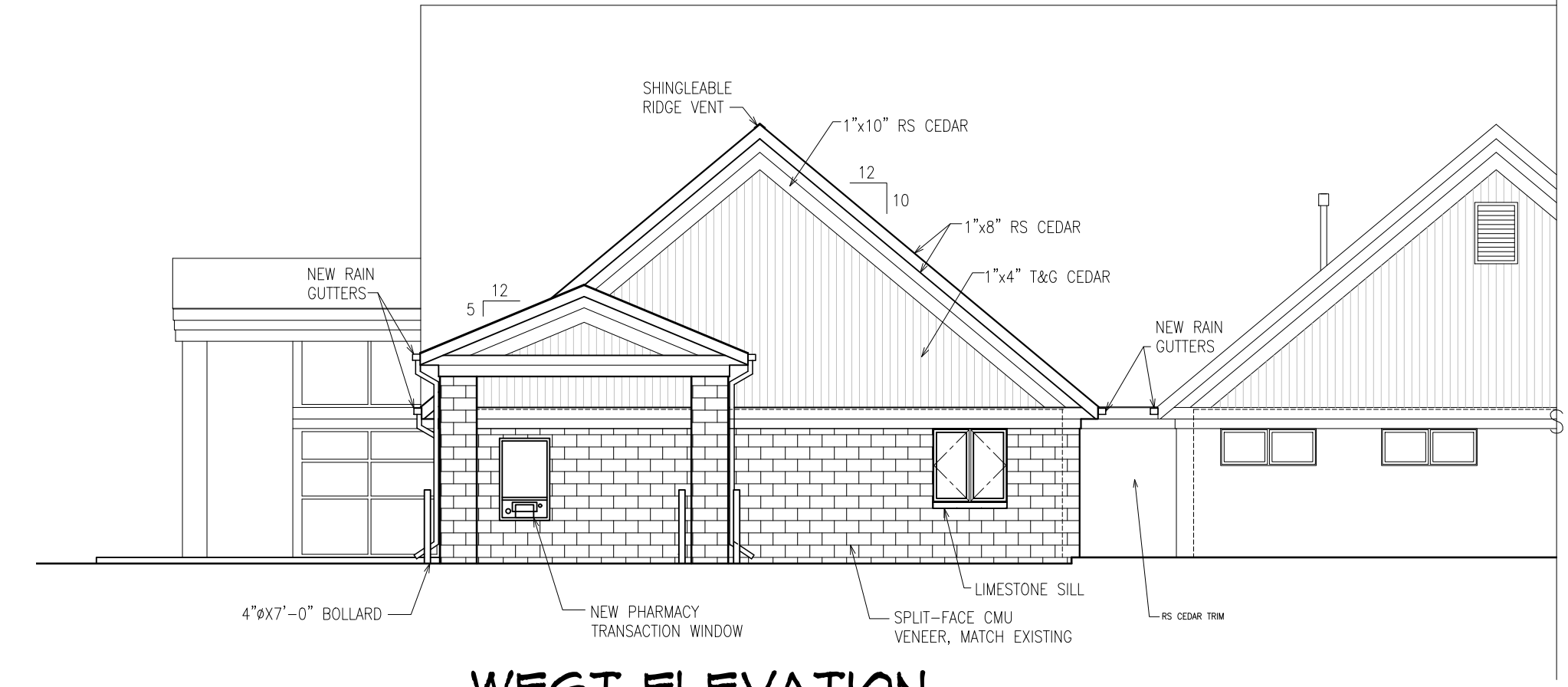
FOUNDATION NOTES

- VERIFY EXISTING FINISH FLOOR ELEVATION PRIOR TO THE START OF CONSTRUCTION.
- REQUIRED SOIL-BEARING CAPACITY IS 2000 PSF (SITE WORK CONTRACTOR TO VERIFY).
- DESIGN LOADS: MAIN FLOOR: 100 PSF; WIND LOADS: 20 PSF; ROOF LIVE (GROUND SNOW) LOADS: 50 PSF; PLUS DEAD LOADS AS REQUIRED.
- ALL FOOTINGS ON UNDISTURBED SOIL OR ENGINEERED FILL (CONTRACTOR TO VERIFY).
- PLACE ENGINEERED FILL IN LAYERS NOT EXCEEDING 8" LOOSE THICKNESS. COMPACT TO AT LEAST 95% OF THE MAXIMUM DENSITY PER ASTM D-1557. COMPACTING BY FLOODING IS NOT PERMITTED.
- ALL FOUNDATION CONCRETE WILL BE f'c=3000 PSI; ALL EXTERIOR CONCRETE WILL BE f'c=4000 PSI WITH FIBERGLASS FIBERS OR W.W.F. (AS NOTED) AND AIR ENTRAINED. ALL INTERIOR CONCRETE WILL BE f'c=3500 PSI WITH FIBERGLASS FIBERS OR W.W.F.
- ALL CONTROL JOINTS, EXPANSION JOINTS AND SAWCUTS WILL COMPLY WITH ASTM C 94; ACI 301; ACI 318; AND ACI 530.1; ASCE 6; TMS 602 AND INDUSTRY STANDARDS.
- AT CONSTRUCTION AND EXPANSION JOINTS, PROVIDE JOINT SEALANTS, JOINT FILLERS, AND OTHER RELATED MATERIAL COMPATIBLE WITH ONE ANOTHER AND WITH JOINT SUBSTRATES UNDER SERVICE AND APPLICATION CONDITIONS. SEALANTS MUST COMPLY WITH ASTM C920.
- ALL CONCRETE REINFORCING STEEL WILL BE Fy=60,000 PSI. CONCRETE REINFORCING BARS SHALL CONFORM TO ASTM A-615 GRADE 60.
- PROVIDE A MINIMUM OF 3" COVER FOR ALL CONCRETE REINFORCING STEEL.
- ALL ANCHOR BOLTS WILL BE A307 STEEL.
- CONTRACTOR WILL SEAL ALL CONCRETE SLABS WITH A TYPE I, CLASS B, COMMERCIAL FLOOR CURING AND SEALING AGENT AS SOON AS POSSIBLE AFTER FINISHING.
- CENTER FOOTINGS UNDER WALL LOCATION UNLESS NOTED OTHERWISE.
- ALL CONCRETE WORK WILL BE DONE IN ACCORDANCE WITH ACI BUILDING CODE (318); MANUAL OF STANDARD PRACTICE FOR DETAILING (315) FOR THE MIXING, FABRICATION, AND PLACEMENT OF CONCRETE, REINFORCING STEEL, AND ACCESSORIES.
- CONTRACTOR WILL INSTALL 6 MIL VAPOR BARRIER UNDER ALL INTERIOR SLABS ON GRADE.
- ALL CONCRETE MASONRY UNITS ARE HOLLOW, GRADE A, AND CONFORM TO ASTM C-145 AND C-90.
- ALL MASONRY WALLS WILL BE REINFORCED HORIZONTALLY WITH "DURAWALL" OR EQUAL @ 16" O.C. AND REINFORCED VERTICALLY BY FILLING ONE CORE (FULL HEIGHT OF WALL) WITH 3500 PSI CONCRETE AND ONE #4 REINFORCING BAR CONTINUOUS @ 4'-0" O.C.
- ALL MORTAR FOR MASONRY WILL BE TYPE "M".
- ALL MASONRY WORK WILL BE DONE IN ACCORDANCE WITH NCM AND ACI 530 AND ASCE 5 SPECIFICATIONS.
- PROVIDE COMPLETELY GROUTED UNITS IN MASONRY AND REINFORCING, AND AS NOTED: UNDER ANY CHANGE OF WALL THICKNESS, I.E.: UNDER LINTEL, BEAM BEARING, OR BEARING POINTS; AND AT VERTICAL BAR REINFORCING.
- CONSULT WITH MECHANICAL CONTRACTOR AND ENGINEER ON UNDER FLOOR PLUMBING, MECHANICAL AND ELECTRICAL ITEMS.
- CONSULT WITH ELECTRICAL CONTRACTOR ON GROUNDING ROD CONNECTION TO FOUNDATION.
- CALL MISSDG, 1-800-482-7171, 72 HOURS (3 WORKING DAYS) BEFORE THE START OF CONSTRUCTION.
- CONTACT BRILEY TOWNSHIP (989) 785-4050, PRIOR TO EXCAVATION, FOR WATER SERVICE LOCATION ASSISTANCE.



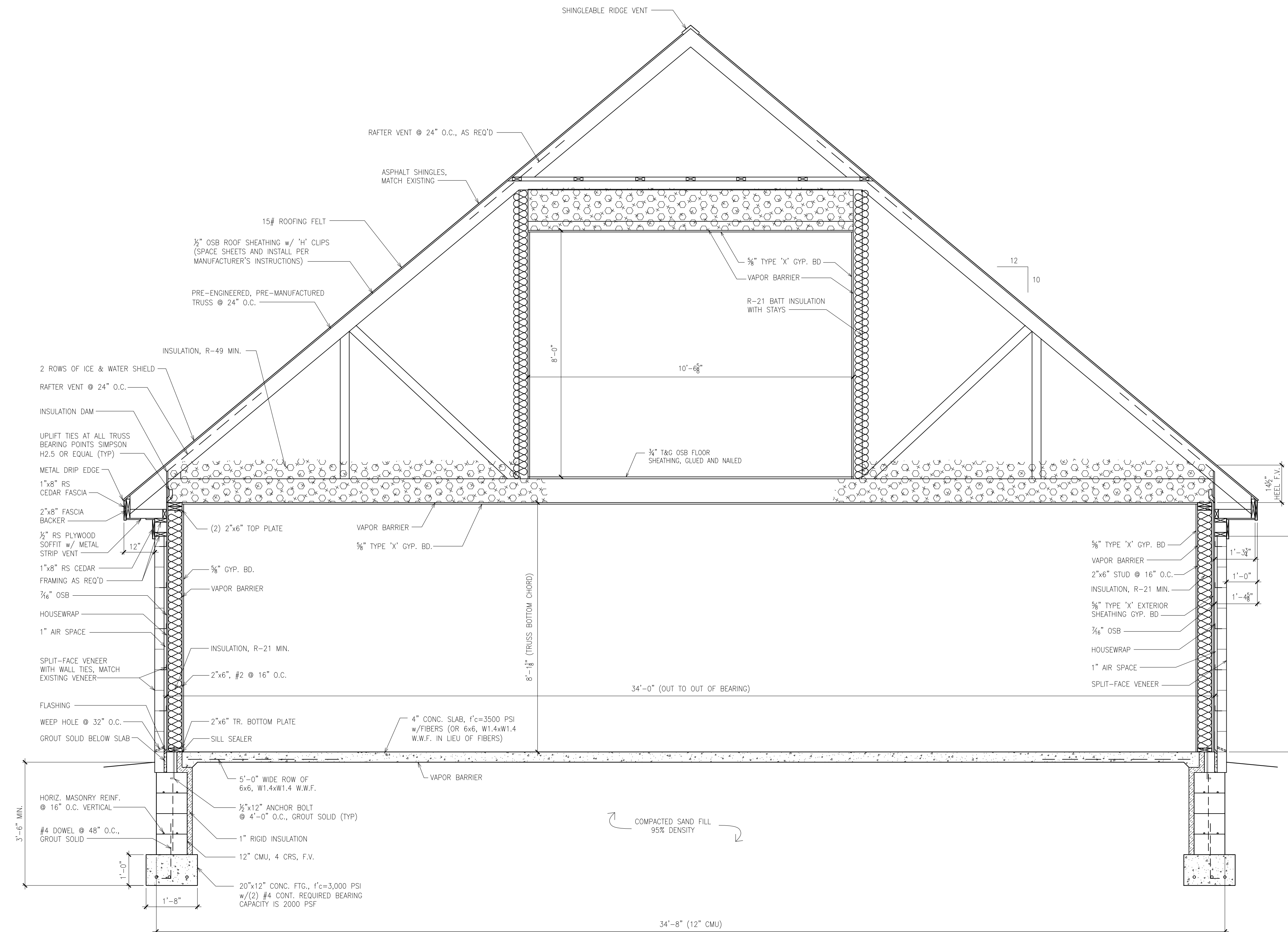
NORTH ELEVATION

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



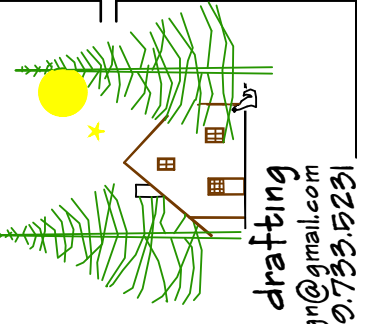
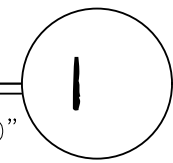
WEST ELEVATION

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



SECTION

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



red stick design
architectural design and drafting
e-mail: redstickdesign@gmail.com
Tel: 908.735.8251

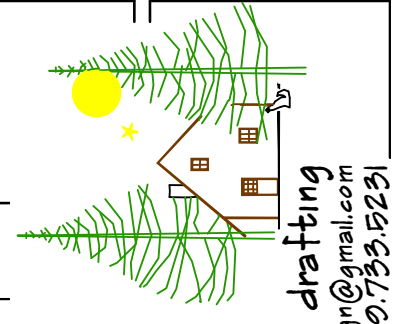
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ELEVATIONS

**THUNDER BAY
COMMUNITY HEALTH SERVICE, INC.
2023 ATLANTA PHARMACY ADDITION**

ISSUED
BP SET APR 27, 2023
ENGINEER
JOB NUMBER
221106
SHEET NO.

A4



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SHEET TITLE
CASEWORK

PROJECT
**THUNDER BAY
COMMUNITY HEALTH SERVICE, INC.
2023 ATLANTA PHARMACY ADDITION**

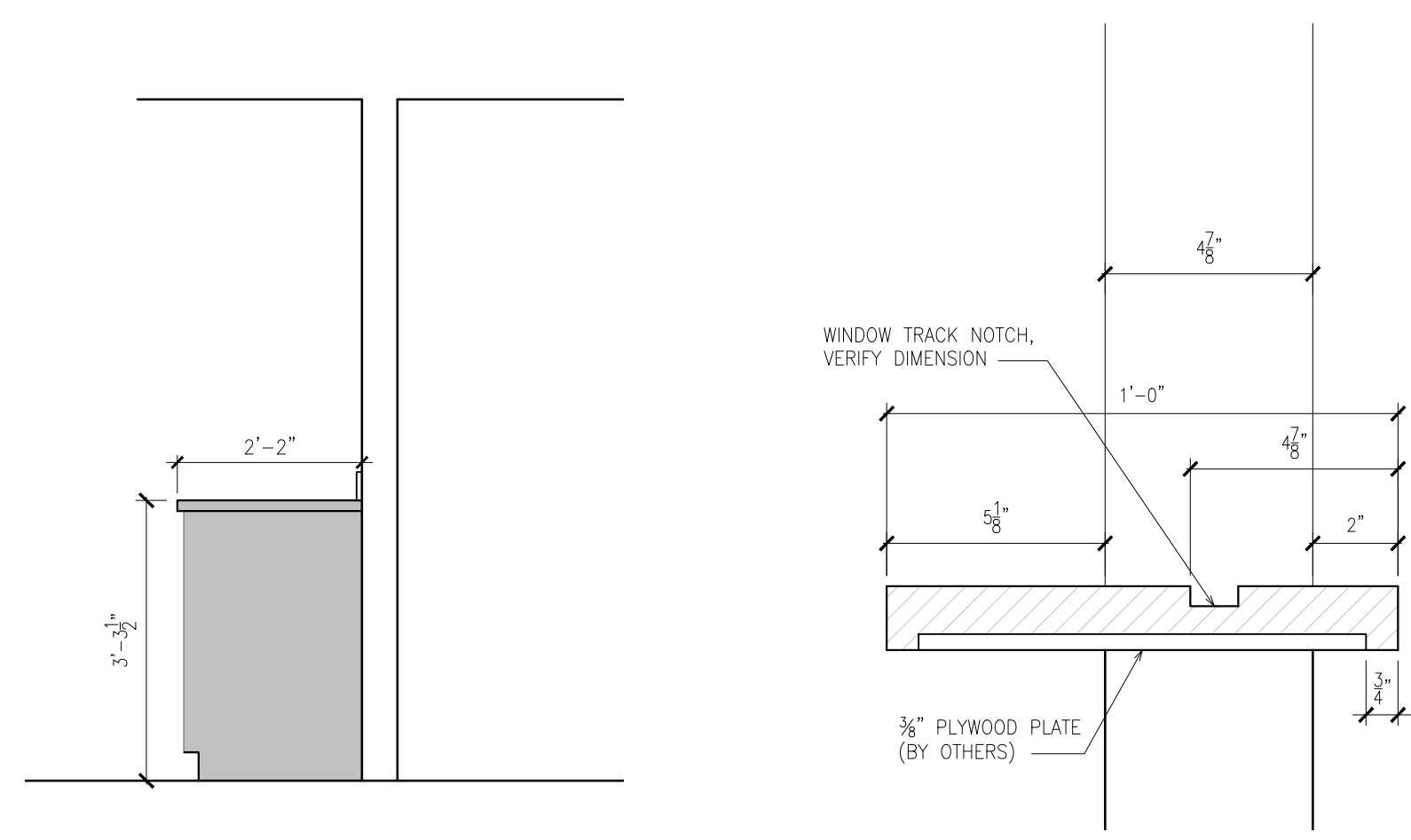
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BD SET APR 27, 2023

ENGINEER

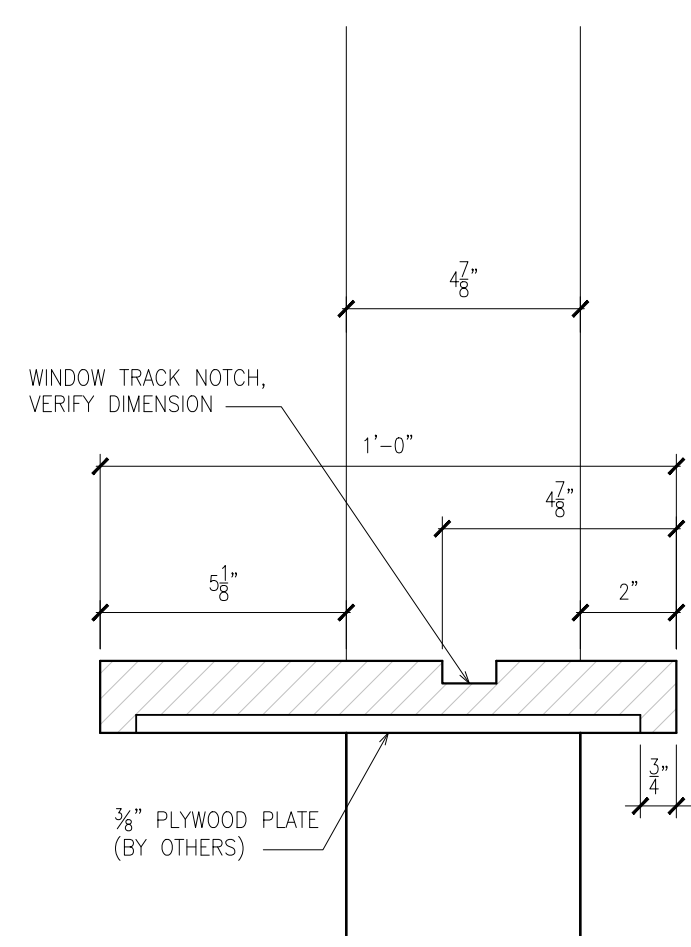
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SHEET NO.

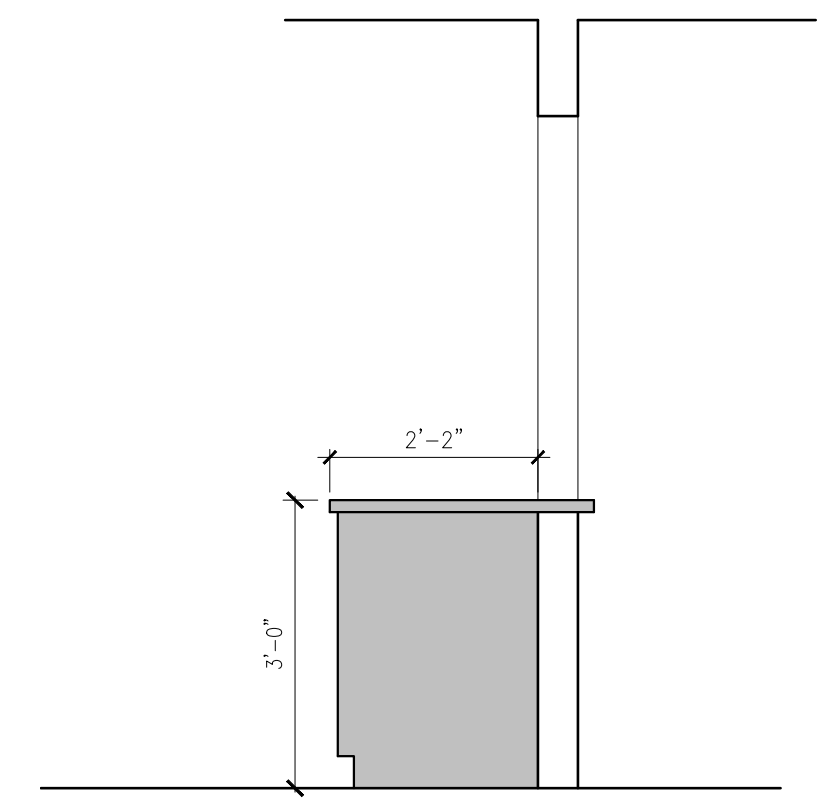
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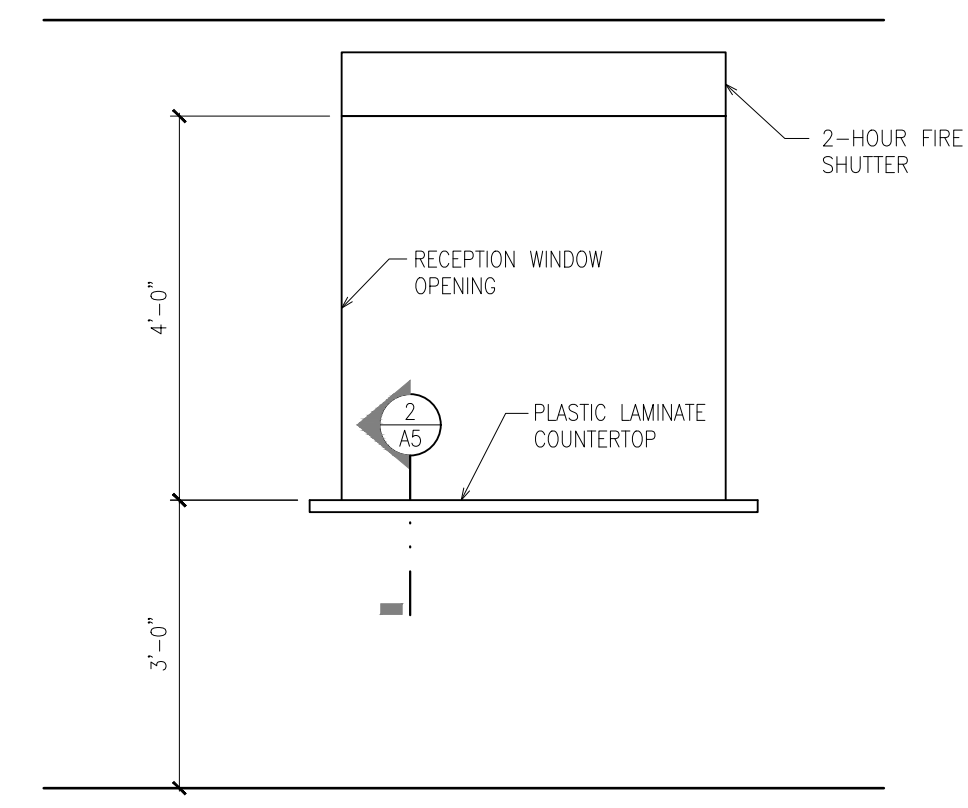
SECTION 3
SCALE: 1/2" = 1'-0"
A5



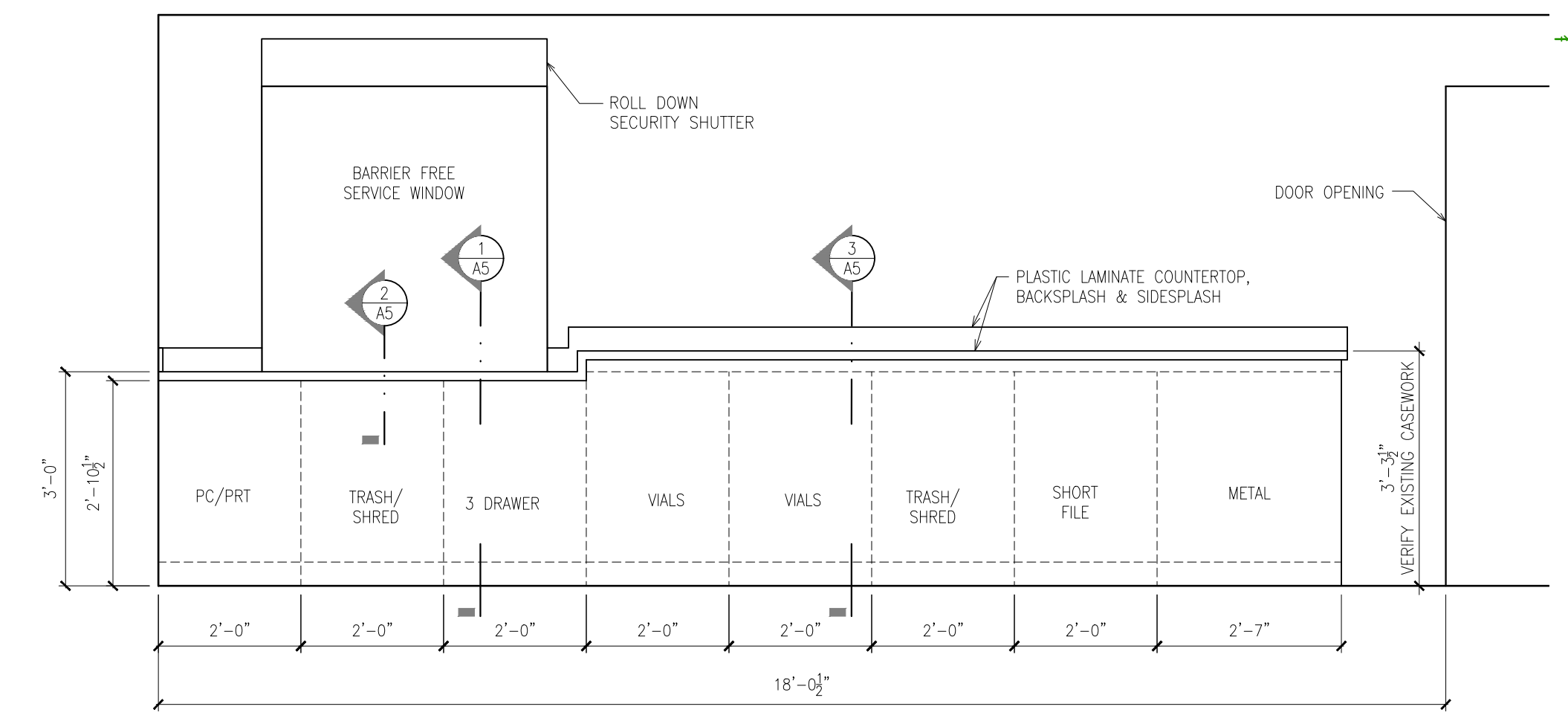
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SCALE: 3" = 1'-0"
A5



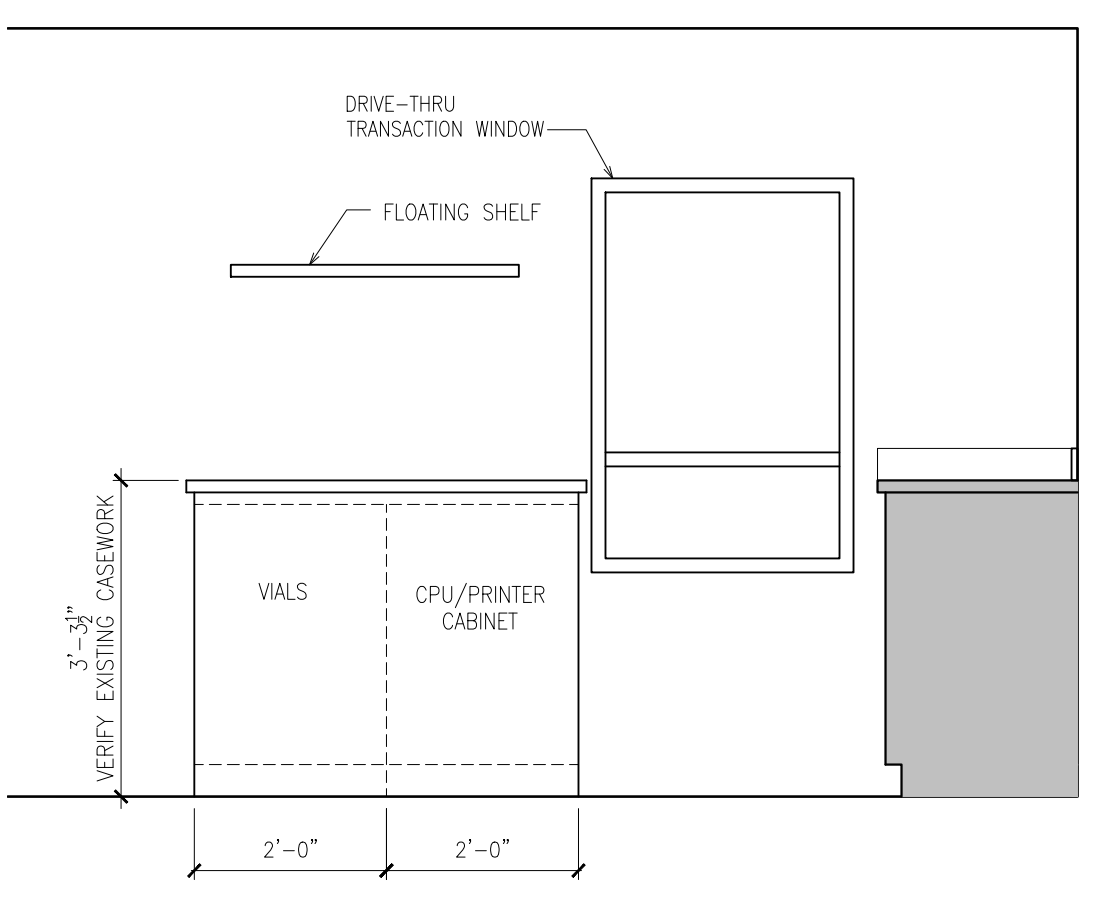
SECTION 1
SCALE: 1/2" = 1'-0"
A5



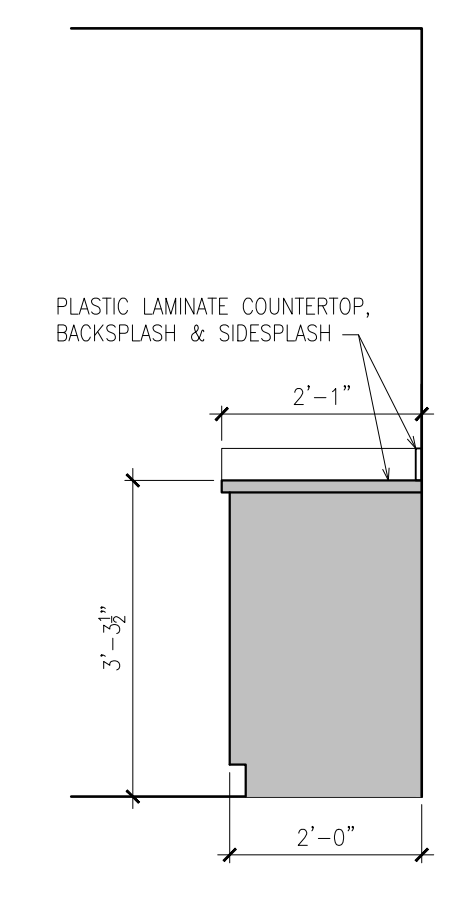
ELEVATION 2
SCALE: 1/2" = 1'-0"
2



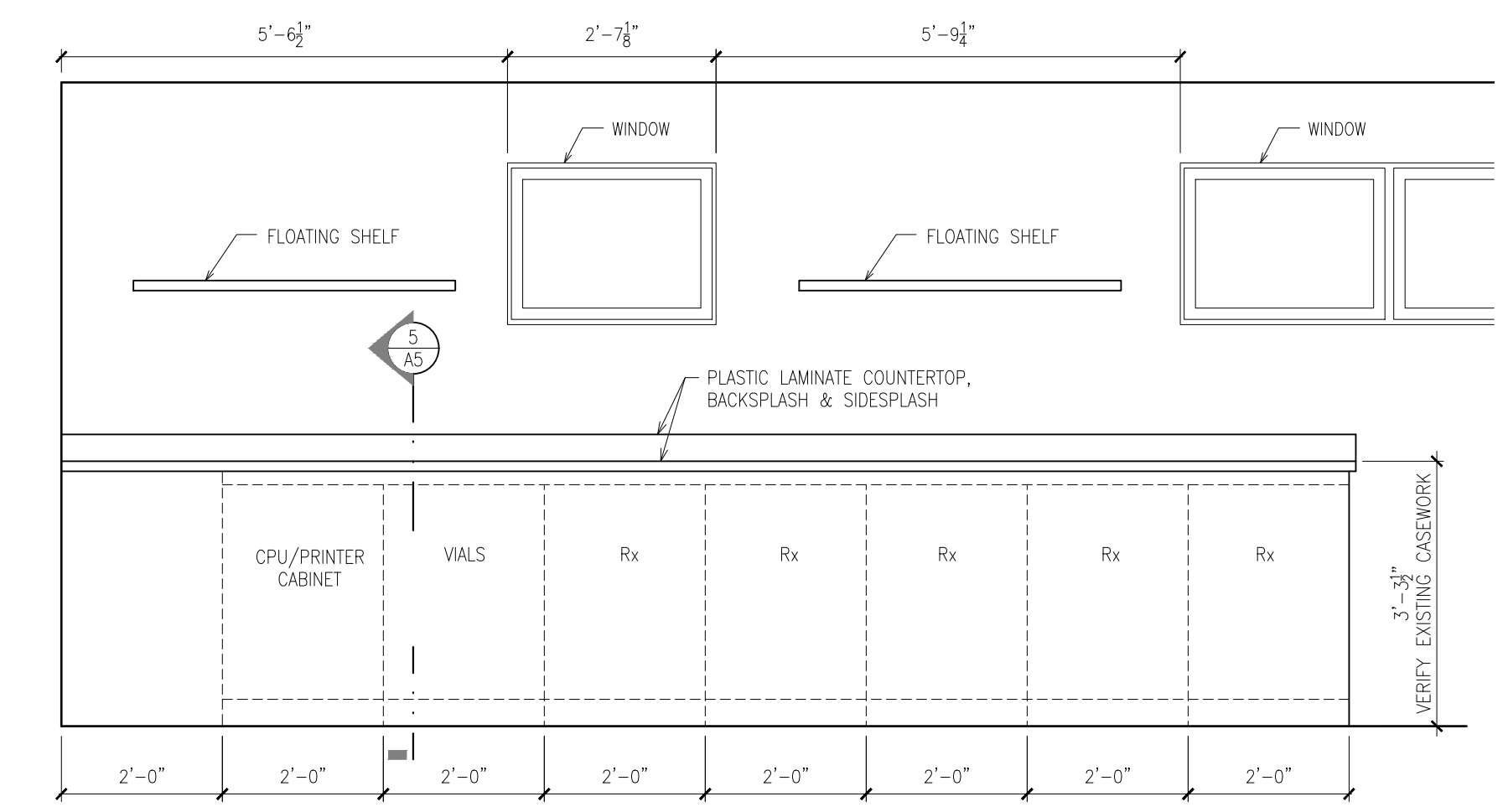
ELEVATION 1
SCALE: 1/2" = 1'-0"
1



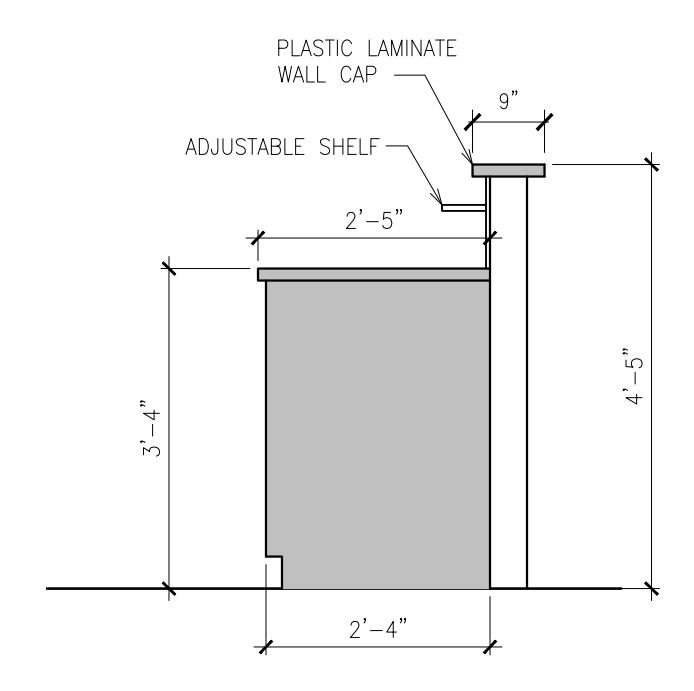
ELEVATION 5
SCALE: 1/2" = 1'-0"
5



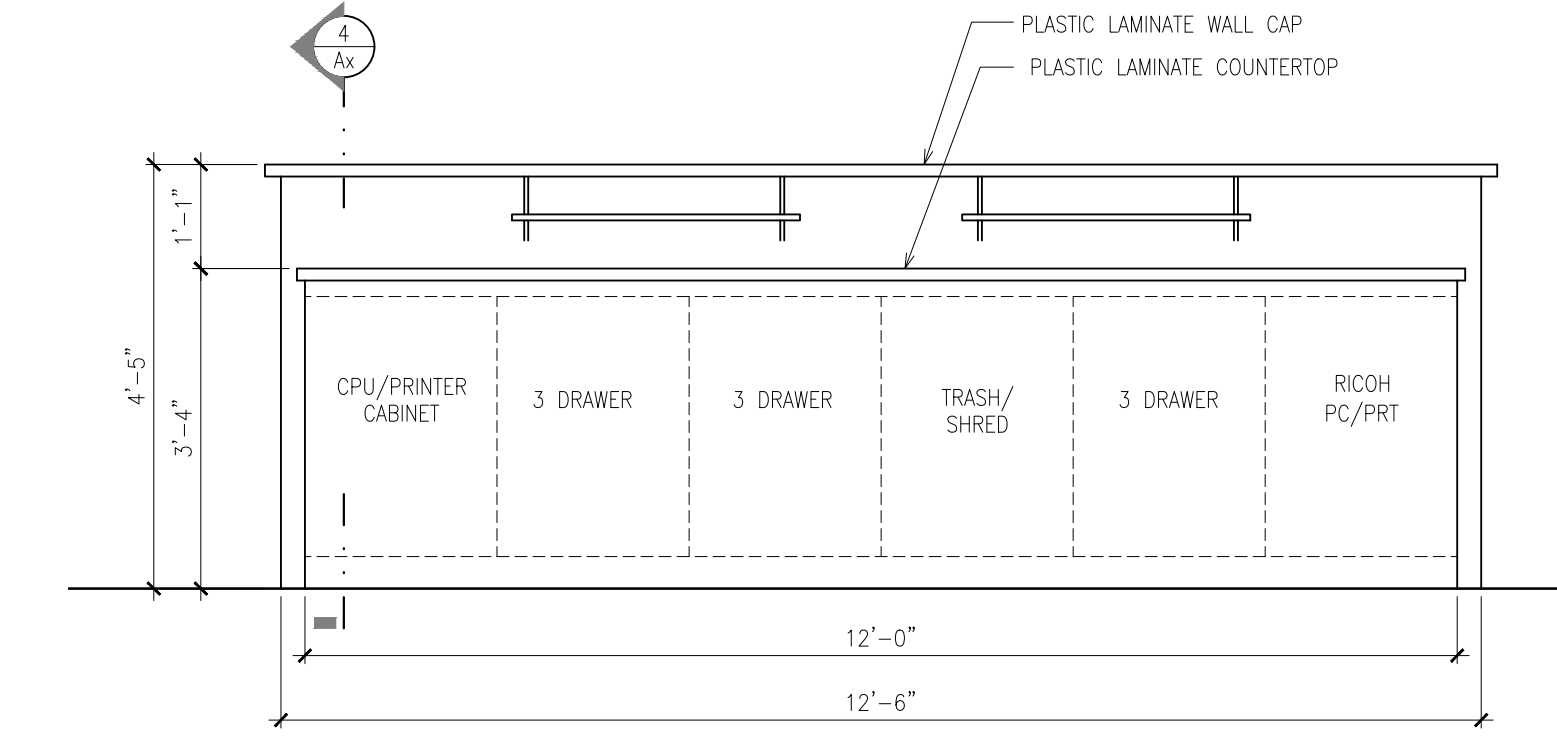
SECTION 5
SCALE: 1/2" = 1'-0"
Ax



ELEVATION 4
SCALE: 1/2" = 1'-0"
4



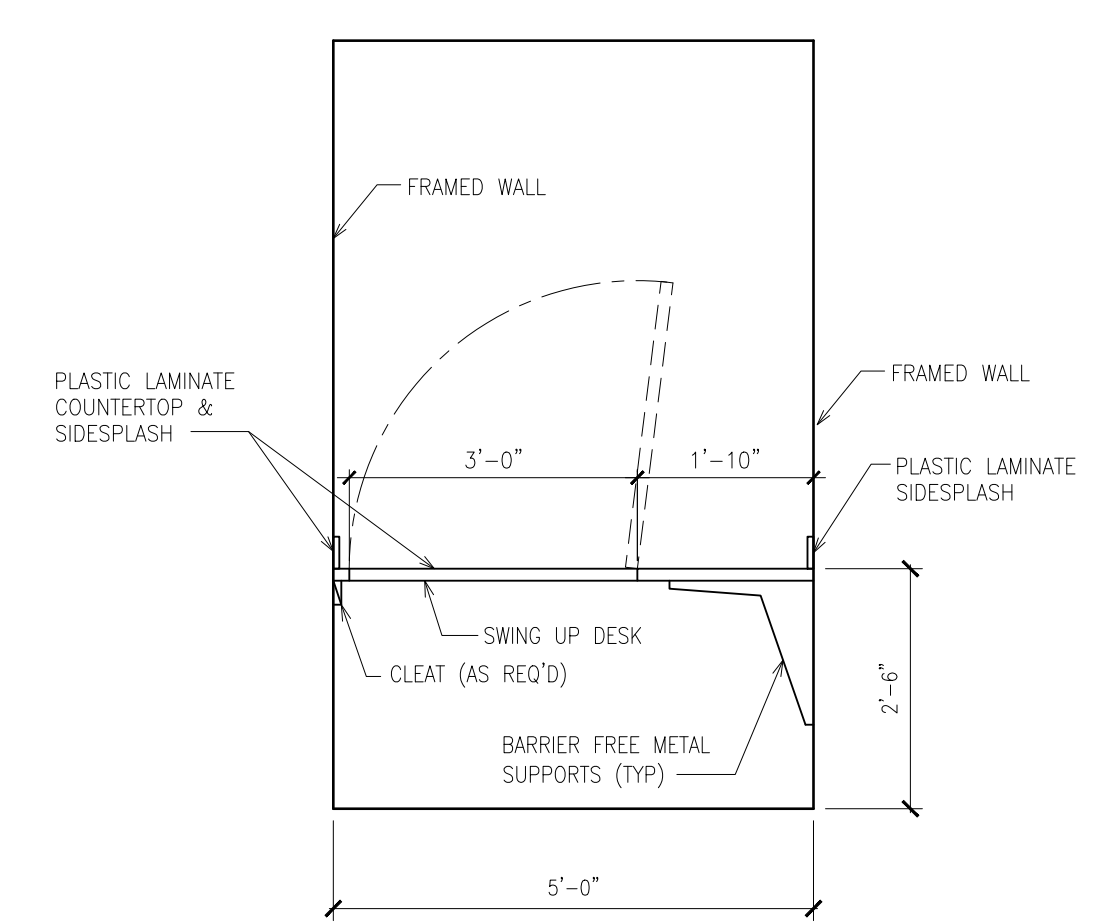
SECTION 4
SCALE: 1/2" = 1'-0"
Ax



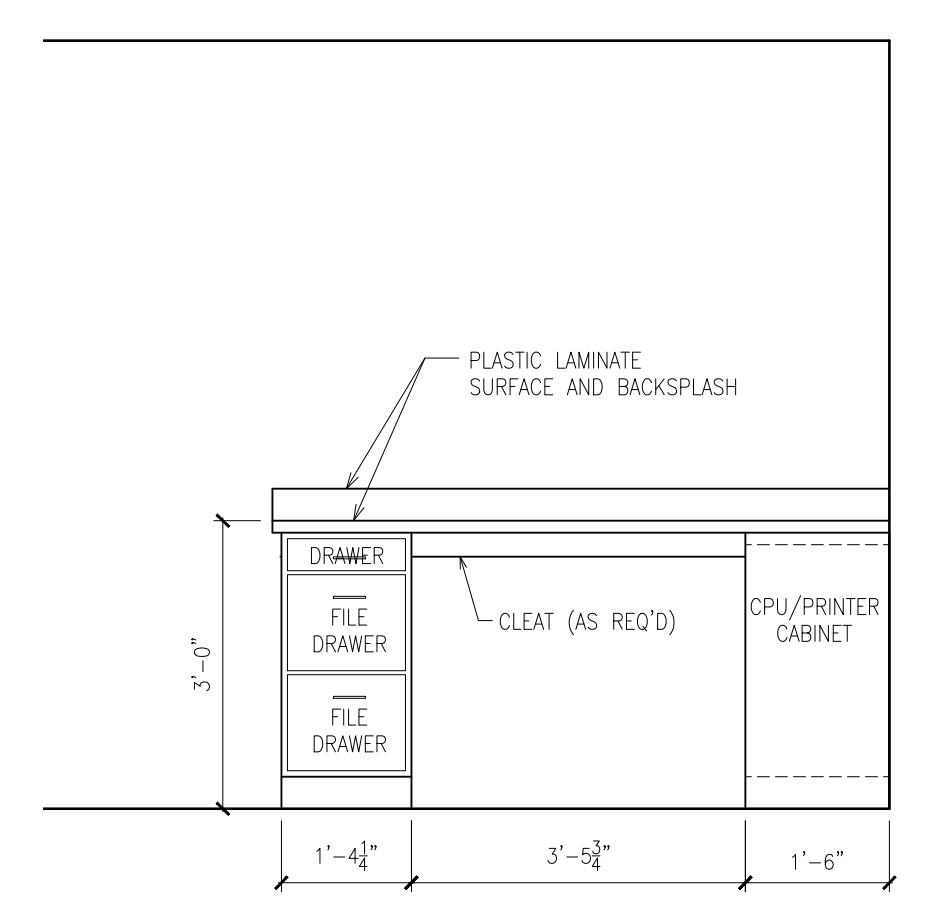
ELEVATION 3
SCALE: 1/2" = 1'-0"
3

MANUFACTURED CASEWORK NOTES

1. THE EXPOSED SURFACES OF THE MANUFACTURED CASEWORK WILL BE PLASTIC LAMINATE, COLOR TO BE SELECTED BY THE OWNER FROM THE MANUFACTURER'S STANDARD COLORS. THE INTERIOR OF THE CABINET AND THE DRAWER BOXES WILL BE WHITE MELAMINE FINISH.
2. EXPOSED SURFACES OF CABINETS ARE PLASTIC LAMINATE, TO BE SELECTED FROM STANDARD COLORS
3. NOMINAL DEPTH OF BASE CABINETS IS 24" AND OF UPPER CABINETS IS 12", UNLESS NOTED OTHERWISE.
4. BOTTOMS AND ENDS OF CABINETS, AND SHELVES: 3/4" PARTICLEBOARD, PLASTIC LAMINATE FACED ON EXPOSED AND SEMI-EXPOSED SURFACES.
5. BACKS OF CABINETS: 1/2" PARTICLEBOARD; PLASTIC LAMINATE FACED ON EXPOSED AND SEMI-EXPOSED SURFACES
6. DRAWER FRONTS: 3/4" PARTICLEBOARD, PLASTIC LAMINATE FACED ON BOTH SIDES
7. DRAWER SIDES AND BACKS: 1/2" PLASTIC LAMINATE FACED PARTICLEBOARD WITH DOVETAIL OR MULTIPLE-DOWEL JOINTS
8. DRAWER BOTTOMS: 1/2" PLASTIC LAMINATE FACED PARTICLEBOARD GLUED AND DADOED INTO FRONT, SIDES, AND BACK OF DRAWERS
9. FILLER STRIPS: PROVIDE AS NEEDED TO CLOSE SPACES BETWEEN CABINETS AND WALLS. FABRICATE THEM FROM THE SAME MATERIAL AND WITH THE SAME FINISH AS THE CABINETS.
10. ALL COUNTERTOP AND BACKSPLASH LAMINATE IS PLASTIC LAMINATE, TO BE SELECTED FROM STANDARD COLORS
11. COMPLY WITH NEMA LD 3 FOR PLASTIC LAMINATE
12. COMPLY WITH ASTM D 1037 FOR PLASTIC-LAMINATE SUBSTRATE
13. HARDWARE STYLE WILL BE WIRE PULLS
14. PROVIDE TWO PULLS FOR DRAWERS MORE THAN 24" WIDE
15. PROVIDE HEAVY DUTY, SELF-CLOSING DRAWER SLIDES, DESIGNED TO PREVENT REBOUND WHEN DRAWERS ARE CLOSED, WITH NYLON TIRE, BALL BEARING ROLLERS, AND RATED FOR AT LEAST 100 LBS



ELEVATION 7
SCALE: 1/2" = 1'-0"
7

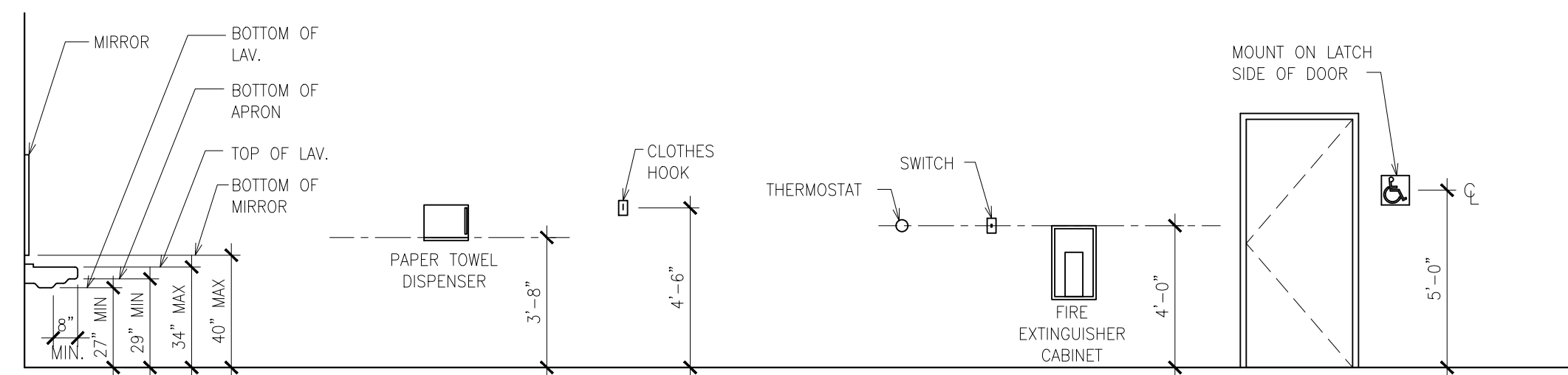


ELEVATION 6
SCALE: 1/2" = 1'-0"
6

ROOM FINISH SCHEDULE										
RM No.	ROOM NAME	FLOOR	BASE	WALLS				CEILING		REMARKS
				NORTH	EAST	SOUTH	WEST	MATL	HT.	
120	WAITING	CARP	V	EXIST	EXIST	EXIST	EXIST	EXIST	VARIES	
420	TOILET No.3	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	8'-0"	
430	DENTAL SUPPLIES	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	8'-0"	
440	OFFICE	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	8'-0"	
450	OFFICE	CARP	V	EGP/P	EGP/P	EGP/P	EGP/P	GYP/P	8'-0"	
460	DENTAL LAUNDRY	EXIST	EXIST	EXIST	EXIST	GYP/P	EXIST	EXIST	8'-0"	
470	DENTAL LOCKERS	VINYL	V	EGP/P	EGP/P	EGP/P	EGP/P	GYP/P	8'-0"	
490	DENTAL SUPPLIES	CARP	V	GYP/P	EGP/P	EGP/P	EGP/P	GYP/P	8'-0"	
500	PHARMACY CLOSET	CARP	V	EGP/P	GYP/P	EGP/P	GYP/P	GYP/P	8'-0"	
520	PHARMACY WAITING	CARP	V	EGP/P	GYP/P	EGP/P	EGP/P	GYP/P	8'-0"	
522	PHARMACY CONSULTATION	CARP	V	GYP/P	GYP/P	-	GYP/P	GYP/P	8'-0"	
940	HALLWAY No.7	CARP	V	EGP/P	EGP/P	EGP/P	EGP/P	EXIST	8'-0"	
1100	WEST STAFF ENTRANCE	MAT	V	GYP/P	GYP/P	GYP/P	GYP/P	GYP/P	8'-0"	
1110	PHARMACY	CARP	V	GYP/P	GYP/P	GYP/P	GYP/P	GYP/P	8'-0"	
1120	PHARMACY OFFICE	CARP	V	GYP/P	GYP/P	GYP/P	GYP/P	GYP/P	8'-0"	

ROOM FINISH NOTES

- KEY: EXIST = EXISTING; CARP = CARPET w/ PAD; MAT = FLUFF CORD CARPET TILE; V = 4" VINYL BASE; EGP/P = NEW PAINT ON EXISTING GYPSUM BOARD; GYP/P = GYPSUM BOARD AND PAINT; NONE = NO WORK REQUIRED; LVP = LUXURY VINYL PLANK.
- ALL INTERIOR AND EXTERIOR WALLS WILL RECEIVE 5/8" TYPE "X" FIRESHIELD GYPSUM BOARD. GYPSUM BOARD WILL BE FULL HEIGHT ON ALL WALLS. INSTALL PER THE MANUFACTURERS INSTRUCTIONS.
- ALL INTERIOR GYPSUM BOARD WILL BE TAPED AND FINISHED, READY FOR PAINT, EXCEPT FOR AREAS ABOVE SUSPENDED CEILING, WHICH CAN BE TAPED ONLY.
- ALL INTERIOR GYPSUM BOARD WILL BE PRIMED BY THE PAINTER, THEN SPOTTED AND CHECKED BY THE PAINTER, DRYWALLER, AND GENERAL CONTRACTOR BEFORE FINISH PAINT IS APPLIED.
- WINDOW JAMBS WILL BE GYPSUM BOARD.
- WINDOW SILLS WILL BE CORIAN, SELECTED FROM GROUP 1 COLORS.
- INTERIOR TRIM WILL RECEIVE THREE (3) COATS OF FINISH. FILL ALL NAIL HOLES WITH FILLER TO MATCH FINISH.
- ALL PAINTED GYPSUM BOARD/DRYWALL WILL RECEIVE ONE PRIME COAT AND TWO FINISH COATS.
- HOLLOW METAL FRAMES SHALL BE SHOP PRIMED.
- DOOR AND WINDOW FRAMES WILL RECEIVE THREE (3) COATS OF FINISH.
- DOORS WILL BE FACTORY FINISHED.
- INSTALL 3/8" SOUND INSULATION IN ALL WALLS PER THE PRINTS.
- THERE WILL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.
- WALLS WITHIN 24" OF SERVICE SINKS AND WATER CLOSETS SHALL HAVE SMOOTH, HARD, NON-ABSORBENT SURFACE, TO A HEIGHT OF NOT LESS THAN 48".
- CEILING HEIGHTS INDICATED ON THE ROOM FINISH SCHEDULE ARE FOR THE LOWEST MAJOR AREA OF CEILINGS IN THE ROOM. REFER TO PLANS, SECTIONS, AND DETAILS WHERE APPLICABLE FOR ADDITIONAL CEILING HEIGHTS WITHIN THE ROOM.
- WHEREVER A FLOOR, WALL, OR CEILING SURFACE OF A ROOM IS SCHEDULED TO BE FINISHED, ALL UNFINISHED ITEMS WITHIN THAT SURFACE (FRAMES, DOORS, TRIM, PANEL COVERS, ETC.) SHALL BE FINISHED, UNLESS INDICATED OTHERWISE. FINISH FOR SUCH ITEMS SHALL BE AS APPLICABLE TO SPECIFIC MATERIAL. DO NOT FINISH PRE-FINISHED ITEMS, UNLESS INDICATED OTHERWISE.
- TRANSITIONS BETWEEN ADJUTING DISSIMILAR MATERIALS SHALL BE SMOOTH AND LEVEL WITHOUT EXPOSED EDGES NOR ABRUPT CHANGES IN ELEVATION. PROVIDE AND INSTALL TRANSITION DEVICES OF AN APPROPRIATE MATERIAL AND PROFILE AS REQUIRED TO ACHIEVE THIS REQUIREMENT. WHEREVER POSSIBLE, LOCATE FLOORING MATERIAL TRANSITIONS BETWEEN ADJACENT ROOMS BENEATH THE DOORWAYS(S) IN ITS CLOSED POSITION, UNLESS INDICATED OTHERWISE.
- CEILING BULKHEADS: BOTH HORIZONTAL AND VERTICAL SURFACES SHALL BE FINISHED THE SAME UNLESS INDICATED OTHERWISE.
- ALL COLORS, PATTERNS, AND TEXTURES OF FINISHES SHALL BE AS SELECTED BY THE OWNER.
- FLOOR MATERIAL CHANGES SHALL OCCUR BENEATH DOORS/THRESHOLDS.
- WALL DESCRIPTIONS (INCLUDING WALLS, PARTITIONS, ASSEMBLIES, SEPARATIONS, ENCLOSURES, ETC.) ON THIS DRAWING GENERALLY DESCRIBE THE WALL CONDITIONS. REFER TO PLANS, SECTIONS, AND DETAILS WHERE APPLICABLE FOR WALL DESCRIPTIONS PERTAINING TO RATINGS, SOUND AND AIR CONTROL.
- PROVIDE FILLER STRIP(S) BETWEEN WALL AND CABINETRY AS REQUIRED. FILLER STRIPS SHALL MATCH CASEWORK IN ALL RESPECTS. SIZE OF FILLERS SHALL BE 2" MAX.
- ALL CARPET ON FLOORS WILL BE NOT LESS THAN CLASS II, PER THE MICHIGAN BUILDING CODE.
- OWNER TO VERIFY ALL ROOM FINISHES PRIOR TO THE START OF CONSTRUCTION.
- PORTABLE FIRE EXTINGUISHERS WILL BE AMEREX, MODEL B402T OR EQUAL, FIRE EXTINGUISHER CABINETS WILL BE LARSON MODEL 2409-R3-FG, ARCHITECTURAL SERIES, ROLLED EDGE, OR EQUAL.



MOUNTING HEIGHT SCHEDULE

THE INTENT OF THIS SCHEDULE IS TO ILLUSTRATE THE PROPER MOUNTING HEIGHTS ONLY. THE FIXTURES INDICATED WITHIN THIS SCHEDULE MAY VARY FROM THOSE SPECIFIED OR REQUIRED. REFER TO PLANS, MECHANICAL DRAWINGS, AND/OR PROJECT MANUAL FOR ADDITIONAL INFORMATION.

SCALE: NONE

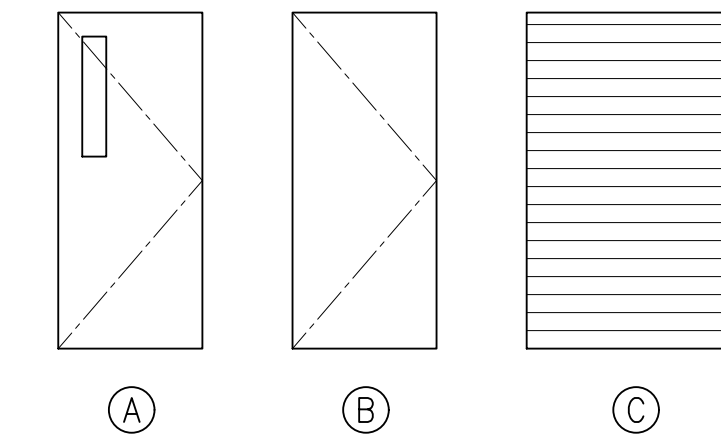
WINDOW SCHEDULE					
No.	QTY	MANUFACTURER & STYLE	ROUGH OPENING	HEAD HT	REMARKS
A	1	KAWNEER	8'-0"x1'-10"	EXIST	EXISTING
B	1	ANDERSEN A2281	5'-3 1/4"x2'-0 5/8"	MATCH	STATIONARY SASH
C	1	ANDERSEN A281	2'-8"x2'-0 5/8"	MATCH	STATIONARY SASH
D	1	QSP-713S MINI COMBO	32 5/8"x49 5/8"	F.V.	TRANSACTION WINDOW
E	2	ANDERSEN C24	4'-0 1/2"x4'-0 1/2"	EXIST	
F	1	RECEPTION WINDOW	4'-0"x4'-0"	7'-0"	GYP. BOARD JAMBS w/ RECESSED TRACK & GLASS

WINDOW NOTES

- ALL EXTERIOR WINDOWS WILL BE PER THE SCHEDULE, BE DOUBLE PANE INSULATED LOW E GLASS, AND STANDARD HARDWARE.
- ALL OPERABLE EXTERIOR WINDOWS WILL HAVE STANDARD COLOR FRAMED INSECT SCREENS.
- INTERIOR SILL FOR WILL BE CORIAN, SELECTED FROM GROUP 1 COLORS.
- WINDOW TREATMENTS WILL BE BY OWNER.
- VERIFY ALL WINDOWS WITH OWNER PRIOR TO THE START OF CONSTRUCTION.
- MATCH EXISTING WINDOW HEAD HEIGHT.
- WINDOW "D" MANUFACTURED BY QUIKSERV, MODEL QSP-713 MINI COMBO, CLEAR ANODIZED ALUMINUM FRAME, 1/2" ACRYLIC LI GLAZING, MANUAL TRANSACTION DRAWER, INTERCOM SYSTEM WITH WIRELESS HEADSET.

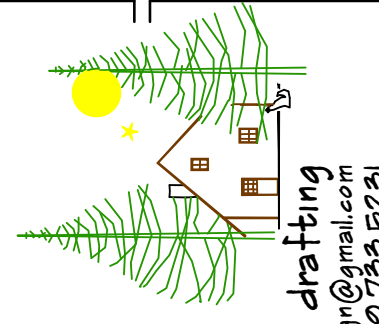
DOOR and FRAME SCHEDULE									
No.	SIZE	DOOR			FRAME		HARDWARE	REMARKS	
		MATL	TYPE	GLASS	MATL	WALL			
420	3'-0"x7'-0"	EXIST	--	--	EXIST	--	EXIST		
430	3'-0"x7'-0"	EXIST	--	--	EXIST	--	EXIST		
440	3'-0"x7'-0"	EXIST	--	--	EXIST	--	EXIST		
450	3'-0"x7'-0"	WOOD	A	NL	HM	4 7/8"	B, EL, DS		
460	3'-0"x7'-0"	EXIST	--	--	EXIST	--	EXIST		
470A	4'-0"x7'-0"	EXIST	--	--	EXIST	--	EXIST	OWNER WILL PROVIDE DOOR, FRAME, AND HARDWARE	
470B	3'-0"x7'-0"	EXIST	--	--	EXIST	--	EXIST		
470C	3'-0"x7'-0"	EXIST	--	--	EXIST	--	EXIST		
470D	3'-0"x7'-0"	EXIST	--	--	EXIST	--	EXIST		
490	3'-0"x7'-0"	EXIST	--	--	EXIST	--	EXIST		
500	3'-0"x7'-0"	WOOD	B	NONE	HM	4 7/8"	B, EL, C		
520	3'-0"x7'-0"	EXIST	--	--	EXIST	--	B, EL, ES, C		
522	3'-0"x7'-0"	HM	B	NONE	HM	4 7/8"	B, EL, ES, C	INSTALL PEEPHOLE	
1100	3'-0"x7'-0"	STL	A	NL	HM	6 5/8"	B, ES, C, W, PA,	45 MINUTE RATED DOOR	
1100A	3'-0"x7'-0"	STL	B	NONE	HM	6 5/8"	B, C, W, EX, EA	45 MINUTE RATED DOOR	
1110B	3'-0"x7'-0"	STL	B	NONE	HM	4 7/8"	B, EL, C, KP	INSTALL PEEPHOLE	
1110C	3'-6"x8'-0"	STL	C	NONE	STL	6"	STD	90 MINUTE RATED ROLLING DOOR	
1120	3'-0"x7'-0"	WOOD	A	NL	HM	5 7/8"	B, EL, DS		
A01	3'-0"x3'-0"	STL	--	NONE	STL	--	STD	ATTIC ACCESS	
A02	1'-10"x30"	STL	--	NONE	STL	--	STD	2-HR RATED INSULATED ATTIC ACCESS	
A03	1'-10"x30"	STL	--	NONE	STL	--	STD	FIELD LOCATE	
A04	1'-10"x30"	STL	--	NONE	STL	--	STD	FIELD LOCATE	

DOOR TYPES



DOOR NOTES

- HARDWARE KEY:** EXIST = EXISTING HARDWARE; B = 1 1/2" PAIR BALL BEARING BUTTS; C = HYDRAULIC DOOR CLOSER WITH KEY VALVES FOR BACK CHECK, SPEED, AND LATCHING; DS = WALL-MOUNT OR FLOOR-MOUNT DOOR STOP; LC = LOCK CYLINDER; EL = ENTRY LEVER LOCKSET; PL = PASSAGE LEVER LOCKSET; PV = PRIVACY LEVER LOCKSET; W = WEATHERSTRIP, BARRIER FREE THRESHOLD AND SWEEP; ES = ELECTRIC STRIKE; PA = POWER ASSISTED OPERATOR; EX = EXIT LEVER SET w/ BLANK EXTERIOR; EA = EXIT ALARM.
- VERIFY FLOOR FINISH BEFORE INSTALLATION OF DOOR FRAMES.
- VERIFY ALL DOOR HARDWARE WITH OWNER.
- ALL DOORS AND FRAMES THAT RECEIVE DOOR CLOSERS SHALL BE REINFORCED WHERE ATTACHMENT IS MADE.
- PROVIDE CAULK AT INTERIOR LOCATIONS AND SEALANT AT EXTERIOR LOCATIONS BETWEEN ALL FRAMES AND ADJACENT MATERIALS.
- HOLLOW METAL FRAMES TYPICAL SHOWN FOR DETAILING PURPOSES, ALUMINUM AS OCCURS. HOLLOW METAL SUPPLIER TO VERIFY WALL THICKNESS AND THROAT SIZE BEFORE ORDERING.
- ALL INTERIOR WOOD DOORS SHALL BE PREFINISHED 1 1/2" THICK SOLID CORE WITH VENEER AND EDGE BANDING TO MATCH EXISTING DOORS.



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CONTRACT NO. 2023-001-001
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ROOM FINISH, WINDOW, AND DOOR SCHEDULES

THUNDER BAY
COMMUNITY HEALTH SERVICE, INC.
2023 ATLANTA PHARMACY ADDITION

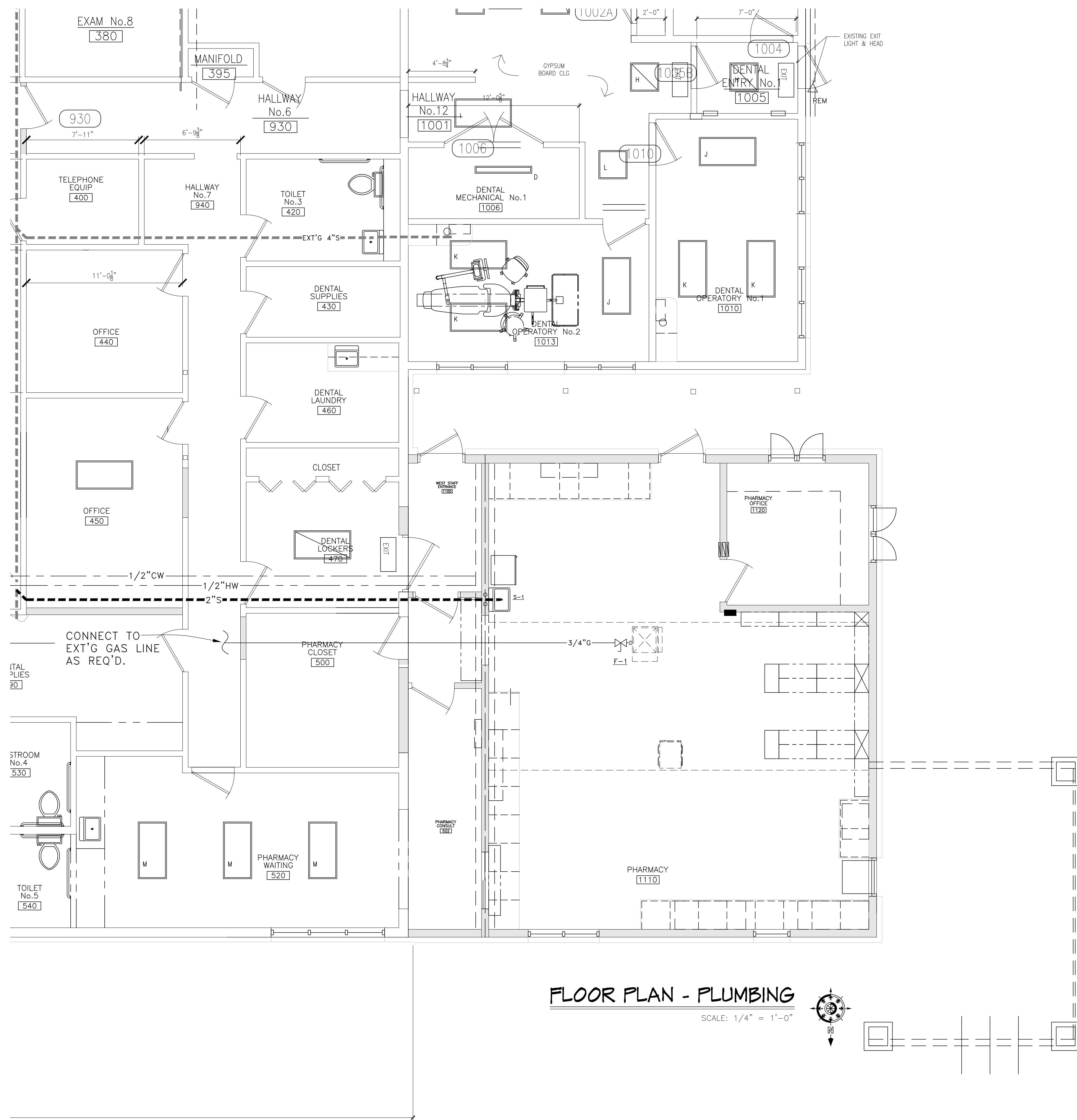
ISSUED
BD SET APR 27, 2023

ENGINEER

JOB NUMBER
221106

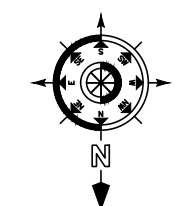
SHEET NO.

A6



FLOOR PLAN - PLUMBING

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



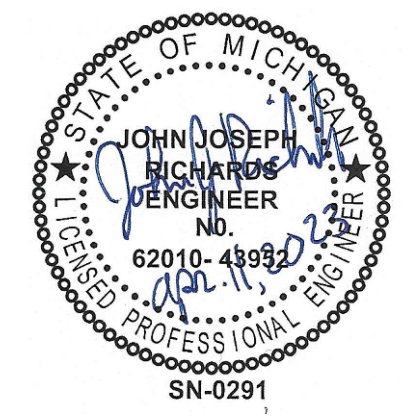
PLUMBING FIXTURE SCHEDULE							
MARK	FIXTURE	MANU.	MODEL	SAN.	HOT	COLD	REMARKS
S-1	SINK	ELKAY	BLR-150C	1 1/2"	1/2"	1/2"	COMBINATION INCLUDES FAUCET

NOTES:

- SEE ARCHITECTURAL DRAWINGS FOR ALL ROUGH-IN LOCATIONS OF PLUMBING FIXTURES.
- VERIFY COLOR WITH ARCHITECT BEFORE ORDERING.
- INSULATE ALL EXPOSED SANITARY AND DOMESTIC HOT AND COLD WATER PIPING TO LAVATORIES.
- PROVIDE A POWERS 480 MIXING VALVE AT EACH LAV.

PLUMBING LEGEND		
---	S	SANITARY SEWER
---	FS	FORCED SANITARY
---	V	SANITARY VENT
---	CW	COLD WATER LINE
---	HW	HOT WATER LINE
---	HWR	HOT WATER RETURN
---	G	GAS LINE
---	BV	BALL VALVE

- PLUMBING NOTES**
- ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES AND REGULATIONS.
 - EACH CONTRACTOR SHALL BE THOROUGHLY KNOWLEDGEABLE OF REGULATIONS GOVERNING HIS PRODUCT AND SERVICE AND SHALL ASSUME RESPONSIBILITY OF INSTALLATION IN ACCORDANCE WITH
 - CONTRACTORS TO VERIFY ALL DIMENSIONS RELATIVE TO THEIR SPECIFIC WORK AND SHALL BE THOROUGHLY FAMILIAR WITH EXISTING CONDITIONS PRIOR TO INITIATING THEIR WORK. DISCREPANCIES SHALL BE REPORTED TO THE GENERAL CONTRACTOR OR TO HIS ON-
 - FAILURE TO DETECT INTERIOR WORK, OR WORK NOT IN ACCORDANCE WITH THESE CONSTRUCTION DOCUMENTS, SHALL NOT BE CONSTRUED AS
 - ANY PENETRATIONS THROUGH FIRE-RATED ASSEMBLIES FOR MECHANICAL OR PLUMBING SYSTEMS, ETC. SHALL BE FIRE-STOPPED AND DRAFT-STOPPED WITH NON-COMBUSTIBLE MATERIALS PER CODE REQUIREMENTS TO MAINTAIN STRUCTURAL AND FIRE RESISTIVE
 - DRAWINGS ARE DIAGRAMMATIC ONLY. FIELD VERIFY EXISTING CONDITIONS.
 - PRIOR TO SUBMITTING A PROPOSAL, BIDDER SHALL HAVE VISITED THE CONSTRUCTION SITE. HE SHALL BE FAMILIAR WITH THE EXISTING CONDITIONS UNDER WHICH HE WILL HAVE TO OPERATE AND WHICH WILL IN ANY WAY AFFECT THE WORK UNDER THIS CONTRACT. NO SUBSEQUENT ALLOWANCE WILL BE MADE IN THIS CONNECTION ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OF NEGLIGENCE ON HIS PART.
 - PLUMBING CONTRACTOR SHALL OBTAIN ALL PERMITS, PAY ALL FEES, INCLUDING COSTS ASSESSED BY THE MECHANICAL UTILITY COMPANIES. OF PLUMBING WORK, THE PLUMBING CONTRACTOR SHALL FURNISH THE OWNER WITH ALL CERTIFICATES OF FINAL INSPECTION AND APPROVALS.
 - PLUMBING CONTRACTOR SHALL GUARANTEE ALL WORK INSTALLED UNDER HIS CONTRACT TO BE FREE FROM DEFECTIVE WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE YEAR AFTER THE ACCEPTANCE OF THE BUILDING BY THE OWNER. SHOULD DEFECTS OCCUR WITHIN THIS PERIOD, REPAIR AND/OR REPLACE DEFECTIVE ITEMS AT NO EXPENSE TO THE OWNER.
 - PLUMBING CONTRACTOR SHALL COORDINATE LOCATIONS OF HIS EQUIPMENT AND WORK WITH OTHER BUILDING TRADES TO AVOID ANY INTERFERENCES BETWEEN HIS WORK AND OTHER BUILDING TRADES. IF ANY DISCREPANCIES OCCUR, CONSULT WITH THE GENERAL CONTRACTOR OR HIS ON-SITE REPRESENTATIVE.
 - THE CONTRACTOR SHALL BE HELD FULLY RESPONSIBLE FOR THE PROPER RESTORATION OF ALL EXISTING SURFACES REQUIRING PATCHING, PLASTERING, PAINTING AND/OR OTHER REPAIR DUE TO THE INSTALLATION OF MECHANICAL WORK UNDER THE TERMS OF THIS SPECIFICATION. CLOSE ALL OPENINGS, REPAIR ALL SURFACES, ETC. AS REQUIRED.
 - THE CONTRACTOR SHALL EMPLOY QUALIFIED AND EXPERIENCED WORKMEN FOR THIS WORK.
 - THE PLUMBING CONTRACTOR SHALL PERIODICALLY REMOVE FROM THE SITE ALL DEBRIS AND RUBBISH ACCUMULATING AS A RESULT OF THE MECHANICAL INSTALLATION. UPON COMPLETION OF THE PROJECT, HE SHALL DISPOSE OF ALL DEBRIS AND RUBBISH AND SHALL LEAVE ALL AREAS CLEAN.
- PLUMBING CONSTRUCTION NOTES**
- GENERAL**
- REFERENCE ARCHITECTURAL DRAWINGS FOR ALL ROUGH-IN DIMENSIONS, BOTH FIXTURES AND WALLS.
 - ALL VALVES SHALL BE ACCESSIBLE.
 - WATER HAMMER ARRESTORS SHALL BE INSTALLED AND SHALL BE ACCESSIBLE.
 - PLUMBING CONTRACTOR TO EXTEND WATER AND SANITARY LINES AND MAKE UTILITY CONNECTIONS.
 - RUN PEX UNDERSLAB TO ALL FIXTURES AND HOSE BIBS, CONNECT PEX TO COPPER TO CONNECT TO EACH FIXTURE.
- SPECIFICATIONS**
- PLUMBING DESIGN PER MOST RECENT MICHIGAN PLUMBING CODES.



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APOLLO ENGINEERING

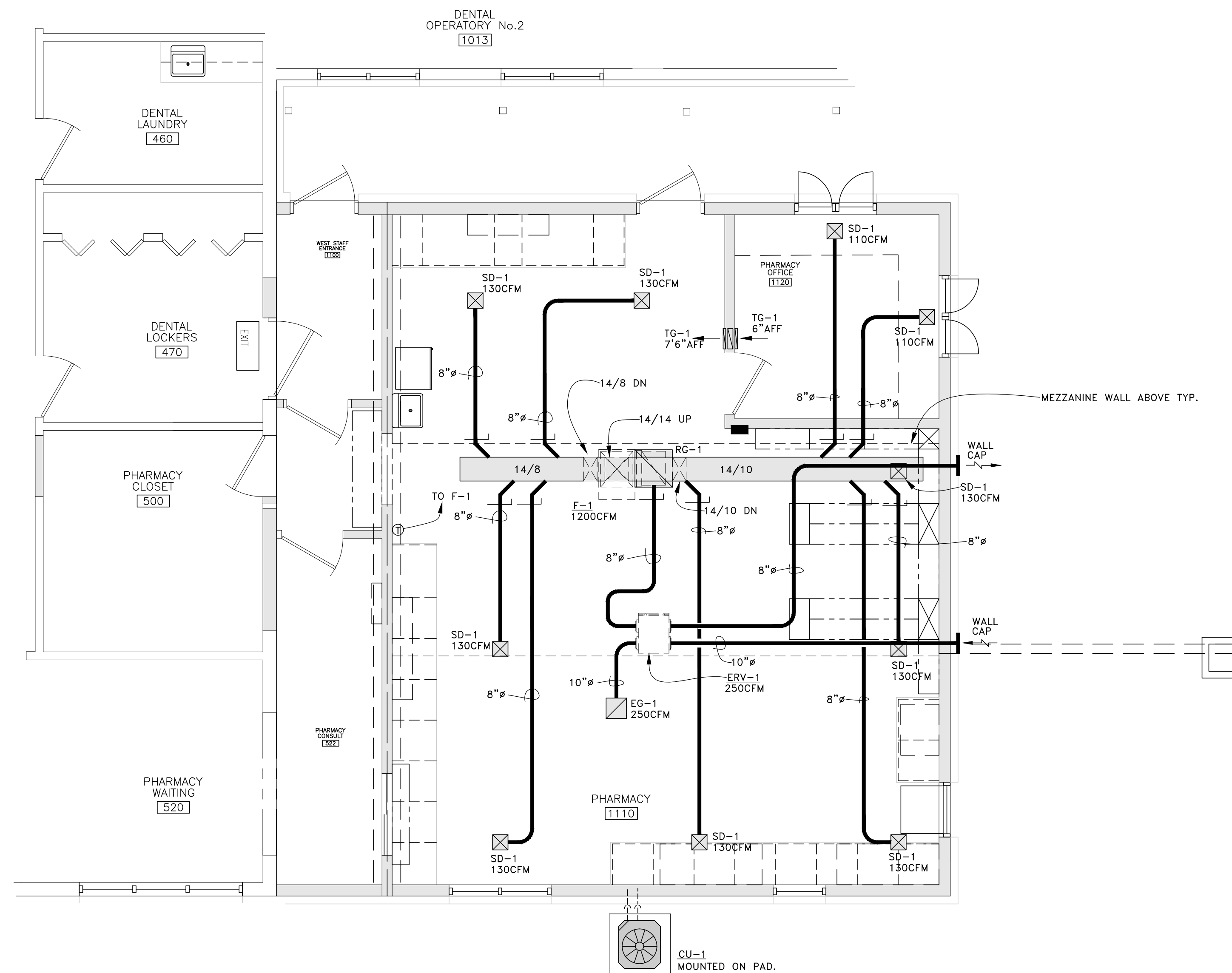
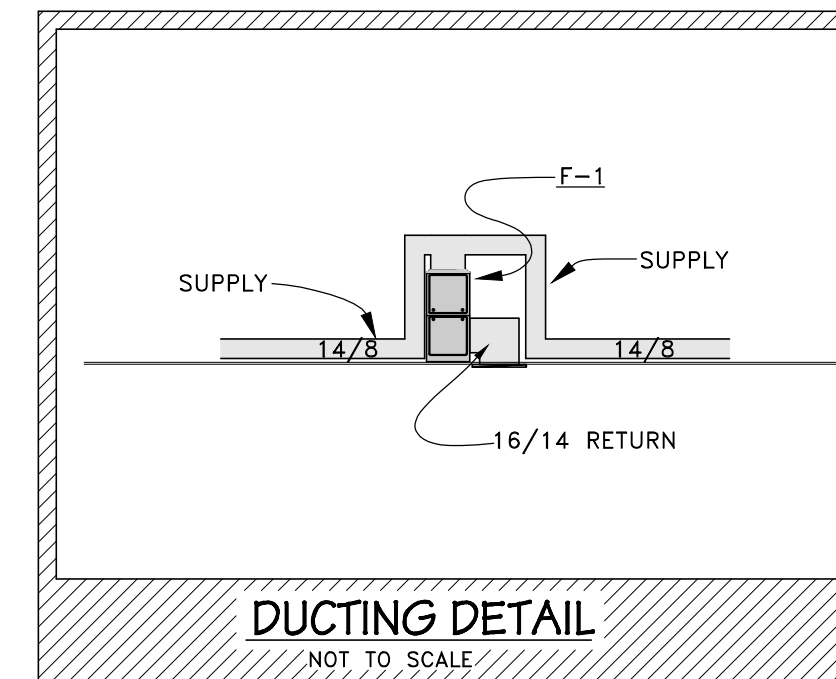
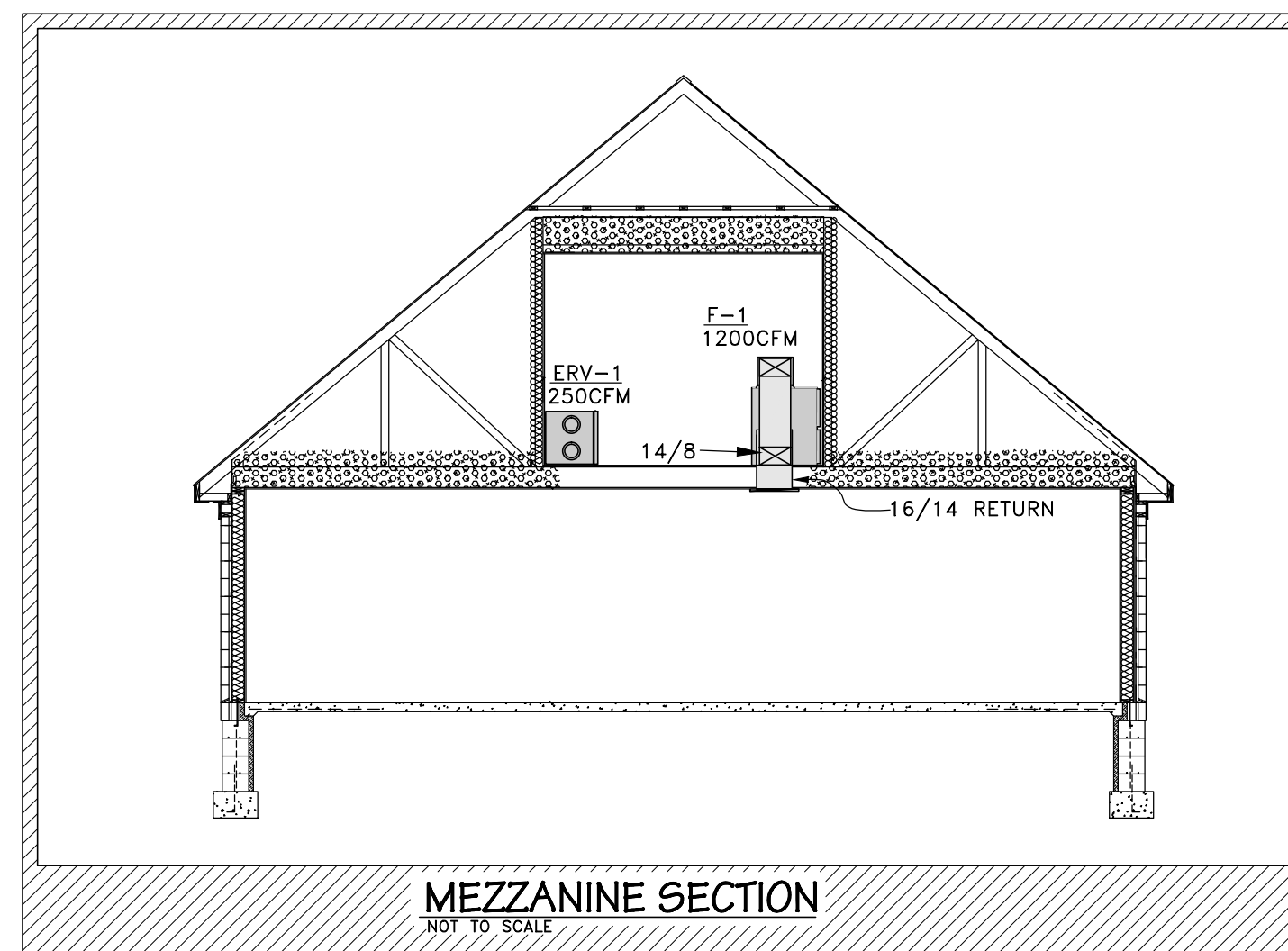


BRUCE DIETZ
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FLOOR PLAN - PLUMBING

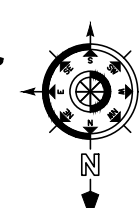
THUNDER BAY
 COMMUNITY HEALTH SERVICE, INC.
 2023 ATLANTA ADDITION

ISSUED: APR. 1, 2023
 SHEET NO. 221106
 P1



FLOOR PLAN-MECHANICAL

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



- MECHANICAL GENERAL NOTES**
- ALL WORK SHALL BE INSTALLED PER LOCAL, STATE, & FEDERAL CODES, RULES, ORDINANCES, AND REGULATIONS.
 - REFER TO WRITTEN SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 - ALL DUCT AND EQUIPMENT ELEVATIONS NOTED ON PLANS MEASURED FROM F.F. TO BOTTOM OF DUCT/EQUIPMENT UNLESS OTHERWISE NOTED.
 - ALL DUCTWORK SHALL BE INSULATED ACCORDING TO WRITTEN SPECIFICATIONS UNLESS OTHERWISE NOTED. ALL CONCEALED SUPPLY DUCTWORK SHALL HAVE BLANKET DUCT WRAP INSULATION. ALL EXPOSED SUPPLY DUCTWORK IN CONDITIONED SPACES AND ALL EXHAUST DUCTWORK DO NOT REQUIRE INSULATION. ALL RECTANGULAR RETURN DUCTWORK SHALL HAVE 1" INTERNAL ACOUSTICAL LINER INSULATION AS SPECIFIED ON PLANS.
 - ALL DUCTWORK BEHIND GRILLES AND DIFFUSERS CONNECTIONS SHALL BE PAINTED FLAT BLACK. PAINT INSIDE OF DUCT CONNECTIONS 2'-0" UP STREAM OF FIRST 90 DEGREE ELBOW.
 - ALL WORK SHOWN ON THIS PLAN TO BE COORDINATED WITH ALL OTHER TRADES PRIOR TO FABRICATION AND INSTALLATION.
 - FIELD VERIFY THERMOSTAT AND SENSOR LOCATIONS WITH OWNER. INSTALL SENSORS AT A HEIGHT OF 4'0" A.F.F.. COORDINATE MECHANICAL SENSOR LOCATIONS WITH OTHER TRADES.
 - ALL DUCT DIMENSIONS ARE INSIDE DIMENSIONS.
 - INSTALLING CONTRACTOR SHALL USE EXTREME CAUTION TO COORDINATE THE EXACT ROUTING AND ELEVATION OF DUCTING SYSTEMS. THIS CONTRACTOR SHALL INSTALL DUCTING SO AS TO NOT INTERFERE WITH THE REMOVAL AND/OR SERVICING OF SYSTEMS.
 - ALL SUPPLY, RETURN AND EXHAUST BRANCH DUCTS SHALL HAVE A BALANCING DAMPER NEAR MAIN.
 - ALL SUPPLY, RETURN AND EXHAUST DUCT ELBOWS SHALL BE SMOOTH RADIUS ELBOWS WITH THE INSIDE RADIUS SAME AS WIDTH OF DUCT UNLESS OTHERWISE NOTED OR APPROVED BY THE ENGINEER. ALL 90° MITERED ELBOWS SHALL HAVE TURNING VANES.
 - EXHAUST TERMINATIONS, PLUMBING VENTS, ETC. TO BE A MINIMUM OF 3FT. VERTICAL CLEARANCE ABOVE OR MINIMUM OF 10FT. HORIZONTAL CLEARANCE FROM FENESTRATION OR EQUIPMENT OUTDOOR AIR INTAKES.
 - ALL SERVICEABLE MECHANICAL EQUIPMENT INSTALLED ON ROOF SHALL BE INSTALLED A MINIMUM OF 10FT FROM ROOF EDGE OR HAVE GUARD RAIL AS REQUIRED BY CODE. MAINTAIN MANUFACTURER RECOMMENDED CLEARANCES.
 - ALL ROOF PENETRATIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE ROOF WARRANTY.
 - ALL MECHANICAL DUCTS AND PIPING PENETRATING RATED ASSEMBLIES SHALL BE SEALED AND FIRE-STOPPED TO COMPLY WITH LOCAL REGULATIONS.
 - ALL EXPOSED HVAC INSTALLED AS HIGH AS POSSIBLE UNLESS OTHERWISE NOTED. FIELD COORDINATE EXACT HVAC ROUTING WITH STRUCTURAL ELEMENTS, EXISTING SYSTEMS, AND OTHER TRADES.

DUCT STD. TAKEOFF SIZING CHART

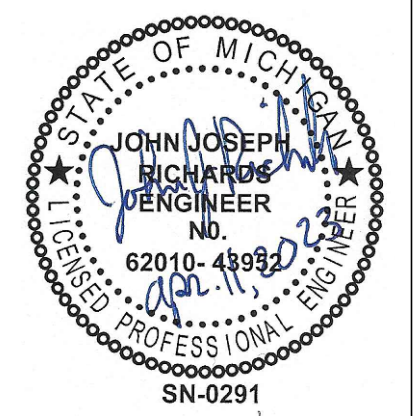
DUCT SIZE	SUPPLY AIR CFM	RETURN AIR CFM	SUPPLY AIR VAV CFM
4"	20-40	20-35	20-120
6"	40-120	35-100	125-250
8"	125-240	105-200	260-480
10"	250-430	210-380	490-750
12"	440-700	390-600	760-1000
14"	710-1000	610-850	1010-1500

NOTES:

- FLOWS ARE SIZED USING 0.1"WC/100' FOR S.A.
- FLOWS ARE SIZED USING 0.07"WC/100' FOR R.A.
- TAKE OFFS TO HAVE PROPER RELIEF FOR PROPER FLOW. AS PER SMACNA STANDARDS.
- VAV TAKE OFFS SIZED AT NOMINAL 1300FPM.
- IF SIZING NOT GIVEN ON PLAN USE CHART.

MECHANICAL LEGEND

F	FURNACE	⊕	TEMPERATURE THERMOSTAT INFINITY
CU	CONDENSING UNIT	⊕	BALANCE DAMPER W/LOCKING QUADRANT
ERV	ENERGY RECOVERY VENTILATOR	M	MOTORIZED DAMPER
S.A.	SUPPLY AIR	AC	HP TERMINAL UNIT
R.A.	RETURN AIR		
O.A.	OUTDOOR AIR		
E.A.	EXHAUST AIR		



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FURNACE SCHEDULE

MARK	MANU.	MODEL No.	TYPE	HTG.MBH INPUT	HTG.MBH OUTPUT	NOMINAL CLG.MBH	CFM	MIN. O.A.CFM	ESP	VOLTAGE	H.P.	MIN. CIR. AMPACITY	MAX. FUSE SIZE	REMARKS
F-1	CARRIER	59MN7A080V17-14	UP FLOW	80.0	78.0	36	1375	325	0.5	120v/1Ø	1/2	12.0	15	SEE NOTES

- NOTES:
1. BASED ON CARRIER.
 2. UNIT TO DELIVER NOT LESS THAN 15% CFM LESS THEN STATED VALUES.
 3. VERIFY RA CONNECTIONS TO FURNACE IN AGREEMENT WITH MANUFACTURES RECOMMENDATION.
 4. UNIT MANUF. TO INCLUDE CONCENTRIC VENT TERMINATION.
 5. SYSTEM CONTROLS TO BE INFINITY.
 6. UNIT TO HAVE CONDENSATE TAKEN TO DRAIN. IF REQUIRED SUPPLY LITTLE GIANT CONDENSATE PUMP.
 7. UNIT TO HAVE AIR CLEANER/FILTER ACCESSORY.

CONDENSING UNIT SCHEDULE

MARK	UNIT SERVED	MODEL No.	NOMINAL CLG. CAP.	ELECTRICAL			WEIGHT	REMARKS
				OPERATING	MCA	BRKR		
CU-1	F-1	24ANB136A0031	3 TONS	208V, 1Ø	21.8A	35	274	SEE NOTES

- NOTES:
1. BASED ON CARRIER.
 2. UNIT TO BE HAVE 2-STAGED SCROLL COMPRESSOR.
 3. M.C. TO MOUNT UNIT ON GROUND BASE.
 4. UNIT TO HAVE PURON R-410R REFRIGERANT.
 5. UNIT TO HAVE INFINITY CONTROL.

ENERGY RECOVERY UNIT SCHEDULE

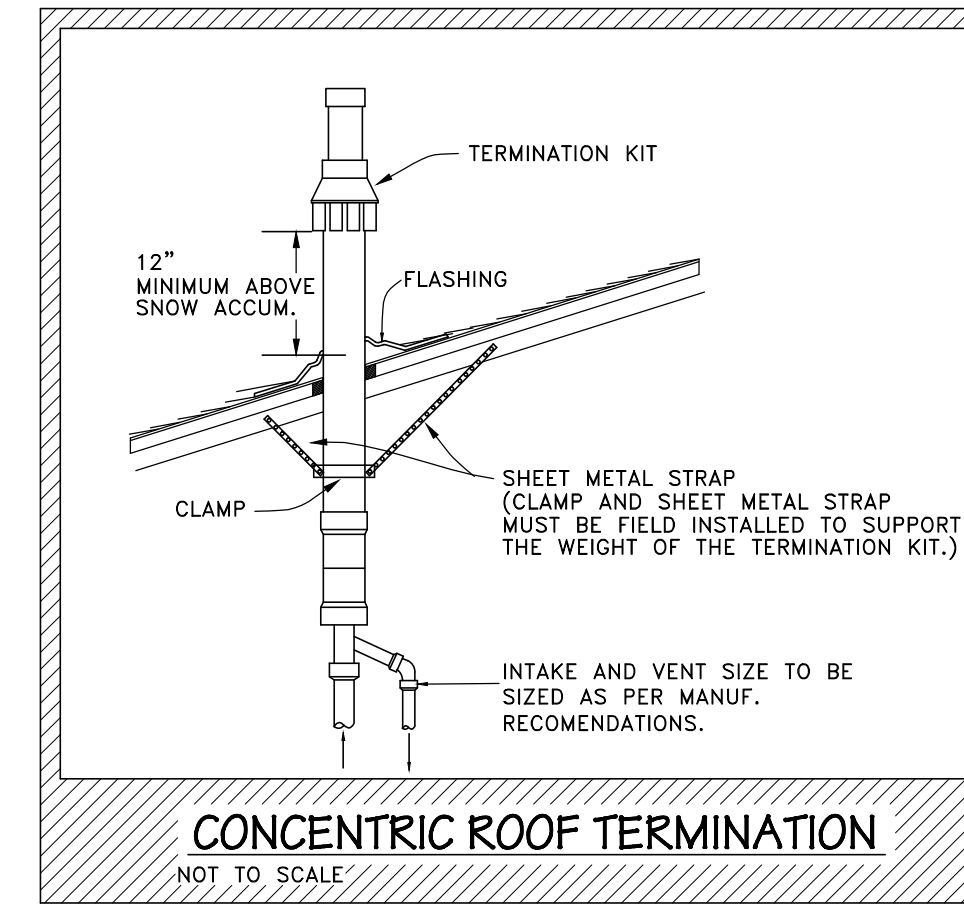
MARK	MODEL No.	EA CFM	OA CFM	ESP	POWER	MCA	OCPD	REMARKS
ERV-1	EV PREMIUM L	250	250	0.5	120V-1Ø	10	10A	SEE NOTES

- NOTES:
1. BASED ON RENAIRE ERV-1 W/ ECM MOTORS
 2. UNIT IS TO RUN AS PER DIGITAL TIME CLOCK.
 3. VENT AS PER MANUFACTURER RECOMMENDATIONS.
 4. PROVIDE WALL TERMINATIONS.

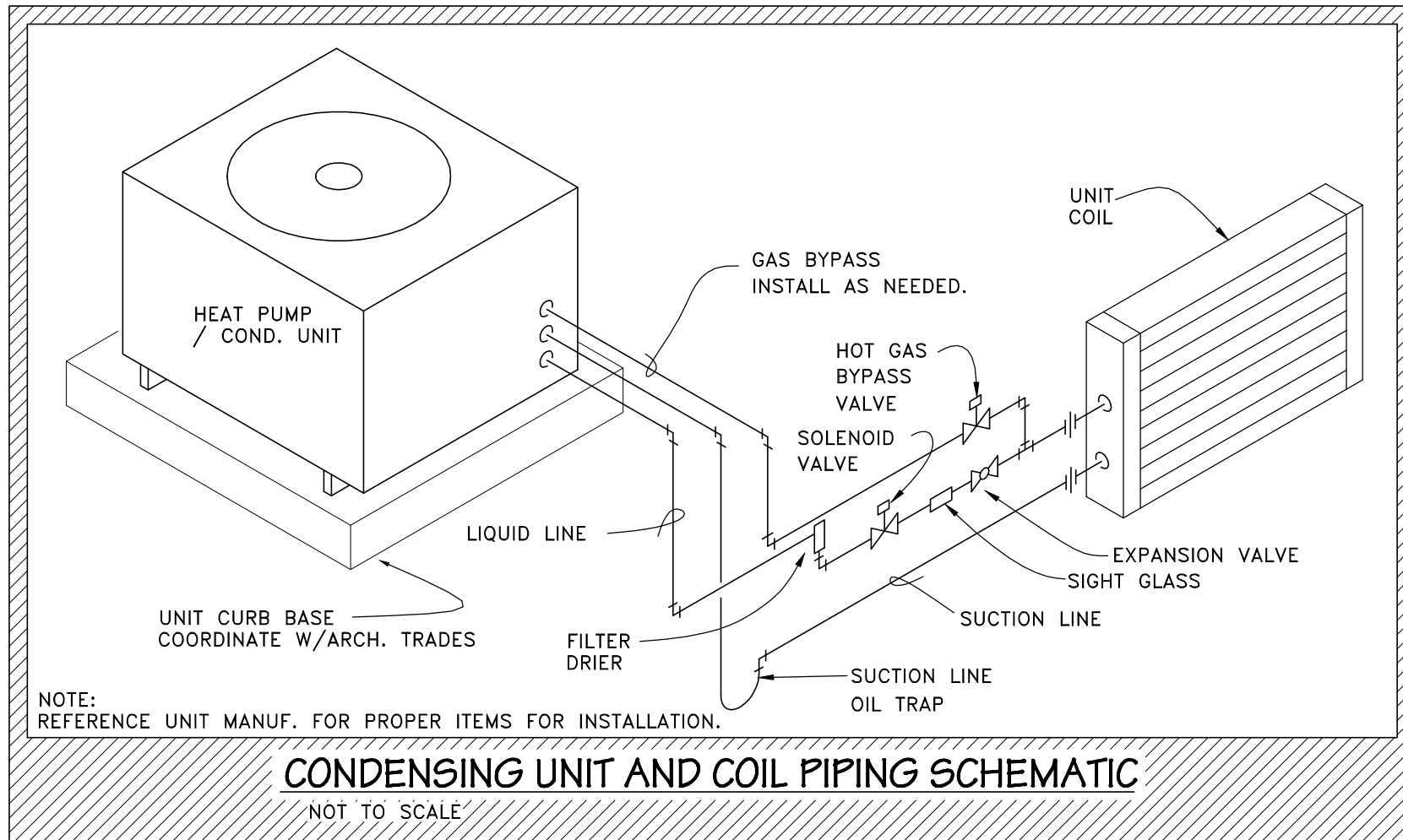
DIFFUSER / GRILLE SCHEDULE

MARK	MODEL No.	CFM	SIZE	BALANCING DAMPER	COLOR	REMARKS
SD-1	TDC	70-200	12"x12", 8"NK	NO	WHITE	BORDER TYPE 1, SEE NOTE #4
EG-1	50F	50-400	12"x12"	YES	WHITE	BORDER TYPE 1
RG-1	50F	700-1600	22"x22"	NO	WHITE	BORDER TYPE 1
TG-1	355FL	200	14"x4"	NO	WHITE	BORDER TYPE 1,

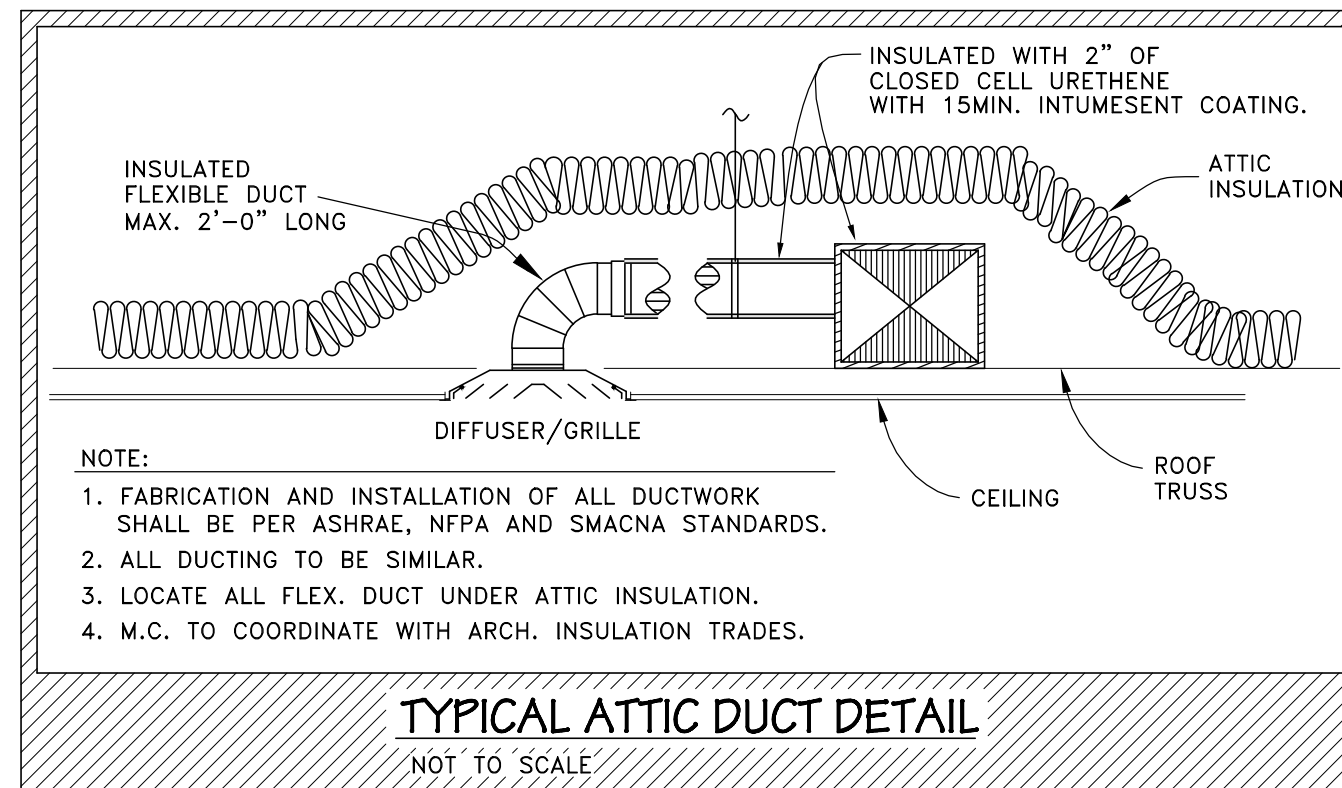
- NOTES:
1. BASED ON TITUS. (PRICE OR KRUGER MAY BE BID EQUALS.)
 2. REVIEW COLOR W/ARCHITECT BEFORE ORDERING.
 3. ALL SUPPLY REGISTERS ON SPIRAL DUCTWORK TO HAVE AIR SCOOP AND TO BE PAINTED TO MATCH DUCTING.
 4. ALL SUPPLY AIR DIFFUSERS SHALL HAVE A 4-WAY AIR PATTERN UNLESS OTHERWISE INDICATED (SEE PLANS).
 5. PROVIDE ALL DUCT COLLARS, TRANSITIONS, CONNECTIONS AND SUPPORTS.
 6. PAINT INSIDE OF DUCT BEHIND REGISTERS AND GRILLES FLAT BLACK.



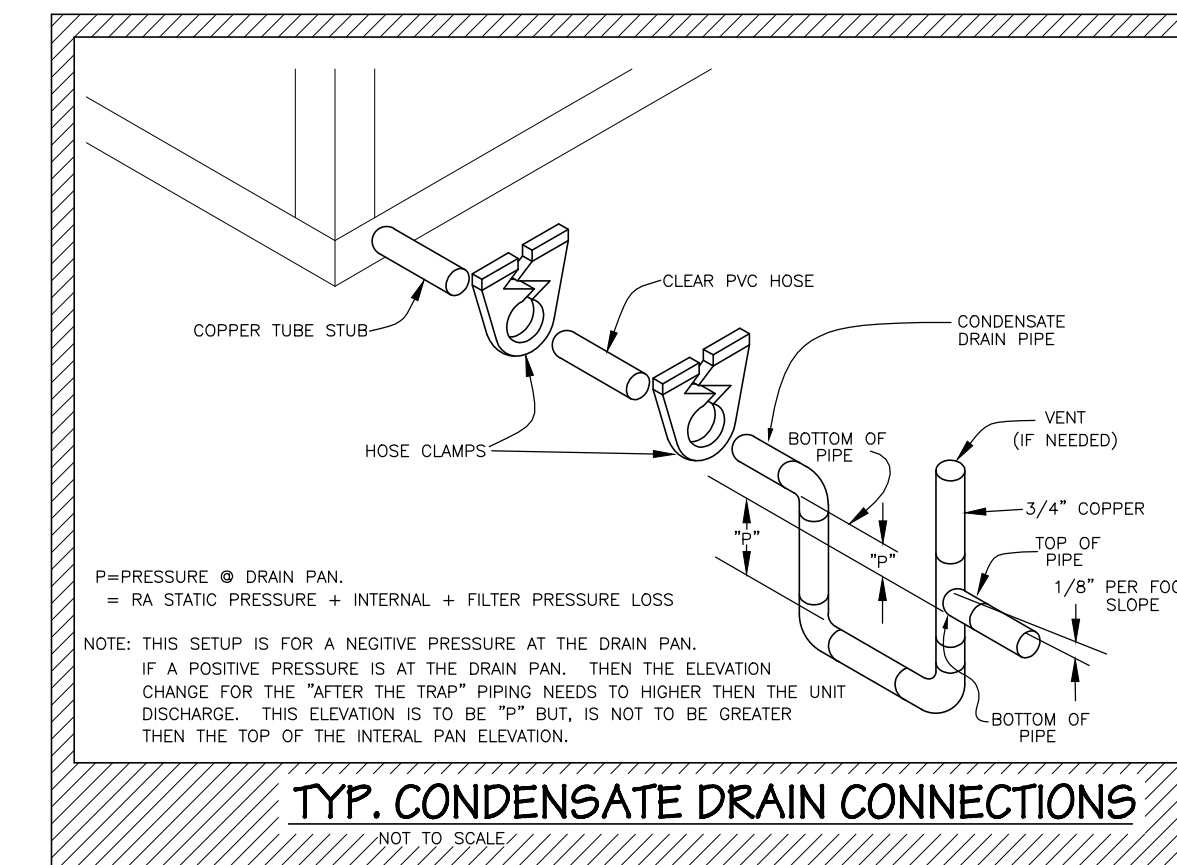
CONCENTRIC ROOF TERMINATION
NOT TO SCALE



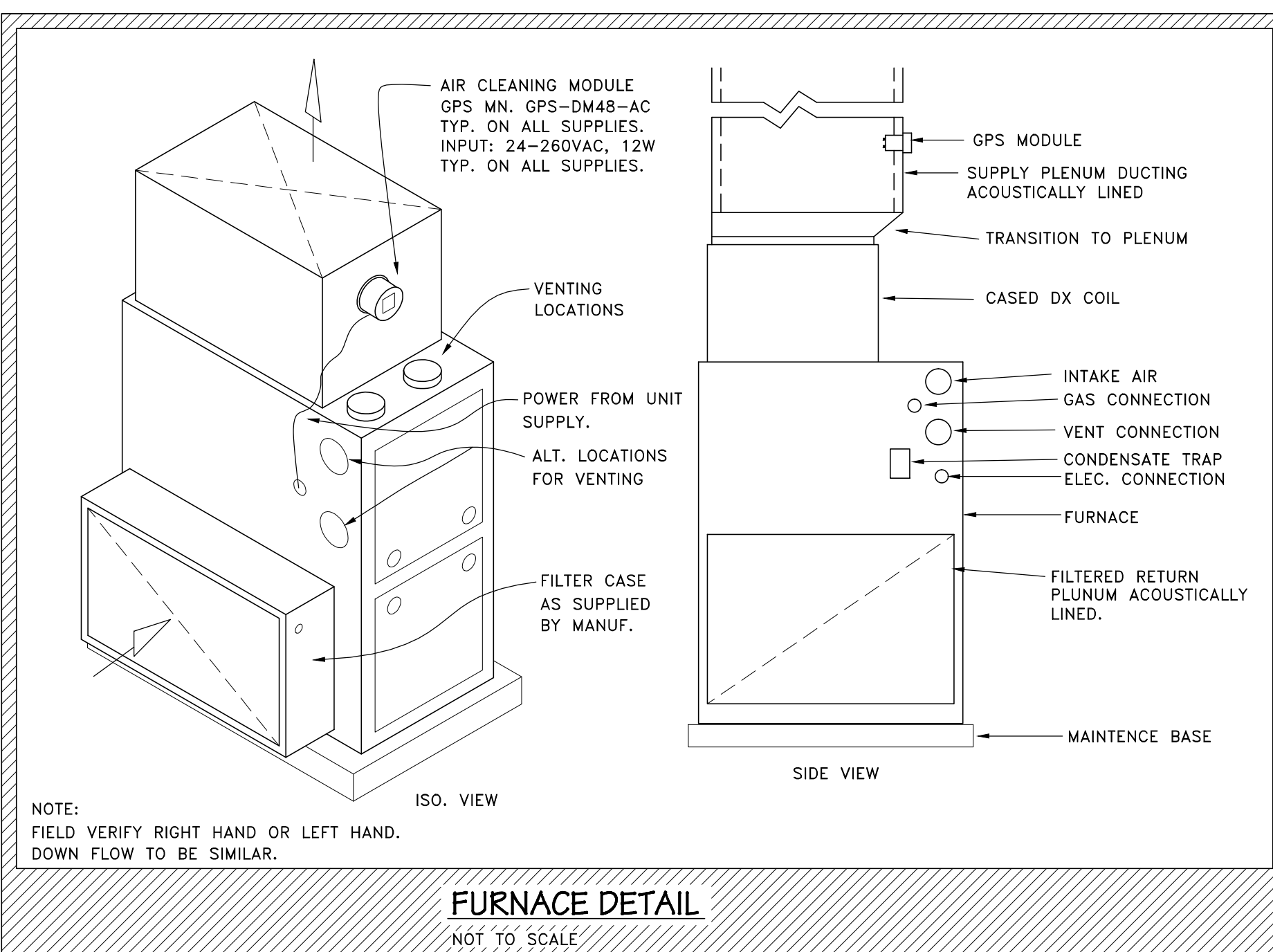
CONDENSING UNIT AND COIL PIPING SCHEMATIC
NOT TO SCALE



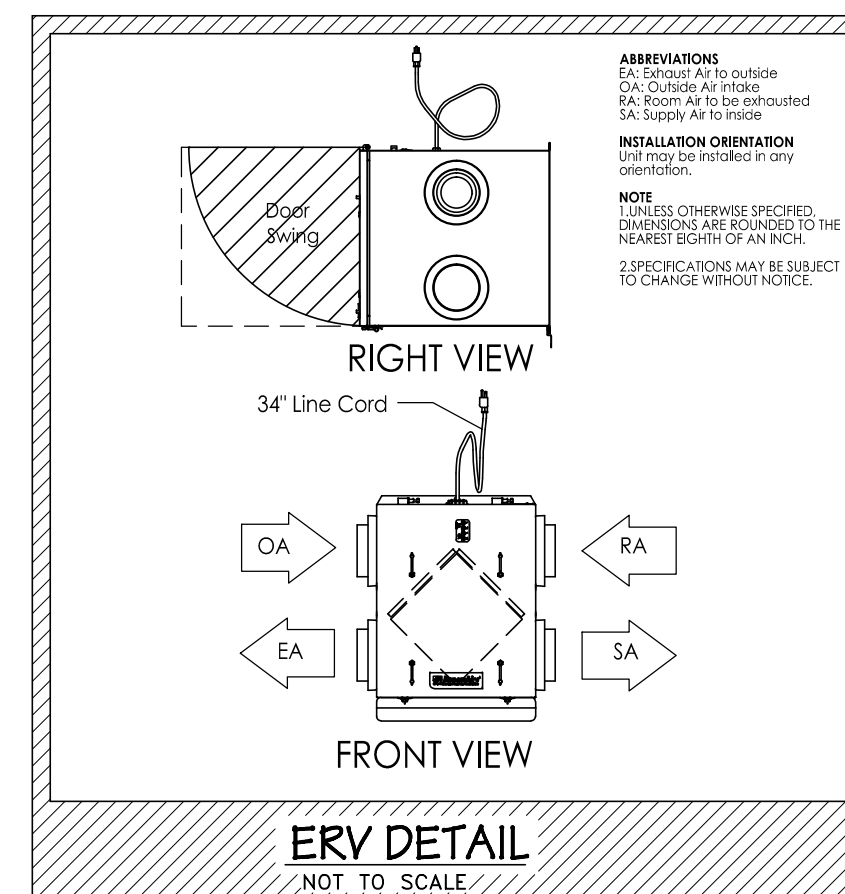
TYPICAL ATTIC DUCT DETAIL
NOT TO SCALE



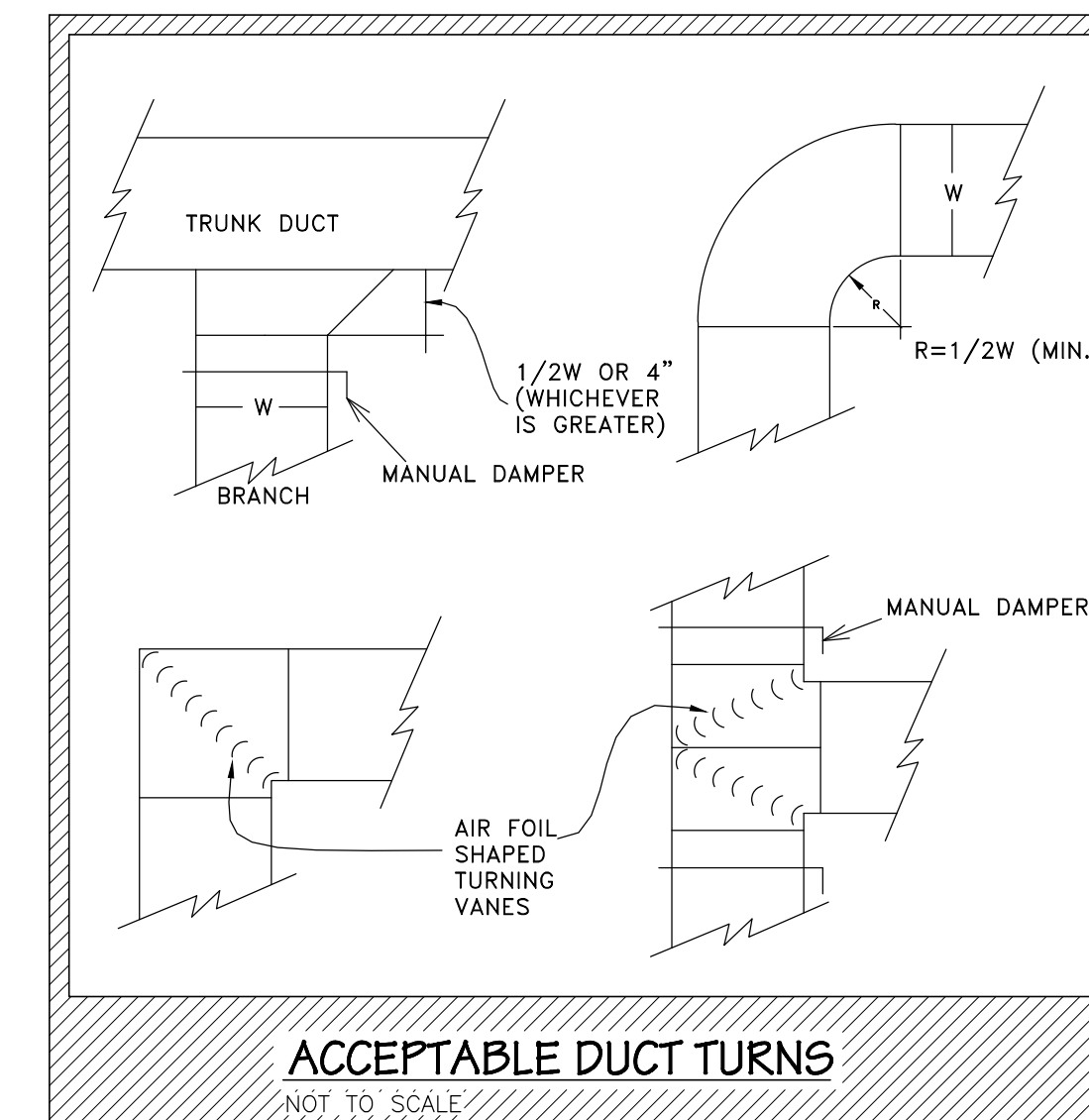
TYP. CONDENSATE DRAIN CONNECTIONS
NOT TO SCALE



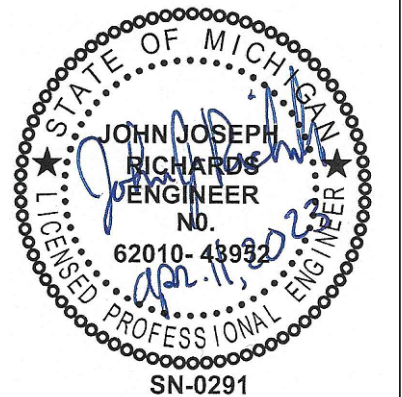
FURNACE DETAIL
NOT TO SCALE



ERV DETAIL
NOT TO SCALE



ACCEPTABLE DUCT TURNS
NOT TO SCALE

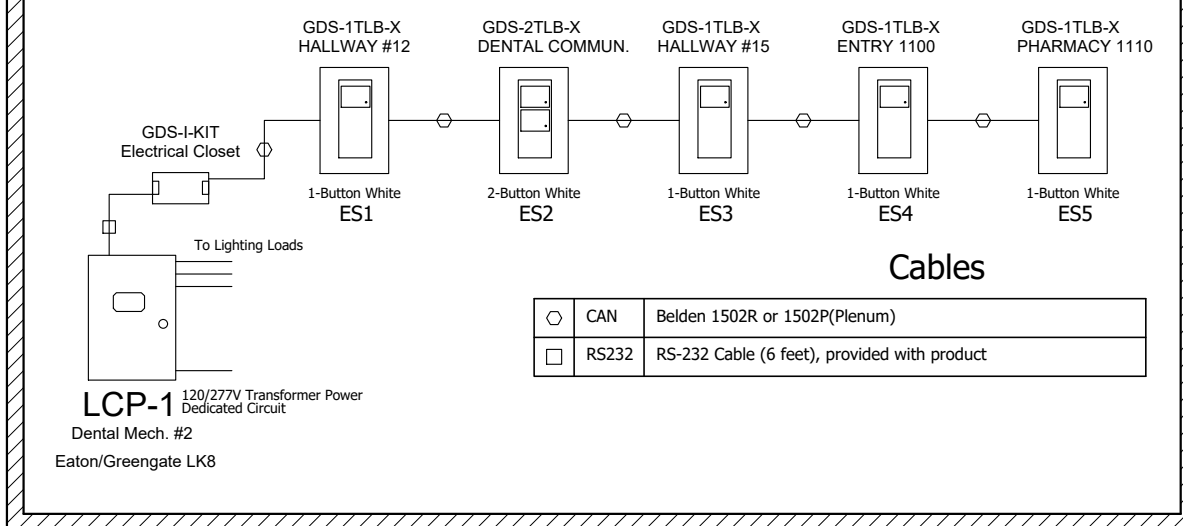


LIGHTING FIXTURE SCHEDULE

TYPE	BRAND	MODEL #	MOUNTING TYPE	LAMP	TOTAL FIXTURE POWER	VOLTAGE	NOTES:
A	METALUX	24CZ-LD5-30-UNV-L840-CD1-U	RECESSED	3070LM/4000K/LED	21.6W	UNV	W/SK-24-WS SURFACE KIT
A1	METALUX	24CZ-LD5-30-UNV-EL14W-L840-CD1-U	RECESSED	3070LM/4000K/LED	21.6W	UNV	W/14W EM BATTERY PACK, SK-24-WS SURFACE KIT
B	METALUX	22CZ-LD5-30-UNV-L840-CD1-U	RECESSED	2085LM/4000K/LED	16.4W	UNV	W/SK-22-WS SURFACE KIT
B1	METALUX	22CZ-LD5-30-UNV-EL14W-L840-CD1-U	RECESSED	2085LM/4000K/LED	16.4W	UNV	W/14W EM BATTERY PACK, SK-22-WS SURFACE KIT
C	LUMARK	XTOR1B-W	SURFACE	1396LM/4000K/LED	12.0W	UNV	-
XA	SURELITES	APC7R	EXIT LIGHT	(1) LED	1.4W	120V	-
XB	SURELITES	APWR2	EXTERIOR EM	(2) LED	1.6W	120V	-

EXT'G LCP-1 RELAY PANEL SCHEDULE

RELAY #	RELAY TYPE	VOLTAGE	LOAD TYPE	CIRCUIT	DESCRIPTION
1	SRC	120V	LED	---	ENTRY
2	SRC	120V	LED	---	WAITING
3	SRC	120V	LED	F-3	HALLWAY
4	SRC	120V	LED	F-3	ENTRY
5	SRC	120V	LED	F-3	ENTRY_1100
6	SRC	120V	LED	H-1	PHARM_1110
7	SRC	120V	LED	H-1	PHARM_1110
8	SRC	120V	LED	H-1	EXT_PHARM

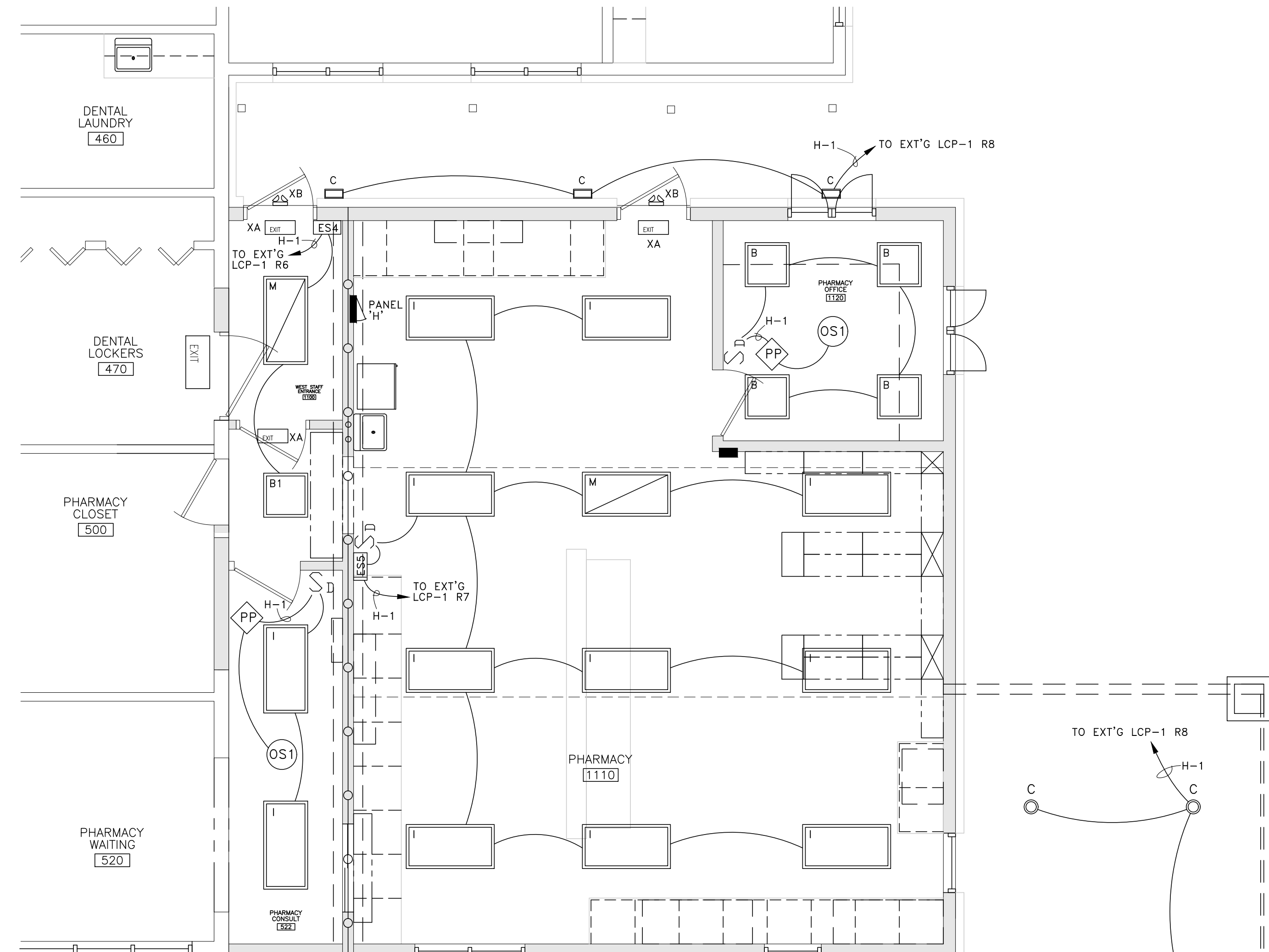


OCCUPANCY LEGEND

SYMBOL	BRAND	MODEL #	DESCRIPTION
OS1	GREENGATE	OAC-P-1500	CEILING MOUNTED PASSIVE INFRARED OCCUPANCY SENSOR (1500 SQ. FT)
PP	GREENGATE	SP20-MV	POWER PACK FOR 120/277VAC SYSTEM

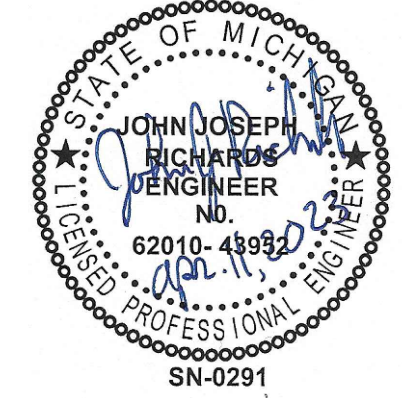
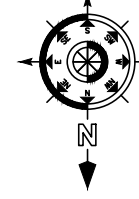
ELECTRICAL NOTES

- PRIOR TO SUBMITTING A PROPOSAL, BIDDER SHALL HAVE VISITED THE CONSTRUCTION SITE. HE SHALL BE FAMILIAR WITH THE EXISTING CONDITIONS UNDER WHICH HE WILL HAVE TO OPERATE AND WHICH WILL IN ANY WAY AFFECT THE WORK UNDER THIS CONTRACT. NO SUBSEQUENT ALLOWANCE WILL BE MADE IN THIS CONNECTION ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLIGENCE ON HIS PART.
- ELECTRICAL WORK SHALL COMPLY WITH THE LATEST ENFORCEABLE EDITION OF THE N.E.C., LOCAL AND STATE CODES, ORDINANCES, REGULATIONS, INCLUDING THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA), AND ADA GUIDELINES WITH THE LOCAL CODE AUTHORITIES HAVING JURISDICTION.
- ELECTRICAL CONTRACTOR SHALL OBTAIN ALL PERMITS, PAY ALL FEES, INCLUDING COSTS ASSESSED BY THE ELECTRIC UTILITY COMPANIES, AND ARRANGE FOR ALL INSPECTIONS FOR HIS WORK. AT THE COMPLETION OF ELECTRICAL WORK, THE ELECTRICAL CONTRACTOR SHALL FURNISH THE OWNER WITH ALL CERTIFICATES OF FINAL INSPECTION AND APPROVALS.
- ELECTRICAL MATERIALS SHALL BE NEW, AND BEAR THE "UL" LABEL.
- FUSES SHALL BE "UL" LISTED, DUAL AS MANUFACTURED BY BUSMAN CO., OR APPROVED EQUAL (200,000 ERIC).
- PLATES FOR SWITCHES AND RECEPTACLES SHALL BE IVORY.
- FLUORESCENT FIXTURE BALLAST VOLTAGE RATING SHALL BE AS NOTED. NON-HIGH POWER FACTOR, ENERGY SAVING, CLASS P, A, SOUND RATED, HIGH DISCHARGE (HD) BALLAST SHALL BE NON-HIGH POWER FACTOR, CONSTANT WATTAGE AUTO TRANSFORMER TYPE, WITH STARTING CURRENT NOT EXCEEDING THE OPERATING CURRENT.
- PANEL BOARDS SHALL BE RATED 120/208V, 1 PHASE, 3W, OR AS NOTED WITH PLUG TYPE BRANCH CIRCUIT BREAKERS RATED A MINIMUM 10,000 A.I.C. PANEL BOARDS SHALL BE SIMILAR TO CUTLER HAMMER.
- ELECTRICAL CONTRACTOR SHALL VERIFY EXACT ELECTRIC UTILITY COMPANIES SERVICE POINTS AND PRIMARY SERVICE CONDUIT, ROUTING, AND SIZE WITH UTILITY COMPANY SERVICE PLANNERS PRIOR TO BEGINNING WORK.
- ELECTRICAL CONTRACTOR SHALL GUARANTEE ALL WORK INSTALLED UNDER HIS CONTRACT TO BE FREE FROM DEFECTIVE WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE YEAR AFTER THE ACCEPTANCE OF THE BUILDING BY THE OWNER. SHOULD DEFECTS OCCUR WITHIN THIS PERIOD, REPAIR AND/OR REPLACE DEFECTIVE ITEMS AT NO EXPENSE.
- ELECTRICAL CONTRACTOR SHALL COORDINATE LOCATIONS OF HIS EQUIPMENT AND WORK WITH OTHER BUILDING TRADES TO AVOID ANY INTERFERENCES BETWEEN HIS WORK AND THE WORK OF OTHER BUILDING TRADES. IF ANY DISCREPANCIES OCCUR, CONSULT WITH THE ARCHITECT AND/OR OWNER BEFORE CONTINUING.
- LAMPS - ALL LAMPS SHALL BE CLASSIFIED "ENERGY SAVING", AND BE PROVIDED BY E.C.
- THE CONTRACTOR SHALL BE HELD FULLY RESPONSIBLE FOR THE PROPER RESTORATION OF ALL EXISTING SURFACES REQUIRING PATCHING, PLASTERING, PAINTING AND/OR OTHER REPAIR DUE TO THE INSTALLATION OF ELECTRICAL WORK UNDER THE TERMS OF THIS SPECIFICATION. CLOSE ALL OPENINGS, REPAIR ALL SURFACES, ETC. AS REQ'D.
- THE ELECTRICAL CONTRACTOR SHALL PERIODICALLY REMOVE FROM THE SITE ALL DEBRIS AND RUBBISH ACCUMULATING AS A RESULT OF THE ELECTRICAL INSTALLATION. UPON COMPLETION OF THE PROJECT, HE SHALL DISPOSE OF ALL DEBRIS AND RUBBISH AND SHALL LEAVE ALL AREAS CLEAN. THE INTERIORS OF ALL CABINETS, PULL BOXES, AND EQUIPMENT ENCLOSURES SHALL BE FREE OF ANY DEBRIS.
- UNDERGROUND CONDUIT TO BE SCHEDULE 40 PVC.
- ELECTRICAL JOINTS WILL BE PERMITTED ONLY IN JUNCTION AND OUTLET BOXES. ALL JOINTS SHALL BE FIRMLY BONDED TOGETHER AND TAPED OR SHALL BE MADE WITH MECHANICAL CONNECTORS.
- ALL LOCATIONS OF DEVICES TO BE COORDINATED WITH ARCHITECT BEFORE ROUGH-IN.
- FIELD VERIFY ALL CONNECTIONS TO EXT'G ELECTRICAL PANELS AND REVISE AS REQ'D TO PROVIDE PROPER POWER AND CIRCUITING.
- FIELD VERIFY ALL EQUIPMENT NAMEPLATE DATA BEFORE CONNECTING EQUIPMENT.



FLOOR PLAN - ELECTRICAL LIGHTING

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



PROJECT: 231012
3330 S. West Bayshore Dr.
Farmington Hills, MI 48334
(248) 852-0800 office

APOLLO ENGINEERING



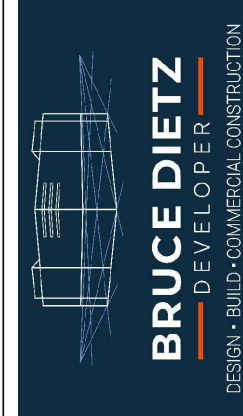
JOB NUMBER: 221106
SHEET NO.:

E1

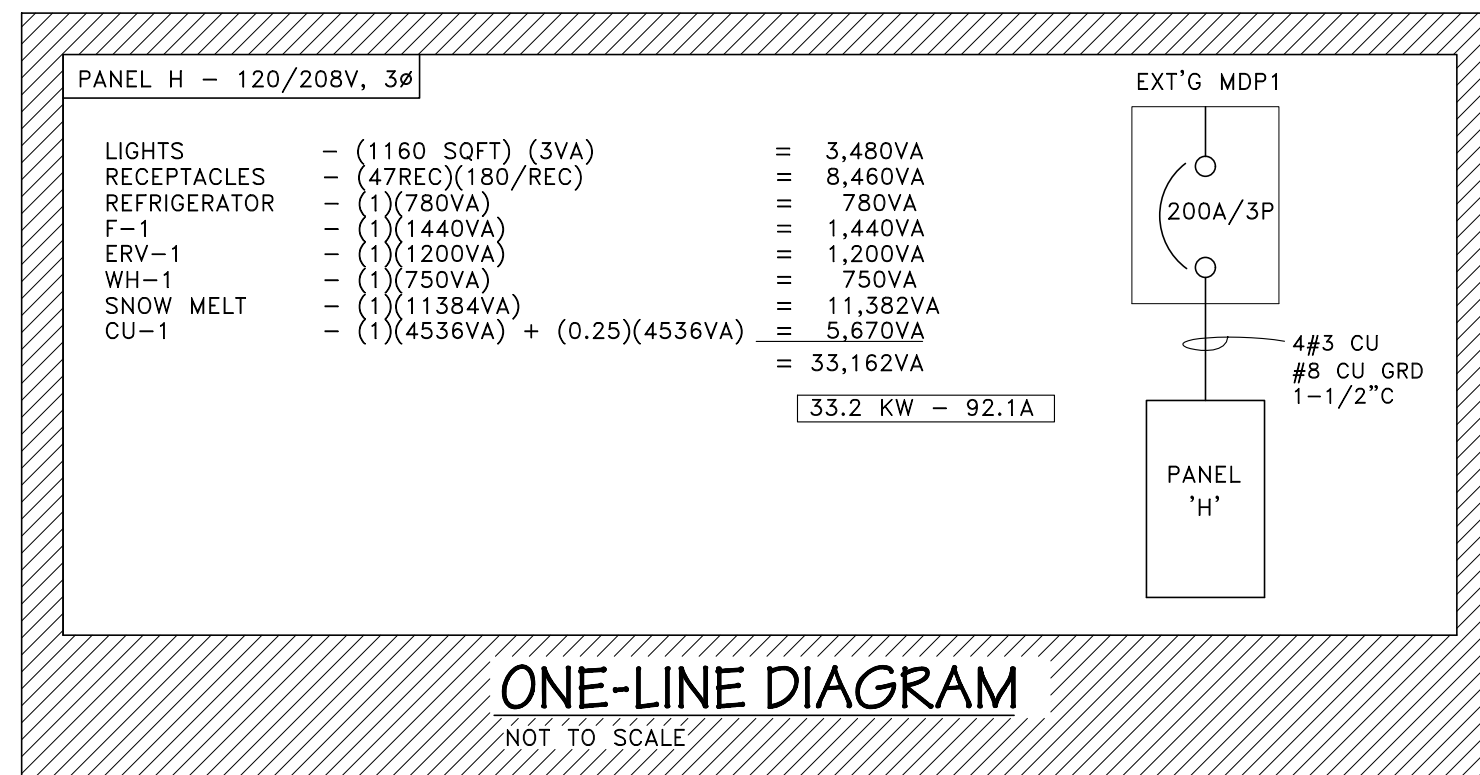
THUNDER BAY
COMMUNITY HEALTH SERVICE, INC.
2023 ATLANTA ADDITION

FLOOR PLAN - ELECTRICAL
LIGHTING

BRUCE DIETZ
100 RIPLEY
ALPENA, MI 49707



PANEL H (PHARMACY 1110)				200 AMPS M.L.O. 120/208V-3Ø-4W			
CIR. NO.	AMP/POLES	DESCRIPTION	LOAD	LOAD	DESCRIPTION	AMP/POLES	CIR. NO.
1	20/1	LIGHTS (PHARMACY ADDITION)	421	360	RECEPTACLES (W. STAFF ENTRY)	20/1	2
3	20/1	RECEPTACLES (CONSULT 522)	540	1080	RECEPTACLES (PHARMACY 1110)	20/1	4
5	20/1	RECEPT. (CONSULT 522, PHARM 1110)	720	900	RECEPTACLES (PHARMACY 1110)	20/1	6
7	20/1	RECEPTACLES (PHARMACY 1110)	720	720	RECEPTACLES (PHARMACY 1110)	20/1	8
9	20/1	RECEPTACLES (OFFICE 1120)	720	540	RECEPTACLES (OFFICE 1120)	20/1	10
11	20/1	RECEPTACLES (PHARMACY 1110)	900	720	RECEPTACLES (PHARMACY 1110)	20/1	12
13	20/1	RECEPTACLES (ATTIC, EXTERIOR)	540	780	REFRIGERATOR (PHARMACY 1110)	20/1	14
15	15/1	F-1 (ATTIC)	1440	1200	ERV-1 (ATTIC)	15/1	16
17	35/2	CU-1 (EXTERIOR)	2268	750	WH-1 (W. STAFF ENTRY)	20/1	18
19				3761			20
21	20/1	SPARE		3761	SNOW MELT (EXTERIOR)	40/3	22
23		SPACE					24
25		SPACE		3761	SPARE	20/1	26
27		SPACE			SPACE		28
29		SPACE			SPACE		30



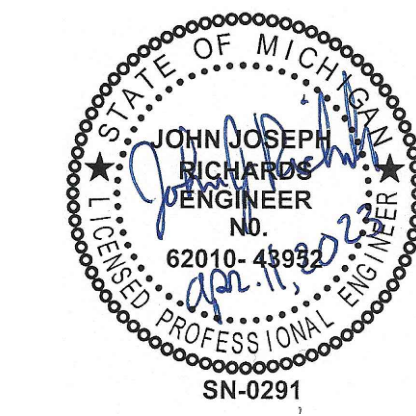
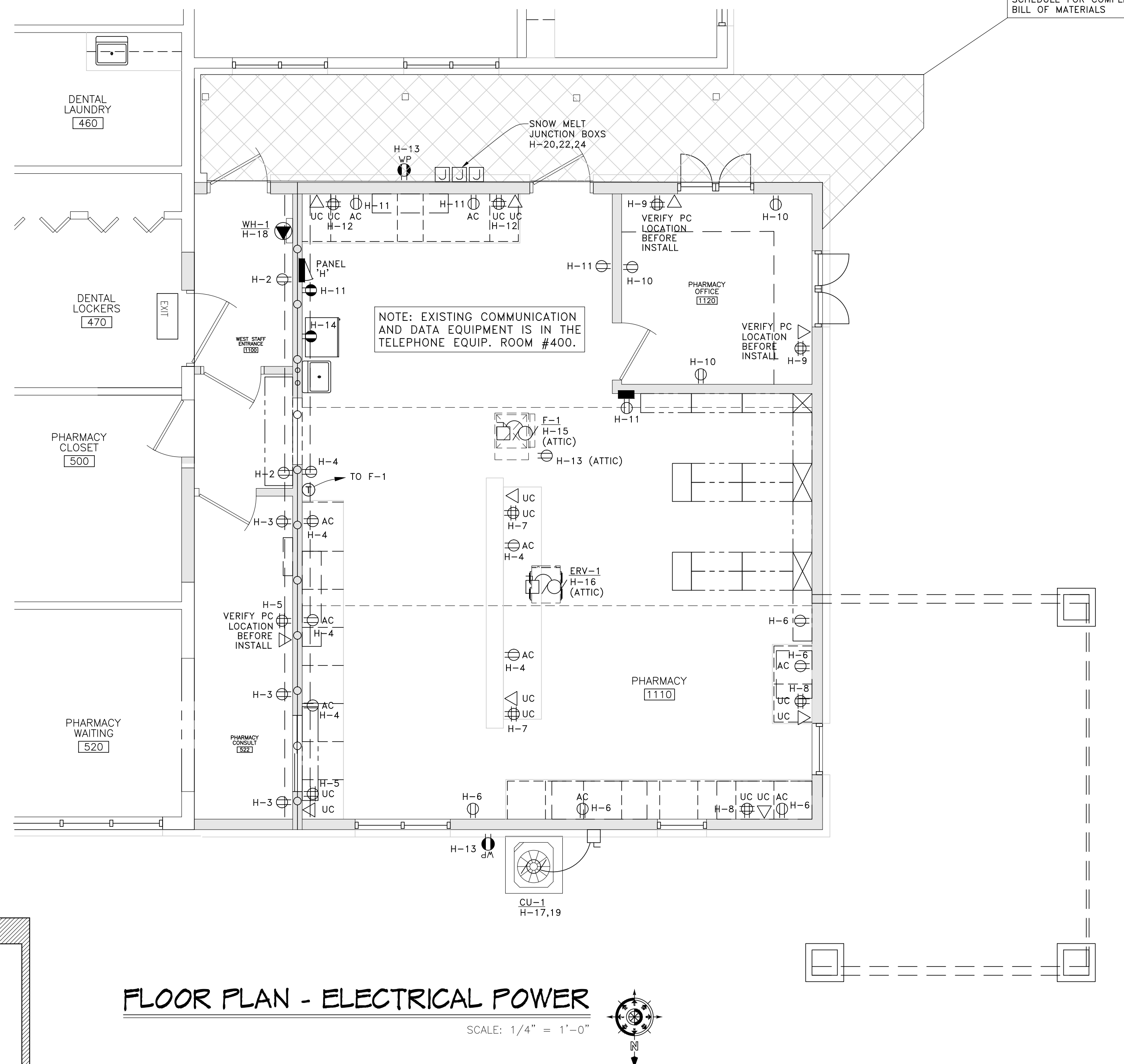
SYMBOL	DESCRIPTION	NOTES
	SINGLE POLE DIMMER SWITCH	MOUNT @ 44" A.F.F. TO BOTTOM OF BOX, UNLESS OTHERWISE NOTED
	2'x2' FIXTURE, TYPE X	SEE LIGHTING FIXTURE SCHEDULE FOR TYPES
	2'x4' FIXTURE, TYPE X	SEE LIGHTING FIXTURE SCHEDULE FOR TYPES
	DUPLEX OUTLET - 20 AMP	MOUNT @ 24" A.F.F. TO BOTTOM OF BOX, UNLESS OTHERWISE NOTED
	DUPLEX OUTLET - GROUND FAULT	MOUNT @ 24" A.F.F. TO BOTTOM OF BOX, UNLESS OTHERWISE NOTED
	DUPLEX OUTLET - WEATHER PROOF COVER	MOUNT @ 24" A.F.F. TO BOTTOM OF BOX, UNLESS OTHERWISE NOTED
	QUADPLEX OUTLET - 20 AMP	MOUNT @ 24" A.F.F. TO BOTTOM OF BOX, UNLESS OTHERWISE NOTED
	SPECIAL PURPOSE OUTLET, AS NOTED	REFER TO SHOP DRAWINGS FOR CONNECTION REQUIREMENTS
	MOTOR, AS SPECIFIED	REFERENCE SPECIFICATIONS FOR REQUIREMENTS
	FUSED DISCONNECT	REFER TO GENERAL ELECTRICAL NOTES AND ONE-LINE DIAGRAM. (VFD IS BEING SUPPLIED WITH UNIT FOR ROOTOPTS OR BY CONT. CONTRACTOR)
	LIGHTING/BRANCH CIRCUIT PANELS	REFER TO GENERAL ELECTRICAL NOTES AND ONE-LINE DIAGRAM.
	DATA OUTLETS	MOUNT @ 24" A.F.F. TO BOTTOM OF BOX, UNLESS OTHERWISE NOTED, EC TO PROVIDE SINGLE GANG BOX WITH 1" STUBBED ABOVE CEILING SPACE. ROUTE DATA CABLING BACK TO HEAD END AND MAKE CONNECTS AS REQ'D.
	MECHANICAL THERMOSTAT	PROVIDE CONDUIT AND BACKBOX
AC	ABOVE COUNTER	
UC	UNDER COUNTER/IN CABINET	

WIRE SIZE REQUIREMENTS									
NOTE: BASED ON A MAXIMUM OF 6-VOLT DROP (5% ON 120V CIRCUITS. WIRES FOR RUNS OVER 100'-0" SHALL BE DETERMINED ON THIS A MAXIMUM OF A 5% DROP ALLOWED.									
BRANCH CIRCUIT AMPS	LENGTH OF RUN - FROM PANEL TO FIRST CONNECTION - FEET								
AMPS	50'	60'	70'	80'	90'	100'	110'	120'	130'
15	#12	#12	#12	#12	#12	#12	#10	#10	#10
20	#12	#12	#12	#10	#10	#10	#10	#10	#8
30	#10	#10	#10	#10	#8	#8	#8	#8	#6

SNOW MELT SYSTEM SCHEDULE
1. (3) EM2-XR SELF-REGULATING HEATING CABLE
2. (3) EMK-XJB JUNCTION BOX'S
3. (3) EMK-XC-USA POWER CONNECTION AND END SEAL KIT
4. (2) EMX-XEJ EXPANSION JOINT KIT
5. (1) APS-4C AUTOMATIC SNOW MELTING CONTROLLER 208/240V
6. (1) SC-40C SATELLITE CONTACTOR 208/240V
7. (1) SNOW OWL AERIAL SNOW SENSOR.
8. (4) EMK-XCT, CABLE TIES
9. (1) SMCS SNOW MELT CAUTION SIGN
CONTACT MELISSA MELTON WITH DALE PRENTICE COMPANY (231) 932-5494 FOR INFO AND PRICING

ELECTRIC HEATING EQUIP. SCHEDULE						
MARK	MANU.	MODEL No.	BTU/HR.	WATTS	ELECTRICAL	REMARKS
WH-1	MARKEL	HF3313T2RP	2,560	750	120V/1Ø, 750W	BUILT IN THERMOSTAT & CIRCUIT BREAKER

NOTES:
1. UNITS BASED ON MARKEL. (Q-MARK & ELECTROMODE MAY BE BID AS EQUAL).



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FLOOR PLAN - ELECTRICAL
POWER

THUNDER BAY
COMMUNITY HEALTH SERVICE, INC.
2023 ATLANTA ADDITION

ISSUED: APR. 1, 2025
JOB NUMBER: 221106
SHEET NO.: E2