North Pillar Brewing

212 E. North Street
Waukesha, WI

CONSTRUCTION DOCUMENTS

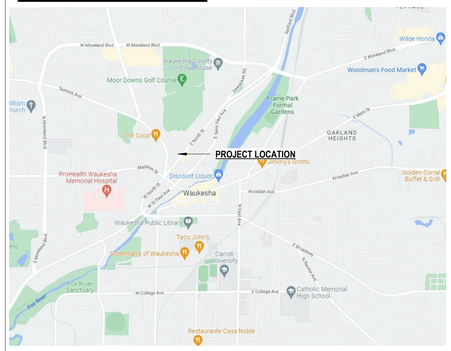
ABBREVIATIONS

AC	AIR CONDITIONING	FGL	FIBERGLASS	PREFAB	PREFABRICATED
ACS	ACCESS PANEL	FHC	FIRE HOSE CABINET	PRELIM	PRELIMINARY
ACT	ACOUSTICAL CEILING TILE	FN	FINISH	PRKG	PARKING
ADDM	ADDENDUM	FIXT	FIXTURE	PSF	POUNDS PER SQUARE FOOT
ADJ	ADJUSTABLE	FL	FLOOR LINE	PT	PAINT
ADO	AUTOMATIC DOOR OPERATOR	FLR	FLOOR	PTD	PAPER TOWEL DISPENSER
AFF	ABOVE FINISH FLOOR	FLUOR	FLUORESCENT	PTDR	PAPER TOWEL DISPENSER WITH
ATL	ALTERNATE	FO	FACE OF (ITEM)		RECEPTACLE
ALUM	ALUMINUM	FOF	FACE OF FINISH	PTM	PAINT TO MATCH
ANOD	ANODIZED	FOM	FACE OF MASONRY		
APPROX	APPROXIMATE	FP	FIRE PROOF, FIRE PROTECTION	QT	QUARRY TILE
ARCH	ARCHITECT	FR	FRAME		
AUX	AUXILIARY	FT	FOOT OR FEET	R	RADIUS
AVG	AVERAGE	FTG	FOOTING	R	RISER
		FURG	FURRING	RA	RETURN AIR
BD	BOARD	FV	FIELD VERIFY	RD	ROOF DRAIN
BITUM	BITUMINOUS			REF	REFRIGERATOR
BLDG	BUILDING	GA	GAGE	REFL	REFLECTED
BLKG	BLOCKING	GAL	GALVANIZED	REINF	REINFORCED
BLKHD	BULKHEAD	GB	GRAB BAR	REQD	REQUIRED
BM	BEAM	GC	GENERAL CONTRACTOR	REV	REVISION
BO_	BOTTOM OF (ITEM)	GL	GLASS	RFI	REQUEST FOR INFORMATION
BO	BY OTHERS	GYP BD	GYPSUM BOARD	RM	ROOM
BS	BOTH SIDES			RO	ROUGH OPENING
BT JNT	BUTT JOINT	HB	HOSE BIB	ROW	RIGHT OF WAY
BTWN	BETWEEN	HDW	HARDWARE	RTU	ROOF TOP UNIT
		HDWD	HARDWOOD		
CAS	CARD ACCESS SYSTEM	HM	HOLLOW METAL	SAB	SOUND ATTENUATION BATTS
CB	CATCH BASIN	HORZ	HORIZONTAL	SAG	SUPPLY AIR GRILL
CF/CI	CONTRACTOR	HP	HORSE POWER	SC	SOLID CORE
	FURNISHED/CONTRACTOR	HR	HOUR	SCHED	SCHEDULE
	INSTALLED	HTR	HEATER	SD	SOAP DISPENSER
CG	CORNER GUARD	HVAC	HEATING, VENTILATION & AIR	SECT	SECTION
CH	COAT HOOK		CONDITIONING	SHR	SHOWER
CJ	CONTROL JOINT			SHT	SHEET
CL	CENTER LINE	ID	INSIDE DIAMETER	SHT MTL	SHEET METAL
CLG	CEILING	IN	INCH	SHV	SHELF, SHELVING
CLO	CLOSET	INCL	INCLUDE, INCLUDING	SIM	SIMILAR
CLR	CLEAR	INT	INTERIOR	S&P	SHELF & POLE
CMU	CONCRETE MASONRY UNIT			SPEC	SPECIFICATION
CO	CASED OPENING	JAN	JANITOR	SPKR	SPEAKER
COL	COLUMN	JNT	JOINT	SQ	SQUARE
CONC	CONCRETE			SS	SOLID SURFACE
CONT	CONTINUE, CONTINUOUS	KO	KNOCK OUT	SSK	SERVICE SINK
CORR	CORRIDOR	KS	KNEE SPACE	STC	SOUND TRANSMISSION
CPT	CARPET				COEFFICIENT
CRS	COURSE, COURSES	L	LENGTH, LONG	STD	STANDARD
CT	CERAMIC TILE	LAV	LAVATORY	STL	STEEL
CTR	CENTER	LBS	POUND(S)	STOR	STORAGE
CUH	CABINET UNIT HEATER	LKR	LOCKER	STRUCT	STRUCTURAL
		LT WT	LIGHT WEIGHT	SUSP	SUSPENDED
DBL	DOUBLE				
DEFS	ERECT APPLIED EXTERIOR	MAS	MASONRY	T	TREAD
	FINISH SYSTEM	MATL	MATERIAL	TEMP	TEMPORARY
DEMO	DEMOLITION	MAX	MAXIMUM	T&G	TONGUE & GROOVE
DEP	DEPRESSED	MECH	MECHANICAL	THK	THICKNESS
DF	DRINKING FOUNTAIN	MED	MEDIUM	TLT	TOILET
DIA	DIAMETER	MFR	MANUFACTURER	TO_	TO OF (ITEM)
DIAG	DIAGONAL	MH	MANHOLE	TOC	TOP OF CONCRETE
DIM	DIMENSION	MD	MIDDLE	TOF	TOP OF FOOTING
DISP	DISPENSER	MIN	MINIMUM	TOP	TOP OF PAVEMENT
DIV	DIVISION	MIRR	MIRROR	TOS	TOP OF STEEL
DN	DOWN	MISC	MISCELLANEOUS	TOW	TOP OF WALL
DR OPNG	DOOR OPENING	MO	MASONRY OPENING	TPD	TOILET PAPER DISPENSER
DS	DOWNSPOUT	MSB	MOP SERVICE BASIN	TYP	TYPICAL
DT	DRAIN TILE	MTD	MOUNTED		
DW	DISHWASHER	MTL	METAL	UCR	UNDERCOUNTER
DWG	DRAWING			REFRIGERATOR	
DWR	DRAWER	NIC	NOT IN CONTRACT	UL	UNDERWRITERS LABORATORY
EA	EACH	NO	NUMBER	UNO	UNLESS NOTED OTHERWISE
EIFS	EXTERIOR INSULATION FINISH	NOM	NOMINAL	UR	URINAL
	SYSTEM	NTS	NOT TO SCALE		
EJ	EXPANSION JOINT			VAV	VARIABLE AIR VOLUME
EL	ELEVATION	OV	OVER	VB	VAPOR BARRIER
ELEC	ELECTRICAL/ELECTRICAL	OA	OVERALL	VCT	VINYL COMPOSITE TILE
ELEV	ELEVATOR	OC	ON CENTER	VERT	VERTICAL
EMER	EMERGENCY	OD	OUTSIDE DIAMETER	VEST	VESTIBULE
EP	ELECTRICAL PANEL	OF/CI	OWNER FURNISHED/	VIF	VERIFY IN FIELD
EQ	EQUAL		CONTRACTOR INSTALLED	VR	VAPOR RETARDER
EQUP	EQUIPMENT	OFD	OVERFLOW DRAIN	VWC	VINYL WALL COVERERING
ES	ELECTRIC STRIKE	OH	OVERHEAD		
ETR	EXISTING TO REMAIN	OPNG	OPENING	w/	WITH
EWC	ELECTRIC WATER COOLER	OPP	OPPOSITE	WC	WATERCLOSET
EXH FN	EXHAUST FAN			WD	WOOD
EXIST	EXISTING	PED	PEDESTAL	WF	WIDE FLANGE
EXP	EXPANSION	PERIM	PERIMETER	WH	WATER HEATER
EXPO	EXPOSED	PL	PLATE	w/o	WITHOUT
EXT	EXTERIOR	PL	PROPERTY LINE	WS	WORKSTATION
		PLAM	PLASTIC LAMINATE	WWF	WELDED WIRE FABRIC
FA	FIRE ALARM	PLBG	PLUMBING	WWM	WEEDED WIRE MESH
FD	FLOOR DRAIN	PLYWD	PLYWOOD		
FE	FIRE EXTINGUISHER	PNL JNT	PANEL JOINT	YD	YARD(S)
FEC	FIRE EXTINGUISHER CABINET	POC	POINT OF CONNECTION		
FF	FINISH FACE	PR	PAIR		

SYMBOLS LEGEND

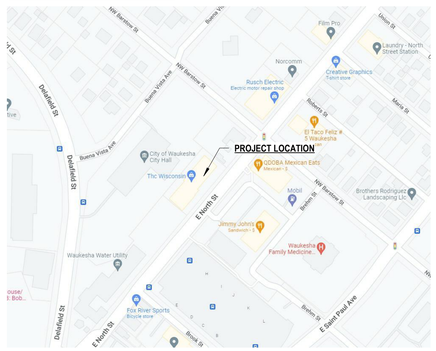
- 101 — DOOR TAG
- 1a — WINDOW TAG
- e1 — WALL TAG
- ? — PROJECT KEYED NOTE
- EMERGENCY EXIT SIGN
- FIRE EXTINGUISHER
- EXISTING CONSTRUCTION
- NEW CONSTRUCTION
- 6" — DIMENSION SHOWING FINISH TO FINISH
- (6") — DIMENSION SHOWING STUD TO STUD

LOCATION MAP



NORTH

VICINITY MAP



NORTH

GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH ALL LOCAL, STATE & NATIONAL CODES HAVING JURISDICTION OVER THIS PROJECT.

2. ALL WORK SHALL BE DONE IN ACCORDANCE WITH BUILDING REGULATIONS AND IN A QUALITY WORKMANSHIP MANNER

3. DO NOT SCALE DRAWINGS

4. SEE GENERAL CONDITIONS OF THE CONTRACT FOR FULL SCOPE OF PROJECT

5. UNLESS NOTED OTHERWISE, ALL DETAILS, SECTION AND NOTES ON THE DRAWINGS ARE INTENDED TO BE TYPICAL FOR SIMILAR SITUATIONS ELSEWHERE

6. THE PLANS AND SPECIFICATIONS ARE INTENDED TO GIVE A DESCRIPTION OF THE WORK. NO DEVIATION FROM THE PLANS AND SPECIFICATIONS SHALL BE MADE WITHOUT THE WRITTEN CONSENT OF STRUCRITE, INC.

7. ANY DISCREPANCIES WITHIN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF STRUCRITE, INC. IN WRITING.

8. THE TERMS "NOT IN CONTRACT" OR "BY OWNER" OR "BY OTHERS" DO NOT PRECLUDE OTHER WORK ASSOCIATED WITH THE CONTRACT WHICH MUST OCCUR IN THE VICINITY OF THE AREA OR THROUGH THE SPACE.

9. BEFORE COMMENCING WORK, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD. ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF STRUCRITE, INC PRIOR TO BIDDING.

10. IF FIELD CONDITIONS NECESSITATE ANY CHANGES OR MODIFICATIONS, THE CHANGES OR MODIFICATIONS MUST BE APPROVED BY STRUCRITE, INC. PRIOR TO PROCEEDING WITH WORK.

11. ALL CHANGE ORDERS MUST BE APPROVED BY THE OWNER PRIOR TO PROCEEDING WITH ANY WORK. FAILURE TO FOLLOW THIS STEP MIGHT RESULT IN NON-PAYMENT.

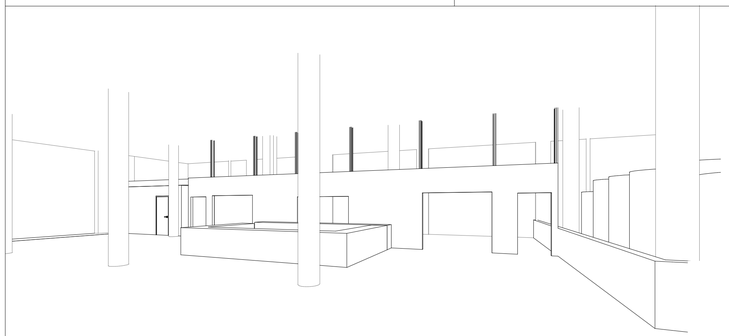
12. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL CLEAN-UP.

13. GENERAL AND SUB CONTRACTS SHALL EXERCISE ALL REASONABLE PRECAUTIONS FOR THE PROTECTION OF PERSONS AND PROPERTY ON THE SITE. ALL SAFETY PROVISIONS AND APPLICABLE LAWS FOR BUILDING AND CONSTUCTION CODES SHALL BE OBSERVED.

14. GENERAL CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO STRUCRITE INC. FOR APPROVAL BEFORE PROCEEDING WITH ANY FABRICATION OR INSTALLATION.

15. MANUFACTURES DIRECTIONS FOR APPLICATION, INSTALLATION AND METHODS SHALL BE FOLLOWED ARE HEREWITH MADE PART OF THE CONSTRUCTION DOCUMENTS.

16. ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY TO BE PRESSURE TREATED



SHEET INDEX

StrucRite
Architectural & Engineering Services
707 N. Grand Ave. - Suite 102
Waukesha, WI 53186
262.549.3222 - www.srdinc.biz

North Pillar Brewing
212 E. North Street
Waukesha, WI

DESIGNER/ SUPERVISING PROFESSIONAL

StrucRite, Inc.
Boyd E. Coleman, P.E.
President, Engineer
805 Clinton Street
Waukesha, WI 53186
262.549.3222

OWNER

ADH Properties
Alan Huelsman
235 W. Broadway St.
Waukesha, WI

REVISIONS

No.	DATE	DESCRIPTION

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CONSTRUCTION DOCUMENTS

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JOB NUMBER:	22087
ISSUED DATE:	05.02.2023
DRAWN BY:	JJR
SHEET NUMBER:	G1.0

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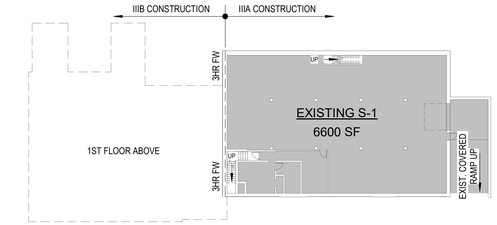
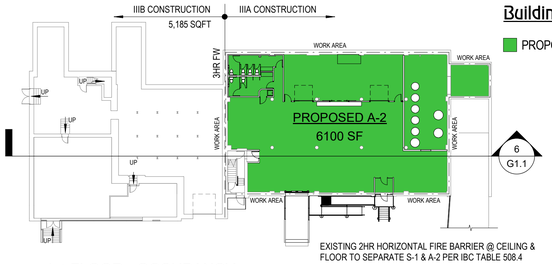


Building Area

EXISTING S-1

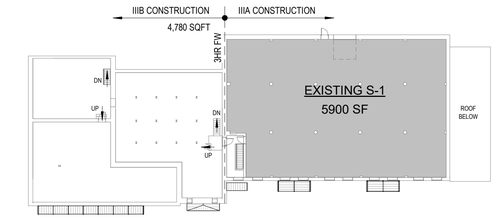
1 BASEMENT - OCCUPANCY
1/32" = 1'-0"



Building Area

PROPOSED A-2

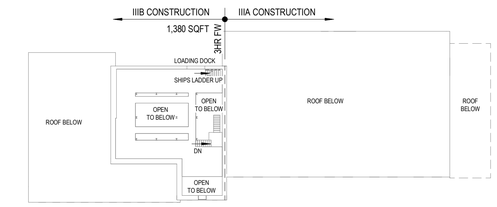
2 1st FLOOR - OCCUPANCY
1/32" = 1'-0"



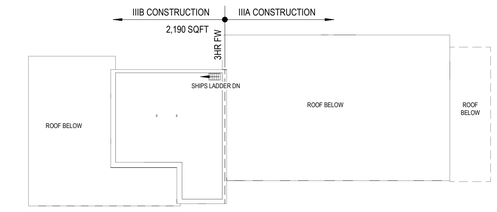
Building Area

EXISTING S-1

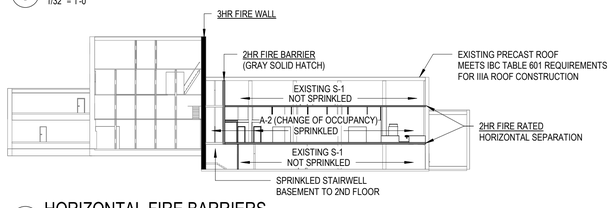
3 2nd FLOOR - OCCUPANCY
1/32" = 1'-0"



4 MEZZANINE - OCCUPANCY
1/32" = 1'-0"



5 3rd FLOOR - UNOCCUPIED
1/32" = 1'-0"



6 HORIZONTAL FIRE BARRIERS
1/32" = 1'-0"

EGRESS PLAN DRAWING KEY:

- EGRESS PATH
- EXIT SIGN
- PROPOSED WALL
- FIRE EXTINGUISHER
- FIRE BARRIER 1-HOUR ASSEMBLY RATING
- EXISTING FIRE WALL 3-HOUR FIRE WALL

LIFE SAFETY GENERAL NOTES:

1. MEANS OF EGRESS ILLUMINATION SHALL BE PROVIDED TO MEET CURRENT CODES. ELECTRICAL CONTRACTOR RESPONSIBLE FOR DESIGN AND SUBMITTAL TO STATE.
2. AN EXTERIOR LIGHT SHALL BE PROVIDED AT EXIT DOORS AND BE PROVIDED WITH EMERGENCY POWER PER CURRENT CODES AND BE INCLUDED IN EGRESS ILLUMINATION PLANS.
3. FIRE EXTINGUISHERS SHALL BE INSTALLED IN LOCATIONS AS NOTED ON PLANS BELOW. EXTINGUISHERS ARE TO BE MOUNTED TO ADJACENT WALL OR COLUMN USING STANDARD MANUFACTURES BRACKETS OR EQUIVALENT. FOR WALL MOUNT LOCATIONS ATTACH BRACKET TO STUDS OR BLOCKING ONLY. EXTINGUISHERS TO MEET CURRENT BUILDING CODE AND NFPA 10.

LIFE SAFETY ANALYSIS

SUBMITTAL TYPE	CHANGE OF OCCUPANCY				MAXIMUM EXIT DISTANCE	MAXIMUM	250'-0"	ACTUAL	112'-0"
TYPE OF CONSTRUCTION	IIIA				MAXIMUM COMMON PATH	MAXIMUM	NA	ACTUAL	NA
NUMBER OF STORIES	2				MAXIMUM DEAD-END CORRIDOR	MAXIMUM	20'-0"	ACTUAL	0'-0"
SPRINKLED	YES (WORK AREA ONLY)				TOTAL NUMBER OF EXITS	REQUIRED	2	ACTUAL	2
SPRINKLER TYPE	WET				REQUIRED STAIR WIDTH	REQUIRED	44"	ACTUAL	94"
FIRE SUPPRESSION	NFPA-13				REQUIRED EGRESS WIDTH	REQUIRED	64"	ACTUAL	68"
FIRE ALARM	NO				MAIN OCCUPANCY TYPE	S-1			
ALARM TYPE	-				ALL OCCUPANCY TYPES	S-1, A-2			
WATER CLOSET-MALE	REQUIRED	4	PROVIDED	4	OCCUPANCY SEPARATIONS	2HR FIRE BARRIER			
WATER CLOSET-FEMALE	REQUIRED	4	PROVIDED	4	INCIDENTAL USES	NO			
LAVATORIES	REQUIRED	4	PROVIDED	4	ALLOWABLE AREA	21,270 SQFT (w/ FRONTAGE INCREASE)			
UTILITY TUB	REQUIRED	1	PROVIDED	1	ACTUAL AREA FOR	A-2 = 6,100 SQFT (WORK AREA)			
DRINKING FOUNTAINS	REQUIRED	NA	PROVIDED	NA	ACTUAL AREA FOR	S-1 = 12,500 SQFT			
OTHER					ACTUAL AREA FOR				
					TOTAL ACTUAL AREA	18,600 SQFT			
					OCCUPANT LOAD	290 (A-2 CHANGE OF OCCUPANCY)			

2015 IBC HIGHLIGHTED SECTIONS:

IBC 711.2.4.1 SEPARATING MIXED OCCUPANCIES
WHERE A HORIZONTAL ASSEMBLY SEPARATES A MIXED OCCUPANCY, THE ASSEMBLY SHALL HAVE A FIRE RESISTANCE OF NOT LESS THAN THAT REQUIRED BY IBC 508.4
SEE 6/G1.1 FOR HORIZONTAL SEPARATIONS

IBC 903.2.1 AUTOMATIC SPRINKLER SYSTEM
OCCUPANT LOAD GREATER THAN 100 OR FIRE AREA ABOVE OR BELOW LEVEL OF EXIT DISCHARGE - **SPRINKLER SYSTEM REQUIRED**

IBC 907.2.1 GROUP A FIRE ALARM SYSTEMS
MANUAL FIRE ALARM SYSTEM THAT ACTIVATES THE OCCUPANT NOTIFICATION SYSTEM IN ACCORDANCE WITH SECTION 907.5 SHALL BE INSTALLED IN GROUP A-2 OCCUPANCIES PER THE FOLLOWING CONDITIONS
1. WHERE THE OCCUPANT LOAD DUE TO THE ASSEMBLY OCCUPANCY IS 300 OR MORE
LOAD DOES NOT EXCEED - NO FIRE ALARM REQUIRED

IBC TABLE 1007.1.1 REMOTENESS BETWEEN EXITS OR EXIT ACCESS DOORS
WHERE TWO EXITS, EXIT ACCESS DOORWAYS... ARE REQUIRED FROM ANY PORTION OF THE EXIT ACCESS, THEY SHALL BE PLACED A DISTANCE APART EQUAL TO NOT LESS THAN 1/2 OF THE LENGHT OF THE MAX. OVERALL DIAGONAL DIMENSION OF AREA TO BE SERVED...
EXCEPTION 2. WHERE A BUILDING IS EQUIPPED WITH A AUTOMATIC SPRINKLER SYSTEM, THE SEPARATION DISTANCE SHALL BE NOT LESS THAN 1/3 OF THE LENGTH.
DIAGONAL DIMENSION = 123'-0"
MIN SEPARATION = 123'-0" x .33 = 41'-0"
ACTUAL SEPARATION = 59'-0" **(MEETS REQUIREMENT)**

2015 IEBC HIGHLIGHTED SECTIONS:

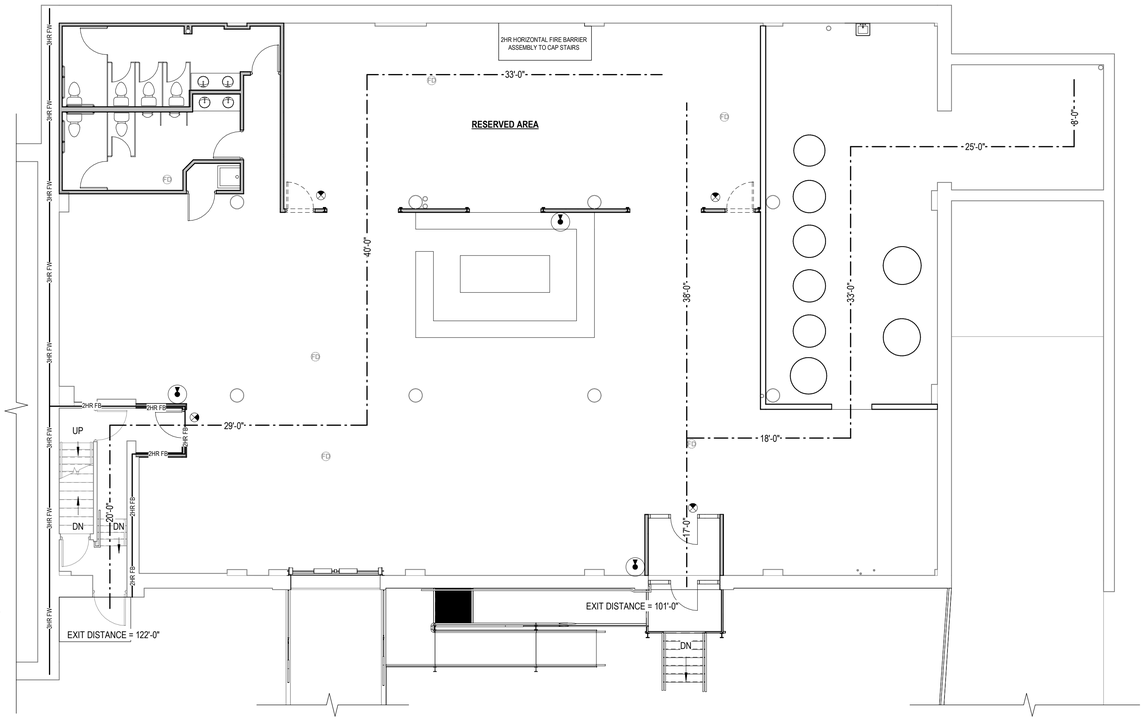
IEBC 805.4.4 PANIC HARDWARE
IN ANY WORK AREA AND IN THE EGRESS PATH FROM ANY WORK AREA TO THE EXIT DISCHARGE, IN BUILDINGS OR PORTIONS THEREOF OF GROUP "A" ASSEMBLY OCCUPANCIES WITH AN OCCUPANT LOAD GREATER THAN 100, ALL REQUIRED EXIT DOORS EQUIPPED WITH LATCHING DEVICES SHALL BE EQUIPPED WITH APPROVED PANIC HARDWARE.

IEBC 1012.1.1.2 CHANGE OF OCCUPANCY CLASSIFICATION WITH SEPARATION
WHERE A PORTION OF AN EXISTING BUILDING IS CHANGED TO A NEW OCCUPANCY CLASSIFICATION OR WHERE THERE IS A CHANGE OF OCCUPANCY WITHIN A SPACE WHERE THERE IS A DIFFERENT FIRE PROTECTION SYSTEM THRESHOLD REQUIREMENT IN CHAPTER 9 OF THE IBC, THAT PORTION IS SEPARATED FROM THE REMAINDER OF THE BUILDING WITH FIRE BARRIERS HAVING A FIRE-RESISTANCE RATING AS REQUIRED IN THE IBC FOR THE SEPARATE OCCUPANCY, THAT PORTION SHALL COMPLY WITH ALL OF THE REQUIREMENTS OF CHAPTER 9 FOR THE NEW OCCUPANCY CLASSIFICATION....
SEE 6/G1.1 FOR HORIZONTAL SEPARATIONS

IEBC 1012.2 FIRE PROTECTION SYSTEMS
WHERE A CHANGE IN OCCUPANCY CLASSIFICATIONS OCCURS...WHERE THERE IS A DIFFERENT FIRE PROTECTION SYSTEM THRESHOLD REQUIREMENT IN CHAPTER 9 OF THE IBC THAT REQUIRES AN AUTOMATIC FIRE SPRINKLER SYSTEM TO BE PROVIDED BASED ON THE NEW OCCUPANCY...SUCH SYSTEM SHALL BE PROVIDED THROUGHOUT THE AREA WHERE THE CHANGE OF OCCUPANCY OCCURS
IBC 903.2.1 - FIRE SPRINKLER SYSTEM REQUIRED

IEBC 1012.2.2 FIRE ALARM & DETECTION SYSTEM
WHERE A CHANGE IN OCCUPANCY CLASSIFICATIONS OCCURS...WHERE THERE IS A DIFFERENT FIRE PROTECTION SYSTEM THRESHOLD REQUIREMENT IN CHAPTER 9 OF THE IBC THAT REQUIRES A FIRE ALARM AND DETECTION SYSTEM TO BE PROVIDED BASED ON THE NEW OCCUPANCY...SUCH SYSTEM SHALL BE PROVIDED THROUGHOUT THE AREA... **IBC 907.2.1 - FARM ALARM NOT REQUIRED**

IEBC 1012.4.1 MEANS OF EGRESS FOR CHANGE TO HIGHER HAZARD
MEANS OF EGRESS SHALL COMPLY WITH THE REQUIREMENTS OF CHAPTER 10 OF THE IBC.
EXCEPTION: EXISTING STAIRWAYS INCLUDING HANDRAILS AND GUARDS COMPLYING WITH THE REQUIREMENTS OF CHAPTER 9 SHALL BE PERMITTED FOR CONTINUED USE....



7 1st Level - Life Safety Plan
1/8" = 1'-0"

PLAN

StrucRite
Architectural & Engineering Services
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Waukesha, WI 53186
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REVISIONS

No.	DATE	DESCRIPTION

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CONSTRUCTION DOCUMENTS

SHEET TITLE: BUILDING AREAS
JOB NUMBER: 22087
ISSUED DATE: 05.02.2023
DRAWN BY: JJR
SHEET NUMBER: **G1.1**

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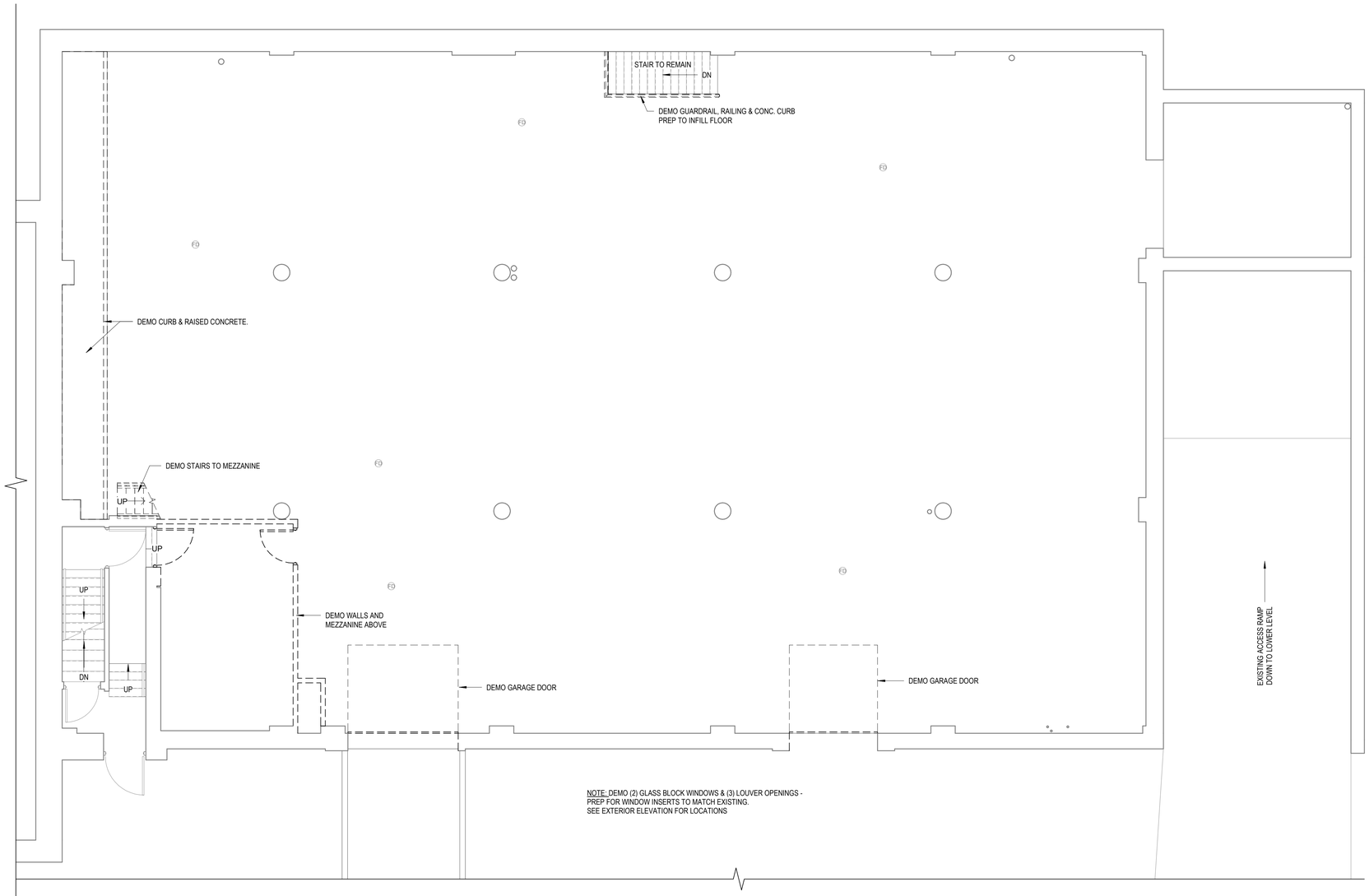

1 Brewery Existing / Demo Plan
3/16" = 1'-0"

GENERAL DEMOLITION NOTES:

ALL DEMOLITION BY GENERAL CONTRACTOR UNLESS OTHERWISE NOTED.

GENERAL CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS. LOCATIONS OF WALLS, DOORS, AND OTHER ITEMS HAVE BEEN FIELD MEASURED FOR GENERAL LAYOUT ONLY. REPORT ANY DISCREPANCIES TO STRUC RITE DESIGN FOR CLARIFICATION PRIOR TO THE START OF WORK.

IF FLOORS, WALLS, OR CEILINGS ARE DAMAGED DURING REMOVAL, THE CONTRACTOR RESPONSIBLE SHALL PATCH / REPAIR AS REQUIRED TO MATCH EXISTING OR NEW MATERIAL SURFACES.

AT ALL REMOVAL WORK, INCLUDING FLOORS, WALLS, DOORS, CEILINGS, ETC., PATCH ALL WORK AT REMOVAL & NEW CONNECTION; PAINT AS REQUIRED.

AT MECHANICAL WORK, WHERE REMOVAL OF PIPES, CONDUIT, DUCTWORK, ETC. HAS LEFT AN OPENING OR HOLD THROUGH THE WALL, FLOOR, OR CEILING; FILL & PATCH OPENING TO MATCH THE ADJACENT CONSTRUCTION AND FINISH AS REQUIRED.

BEFORE COMMENCING WITH DEMOLITION WORK, REVIEW W/ OWNER WHICH ITEMS ARE TO BE SALVAGED AND TURNED OVER THE OWNER, IN ADDITION TO THOSE LISTED ON THE PLANS. ANY ITEM NOT WANTED BY THE OWNER SHALL BE REMOVED FROM THE JOB SITE BY THE GENERAL CONTRACTOR AND DISPOSED OF IN THE PROPER AND LEGAL MANNER.

SEE MECHANICAL DRAWINGS FOR DESCRIPTION OF REQUIRED MECHANICAL DEMOLITIONS.

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SHEET TITLE: DEMOLITION PLAN
JOB NUMBER: 22087
ISSUED DATE: 05.02.2023
DRAWN BY: JJR
SHEET NUMBER: **AD1.0**

PLAN

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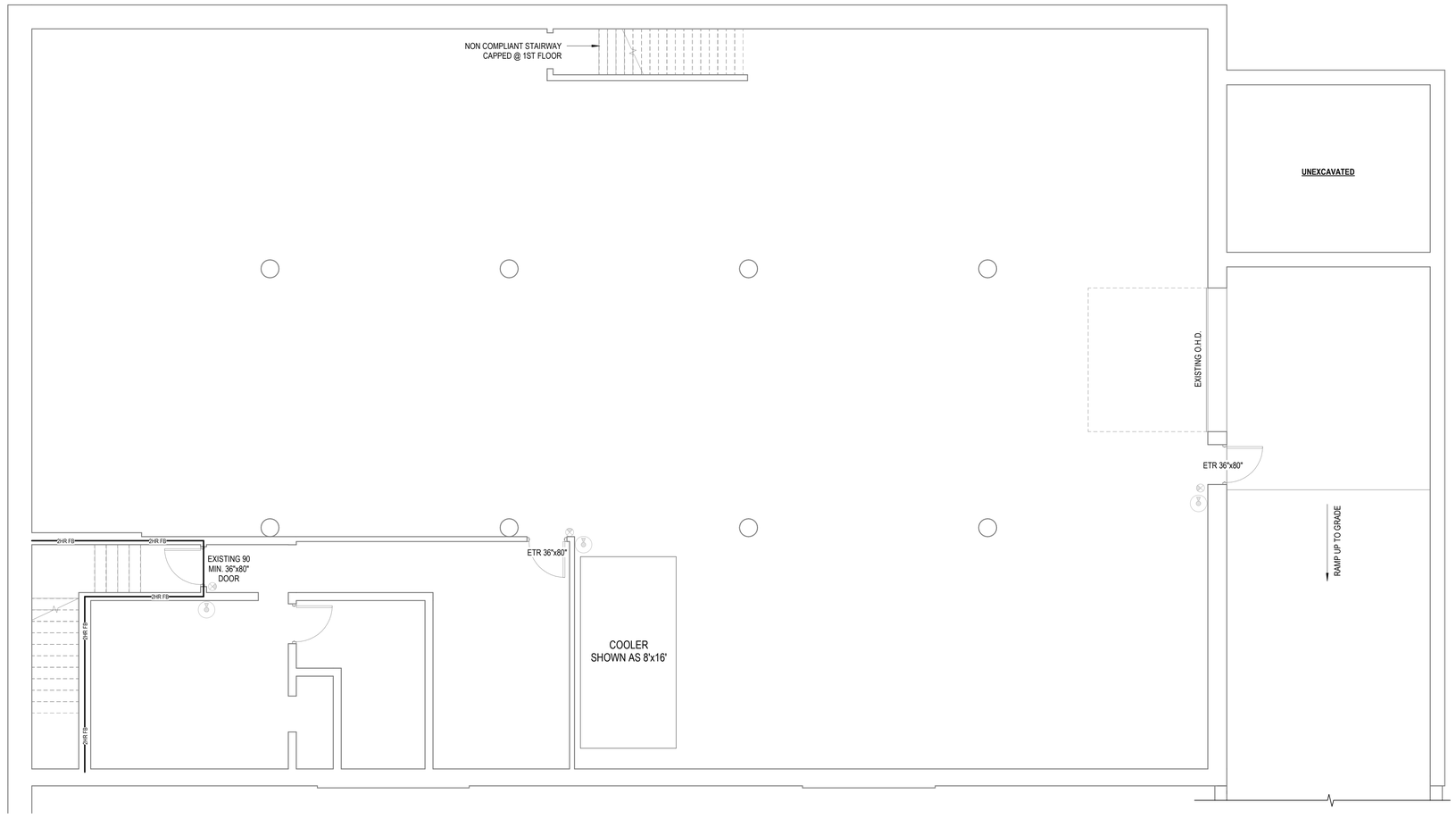

1 BASEMENT
3/16" = 1'-0"

NORTH

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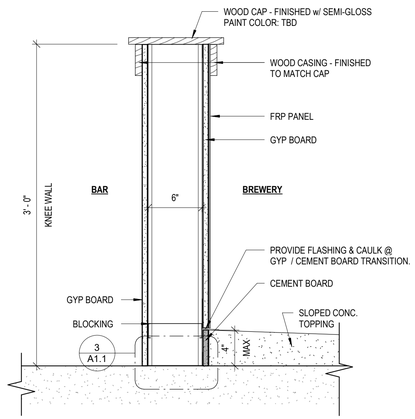
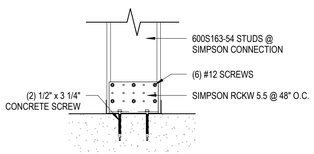
CONSTRUCTION DOCUMENTS

SHEET TITLE: BASEMENT FLOOR PLAN
JOB NUMBER: 22087
ISSUED DATE: 05.02.2023
DRAWN BY: JJR
SHEET NUMBER: **A1.0**

5/2/2023 2:49:17 PM



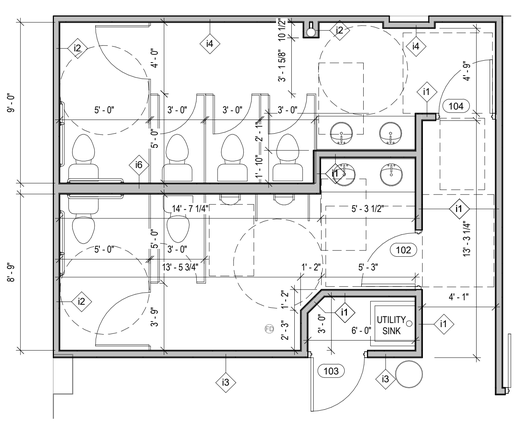
4 KNEE WALL DETAIL
1 1/2" = 1'-0"



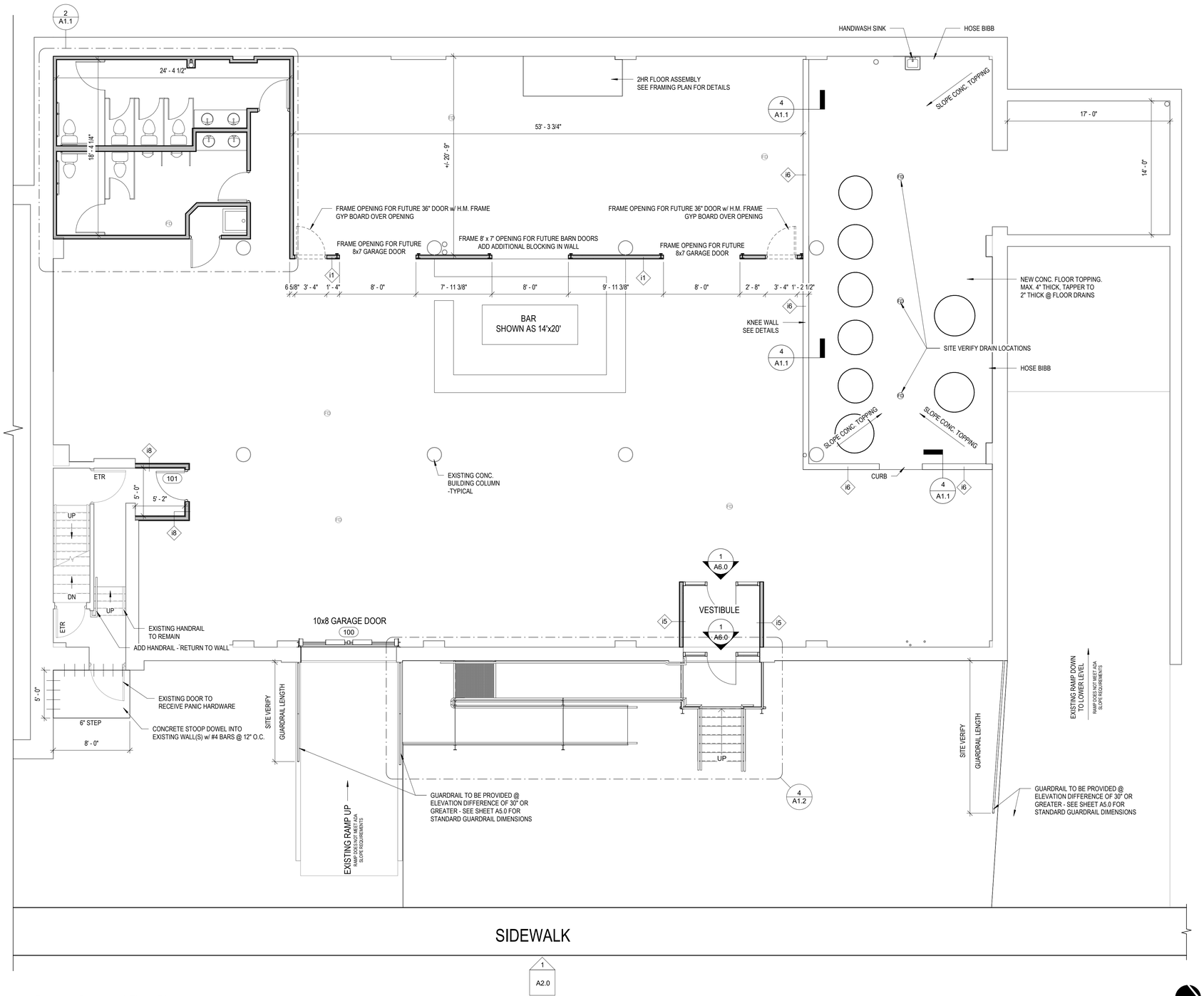
3 KNEE WALL BASE CONNECTION
1 1/2" = 1'-0"

RESTROOM NOTES:

1. IF FLOOR FINISHES ARE NOT SPECIFIED AND BEING DONE BY OTHERS THE MUST CONFORM WITH THE FOLLOWING. IN A TOILET AND BATHING ROOMS THE FLOOR SURFACE SHALL HAVE A SMOOTH, HARD, NONABSORBENT SURFACE THAT EXTENDS UPWARD ONTO THE WALLS AT LEAST 6 INCHES.
2. IF WALL FINISHES ARE NOT SPECIFIED AND BEING DONE BY OTHERS THE MUST CONFORM WITH THE FOLLOWING. ALL WALLS IN TOILET AND BATHING ROOMS SHALL HAVE A SMOOTH, HARD NONABSORBENT SURFACE, TO A HEIGHT OF 4'-0" THE FLOOR AND THE MATERIALS USED IN SUCH WALLS SHALL BE A TYPE THAT IS NOT ADVERSELY AFFECTED BY MOISTURE.



2 ENLARGED BATHROOM PLAN
1/4" = 1'-0"



1 Brewery Proposed Floor Plan
3/16" = 1'-0"

NORTH

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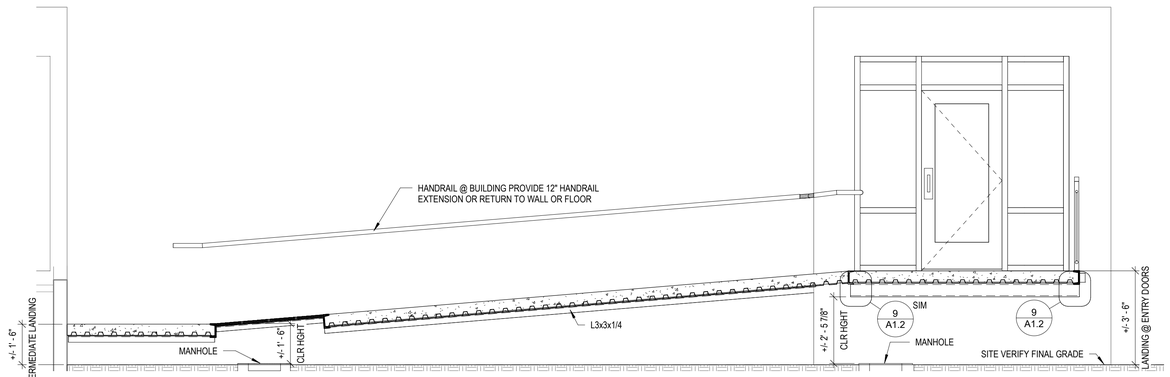
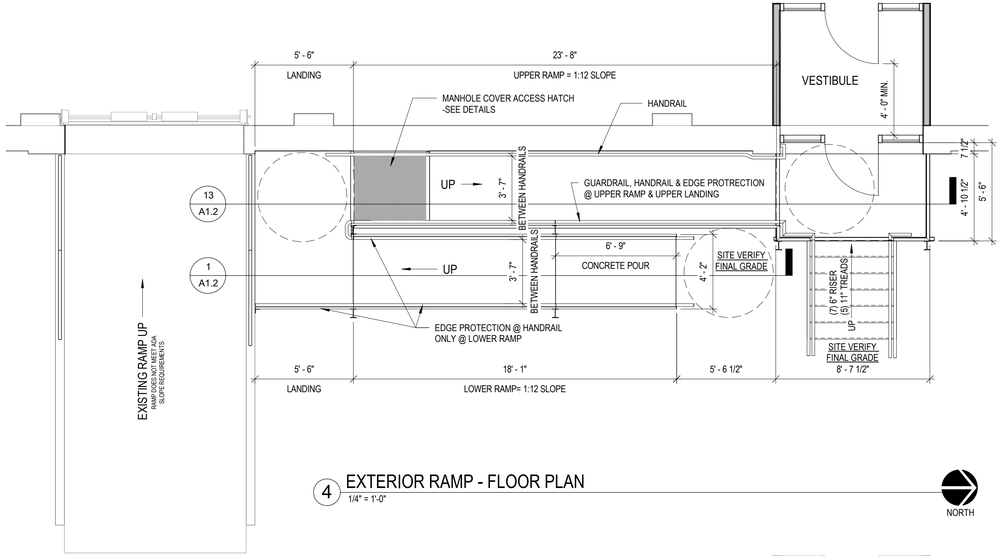
CONSTRUCTION DOCUMENTS

SHEET TITLE:	1st FLOOR PLAN
JOB NUMBER:	22087
ISSUED DATE:	05.02.2023
DRAWN BY:	JJR
SHEET NUMBER:	A1.1

5/2/2023 2:49:17 PM

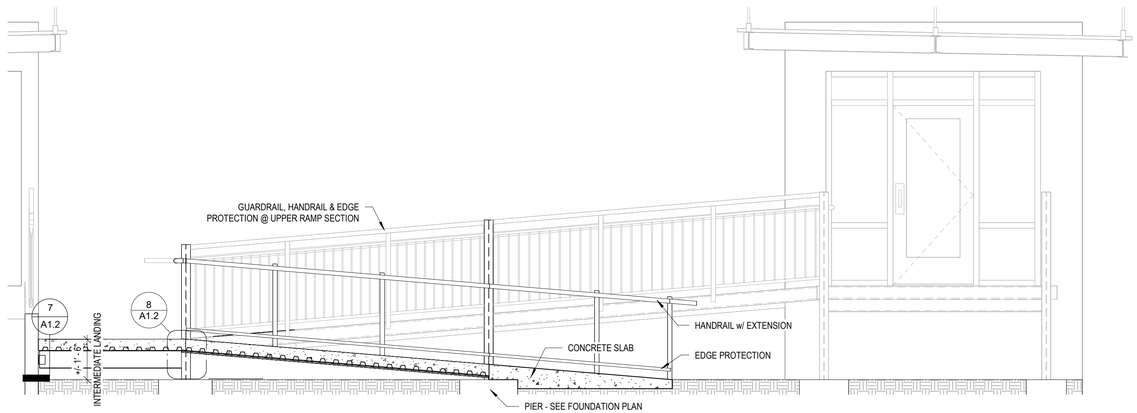


13 UPPER RAMP SECTION
3/8" = 1'-0"

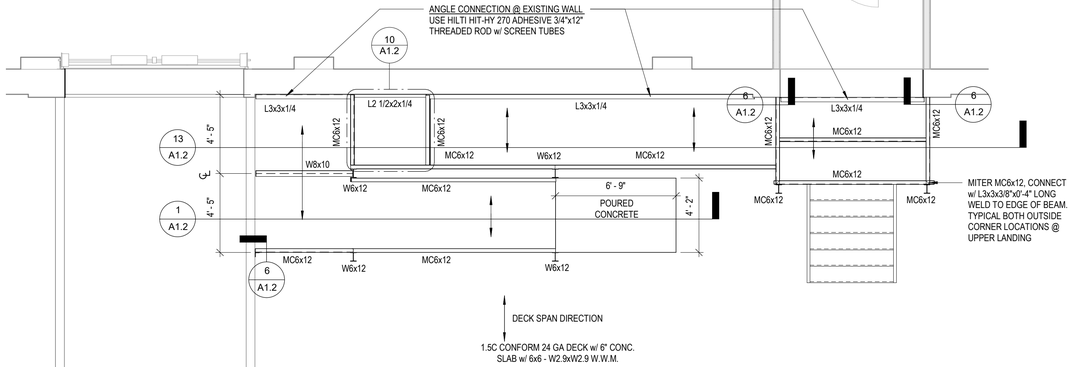


4 EXTERIOR RAMP - FLOOR PLAN
1/4" = 1'-0"

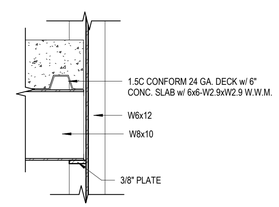
NORTH



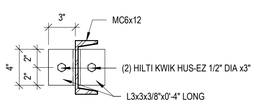
1 LOWER RAMP SECTION
3/8" = 1'-0"



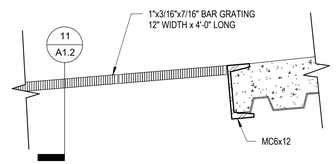
2 EXTERIOR RAMP - FRAMING PLAN
1/4" = 1'-0"



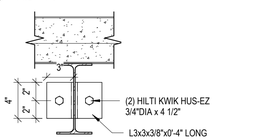
8 W8x10 CONNECTION @ W6x12
1 1/2" = 1'-0"



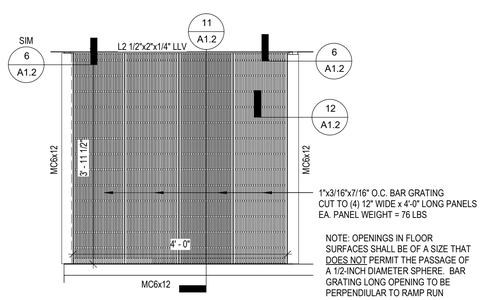
6 MC6x12 CONNECTION @ CONC. WALL
1 1/2" = 1'-0"



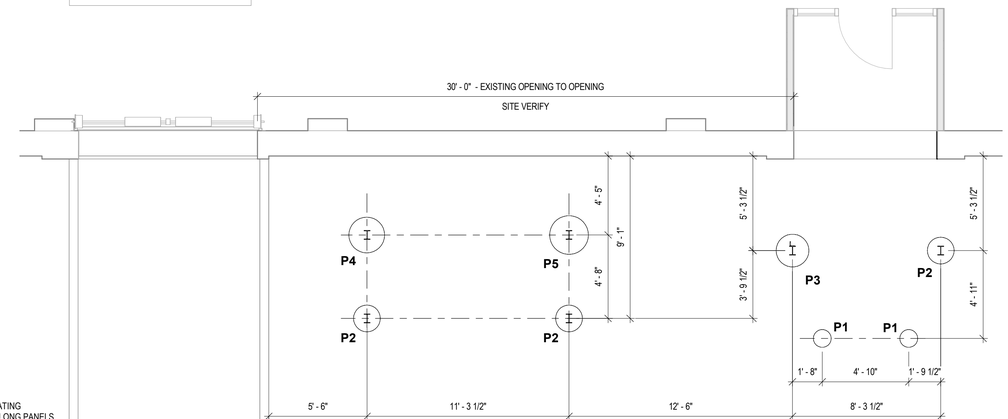
12 TUBE STEEL BEARING @ MANHOLE
1 1/2" = 1'-0"



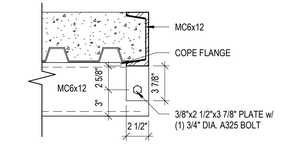
7 W8x10 CONNECTION @ CONC. WALL
1 1/2" = 1'-0"



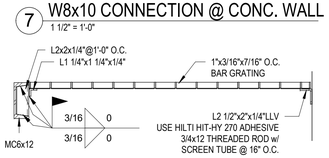
10 RAMP COVER OVER MANHOLE
3/4" = 1'-0"



3 EXTERIOR RAMP - FOUNDATION PLAN
1/4" = 1'-0"



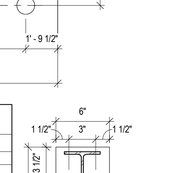
9 MC6x12 CENTER BEAM CONN. - TYP
1 1/2" = 1'-0"



11 PLATE & TUBE STEEL @ MANHOLE
1" = 1'-0"

CONCRETE PIER SCHEDULE		
MARK	TYPE	COMMENTS
P1	12"	(4) #4 DOWELS & #3 TIES @ 8" O.C.
P2	18"	(4) #6 DOWELS & #3 TIES @ 12" O.C.
P3	22"	(4) #7 DOWELS & #3 TIES @ 14" O.C.
P4	24"	(4) #7 DOWELS & #3 TIES @ 14" O.C.
P5	26"	(4) #8 DOWELS & #3 TIES @ 16" O.C.

NOTE: ALL PIERS TO 48" BELOW GRADE



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Waukesha, WI

REVISIONS

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CONSTRUCTION DOCUMENTS

SHEET TITLE: EXT. ADA RAMP PLANS
JOB NUMBER: 22087
ISSUED DATE: 05.02.2023
DRAWN BY: JJR
SHEET NUMBER: **A1.2**

5/2/2023 2:53:18 PM

1 EAST ELEVATION
1/8" = 1'-0"

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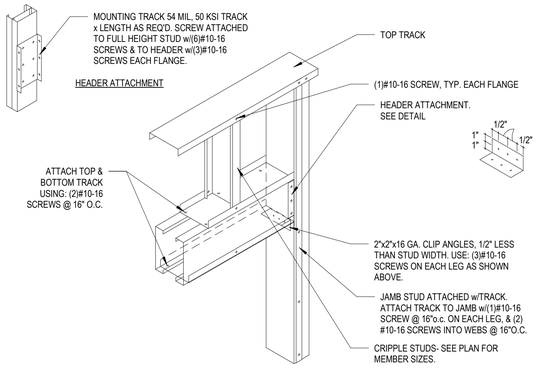
CONSTRUCTION DOCUMENTS

SHEET TITLE: EXTERIOR ELEVATIONS
JOB NUMBER: 22087
ISSUED DATE: 05.02.2023
DRAWN BY: JJR
SHEET NUMBER: **A2.0**

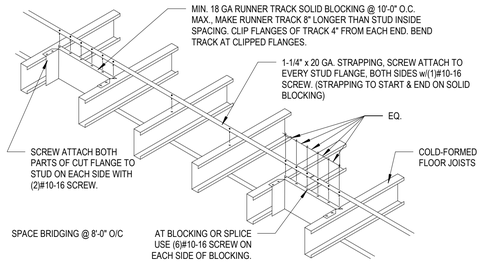
5/2/2023 2:53:19 PM



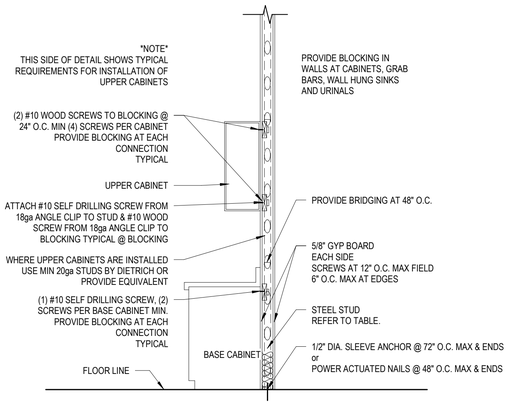
2 TYPICAL BOX HEADER DETAIL
NOT TO SCALE

BLOCKING NOTE:
PLACE SOLID BLOCKING AT ENDS OF FLOOR SYSTEM, ADJACENT TO ALL OPENINGS, & AT 10'-0" O.C., MAX.

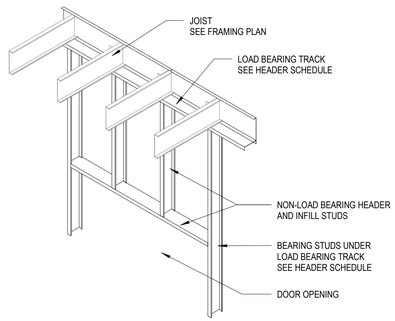
STRAP NOTE:
TOP STRAP NOT REQUIRED IF CONTINUOUSLY ATTACHED RIGID SHEATHING IS USED. TEMPORARY BRACING OF TOP FLANGE DURING CONSTRUCTION MAY BE REQUIRED



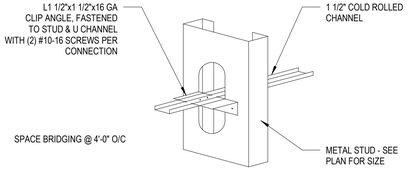
11 TYPICAL JOIST BRIDGING DETAIL
NOT TO SCALE



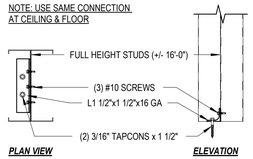
12 TYP. NON-LOAD BEARING PARTITION WALL
NOT TO SCALE



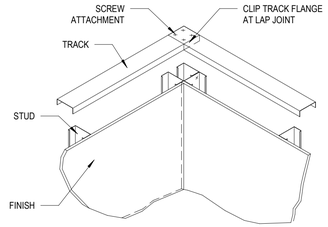
13 TYP. TRACK HEADER @ DOOR
NOT TO SCALE



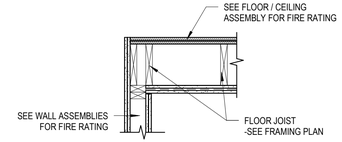
3 TYP. WALL BRIDGING
NOT TO SCALE



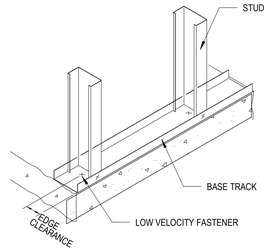
4 FULL HEIGHT (BRACING) STUDS
NOT TO SCALE



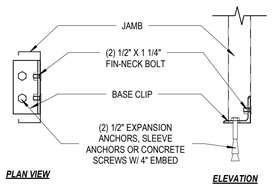
5 TYP. WALL FRAMING @ CORNER
NOT TO SCALE



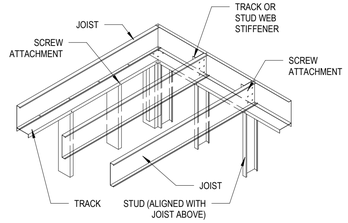
6 TYP. FLOOR / CEILING WOOD FRAMING
NOT TO SCALE



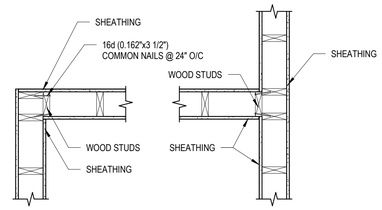
7 TYP. BOTTOM TRACK ANCHOR
NOT TO SCALE



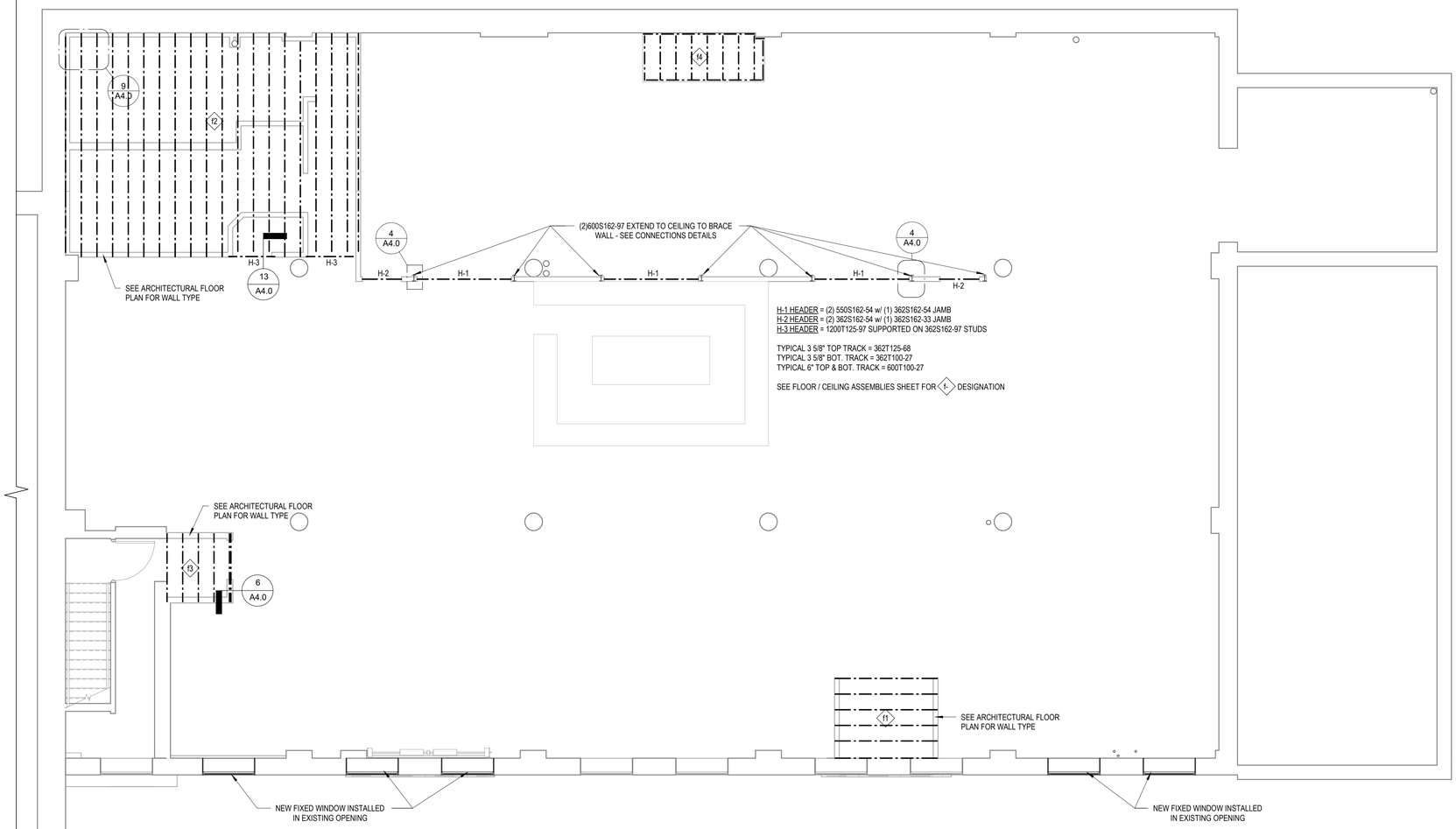
8 TYP. JAMB BASE CLIP
NOT TO SCALE



9 TYP. FLOOR / CEILING COLD FORM FRAMING
NOT TO SCALE



10 WOOD STUD WALL INTERSECTION
NOT TO SCALE



1 PROPOSED - FLOOR / CEILING FRAMING
3/16" = 1'-0"

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CONSTRUCTION DOCUMENTS

SHEET TITLE: FRAMING PLAN & DETAILS
JOB NUMBER: 22087
ISSUED DATE: 05.02.2023
DRAWN BY: JJR
SHEET NUMBER: **A4.0**

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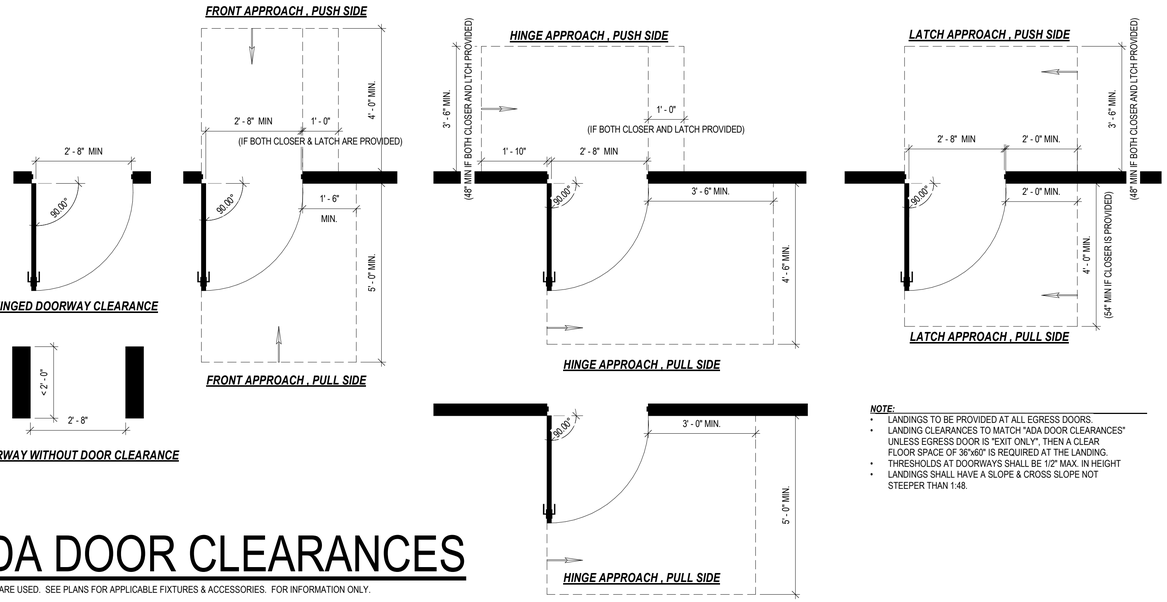
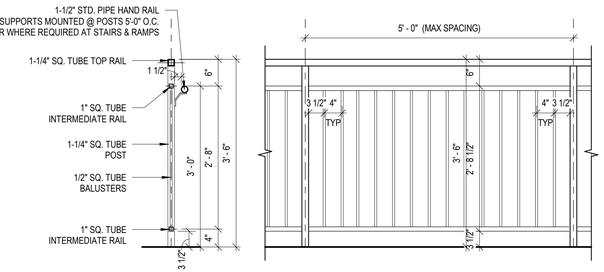


ADA DOOR CLEARANCES

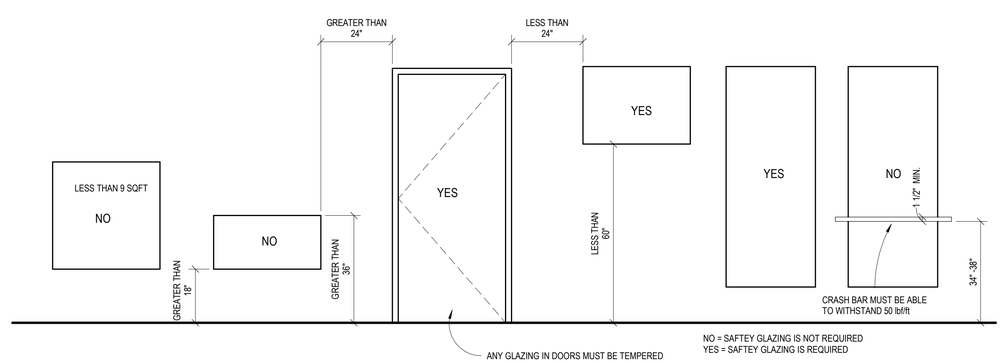
NOT ALL ARE USED. SEE PLANS FOR APPLICABLE FIXTURES & ACCESSORIES. FOR INFORMATION ONLY.

NOTE:

- LANDINGS TO BE PROVIDED AT ALL EGRESS DOORS.
- LANDING CLEARANCES TO MATCH "ADA DOOR CLEARANCES" UNLESS EGRESS DOOR IS "EXIT ONLY", THEN A CLEAR FLOOR SPACE OF 36"x60" IS REQUIRED AT THE LANDING.
- THRESHOLDS AT DOORWAYS SHALL BE 1/2" MAX. IN HEIGHT
- LANDINGS SHALL HAVE A SLOPE & CROSS SLOPE NOT STEEPER THAN 1:48.

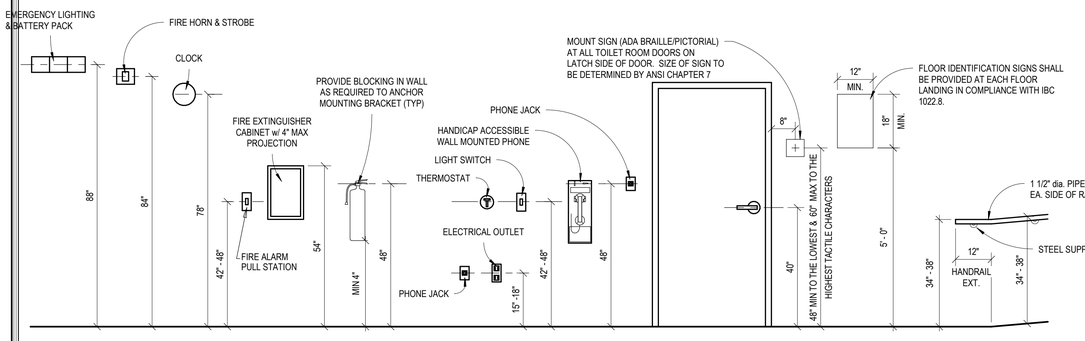


TYPICAL GUARDRAIL



SAFETY GLAZING

NOT ALL ARE USED.



RAMP HANDRAIL

STAIR HANDRAIL

STANDARD MOUNTING HEIGHTS

NOT ALL ARE USED. SEE PLANS FOR APPLICABLE FIXTURES & ACCESSORIES. FOR INFORMATION ONLY.

STANDARD MOUNTING HEIGHT NOTES:

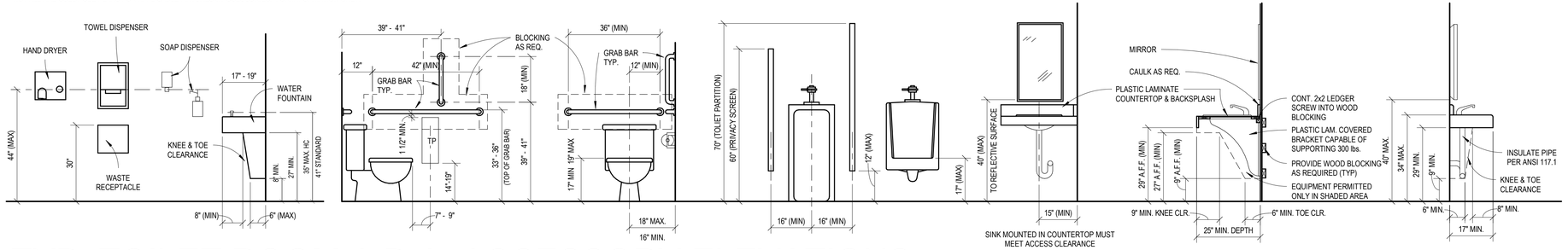
1. ALL SIGNAGE SHALL MEET THE REQUIREMENTS OF ADA AND ANSI A117.1 SEC. 703.
2. SIGN SHALL BE MOUNTED WHERE INDICATED. WHERE THERE IS NO WALL SPACE ADJACENT TO LATCH SIDE OF DOOR, SIGN SHALL BE MOUNTED ON NEAREST ADJACENT WALL.
3. MOUNTING LOCATION FOR SIGNAGE SHALL BE SO THAT A PERSON MAY APPROACH WITHIN 3" OF SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF THE DOOR.
4. DIRECTIONAL SIGNAGE IS REQUIRED AT BUT NOT LIMITED TO:
   - EXITS SERVING AN ACCESSIBLE SPACE
   - ELEVATOR LANDINGS
   - AREAS OF REFUGE
5. TACTILE EXIT SIGNS SHALL BE PROVIDED AT EACH DOOR TO AN EXIT STAIRWAY AND AT THE EXIT DISCHARGE
6. FACILITIES AND ELEMENTS REQUIRED TO BE IDENTIFIED AS ACCESSIBLE SHALL INCLUDE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY.
7. CONTRACTOR SHALL PROVIDE WOOD BLOCKING IN DRYWALL PARTITIONS FOR MOUNTING OF WALL ATTACHED ITEMS INCLUDING, BUT NOT LIMITED TO:
   - GRAB BARS
   - CABINETS / SHELVING
   - TOILET PARTITIONS
   - ACCESSORIES
   - DOOR BUMPER STOPS
8. STANDARD MOUNTING HEIGHTS APPLY TO DRAWINGS UNLESS INDICATED OTHERWISE.
9. GRAB BARS SHALL BE INSTALLED PLUMB OR LEVEL.
10. NOTIFY STRUCRITE OF ANY DISCREPANCIES.

TOILET ROOM NOTES:

1. 6-1/2" MAXIMUM SINK DEPTH.
2. INSULATE PIPES BELOW COUNTERTOPS (WATER AND WASTE LINES w/ PVC MOLDED PROTECTION.
3. FLUSH VALVE FOR URINAL MUST NOT EXCEED 44" IN HEIGHT.
4. PROVIDE LEVER FAUCETS HANDLES AT ALL SINKS AND LAVATORIES.
5. ALL DIMENSIONS SHOWN ARE FROM WALL FINISH.

STAIRWAY WALK SURFACE:

1. THE WALKING SURFACE OF TREADS AND LANDINGS OF A STAIRWAY SHALL NOT BE SLOPED STEEPER THAN ONE UNIT VERTICAL IN 48 UNITS HORIZONTAL (2% SLOPE) IN ANY DIRECTION.
2. OPENINGS IN STAIR WALKING SURFACES SHALL BE A SIZE THAT DOES NOT PERMIT THE PASSAGE OF 1/2" DIAMETER SPHERE. ELONGATED OPENINGS SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DIRECTION OF TRAVEL.
3. IN OCCUPANCY GROUP F, H AND S, OTHER THAN AREAS OF PARKING STRUCTURES ACCESSIBLE TO THE PUBLIC, OPENINGS IN TREADS AND LANDING SHALL NOT BE PROHIBITED PROVIDED A SPHERE WITH A DIAMETER OF 1 1/8" CANNOT PASS THROUGH THE OPENING



TYP. TOILET ROOM A.D.A. ACCESSORY ELEVATIONS

NOT ALL ARE USED. SEE PLANS FOR APPLICABLE FIXTURES & ACCESSORIES. FOR INFORMATION ONLY.

COUNTERTOP DROP-IN SINK

WALL HUNG SINK

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CONSTRUCTION DOCUMENTS

SHEET TITLE: STANDARD DETAILS
JOB NUMBER: 22087
ISSUED DATE: 05.02.2023
DRAWN BY: JJR
SHEET NUMBER: **A5.0**

5/2/2023 2:49:22 PM

SPECIFICATIONS:

GENERAL REQUIREMENTS

A. NOTES & DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES.
B. ALL MATERIALS AND WORK PERFORMED SHALL CONFORM TO THE REQUIREMENTS OF THE WISCONSIN ADMINISTRATIVE CODE INCLUDING LOCAL ORDINANCES AND AMENDMENTS.
C. NO CHANGES ARE TO BE MADE TO THESE PLANS WITHOUT THE KNOWLEDGE AND WRITTEN CONSENT OF THE ARCHITECT AND ENGINEER.

DESIGN CRITERIA

A. IBC 2015
B. ASCE 7-10

DESIGN METHOD

A. NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS-2015)
B. BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI-318-2014);
C. SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS (AISC 13TH EDITION);
D. SPECIFICATION FOR DESIGN OF COLD FORMED STRUCTURAL MEMBERS (AISI 2012);
E. BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES (TNS 402-13/ACI 530-13)

DESIGN LOADS

ROOF	30.0 PSF	GROUND SNOWLOAD
	21.0 PSF	ROOF SNOWw\Ct=1.0
	23.1 PSF	ROOF SNOWw\Ct=1.1
	25.2 PSF	ROOF SNOWw\Ct=1.2
		SEE DRAWINGS FOR SNOW DRIFTS AND UNBALANCED LOADING
	3 PSF	DEAD LOAD + FRAMES
	5 PSF	COLLATERAL LOAD
WIND	115 MPH	EXP B PER ASCE 7-10
		PARTIALLY ENCLOSED BUILDINGS
SEISMIC	D	SITE CLASS
	II	SEISMIC GROUP
	SDS	13.30 %
	SD1	7.10%
	B	SEISMIC USE GROUP

INTERIOR LIGHT GAGE PARTITION WALL:

A. ALL LIGHT GAGE STEEL FRAMING SHALL CONFORM TO THE AISI SPECIFICATION 2012 EDITION AND BE WELDED IN ACCORDANCE WITH AWS D1.3, OR SCREWED AS SHOWN. ALL WELDING TO BE DONE BY CERTIFIED WELDERS. SDS SHALL BE GRADE 1018 TO 1022.

B. ALL STUDS, TRACKS, JOISTS, AND ACCESSORIES 18 GAGE AND LIGHTER SHALL HAVE A MINIMUM YIELD OF 33 KSI.

C. ALL STUDS, TRACKS, JOISTS, AND ACCESSORIES 16 GAGE AND HEAVIER SHALL HAVE A MINIMUM YIELD OF 50 KSI.

D. LATERAL PARTITION LOAD = 5 PSF, DEFLECTION LIMIT = L/360.

E. LATERAL BRIDGING SPACING SHALL BE AT 4' 0".

F. STUDS, TRACKS, BRIDING, AND BRACING MEMBERS TO BE OF THE TYPE, SIZE, AND GAGE AS SHOWN ON THE PLANS AND DETAILS

G. WALL TOP TRACK BRACED AT 4' 0" O.C. BY KNEE BRACE AND CONNECTED AS SHOWN ON DRAWINGS.

H. THE WALL BOTTOM TRACK SHALL BE ANCHORED TO FLOOR WITH ½" Ø SLEEVE ANCHORS @ ENDS & 48" O.C. MAX OR POWER ACTUATED NAILS @ ENDS & 48" O.C. MAX.

I. PROVIDE SLIP TRACK AT TOP OF PARTITION WALLS.

J. STUDS DESIGNED FULL HEIGHT FOR BOTH FLANGES BRACED BY ATTACHED WALL SHEATHING AT 12" O.C.

K. HOLES IN THE WEBS OF CEILING AND FLOOR JOIST ARE NOT ALLOWED UNLESS REVIEWED AND APPROVED BY ENGINEER PRIOR TO INSTALLATION.

WOOD FRAMING:

A. WALL & ROOF TRUSSES TO BE ATTACHED TO TOP PLATES OF BEARING WALLS WITH AN H1 SIMPSON CLIP OR AS RECOMMENDED BY THE TRUSS SUPPLIER.

B. ROOF DECK TO BE APA RATED STRUCTURAL I SHEATHING EXP I WITH A MINIMUM THICKNESS OF 5/8" OSB PANEL GRADE RATED EXTERIOR EXPOSURE. USE 8D RING SHNK NAILS SPACED 6" AT EDGES AND 12" IN FIELD UNLESS NOTED OTHERWISE IN THE DRAWINGS OR SCHEDULES. USE BLOCKING AT ALL DIAGONAL EDGES WITH PANEL CLIPS AT UNSUPPORTED EDGES. USE CONTROLLED RANDOM LAYUP SHEETS LENGTHWISE ACROSS TRUSSES. USE T&G OR PANEL CLIPS AT UNSUPPORTED EDGES IF REQUIRED FOR ROOF WARRANTIES.

C. ALL SHEARWALL PANELS TO BE STRUCTURAL I PANEL OR GYPSUM BOARD.

D. DESIGN ROOF TRUSSES FOR GROSS UPLIFT AS REQUIRED BY WIND LOADS.

E. EXTERIOR WALL STUDS TO BE A MINIMUM OF 2X6 SPF #1/#2 AT 16" OC FOR INTERIOR LOAD BEARING WALLS 2X6 STUDS AT 16" oc, UNLESS NOTED DIFFERENTLY ON THE DRAWINGS.

F. JAMBS ARE DOUBLE STUDS. USE (2) SHOULDER BEARING STUD AND (2) FULL HEIGHT UNLESS NOTED DIFFERENTLY ON THE DRAWINGS OR SCHEDULES.

G. THE NUMBER AND SIZE OF NAILS CONNECTING WOOD MEMBERS SHALL BE IN ACCORDANCE WITH TABLE 2304.10.1 FASTENING SCHEDULE OF THE IBC BUILDING CODE 2015 UNLESS NOTED OTHERWISE.

H. ANCHOR SOLE PLATES TO CONCRETE AT ENDS OF MEMBERS AND 48" O.C. USE ½" SLEEVE ANCHORS WITH 7" EMBEDMENT INTO CONCRETE OR MASONRY UNLESS NOTED OTHERWISE.

I. WALL PLATES AND HOLD DOWNS REQUIRE WET SET ANCHORS IN CONCRETE OR MASONRY. EPOXY ALTERNATE ANCHORS SHALL BE REVIEWED AND APPROVED BY THE ENGINEER.

J. FLOOR DECKING TO BE APA RATED STURD-I-FLOOR EXP 1AND BE A MINIMUM 3/4" T&G WITH 48/24 RATING. USE 8D RING SHANK NAILS SPACED 6" AT EDGES AND 12" IN FIELD UNLESS NOTED OTHERWISE IN THE DRAWINGS.

K. WOOD HARDWARE NOMENCLATURE IN PLANS IS "SIMPSON." ALTERNATE MANUFACTURER SUBSTITIUTIONS SHALL BE REVIEWED AND APPROVED EQUAL.

HEATING AND VENTILATION WORK (*design by others*)

A. REQUIREMENTS
   1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH STATE AND LOCAL CODES.
   2. SEPARATE PLANS AND CALCULATIONS SHALL BE SUBMITTED BY CONTRACTOR FOR APPROVAL AS THE HEATING AND VENTILATING WORK IS NOT A PART OF THIS PLAN.
   3. ALL PENETRATIONS THROUGH RATED CONSTRUCTION SYSTEMS SHALL BE OF U.L. APPROVED METHODS.

PLUMBING WORK (*design by others*)

A. REQUIREMENTS
   1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH STATE AND LOCAL CODES.
   2. SEPARATE PLANS SHALL BE SUBMITTED BY CONTRACTOR FOR APPROVAL AS THE PLUMBING WORK IS NOT A PART OF THIS PLAN.
   3. ALL PENETRATIONS THROUGH RATED CONSTRUCTION SYSTEMS SHALL BE A U.L. APPROVED METHODS.

FIRE PROTECTION WORK (DESIGN BY OTHERS)

A. REQUIREMENTS
   1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH STATE, LOCAL AND APPLICABLE NFPA CODES.
   2. SEPARATE PLANS AND CALCULATIONS SHALL BE SUBMITTED BY CONTRACTOR FOR APPROVAL AS THE FIRE PROTECTION WORK IS NOT A PART OF THIS PLAN.
   3. ALL PENETRATIONS THROUGH RATED CONSTRUCTION SYSTEMS SHALL BE OF U.L. APPROVED METHODS.

CONCRETE:

A. TRANSIT MIXED CONCRETE SHALL CONFORM TO ASTM C94 SPECIFICATION FOR READY-MIXED CONCRETE.

B. THE WATER CEMENT RATIO SHALL BE KEPT TO A MINIMUM, AND CONCRETE SLUMP SHALL NOT EXCEED 4 INCHES WHEN TESTED IN ACCORDANCE WITH ASTM C143.

C. CONCRETE SHALL HAVE THE REQUIRED COMPRESSIVE STRENGTH AT 28 DAYS WHEN TESTED ACCORDING TO ASTMC39 AS FOLLOWS:

SLAB	4000 PSI
FOUNDATION	3000 PSI
TILT UP WALLS	SEE SHOP DRAWINGS
RETAINING WALLS	3000 PSI
GROUT FOR BASE PLATES	4000 PSI
DOCK WALLS	3000 PSI

D. PORTLAND CEMENT SHALL CONFORM TO ASTM C150 SPECIFICATION FOR PORTLAND CEMENT.

E. FINE AND COURSE AGGREGATES SHALL CONSIST OF CLEAN, HARD, STRONG AND DURABLE INERT MATERIAL, FREE OF INJURIOUS AMOUNTS OF DELETERIOUS SUBSTANCES AND CONFORM TO ASTM C33 SPECIFICATION FOR CONCRETE AGGREGATES.\

F. MIXING WATER SHALL BE FREE OF ANY ACID, ALKALI, OIL OR ORGANIC MATERIAL THAT MAY INTERFERE WITH THE SETTING OF THE CEMENT.

G. ALL EXTERIOR CONCRETE SHALL BE AIR-ENTRAINED. THE ENGINEER SHALL APPROVE ALL ADMIXTURES.

H. REINFORCING STEEL SHALL BE ASTM A615, GRADE 60, BARS TO BE WELDED SHALL BE IDENTIFIED AS GRADE 60W.

I. WELDED WIRE FABRIC OR GAGE AND SPACING SPECIFIED SHALL CONFORM TO THE REQUIREMENTS OF ASTM A82
   1. MANUFACTURING AND WAREHOUSE AREA SLABS: 6x6-W2.9xW2.9
   2. OFFICE AREA SLABS: 6x6-W1.4xW1.4

J. REINFORCING SHALL HAVE THE MINIMUM COVER REQUIREMENTS AS INDICATED IN ACI-318, LATEST EDITION WITH THE FOLLOWING MINIMUM VALUES:
   1. CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3"
   2. FORM CAST AND PERMANENTLY EXPOSED TO EARTH OR WEATHER: 1-1/2" FOR #5 BAR AND SMALLER, AND 2" FOR #6 BAR AND LARGER.

K. DIMENSIONS OF THE FINISHED PRODUCT SHALL BE WITHIN THE TOLERANCES OF ACI 117, LATEST EDITION.

L. ALL CONCRETE SHALL CURE A MINIMUM OF 7 DAYS. IF FORMS ARE REMOVED BEFORE THE END OF THE CURING PERIOD, COAT NEWLY EXPOSED SURFACES WITH LIQUID CURING COMPOUND.

M. USE CURE-SEAL-HARDENER: ASHFORD FORMULA, ON THE FLOORS, A WATER-BASED CHEMICALLY REACTIVE PENETRATING SEALER AND HARDENER THAT SEALS BY DENSIFYING CONCRETE SO THAT WATER MOLECULES CANNOT PASS THROUGH BUT AIR AND WATER VAPOR CAN, AND ALLOWS CONCRETE TO ACHIEVE FULL COMPRESSIVE STRENGTH, MINIMIZING SURFACE CRAZING AND ELIMINATING DUSTING. INSTALL PER MANUFACTURES SPECIFICATIONS.
   1. *(Specifier note - optional spec info:)*
   2. ABRASION RESISTANCE TO REVOLVING DISKS: AT LEAST A 32.5% IMPROVEMENT OVER UNTREATED SAMPLES WHEN TESTED IN ACCORDANCE WITH ASTM C779.
   3. SURFACE ADHESION: AT LEAST A 22% INCREASE IN ADHESION FOR EPOXY WHEN TESTED IN ACCORDANCE WITH ASTM D3359.
   4. HARDENING: AS FOLLOWS WHEN TESTED IN ACCORDANCE WITH ASTM C39:
      a. AFTER 7 DAYS: AN INCREASE OF AT LEAST 40% OVER UNTREATED SAMPLES.
      b. AFTER 28 DAYS: AN INCREASE OF AT LEAST 38% OVER UNTREATED SAMPLES.
   5. COEFFICIENT OF FRICTION: 0.86 DRY, 0.69 WET, WHEN TESTED IN ACCORDANCE WITH ASTM C1028.
   6. REBOUND NUMBER: AN INCREASE OF AT LEAST 13.3% OVER UNTREATED SAMPLES WHEN TESTED IN ACCORDANCE WITH ASTM C805.
   7. LIGHT EXPOSURE DEGRADATION: NO EVIDENCE OF ADVERSE EFFECTS ON TREATED SAMPLES WHEN TESTED IN ACCORDANCE WITH ASTM G23.

N. PROVIDE DOWELS IN WALL FOOTINGS WITH EQUAL SIZE AND SPACING AS VERTICAL WALL, UNLESS NOTED OTHERWISE.

O. USE NON-SHRINK, NON-METALLIC GROUT UNDER BASE PLATES AS INDICATED ON THE DRAWINGS.

P. THE CONCRETE CONTRACTOR SHALL COORDINATE ALL OTHER TRADES FOR SIZE AND LOCATION OF OPENINGS IN WALL AND FLOORS. ALL OPENINGS IN STRUCTURAL CONCRETE SHALL BE DETAILED OR APPROVED BY THE ENGINEER.

Q. PLACE STEEL REINFORCEMENT AS PER CRSI STANDARDS.

R. STEEL DESIGNATED CONTINUOUS (CONT.) #6 BARS OR SMALLER SHALL USE 33 INCH MINIMUM LAP LENGTH.

S. PROVIDE SAWCUT CONTROL JOINTS AS SHOWN IN FOUNDATION PLANS OR AT SPACING NOT GREATER THAN 3X THE SLAB THICKNESS. SAWCUTS SHALL BE 1/3 THE SLAB DEPTH. PLACE SAWCUTS 1-1/2 HRS TO 4 HRS AFTER FINISHING BEFORE CONCRETE BEGINS TO COOL.

T. HAND TOOLED CONTROL JOINTS MAY BE SUBSTITUTED FOR SAWCUT CONTROL JOINTS.

U. ALL CONSTRUCTION & CONTROL JOINTS THAT ARE REQUIRED TO BE SEALED SHALL BE DONE SO IN ACCORDANCE WITH INSTRUCTIONS OF APPROVED MATERIAL MANUFACTURER. ADJUST CONTROL & CONSTRUCTION JOINTS TO ACHIEVE INSTALLATION PER SEALANT MANUFACTURER'S REQUIREMENTS.

V. ALL ANCHORS THAT WILL BE EPOXY EMBEDDED NEED TO BE INSTALLED PER THE MANUFACTURER'S SPECIFICATIONS AND STANDARDS. INSTALLER IS RESPONSIBLE FOR PROPER CLEAN OUT OF THE HOLE TO ENSURE THE HOLE IS DRY. INSTALLER IS TO NOTIFY ENGINEER IF VOIDS OR CRACKS ARE PRESENT IN THE DRILLED HOLE.

GYPSUM BOARD

A. ALL GYPSUM BOARD SHALL BE AS MANUFACTURED BY U.S. GYPSUM, NATIONAL GYPSUM OR EQUAL. PROVIDE JOINT TAPE, JOINT COMPOUND, TEXTURE MATERIALS, AND INSTALLATION ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION IN ACCORDANCE WITH ASTM C840, GA201, GA216, GA600, AND U.S.G. "GYPSUM CONSTRUCTION HANDBOOK."
B. PROVIDE CONTROL JOINTS PER THESE REQUIREMENTS.
C. GYPSUM BOARD SHALL CONFORM TO THE FOLLOWING STANDARDS WHERE REQUIRED:
   1. FIRE RATED: ASTM C36, TYPE X OR C, UL RATED, 48 INCH BY 5/8 INCH THICK, MAXIMUM PERMISSIBLE LENGTH;
   2. MOISTURE RESISTANT: ASTM C630, TYPE X OR C, UL RATED, 48 INCH BY 5/8 INCH THICK, MAXIMUM PERMISSIBLE LENGTH.
D. ERECT BOARD VERTICALLY, WITH ENDS AND EDGES OCCURRING OVER FIRM BEARING. STAGGER END JOINTS TO OCCUR AT DIFFERENT LOCATIONS ON OPPOSITE SIDES OF WALL. ERECT EXTERIOR SHEATHING HORIZONTALLY.
E. PROVIDE M.R. DRYWALL AT ALL FRP, CERAMIC WALL TILE, PORCELAIN WALL TILE, COOLER PANEL, FREEZER PANEL AND DAMP/WET LOCATIONS.
F. USE SCREWS WHEN FASTENING TO METAL FRAMING AND NAILS TO WOOD STUDDING. STAGGER FASTENERS OPPOSITE EACH OTHER ON ADJACENT ENDS AND EDGES, SPACED AS RECOMMENDED IN "GYPSUM CONSTRUCTION HANDBOOK." DO NOT ATTACH TO TOP TRACK ON PARTITIONS EXTENDING FROM FLOOR TO STRUCTURE ABOVE.
G. ON FIRE RATED ASSEMBLIES, SEAL PENETRATIONS AND MAKE AIR-TIGHT.
H. MAXIMUM TOLERANCE FROM TRUE FLATNESS: 1/8 INCH IN 10 FEET IN ANY DIRECTION.

SEALANTS

A. CAULK AROUND ALL WINDOWS, DOORS, VENT OPENINGS, WHERE DIFFERENT MATERIALS MEET, ROOF OPENINGS, EAVES, SOFFITS, JOINTS, COUNTERTOPS, DOOR FRAMES, ETC. AND AS REQUIRED FOR A WATERTIGHT CONNECTION. PROVIDE CAULK PER MANUFACTURERS RECOMMENDATIONS. CAULK TO BE TREMCO DYMERIC FOR FOOD PROCESSING FACILITIES OR FOOD PREP/FOOD STORAGE AREAS. CAULK TO BE INSTALLED AFTER FINISH IS APPLIED TO SURFACES PER MANUFACTURER.

FIRE EXTINGUISHERS

A. REQUIREMENTS
   1. CONTRACTOR TO FURNISH AND INSTALL EXTINGUISHERS PER LOCAL, STATE, AND FEDERAL CODES, AND N.F.P.A. NO.10-1978.
   2. MOUNT FIRE EXTINGUISHER NOT HIGHER THAN 48" ABOVE FINISH FLOOR UNLESS LOCAL REGULATIONS REQUIRE DIFFERENT HEIGHT.
   3. ALL FIRE EXTINGUISHERS AND CABINETS TO MEET THE REQUIREMENTS OF THE A.D.A.

STRUCTURAL STEEL

A. PRIME PAINT.

B. ALL STRUCTURAL STEEL SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF ASTM AND SHALL BE FABRICATED AND ERECTED ACCORDING TO AISC SPECIFICATIONS.

C. ALL SHOP AND FIELD BOLTED CONNECTIONS SHALL USE A325 BOLTS AND NUTS, UNLESS OTHERWISE NOTED. INSTALL BOLTS AND NUTS PER AISC.

D. STEEL FABRICATOR & SUPPLIER SHALL DESIGN CONNECTION FOR THE LOADS INDICATED ON THE DRAWINGS. CONNECTIONS SHALL BE SHOP WELDED AND FIELD BOLTED.

E. STEEL FABRICATOR & SUPPLIER SHALL SUBMIT DIGITAL (PDF) ERECTION/SHOP DRAWINGS FOR DESIGN CONCEPT APPROVAL.

F. WELDING SHALL CONFORM TO THE LATEST EDITION OF AWS D1.1 AND ALL WELDERS ARE TO BE CERTIFIED.

G. ANY FIELD MODIFICATIONS TO STEEL WILL REQUIRE APPROVAL BY THE ENGINEER OF RECORD.

H. BASIC BOLTED CONNECTIONS ARE DESIGNED AS TYPE "BEARING N" UNLESS NOTED OTHERWISE.

I. ALL STRUCTURAL STEEL SECTIONS AND WELDED PLATE MEMBERS ARE DESIGNED IN ACCORDANCE WITH THE AISC "SPECIFICATIONS FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL BUILDINGS" ALLOWABLE STRESS DESIGN, NINTH EDITION.

J. ALL WELDING OF STRUCTURAL STEEL IS BASED ON AWS D1.1 "STRUCTURAL WELDING CODE".

K. MATERIAL SPECIFICATIONS:

PLATE 1"-12" WIDE AND THROUGH 1.5" THICK	A572 GRADE 50, MODIFIED TO 55 KSI
OTHERS	A-36
BUILT-UP STRUCTURAL WEB MATERIAL	A-607 GRADE 55 OR A507 GRADE 50 w/MIN. YIELD OF 55 KSI
HOT-ROLLED STRUCTURAL	A992 GRADE 50
HSS STRUCTURAL TUBE	A500 GR. B (46 KSI RECT/42KSI ROUND)
STRUCTURAL PIPE	A53 GRADE B (35 KSI)
ROD BRACING	A-36
CABLE BRACING	EHS A475
WELDS	AWS/D1.1 E70XX
HIGH-STRENGTH BOLTS	A-325 OR A-490
MACHINE BOLTS	A-307 GRADE A OR SAE J429 GRADE 2

L. THE GENERAL CONTRACTOR AND/OR ERECTOR IS RESPONSIBLE TO SAFELY AND PROPERLY ERECT [*THE METAL BUILDING SYSTEM*] IN CONFORMANCE WITH THESE DRAWINGS, OSHA REQUIREMENTS, AND [*MBMA STANDARDS*] PERTAINING TO PROPER ERECTION. THIS INCLUDES, BUT IS NOT LIMITED TO, THE CORRECT USE OF TEMPORARY GUYS AND BRACING WHERE NEEDED FOR SQUARING, PLUMBING, AND SECURING THE STRUCTURAL AND SECONDARY FRAMING. SECONDARY WALL FRAMING MEMBERS (GIRTS) ARE NOT DESIGNED TO FUNCTION AS A WORK PLATFORM OR PROVIDE SAFETY TIE OFF ATTACHMENT IN ACCORDANCE WITH OSHA REQUIREMENTS. SECONDARY ROOF FRAMING MEMBERS (PURLINS OR BAR JOISTS) ARE NOT DESIGNED TO PROVIDE SAFETY TIE OFF ATTACHMENT IN ACCORDANCE WITH OSHA REQUIREMENTS.

M. ALL HIGH STRENGTH BOLTS ARE TYPE A325 AND ARE TO BE FULLY TIGHTENED BY AN ACCEPTABLE METHOD, SUCH AS "TURN OF THE NUT" METHOD. UNLESS NOTED OTHERWISE, BOLTS IN STANDARD HOLES DO NOT REQUIRE THE USE OF WASHERS, PER ASTM A325, SECTION 5(B).

N. ALL A307 MACHINE BOLTS ARE TO BE BROUGHT TO A "SNUG TIGHT" CONDITION TO ENSURE THAT THE MATERIALS IN THE JOINT ARE BROUGHT INTO GOOD CONTACT WITH EACH OTHER.

O. WASHERS ARE REQUIRED AT ALL SLOTTED CONNECTIONS.
   1. AT HOLE TO SLOT CONNECTIONS, ONE WASHER IS REQUIRED ON THE SLOTTED SIDE.
   2. AT SLOT TO SLOT CONNECTIONS, TWO WASHERS ARE REQUIRED, ONE ON EACH SIDE OF THE CONNECTION.

P. STRUCRITE, INC., SHALL BE NOTIFIED PRIOR TO ANY FIELD MODIFICATIONS. MODIFICATIONS SHALL BE APPROVED BY STRUCRITE, INC., BEFORE WORK IS UNDERTAKEN.

Q. ALL WELDING MUST BE PERFORMED BY AWS CERTIFIED WELDERS WHO ARE QUALIFIED FOR THE WELDING PROCESSES AND POSITIONS INDICATED. ALL WORK MUST BE COMPLETED AND INSPECTED IN ACCORDANCE WITH THE APPLICABLE AWS SPECIFICATIONS. WELD ELECTRODES USED FOR THE SMAW (OR STICK) WELD PROCESS MUST BE 70 KSI STEEL AND LOW HYDROGEN CONTENT.

FOUNDATION:

A. THE SOIL BEARING CAPACITY IS PRESUMED TO BE 2000 PSF. SOIL ENGINEERS TO VERIFY BEARING CAPACITY AND EXPLORE SUBGRADE TO A DEPTH OF 45' FOR UNSTABLE SOIL CONDITIONS.

B. COMPLETE NORMAL CLEARING AND GRUBBING OPERATIONS OVER THE ENTIRE BUILDING PAD AREA.

C. REMOVE UNSUITABLE MATERIAL BELOW FOUNDATION. THE DEPTH OF REMOVAL IS DICTATED BY THE UNSUITABLE SOILS ENCOUNTERED SUCH AS SILT, ORGANIC MATTER, ROOTS, VEGETATION AND RANDOM FILL MATERIALS, i.e. WOOD, SCRAP METAL, AND MUCK.

D. FOUNDATIONS SHALL BEAR ON UNDISTURBED SOIL WITH A CAPACITY OF 2000 PSF, OR ON COMPACTED FILL WITH A BEARING CAPACITY OF NOT LESS THAN 2000 PSF.

E. FILL MATERIALS REQUIRED SHALL BE PLACED IN LIFTS NOT TO EXCEED 9" AND COMPACTED TO 95% RELATIVE COMPACTION AT OPTIMUM MOISTURE CONTENT WITHIN A DISTANCE OF 5 FEET BEYOND THE BUILDING EDGES.

F. WHEN USING COMPACTED FILL TO ACHIEVE THE PROPER GRADE FOR FOUNDATIONS, THE COMPACTED FILL SHALL HAVE A SLOPE OF NOT GREATER THAN 2' HORIZONTAL FOR EVERY 1' VERTICAL.

G. PLACE GRANULAR MATERIAL UNDER FOOTINGS & FLOOR SLABS: MINIMUM 6"

H. BASEMENT WALLS AND RETAINING WALL DESIGNS ARE PREDICATED ON ALL FINAL RESTRAINTS AS SHOWN IN PLANS COMPLETED BEFORE BACKFILLING OPERATIONS ARE FINALIZED.

I. DIFFERENTIAL BACKFILLING BETWEEN INTERIOR AND EXTERIOR OF WALL WHERE OCCURS, SHALL NOT EXCEED 2 FEET.

J. MECHANICAL CONTRACTORS ARE RESPONSIBLE TO COORDINATE PLUMBING AND ELECTRICAL SLAB OPENINGS, CONDUIT AND PIPE RUNS, BLOCKOUTS, AND ALL OTHER SLAB ADJUSTMENTS WITH THE CONCRETE CONTRACTOR.

K. GENERAL CONTRACTOR SHALL REVIEW ALL CHANGES TO FOUNDATION PLANS AND DETAILS WITH THE STRUCTURAL ENGINEER.

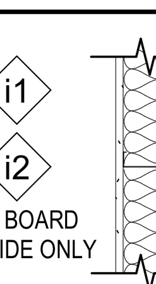
ELECTRICAL WORK (*design by others*)

A. REQUIREMENTS
   1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH STATE AND LOCAL CODES.
   2. SEPARATE PLANS AND CALCULATIONS SHALL BE SUBMITTED TO STATE AND LOCAL AGENCIES BY CONTRACTOR FOR APPROVAL AS THE ELECTRICAL WORK IS NOT A PART OF THIS PLAN.
   3. ALL PENETRATIONS THROUGH RATED CONSTRUCTION SYSTEMS SHALL BE OF U.L. APPROVED METHODS
B. AUTOMATIC SMOKE DETECTION SYSTEM (NOTE: DO NOT INCLUDE UNLESS REQUIRED)
   1. SMOKE DETECTION SYSTEM SHALL COMPLY WITH LOCAL, STATE, AND FEDERAL CODES, AND N.F.P.A. STANDARDS 71, 72B, 72C, 72D, 72E.
   2. AUTOMATIC DETECTION PRODUCTS SHALL BE AN APPROVED SYSTEM, MEETING FEDERAL, STATE AND LOCAL CODES.
   3. ALL SMOKE DETECTORS SHALL BE BOTH AUDIBLE AND VISUAL AS REQUIRED BY THE A.D.A.

WALL & FLOOR / CEILING ASSEMBLIES:

INTERIOR WALLS

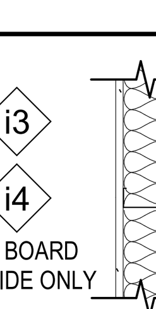
i1 / i2 — GYP BOARD TAG SIDE ONLY



TAG SIDE
5/8" GYP BOARD
362S125-18 METAL STUDS @ 16" O.C.
SOUND BATT INSULATION (i1 ONLY)
5/8" GYP BOARD (i1 ONLY)

i1 WALL THICKNESS: 4 7/8"
i2 WALL THICKNESS: 4 1/4"

i3 / i4 — GYP BOARD TAG SIDE ONLY

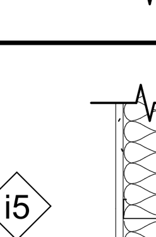


TAG SIDE
5/8" TYPE "X" GYP BOARD
362S162-68 METAL STUDS @ 16" O.C.
SOUND BATT INSULATION (i3 ONLY)
5/8" TYPE "X" GYP BOARD (i3 ONLY)

i3 WALL THICKNESS: 4 7/8"
i4 WALL THICKNESS: 4 1/4"

FIRE RATING = 1HR RATED (PER IBC 601)

i5

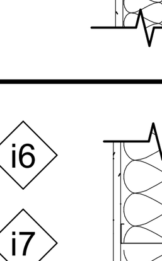


TAG SIDE
5/8" TYPE "X" GYP BOARD
362S162-54 METAL STUDS @ 16" O.C.
R-13 BATT INSULATION
5/8" TYPE "X" GYP BOARD

i5 WALL THICKNESS: 4 7/8"

FIRE RATING = 1HR RATED (PER IBC 601)

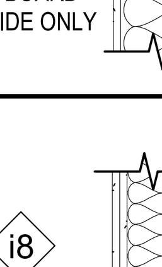
i6 / i7 — GYP BOARD TAG SIDE ONLY



TAG SIDE
5/8" GYP BOARD
600S162-33 METAL STUDS @ 16"O.C.
SOUND BATT INSULATION (i6 ONLY)
(NO SOUND BATT @ KNEE WALL)
5/8" GYP BOARD (i6 ONLY)

i6 WALL THICKNESS: 7 1/4"
i7 WALL THICKNESS: 6 5/8"

i8 — 2 HR RATING



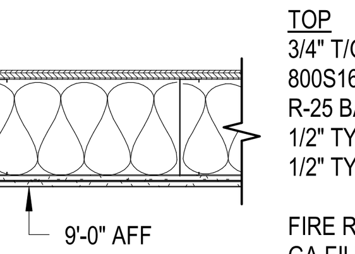
TAG SIDE
5/8" TYPE "X" GYP BOARD
5/8" TYPE "X" GYP BOARD
2x4 WOOD STUDS @ 16" O.C.
3 1/2" BATT INSULATION
5/8" TYPE "X" GYP BOARD
5/8" TYPE "X" GYP BOARD

i3 WALL THICKNESS: 6"

WALL RATINGS:
FIRE RATING: 2HR
UL U301

FLOOR / CEILING

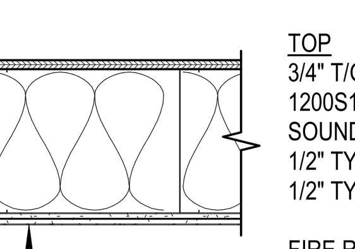
f1



TOP
3/4" T/G PLYWOOD DECK
800S162-54 JOISTS @ 16" O.C.
R-25 BATT INSULATION
1/2" TYPE "X" GYP BOARD
1/2" TYPE "X" GYP BOARD

FIRE RATING = 1HR (PER IBC 601)
GA FILE NO. FC 4503

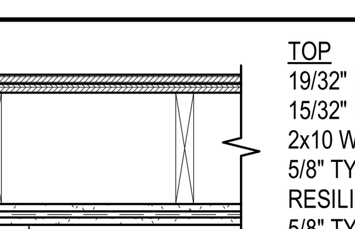
f2



TOP
3/4" T/G PLYWOOD DECK
1200S162-97 JOISTS @ 16" O.C.
SOUND BATT INSULATION
1/2" TYPE "X" GYP BOARD
1/2" TYPE "X" GYP BOARD

FIRE RATING = 1HR (PER IBC 601)
GA FILE NO. FC 4503

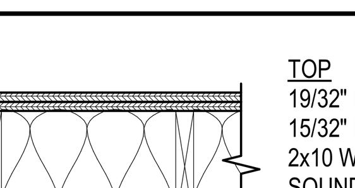
f3



TOP
19/32" PLYWOOD T/G
15/32" PLYWOOD T/G
2x10 WOOD JOISTS @ 16" O.C.
5/8" TYPE "X" GYP BOARD
RESILIENT FURRING CHANNEL
5/8" TYPE "X" GYP BOARD

FIRE RATING = 2HR
GA FILE NO. FC 5724

f4



TOP
19/32" PLYWOOD T/G
15/32" PLYWOOD T/G
2x10 WOOD JOISTS @ 16" O.C.
SOUND BATT INSULATION
5/8" TYPE "X" GYP BOARD
RESILIENT FURRING CHANNEL
5/8" TYPE "X" GYP BOARD

FIRE RATING = 2HR
GA FILE NO. FC 5724

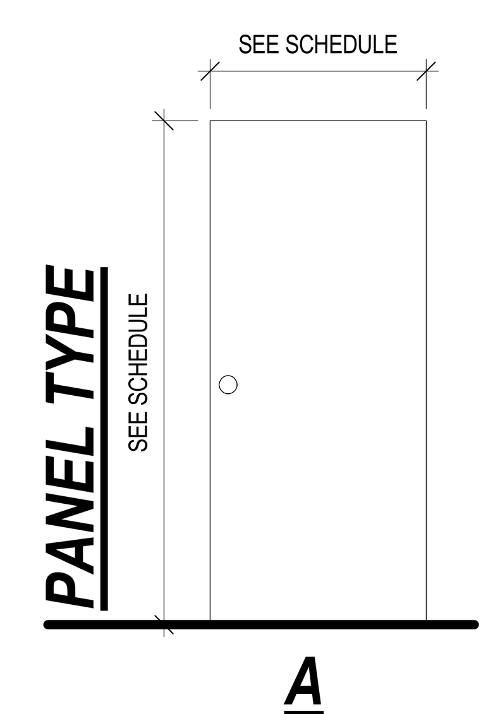
MASONRY LEDGER (2x10 P/T)
USE 5/8"x9" THREADED ROD
HILTI HY 270 ADHESIVE w/
SCREEN TUBES @ 16" O.C.
CONCRETE LEDGER (2x10 P/T)
USE 5/8"x6 1/4" HILTI KWIK
HUS-EZ@ 16" O.C.

ASSEMBLIES NOTE:

IF FASTENING TYPE / PATTERN IS NOT NOTED, INSTALLER TO REFERENCE UL LISTED ASSEMBLY FOR PROPER FASTENING REQUIREMENTS

DOOR SCHEDULE

MARK	LOCATION	WIDTH	HEIGHT	FIRE RATING	DOOR PANEL TYPE	DOOR PANEL MATERIAL	DOOR PANEL FINISH	DOOR FRAME MATERIAL	DOOR FRAME FINISH	COMMENTS	HARDWARE SET
100	EXTERIOR GARAGE DOOR	10' - 0"	8' - 0"			GLASS		ALUM.			150
101	SOUTH EXIT	3' - 0"	7' - 0"	90 MIN.	A	WOOD	STAIN	HM	PAINT		130,201,210,211,212
102	MENS BATH	3' - 0"	7' - 0"		A	WOOD	STAIN	HM	PAINT		140, 201
103	JANITOR CLOSET	3' - 0"	7' - 0"	20 MIN.	A	WOOD	STAIN	HM	PAINT		105, 201
104	WOMENS BATH	3' - 0"	7' - 0"		A	WOOD	STAIN	HM	PAINT		140, 201
5											



DOOR HARDWARE TYPES:

ALL HARDWARE FINISHES TO BE:
#619 SATIN NICKEL

100 - SCHLAGE AL SERIES LEVER, SATURN DESIGN, FUNCTION: PASSAGE LATCH
105 - SCHLAGE AL SERIES LEVER, SATURN DESIGN, FUNCTION: STOREROOM LOCK
106 - BARN DOOR PULL HARDWARE

120 - SCHLAGE B SERIES GRADE 1, DEAD BOLT FINISH: MATCH LOCKSET

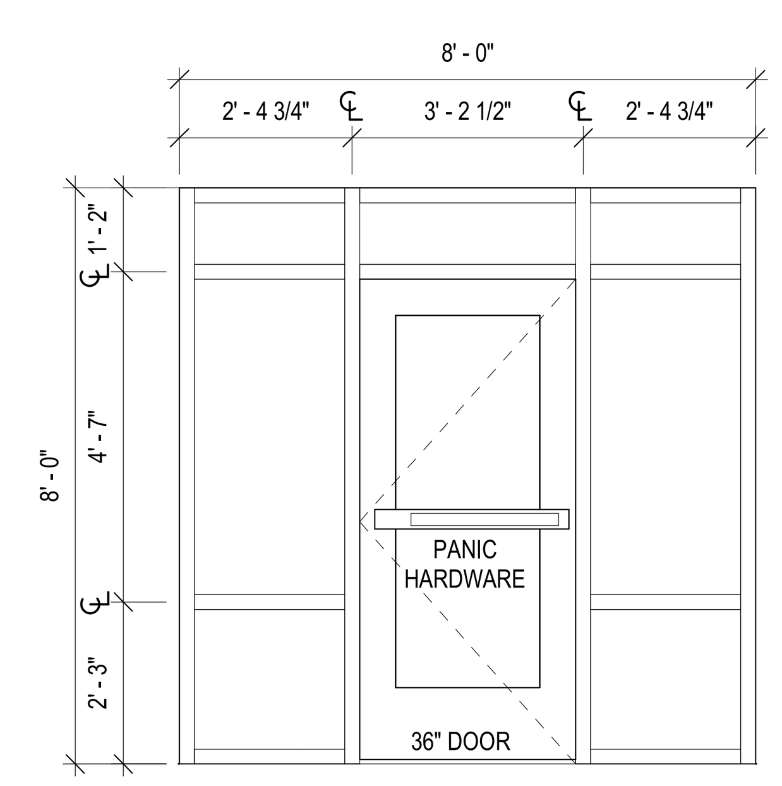
130 - VON DUPRIN DERIES 98-99 PANIC EXIT BAR FINISH: #628, ANODIZED ALUMINUM

140 - PUSH / PULL HARDWARE

150 - GARAGE DOOR OPENER - VERTICAL LIFT

201 - LCN 1000 SERIES, DOOR CLOSER (OFFICE/ RETAIL USES)
202 - LCN 3130SE / 4040SE SERIES, DOOR CLOSER & HOLD OPEN

210 - DOOR SEALS
211 - DOOR SWEEP
212 - LOW PROFILE THRESHOLD, MEETS ANSI-117.1-2003 STANDARDS



1 STOREFRONT GLASS ELEVATION
3/8" = 1'-0"

DOOR & DOOR FRAME NOTES:

- INSULATE ALL HOLLOW METAL DOOR FRAMES WITH FIBERGLASS INSULATION.
- PROVIDE ALL HOLLOW METAL FRAMES w/ (1) COAT PRIMER & (2) COATS PAINT.
- ALL HOLLOW METAL FRAMES TO BE REINFORCED & PREPARED FOR HARDWARE.
- ALL WELDED FRAMES SHALL BE 16ga (MIN.)
- ALL HOLLOW METAL DOORS SHALL BE 18ga (MIN.)
- ALL EXTERIOR DOORS SHALL BE PROVIDED WITH WEATHERSTRIPPING.
- ALL DOOR THRESHOLDS SHALL NOT EXCEED 1/2" IN HEIGHT.
- ALL DOORS SHALL MEET A.D.A. REQUIREMENTS.
- PROVIDE LEVER TYPE HANDLES ON ALL DOORS.
- PROVIDE CAULKING AT ALL DOOR FRAMES, WINDOWS & WHERE NOTED ON PLANS.
- PROVIDE DOOR COORDINATORS ON PAIRS OF DOORS AS REQUIRED.
- VERIFY w/ H.V.A.C. CONTRACTOR FOR DOOR UNDERCUTS & GRILLES.
- ALL SIGNAGE TO ME MOUNTED AT A.D.A. HEIGHT (SEE GENERAL SPECIFICATIONS).
- O.H. DOORS TO BE PROVIDED w/ ELECTRIC DOOR OPERATOR w/ 3-BUTTON CONTROLS.
- UNLESS NOTED OTHERWISE, ALL OVERHEAD DOORS SHALL HAVE A U-FACTOR OF 0.2 OR BETTER.
- UNLESS NOTED OTHERWISE, ALL EXTERIOR WALK DOORS SHALL HAVE A U-FACTOR OF 0.45 OR BETTER.

DOOR HARDWARE NOTES:

1. ALL HANDLES, PULLS, LATCHES, LOCKS, & OTHER PARTS ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND & DOES NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST TO OPERATE. SUCH HARDWARE SHALL BE 34 INCHES MINIMUM TO 48 INCHES MAXIMUM ABOVE THE FLOOR OR GROUND. WHERE SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES.
2. DOOR CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME TO MOVE THE DOOR TO AN OPEN POSITION OF 12 DEGREES SHALL BE 5 SECONDS MINIMUM.
3. DOOR SWING HINGES SHALL BE ADJUSTED SO THAT THE OPEN POSITION OF 70 DEGREES, THE DOOR SHALL MOVE TO THE CLOSED POSITION IN 1.5 SECONDS MINIMUM, MEASURED UNDER AMBIENT CONDITIONS.
4. FIRE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE AUTORITY. THE MAXIMUM FORCE FOR PUSHING OPEN OR PULLING OPEN DOORS OTHER THAN FIRE DOORS SHALL BE AS FOLLOWS:
   A. INTERIOR HINGED DOOR: 5.0 POUNDS (22.2N)
   B. SLIDING OR FOLDING DOOR: 5.0 POUNDS (22.2N)
   THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT HOLD THE DOOR IN A CLOSED POSITION.
5. DOOR SURFACE WITHIN 10 INCHES OF THE FLOOR OR GROUND MEASURED VERTICALLY SHALL BE A SMOOTH SURFACE ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR. PARTS CREATING HORIZONTAL OR VERTICAL JOINTS IN SUCH SURFACE SHALL BE WITHIN 1/16 INCH OF THE SAME PLANE AS THE OTHER. CAVITIES CREATED BY ADDED KICK PLATE SHALL BE CAPPED.
   EXCEPTIONS:
   A. SLIDING DOORS
   B. TEMPERED GLASS DOORS WITHOUT STILES & HAVING A BOTTOM RAIL OR SHOE WITH THE TOP LEADING EDGE TEMPERED AT NO LESS THAN 60 DEGREES FROM THE HORIZONTAL SHALL NOT BE REQUIRED TO MEET THE 10 INCH BOTTOM RAIL HEIGHT REQUIREMENT.
   C. DOORS WHICH DO NOT EXTEND TO WITHIN 10 INCHES OF THE FLOOR OR GROUND.
6. DOOR & SIDELIGHTS ADJACENT TO DOORS CONTAINING ONE OR MORE GLAZING PANELS THAT PERMIT VIEWING THROUGH THE PANELS SHALL HAVE THE BOTTOM OF AT LEAST ONE PANEL 43 INCHES MAXIMUM ABOVE THE FLOOR OR GROUND.

StrucRite
Architectural & Engineering Services
707 N. Grand Ave. - Suite 102
Waukesha, WI 53186
262.549.3222 - www.srdinc.biz

North Pillar Brewing
212 E. North Street
Waukesha, WI

REVISIONS

No.	DATE	DESCRIPTION

THESE DOCUMENTS REFLECT INTENT AND MAY BE SUBJECT TO CHANGE. THESE ARE NOT FINAL CONSTRUCTION DOCUMENTS AND SHOULD NOT BE USED FOR FINAL BIDDING OR CONSTRUCTION-RELATED PURPOSES.

CONSTRUCTION DOCUMENTS

SHEET TITLE: ASSEMBLIES & SPECS.
JOB NUMBER: 22087
ISSUED DATE: 05.02.2023
DRAWN BY: JJR
SHEET NUMBER: **A6.0**

5/2/2023 2:49:22 PM