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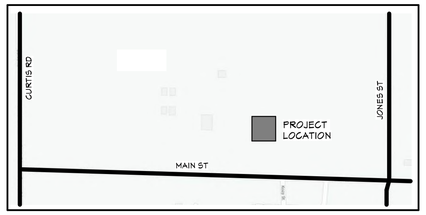


LOCATION MAP

NEW CLINIC

HELEN NEWBERRY JOY MANISTIQUE LAKES FAMILY CLINIC

W17530 MAIN ST., CURTIS, MI 49820

HELEN NEWBERRY JOY HOSPITAL

ISSUED FOR INFORMATION ONLY

SHEET INDEX

SHEET #	SHEET NAME	PERMITS 2021.04.21	CURRENT ISSUANCE DATE	CURRENT ISSUANCE DESCRIPTION
TITLE				
A0	COVERSHEET	X	2021.05.19	BIDS
CIVIL				
G001	TITLE SHEET	X	2021.05.19	BIDS
C100	EXISTING SITE PLAN	X	2021.05.19	BIDS
C101	DEMOLITION SITE PLAN	X	2021.05.19	BIDS
C101-1	PROPOSED SITE PLAN	X	2021.05.19	BIDS
C102	ENLARGED SITE PLAN	X	2021.05.19	BIDS
C500	DETAILS	X	2021.05.19	BIDS
ARCHITECTURAL				
AC0.0	CODE SUMMARY AND CODE COMPLIANCE PLANS	X	2021.05.19	BIDS
AC0.2	ACCESSIBILITY REQUIREMENTS - ANSI 2009	X	2021.05.19	BIDS
AD0.1	FIRST FLOOR DEMOLITION PLAN	X	2021.05.19	BIDS
A1.0	BASEMENT FLOOR PLAN	X	2021.05.19	BIDS
A1.1	FIRST FLOOR PLAN	X	2021.05.19	BIDS
A1.2	ROOF PLAN	X	2021.05.19	BIDS
A3.1	DOOR SCHEDULE, DOOR AND WINDOW TYPES AND DETAILS	X	2021.05.19	BIDS
A3.4	WALL TYPES	X	2021.05.19	BIDS
A4.1	EXTERIOR ELEVATIONS	X	2021.05.19	BIDS
A4.2	EXTERIOR ELEVATIONS	X	2021.05.19	BIDS
A5.1	BUILDING SECTIONS	X	2021.05.19	BIDS
A5.2	BUILDING SECTIONS	X	2021.05.19	BIDS
A6.1	WALL SECTIONS AND DETAILS	X	2021.05.19	BIDS
A7.1	INTERIOR ELEVATIONS	X	2021.05.19	BIDS
A8.1	FIRST FLOOR REFLECTED CEILING PLAN	X	2021.05.19	BIDS
INTERIORS				
I1.1	FIRST FLOOR FINISH PLAN	X	2021.05.19	BIDS
I2.1	FINISH SCHEDULE AND SPECIFICATIONS	X	2021.05.19	BIDS
STRUCTURAL				
S0.1	STRUCTURAL NOTES	X	2021.05.19	BIDS
S1.0	BASEMENT FOUNDATION PLAN	X	2021.05.19	BIDS
S1.1	FIRST FLOOR FOUNDATION AND FRAMING PLAN	X	2021.05.19	BIDS
S1.2	ROOF FRAMING PLAN	X	2021.05.19	BIDS
S2.0	CONCRETE SECTIONS AND DETAILS	X	2021.05.19	BIDS
S2.1	WOOD FRAMING SECTIONS AND DETAILS	X	2021.05.19	BIDS
PLUMBING				
PD1.0	BASEMENT DOMESTIC PLUMBING PLAN	X	2021.05.19	BIDS
PD1.1	FIRST FLOOR DOMESTIC PLUMBING PLAN	X	2021.05.19	BIDS
PS1.0	BASEMENT SANITARY/STORM PLAN	X	2021.05.19	BIDS
PS1.1	FIRST FLOOR SANITARY/STORM PLAN	X	2021.05.19	BIDS
P4.1	PLUMBING SCHEDULES & DETAILS	X	2021.05.19	BIDS
MECHANICAL				
M1.0	BASEMENT HVAC PLAN	X	2021.05.19	BIDS
M1.1	FIRST FLOOR HVAC PLAN	X	2021.05.19	BIDS
M3.1	MECHANICAL DETAILS	X	2021.05.19	BIDS
M4.1	MECHANICAL SCHEDULES	X	2021.05.19	BIDS
ELECTRICAL				
EP1.0	BASEMENT ELECTRICAL PLAN	X	2021.05.19	BIDS
EL1.1	FIRST FLOOR LIGHTING PLAN	X	2021.05.19	BIDS
EP1.1	FIRST FLOOR POWER PLAN	X	2021.05.19	BIDS
E4.1	ONE LINE DIAGRAM	X	2021.05.19	BIDS
E5.1	DETAILS AND SCHEDULES	X	2021.05.19	BIDS
SHEET TOTAL: 44				

PROJECT TEAM

ARCHITECT:
HOOKER DEJONG, INC
316 MORRIS AVE., SUITE 410
MUSKEGON, MI 49440
P: 231.722.3407

STRUCTURAL ENGINEER:
HOLLAND ENGINEERING
220 HOOVER BLVD.
HOLLAND, MI, 49423
P: 616.392.5693
Josh Host, PE, SE

MECHANICAL, ELECTRICAL, PLUMBING ENGINEER:
HOOKER DEJONG, INC
316 MORRIS AVE., SUITE 410
MUSKEGON, MI 49440
P: 231.722.3407

CIVIL ENGINEER (OWNER CONSULTANT):
UPEA ENGINEERS & ARCHITECTS
DRAWINGS ISSUED FOR INFORMATION ONLY

GENERAL CONTRACTOR:
CLARK CONSTRUCTION, INC.
3535 MOORES RIVER DRIVE
LANSING, MI 48911
P: 517.372.0940

Hooker DeJong Inc
ARCHITECTS • ENGINEERS • PLANNERS
316 Morris Avenue
Suite 410
Muskegon, MI 49440
P 231.722.3407
F 231.722.2589

STATE OF MICHIGAN
BRIAN WELSH
ARCHITECT
No.
1301049110
REGISTERED ARCHITECT
5/24/21

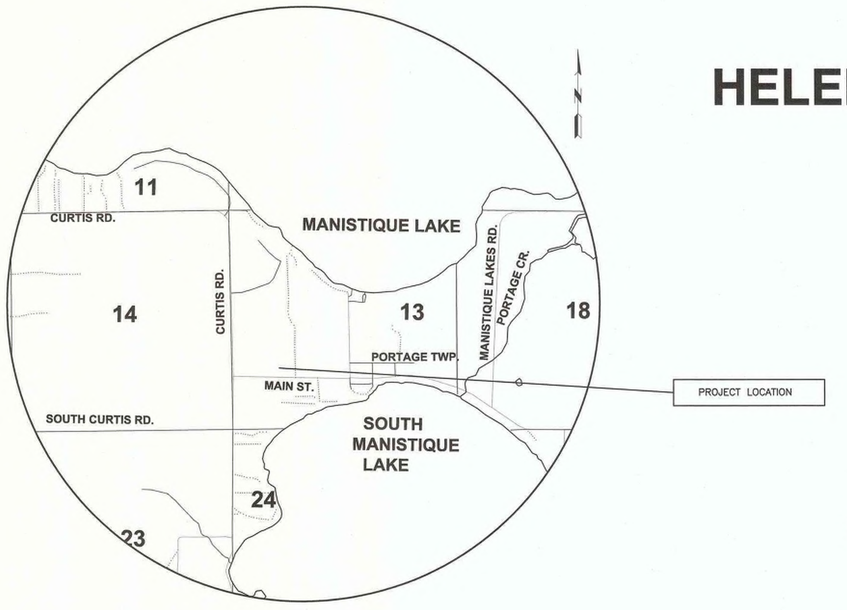
HELEN NEWBERRY JOY MANISTIQUE LAKES FAMILY CLINIC
2021.05.19 - BIDS
4-1274

HELEN NEWBERRY JOY HOSPITAL

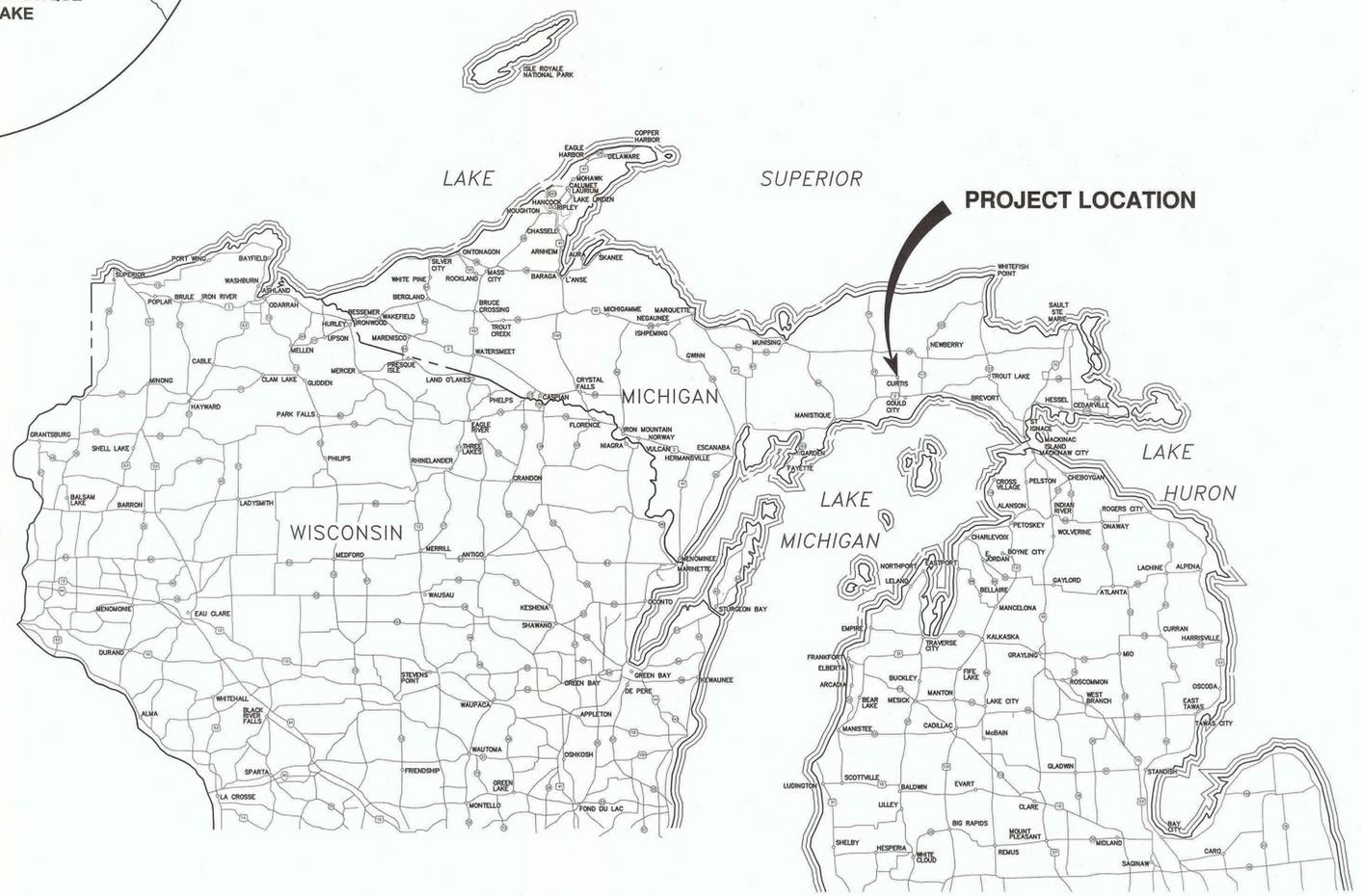
PLAN OF PROPOSED

NEW CLINIC

MANISTIQUE LAKES FAMILY CLINIC



VICINITY MAP



UTILITY COORDINATION:

THE FOLLOWING UTILITIES ARE LOCATED IN OR NEAR THE RIGHT OF WAY OF THE PROPOSED PROJECT.

TELEPHONE:

AMERITECH GENERAL OFFICES
3255 US-41 WEST
MARQUETTE, MICHIGAN 49855,
(906) 225-6168

ELECTRICITY:

CLOVERLAND ELECTRIC COOPERATIVE
DAFTER - MAIN OFFICE
2916 W. M-28
DAFTER, MI 49724

CONTRACTOR SHALL COORDINATE ALL OF THEIR WORK AND THE UTILITY COMPANIES' RELOCATION WORK AT NO ADDITIONAL COST TO THE PROJECT.

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 53, THE CONTRACTOR SHALL DIAL 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS AND HOLIDAYS PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

811 Know what's below. Call before you dig.

INDEX OF SHEETS

SHEET	DESCRIPTION
G001	TITLE SHEET
C100	EXISTING SITE PLAN
C101	DEMOLITION SITE PLAN
C102	PROPOSED SITE PLAN
C103	ENLARGED SITE PLAN
C500	DETAILS

PREPARED UNDER THE SUPERVISION OF

Kevin O. Nancarrow — 67353
REGISTERED PROFESSIONAL ENGINEER — REG. NO.

UP Engineers & Architects, Inc.
ORGANIZATION

424 S Pine Street, Ishpeming, MI 49849
ADDRESS

SEAL AREA:

STATE OF MICHIGAN — KEVIN O. NANCARROW — ENGINEER — 62010673537 — REGISTERED PROFESSIONAL ENGINEER — 4/21/21

UPEA ENGINEERS & ARCHITECTS www.upea.com

NEW CLINIC - HELEN NEWBERRY JOY
MANISTIQUE LAKES FAMILY CLINIC
HELEN NEWBERRY JOY HOSPITAL
W17530 MAIN ST., CURTIS, MI 49820

ISSUED FOR:	DATE:
REVIEW	4/12/2021
FOR BID & PERMIT	4/21/2021

NEW CLINIC - HELEN NEWBERRY JOY
MANISTIQUE LAKES FAMILY CLINIC
HELEN NEWBERRY JOY HOSPITAL

PROJECT NO: H233-01319
DESIGNED BY: KTH
DRAWN BY:
CHECKED:
APPROVED:

TITLE SHEET

G001

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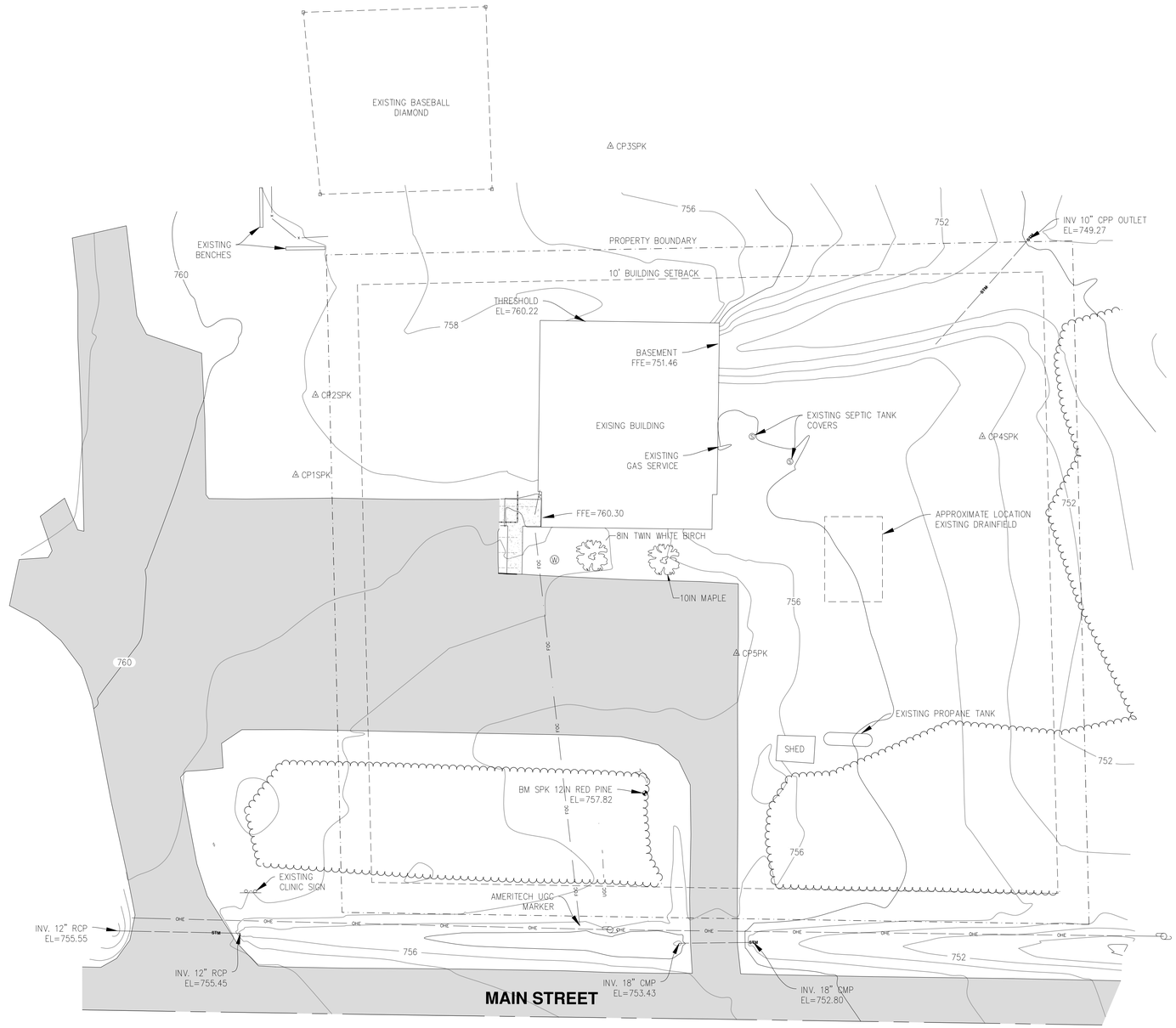

LEGEND

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- BOLLARD
- HYDRANT
- UTILITY POLE
- DECIDUOUS TREE
- DOUBLE POST SIGN
- WELL
- SEPTIC TANK COVER
- EX. HMA
- EX. CONC.
- TREELINE
- FENCELINE
- EDGE OF CONCRETE
- EDGE OF BIT
- UGC UNDERGROUND CABLE
- OHE OVERHEAD ELECTRIC
- STM STORM SEWER
- PROPERTY BOUNDARY
- ROAD CENTERLINE

BENCHMARK DATA

I.D.	DESCRIPTION	ELEVATION
501	BM SPK 12IN REDPINE	757.82

CONTROL POINT DATA

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1	CP1SPK	521313.18	26561230.95	759.40
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5	CP5PK	521254.48	26561375.92	757.34

GRAPHIC SCALE
0 10 20 40
(IN FEET)
1 inch = 20 ft.

GENERAL NOTES:

1. EXISTING TOPOGRAPHIC AND UTILITY INFORMATION BASED UPON SURVEY. SUPPLEMENTAL UTILITY INFORMATION BASED UPON CONSTRUCTION PLANS AND UTILITY MAPS PROVIDED BY THE OWNER. CONTRACTOR SHALL USE EVERY PRECAUTION IN EXCAVATING FOR NEW UTILITIES SINCE ACTUAL UNDERGROUND UTILITIES MAY NOT BE AS SHOWN. CONTRACTOR SHALL MAKE HIMSELF THOROUGHLY FAMILIAR WITH ALL UNDERGROUND UTILITY LOCATIONS PRIOR TO ANY EXCAVATION AND VERIFY LOCATIONS AND DEPTHS OF ALL UTILITIES.
2. SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL CONFORM TO LOCAL GOVERNMENT STANDARD SPECIFICATIONS FOR SOIL EROSION AND SEDIMENTATION CONTROL PROCEDURES. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING, INSTALLING, CLEANING, MAINTAINING, AND REMOVING ALL TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL MEASURES NECESSARY DURING CONSTRUCTION AND RESTORATION WORK.
3. CONTRACTOR SHALL MAINTAIN ACCESS TO BUILDING AT ALL TIMES DURING CONSTRUCTION.

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NEW CLINIC - HELEN NEWBERRY JOY MANISTIQUE LAKES FAMILY CLINIC

HELEN NEWBERRY JOY HOSPITAL
W17530 MAIN ST., CURTIS, MI 49820

ISSUED FOR: REVIEW
DATE: 4/12/2021

NEW CLINIC - HELEN NEWBERRY JOY
MANISTIQUE LAKES FAMILY CLINIC
HELEN NEWBERRY JOY HOSPITAL
PROJECT NO: H233-01319

DESIGNED BY:
DRAWN BY: KTH
CHECKED:
APPROVED:

EXISTING SITE PLAN

C100

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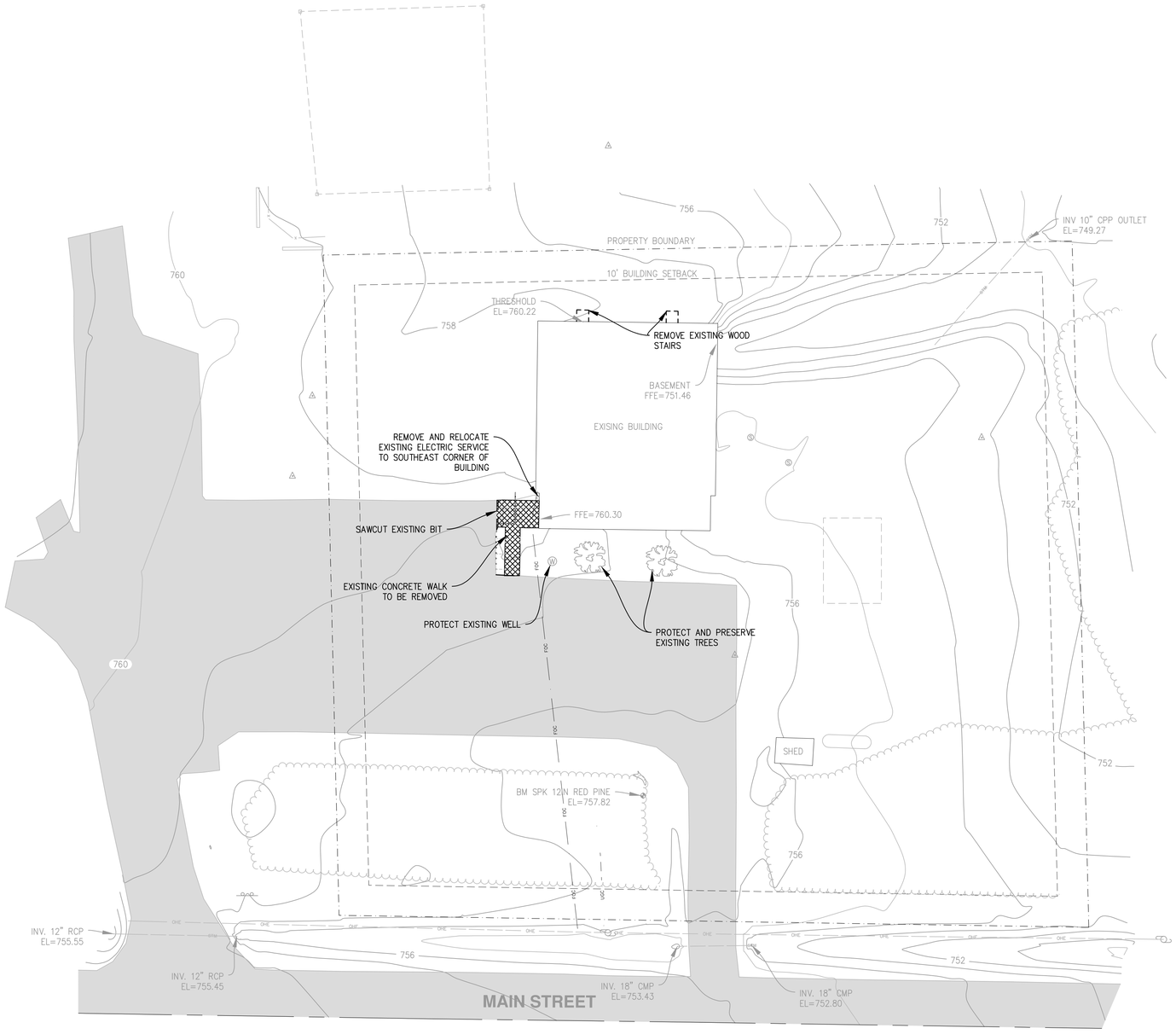

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- HMA/CONC. DEMO
- EX. CONC.
- TREELINE
- FENCELINE
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- EDGE OF BIT
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5	CP5PK	521254.48	26561375.92	757.34

GENERAL SITE DEMOLITION NOTES:

1. CONTRACTOR TO REMOVE ALL ITEMS AS NEEDED TO ALLOW FOR THE INSTALLATION OF ALL THE PROPOSED WORK. CONTRACTOR TO MAKE THEMSELVES AWARE BY SITE VISIT OF ALL DEMOLITION ITEMS PRIOR TO THE BID AS THIS IS A LUMP SUM PROJECT.
2. ALL REMOVED MATERIALS FROM THE SITE BECOME THE PROPERTY OF THE CONTRACTOR WITH EXCEPTION TO THOSE MATERIALS CLAIMED BY THE OWNER OR UTILITY PROVIDER.
3. ALL REMOVALS AND TRANSPORTATION OF THE REMOVED ITEMS SHALL BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS AND ALL LOCAL, STATE, AND FEDERAL LAWS.
4. REMOVALS SHALL BE COMPLETED TO DESCRIBED LIMITS AND ARE TO BE INCLUDED IN THE LUMP SUM CONTRACT. LIMITS MUST COINCIDE WITH PROPOSED WORK, CONTRACTOR TO COORDINATE AS NEEDED.
5. SAW CUT EXISTING PAVEMENT/SIDEWALK TO FULL DEPTH PRIOR TO REMOVAL. IF A SAWCUT EDGE BECOMES DAMAGED PRIOR TO THE INSTALLATION OF NEW MATERIAL THE EDGE SHALL BE RECUT AS DIRECTED BY THE OWNER AND THE PAVEMENTS REPLACED AT NO COST TO THE ORIGINAL CONTRACT.
6. CONTRACTOR RESPONSIBLE TO RESTORE ANY AND ALL AREAS DISTURBED OR DAMAGED OUTSIDE THE OWNERS PROPERTY AT NO ADDITIONAL COST TO THE PROJECT.
7. ALL UTILITIES THAT SERVICE THE EXISTING HOUSE IN PARKING AREA SHALL BE ABANDONED/REMOVED AS REQUIRED TO THE SATISFACTION OF EACH UTILITY PROVIDER. CONTRACTOR TO COORDINATE.
8. EXISTING UTILITY SYSTEMS ARE TO REMAIN IN USE UNTIL THE PROPOSED UTILITY CONNECTIONS ARE INSTALLED AND THE BUILDING UTILITY SYSTEMS ARE COMPLETED TO A POINT WHERE A SWITCH TO THE NEW SERVICES CAN BE ACCOMPLISHED WITHOUT INTERRUPTING THE BUILDING SERVICES FOR A PERIOD OF MORE THAN 8 HOURS. CONTRACTOR TO COORDINATE WITH OWNER AND CITY UTILITY PROVIDER.

GRAPHIC SCALE
0 10 20 40
(IN FEET)
1 inch = 20 ft.

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HELEN NEWBERRY JOY HOSPITAL
W17530 MAIN ST., CURTIS, MI 49820

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REVIEW
DATE: 4/12/2021

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MANISTIQUE LAKES FAMILY CLINIC
HELEN NEWBERRY JOY HOSPITAL
PROJECT NO: H233-01319

DESIGNED BY: KTH
DRAWN BY:
CHECKED:
APPROVED:

DEMOLITION SITE PLAN

C101

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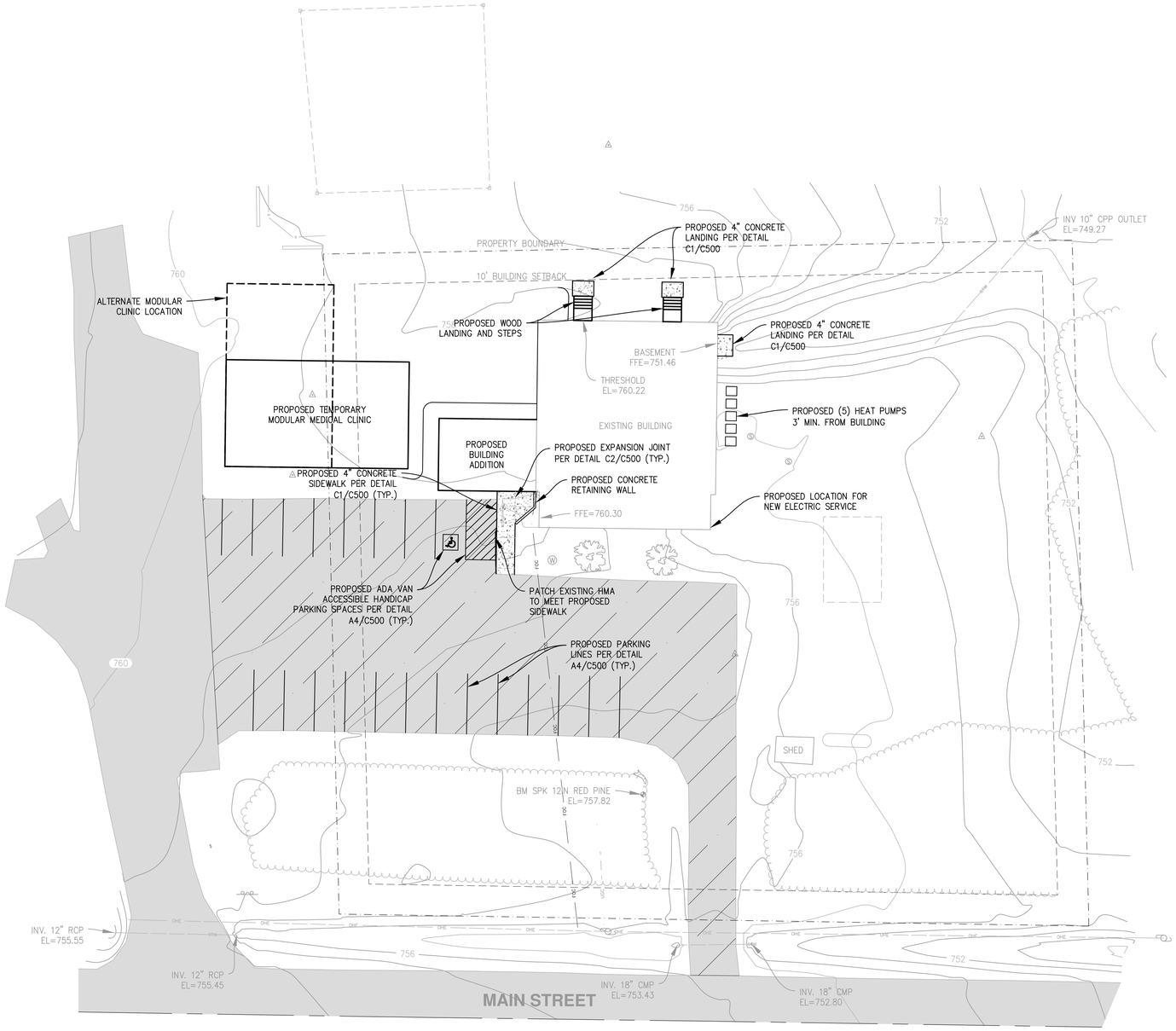

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- PROP. HMA TO BE SEALED
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I.D.	DESCRIPTION	ELEVATION
501	BM SPK 12IN REDPINE	757.82

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5	CP5PK	521254.48	26561375.92	757.34

GENERAL SITE NOTES:

1. CONTRACTOR RESPONSIBLE TO SEED, MULCH, & FERTILIZE ALL DISTURBED AREAS OUTSIDE PAVING LIMITS AND AGGREGATE SURFACE LIMITS..
2. REFER TO ARCHITECTURAL/STRUCTURAL PLANS FOR DIMENSIONS OF PROPOSED BUILDINGS.
3. CONTRACTOR SHALL PROVIDE CONSTRUCTION STAKING/LAYOUT. PROPOSED BUILDING CORNERS ARE TO BE PLACED DIMENSIONALLY FROM THE ARCHITECTURAL/STRUCTURAL PLAN SETS. SURROUNDING AMENITIES LOCATIONS ARE TO BE INSTALLED BASED ON FIELD VERIFICATION OF EXISTING ITEMS AND PROPOSED BUILDING PERIMETER
4. EXTERIOR CONCRETE SIDEWALK/FLAT SURFACES SHALL CONFORM TO MDOT GR. S2 MIX DESIGN. FLAT TRAFFIC BEARING SURFACES WILL RECEIVE A MEDIUM BROOMED FINISH (SEE DETAIL B1/C500).
5. ALL SITE PERMITS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
6. ALL INFORMATION PROVIDED ON SITE PLANS INCLUDING FEATURES, UTILITIES AND PROPERTY BOUNDARIES ARE ONLY ESTIMATED BASED ON AERIAL PHOTOS AND UTILITY COMPANY INFORMATION. CONTRACTOR TO VERIFY ALL SITE CONDITIONS PRIOR TO EXECUTION OF THE CONTRACT.
7. SEE STRUCTURAL DRAWINGS FOR CONCRETE RETAINING WALL DETAIL INFORMATION
8. UNLESS OTHERWISE NOTED ON THE PLANS, ALL WORK IS TO BE PERFORMED IN ACCORDANCE TO THE 2012 MDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION.

GENERAL GRADING NOTES:

1. FINAL GRADING SHALL PROVIDE POSITIVE DRAINAGE ACROSS THE ENTIRE SITE AWAY FROM BUILDING.
2. GRADES ADJACENT TO BUILDING FOOTPRINT SHALL BE AT LEAST 4" BELOW F.F.E.
3. SITE CLEARING SHALL INCLUDE SURFACE DEBRIS, DESIGNATED TREES, SHRUBS AND OTHER PLANT LIFE AND ABANDONED UTILITIES INDICATED ON THE DRAWINGS OR AS NECESSARY TO PERFORM WORK IN CONTRACT. CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF WASTE MATERIALS FROM THE SITE. CONTRACTOR SHALL PROTECT ALL SURVEY CONTROL POINTS, BENCH MARKS OR EXISTING STRUCTURES FROM DAMAGE OR DISPLACEMENT.
4. CONTRACTOR TO GRADE THE SITE ACCORDING TO SITE PLAN. IN THE ABSENCE OF A PLAN, CONTRACTOR TO GRADE SITE SO NEW GRADES BLEND GENTLY INTO EXISTING GRADES. CONTRACTOR TO SLOPE GRADE AWAY FROM BUILDINGS MINIMUM OF 2 INCHES IN 10 FEET. MAINTAIN OPTIMUM MOISTURE CONTENT OF MATERIALS WHEN GRADING. WHEN EXCAVATING THROUGH ROOTS, PERFORM WORK BY HAND AND CUT ROOTS WITH SHARP AXE. REMOVE EXCESS SUBSOIL FROM THE SITE UNLESS DIRECTED OTHERWISE BY OWNER OR ENGINEER.
5. CONTRACTOR RESPONSIBLE FOR INSTALLATION OF EROSION CONTROL DEVICES INCLUDING SILT FENCING, BERMS, DITCHES, ETC, THAT MEET LOCAL EROSION CONTROL REQUIREMENTS. CONTRACTOR RESPONSIBLE FOR ALL PERMITS AND FEES NECESSARY WITH SUCH SYSTEMS. SUCH DEVICES SHALL BE INSTALLED IN ALL AREAS OF DISTURBED SOIL AND WHERE SURFACE RUN-OFF CAN OCCUR.
6. THE DATUM FOR THIS PROJECT IS AS DESCRIBED IN ON SHEET C100.
7. AT ALL PROPOSED DRIVEWAY AREAS THE CONTRACTOR IS RESPONSIBLE FOR BLENDING THE PROPOSED GRADES TO MATCH TO THE EXISTING ROAD SURFACES.
8. SPECIFIC TO THIS SITE, THE INTENT OF THE GRADED SURFACE IS TO DRAIN WATER AWAY FROM THE BUILDING TOWARDS THE EXISTING AND PROPOSED DRAINAGE SWALES AND CATCH BASINS.
9. SEE ARCHITECTURAL PLANS FOR COORDINATION OF FINISHED FLOOR ELEVATION BETWEEN EXISTING AND PROPOSED BUILDING
10. SLOPE AND TURF STABILIZATION WILL BE REQUIRED ON DISTURBED AND CREATED SLOPE SURFACES.
    - 10.1. SLOPES LESS THAN 3:1 – 6" TOPSOIL, MDOT SEED MIX "TUF", AND MULCH BLANKET ARE ALL REQUIRED AND TO BE PLACED PER 2012 MDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION
    - 10.2. SLOPES STEEPER THAN 3:1 – MDOT RIPRAP, PLAIN IS REQUIRED TO BE PLACED ON TOP OF MARAFI 500X GEOTEXTILE FABRIC.

GRAPHIC SCALE
0 10 20 40
(IN FEET)
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HELEN NEWBERRY JOY HOSPITAL
PROJECT NO: H233-01319
DESIGNED BY:
DRAWN BY: KTH
CHECKED:
APPROVED:

PROPOSED SITE PLAN

C102

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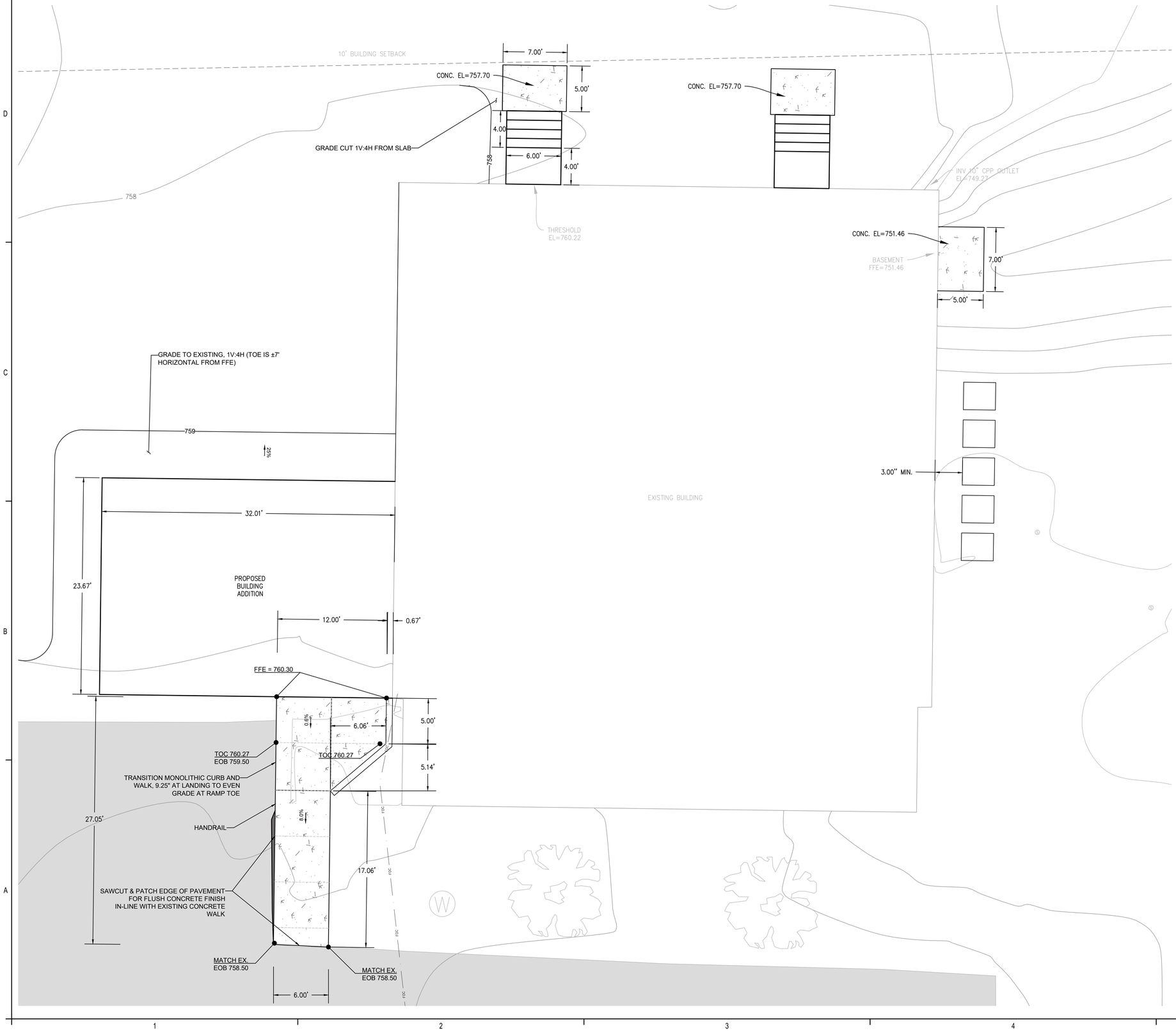

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GRAPHIC SCALE
0 2.5 5 10
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W17530 MAIN ST., CURTIS, MI 49820

ISSUED FOR: REVIEW
DATE: 4/12/2021

NEW CLINIC - HELEN NEWBERRY JOY MANISTIQUE LAKES FAMILY CLINIC
HELEN NEWBERRY JOY HOSPITAL
PROJECT NO: H233-01319
DESIGNED BY:
DRAWN BY: KTH
CHECKED:
APPROVED:

ENLARGED SITE PLAN

C103

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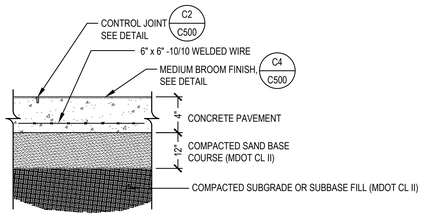
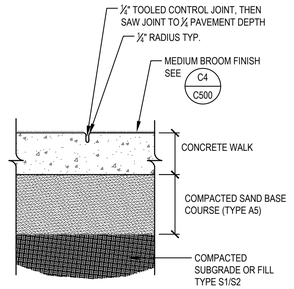
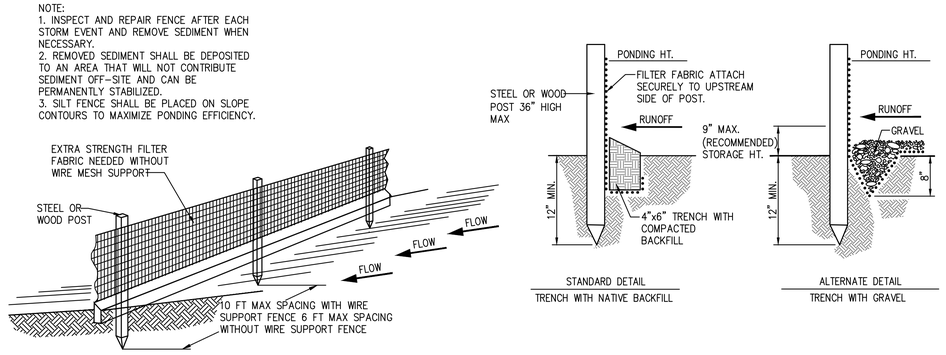


C1 CONCRETE WALK
NOT TO SCALE



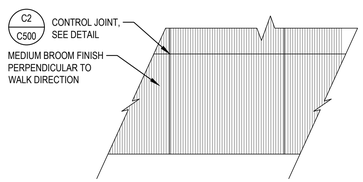
C2 CONTROL JOINT
NOT TO SCALE

NOTE:
1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
2. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.

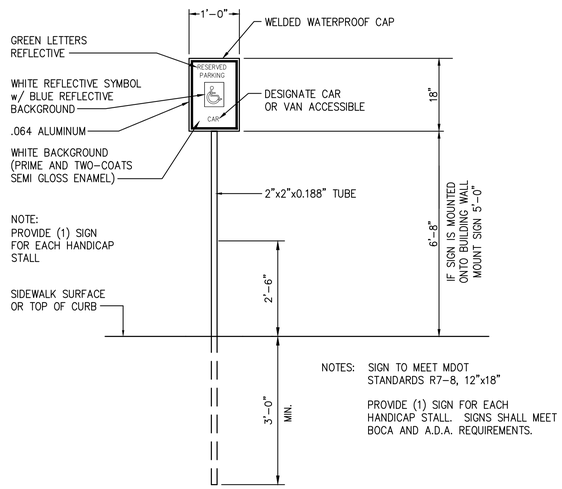


C4 TYPICAL SILT FENCE INSTALLATION
NOT TO SCALE

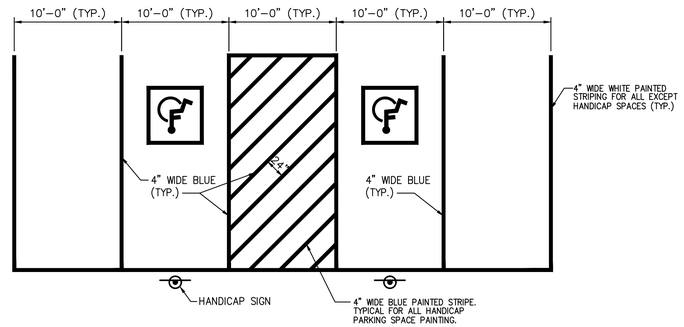
NOTE:
1. CONTROL JOINT FOR SIDEWALK TO BE PLACED EVERY 5'
2. EXPANSION JOINT FOR APRON/SIDEWALK TO BE LOCATED EVERY 50'
3. ½" EXPANSION JOINT MATERIAL TO BE PLACED BETWEEN ALL INTERIOR AND EXTERIOR CONCRETE SLABS



B4 MEDIUM BROOM FINISH
NOT TO SCALE



A2 HANDICAP SIGNAGE STANDARDS
NOT TO SCALE



A4 HANDICAP PARKING STALL DETAIL
NOT TO SCALE

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APPROVED:

DETAILS

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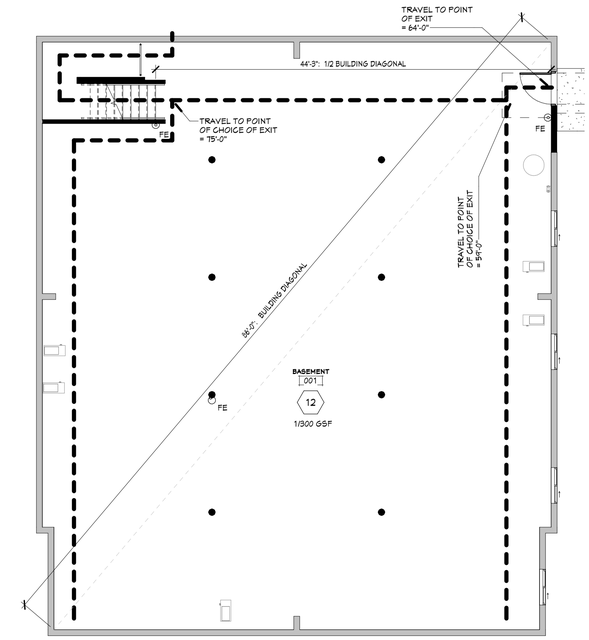
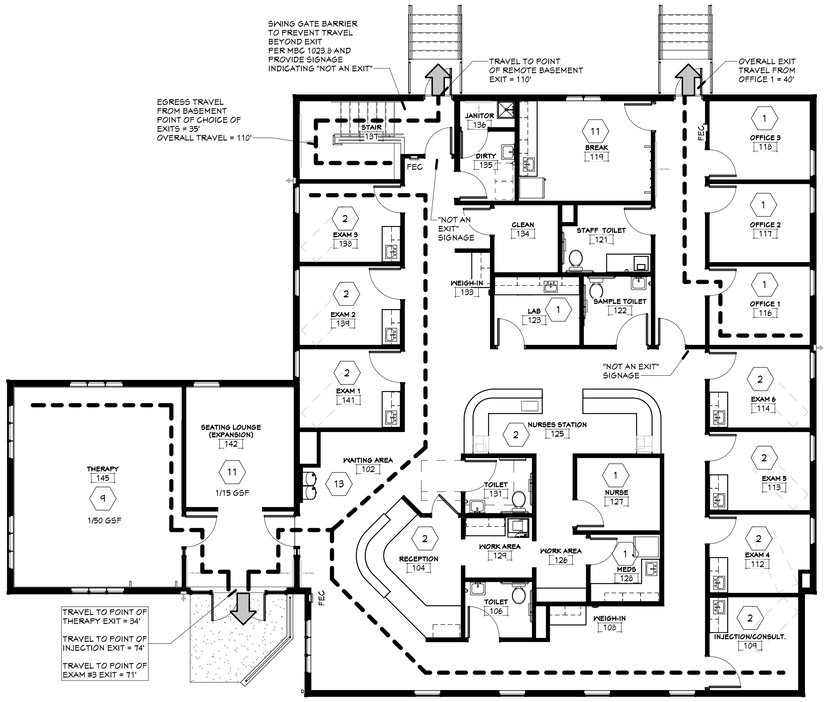


BASEMENT CODE COMPLIANCE PLAN

1/8" = 1'-0"



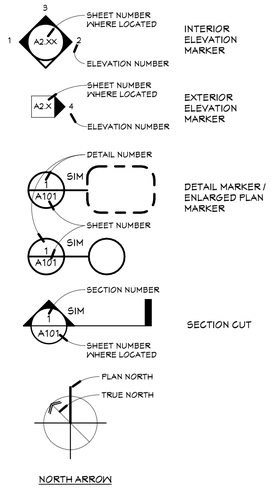
FIRST FLOOR CODE COMPLIANCE PLAN

1/8" = 1'-0"

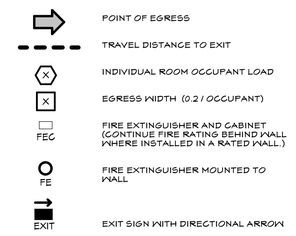
TYPICAL ABBREVIATIONS

ACP	ACOUSTICAL CEILING PANELS
AFF	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
ANOD	ANODIZED
BF	BARRIER FREE
BO	BOTTOM OF
BOS	BOTTOM OF STEEL
BRG	BEARING
BSMT	BASEMENT
CG	CORNER GUARD
CJ	CONTROL JOINT
CLG	CEILING
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
COMB	COMBUSTIBLE
CONC	CONCRETE
CPT	CARPET
D	DRYER
DF	DRINKING FOUNTAIN
DIV	DIVISION
DS	DOWNSPOUT
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
ELEV	ELEVATION
EM	ENTRANCE MAT
EP	ELECTRICAL PANEL
EPT	EPOXY PAINT
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISHED FLOOR
FHC	FIRE HOSE CABINET
FND	FOUNDATION
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GMU	GLAZED MASONRY UNIT
GWB	GYPSUM WALLBOARD
HC	HOLLOW CORE
HDCP	HANDICAP, HANDICAPPED
HDWD	HARDWOOD
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HTG	HEATING
HVAC	HEATING, VENTILATION, AND AIR CONDITIONING
INSUL	INSULATING, INSULATION
JC	JANITOR CLOSET
LIN	LINOLEUM
LLV	LONG LEG VERTICAL
LP	LOW POINT
MB	MARKER BOARD
MECH	MECHANICAL
MFR	MANUFACTURER
MO	MASONRY OPENING
MTD	MOUNTED
PCT	PORCELAIN CERAMIC TILE
PLAM	PLASTIC LAMINATE
PNT	PAINT
PR	PAIR
PRE-ENG	PRE-ENGINEERED
PRE-FIN	PRE-FINISHED
PT	PRESSURE TREATED
QT	QUARRY TILE
R	RISER
RB	RUBBER BASE
RD	ROOF DRAIN
REF	REFRIGERATOR
REINF	REINFORCED, REINFORCING, REINFORCEMENT
RF	RUBBER FLOORING
RFT	RUBBER FLOOR TILE
RO	ROUGH OPENING
SB	SMART BOARD
SC	SOLID CORE
SCONC	SEALED CONCRETE
SQ	SQUARE
SS	SOLID SURFACE
SSTL	STAINLESS STEEL
ST	STAIN
SUSP	SUSPENDED
SV	SHEET VINYL
T	TREAD
T&G	TONGUE AND GROOVE
TB	TACKBOARD
TC	TRAFFIC COATING
TEMP	TEMPERED
TERR	TERRAZZO
TOB	TOP OF BEAM
TOF	TOP OF FOUNDATION, TOP OF FOOTING
TOJ	TOP OF JOIST
TOS	TOP OF STEEL
TOW	TOP OF WALL
UL	UNDERWRITER-S LABORATORY
VB	VINYL BASE
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VTR	VENT THRU ROOF
VYG	VINYL WALLGOVERING
W	WASHER
WR	WATER RESISTANT
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH

TYPICAL SYMBOLOGY



CODE COMPLIANCE PLAN LEGEND



CODE SUMMARY

PROJECT DESCRIPTION:	BUILDING USE: MEDICAL CLINIC NUMBER OF BUILDINGS AND NUMBER OF STORIES: 1 STRUCTURE, 1 STORY OVERALL BUILDING AREA(S): 4,457 SQ FT (FIRST FLOOR); 3,701 SF (BASEMENT) CONSTRUCTION MATERIALS FLOORS/WALLS/ROOF FRAMING: WOOD FRAME FLOOR STRUCTURE OVER EXISTING CONCRETE BASEMENT - CONCRETE SLAB ON GRADE AT ADDITION, INSULATED WOOD FRAMED WALLS WITH CONTINUOUS INSULATION AND WOOD TRUSSES EXTERIOR WALL MATERIALS: PLASTIC SIDING AND TRIM, INSULATED VINYL WINDOWS, ALUMINUM STOREFRONT ROOFING MATERIALS: ASPHALT SHINGLES, METAL DRIP EDGE, METAL FINISH FASCIA, PERFORATED METAL SOFFIT
AFFLICABLE CODES:	2015 MICHIGAN BUILDING CODE 2015 MICHIGAN MECHANICAL CODE 2015 MICHIGAN PLUMBING CODE 2015 NEC WITH PART 8 DELEG ELECTRICAL CODE RULES 2009 ICC/ANSI A117.1 2015 MICHIGAN UNIFORM ENERGY CODE
USE GROUP: (MBC 304.1)	BUSINESS GROUP B STORAGE GROUP S1
CONSTRUCTION TYPE: (MBC 602.5)	TYPE VB CONSTRUCTION
AUTOMATIC SPRINKLER SYSTEM: (MBC T-504.3	NONE REQUIRED NONE PROVIDED
ALLOWABLE BUILDING HEIGHT: (MBC T-504.3, T-504.4)	B: 40' ABOVE GRADE PLANE B: 2 STORIES ABOVE GRADE PLANE
ACTUAL BUILDING HEIGHT:	14' ABOVE GRADE PLANE TO MIDPOINT OF HIGHEST ROOF 1 STORY ABOVE GRADE PLANE BUILDING IS WITHIN LIMITS
ALLOWABLE FLOOR AREA: FOR USE GROUPS B AND S-1 (MBC 506.1.3, T-506.2	FIRST FLOOR: 9,000 SF FOR B USE AND BASEMENT: 9,000 SF S-1 USE
ALLOWABLE AREA FACTOR: (MBC 506.3)	NOT NEEDED TO MEET AREA COMPLIANCE
ACTUAL BUILDING AREA:	FIRST FLOOR: 4,457 SF BASEMENT: 3,701 SF BUILDING IS WITHIN LIMITS
SEPARATION OF OCCUPANCIES: (MBC 508.3)	N/A
INCIDENTAL USES: (MBC T-509)	N/A
FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS: (MBC T-601)	PRIMARY STRUCTURAL FRAME: 0 HOUR BEARING WALLS EXTERIOR: 0 HOUR INTERIOR: 0 HOUR ROOF CONSTRUCTION: 0 HOUR
FIRE RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCES (TABLE 602):	N/A
FIRE WALLS: (MBC 706.1)	N/A
FIRE BARRIERS: (MBC 707.1)	SHAFT ENCLOSURES (707.3.1/713.4): N/A INTERIOR EXIT STAIRWAY AND RAMP CONSTRUCTION (707.3.2/1023): N/A - PER MBC 712.1.9 EXIT ACCESS STAIRWAY ENCLOSURE (707.3.9/1023): N/A EXIT PASSAGEWAY (707.3.4/1024.5): N/A HORIZONTAL EXIT (707.3.5): N/A ATRIUMS (707.3.6): N/A INCIDENTAL USES (707.3.7/TABLE 508): SEE ABOVE CONTROL AREAS (707.3.8/414.2.4): N/A SEPARATED OCCUPANCIES (707.3.9/TABLE 508.4): SEE ABOVE FIRE AREAS (707.3.10/TABLE 707.3.10): N/A
FIRE PARTITIONS (708):	SEPARATION WALLS REQUIRED BY 420.2: N/A WALLS SEPARATING TENANT SPACES REQUIRED BY 402.4.2.1: N/A CORRIDOR WALLS (TABLE 1020.1): 0 HOUR WITH SPRINKLER ELEVATOR LOBBY SEPARATIONS REQUIRED BY 3006.2: N/A EGRESS BALCONIES REQUIRED BY 1019.2: N/A
SMOKE BARRIERS (709.3):	N/A
SMOKE PARTITIONS (710.3):	N/A
HORIZONTAL ASSEMBLIES (711):	SEPARATING MIXED OCCUPANCIES (711.2.4.1): N/A SEPARATING FIRE AREAS (711.2.4.2): N/A DWELLING UNITS AND SLEEPING UNITS (711.2.4.3): N/A SEPARATING SMOKE COMPARTMENTS (711.2.4.4/704): N/A
FIRE-RESISTIVE JOINT SYSTEMS (715.1):	JOINTS INSTALLED IN OR BETWEEN FIRE-RESISTANCE-RATED WALLS, FLOOR OR FLOOR/CEILING ASSEMBLIES AND ROOFS OR ROOF/CEILING ASSEMBLIES SHALL BE PROTECTED BY AN APPROVED FIRE-RESISTIVE JOINT SYSTEM DESIGNED TO RESIST THE PASSAGE OF FIRE FOR A TIME PERIOD NOT LESS THAN THE REQUIRED FIRE-RESISTANCE RATING OF THE WALL, FLOOR, OR ROOF IN OR BETWEEN WHICH THE SYSTEM IS INSTALLED. FIRE-RESISTIVE JOINT SYSTEMS SHALL BE TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF EITHER ASTM E1966 OR UL 2079.
FIRE-RESISTIVE JOINT SYSTEMS IN SMOKE BARRIERS (715.6):	N/A
INTERIOR FINISHES (TABLE 803.11):	FLAME SPREAD: / B BUSINESS / S-1 STORAGE CORRIDORS AND ENCLOSURES FOR EXIT ACCESS STAIRWAY: CLASS B / CLASS B ROOMS & ENCLOSED SPACES: CLASS C / CLASS C
FIRE ALARM AND DETECTION SYSTEMS (907):	N/A
OCCUPANT LOAD (TABLE 1004.1.2):	MAIN BUILDING: B BUSINESS: 4,457/100 = 45 OCCUPANTS S-1 STORAGE: 3,701/300 = 13 OCCUPANTS
MINIMUM WIDTH AT STAIRWAYS (1005.3.1, 1011.2 EXC. 1):	REQUIRED: 36" PROVIDED: 48"
MINIMUM WIDTH AT OTHER EGRESS COMPONENTS (1005.3.2):	REQUIRED: .15 X (314) = 47.1 INCHES PROVIDED: 48 INCHES
MINIMUM NUMBER OF EXITS (1006):	REQUIRED: 2 AT BASEMENT, 1 AT FIRST FLOOR PROVIDED: 2 AT BASEMENT, 3 AT FIRST FLOOR
COMMON PATH OF TRAVEL (TABLE 1006.2.1):	REQUIRED: B: 75 FEET PROVIDED: 75' & 54' FEET AT BASEMENT, NONE FIRST FLOOR PROVIDED IS WITHIN LIMITS
EXIT ACCESS TRAVEL DISTANCE (TABLE 1017.2):	REQUIRED: B: 200 FEET PROVIDED: 128 FEET, PROPOSED IS WITHIN LIMITS
MINIMUM CORRIDOR WIDTH (TABLE 1020.2):	REQUIRED: 44 INCHES , 36 INCHES WHERE OCCUPANCY IS LESS THAN 50 PROVIDED: VARIES BUILDING IS WITHIN LIMITS
DEAD END CORRIDORS (1020.4):	REQUIRED: 20 FEET PROVIDED: NO DEAD END CORRIDORS
TOILET FIXTURE COUNT: (PER MPC -TABLE 403.1) COUNTS ARE BASED FOR WATER CLOSETS- ALL RESTROOMS WILL BE SINGLE USE)	REQUIRED: 1 MEN, 1 WOMEN PROVIDED: 1 MEN, 1 WOMEN, 1 STAFF, 1 SAMPLE (USE GROUP): (XXX OCCUPANTS) REQUIREMENTS: 1 PER XX = XX FOR (USE GROUP) BUSINESS: (45 OCCUPANTS) REQUIREMENTS: 1 PER 25 FOR THE FIRST 50 AND 1 PER 50 FOR THE REMAINDER

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Hooker DeJong Inc
ARCHITECTS + ENGINEERS + PLANNERS
316 Morris Avenue
Suite 410
Muskegon, MI 49440
P 231.722.3407
F 231.722.2589

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W17530 MAIN ST., CURTIS, MI 49820

HELEN NEWBERRY JOY HOSPITAL

Project Number	4-1274

ISSUANCE

No.	Date	Description
3	2021.04.21	PERMITS
4	2021.05.19	BIDS

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CODE SUMMARY AND CODE COMPLIANCE PLANS

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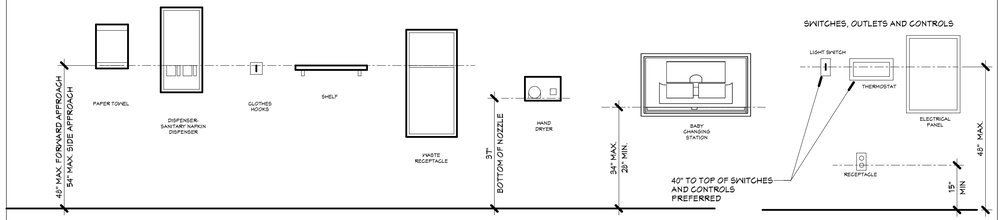
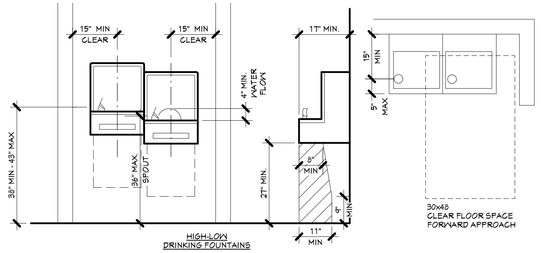


TOILET ROOM ACCESSORIES

ANSI 2009 MOUNTING HEIGHTS

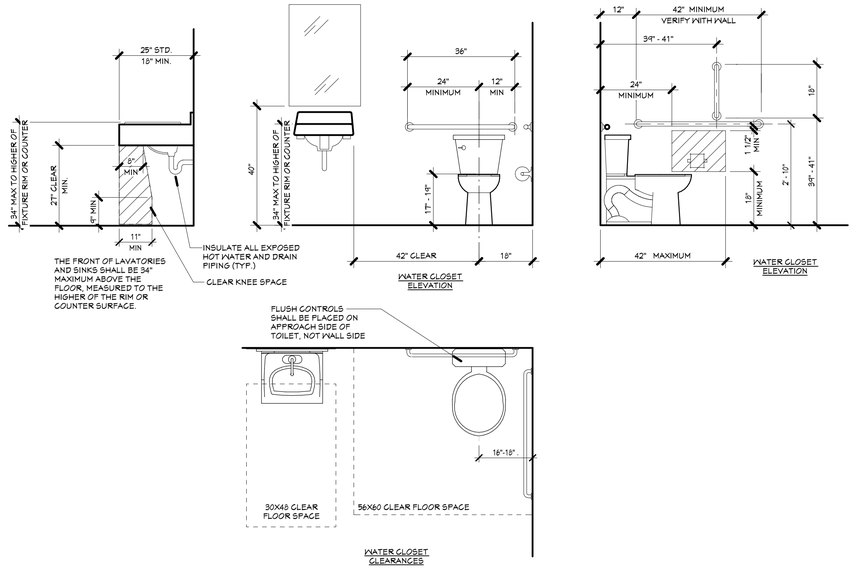
1. MOUNTING HEIGHTS ARE BASED ON OBSTRUCTED AND UNOBSTRUCTED REACH REQUIREMENTS AS OUTLINED IN ICC/ANSI A117.1-2009 IN SECTIONS 308 AND 309.
2. MOUNTING HEIGHTS SHOWN HEREIN ARE FOR ALL OPERABLE PARTS, CONTROLS, DEVICES, ETC WHICH REQUIRE THE USE OF A SINGLE HAND TO ACCESS/OPERATE.
3. PROVIDE CLEAR FLOOR SPACE OF 30X48 AT ALL CONTROLS, DEVICES, ETC TO BE ACCESSED BY A FORWARD OR PARALLEL APPROACH.
4. HEIGHT REQUIREMENTS SHOWN DO NOT APPLY TO RECEPTACLES NOT NORMALLY INTENDED FOR USE BY OCCUPANT.
5. OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING OR TWISTING OF THE WRIST.
6. LIGHTING CONTROLS, ELECTRICAL SWITCHES AND RECEPTACLE OUTLETS, ENVIRONMENTAL CONTROLS, ELECTRICAL PANELBOARD AND USER CONTROLS FOR SECURITY OR INTERCOM SYSTEMS SHALL COMPLY WITH ACCESSIBLE REACH RANGES (SECTIONS 309.2 AND 309.3).



HIGH-LOW DRINKING FOUNTAINS

ANSI 2009 DRINKING FOUNTAIN

1. ALL ACCESSIBLE DRINKING FOUNTAINS SHALL COMPLY WITH SECTION 602 AND 307.
2. A CLEAR FLOOR SPACE OF 30X48 POSITIONED IN THE FORWARD APPROACH SHALL BE PROVIDED. KNEE AND TOE SPACE SHALL COMPLY WITH SECTION 306. CLEAR FLOOR SPACE SHALL BE CENTERED ON THE DRINKING FOUNTAIN
3. SPOUT OUTLET HEIGHT OF THE LOWER DRINKING FOUNTAIN SHALL BE 36 INCHES AFF. SPOUT OUTLET OF DRINKING FOUNTAINS FOR STANDING PERSON SHALL BE 38 INCHES MIN AND 43 INCHES MAX AFF.
4. SPOUT LOCATION SHALL BE LOCATED 15 INCHES MIN FROM THE VERTICAL SUPPORT AND 5 INCHES MAX FROM THE FRONT EDGE OF THE DRINKING FOUNTAIN.
5. DRINKING FOUNTAINS WHICH PROTRUDE INTO CIRCULATION PATHS SHALL COMPLY WITH 307. WING WALLS SHALL SURROUND DRINKING FOUNTAIN 15 INCHES MIN OFF CENTER OF FOUNTAIN.



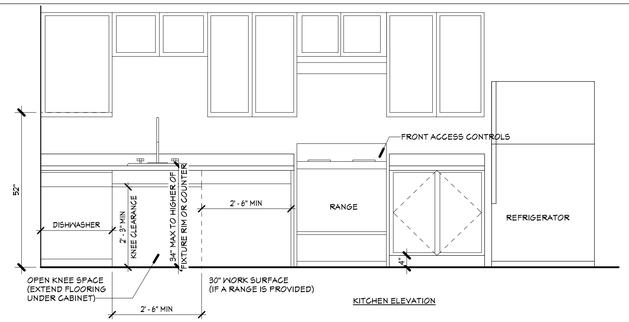
WATER CLOSET CLEARANCES

ANSI 2009 WATER CLOSETS

1. ACCESSIBLE WATER CLOSETS AND TOILET COMPARTMENTS SHALL COMPLY WITH SECTION 604. COMPARTMENTS CONTAINING MORE THAN ONE PLUMBING FIXTURE SHALL COMPLY WITH SECTION 603. WHEELCHAIR ACCESSIBLE COMPARTMENTS SHALL COMPLY WITH SECTION 604.9. AMBULATORY ACCESSIBLE COMPARTMENTS SHALL COMPLY WITH SECTION 604.10.
2. THE WATER CLOSET SHALL BE LOCATED WITH A WALL OR PARTITION TO THE REAR AND TO ONE SIDE. THE CENTERLINE OF THE WATER CLOSET SHALL BE 16 INCHES MINIMUM AND 18 INCHES MAXIMUM FROM THE SIDE WALL OR PARTITION.
3. CLEARANCE AROUND A WATER CLOSET SHALL BE 60 INCHES MINIMUM IN WIDTH, MEASURED PERPENDICULAR FROM THE SIDEWALL.
4. CLEARANCE AROUND THE WATER CLOSET SHALL BE 56 INCHES MINIMUM IN DEPTH, MEASURED PERPENDICULAR FROM THE REAR WALL.
5. THE REQUIRED CLEARANCE AROUND THE WATER CLOSET SHALL BE PERMITTED TO OVERLAP THE WATER CLOSET, ASSOCIATED GRAB BARS, PAPER DISPENSERS, SANITARY NAPKIN RECEPTACLES, COAT HOOKS, SHELVES, ACCESSIBLE ROUTES, CLEAR FLOOR SPACE AT OTHER FIXTURES AND THE TURNING SPACE. NO OTHER FIXTURES OR OBSTRUCTIONS SHALL BE WITHIN THE REQUIRED WATER CLOSET CLEARANCE.
6. THE HEIGHT OF WATER CLOSET SEATS SHALL BE 17 INCHES MINIMUM AND 19 INCHES MAXIMUM ABOVE THE FLOOR, MEASURED TO THE TOP OF THE SEAT. SEATS SHALL NOT BE SPRUNG TO RETURN TO A LIFTED POSITION.
7. GRAB BARS FOR WATER CLOSETS SHALL COMPLY WITH SECTION 609 AND SHALL BE PROVIDED IN ACCORDANCE WITH SECTIONS 604.5.1 AND 604.5.2. GRAB BARS SHALL BE PROVIDED ON THE REAR WALL AND ON THE SIDE WALL CLOSEST TO THE WATER CLOSET.
8. FIXED SIDE-WALL GRAB BARS SHALL BE 42 INCHES MINIMUM IN LENGTH, LOCATED 12 INCHES MAXIMUM FROM THE REAR WALL AND EXTENDING 54 INCHES MINIMUM FROM THE REAR WALL. IN ADDITION, A VERTICAL GRAB BAR 18 INCHES MINIMUM IN LENGTH SHALL BE MOUNTED WITH THE BOTTOM OF THE BAR LOCATED 39 INCHES MINIMUM AND 41 INCHES MAXIMUM ABOVE THE FLOOR, AND WITH THE CENTER LINE OF THE BAR LOCATED 39 INCHES MINIMUM AND 41 INCHES MAXIMUM FROM THE REAR WALL.
9. THE REAR WALL GRAB BAR SHALL BE 36 INCHES MINIMUM IN LENGTH, AND EXTEND FROM THE CENTERLINE OF THE WATER CLOSET 12 INCHES MINIMUM ON THE SIDE CLOSEST TO THE WALL, AND 24 INCHES MINIMUM ON THE TRANSFER SIDE.
10. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL COMPLY WITH SECTION 309. FLUSH CONTROLS SHALL BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET.
11. TOILET PAPER DISPENSERS SHALL COMPLY WITH SECTION 309.4. WHERE THE DISPENSER IS LOCATED ABOVE THE GRAB BAR, THE OUTLET OF THE DISPENSER SHALL BE LOCATED WITHIN AN AREA 24 INCHES MINIMUM AND 36 INCHES MAXIMUM FROM THE REAR WALL. WHERE THE DISPENSER IS LOCATED BELOW THE GRAB BAR, THE OUTLET OF THE DISPENSER SHALL BE LOCATED WITHIN AN AREA 24 INCHES (610 MM) MINIMUM AND 42 INCHES MAXIMUM FROM THE REAR WALL. THE OUTLET OF THE DISPENSER SHALL BE LOCATED 19 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FLOOR. DISPENSERS SHALL COMPLY WITH SECTION 604.3. DISPENSERS SHALL NOT BE OF A TYPE THAT CONTROL DELIVERY, OR DO NOT ALLOW CONTINUOUS PAPER FLOW.

ANSI 2009 LAVATORIES

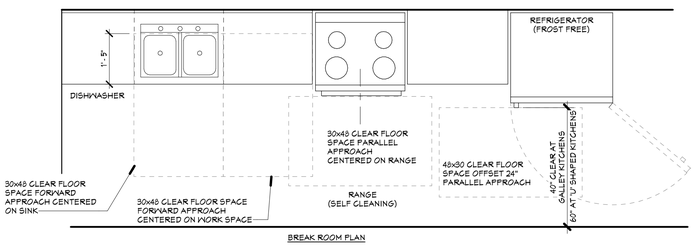
1. ACCESSIBLE LAVATORIES AND SINKS SHALL COMPLY WITH SECTION 606.
2. A CLEAR FLOOR SPACE COMPLYING WITH SECTION 305.3, POSITIONED FOR FORWARD APPROACH, SHALL BE PROVIDED. KNEE AND TOE CLEARANCE COMPLYING WITH SECTION 306 SHALL BE PROVIDED. THE DIP OF THE OVERFLOW SHALL NOT BE CONSIDERED IN DETERMINING KNEE AND TOE CLEARANCES.
3. THE FRONT OF LAVATORIES AND SINKS SHALL BE 34 INCHES MAXIMUM ABOVE THE FLOOR, MEASURED TO THE HIGHER OF THE RIM OR COUNTER SURFACE.
4. FAUCETS SHALL COMPLY WITH SECTION 309. HAND-OPERATED METERING FAUCETS SHALL REMAIN OPEN FOR 10 SEGONDS MINIMUM.
5. WATER SUPPLY AND DRAINPIPES UNDER LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES AND SINKS.



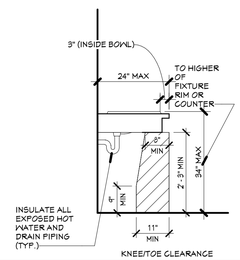
KITCHEN ELEVATION

ANSI 2009 KITCHENS

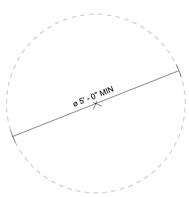
1. ACCESSIBLE KITCHENS AND KITCHENETTES TO MET ICC/ANSI A117.1-2009 SECTION 804.
2. ACCESSIBLE KITCHENS AND KITCHENETTES ARE DESIGNED WITH CLEAR FLOOR SPACES IN ACCORDANCE WITH ICC/ANSI REQUIREMENTS.
3. THERE IS NO REQUIREMENT FOR KITCHENS TO COMPLY WITH SECTION 405 FOR ACCESSIBLE STORAGE ELEMENTS. UPPER CABINETS DO NOT NEED TO BE WITHIN REACH RANGE.
4. PROVIDE REMOVABLE CABINET UNDER 30"MIN WORK SURFACE AND KITCHEN SINK. EXTEND UNDER CABINETRY AND THE WALLS BEHIND AND SURROUNDING THE CABINETRY ARE FINISHED.
5. EXPOSED PIPES UNDER SINK SHALL BE PROTECTED OR INSULATED AGAINST CONTACT. NO SHARP/ABRASIVE SURFACES ALLOWED.
6. PROVIDE RANGE/OVEN WITH FRONT PANEL CONTROLS.
7. REFRIGERATOR/FREEZERS SHALL HAVE AT LEAST 50% OR THE FREEZER SPACE WITHIN 54" MAX ABOVE FLOOR.
8. MICROWAVES TO BE COUNTERTOP MODELS. DO NOT INSTALL OVER THE RANGE.
9. REMOTE LOCATION OF EXHAUST FAN, FAN LIGHT, GARBAGE DISPOSAL SWITCHES TO LOCATION WITHIN REACH RANGE.
10. PROVIDE D TYPE WIRE PULL HANDLES AT ALL CABINETS.



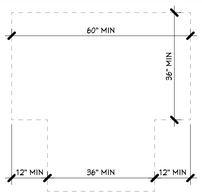
BREAK ROOM PLAN



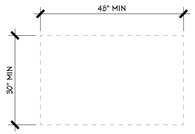
KNEE/TOE CLEARANCE



SIZE OF GIRGULAR TURNING SPACE

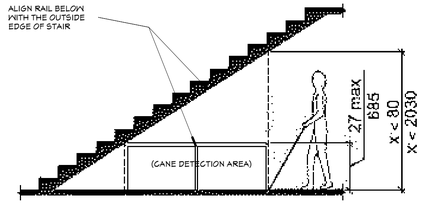


SIZE OF T- SHAPED TURNING SPACE



SIZE OF CLEAR FLOOR SPACE

CLEAR FLOOR SPACE AND TURNING SPACES



REDUCED VERTICAL CLEARANCE
IMAGE FROM 307.4 ANSI A117.1-2003 AND UFAS 4.4.2

ANSI 2009 GENERAL NOTES

1. ACCESSIBLE TOILET AND BATHING ROOMS SHALL COMPLY WITH SECTION 603.
2. A TURNING SPACE COMPLYING WITH SECTION 304 SHALL BE PROVIDED WITHIN THE ROOM. THE REQUIRED TURNING SPACE SHALL NOT BE PROVIDED WITHIN A TOILET COMPARTMENT.
3. DOORS SHALL NOT SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE FOR ANY FIXTURE. EXCEPTIONS: 1. DOORS TO A TOILET OR BATHING ROOM FOR A SINGLE OCCUPANT, ACCESSED ONLY THROUGH A PRIVATE OFFICE AND NOT FOR COMMON USE OR PUBLIC USE SHALL BE PERMITTED TO SWING INTO THE CLEAR FLOOR SPACE, PROVIDED THE SWING OF THE DOOR
4. WHERE MIRRORS ARE LOCATED ABOVE LAVATORIES, A MIRROR SHALL BE LOCATED OVER THE ACCESSIBLE LAVATORY AND SHALL BE MOUNTED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 40 INCHES (1015 MM) MAXIMUM
5. OPERABLE PARTS ON TOWEL DISPENSERS AND HAND DRYERS SERVING ACCESSIBLE LAVATORIES SHALL COMPLY WITH TABLE 603.6.
6. OPERABLE PARTS ON TOWEL DISPENSERS AND HAND DRYERS SERVING ACCESSIBLE LAVATORIES SHALL COMPLY WITH TABLE 603.6.

HDJ Hooker DeJong Inc
ARCHITECTS + ENGINEERS + PLANNERS

Hooker DeJong Inc
ARCHITECTS + ENGINEERS + PLANNERS
316 Morris Avenue
Suite 410
Muskegon, MI 49440
P 231.722.3407
F 231.722.2589

NEW CLINIC
HELEN NEWBERRY JOY MANISTIQUE LAKES
FAMILY CLINIC
W17530 MAIN ST., CURTIS, MI 49820

HELEN NEWBERRY JOY HOSPITAL

Project Number	4-1274

ISSUANCE

No.	Date	Description
3	2021.04.21	PERMITS
4	2021.05.19	BIDS

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ACCESSIBILITY REQUIREMENTS - ANSI 2009

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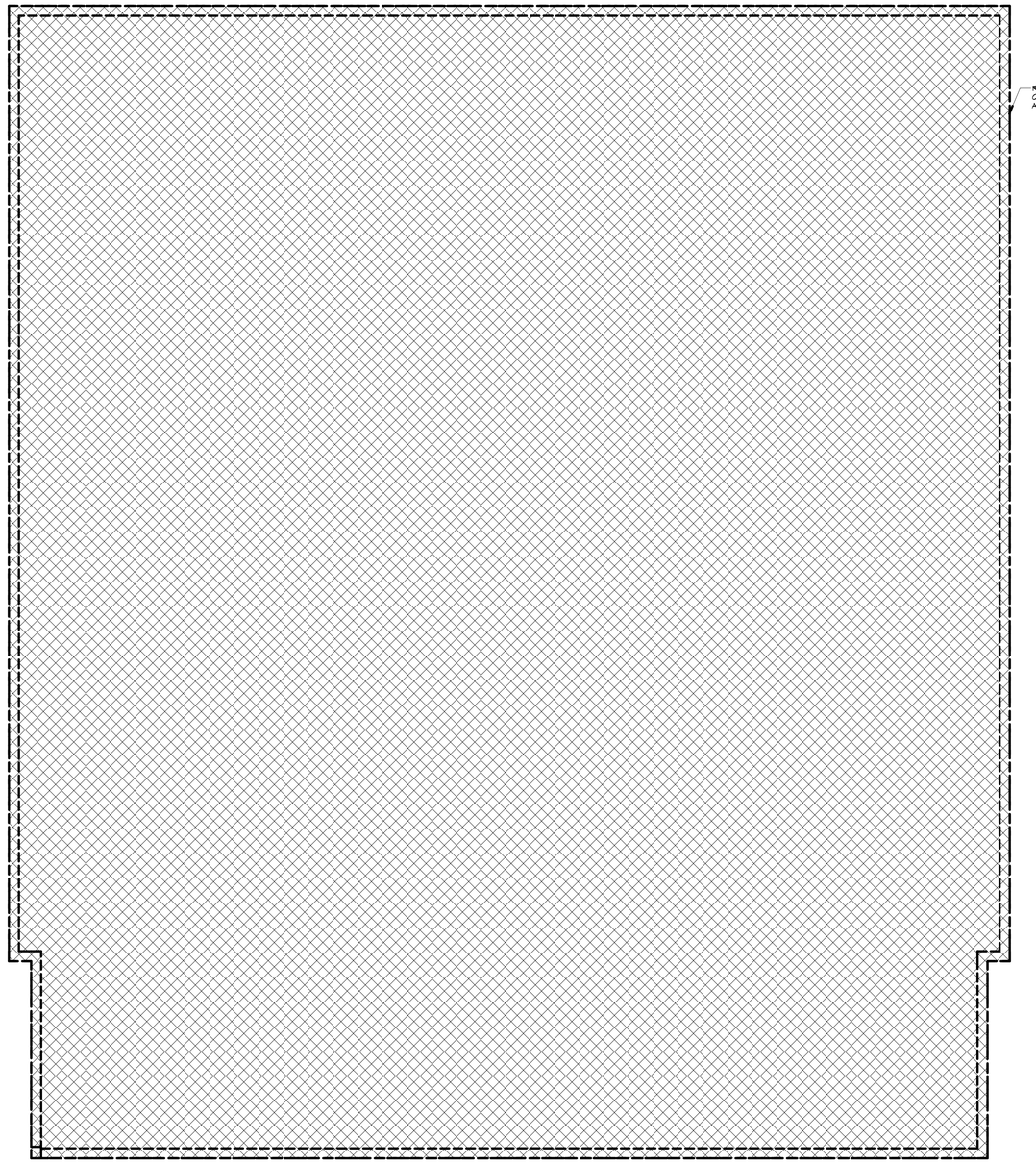

GENERAL DEMOLITION NOTES

1. THE DEMOLITION PLANS GENERALLY INDICATE AREAS OF EXTENSIVE REMOVALS AND DO NOT INDICATE ALL THE WORK. PERFORM ALL THE DEMOLITION NECESSARY FOR THE PROPER EXECUTION OF THE PROJECT, WHETHER OR NOT DEMOLITION IS SPECIFICALLY INDICATED WITHIN THE DOCUMENTS.
2. EXISTING BUILDING CONDITIONS BASED ON LIMITED FIELD VERIFICATION AND OWNER PROVIDED INFORMATION. SHOULD DISCREPANCIES OCCUR, NOTIFY ARCHITECT FOR CLARIFICATION.
3. BEGINNING WORK INDICATES THE CONTRACTOR HAS ACCEPTED AND VERIFIED FIELD CONDITIONS.
4. REFER TO OTHER ARCHITECTURAL, MECHANICAL, ELECTRICAL, STRUCTURAL OR CIVIL DRAWINGS FOR ADDITIONAL DEMOLITION ITEMS.
5. DEMOLITION CONTRACTOR IS TO STOP ALL WORK IMMEDIATELY IN AREA IF ASBESTOS IS ENCOUNTERED. NOTIFY OWNER OF SUSPECTED AREA SO PROPER ABATEMENT CAN BE DONE. (UNDER A SEPARATE ASBESTOS ABATEMENT CONTRACT AS NEGOTIATED BY OWNER).
6. ALL TRADES ARE TO COORDINATE ANY DEMOLITION, CAPPING OR ABANDONMENT OF EXISTING MECHANICAL, ELECTRICAL, PLUMBING OR ARCHITECTURAL ITEMS.
7. ALL ITEMS TO BE SALVAGED AND/OR RELOCATED, AS DIRECTED BY OWNER, ARE TO BE STORED IN A PROPER MANNER SO NO DAMAGE WILL OCCUR TO THESE ITEMS DURING THEIR STORAGE PERIOD. (COORDINATE STORAGE WITH OWNER).
8. ALL DEMOLITION, WHICH DAMAGES ADJACENT SURFACES, IS TO BE REPAIRED TO MATCH THE EXISTING SURFACE. DAMAGED (MATERIALS & FINISHES) AND ALL REPAIR WORK IS TO BE COORDINATED WITH NEW CONSTRUCTION.
9. FOR NEW OPENINGS IN EXISTING LOAD BEARING WALLS, COORDINATE NEW LINTELS WITH STRUCTURAL DRAWINGS.
10. ALL TRADES ARE TO COORDINATE THE REMOVAL OF EXISTING LOOSE AND FIXED (ANCHORED) EQUIPMENT WITH CONSTRUCTION MANAGER, TRANSITION PLAN AND/OR OWNER. UNLESS NOTED OTHERWISE, ALL LOOSE EQUIPMENT AND FIXTURES THAT ARE NOT INDICATED TO REMAIN, OR TO BE SALVAGED, REUSED OR RELOCATED IN NEW CONSTRUCTION SHALL BE REMOVED AS PART OF GENERAL DEMOLITION AND RETURNED TO THE OWNER AS DIRECTED

DEMOLITION LEGEND

FULL STRUCTURAL DEMOLITION FROM TOP OF FOUNDATION. MODULAR BUILDING AND FRAMED SUPPORT TO BE REMOVED IN ITS ENTIRETY, INCLUDING STRUCTURAL COLUMNS, BEAMS AND JOISTS. CONCRETE BASEMENT TO REMAIN.

REVIEW WITH OWNER SALVAGEABLE ITEMS FOR POTENTIAL RE-USE

FIRST FLOOR DEMOLITION PLAN

1/4" = 1'-0"

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Hooker DeJong Inc
ARCHITECTS + ENGINEERS + PLANNERS
316 Morris Avenue
Suite 410
Muskegon, MI 49440
P 231.722.3407
F 231.722.2589

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FIRST FLOOR DEMOLITION PLAN

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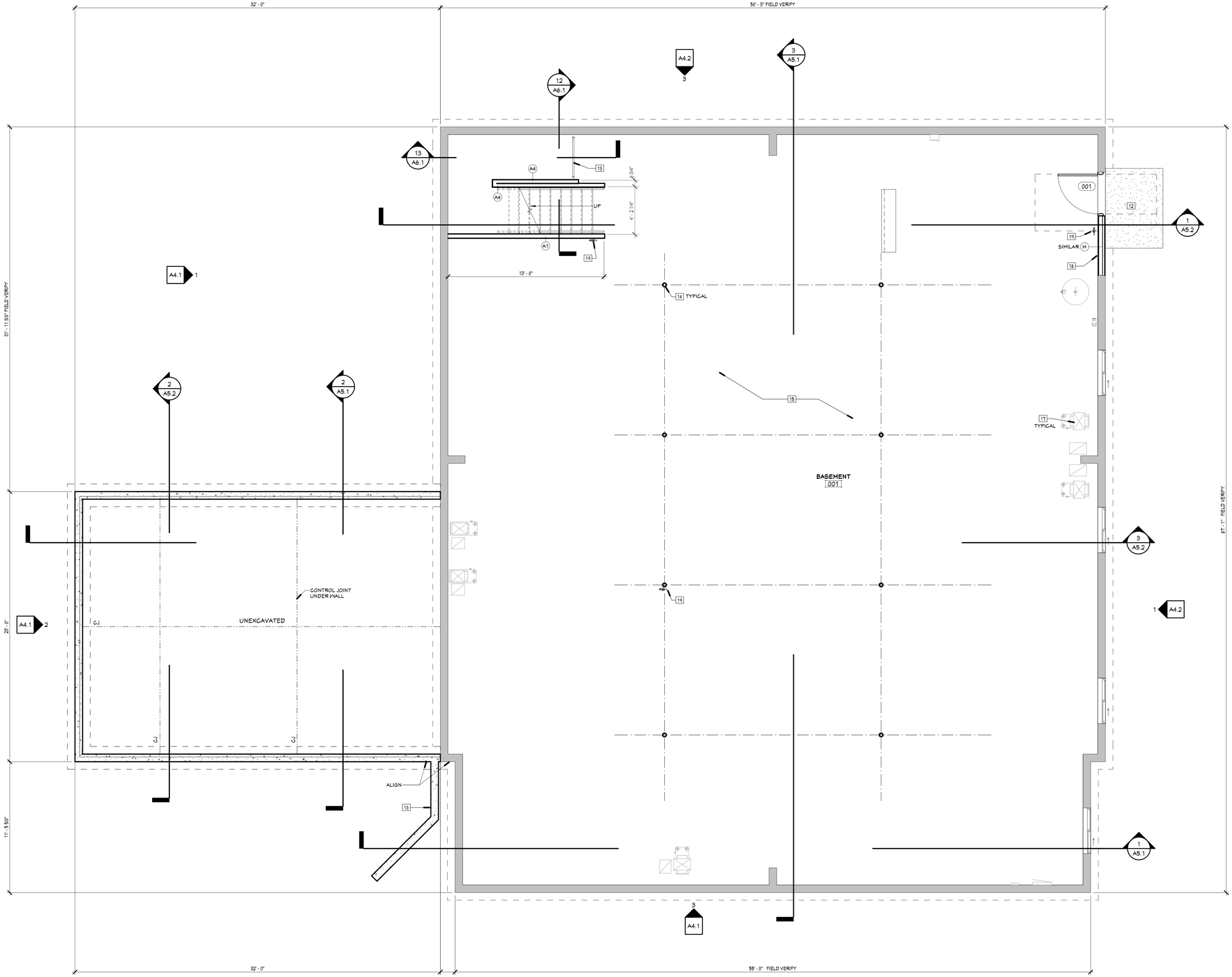

BASEMENT FLOOR PLAN

1/4" = 1'-0"

GENERAL NOTES

1. DO NOT SCALE DRAWINGS.
2. REVIEW CONTRACT DOCUMENTS (DRAWINGS AND SPECIFICATIONS) PRIOR TO COMMENCING WORK. INFORMATION REGARDING THE COMPLETE WORK IS DISPERSED THROUGHOUT THE DOCUMENTS AND CANNOT BE ACCURATELY DETERMINED WITHOUT REFERENCE TO THE COMPLETE SET OF CONTRACT DOCUMENTS.
3. WORK SHALL CONFORM TO THE INDICATED CODES AND LOCAL ORDINANCES IN EFFECT AT THE TIME OF ISSUANCE OF BUILDING PERMITS.
4. IF DISCREPANCIES EXIST IN THE DRAWINGS AND SPECIFICATIONS, THE MOST EXPENSIVE OPTION SHALL TAKE PRECEDENCE. IMMEDIATELY NOTIFY THE ARCHITECT OF DISCREPANCIES.
5. WHERE NO SPECIFIC DETAIL IS SHOWN, THE CONSTRUCTION TO BE ASSUMED TO BE SIMILAR TO THAT INDICATED OR NOTED FOR SIMILAR CONDITIONS OF CONSTRUCTION.
6. FURNISH AND INSTALL WITHOUT ADDITIONAL COST, MATERIAL OR LABOR NOT SHOWN ON DRAWINGS OR SPECIFIED THAT IS NECESSARY TO COMPLETE THE WORK AND COMPLY WITH APPLICABLE CODES.
7. UNFORSEEN CONDITIONS MAY EXIST. FIELD VERIFY EXISTING CONDITIONS TO DETAILS AND SPECIFICATIONS PRIOR TO ORDERING MATERIALS, FABRICATING, OR PERFORMING MODIFICATIONS. BECOME FAMILIAR WITH WORK EXTENTS PRIOR TO BID AND NOTIFY THE ARCHITECT FOR CLARIFICATION OF CONFLICTS OR INCONSISTENCES TO THE CONTRACT DOCUMENTS.
8. SUBCONTRACTOR COMMUNICATION TO THE ARCHITECT INSTEAD OF THROUGH THE GENERAL CONTRACTOR WILL BE NON-RESPONSIVE AND THE GENERAL CONTRACTOR WILL BE NOTIFIED.
9. MEANS AND METHODS ARE NOT THE RESPONSIBILITY OF THE ARCHITECT

GENERAL WALL CONSTRUCTION NOTES

1. ALL INTERIOR WALLS TO RUN TIGHT TO STRUCTURE ABOVE UNLESS OTHERWISE NOTED.
2. CONTROL JOINT SPACING ON INTERIOR WALL STUD GYPSUM BOARD WALLS SHALL NOT EXCEED 25 FT. LOCATE AT TOP CORNERS OF DOOR WHEN POSSIBLE. FIELD LOCATE AND APPROVE WITH GENERAL CONTRACTOR.
3. ALL INTERIOR WALLS SHALL BE TYPE A1 UNLESS OTHERWISE NOTED.
4. SEE STRUCTURAL DRAWINGS FOR BOND BEAM/LINTEL LOCATIONS.
5. SEE STRUCTURAL DRAWINGS FOR CONTROL JOINTS IN CMU WALLS.
6. USE MOISTURE- RESISTANT GYPSUM WALLBOARD IN ALL TOILET ROOMS, AND JANITOR CLOSETS WHERE GYPSUM WALLBOARD IS INDICATED.
7. PROVIDE BULLNOSED CMU AT ALL EXPOSED OUTSIDE CORNERS.
8. SEE STRUCTURAL FOR SHEER WALL LOCATIONS

FLOOR PLAN KEYNOTES

1. OWNER FURNISHED FURNITURE/EQUIPMENT
2. PROVIDE BLOCKING FOR FUTURE EQUIPMENT OR SHELVING
3. FRAMED OPENING WITH GYPSUM WALLBOARD JAMBS AND HEAD - 7'-2" CLEAR HEIGHT
4. SEMI-RECESSED FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER
5. WALL MOUNTED TV - COORDINATE WITH OWNER FOR FINAL LOCATION - PROVIDE APPROPRIATE BLOCKING
6. HAT SHELF WITH ROBE HOOKS BELOW - SEE ELEVATIONS
7. MIRRORS
8. CHASE - COORDINATE WITH MECHANICAL
9. ALIGN EXTERIOR FACE OF SHEATHING TO EXTERIOR FACE OF EXISTING CONCRETE BASEMENT WALL - TYPICAL
10. CONCRETE LANDING WITH RETAINING WALL AND METAL PIPE GUARDRAIL
11. WOOD DECK, STAIRS AND GUARDRAIL - SEE STRUCTURAL
12. 5'-0"X7'-0" CONCRETE PAD -
13. STEEL PIPE BARRIER - SCH T, PROVIDE PAINTED METAL PLATES W AGH - EPOXY INTO SLAB
14. COLUMNS (PAINT) AND FO AL FOR GRID LAYOUT, SIZES AND DETAI
15. EXISTING CONCRETE SLAB REQUIRED FROM DEMOLITION OF STRUCTUR R BUILDING, PLUMBING, MECHANICAL A CCURS. NOT SHOWN) AND
16. REMOVE OVERHEAD DOOR INFILL AS INDICATED
17. FURNACE - SEE MECHANIC
18. CONCRETE RETAINING WA NTS AND STRUCTURAL FOR DESIGN
19. FIRE EXTINGUISHER AND B
20. DOWNSPOUT

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BASEMENT FLOOR PLAN

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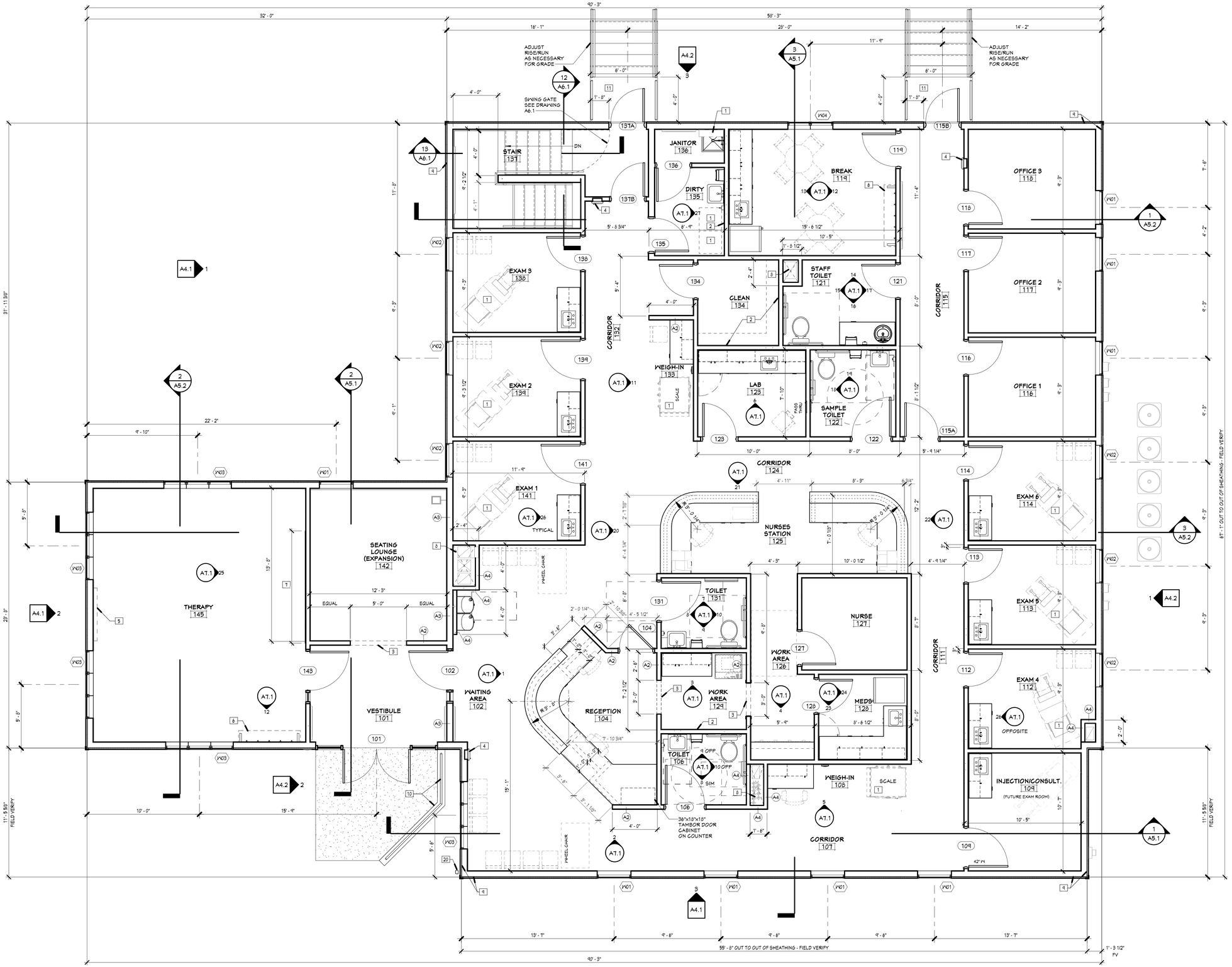

FIRST FLOOR PLAN

1/4" = 1'-0"

GENERAL NOTES

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FLOOR PLAN KEYNOTES

1. OWNER FURNISHED FURNITURE/EQUIPMENT
2. PROVIDE BLOCKING FOR FUTURE EQUIPMENT OR SHELVING
3. FRAMED OPENING WITH GYPSUM WALLBOARD JAMBS AND HEAD - T'-2" CLEAR HEIGHT
4. SEMI-RECESSED FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER
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6. HAT SHELF WITH ROBE HOOKS BELOW - SEE ELEVATIONS
7. MIRRORS
8. CHASE - COORDINATE WITH MECHANICAL
9. ALIGN EXTERIOR FACE OF SHEATHING TO EXTERIOR FACE OF EXISTING CONCRETE BASEMENT WALL - TYPICAL
10. CONCRETE LANDING WITH RETAINING WALL AND METAL PIPE GUARDRAIL
11. WOOD DECK, STAIRS AND GUARDRAIL - SEE STRUCTURAL
12. 9'-0"x7'-0" CONCRETE PAD - SEE STRUCTURAL
13. STEEL PIPE BARRIER - SCHEDULE 40, 24" HIGH, PAINT, PROVIDE PAINTED METAL PLATES WITH (4) ANCHOR BOLTS EACH - EPOXY INTO SLAB
14. COLUMNS (PAINT) AND FOOTINGS - SEE STRUCTURAL FOR GRID LAYOUT, SIZES AND DETAILING
15. EXISTING CONCRETE SLAB - PATCH AND REPAIR AS REQUIRED FROM DEMOLITION OF STRUCTURE, FIRST FLOOR MODULAR BUILDING, PLUMBING, MECHANICAL AND ELECTRICAL - AS IT OCCURS.
16. REMOVE OVERHEAD DOOR AND APPURTENANCES (NOT SHOWN) AND INFILL AS INDICATED
17. FURNACE - SEE MECHANICAL
18. CONCRETE RETAINING WALL - SEE CIVIL FOR EXTENTS AND STRUCTURAL FOR DESIGN
19. FIRE EXTINGUISHER AND BRACKET
20. DOWNSPOUT

Hooker DeJong Inc
ARCHITECTS + ENGINEERS + PLANNERS
316 Morris Avenue
Suite 410
Muskegon, MI 49440
P 231.722.3407
F 231.722.2589

NEW CLINIC
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W17530 MAIN ST., CURTIS, MI 49820
HELEN NEWBERRY JOY HOSPITAL

Project Number	4-1274
ISSUANCE	

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FIRST FLOOR PLAN

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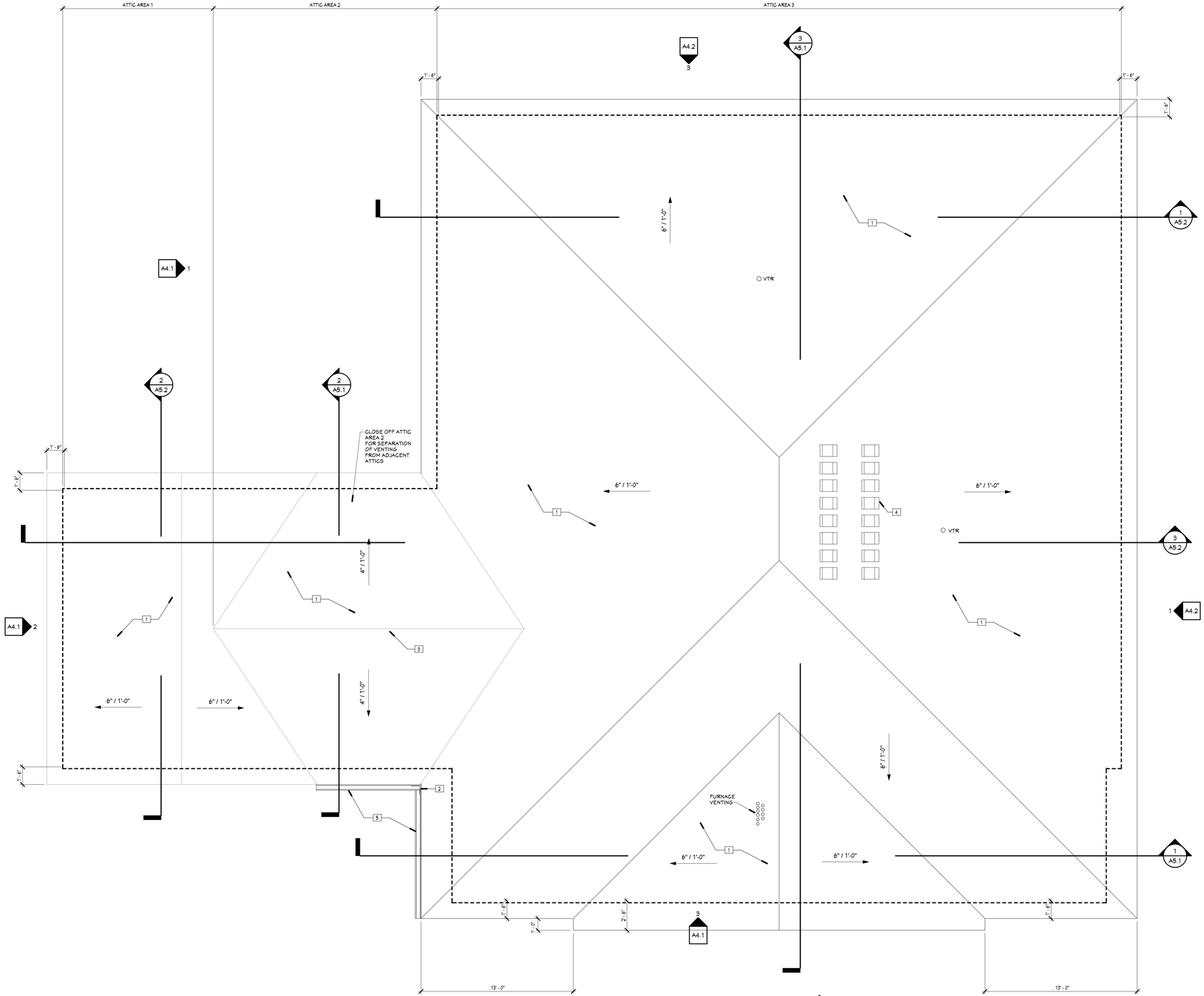


ROOF PLAN
1/4" = 1'-0"

GENERAL ROOF PLAN NOTES

1. ALL ROOF-MOUNTED EQUIPMENT AND FENETRATIONS ARE NOT SHOWN. COORDINATE QUANTITIES AND LOCATIONS WITH OTHER DISCIPLINES.
2. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR LOCATIONS OF EXHAUST FANS, RELIEF VENTS, THRU ROOF ETC. NOT SHOWN.

ROOF PLAN KEYNOTES

1. ASPHALT SHINGLE ROOF OVER UNDERLAYMENT
2. WATER DIVERTER
3. RIDGE VENT - TYPICAL
4. ROOF VENT LOUVER - TYPICAL
5. GUTTER AND DOWNSPOUT
6. LINE OF EXTERIOR FACE OF BUILDING BELOW

ROOF VENTILATION CALC'S

ROOF VENTILATION CALC'S PROVIDED BASED ON PLAN AREA.

FLYSEM VENTURA HIDDEN SOFFIT VENT
- PROVIDES 9 SQ. IN NET FREE AREA PER LIN. FT

GAF COBRA SNOW COUNTRY RIDGE VENT
- PROVIDES 18 SQ IN. NET FREE AREA PER LIN. FT

PROVIDE ROOF LOUVER, GAF RT-65 WHERE REQUIRED TO SUPPLEMENT RIDGE VENT. SEE BELOW.
ROOF LOUVER PROVIDES 60 SQ IN. NET FREE AREA PER LIN. FT

ATTIC AREA 1:
VENTILATION REQUIRED:
393 SF x 144 = 50,832 SI / 2 = 25,416 SI BALANCED
MBC 1203.2 EXC.: 1/300 NET FREE VENTILATION REQUIRED
25,416/300 - 85 SI NET FREE AREA EACH EAVE/RIDGE

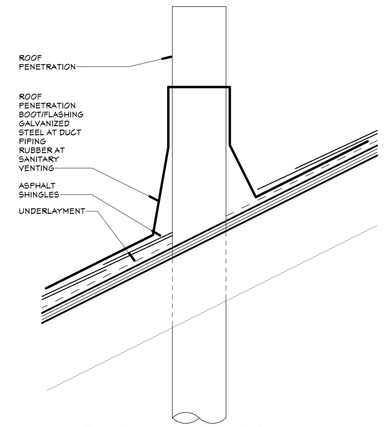
VENTILATION PROVIDED:
EAVE:
24 LF x 9 SI/LF = 216 SI NET FREE
RIDGE:
12 LF x 18 SI/LF = 216 SI NET FREE

ATTIC AREA 2:
VENTILATION REQUIRED:
416 SF x 144 = 59,904 SI / 2 = 29,952 SI BALANCED
MBC 1203.2 EXC.: 1/300 NET FREE VENTILATION REQUIRED
29,952/300 - 100 SI NET FREE AREA EACH EAVE/RIDGE

VENTILATION PROVIDED:
EAVE:
(2) 16 LF x 9 SF/LF = 288 SI NET FREE
RIDGE:
16 LF x 18 SI/LF = 288 SI NET FREE

ATTIC AREA 3:
VENTILATION REQUIRED:
3,942 SF x 144=567,648 SI / 2 = 283,842 SI BALANCED
MBC 1203.2 EXC.: 1/300 NET FREE VENTILATION REQUIRED
283,842/300 = 946 SI NET FREE AREA EACH EAVE/RIDGE

VENTILATION PROVIDED:
EAVE:
111'-3"+67'=110 LF x 9 SI/LF = 990 SI NET FREE
RIDGE:
16 ROOF LOUVERS x 60 SI EA = 960 SI NET FREE



TYPICAL ROOF PENETRATION DETAIL
2 / A1.2 — 3" = 1'-0"

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ARCHITECTS + ENGINEERS + PLANNERS
316 Morris Avenue
Suite 410
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ROOF PLAN

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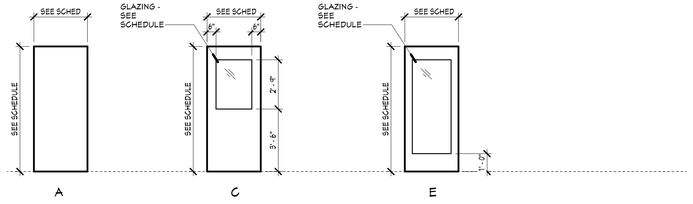
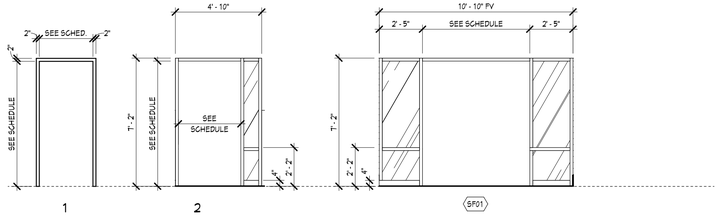


DOOR TYPES

NOT TO SCALE



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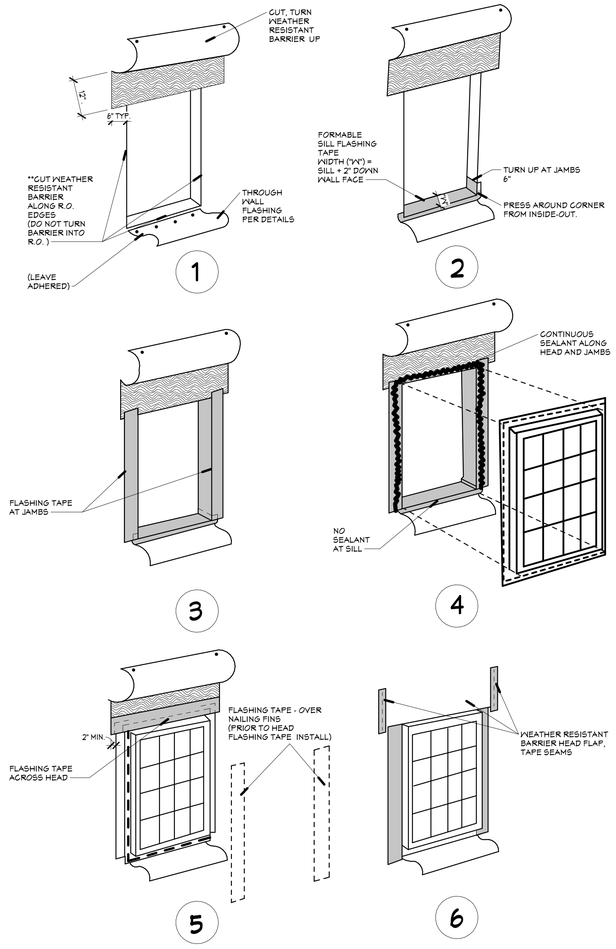
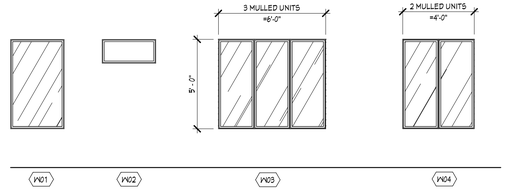


TYPICAL WINDOW FLASHING SEQUENCE



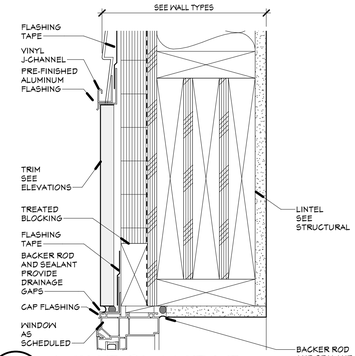
WINDOW TYPES

NOT TO SCALE

WINDOW SCHEDULE

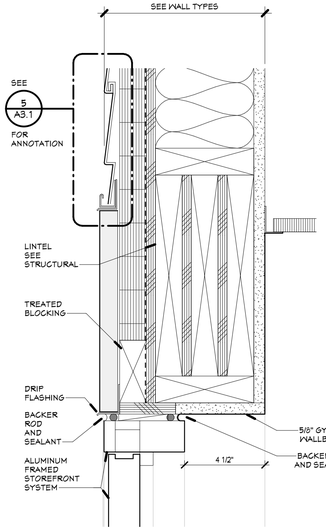
MARK	TYPE	HEIGHT	WIDTH	MATERIAL	GLAZING	REMARKS
W01	FIXED	5' - 0"	3' - 0"	VINYL	1" INSULATED	
W02	FIXED	1' - 4"	3' - 0"	VINYL	1" INSULATED	
W03	FIXED	5' - 0"	6'-0"	VINYL	1" INSULATED	
W04	FIXED	5' - 0"	4'-0"	VINYL	1" INSULATED	

GENERAL WINDOW NOTES:
1. SEE TYPICAL WINDOW HEAD AND SILL DETAILS



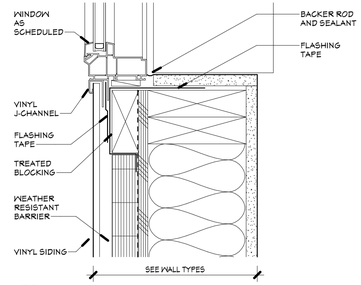
5 / A3.1 **WINDOW HEAD**

3" = 1'-0"



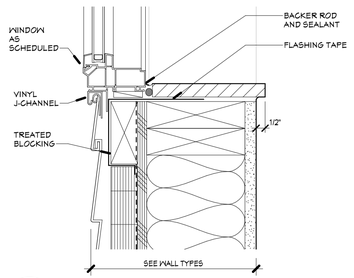
2 / A3.1 **HEAD DETAIL**

3" = 1'-0"



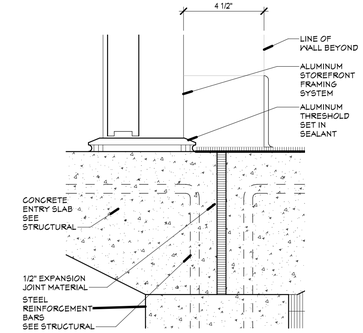
3 / A3.1 **WINDOW JAMB**

3" = 1'-0"



1 / A3.1 **WINDOW SILL**

3" = 1'-0"



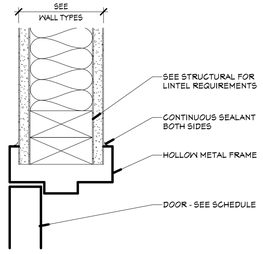
S1 SILL

3" = 1'-0"

DOOR SCHEDULE

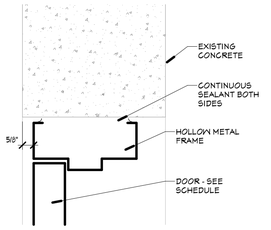
DOOR NO.	LOCATION	DOOR TYPE	NO. OF LEAVES	WIDTH	HEIGHT	THICKNESS	DOOR MATERIAL	DOOR FINISH	DOOR GLAZING	LABEL	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	DETAILS HEAD	DETAILS JAMB	DETAILS SILL	HDWR. SET	REMARKS	DOOR NO.
001	BASEMENT	A	1	3' - 6"	7' - 0"	1 3/4"	HM	FNT	-		1	HM	FNT-2	H1	J1			1	001
101	VESTIBULE	E	2	6' - 0"	7' - 0"	1 3/4"	ALUM	PRE-FIN	1" INSUL - SAFETY		SF01	ALUM	PRE-FIN	2		S1	AL1		101
102	VESTIBULE	E	1	3' - 6"	7' - 0"	1 3/4"	WD	STAIN	1/4" SAFETY		2	HM	STAIN	H2	J2/J3		-		102
104	RECEPTION	A	1	3' - 0"	7' - 0"	1 3/4"	WD	STAIN	-		1	HM	FNT-2	H2	J2		01		104
106	TOILET	A	1	3' - 6"	7' - 0"	1 3/4"	WD	STAIN	-		1	HM	FNT-2	H2	J2		02		106
109	INJECTION/CONSULT.	A	1	3' - 6"	7' - 0"	1 3/4"	WD	STAIN	-		1	HM	FNT-2	H2	J2		03		109
112	EXAM 4	A	1	3' - 0"	7' - 0"	1 3/4"	WD	STAIN	-		1	HM	FNT-2	H2	J2		03		112
113	EXAM 5	A	1	3' - 0"	7' - 0"	1 3/4"	WD	STAIN	-		1	HM	FNT-2	H2	J2		03		113
114	EXAM 6	A	1	3' - 0"	7' - 0"	1 3/4"	WD	STAIN	-		1	HM	FNT-2	H2	J2		03		114
115A	CORRIDOR	A	1	3' - 0"	7' - 0"	1 3/4"	WD	STAIN	-		1	HM	FNT-2	H2	J2		03		115A
115B	CORRIDOR	A	1	3' - 0"	7' - 0"	1 3/4"	HM	FNT	-		1	HM	FNT-2	H2	J2		03	1	115B
116	OFFICE 1	A	1	3' - 0"	7' - 0"	1 3/4"	WD	STAIN	-		1	HM	FNT-2	H2	J2		06		116
117	OFFICE 2	A	1	3' - 0"	7' - 0"	1 3/4"	WD	STAIN	-		1	HM	FNT-2	H2	J2		06		117
118	OFFICE 3	A	1	3' - 0"	7' - 0"	1 3/4"	WD	STAIN	-		1	HM	FNT-2	H2	J2		06		118
119	BREAK	C	1	3' - 0"	7' - 0"	1 3/4"	WD	STAIN	1/4" SAFETY		1	HM	FNT-2	H2	J2		07		119
121	STAFF TOILET	A	1	3' - 0"	7' - 0"	1 3/4"	WD	STAIN	-		1	HM	FNT-2	H2	J2		02		121
122	SAMPLE TOILET	A	1	3' - 6"	7' - 0"	1 3/4"	WD	STAIN	-		1	HM	FNT-2	H2	J2		02		122
123	LAB	C	1	3' - 0"	7' - 0"	1 3/4"	WD	STAIN	1/4" SAFETY		1	HM	FNT-2	H2	J2		05		123
127	NURSE	A	1	3' - 0"	7' - 0"	1 3/4"	WD	STAIN	-		1	HM	FNT-2	H2	J2		06		127
128	MEDS	A	1	3' - 0"	7' - 0"	1 3/4"	WD	STAIN	-		1	HM	FNT-2	H2	J2		12		128
131	TOILET	A	1	3' - 6"	7' - 0"	1 3/4"	WD	STAIN	-		1	HM	FNT-2	H2	J2		02		131
134	CLEAN	A	1	3' - 0"	7' - 0"	1 3/4"	WD	STAIN	-		1	HM	FNT-2	H2	J2		12		134
135	DIRTY	A	1	3' - 0"	7' - 0"	1 3/4"	WD	STAIN	-		1	HM	FNT-2	H2	J2		11		135
136	JANITOR	A	1	3' - 0"	7' - 0"	1 3/4"	WD	STAIN	-		1	HM	FNT-2	H2	J2		03		136
137A	STAIR	A	1	3' - 0"	7' - 0"	1 3/4"	HM	FNT	-		1	HM	FNT-2	H2	J2		04	1	137A
137B	STAIR	A	1	3' - 0"	7' - 0"	1 3/4"	WD	STAIN	-		1	HM	FNT-2	H2	J2		10		137B
138	EXAM 3	A	1	3' - 0"	7' - 0"	1 3/4"	WD	STAIN	-		1	HM	FNT-2	H2	J2		03		138
139	EXAM 2	A	1	3' - 6"	7' - 0"	1 3/4"	WD	STAIN	-		1	HM	FNT-2	H2	J2		03		139
141	EXAM 1	A	1	3' - 6"	7' - 0"	1 3/4"	WD	STAIN	-		1	HM	FNT-2	H2	J2		03		141
143	VESTIBULE	E	1	3' - 6"	7' - 0"	1 3/4"	WD	STAIN	1/4" SAFETY		2	HM	FNT-2	H2	J2/J3		-		143
Grand total: 30																			

REMARKS:
1. INSULATED DOOR WITH GROUT FILLED FRAME



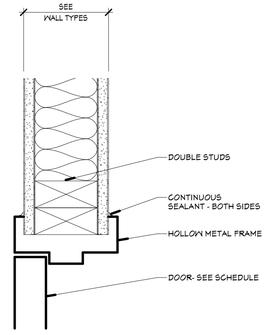
H2 HEAD

3" = 1'-0"



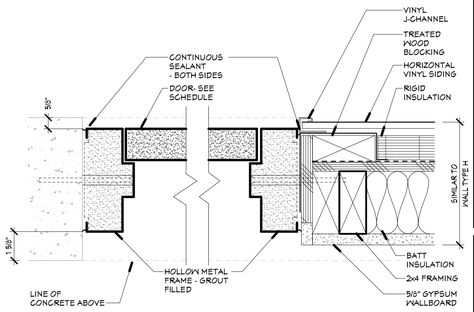
H1 HEAD

3" = 1'-0"



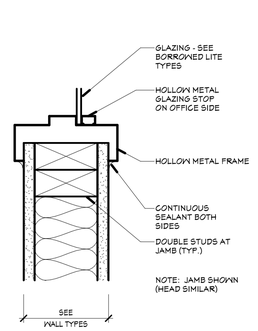
J2 JAMB

3" = 1'-0"



J1 JAMB

3" = 1'-0"



J3 JAMB

3" = 1'-0"

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ARCHITECTS + ENGINEERS + PLANNERS
316 Morris Avenue
Suite 410
Muskegon, MI 49440
P 231.722.3407
F 231.722.2589

NEW CLINIC
NEWBERRY JOY MANISTIQUE LAKES FAMILY CLINIC
W17530 MAIN ST., CURTIS, MI 49820

HELEN NEWBERRY JOY HOSPITAL

Project Number	4-1274

ISSUANCE

No.	Date	Description
3	2021.04.21	PERMITS
4	2021.05.19	BIDS

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DOOR SCHEDULE, DOOR AND WINDOW TYPES AND DETAILS

A3.1

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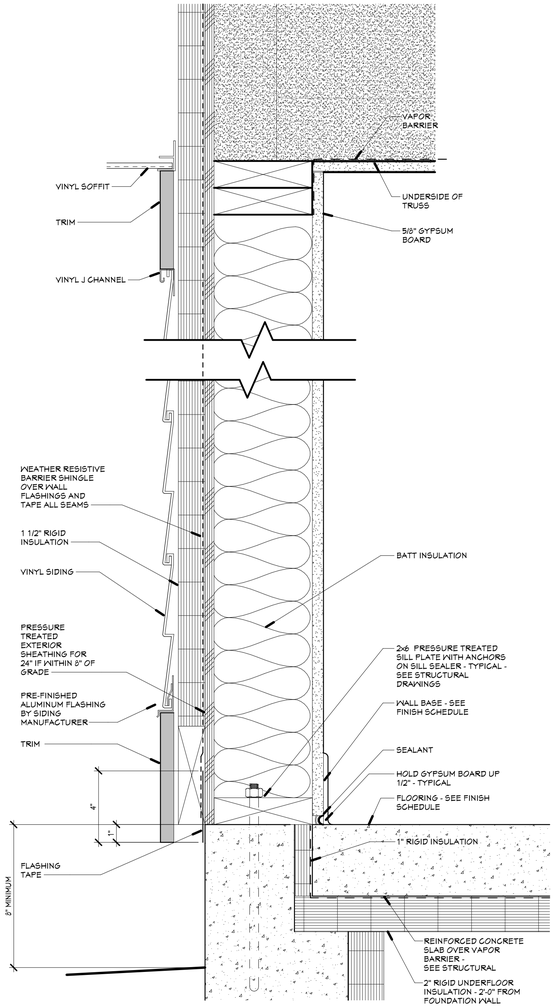
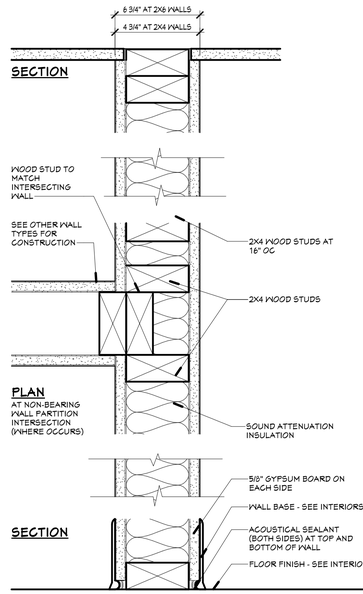


WALL TYPE H

3" = 1'-0"



A1	AS SHOWN, EXCEPT WITH SOUND BATT INSULATION AT BATHS ONLY	A5	SAME AS A1, EXCEPT WITH 2X6 STUDS
A2	AS SHOWN, EXCEPT WITH NO SOUND BATT INSULATION	A6	SAME AS A2, EXCEPT WITH 2X6 STUDS
A3	AS SHOWN WITH 2x6 STUDS	A7	SAME AS A3, EXCEPT WITH 2X6 STUDS
A4	AS SHOWN EXCEPT WITH GYPSUM WALLBOARD ON TAGGED SIDE ONLY	A8	SAME AS A4, EXCEPT WITH 2X6 STUDS

NOTES:
1. COORDINATE SHEAR WALL LOCATION WITH STRUCTURAL DRAWINGS - APPLY WALL SHEATHING AS DIRECTED ON STRUCTURAL DRAWINGS PRIOR TO APPLYING GYPSUM BOARD
2. TERMINATE TOP OF WALL AT UNDERSIDE OF FLOOR OR ROOF TRUSS ABOVE

WALL TYPE A

3" = 1'-0"

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ARCHITECTS + ENGINEERS + PLANNERS
316 Morris Avenue
Suite 410
Muskegon, MI 49440
P 231.722.3407
F 231.722.2589

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WALL TYPES

A3.4

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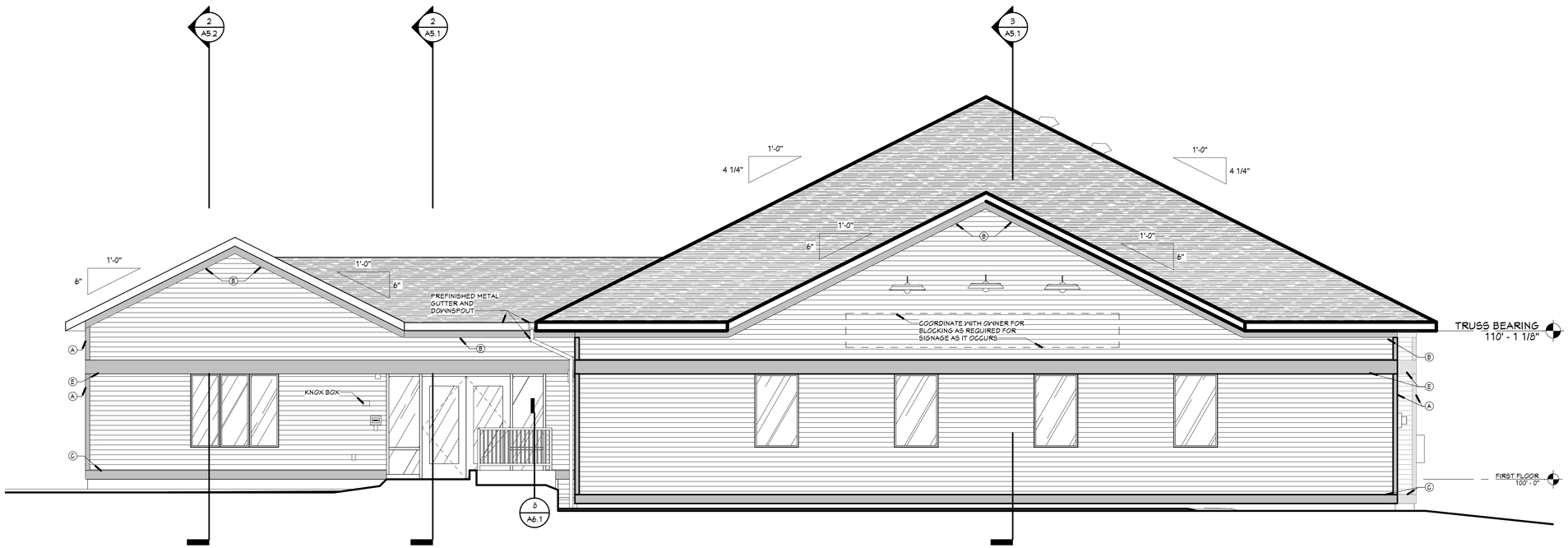
GENERAL ELEVATION NOTES

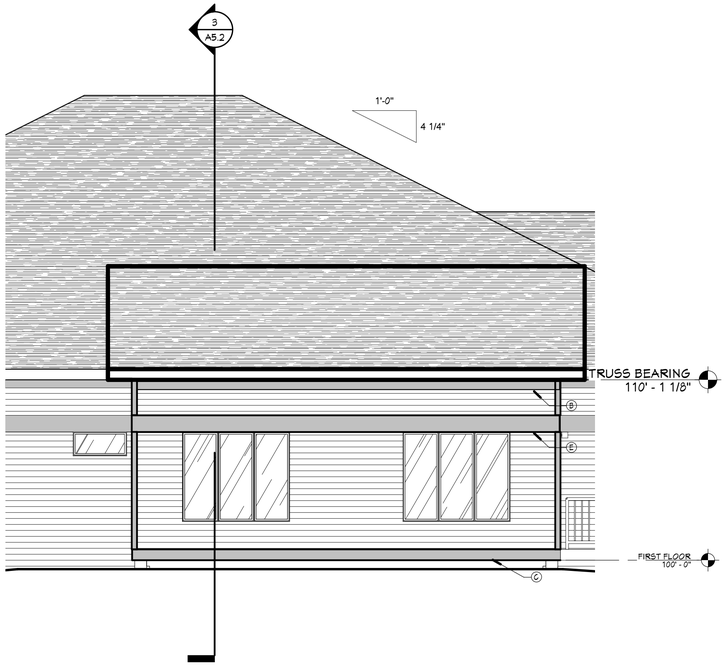
(APPLIES TO ALL ELEVATION DRAWINGS)

1. PROVIDE COMPOSITE TRIM BLOCKS AT ALL EXTERIOR PENETRATIONS, MOUNTING LOCATIONS, SCUPPERS, LOUVERS, ETC. ON SIDING.
2. PAINT ALL EXTERIOR PENETRATIONS, LOUVERS, VENTS, PIPES, COVERS, ETC TO MATCH EXISTING WALL COLOR/FINISH.

EXTERIOR ELEVATION LEGEND

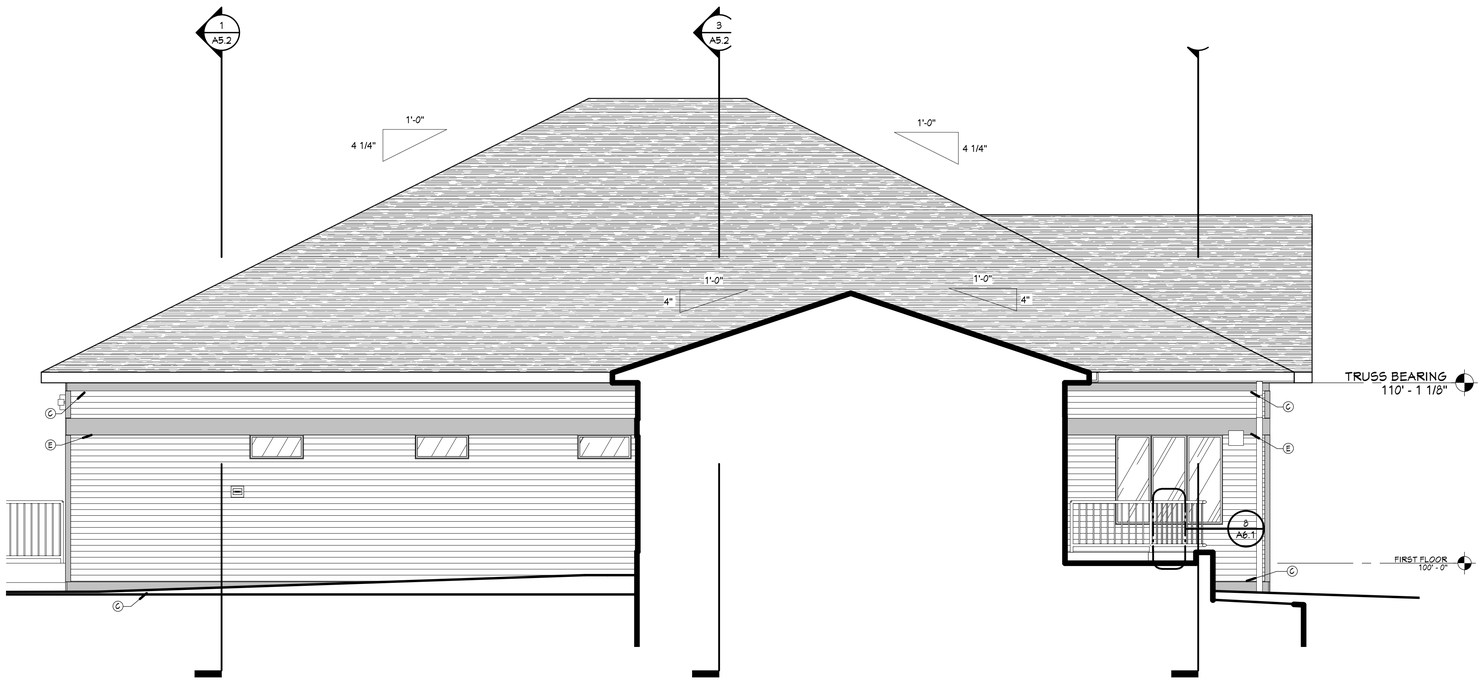
- HORIZONTAL LAP SIDING
- ASPHALT SHINGLES
- GLASS AND GLAZING
- 4/4 TRIM - SEE ELEVATIONS AND DETAILS FOR SIZE
  - (A) 4" NOMINAL
  - (B) 6" NOMINAL
  - (C) 8" NOMINAL
  - (E) 12" NOMINAL





2 A4.1 WEST ELEVATION - AT THERAPY ROOM

1/4" = 1'-0"



1 A4.1 WEST ELEVATION

1/4" = 1'-0"

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ARCHITECTS + ENGINEERS + PLANNERS
316 Morris Avenue
Suite 410
Muskegon, MI 49440
P 231.722.3407
F 231.722.2589

NEW CLINIC
HELEN NEWBERRY JOY MANISTIQUE LAKES
FAMILY CLINIC
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EXTERIOR ELEVATIONS

A4.1

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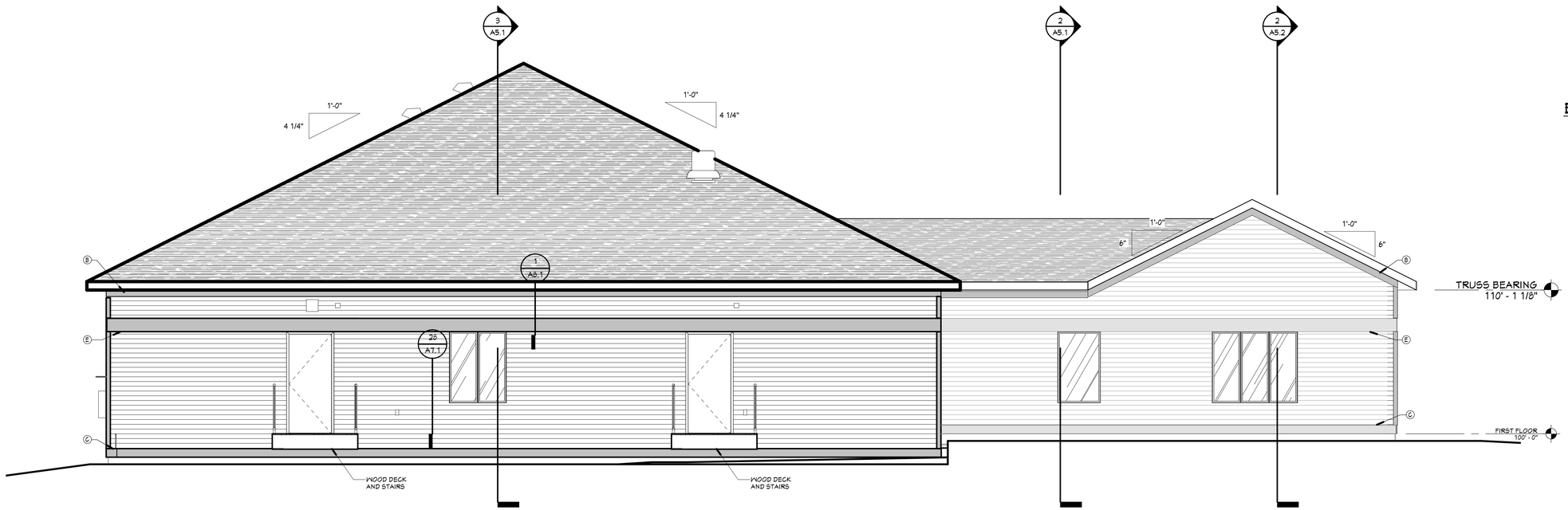
GENERAL ELEVATION NOTES

(APPLIES TO ALL ELEVATION DRAWINGS)

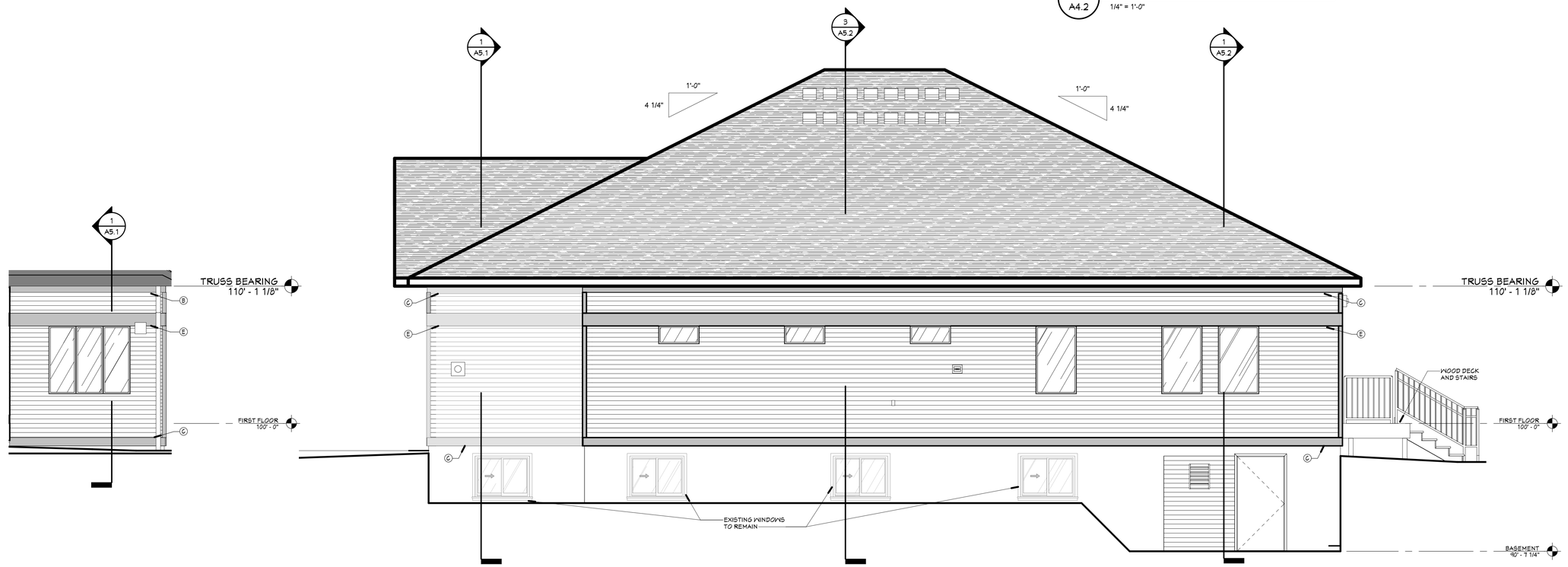
1. PROVIDE COMPOSITE TRIM BLOCKS AT ALL EXTERIOR PENETRATIONS, MOUNTING LOCATIONS, SCUPPERS, LOUVERS, ETC. ON SIDING.
2. PAINT ALL EXTERIOR PENETRATIONS, LOUVERS, VENTS, PIPES, COVERS, ETC TO MATCH EXISTING WALL COLOR/FINISH.

EXTERIOR ELEVATION LEGEND

- HORIZONTAL LAP SIDING
- ASPHALT SHINGLES
- GLASS AND GLAZING
- 4/4 TRIM - SEE ELEVATIONS AND DETAILS FOR SIZE
  - (A) 4" NOMINAL
  - (B) 6" NOMINAL
  - (C) 8" NOMINAL
  - (E) 12" NOMINAL



3 A4.2 NORTH ELEVATION
1/4" = 1'-0"



2 A4.2 WEST ELEVATION AT ENTRY
1/4" = 1'-0"

1 A4.2 EAST ELEVATION
1/4" = 1'-0"

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316 Morris Avenue
Suite 410
Muskegon, MI 49440
P 231.722.3407
F 231.722.2589

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FAMILY CLINIC
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EXTERIOR ELEVATIONS

A4.2

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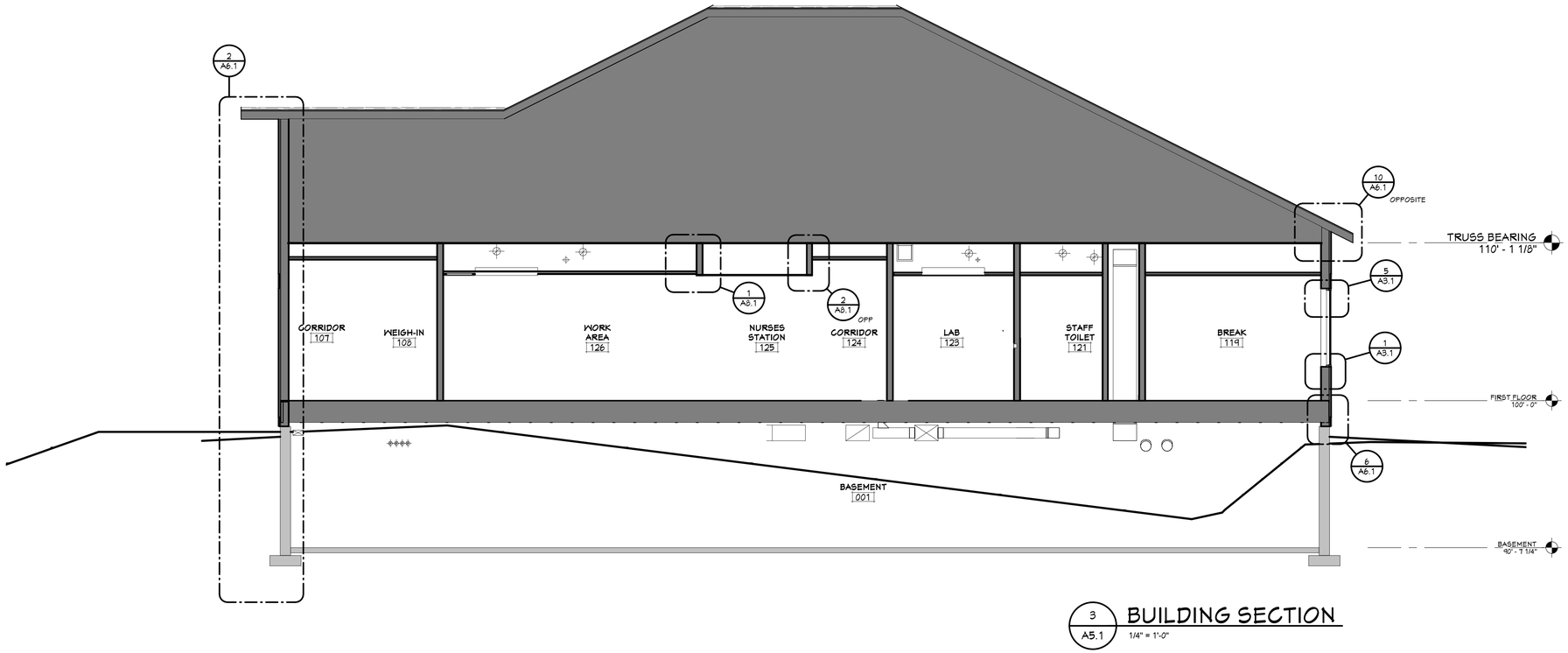
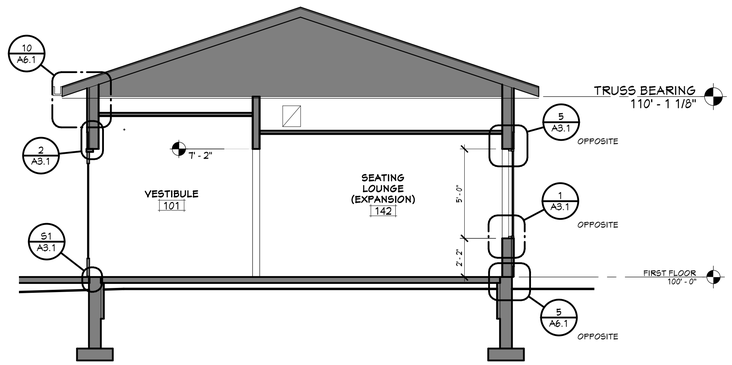
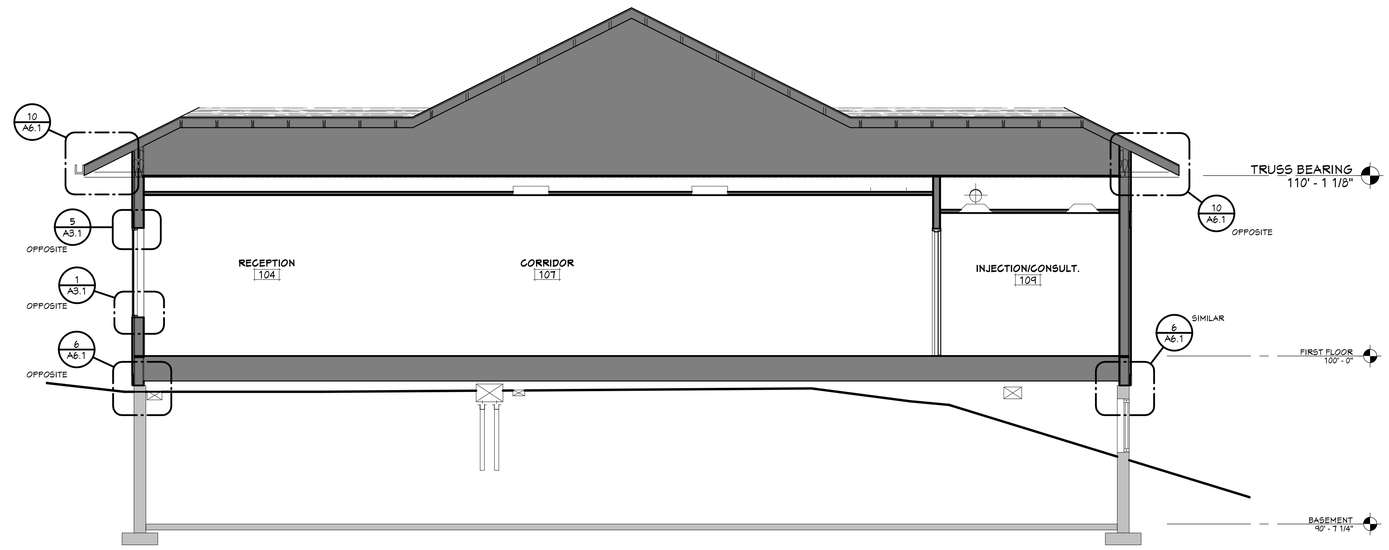


3 A5.1 BUILDING SECTION
1/4" = 1'-0"



2 A5.1 BUILDING SECTION
1/4" = 1'-0"



1 A5.1 BUILDING SECTION
1/4" = 1'-0"

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Suite 410
Muskegon, MI 49440
P 231.722.3407
F 231.722.2589

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FAMILY CLINIC
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BUILDING SECTIONS

A5.1

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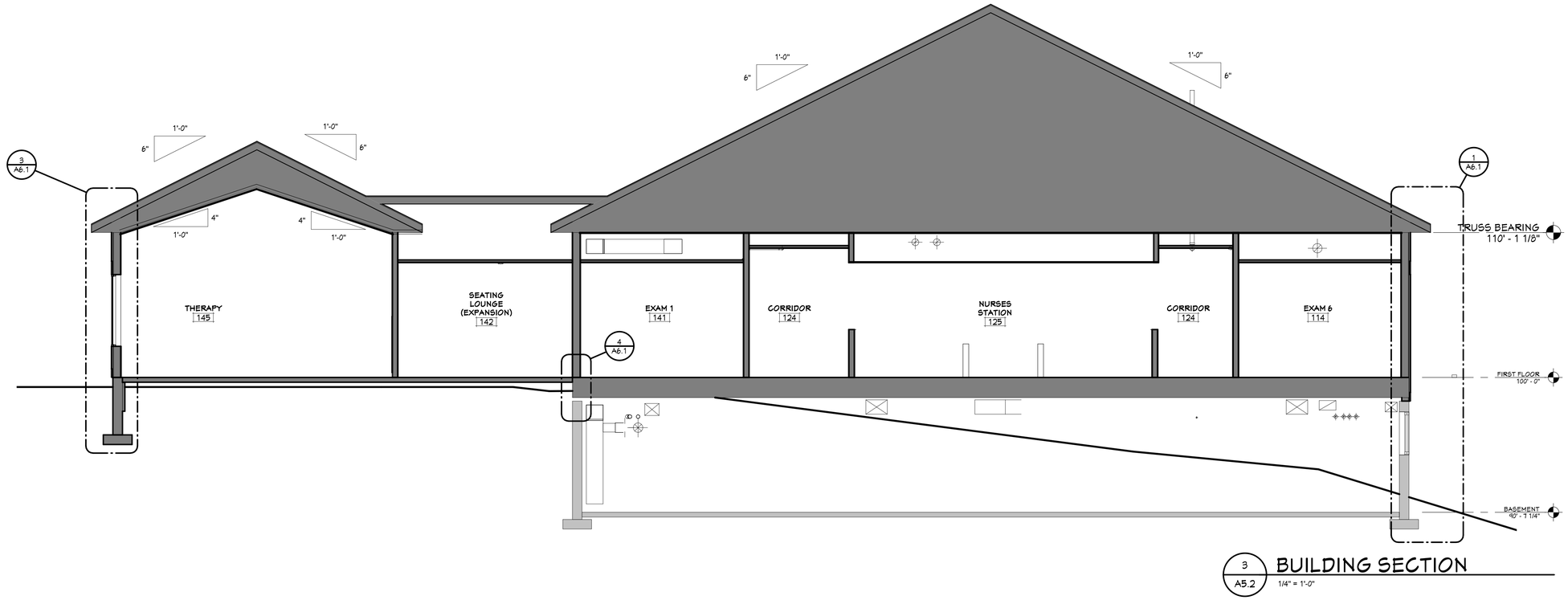
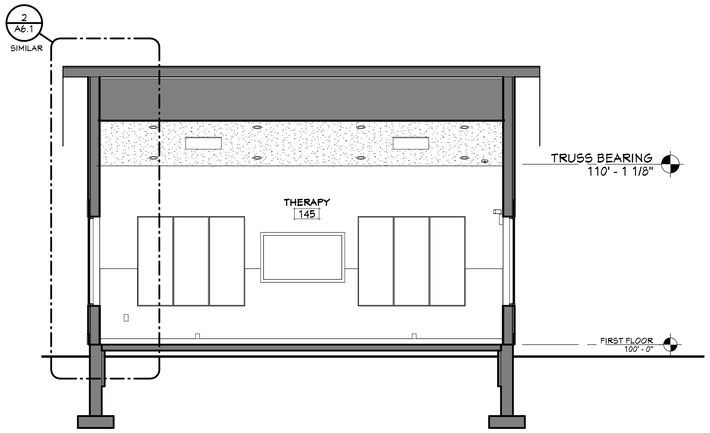
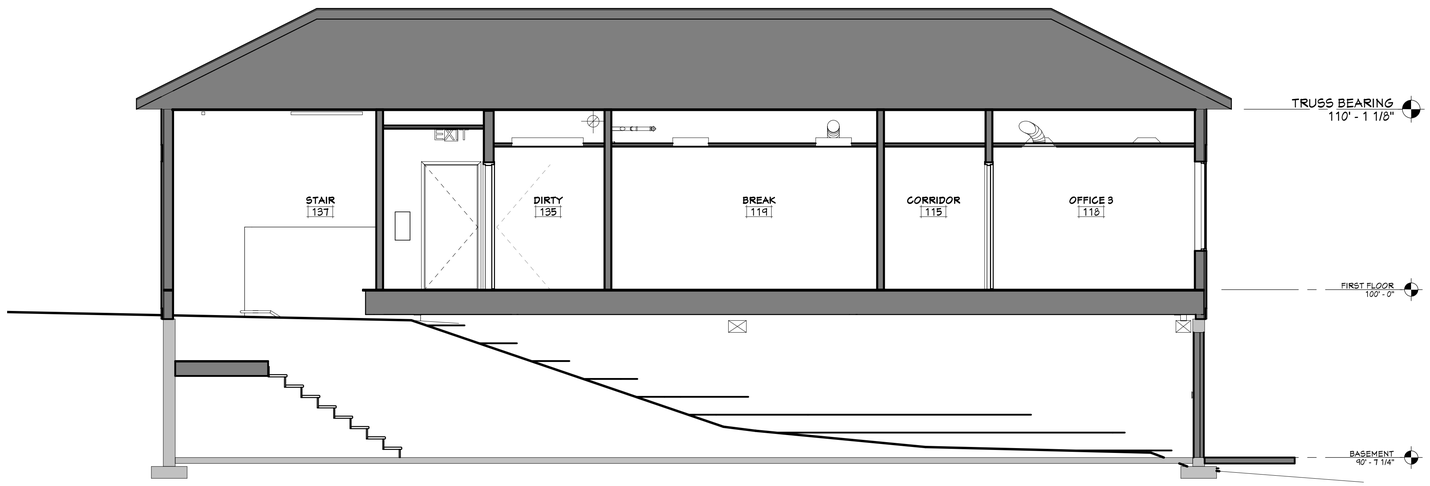


3 A5.2 BUILDING SECTION
1/4" = 1'-0"



2 A5.2 BUILDING SECTION
1/4" = 1'-0"



1 A5.2 BUILDING SECTION
1/4" = 1'-0"

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Suite 410
Muskegon, MI 49440
P 231.722.3407
F 231.722.2589

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BUILDING SECTIONS

A5.2

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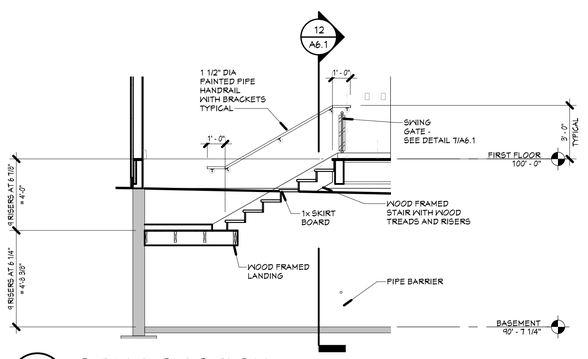
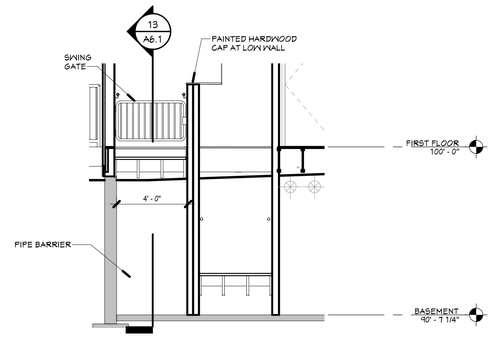
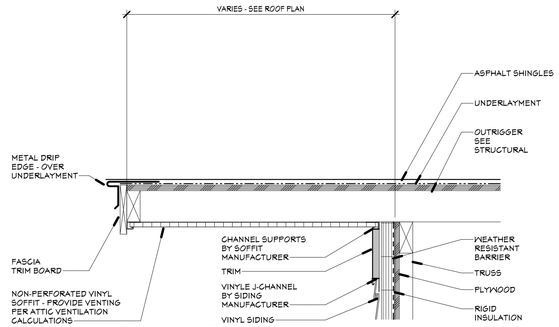


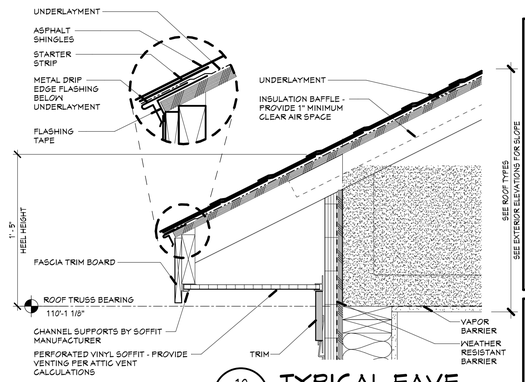
13 A6.1 **STAIR SECTION**
1/4" = 1'-0"



12 A6.1 **STAIR SECTION**
1/4" = 1'-0"



11 A6.1 **TYPICAL RAKE DETAIL**
1 1/2" = 1'-0"



10 A6.1 **TYPICAL EAVE**
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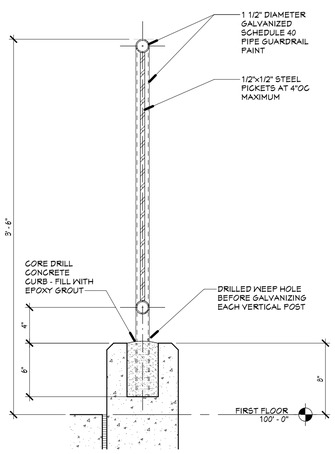
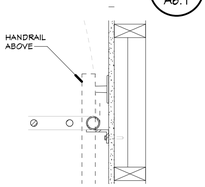
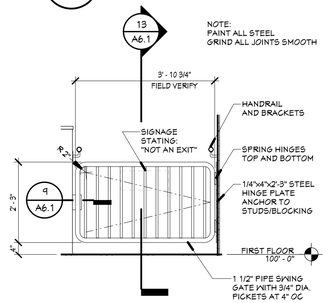


8 A6.1 **ENTRY RAIL**
1 1/2" = 1'-0"



9 A6.1 **STOP PLATE**
1 1/2" = 1'-0"



7 A6.1 **SWING GATE**
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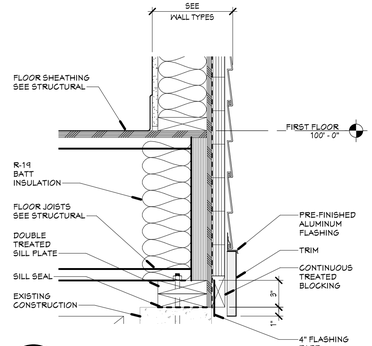

6 A6.1 **SIDING DETAIL**
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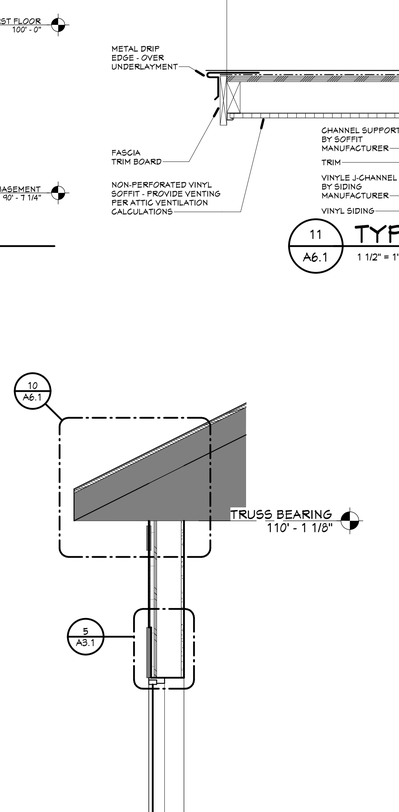
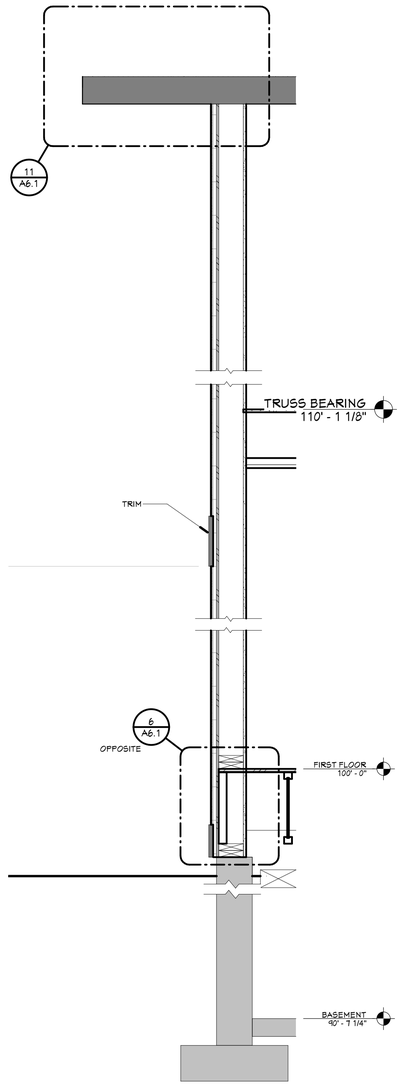
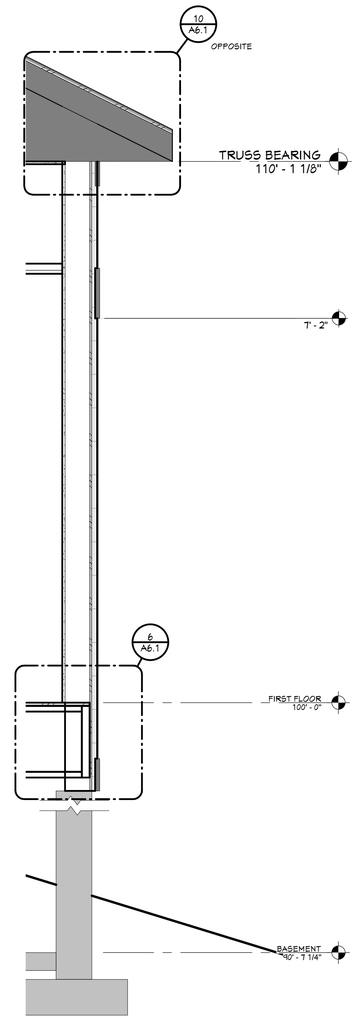


3 A6.1 **WALL SECTION**
3/4" = 1'-0"

SEE 1/A6.1 FOR ADDITIONAL NOTES



2 A6.1 **WALL SECTION**
3/4" = 1'-0"



1 A6.1 **WALL SECTION**
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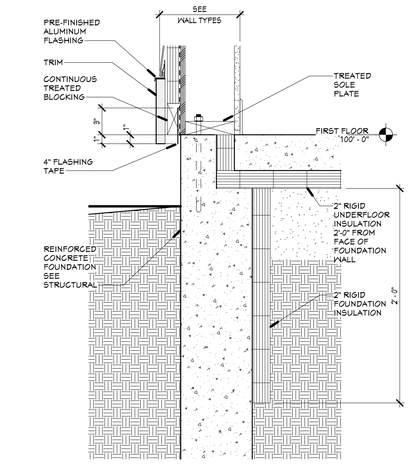
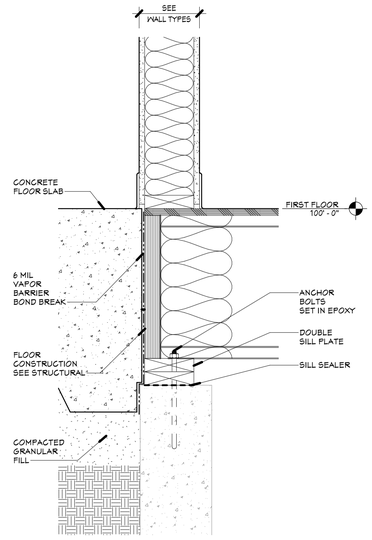


5 A6.1 **SIDING DETAIL**
1 1/2" = 1'-0"



4 A6.1 **FLOOR DETAIL**
1 1/2" = 1'-0"

Hooker DeJong Inc
ARCHITECTS + ENGINEERS + PLANNERS
316 Morris Avenue
Suite 410
Muskegon, MI 49440
P 231.722.3407
F 231.722.2589

NEW CLINIC
HELEN NEWBERRY JOY MANISTIQUE LAKES FAMILY CLINIC
W17530 MAIN ST., CURTIS, MI 49820

HELEN NEWBERRY JOY HOSPITAL

Project Number	4-1274

ISSUANCE

No.	Date	Description
3	2021.04.21	PERMITS
4	2021.05.19	BIDS

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WALL SECTIONS AND DETAILS

A6.1

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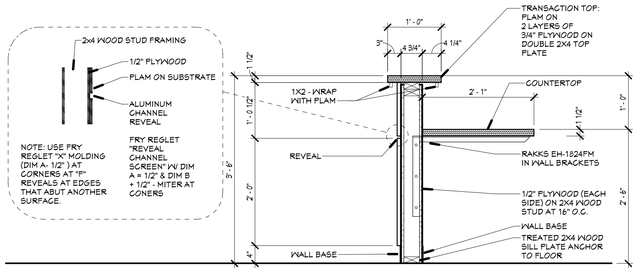

28 A7.1 **DESK SECTION**
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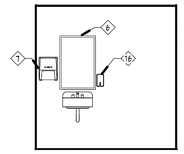
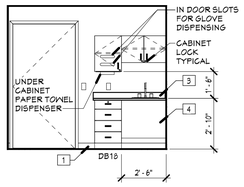


27 A7.1 **135 DIRTY**
1/4" = 1'-0"



26 A7.1 **TYPICAL EXAM ROOM**
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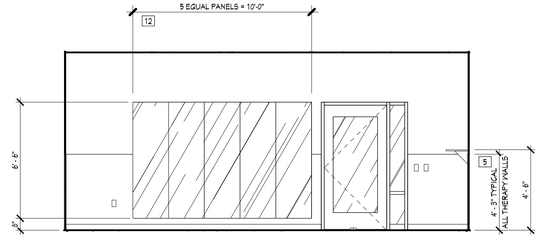


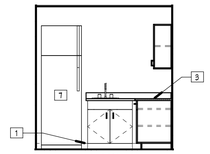
25 A7.1 **145 THERAPY**
1/4" = 1'-0"

GENERAL INTERIOR ELEVATION NOTES

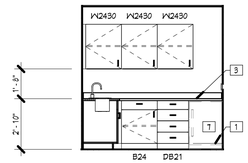
1. BASE CABINETS ARE 24" WITH 25" COUNTERTOP, UNLESS INDICATED OTHERWISE. ALL BATHROOM BASE CABINETS AT 21" WITH 22" COUNTERTOPS, UNLESS INDICATED OTHERWISE
2. ALL WALL CABINETS ARE 14" DEEP, UNLESS INDICATED OTHERWISE.
3. SEE MECH., PLUMB., AND ELEC DRAWINGS FOR ITEMS NOT SHOWN AND FOR ITEMS INDICATED.
4. PROVIDE SOLID WOOD BLOCKING FOR ALL WALL MOUNTED EQUIPMENT AND ACCESSORIES, ETC. IN WOOD STUD/ GYPSUM BOARD PARTITIONS.
5. REFER TO DOOR AND WINDOW SCHEDULE FOR DOOR AND WINDOW TYPES.
6. SEE FLOOR PLAN FOR ALL "TYPICAL" ELEVATIONS FOR EXACT DIMENSIONS AND ORIENTATION. LAYOUT AND ORIENTATION MAY DIFFER FROM TYPICAL LAYOUTS ON INTERIOR ELEVATIONS SHEETS.
7. ALL EXPOSED END AND BACK PANELS TO BE BE FINISHED.
8. PROVIDE COUNTERTOP SUPPORT BRACKETS WHERE COUNTERTOP SPANS MORE THAN 3'-0" WITHOUT A SUPPORT.
9. WALL CABINETS ARE TO BE SCREWED TO STUDS OR BLOCKING WITH A MINIMUM OF FOUR SCREWS; TWO IN EACH UPPER AND LOWER NAILER STRIP FOR EACH WALL CABINET.
10. HOLES IN CABINET BACKS FOR PLUMBING ARE TO BE DRILLED, SEALED, AND COMPLETELY COVERED BY ESCUTCHEON PLATES.
11. ACCESSIBLE SINK HEIGHT IS MEASURED TO THE HIGHER OF THE RIM OR COUNTER SURFACE.
12. CENTER MIRROR AND LIGHT FIXTURES ABOVE BATHROOM SINK.
13. VANITY LIGHTS TO BE BE 5'-4" ABOVE MIRROR.
14. ALL CASEWORK TO HAVE VINYL BASE TOE KICK, UNLESS INDICATED OTHERWISE.

INTERIOR ELEVATION KEYNOTES

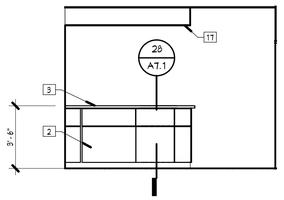
1. WALL BASE- SEE INTERIORS
2. PLAM PANELS WITH 1/2" FRY REGLET REVEAL
3. COUNTERTOP - SEE INTERIORS
4. APRON (FINISH TO MATCH CABINETS)
5. WALL PROTECTION - SEE INTERIORS.
6. FINISHED END PANEL
7. REFRIGERATOR - OFOI
8. FREEZER - OFOI
9. MICROWAVE
10. CONCEALED COUNTER SUPPORT BRACKET - COORDINATE FINAL LOCATIONS IN FIELD
11. 45 DEGREE - PLAM SUPPORT BRACE
12. UNFRAMED MIRROR
13. FRP WAINSCOT- SEE INTERIORS
14. NOT USED
15. NOT USED
16. NOT USED
17. BULKHEAD- SEE REFLECTED CEILING PLAN
18. FAUCET MOUNTED EYEWASH - BRADLEY S19-200B



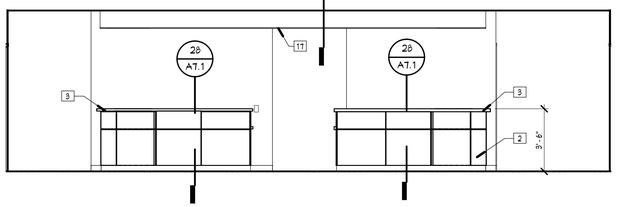
24 A7.1 **128 MEDS**
1/4" = 1'-0"



23 A7.1 **128 MEDS**
1/4" = 1'-0"



22 A7.1 **124 NURSE STATION**
1/4" = 1'-0"



21 A7.1 **124 NURSE STATION**
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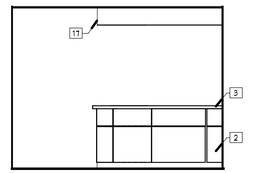
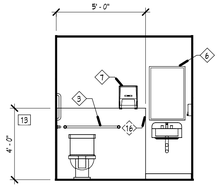
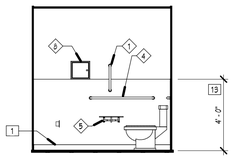


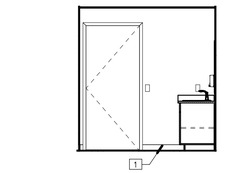
20 A7.1 **124 NURSE STATION**
1/4" = 1'-0"



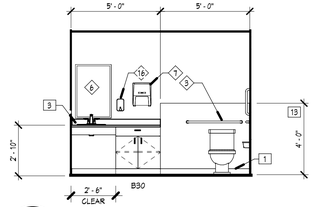
19 A7.1 **122 SAMPLE TOILET**
1/4" = 1'-0"



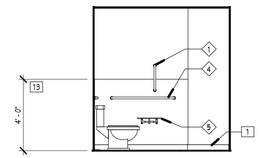
18 A7.1 **122 SAMPLE TOILET**
1/4" = 1'-0"



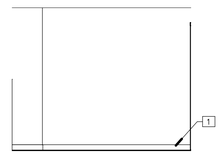
17 A7.1 **121 STAFF TOILET**
1/4" = 1'-0"



16 A7.1 **121 STAFF TOILET**
1/4" = 1'-0"



15 A7.1 **121 STAFF TOILET**
1/4" = 1'-0"



14 A7.1 **121 STAFF TOILET**
1/4" = 1'-0"

◇TOILET ACCESSORY SCHEDULE

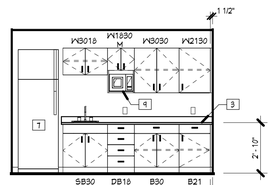
#	DESCRIPTION	MANUFACTURER	MODEL NO	REMARKS
1	18" GRAB BAR	BOBRICK	B-8606.99 X18"	
2	24" GRAB BAR	BOBRICK	B-8606.99 X24"	
3	36" GRAB BAR	BOBRICK	B-8606.99 X36"	
4	42" GRAB BAR	BOBRICK	B-8606.99 X42"	
5	TOILET TISSUE DISPENSER	BOBRICK	B-2460	
6	FRAMED MIRROR 24"W X 36"H	BOBRICK	B-165-2436	
7	PAPER TOWEL DISPENSER	BOBRICK	B-72560	
8	SPECIMEN PASS-THRU	BOBRICK	B-909	
9	ROBE HOOK	BOBRICK	B-76111	
10	MOP & BROOM HOLDER	BOBRICK	B-239X34	
11	BABY CHANGING STATION	KOALA KARE	KB-200	1
12	WASTE RECEPTACLE			
13	SANITARY NAPKIN DISPOSAL			
14	ELECTRIC HAND DRYER	XLERATOR	XL-SB	
15	SOAP DISPENSER	BOBRICK	B-2111	

REMARKS

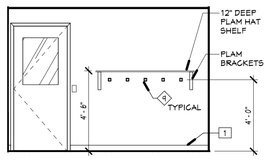
1. COLOR: WHITE GRANITE (05)

GENERAL TOILET ACCESSORY SCHEDULE NOTES

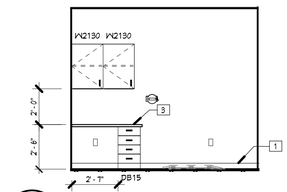
1. MOUNTING HEIGHTS ARE AS INDICATED ON AC SHEETS UNLESS NOTED OTHERWISE IN DRAWINGS OR ON SCHEDULE
2. PROVIDE SOLID BLOCKING FOR MOUNTING ALL TOILETACCESSORIES.



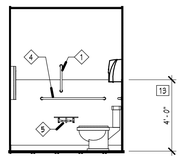
13 A7.1 **119 BREAK**
1/4" = 1'-0"



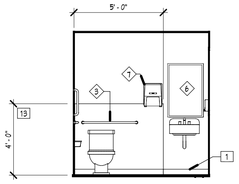
12 A7.1 **119 BREAK**
1/4" = 1'-0"



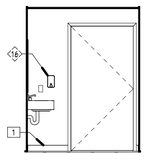
11 A7.1 **133 WEIGH-IN**
1/4" = 1'-0"



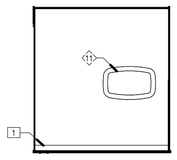
10 A7.1 **131 TOILET**
1/4" = 1'-0"



9 A7.1 **131 TOILET**
1/4" = 1'-0"



8 A7.1 **131 TOILET**
1/4" = 1'-0"



7 A7.1 **131 TOILET**
1/4" = 1'-0"

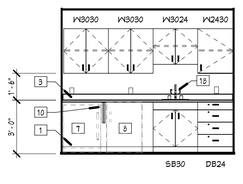
CABINET WORK DESIGNATION LEGEND

BASE CABINETS ARE NOTED IN INCHES - WIDTH
WALL CABINETS ARE NOTED IN INCHES - WIDTH X HEIGHT

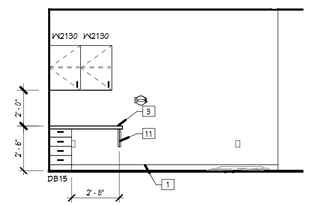
EXAMPLE: B18 (WIDTH; "TYPE" PER LEGEND BELOW) W2430 (WIDTH; HEIGHT; "TYPE" PER LEGEND BELOW)

B	BASE CABINET	CB	CORNER BASE
SB	SINK BASE	W	WALL MOUNTED CABINET
TC	TALL CABINET	CW	CORNER WALL CABINET
LS	LAZY SUSAN	*	DOOR OR DRAWER LOCK

NOTES:
1. SEE INTERIOR ELEVATIONS FOR TOP OF COUNTER HEIGHT.
2. COUNTERS ARE 1-1/4" THICK, UNLESS NOTED OTHERWISE.



6 A7.1 **123 LAB**
1/4" = 1'-0"



5 A7.1 **108 WEIGH-IN**
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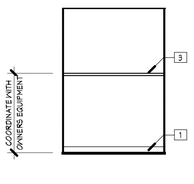
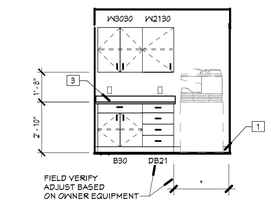
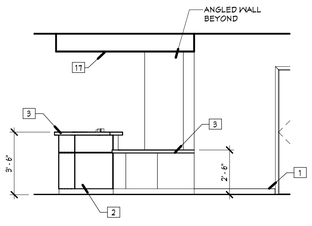


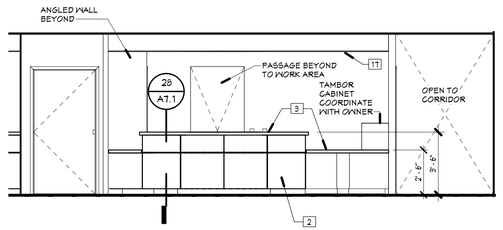
4 A7.1 **126 WORK AREA**
1/4" = 1'-0"



3 A7.1 **129 WORK AREA**
1/4" = 1'-0"



2 A7.1 **102 WAITING**
1/4" = 1'-0"



1 A7.1 **102 WAITING**
1/4" = 1'-0"

Hooker DeJong Inc
ARCHITECTS + ENGINEERS + PLANNERS
316 Morris Avenue
Suite 410
Muskegon, MI 49440
P 231.722.3407
F 231.722.2589

NEW CLINIC
HELEN NEWBERRY JOY MANISTIQUE LAKES FAMILY CLINIC
W17530 MAIN ST., CURTIS, MI 49820
HELEN NEWBERRY JOY HOSPITAL

Project Number 4-1274

ISSUANCE

No.	Date	Description
3	2021.04.21	PERMITS
4	2021.05.19	BIDS

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INTERIOR ELEVATIONS

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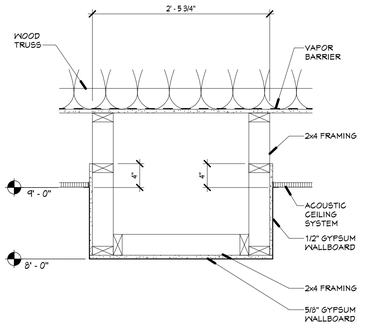
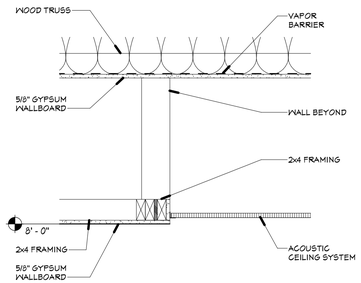
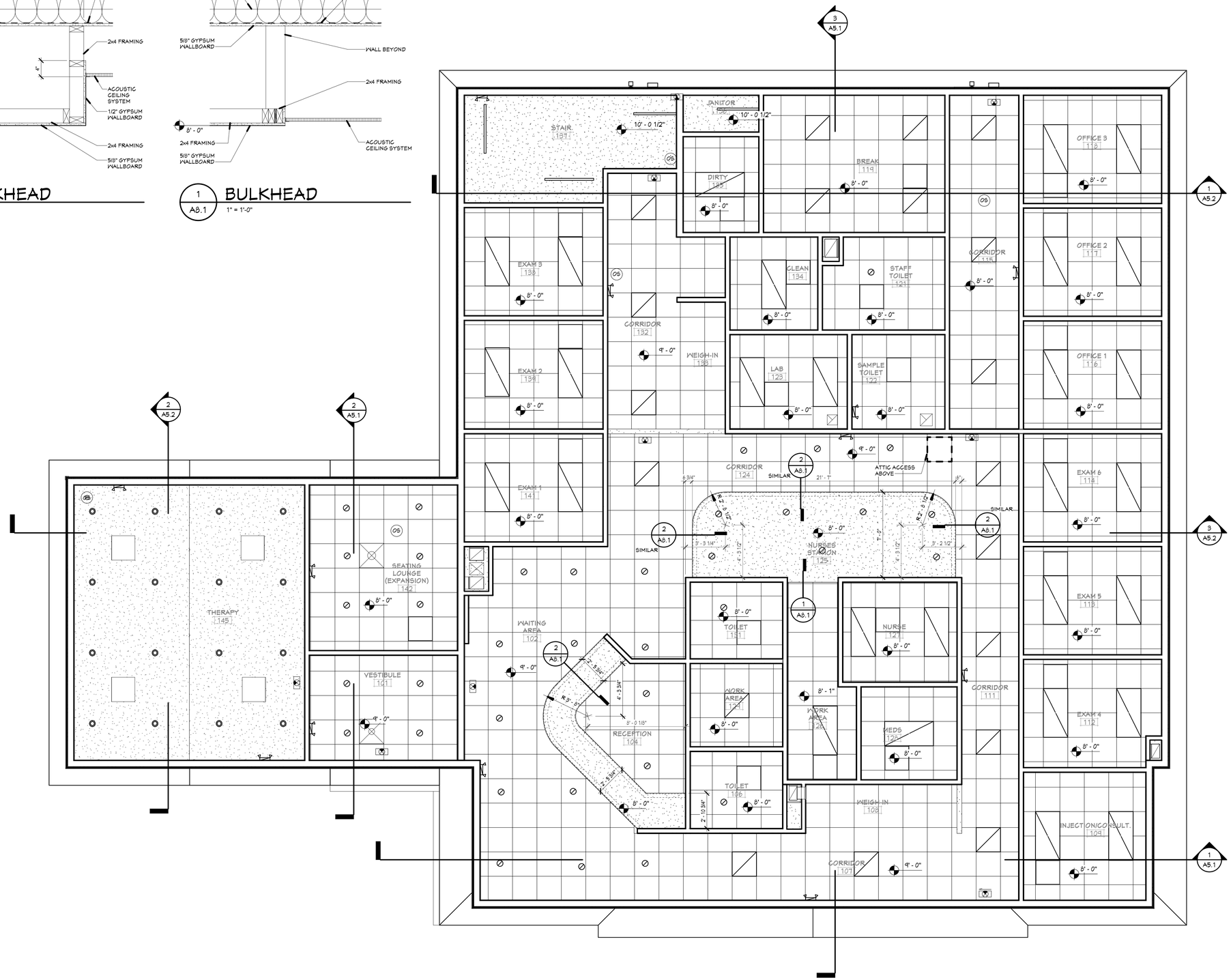


2 A8.1 **BULKHEAD**
1" = 1'-0"



1 A8.1 **BULKHEAD**
1" = 1'-0"



FIRST FLOOR REFLECTED CEILING PLAN
1/4" = 1'-0"

GENERAL REFLECTED CEILING PLAN NOTES

1. NOT ALL CEILING EQUIPMENT AND PENTRATIONS ARE SHOWN. COORIDATE QUANTITIES AND LOCATIONS WITH OTHER DISCIPLINES.
2. COORDINATE LOCATIONS OF ALL OTHER TRADES COMPONENTS PRIOR TO INSTALLATION - LOCATIONS OF LIGHTING FIXTURES TAKES PRECEDENCE.
3. CEILING HEIGHTS ARE AS INDICATED.
4. LOCATE LIGHT FIXTURES, SPRINKLER HEADS, DIFFUSERS, ETC. IN THE CENTER OF THE TILE UNLESS INDICATED OTHERWISE.
5. VERIFY LOCATIONS OF GYPSUM WALLBOARD BULKHEADS ABOVE CASEWORK. COORDINATE WITH CASEWORK SHOP DRAWINGS PRIOR TO CONSTRUCTION OF BULKHEAD.
6. LOCATE VALVES, DAMPERS, ETC ABOVE ACOUSTIC CEILING PANELS RATHER THAN WITHIN GYPSUM WALLBOARD BULKHEADS UNLESS OTHERWISE INDICATED.

CEILING LEGEND

- 2x2 ACOUSTIC CEILING PANEL SYSTEM
- GYPSUM BOARD CEILING
- CEILING / BULKHEAD HEIGHT ABOVE FINISH FLOOR

ELECTRICAL

- RECESSED/SURFACE MOUNTED FIXTURE
- SUSPENDED LIGHTING
- WALL MOUNTED FIXTURE
- RECESSED FIXTURE
- CEILING MOUNTED EXIT SIGN
- WALL MOUNTED EXIT SIGN

MECHANICAL

- SUPPLY GRILLE / DIFFUSER
- RETURN GRILLE / DIFFUSER

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Hooker DeJong Inc
ARCHITECTS = ENGINEERS = PLANNERS
316 Morris Avenue
Suite 410
Muskegon, MI 49440
P 231.722.3407
F 231.722.2589

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FIRST FLOOR REFLECTED CEILING PLAN

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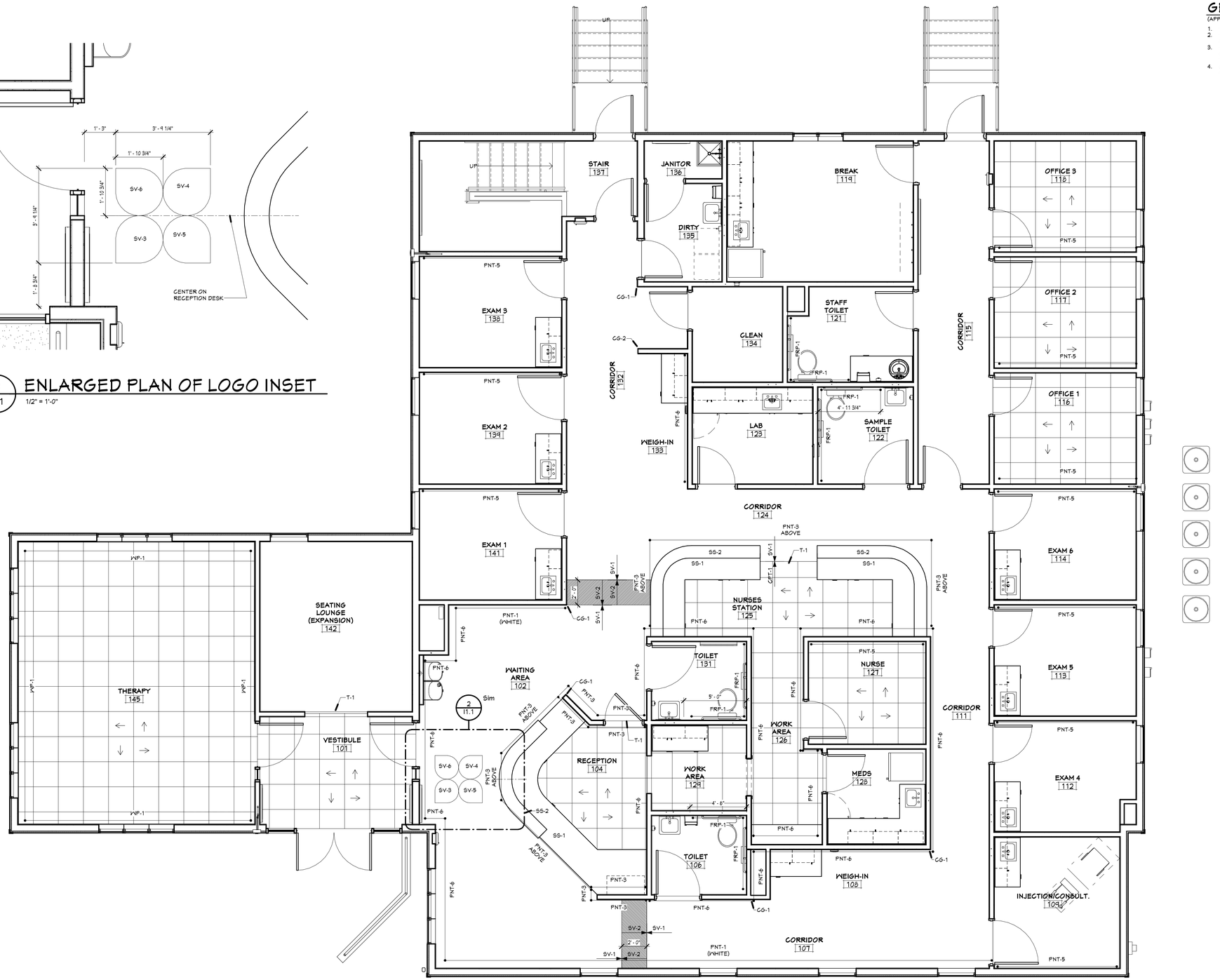
2 / I1.1 ENLARGED PLAN OF LOGO INSET

1/2" = 1'-0"



1 / I1.1 FIRST FLOOR FINISH PLAN

1/4" = 1'-0"

GENERAL FINISH PLAN NOTES

(APPLIES TO ALL FINISH PLAN DRAWINGS)

1. SEE FINISH SCHEDULE FOR ALL FINISHES.
2. FLOORING ORIENTATION SHALL BE INSTALLED AS INDICATED ON FINISH PLAN, UNLESS NOTED OTHERWISE.
3. FLOORING SHALL EXTEND UNDER COUNTERTOPS WITH NO CABINETS EVEN IF FLOOR PATTERN IS NOT VISIBLE ON FINISH PLAN.
4. ARROWS ON FINISH PLAN INDICATE DIRECTION/PATTERN OF CARPET TILE.

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FIRST FLOOR FINISH PLAN

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COMMON AREA ROOM FINISH SCHEDULE

ROOMS		FLOORING			WALLS				CEILING		CASEWORK		WALL PROTECTION			
#	NAME	FINISH	BASE	FLOORING TRANSITION	NORTH FINISH	EAST FINISH	SOUTH FINISH	WEST FINISH	MATERIAL	FINISH	CASE FINISH	COUNTERTOP FINISH	CORNER GUARDS	WALL PROTECTION	REMARKS	ROOM #
101	VESTIBULE	CPT-2	VB-1	T-1	PNT-1	PNT-1	PNT-1	PNT-1	ACT	ACT-1						101
102	WAITING AREA	SV-1/SV-2/SV-3/SV-4/SV-5/SV-6	VB-1		PNT-1	PNT-3/PNT-6	PNT-1	PNT-6	ACT	ACT-1			CG-1			102
104	RECEPTION	CPT-1	VB-1	T-1	PNT-3	PNT-6	PNT-3	-	AGT/GWB	AGT-1/PNT-3	PLAM-1	SS-1/SS-2				104
106	TOILET	SV-1	VB-1		FRP-1/PNT-1	FRP-1/PNT-1	PNT-1	PNT-1	ACT	ACT-1						106
107	CORRIDOR	SV-1	VB-1		PNT-6	PNT-1	PNT-1	-	ACT	ACT-1			CG-1			107
108	WEIGH-IN	SV-1	VB-1		PNT-6	PNT-1	-	PNT-6	ACT	ACT-1	PLAM-1	PLAM-2	CG-1			108
109	INJECTION/CONSULT.	SV-1	VB-1		PNT-1	PNT-1	PNT-5	PNT-1	ACT	ACT-1	PLAM-1	PLAM-2				109
111	CORRIDOR	SV-1	VB-1		PNT-1	PNT-1	PNT-1	PNT-6	ACT	ACT-1						111
112	EXAM 4	SV-1	VB-1		PNT-5	PNT-1	PNT-1	PNT-1	ACT	ACT-1	PLAM-1	PLAM-2				112
113	EXAM 5	SV-1	VB-1		PNT-5	PNT-1	PNT-1	PNT-1	ACT	ACT-1	PLAM-1	PLAM-2				113
114	EXAM 6	SV-1	VB-1		PNT-5	PNT-1	PNT-1	PNT-1	ACT	ACT-1	PLAM-1	PLAM-2				114
115	CORRIDOR	SV-1	VB-1		PNT-1	PNT-1	PNT-1	PNT-1	ACT	ACT-1						115
116	OFFICE 1	CPT-1	VB-1	T-1	PNT-1	PNT-1	PNT-5	PNT-1	ACT	ACT-1						116
117	OFFICE 2	CPT-1	VB-1	T-1	PNT-1	PNT-1	PNT-5	PNT-1	ACT	ACT-1						117
118	OFFICE 3	CPT-1	VB-1	T-1	PNT-1	PNT-1	PNT-5	PNT-1	ACT	ACT-1						118
119	BREAK	SV-1	VB-1		PNT-1	PNT-1	PNT-1	PNT-1	ACT	ACT-1	PLAM-1	PLAM-2				119
121	STAFF TOILET	SV-1	VB-1		PNT-1	PNT-1	FRP-1/PNT-1	FRP-1/PNT-1	ACT	ACT-1	PLAM-1	PLAM-2				121
122	SAMPLE TOILET	SV-1	VB-1		FRP-1/PNT-1	PNT-1	PNT-1	FRP-1/PNT-1	ACT	ACT-1						122
123	LAB	SV-1	VB-1		PNT-1	PNT-1	PNT-1	PNT-1	ACT	ACT-1	PLAM-1	PLAM-2				123
125	NURSES STATION	CPT-1	VB-1		-	-	PNT-6	-	GWB	PNT-3/ PNT-1	PLAM-1	SS-1/SS-2			1	125
126	WORK AREA	CPT-1	VB-1	T-1	PNT-6	PNT-6	PNT-6	PNT-6	ACT	ACT-1	-	PLAM-2				126
127	NURSE	CPT-1	VB-1		PNT-5	PNT-1	PNT-1	PNT-1	ACT	ACT-1						127
128	MEDS	SV-1	VB-1		PNT-1	PNT-1	PNT-1	PNT-1	ACT	ACT-1	PLAM-1	PLAM-2				128
129	WORK AREA	CPT-1	VB-1		PNT-1	PNT-1	PNT-1	PNT-1	ACT	ACT-1	PLAM-1	PLAM-2				129
131	TOILET	SV-1	VB-1		PNT-1	FRP-1/PNT-1	FRP-1/PNT-1	PNT-1	ACT	ACT-1						131
132	CORRIDOR	SV-1	VB-1		PNT-1	PNT-1	PNT-1	PNT-1	ACT	ACT-1			CG-1/CG-2			132
133	WEIGH-IN	SV-1	VB-1		PNT-1	PNT-6	PNT-1	PNT-1	ACT	ACT-1	PLAM-1	PLAM-2				133
134	CLEAN	SV-1	VB-1		PNT-1	PNT-1	PNT-1	PNT-1	ACT	ACT-1						134
135	DIRTY	SV-1	VB-1		PNT-1	PNT-1	PNT-1	PNT-1	ACT	ACT-1						135
136	JANITOR	SV-1	VB-1		PNT-1	PNT-1	PNT-1	PNT-1	GWB	PNT-1						136
137	STAIR	SV-1/ST-1	VB-1		PNT-1	PNT-1	PNT-1	PNT-1	GWB	PNT-1						137
138	EXAM 3	SV-1	VB-1		PNT-5	PNT-1	PNT-1	PNT-1	ACT	ACT-1	PLAM-1	PLAM-2				138
139	EXAM 2	SV-1	VB-1		PNT-5	PNT-1	PNT-1	PNT-1	ACT	ACT-1	PLAM-1	PLAM-2				139
141	EXAM 1	SV-1	VB-1		PNT-5	PNT-1	PNT-1	PNT-1	ACT	ACT-1	PLAM-1	PLAM-2				141
142	SEATING LOUNGE (EXPANSION)	SV-1	VB-1	T-1	PNT-1	PNT-1	PNT-1	PNT-1	ACT	ACT-1						142
145	THERAPY	CPT-1	VB-1	T-1	PNT-5	PNT-5	PNT-5	PNT-5	GWB	PNT-1				WP-1 (ALL WALLS)	2	145

INTERIOR FINISH SCHEDULE REMARKS

1. PROVIDE PNT-1 ON SOFFIT AND PNT-3 ON BULKHEAD.
2. PROVIDE WP-1 ON ALL WALLS.

INTERIOR FINISH SCHEDULE GENERAL NOTES

1. ALL FLOOR FINISH TRANSITION SHALL BE CENTERED UNDER THE DOOR IN A CLOSED POSITION.
2. SEE FINISH PLAN FOR EXTENT OF FINISHES WHERE MORE THAN ONE FLOOR OR BASE FINISH IS INDICATED IN A ROOM.
3. SEE FINISH PLAN WHERE MORE THAN ONE WALL FINISH IS INDICATED IN A ROOM.
4. PROVIDE ALL APPLICABLE TRIM PIECES TO FINISH WALL PROTECTION. THIS INCLUDES INSIDE AND OUTSIDE CORNER PIECES, BULLOSE, ETC.
5. SEE FINISH FLOOR PLANS FOR FLOORING PATTERNS.

INTERIORS ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILES AND GRID
CG	CORNER GUARDS
CPT	CARPET
PLAM	PLASTIC LAMINATE
PNT	PAINT
SS	SOLID SURFACE
SV	SHEET VINYL
VCC	WALK OFF CARPET
WP	WALL PROTECTION

INTERIOR FINISH SELECTIONS

GPT-1 PRODUCT: CARPET TILE
MFR: J+J FLOORING
STYLE: KINETEX NETWORK 1842
SIZE: 24X24
COLOR: MODEM 2854
ORIENT.: QUARTER TURNED
REP: NICHOLE LEE
M: 616.2455432
E: NICHOLE.LEE@JJFLOORING.COM

GPT-2 PRODUCT: CARPET TILE
MFR: J+J FLOORING
STYLE: CATWALK II 7269
SIZE: 24X24
COLOR: GLITTERATI 1424
ORIENT.: QUARTER TURNED
REP: NICHOLE LEE

PNT-1 PRODUCT: PAINT
MFR: BENJAMIN MOORE
COLOR: OC 86 WHITE BLUSH

PNT-2 PRODUCT: PAINT
MFR: SHERWIN WILLIAMS
COLOR: SW7507 STONE LION

PNT-3 PRODUCT: PAINT
MFR: SHERWIN WILLIAMS
COLOR: SW6257 GIBRALTAR

NOT USED

PNT-4 PRODUCT: PAINT
MFR: SHERWIN WILLIAMS
COLOR: SW6373 HARVESTER

PNT-5 PRODUCT: PAINT
MFR: SHERWIN WILLIAMS
COLOR: SW9136 STARDEW

PNT-6 PRODUCT: PAINT
MFR: SHERWIN WILLIAMS
COLOR: SW7017 DORIAN GRAY

NOT USED

PNT-7 PRODUCT: PAINT
MFR: SHERWIN WILLIAMS
COLOR: SW6163 GRASSLANDS

DOOR-1 PRODUCT: WOOD DOOR
MFR: -
COLOR: BRIGH CLEAR STAIN

FLAM-1 PRODUCT: PLASTIC LAMIANTE
MFR: WILSONART
COLOR: FUSION MAPLE 7904-60

FLAM-2 PRODUCT: PLASTIC LAMIANTE
MFR: WILSONART
COLOR: OILED SOAPSTONE 4882

SS-1 PRODUCT: SOLID SURFACE
MFR: CORIAN
COLOR: WILLOW

SS-2 PRODUCT: SOLID SURFACE
MFR: CORIAN
COLOR: MINERAL

CG-1 PRODUCT: CORNER GUARD
MFR: INPRO
STYLE: TAPE-ON CORNER GUARD 1-1/2" WIDE
COLOR: SAND DUNE 0278
HEIGHT: 4'-0" HIGH INSTALLED ABOVE WALL BASE AT OUTSIDE CORNERS IN CORRIDORS

WP-1 PRODUCT: WALL PROTECTION
MFR: INPRO
STYLE: ROLLED PALLADIUM RIGID SHEET
COLOR: SAND DUNE 0278
HEIGHT: 4'-0"

FRP-1 PRODUCT: MARLITE
MFR: FIBER REINFORCED PANEL
STYLE: SYMMETRIX W/SANI-COAT
COLOR: C145 644 SILVER
SIZE: 4'X8'
TRIM: INSIDE CORNER 350 AND EDGE M370

T-1 PRODUCT: TRANSITION
MFR: TARKETT/JOHNSONITE
STYLE: CTA-XXA
COLOR: SHORELINE 280

PRODUCT: WINDOW BLINDS
MFR: DRAPER
STYLE: MANUAL ROLLER SHADES
FLEX SHADE W/SS PULL CHAIN
FASCIA: ALUMINUM
FABRIC: SHEER WEAVE 5WQ2400 3% OPENNESS
COLOR: BEIGE 2440

SV-1 PRODUCT: SHEET VINYL
MFR: JOHNSONITE
STYLE: IQ OPTIMA
COLOR: COFFEE SHOPPE 0820
WELD: WELD ROD TO MATCH COFFEE SHOPPE 0820
REP: JOHN ARENDS
M: 616.291.1811
E:JARENDS@BISHOPDISTRIBUTING.COM

SV-2 PRODUCT: SHEET VINYL
MFR: JOHNSONITE
STYLE: IQ OPTIMA
COLOR: HANDWIRED 0872
REP: JOHN ARENDS

SV-3 PRODUCT: SHEET VINYL
MFR: JOHNSONITE
STYLE: IQ GRANIT
COLOR: SEASTONE T12 0772
REP: JOHN ARENDS

SV-4 PRODUCT: SHEET VINYL
MFR: JOHNSONITE
STYLE: IQ GRANIT
COLOR: SAWYER 448 0448
REP: JOHN ARENDS

SV-5 PRODUCT: SHEET VINYL
MFR: JOHNSONITE
STYLE: IQ GRANIT
COLOR: ALOE 407 0407
REP: JOHN ARENDS

SV-6 PRODUCT: SHEET VINYL
MFR: JOHNSONITE
STYLE: IQ GRANIT
COLOR: WINTERCREST 408 0408
REP: JOHN ARENDS

ST-1 PRODUCT: STAIR TREAD/RISER
MFR: JOHNSONITE
STYLE: ANGLE FIT RUBBER STAIR TREAD WITH INTEGRATED RISER - HNTR 280
COLOR: HAMMERED - SHORELINE
REP: JOHN ARENDS

VB-1 PRODUCT: VINYL WALL BASE
MFR: JOHNSONITE
STYLE: TRADITIONAL 4" COVE
COLOR: SHORELINE 280
REP: JOHN ARENDS

ACT-1 PRODUCT: ACOUSTICAL CEILING
MFR: USG
STYLE: 86785 MARS CLIMAPLUS SLT
SIZE: 2'X2'
COLOR: WHITE
GRID: DONN DXIDXL

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NEW CLINIC
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FAMILY CLINIC
W17530 MAIN ST., CURTIS, MI 49820

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FINISH SCHEDULE AND SPECIFICATIONS

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GENERAL NOTES

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS, TO VERIFY CONDITIONS AT THE JOB SITE, AND TO CROSSCHECK WITH DETAILS AND DIMENSIONS ON THE STRUCTURAL DRAWINGS WITH RELATED REQUIREMENTS ON THE ARCHITECTURAL, CIVIL, MECHANICAL, ELECTRICAL, AND ALL OTHER PERTINENT DRAWINGS BEFORE PROCEEDING WITH CONSTRUCTION.
2. ALL OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT BEFORE PROCEEDING WITH CONSTRUCTION. IN THE EVENT THE CONTRACTOR PROCEEDS WITHOUT SUCH NOTIFICATION, THEY SHALL BE HELD RESPONSIBLE FOR ANY SUCH ERRORS, AND THE COST TO RECTIFY THEM.
3. DETAILS MARKED TYPICAL SHALL APPLY IN ALL CASES, UNLESS SPECIFICALLY DETAILED OTHERWISE, WHERE NO DETAIL IS SHOWN, CONSTRUCTION SHALL BE SHOWN FOR OTHER SIMILAR WORK.
4. THE DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THE CONSTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, AND SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, TECHNIQUES, SEQUENCES AND PROCEDURES, INCLUDING BRACING, SHORING, AND LAYDOWN OF CONSTRUCTION MATERIALS, ETC. UNLESS SPECIFICALLY INDICATED OTHERWISE. THE DRAWINGS AND INSTALLATION OF TEMPORARY SHORING AND BRACING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

DESIGN CODES

1.	BUILDING CODE:	2015 MICHIGAN BUILDING CODE
2.	CONCRETE CODE:	ACI 318, 2015 EDITION
3.	MASONRY CODE:	ACI 530 / TMS 402, 2014 EDITION
4.	WOOD CODE:	NDS, 2015 EDITION

DESIGN CRITERIA

1.	BUILDING CODE:		2015 MICHIGAN BUILDING CODE
2.	RISK CATEGORY:		II
3.	DEAD LOAD		
	A. FLOOR		
	a. FRAMING		3 PSF
	b. SHEATHING		1 PSF
	c. PARTITIONS		15 PSF
	d. CEILING		2 PSF
	e. MEP		4 PSF
	f. FIRE PROTECTION		2 PSF
	g. MISCELLANEOUS		2 PSF
	h. TOTAL		35 PSF
	B. ROOF		
	a. SHEATHING		3 PSF
	b. MEMBRANE ROOFING		1 PSF
	c. ROOF FRAMING		7 PSF
	d. INSULATION		2 PSF
	e. CEILING		2 PSF
	f. MEP		4 PSF
	g. FIRE PROTECTION		1 PSF
	h. MISCELLANEOUS		1 PSF
	i. TOTAL		20 PSF
	C. ROOF TRUSS DESIGN LOADS		
	a. TOP CHORD		10 PSF
	b. BOTTOM CHORD		10 PSF
4.	LIVE LOAD		
	A. SLAB ON GRADE		100 PSF
	B. LOBBIES AND FIRST FLOOR CORRIDORS		100 PSF
	C. OFFICES		50 PSF
5.	ROOF LIVE LOAD		20 PSF
6.	SNOW LOAD		
	A. GROUND SNOW LOAD		70 PSF
	B. SNOW IMPORTANCE FACTOR		1.0
	C. SNOW THERMAL FACTOR		1.0
	D. SNOW EXPOSURE FACTOR		1.0
	E. FLAT ROOF SNOW LOAD		49.0 PSF
7.	WIND LOAD		
	A. ULTIMATE DESIGN WIND SPEED		115 MPH
	B. NOMINAL DESIGN WIND SPEED:		90 MPH
	C. WIND IMPORTANCE FACTOR:		1.0
	D. WIND EXPOSURE CATEGORY:		C
	E. INTERNAL PRESSURE COEFFICIENT:		+/-0.18
8.	SEISMIC LOAD		
	A. SEISMIC SITE CLASS:		D
	B. SPECTRAL RESPONSE COEFFICIENTS:		
	a. Ss		0.04
	b. S1		0.02
	c. Sds		0.05
	d. Sd1		0.04
	C. SEISMIC DESIGN CATEGORY:		A
	D. BASIC SEISMIC FORCE RESISTING SYSTEM:		
			LIGHT-FRAME (WOOD) WALLS SHEATHED WITH WOOD STRUCTURAL PANELS RATED FOR SEISMIC RESISTANCE
	E. RESPONSE MODIFICATION COEFFICIENT:		1.5
	F. SEISMIC BASE SHEAR		0.05W
	G. ANALYSIS PROCEDURE:		EQUIVALENT LATERAL FRAME

FOUNDATIONS

1. FOUNDATION DESIGN IS BASED, IN PART, ON THE PRESUMPTIVE LOAD BEARING VALUES PRESCRIBED IN THE BUILDING CODE, UNLESS A SOILS REPORT IS AVAILABLE. CONTRACTOR SHALL HIRE A GEOTECHNICAL ENGINEER TO VERIFY THE ASSUME LOAD BEARING VALUES ARE PRESENT IN THE SITE SOILS, AND NOTIFY THE ARCHITECT AND ENGINEER OF RECORD SHOULD SITE CONDITIONS BE PRESENT THAT PREVENT THE FOUNDATIONS DESIGN(S) CONTAINED IN THESE DRAWINGS FROM BEING INSTALLED.
2. FOUNDATION SOIL BEARING PRESSURE

A. VERTICAL		
a. ISOLATED FOUNDATIONS		2,000 PSF
b. WALL FOUNDATIONS		2,000 PSF
B. LATERAL		
a. COEFFICIENT OF FRICTION		0.25
b. LATERAL BEARING PRESSURE		150 PSF/FT

3. THE BOTTOM OF EXTERIOR FOUNDATIONS SHALL BEAR A MINIMUM OF 3'-6" BELOW EXTERIOR GRADE.
4. ALL CONTINUOUS FOUNDATIONS SHALL BE CENTERED UNDER WALLS, UNLESS NOTED OTHERWISE. ALL ISOLATED FOUNDATIONS SHALL BE CENTERED UNDER COLUMNS OR PIERS, UNLESS NOTED OTHERWISE.
5. FILL SHALL BE PLACED IN UNIFORM HORIZONTAL LAYERS NOT MORE THAN 12 INCHES IN LOOSE THICKNESS. EACH LAYER SHOULD BE UNIFORMLY COMPACTED TO A MINIMUM OF 95% MODIFIED PROCTOR.
6. NO SLABS OR FOUNDATIONS SHALL BE PLACED INTO OR ADJACENT TO SUBGRADE CONTAINING ICE, WATER, FROST, OR LOOSE MATERIAL.
7. WATER SHALL NOT BE PERMITTED TO ACCUMULATE IN FOUNDATION EXCAVATIONS.
8. COORDINATE WITH ARCHITECTURAL CIVIL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR SITE UTILITIES PENETRATING THE SLAB.
9. FOUNDATION CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVES FOR PLUMBING THROUGH FOUNDATIONS.
10. ALL REINFORGING BARS, DOWELS, ANCHOR BOLTS OR OTHER INSERTS SHALL BE SECURED IN POSITION PRIOR TO PLACING CONCRETE. REFER TO ARCHITECTURAL DRAWINGS FOR ANY DECORATIVE OBJECTS, MOULDS, GROOVES, INSERTS, ETC. TO BE PLACED IN CONCRETE.

CONCRETE

1. CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGN FOR REVIEW AT LEAST TEN (10) BUSINESS DAYS BEFORE PLACING CONCRETE. CONCRETE MIX DESIGN SHALL BEAR THE SEAL OF AN ENGINEER REGISTERED IN THE STATE THE MIX IS PLACED. THE MIX DESIGN SHALL INDICATE ALL STRENGTH DATA NECESSARY TO DEMONSTRATE COMPLIANCE WITH THE PROJECT SPECIFICATIONS. MIX DESIGN SHALL BE A STANDARD MIX WITH ESTABLISHED HISTORY PROVIDED FOR REVIEW.
2. CONCRETE SHALL CONFORM TO THE FOLLOWING 28-DAY COMPRESSIVE STRENGTHS:

LOCATION	DESIGN STRENGTH
FOUNDATION	3,500 PSI
INTERIOR SLAB	4,000 PSI
EXTERIOR SLAB, CURB, WALKWAY	4,000 PSI
ALL OTHER CONCRETE	3,500 PSI

3. SLUMP AT TIME OF PLACEMENT SHALL NOT EXCEED 4"+/-1", UNLESS A HIGH RANGE WATER-REDUCING ADMIXTURE IS PROVIDED. IN THIS CASE, SLUMP AT TIME OF PLACEMENT SHALL NOT EXCEED 10"+/-1".
4. CONCRETE EXPOSED TO WEATHER SHALL BE AIR ENTRAINED WITH AIR CONTENT RANGING BETWEEN 4 AND 8 PERCENT.
5. THE WATER/CEMENT RATIO SHALL NOT EXCEED 0.45.
6. THE USE OF CALCIUM CHLORIDE IS NOT PERMITTED.
7. PROVIDE 1" AT 45 DEGREE CHAMFER AT EXPOSED CORNERS.
8. COORDINATE WITH ARCHITECTURAL, CIVIL, MECHANICAL, AND PLUMBING DRAWINGS FOR FLOOR DRAIN LOCATIONS. SLOPE SLABS TO DRAINS.
9. COORDINATE ANY SLAB/WALL OPENINGS NOT SHOWN ON THESE DRAWINGS.

REINFORCING STEEL

1. CONTRACTOR SHALL SUBMIT REINFORGING STEEL SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO PLACING REINFORCING.
2. REINFORCING STEEL CONTRACTOR SHALL PROVIDE ALL NECESSARY ACCESSORIES, CHAIRS, SPACERS, SUPPORTS, ETC., TO SECURE THE REINFORCEMENT.
3. REINFORCING SHALL BE PLACED AND SECURED AS NECESSARY IN ACCORDANCE WITH CRSI "MANUAL OF STANDARD PRACTICE", LATEST EDITION.
4. ALL REINFORGING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A615, GRADE 60, UNLESS NOTED OTHERWISE.
5. ALL REINFORGING SHALL HAVE THE FOLLOWING MINIMUM CONCRETE COVER, UNLESS NOTED OTHERWISE:

LOCATION	COVERAGE
CONCRETE CAST AGAINST THE EARTH	3 IN
CONCRETE WITH FORMED SURFACES IN CONTACT WITH EARTH	2IN
CONCRETE EXPOSED TO WEATHER	2IN

6. CONTINUOUS REINFORCEMENT IN CONCRETE MUST BE SPLICED WITH A MINIMUM LAP ACCORDING TO THE CONCRETE REINFORGING LAP SPLICE SCHEDULE.
7. HORIZONTAL REINFORCEMENT IN CONCRETE WALLS SHALL BE CONTINUOUS AROUND CORNERS IN EACH DIRECTION FOR A MINIMUM OF 40 BAR DIAMETERS, OR 18 INCHES, MINIMUM.
8. STAGGER REINFORCEMENT SPLICES A MINIMUM OF TWICE THE LAP LENGTH FOR HORIZONTAL REINFORGING.
9. DOWELS SHALL BE PROVIDED AT ALL POUR JOINTS AND SHALL BE THE SAME SIZE AND SPACING AS REINFORGING STEEL DIRECTLY BEYOND POUR JOINTS.

ANCHOR BOLTS

1. CAST-IN-PLACE ANCHORS
   A. BOLTS SHALL BE ASTM F1554 GR 36, OR BETTER, AND PROVIDED WITH HEAVY HEX NUTS AND HEX HEADS PER ASTM A563, UNLESS NOTED OTHERWISE.
   B. ALL ANCHOR BOLTS, NUTS, AND WASHERS SHALL BE HOT DIP GALVANIZED CONFORMING TO ASTM A153, CLASS C.
   C. ANCHOR BOLTS SHALL BE THREADED FOR FULL PROJECTION ABOVE ROUGH CONCRETE UNLESS NOTED OTHERWISE.
   D. PLACE ANCHOR BOLTS WITH A TEMPLATE.
   E. "WET STICK" ANCHORS ARE NOT ACCEPTABLE.
2. POST INSTALLED ANCHORS
   A. POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ARCHITECT PRIOR TO INSTALLING POST-INSTALLED ANCHORS IN PLACE OF MISSING OR MISPLACED CAST-IN-PLACE ANCHORS.
   B. POST-INSTALLED ANCHORS MAY BE GENERICALLY REFERRED TO AS EITHER "EPOXY" OR "ADHESIVE" ANCHORS.
   C. ALL POST-INSTALLED ANCHORS ARE BASED ON HILTI CORPORATION PRODUCT INFORMATION AND INSTALLATION METHODS.
   D. ADHESIVE ANCHORS IN DIRECT TENSION, AS NOTED IN THE DRAWINGS, MAY NOT BE INSTALLED UNTIL THE CONCRETE HAS CURED A MINIMUM OF 21-DAYS PER ACI 25.5.2.
   E. POST-INSTALLED ANCHORS SHALL BE INSTALLED BY INDIVIDUALS CERTIFIED BY THE MANUFACTURER. SUBMIT CERTIFICATIONS TO THE SPECIAL INSPECTOR PRIOR TO COMMENCING THE WORK.
   F. IF ANCHORS CANNOT BE INSTALLED AS DETAILED, NOTIFY THE ARCHITECT FOR ALTERNATE CONNECTION DETAILS.

STRUCTURAL WOOD

1. WOOD CONSTRUCTION SHALL BE FABRICATED IN ACCORDANCE WITH CHAPTER 23 OF THE BUILDING CODE. MAINTAIN FASTENING REQUIREMENTS OF TABLE 2304.9.1 OF THE BUILDING CODE.
2. DESIGN STRENGTHS

SPECIES	Fb (PSI)	Fv (PSI)	E (PSI)
INTERIOR DIMENSION LUMBER: #2 HEM-FIR	850	150	1,300,000
EXTERIOR TREATED LUMBER: #1 S. PINE	1,500	175	1,600,000
LAMINATED VENEER LUMBER (LVL)	2,600	285	2,000,000

3. ATTACH NAILERS AND BLOCKING TO STEEL MEMBERS WITH 0.177" DIAMETER HILTI DS POWDER ACTUATED FASTENERS SPACED 16" ON CENTER, UNLESS NOTED OTHERWISE.
4. SILL PLATES SHALL BE ANCHORED TO THE FOUNDATION WITH 1/2" DIAMETER ANCHOR RODS WITH 7" OF EMBEDMENT SPACED NOT MORE THAN 48" APART UNLESS NOTED OTHERWISE. THERE SHALL BE A MINIMUM OF 2 ANCHOR RODS PER PIECE WITH ONE ROD NOT MORE THAN 12" OR LESS THAN 4" FROM END OF EACH PIECE.
5. ALL MEMBER SIZES SHOWN ON PLAN ARE NOMINAL DIMENSIONS.
6. SPACING OF BRIDGING FOR FLOOR AND ROOF JOISTS SHALL NOT EXCEED THE LESSER OF THE SPACING CALLED FOR BY THE TRUSS MANUFACTURER OR 8'-0".
7. BOLTS SHALL BE ASTM A307 GRADE A OR BETTER AND SHALL BE GALVANIZED.
8. ALL BOLT HEADS AND NUTS WHICH BEAR AGAINST THE FACE OF WOOD MEMBERS SHALL BE PROVIDED WITH METAL WASHERS.
9. COMMON NAILS SHALL BE USED UNLESS OTHERWISE NOTED AND SHALL MEET ASTM F1667 NLGMS.
10. MULTIPLE FLY LVL MEMBERS SHALL BE INTERCONNECTED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
11. METAL FRAMING ACCESSORIES SHALL BE SIMPSON STRONG-TIE OR APPROVED EQUIVALENT. INSTALLATION SHALL BE PER MANUFACTURER'S RECOMMENDATIONS, INSTRUCTIONS AND BEST PRACTICES.

WOOD SHEATHING

1. EACH PANEL SHALL BE IDENTIFIED WITH THE APPROPRIATE TRADEMARK OF APA, AND SHALL MEET THE REQUIREMENTS OF THE LATEST VOLUNTARY PRODUCT STANDARD PS 1, PS 2, APA PRP-108 PERFORMANCE STANDARDS.
2. PANEL THICKNESS, GRADE AND GROUP NUMBER OR SPAN RATING SHALL BE AT LEAST EQUAL TO THAT SHOWN ON THE DRAWINGS. APPLICATION SHALL BE IN ACCORDANCE WITH RECOMMENDATIONS OF APA.
3. SHEATHING SHALL BE APA SPAN RATED 48/24.
4. NAILS INTO SHEATHING SHALL BE DRIVEN SO HEAD IS FLUSH WITH SURFACE OF SHEATHING.
5. INSTALL WITH THE LONG DIMENSION OR STRENGTH AXIS OF THE PANEL ACROSS SUPPORTS AND WITH PANEL CONTINUOUS OVER TWO OR MORE SPANS. STAGGER PANEL JOINTS. PANEL AND END JOINTS SHALL OCCUR OVER FRAMING. SPACING OF 1/8" IS RECOMMENDED AT PANEL ENDS AND EDGES, UNLESS NOTED OTHERWISE BY PANEL MANUFACTURER.
6. SUITABLE EDGE SUPPORT SHALL BE PROVIDED FOR ROOF SHEATHING IN ACCORDANCE WITH THE RECOMMENDATIONS OF APA BY USE OF PANEL CLIPS, TONGUE-AND-GROOVE EDGES OR LUMBER BLOCKING BETWEEN JOINTS.
7. TYPICAL FASTENING OF WOOD FRAMING SHALL BE PER TABLE 2304.10.1 OF THE BUILDING CODE, UNLESS OTHERWISE NOTED.

WOOD ROOF TRUSSES

1. TRUSSES SHALL BE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH THE LATEST EDITION OF ANSI/TPI-1.
2. TRUSS SHOP DRAWINGS SHALL BE SUBMITTED FOR ENGINEER'S REVIEW PRIOR TO CONSTRUCTION AND SHALL CONTAIN THE INFORMATION REQUIRED IN SECTION 2303.4.1 OF THE BUILDING CODE AS A MINIMUM. WOOD TRUSS SHOP DRAWINGS SHALL BE SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT.
3. ALL LUMBER USED IN THE FABRICATION OF TRUSS CHORDS SHALL BE STRESS GRADED. CONNECTOR PLATES SHALL BE ASTM A653 GRADE 33 GALVANIZED STEEL (MINIMUM 20 GAUGE) PER TPI-1 SPECIFICATION.
4. TRUSSES AND JOISTS SHOWN AS A GENERAL LAYOUT ONLY. CONSIDER SPACING SHOWN AS MAXIMUM WITH INCIDENTAL FRAMING BRACING, AND BLOCKING ADDED AS NEEDED FOR STANDARD WOOD CONSTRUCTION.
5. TRUSSES AND ENGINEERED LUMBER SHALL BE DESIGNED TO MEET ALL LOADING AND SPAN CONDITIONS (INCLUDING UPLIFT DUE TO WIND) AS INDICATED ON THE PLANS. DESIGN TRUSSES AND ENGINEERED LUMBER FOR CONCENTRATED LOADS AND CANTILEVERS AS INDICATED ON ARCHITECTURAL AND STRUCTURAL PLANS.
6. TRUSS BEARING STRESSES SHALL BE LIMITED TO THE ADJUSTED PERPENDICULAR TO GRAIN STRESSES OF THE MATERIAL ON WHICH THE TRUSSES ARE BEARING. REFER TO STRUCTURAL WOOD NOTES FOR SPECIES TO BE USED.
7. TRUSS SUPPLIER SHALL INDICATE ALL NECESSARY BLOCKING, BRACING AND CONNECTION MATERIAL TO PROVIDE A COMPLETED INSTALLATION. THIS INFORMATION SHALL BE CLEARLY SHOWN ON ERECTION PLANS.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR BRACING AND/OR BRIDGING REQUIRED DURING CONSTRUCTION. 2x4 CONTINUOUS BRIDGING SHALL BE PROVIDED AT TOP AND BOTTOM TRUSS CHORDS 8'-0" ON CENTER, MAXIMUM, AND AS REQUIRED BY THE TRUSS MANUFACTURER. BRIDGING AND BRACING SHALL BE ANCHORED TO THE END WALLS.
9. THE GENERAL CONTRACTOR SHALL COORDINATE ACTUAL WEIGHTS AND LOCATIONS OF EQUIPMENT TO BE USED WITH THE TRUSS SUPPLIER FOR PROPER DESIGN OF MEMBERS. THE GENERAL CONTRACTOR SHALL VERIFY THAT WEIGHTS OF EQUIPMENT DO NOT EXCEED THE MAXIMUM WEIGHTS SHOWN.
10. TRUSSES SHALL BE HANDLED AND ERECTED SO AS NOT TO BE SUBJECT TO EXCESSIVE LATERAL BENDING AND BE IN ACCORDANCE WITH HIB-91 AND TPI-1.
11. CUTTING AND ALTERATION OF TRUSSES SHALL BE PERMITTED WITHOUT WRITTEN APPROVAL FROM THE TRUSS MANUFACTURER.

SPECIAL INSPECTIONS

1. SPECIAL INSPECTIONS ARE REQUIRED BY THE BUILDING CODE AND SHALL BE PERFORMED ON THIS PROJECT IN ACCORDANCE WITH CHAPTER 11 OF THE BUILDING CODE.
2. THE OWNER, OR OWNER'S AUTHORIZED AGENT, OTHER THAN THE CONTRACTOR, SHALL EMPLOY ONE OR MORE APPROVED AGENCIES TO PROVIDE SPECIAL INSPECTIONS AND TESTS DURING CONSTRUCTION ON THE TYPE OF WORK IDENTIFIED IN THE STATEMENT ABOVE. THESE SPECIAL INSPECTIONS ARE IN ADDITION TO THE INSPECTIONS BY THE BUILDING OFFICIAL. AN APPROVED AGENCY IS DEFINED AS AN ESTABLISHED AND RECOGNIZED AGENCY THAT IS REGULARLY ENGAGED IN CONDUCTING TESTS OR FURNISHING INSPECTION SERVICES, WHERE SUCH AGENCY HAS BEEN APPROVED BY THE BUILDING OFFICIAL.
3. PRIOR TO THE START OF THE CONSTRUCTION, THE APPROVED AGENCIES SHALL PROVIDE WRITTEN DOCUMENTATION TO THE BUILDING OFFICIAL DEMONSTRATING COMPETENCE AND RELEVANT EXPERIENCE OR TRAINING OF THE SPECIAL INSPECTORS WHO WILL PERFORM THE SPECIAL INSPECTIONS AND TESTS DURING CONSTRUCTION.
4. APPROVED AGENCIES SHALL KEEP RECORDS OF SPECIAL INSPECTIONS AND TESTS. THE APPROVED AGENCY SHALL SUBMIT REPORTS OF SPECIAL INSPECTIONS AND TESTS TO THE BUILDING OFFICIAL AND REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. REPORTS SHALL INDICATE THAT WORK INSPECTED OR TESTED WAS OR WAS NOT COMPLETED IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THEY ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO COMPLETING THAT PHASE OF THE WORK.
5. THE FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND TESTS, AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS OR TESTS, SHALL BE SUBMITTED AT A POINT IN TIME AGREED UPON PRIOR TO THE START OF THE WORK BY THE OWNER OR THE OWNER'S AUTHORIZED AGENT TO THE BUILDING OFFICIAL.
6. CONCRETE SPECIAL INSPECTIONS SHALL CONFORM TO SECTION 1705.3 AND TABLE 1705.3 "REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION." FOR POST-INSTALLED ANCHORS, SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH 17.8.2 IN ACI 318, OR OTHER QUALIFICATION PROCEDURES. WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED, SPECIAL INSPECTION REQUIREMENTS SHALL BE SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO THE COMMENCEMENT OF THE WORK.
7. SOIL SPECIAL INSPECTIONS SHALL CONFORM TO SECTION 1705.6. THE APPROVED GEOTECHNICAL REPORT AND CONSTRUCTION DOCUMENTS PREPARED BY THE REGISTERED DESIGN PROFESSIONAL SHALL BE USED TO DETERMINE COMPLIANCE. WHEN NO GEOTECHNICAL REPORT IS AVAILABLE, THE CONTRACTOR SHALL RETAIN A GEOTECHNICAL ENGINEER TO VERIFY THE FOUNDATION DESIGN REQUIREMENTS OF THE "FOUNDATION NOTES". THIS INFORMATION SHALL SERVE AS THE BASIS FOR SCOPE OF SPEGIAL INSPECTIONS FOR THE BUILDING.

EXISTING CONDITIONS

1. EXISTING CONDITIONS SHALL BE VERIFIED PRIOR TO FABRICATION AND CONSTRUCTION.
2. SEE ARCHITECTURAL DRAWINGS FOR EXTENT OF DEMOLITION OF EXISTING STRUCTURE. CONTRACTOR TO DETERMINE SUITABLE DEMOLITION PROCEDURES AND SEQUENCING TO ENSURE SAFETY AND STABILITY DURING DEMOLITION, INCLUDING, BUT NOT LIMITED TO, ADDITION OF TEMPORARY SHORING/BRACING NECESSARY TO SUPPORT AND PREVENT DAMAGE TO REMAINING CONSTRUCTION.
3. NOTIFY ARCHITECT/ENGINEER IF CONDITIONS ARE PRESENT THAT DIFFER FROM THESE DRAWINGS.
4. EVERY ATTEMPT SHALL BE MADE FOR ADJACENT CONSTRUCTION TO MATCH NEW DESIGN.
5. THE EXISTING CONDITIONS SHOWN IN THESE DRAWINGS REFLECT WHAT WAS OBSERVED DURING DESIGN.

ABBREVIATIONS

AB	ANCHOR BOLT	FD	FLOOR DRAIN	PSI	POUNDS PER SQUARE INCH
BOT	BOTTOM	FDN	FOUNDATION	RD	ROOF DRAIN
BLDG	BUILDING	FIN	FINISH	REF	REFER/REFERENCE
CL	CENTERLINE	FLR	FLOOR	REQ'D	REQUIRED
C	CAMBER	FTG	FOUNDATION	SQ	SQUARE
CIP	CAST IN PLACE	GA	GUAGE	SF	SQUARE FOOT
CJ	CONSTRUCTION OR CONTROL JOINT	GALV	GALVANIZED	STD	STANDARD
COL	COLUMN	HSS	HOLLOW STRUCTURAL STEEL	STL	STEEL
CONC	CONCRETE	K	KIP	SYM	SYMMETRICAL
CONN	CONNECTION	KSF	KIP PER SQUARE FOOT	T	TOP
CONST	CONSTRUCTION	MAX	MAXIMUM	T/	TOP OF
CONT	CONTINUOUS	MECH	MECHANICAL	T&B	TOP AND BOTTOM
DIA	DIAMETER	MIN	MINIMUM	THKN	THICKENED
EA	EACH	MISC	MISCELLANEOUS	TYP	TYPICAL
EF	EACH FACE	NIC	NOT IN CONTRACT	UNO	UNLESS OTHERWISE NOTED
EL OR ELEV	ELEVATION	NTS	NOT TO SCALE	VERT	VERTICAL
EMBED	EMBEDMENT	OC	ON CENTER	W	WIDE
ENT	EACH WAY	OPNG	OPENING	W/	WITH
EXP	EXPANSION	OPP	OPPOSITE	W/O	WITHOUT
EXP JT	EXPANSION JOINT	OWSJ	OPEN WEB STEEL JOIST	WP	WORK POINT
EXT	EXTERIOR	PSF	POUNDS PER SQUARE FOOT	+/-	PLUS OR MINUS

CONCRETE REINFORCING DEVELOPMENT LENGTH AND LAP SPLICE SCHEDULE

BAR SIZE	DEVELOPMENT LENGTH					
	F'c = 3,000 PSI		F'c = 3,500 PSI		F'c = 4,000 PSI	
	CASE A	CASE B	CASE A	CASE B	CASE A	CASE B
#3	22"	17"	20"	16"	19"	15"
#4	29"	22"	27"	21"	25"	19"
#5	36"	28"	33"	26"	31"	24"
#6	43"	33"	40"	31"	37"	29"
#7	63"	48"	58"	45"	54"	42"
#8	72"	55"	66"	51"	62"	48"
#9	81"	62"	75"	58"	70"	54"
#10	90"	69"	83"	64"	78"	60"
#11	98"	76"	91"	70"	85"	66"

NOTES:
1. VALUES IN TABLE ARE FOR PLAIN BARS WITH CLEAR SPACING AT LEAST 2xBAR DIAMETER AND CLEAR COVER AT LEAST 1xBAR DIAMETER WHEN STIRRUPS ARE NOT PROVIDED, OR, WHEN STIRRUPS ARE PROVIDED, CLEAR SPACING AND CLEAR COVER ARE NOT LESS THAN 1xBAR DIAMETER. FOR OTHER CONDITIONS, MULTIPLY VALUES BY 1.5.
2. VALUES IN TABLE ARE FOR ASTM A615 GRADE 60 DEFORMED BARS.
3. CASE A IS NOTED AS PLAIN BARS WITH MORE THAN 12 INCHES OF FRESH CONCRETE PLACED BELOW REINFORCEMENT. WALL HORIZONTAL REINFORCEMENT MAY BE CONSIDERED AS CASE A.
4. CASE B IS NOTED AS PLAIN BARS AT ALL OTHER LOCATIONS INCLUDING VERTICAL BARS, BARS WITH LESS THAN 12 INCHES OF FRESH CONCRETE PLACED BELOW THE REINFORCEMENT AND VERTICAL BARS.
5. FOR LIGHTWEIGHT CONCRETE, MULTIPLY VALUES BY A FACTOR OF 1.33.
6. FOR EPOXY-COATED OR ZINC AND EPOXY DUAL COATED REINFORCING WHERE CLEAR COVER IS LESS THAN 3xBAR DIAMETER, OR CLEAR SPACING IS LESS THAN 6xBAR DIAMETER, MULTIPLY VALUES BY A FACTOR OF 1.5. FOR OTHER EPOXY-COATED OR ZINC AND EPOXY DUAL COATED BARS, MULTIPLY VALUES BY A FACTOR OF 1.2.
7. FOR LAP SPLICE LENGTH, MULTIPLY VALUES BY A FACTOR OF 1.3.
8. BARS MAY ONLY BE LAPPED SPLICED WITH MECHANICAL COUPLERS. MECHANICAL COUPLERS SHALL DEVELOP 125% OF THE BAR YIELD STRENGTH. NO ALTERNATIVE METHOD IS PERMITTED.
9. FOR LAP SPLICES WHERE REINFORGING ARE TWO DIFFERENT SIZES, USE THE GREATER VALUE OF THE LAP SPLICE LENGTH OF THE SMALLER BAR, OR THE DEVELOPMENT LENGTH OF THE LARGER BAR.

HOLLAND ENGINEERING
220 Hoover Boulevard, Suite 2
Holland, Michigan 49423
www.hollandengineering.com
T 616-392-6838 F 616-392-2116

HDJ Hooker DeJong Inc
ARCHITECTS • ENGINEERS • PLANNERS

Hooker DeJong Inc
ARCHITECTS • ENGINEERS • PLANNERS
316 Morris Avenue
Suite 410
Muskegon, MI 49440
P 231.722.3407
F 231.722.2589

STATE OF MICHIGAN — LICENSED PROFESSIONAL ENGINEER
JOSHUA THOMAS HOST
ENGINEER
No. 6201058848
DATE: 04/21/2021
EXPIRES: 02/03/2023

HELEN NEWBERRY JOY HOSPITAL
MANISTIQUE LAKES FAMILY CLINIC
W17530 MAIN ST., CURTIS, MI 49820

Project Number	4-1274

ISSUANCE

No.	Date	Description
3	2021.04.21	PERMITS
4	2021.05.19	BIDS

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STRUCTURAL NOTES

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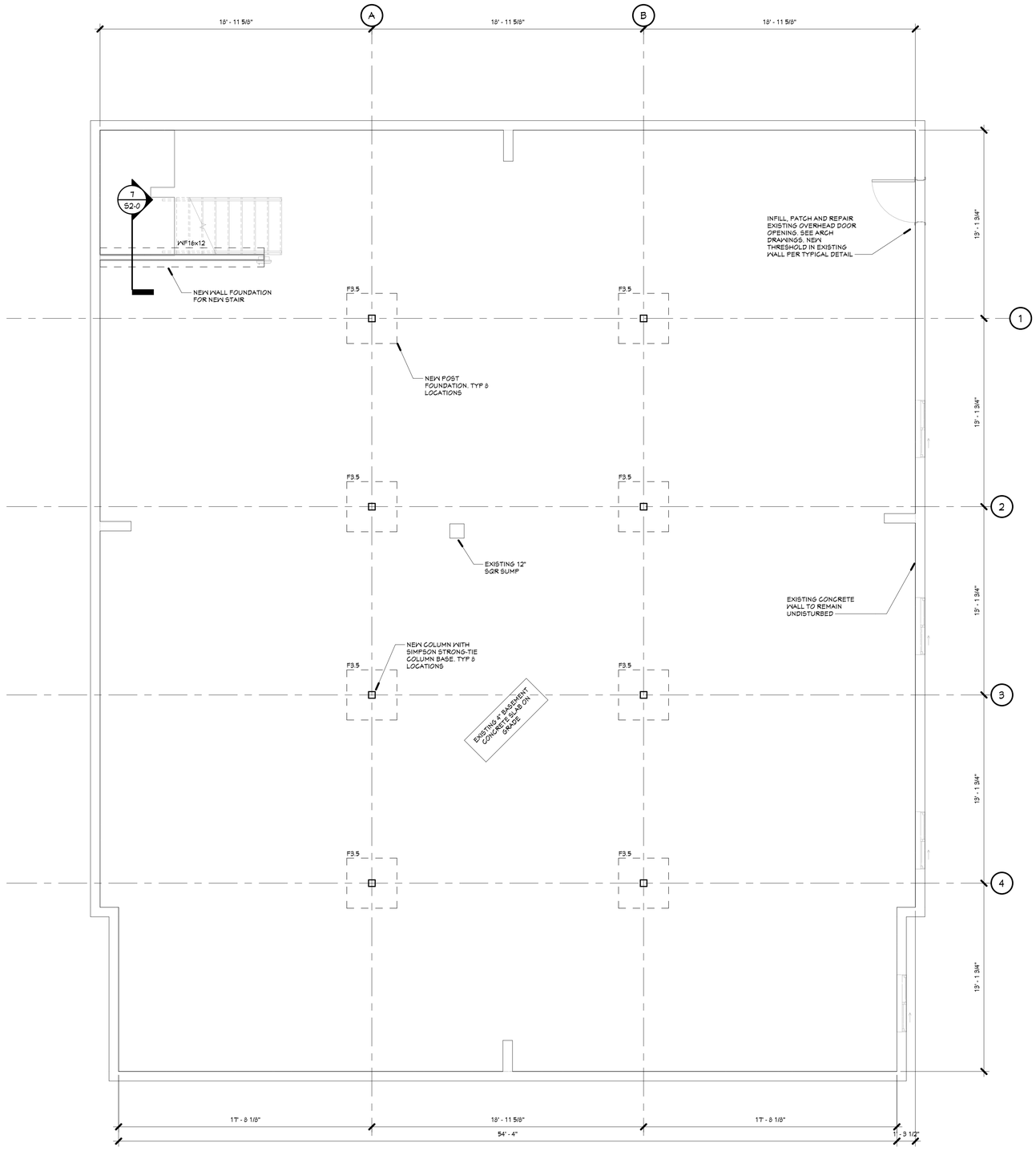

1 S1-0 BASEMENT FOUNDATION PLAN

1/4" = 1'-0"

FOUNDATION PLAN NOTES

1. ALL FOUNDATIONS TO BE CENTERED BELOW WALLS AND COLUMNS UNLESS NOTED OTHERWISE.
2. SEE FOUNDATION SCHEDULE FOR FOUNDATION SIZE AND REINFORCING REQUIREMENTS.
3. SEE FOUNDATION DETAILS FOR ADDITIONAL REQUIREMENTS

EXISTING CONDITIONS

1. SEE ARCHITECTURAL DRAWINGS FOR LIMITS OF EXISTING CONDITIONS TO REMAIN.
2. EXISTING CONCRETE BASEMENT WALLS AND LINTELS TO REMAIN UNDISTURBED
3. EXISTING OVERHEAD DOOR TO BE INFILLED PER ARCHITECTURAL REQUIREMENTS. SEE DRAWINGS. DO NOT DISTURB LINTEL
4. SEE STRUCUTRAL NOTES FOR ADDITIONAL INFORMATION.

FOUNDATION SCHEDULE

MARK	LENGTHxWIDTHxTHICKNESS	REINFORCING
F1	12" DIAMETERx48"	1.4x1.4x6"x6" WELDED WIRE CAGE
F3.5	3'-6"x3'-6"x12"	(4)-#5 BOTTOM BARS, EACH WAY, EQUALLY SPACED
WF16x12	1'-4"x12" THICK	(2)-#5 BOTTOM BARS CONTINUOUS
WF24x12	2'-0"x12" THICK	(3)-#5 BOTTOM BARS CONTINUOUS

HOLLAND ENGINEERING
220 Hoover Boulevard, Suite 2
Holland, Michigan 49423
www.hollandengineering.com
T 616-392-8938 F 616-392-2116

HDJ Hooker DeJong Inc
ARCHITECTS • ENGINEERS • PLANNERS

Hooker DeJong Inc
ARCHITECTS • ENGINEERS • PLANNERS
316 Morris Avenue
Suite 410
Muskegon, MI 49440
P 231.722.3407
F 231.722.2589

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BASEMENT FOUNDATION PLAN

S1-0

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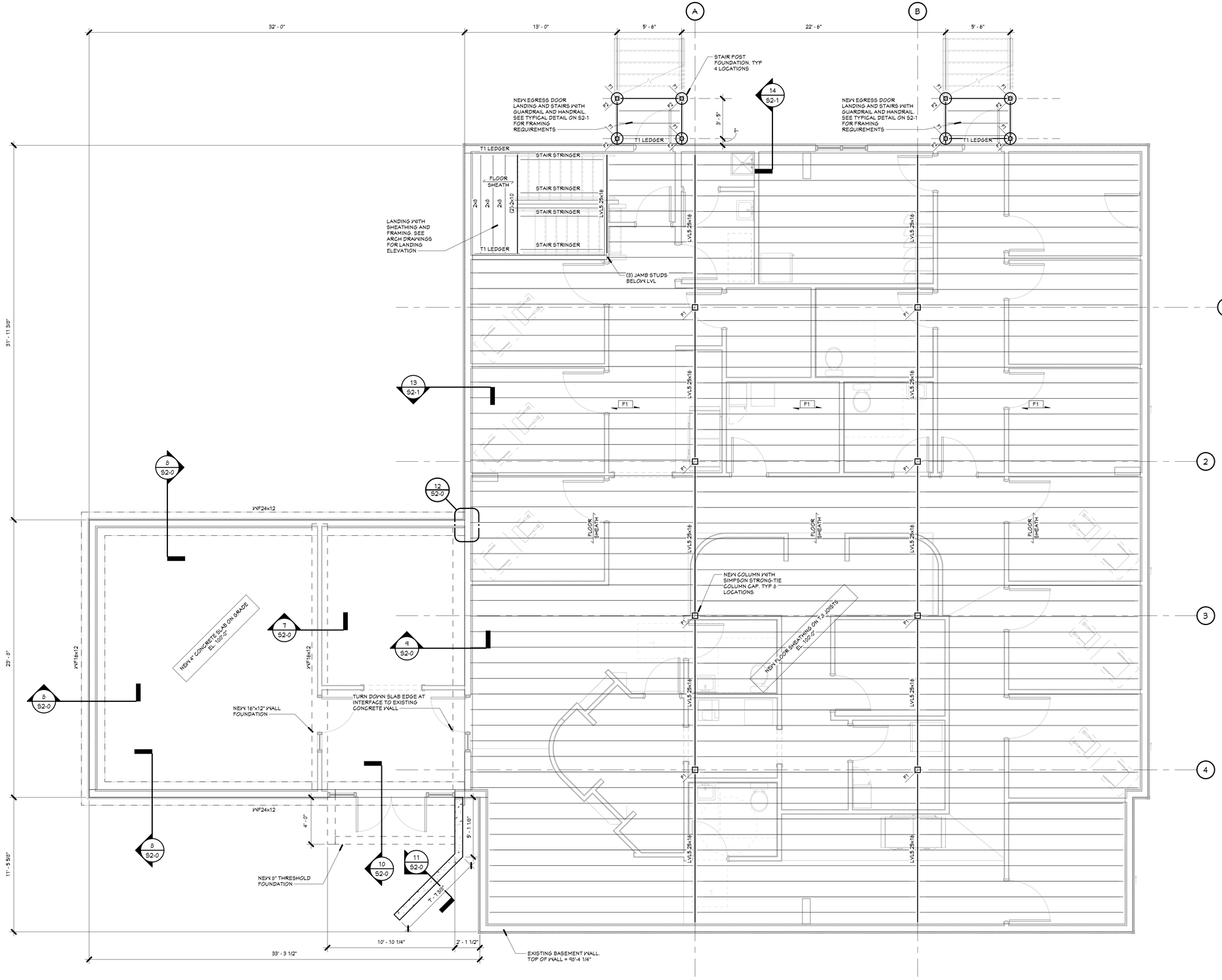

1 S1-1 FIRST FLOOR FOUNDATION AND FRAMING PLAN

1/4" = 1'-0"

FOUNDATION NOTES

1. TOP OF SLAB ELEVATION = 100'-0" UNLESS NOTED OTHERWISE ON PLAN. ELEVATION CORRESPONDS TO FINISH FLOOR ELEVATION ON CIVIL SITE DRAWINGS. VERIFY FINAL ELEVATION WITH CIVIL DRAWINGS.
2. TOP OF WALL = 100'-0". BOTTOM OF FOUNDATION = 94'-0"
3. ALL FOUNDATIONS TO BE CENTERED BELOW WALLS AND COLUMNS UNLESS NOTED OTHERWISE ON PLAN.
4. SEE FOUNDATION SCHEDULE AND TYPICAL DETAILS FOR ADDITIONAL REQUIREMENTS.
5. SLAB ON GRADE SHALL BE 4" CONCRETE REINFORCED W2.9x2.9x6"x6" WELDED WIRE REINFORCING ON A 10 MIL VAPOR BARRIER. PLACE SLAB ON 12" MIN. COMPACTED SAND FILL. IN LIEU OF WELDED WIRE REINFORCING, SLABS MAY BE REINFORCED WITH #4 BARS AT 18" C/C, OR STEEL, OR SYNTHETIC NYLON OR POLYPROPLENE FIBERS. REQUIRED VOLUME OF FIBERS SHALL BE DETERMINED BY SUPPLIER. FIBERS SHALL BE PLACED IN CONCRETE AT BATCH PLANT.
6. CONTROL JOINTS SHALL BE SPACED NO MORE THAN 12'-0" C/C. MAINTAIN MAXIMUM ASPECT RATIO OF 1.5. COORDINATE LOCATIONS WITH JOINTS IN FLOORING MATERIALS, AND/OR CHANGES IN FLOOR FINISH MATERIAL.
7. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR ANY SLAB RECESSES, PITS, OR DIMENSIONS NOT SHOWN ON PLAN.
8. SEE TYPICAL THRESHOLD DETAIL TO BE PROVIDED AT ALL EXTERIOR DOOR LOCATIONS. COORDINATE WITH ARCH DRAWGS FOR DOOR LOCATIONS NOT SHOWN ON THIS DRAWING.

FRAMING PLAN NOTES

1. ALL EXTERIOR WALLS ARE 2x6 STUD SPACED 16" C/C.
2. FLOOR SHEATHING SHALL BE 3/4" OSB OR PLYWOOD. SHEATHING SHALL BE GLUED AND NAILED TO FLOOR JOISTS. SEE FASTENING SCHEDULE FOR REQUIREMENTS.
3. POST BASE CONNECTORS TO BE INSTALLED ON POST PER MANUFACTURER'S CONNECTION REQUIREMENTS.
4. T.JI FLOOR JOISTS
   - A. ALL BLOCKING, HANGERS, RIM BOARDS AND RIM JOISTS AT END SUPPORTS OF THE T.JI JOISTS MUST BE COMPLETELY INSTALLED AND PROPERLY NAILED
   - B. SHEATHING MUST BE COMPLETELY ATTACHED TO EACH T.JI JOIST BEFORE ADDITIONAL LOADS CAN BE PLACED ON THE SYSTEM.
   - C. T.JI JOIST FLANGES TO REMAIN STRAIGHT WITHIN A TOLERANCE OF 1/2" FROM TRUE ALIGNMENT.
   - D. REFER TO JOIST MANUFACTURERS LITERATURE FOR ALLOWABLE HOLES TO BE PLACED WITHIN JOIST WEB. NO HOLES ARE PERMITTED WITHIN 6" OF SUPPORTS.
5. RECOMMENDATIONS TO PREVENT FLOOR NOISE
   - A. SEAT T.JI JOISTS TIGHT TO BOTTOM OF JOIST HANGER. PLACE DAB OF ASTM D3498 (AFG-01) SUBFLOOR ADHESIVE IN THE JOIST HANGER PRIOR TO INSTALLING JOIST
   - B. NAIL INTERIOR PARTITIONS TO JOISTS WHEN POSSIBLE
   - C. FOR PARTITIONS FASTENED ONLY TO FLOOR SHEATHING, PLACE BEAD OF ASTM D3498 (AFG-01) SUBFLOOR ADHESIVE UNDER WALL AND CROSS NAIL
   - D. KEEP MATERIALS DRY, AND PROPERLY GLUE PANELS TO JOISTS. PANELS BECOMING EXCESSIVELY WET DURING CONSTRUCTION WILL SHRINK DURING DRYING.
   - E. EXCISE CARE WHEN NAILING. NAILS ONLY PARTIALLY HITTING JOIST EDGES SHOULD BE REMOVE.

FLOOR FRAMING SCHEDULE

MARK	FRAMING @ MAX. SPACING	JOIST HANGER
F1	16" TJI 230 @ 16" C/C	SIMPSON STRONG-TIE ITS2.37/16

COLUMN SCHEDULE

MARK	SIZE	BASE CONNECTOR	CAP CONNECTOR	NOTES
P1	6x6	SST CBSQ66-SDS2	SST CCQ66SDS2.5	GROUT SOLID BELOW BASE
P2	4x4	SST CBSQ44-SDS2	--	

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ARCHITECTS • ENGINEERS • PLANNERS
316 Morris Avenue
Suite 410
Muskegon, MI 49440
P 231.722.3407
F 231.722.2589

STATE OF MICHIGAN
JOSHUA THOMAS HOST
ENGINEER
No. 6201058848
LICENSED PROFESSIONAL ENGINEER
DATE: 04/21/2021
EXPIRES: 02/03/2023

HELEN NEWBERRY JOY
MANISTIQUE LAKES FAMILY
CLINIC
W17530 MAIN ST., CURTIS, MI 49820

HELEN NEWBERRY JOY HOSPITAL

Project Number 4-1274

ISSUANCE

No.	Date	Description
3	2021.04.21	PERMITS
4	2021.05.19	BIDS

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FIRST FLOOR FOUNDATION AND FRAMING PLAN

S1-1

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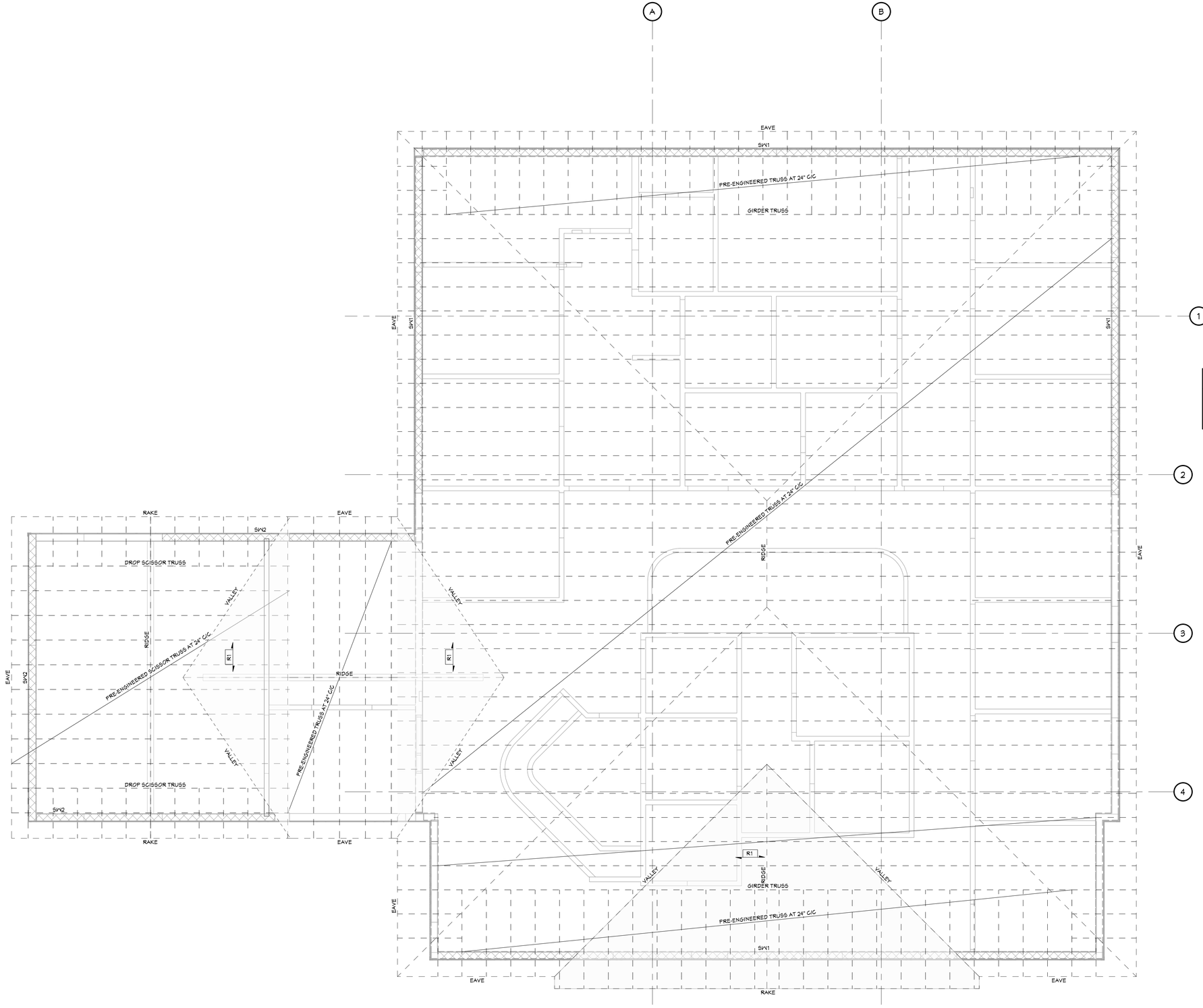

ROOF FRAMING PLAN NOTES

1. ⊠ DENOTES SHEAR WALL LOCATIONS, SEE TYPICAL DETAILS ON S2.1
2. FOR ROOF SHEATHING, SEE DIAPHRAGM SCHEDULE FOR PANEL THICKNESS, REQUIRED NAILING SIZES, PATTERNS AND EDGE SUPPORT REQUIREMENTS. ENTIRE ROOF IS TO SERVE AS DIAPHRAGM.
3. PROVIDE SIMPSON STRONG-TIE H3 TIES AT ALL ROOF AND GIRDER TRUSSES.
4. TRUSS MANUFACTURER SHALL COORDINATE FINAL FRAMING LAYOUT, SPACING, AND WEB PENETRATIONS WITH VARIOUS TRADES.
5. TRUSS MANUFACTURER TO MATCH ARCHITECTURAL DRAWINGS FOR TRUSS PROFILE(S). COORDINATE DISCREPANCIES WITH PROJECT ARCHITECT.
6. VALLEY TRUSSES TO BE FASTENED DIRECTLY TO SHEATHING WITH SIMPSON STRONG-TIE VTCR VALLEY TRUSS CLIPS.
7. "HK" DENOTES HEADER OVER WALL OPENING. SEE TYPICAL DETAIL FOR SIZE AND FASTENING REQUIREMENTS.
8. COORDINATE WITH TRADES FOR ANY REQUIRED FLOOR PENETRATIONS. TRUSS MANUFACTURER TO PROVIDE GIRDER TRUSSES AS REQUIRED.

ROOF FRAMING SCHEDULE

MARK	FRAMING @ MAX. SPACING	NOTES
R1	TRUSS OVERFRAME @ 24" C/C	

ROOF FRAMING PLAN

1/4" = 1'-0"

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Muskegon, MI 49440
P 231.722.3407
F 231.722.2589

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LICENSED PROFESSIONAL ENGINEER
JOSHUA THOMAS HOST
ENGINEER
No. 6201058848
DATE: 04/21/2021
EXPIRES: 02/03/2023

HELEN NEWBERRY JOY HOSPITAL
MANISTIQUE LAKES FAMILY CLINIC
W17530 MAIN ST., CURTIS, MI 49820

Project Number	4-1274

ISSUANCE

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4	2021.05.19	BIDS

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ROOF FRAMING PLAN

S1-2

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316 Morris Avenue
Suite 410
Muskegon, MI 49440
P 231.722.3407
F 231.722.2589

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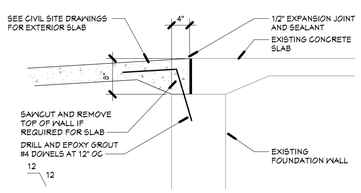
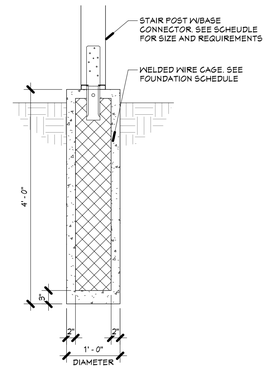
CONCRETE SECTIONS AND DETAILS

S2-0



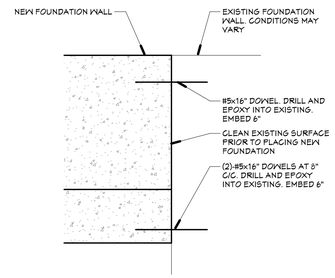
TYP. NEW THRESHOLD DETAIL AT EXISTING WALL

14 / S2-0 — 3/4" = 1'-0"



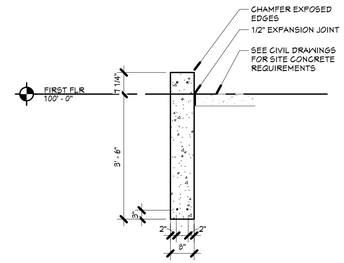
TYP. STAIR POST FOUNDATION

13 / S2-0 — 3/4" = 1'-0"



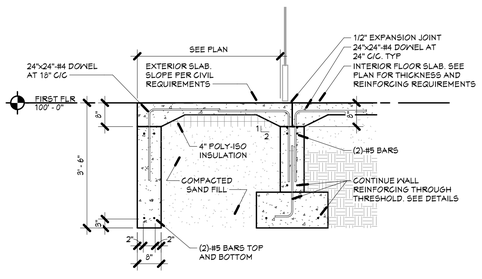
NEW FOUNDATION TO EXISTING WALL DETAIL

12 / S2-0 — 3/4" = 1'-0"



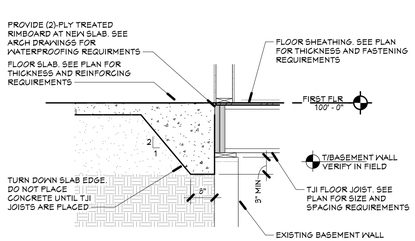
SECTION

11 / S2-0 — 1/2" = 1'-0"



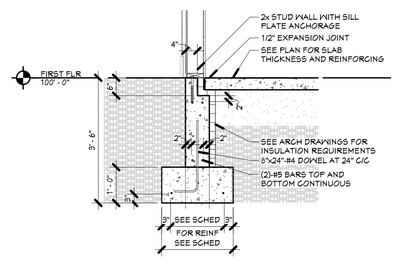
TYP. THRESHOLD FOUNDATION

10 / S2-0 — 1/2" = 1'-0"



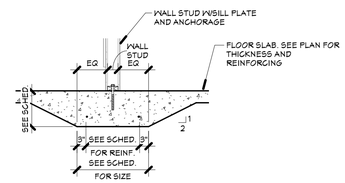
SECTION AT TURN-DOWN

9 / S2-0 — 1/2" = 1'-0"



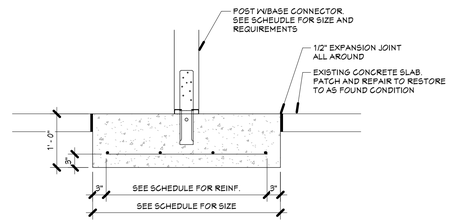
TYP. EXTERIOR WALL FOUNDATION

8 / S2-0 — 1/2" = 1'-0"



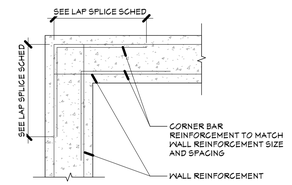
TYP. INTERIOR WALL FOUNDATION

7 / S2-0 — 1/2" = 1'-0"



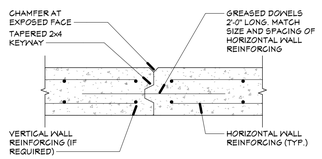
TYP. POST FOUNDATION

6 / S2-0 — 3/4" = 1'-0"



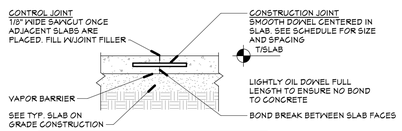
TYP. WALL CORNER REINFORCEMENT

5 / S2-0 — 1" = 1'-0"



TYP. WALL CONSTRUCTION JOINT

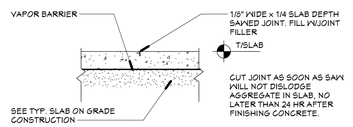
4 / S2-0 — 1" = 1'-0"



DOWEL SCHEDULE		
SLAB THICKNESS	DOWEL SIZE	DOWEL SPACING C/C
4"	1/2"x16"	12"
5" - 6"	5/8"x16"	12"
7" - 8"	1"x16"	12"

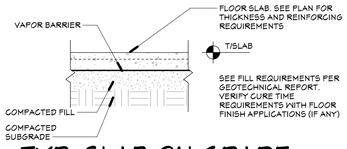
TYP. SLAB ON GRADE CONSTRUCTION JOINT

3 / S2-0 — 3/4" = 1'-0"



TYP. SLAB ON GRADE CONTROL JOINT

2 / S2-0 — 3/4" = 1'-0"



TYP. SLAB ON GRADE CONSTRUCTION

1 / S2-0 — 3/4" = 1'-0"

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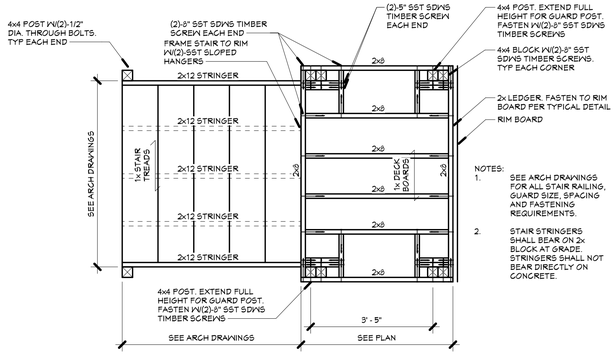
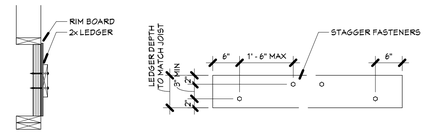


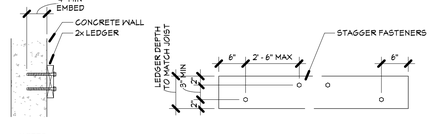
17 S2-1 TYPICAL EXTERIOR STAIR

1/2" = 1'-0"



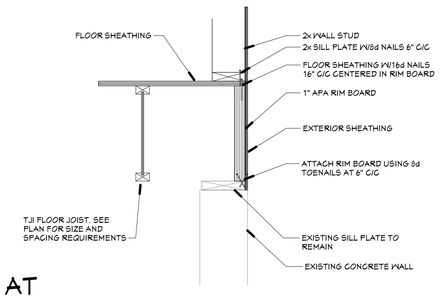
16 S2-1 TYP. LEDGER CONNECTION AT RIM BOARD

3/4" = 1'-0"



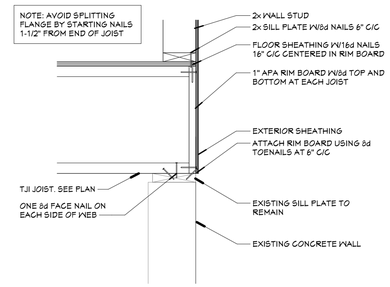
15 S2-1 TYP. LEDGER CONNECTION AT CONCRETE WALL

3/4" = 1'-0"



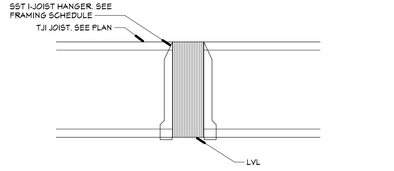
14 S2-1 TYP. JOIST PARALLEL TO WALL

1" = 1'-0"



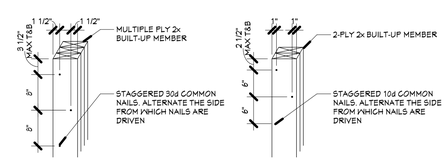
13 S2-1 TYP. JOIST BEARING

1" = 1'-0"



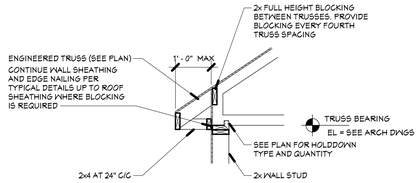
12 S2-1 TYP. JOIST TO BEAM CONNECTION

1" = 1'-0"



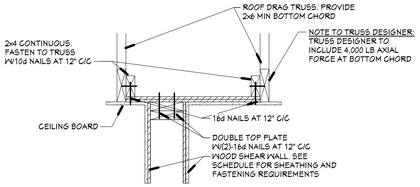
11 S2-1 TYP. BUILT-UP MEMBER NAILING

3/4" = 1'-0"



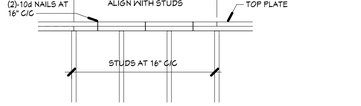
10 S2-1 TYP. ROOF OVERHANG

1/2" = 1'-0"



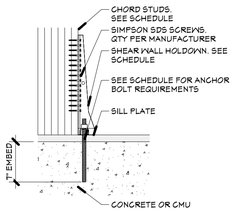
8 S2-1 TYP. SHEAR WALL CONNECTION AT ROOF TRUSS

1" = 1'-0"



7 S2-1 TYP. EXTERIOR WALL TOP PLATE

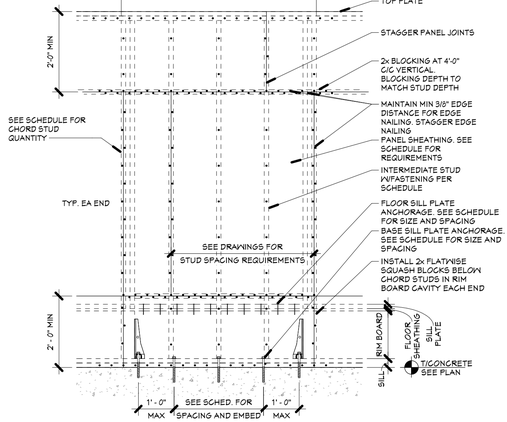
1/2" = 1'-0"



NOTE: TO BE PROVIDED AT EACH END OF SHEAR WALL SEGMENT

6 S2-1 TYP. HOLDOWN DETAIL

3/4" = 1'-0"



5 S2-1 TYP. SHEAR WALL

1/2" = 1'-0"

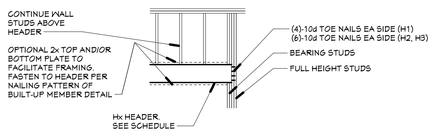
SHEAR WALL SCHEDULE

MARK	FLOOR LEVEL	SHEATHING THICKNESS	SHEATHING NAILING		END CONDITION (EACH END)				SILL PLATE		
			EDGE	FIELD	CHORD STUD QTY.	HOLDDOWN	ANCHOR	EMBED.	BOLT/NAIL	SPACING	EMBED.
SW1	FLOOR	15/32"	8d @ 6"	8d @ 12"	2	--	--	--	16d	32" C/C	--
	BASE	15/32"	8d @ 6"	8d @ 12"	2	--	--	--	1/2" DIA.	32" C/C	6"
SW2	BASE	15/32"	8d @ 6"	8d @ 12"	2	--	--	--	1/2" DIA.	32" C/C	6"

NOTES:
1. ALL WOOD CONNECTOR PRODUCTS SHALL BE BY SIMPSON STRONG-TIE.
2. ALL SHEATHING NAILS SHALL BE COMMON NAILS. STAPLES ARE NOT PERMITTED.
3. ALL SHEAR WALLS ARE TO BE BLOCKED WITH 2x MATERIAL.
4. UNLESS NOTED OTHERWISE, ALL SHEATHING IS ON ONE FACE OF STUD WALL.
5. (2)-X/XX" SHEATHING THICKNESS INDICATES SHEATHING IS ON BOTH FACES OF STUD WALL.
6. MINIMUM 1-1/2" FASTENER PENETRATION INTO FRAMING MEMBER OR BLOCKING.
7. ANCHORAGE ABOVE GROUND LEVEL USES COIL STRAPS. SEE TYPICAL DETAIL.
8. SEE TYPICAL DETAILS FOR ADDITIONAL REQUIREMENTS.

4 S2-1 SHEAR WALL SCHEDULE

1/2" = 1'-0"

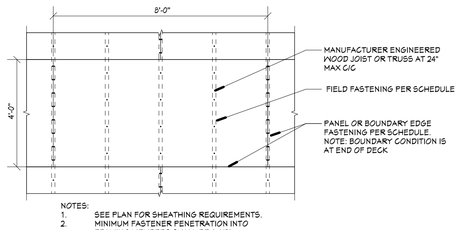


WOOD HEADER SCHEDULE

MARK	HEADER SIZE	BEARING STUDS	FULL HEIGHT STUDS
H1	(3)-2x6	(1)-2x6	(1)-TYP. WALL STUD
H2	(3)-2x12	(2)-2x6	(1)-TYP. WALL STUD
H3	(3)-1 3/4x11 1/4 LVL	(3)-2x6	(2)-TYP. WALL STUD

3 S2-1 TYP. OPENING IN EXTERIOR WALL

1/4" = 1'-0"



NOTES:
1. SEE PLAN FOR SHEATHING REQUIREMENTS.
2. MINIMUM FASTENER PENETRATION INTO FRAMING MEMBER OR BLOCKING SHALL BE 1-1/2".

2 S2-1 TYP. UNBLOCKED SHEATHING

3/8" = 1'-0"

FLOOR/ROOF SHEATHING FASTENING SCHEDULE

LEVEL	REQ'D DETAIL	PANEL THICKNESS	FASTENER	LOCATION		
				BOUNDARY END	PANEL EDGE	FIELD
ROOF	2/S2.1	15/32"	8d	6"	6"	6"
FLOOR	2/S2.1	3/4"	8d	6"	6"	6"

NOTE: MINIMUM 1-1/2" FASTENER PENETRATION INTO FRAMING MEMBER OR BLOCKING

1 S2-1 FLOOR/ROOF SHEATHING FASTENING SCHEDULE

1/2" = 1'-0"

HOLLAND ENGINEERING
220 Hoover Boulevard, Suite 2
Holland, Michigan 49423
www.hollandengineering.com
T 616-392-8838 F 616-392-2116

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ARCHITECTS • ENGINEERS • PLANNERS
316 Morris Avenue
Suite 410
Muskegon, MI 49440
P 231.722.3407
F 231.722.2589

STATE OF MICHIGAN
JOSHUA THOMAS HOST
ENGINEER
No. 6201058848
PROFESSIONAL ENGINEER
DATE: 04/21/2021
EXPIRES: 02/03/2023

HELEN NEWBERRY JOY HOSPITAL
HELEN NEWBERRY JOY
MANISTIQUE LAKES FAMILY
CLINIC
W17530 MAIN ST., CURTIS, MI 49820

Project Number	4-1274
ISSUANCE	

No.	Date	Description
3	2021.04.21	PERMITS
4	2021.05.19	BIDS

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WOOD FRAMING SECTIONS AND DETAILS

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GENERAL PLUMBING NOTES

(THESE NOTES APPLY TO ALL PLUMBING DRAWINGS)

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8. INSTALL ALL EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. NOTIFY ENGINEER IF DISCREPANCIES EXIST BETWEEN MANUFACTURER'S INFORMATION AND DRAWINGS.
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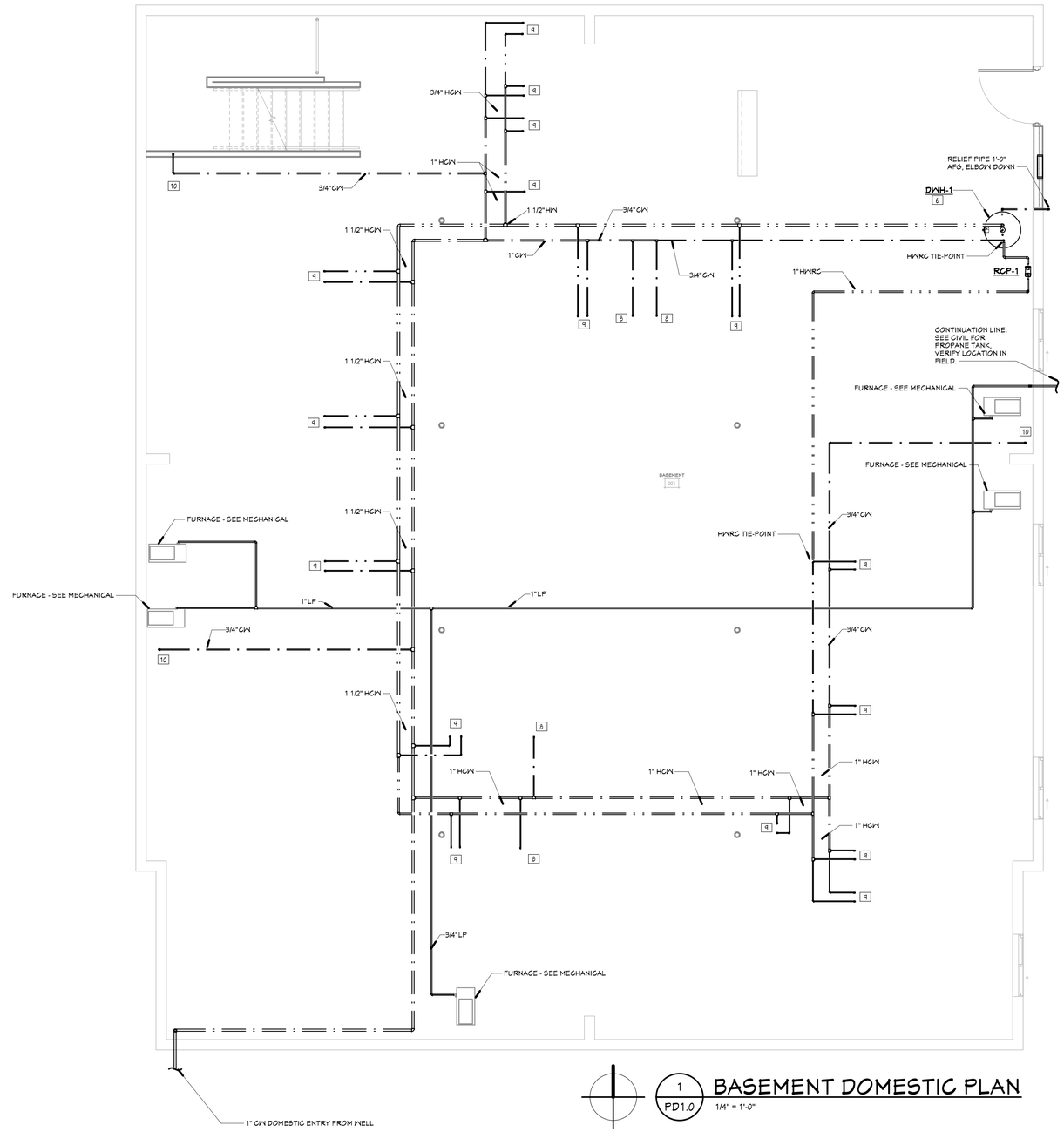
PLUMBING KEYNOTES

1. FURNISH AND INSTALL WATER CLOSET. ROUTE 1/2" CW TO WC FROM BASEMENT CEILING, WITH 1/4 TURN SHUTOFF AT WALL.
2. FURNISH AND INSTALL WALL HUNG LAVATORY SINK AND FAUCET. ROUTE 1/2" HCW TO FIXTURE FROM BASEMENT CEILING, WITH 1/4 TURN SHUTOFFS AT WALL. INCLUDE ASSE 1070 TEMPERING MIXING VALVE. INCLUDE CONCEALED WALL CARRIER.
3. FURNISH AND INSTALL HAND WASH SINK AND FAUCET. ROUTE 1/2" HCW TO FIXTURE FROM BASEMENT CEILING, WITH 1/4 TURN SHUTOFFS AT WALL. INCLUDE ASSE 1070 TEMPERING MIXING VALVE.
4. FURNISH AND INSTALL ELECTRIC WATER COOLER. ROUTE 3/8" CW TO FIXTURE FROM BASEMENT CEILING, WITH 1/4 TURN SHUTOFF AT WALL. INCLUDE CANE APRON.
5. FURNISH AND INSTALL MOP BASIN. ROUTE 1/2" HCW TO FIXTURE FROM BASEMENT CEILING.
6. FURNISH AND INSTALL DOMESTIC WATER HEATER. PLACE IN PAN WITH WATER ALARM. SEE WATER HEATER DETAIL FOR PIPING ARRANGEMENT.
7. FURNISH AND INSTALL HOSE BIBB. ROUTE 3/4" CW TO HOSE BIBB FROM DOMESTIC CW MAIN.
8. ROUTE 1/2" CW UP TO **WC** ON FIRST FLOOR.
9. ROUTE 1/2" HCW UP TO FIXTURE ON FIRST FLOOR.
10. ROUTE 3/4" CW UP TO **HB** ON FIRST FLOOR.
11. FURNISH AND INSTALL ICE MACHINE BOX,TRIM, CW SUPPLY LINES, AND SHUTOFF VALVE. ROUTE 1/2" CW SUPPLY LINE TO ICE MACHINE BOX FROM BASEMENT.



1 PD1.0 BASEMENT DOMESTIC PLAN
1/4" = 1'-0"

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BASEMENT DOMESTIC PLUMBING PLAN

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FIRST FLOOR DOMESTIC PLUMBING PLAN

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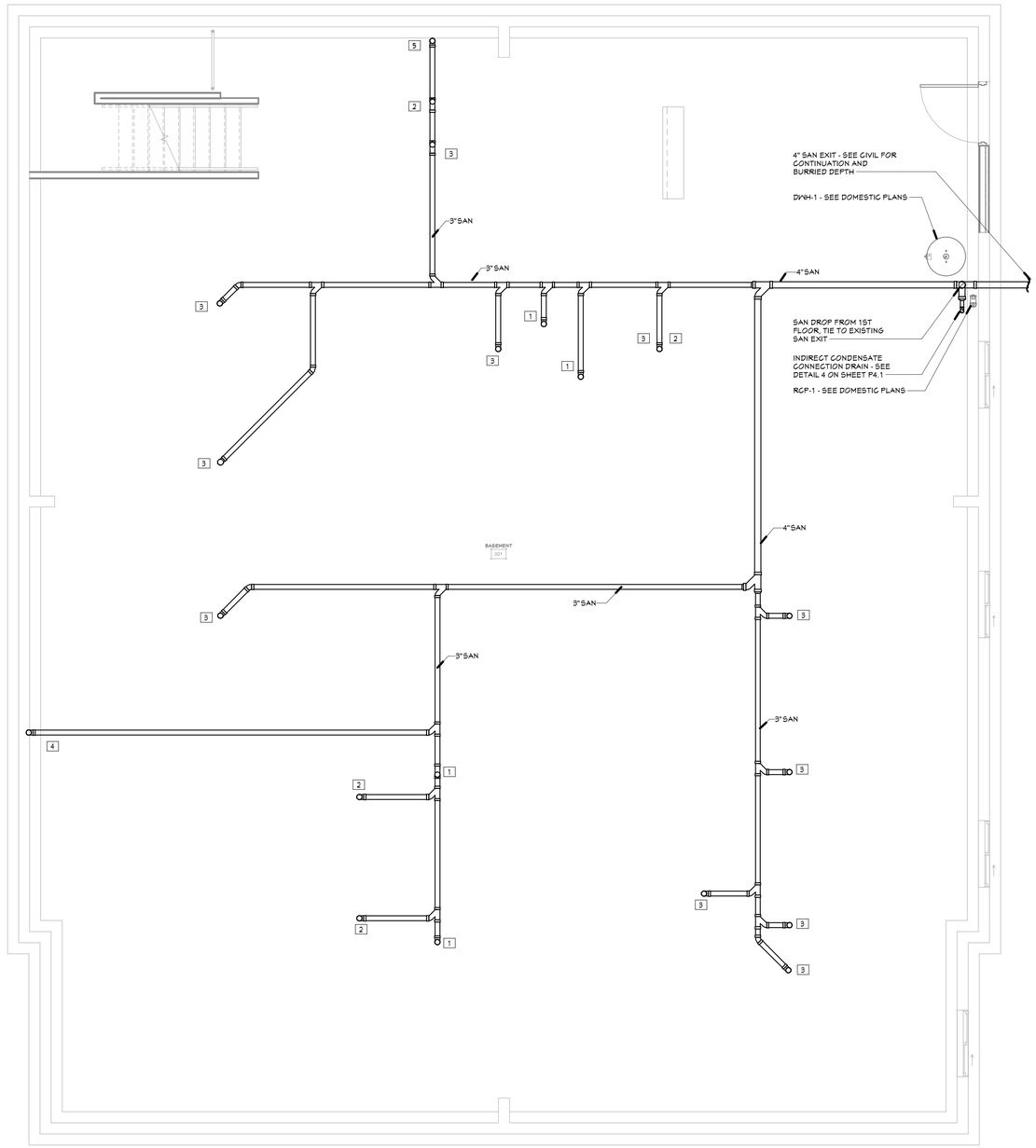
[#] SANITARY PLAN NOTES

A. SEE DOMESTIC PLANS FOR FIXTURE TAGS.
B. ROUTE SANITARY PIPING UP CLOSE TO BASEMENT CEILING, BETWEEN JOISTS WHERE POSSIBLE.

[#] SANITARY KEYNOTES

1. ROUTE 3" SAN DOWN FROM WATER CLOSET.
2. ROUTE 1-1/2" SAN DOWN FROM WALL HUNG LAVATORY SINK. ROUTE 2" VENT UP.
3. ROUTE 1-1/2" SAN DOWN FROM SINK. ROUTE 2" VENT UP.
4. ROUTE 1-1/2" SAN DOWN FROM ELECTRIC WATER COOLER. ROUTE 2" VENT UP.
5. ROUTE 2" SAN DOWN FROM MOP BASIN. ROUTE 2" VENT UP.
6. FURNISH AND INSTALL NEW 3" FD.
7. 3" VENT STACK UP THRU ROOF.



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BASEMENT SANITARY/STORM PLAN

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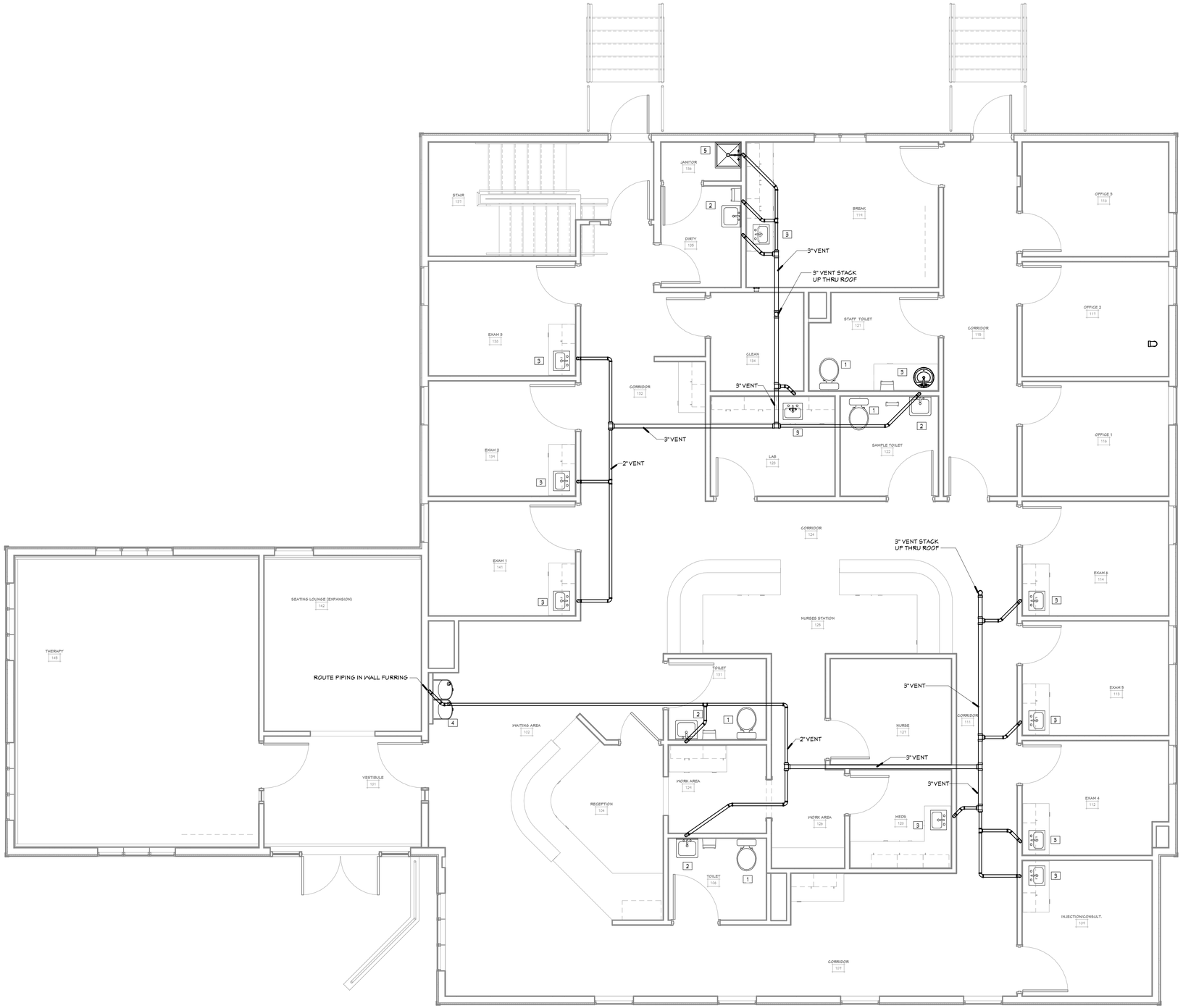
6. FURNISH AND INSTALL NSV'S 3" FD.
7. 3" VENT STACK UP THRU ROOF.



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FIRST FLOOR SANITARY/STORM PLAN

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RECIRCULATING PUMP SCHEDULE

SYMBOL	FLOW RATE (GPM)	HEAD (FT)	POWER SPEED (RPM)	REMARKS	BASIS OF DESIGN	ELECTRICAL								
						POWER (VOLTAGE)	POWER (PHASE)	POWER (WATTS)	DISCONNECT TYPE	DISCONNECT BY	CIRCUIT	BREAKER	WIRE	SYMBOL
RCP-1	0.5	8	2800	PROVIDE WITH AUTOMATIC TIMER KIT MODEL TC-1 AND AQUASTAT MODEL AQS-3/4	BELL AND GOSSETT NBF-9U/LW	115	1	41	BREAKER	EG	A-7	1P15	#12	RCP-1

ELECTRIC - DOMESTIC WATER HEATER SCHEDULE

SYMBOL	INPUT (KW)	RECOVERY RATE (GPH @ 100° RISE)	TANK SIZE (GALLON)	BASIS OF DESIGN	ELECTRICAL							
					POWER (VOLTAGE)	POWER (PHASE)	DISCONNECT TYPE	DISCONNECT BY	CIRCUIT	BREAKER	WIRE	SYMBOL
DWH-1	8	33	119	BRADFORD WHITE LD UPRIGHT MODEL LE212073-3	208	1	BREAKER	EG	A-6,8	2P30	#8	DWH-1

PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE	CONNECTION SIZE			REMARKS	BASIS OF DESIGN
		SAN	CW	HW		
FD-1	FLOOR DRAIN	3"	-	-	FURNISH IN-LINE DRAIN TRAP SEALER	ZURN MODEL ZA155 WITH SURE SEAL MODEL 552000
HB-1	HOSE BIBB	-	1/2"	-	FREEZE-PROOF; LOCKABLE	WOODFORD MODEL M865
LAV-1A	LAVATORY ACCESSIBLE	1-1/2"	1/2"	1/2"	DROP-IN, 1.28GPM, ANSI A117.1	AMERICAN STANDARD MODEL 1203004 WITH AMERICAN STANDARD MODEL 7500.175
LAV-2A	LAVATORY ACCESSIBLE	1-1/2"	1/2"	1/2"	WALL-HUNG, 1.28GPM, ANSI A117.1	AMERICAN STANDARD MODEL 0356.028 WITH AMERICAN STANDARD MODEL 7385.058
MB-1	MOP BASIN	3"	1/2"	1/2"	-	FLORESTONE MODEL MSR-2424 WITH AMERICAN STANDARD FAUCET MODEL 8344.212
S-1	SINK	2"	1/2"	1/2"	SINGLE BOWL, DROP-IN, CENTER DRAIN, 15"X15", ADA & ANSI A117.1 COMPLIANT	DAYTON MODEL D11515 WITH AMERICAN STANDARD MODEL 7500.175
S-2	SINK	1-1/2"	1/2"	1/2"	WALL-HUNG, PROVIDE WITH CONCEALED WALL CARRIER, ANSI A117.1 COMPLIANT	AMERICAN STANDARD MODEL 0356.028 WITH AMERICAN STANDARD MODEL 7500.175
S-3	SINK	1-1/2"	1/2"	1/2"	SINGLE BOWL, DROP-IN, CENTER DRAIN, 15"X15", ADA & ANSI A117.1 COMPLIANT, PROVIDE WITH EMERGENCY EYE WASH	DAYTON MODEL D11515 WITH AMERICAN STANDARD MODEL 7500.175, EYE WASH MODEL SEF-1500-CA-8-TW
WC-1A	WATER CLOSET ACCESSIBLE	3"	1/2"	-	FLOOR MOUNTED FLUSH TANK	AMERICAN STANDARD MODEL 2467.100

ELECTRIC WATER COOLER SCHEDULE

SYMBOL	CONNECTION			POWER (V/P/C)	BASIS OF DESIGN
	SAN	CW	HW		
EWC-1A	1-1/2"	3/8"	-	115/1/60	ELKAY WALL MOUNTED BI-LEVEL WATER COOLER MODEL EZSTL8LC, PROVIDE WITH CANE APRON MODEL LKAFREZL AND FILTER KIT MODEL EWF1172

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PLUMBING ABBREVIATIONS

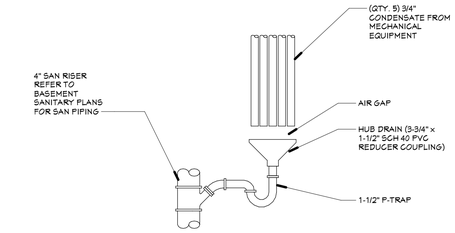
(THESE NOTES APPLY TO ALL PLUMBING DRAWINGS)

AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
CO	CLEAN OUT
CW	DOMESTIC COLD WATER
FCO	FLOOR CLEAN OUT
FLA	FULL LOAD AMPS
FT	FOOT
GPF	GALLONS PER FLUSH
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HB	HOSE BIBB
HP	HORSE POWER
HW	DOMESTIC HOT WATER
HWR	DOMESTIC HOT WATER RETURN
KW	KILOWATT
LBS	POUNDS
RD	ROOF DRAIN
RH	ROOF HYDRANT
NG	NATURAL GAS
V	VOLTS
VENT	SANITARY VENT
VFD	VARIABLE FREQUENCY (SPEED) DRIVE
VTR	VENT THRU ROOF
WCO	WALL CLEAN OUT
WH	WALL HYDRANT
YCO	YARD CLEAN OUT

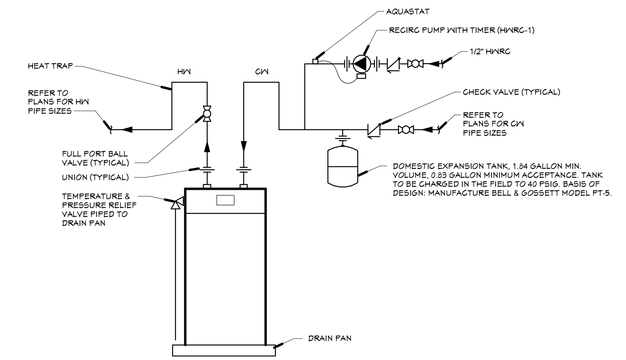
PLUMBING PIPING LEGEND

(THESE APPLY TO ALL PLUMBING DRAWINGS)

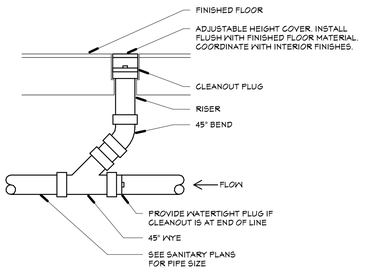
- DOMESTIC COLD WATER
- DOMESTIC HOT WATER
- DOMESTIC COLD WATER (UNDER GROUND)
- DOMESTIC HOT WATER (UNDER GROUND)
- DOMESTIC HOT WATER RECIRC
- SANITARY (ABOVE GROUND)
- SANITARY (UNDER GROUND)
- SANITARY VENT (ABOVE GROUND)
- PROPANE (LP)



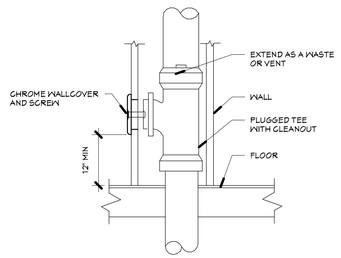
4 P4.1 INDIRECT CONDESATE CONNECTION DETAIL
NOT TO SCALE



1 P4.1 TYPICAL ELECTRICAL WATER HEATER DETAIL
NOT TO SCALE



3 P4.1 FLOOR CLEANOUT
NOT TO SCALE



2 P4.1 WALL CLEAN OUT DETAIL
NOT TO SCALE

Hooker DeJong Inc
ARCHITECTS + ENGINEERS + PLANNERS
316 Morris Avenue
Suite 410
Muskegon, MI 49440
P 231.722.3407
F 231.722.2589

HELEN NEWBERRY JOY MANISTIQUE LAKES FAMILY CLINIC
W17550 MAIN ST., CURTIS, MI 49820

HELEN NEWBERRY JOY HOSPITAL

Project Number	4-1274

ISSUANCE

No.	Date	Description
3	2021.04.21	PERMITS
4	2021.05.19	BIDS

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PLUMBING SCHEDULES & DETAILS

P4.1

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GENERAL MECHANICAL NOTES

(THESE NOTES APPLY TO ALL MECHANICAL DRAWINGS)

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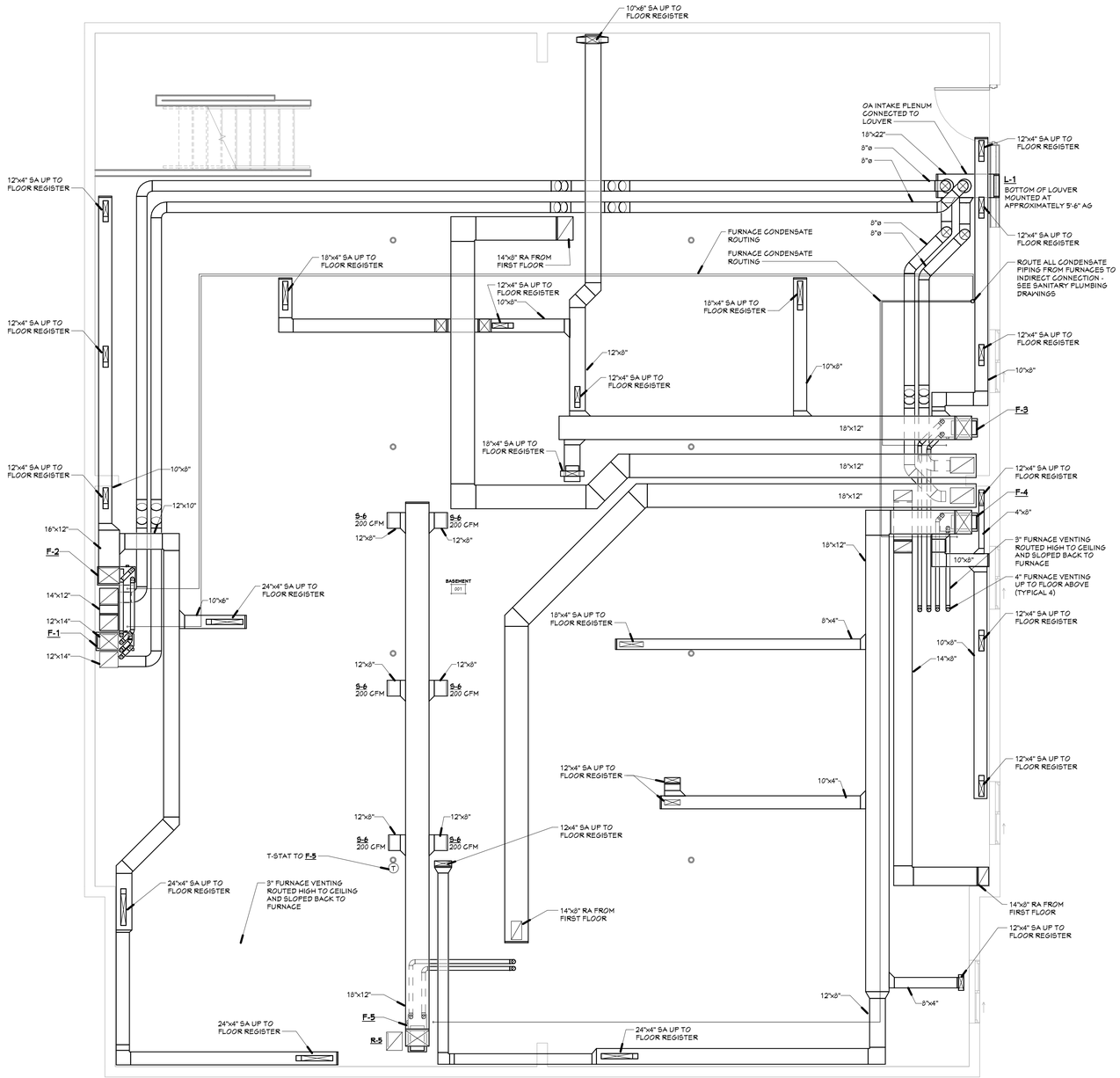

1 M1.0 BASEMENT HVAC PLAN

1/4" = 1'-0"

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ARCHITECTS + ENGINEERS + PLANNERS

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316 Morris Avenue
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Muskegon, MI 49440
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W17530 MAIN ST., CURTIS, MI 49820

HELEN NEWBERRY JOY HOSPITAL

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ISSUANCE

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4	2021.05.19	BIDS

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BASEMENT HVAC PLAN

M1.0

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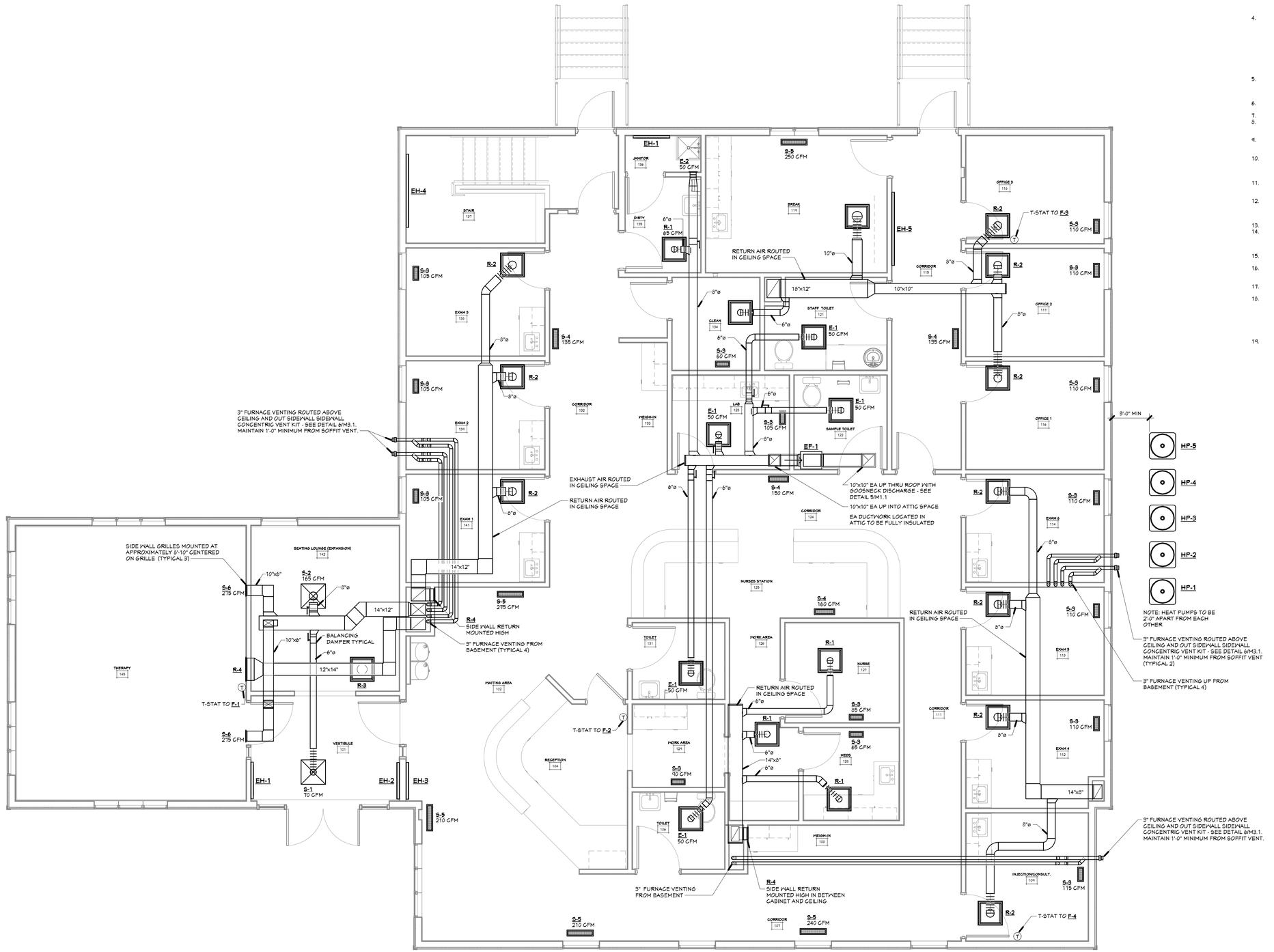

1 M1.1 FIRST FLOOR HVAC PLAN

1/4" = 1'-0"

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ARCHITECTS + ENGINEERS + PLANNERS
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Muskegon, MI 49440
P 231.722.3407
F 231.722.2589

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FAMILY CLINIC
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HELEN NEWBERRY JOY HOSPITAL

Project Number	4-1274

ISSUANCE

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FIRST FLOOR HVAC PLAN

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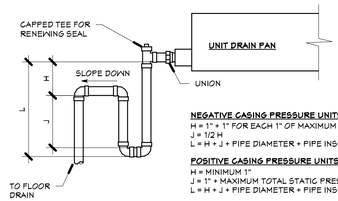


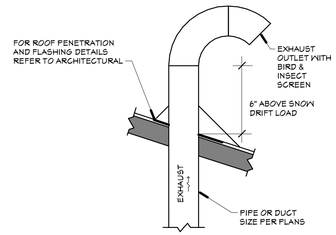
NEGATIVE CASING PRESSURE UNITS
H = 1" + 1" FOR EACH 1" OF MAXIMUM NEGATIVE STATIC PRESSURE
J = 1/2 H
L = H + J + PIPE DIAMETER + PIPE INSULATION

POSITIVE CASING PRESSURE UNITS
H = MINIMUM 1"
J = 1" + MAXIMUM TOTAL STATIC PRESSURE
L = H + J + PIPE DIAMETER + PIPE INSULATION

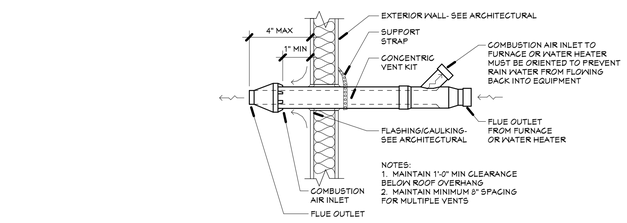
NOTES:

1. LOCATE TRAP AS CLOSE AS POSSIBLE TO THE AHU DRAIN OUTLET WITH BOTTOM BELOW SUPPORT STRUCTURE.
2. SIZE OF TRAP PIPING TO BE THE LARGER OF OUTLET SIZE OR DIMENSION ON PLANS.
3. SEE SPECIFICATIONS FOR INSULATION REQUIREMENTS.
4. NOTIFY ENGINEER BEFORE FABRICATING IF PHYSICAL CONDITIONS PROHIBIT INSTALLATION OF DEPTH SHOWN.
5. FACTORY FABRICATED TRAPS ARE ACCEPTABLE.

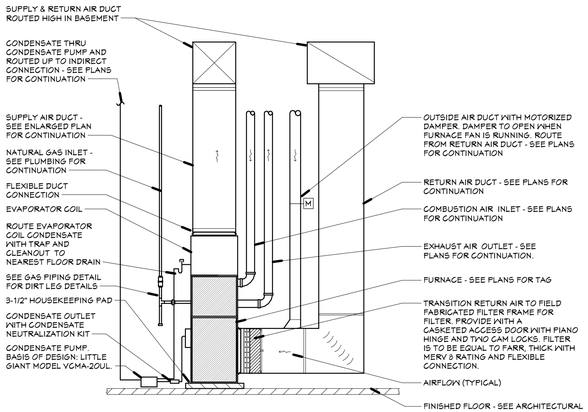
4 M3.1 **COOLING COIL CONDENSATE TRAP DETAIL**
NOT TO SCALE



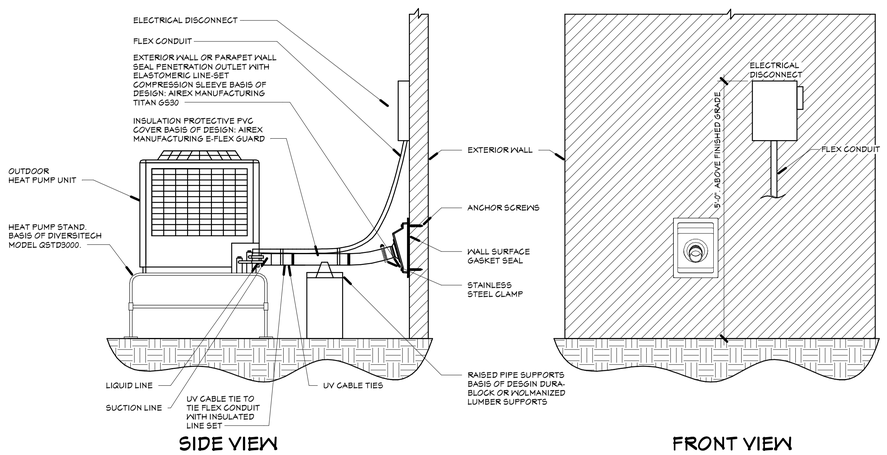
5 M3.1 **ROOF GOOSENECK DETAIL**
NOT TO SCALE



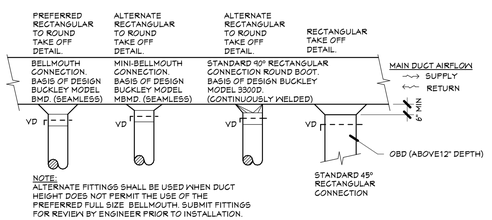
6 M3.1 **CONCENTRIC VENT DETAIL**
NOT TO SCALE



3 M3.1 **FURNACE DETAIL**
NOT TO SCALE



2 M3.1 **HEAT PUMP UNIT DETAIL**
NOT TO SCALE



1 M3.1 **LOW VELOCITY BRANCH DUCT DETAIL**
NOT TO SCALE

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MECHANICAL DETAILS

M3.1

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GAS FIRED FURNACE SCHEDULE

SYMBOL	INPUT (MBH)	OUTPUT (MBH)	AFUE (%)	AIRFLOW (CFM)	ESP (IN WG)	REMARKS	BASIS OF DESIGN	COMPANION HEAT PUMP	AHRI			ELECTRICAL								
									COOLING CAPACITY (MBH)	REFERENCE NUMBER	COOLING (SEER)	POWER (VOLTAGE)	POWER (PHASE)	POWER (MCA)	POWER (MOP)	DISCONNECT TYPE	DISCONNECT BY	CIRCUIT	BREAKER	WIRE	SYMBOL
F-1	40	38.4	96	810	0.5	PROVIDE WITH PROPANE CONVERSION KIT, NEUTRALIZATION KIT AND CONDENSATE PUMP.	GOODMAN MODEL GMES960403BUA WITH GOODLING GOIL MODEL GA*F3636*6D*TXV.	HP-1	23.4	205016648	15.0	115	1	9.3	15	SSU	EC	A-9	1P15	#12	F-1
F-2	40	38.4	96	1010	0.5	PROVIDE WITH PROPANE CONVERSION KIT, NEUTRALIZATION KIT AND CONDENSATE PUMP.	GOODMAN MODEL GMES960403BUA WITH GOODLING GOIL MODEL GA*F3743*6D*TXV.	HP-2	28.0	203490797	15.0	115	1	9.3	15	SSU	EC	A-10	1P15	#12	F-2
F-3	80	76.8	96	1200	0.5	PROVIDE WITH PROPANE CONVERSION KIT, NEUTRALIZATION KIT AND CONDENSATE PUMP.	GOODMAN MODEL GMES960505CUA WITH GOODLING GOIL MODEL GA*FA4226*6A*+TXV.	HP-3	36.5	203430175	15.0	115	1	11.7	15	SSU	EC	A-11	1P15	#12	F-3
F-4	80	76.8	96	1200	0.5	PROVIDE WITH PROPANE CONVERSION KIT, NEUTRALIZATION KIT AND CONDENSATE PUMP.	GOODMAN MODEL GMES960505CUA WITH GOODLING GOIL MODEL GA*FA4226*6A*+TXV.	HP-4	36.5	203430175	15.0	115	1	11.7	15	SSU	EC	A-12	1P15	#12	F-4
F-5	80	76.8	96	1200	0.5	PROVIDE WITH PROPANE CONVERSION KIT, NEUTRALIZATION KIT AND CONDENSATE PUMP.	GOODMAN MODEL GMES960505CUA WITH GOODLING GOIL MODEL GA*FA4226*6A*+TXV.	HP-5	36.5	203430175	15.0	115	1	11.7	15	SSU	EC	A-13	1P15	#12	F-5

HEAT PUMP UNIT SCHEDULE

SYMBOL	COOLING CAPACITY (MBH)	COOLING (SEER)	BASIS OF DESIGN	ELECTRICAL									
				POWER (VOLTAGE)	POWER (PHASE)	POWER (MCA)	POWER (MOP)	DISCONNECT TYPE	DISCONNECT BY	CIRCUIT	BREAKER	WIRE	SYMBOL
HP-1	22.0	15.0	GOODMAN MODEL GSZ140241L.	230	1	14.7	25	NFDS	EC	A-54,61	2P25	#10	HP-1
HP-2	26.0	15.0	GOODMAN MODEL GSZ140301K.	230	1	17.9	30	NFDS	EC	A-60,62	2P30	#10	HP-2
HP-3	36.5	15.0	GOODMAN MODEL GSZ140421K.	230	1	22.0	35	NFDS	EC	A-63,65	2P35	#8	HP-3
HP-4	36.5	15.0	GOODMAN MODEL GSZ140421K.	230	1	22.0	35	NFDS	EC	A-64,66	2P35	#8	HP-4
HP-5	36.5	15.0	GOODMAN MODEL GSZ140421K.	230	1	22.0	35	NFDS	EC	A-67,69	2P35	#8	HP-5

ELECTRIC BASEBOARD HEATER SCHEDULE

SYMBOL	HEATING CAPACITY (BTU/H)	LENGTH (IN)	REMARKS	BASIS OF DESIGN	ELECTRICAL								
					POWER (VOLTAGE)	POWER (PHASE)	POWER (WATTS)	DISCONNECT TYPE	DISCONNECT BY	CIRCUIT	BREAKER	WIRE	SYMBOL
EH-1	2,559	36	PROVIDE WITH T-STAT MODEL TA1AWL	QMARK MODEL 2513NW.	115	1	750	BREAKER	EC	A-68	1P20	#12	EH-1
EH-2	2,559	36	PROVIDE WITH T-STAT MODEL TA1AWL	QMARK MODEL 2513NW.	115	1	750	BREAKER	EC	A-70	1P20	#12	EH-2
EH-3	5,118	72	PROVIDE WITH T-STAT MODEL TA1AWL	QMARK MODEL 2516NW.	115	1	1500	BREAKER	EC	A-71	1P20	#12	EH-3
EH-4	5,118	72	PROVIDE WITH T-STAT MODEL TA1AWL	QMARK MODEL 2516NW.	115	1	1500	BREAKER	EC	A-21	1P20	#12	EH-4
EH-5	5,118	72	PROVIDE WITH T-STAT MODEL TA1AWL	QMARK MODEL 2516NW.	115	1	1500	BREAKER	EC	A-30	1P20	#12	EH-5

GRILLE AND DIFFUSER SCHEDULE

SYMBOL	REMARKS
E-1	24"x24" EXHAUST GRILL MADE OF ALL STEEL CONSTRUCTION WITH 8" NECK, PERFORATED FACE DESIGN, BUILT-IN DAMPER AND STANDARD WHITE FINISH. BASIS OF DESIGN PRICE MODEL PDDR.
E-2	6"x4" EXHAUST GRILLE MADE OF ALL STEEL CONSTRUCTION, 3/4" BLADE SPACING, SURFACE MOUNT AND STANDARD WHITE FINISH. BASIS OF DESIGN PRICE MODEL 530.
R-1	24"x24" RETURN GRILL MADE OF ALL STEEL CONSTRUCTION WITH 8" NECK, PERFORATED FACE DESIGN AND STANDARD WHITE FINISH. BASIS OF DESIGN PRICE MODEL PDDR.
R-2	24"x24" RETURN GRILL MADE OF ALL STEEL CONSTRUCTION WITH 8" NECK, PERFORATED FACE DESIGN AND STANDARD WHITE FINISH. BASIS OF DESIGN PRICE MODEL PDDR.
R-3	24"x24" RETURN GRILL MADE OF ALL STEEL CONSTRUCTION WITH 10" NECK, PERFORATED FACE DESIGN AND STANDARD WHITE FINISH. BASIS OF DESIGN PRICE MODEL PDDR.
R-4	12"x20" RETURN GRILLE MADE OF ALL STEEL CONSTRUCTION, 3/4" BLADE SPACING, SURFACE MOUNT AND STANDARD WHITE FINISH. BASIS OF DESIGN PRICE MODEL 530.
R-5	12"x36" RETURN GRILLE MADE OF ALL STEEL CONSTRUCTION, 3/4" BLADE SPACING, SURFACE MOUNT AND STANDARD WHITE FINISH. BASIS OF DESIGN PRICE MODEL 530.
S-1	24"x24" SUPPLY DIFFUSER MADE OF ALL STEEL CONSTRUCTION WITH 6" NECK, PLAQUE FACE, 4 WAY AIRFLOW PATTERN AND WHITE FINISH. BASIS OF DESIGN PRICE MODEL SPD.
S-2	24"x24" SUPPLY DIFFUSER MADE OF ALL STEEL CONSTRUCTION WITH 8" NECK, PLAQUE FACE, 4 WAY AIRFLOW PATTERN AND WHITE FINISH. BASIS OF DESIGN PRICE MODEL SPD.
S-3	12"x4" SUPPLY FLOOR REGISTERS MADE OF ALUMINUM CONSTRUCTION, BARS ARE FIXED AND PARALLEL TO LONG DIMENSION, BARS AT 1/4" SPACING AND 15° DEFLECTION, BUILT IN OPPOSED BLADE DAMPER AND WITH CLEAR ANODIZED FINISH. BASIS OF DESIGN PRICE MODEL LBPH.
S-4	12"x4" SUPPLY FLOOR REGISTERS MADE OF ALUMINUM CONSTRUCTION, BARS ARE FIXED AND PARALLEL TO LONG DIMENSION, BARS AT 1/4" SPACING AND 15° DEFLECTION, BUILT IN OPPOSED BLADE DAMPER AND WITH CLEAR ANODIZED FINISH. BASIS OF DESIGN PRICE MODEL LBPH.
S-5	24"x4" SUPPLY FLOOR REGISTERS MADE OF ALUMINUM CONSTRUCTION, BARS ARE FIXED AND PARALLEL TO LONG DIMENSION, BARS AT 1/4" SPACING AND 15° DEFLECTION, BUILT IN OPPOSED BLADE DAMPER AND WITH CLEAR ANODIZED FINISH. BASIS OF DESIGN PRICE MODEL LBPH.
S-6	10"x6" SUPPLY REGISTER MADE OF ALL STEEL CONSTRUCTION, ADJUSTABLE BLADES ON 3/4" CENTERS, BUILT IN DAMPER, SURFACE MOUNT AND WHITE FINISH. BASIS OF DESIGN PRICE MODEL 520.

EXHAUST FAN SCHEDULE

SYMBOL	AIRFLOW (CFM)	ESP (IN WG)	SOUND (SONES)	BACK DRAFT DAMPER	CONTROLS	REMARKS	BASIS OF DESIGN	ELECTRICAL								
								POWER (VOLTAGE)	POWER (PHASE)	POWER (HP)	DISCONNECT TYPE	DISCONNECT BY	CIRCUIT	BREAKER	WIRE	SYMBOL
EF-1	425	0.5	11.5	YES	CONTINUOUS OPERATION DURING OCCUPIED HOURS	PROVIDE WITH GRAVITY DAMPER MODEL BD-330-PB-12x12.	GREENHECK MODEL BSQ-60-4	115	1	1/4	SSU	EC	A-72	1P15	#12	EF-1

LOUVER SCHEDULE

SYMBOL	AIRFLOW (CFM)	WIDTH (INCH)	HEIGHT (INCH)	DEPTH (INCH)	FREE AREA (FT2)	FREE AREA VELOCITY (FPM)	BASIS OF DESIGN
L-1	560	18	22	4	1.08	499	GREENHECK MODEL ESD-403.

MECHANICAL MINIMUM VENTILATION RATES SCHEDULE

ZONE	NAME	NUMBER	MECHANICAL VENTILATION							
			AREA	OCCUPANCY	REQUIRED OUTDOOR AIRFLOW (CFM)	SPECIFIED OUTDOOR AIRFLOW (CFM)	REQUIRED EXHAUST AIRFLOW (CFM)	SPECIFIED EXHAUST AIRFLOW (CFM)	COMMENTS
F-5	BASEMENT	001	3701	0	0	0	0	0	NO VENTILATION
	TOTAL		3701	0	0	0	0	0	
F-1	SEATING LOUNGE	142	165	5	35	35	0	0	RECEPTION AREA PER TABLE 403.3 IN MICHIGAN MECHANICAL CODE
	THERAPY	145	426	4	111	115	50	50	OFFICE SPACE PER TABLE 403.3 IN MICHIGAN MECHANICAL CODE
	TOTAL		591	9	145	150	50	50	
F-2	EXAM 3	138	101	1	9	10	0	0	OFFICE SPACE PER TABLE 403.3 IN MICHIGAN MECHANICAL CODE
	EXAM 2	139	101	1	9	10	0	0	OFFICE SPACE PER TABLE 403.3 IN MICHIGAN MECHANICAL CODE
	EXAM 1	141	101	1	9	10	0	0	OFFICE SPACE PER TABLE 403.3 IN MICHIGAN MECHANICAL CODE
	WAITING AREA	102	200	8	42	45	0	0	RECEPTION AREA PER TABLE 403.3 IN MICHIGAN MECHANICAL CODE
	RECEPTION	104	309	4	64	65	0	0	RECEPTION AREA PER TABLE 403.3 IN MICHIGAN MECHANICAL CODE
	TOTAL		909	17	132	140	0	0	
F-3	CORRIDOR	115	155	0	9	10	0	0	CORRIDOR PER TABLE 403.3 IN MICHIGAN MECHANICAL CODE
	OFFICE 1	116	100	1	9	10	0	0	OFFICE SPACE PER TABLE 403.3 IN MICHIGAN MECHANICAL CODE
	OFFICE 2	117	100	1	9	10	0	0	OFFICE SPACE PER TABLE 403.3 IN MICHIGAN MECHANICAL CODE
	OFFICE 3	118	100	1	9	10	0	0	OFFICE SPACE PER TABLE 403.3 IN MICHIGAN MECHANICAL CODE
	BREAK	119	167	8	52	55	0	0	CONFERENCE/MEETING PER TABLE 403.3 IN MICHIGAN MECHANICAL CODE
	STAFF TOILET	121	78	0	0	0	50	50	TOILET ROOM - PUBLIC PER TABLE 403.3 IN MICHIGAN MECHANICAL CODE
	SAMPLE TOILET	122	93	0	0	0	50	50	TOILET ROOM - PUBLIC PER TABLE 403.3 IN MICHIGAN MECHANICAL CODE
	LAB	123	74	0	6	10	50	50	OFFICE SPACE PER TABLE 403.3 IN MICHIGAN MECHANICAL CODE
	CORRIDOR	124	221	0	14	15	0	0	CORRIDOR PER TABLE 403.3 IN MICHIGAN MECHANICAL CODE
	CORRIDOR	132	159	0	11	15	1	5	CORRIDOR PER TABLE 403.3 IN MICHIGAN MECHANICAL CODE
	WEIGH-IN	133	42	0	4	5	2	5	OFFICE SPACE PER TABLE 403.3 IN MICHIGAN MECHANICAL CODE
	CLEAN	134	99	0	5	5	0	0	OFFICE SPACE PER TABLE 403.3 IN MICHIGAN MECHANICAL CODE
	DIRTY	135	48	0	4	5	64	65	NO VENTILATION
	JANITOR	136	14	0	0	0	14	50	NO VENTILATION
	TOTAL		1404	11	130	150	236	275	
F-4	TOILET	106	47	0	0	0	50	50	TOILET ROOM - PUBLIC PER TABLE 403.3 IN MICHIGAN MECHANICAL CODE
	CORRIDOR	107	151	0	9	10	0	0	CORRIDOR PER TABLE 403.3 IN MICHIGAN MECHANICAL CODE
	WEIGH-IN	103	66	0	4	5	0	0	CORRIDOR PER TABLE 403.3 IN MICHIGAN MECHANICAL CODE
	INJECTION/ CONSULT.	109	105	0	6	10	0	0	OFFICE SPACE PER TABLE 403.3 IN MICHIGAN MECHANICAL CODE
	CORRIDOR	111	94	0	6	10	0	0	CORRIDOR PER TABLE 403.3 IN MICHIGAN MECHANICAL CODE
	EXAM 4	112	100	1	9	10	0	0	OFFICE SPACE PER TABLE 403.3 IN MICHIGAN MECHANICAL CODE
	EXAM 5	113	100	1	9	10	0	0	OFFICE SPACE PER TABLE 403.3 IN MICHIGAN MECHANICAL CODE
	EXAM 6	114	100	1	9	10	0	0	OFFICE SPACE PER TABLE 403.3 IN MICHIGAN MECHANICAL CODE
	NURSES STATION	125	146	1	9	10	0	0	OFFICE SPACE PER TABLE 403.3 IN MICHIGAN MECHANICAL CODE
	WORK AREA	126	80	0	7	10	0	0	OFFICE SPACE PER TABLE 403.3 IN MICHIGAN MECHANICAL CODE
	NURSE	127	77	0	7	10	0	0	OFFICE SPACE PER TABLE 403.3 IN MICHIGAN MECHANICAL CODE
	MEDS	129	60	1	14	15	0	0	PHARMACY (PREP AREA) PER TABLE 403.3 IN MICHIGAN MECHANICAL CODE
	WORK AREA	129	52	0	4	5	0	0	OFFICE SPACE PER TABLE 403.3 IN MICHIGAN MECHANICAL CODE
	TOILET	131	47	0	0	0	50	50	TOILET ROOM - PUBLIC PER TABLE 403.3 IN MICHIGAN MECHANICAL CODE
	WEIGH-IN	133	41	0	2	5	0	0	CORRIDOR PER TABLE 403.3 IN MICHIGAN MECHANICAL CODE
	TOTAL		1266	4	93	120	100	100	

GENERAL MECHANICAL NOTES

(THESE NOTES APPLY TO ALL MECHANICAL DRAWINGS)

1. REVIEW THE CONSTRUCTION DOCUMENTS, INFORMATION REGARDING THE COMPLETE WORK IS DISPERSED THROUGHOUT THE DOCUMENT SET AND CANNOT BE ACCURATELY DETERMINED WITHOUT REFERENCE TO THE COMPLETE DOCUMENT SET.
2. COORDINATE WITH THE WORK OF OTHER SECTIONS. EQUIPMENT FURNISHED BY OTHERS, REQUIREMENTS OF THE OWNER.
3. PROVIDE DUCT RISES AND DROPS AS REQUIRED FOR FIELD INSTALLATION AND TRADE COORDINATION. NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE STARTING WORK.
4. DRAWINGS FOR HVAC WORK ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATION, TYPE, LAYOUT, AND EQUIPMENT REQUIRED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENT. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS. REFER TO MANUFACTURER'S STANDARD INSTALLATION DRAWINGS FOR EQUIPMENT CONNECTIONS AND INSTALLATION REQUIREMENTS. PROVIDE DUCTWORK, CONNECTIONS, ACCESSORIES, OFFSETS, TRANSITIONS AND MATERIALS, NECESSARY FOR A COMPLETE SYSTEM.
5. ALL WORK SHALL COMPLY WITH STATE AND LOCAL CODE, REQUIREMENTS AS APPROVED AND AMENDED BY THE GOVERNING CITY. OBTAIN ALL INSPECTIONS REQUIRED BY CODE.
6. FIELD VERIFY ALL DIMENSIONS BEFORE INSTALLATION OF MATERIALS AND EQUIPMENT.
7. FIELD VERIFY ALL QUANTITIES OF EQUIPMENT.
8. VERIFY ALL MECHANICAL WORK WITH ARCHITECTURAL SHEETS. COORDINATE WORK REQUIRED IN CONJUNCTION WITH ALL OTHER TRADES.
9. VERIFY ALL EXISTING CONDITIONS IN FIELD PRIOR TO START OF CONSTRUCTION. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
10. INSTALL ALL EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. NOTIFY ENGINEER IF DISCREPANCIES EXIST BETWEEN MANUFACTURER'S INFORMATION AND DRAWINGS.
11. FURNISH AND INSTALL A TRAPPED CONDENSATE FROM ALL EVAPORATOR COIL CONNECTIONS TO A FLOOR DRAIN OR APPROVED DISCHARGE POINT.
12. PROPERLY SEAL AND INSULATE ALL SHEET METAL DUCTSVENTS PER THE SPECIFICATIONS TO INCLUDE SUPPLY, RETURN AND EXHAUST DUCT. REFER TO SPECIFICATIONS
13. SEE PLUMBING PLANS FOR LP GAS PIPE ROUTING
14. ACTUAL LOCATION OF GRILLES AND DIFFUSERS SHALL BE COORDINATE WITH REFLECTED CEILING PLAN. IF THERE ARE ANY DISCREPANCIES VERIFY FINAL LOCATION WITH ARCHITECT/ENGINEER.
15. INSTALL THERMOSTATS/SENSORS AT 48" AFF TO TOP OF THERMOSTAT/SENSORS, UNLESS NOTED OTHERWISE.
16. AT THE PVC COMBUSTION AIR INTAKE AND VENTING FURNISH AND INSTALL CODE COMPLIANT FIRE STOP COLLARS WHERE PIPES PENETRATE THE CEILING OR WALLS.
17. ALL DUCTWORK MUST BE A MINIMUM OF 26 GAUGE GALVANIZED STEEL.
18. REFER TO STRUCTURAL DRAWINGS AND/OR MECHANICAL CODE (COMPLY WITH MOST RESTRICTIVE) FOR LIMITATIONS OF CUTTING, NOTCHING, AND BORING OF ALL STRUCTURAL MEMBERS INCLUDING, BUT NOT LIMITED TO, WOOD STUDS (INTERIOR AND EXTERIOR), TOP AND BOTTOM PLATES, JOISTS, BEAMS, AND RIM BOARDS. WOOD TRUSS MEMBERS SHALL NOT BE CUT AND/OR MODIFIED
19. HOLD ALL DUCTWORK LOCATED IN BASEMENT TIGHT TO CEILING.

MECHANICAL ABBREVIATIONS

(THESE NOTES APPLY TO ALL MECHANICAL DRAWINGS)

AFF	ABOVE FINISHED FLOOR
AH	AIR-HANDLING UNIT
AHJ	AUTHORITY HAVING JURISDICTION
AHRI	AIR CONDITIONING, HEATING, AND REFRIGERATION INSTITUE
AMPS	AMPERAGE
BOD	BOTTOM OF DUCT
BTUS	BRITISH THERMAL UNITS
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CFM	CUBIC FEET PER MINUTE
COND	CONDENSATE
COP	COEFFICIENT OF PERFORMANCE
CUH	CABINET UNIT HEATER
EA	EXHAUST AIR
EER	ENERGY EFFICIENCY RATING
ET	EXPANSION TANK
FCU	FAN COIL UNIT
FT²	SQUARE FEET
HHWR	HEATING HOT WATER RETURN
HHWS	HEATING HOT WATER SUPPLY
HSPF	HEATING SEASONAL PERFORMANCE FACTOR
IN	INCHES
IN WG	INCHES OF WATER GAUGE
KW	KILOWATT
KWH	KILOWATTS PER HOUR
L	LITER
LBS	POUNDS
MCA	MINIMUM CIRCUIT AMPS
MOP	MAXIMUM OVERCURRENT PROTECTION
NFDS	NON-FUSED DISCONNECT
OA	OUTSIDE AIR
OBD	OPPOSED BLADE DAMPER
SA	SUPPLY AIR
SEER	SEASONAL ENERGY EFFICIENCY RATIO
RA	RETURN AIR
UH	UNIT HEATER
VAV	VARIABLE AIR VOLUME UNIT
VD	VOLUME DAMPER
VFD	VARIABLE FREQUENCY (SPEED) DRIVE
WATT	WATTAGE

MECHANICAL SYMBOLS LEGEND

(THESE NOTES APPLY TO ALL MECHANICAL DRAWINGS)

- (T) THERMOSTAT
- —(M) MOTORIZED DAMPER
- SUPPLY AIR
- RETURN AIR
- EXHAUST AIR

HDJ Hooker DeJong inc
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Hooker DeJong inc
ARCHITECTS + ENGINEERS + PLANNERS
316 Morris Avenue
Suite 410
Muskegon, MI 49440
P 231.722.3407
F 231.722.2589

HELEN NEWBERRY JOY MANISTIQUE LAKES FAMILY CLINIC
W17530 MAIN ST., CURTIS, MI 49820

HELEN NEWBERRY JOY HOSPITAL

Project Number	4-1274

ISSUANCE

No.	Date	Description
3	2021.04.21	PERMITS
4	2021.05.19	BIDS

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MECHANICAL SCHEDULES

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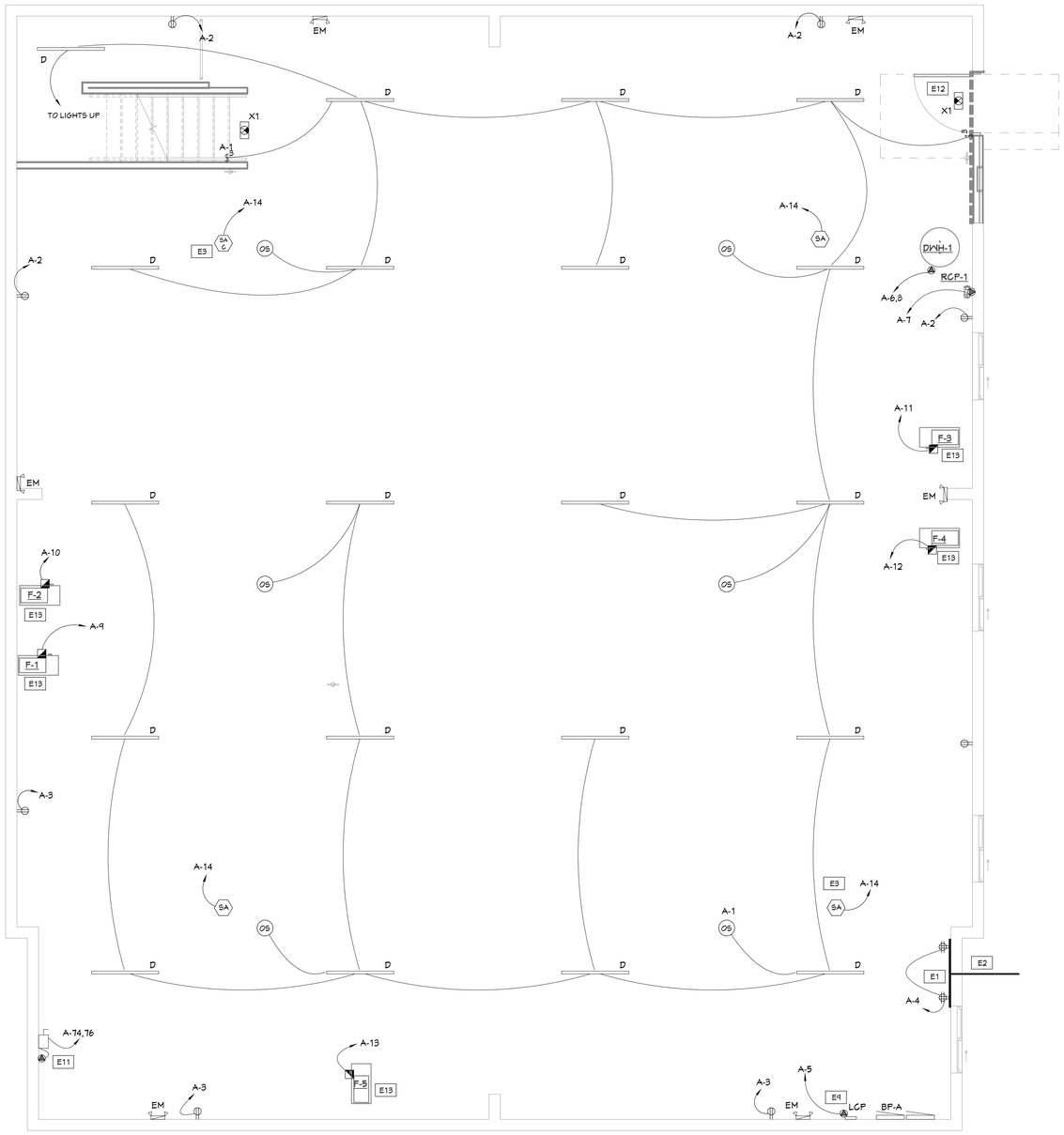

BASEMENT ELECTRICAL PLAN

1/4" = 1'-0"

ELECTRICAL KEYED NOTES

#	KEYED NOTE
E1	FURNISH AND INSTALL 4'x8' FIRE RATED BACKBOARD FOR UTILITIES AND DISTRIBUTION.
E2	FURNISH AND INSTALL 1-4" CONDUIT AT 30" BELOW GRADE, SLOPING AWAY FROM THE BUILDING, FOR INCOMING COM UTILITIES. ROUTE TO CENTER OF BACK BOARD INSIDE AND TO A POINT 5' BEYOND THE FOUNDATION EXTERIOR.
E3	SMOKE ALARMS ARE TO BE HARD WIRED, INTERCONNECTED WITH 10 YEAR BATTERY. INTERCONNECT TO UNIT NEAR RECEPTION DESK.
E9	LCP (LIGHTING CONTROL PANEL) SHALL BE 2 ZONE. ZONE ONE SHALL CONTROL HOUSE LIGHTING VIA TIME OF DAY WITH LOCAL ON/OFF SWITCHING. ZONE 2 SHALL CONTROL EXTERIOR LIGHTING VIA TIME OF DAY. LOW VOLTAGE SWITCHES SHALL OVERRIDE LCP FOR A DETERMINED TIME PER OWNER.
E11	EXISTING WELL DISCONNECT. CONFIRM EXACT CIRCUIT AND WIRE SIZING PRIOR TO ENERGIZING.
E12	ENERGIZE EXIT AND EMERGENCY LIGHTING WITH UNSWITCHED LEG OF NEAREST LOCAL LIGHTING CIRCUIT. TYPICAL FOR ALL EXIT AND EMERGENCY LIGHTS.
E13	UTILIZE FURNACE CIRCUIT TO ENERGIZE ASSOCIATED CONDENSATE PUMP.

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Hooker DeJong Inc
ARCHITECTS ▪ ENGINEERS ▪ PLANNERS
316 Morris Avenue
Suite 410
Muskegon, MI 49440
P 231.722.3407
F 231.722.2589

HELEN NEWBERRY JOY MANISTIQUE LAKES FAMILY CLINIC
W17530 MAIN ST., CURTIS, MI 49820

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BASEMENT ELECTRICAL PLAN

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ELECTRICAL KEYED NOTES

#	KEYED NOTE
E7	FURNISH EXIT SIGN WITH HIGH POWER BATTERY TO POWER REMOTE HEAD. FURNISH AND INSTALL 2 REMOTE HEADS ON EXTERIOR NEAR DOOR AT 8'-0" ABOVE FINISHED GRADE.
E12	ENERGIZE EXIT AND EMERGENCY LIGHTING WITH UNSWITCHED LEG OF NEAREST LOCAL LIGHTING CIRCUIT. (TYPICAL FOR ALL EXIT AND EMERGENCY LIGHTS.

FIRST FLOOR LIGHTING PLAN

1/4" = 1'-0"

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ARCHITECTS + ENGINEERS + PLANNERS
316 Morris Avenue
Suite 410
Muskegon, MI 49440
P 231.722.3407
F 231.722.2589

HELEN NEWBERRY JOY MANISTIQUE LAKES FAMILY CLINIC

W17530 MAIN ST., CURTIS, MI 49820

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FIRST FLOOR LIGHTING PLAN

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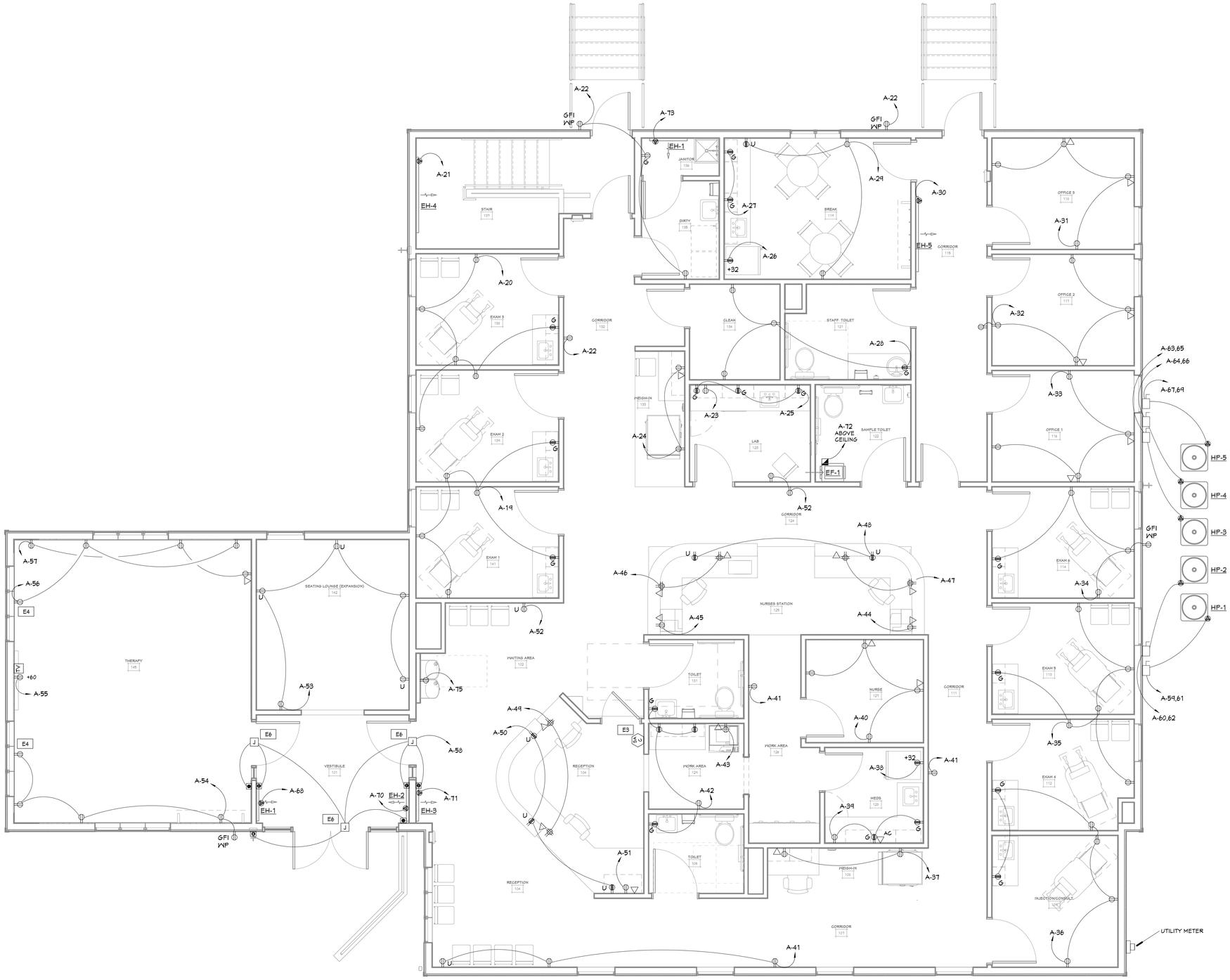
ELECTRICAL KEYED NOTES

#	KEYED NOTE
E3	SMOKE ALARMS ARE TO BE HARD-WIRED, INTERCONNECTED WITH 10 YEAR BATTERY. INTERCONNECT TO UNIT NEAR RECEPTION DESK.
E4	MOUNT RECEPTACLES HORIZONTALLY, CENTERED WITHIN THE SPACE BENEATH THE WINDOWS.
E6	FURNISH AND INSTALL JUNCTION BOXES AT EACH LOCATION SHOWN FOR POWERED DOORS AND ENERGIZE BOTH DOORS WITH CIRCUIT SHOWN.



FIRST FLOOR POWER PLAN

1/4" = 1'-0"

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Hooker DeJong Inc
ARCHITECTS ▪ ENGINEERS ▪ PLANNERS
316 Morris Avenue
Suite 410
Muskegon, MI 49440
P 231.722.3407
F 231.722.2589

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FIRST FLOOR POWER PLAN

EP1.1

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Branch Panel: BP-A

Location: BASEMENT 001
Supply From:
Mounting: Recessed
Enclosure:

Volts: 120/240 SINGLE
Phases: 1
Wires: 3

A.I.C. Rating: 10K
Mains Type: MAIN BREAKER
Mains Rating: 400 A
MCB Rating: 400 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		Poles	Trip	Circuit Description	CKT
A-1	BASEMENT LIGHTING	20 A	1	880 VA	720 VA			1	20 A	BASEMENT RECEPTACLES	A-2
A-3	BASEMENT RECEPTACLES	20 A	1			720 VA	720 VA	1	20 A	IT RECEPTACLES	A-4
A-5	LIGHTING CONTROL PANEL (LCP)	20 A	1	180 VA	4000 VA			2	50 A	DWH-1	A-6
A-7	RCP-1	15 A	1			300 VA	4000 VA	--	--	--	A-8
A-9	F-1	15 A	1	1100 VA	1100 VA			1	15 A	F-2	A-10
A-11	F-3	15 A	1			1400 VA	1400 VA	1	15 A	F-4	A-12
A-13	F-5	15 A	1	1400 VA	400 VA			1	20 A	SMOKE ALARM	A-14
A-15	EXTERIOR WALL LIGHT	20 A	1			84 VA	1457 VA	1	20 A	THERAPY, VESTIBULE, WAITING LIGHTING	A-16
A-17	OFFICE, EXAM, SMALL ROOMS LIGHTING	20 A	1	491 VA	890 VA			1	20 A	COMMON AREA LIGHTING	A-18
A-19	EXAM 1, 2 RECEPTACLE	20 A	1			1080 VA	1080 VA	1	20 A	EXAM 2, 3 RECEPTACLES	A-20
A-21	EH-4	20 A	1	1500 VA	900 VA			1	20 A	EXTERIOR, LAN, DIRT,CORR RECEPTACLES	A-22
A-23	LAB REFRIGERATOR	20 A	1			180 VA	360 VA	1	20 A	WEIGH-IN RECEPTACLES	A-24
A-25	LAB COUNTER RECEPTACLES	20 A	1	540 VA	1200 VA			1	20 A	BREAK REFRIGERATOR	A-26
A-27	BREAK RECEPTACLES	20 A	1			360 VA	720 VA	1	20 A	CLEAN, TOILET RECEPTACLES	A-28
A-29	BREAK RECEPTACLES	20 A	1	540 VA	1500 VA			1	20 A	EH-5	A-30
A-31	OFFICE RECEPTACLES	20 A	1			720 VA	900 VA	1	20 A	OFFICE RECEPTACLES	A-32
A-33	OFFICE RECEPTACLES	20 A	1	720 VA	900 VA			1	20 A	EXAM 6 RECEPTACLES	A-34
A-35	EXAM 4,5 RECEPTACLES	20 A	1			1080 VA	1080 VA	1	20 A	EXAM 4, INJECT RECEPTACLES	A-36
A-37	WEIGH-IN 108	20 A	1	360 VA	1200 VA			1	20 A	MEDS REFRIGERATOR	A-38
A-39	MEDS RECEPTACLES	20 A	1			540 VA	720 VA	1	20 A	NURSE	A-40
A-41	CORRIDOR OPE RECEPTACLES	20 A	1	900 VA	900 VA			1	20 A	WORK AREA RECEPTACLES	A-42
A-43	WORK AREA PRINTER	20 A	1			180 VA	180 VA	1	20 A	NURSES STATION PRINTER	A-44
A-45	NURSES STATION PRINTER	20 A	1	180 VA	720 VA			1	20 A	NURSES STATION COMPUTER	A-46
A-47	NURSES STATION COMPUTER	20 A	1			720 VA	360 VA	1	20 A	NURSE STATION COUNTER RECEPTACLES	A-48
A-49	RECEPTAION COMPUTERS	20 A	1	720 VA	540 VA			1	20 A	RECEPTAION COUNTER RECEPTACLES	A-50
A-51	RECEPTAION PRINTER	20 A	1			180 VA	540 VA	1	20 A	WAITING RECEPTACLES	A-52
A-53	LOUNGE RECEPTACLES	20 A	1	900 VA	900 VA			1	20 A	THERAPY RECEPTACLES	A-54
A-55	THERAPY TV	20 A	1			180 VA	540 VA	1	20 A	THERAPY RECEPTACLES	A-56
A-57	THERAPY RECEPTACLES	20 A	1	540 VA	1500 VA			1	20 A	ENTRY DOORS	A-58
A-59	HP-1	25 A	2			1529 VA	1820 VA	2	30 A	HP-2	A-60
A-61	--	--	--	1529 VA	1820 VA			--	--	--	A-62
A-63	HVAC	20 A	2			2288 VA	2288 VA	2	35 A	HP-4	A-64
A-65	--	--	--	2288 VA	2288 VA			--	--	--	A-66
A-67	HP-5	35 A	2			2288 VA	750 VA	1	20 A	EH-1	A-68
A-69	--	--	--	2288 VA	750 VA			1	20 A	EH-2	A-70
A-71	EH-3	20 A	1			1500 VA	696 VA	1	15 A	EF-1	A-72
A-73	EH-1	20 A	1	750 VA	3840 VA			2	40 A	WELL	A-74
A-75	WATERCOOLER (GFCI BREAKER)	20 A	1			180 VA	3840 VA	--	--	--	A-76
A-77											A-78
A-79											A-80
A-81											A-82
A-83											A-84
			Load Per Phase:	43813 VA		38903 VA					
			Amps Per Phase:	365 A		324 A					

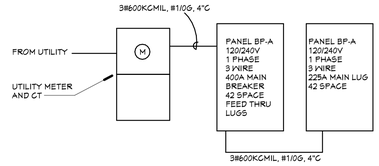
Total Load: (KVA) 67204 VA
Total Amps: (Amps) 280 A

Legend:

SITE ELECTRICAL NOTES:

(THESE NOTES APPLY TO ALL DRAWINGS)

1. REFER TO BUILDING DRAWINGS FOR EXTERIOR BUILDING MOUNTED AND CANOPY LIGHTING.
2. ALL WIRING FOR SITE LIGHTING SHALL BE A MINIMUM #8 AWG CU WITH #10 AWG CU GROUND.
3. PROVIDE DETECTABLE TYPE UNDERGROUND ELECTRIC MARKER TAPE ON ALL UNDERGROUND CONDUITS.
4. CALL "MISS DIG" AND COORDINATE ALL NEW UNDERGROUND UTILITIES WITH ALL NEW AND EXISTING UNDERGROUND UTILITIES, GAS, WATER, SEWER, IRRIGATION, ETC.



Electrical One-Line Diagram

HDJ Hooker DeJong Inc
ARCHITECTS ▪ ENGINEERS ▪ PLANNERS

Hooker DeJong Inc
ARCHITECTS ▪ ENGINEERS ▪ PLANNERS
316 Morris Avenue
Suite 410
Muskegon, MI 49440
P 231.722.3407
F 231.722.2589

HELEN NEWBERRY JOY MANISTIQUE LAKES
FAMILY CLINIC
W17530 MAIN ST., CURTIS, MI 49820

HELEN NEWBERRY JOY HOSPITAL

Project Number 4-1274

ISSUANCE

No.	Date	Description
3	2021.04.21	PERMITS
4	2021.05.19	BIDS

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ONE LINE DIAGRAM

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LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	LIGHTING FIXTURE		LAMP	VOLTAGE	FINISH	MOUNTING	REMARKS
		MANUFACTURER	CATALOG NUMBER	LAMP TYPE				
B2	2x2 GRID TROUFER LED	COLUMBIA	LCAT22-40-40-ML-G-E-U	LED	120	WHITE	GRID	
B2D	2x2 GRID TROUFER LED	COLUMBIA	LCAT22-40-40-ML-G-ED-U	LED	120	WHITE	GRID	DIMMING
B4	2x4 GRID TROUFER LED	COLUMBIA	LCAT24-40-40-ML-G-ED-U	LED	120	WHITE	GRID	
D	4' LINEAR SURFACE MOUNT LED WITH LENSE	COLUMBIA	CLS4-4040	LED	120	WHITE	CHAIN/SURFACE	
EM	2-HEAD, WALL MOUNTED L.E.D. EMERGENCY LIGHT	DUAL-LITE	LZ-15	LED	120	WHITE	WALL	
EMR	EXIT FIXTURE, REMOTE HEAD	DUAL-LITE	LZRSW610	LED	6	WHITE	WALL	
F1	4" RECESSED CAN	PRESOLITE	LTR-4RD-H-ML20L-DM1-LTR-4RD-T-40K-4-WD-SS-WT	LED	120	SEMI-SPEC	RECESSED	
F2	4" RECESSED CAN	PRESOLITE	LTR-4RD-H-SL15L-DM1-LTR-4RD-T-40K-4-NR-SS-WT	LED	120	SEMI-SPEC	RECESSED	COORDINATE GRID AND GYP CEILINGS WITH REFLECTED CEILING PLAN
F3	4" RECESSED CAN	PRESOLITE	LTR-4RD-H-ML20L-DM1-LTR-4RD-T-40K-4-WD-SS-WT	LED	120	SEMI-SPEC	RECESSED	
K	BATH SCONCE	LUMENGIA	LLF0324D-VT-4000K	LED	120	SATIN NICKEL	WALL	
U	UNDER CABINET LIGHT	COLUMBIA	CUC2-GS-ED120	LED	120	WHITE	SURFACE	
W1	EXTERIOR SCONCE	HUBBELL LIGHTING	SG1-30-4K7-FT-120-DBT	LED	120	DARK BRONZE	WALL	EXTERIOR LED WALL SCONCE
X1	CAST ALUMINUM EXIT SIGN	DUAL-LITE	SE-X-G-W	LED	120	WHITE	CEILING	
XR	EXIT FIXTURE, REMOTE HEAD	DUAL-LITE	EVQ-P-B	LED	120	BLACK	WALL	ON GENERATOR LIFE-SAFETY PANEL

SYMBOL KEY

$	SINGLE-POLE SWITCH	MTG. HT. 48" TO TOP OF BOX
$3	THREE-WAY SWITCH	MTG. HT. 48" TO TOP OF BOX
$4	FOUR-WAY SWITCH	MTG. HT. 48" TO TOP OF BOX
$D	DIMMER SWITCH - 1-POLE, 3-WAY OR 4-WAY AS REQUIRED - 0-10 VOLT FOR L.E.D. ILLUMINATION OR AS REQUIRED.	MTG. HT. 48" TO TOP OF BOX (DO NOT GANG MT. WITH OTHER SWITCHES)
$OS	OCCUPANCY SENSOR SWITCH - 1-POLE, 3-WAY OR 4-WAY AS REQUIRED. OSD - WITH DIMMER	MTG. HT. 48" TO TOP OF BOX
$LV	LOW-VOLTAGE SWITCH	MTG. HT. 48" TO TOP OF BOX
	DUPLEX RECEPTACLE OUTLET - IN GENERAL PROVIDE AFCI RATED OUTLETS IN ALL LOCATIONS DICTATED BY CODE. 'U' DESIGNATED USB/DUPLEX RECEPTACLE	MTG. HT. 18" TO BOTTOM OF BOX
	DUPLEX RECEPTACLE OUTLET MTD. ABOVE COUNTER. 'U' DESIGNATED USB/DUPLEX RECEPTACLE	MTG. HT. 48" TO CENTER OF BOX, U.N.O. OR MTD. ABOVE BACK SPLASH, REFER TO ARCH. DETAILS.
WPG	DUPLEX RECEPTACLE OUTLET W/ INTEGRAL GFCI, WP INDICATES WEATHERPROOF COVER (NEMA 3R WHILE IN USE) - COVERS SHALL BE CAST-ALUM	MTG. HT. 24" TO CENTER OF BOX, U.N.O.
G	DUPLEX RECEPTACLE OUTLET W/ INTEGRAL GFCI AND AFCI MTD. ABOVE COUNTER	MTG. HT. 48" TO TOP OF BOX, U.N.O. OR MTD. ABOVE BACK SPLASH, REFER TO ARCH. DETAILS.
	DOUBLE DUPLEX RECEPTACLE OUTLET IN DOUBLE- GANG BOX, AND IN METAL OR PLASTIC DIVIDED RACEWAYS	MTG. HT. 18" TO BOTTOM OF BOX, U.N.O.
	SPECIAL CONNECTION AS NOTED	REFER TO DRAWING
	DATA OUTLET OUTLET ONLY - 2 DATA DROPS PER LOCATION	MTG. HT. 18" TO BOTTOM OF BOX, U.N.O.
	HEAVY-DUTY NON-FUSED DISCONNECT SWITCH AS REQ'D BY CODE	REFER TO DRAWING
	CONTROL STATION OR PUSHBUTTON - NEMA RATED FOR EQUIPMENT TO BE INSTALLED	MTG. HT. 48" TO TOP OF BOX, U.N.O.
	BUSSMANN 'SSU' SINGLE OR DOUBLE FOLE WITH FUSETRON FUSE(S) AS REQUIRED.	INSTALL AT EQUIPMENT
	ELECTRIC PANELBOARD - SURFACE MOUNTED	MTG. HT. 72" TO TOP OF ENCLOSURE
	ELECTRIC METER	REFER TO DRAWING

GENERAL ELECTRICAL NOTES:

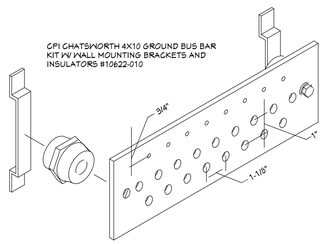
(THESE NOTES APPLY TO ALL DRAWINGS)

1. SITE AND BUILDING DOCUMENTS ARE BASED ON THE BEST AVAILABLE RECORDS AND ARE NOT GUARANTEED TO BE COMPLETE OR CORRECT, THEY ARE A GRAPHIC REPRESENTATION OF THIS PROJECT. CONTRACTOR SHALL BE RESPONSIBLE TO FIELD VERIFY THE LOCATIONS OF ALL NEW AND EXISTING LIGHTING FIXTURES, OUTLETS, WIRING DEVICES, ETC. THE LOCATIONS INDICATED ON THE DRAWINGS ARE FOR REFERENCE ONLY AND INTENDED TO BE A GUIDE TO THE CONTRACTOR IN ESTABLISHING A SCOPE OF THE WORK REQUIRED BY THE OWNER AND ARE FOR BIDDING PURPOSES ONLY.
2. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS BEFORE ANY DEMOLITION OR INSTALLATION OF MATERIALS.
3. CONTRACTOR SHALL FIELD VERIFY THE EXACT ELECTRICAL REQUIREMENTS, ROUGH-IN LOCATIONS, BOX TYPES, CONDUIT AND WIRING REQUIREMENTS FROM APPROVED EQUIPMENT INSTALLATION DRAWINGS FOR THIS PROJECT PRIOR TO ROUGH-IN OF AN ELECTRICAL ITEMS ASSOCIATED WITH THE EQUIPMENT. FAILURE TO DO SO IS AT THE CONTRACTORS EXPENSE AND DOES NOT CONSTITUTE AN EXTRA.
4. ELECTRICAL CONTRACTOR SHALL PROVIDE ARC-FLASH LABELING ON ALL ELECTRICAL GEAR & EQUIPMENT REQUIRED BY NEC.
5. CONTRACTOR SHALL VERIFY EXACT FEEDER, FUSE OR CIRCUIT BREAKER SIZE FOR EACH ITEM OR EQUIPMENT FROM CERTIFIED SHOP DRAWINGS AND INSTALLATION DRAWINGS FOR THIS PROJECT.
6. ALL NEW ELECTRICAL PANELS SHALL BONDED AND GROUNDED IN ACCORDANCE WITH THE LATEST ACCEPTED EDITION OF THE NEC, ART. 250 & STATE AND LOCAL ELECTRICAL CODES.
7. WITHIN NON-FIRE RATED WALL DO NOT INSTALL OUTLET BOXES BACK-TO-BACK TO HELP ELIMINATE SOUND TRANSMISSION THROUGH THE WALLS.
8. ALL NEW ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST ACCEPTED EDITION OF NATIONAL, STATE AND LOCAL ELECTRICAL CODES.
9. REFER TO N.E.C. ART. 406.12 TAMPER-RESISTANT RECEPTACLES IN WAITING AREA AND EXAM ROOMS ARE REQUIRED FOR ALL 120-VOLT, 15 AND 20-AMP RECEPTACLES. (NOTE: TAMPER RESISTANT REQUIREMENTS ARE NOT SHOWN ON THE DRAWINGS)
10. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
11. CIRCUITS SHALL NOT SHARE NEUTRALS. PROVIDE A SEPARATE NEUTRAL CONDUCTOR FOR EACH CIRCUIT.
12. ARCHITECTURAL TRADES SHALL PATCH OPENINGS FOR ALL ELECTRICAL ITEMS THAT ARE DEMOLISHED SUCH AS LIGHTING, RECEPTACLES, SWITCHES, MISCELLANEOUS DEVICES, ETC. AND FINISH TO MATCH NEW AND EXISTING CONSTRUCTION.
13. OCCUPANCY SENSORS SHOWN ON DRAWINGS ARE BASED ON GENERAL LOCATIONS. SELECTION, QUANTITIES, LOCATION AND POSITIONING SHALL CONFORM TO THE MANUFACTURERS SPECIFICATIONS.
14. ALL CONDUIT SHALL BE INSTALLED CONCEALED AND OUTLETS INSTALLED FLUSH IN FINISHED AREAS.
15. PROVIDE (2) PULL WIRES IN ALL CONDUITS FURNISHED FOR WORK TO BE INSTALLED BY OTHER CONTRACTORS. TAG PULL WIRES AND CONDUITS INDICATING START & END POINTS. UNLESS OTHERWISE NOTED.
16. ALL TELEPHONE / INTERNET / CABLE TV WIRING SHALL BE INSTALLED PROPERLY CONCEALED INSIDE OF WALLS. TESTED AND CERTIFIED BY CONTRACTOR.
17. REFER TO ARCHITECTURAL UNIT MATRIX FOR UNITS THAT ARE DESIGNATED AS ACCESSIBLE AND A/V.
18. MATERIAL WITHIN PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E84 (UL 723).
19. COAXIAL CABLE: FOR RUNS LESS THAN 150' UTILIZE RG6, FOR RUNS 150'-300' UTILIZE RG11.

ELECTRICAL ABBREVIATIONS:

(THESE NOTES APPLY TO ALL ELECTRICAL DRAWINGS)

A	AMPS
AFG	ABOVE FINISHED GRADE
AFF	ABOVE FINISHED FLOOR
A/V	AUDIO / VISUAL
AFGI	ARC-FAULT CIRCUIT INTERRUPTER
ATS	AUTOMATIC TRANSFER SWITCH
C	CONDUIT
CU	COPPER
CAM	CAMERA
DWH	DOMESTIC WATER HEATER
EF	EXHAUST FAN
FU	FUSE
G	GROUND
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
HH	HAND HOLE
HP	HORSEPOWER
KVA	KILOVOLT-AMPS
KW	KILOWATTS
MCB	MAIN CIRCUIT BREAKER
MDP	MAIN DISTRIBUTION PANEL
MCA	MINIMUM CIRCUIT AMPS
MLO	MAIN LUGS ONLY
MISC	MISCELLANEOUS
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURES ASSOCIATION
PVC	POLYVINYL CHLORIDE
REF OR REFRIG	REFRIGERATOR
TYP	TYPICAL
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
V	VOLTS
VFD	VARIABLE FREQUENCY DRIVE
W	WATTS
WP	WEATHERPROOF
XFMR	TRANSFORMER



3 E5.1 **I.T. GROUND BUS**

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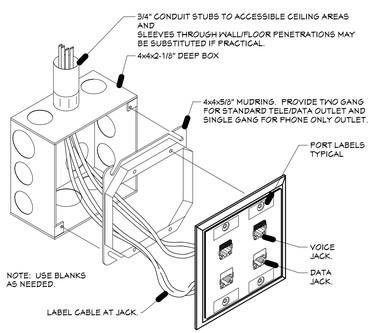

4 E5.1 **VOICE DATA**

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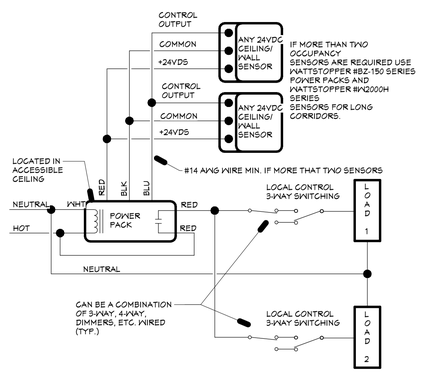

2 E5.1 **CEILING MOUNTED OCCUPANCY SENSOR**

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Hooker DeJong Inc
ARCHITECTS = ENGINEERS = PLANNERS

Hooker DeJong Inc
ARCHITECTS = ENGINEERS = PLANNERS
316 Morris Avenue
Suite 410
Muskegon, MI 49440
P 231.722.3407
F 231.722.2589

HELEN NEWBERRY JOY MANISTIQUE LAKES FAMILY CLINIC

W17530 MAIN ST., CURTIS, MI 49820

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DETAILS AND SCHEDULES

E5.1

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