

IOWA DEPARTMENT OF NATURAL RESOURCES

CONSTRUCTION DOCUMENTS
FOR
LAKE DARLING STATE PARK
DESIGN GUIDE CABINS
WASHINGTON COUNTY, IOWA
(REBID)

PROJECT # 15-06-92-04



PLANS PREPARED BY
LAND & WATERS BUREAU
CONSERVATION AND RECREATION DIVISION

	<p>I hereby certify that this architectural document was prepared by me or under my direct personal supervision and that I am a duly Registered Professional Architect under the laws of the State of Iowa.</p> <p>RYAN E. RICHEY DATE</p> <p>My license renewal date is June 30, 2015.</p> <p>Pages or sheets covered by this seal: A-001 - A-600</p>
	<p>I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly LICENSED Professional ENGINEER under the laws of the State of Iowa.</p> <p>BRETT JOHNSON DATE</p> <p>My license renewal date is DECEMBER 31, 2013.</p> <p>Pages or sheets covered by this seal: C1 - C7</p>
	<p>I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly LICENSED Professional ENGINEER under the laws of the State of Iowa.</p> <p>CHAD D. BASS DATE</p> <p>My license renewal date is DECEMBER 31, 2013.</p> <p>Pages or sheets covered by this seal: M0.0 - P3.0</p>
	<p>I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly LICENSED Professional ENGINEER under the laws of the State of Iowa.</p> <p>JAMES R. DEEDS IV DATE</p> <p>My license renewal date is DECEMBER 31, 2014.</p> <p>Pages or sheets covered by this seal: E0.0 - E2.0</p>

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IOWA DEPARTMENT OF
NATURAL RESOURCES

ENGINEERING SERVICES - WALLACE BUILDING
502 E. 9TH ST., DES MOINES, IA 50319-0034
P: 515.281.5918
F: 515.281.8685



DIRECTORY			
OWNER		DNR INSPECTOR	
COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES	COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES
ADDRESS	502 E. 9TH. ST.	ADDRESS	-
CITY,STATE,ZIP	DES MOINES, IA 50319	CITY,STATE,ZIP	DES MOINES, IA
CONTACT	N/A	CONTACT	HEATH DELZELL
TELEPHONE	515.281.5918	TELEPHONE	515.979.0104
FAX	-	FAX	-
EMAIL	N/A	EMAIL	HEATH.DELZELL@DNR.IOWA.GOV
ARCHITECT		ELECTRICAL ENGINEER	
COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES	COMPANY	KCL ENGINEERING
ADDRESS	502 E. 9TH. ST.	ADDRESS	218 1/2 5TH STREET
CITY,STATE,ZIP	DES MOINES, IA 50319	CITY,STATE,ZIP	WEST DES MOINES, IA 50265
CONTACT	RYAN RICHEY	CONTACT	JAMES DEEDS
TELEPHONE	515.979.0107	TELEPHONE	515-371-9970
FAX	-	FAX	-
EMAIL	RYAN.RICHEY@DNR.IOWA.GOV	EMAIL	JDEEDS@KCLENGINEERING.COM
CIVIL ENGINEER		MECHANICAL ENGINEER	
COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES	COMPANY	KCL ENGINEERING
ADDRESS	502 E. 9TH. ST.	ADDRESS	218 1/2 5TH STREET
CITY,STATE,ZIP	DES MOINES, IA 50319	CITY,STATE,ZIP	WEST DES MOINES, IA 50265
CONTACT	BRETT JOHNSON	CONTACT	CHAD BASS
TELEPHONE	-	TELEPHONE	515-205-1397
FAX	-	FAX	-
EMAIL	BRETT.JOHNSON@DNR.IOWA.GOV	EMAIL	CBASS@KCLENGINEERING.COM
COMPANY	-	COMPANY	-
ADDRESS	-	ADDRESS	-
CITY,STATE,ZIP	-	CITY,STATE,ZIP	-
CONTACT	-	CONTACT	-
TELEPHONE	-	TELEPHONE	-
FAX	-	FAX	-
EMAIL	-	EMAIL	-

PROJECT DATA
<p>OCCUPANT LOAD: PROPOSED AREA OF IMPROVEMENT GROUP R-1 : RESIDENTIAL RESIDENTIAL AREAS - 559 GROSS (I.B.C. TABLE 1004.1.1) 559 S.F. / 200 = 3 = 3 OCCUPANTS TOTAL OCCUPANT LOAD = 3 OCCUPANTS / CABIN</p>

BUILDING DATA
<p>MEANS OF EGRESS: MIN. REQ'D # OF EXITS = 2 EXITS PER LEVEL (IBC TABLE 1021.1) MAX TRAVEL DISTANCE = 200' (IBC 1016.1) DEAD-END CORRIDOR = 20' MAX. (IBC 1018.4) MIN. CORRIDOR WIDTH = 36" CLEAR MIN. CLEAR OPENINGS FOR EXIT DOORS = 32" (ACTUAL 34")</p> <p>FIRE EXTINGUISHERS: THE NUMBER AND LOCATIONS OF FIRE EXTINGUISHERS TO BE DETERMINED BY THE FIRE MARSHAL PRIOR TO CERTIFICATE OF OCCUPANCY.</p> <p>BUILDING: ADDRESS: 111 LAKE DARLING ROAD BRIGHTON, IOWA 52540 USE - RESIDENTIAL (R-1) BUILDING CONSTRUCTION - TYPE V-B W/O/T AUTOMATIC SPRINKLER SYSTEM NUMBER OF STORIES - 1 STORIES BUILDING HEIGHT - 18'-0" BUILDING AREA - 559 GSF BUILDING OCCUPANCY - GROUP R-1</p>

BUILDING CODES
<p>BUILDING CODE - 2009 INTERNATIONAL BUILDING CODE STRUCTURAL CODE - 2009 INTERNATIONAL BUILDING CODE PLUMBING CODE - 2012 INTERNATIONAL BUILDING CODE MECHANICAL CODE - 2012 INTERNATIONAL BUILDING CODE ELECTRICAL CODE - 2010 NATIONAL ELECTRICAL CODE FIRE PREVENTION CODE - 2009 INTERNATIONAL FIRE PREVENTION CODE ACCESSIBILITY CODE - 2009 INTERNATIONAL BUILDING CODE, CHAPTER 11 ENERGY CODE - 2012 INTERNATIONAL ENERGY EFFICIENCY CODE</p>

PROJECT DESCRIPTION

INSTALL SIX NEW DESIGN GUIDE CABINS AT THE LAKE DARLING STATE PARK. EXISTING INFRASTRUCTURE AND UTILITIES ARE ALREADY IN PLACE FROM PREVIOUS DEVELOPMENT. THESE CABINS WILL HAVE TWO BEDROOM, KITCHEN AND LIVING ROOM AREA, ONE ADA COMPLIANT RESTROOM AND MECHANICAL ROOM TOTTALLING 750 SF. IT WILL ALSO HAVE AN EXTERIOR DECK ON THE BACKSIDE OF THE CABIN.

AUTHORIZATION TO BID

AUTHORIZATION - PARKS | WILDLIFE | FISHERIES | LAW ENFORCEMENT | FORESTRY DATE

ENGINEERING BUREAU CHIEF DATE

BID ITEMS		
ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY
1	CLEARING AND GRUBBING	LS
2	GRADING	LS
3	SEEDING, FERTILIZING AND MULCHING	LS
4	8" FILTER SOCK	596 LF
5	WILKINSON PRECAST 1250 GALLON SEPTIC TANK	1 EA
6	TYPE SW-301 SANITARY MANHOLE	1 EA
7	6" PVC SDR 23.5 SANITARY SEWER	387 LF
8	4" SANITARY SEWER SERVICE	704 LF
9	4" SANITARY SEWER SERVICE WYE	6 EACH
10	SANITARY SEWER SERVICE CLEANOUTS	3 EACH
11	4"x4"x2" TAPPING TEE & VALVE	1 EACH
12	2" PVC SDR 21 WATER MAIN	467 LF
13	2" BLOW-OFF HYDRANT & VALVE	1 EACH
14	1" PE WATER SERVICE	655 LF
15	1" SERVICE TAP	9 EACH
16	WATER SERVICE CURB STOP	6 EACH
17	YARD HYDRANT	3 EACH
18	CLASS "A" CRUSHED STONE ROADWAY	326 TON
19	GRANULAR BASE FOR SIDEWALKS	28 TON
20	5" REINFORCED PCC SIDEWALK PAVEMENT	168 SY
21	ELECTRICAL SERVICE	LS
22	CONSTRUCTION STAKING	LS
23	MOBILIZATION	LS
24	SIP PANEL CABINS (INCLUDING ALL ARCHITECTURAL & MEP)	6 EACH
	ALTERNATE #1 - FOR LINE 25	
25	STICK FRAME WITH 6" SPRAY FOAM CABINS (INCLUDING ALL ARCHITECTURAL & MEP)	6 EACH

COVER SHEET

TWO BEDROOM CABINS FOR:
LAKE DARLING STATE PARK

WASHINGTON COUNTY, IOWA

NO. BY DATE REVISION

DRAWN BY: PROJECT NUMBER:
15-06-92-04

CHK'D BY: DATE:
11.26.2014

SHEET No:
A-001

DIMENSION NOTES

- IN INTERIOR SPACES THE ACTUAL DIMENSIONS MAY BE LESS IMPORTANT THAN IF AT TWO ELEMENTS IN THE BUILDING WERE TO BE EQUAL. IN THESE CASES, THE WORD "EQUAL OR EQ" IS USED IN LIEU OF THE ACTUAL DIMENSIONS.
- WHEN A ROOM CENTERLINE IS INDICATED ONLY ONE SIDE OF THE ROOMS ELEMENTS MAY BE DIMENSIONED.
- COLUMN IDENTIFICATION: DETAILS WILL GOVERN ALL DIMENSIONS AND NO DIMENSIONS WILL BE SHOWN ON SMALL SCALE PLANS.
- PARTITION CENTERED ON COLUMN OR GRID LINES WILL NOT BE DIMENSIONED ON SMALL SCALE PLANS.
- PARTITION WITH A FINISHED FACE FLUSH WITH FINISH FACE OF COLUMN WILL NOT BE DIMENSIONED ON SMALL SCALE PLANS.
- PARTITION FINISH FACE ON COLUMN OR GRID LINE WILL NOT BE DIMENSIONED ON SMALL SCALE PLANS.
- WHEN ONE JAMB OCCURS AT A COLUMN OR GRID LINE NO DIMENSIONS WILL BE SHOWN ON THE SMALL SCALE PLANS. THE OPENING WIDTH WILL BE GOVERNED BY CRITERIA OR SCHEDULES.
- WHEN NEITHER JAMB OCCURS AT A COLUMN OR GRID LINE ONE JAMB WILL BE DIMENSIONED.
- DOOR LOCATIONS ARE TO BE LOCATED BY ONE OF FOLLOWING:
 - ONE JAMB FACE LOCATED BY A PARTITION AT RIGHT ANGLE. 4" TYPICAL UNLESS INDICATED ON PLAN.
 - OR AS DIMENSIONED ON PLAN.
- PARTITIONS ARE DIMENSIONED TO FACE OF CMU OR FACE OF STUD UNLESS OTHERWISE NOTED.
- DIMENSIONS ARE INDICATED IN THE DOCUMENTS. THE DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS.

MATERIAL LEGEND

EARTH	CONCRETE MASONRY UNIT	GYPSUM / STUCCO	brick
COMPACTED EARTH	metal stud	grout	CONCRETE
GRASS	PARTICLE BOARD	sand	ASPHALT
GRAVEL	PLYWOOD	foam INSULATION	cast stone
clay	BATT INSULATION	RIGID INSULATION	stone
fence	ACOUSTICAL CEILING TILE	ALUMINUM	glass
turf block	plastic	STEEL	WOOD BLOCKING
pavers	carpet	FINISHED WOOD	CONTINUOUS WOOD

SYMBOL LEGEND

NORTH AAROW	ROOM/SPACE IDENTIFICATION
DRAWING / DETAIL IDENTIFICATION	DOOR TAG
SECTION REFERENCE	WINDOW TAG
DETAIL REFERENCE	WALL TYPE REFERENCE
EXTERIOR ELEVATION	KEYNOTE - DEMOLITION
INTERIOR ELEVATION	KEYNOTE - NEW/RENOVATION
ELEVATION TARGET	KEYNOTE - FINISH/ACCESSORY
COLUMN GRID	PROPERTY LINE REFERENCE
LEVEL CHANGE REFERENCE	CENTER LINE REFERENCE
DETAIL CUT LINE	LEVEL CHANGE REFERENCE
MATCH LINES	REVISION NUMBER AND CLOUD

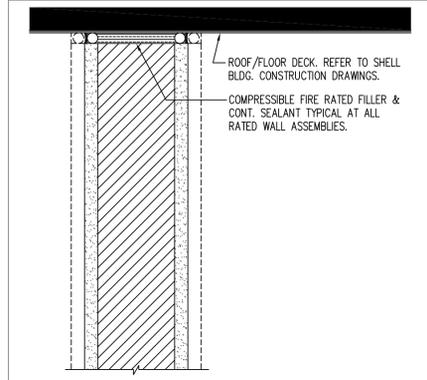
GENERAL NOTES

- THE FOLLOWING GENERAL NOTES SHALL PERTAIN TO THE ENTIRE SET OF CONTRACT DOCUMENTS
- A GENERAL CONTRACTOR SHALL NOTE THAT THE ARCHITECTURAL DRAWINGS ARE ESTABLISHING A MINIMUM MATERIAL OR CONSTRUCTION METHOD STANDARD. THE GENERAL CONTRACTOR SHALL PROVIDE A BID PRICE BASED ON THE SPECIFIC MATERIALS NOTED.
 - DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE ARCHITECT BEFORE CONTINUING WITH CONSTRUCTION.
 - GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL PERFORM THEIR WORK IN ACCORDANCE WITH ALL APPLICABLE CODES GOVERNING EACH TRADE.
 - THE CONTRACTOR SHALL MAINTAIN A CLEAN AND ORGANIZED JOB SITE, ACCEPTABLE TO THE OWNER.
 - THE CONTRACTOR SHALL COORDINATE THE SEQUENCE OF WORK WITH THE OWNER REPRESENTATIVE.
 - THERE SHALL BE NO DEVIATION BY THE GENERAL CONTRACTOR FROM THE CONSTRUCTION DOCUMENTS UNLESS APPROVED IN WRITING BY THE ARCHITECT.
 - EACH CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN THE FIELD PRIOR TO THE INITIATION OF WORK AND SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR CONDITIONS INTERFERING WITH THE ABILITY OF THE CONTRACTOR TO COMPLETE WORK AS OUTLINED ON THE CONSTRUCTION DRAWINGS.
 - ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH OTHER TRADES. LACK OF THIS COORDINATION RESULTING IN ADDED COST TO THE CONTRACT WILL BE BORNE BY THE CONTRACTOR.
 - GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE EXISTING BUILDING WATER TIGHT DURING CONSTRUCTION.
 - THE CONTRACTOR WILL VERIFY THAT EXIT EGRESS IS MAINTAINED FOR ALL OCCUPIED AREAS OF THE BUILDING THROUGHOUT ALL PHASES OF CONSTRUCTION.
 - PLAN DIMENSIONS ARE GIVEN TO FACE OF STUD OR BLOCK WALL. "CLEAR" DIMENSIONS ARE GIVEN TO THE FACE. THE OWNER WILL ASSUME ALL LIABILITY AND SHALL TAKE PERSONAL RESPONSIBILITY FOR ANY DECISIONS THAT THEY MAKE TO CHANGE OR ALTER THE CONSTRUCTION DOCUMENTS WITHOUT THE ARCHITECT'S WRITTEN APPROVAL.
 - PROTECT ALL EXISTING FINISHES AND MATERIALS TO REMAIN, IN ACCORDANCE WITH ACCEPTABLE TRADE PRACTICES, MANUFACTURER, RECOMMENDATIONS, OR AS DIRECTED BY THE ARCHITECT.
 - CUTTING OF EXISTING CONSTRUCTION FOR THE INSTALLATION OF ALL NEW WORK BY ALL TRADES, AND THE SUBSEQUENT PATCHING THEREOF, SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR, WHETHER THE WORK IS DONE BY HIS OWN FORCES OR NOT. GRINDING OF MATERIALS FOR REMOVAL SHALL NOT BE PERMITTED. CUTTING SHALL BE TO STRAIGHT LINE. UNWORKMAN-LIKE CUTTING, DAMAGE RESULTING THEREFROM AND UNACCEPTABLE PATCHING SHALL BE REPAIRED AND/OR REPLACED TO AN ACCEPTABLE CONDITION APPROVED BY THE ARCHITECT. A OWNER PROJECT REPRESENTATIVE SHALL BE NOTIFIED PRIOR TO CUTTING OF ANY STRUCTURAL ITEM (I.E. CONCRETE FLOOR, MASONRY, WALL, ETC.) WITHIN THE EXISTING BUILDING. METHOD OF CUTTING SHALL BE APPROVED BY THE OWNER PROJECT REPRESENTATIVE.
 - PATCHING MATERIAL SHALL MATCH EXISTING ADJACENT MATERIALS AS CLOSELY AS POSSIBLE IN COLOR, PATTERNS, AND/OR TEXTURES.
 - ALL SALVAGE MATERIALS REMOVED SHALL REMAIN THE PROPERTY OF THE OWNER. ALL NON-SALVAGE CONSTRUCTION MATERIALS AND DEBRIS FROM DEMOLITION WORK SHALL BE REMOVED FROM THE SITE AS WORK PROGRESSES, UNLESS OTHERWISE NOTED.
 - ISOLATE ALL DISSIMILAR METALS. O SHALL REQUEST APPROVAL BY THE ARCHITECT FOR MATERIALS USED FOR THIS PURPOSE, PRIOR TO INSTALLATION.
 - SEALANTS SHALL BE COMPATIBLE WITH ADJACENT SURFACE(S) THAT ARE IN CONTACT. REFER TO SPECIFICATIONS FOR APPROVED MANUFACTURERS AND PROCEDURES.
 - CAULK JOINTS OF DISSIMILAR EXPOSED TO VIEW MATERIALS AS REQUIRED BY THE ARCHITECT.
 - ALL DOOR HARDWARE TO BE FL ADA COMPLIANT.
 - ALL EXTERIOR WALLS, DOORS AND WINDOWS ARE EXISTING U.N.O.
 - ALL FINISHES TO BE PER CLASS INDICATED ON A-004
 - NO CONSTRUCTION SHALL OCCUR WITHOUT SHOP DRAWING APPROVAL. SHOP DRAWINGS TO BE PROVIDED TO ARCHITECT FOR REVIEW UPON BEING REVIEWED AND SIGNED/DATED BY THE GENERAL CONTRACTOR AND SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING ITEMS:
 - CABINERY MILLWORK
 - RUNNING TRIM AND CASING PROFILES
 - PAINT/LAMINATE COLOR SAMPLES
 - ACOUSTICAL CEILING AND GRID
 - TOILET ACCESSORIES
 - KITCHEN EQUIPMENT
 - ROOF PENETRATIONS
 - HVAC EQUIPMENT
 - PLUMBING EQUIPMENT AND FIXTURES
 - ELECTRICAL EQUIPMENT AND FIXTURES
 - PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL SUBMIT (2) COPIES OF MATERIAL SAFETY DATA SHEETS (MSDS) FOR ALL PRODUCTS USED TO PERFORM THE WORK.

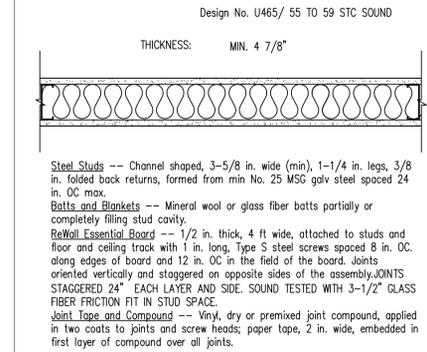
ABBREVIATIONS

ABV ABOVE	MANUF MANUFACTURER
AFF ABOVE FINISH FLOOR	MAX MAXIMUM
ACT ACOUSTICAL CEILING TILE	MO MASONRY OPENING
AHU AIR HANDLER UNIT	MECH MECHANICAL
AL ALUMINUM	MEMB MEMBRANE
AB ANCHOR BOLT	MTL METAL
@ AT	MIN MINIMUM
BM BEAM	N/A NOT APPLICABLE
BRG BEARING	NIC NOT IN CONTRACT
BLK BLOCK	NTS NOT TO SCALE
BD BOARD	#, NO NUMBER
BTM BOTTOM	OA OVERALL
BLDG BUILDING	ON CENTER ON CENTER
BUR BUILT-UP ROOF	OCC OCCUPANCY
CAB CABINET	OPNG OPENING
CPT CARPET	OPP OPPOSITE
CF CEILING FINISH	OH OVERHANG
CIP CAST IN PLACE	PAV PAVERS
CLG CEILING	PNT PAINTED
CL CENTER LINE	PR PAIR
CT CERAMIC TILE	PBO PURCHASED BY OWNER
CLR CLEAR	PF PRE-FINISHED/PRIMED
COL COLUMN	PL PLATE
CONC CONCRETE	PLMB PLUMBING
CMU CONCRETE MASONRY UNIT	PLYW PLYWOOD
CONT CONTINUOUS	PT PRESSURE TREATED
CJ CONTROL JOINT	POR POINT OF REFERENCE
DIA DIAMETER	QT QUARRY TILE
DEMO DEMOLITION	R RADIUS
DR DOOR	RCP REFLECTED CEILING PLAN
DN DOWN	RENF REINFORCED
DS DOWNSPOUT	RENO RENOVATION
DWG DRAWINGS	REQ'D REQUIRED
ELEC ELECTRICAL	RD ROOF DRAIN
EWC ELECTRIC WATER COOLER	RM ROOM
ELEV ELEVATION	RO ROUGH OPENING
EQ EQUAL	S STAIN
EXIST EXISTING	SECT SECTION
EJ EXPANSION JOINT	SIM SIMILAR
EXT EXTERIOR	SC SOLID CORE
FIN FINISH	ST STUCCO
FV FIELD VERIFY	SPEC SPECIFICATION
FE FIRE EXTINGUISHER	SF SQUARE FOOT
FLR FLOOR	SS STAINLESS STEEL
FD FLOOR DRAIN	STL STEEL
FTG FOOTING	STRUCT STRUCTURAL
FR FIRE RETARDANT	STD STANDARD
GA GAUGE	TR TRUSS
GC GENERAL CONTRACTOR	TG TEMPERED GLASS
CALV GALVANIZED	TEXT TEXTURED
GFI GROUND FAULT INTERRUPT	TYP TYPICAL
GYP GYPSUM	T&G TONGUE & GROOVE
HC HANDICAPPED	T&B TOP & BOTTOM
HDW HARDWARE	UL UNDERWRITERS LAB
HT HEIGHT	UNO UNLESS NOTED OTHERWISE
HDR HEADER	VP VAPOR BARRIER
HM HOLLOW METAL	VB VINYL BASE
IC INSTALLED BY CONTRACTOR	VCT VINYL COMPOSITION-TILE
IO INSTALLED BY OWNER	VWC VINYL WALL COVERING
INSUL INSULATION	WC WATER COOLER
INT INTERIOR	WH WATER HEATER
JAN JANITOR	WFW WELDED WIRE FABRIC
JT JOINT	WD WOOD
LAM LAMINATED	W/ WITH
LF LINEAR FEET	W/O WITHOUT

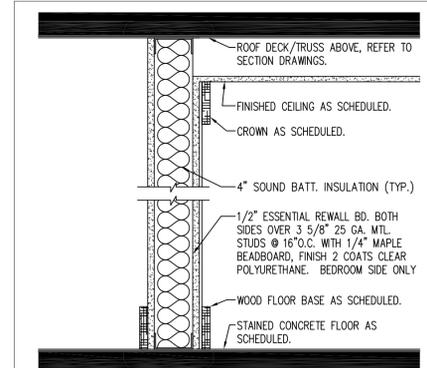
WALLTYPES



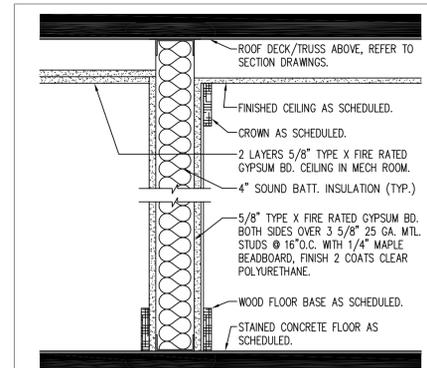
B FIRE WALL ASSEMBLY



A INTERIOR WALL CONSTRUCTION

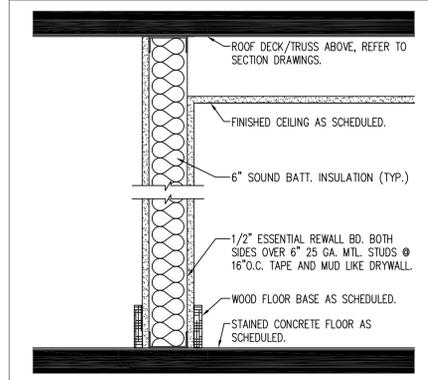


06 NON-RATED/NON-BEARING

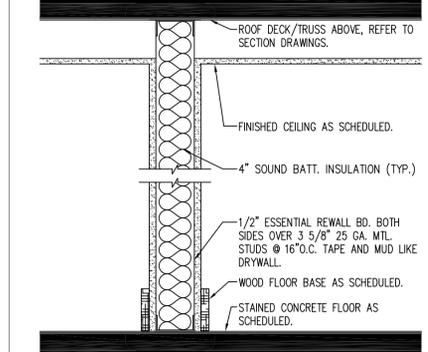


05 1HR-RATED/NON-BEARING

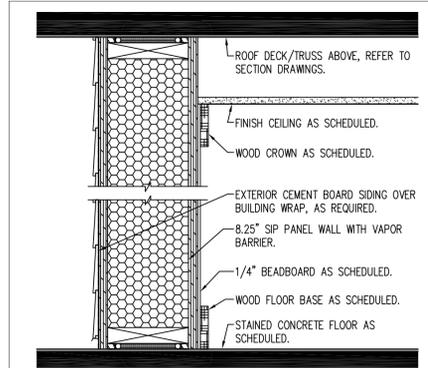
WALLTYPES



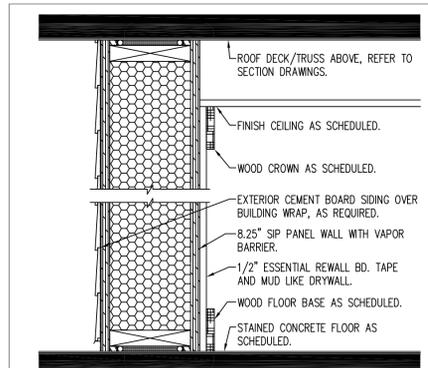
04 NON-RATED/NON-BEARING



03 NON-RATED/NON-BEARING



02 NON-RATED/BEARING



01 NON-RATED/BEARING

IOWA DEPARTMENT OF NATURAL RESOURCES
 ENGINEERING SERVICES - WALLACE BUILDING
 502 E. 9TH ST., DES MOINES, IA 50319-0034
 P: 515.281.5918 F: 515.281.8685



WALL TYPES, NOTES & SYMBOLS
 TWO BEDROOM CABINS FOR:
LAKE DARLING STATE PARK
 WASHINGTON COUNTY, IOWA

NO.	BY	DATE	REVISION

DRAWN BY: PROJECT NUMBER: 15-06-92-04
 CH'CD BY: DATE: 11.26.2014

SHEET NO: **A-002**



SEE SHEET C3 FOR ACCESS ROAD INFORMATION

GENERAL NOTES

- TWO WEEKS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL NOTIFY:
 - IOWA DNR PROJECT MANAGER: RYAN RICHEY 515-979-0107
 - DISTRICT INSPECTOR: HEATH DELZELL 515-979-0104
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH STATEWIDE URBAN STANDARD DESIGN SPECIFICATIONS FOR PUBLIC IMPROVEMENTS (SUDAS). ALL CONSTRUCTION TESTING TO BE IN ACCORDANCE WITH SUDAS AND IS THE EXPENSE OF THE CONTRACTORS.
- THE CONTRACTOR SHALL VERIFY THE EXISTING CONDITIONS PRIOR TO THE START OF CONSTRUCTION AND NOTIFY THE ABOVE MENTIONED CONTACTS OF ANY DISCREPANCIES.
- THE LOCATIONS AND DIMENSIONS SHOWN ON THE PLANS FOR EXISTING FACILITIES ARE IN ACCORDANCE WITH AVAILABLE INFORMATION WITHOUT UNCOVERING AND MEASURING. THE ENGINEER DOES NOT GUARANTEE THE ACCURACY OF THIS INFORMATION OR THAT ALL EXISTING UNDERGROUND FACILITIES ARE SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL PUBLIC AND/OR PRIVATE UTILITIES SERVING THE AREA TO DETERMINE THE PRESENT EXTENT AND LOCATION OF THEIR FACILITIES BEFORE BEGINNING WORK.
- THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES OR STRUCTURES AT THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROPER UTILITY IMMEDIATELY UPON BREAKING OR DAMAGE TO ANY UTILITY LINE OR APPURTENANCE, OR THE INTERRUPTION OF THEIR SERVICE. HE SHALL NOTIFY THE PROPER UTILITY INVOLVED. IF EXISTING UTILITY LINES ARE ENCOUNTERED THAT CONFLICT IN LOCATION WITH NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED.
- CONTRACTOR TO PROTECT ALL UTILITY, PAVING, BUILDINGS, ETC. OUTSIDE OF LIMITS OF PROPOSED CONSTRUCTION.
- IN THE EVENT THAT THERE IS A DISCREPANCY BETWEEN THE QUANTITIES AND THE PLANS, THE DETAILED PLANS SHALL GOVERN.
- CONTRACTOR SHALL SEED/MULCH ALL DISTURBED AREAS. USE TYPE 1 (PERMANENT LAWN MIXTURE) SEED MIX.
- MAINTAIN ALL CUT AND FILL AREAS TO ACCOMMODATE SURFACE DRAINAGE.
- FINISHED GRADE ON ALL NON-PAVED AREAS SHALL BE WITHIN 0.20 FOOT OF PLAN GRADE. PAVED AREAS SHALL BE WITHIN 0.10 FOOT.
- TOPSOIL SHALL BE SPREAD TO A MINIMUM THICKNESS OF 6-INCHES ON ALL DISTURBED UNPAVED AREAS.
- BACKFILL TO THE TOP OF ALL ROCK OR PAVED SURFACES.
- ALL ELEVATIONS ARE TO THE GUTTER GRADE UNLESS NOTED OTHERWISE.
- PROTECT ALL EXISTING TREES AND VEGETATION UNLESS OTHERWISE NOTED.
- ANY SPOIL MATERIAL THAT MAY BE GENERATED DURING THE CONSTRUCTION, COORDINATE LOCATION FOR DISPOSITION WITH THE DNR INSPECTOR AND IS CONSIDERED INCIDENTAL TO THE PROJECT.
- SIDEWALKS SHALL BE 5- FEET WIDE, 5-INCH PCC THICKNESS (168 SY) WITH 4-INCHES OF GRANULAR SUBBASE (28 TONS). #4 REINFORCING BARS TO BE LONGITUDINAL. SEE SIDEWALK DETAIL ON SHEET C7.
- INSTALL EXPANSION JOINTS AT END OF SIDEWALKS WHERE THEY MEET CABIN SLABS.
- SAW CUT SIDEWALKS INTO 5'x5' PANELS.
- FOR SIDEWALK CROSS SECTION DETAIL SEE SHEET C7.

LEGEND

EXISTING/PROPOSED

- S 6" SANITARY SEWER
- W 2" WATER MAIN
- ST 8" STORM SEWER
- E ELECTRICAL LINE
- 990 ELEVATION
- 882.67 884.50 SPOT ELEVATION
- TREES
- 8" FILTER SOCK
- CLEARING LIMITS

Scale: 0 FEET 20

CABIN #1 SIDEWALK CENTERLINE CONTROL

No.	Type	Length	Radius	Direction	Start Station	End Station	Delta angle	Chord length	Chord Direction	Start Point	End Point	Center Point
1	Line	37.97'		N23° 21' 19"E	0+00.00'	0+37.97'				(2081505.7122', 438024.0195')	(2081520.7665', 438058.8828')	(2081529.9472', 438054.9185')
2	Curve	6.76'	10.00'		0+37.97'	0+44.73'	38.7186 (d)	6.63'	N42° 42' 52"E	(2081520.7665', 438058.8828')	(2081525.2638', 438063.7540')	(2081529.9472', 438054.9185')
3	Line	23.97'		N62° 04' 26"E	0+44.73'	0+68.70'				(2081525.2638', 438063.7540')	(2081546.4445', 438074.9810')	(2081541.7612', 438083.8165')
4	Curve	10.66'	10.00'		0+68.70'	0+79.36'	61.0496 (d)	10.16'	N31° 32' 57"E	(2081546.4445', 438074.9810')	(2081551.7596', 438083.6378')	(2081541.7612', 438083.8165')
5	Line	6.46'		N1° 01' 27"E	0+79.36'	0+85.82'				(2081551.7596', 438083.6378')	(2081551.8751', 438090.0965')	(2081569.3723', 438089.7837')
6	Curve	12.36'	17.50'		0+85.82'	0+98.18'	40.4761 (d)	12.11'	N21° 15' 44"E	(2081551.8751', 438090.0965')	(2081556.2656', 438101.3796')	(2081569.3723', 438089.7837')
7	Line	1.56'		N41° 30' 01"E	0+98.18'	0+99.74'				(2081556.2656', 438101.3796')	(2081557.2992', 438102.5479')	

CABIN #2 SIDEWALK CENTERLINE CONTROL

No.	Type	Length	Radius	Direction	Start Station	End Station	Delta angle	Chord length	Chord Direction	Start Point	End Point	Center Point
1	Curve	4.34'	10.00'		0+00.00'	0+04.34'	24.8629 (d)	4.31'	N36° 25' 26"W	(2081473.3500', 438030.0634')	(2081470.7937', 438033.5278')	(2081464.2140', 438025.9973')
2	Line	0.49'		N48° 51' 19"W	0+04.34'	0+04.83'				(2081470.7937', 438033.5278')	(2081470.4246', 438033.8502')	(2081477.0043', 438041.3807')
3	Curve	7.27'	10.00'		0+04.83'	0+12.10'	41.6748 (d)	7.11'	N28° 01' 04"W	(2081470.4246', 438033.8502')	(2081467.0827', 438040.1308')	(2081477.0043', 438041.3807')
4	Line	20.78'		N7° 10' 50"W	0+12.10'	0+32.89'				(2081467.0827', 438040.1308')	(2081464.4849', 438060.7507')	(2081477.0043', 438041.3807')
5	Curve	8.43'	10.00'		0+32.89'	0+41.31'	48.2821 (d)	8.18'	N16° 57' 38"E	(2081464.4849', 438060.7507')	(2081466.8711', 438068.5746')	(2081474.4065', 438062.0006')
6	Line	1.91'		N41° 06' 06"E	0+41.31'	0+43.22'				(2081466.8711', 438068.5746')	(2081468.1274', 438070.0147')	(2081469.3723', 438076.5887')
7	Curve	8.91'	10.00'		0+43.22'	0+52.13'	51.0327 (d)	8.62'	N15° 35' 07"E	(2081468.1274', 438070.0147')	(2081470.4421', 438078.3133')	(2081460.5920', 438076.5887')
8	Line	7.98'		N9° 55' 52"W	0+52.13'	0+60.11'				(2081470.4421', 438078.3133')	(2081469.0652', 438086.1774')	

CABIN #3 SIDEWALK CENTERLINE CONTROL

No.	Type	Length	Radius	Direction	Start Station	End Station	Delta angle	Chord length	Chord Direction	Start Point	End Point	Center Point
1	Line	7.98'		N40° 07' 53"W	0+00.00'	0+07.98'				(2081427.6391', 438012.5072')	(2081422.4950', 438018.6092')	(2081430.1406', 438025.0547')
2	Curve	5.11'	10.00'		0+07.98'	0+13.09'	29.2540 (d)	5.05'	N25° 30' 16"W	(2081422.4950', 438018.6092')	(2081420.3203', 438023.1676')	(2081430.1406', 438025.0547')
3	Line	20.97'		N10° 52' 39"W	0+13.09'	0+34.06'				(2081420.3203', 438023.1676')	(2081416.3627', 438043.7627')	(2081406.5424', 438041.8756')
4	Curve	4.83'	10.00'		0+34.06'	0+38.89'	27.6654 (d)	4.78'	N24° 42' 37"W	(2081416.3627', 438043.7627')	(2081414.3638', 438048.1066')	(2081406.5424', 438041.8756')
5	Line	14.06'		N38° 32' 34"W	0+38.89'	0+52.95'				(2081414.3638', 438048.1066')	(2081405.6010', 438059.1060')	

CABIN #4 SIDEWALK CENTERLINE CONTROL

No.	Type	Length	Direction	Start Station	End Station	Start Point	End Point
1	Line	23.34'	N70° 27' 21"W	0+00.00'	0+23.34'	(2081405.3011', 437980.2547')	(2081383.3083', 437988.0618')

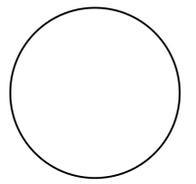
CABIN #5 SIDEWALK CENTERLINE CONTROL

No.	Type	Length	Radius	Direction	Start Station	End Station	Delta angle	Chord length	Chord Direction	Start Point	End Point	Center Point
1	Curve	2.88'	25.00'		0+00.00'	0+02.88'	6.6061 (d)	2.88'	S66° 08' 39"W	(2081412.8833', 437914.7141')	(2081410.2486', 437913.5489')	(2081401.4718', 437936.9577')
2	Line	12.45'		S69° 26' 50"W	0+02.88'	0+15.33'				(2081410.2486', 437913.5489')	(2081398.5926', 437909.1787')	

CABIN #6 SIDEWALK CENTERLINE CONTROL

No.	Type	Length	Radius	Direction	Start Station	End Station	Delta angle	Chord length	Chord Direction	Start Point	End Point	Center Point
1	Line	30.89'		S16° 50' 40"W	0+00.00'	0+30.89'				(2081470.3000', 437863.0769')	(2081461.3479', 437833.5089')	(2081457.1868', 437827.9964')
2	Curve	7.05'	10.00'		0+30.89'	0+37.95'	40.4045 (d)	6.91'	S37° 02' 48"W	(2081461.3479', 437833.5089')	(2081457.1868', 437827.9964')	(2081451.7769', 437836.4067')
3	Line	13.57'		S57° 14' 56"W	0+37.95'	0+51.52'				(2081457.1868', 437827.9964')	(2081445.7720', 437820.6539')	

CONSULTANT:



IOWA DEPARTMENT OF NATURAL RESOURCES
 ENGINEERING SERVICES - WALLACE BUILDING
 502 E. 9TH ST., DES MOINES, IA 50319-0034
 P: 515.281.5918
 F: 515.281.8685



DIMENSION PLAN

TWO BEDROOM CABINS FOR:

LAKE DARLING STATE PARK

WASHINGTON COUNTY, IOWA

NO. BY DATE REVISION

NO.	BY	DATE	REVISION

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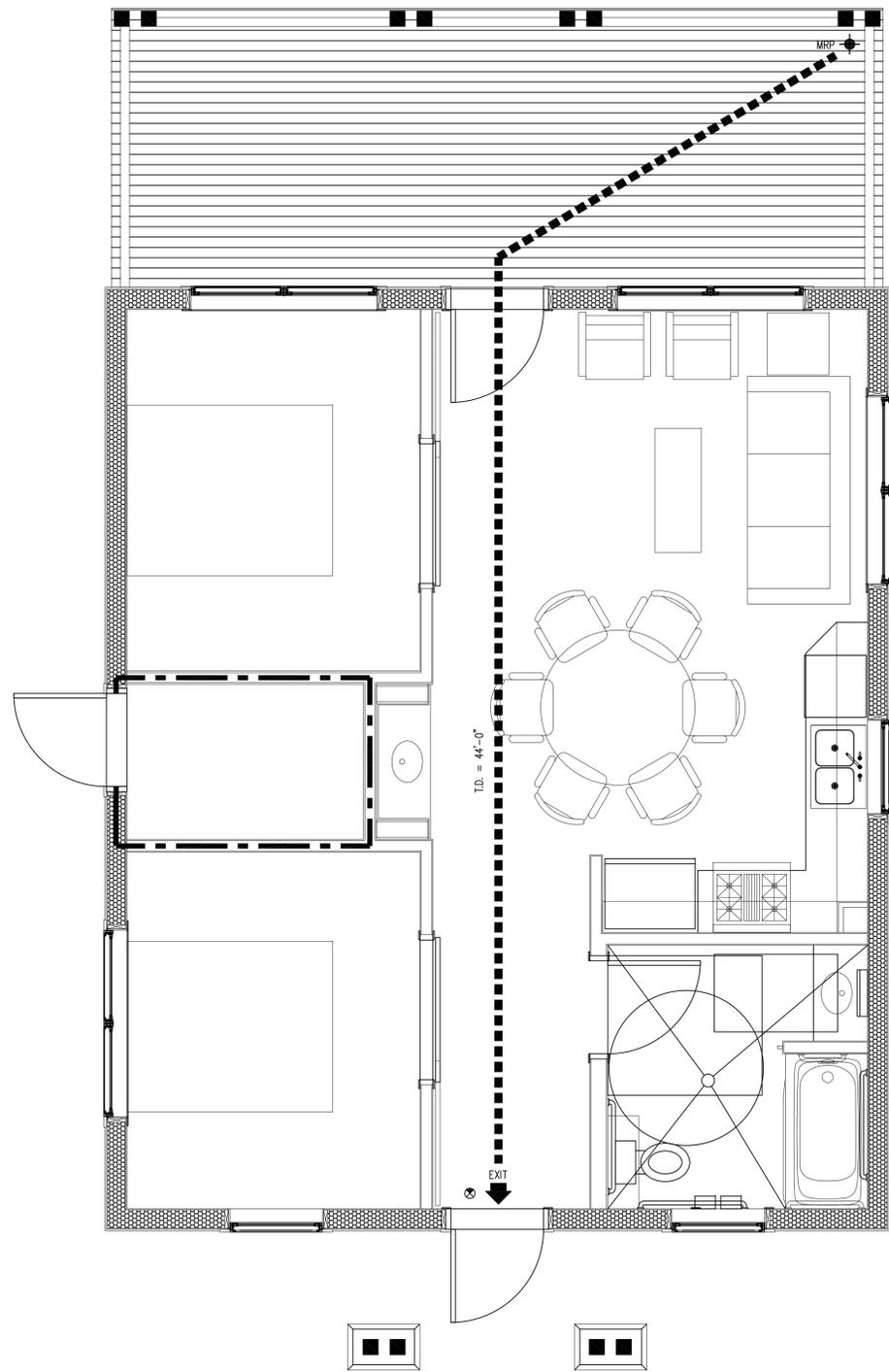
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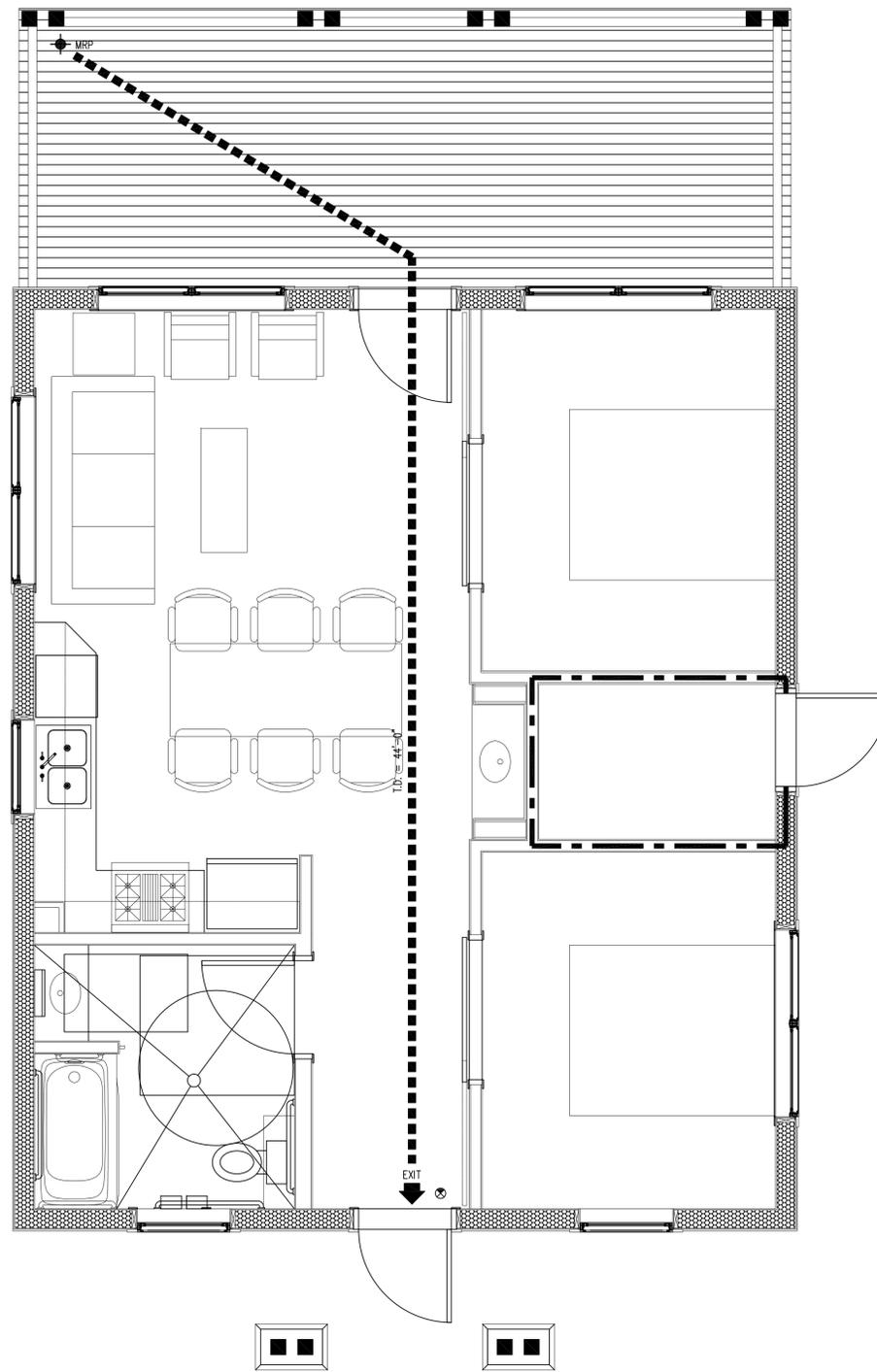
11.26.2014

SHEET NO:

C4



02 LIFE SAFETY PLAN - CABIN "B"
SCALE: 3/8" = 1'-0"



01 LIFE SAFETY PLAN - CABIN "A"
SCALE: 3/8" = 1'-0"

INTERIOR FINISH CLASSIFICATION

OCCUPANCY GROUP	WITHOUT AUTOMATIC SPRINKLER SYSTEM (IBC TBL 803.5)		
	VERTICAL EXITS & EXIT PASSAGEWAYS	EXIT ACCESS CORRIDORS	ROOMS & ENCLOSED SPACES
GROUP B	CLASS A	CLASS B	CLASS C

CODE SUMMARY

BUILDING AREA	773 GSF	ALLOWABLE BLDG AREA (IBC TBL 503)	750 SF
TENANT AREA	559 NSF	HEIGHT LIMITATION (IBC TBL 503)	2 STORIES (40')
CONSTRUCTION TYPE	V-B WITHOUT SPRINKLER SYSTEM	AUTOMATIC SPRINKLER SYSTEM (NFPA 13)	NO
OCCUPANCY	GROUP R-1: TRANSIENT RESIDENTIAL	EXIT ACCESS TRAVEL DISTANCE (IBC 1016.1)	200'-0"
		EXIT ACCESS DOORWAYS (IBC TBL 1019.1)	1
		EGRESS WIDTH PER OCCUPANT (IBC TBL 1005.1) LEVEL [.2]	(.2) x 3 = 0.6'
			1 DOORS @ 36" = 36"

LIFE SAFETY LEGEND

SYMBOL	DESCRIPTION	LINE TYPE
T.D.	TRAVEL DISTANCE FROM M.R.P.	-----
	1 HOUR FIRE RATED WALL	- - - - -
⊗	EXIT LIGHT	
◆	M.R.P. MOST REMOTE POINT	◆
↑	EXIT / ENTRY	
FE	FIRE EXTINGUISHER	

GENERAL NOTES

A. INFORMATION PROVIDED ON THE LIFE SAFETY PLAN INDICATES EGRESS REQUIREMENTS.
 B. ALL CODE REFERENCES ARE FROM INTERNATIONAL BUILDING CODE, W/ AMENDMENTS UNLESS OTHERWISE NOTED.

LIFE SAFETY PLAN

TWO BEDROOM CABINS FOR:
LAKE DARLING STATE PARK

WASHINGTON COUNTY, IOWA
LAKE DARLING STATE PARK

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F: 515.281.8685



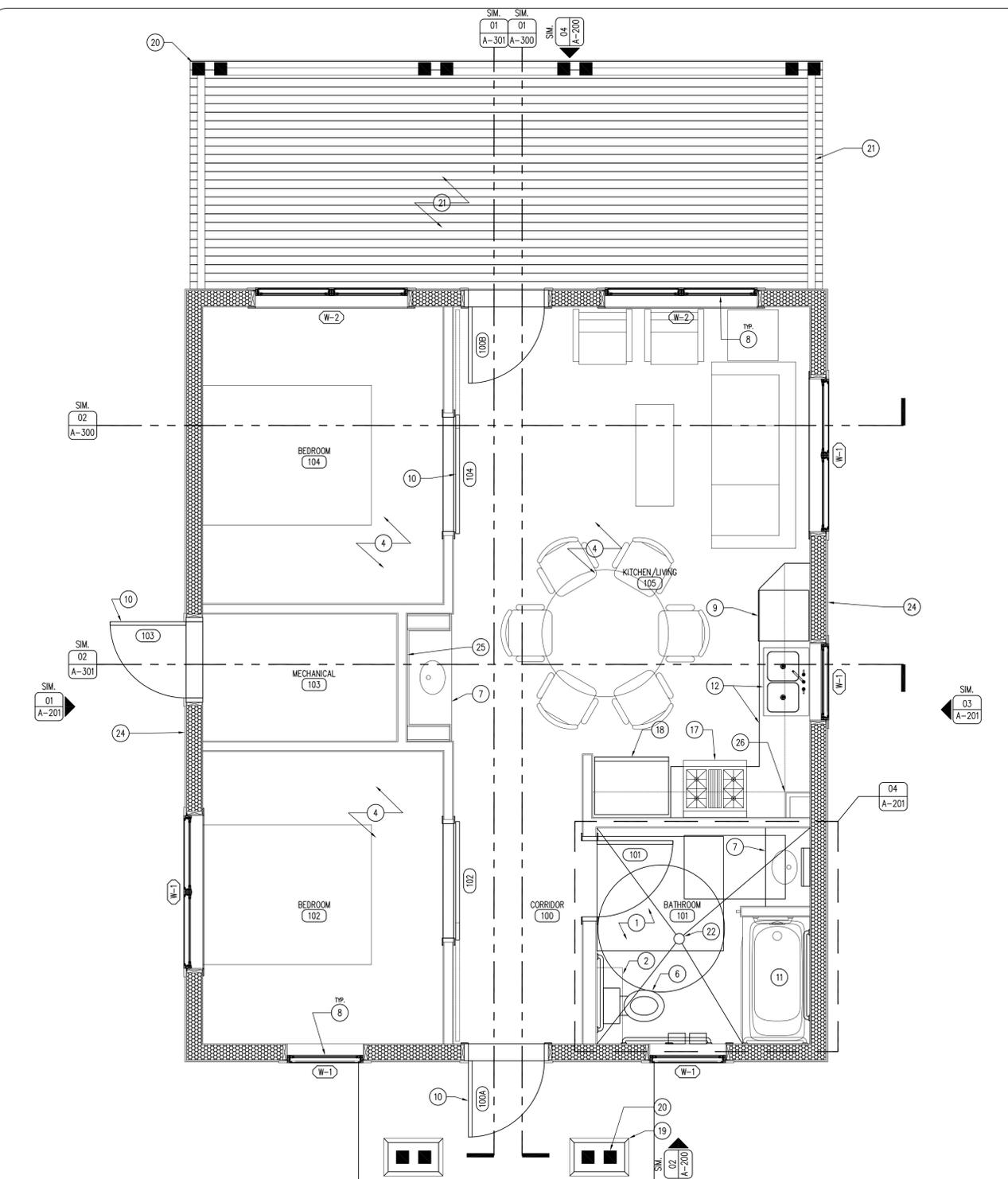
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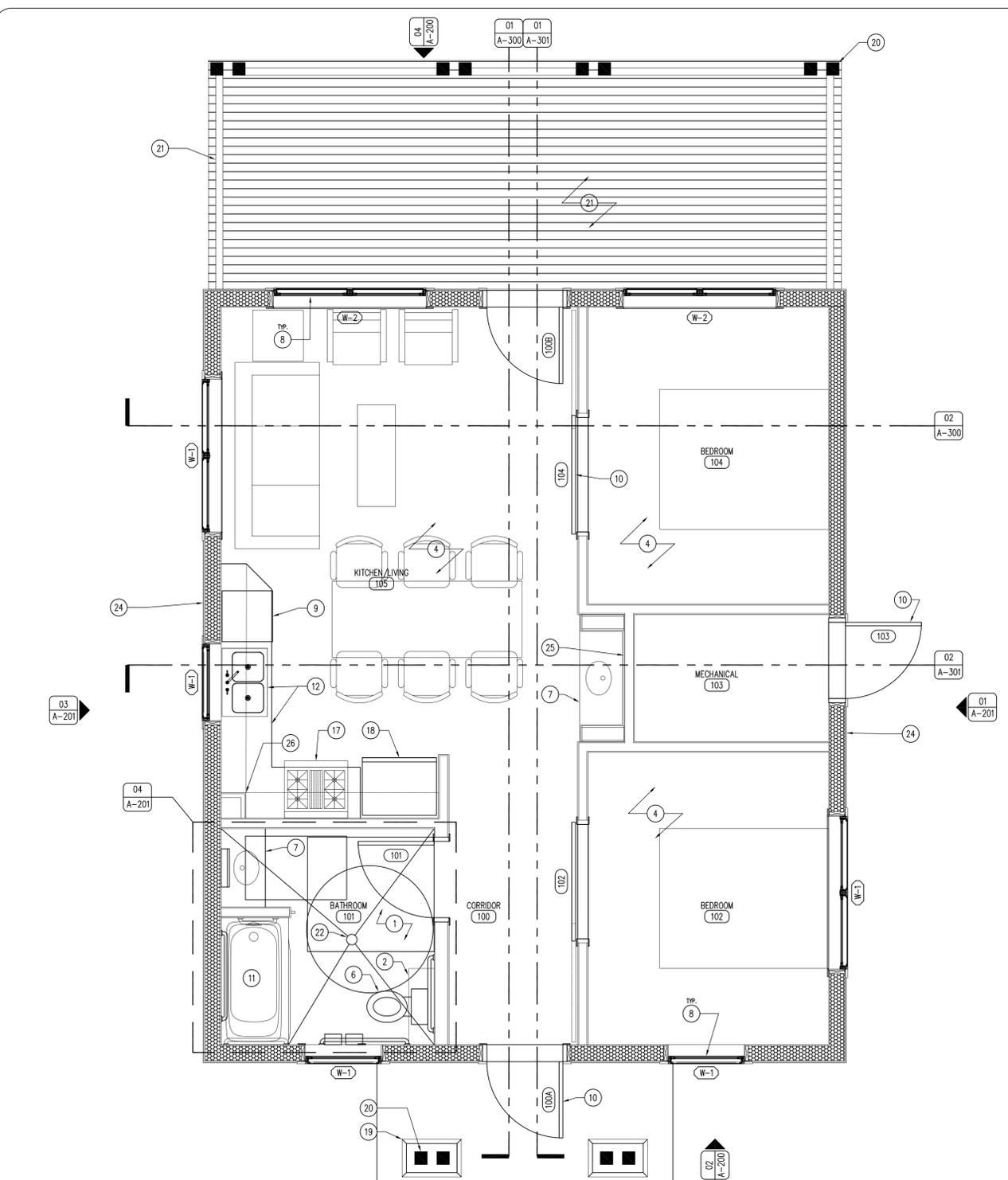
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11.26.2014

SHEET No:

A-020



02 REFERENCE FLOOR PLAN - CABIN "B"
SCALE: 3/8" = 1'-0"



01 REFERENCE FLOOR PLAN - CABIN "A"
SCALE: 3/8" = 1'-0"

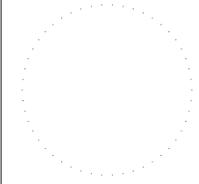
KEYNOTES

1. BATHROOM, REFER TO ENLARGED FLOOR PLAN 02 & 04/A-201 FOR MOUNTING HEIGHTS AND SCHEDULE OF TOILET ACCESSORIES. ALL BATHROOM WALLS TO RECEIVE 1/4" MAPLE BEADBOARD, REFER TO WALL TYPES A-002 & PLUMBING DRAWINGS.
2. BUILT-IN ENCLOSED UPPER STORAGE CABINET (WD-1 & 2). REFER TO MILLWORK SECTION A-600.
3. 3/4" HARD MAPLE PLYWOOD CABINET (WD-1) WITH SOLID WOOD DOOR ON CONCEALED HINGES (WD-2). PROVIDE DECORATIVE HARDWARE WIRE PULLS. REFER TO FINISH SCHEDULE.
4. SMOOTH CONCRETE FLOOR WITH TWO COATS SEALER AND IN-FLOOR HYDRONIC HEAT. REFER TO ROOM FINISH SCHEDULE AND PLUMBING DRAWINGS.
5. KITCHEN UNDER-COUNTER CABINETS (WD-1) AND COUNTER-TOP (QTZ-1). REFER TO FINISH SCHEDULE A-600.
6. TOILET, REFER TO PLUMBING DRAWINGS.
7. UNDERMOUNT LAVATORY WITH QUARTZ COUNTER TOP (QTZ-1), REFER TO PLUMBING DRAWINGS AND FINISH SCHEDULE SHEET A-600.
8. ANDERSEN 100 DOUBLE HUNG WINDOWS AS SCHEDULED. REFER TO FINISH SCHEDULE A-600.
9. DISHWASHER BY OWNER.
10. DOOR AS SCHEDULED, REFER TO FINISH SCHEDULE A-600.
11. TUB & SHOWER SURROUND, REFER TO PLUMBING DRAWINGS.
12. KITCHEN SINK, REFER TO PLUMBING DRAWINGS.
13. SLIDING BARN DOOR, REFER TO DOOR SCHEDULE.
14. INTERIOR PARTITION WALL AS SCHEDULED, REFER TO SHEET A-101.
16. MINI-SPLIT SYSTEM AIR HANDLER, REFER TO MECHANICAL DRAWINGS.
17. STOVE AND MICROWAVE COMBO BY OWNER.
18. REFRIGERATOR, BY OWNER.
19. NATURAL STONE COLUMN BASES WITH 4" INDIANA LIMESTONE CAP. REFER TO DETAIL 10/A-600.
20. 6X6 ROUGH SAWN DOUGLAS FIR COLUMNS, STAIN WITH TWP 100 SERIES STAIN, DARK OAK 103.
21. 5/4 PT WOOD DECK AND RAILING.
22. FLOOR DRAIN, SLOPE CONCRETE IN BATHROOM TO DRAIN, REFER TO PLUMBING DRAWINGS. USE INTERIOR WALL PANELING FOR EXTRA TO REPAIR EXTERIOR WALLS AS NEEDED.
23. ROOF OVERHANG ABOVE.
24. SIP WALL WITH 1/2" REWALL INTERIOR AND HARDIE PLANK CEDARMILL LAP SIDING ON THE EXTERIOR OVER TYVEK BUILDING WRAP, TIMBER BARK. ALL WINDOWS, DOORS, CORNERS, BOTTOM EDGE OF STRUCTURE AND SOFFIT/CABLE AREA TO RECEIVE 1X4 CERTAINTED CEDAR TRIM, PAINT DARK BRONZE.
25. PLATE GLASS, FRAMELESS MIRROR, 1/4", ENTIRE WIDTH OF WALL (FIELD MEASURE), 36" HIGH. USE MIRROR HANGING CLIPS, MOUNT JUST ABOVE BACKSPLASH.
26. 12" X 12" BOXED OUT PLUMBING CHASE, USE 1/2" REWALL OVER 1 7/8" FURRING STUDS. EXTEND FROM CEILING THROUGH CABINETS FOR THE SINK AND DISHWASHER. REFER TO PLUMBING DRAWINGS FOR MORE INFORMATION.

GENERAL NOTES

- A. REFER TO FINISH SCHEDULE.
- B. REFER TO DOOR SCHEDULE.
- C. REFER TO REFLECTED CEILING PLAN FOR CEILING HEIGHTS.
- D. REFER TO INDEX SHEET FOR WALL TYPES.
- E. FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
- F. FIELD VERIFY EQUIPMENT LOCATIONS FOR ELECTRICAL OUTLET LOCATIONS. REFER TO ELECTRICAL PLAN.
- G. REFER TO FINISH SCHEDULE SHEET FOR COLOR AND MATERIAL SELECTIONS.
- H. ALL FURNITURE SHOWN ON PLAN IS FOR REFERENCE ONLY, ALL FURNITURE BY OWNER.
- I. SIMILAR SECTIONS CUTS FOR CABIN "B" ARE MIRRORED SECTIONS OF CABIN "A".
- J. ALL CABINS ARE STRUCTURAL INSULATION PANELS AS BASIS OF DESIGN, HOWEVER, THE PROPOSAL FORM HAS A LINE ITEM FOR ALL CABINS TO BE PRICED AS 2X6 STICK FRAMING WITH 6" OPEN CELL SPRAY FOAM AND VAPOR BARRIER.

CONSULTANT:



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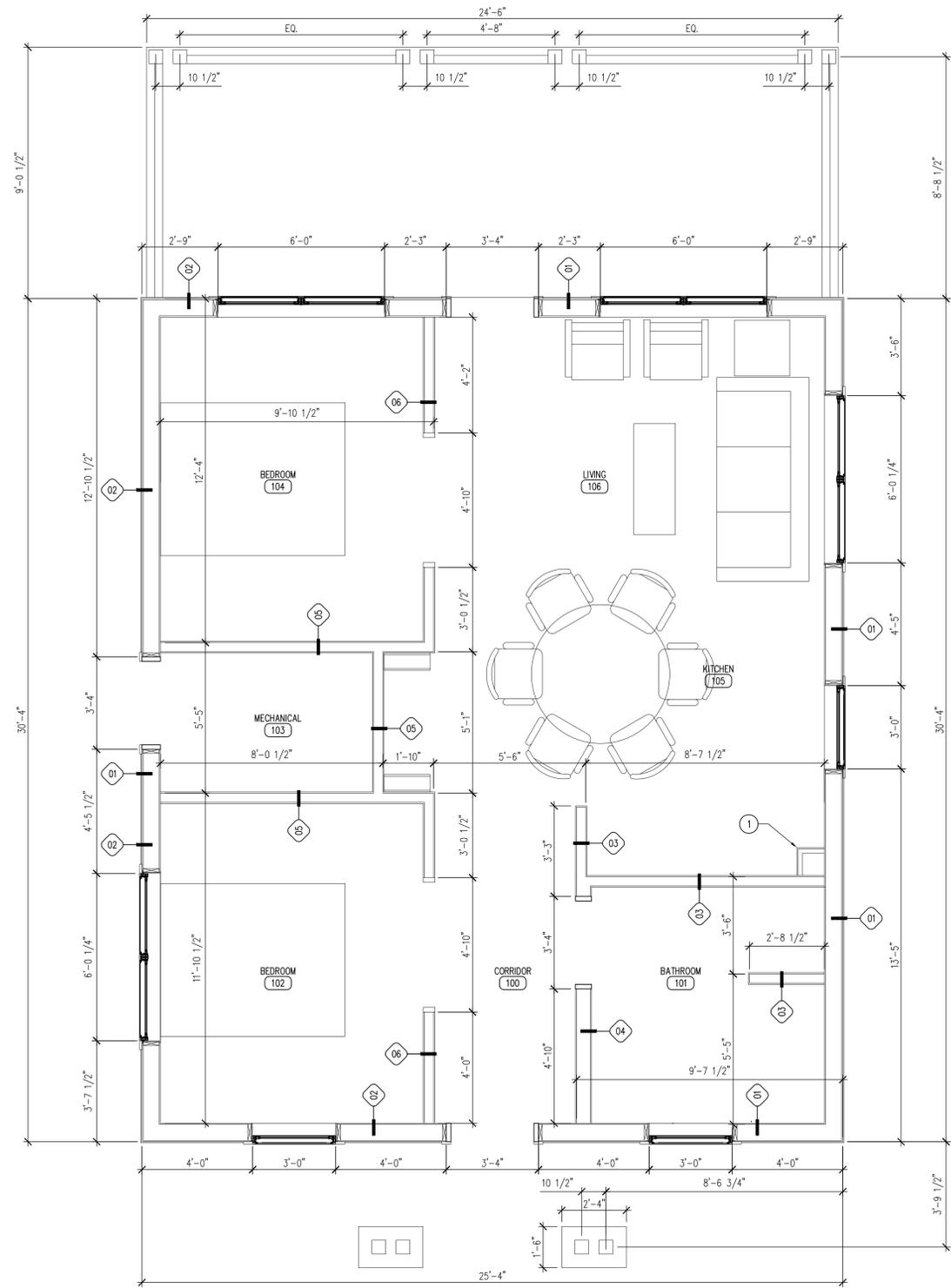


REFERENCE FLOOR PLANS
TWO BEDROOM CABINS FOR:
LAKE DARLING STATE PARK
WASHINGTON COUNTY, IOWA
LAKE DARLING STATE PARK

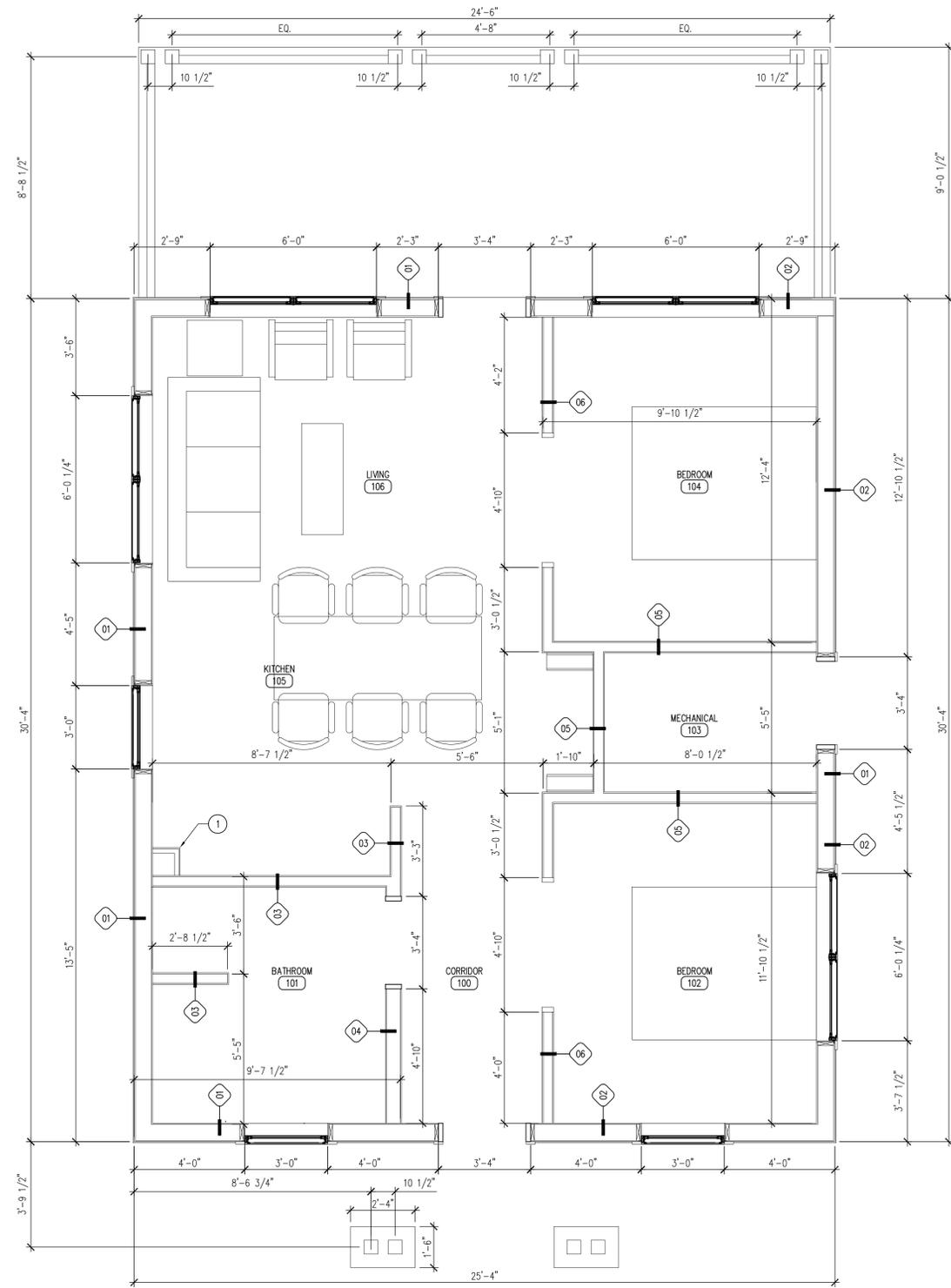
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11.26.2014

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A-100



02 DIMENSION FLOOR PLAN - CABIN "B"
SCALE: 3/8" = 1'-0"



01 DIMENSION FLOOR PLAN - CABIN "A"
SCALE: 3/8" = 1'-0"

KEYNOTES

- 1. FRAMED OUT FOR PLUMBING CHASE AREA.

GENERAL NOTES

- A. REFER TO FINISH SCHEDULE.
- B. REFER TO DOOR SCHEDULE.
- C. REFER TO REFLECTED CEILING PLAN FOR CEILING HEIGHTS.
- D. REFER TO INDEX SHEET FOR WALL TYPES.
- E. FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
- F. FIELD VERIFY EQUIPMENT LOCATIONS FOR ELECTRICAL OUTLET LOCATIONS. REFER TO ELECTRICAL PLAN.
- G. REFER TO FINISH SCHEDULE SHEET FOR COLOR AND MATERIAL SELECTIONS.

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NATURAL RESOURCES**

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502 E. 9TH ST., DES MOINES, IA 50319-0034
P: 515.281.5918
F: 515.281.8685



DIMENSION FLOOR PLANS

TWO BEDROOM CABINS FOR:
LAKE DARLING STATE PARK

WASHINGTON COUNTY, IOWA

LAKE DARLING STATE PARK

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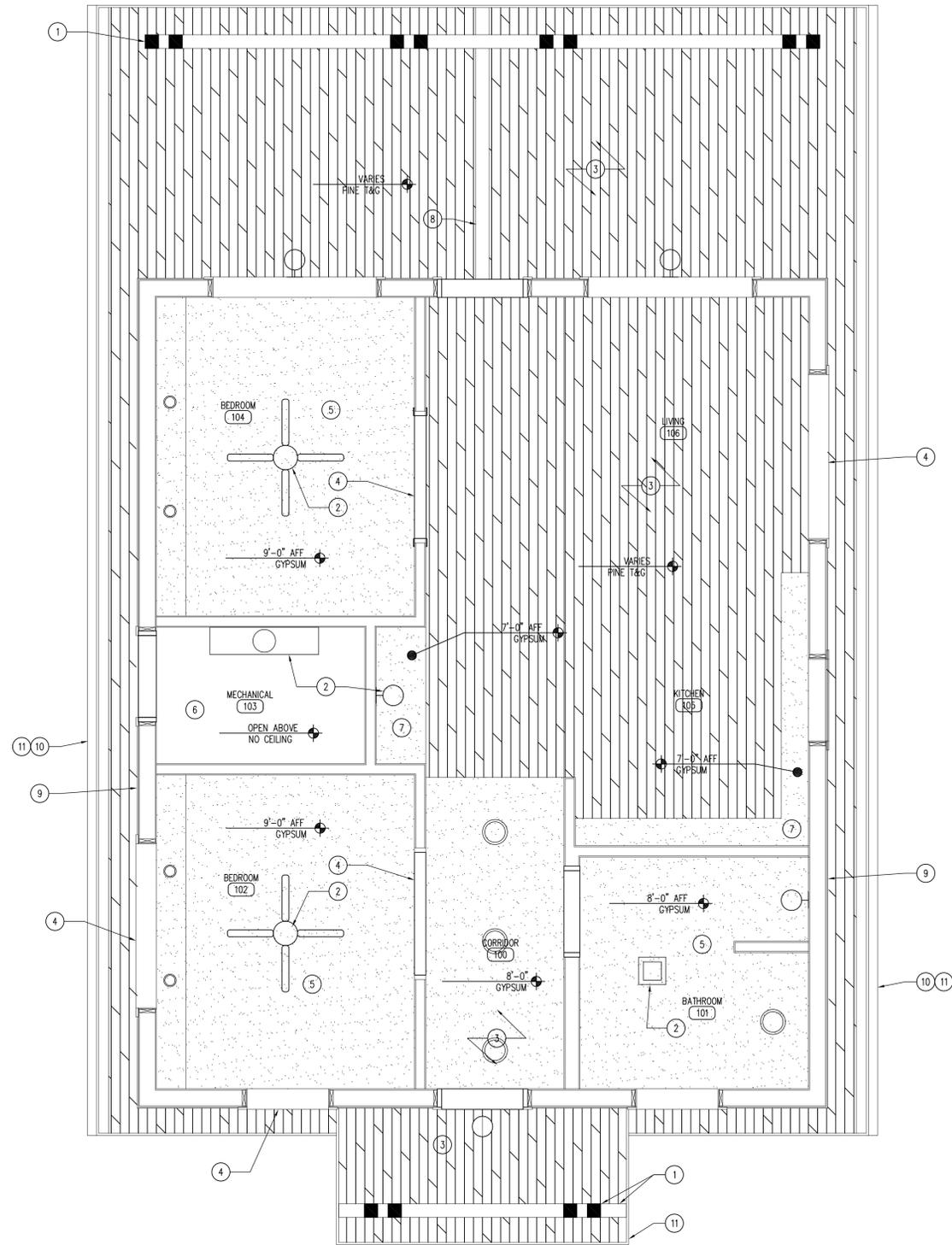
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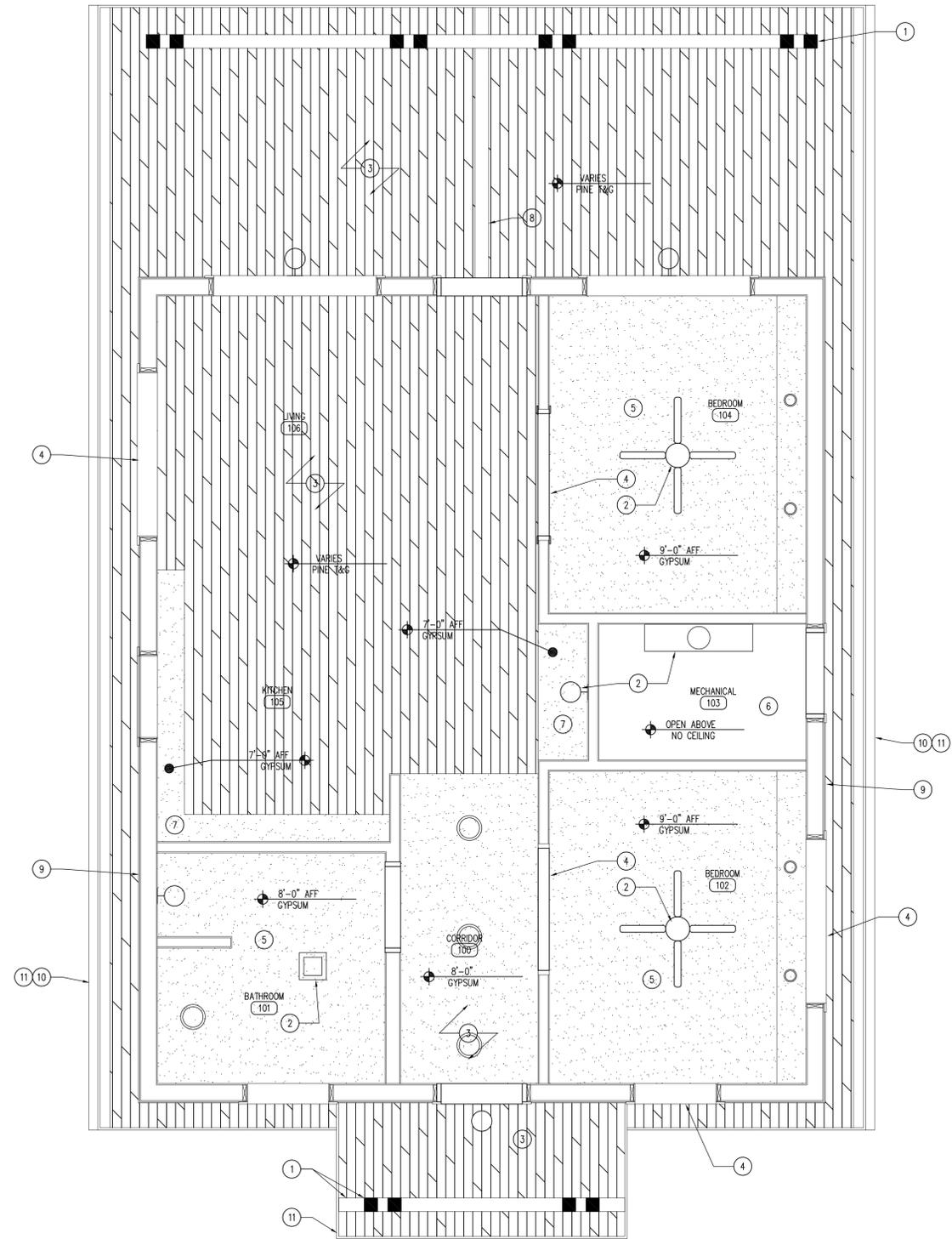
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A-101

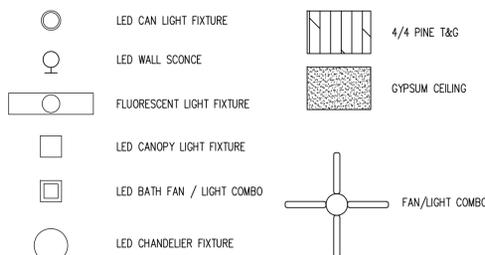


02 REFLECTED CEILING PLAN - CABIN "B"
SCALE: 3/8" = 1'-0"



01 REFLECTED CEILING PLAN - CABIN "A"
SCALE: 3/8" = 1'-0"

LEGEND



KEYNOTES

1. DOUGLAS FIR, ROUGH SAWN, HEAVY TIMBER TRUSS AND COLUMNS.
2. ELECTRICAL LIGHT FIXTURE. REFER TO ELECTRICAL DRAWINGS FOR FIXTURE SPECIFICATIONS AND POWER REQUIREMENTS.
3. 4/4 PINE T&G DECKING WITH TWO COATS OF CLEAR POLYURETHANE.
4. DOOR/WINDOW HEADER WITH TWO COATS OF CLEAR POLYURETHANE.
5. 1/2" GYPSUM CEILING.
6. NO CEILING - OPEN TO STRUCTURE ABOVE.
7. 1/2" GYPSUM SOFFIT.
8. GLUE-LAMINATED RIDGE BEAM BY BUILDING MANUFACTURER.
9. SIP WALL, BY BUILDING MANUFACTURER.
10. GUTTER AND DOWNSPOUT SYSTEM WITH LEAFGUARD, DARK BRONZE.
11. 1X10 CEDAR FASCIA AROUND ENTIRE PERIMETER OF ROOF, TWO COATS TWP 103 DARK OAK.

GENERAL NOTES

- A. MECHANICAL AND ELECTRICAL DEVICES ARE SHOWN FOR COORDINATION PURPOSES ONLY. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS.
- B. REFER TO SHEET A-600 FOR FINISH SCHEDULE.

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REFLECTED CEILING PLANS

TWO BEDROOM CABINS FOR:
LAKE DARLING STATE PARK

WASHINGTON COUNTY, IOWA

LAKE DARLING STATE PARK

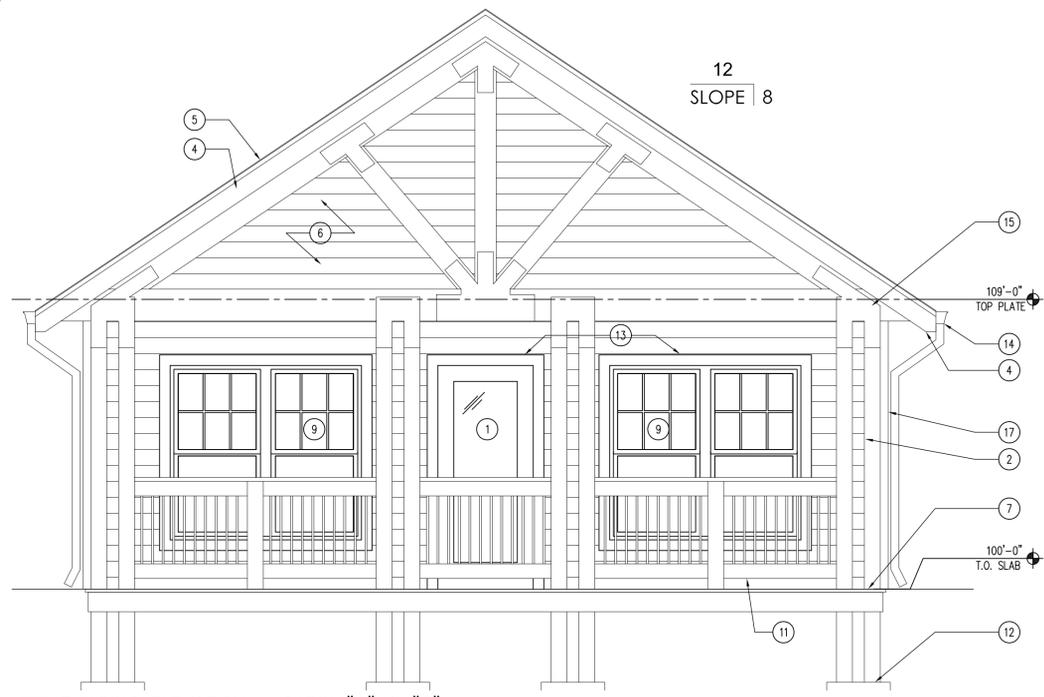
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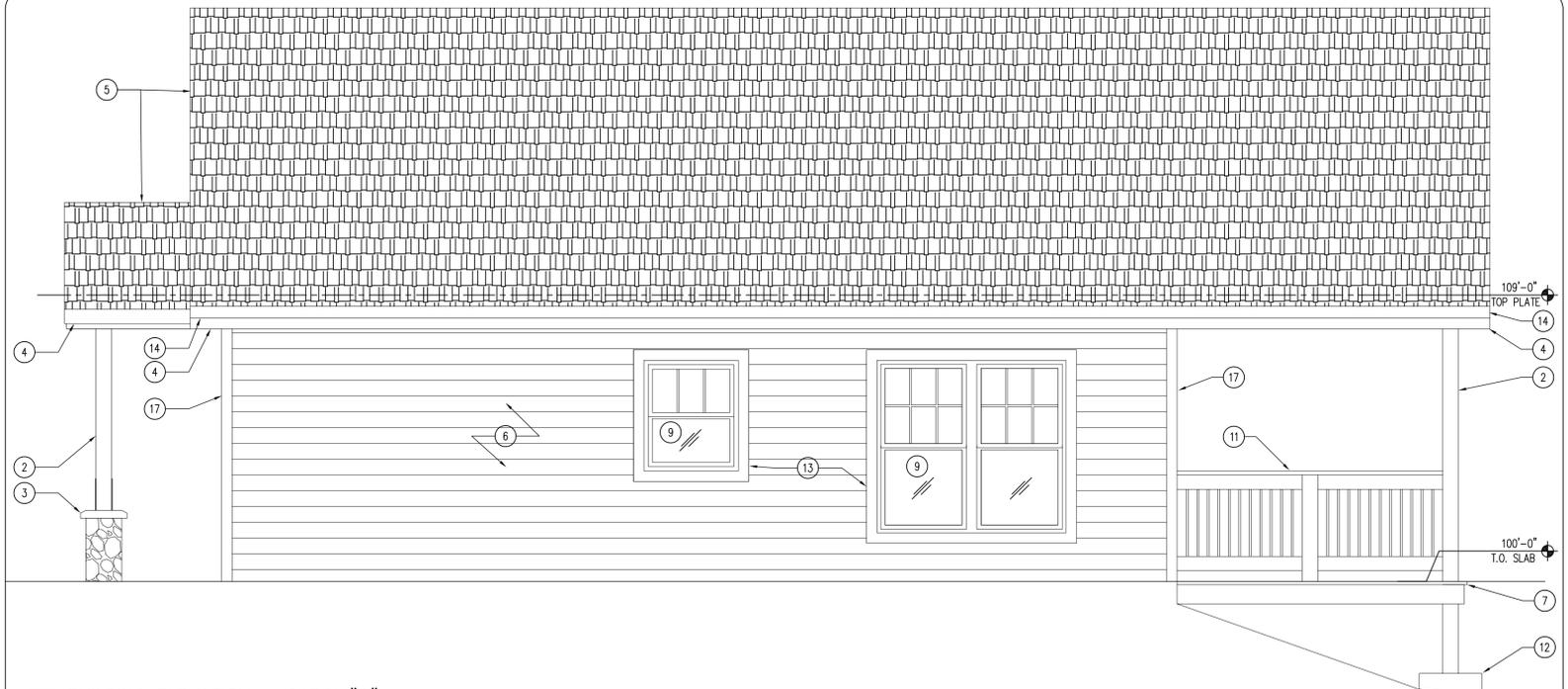
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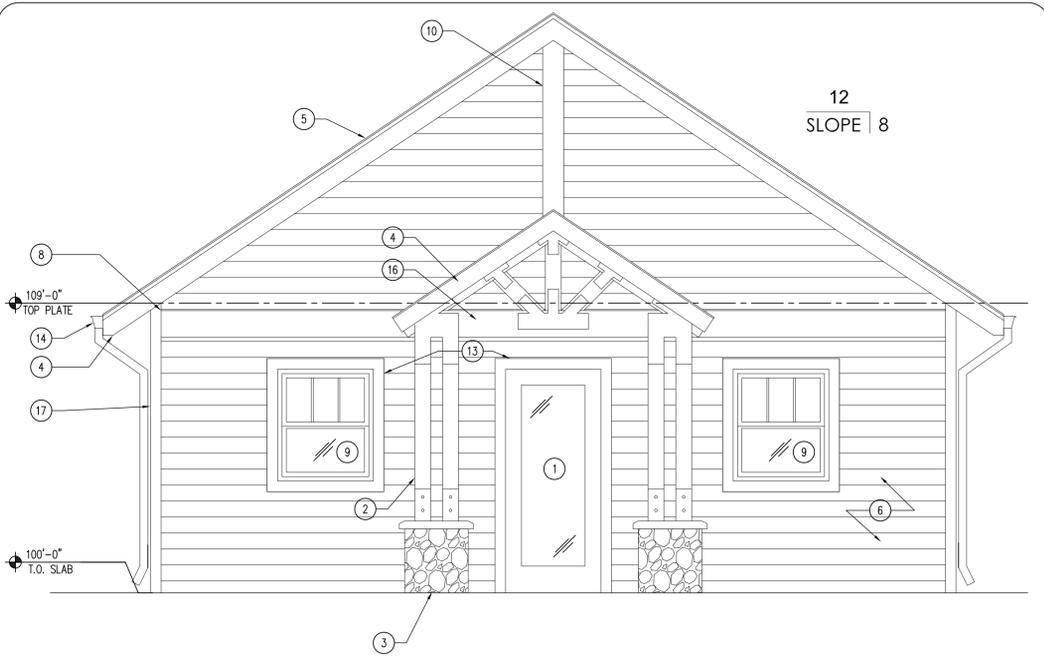
A-110



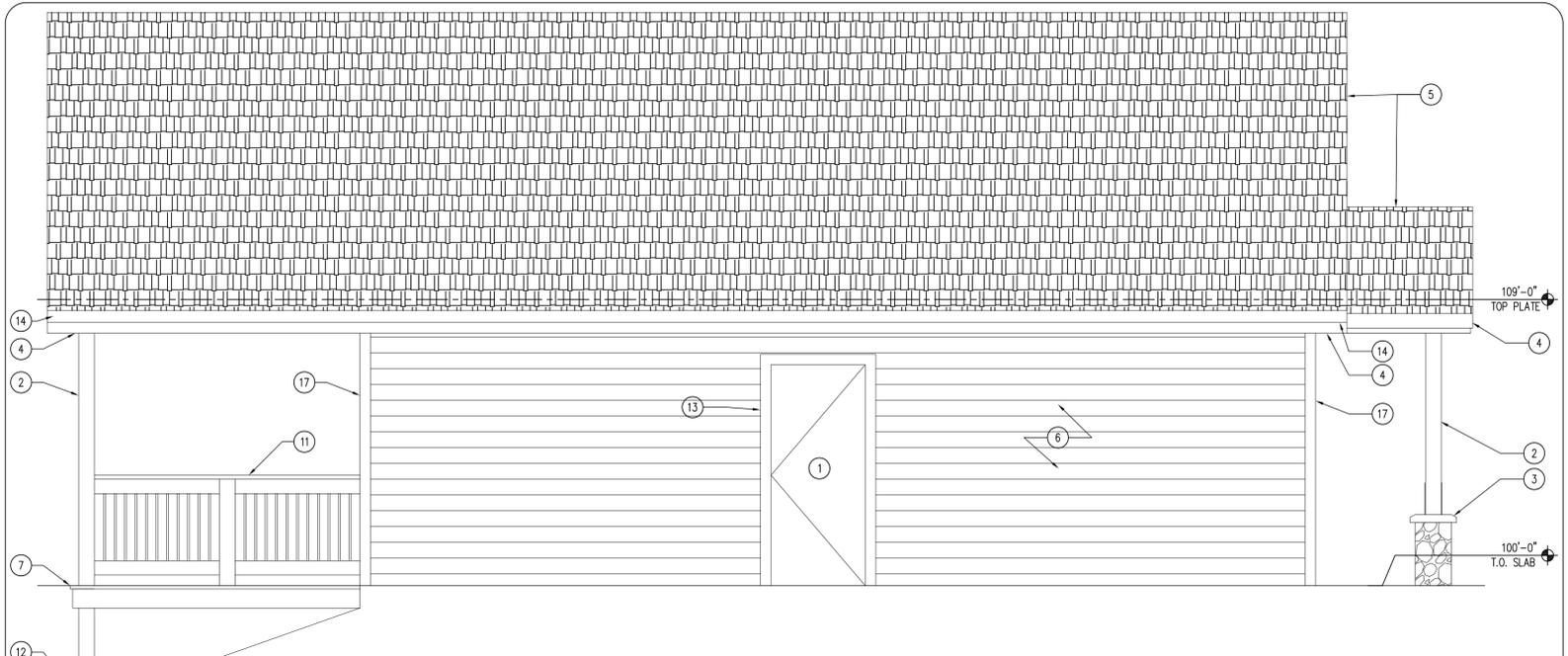
04 BUILDING ELEVATION - CABIN "A" & "B"
SCALE: 3/8" = 1'-0"



03 BUILDING ELEVATION - CABIN "A"
SCALE: 3/8" = 1'-0"



02 BUILDING ELEVATION - BOTH CABINS
SCALE: 3/8" = 1'-0"



01 BUILDING ELEVATION - CABIN "A"
SCALE: 3/8" = 1'-0"

KEYNOTES

1. DOOR AS SCHEDULED, REFER TO DOOR SCHEDULE.
2. 6X6 DOUGLAS FIR ROUGH SAWN COLUMN, STAIN WITH TWP 100 SERIES STAIN, DARK OAK 103.
3. NATURAL STONE COLUMN BASE, WITH 4" INDIANA LIMESTONE CAP, REFER TO DETAIL 10/A-600.
4. 1X10 CEDAR FASCIA TRIM, STAIN WITH TWP 100 SERIES, DARK OAK 103.
5. LANDMARK TL SHINGLES OVER SOLB ROOFING FELT WITH 24" WATER AND ICE SHIELD ON RIDGE AND EAVES, COLOR TO BE WEATHERED WOOD.
6. JAMES HARDIE 8.25" CEDARMILL LAP SIDING. COLOR TIMBER BARK.
7. PT WOOD DECK, STAIN WITH TWP 100 SERIES, DARK OAK 103.
8. LARGE 1X10 HARDIE TRIM HORIZONTAL RUSTIC TRIM BOARD, COLOR TO MATCH SIDING.
9. ANDERSEN 100 SERIES WINDOWS, REFER TO WINDOW SCHEDULE SHEET A-600.
10. NOT USED.
11. PT WOOD DECK RAILING, REFER TO DETAIL 03/A-300.
12. 24" DIAMETER SONO-TUBE CONCRETE COLUMN FOOTING, REFER TO SECTIONS FOR MORE INFORMATION.
13. JAMES HARDIE 5/4X4 RUSTIC TRIM BOARD, PAINT TO MATCH WINDOWS.
14. 6" ALUMINUM GUTTERS AND DOWNSPOUTS, DARK BRONZE.
15. 6X12 DOUGLAS FIR ROUGH SAWN HEAVY TIMBER TRUSS WITH 3/8" STEEL TRUSS CONNECTION PLATES, POWDER-COAT BLACK. STAIN WITH TWP 100 SERIES STAIN, DARK OAK 103.
16. 6X10 DOUGLAS FIR ROUGH SAWN HEAVY TIMBER TRUSS WITH 3/8" STEEL TRUSS CONNECTION PLATES, POWDER-COAT BLACK. STAIN WITH TWP 100 SERIES STAIN, DARK OAK 103.
17. JAMES HARDIE 5/4X4 RUSTIC TRIM, COLOR TO MATCH SIDING.

GENERAL NOTES

- A. FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
- B. FIELD VERIFY EQUIPMENT LOCATIONS FOR ELECTRICAL OUTLET LOCATIONS. REFER TO ELECTRICAL PLAN.
- C. REFER TO FINISH SCHEDULE SHEET A-600 FOR COLOR AND MATERIAL SELECTIONS.
- D. ALL CABINS ARE STRUCTURAL INSULATION PANELS AS BASIS OF DESIGN. HOWEVER, THE PROPOSAL FORM HAS A LINE ITEM FOR ALL CABINS TO BE PRICED AS 2X6 STICK FRAMING WITH 4" OPEN CELL SPRAY FOAM AND VAPOR BARRIER.

CONSULTANT:

IOWA DEPARTMENT OF
NATURAL RESOURCES

ENGINEERING SERVICES - WALLACE BUILDING
502 E. 9TH ST., DES MOINES, IA 50319-0034
P: 515.281.5918
F: 515.281.8685



BUILDING ELEVATIONS

TWO BEDROOM CABINS FOR:
LAKE DARLING STATE PARK

WASHINGTON COUNTY, IOWA
LAKE DARLING STATE PARK

NO.	BY	DATE	REVISION

DRAWN BY: PROJECT NUMBER:
15-06-92-04

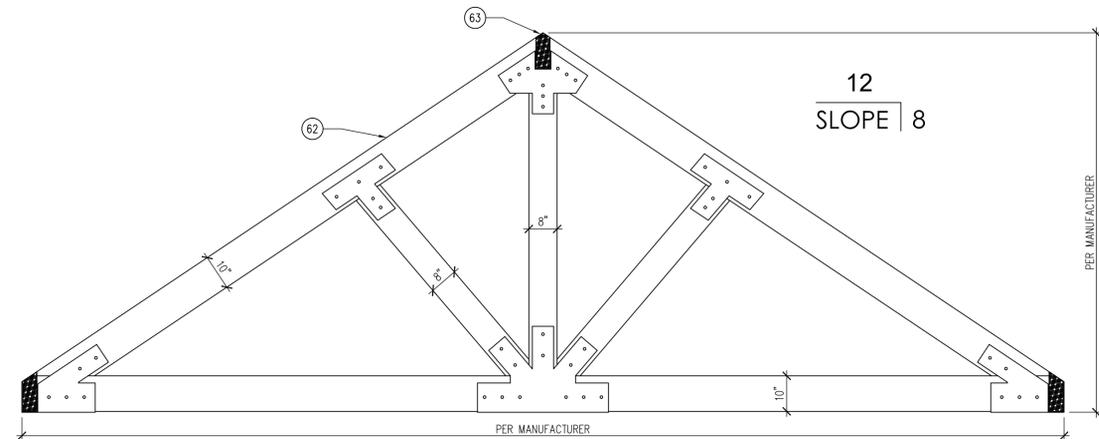
CHK'D BY: DATE:
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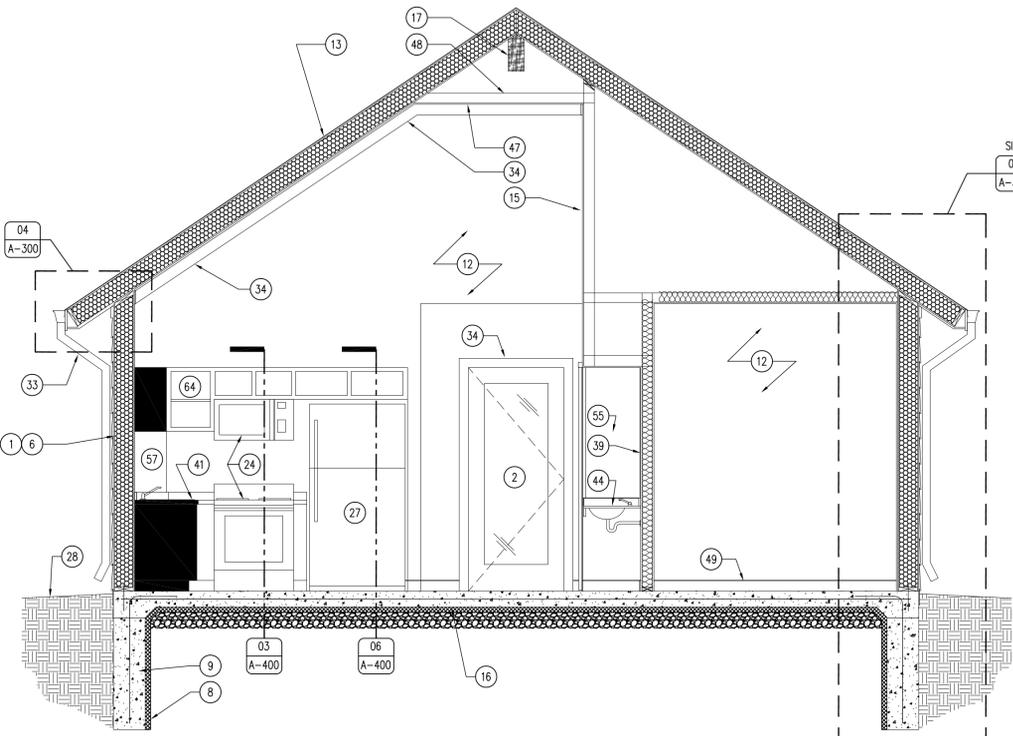
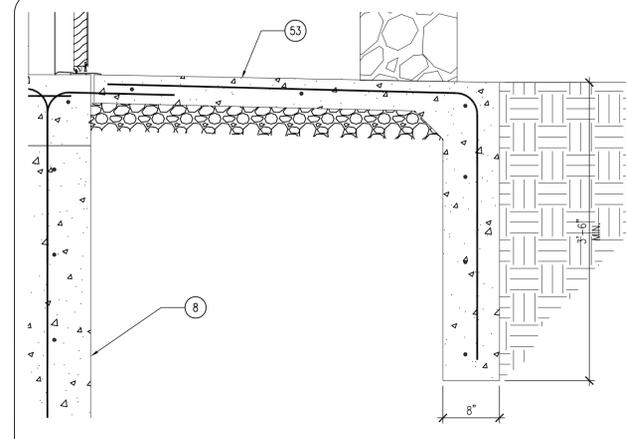
A-200

04 NOT USED
SCALE: 1" = 1'-0"

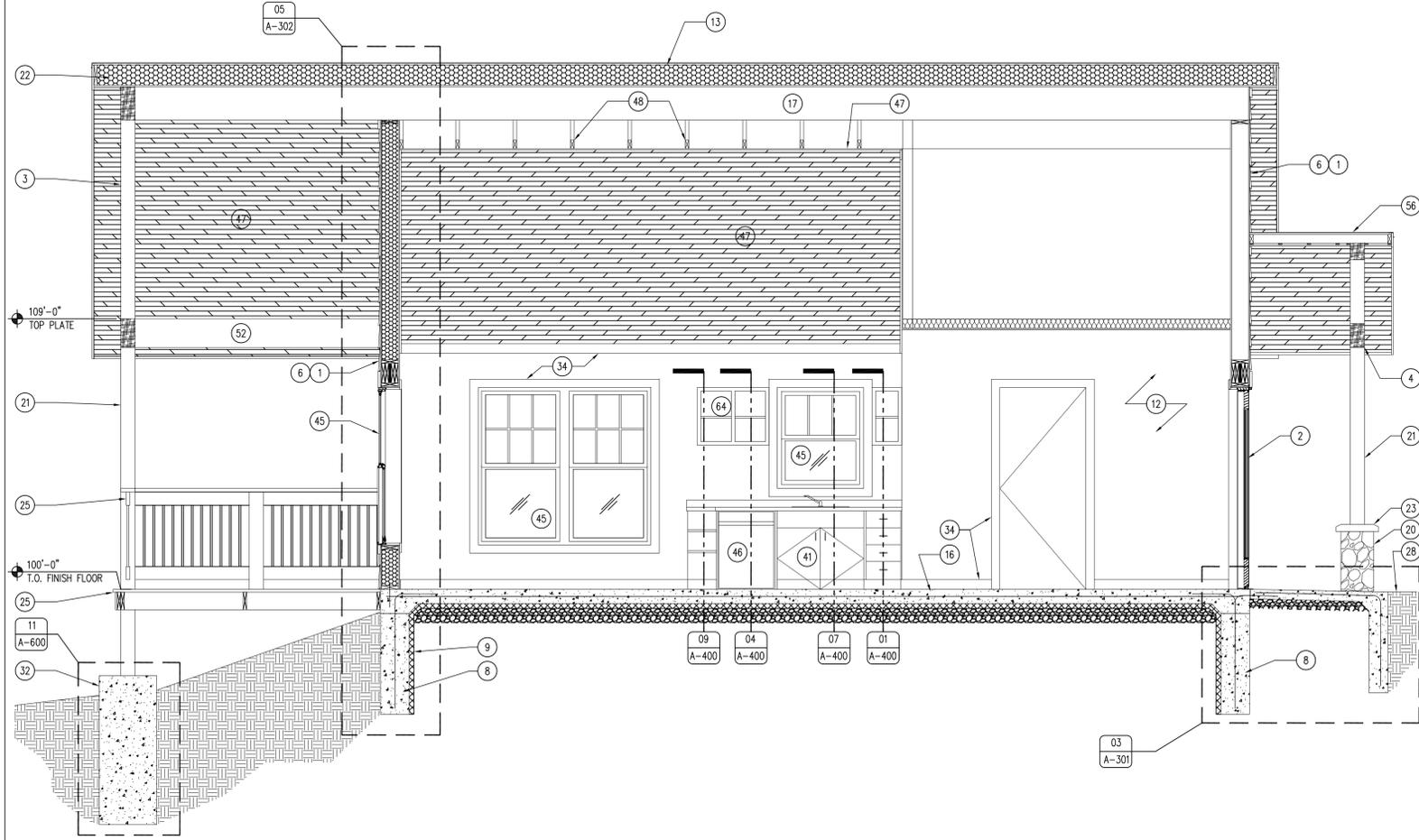
04 TRUSS ELEVATION
SCALE: 1/2" = 1'-0"



03 FOOTING DETAIL - FRONT STOOP
SCALE: 1" = 1'-0"



02 BUILDING SECTION - CABIN "A"
SCALE: 3/8" = 1'-0"



01 BUILDING SECTION - CABIN "A"
SCALE: 3/8" = 1'-0"

KEYNOTES

1. 8.25" HARDIE PLANK, CEDARMILL LAP SIDING BY JAMES HARDIE, COLOR TO BE TIMBER BARK.
2. DOOR AS SCHEDULED. REFER TO SHEET A-600.
3. 6X12 DOUGLAS FIR ROUGH SAWN HEAVY TIMBER TRUSS WITH 3/8" STEEL TRUSS CONNECTION PLATES, POWDER-COATED BLACK. STAIN WITH TWP 100 SERIES STAIN, DARK OAK 103.
4. 6X10 DOUGLAS FIR ROUGH SAWN HEAVY TIMBER TRUSS WITH 3/8" STEEL TRUSS CONNECTION PLATES, POWDER-COATED BLACK. STAIN WITH TWP 100 SERIES STAIN, DARK OAK 103.
5. 2X BLOCKING AS REQUIRED.
6. SIP WALL WITH 1/2" REWALL INTERIOR AND HARDIE PLANK CEDARMILL LAP SIDING ON THE EXTERIOR OVER TYVEK BUILDING WRAP. ALL WINDOWS, DOORS, CORNERS, BOTTOM EDGE OF STRUCTURE AND SOFFIT/GABLE AREA TO RECEIVE 1X4 HARDIE RUSTIC TRIM, COLOR TO BE TIMBER BARK.
7. TOP PLATE WITH SEALANT ON ALL POINTS, PER BUILDING SUPPLIER'S RECOMMENDATIONS.
8. CAST IN PLACE CONCRETE TRENCH FOUNDATION, REFER TO DETAIL 06/A-600.
9. 2" SUB-SLAB RIGID INSULATION UNDER ENTIRE BUILDING SLAB - ASTM C578 TYPE V (40 PSI INSULATION). TAPE AND SEAL ALL JOINTS.
10. 1/2" EXPANSION JOINT WITH SEALANT.
11. SIP SILL PLATE, PER MANUFACTURER'S PLANS.
12. WALL FINISH AS SCHEDULED, REFER TO SHEET A-600.
13. SIP ROOF PANEL, 30LB FELT W/ LANDMARK TL WEATHERED WOOD SHINGLES.
14. ADA ACCESSIBLE DOOR THRESHOLD.
15. PARTITION WALL AS SCHEDULED WITH SOUND BATT INSULATION. SEE SHEET A-101 & A-002.
16. 6" CONCRETE SLAB, CONTINUOUS #4 REBAR 24" O.C. BOTH DIRECTIONS WITH 2" RIGID FOAM INSULATION, VAPOR BARRIER AND 6" SUB-BASE. CONCRETE FLOOR, TWO COATS OF SEALER WITH IN-FLOOR HYDRONIC HEAT. REFER TO ROOM FINISH SCHEDULE AND PLUMBING DRAWINGS.
17. LAMINATED RIDGE BEAM BY SIP MANUFACTURER.
18. METAL FLASHING, MATCH ROOF COLOR.
19. BACKER ROD AND SEALANT.
20. COLUMN BASE, REFER TO DETAIL 10/A-600.
21. ROUGH SAWN DOUGLAS FIR 6X6 COLUMN, STAIN WITH TWP 100 SERIES STAIN, DARK OAK 103.
22. 1X10 CEDAR FASCIA TRIM, STAIN WITH TWP 100 SERIES, DARK OAK 103.
23. 4" INDIANA LESTONE CAP WITH DRIP EDGE.
24. STOVE AND MICROWAVE COMBO BY OWNER.
25. 5/4" PT WOOD DECK AND RAIL, REFER TO DETAIL 03/A-300.
26. MINI-SPLIT SYSTEM CONDENSER UNIT TO BE HUNG AND "L" BRACKETS ATTACHED TO SIDE OF BUILDING. REFER TO MECHANICAL DRAWINGS FOR INFORMATION.
27. REFRIGERATOR BY OWNER.
28. GRADE, REFER TO CIVIL PLANS FOR EXACT ELEVATIONS AND FINISH FLOOR HEIGHTS.
29. JAMES HARDIE 5/4" X 4" RUSTIC TRIM BOARD ALONG EDGE AT FINISH FLOOR AND AROUND WINDOWS.
30. JAMES HARDIE 5/4" X 4" RUSTIC CORNER BOARD ON ALL CORNERS.

31. 1/4" CELLULAR PVC PROTECTION BOARD. COLOR TO MATCH SIDING.
32. 24" DIAMETER SONO-TUBE CAST CONCRETE COLUMN BASE, REFER TO DETAIL 11/A-600.
33. ALUMINUM GUTTER AND DOWNSPOUT SYSTEM (SQUARE PROFILE) WITH LEAFGUARD, DARK BRONZE.
34. HARD MAPLE TRIM, REFER TO DETAIL 03/A-600.
35. 1/4" MAPLE BEADBOARD, TWO COATS CLEAR SATIN POLYURETHANE.
36. ADA COMPLIANT SHOWER/TUB SURROUND, REFER TO PLUMBING DRAWINGS.
37. SIP HEADER, BY MANUFACTURER.
38. LAMINATED RIDGE BEAM BY SIP MANUFACTURER.
39. 1/4" FLAT PLATE GLASS MIRROR, EXTEND FROM WALL TO WALL, FIELD MEASURE.
40. 3/4" HARD MAPLE PLYWOOD CABINET (WD-1) WITH SOLID WOOD DOOR ON CONCEALED HINGES (WD-2). PROVIDE DECORATIVE HARDWARE WIRE PULLS. REFER TO FINISH SCHEDULE.
41. KITCHEN UNDER-COUNTER CABINETS (WD-1) AND COUNTER-TOP (QTZ-1). REFER TO FINISH SCHEDULE A-600.
42. ADA COMPLIANT TOILET, REFER TO PLUMBING DRAWINGS.
43. UNDERMOUNT LAVATORY WITH QUARTZ COUNTER TOP (QTZ-1). REFER TO PLUMBING DRAWINGS AND FINISH SCHEDULE SHEET A-600. CONTRACTOR TO INSTALL SCALD GUARDS AS REQUIRED.
44. ANDERSEN 100 DOUBLE HUNG WINDOWS AS SCHEDULED, REFER TO FINISH SCHEDULE A-600.
45. DISHWASHER BY OWNER, REFER TO PLUMBING DRAWINGS.
46. 4/4 PINE T&G CEILING DECKING, TWO COATS CLEAR POLYURETHANE.
47. 2X4 BRACING.
48. 2X4 BRACING.
49. RUBBER BASE AS SCHEDULED.
50. 2X8 DECK LEDGER WITH SIMPSON FLOOR JOIST HANGERS FOR DECK JOISTS.
51. 2X6 JOISTS FASTENED TO LEDGER AND RIM JOIST WITH SIMPSON ANCHORS.
52. LAMINATED EAVE BEAM BY SIP MANUFACTURER.
53. 6" CONCRETE STOOP, WITH 6" SUBBASE AND 8" TURN-DOWN FOOTING AS SHOWN. #4 REBAR 24" O.C. BOTH DIRECTIONS THROUGHOUT WITH HOOK INTO CABIN STEM WALL.
54. ALUMINUM DRIP EDGE, COLOR TO MATCH GUTTERS.
55. HARD MAPLE PLYWOOD OPEN SHELVING, REFER A-400 FOR MORE DETAILS.
56. ENTRY CANOPY ROOF.
57. BOXED OUT SOFFIT.
58. PLUMBING CHASE, USE 2X CONSTRUCTION, SHEATH IN REWALL, FINISH LIKE SURROUNDING.
59. 2X4 ROOF STRUCTURE FOR CANOPY.
60. 1X NAILERS.
61. 3/4" ROOF SHEATHING WITH 30# FELT AND CERTAINTED LANDMARK TL WEATHERED WOOD SHINGLES.
62. HEAVY DOUGLAS FIR, ROUGH SAWN TIMBER TRUSS. ALL GUSSET PLATES AND HARDWARE TO BE OVERSIZED AS SHOWN AND POWDER COATED BLACK. EXACT DIMENSIONS AND DESIGN TO BE DETERMINED BY BUILDING SUPPLIER, SUBMIT SHOP DRAWINGS FOR AESTHETIC APPROVAL.
63. LAMINATED RIDGE OR EAVE BEAM, BY BUILDING SUPPLIER.
64. 3/4" HARD MAPLE PLYWOOD CABINET (WD-1) WITH 3/4" SOLID WOOD FACEFRAME, NO DOOR.

GENERAL NOTES

- A. REFER TO FINISH SCHEDULE, SHEET A-600.
- B. REFER TO DOOR SCHEDULE, SHEET A-600.
- C. REFER TO REFLECTED CEILING PLAN FOR CEILING HEIGHTS, SHEET A-110.
- D. REFER TO INDEX SHEET FOR WALL TYPES, SHEET A-002.
- E. FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION, SHEET A-101.
- F. FIELD VERIFY EQUIPMENT LOCATIONS FOR ELECTRICAL OUTLET LOCATIONS. REFER TO ELECTRICAL PLAN.
- G. REFER TO FINISH SCHEDULE SHEET FOR COLOR AND MATERIAL SELECTIONS, SHEET A-600.
- H. CONTRACTOR TO HAVE THIS BUILDING, PRIOR TO CONSTRUCTION, PRE-ENGINEERED BY BUILDING SUPPLIER. MUST HAVE ENGINEER'S SIGNATURE & SEAL ON SUBMITTED DRAWINGS.
- I. CABIN "B" IS A MIRROR IMAGE OF CABIN "A", MIRROR SECTION DRAWINGS FOR CABIN "B".
- J. ALL CABINS ARE STRUCTURAL INSULATION PANELS AS BASIS OF DESIGN, HOWEVER, THE PROPOSAL FORM HAS A LINE ITEM FOR ALL CABINS TO BE PRICED AS 2X6 STICK FRAMING WITH 4" OPEN CELL SPRAY FOAM AND VAPOR BARRIER.

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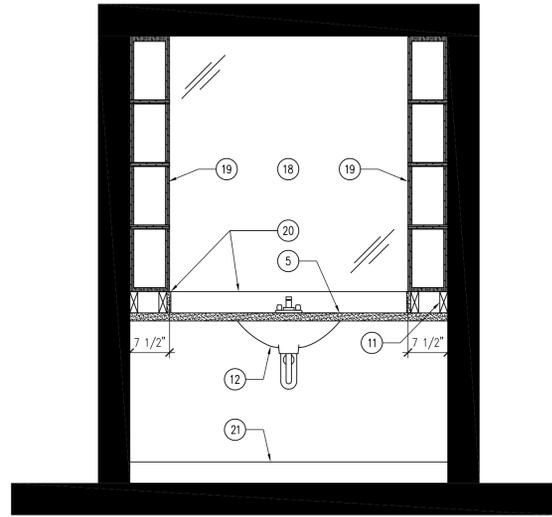


BUILDING SECTIONS
TWO BEDROOM CABINS FOR:
LAKE DARLING STATE PARK
WASHINGTON COUNTY, IOWA

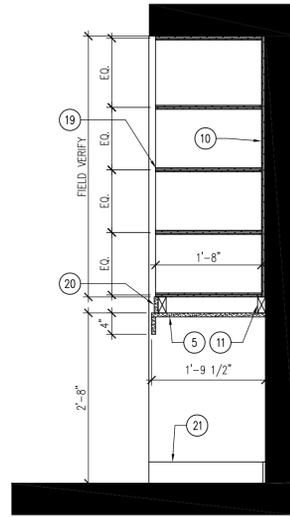
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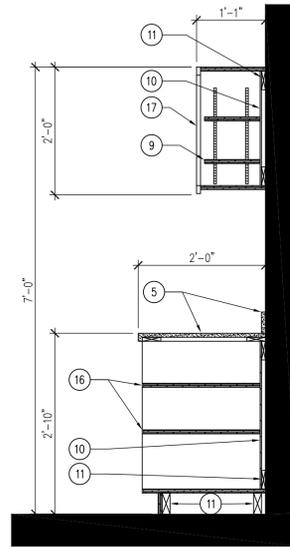
A-301



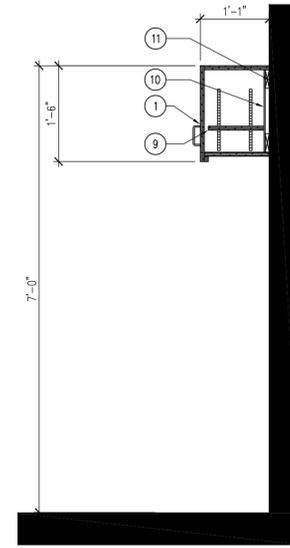
11 VANITY MILLWORK SECTION
SCALE: 3/4" = 1'-0"



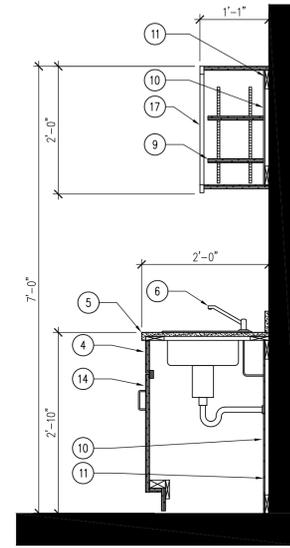
10 VANITY MILLWORK SECTION
SCALE: 3/4" = 1'-0"



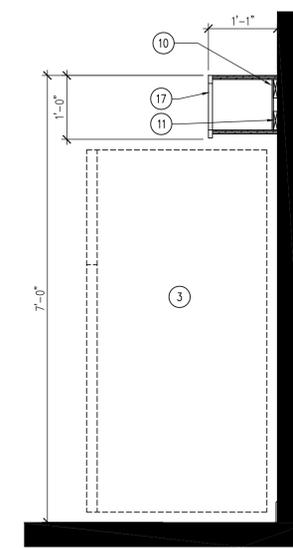
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SCALE: 3/4" = 1'-0"



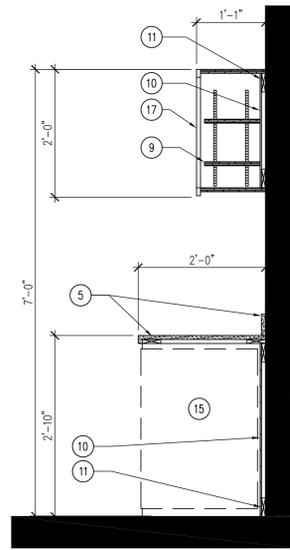
08 MILLWORK SECTION
SCALE: 3/4" = 1'-0"



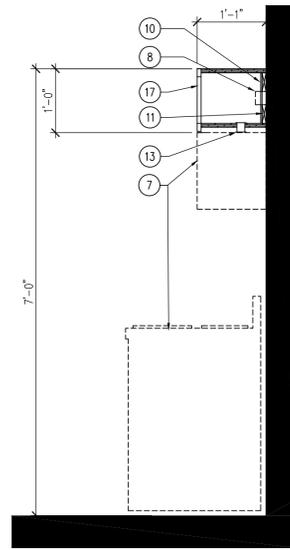
07 MILLWORK SECTION
SCALE: 3/4" = 1'-0"



06 MILLWORK SECTION
SCALE: 3/4" = 1'-0"



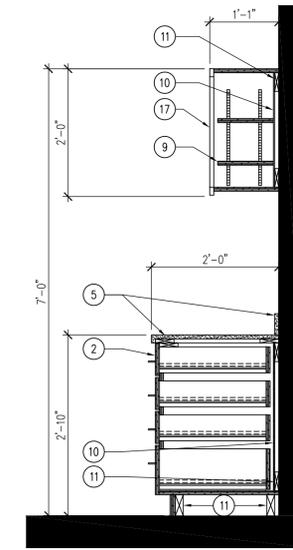
04 MILLWORK SECTION
SCALE: 3/4" = 1'-0"



03 MILLWORK SECTION
SCALE: 3/4" = 1'-0"



02 NOT USED
SCALE: 3/4" = 1'-0"



01 MILLWORK SECTION
SCALE: 3/4" = 1'-0"

05 NOT USED
SCALE: 1/2" = 1'-0"

KEYNOTES

- 3/4" HARDWOOD DOOR ON CONCEALED HINGES (WD-2). PROVIDE DECORATIVE HARDWARE WIRE PULLS, REFER TO FINISH SCHEDULE SHEET A-600.
- 3/4" HARDWOOD DRAWER FACE ON UNDERMOUNT SLIDES (WD-2). PROVIDE DECORATIVE HARDWARE WIRE PULLS, REFER TO FINISH SCHEDULE SHEET A-600.
- REFRIGERATOR, BY OWNER.
- 3/4" HARDWOOD VALENCE (WD-2). REFER TO FINISHED SCHEDULE SHEET A-600.
- 1 1/2" QUARTZ COUNTER TOP WITH BACKSPLASH (QTZ-1). REFER TO FINISH SCHEDULE SHEET A-600.
- DOUBLE BASIN STAINLESS STEEL UNDERMOUNT SINK AS SHOWN. REFER TO PLUMBING DRAWINGS.
- MICROWAVE AND STOVE COMBINATION SET, BY OWNER.
- ELECTRICAL OUTLET, REFER TO ELECTRICAL DRAWINGS.
- 3/4" PLYWOOD SHELF WITH HARDWOOD VENEER (WD-1) AND 1/4" HARDWOOD EDGE-BANDING. PROVIDE ADJUSTABLE HARDWARE.
- 1/4" PLYWOOD BACKER BOARD WITH HARDWOOD VENEER (WD-1).
- 2X WOOD BLOCKING AS NEEDED.
- UNDERMOUNT LAVATORY, REFER TO PLUMBING DRAWINGS.
- GROMMET HOLE AND PLASTIC GROMMET, SIZE ACCORDING TO MICROWAVE MANUFACTURER'S RECOMMENDATIONS.
- ADA COMPLIANT UNDER SINK DOORS ON CONCEALED HINGES (WD-2). PROVIDE DECORATIVE HARDWARE WIRE PULLS, REFER TO FINISH SCHEDULE SHEET A-600.
- DISHWASHER BY OWNER.
- 3/4" PLYWOOD SHELF WITH HARDWOOD VENEER (WD-1) AND 1/4" HARDWOOD EDGE-BANDING.
- SOLID 3/4" HARDWOOD FACEFRAME AROUND ENTIRE PERIMETER OF CABINET, NO DOOR.
- FRAMELESS PLATE GLASS MIRROR.
- 3/4" MAPLE PLYWOOD "CUBBY-HOLE" SHELVES (WD-1) WITH 1/4" HARD MAPLE EDGE-BANDING.
- 3/4" QUARTZ BACKSPLASH TO MATCH COUNTER.
- HARD MAPLE BASE, REFER TO A-600 FOR DETAILS.

GENERAL NOTES

- REFER TO SHEET A-101 FOR WALL TYPE DESIGNATIONS
- REFER TO SHEET A-002 FOR WALL TYPES
- REFER TO SHEET A-600 FOR FINISH SCHEDULE.
- REFER TO SHEET A-600 FOR DOOR SCHEDULE.
- REFER TO SHEET A-600 FOR WINDOW SCHEDULE.
- ALL PLYWOOD PRODUCTS TO HAVE NO ADDED UREA-FORMALDEHYDE (NAUF).
- ALL PLYWOOD CABINETS, DOOR AND DRAWER SURFACES TO HAVE A NO VOLATILE ORGANIC COMPOUND (NO-VOC) TRANSPARENT SATIN FINISH.

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MILLWORK SECTIONS

TWO BEDROOM CABINS FOR:
LAKE DARLING STATE PARK

WASHINGTON COUNTY, IOWA

LAKE DARLING STATE PARK

NO. BY DATE REVISION

DRAWN BY: PROJECT NUMBER:

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CHK'D BY: DATE:

11.26.2014

SHEET No:

A-400

MECHANICAL SYMBOLS

	COLD WATER
	HOT WATER SUPPLY
	SOIL, WASTE, OR SANITARY SEWER BELOW FLOOR OR GRADE
	DRAIN
	CONDENSATE DRAIN ABOVE FLOOR OR GRADE
	VENT ABOVE FLOOR OR GRADE
	REFRIGERANT LINE
	LOW TEMPERATURE HOT WATER SUPPLY
	LOW TEMPERATURE HOT WATER RETURN
	FLOOR DRAIN - TYPE AND SIZE AS NOTED
	HOSE BIBB - TYPE AS NOTED
	LOCATION OF THERMOSTAT/ROOM TEMPERATURE SENSOR +48" OR AS NOTED
	EXHAUST DUCT UP
	EXHAUST DUCT DOWN
	RECTANGULAR TO ROUND DUCT TRANSITION
	90 DEGREE MITERED ELBOW
	90 DEGREE MITERED ELBOW WITH TURNING VANES
	90 DEGREE RADIUS ELBOW
	90 DEGREE RADIUS ELBOW WITH TURNING VANES
	EQUIPMENT TAG
	NEW DUCTWORK
	NOTE REFERENCE

NOTE: NOT ALL SYMBOLS APPLY TO THIS PROJECT.

	UNION
	AIR VENT - MANUAL
	AIR VENT - AUTOMATIC
	THERMOMETER WITH GAGE COCK
	PRESSURE GAUGE WITH GAGE COCK
	STRAINER
	REDUCED PRESSURE BACKFLOW PREVENTER
	WATER HAMMER ARRESTOR - SIZE AS NOTED
	CHECK VALVE
	RISER DOWN (ELBOW)
	RISER DOWN (TEE)
	RISER UP (ELBOW)
	NEW PIPING
	SHUT OFF VALVE (BALL, BUTTERFLY, ETC. REFER TO SPECS)

NOTE: NOT ALL SYMBOLS APPLY TO THIS PROJECT.

MECHANICAL ABBREVIATIONS

ABSOR	ABSORPTION	EQUIP	EQUIPMENT	LDBT	LEAVING DRY BULB TEMPERATURE
ACU	AIR CONDITIONING UNIT	EST	EXTERNAL STATIC PRESSURE	LWT	LEAVING WATER TEMPERATURE
AD	ACCESS DOOR OR AREA DRAIN	EWBT	ENTERING WET BULB TEMPERATURE	LWBT	LEAVING WET BULB TEMPERATURE
AFF	ABOVE FINISHED FLOOR	EWC	ELECTRIC WATER COOLER	MB	MOP BASIN
AFG	ABOVE FINISHED GRADE	EWT	ENTERING WATER TEMPERATURE	MBH	1000 BTUH
AHU	AIR HANDLING UNIT	EX	EXISTING	MC	MECHANICAL CONTRACTOR
AV	AIR VENT	EXH	EXHAUST	MECH	MECHANICAL
BOT	BOTTOM	EXP	EXPANSION	MH	MANHOLE
BTU	BRITISH THERMAL UNIT	FAI	FRESH AIR INTAKE	NTS	NOT TO SCALE
BTUH	BTU PER HOUR	FCU	FAN COIL UNIT	OA	OUTSIDE AIR
CA	COMPRESSED AIR	FD	FLOOR DRAIN	OD	OVERFLOW ROOF DRAIN
CB	CATCH BASIN	FLEX	FLEXIBLE	PSI	POUNDS PER SQUARE INCH
CENT	CENTRIFUGAL	FLR	FLOOR	PRV	POWER ROOF VENTILATOR
CFM	CUBIC FEET PER MINUTE	FPM	FEET PER MINUTE	PRV	PRESSURE REDUCING VALVE
CI	CAST IRON	FPS	FEET PER SECOND	PV	PRESSURE VENT
CL	CENTER LINE	FS	FLOOR SINK	PVC	POLYVINYL CHLORIDE
COND	CONDENSATE	FT	FINTUBE	RA	RETURN AIR
CO	CLEAN OUT	FTG	FOOTING	RD	ROOF DRAIN
CONC	CONCRETE	GA	GAGE	RH	RELATIVE HUMIDITY
CONTR	CONTRACTOR	GAL	GALLON	RTU	ROOF TOP UNIT
CP	CONDENSATE PUMP	GALV	GALVANIZED	RV	RELIEF VALVE
CU	COPPER	GC	GENERAL CONTRACTOR	SK	SINK
CUH	CABINET UNIT HEATER	GPH	GALLONS PER HOUR	SA	SUPPLY AIR
CWP	CIRCULATING WATER PUMP	GPM	GALLONS PER MINUTE	SH	SHOWER
DDC	DIRECT DIGITAL CONTROLS	H	WALL HYDRANT	SP	STATIC PRESSURE
DN	DOWN	HR	HOUR	TCC	TEMPERATURE CONTROL CONTRACTOR
DR	DRAIN	HTG	HEATING	TYP	TYPICAL
DS	DOWNSPOUT	HB	HOSE BIBB	UC	UNDER CUT DOOR (3/4")
EA	EXHAUST AIR	ISP	INTERNAL STATIC PRESSURE	UH	UNIT HEATER
EAT	ENTERING AIR TEMPERATURE	JR	JANITOR RECEPTOR	UR	URINAL
EC	ELECTRICAL CONTRACTOR	LAV	LAVATORY	UV	UNIT VENTILATOR
EDBT	ENTERING DRY BULB TEMPERATURE			VTR	VENT THROUGH ROOF
EF	EXHAUST FAN			WC	WATER CLOSET
EJ	EXPANSION JOINT			WH	WATER HEATER

NOTE: NOT ALL ABBREVIATIONS APPLY TO THIS PROJECT.

HVAC GENERAL NOTES

MECHANICAL CONTRACTOR TO PROVIDE A COMPLETE HVAC SYSTEM, INCLUDING EXHAUST DUCTWORK, MECHANICAL EQUIPMENT, SUPPORTS, HANGERS AND ALL APPURTENANCES. INSTALL ALL EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. INSTALL SYSTEM TO MEET ALL CITY AND STATE CODES AND REQUIREMENTS.

DRAWING PLANS, SCHEMATICS, AND DIAGRAMS INDICATE GENERAL LOCATION AND ARRANGEMENT OF DUCT SYSTEM. INDICATED DUCT LOCATIONS, CONFIGURATIONS, AND ARRANGEMENTS WERE USED TO SIZE DUCTS AND CALCULATE FRICTION LOSS FOR AIR-HANDLING EQUIPMENT SIZING AND FOR OTHER DESIGN CONSIDERATIONS.

ALL DUCT DIMENSIONS LISTED ARE INTERIOR FREE AREA DUCT DIMENSIONS AND DO NOT INCLUDE INSULATION REQUIREMENTS. CONTRACTOR MUST INCREASE DUCT SIZES ACCORDINGLY TO ACCOMMODATE DUCT LINER.

PLUMBING GENERAL NOTES

MECHANICAL CONTRACTOR TO PROVIDE A COMPLETE PLUMBING SYSTEM, INCLUDING, PIPE, INSULATION, HANGERS, SUPPORTS, EQUIPMENT, WATER HEATERS, FIXTURES, MIXING VALVES, VALVES, AND ALL APPURTENANCES. INSTALL ALL EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. SIZE AND INSTALL SYSTEM PER PLUMBING CODE. COMPLY WITH ALL LOCAL AND STATE CODES AND REQUIREMENTS.

DRAWING PLANS, SCHEMATICS, AND DIAGRAMS INDICATE GENERAL LOCATION AND ARRANGEMENT OF PLUMBING SYSTEM.

MECHANICAL GENERAL NOTES

COORDINATE LOCATION/INSTALLATION OF MECHANICAL AND ELECTRICAL WORK WITH ALL OTHER TRADES. NO ASPECT OF A SYSTEM INSTALLATION OR ITS ROUGH-IN SHALL COMMENCE UNTIL PROPER AND TIMELY COORDINATION WITH ALL TRADES ASSOCIATED WITH THE INSTALLATION HAS TRANSPIRED. ITEMS TO BE COORDINATED SHALL INCLUDE BUT NOT BE LIMITED TO: BUILDING STRUCTURE, SHEET METAL, ALL PIPING SYSTEMS, LIGHT FIXTURES, CONDUITS, ETC. REFER TO ALL GENERAL, MECHANICAL, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.

INCORPORATE INTO INSTALLATION MECHANICAL SPECIFICATIONS, DRAWINGS, STATE AND LOCAL CODES, AND OTHER APPLICABLE REQUIREMENTS.

ON COMPLETION OF THE INSTALLATION, MECHANICAL CONTRACTOR SHALL COOPERATE WITH THE OWNER TO PROVIDE ANY NECESSARY ADJUSTING AND BALANCING TO OBTAIN PROPER OPERATION OF ALL EQUIPMENT AND SYSTEMS. CONTRACTOR SHALL PROVIDE ALL FACILITIES AND EQUIPMENT, AND MAKE ALL TESTS, REQUIRED FOR ADJUSTMENTS AND BALANCING TO ESTABLISH THE PROPER PERFORMANCE OF ANY PIECE OF EQUIPMENT.

PIPING SHALL NOT BLOCK CLEARANCES TO MECHANICAL EQUIPMENT. INSTALLING CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATING PIPING IF ACCESS CLEARANCES ARE OBSTRUCTED.

MECHANICAL WARRANTY NOTES

MECHANICAL CONTRACTOR SHALL WARRANT ALL EQUIPMENT AND INSTALLATION FOR A MINIMUM OF 1 YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION. AIR CONDITIONING REFRIGERATION SYSTEMS SHALL BE WARRANTED FOR A MINIMUM OF 5 YEARS (PARTS ONLY), NON-PRORATED, FROM THE DATE OF SUBSTANTIAL COMPLETION. THE WARRANTY SHALL APPLY TO COMPRESSORS, EVAPORATORS, AND CONDENSER COILS, HIGH AND LOW SIDE PIPING AND PIPING SPECIALTIES WHICH SHALL INCLUDE EXPANSION AND SOLENOID VALVES, RELIEF VALVES, FILTER-DRYER, AND SIGHT GLASSES. PRESSURE GAUGES AND PRESSURE SWITCHES ARE NOT UNDER THE EXTENDED WARRANTY EXCEPT FOR LOSS OF REFRIGERANT AND CONSEQUENTIAL DAMAGE TO THE SYSTEM WHICH WILL BE AN EXTENDED WARRANTY OBLIGATION. ALL DEFECTS THAT BECOME APPARENT WITHIN THE WARRANTY PERIOD SHALL BE REPAIRED BY THE MECHANICAL CONTRACTOR AS DIRECTED BY THE ENGINEER THROUGH THE OWNERS REPRESENTATIVE. WARRANTY WILL NOT OBLIGATE THE MECHANICAL CONTRACTOR TO REPAIR DAMAGE RESULTING FROM ACCIDENT OR IMPROPER OPERATION OF CARE ON THE PART OF THE OWNER AND NOT DUE TO DEFECTIVE MATERIAL. REFER TO SPECIFICATIONS FOR ADDITIONAL DETAILS AND OTHER WARRANTY INFORMATION.

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MECHANICAL SYMBOLS & NOTES

TWO BEDROOM CABINS FOR: LAKE DARLING STATE PARK

WASHINGTON COUNTY, IOWA

LAKE DARLING STATE PARK

NO. BY REVISION

DRAWN BY: PROJECT NUMBER:
CB 15-06-92-01

CHK'D BY: DATE:
MTL 11.26.2014

SHEET No:

M0.0

CONSULTANT:

KCL Engineering
218 1/2 5th St.
West Des Moines, Iowa 50265
info@kclengineering.com
515.724.7938

