

MARATHON COUNTY GROUP HOME

5006 CHADWICK STREET
SCHOFIELD, WI 54476

ADDITION

PROJECT NO. 18.023
FEBRUARY 2020



1 G001 SITE REFERENCE PLAN
SCALE: 1" = 30'-0"

OWNER INFORMATION:

CRAIG CHRISTIANS, FACILITY PLANNER
MARATHON COUNTY DEPARTMENT OF
FACILITIES AND CAPITAL MANAGEMENT
1000 LAKEVIEW DRIVE
WAUSAU, WI 54403

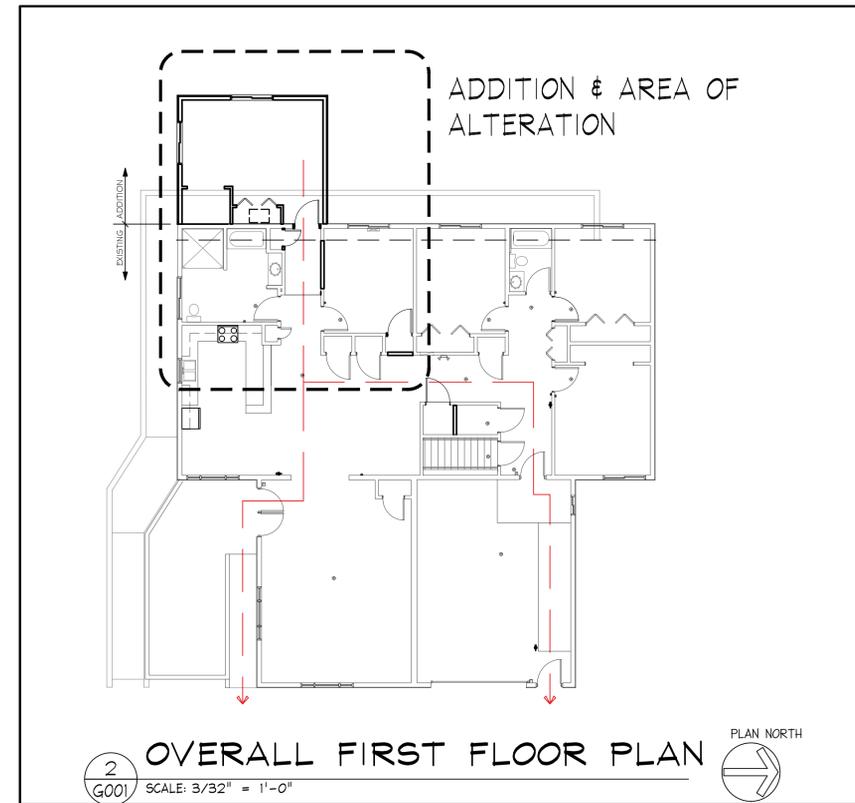
DESIGN TEAM:

FUNKTION DESIGN STUDIO
207 WINDTREE DRIVE
WAUSAU, WI 54401

ARCHITECT:
RICK SCHROEDER, AIA
(920) 374-7133
RICK@FUNKTIONDESIGNSTUDIO.COM



PROJECT ARCHITECT
RICHARD SCHROEDER, AIA



2 G001 OVERALL FIRST FLOOR PLAN
SCALE: 3/32" = 1'-0"

DRAWING INDEX	
SHEET	DRAWING TITLE
GENERAL	
G001	TITLE SHEET, INDEX AND SITE PLAN
ARCHITECTURAL	
DI01	DEMOLITION & NEW WORK PLAN
DI02	FIRST FLOOR DEMOLITION PLAN
D200	DEMOLITION ELEVATIONS AND TYPICAL WALL SECTION
A101	BASEMENT NEW WORK PLAN AND DETAILS
A102	FIRST FLOOR NEW WORK PLAN AND SCHEDULES
A200	NEW WORK ELEVATIONS AND WINDOW DETAIL
A220	BUILDING SECTIONS AND DETAILS
STRUCTURAL	
S100	STRUCTURAL PLANS
PLUMBING & HVAC	
M101	BASEMENT MECHANICAL PLANS
M102	FIRST FLOOR MECHANICAL PLANS
ELECTRICAL	
E100	ELECTRICAL GENERAL NOTES AND ABBREVIATIONS
E200	ELECTRICAL POWER PLAN - MAIN LEVEL
E201	ELECTRICAL POWER PLAN - BASEMENT LEVEL
FIRE ALARM	
FA101	BASEMENT FIRE ALARM PLAN
FA102	FIRST FLOOR FIRE ALARM PLAN
FIRE PROTECTION	
FPI01	FIRE SUPPRESSION BASE BID
FPI02	FIRE SUPPRESSION ALTERNATES 1 AND 2

BUILDING CODE INFORMATION

- THE OCCUPANCY OF THE BUILDING IS CLASSIFIED AS A COMMUNITY-BASED RESIDENTIAL FACILITY SERVING A MAXIMUM OF 8 UNRELATED ADULTS.
- BUILDING IS CLASSIFIED CONSTRUCTION CLASS VB, ADDITION
- ADDITION FOOTPRINT:363 SF.
- ALL WORK TO COMPLY WITH THE APPLICABLE REQUIREMENTS OF WISCONSIN UNIFORM DWELLING CODE, SPS 320 TO 325 AND DHS 83 COMMUNITY-BASED RESIDENTIAL FACILITIES AS APPLICABLE AND COMPLY WITH ALL APPLICABLE LOCAL CODES.
- ALL ELECTRICAL WIRING, INSTALLATION, EQUIPMENT AND MATERIALS USED IN THE CONSTRUCTION OF THIS PROJECT SHALL COMPLY WITH THE REQUIREMENTS OF SPS 324, WISCONSIN ADMINISTRATIVE ELECTRICAL CODE, VOL. 2, CH. SPS. 316.
- THE DESIGN, CONSTRUCTION AND INSTALLATION OF THE HVAC SYSTEM SHALL COMPLY WITH SPS 323.
- THE DESIGN, CONSTRUCTION AND INSTALLATION OF PLUMBING SHALL COMPLY WITH THE REQUIREMENTS OF SPS 325 AND THE WISCONSIN ADMINISTRATIVE PLUMBING CODE, CHS. SPS 382 TO 387.
- ALL ELECTRICAL LIGHTING, INSTALLATION, EQUIPMENT AND MATERIALS USED IN THE CONSTRUCTION OF THIS PROJECT SHALL COMPLY WITH THE REQUIREMENTS OF THE WISCONSIN ADMINISTRATIVE ELECTRICAL CODE, VOL. 2, AND CH. SPS. 316.
- THE BUILDING IS SPRINKLERED, THE ADDITION IS TO COMPLY WITH NFPA 13R OR 13D CODE REQUIREMENTS.
- THE BUILDING IS PROTECTED WITH A FIRE ALARM SYSTEM, THE ADDITION IS TO COMPLY WITH NFPA 72, NATIONAL FIRE ALARM CODE REQUIREMENTS AND DHS 83.
- ONE SET OF APPROVED PLANS MUST BE KEPT ON SITE DURING ALL WORKING PERIODS.

--- PATH OF EGRESS

FIRE SAFETY NOTES

- FIRE EXTINGUISHER: PROVIDE A PORTABLE DRY CHEMICAL FIRE EXTINGUISHER WITH A MINIMUM 2A, 10-B-C RATING WITH A WALL MOUNT BRACKET. MOUNT WHERE INDICATED ON DRAWING. FIRE EXTINGUISHER SHALL BE MAINTAINED IN READILY USABLE CONDITION. INSPECTIONS OF THE FIRE EXTINGUISHER SHALL BE DONE BY A QUALIFIED PROFESSIONAL ONE YEAR AFTER INITIAL PURCHASE AND ANNUALLY THEREAFTER. EACH FIRE EXTINGUISHER SHALL BE PROVIDED WITH A TAG DOCUMENTING THE DATE OF INSPECTION. FIRE EXTINGUISHERS SHALL BE CLEARLY VISIBLE. THE ROUTE TO THE FIRE EXTINGUISHER SHALL BE UNOBSTRUCTED AND THE TOP OF THE FIRE EXTINGUISHER SHALL NOT BE OVER 5 FEET HIGH. EXTINGUISHER LOCATED SO THE TRAVEL DISTANCE BETWEEN EXTINGUISHERS DOES NOT EXCEED 75 FEET.
- INTERCONNECTED SMOKE AND HEAT DETECTION SYSTEM: THE CBRF SHALL HAVE AN INTERCONNECTED SMOKE DETECTION SYSTEM PURSUANT TO S. 50.035 (2), STATS., AND SHALL HAVE AN INTERCONNECTED HEAT DETECTION SYSTEM TO PROTECT THE ENTIRE CBRF SO THAT IF ANY DETECTOR IS ACTIVATED, AN ALARM AUDIBLE THROUGHOUT THE BUILDING WILL BE TRIGGERED. SMOKE AND HEAT DETECTORS SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH NFPA 72 NATIONAL FIRE ALARM CODE AND THE MANUFACTURER'S RECOMMENDATION. SMOKE DETECTORS POWERED BY THE CBRF'S ELECTRICAL SYSTEM SHALL BE TESTED BY CBRF PERSONNEL ACCORDING TO MANUFACTURER'S RECOMMENDATION, BUT NOT LESS THAN ONCE EVERY OTHER MONTH. CBRFS SHALL MAINTAIN DOCUMENTATION OF TESTS AND MAINTENANCE OF THE DETECTION SYSTEM.

GENERAL NOTES:

- ALTHOUGH THIS SET OF DRAWINGS AND SPECIFICATIONS CLEARLY SHOW THE SCOPE AND INTENT OF THIS PROJECT, EVERY DETAIL CANNOT BE SHOWN. THUS, THE CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIAL TO ACCOMPLISH THE COMPLETION OF THIS PROJECT. THIS INCLUDES ITEMS WHICH MAY NOT BE SHOWN.
- ALL EXISTING DIMENSIONS ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR TO VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD.
- DO NOT SCALE DRAWINGS.
- GENERAL CONTRACTOR TO VERIFY ACCESS LOCATIONS, MATERIAL STORAGE AREAS, PARKING AREAS, ETC. WITH OWNER.
- CONTRACTOR TO PROVIDE TEMPORARY SHORING AS REQUIRED.
- ALL STUDS, DRYWALL AND INSULATION TO EXTEND UP TO UNDERSIDE OF DECK UNLESS OTHERWISE SHOWN OR NOTED.
- PATCH ALL AREAS ADJACENT TO DEMOLITION OR NEW WORK AS REQUIRED.
- ANY DISCOVERY, DOCUMENTATION, NOTIFICATION TO THE DNR, PERMIT OBTAINING PROCESS, AND ALL OTHER ASPECTS RELATING TO ANY ASBESTOS BEARING MATERIAL ON THIS PROJECT SHALL BE THE SOLE RESPONSIBILITY OF THE OWNER AND CONTRACTOR(S) INVOLVED. ARCHITECT OF THIS PROJECT SHALL HAVE NO RESPONSIBILITY OF ANY ABATEMENT RELATED ACTIVITIES PERTAINING TO THIS PROJECT.
- THE PLANS AND SPECIFICATIONS ARE INTENDED TO GIVE A DESCRIPTION OF THE WORK. HOWEVER, THE CONTRACTOR SHALL VISIT THE SITE TO VERIFY EXISTING CONDITIONS, DEPTHS, AND ACCESS TO THE WORK AREA. THERE SHALL BE NO DEVIATION FROM THE PLANS AND SPECIFICATIONS WITHOUT WRITTEN CONSENT FROM THE ARCHITECT. THE CONTRACTOR IS TO CLARIFY AND DISCREPANCIES WITH THE ARCHITECT PRIOR TO BEGINNING WORK.
- THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL (INCLUDING TAXES) AND EQUIPMENT AS NECESSARY TO COMPLETE THE WORK. ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES, ORDINANCES AND REGULATIONS, INCLUDING THE REQUIREMENTS OF ICC/ANSI A117.1-2003 ARE HEREBY MADE A PART OF THESE SPECIFICATIONS AND SHALL BE COMPLIED WITH AS FAR AS THEY APPLY TO WORK UNDER THIS CONTRACT.
- THE CONTRACTOR(S) SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING & SUPERVISING ALL SAFETY PRECAUTIONS & PROGRAMS IN CONNECTION WITH THE PERFORMANCE OF THIS CONTRACT. REFER TO IBC CH.33 (SAFEGUARDS DURING CONSTRUCTION) FOR SPECIFIC CODE RELATED SAFETY REQUIREMENTS.
- ALL CONDITIONS PRESENTED BY THE CONSTRUCTION PROCESS INVOLVING MEANS AND METHODS TO BE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

NO.	DESCRIPTION	DATE

FUNKTION
Design Studio
207 Windtree Drive
Wausau, WI 54401
www.funktiondesignstudio.com

MARATHON COUNTY
5006 CHADWICK STREET
WAUSAU, WI 54403

MARATHON CO. GROUP HOME
CHADWICK ADDITION

TITLE SHEET, INDEX AND SITE PLAN

DRAWN BY: M. HAMLIN

CHK'D BY: RLS

DATE: 3/9/2020

SCALE:

DWG. FILE NAME:

PROJECT NUMBER:

19.026

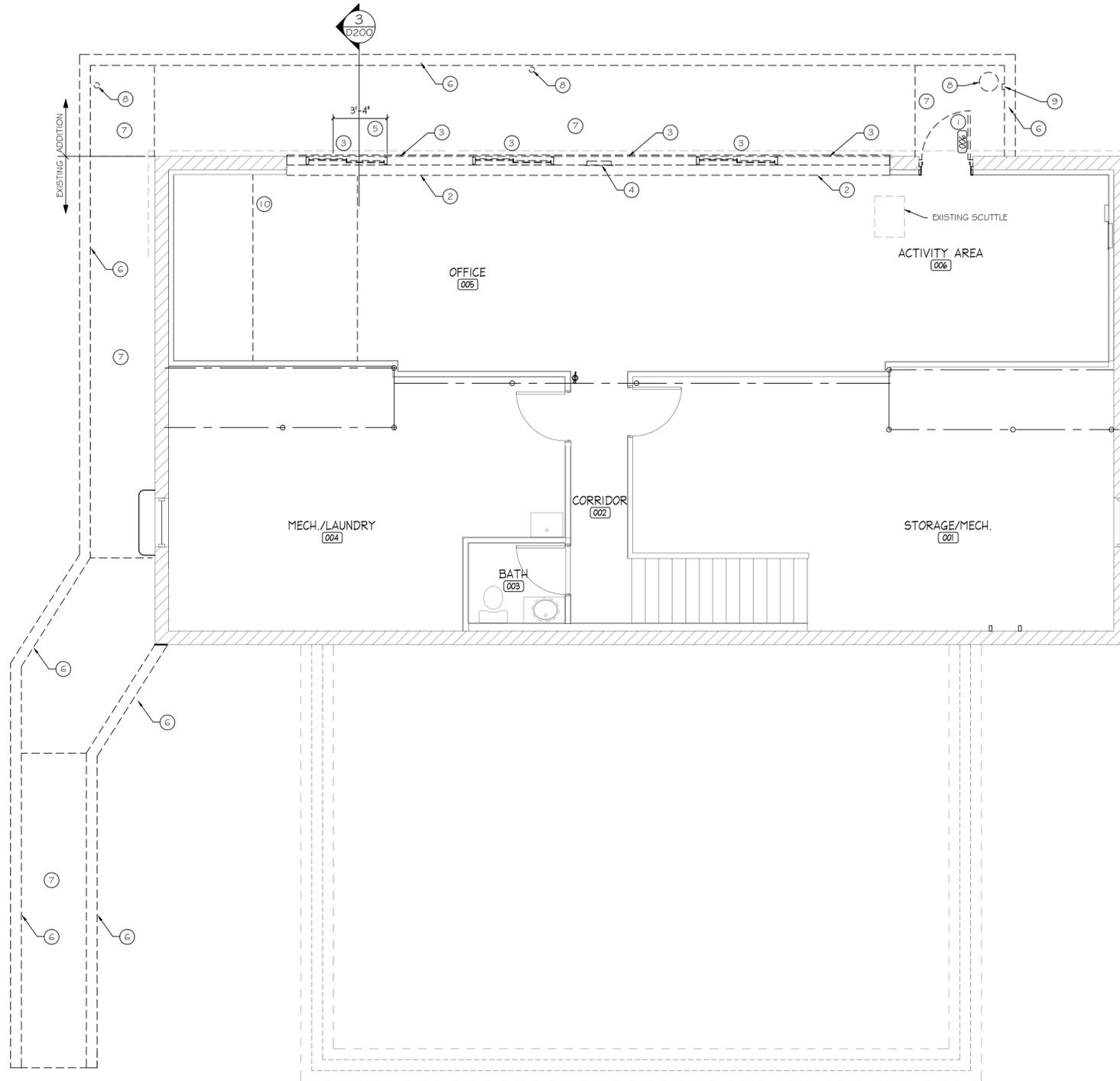
SHEET NUMBER

G001

1 OF 18

DATE: 3/6/2020 9:49 AM
 DRAWING NAME: MARATHON CO. GROUP HOME CHADWICK ADDITION CHADWICK ADD 200X100X100
 LAYOUT TAB: 000

08025



1
D101 DEMOLITION PLAN
 SCALE: 1/8" = 1'-0"



DEMOLITION NOTES:

- 1 SITE CLEAR THE EXISTING EXTERIOR DOOR, FRAME AND HARDWARE. INFILL THE EXISTING MASONRY OPENING WITH 10" CMU WALL FIELD VERIFY.
- 2 SITE CLEAR EXISTING WOOD FRAMED KNEE, PREP FOR NEW FULL HEIGHT STUD WALL.
- 3 SITE CLEAR EXISTING SLIDE BY WINDOWS, TRIM & HEADERS. REMOVE THE EXISTING EXTERIOR STUD WALL AS SHOWN. PREP THE EXISTING MASONRY EXTERIOR WALL TO RECEIVE THE NEW 10" CMU REINFORCED INFILL WALL. SHORE THE EXISTING FLOOR FRAMING UNTIL THE NEW MASONRY WALL IS IN PLACE.
- 4 ELECTRICAL CONTRACTOR TO RELOCATE THE EXISTING ELECTRICAL PANEL IN THE NEW EXTERIOR FURRING WALL. USE CAUTION WHEN REMOVING THE EXISTING EXTERIOR WALL CONSTRUCTION, PROTECT AND SUPPORT THE PANEL IN PLACE. SEE ELECTRICAL PLANS.
- 5 SAWCUT NEW MASONRY OPENING 40" WIDE. TOOTH IN JAMB BLOCK AT THE NEW SERVICE DOOR OPENING.
- 6 SITE CLEAR EXISTING 8" RETAINING WALL AND WOOD GUARDRAIL. OWNER TO REMOVE THE EXISTING WOOD DECK STRUCTURE.
- 7 SITE CLEAR THE EXISTING CONCRETE SLAB ON GRADE
- 8 SITE CLEAR THE EXISTING PVC DRAINS AND PIPING BACK TO THE EXISTING SUMP PIT. SITE CLEAR THE EXISTING SUMP PIT. CAP THE EXISTING DRAIN PIPE PER STATE AND LOCAL CODES.
- 9 ELECTRICAL CONTRACTOR TO SITE CLEAR THE EXTERIOR OUTLET FOR SUMP PIT.
- 10 SAWCUT AND SITE CLEAR SECTION OF CEILING DRYWALL TO ALLOW ACCESS TO DUCTWORK, SPRINKLER PIPING AND ELECTRICAL TO THE NEW ADDITION. COORDINATE THE EXACT LOCATION AND SIZE WITH MEP AND FIRE PROTECTION SUBCONTRACTORS. PATCH GYPSUM CEILING AND ALL PENETRATIONS AFTER ALL MECHANICAL CONTRACTORS HAVE COMPLETED THE WORK. TAPE, FINISH AND TEXTURE. REPAINT THE ENTIRE CEILING. SEE MEP AND FIRE PROTECTION DRAWINGS FOR THE NUMBER OF PENETRATIONS. FIRE PROTECTION CONTRACTOR TO COORDINATE THE ALTERNATE 1 AND 2 SITE CLEAR OF MATERIALS LOCATIONS.
- 11 CUT NEW DOOR OPENING IN THE EXISTING EXTERIOR WALL, INSERT NEW HEADER - SEE STRUCTURAL SHT. 5100. PATCH TO MATCH ALL ADJACENT WALL CONSTRUCTION AND FINISH TO BE FLUSH. FINISHED DOOR HEIGHT 6'8"
- 12 REMOVE AND RELOCATE EXISTING DOOR, FRAME, HARDWARE AND TRIM TO NEW CLOSET.
- 13 SITE CLEAR THE EXISTING WALL FLOOR TO CEILING. PATCH ALL ADJACENT WALL CONSTRUCTION AND FINISH.
- 14 SITE CLEAR FLOORING & BASE TRIM. PREP WALL TO RECEIVE NEW FINISHES PER MANUFACTURER RECOMMENDATIONS.
- 15 SITE CLEAR THE EXISTING VINYL SIDING, SOFFIT, FASCIA, CUTTER AND OVERHANG FRAMING AS SHOWN. FIELD VERIFY THE EXIST AMOUNT OF SIDING REMOVAL ALONG THE SOUTH ELEVATION TO PROVIDE A CONTINUOUS HORIZONTAL SIDING INSTALLATION WITH THE NEW ADDITION PROVIDE WEATHER TIGHT TERMINATIONS AT ALL REMAINING MATERIALS. PREP FOR NEW ADDITION.
- 16 SITE CLEAR EXISTING SKYLIGHTS AND FRAMING. ADD NEW ROOF FRAMING AT OPENINGS. PREP FOR NEW SURFACE CEILING LIGHT FIXTURE. PATCH VAPOR BARRIER, INSTALL NEW INSULATION AND DRYWALL, TAPED, TEXTURED AND PAINT THE ENTIRE CEILING. ROOFING IS A DECRA METAL PANEL. CONTRACTOR TO FAMILIARIZE THEMSELVES WITH THE PANEL REMOVAL FROM THE TOP DOWN. ADD FRAMING, SHEATHING AND BUILDING PAPER. REUSE EXISTING SALVAGE METAL PANELS TO REINSTALL IN PLACE. (SEE DEMOLITION ELEVATION DESIGNATING THE SALVAGE AREA)
- 17 SAWCUT NEW DOOR ROUGH OPENING TO FIT 3'-0"x6'-8" DOOR, FRAME AND HEADER. PATCH TO MATCH ALL ADJACENT WALL CONSTRUCTION AND FINISHES.

GENERAL DEMOLITION NOTES:

- GENERAL AND ELECTRICAL CONTRACTOR TO COORDINATE AND FIELD VERIFY ALL ELECTRICAL OUTLETS AND SWITCHES TO BE RELOCATED FROM ALL DEMOLITION AREAS. ELECTRICAL CONTRACTOR TO RELOCATE OR TERMINATE AS REQUIRED PER ALL STATE AND LOCAL CODES. ALL EXISTING AND NEW ELECTRICAL TO BE INSTALLED PROVIDING A COMPLETE WORKING SYSTEM WITH THE EXISTING SYSTEM.

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 Wausau, WI 54401
 www.funktiondesignstudio.com

MARATHON COUNTY
 5005 CHADWICK STREET
 SCHORFIELD, WI

**MARATHON CO. GROUP HOME
 CHADWICK ADDITION
 BASEMENT DEMOLITION PLAN**

DRAWN BY: M. HAMLIN

CHK'D BY: RLS

DATE: 3/6/2020

SCALE:

DWG. FILE NAME:

PROJECT NUMBER:
 19.026

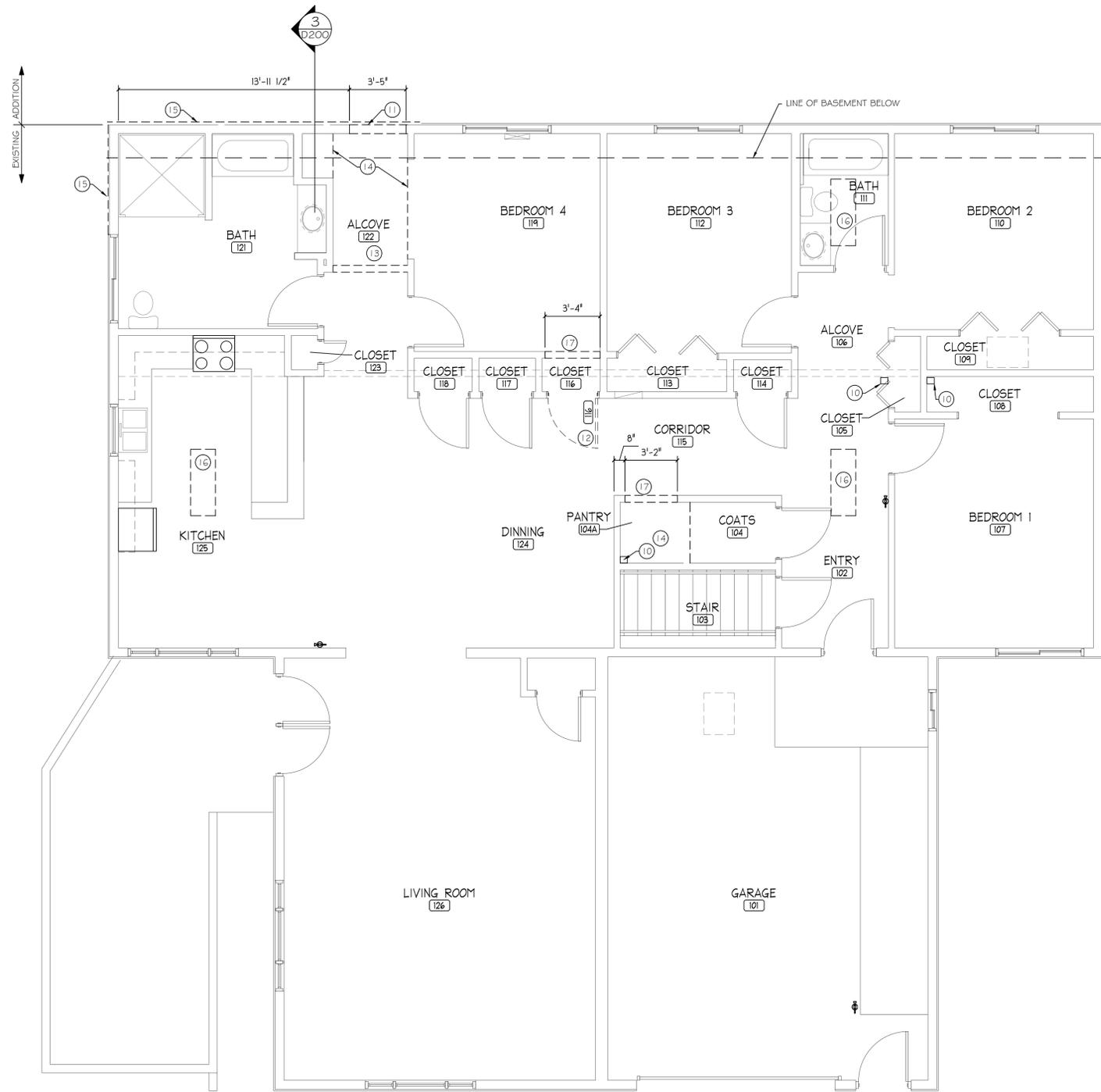
SHEET NUMBER

D101

2 OF 18

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DATE: 3/6/2020 9:50 AM
 DRAWING NAME: MARATHON CO. GROUP HOME CHADWICK ADDITION
 LAYOUT TAB: D102



1
D102 DEMOLITION PLAN
 SCALE: 1/8" = 1'-0"
 PLAN NORTH

DEMOLITION NOTES:

- 1 SITE CLEAR THE EXISTING EXTERIOR DOOR, FRAME AND HARDWARE. INFILL THE EXISTING MASONRY OPENING WITH 10" CMU WALL FIELD VERIFY.
- 2 SITE CLEAR EXISTING WOOD FRAMED KNEE, PREP FOR NEW FULL HEIGHT STUD WALL.
- 3 SITE CLEAR EXISTING SLIDE BY WINDOWS, TRIM & HEADERS. REMOVE THE EXISTING EXTERIOR STUD WALL AS SHOWN. PREP THE EXISTING MASONRY EXTERIOR WALL TO RECEIVE THE NEW 10" CMU REINFORCED INFILL WALL. SHORE THE EXISTING FLOOR FRAMING UNTIL THE NEW MASONRY WALL IS IN PLACE.
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- 11 CUT NEW DOOR OPENING IN THE EXISTING EXTERIOR WALL, INSERT NEW HEADER - SEE STRUCTURAL SHT. 5100. PATCH TO MATCH ALL ADJACENT WALL CONSTRUCTION AND FINISH TO BE FLUSH. FINISHED DOOR HEIGHT 6'8"
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MARATHON COUNTY
 5005 CHADWICK STREET
 SCHORFIELD, WI

**MARATHON CO. GROUP HOME
 CHADWICK ADDITION
 FIRST FLOOR DEMOLITION PLAN**

DRAWN BY: M. HAMLIN

CHK'D BY: RLS

DATE: 3/6/2020

SCALE:

DWG. FILE NAME:

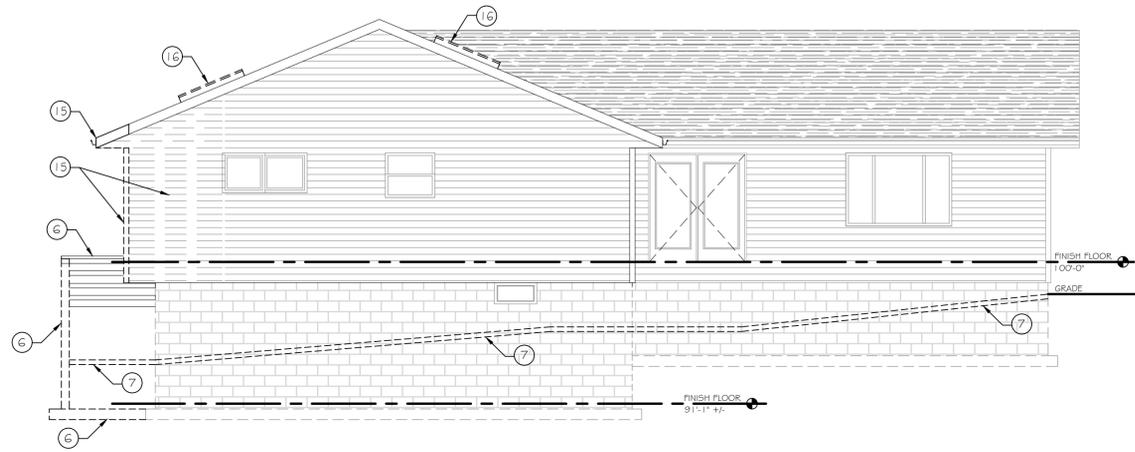
PROJECT NUMBER:
19,026

SHEET NUMBER

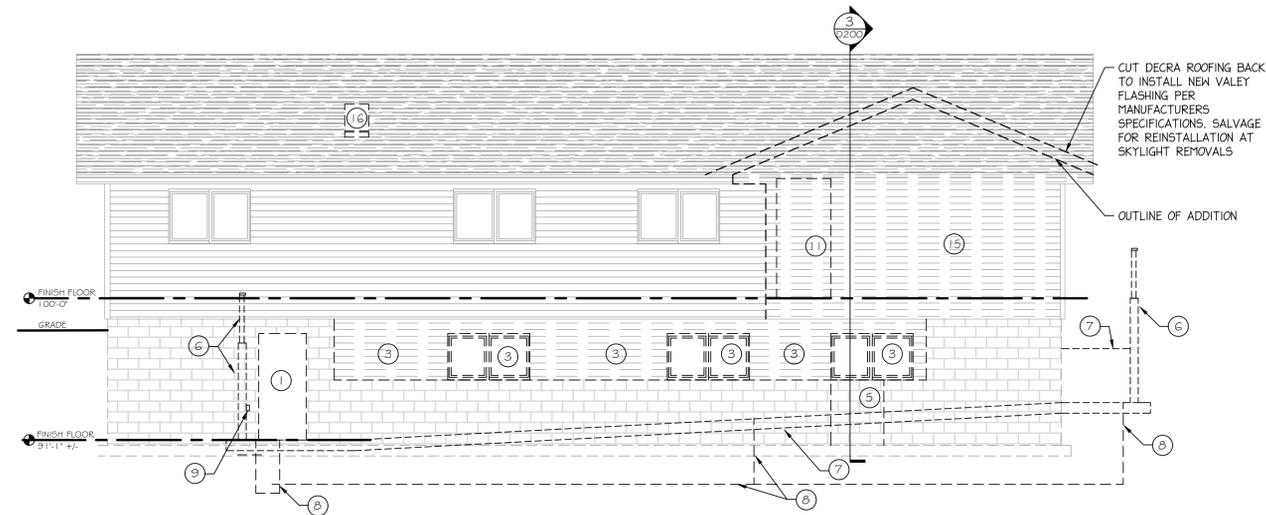
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3 OF 18

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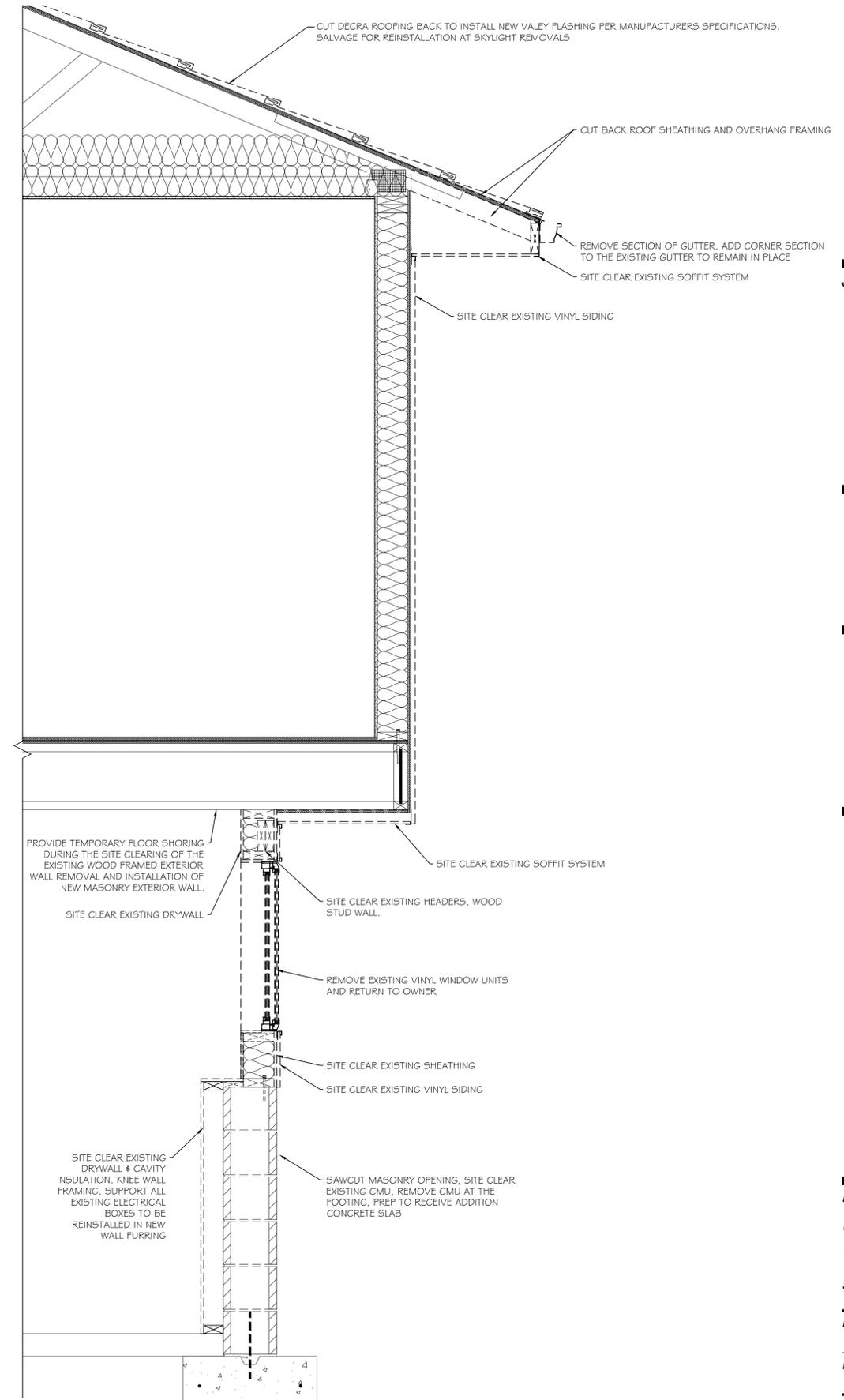
1 PLAN SOUTH DEMOLITION ELEVATION
D200 SCALE: 3/16" = 1'-0"



2 PLAN WEST DEMOLITION ELEVATION
D200 SCALE: 3/16" = 1'-0"

DEMOLITION NOTES:

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- 11 CUT NEW DOOR OPENING IN THE EXISTING EXTERIOR WALL, INSERT NEW HEADER - SEE STRUCTURAL SHT. S100. PATCH TO MATCH ALL ADJACENT WALL CONSTRUCTION AND FINISH TO BE FLUSH. FINISHED DOOR HEIGHT 68"
- 12 REMOVE AND RELOCATE EXISTING DOOR, FRAME, HARDWARE AND TRIM TO NEW CLOSET.
- 13 SITE CLEAR THE EXISTING WALL FLOOR TO CEILING. PATCH ALL ADJACENT WALL CONSTRUCTION AND FINISH.
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3 DEMOLITION WALL SECTION
D200 SCALE: 1" = 1'-0"

NO.	DESCRIPTION	DATE

FUNKTION Design Studio
207 Windtree Drive
Wausau, WI 54401
www.funktiondesignstudio.com

MARATHON COUNTY
5005 CHADWICK STREET
SCHOFIELD, WI

**MARATHON CO. GROUP HOME
CHADWICK ADDITION**
**DEMOLITION ELEVATION AND
TYPICAL WALL SECTION**

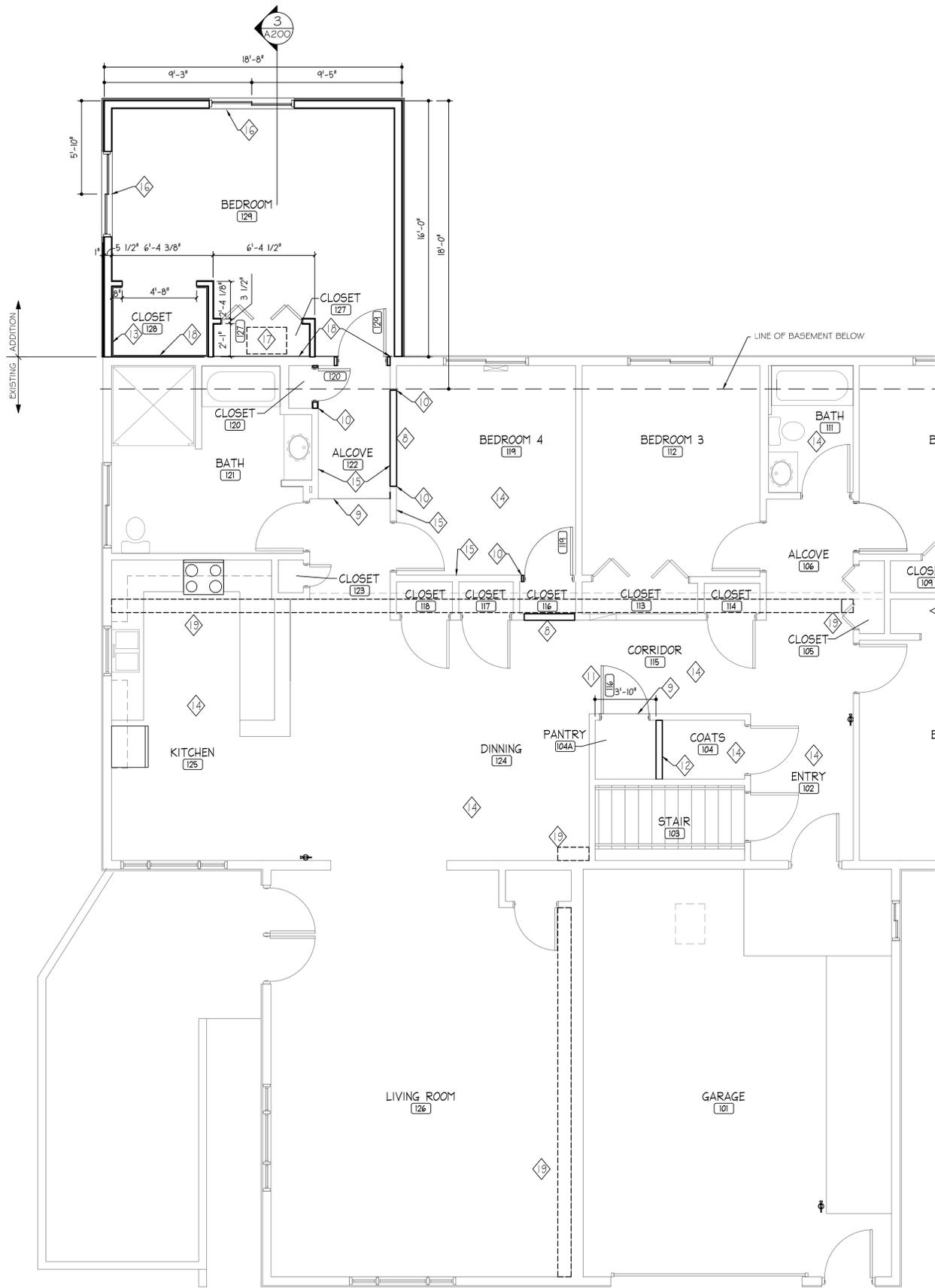
DRAWN BY: M. HAMLIN
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DWG. FILE NAME:
PROJECT NUMBER:
19_026
SHEET NUMBER

D200
4 OF 18

3/9/2020 9:50 AM
 LAST SAVED: MAR 11 3:49:2020 9:50 AM
 LAYOUT TAB: D200
 PLEASE DATE AND TIME
 DRAWING NAME: MARATHON CO. GROUP HOME CHADWICK ADDITION DEMOLITION ELEVATION AND TYPICAL WALL SECTION

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DATE: 3/9/2020 9:53 AM
 DRAWING NAME: MARATHON CO. GROUP HOME CHADWICK ADDITION
 LAYOUT TAB: A102



1
A102 NEW WORK FIRST FLOOR PLAN
 SCALE: 1/4" = 1'-0"
 PLAN NORTH

PLAN NOTES

- 1 INFILL EXISTING DOOR OPENING w/ 1" O" CMU (FIELD VERIFY WALL THICKNESS)
- 2 NEW 1" O" CMU EXTERIOR WALL (VERIFY WALL THICKNESS) ABOVE EXISTING CMU WALL BASE. REINFORCE PER DETAIL 3/A101
- 3 NEW 2X4 WOOD STUD FURRING WALL (VERIFY WALL THICKNESS) SEE DETAIL 3/A101
- 4 NEW DOOR, FRAME AND HARDWARE IN NEW INTERIOR FURRING WALL
- 5 NEW SUMP PIT - SEE SHEET M101
- 6 NEW PERIMETER DRAIN TILE, INSIDE AND OUTSIDE OF THE NEW ADDITION FOOTING, ADDITIONAL DRAIN TILE SET 4'-0" BELOW GRADE AND RUN INTO THE BUILDING ADDITION SUMP PUMP DRAINAGE SYSTEM ALONG THE WEST AND SOUTH ELEVATION
- 7 AREA WINDOW WELL 37" W x 12" H x 12" CORRUGATED PROJECTION STEEL STRAIGHT WINDOW WELL w/ PLASTIC STRAIGHT FLAT WINDOW WELL COVER 39"W x 13" PROJECTION BY SHAPE PRODUCTS
- 8 INFILL EXISTING DOOR OPENING, PATCH TO MATCH FLUSH WITH ADJACENT WALL CONSTRUCTION AND FINISH.
- 9 PROVIDE NEW FLOOR TRANSITION, MATCH ADJACENT FLOOR FINISH BY FLOORING CONTRACTOR
- 10 ALIGN NEW INTERIOR STUD WALL WITH THE EXISTING WALL TO BE FLUSH
- 11 REINSTALL EXISTING SALVAGE WOOD CLOSET DOOR, FRAME AND HARDWARE, NEW WOOD TRIM TO MATCH EXISTING
- 12 INSTALL NEW WOOD WALL STUD PARTITION w/5/8" GYPSUM WALL BOARD TAPED, SANDED AND TEXTURED (BOTH SIDES). PATCH TO MATCH ADJACENT WALL FINISH. (FIELD VERIFY DRYWALL THICKNESS AND MATCH) NEW 4" VINYL WALL BASE TO MATCH EXISTING.
- 13 8" HIGH VINYL BASE WALL PROTECTION RUB RAIL @ PERIMETER OF ROOM, .040" THICK, COLOR BY CLIENT, MODEL 2404.0 BY WALLGUARD.COM
- 14 PATCH CEILING AND PAINT THE ENTIRE ROOM.
- 15 PATCH ADJACENT WALLS AND PAINT THE ENTIRE WALL CORNER TO CORNER
- 16 NEW VINYL SINGLE SLIDE WINDOW SEE DETAIL 3/A200
- 17 20"x30" ACCESS PANEL, SEE DETAIL 5/A220
- 18 INSTALL NEW 5/8" GYP. BD. OVER EXISTING SHEATHING. TAPE, FINISH & TEXTURE.
- 19 ALTERNATE 1: PROVIDE WOOD FRAMED SOFFIT AND VERTICAL CHASE OUTSIDE CLOSET 105 FROM THE FIRE PROTECTION PIPING PENETRATION ELEVATION UP TO THE VAULTED CEILING.

DOOR SCHEDULE

DOOR NO.	ROOM LOCATION	DOOR					FRAME		HRDW	NOTES
		TYPE	WIDTH	HEIGHT	THICK.	CORE	TYPE	DETAILS		
006	BASEMENT	EXIST	3'-0"	6'-8"	1 3/4"	WD.	EX STEEL		SET 3	SALVAGED DOOR UNIT, REINSTALL IN NEW BASEMENT STORAGE ROOM
116	PANTRY	EXIST	3'-0"	6'-8"	1 3/4"	WD.	EX WD		EXISTING	SALVAGE & RELOCATE
119	BEDROOM CLOSET	FLUSH	3'-0"	6'-8"	1 3/4"	WD.	PREHUNG WD		SET 4	
120	CLOSET	FLUSH	2'-0"	6'-8"	1 3/4"	WD.	PREHUNG WD		SET 1	
127	CLOSET	BI-FOLD	5'-0" OPNG	6'-8"	1 3/4"	WD.	CASED OPNG			
129	BEDROOM	FLUSH	3'-0"	6'-8"	1 3/4"	WD.	PREHUNG WD		SET 2	

HARDWARE SETS:

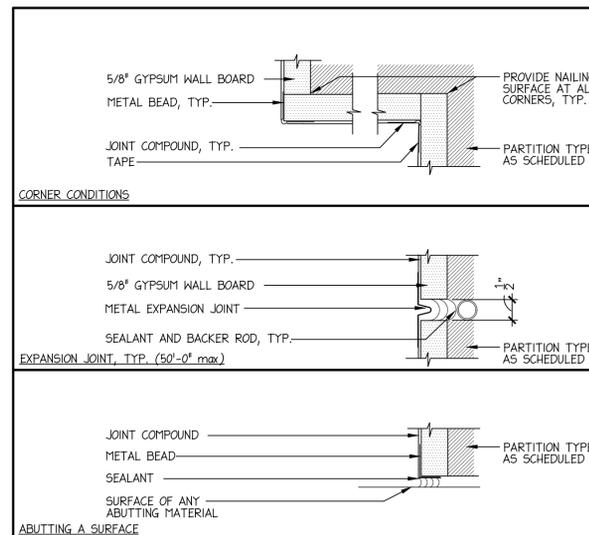
- SET 1 (STORAGE)**
 1 1/2 PR. HINGES
 1 LOCKSET STORAGE FUNCTION
- SET 2 (PRIVACY)**
 1 1/2 PR. HINGES
 1 LOCKSET - PRIVACY FUNCTION
 1 DOOR BUMPER
- SET 3 (BASEMENT STORAGE)**
 1 LOCKSET STOREROOM FUNCTION
 1 SET WEATHER STRIPPING
 1 SNEEP
- SET 4 (PASSAGE)**
 1 1/2 PR. HINGES
 1 LOCKSET - PASSAGE FUNCTION
 1 DOOR BUMPER

ROOM FINISH SCHEDULE

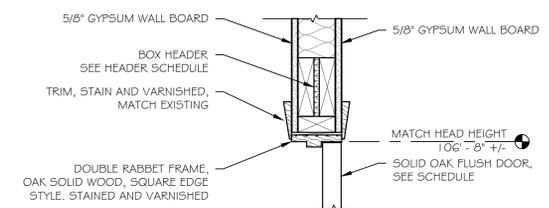
ROOM NO.	ROOM NAME	BASE	FLOOR	WALL				CLG	NOTES
				NORTH	WEST	SOUTH	EAST		
006	STORAGE		EXP CONG	EX GB /PT	EX GB /PT	EX GB /PT	EX GB /PT		
104A	PANTRY	VB	LVT	GB /PT	EX GB /PT	EX GB /PT	EX GB /PT	EXP GYP/ PT	PAINT BOTH SIDES OF NEW WALL, ADD NEW BASE IN ROOM 104
116	CLOSET	VB	ETR	---	---	EX GB/ PS	EX GB/ M	EXP GYP/ PT	
120	CLOSET	VB	LVT	GB /PT	EX GB /PT	EX GB /PT	EX GB /PT	EXP GYP/ PT	
122	ALCOVE	VB	LVT	GB /PT	EX GB /PT	EX GB /PT	EX GB /PT	EXP GYP/ PT	
127	CLOSET	VB	LVT	GB /PT	GB /PT	GB /PT	GB /PT	GYP/ PT	
128	CLOSET	VB	LVT	GB /PT	GB /PT	GB /PT	GB /PT	GYP/ PT	INSTALL VINYL BASE OVER VINYL BASE WALL PROTECTION RUB RAIL
129	BEDROOM	VB	LVT	GB /PT	GB /PT	GB /PT	GB /PT	GYP/ PT	

ROOM FINISH LEGEND:

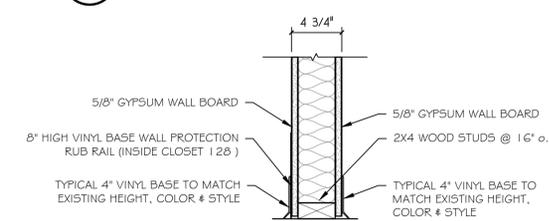
- EXP = EXPOSED
 CONG = EXISTING CONCRETE SLAB
 GB = GYPSUM BD
 EX = EXISTING
 ETR = EXISTING TO REMAIN
 VB = 4" VINYL BASE TO MATCH
- PT = PAINT
 LVT = LUXURY VINYL TILE TO MATCH EXISTING



2
A102 TYPICAL GYPSUM DETAILS
 SCALE: 6" = 1'-0"



3
A102 TYPICAL DOOR DETAIL
 SCALE: 1 1/2" = 1'-0"



4
A102 TYPICAL WALL DETAIL
 SCALE: 1 1/2" = 1'-0"

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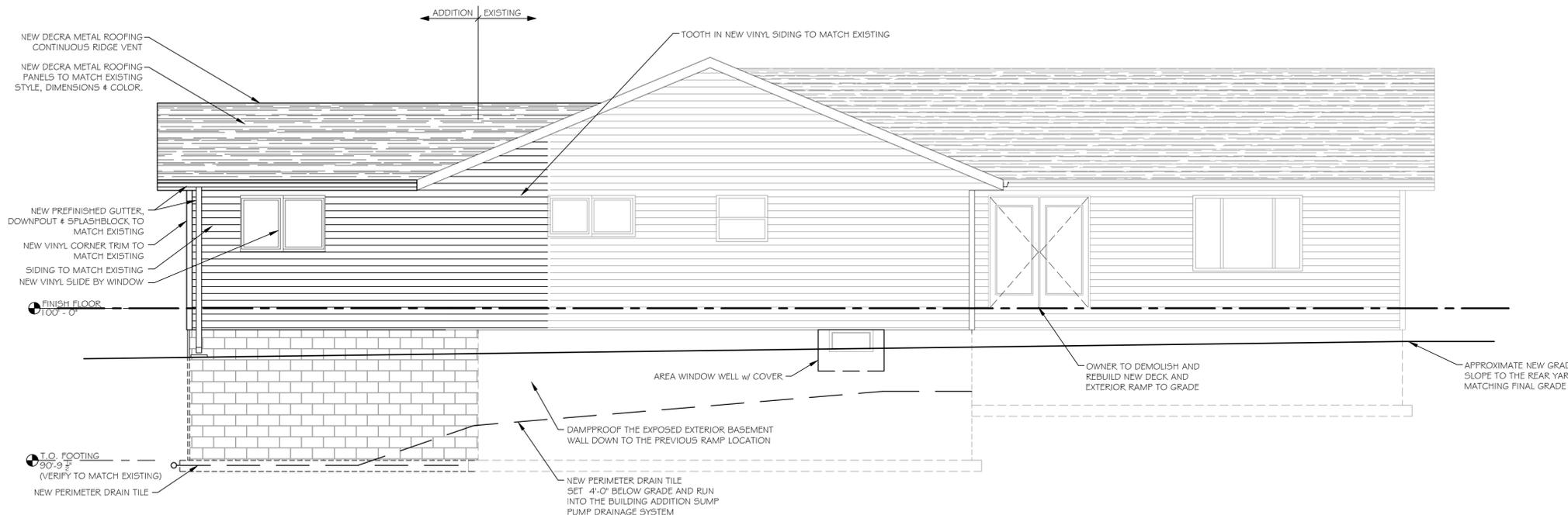
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 SCHOFIELD, WI

**MARATHON CO. GROUP HOME
 CHADWICK ADDITION
 FIRST FLOOR NEW WORK PLAN
 AND SCHEDULES**

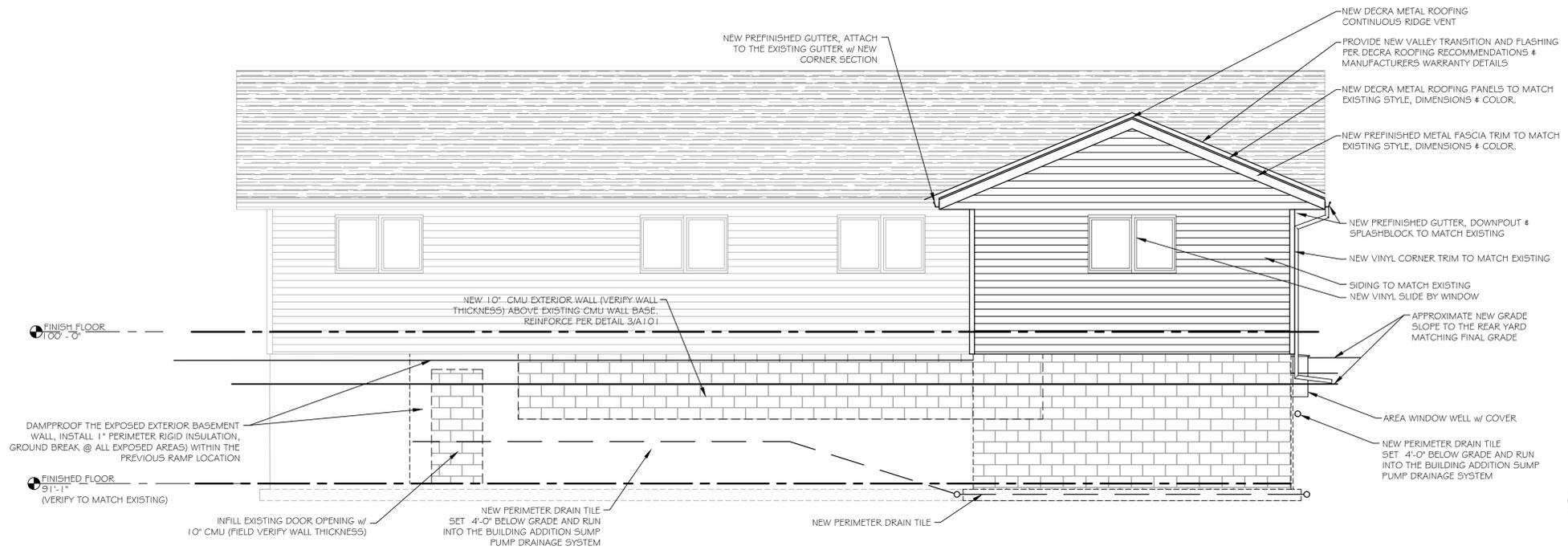
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 CHK'D BY: RLS
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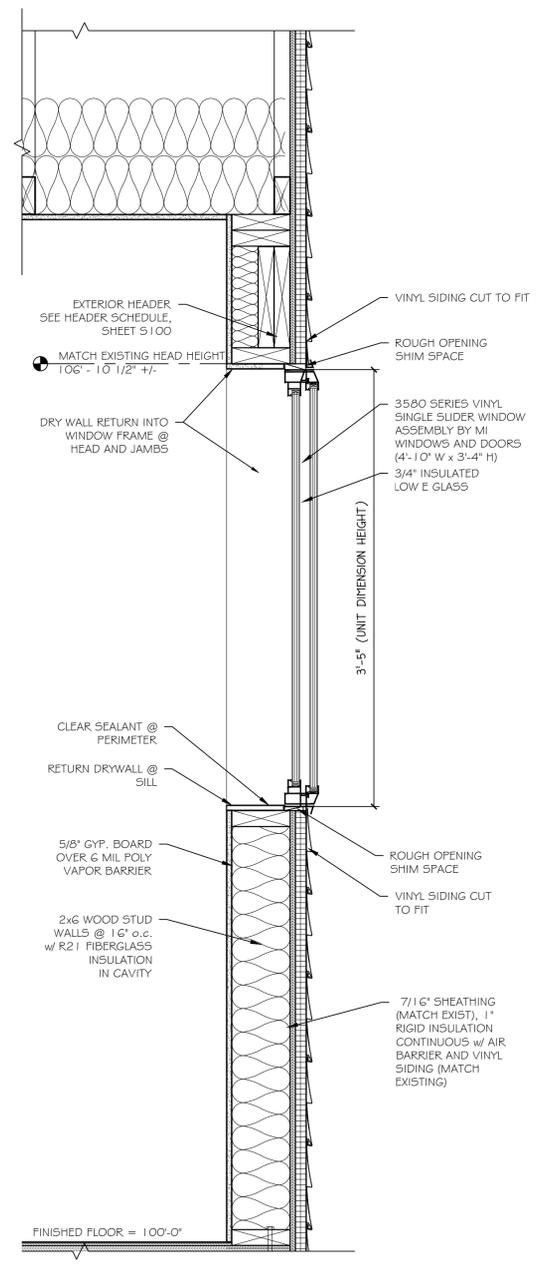
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1 PLAN SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



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



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

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2	ADDENDUM 2	2/15/19

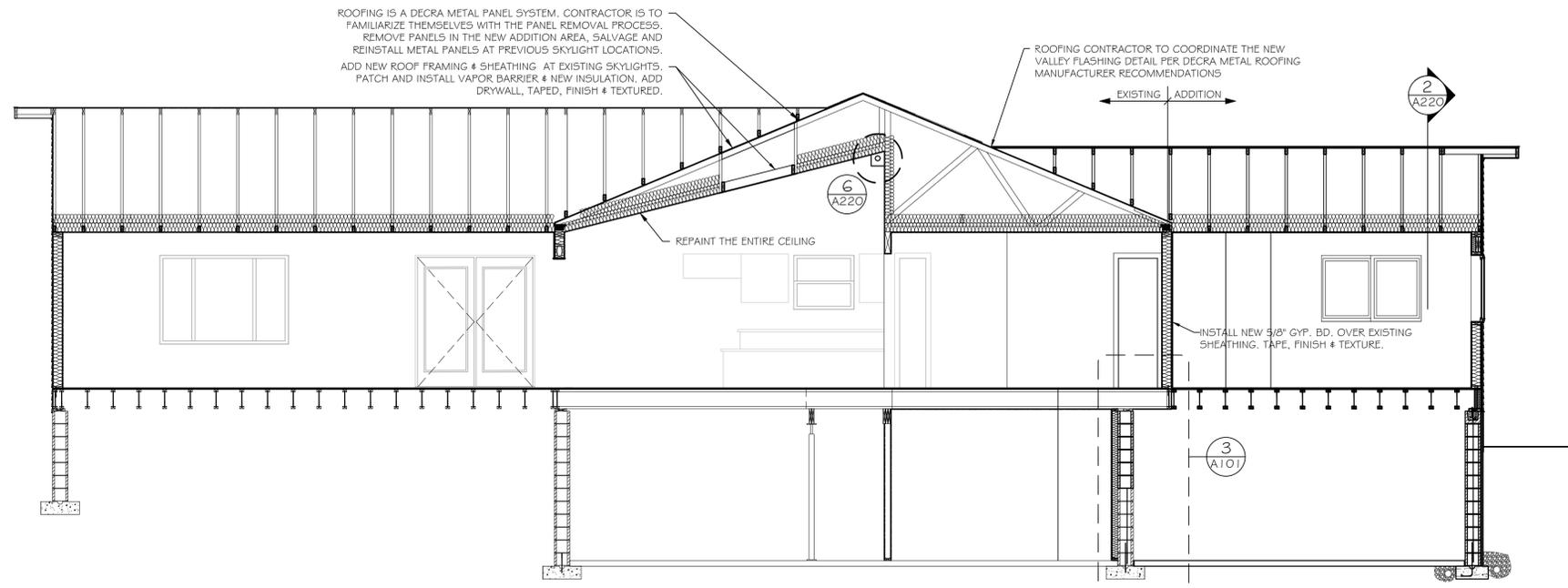
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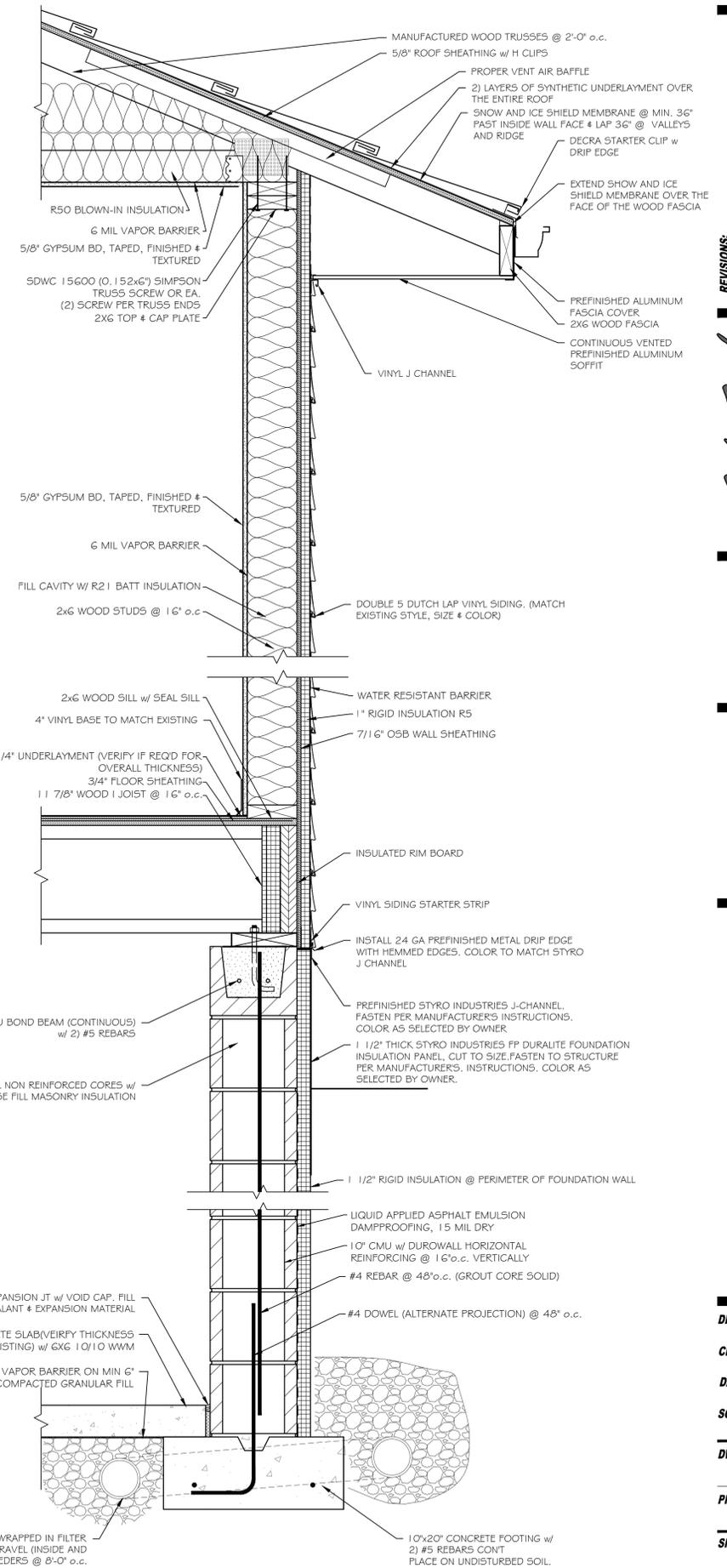
**MARATHON CO. GROUP HOME
CHADWICK ADDITION
NEW WORK ELEVATIONS AND
AND WINDOW DETAIL**

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SHEET NUMBER
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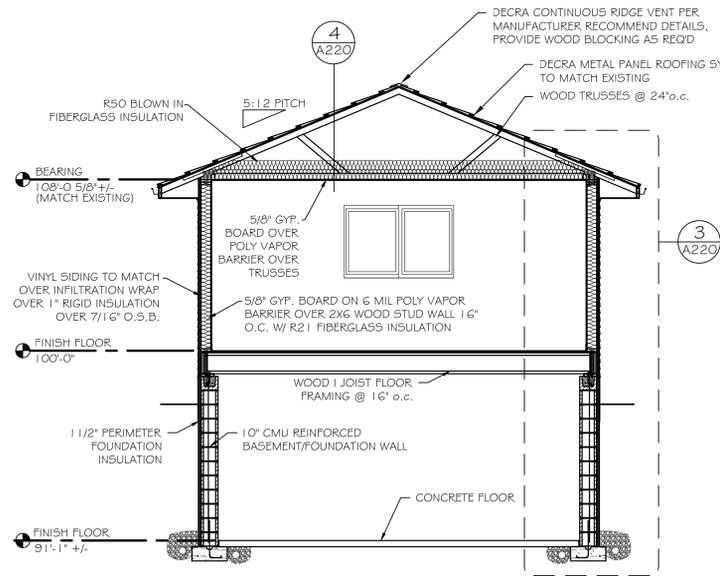
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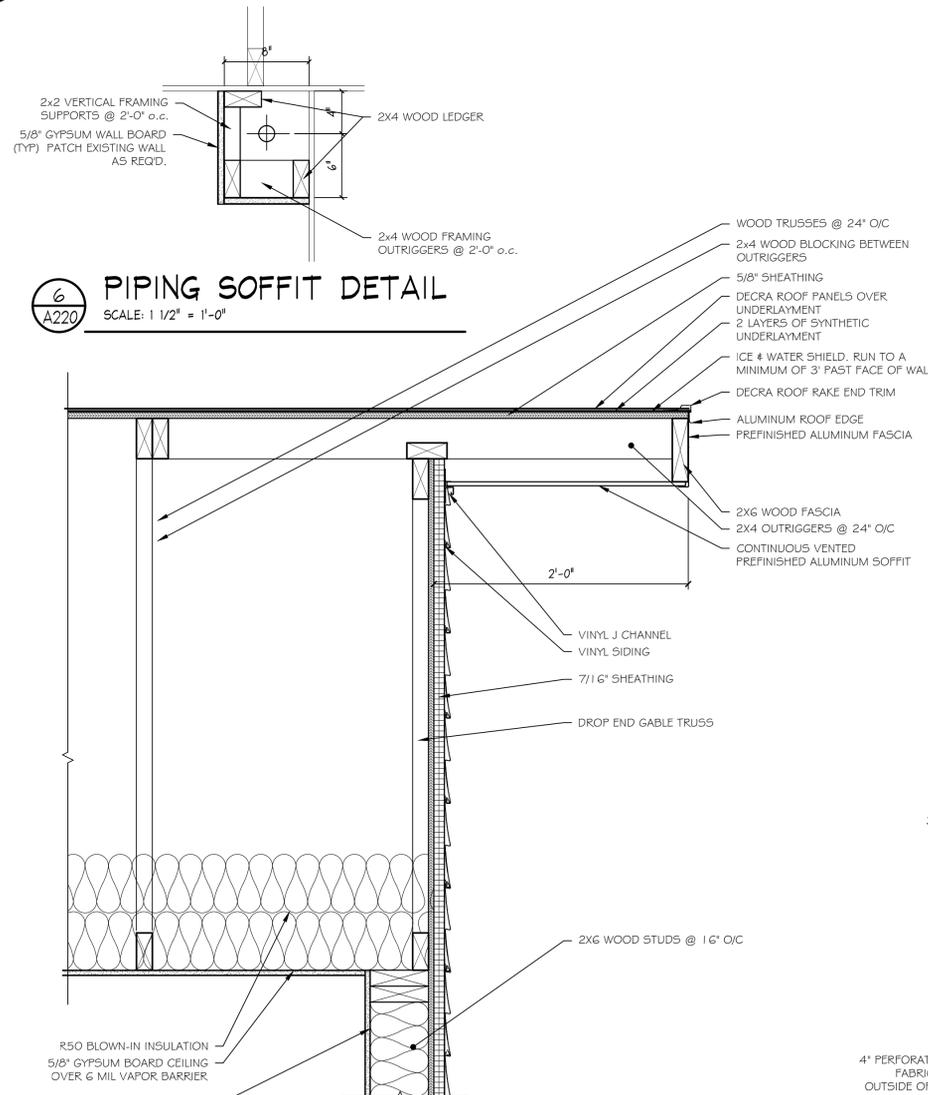
1 LONGITUDINAL SECTION
 SCALE: 1/4" = 1'-0"



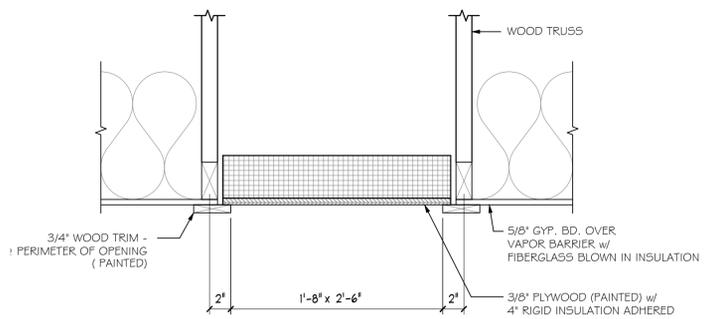
3 TYPICAL WALL SECTION
 SCALE: 1 1/2" = 1'-0"



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



6 PIPING SOFFIT DETAIL
 SCALE: 1 1/2" = 1'-0"



5 ATTIC ACCESS DETAIL
 SCALE: 1 1/2" = 1'-0"



4 RAKE OVER HANG DETAIL
 SCALE: 1 1/2" = 1'-0"

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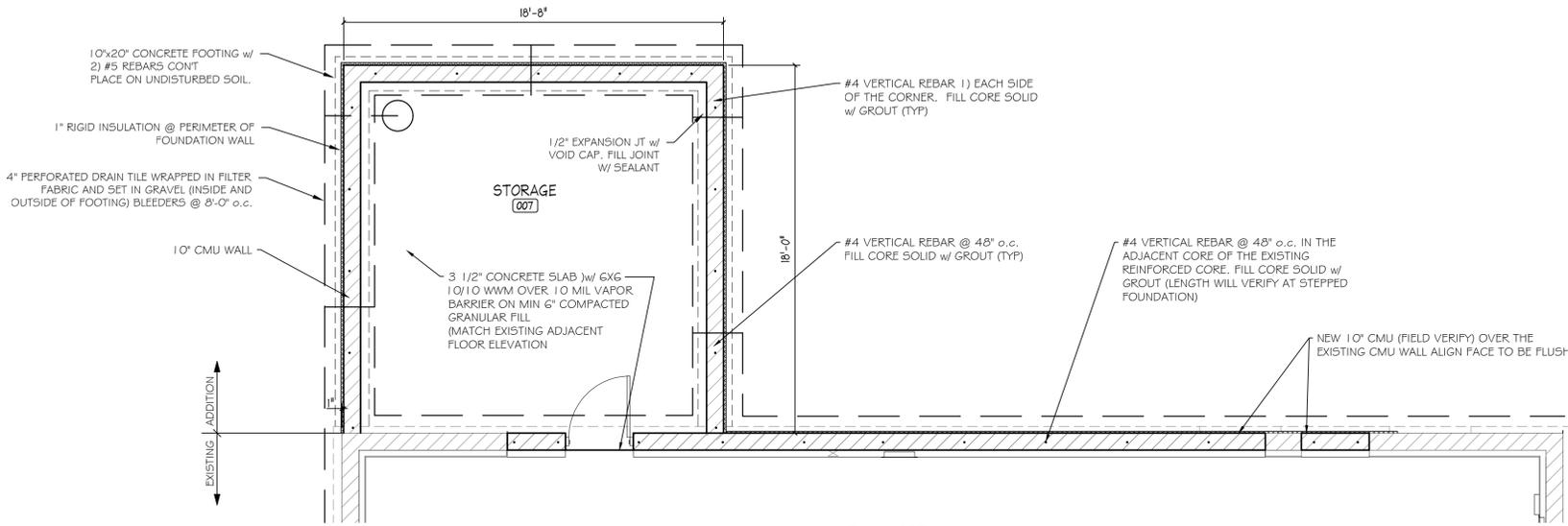
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**MARATHON CO. GROUP HOME
 CHADWICK ADDITION**
 BUILDING SECTIONS AND DETAILS

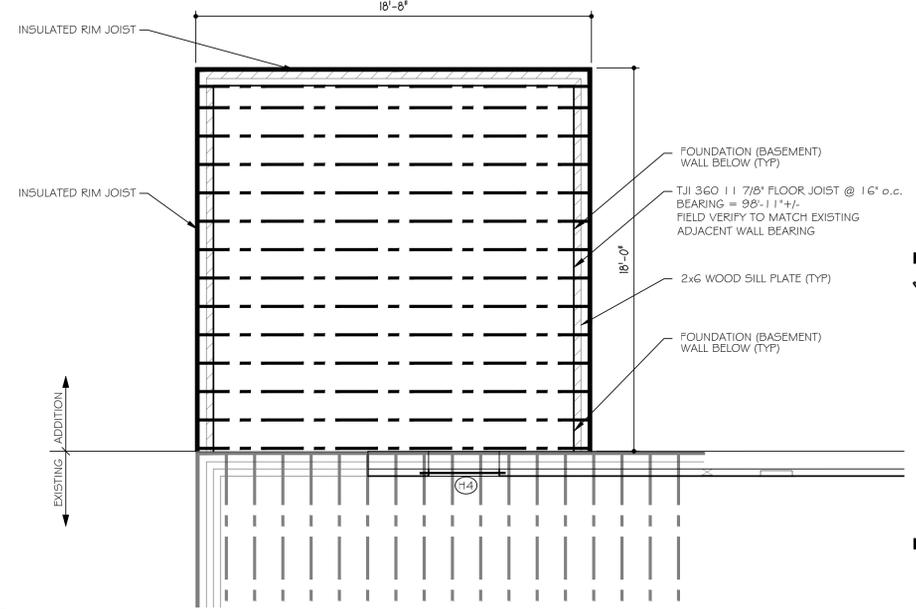
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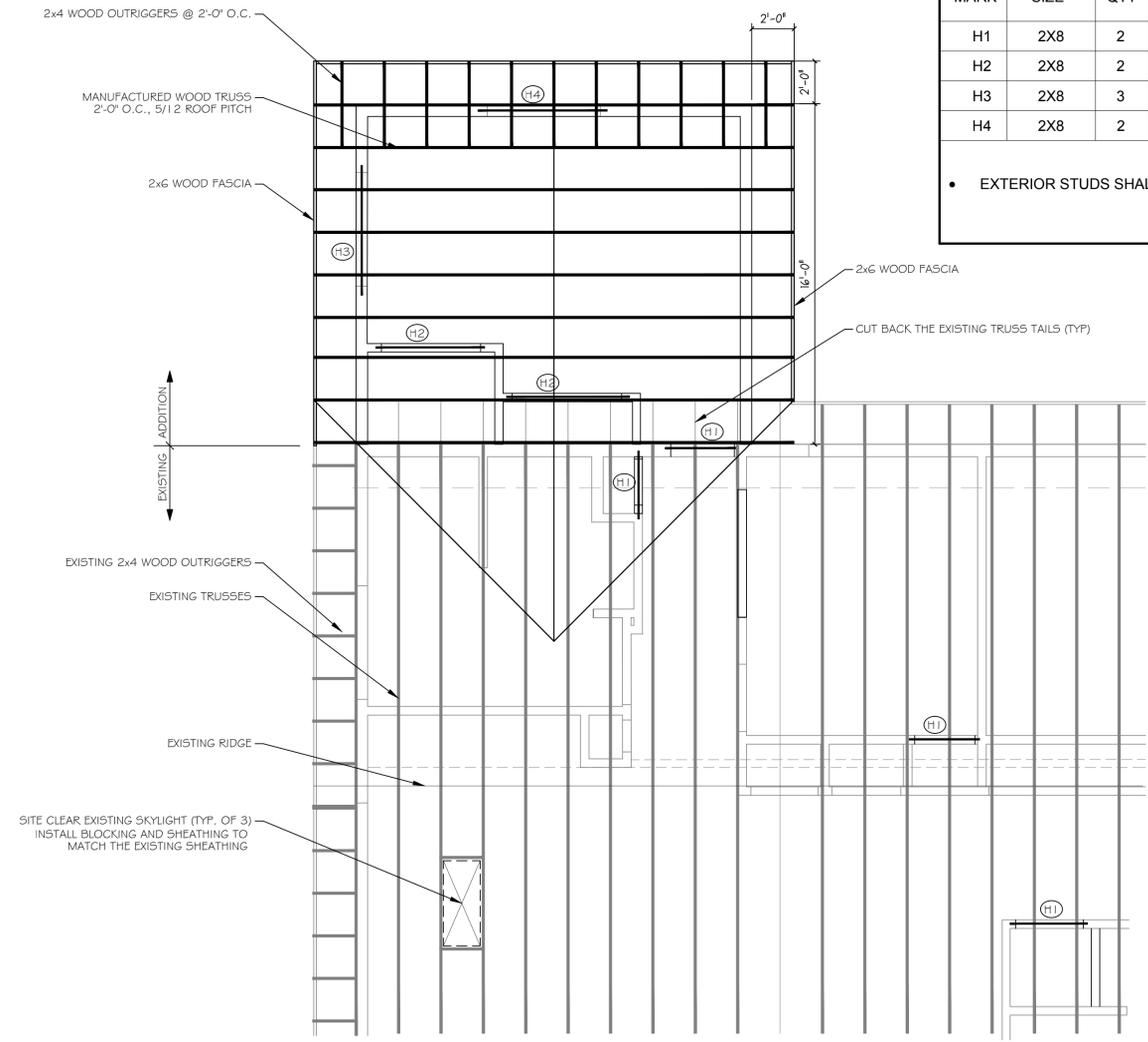
1 FOUNDATION PLAN
SCALE: 1/4" = 1'-0"
PLAN NORTH



3 FLOOR FRAMING PLAN
SCALE: 1/4" = 1'-0"
PLAN NORTH

WOOD HEADER SCHEDULE								
MARK	SIZE	QTY	TYPE	BRG	JAMB STUDS	KING STUDS	SPAN	NOTES
H1	2X8	2	#2 SPF	1 1/2"	1	1	3.5 FT	
H2	2X8	2	#2 SPF	1 1/2"	1	1	5.1 FT	
H3	2X8	3	#2 SPF	1 1/2"	1	1	5.3 FT	
H4	2X8	2	#2 SPF	1 1/2"	1	1	5.3 FT	NON BEARING CONDITION

• EXTERIOR STUDS SHALL BE SPRUCE - PINE - FIR (SPF) #1/#2



2 ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"
PLAN NORTH

CODE REFERENCES
ALL WORK SHALL CONFORM TO THE LATEST VERSIONS OF THE FOLLOWING CONSTRUCTION AND MATERIAL CODES:

OVERALL:
WISCONSIN UNIFORM DWELLING CODE CHS. SPS 320 TO 325

STRUCTURAL WOOD:
NFA - NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION
NFA - DESIGN VALUES FOR WOOD CONSTRUCTION
AITC - TIMBER CONSTRUCTION MANUAL, PART II DESIGN SPECIFICATIONS
APA - US PRODUCT STANDARD PS 1-83
LAMINATED VENEER LUMBER SHALL CONFORM TO TRUS JOIST CORPORATION MICROLAM 1.9E LVL SPECS

STRUCTURAL WOOD CONSTRUCTION

- STRUCTURAL WOOD SHALL BE VISUALLY GRADED IN ACCORDANCE WITH ASTM D1990-00E1 OR ASTM D246. WOOD SHALL BE IDENTIFIED BY A GRADE MARK OR CERTIFICATE OF INSPECTION ISSUED BY A RECOGNIZED INSPECTION AGENCY.
- ALL WOOD SHALL HAVE A MAXIMUM MOISTURE CONTENT OF 15% PRIOR TO INSTALLATION.
- NEW WOOD IS BASED ON ALLOWABLE UNIT STRESSES OF SPF 2.
- ALL JOISTS AND RAFTERS SHALL BE SUPPORTED BY DIRECT END BEARING ON WALLS, BEAMS, OR JOIST HANGERS.
- ALL WOOD PERMANENTLY EXPOSED TO THE WEATHER, IN CONTACT WITH EXTERIOR CONCRETE, OR IN CONTACT WITH THE GROUND SHALL HAVE A PRESERVATIVE TREATMENT EQUAL TO 0.4 P.C.F. RETENTION OF PRESSURE INJECTED PRESERVATIVE.
- NO WOOD MEMBER SHALL BE CUT, NOTCHED, OR DRILLED WITHOUT THE SPECIFIC WRITTEN APPROVAL OF THE ENGINEER.
- DO NOT EMBED WOOD MEMBERS IN CONCRETE.
- PLYWOOD (OSB) SHALL BE LAID WITH FACE GRAIN PERPENDICULAR TO SUPPORTS, STAGGER ALL JOINTS.
- PLYWOOD (OSB) SHALL BE CAPABLE OF SUPPORTING DESIGN LOADS AT REQUIRED SUPPORT SPACING AND BEAR APPROPRIATE GRADING STAMP FROM AMERICAN PLYWOOD ASSOCIATION.
- USE COMMON WIRE NAILS UNLESS SPECIFICALLY NOTED OTHERWISE.
- ALL BOLTS AND LAG SCREWS SHALL CONFORM TO ASTM A307. USE STEEL WASHER BETWEEN HEAD OF BOLT OR LAG SCREW AND WOOD. USE STEEL WASHER BETWEEN NUT AND WOOD.
- ALL FASTENERS USED FOR PRESERVATIVE TREATED WOOD SHALL BE GALVANIZED OR STAINLESS STEEL. STAINLESS STEEL IS PREFERRED.
- JOIST HANGER FASTENERS MUST BE AS SUPPLIED AND/OR REQUIRED BY THE JOIST HANGER MANUFACTURER.
- (OSB) WEB, WOOD COMPOSITE JOISTS SHALL CONFORM TO TRUS JOIST CORPORATION TJI JOIST SPECIFICATIONS, OR EQUAL.
- LAMINATED VENEER LUMBER (LVL) BEAMS SHALL CONFORM TO TRUS JOIST CORPORATION MICROLAM 1.9E LVL SPECIFICATIONS, OR EQUAL.

GENERAL

- ALL MATERIALS, WORKMANSHIP AND DETAILS SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF THE "WISCONSIN UNIFORM DWELLING CODE".
- THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND STRUCTURAL DRAWINGS. CHASES, OPENINGS, INSERTS, SLEEVES OR OTHER ITEMS MAY NOT BE SHOWN ON THE STRUCTURAL DRAWINGS. IT IS THE CONTRACTORS RESPONSIBILITY TO COORDINATE AND INSTALL THESE ITEMS.
- CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, ELEVATIONS, AND PROJECT WORKPOINTS. REPORT ANY DISCREPANCIES TO THE ARCHITECT OR ENGINEER.
- TYPICAL DETAILS NOT SPECIFICALLY LOCATED ON THE DRAWINGS SHALL BE APPLICABLE TO ALL PARTS OF THE CONTRACT DRAWINGS UNLESS SPECIFICALLY NOTED OTHERWISE.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SAFETY ON THE CONSTRUCTION SITE.
- PROVIDE DESIGN CALCULATIONS STAMPED BY A PROFESSIONAL STRUCTURAL ENGINEER LICENSED IN WISCONSIN. WHERE TRUSS CALCULATIONS ARE BASED ON STANDARD CATALOG OR TABLED MEMBERS, SUBMIT COPY OF THE CATALOG OR TABLE ACCOMPANIED BY WRITTEN CERTIFICATION OF A REGISTERED ENGINEER'S REVIEW. STATE DESIGN ASSUMPTIONS IN SUBMITTAL. SUBMITTAL AT THE SAME TIME AS SHOP DRAWINGS. SUBMIT MINIMUM OF 2 COPIES TO ARCHITECT.

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**MARATHON CO. GROUP HOME
CHADWICK ADDITION
STRUCTURAL PLANS**

DRAWN BY: M. HAMLIN
CHK'D BY: RLS
DATE: 3/6/2020
SCALE:
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S100
9 OF 18

SUMP PUMP SPECIFICATIONS

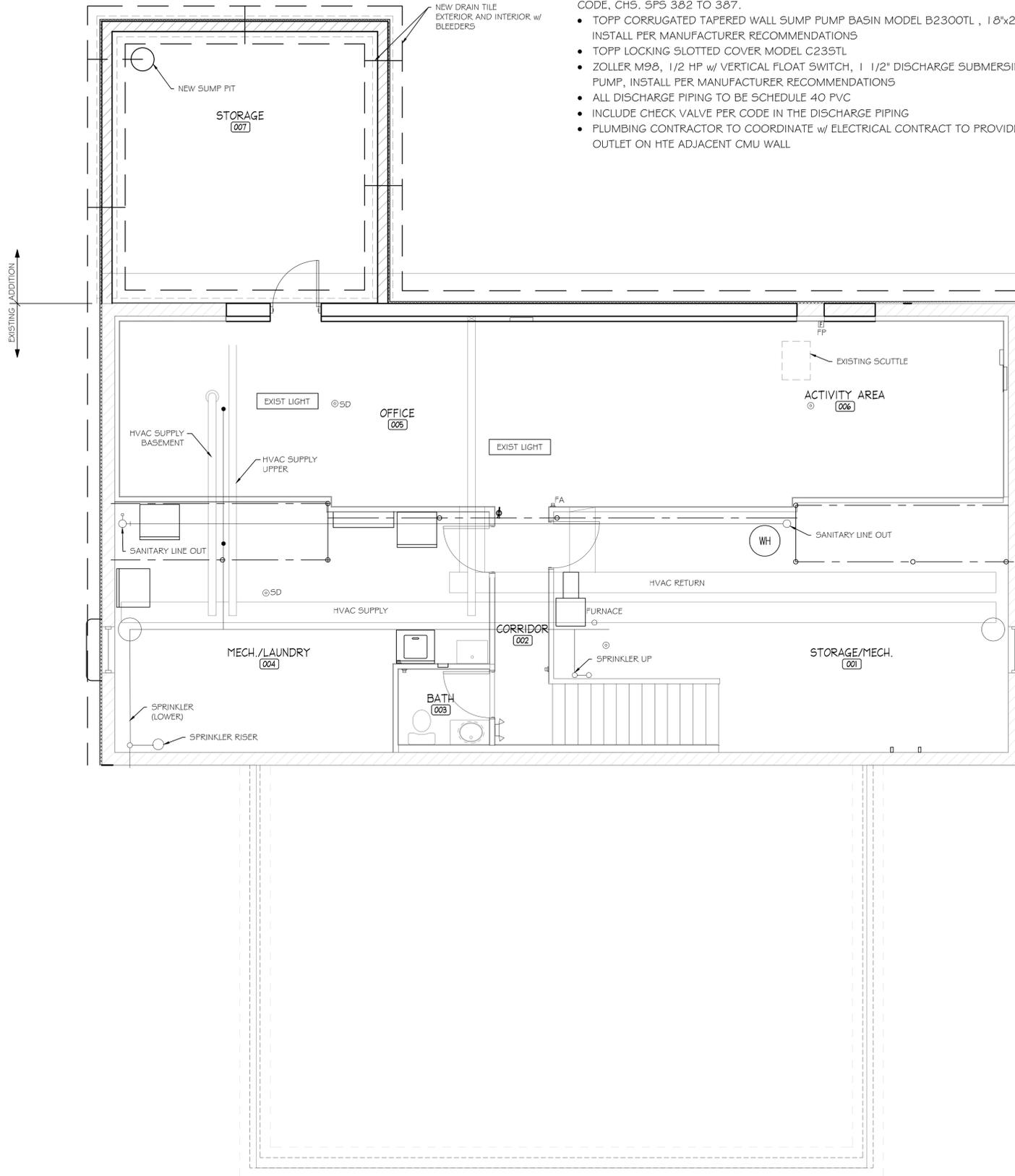
PLUMBING CONTRACTOR TO INSTALL COMPLETE SUMP PUMP, BASIN, PIPING AND VENTING PER THE REQUIREMENTS OF THE WISCONSIN ADMINISTRATIVE PLUMBING CODE, CHS. SPS 382 TO 387.

- TOPP CORRUGATED TAPERED WALL SUMP PUMP BASIN MODEL B2300TL , 18"x24" INSTALL PER MANUFACTURER RECOMMENDATIONS
- TOPP LOCKING SLOTTED COVER MODEL C235TL
- ZOLLER M98, 1/2 HP w/ VERTICAL FLOAT SWITCH, 1 1/2" DISCHARGE SUBMERSIBLE PUMP, INSTALL PER MANUFACTURER RECOMMENDATIONS
- ALL DISCHARGE PIPING TO BE SCHEDULE 40 PVC
- INCLUDE CHECK VALVE PER CODE IN THE DISCHARGE PIPING
- PLUMBING CONTRACTOR TO COORDINATE w/ ELECTRICAL CONTRACT TO PROVIDE GFI OUTLET ON HTE ADJACENT CMU WALL

HVAC SPECIFICATIONS

HVAC CONTRACTOR TO INSTALL COMPLETE HEATING AND COOLING SYSTEM EXTENSION TO THE NEW ADDITION PER WITH THE REQUIREMENTS OF THE WISCONSIN ADMINISTRATIVE MECHANICAL CODE, CHS. SPS 323

1. HVAC CONTRACTOR SHALL VISIT JOB SITE PRIOR TO BIDDING TO FAMILIARIZE THEM SELVES WITH ALL EXISTING CONDITIONS AND TAKE NOTE OF SAME WHEN PREPARING BID.
2. HVAC CONTRACTOR SHALL VERIFY EXISTING FURNACE AND A/C SYSTEM SIZING TO ACCOMMODATE NEW ADDITION.
3. HVAC CONTRACTOR SHALL PROVIDE MANUAL BALANCING DAMPERS AT NEW SUPPLY AND RETURN DUCT TAKE OFFS EQUAL TO GREENHECK M8DR50. HVAC CONTRACTOR SHALL BALANCE AIR FLOW TO NEW SUPPLY DIFFUSER IN BASEMENT STORAGE TO 90 CFM. AND BALANCE AIRFLOW TO NEW FIRST FLOOR BEDROOM ADDITION TO A TOTAL OF 176 CFM TO ROOM , 88 CFM TO EACH BASEBOARD DIFFUSER. HVAC CONTRACTOR SHALL RE-BALANCE HVAC SYSTEM AND PROVIDE OWNER WITH BALANCE REPORT AT COMPLETION OF PROJECT.
4. HVAC CONTRACTOR SHALL PROVIDE AND INSTALL (1) NEW 8" 26 GA. GALV. PIPE FROM EXISTING SUPPLY DUCT MAIN LOCATED IN BASEMENT TO NEW FIRST FLOOR BEDROOM ADDITION. PROVIDE (2) NEW 6" 26 GA. GALV. SUPPLY DUCTS FROM 8" WITH BALANCING DAMPERS TO NEW (2)H#C 406W 18" BASEBOARD DIFFUSERS. (1) LOCATED ON SOUTH WALL AND (1) LOCATED ON WEST WALL.
5. HVAC CONTRACTOR SHALL PROVIDE AND INSTALL (1) NEW 8" 26 GA. GALV. RETURN AIR DUCT FORM EXISTING RETURN AIR DUCT MAIN IN BASEMENT TO NEW FIRST FLOOR BEDROOM ADDITION, PROVIDE (1) NEW H#C 657W 14x8 RETURN AIR GRILLE LOCATE ON NORTH CLOSET WALL.
6. HVAC CONTRACTOR SHALL PROVIDE AND INSTALL (1) NEW 6" 26 GA. GALV. SUPPLY DUCT FROM EXSITING SUPPLY DUCT MAIN LOCATED IN BASEMENT TO NEW BASEMENT STORAGE ROOM ADDITION AND PROVIDE (1) NEW H#C 661W 10x6 CEILING REGISTER.
7. HVAC CONTRACTOR SHALL PROVIDE ALL LOCAL PERMITS.
8. ALL WORK SHALL CONFORM TO STATE AND LOCAL CODES. (CODE CHS SPS323.)
9. ALL NEW DUCT WORK SHALL BE GALV. CONSTRUCTION PER SMACNA STANDARDS.
10. EXISTING FURNACE IS A RHEEM MODEL RGRA09EZAJS 90 PLUS EFFICIENT SEALED COMBUSTION FURNACE WITH DX COIL. 90,000 BTU INPUT-82,800 BTU OUTPUT. 1136 CFM TO 1885 CFM RANGE @ .50" S.P. EXSITING CONDENSING UNIT IS A RHEEM MODEL RAKE042JAZ CONDENSING UNIT RATED @ 42,000 BTU COOLING CAPACITY.



1 BASEMENT PLAN
SCALE: 1/4" = 1'-0"
PLAN NORTH

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**MARATHON CO. GROUP HOME
CHADWICK ADDITION
BASEMENT MECHANICAL PLAN**

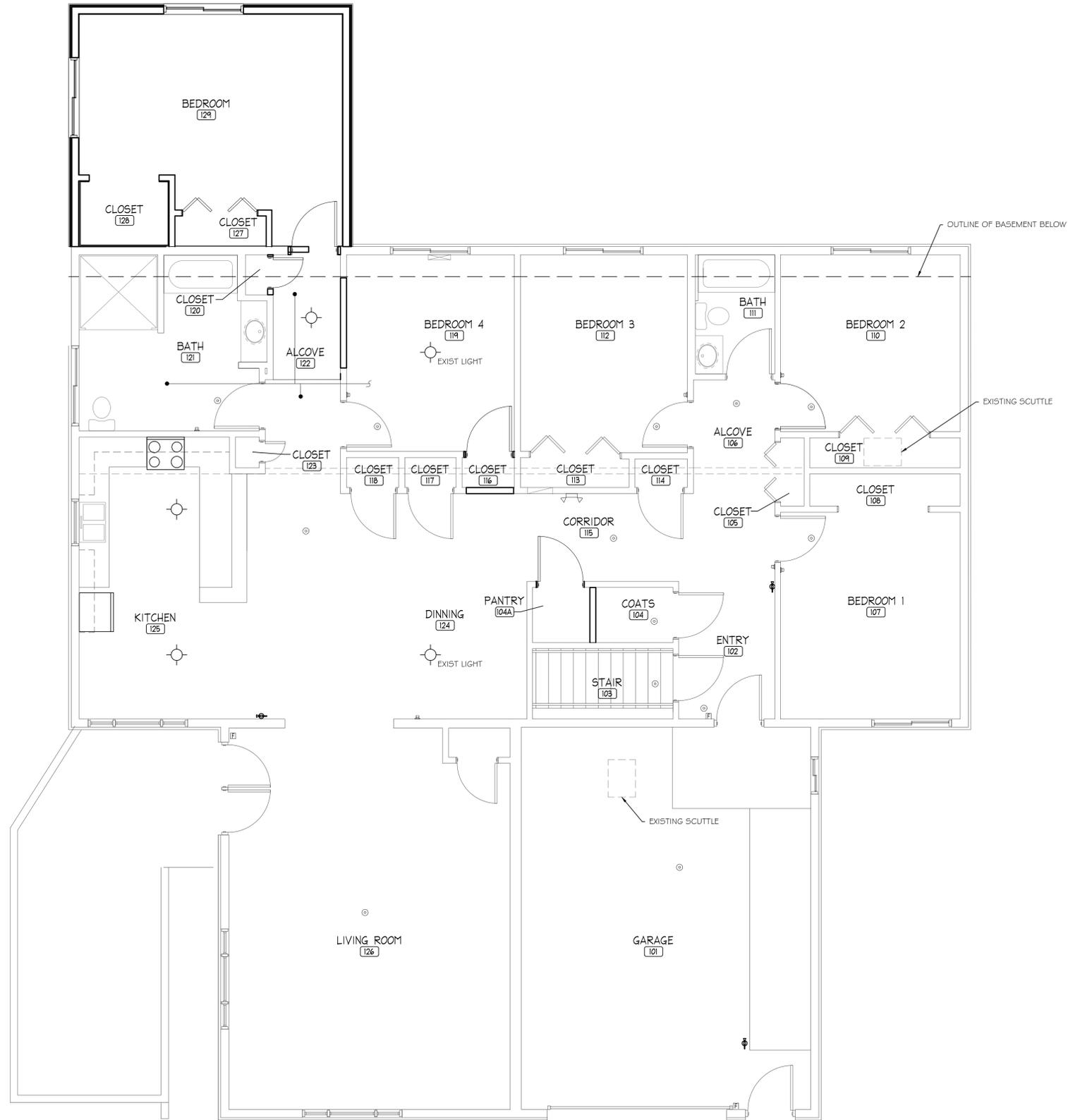
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1 MAIN LEVEL PLAN
 SCALE: 1/4" = 1'-0"
 PLAN NORTH

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**MARATHON CO. GROUP HOME
 CHADWICK ADDITION
 FIRST FLOOR MECHANICAL PLAN**

DRAWN BY: M. HAMLIN

CHK'D BY: RLS

DATE: 3/9/20

SCALE:

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PROJECT NUMBER:

19_026

SHEET NUMBER

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ABBREVIATIONS:

A	AMPS (AMPERES)	F	FAHRENHEIT, FIXTURE	P	POLE, PUMP, PILOT LIGHT
AC	ALTERNATING CURRENT, AIR CONDITIONING UNIT, AIR COMPRESSOR	FACP	FIRE ALARM CONTROL PANEL	PC	PHOTOCELL
ACC	AIR COOLED CONDENSER	FBO	FURNISHED BY OTHERS	POU	POWER DISTRIBUTION UNIT
ACCU	AIR COOLED CONDENSING UNIT	FC	FOOTCANDLES	PE	PHOTOEYE
ACU	AIR CONDITIONING UNIT	FCA	FAULT CURRENT AMPS	PH	PHASE
ADJ	ADJUSTABLE	FD	FIRE DAMPER	PNL	PANEL
AF	AMP FRAME	FF	FINISHED FLOOR	PNLBD	PANELBOARD
AFC	ABOVE FINISHED CEILING	FFA	FROM FLOOR ABOVE	POE	POWER OVER ETHERNET
AFCI	ARC FAULT CIRCUIT INTERRUPTER	FFB	FROM FLOOR BELOW	PSI	POUNDS PER SQUARE INCH
AFF	ABOVE FINISHED FLOOR	FLA	FULL LOAD AMPS	PVC	POLYVINYL CHLORIDE
AFG	ABOVE FINISHED GRADE	FMC	FLEXIBLE METAL CONDUIT	QTY	QUANTITY
AHJ	AUTHORITY HAVING JURISDICTION	FSD	FIRE/SMOKE DAMPER		
AHU	AIR HANDLING UNIT	FT	FEE	RCP	REFLECTED CEILING PLAN
AIC	AMPS INTERRUPTING CURRENT	FU	FURNACE	RCPT	RECEPTACLE
AL	ALUMINUM	FVNR	FULL-VOLTAGE NON-REVERSING	RE	REFERENCE
ALCR	AUTOMATIC LOAD CONTROL RELAY	G	GROUND	REF	ROOF EXHAUST FAN
ALT	ALTERNATIVE	GC	GALVANIZED	REQ	REQUIREMENT
APPROX	APPROXIMATELY	GC	GENERAL CONTRACTOR	REV	REVISION
ARC	ALUMINUM RIGID CONDUIT	GF/GFCI	GROUND FAULT CIRCUIT INTERRUPTER	RLA	RUNNING LOAD AMPS
ARCH	ARCHITECTURAL	GFR	GROUND FAULT RELAY	RMC	RIGID METAL CONDUIT
AS	AMP SWITCH	GND	GROUND	RNC	RIGID NON-METALLIC CONDUIT
AT	AMP TRIP	GRG	GALVANIZED RIGID CONDUIT (STEEL)	RTU	ROOFTOP UNIT
ATS	AUTOMATIC TRANSFER SWITCH	H	HUMIDIFIER	S	SOUTH
AUX	AUXILIARY	HID	HIGH INTENSITY DISCHARGE	S/S	STAINLESS STEEL
AV	AUDIO VISUAL	FDA	HAND-OFF-AUTOMATIC	SD	SMOKE DAMPER, SMOKE DETECTOR
AWG	AMERICAN WIRE GAUGE	HP	HORSE POWER, HEAT PUMP	SF	SUPPLY FAN
		HT	HEAT TRACE	SIM	SIMILAR
B/	BOTTOM OF	HVAC	HEATING VENTILATION AND AIR CONDITIONING	SPD	SURGE PROTECTION DEVICE
BAS	BUILDING AUTOMATION SYSTEM	HZ	HERTZ	SPDT	SINGLE-POLE DOUBLE-THROW
BDF	BUILDING DISTRIBUTION FRAME	ID	INSIDE DIAMETER	SPEC	SPECIFICATION
BFF	BELOW FINISHED FLOOR	IF	INFRA RED HEATER	SPST	SINGLE-POLE SINGLE-THROW
BFG	BELOW FINISHED GRADE	IFH	INFRARED HEATER	SQ	SQUARE
BKR	BREAKER	IG	ISOLATED GROUND	SQFT	SQUARE FEET
BLDG	BUILDING	IMC	INTERMEDIATE METAL CONDUIT	ST	SHUNT TRIP
BOD	BOTTOM OF DUCT	JB	JUNCTION BOX	STD	STANDARD
BOF	BOTTOM OF PIPE			SWBD	SWITCHBOARD
BOS	BOTTOM OF STRUCTURE				
				T/	TOP OF
C	CELSIUS, CONDUIT, CONTACTOR, COIL	TBD	TO BE DETERMINED	TBD	TO BE DETERMINED
CAT	CATEGORY	TFA	TO FLOOR ABOVE	TFA	TO FLOOR ABOVE
CATV	CABLE TELEVISION	TFB	TO FLOOR BELOW	TFB	TO FLOOR BELOW
CCTV	CLOSED CIRCUIT TELEVISION	TGB	TELECOMMUNICATIONS GROUND BAR/BUS	TGB	TELECOMMUNICATIONS GROUND BAR/BUS
CD	CANDELA	TMGB	TELECOM MAIN GROUND BAR/BUS	TMGB	TELECOM MAIN GROUND BAR/BUS
CKT	CIRCUIT	TOP	TOP OF PIPE	TOP	TOP OF PIPE
CLG	CEILING	TOS	TOP OF SLAB	TOS	TOP OF SLAB
COL	COLUMN	TR	TAMPER-RESISTANT	TR	TAMPER-RESISTANT
CP	CONDENSATE PUMP	TV	TELEVISION	TV	TELEVISION
CT	CURRENT TRANSFORMER	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
CTR	CENTER	TYP	TYPICAL	TYP	TYPICAL
CU	CONDENSING UNIT, COPPER	U/F	UNDERFLOOR	U/F	UNDERFLOOR
CUH	CABINET UNIT HEATER	U/G	UNDERGROUND	U/G	UNDERGROUND
CVD	CUMULATIVE VOLTAGE DROP	UH	UNIT HEATER	UH	UNIT HEATER
		UL	UNDERWRITERS LABORATORIES	UL	UNDERWRITERS LABORATORIES
D	DIMMER	UNO	UNLESS NOTED OTHERWISE	UNO	UNLESS NOTED OTHERWISE
DCS	DISTRIBUTED CONTROL SYSTEM	UPS	UNINTERRUPTIBLE POWER SUPPLY	UPS	UNINTERRUPTIBLE POWER SUPPLY
DDC	DIRECT DIGITAL CONTROL	V	VOLTS, VACANCY	V	VOLTS, VACANCY
DEG	DEGREES	VA	VOLT-AMPERES	VA	VOLT-AMPERES
DEMO	DEMOLISH	VAC	VOLTS ALTERNATING CURRENT	VAC	VOLTS ALTERNATING CURRENT
DIA	DIAMETER	VAV	VARIABLE AIR VOLUME	VAV	VARIABLE AIR VOLUME
DIM	DIMENSION	VD	VOLTAGE DROP	VD	VOLTAGE DROP
DIV	DIVISION	VDC	VOLTS DIRECT CURRENT	VDC	VOLTS DIRECT CURRENT
DPDT	DOUBLE-POLE DOUBLE-THROW	VFD	VARIABLE FREQUENCY DRIVE	VFD	VARIABLE FREQUENCY DRIVE
DPST	DOUBLE-POLE SINGLE-THROW	W	WIRE, WATT, WEST	W	WIRE, WATT, WEST
DS	DAYLIGHT SENSOR	WAP	WIRELESS ACCESS POINT	WAP	WIRELESS ACCESS POINT
DWG	DRAWING	WH	WATER HEATER	WH	WATER HEATER
		WP	WEATHERPROOF	WP	WEATHERPROOF
E	EAST	WR	WEATHER-RESISTANT	WR	WEATHER-RESISTANT
EC	ELECTRICAL CONTRACTOR	XFMR	TRANSFORMER	XFMR	TRANSFORMER
EF	EXHAUST FAN	XP	EXPLOSION PROOF	XP	EXPLOSION PROOF
EFF	EFFICIENCY				
EH	EXHAUST HOOD				
ELEC	ELECTRICAL				
ELV	ELECTRONIC LOW VOLTAGE				
EM	EMERGENCY				
EMI	ELECTROMAGNETIC INTERFERENCE				
EMS	ENERGY MANAGEMENT SYSTEM				
EMT	ELECTRICAL METALLIC TUBING				
EOP	EQUIPMENT				
EUH	ELECTRIC UNIT HEATER				
EW	ELECTRIC WATER COOLER				
EX	EXAMPLE				
EXT	EXTERIOR				

GENERAL ELECTRICAL NOTES:

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE FEDERAL/STATE/LOCAL CODES, INTERNATIONAL BUILDING CODE, NFPA CODES, NEC AND THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
- ELECTRICAL DRAWINGS ARE DIAGRAMMATIC ONLY. FURNISH AND INSTALL ALL REQUIRED JUNCTION BOXES, PULL BOXES, SURFACE/RECESSED DEVICE BOXES, FITTINGS, CONDUIT BODIES, SUPPORTS, ACCESS DOORS, HARDWARE, ACCESSORIES, ECT. REQUIRED FOR A COMPLETE AND WORKING ELECTRICAL SYSTEM, WHETHER OR NOT SUCH EQUIPMENT IS INDICATED ON DRAWINGS.
- CONTRACTOR SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH THE PLANS, SPECIFICATIONS AND FIELD CONDITIONS. FIELD VERIFY ALL IMPORTANT DIMENSIONS.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ALL OTHER CONTRACTORS AND ALL OTHER TRADES BEFORE INSTALLATION OF HIS WORK IN CHASES, CEILING SPACES AND OTHER AREAS WHERE CONFLICT MAY OCCUR.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL CONTRACT DOCUMENTS, SHOP DRAWINGS AND EQUIPMENT DRAWINGS. THE ELECTRICAL CONTRACTOR SHALL OBTAIN A COPY OF ALL CONTRACT DOCUMENTS, INCLUDING ALL DRAWINGS AND SPECIFICATIONS.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR CEILING TYPES AND EXACT LOCATION OF ALL CEILING MOUNTED DEVICES. VERIFY CEILING TYPES WITH ARCHITECT PRIOR TO ORDERING LIGHT FIXTURES TO ENSURE COMPATIBLE FIXTURE TRIMS AND MOUNTING HARDWARE. ANY DEVICES SHOWN SHALL BE INSTALLED IN THE CENTER OF CEILING TILE, AS REQUIRED.
- ALL CIRCUITS SHALL INCLUDE A GREEN GROUND CONDUCTOR SIZED IN ACCORDANCE WITH NEC SECTION 250 OR LARGER IF NOTED.
- UNLESS OTHERWISE SHOWN, ALL WIRE SHALL BE THHN COPPER, MINIMUM SIZE #12 AWG FOR POWER AND LIGHTING.
- ALL ELECTRICAL EQUIPMENT SHALL BE LISTED AND LABELED. ALL EQUIPMENT SHALL BE NEW.
- ALL PANELBOARDS SHALL HAVE A GROUND BUS.
- COMPLETE TYPED PANEL DIRECTORIES SHALL BE PROVIDED BY THE CONTRACTOR UPON COMPLETION OF WORK.
- EXACT LOCATION OF ALL EQUIPMENT AND ACCESSORIES SHALL BE VERIFIED IN THE FIELD AND COORDINATED WITH OTHER TRADES, ADJUST LOCATIONS TO SUIT FIELD CONDITIONS. COMPLY WITH CLEARANCES AS REQUIRED BY NEC, THE MANUFACTURER, AND APPLICABLE CODES.
- ALL ELECTRICAL DEVICES, EQUIPMENT, BOXES, RACEWAY, ETC. SHALL BE RIGIDLY ATTACHED TO THE STRUCTURE OR FRAMING. CONTRACTOR SHALL PROVIDE ALL MISC. STEEL AND MOUNTING HARDWARE AS REQUIRED FOR A PROPER AND SECURE INSTALLATION.
- COLOR CODING OF POWER CONDUCTORS FOR PHASE IDENTIFICATION SHALL BE AS FOLLOWS, USING TAPE OR INSULATION COLOR.

<u>480V AND ABOVE</u>	<u>208/120V</u>	<u>ALL DC WIRING</u>
PHASE A - BROWN	PHASE A - BLACK	POSITIVE - RED
PHASE B - ORANGE	PHASE B - RED	NEGATIVE - BLACK
PHASE C - YELLOW	PHASE C - BLUE	
GROUND - GREEN	NEUTRAL - WHITE	
	GROUND - GREEN	
- COMPLY WITH ALL SAFETY REGULATIONS INCLUDING BUT NOT LIMITED TO OSHA AND ALL ELECTRICAL SAFETY REGULATIONS. (LOCKOUT/TAGOUT)
- ELECTRICAL CONTRACTOR SHALL SECURE ALL PERMITS, LICENSES AND INSPECTIONS REQUIRED FOR HIS WORK, AND SHALL PAY ALL FEES IN CONNECTION WITH SUCH PERMITS, LICENSES AND INSPECTIONS.
- CONTRACTOR SHALL FIELD VERIFY THE SWITCH AND/OR CIRCUIT BREAKER SOURCE OF EACH BRANCH OR FEEDER CIRCUIT BEFORE PERFORMING ANY WORK.
- BRANCH CIRCUITING IS A DIAGRAMMATIC REPRESENTATION OF CIRCUIT LOADING AND CONTROL ONLY. IT IS NOT A METHOD OF INSTALLATION. REFER TO SPECIFICATIONS FOR METHODS OF INSTALLATION AND MATERIALS.
- CONTRACTOR SHALL VERIFY ACTUAL NAMEPLATE LOADS OF EQUIPMENT AND SHALL NOTIFY THE ENGINEER IF CHANGES IN WIRING, SAFETY SWITCHES OR CIRCUIT BREAKERS ARE REQUIRED.
- SOME MECHANICAL EQUIPMENT (INCLUDING BUT NOT LIMITED TO VFD'S) ARE PROVIDED BY THE MECHANICAL CONTRACTOR BUT INSTALLED, WIRED, AND CONNECTED BY THE ELECTRICAL CONTRACTOR. COORDINATE WITH MECHANICAL CONTRACTOR.
- WHERE BRANCH CIRCUIT CONDUCTOR QUANTITY IS NOT CLEARLY SPECIFIED ON PLAN DRAWINGS, REFERENCE PANEL SCHEDULES AND ONE LINE DIAGRAMS FOR CLARITY.
- WHERE SCHEDULES STATE WIRE SIZE IN LIEU OF CONDUCTOR BREAKDOWN, EQUAL SIZE HOT, NEUTRAL, AND GROUNDING CONDUCTORS SHALL BE INSTALLED.
- PROVIDE DEDICATED RACEWAY FOR ALL EMERGENCY WIRING. DO NOT COMBINE WITH OTHER TYPES OF WIRING.
- PROVIDE AN UNSWITCHED "HOT" CONDUCTOR TO FEED EMERGENCY LIGHTING UNITS, EXIT SIGNS, NIGHT LIGHTING FIXTURES, INVERTERS, LIGHTING WITH BATTERY BACKUP. BREAKER ONLY USED FOR EMERGENCY LIGHTING SHALL BE PROVIDED WITH "LOCK-ON" TAB PER NEC 700.12(F) EX.1
- PROVIDE GROUNDING AND BONDING OF ALL METALLIC RACEWAYS, BOXES, TROUGH, WIREWAY, DEVICES AND EQUIPMENT IN ACCORDANCE WITH THE NEC.
- CONTRACTOR SHALL FIELD VERIFY FEEDERS AND BRANCH CIRCUITS THAT ARE BEING USED. CONTACT ENGINEER IMMEDIATELY IF THERE ARE ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS.
- INSTALL ALL DEVICES AND EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND LISTING REQUIREMENTS.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING HEIGHTS OF THE FOLLOWING ELECTRICAL DEVICES. IF NOT SHOWN ON ARCHITECTURAL DRAWINGS OR INSTRUCTED BY THE ARCHITECT, DEVICES SHALL HAVE THE FOLLOWING MOUNTING HEIGHTS TO CENTER OF BOX:

WALL SWITCHES/LIGHTING CONTROLS	48" AFF
WALL CONVENIENCE RECEPTACLES	18" AFF
WALL GFCI RECEPTACLES NEAR SINKS	48" AFF
WALL TELEPHONE/DATA OUTLETS	18" AFF
WALL RECEPTACLE EXTERIOR/UNFINISHED SPACE	36" AFF
WALL TELEVISION RECEPTACLE/DATA	96" AFF
- CONNECTORS AND TERMINATIONS FOR CONDUCTORS SHALL BE COMPATIBLE WITH THE CONDUCTOR SIZE AND MATERIAL, AND SHALL BE UL LISTED AND NEC COMPLIANT.
- PROVIDE OPERATOR AND MAINTENANCE MANUALS FOR ALL EQUIPMENT PROVIDED AND INSTALLED.
- EGRESS LIGHTING SHALL BE FED FROM THE LOCAL LIGHTING CIRCUIT FOR OPERATION UPON LOSS OF POWER, UNLESS A DEDICATED EMERGENCY POWER SOURCE IS USED. WALL AND CEILING MOUNTED EXIT SIGNS SHOWN ABOVE SINGLE AND DOUBLE DOORS SHALL BE CENTERED WITH DOOR(S).
- POWER ONE-LINE DIAGRAMS ARE USED TO ILLUSTRATE THE EQUIPMENT LOADS. ALL OTHER LOADS ARE INDICATED ON INDIVIDUAL PANEL SCHEDULES.
- FEEDER TAPS AND TRANSFORMER SECONDARY CONDUCTORS SHALL BE INSTALLED IN ACCORDANCE WITH NEC ARTICLE 240.21 AND ARTICLE 450.
- DETERMINE THE MOST EFFECTIVE ROUTING OF CIRCUITS FOR THE FIELD CONDITIONS PRESENT. CONTRACTOR SHALL FIELD ROUTE AND FIELD LOCATE THESE ITEMS.
- ALL ELECTRICAL EQUIPMENT WHICH MAY BE WORKED ON OR EXAMINED WHILE ENERGIZED REQUIREFIELD-MARKED ARC FLASH WARNING LABELS PER NEC ARTICLE 110.16 AND ARTICLE 110.24A.
- ALL DISCONNECTS, FEEDER PANELS, TRANSFORMERS, VFD'S MUST BE FIELD MARKED WITH AN ENGRAVED LAMINATED NAMEPLATE FOR IDENTIFICATION AND WHERE FED FROM.
- ALL OVERCURRENT DEVICES MUST HAVE AN INTERRUPTING RATING GREATER THAN THE AVAILABLEFAULT CURRENT. NEC 110.9
- ALL WIRING (INCLUDING PHONE, DATA, CTV) TO BE INSTALLED IN CONDUIT. NON COMPLIANT INSTALLATION OF RACEWAY AND CABLE WILL NOT BE ACCEPTED AND WILL BE REQUIRED TO BE BROUGHT TO COMPLIANCE AT NO ADDITIONAL COST PRIOR TO COMPLETION OF WORK.
- DRAWINGS AND SPECIFICATIONS GOVERN WHERE THEY EXCEED CODE REQUIREMENTS.
- REFER TO ARCHITECTURAL DRAWINGS FOR DESIGNATIONS AND LISTING OF FIRE RATED ASSEMBLIES. COORDINATE ALL INSTALLATION EFFORTS WITH FIRE RESISTANCE OF MATERIAL AND CONSTRUCTION. FINAL DETERMINATION OF FIRE STOPPING REQUIREMENTS SHALL BE BASED ON LOCAL BUILDING CODE REQUIREMENTS.
- DEVICE SHOWN BACK-TO-BACK SHALL BE OFFSET A MINIMUM OF TWELVE (12) INCHES TO REDUCE SOUND TRANSMISSION BETWEEN ROOMS.
- IN FINISHED SPACES, ALL CONDUIT AND BOXES SHALL BE CONCEALED, AND ALL WIRING DEVICES INSTALLED FLUSH WITH FINISHED SURFACES.
- DEVICES THAT OCCUR TOGETHER SHALL BE GANGED UNDER A COMMON WALL PLATE.
- ALL BATHROOM RECEPTACLES SHALL BE GROUND FAULT CIRCUIT PROTECTED/GFCI (TYP).
- ALL EXTERIOR EQUIPMENT AND DEVICES SHALL BE WATERPROOF AND RAIN-TIGHT.
- THE ELECTRICAL CONTRACTOR SHALL INSTALL AND WIRE EMERGENCY SYSTEMS PER N.E.C. ARTICLE 700.
- ALL RECEPTACLES AND SWITCHES SHALL BE FLUSH MOUNTED FOR ALL AREAS, UNLESS OTHERWISE NOTED OR DIRECTED BY THE ARCHITECT.
- REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS, ROOM AND AREA FINISHES, CEILING PLANS, DOOR SWINGS, FIRE-RATED PARTITIONS, CABINET AND CASE WORK AND BUILT-IN DETAILS.
- ELECTRICAL CONTRACTOR TO CONFIRM ALL DOOR SWINGS BEFORE INSTALLING LIGHT SWITCHES. ALL SWITCHES ARE TO BE INSTALLED ON THE STRIKE SIDE OF THE DOOR UNLESS SPECIFICALLY STATED OTHERWISE.

ELECTRICAL SHEET INDEX:	
E100	ELECTRICAL GENERAL NOTES AND ABBREVIATIONS
E200	ELECTRICAL POWER PLAN - MAIN LEVEL
E201	ELECTRICAL POWER PLAN - BASEMENT LEVEL

ABBREVIATIONS AND SYMBOLS LISTED ARE FOR REFERENCE ONLY AND MAY NOT APPLY TO CERTAIN DRAWINGS. DRAWINGS THAT LIST ABBREVIATIONS OR SYMBOLS DIFFERENTLY SHALL TAKE PRECEDENCE OVER THIS DRAWING.

NO.	DESCRIPTION FOR REVIEW	DATE
A		3/02/20



MARATHON COUNTY
5008 CHADWICK STREET
SCHOFIELD, WI

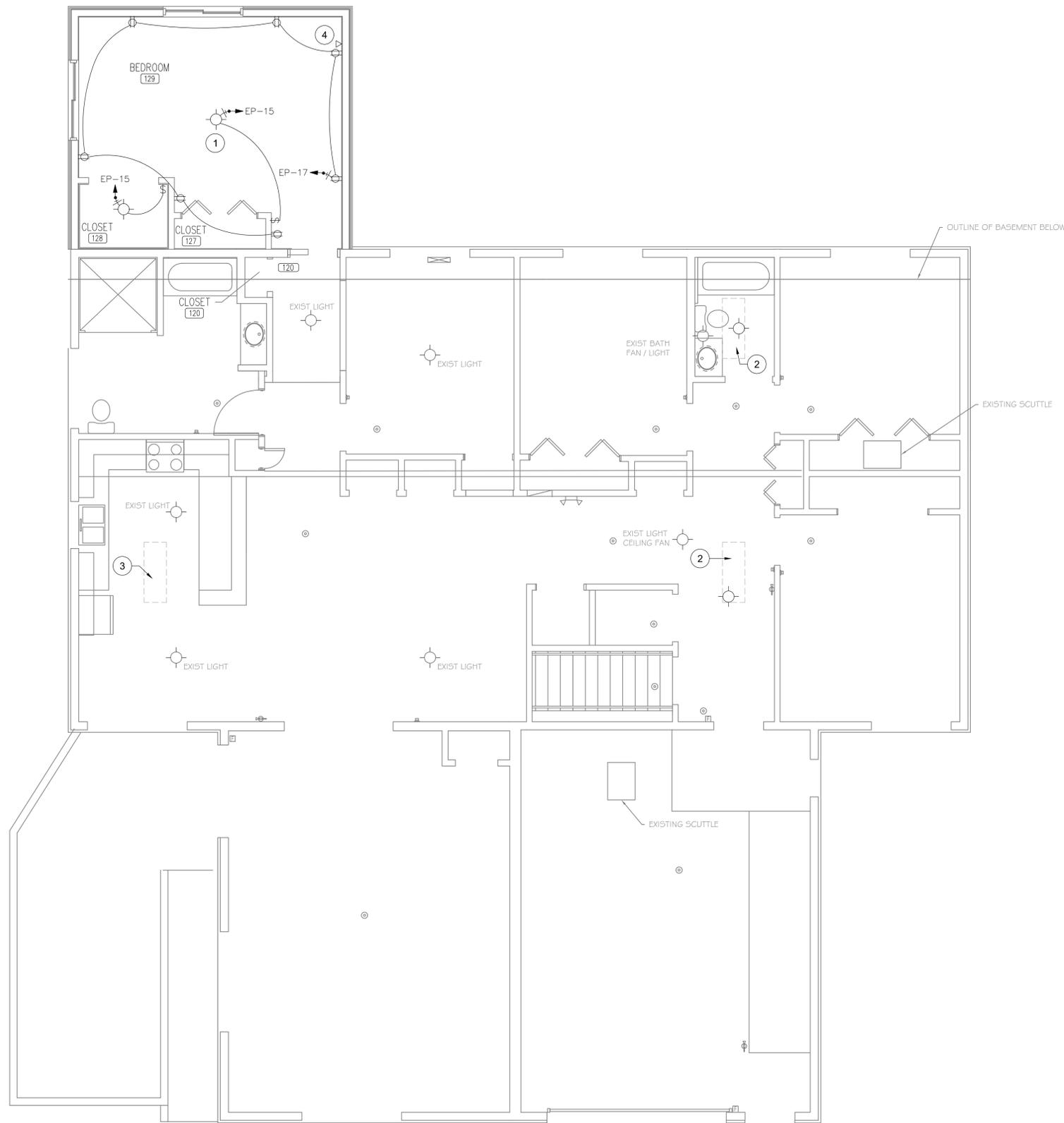
MARATHON CO. GROUP HOME
CHADWICK ADDITION
ELECTRICAL GENERAL NOTES
AND ABBREVIATIONS

DRAWN BY: JS
CHK'D BY: RJ
DATE: 3/02/20
SCALE: NA

DWG. FILE NAME:
PROJECT NUMBER: 19.026
SHEET NUMBER

E100
12 OF 18

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1 MAIN LEVEL PLAN
 E200 SCALE: 1/4" = 1'-0" PLAN NORTH

SHEET NOTES:

1. REFER TO SHEETS A SERIES FOR ARCHITECTURAL DRAWINGS, NOTES, DETAILS, SCHEDULES AND REQUIREMENTS.
2. REFER TO SHEETS E SERIES FOR ELECTRICAL DRAWINGS, NOTES, DETAILS, SCHEDULES AND REQUIREMENTS.
3. REFER TO SHEETS M SERIES FOR MECHANICAL DRAWINGS, NOTES, DETAILS, SCHEDULES AND REQUIREMENTS.
4. REFER TO SHEETS P SERIES FOR PLUMBING DRAWINGS, NOTES, DETAILS, SCHEDULES AND REQUIREMENTS.
5. REFER TO SHEETS S SERIES FOR STRUCTURAL DRAWINGS, NOTES, DETAILS, SCHEDULES AND REQUIREMENTS.

ELECTRICAL NOTES:

1. REFER TO DRAWING E000 FOR GENERAL NOTES.
2. FIELD VERIFY EXACT LOCATION, MOUNTING HEIGHT AND ELECTRICAL REQUIREMENTS OF ALL DEVICES AND LIGHT FIXTURES.
3. SEE DRAWING E201 FOR LOCATION OF THE EXISTING ELECTRICAL PANEL.

ELECTRICAL KEYNOTES:

1. PROVIDE CEILING FIXTURE BOX MOUNTED IN CENTER OF ROOM CONTROLLED VIA SWITCH LOCATED ON THE STRIKE SIDE OF DOOR.
2. EXISTING SKYLIGHT TO BE REMOVED. PROVIDE LIGHT FIXTURE ROUGH-IN AND CONNECTION TO LOCAL LIGHTING CIRCUIT FOR CONTROL. COORDINATE FIXTURE TYPE WITH OWNER/ARCHITECT.
3. EXISTING SKYLIGHT TO BE REMOVED. VERIFY IF ADDITIONAL LIGHTING IS REQUIRED BY OWNER/ARCHITECT.
4. PROVIDE TELEVISION ROUGH-IN. COORDINATE LOCATION WITH FURNITURE AND CABLE TYPE WITH SERVICE PROVIDER/ARCHITECT.

NO.	DESCRIPTION FOR REVIEW	DATE
A		3/02/2020

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 207 Windrose Drive
 Wausau, WI 54401
 www.funktiondesignstudio.com



MARATHON COUNTY
 5005 CHADWICK STREET
 SCHOFIELD, WI

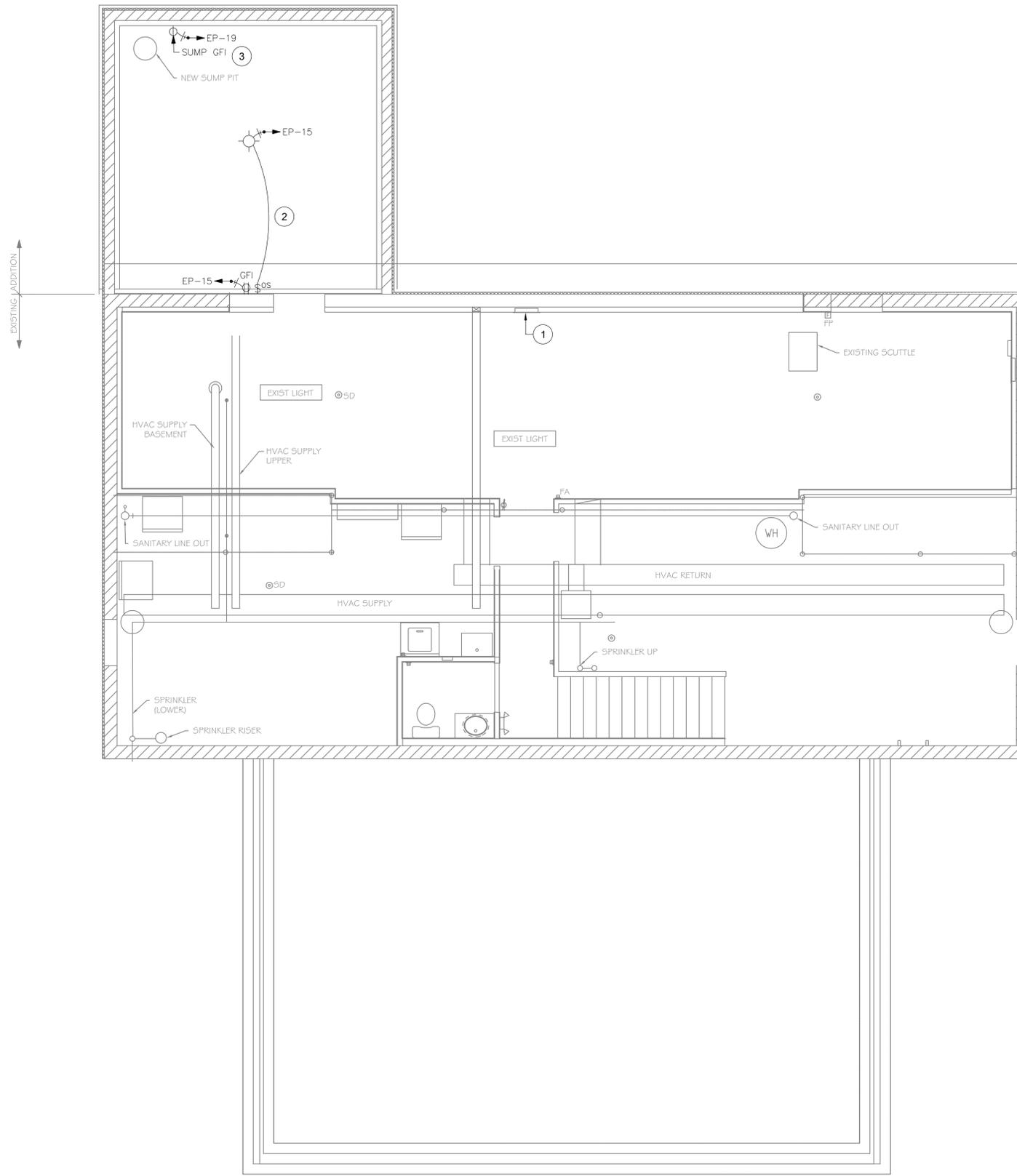
**MARATHON CO. GROUP HOME
 CHADWICK ADDITION
 ELECTRICAL POWER PLAN
 MAIN LEVEL**

DRAWN BY: JS
CHK'D BY: RJ
DATE: 3/02/20
SCALE: AS SHOWN
DWG. FILE NAME:

PROJECT NUMBER:
 19.026
SHEET NUMBER

E200
 13 OF 18

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1 BASEMENT LEVEL PLAN
 E201 SCALE: 1/4" = 1'-0" PLAN NORTH

SHEET NOTES:

1. REFER TO SHEETS A SERIES FOR ARCHITECTURAL DRAWINGS, NOTES, DETAILS, SCHEDULES AND REQUIREMENTS.
2. REFER TO SHEETS E SERIES FOR ELECTRICAL DRAWINGS, NOTES, DETAILS, SCHEDULES AND REQUIREMENTS.
3. REFER TO SHEETS M SERIES FOR MECHANICAL DRAWINGS, NOTES, DETAILS, SCHEDULES AND REQUIREMENTS.
4. REFER TO SHEETS P SERIES FOR PLUMBING DRAWINGS, NOTES, DETAILS, SCHEDULES AND REQUIREMENTS.
5. REFER TO SHEETS S SERIES FOR STRUCTURAL DRAWINGS, NOTES, DETAILS, SCHEDULES AND REQUIREMENTS.

ELECTRICAL NOTES:

1. REFER TO DRAWING E100 FOR GENERAL NOTES.
2. FIELD VERIFY EXACT LOCATION, MOUNTING HEIGHT AND ELECTRICAL REQUIREMENTS OF ALL DEVICES AND LIGHT FIXTURES.

ELECTRICAL KEYNOTES:

1. EXISTING 200A ELECTRICAL PANEL. ROUTE NEW CIRCUITS FROM THIS DISTRIBUTION PANEL FOR NEW BEDROOM 129 AND STORAGE 007.
2. PROVIDE CEILING FIXTURE BOX MOUNTED IN CENTER OF ROOM CONTROLLED VIA OCCUPANCY SWITCH LOCATED ON THE STRIKE SIDE OF DOOR.
3. PROVIDE SINGLE GFCI PROTECTED RECEPTACLE FOR SUMP PUMP. COORDINATE LOCATION AND VERIFY REQUIREMENTS WITH PROVIDER.

NO.	DESCRIPTION FOR REVIEW	DATE
A		3/02/2020

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 207 Windrose Drive
 Wausau, WI 54401
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MARATHON COUNTY
 5005 CHADWICK STREET
 SCHOFIELD, WI

**MARATHON CO. GROUP HOME
 CHADWICK ADDITION
 ELECTRICAL POWER PLAN
 BASEMENT LEVEL**

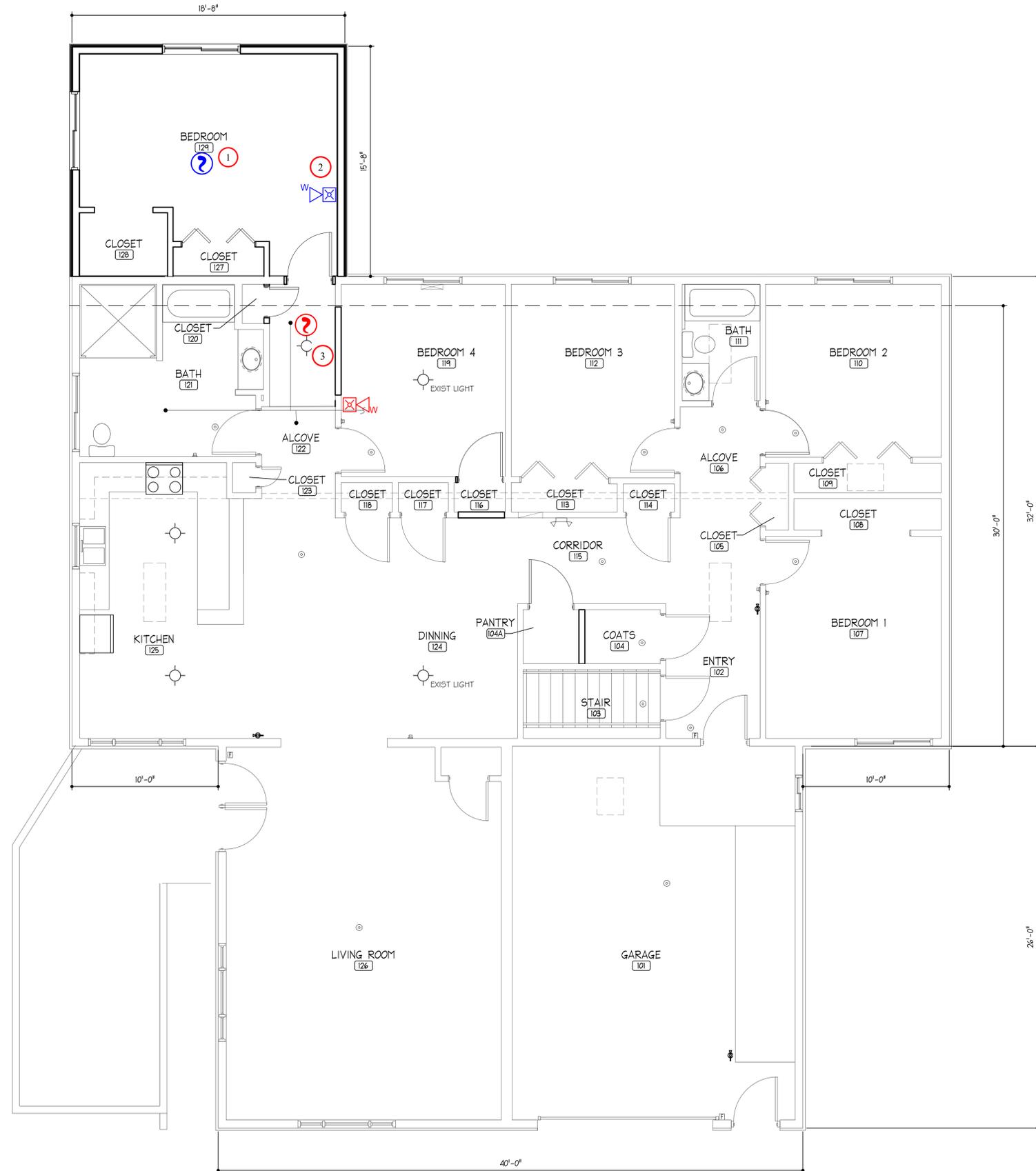
DRAWN BY: JS
CHK'D BY: RJ
DATE: 3/02/20
SCALE: AS SHOWN

DWG. FILE NAME:
PROJECT NUMBER: 19.026
SHEET NUMBER

E201

PLT DATE AND TIME: 2/16/2020 10:00 AM
 DRAWING NAME: FA102 - FIRE ALARM PLAN - CHADWICK ADDITION
 LAYOUT TAB: 102

98255



1 MAIN LEVEL PLAN
 FA102 SCALE: 1/4" = 1'-0"



- ? Existing Two Wire Smoke Detector
- ? New Two Wire Smoke Detector
- Ⓜ Existing Audible/Visual Device
- Ⓜ New Audible/Visual Device

Fire Alarm Plan Notes:

General

- Provide fire alarm submittals & drawings for approval prior to beginning any work.
- All fire alarm equipment shall be installed, programmed, and tested per national, state, and local codes.
- Provide a one year warranty on material and workmanship
- Provide final testing documentation to architect/engineer, owner, and authority having jurisdiction upon project completion. Fire alarm contractor shall coordinate testing time & date of system with architect/engineer, owner, and authority having jurisdiction so that they may attend.
- Fire alarm panel shall be free of troubles & alarms and fully operational at the end of each work day. During construction smoke detectors shall be covered when construction dust is present, and then uncovered at the end of each construction work day. Upon project completion all the smoke detectors in the home shall be cleaned and re-tested, any smoke detectors that fail or cause frequent false alarms shall be replaced at no charge to the owner.

- 1 Provide a new two-wire smoke detector that is compatible with the existing Firelite fire alarm panel. Extend the existing initiating device circuit from the nearest existing device to the new device.
- 2 Provide a new low frequency (520Hz) horn with a 177CD strobe that is compatible with the existing Firelite fire alarm panel. Extend the existing notification device circuit from the nearest existing device to the new device. It is the responsibility of the fire alarm contractor to verify that the existing circuit has sufficient additional spare capacity for the new device. If there is not sufficient spare capacity for the new device then the fire alarm contractor shall provide in the basement an additional NAC booster panel at now additional charge to power the device.
- 3 Remove the existing smoke detector and provide a new two-wire smoke detector that is compatible with the existing Firelite fire alarm panel.

MARATHON CO. COURTHOUSE
 500 FOREST STREET

MARATHON CO. GROUP HOME
 CHADWICK ADDITION
 FIRST FLOOR FIRE ALARM PLAN

DRAWN BY: M. HAMLIN

CHK'D BY: RLS

DATE: 1/30/20

SCALE:

DWG. FILE NAME:

PROJECT NUMBER:

19_026

SHEET NUMBER

FA102

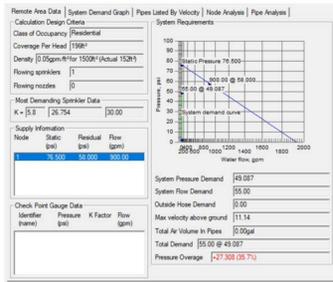
16 OF 18

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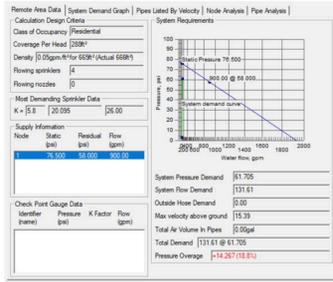
NO.	DESCRIPTION	DATE
1	APPENDUM 1	2/12/19
2	APPENDUM 2	2/15/19

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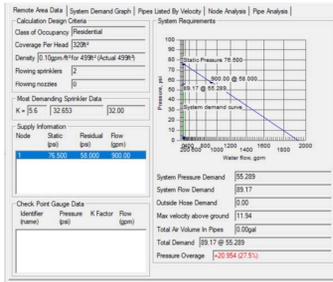
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 Wausau, WI 54401
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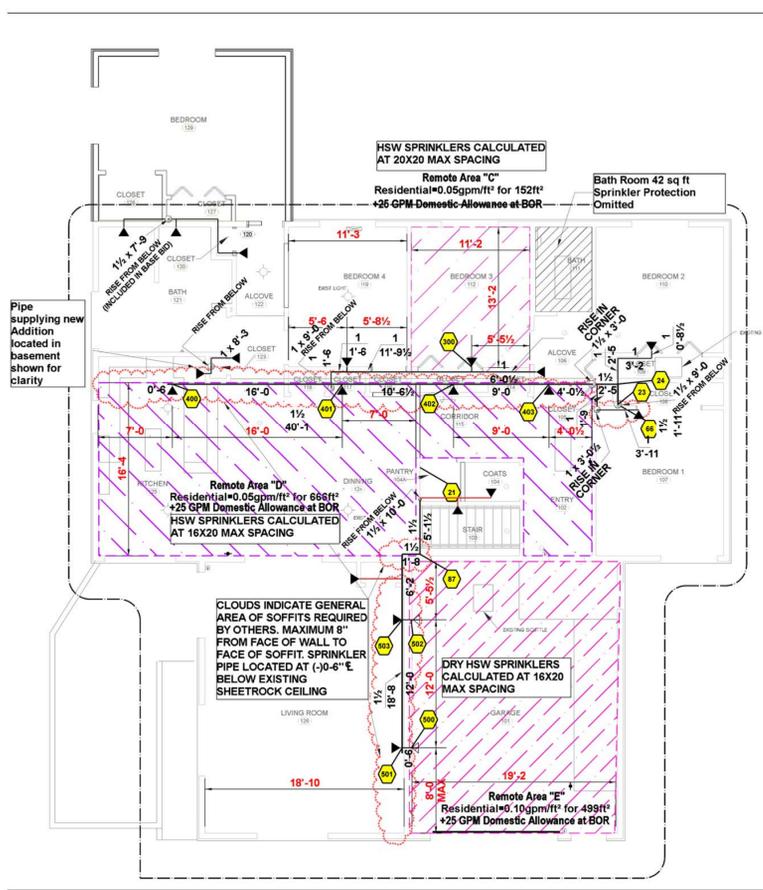
**HYDRAULIC INFORMATION
REMOTE AREA C**



**HYDRAULIC INFORMATION
REMOTE AREA D
NEW HYDRAULIC PLACARD
REQUIRED AT RISER**

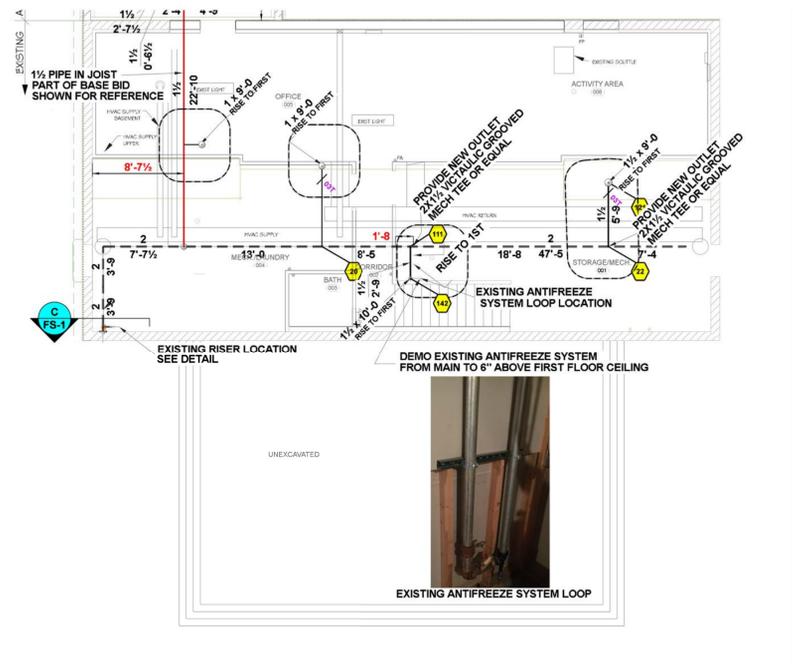


**HYDRAULIC INFORMATION
REMOTE AREA E**

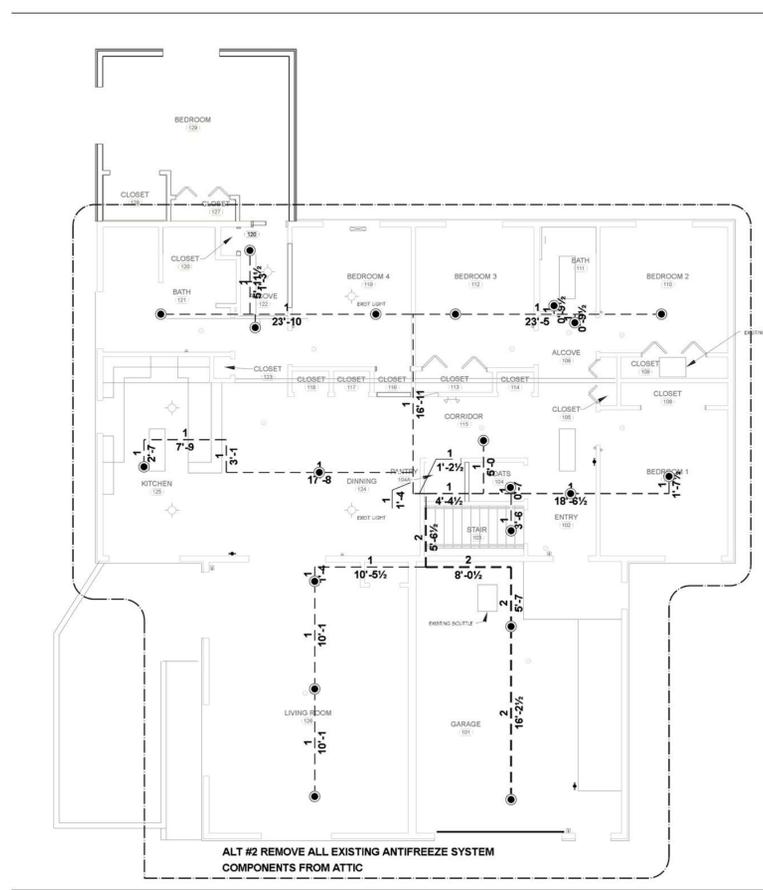


ALTERNATE #1 A.S. Plan - First Floor Retrofit
0-1/8" = 1 Foot

Alternate #1 Sprinkler Legend												
Symbol	Manufacturer	SIN	Model	Quantity	K-Factor	Type	Size	Response	Orifice	Finish	Temperature	Note
▶	Viking	VK188	OR EC Dry	2	5.6	Sidewall	1/2	Quick	6"	Brass	155°F	dry Retrofit
▶	Viking	VK460	Freedom	19	5.8	Sidewall	1/2	Quick	1/2"	Chrome	155°F	dry Retrofit
				Total = 21								



ALTERNATE #1 A.S. Plan - Basement
0-1/8" = 1 Foot



ALTERNATE #2 Anti Freeze System Demo Plan
0-1/8" = 1 Foot

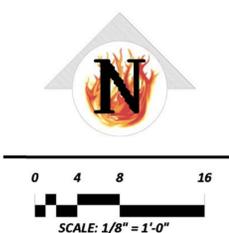
Alternate #2 Sprinkler Legend												
Symbol	Manufacturer	SIN	Model	Quantity	K-Factor	Type	Size	Response	Orifice	Finish	Temperature	Note
●	Generic			20	5.6	Pendent	1/2	Quick	1/2"	Chrome	155°F	EXISTING REMOVED
				Total = 20								

GENERAL NOTES:

- EXISTING PIPE ALLIED XL SHOWN DASHED
- WET SYSTEM PIPING BLACK STEEL PER NFPA 13 REQUIREMENTS WITH ROLL GROOVED OR THREADED ENDS U.N.O SEE NOTE 10
- ALL HANGER SPACING AND MATERIALS IS IN ACCORDANCE W/ N.F.P.A. CHAPTER 13.
- THE USE OF BUSHINGS IN FITTINGS IS PERMITTED ONLY WHEN FITTING SIZE REQUIRED IS NOT COMMERCIALY MANUFACTURED. WHEN NECESSARY USE ONE PIECE REDUCTION FACE BUSHINGS, MAXIMUM ONE BUSHING PER FITTING OUTLET.
- UPON COMPLETION OF INSTALLATION, CONTRACTOR SHALL PERFORM A HYDROSTATIC PRESSURE TEST AT SYSTEM STATIC P.S.I. FOR 24 HOURS. A PROPERLY COMPLETED TEST CERTIFICATE SHALL BE PROVIDED TO OWNER.
- SYSTEM COMPONENTS ARE U.L. LISTED.
- INSTALL UPRIGHT SPRINKLERS WITH FRAMES PARALLEL TO PIPING.
- ALL ELECTRICAL WIRING BY OTHERS U.N.O
- TAMPER AND FLOW SWITCHES TO BE MONITORED (BY OTHERS)
- HYDRAULIC CALCULATIONS RAN WITH SCH 40 PIPE LIGHT WALL PIPE CAN BE USED AT CONTRACTORS DISCRETION
- ALL THREADED PIPE REQUIRES CORROSION RESISTANCE RATING (CRR) OF 1.00 OR HIGHER
- INSTALL ALL SPRINKLERS IN ACCORDANCE WITH MANUFACTURES LISTING

FS SHEET INDEX

- FP101 Fire Suppression Base Bid
- FP102 Fire Suppression Alternates #1 and #2



REVISIONS:	
NO.	DATE

Funktion Design Studio
207 Windtree Drive
Wausau, WI 54401
www.funktiondesignstudio.com

APRY Fire Protection, LLC
200 North County Road, Suite 200
Wausau, WI 54401
WI SPRINKLER CONTRACTORS #44990

MARATHON COUNTY
5006 CHADWICK STREET
SCHOFIELD, WI

**MARATHON CO. GROUP HOME
CHADWICK ADDITION**
**Fire Suppression
Alternates #1 and #2**

DRAWN BY: JAW
CHK'D BY:
DATE: 3/05/2020
SCALE: 1/8" = 1'-0" UNO
DWG. FILE NAME:
PROJECT NUMBER: 19.026
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