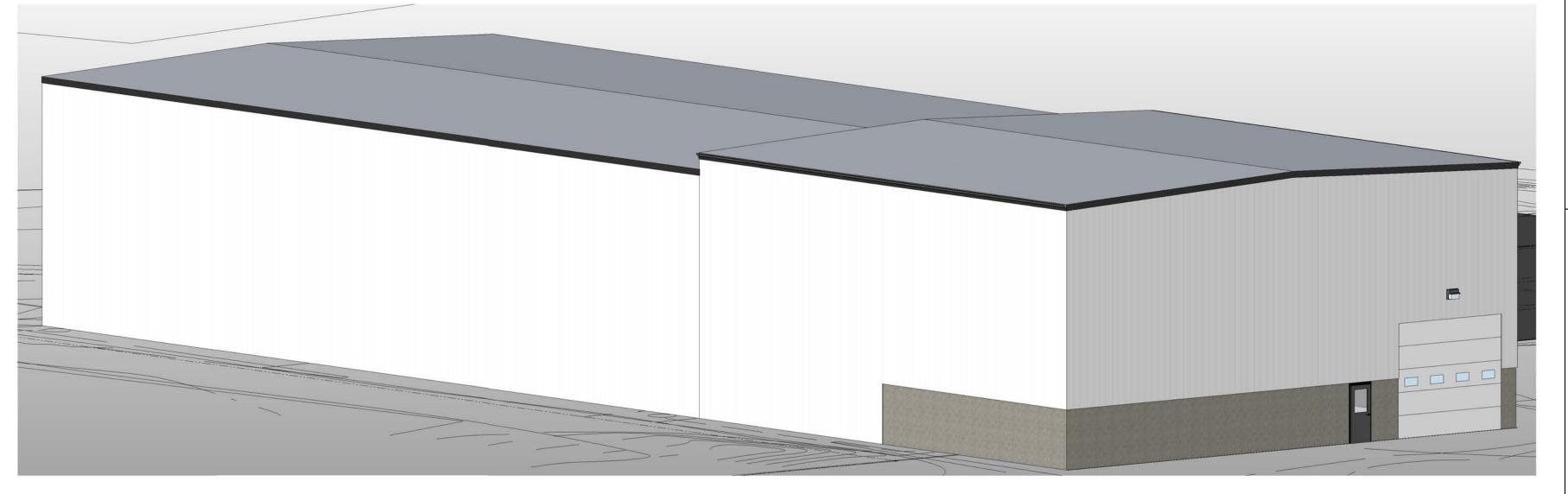
Atlas Metals ADDITION

521 Biddle Street Waukesha, WI 53186

NOT FOR CONSTRUCTION



StrucRite 805 CLINTON ST. WAUKESHA, WI 53186 262.549.3222 - WWW.SRDINC.BIZ

ALL DRAWINGS AND WRITTEN MATERIA APPEARING HEREIN CONSTITUTE ORIGINA AND UNPUBLISHED WORK OF THE DESIGN ROFESSIONAL AND MAY NOT BE DUPLICATED USED OR DISCLOSED WITHOUT WRITTEN

CONSENT OF STRUCRITE INC.

Atlas Metals ADDITION

521 Biddle Street Waukesha, WI 53186

SUPERVISING PROFESSIONAL

ABBREVIATIONS ACOUSTICAL CEILING TILE ADJUSTABLE FLOOR LIN AUTOMATIC DOOR OPERATOR ANOD ANODIZED FOOT OR GALVANIZED BY OTHERS BOTH SIDES BT JNT BUTT JOINT HB HOSE BIB BTWN BETWEEN HDW HARDWARE HDWD HARDWOOD CAS CARD ACCESS SYSTEM HM HOLLOW METAL CATCH BASIN HORZ HORIZONTAL CF/CI CONTRACTOR HORSE POWER FURNISHED/CONTRACTOR HOUR INSTALLED HTR HEATER CORNER GUARD HVAC HEATING, VENTILATION & AIR COAT HOOK CONDITIONING CONTROL JOINT CENTER LINE INSIDE DIAMETER CEILING INCL INCLUDE, INCLUDING CLOSET CLR CLEAR INT INTERIOR CONCRETE MASONRY UNIT CASED OPENING JAN JANITOR COLUMN JOINT CONC CONCRETE

ROOM ROUGH OPENING SHR SHT SPKR KO KNOCK OUT SSK KS KNEE SPACE STC LENGTH, LONG STD LAV LAVATORY STL LBS POUND(S) LKR LOCKER LT WT LIGHT WEIGHT MAS MASONRY TEMP MATL MATERIAL T&G MAX MAXIMUM MECH MECHANICAL THK

CONT CONTINUE, CONTINUOUS CORR CORRIDOR COURSE, COURSES CERAMIC TILE CENTER CABINET UNIT HEATER DEFS ERECT APPLIED EXTERIOR FINISH SYSTEM DEMO DEMOLITION DEPRESSED DRINKING FOUNTAIN MED MEDIUM DIAMETER MFR MANUFACTURER DIAGONAL MANHOLE **DIMENSION** MIDDLE DISPENSER MINIMUM DIVISION MIRROR DOWN MISC MISCELLANEOUS DR OPNGDOOR OPENING MO MASONRY OPENING MSB MOP SERVICE BASIN DOWNSPOUT MTD MOUNTED DRAIN TILE MTL METAL DISHWASHER DRAWER NO NUMBER EACH EXTERIOR INSULATION FINISH NOM NOMINAL NTS NOT TO SCALE **EXPANSION JOINT** ELEVATION ELEC ELECTRICAL/ELECTRICAL OVERALL ELEV ELEVATOR ON CENTER EMER EMERGENCY OD OUTSIDE DIAMETER ELECTRICAL PANEL OF/CI OWNER FURNISHED/ EQUP EQUIPMENT OVERFLOW DRAIN

CONTRACTOR INSTALLED OPNG OPENING OPP OPPOSITE PED PEDESTAL PERIM PERIMETER PLATE PROPERTY LINE PLAM PLASTIC LAMINATE PLBG PLUMBING PLYWD PLYWOOD YD YARD(S) PNL JNT PANEL JOINT

POC POINT OF CONNECTION

PR PAIR

PARKING

POUNDS PER SQUARE FOOT

PAPER TOWEL DISPENSER

ROOF DRAIN REQUEST FOR INFORMATION

RISER

RETURN AIR

ROW RIGHT OF WAY RTU ROOF TOP UNIT SOUND ATTENUATION BATTS SUPPLY AIR GRILL SOLID CORE SCHED SCHEDULE SOAP DISPENSER

SECT SECTION SHOWER SHEET SHT MTLSHEET METAL SHV SHELF, SHELVING SIMII AR SHELF & POLE SPECIFICATION

SPEAKER SQUARE SOLID SURFACE SERVICE SINK SOUND TRANSMISSION COEFFICIENT STANDARD

STEEL STOR STORAGE STRUCT STRUCTURAL SUSP SUSPENDED

TREAD **TEMPORARY** TONGUE & GROOVE THICKNESS TLT TOILET TO OF (ITEM) TOP OF CONCRETE TOP OF FOOTING TOF TOP TOP OF PAVEMENT TOS TOP OF STEEL TOW TOP OF WALL

TPD TOILET PAPER DISPENSER TYP TYPICAL UCR UNDERCOUNTER REFRIGERATOR UNDERWRITERS LABORATORY UNLESS NOTED OTHERWISE

URINAL VARIABLE AIR VOLUME VAPOR BARRIER VCT VINYL COMPOSITE TILE VERT VERTICAL VEST VESTIBULE VERIFY IN FIELD VAPOR RETARDER

VWC VINYL WALL COVERERING WITH WATERCLOSET WOOD WIDE FLANGE WATER HEATER WITHOUT WORKSTATION WWF WELDED WIRE FABRIC WWM WEEDED WIRE MESH

SYMBOLS LEGEND

WALL TAG PROJECT KEYED NOTE **EMERGENCY EXIT SIGN** FIRE EXTINGUISHER **EXISTING CONSTRUCTION NEW CONSTRUCTION** TYPICAL DIMENSION

GENERAL NOTES

DIMENSION SHOWING

FINISH TO FINISH

1. ALL WORK SHALL COMPLY WITH ALL LOCAL, STATE & NATIONAL CODES HAVING

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

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

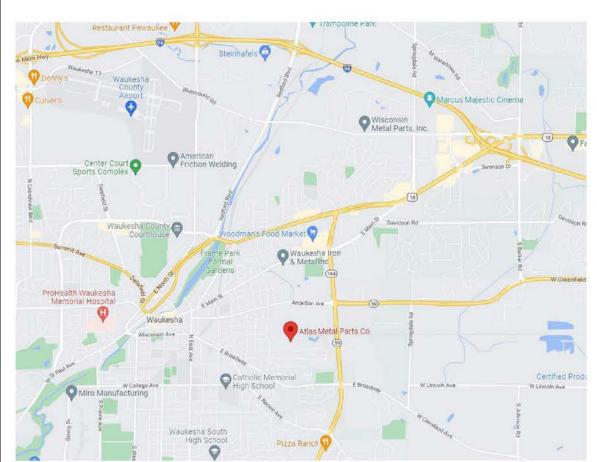
13. GENERAL AND SUB CONTRACTS SHALL EXERCISE ALL REASONABLE PRECAUTIONS FOR THE PROTECTION OF PERSONS AND PROPERTY ON THE SITE. ALL SAFETY PROVISIONS AND APPLICABLE LAWS FOR BUILDING AND CONSTUCTION

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

LOCATION MAP





VICINITY MAP





SHEET INDEX

1-GENERAL	
G1.0	COVER PAGE
G1.1	BUILDING AREAS
2-CIVIL	
C100	GRADING & PAVING PLAN
C200	DETAIL PLAN
3-ARCHITEC	CTURAL
A1.1	FLOOR PLAN
A1.3	ROOF PLAN
A2.0	EXTERIOR ELEVATIONS
S1.0	FOUNDATION PLAN
S1.1	FOUNDATION DETAILS
S1.2	FOUNDATION DETAILS
S2.0	1st LEVEL FRAMING
S3.0	DETAILS
S4.0	SPECIFICATIONS

Atlas Metal Parts Thomas Magnor 521 Biddle St Waukesha, WI

DESIGNER/

StrucRite, Inc. Boyd E. Coleman, P.E President, Engineer

805 Clinton Street

262.549.3222

Waukesha, WI 53186

Ford Construction 1419 Poplar Dr Waukesha, WI 262-896-9370

ARCHITECTURAL SPECIFICATIONS

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."

PROVIDE CONTROL JOINTS PER THESE REQUIREMENTS 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

2. MOISTURE RESISTANT: ASTM C630, TYPE X OR C, UL RATED, 48 INCH BY 5/8 INCH THICK, MAXIMUM PERMISSIBLE LENGTH. 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. PROVIDE M.R. DRYWALL AT ALL FRP, CERAMIC WALL TILE, PORCELAIN WALL TILE, COOLER PANEL FREEZER PANEL AND DAMP/WET LOCATIONS.

USE SCREWS WHEN FASTENING TO METAL FRAMING AND SCREWS OR 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.

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

 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.

HEATING AND VENTILATION WORK (design by others)

 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

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

ELECTRICAL WORK (design by others)

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.

AUTOMATIC SMOKE DETECTION SYSTEM (NOTE: DO NOT INCLUDE UNLESS REQUIRED)

3. ALL PENETRATIONS THROUGH RATED CONSTRUCTION SYSTEMS SHALL BE OF U.L. APPROVED

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.

FIRE PROTECTION WORK (design by others)

1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH STATE, LOCAL AND APPLICABLE NFPA

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

No. DATE DESCRIPTION

REVISIONS

THESE DOCUMENTS REFLECT INTENT AND MAY BE SUBJECT TO CHANGE. THESE ARE NOT FINAL **CONSTRUCTION**

DOCUMENTS AND SHOULD NOT BE USED FOR FINAL <u>BIDDING OR CONSTRUCTION-</u> RELATED PURPOSES.

NOT FOR CONSTRUCTION

COVER PAGE JOB NUMBER ISSUED DATE: 09.23.2022

DRAWN BY:

EXIST EXISTING EXPO EXPOSED

DWR

ELECTRIC STRIKE

EWC ELECTRIC WATER COOLER

ETR EXISTING TO REMAIN

EXPANSION

EXTERIOR

FIRE ALARM

FLOOR DRAIN

FINISH FACE

FIRE EXTINGUISHER

FIRE EXTINGUISHER CABINET

EXH FN EXHAUST FAN

Project Information

90.1 (2013) Standard Energy Code: Atlas Metals Addition 70x70 Project Title: Location: Waukesha, Wisconsin Climate Zone: Project Type:

EnergyPlus 8.1.0.009 (EPW: USA_WI_Milwaukee-

Mitchell.Intl.AP.726400_TMY3.epw)

Construction Site: 521 Biddle Waukesha, WI 53186

Performance Sim. Specs:

Owner/Agent: Atlas Metals 521 Biddle Waukesha, WI 53186 Designer/Contractor: Boyd Coleman StrucRite, Inc 707 N Grand Waueksha, WI 53186

Report date: 09/23/22

Page 1 of 9

Building Area Floor Area 1-Manufacturing Facility: Nonresidential 4990

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U- Factor _(a)
Roof 1: Other Metal Building Roof, [Bldg. Use 1 - Manufacturing Facility] (b)	4900	1909		0.031	0.031
Floor 1: Slab-On-Grade:Unheated, Vertical 4 ft., [Bldg. Use 1 - Manufacturing Facility] (c)	210	523	10.0	0.480	0.510
<u>NORTH</u> Exterior Wall 1: Other Metal Building Wall, [Bldg. Use 1 - Manufacturing Facility] (b)	1727			0.052	0.050
Ext. Wall: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Manufacturing Facility]	513	13.0	10.0	0.055	0.049
<u>EAST</u> Exterior Wall 2: Other Metal Building Wall, [Bldg. Use 1 - Manufacturing Facility] (b)	1727			0.052	0.050
Ext. Wall: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Manufacturing Facility]	513	13.0	10.0	0.055	0.049
Door: Insulated Metal, Swinging, [Bldg. Use 1 - Manufacturing Facility]	21		and.	0.450	0.500
Door: Insulated Metal, Non-Swinging, [Bldg. Use 1 - Manufacturing Facility]	224	(Market	8222	0.200	0.500
SOUTH Exterior Wall 3: Other Metal Building Wall, [Bldg. Use 1 - Manufacturing Facility] (b)	1984	222		0.052	0.050
Ext. Wall: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Manufacturing Facility]	256	13.0	10.0	0.055	0.049
<u>WEST</u> Ext. Wall: Other Metal Building Wall, [Bldg. Use 1 - Manufacturing Facility] (b)	140			0.052	0.050

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements. (b) 'Other' components require supporting documentation for proposed U-factors.

elope PASSES: Design 1% better than code

Envelope Compliance Statement

Project Title: Atlas Metals Addition 70x70

Data filename:

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 90.1 (2013) Standard requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

(c) Slab-On-Grade proposed and budget U-factors shown in table are F-factors.

Project Title: Atlas Metals Addition 70x70 Report date: 09/23/22 Data filename: Page 2 of 9

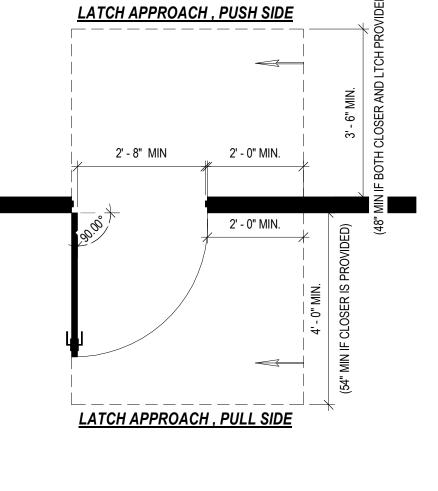
HINGE APPROACH, PUSH SIDE (IF BOTH CLOSER AND LATCH PROVIDED) (IF BOTH CLOSER & LATCH ARE PROVIDED) 2' - 8" MIN 3' - 6" MIN. HINGED DOORWAY CLEARANCE HINGE APPROACH, PULL SIDE FRONT APPROACH, PULL SIDE 3' - 0" MIN. **DOORWAY WITHOUT DOOR CLEARANCE** ADA DOOR CLEARANCES HINGE APPROACH , PULL SIDE NOT ALL ARE USED. SEE PLANS FOR APPLICABLE FIXTURES & ACCESSORIES. FOR INFORMATION ONLY.

LIFE SAFETY ANALYSIS

SUBMITTAL TYPE	ADDITION			MAXIMUM EXIT DISTANCE	MAXIMUM	300'-0"	ACTUAL	153'-0"
TYPE OF CONSTRUCTION	IIB			MAXIMUM COMMON PATH	MAXIMUM	100'-0"	ACTUAL	0
NUMBER OF STORIES	1			MAXIMUM DEAD-END CORRIDOR	MAXIMUM	20'-0"	ACTUAL	0'-0"
SPRINKLED	YES			TOTAL NUMBER OF EXITS	REQUIRED	2	ACTUAL	3
SPRINKLER TYPE	NFPA-13			REQUIRED STAIR WIDTH	REQUIRED	NA	ACTUAL	NA
FIRE SUPPRESSION	NO			REQUIRED EGRESS WIDTH	REQUIRED	36	ACTUAL	108
FIRE ALARM				MAIN OCCUPANCY TYPE	F-2			
ALARM TYPE				ALL OCCUPANCY TYPES	F-2			
WATER CLOSET-MALE	REQUIRED	4	PROVIDED 4*	OCCUPANCY SEPARATIONS	-			
WATER CLOSET-FEMALE	REQUIRED	1	PROVIDED 1*	INCIDENTAL USES	-			
LAVATORIES	REQUIRED	REQUIRED 4 PROVIDED 4*		ALLOWABLE AREA	92,000 SQ. FT.			
TUBS/SHOWERS	REQUIRED	-	PROVIDED -	ACTUAL AREA FOR	F-2 = 4,850 SQ	. FT. PROP	OSED	
DRINKING FOUNTAINS	REQUIRED		PROVIDED	ACTUAL AREA FOR				
OTHER				ACTUAL AREA FOR				
				TOTAL ACTUAL AREA	13,590 SQ. FT.			
				TOTAL OCCUPANT LOAD	PER IBC 2015	= 136		

* MAX TRAVEL DISTANCE TO FIXTURES 455 FT < 500 FT

1 1st Level - Life Safety Plan



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

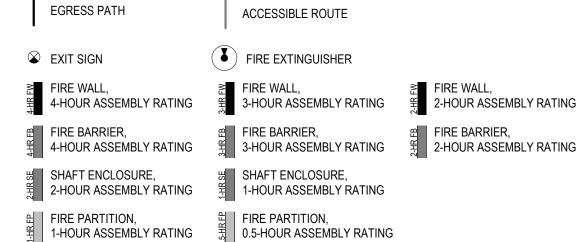
STEEPER THAN 1:48.

LIFE SAFETY GENERAL NOTES: 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.

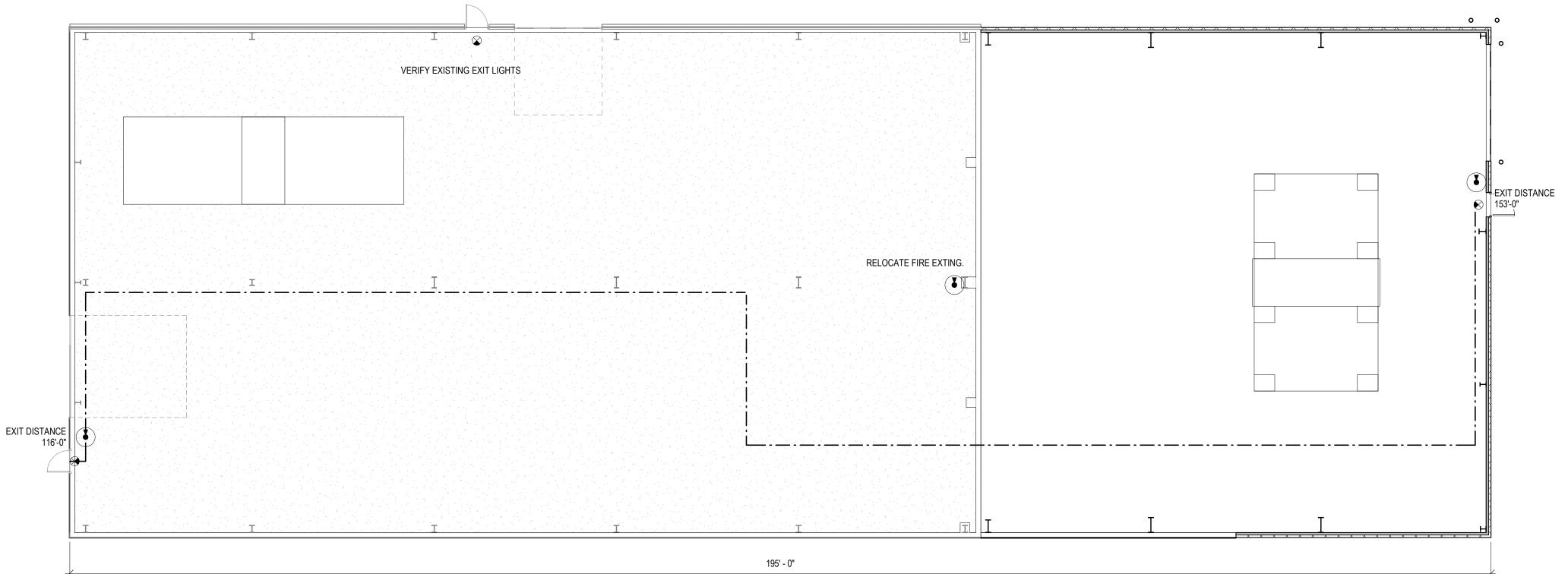
3. FIRE EXTINGUISHERS SHALL BE INSTALLED IN LOCATIONS AS NOTED ON PLANS BELOW. EXTINGUISHERS ARE TO BE MOUNTED TO ADJACENT WALL OR COLUMN USING STANDARD MANUFACTURES BRACKETS OR EQUIVALENT. FOR WALL MOUNT LOCATIONS ATTACH BRACKET TO STUDS OR BLOCKING ONLY. EXTINGUISHERS TO MEET CURRENT BUILDING CODE AND NFPA 10.

JEGRESS PLAN DRAWING KEY:





NON-RATED WALL



REVISIONS

No. DATE DESCRIPTION

StrucRite

Architectural & Engineering Services 805 CLINTON ST. WAUKESHA, WI 53186

262.549.3222 - WWW.SRDINC.BIZ

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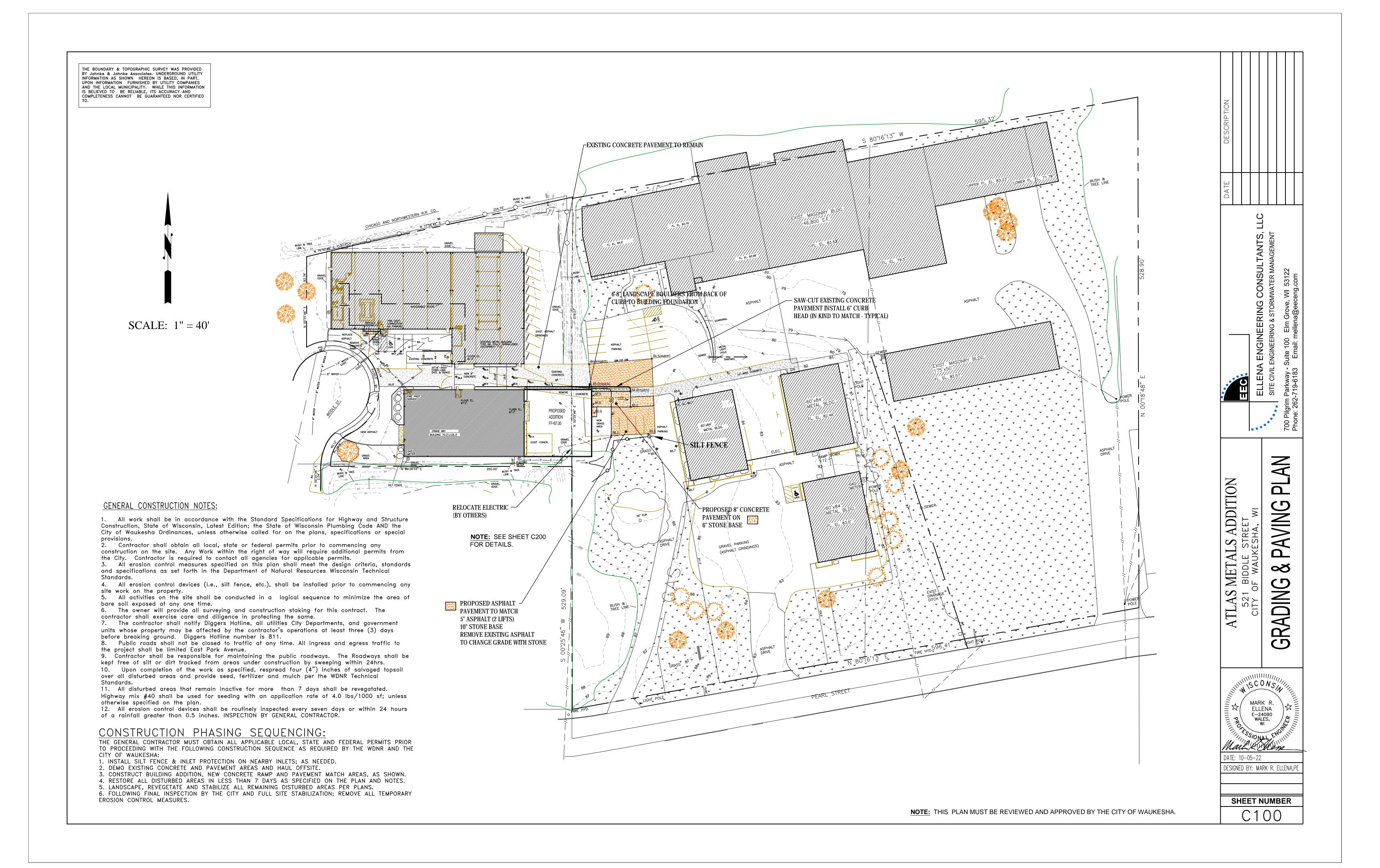
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<u>BIDDING OR CONSTRUCTION-</u> <u>RELATED PURPOSES.</u>

NOT FOR CONSTRUCTION

BUILDING AREAS 09.23.2022

DRAWN BY SHEET NUMBER:



THE BOUNDARY & TOPOGRAPHIC SURVEY WAS PROVIDED BY Jahnke & Jahnke Associates. UNDERGROUND UTILITY INFORMATION AS SHOWN HEREON IS BASED, IN PART, UPON INFORMATION FURNISHED BY UTILITY COMPANIES AND THE LOCAL MUNICIPALITY. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, ITS ACCURACY AND COMPLETENESS CANNOT BE GUARANTEED NOR CERTIFIED TO. _ SAW-CUT EXISTING CONCRETE PAVEMENT INSTALL 6" CURB HEAD (IN KIND TO MATCH - TYPICAL) GRAVEL | EDGE EXISTING CONCRETE PAVEMENT TO REMAIN EXIST. ASPHALT GRINDINGS 6-8" LANDSCAPE BOULDERS FROM BACK OF CURB TO BUILDING FOUNDATION PARKING 84.5(match) SCALE: 1'' = 20'NEW 8"

Section 1.15 April 1.15 A EXISTING CONCRETE 85 0(match) 84.8(match) REMOVE CONCRETE ADDITION NEW FF=87.00 S METALS ADDITION
I BIDDLE STREET
OF WAUKESHA, WI GRASS AREA ASPHALT 85,5 PARKING 别 S S EXIST. CONCR. ~PROPOSED 8" CONCRETE PAVEMENT ON 6" STONE BASE grade to drain 굽 250.00' BUSH & TREE LINE → PROPOSED PAVEMENT GRADE DETAIL L PROPOSED ASPHALT RELOCATE ELECTRIC — PAVEMENT TO MATCH (BY OTHERS) 5" ASPHALT (2 LIFTS) 10" STONE BASE REMOVE EXISTING ASPHALT TO CHANGE GRADE WITH STONE IN ISCONSIN MARK R. ELLENA E-24090 WALES, WI DATE: 10-05-22 DESIGNED BY: MARK R. ELLENA,PE SHEET NUMBER **NOTE:** THIS PLAN MUST BE REVIEWED AND APPROVED BY THE CITY OF WAUKESHA. C200

	DOOR SCHEDULE										
				FIRE		DOOR PAN	EL	DOOR I	FRAME		HARDWARE
MARK	LOCATION	WIDTH	HEIGHT	RATING	TYPE	MATERIAL	FINISH	MATERIAL	FINISH	COMMENTS	SET
100		3' - 0"	7' - 0"		В						
101		16' - 0"	14' - 0"			STEEL	PAINT				

|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
- 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
- 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.
- 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
- 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.

| DOOR HARDWARE TYPES:

- ALL HARDWARE FINISHES TO BE: #619 SATIN NICKEL
- 102 SCHLAGE AL SERIES LEVER, SATURN DESIGN,
- FUNCTION: ENTRANCE LOCK 104 - SCHLAGE AL SERIES LEVER, SATURN DESIGN,
- FUNCTION: EXIT LOCK
- 200 LCN 1260 SERIES, DOOR CLOSER (FACTORY/WAREHOUSE USES)
- 204 ELECTRIC ACCESSIBLE PUSH BUTTON DOOR OPERATOR
- 210 DOOR SEALS 211 - DOOR SWEEP
- 212 LOW PROFILE THRESHOLD, MEETS ANSI-117.1-2003 STANDARDS
- 213 KICKPLATE 214 - LATCH GUARD
- 215 RAIN DRIP
- 300 O.H. DOOR ELECTRIC VERTICAL LIFT

SEE SCHEDULE SEE SCHEDULE 2' - 0" VARIES

GENERAL DEMOLITION NOTES:

EXISTING OR NEW MATERIAL SURFACES.

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

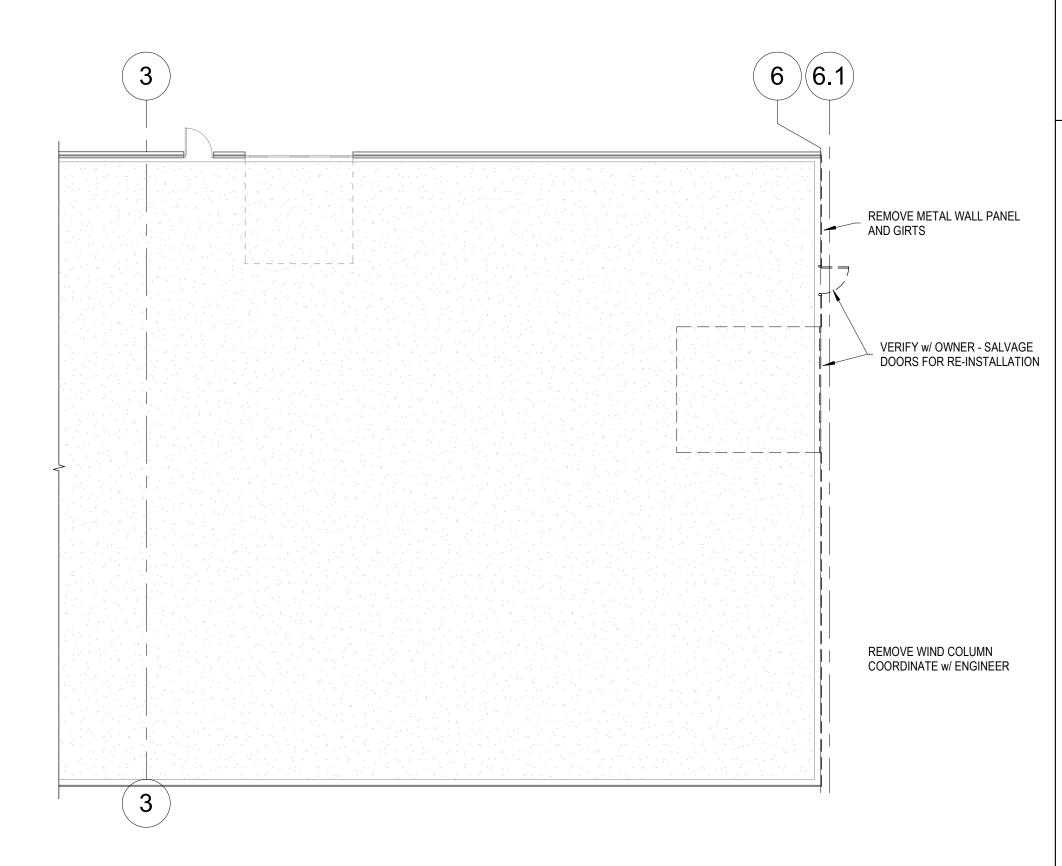
CLARIFICATION PRIOR TO THE START OF WORK. IF FLOORS, WALLS, OR CEILINGS ARE DAMAGED DURING REMOVAL, THE CONTRACTOR RESPONSIBLE SHALL PATCH / REPAIR AS REQUIRED TO MATCH

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.

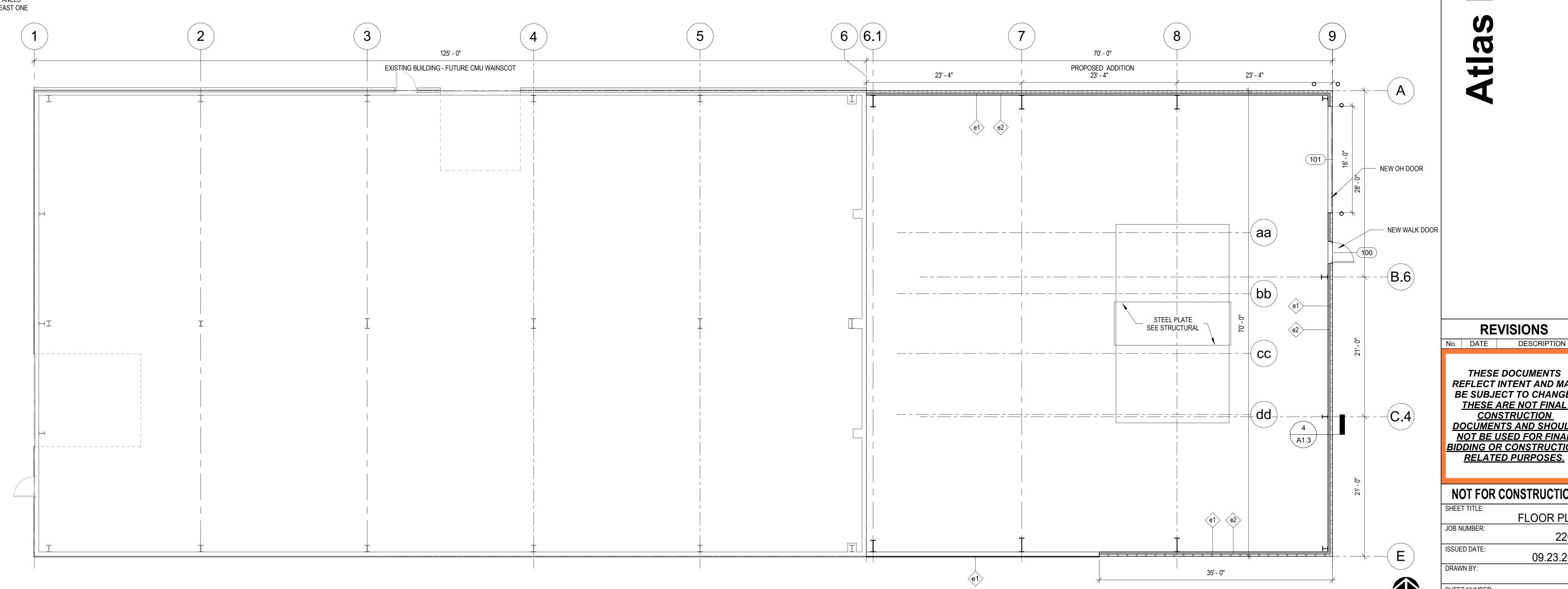
SEE MECHANICAL DRAWINGS FOR DESCRIPTION OF REQUIRED MECHANICAL DEMOLITIONS.



3 1st LEVEL - DEMO

GENERAL PLAN NOTES:

SEE SHEET A5.0 FOR ALL TYPICAL MOUNTING HEIGHTS AND DOOR CLEARANCES. NOT USED



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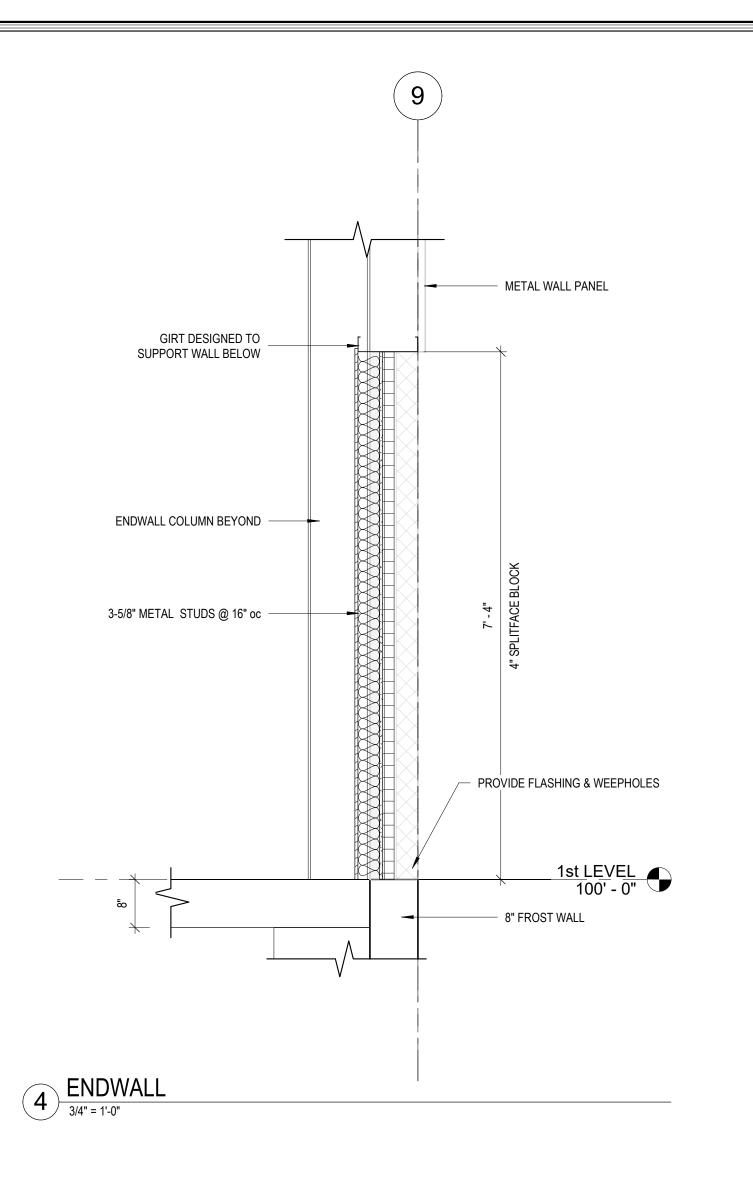
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RELATED PURPOSES.

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FLOOR PLAN JOB NUMBER 09.23.2022

SHEET NUMBER:



WALL & ROOF ASSEMBLIES: EXTERIOR WALLS

EXTERIOR SIDE (a)

EXTERIOR SIDE:

METAL PANEL BY BUILDING MFR.

GIRTS BY BUILDING MFR.

INSULATION TO MEET U-VALUES INDICATED BY

COMCHECK REPORT w/ MINIMUM TAPE THERMAL

BREAK OVER EXTERIOR OF GIRT & FULL CAVITY FILL.

CONTRACTOR TO PROVIDE MANUFACTURER'S TEST

DATA.

WALL THICKNESS: VARIES

EXTERIOR SIDE (8)

EXTERIOR SIDE BELOW ELEV 107'-4":

4" SPLITFACE CMU TO 1ST GIRT
AIR SPACE
2" RIGID INSULATION
BUILDING WRAP
1/2" CEMENT BOARD
3-5/8" METAL STUDS @ 16" O.C.TO 1ST GIRT
BATT INSULATION R-13 TO 1ST GIRT
VAPOR BARRIER
1/2" FIRE RATED PLYWOOD

WALL THICKNESS: 10-5/8"

GENERAL ROOF PLAN NOTES:

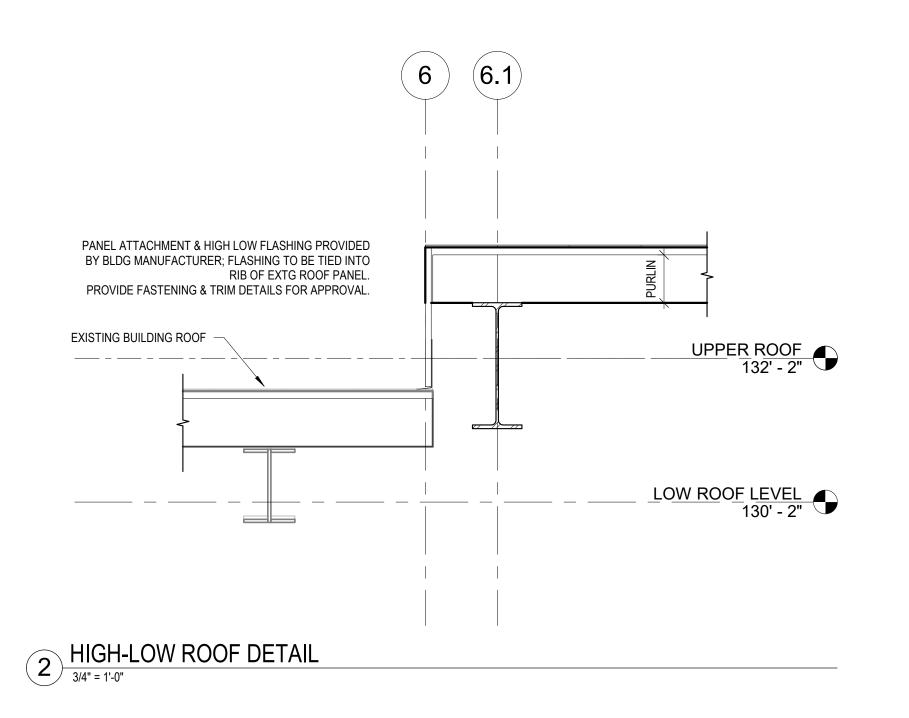
- ROOFING CONTRACTOR TO INSTALL ALL ROOFING AND INSULATION PER MANUFACTURER'S DETAILS AND SPECIFICATIONS (TYP). PROVIDE ALL REQUIRED MATERIALS AND ACCESSORIES FOR A COMPLETE, WATER-
- TIGHT SYSTEM.

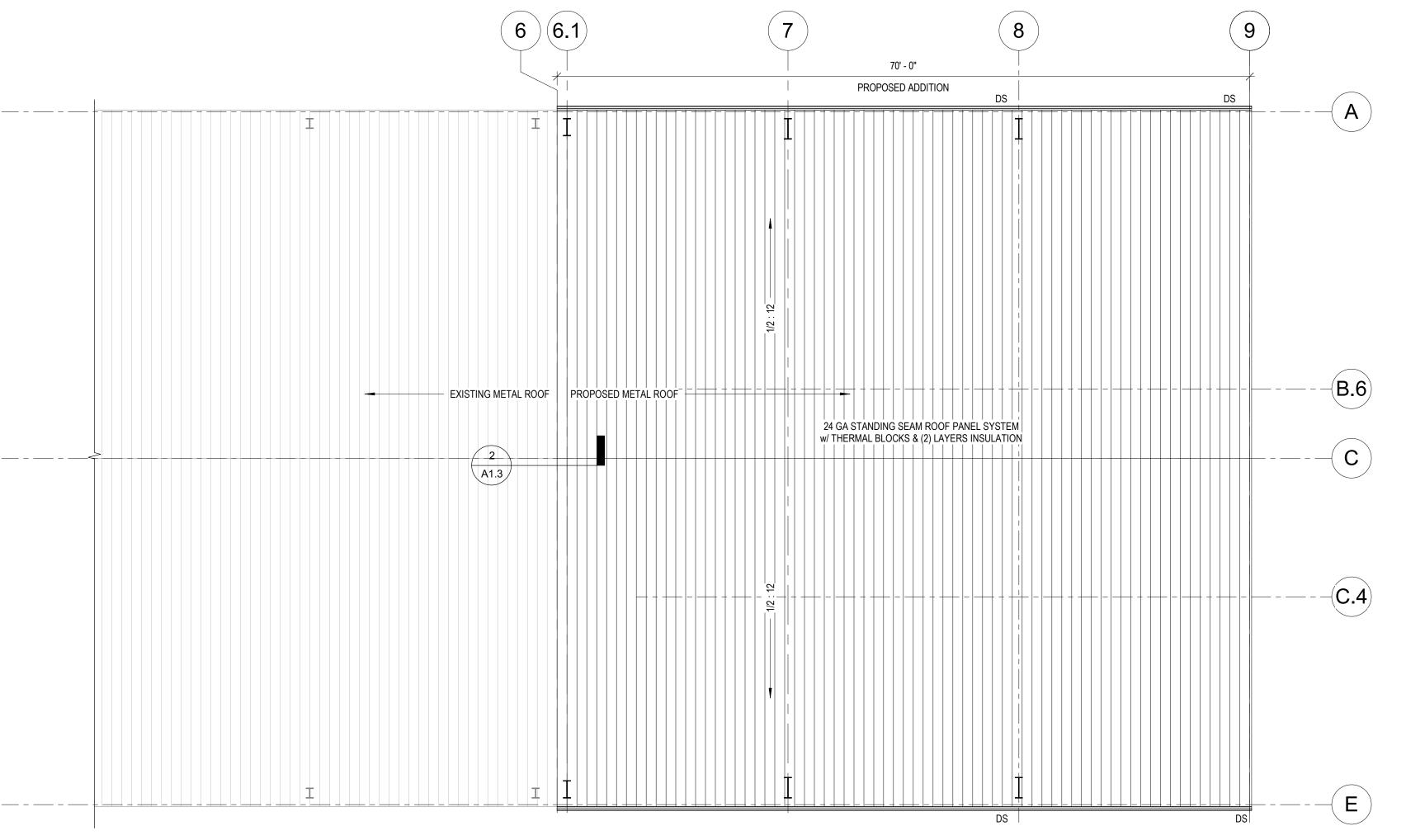
 ROOFING CONTRACTOR TO PROVIDE AND INSTALL MEMBRANE FROM FLASHING FOR ALL ROOF PENETRATIONS PER ROOF MEMBRANE MANUF. REQUIREMENTS.
- ROOF PENETRATIONS TO BE PAINTED TO MATCH ROOF COLOR.
 SEE MECHANICAL DRAWINGS FOR LOCATIONS AND SIZE OF ALL ROOF PENETRATIONS AND CURBS REQUIRED FOR MECH. EQUIPMENT.
- _:12 = INDICATES DIRECTION OF ROOF SLOPE
- DS = SCUPPER / DOWNSPOUT LOCATION

 COORDINATE ALL ROOF OPENINGS AND PENETRATIONS WITH
- PLUMBING, MECHANICAL, AND ELECTRICAL CONTRACTORS.

 ROOF-TOP EQUIPMENT SHOWN FOR REFERENCE. SEE MECHANICAL FOR ACTUAL EQUIPMENT AND LOCTIONS, TYPICAL.







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SHEET TITLE:

ROOF PLAN

JOB NUMBER:

22070

ISSUED DATE:

09.23.2022

DRAWN BY:
SHEET NUMBER:

A1.3



Biddle esha, V

ISTANDARD MOUNTING HEIGHT NOTES:

ANY GLAZING IN DOORS MUST BE TEMPERED

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 NO - GRAB BARS

- CABINETS / SHELVING - TOILET PARTITIONS - ACCESSORIES

8. STANDARD MOUNTING HEIGHTS APPLY TO DRAWINGS UNLESS INDICATED 9. GRAB BARS SHALL BE INSTALLED PLUMB OR LEVEL.

- DOOR BUMPER STOPS

10. NOTIFY STRUCRITE OF ANY DISCREPANCIES.

TOILET ROOM NOTES:

YES

NO = SAFTEY GLAZING IS NOT REQUIRED YES = SAFTEY GLAZING IS REQUIRED

NO ₹

CRASH BAR MUST BE ABLE TO WITHSTAND 50 lbf/ft

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.

| DRINKING FOUNTAIN NOTES: 1. CONTROLS MUST BE MOUNTED IN FRONT OR SIDE MOUNTED NEAR FRONT EDGE

2. PROVIDE 30" x 48" CLEAR FLOOR SPACE

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

15" MAX.

3' - 0" FINISH DIM.

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STANDARD DETAILS

ISSUED DATE: 09.23.2022 DRAWN BY:

SHEET NUMBER:

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

COUNTERTOP DROP-IN SINK

CONT. 2x2 LEDGER

BLOCKING

SCREW INTO WOOD

AS REQUIRED (TYP)

ONLY IN SHADED AREA

SHOWER SPRAY CONTROL UNIT w/ MIN 59" LONG HOSE 1-1/2" GRAB 1-1/2" GRAB BAR TYP. BAR TYP. SHOWER SEAT PLASTIC LAM. COVERED BRACKET CAPABLE OF SUPPORTING 300 lbs. INSULATE PIPE PER ANSI 117.1 · PROVIDE WOOD BLOCKING ₹ KNEE & TOE - EQUIPMENT PERMITTED CLEARANCE

OPENING

3' - 0" FINISH DIM. FOLLOW REQ's OF ICC/ANSI 608 "SHOWER COMPARTMENTS"

WALL HUNG SINK

17" MIN.

6" MIN.

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

TOWEL DISPENSER

WASTE

RECEPTACLE

FIRE HORN & STROBE

FIRE EXTINGUISHER

CABINET w/ 4" MAX

PROJECTION

♥ | LFIRE ALARM

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

KNEE & TOE

CLEARANCE

PULL STATION

CLOCK

ERGENCY LIGHTING

BATTERY PACK

WATER FOUNTAIN

PHONE JACK

PROVIDE BLOCKING IN WALL AS REQUIRED TO ANCHOR

MOUNTING BRACKET (TYP)

STANDARD MOUNTING HEIGHTS

GRAB BAR GRAB BAR

MOUNT SIGN (ADA BRAILLE/PICTORIAL)

LATCH SIDE OF DOOR. SIZE OF SIGN TO

-

18" MAX.

BE DETERMINED BY ANSI CHAPTER 7

AT ALL TOILET ROOM DOORS ON

PHONE JACK

HANDICAP ACCESSIBLE

WALL MOUNTED PHONE

ELECTRICAL OUTLET

16" (MIN) 16" (MIN)

FLOOR IDENTIFICATION SIGNS SHALL

LANDING IN COMPLIANCE WITH IBC

HANDRAIL

EXT.

BE PROVIDED AT EACH FLOOR

1 1/2" dia. PIPE RAILING

STEEL SUPPORT BRACKET

EA. SIDE OF RAMP

RAMP HANDRAIL

COUNTERTOP & BACKSPLASH

HANDRAIL

EXT.

15" (MIN) 9" MIN. KNEE CLR.-

25" MIN. DEPTH SINK MOUNTED IN COUNTERTOP MUST MEET ACCESS CLEARANCE

CAULK AS REQ.

PLASTIC LAMINATE

LESS THAN 9 SQFT

SAFETY GLAZING

TEEL SUPPORT BRACKET EXT.

STAIR HANDRAIL

EQ EQ

HANDRAIL EXT.

GENERAL FOUNDATION NOTES:

- FOUNDATION EXCAVATIONS SHALL BE KEPT FREE OF LOOSE MATERIAL & STANDING WATER & SHALL BE CHECKED & APPROVED BY THE GEOTECHNICAL ENGINEER BEFORE
- PLACEMENT OF ANY CONCRETE. ELEVATION 100'-0" ON STRUCTURAL DRAWINGS CORRESPONDS TO F.F. ELEVATION
- SHOWN ON SITE PLAN.
- TOP OF FOUNDATION WALL ELEVATION + 100'-0", UNLESS NOTED OTHERWISE. FOUNDATION WALLS SHALL BE 8" THICK UNLESS NOTED OTHERWISE.
- WALL FOOTINGS ARE CONTINUOUS POURED CONCRETE WITH CONTINUOUS REINF. PLACED 3" CLEAR OF BOTTOM & SIDES
- PERIMETER INSULATION TO BE 2" RIGID INSULATION AGAINST INTERIOR FACE OF WALL. U.N.O. SEE FOUNDATION DETAILS.
- CONTRACTOR TO VERIFY ALL CONCRETE FLOOR FINISHES W/ OWNER. CONTRACTOR TO VERIFY ALL UNDERGROUND WORK PRIOR TO SLAB POURING.
- SEE SITE PLAN FOR ADDITIONAL CONCRETE WORK. SEE GEN. BLDG. SPEC's. FOR CONCRETE REQUIREMENTS.
- PROVIDE ISOLATION JOINTS TO ISOLATE COLUMNS, BOLLARDS, & OTHER FLOOR PENETRATIONS.
- SEE DETAILS FOR CONTROL JOINT AT POURED CONCRETE WALLS. BOX-OUT FLOOR, PRIOR TO POURING, AT ALL COLUMN LOCATIONS.
- REFER TO ARCHITECTURAL DRAWINGS FOR ANY REQUIRED FLOOR DRAINS / SLAB
- ALL FOOTINGS ARE CENTERED ON COLUMN PIERS, UNLESS DIMENSIONED OTHERWISE.

GENERAL FOUNDATION NOTES FOR METAL BUILDINGS:

- PRE-ENGINEERED BUILDING ANCHOR BOLTS TO BE LOCATED PER PRE-ENGINEERED BUILDING ANCHOR BOLT PLAN IN CONJUNCTION WITH STRUCTURAL FOUNDATION PLAN AS SHOWN ON SHEET S1.0.
- VERIFY PIER LOCATION W/ COLUMN LOCATIONS FROM PRE-ENGINEERED BUILDING

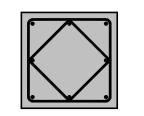
	FOUNDATION WALL SCHEDULE						
MARK	WIDTH	REINFORCEMENT					
FW-1	8"	#4 VERT. @ 48"oc; (2) #5 T&B					
FW-2	8"	#5 @ 16"oc EACH WAY; (2) #5 T&B					
FW-3	1' - 6"	#6@ 8" VERT EA. FACE, HOOK DOWELS; #6@ 18" HORIZ EA. FACE					

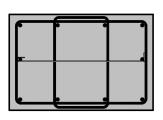
STRIP FOOTING SCHEDULE								
MARK	WIDTH DEPTH REINFORCEMENT							
SF-1	SF-1 1' - 8" 1' - 0" (2) # 5 CONTINUOUS							

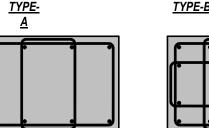
	FOOTING SCHEDULE									
MARK	WIDTH	LENGTH	DEPTH	REINFORCEMENT						
F-1	3' - 0"	3' - 0"	1' - 0"	(3) #5 EACH WAY, BOTTOM						
F-4	4' - 0"	4' - 0"	1' - 0"	(4) #5 EACH WAY, BOTTOM						
F-5	5' - 0"	5' - 0"	1' - 6"	(5) #5 EACH WAY, T&B						
F-6	4' - 0"	6' - 0"	1' - 0"	(6) #5 SHORT WAY, (4) #5 LONG WAY; SEE DETAIL						

	PIER SCHEDULE								
MARK	WIDTH	LENGTH	COMMENTS	REINFORCEMENT					
P-1	1' - 4"	1' - 4"	TYPE A	(8) #6 DOWELS; #3 TIES @ 10", (2) @ TOP					
P-2	1' - 6"	2' - 6"	TYPE D	(14) #6 DOWELS; #3 TIES 10", (2) @ TOP					
P-3	2' - 3"	2' - 10"	TYPE E	(12) #8 DOWELS; #4 TIES @ 12", (2) @ TOP					

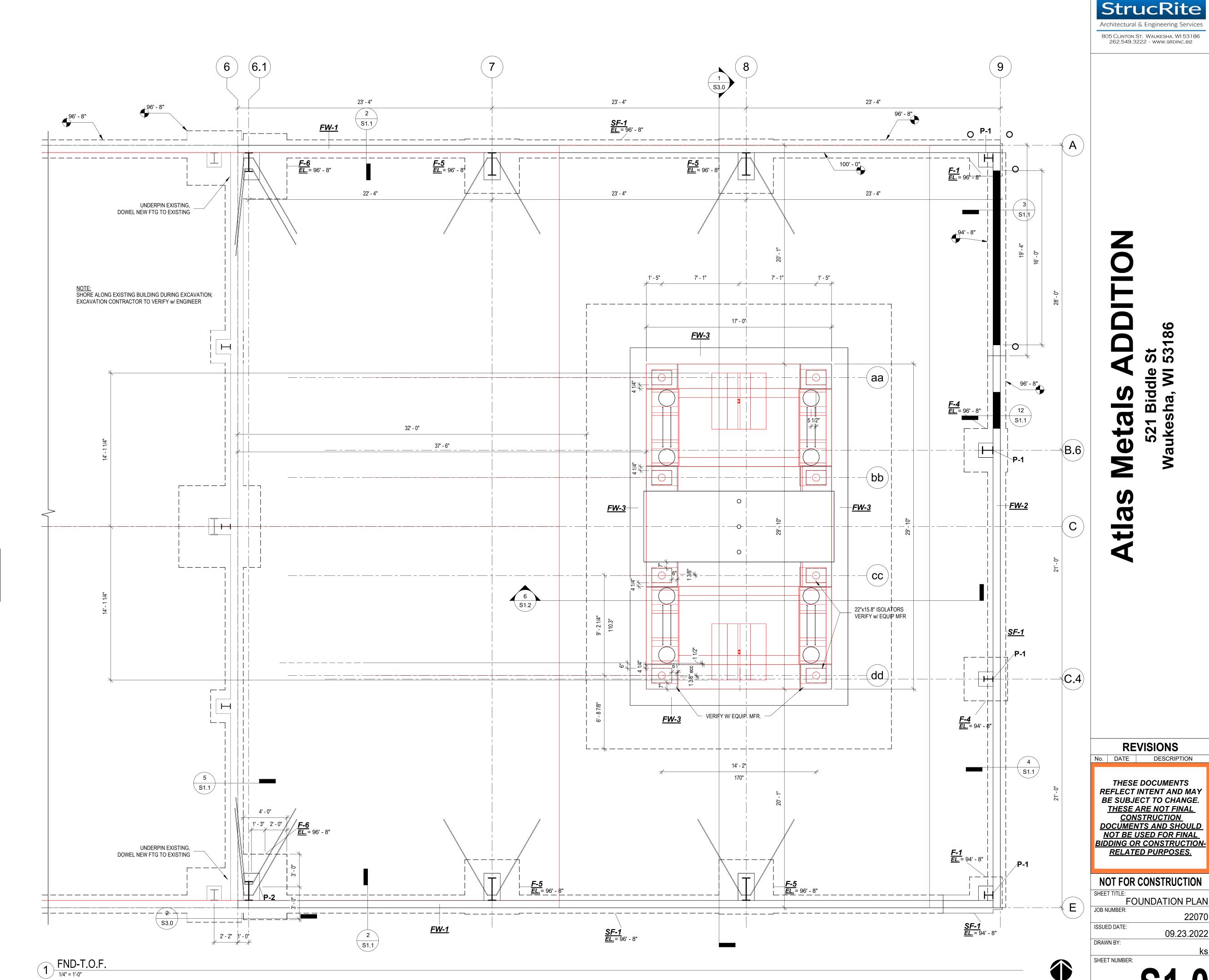
CONC. PIER LEGEND







TYPE-E



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1/2" EXPANSION JOINT

#4 DOWEL @ 48" O.C.

(2) #4 BARS TOP & BTM

RIGID PERIM. INSULATION

- #5 BAR @ 16" O.C. HORZ.

-SEE ARCHITECTURAL PLANS

#5 VERT. BENT BARS @ 16" O.C. -ALT. HOOK DIRECTION

east wall?

STIRRUPS SIZE TO BE SAME AS VERT

/— (2) LAYERS OF #3 DIAG BARS (16) TOTAL

SQUARE OR RECTANGULAR OPENING

WALL REINFORCING

12" MAX

CONTINUOUS FOOTING

w/ (2) #5 BARS

2" CLR-

Ø

NOT FOR CONSTRUCTION

FOUNDATION DETAILS

ISSUED DATE:



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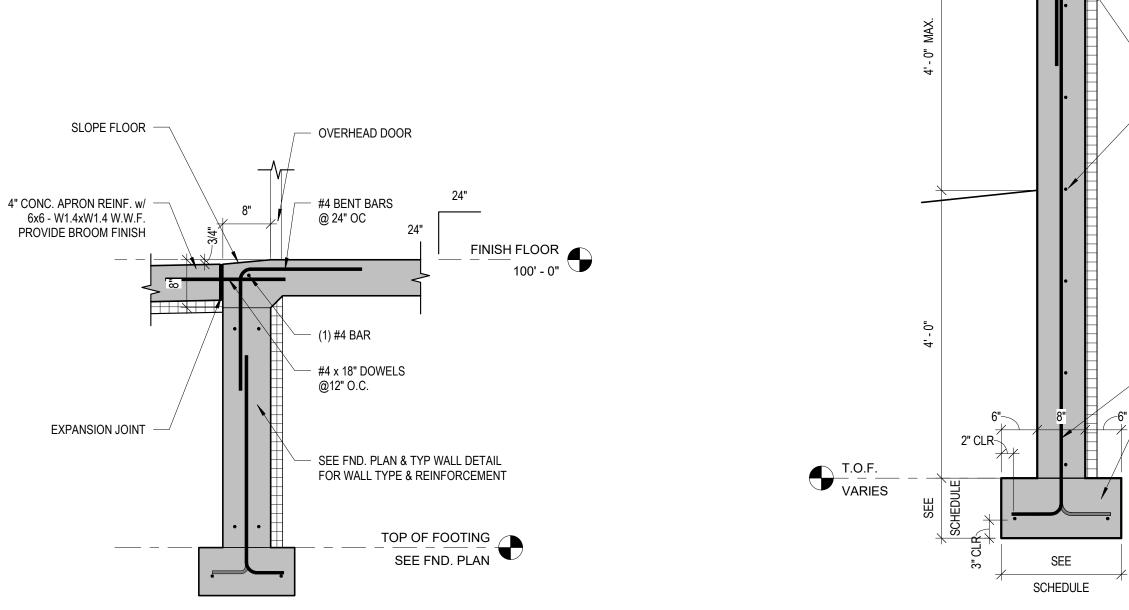
RELATED PURPOSES.

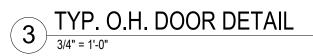
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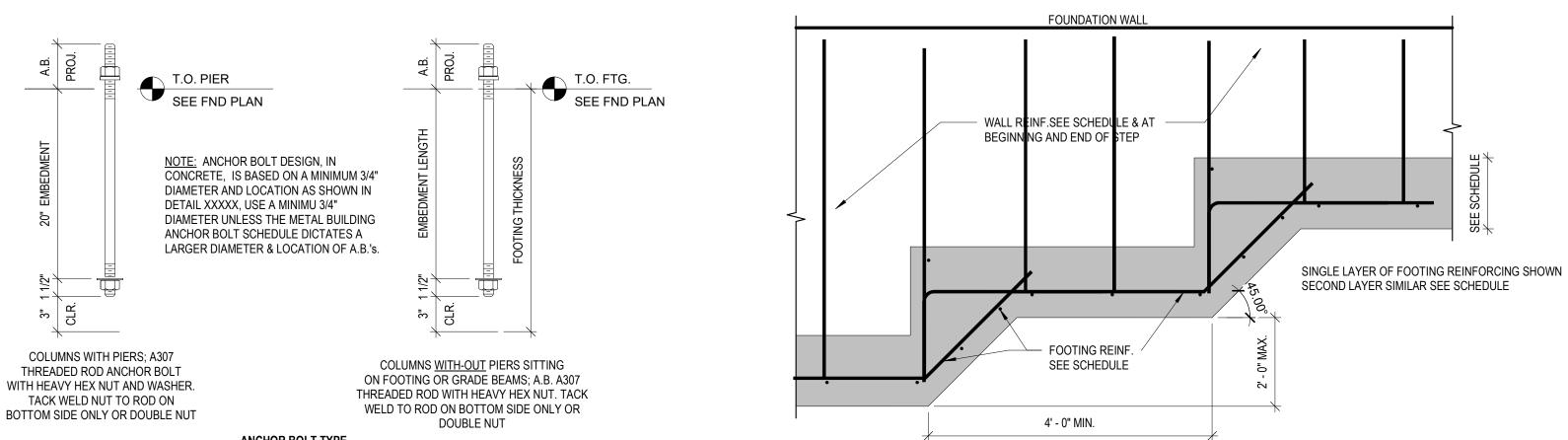
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9 TYP. STEP FOOTING DETAIL NOT TO SCALE

ADDITIONAL REINFORCEMENT AT EA. PENETRATION. PROVIDE

(2) LAYERS OF #4 BARS TOP & BOTTOM AT EACH SLEEVE U.N.O.

12" MAX

(2) LAYERS OF #3 DIAG BARS (16) TOTAL

ROUND PENETRATION

2' - 0" MIN. TYP

WALL TOP & BOTTOM -REINFORCING

ELEVATION

GENERAL CONTRACTOR TO COORDINATE LOCATION, SIZE & ELEVATION & INCLUDE HIS CONTRACT PRICE. ALL REQUIRED

HORIZONTAL PENETRATIONS THROUGH CONCRETE WALLS WETHER SHOWN ON STRUCTURAL DRAWINGS OR NOT

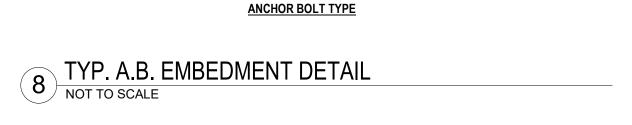
CLEAR SPACING BETWEEN PENETRATIONS SHALL BE 24" MINIMUM UNLESS DESIGNED OTHERWISE BY ENGINEER.

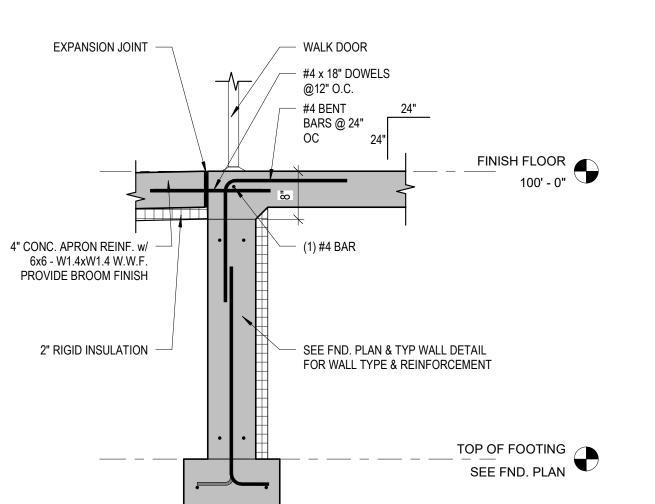
WHERE WALL PENETRATIONS ARE REQUIRED BUT ARE NOT SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS,

SUBMIT DRAWINGS, SHOWING DIMENSIONS & LOCATIONS OF ALL REQUIRED PENETRATIONS FOR REVIEW & APPROVAL

FOR LOCATIONS & OR SIZES OF PENETRATIONS NOT CONFORMING TO THE ABOVE CRITERIA & NOT OTHERWISE DETAILED ON THE STRUCTURAL DRAWINGS. CONTRACTOR SHALL COORDINATE REQUIRED ADDITIONAL REINFORCEMENT WITH THE ENGINEER ON THE SHOP DRAWINGS.

8" FND. WALL
3/4" = 1'-0"

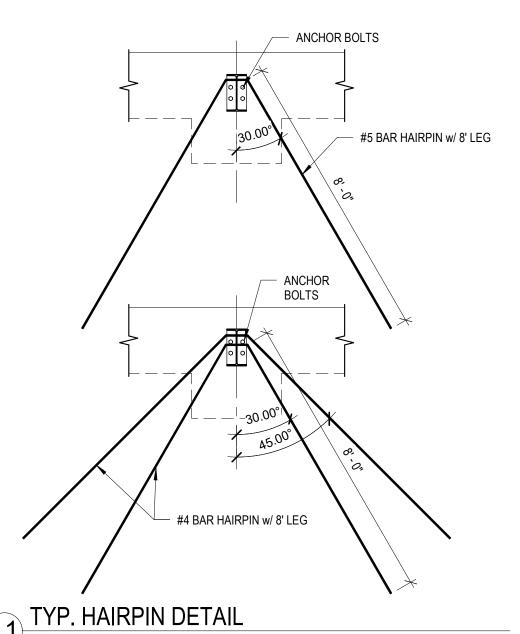




TYP. STOOP DETAIL

3/4" = 1'-0"

#5 BAR HAIRPIN w/ 8' LEG — ANCHOR BOLTS - #4 BAR HAIRPIN w/ 8' LEG



TYP. HAIRPIN DETAIL

NOT TO SCALE

& SPACING OF TYP. HORIZ. REINF. HOOK -ALT. ENDS REINF. SINLGLE LAYER SHOWN DUPLICATE FOR DOUBLE LAYERS OF REINFORCING

CORNER BARS SHALL MATCH SIZE

TYP CONC WALL CORNER REINF
NOT TO SCALE

SEE SCHEDULE

€ PIER

LENGTH

*SEE FOUNDATION SCHEDULE FOR SIZES & REINFORCEMENT

FOR ALL FOOTINGS, WALLS AND PIERS.

FOOTINGS SHALL BE CENTERED UNDER

PIERS, UNLESS DIMENSIONED OTHERWISE ON FOUNDATION PLAN OR DETAILS

BUILDING COLUMN

ANCHOR BOLTS

HAIRPIN REINF. -SEE FND. PLAN

FOR PIER SIZE &

REINFORCING

PAST PIER

CONC. FOOTING

90 DEG. HOOK BARS SHALL MATCH SIZE

STANDARD 90 DEG.

& SPACING OF TYPICAL HORZ. REINF.

- 1/2" EXPANSION JOINT

SEE FOUNDATION SCHEDULE

RIGID PERIM. INSULATION

CONC FOUNDATION WALL

CONTINUE REINFORCING

-SEE ARCHITECTURAL PLANS

-SEE SCHEDULE FOR SIZE & REINF.

FOUNDATION WALL -

WALL FOOTING

PIER FOOTING -

PIER INTEGRAL WITH WALL

T.O. FTG
SEE FND. PLN.

TYP. PIER & FOOTING(OUTSET)

3/4" = 1'-0"

24" OVERLAP

1/2" PERIMETER EXPANSION JOINT

w/ FLEXIBLE SEALANT @ JOINT

(2) #4 BARS TOP & BTM

RIGID PERIM. INSULATION

-ALT. HOOK DIRECTION

CONTINUOUS FOOTING w/ (2) #5 BARS

@ 12" O.C.

— (2) #4 BARS CONTINUOUS

T.O.F. ___ _ SEE FND PLN H

8" FROST WALL
3/4" = 1'-0"

1/2" EXPANSION JOINT -

BREAK OUT EXISTING

5 THICKEND SLAB @ EXISTING

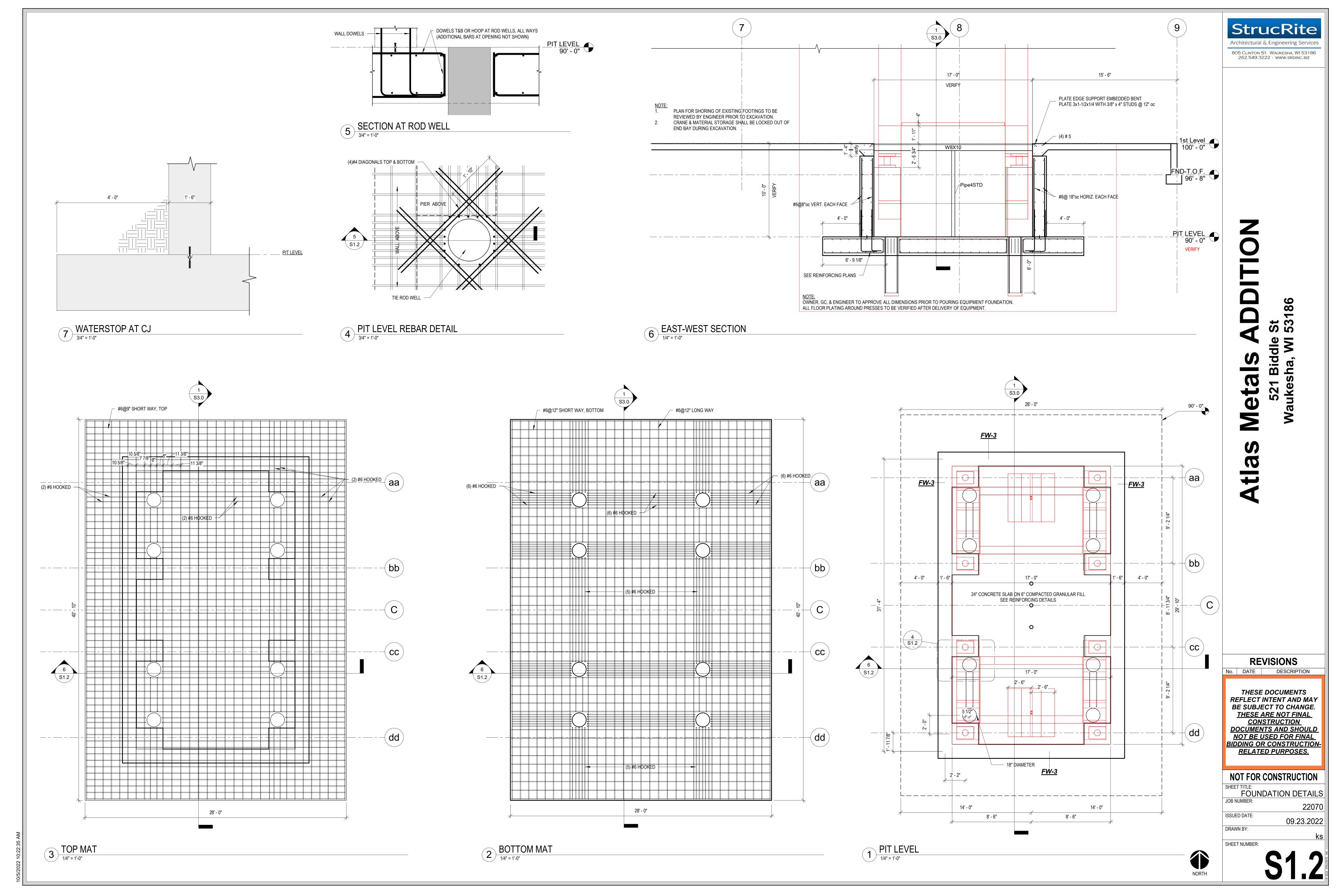
EXISTING FOUNDATION WALL

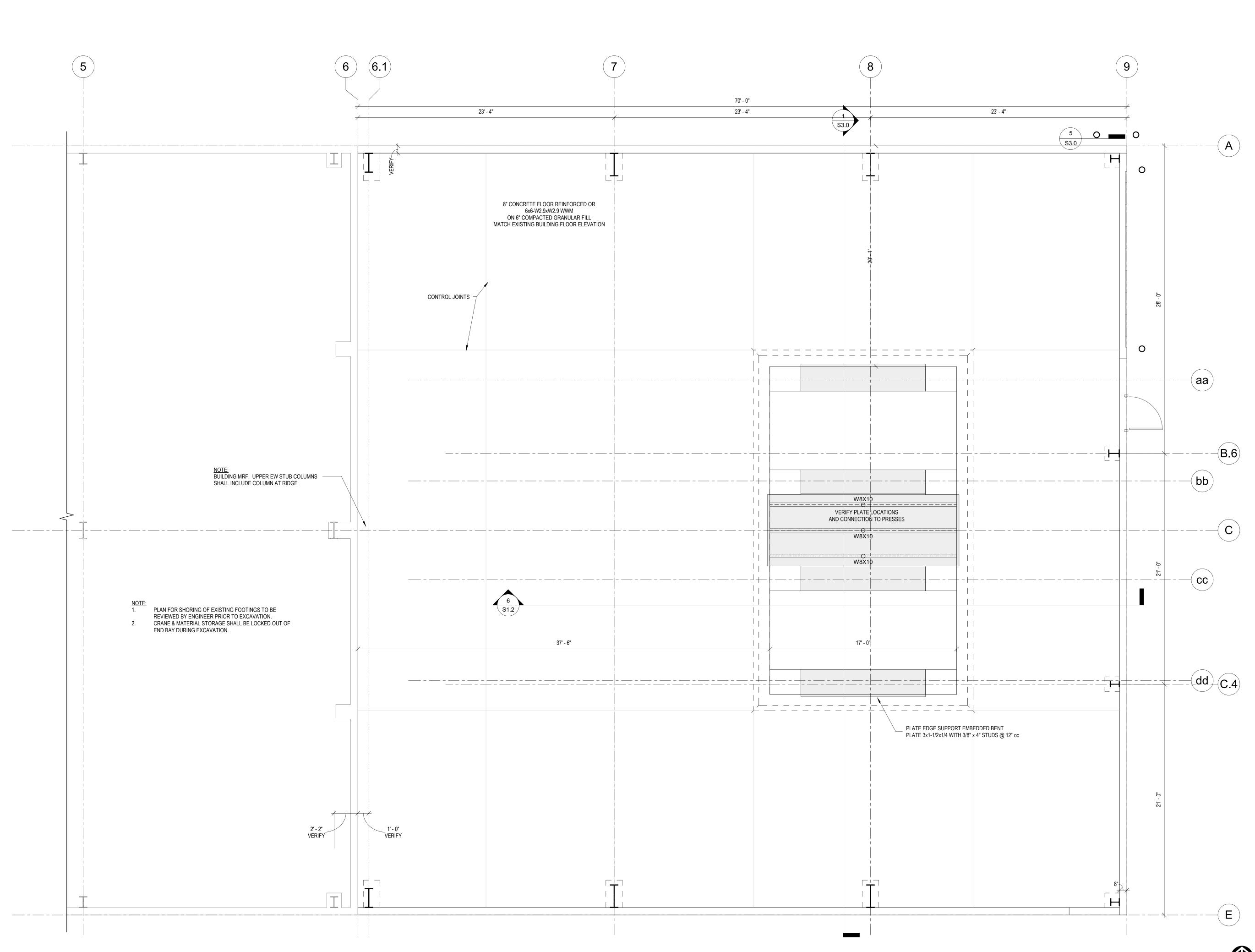
FOUNDATION WALL AT NEW OPENING

-SEE ARCHITECTURAL PLANS

- #4 VERT. BENT BARS @ 48" O.C.

REINFORCING @ CONC. OPENINGS
NOT TO SCALE





1 1st Level

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SHEET TITLE:

SHEET TITLE:

1st LEVEL FRAMING

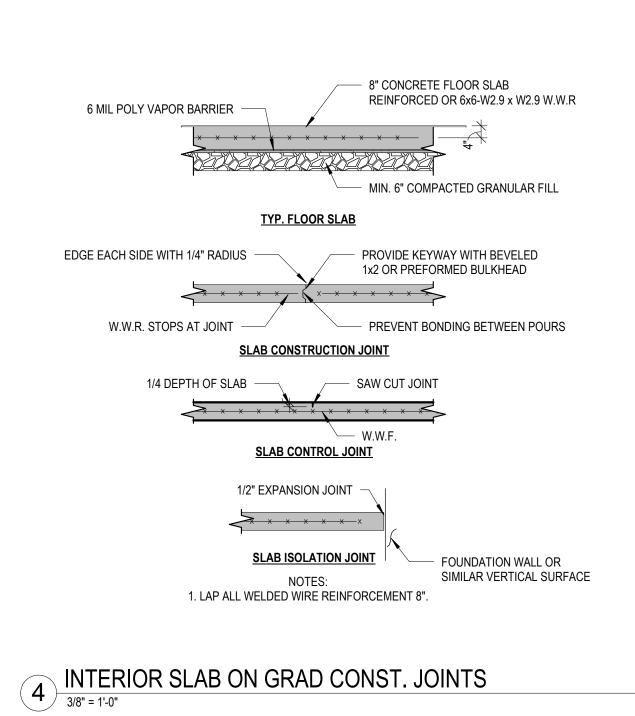
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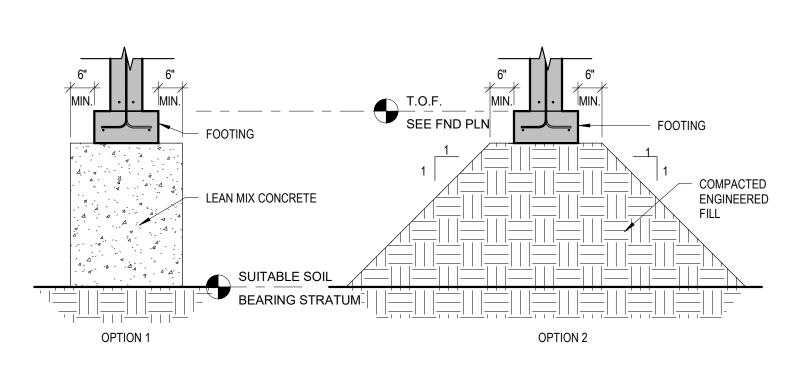
22070

DRAWN BY:
SHEET NUMBER:

S2.0

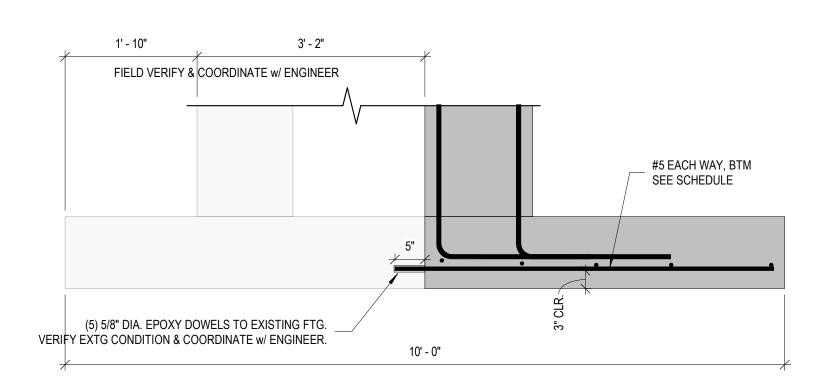
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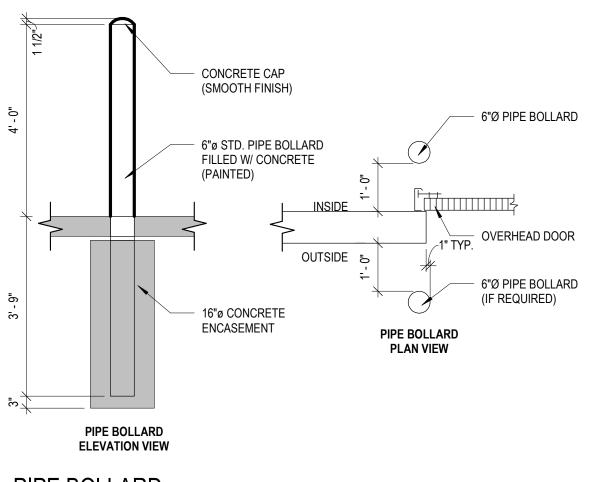
- SUITABLE SOIL BEARING STRATUM TO BE DETERMINED BY GEOTECHNICAL ENGINEER IN FIELD.
- LEAN MIX CONCRETE f'c = 1000 PSI @ 28 DAYS MINIMUM.
- COMPACTED ENGINEERED FILL TO BE PLACED IN 9" LIFTS MAXIMUM AND COMPACTED TO 95% MODIFIED PROCTOR.
- SEE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.
- DETAILS APPLY TO CONTINUOUS STRIP FOOTINGS AND TO ISOLATED SPREAD FOOTINGS INCLUDING INTERIOR FOOTINGS.

3 TYP. FILL BELOW FOOTING 1/2" = 1'-0"



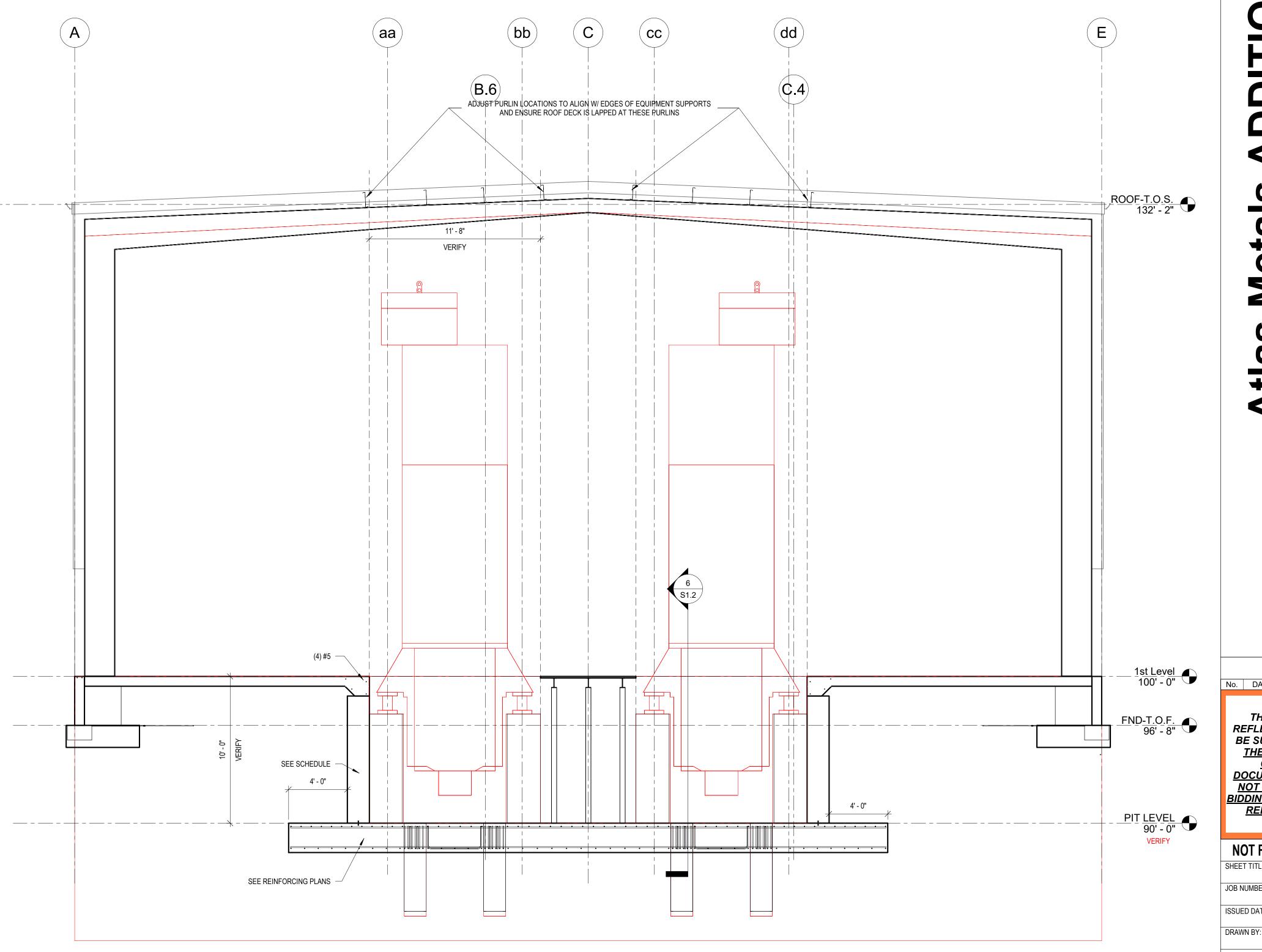
2 COMBINED FOOTING

3/4" = 1'-0"



5 PIPE BOLLARD

1/2" = 1'-0"



Architectural & Engineering Services

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NOT FOR CONSTRUCTION

SHEET TITLE:

DETAILS

JOB NUMBER:

22070

ISSUED DATE:

09.23.2022

SHEET NUMBER:

GENERAL REQUIREMENTS

- A. NOTES & DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES.
- 3. 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
- . 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
	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
	П	SEISMIC GROUP
	SDS	8.10 %
	SD1	7.70%
	В	SEISMIC USE GROUP

EROSION CONTROL NOTES

- A. GRADING AND DEVELOPMENT SITE DISTURBANCE SHALL CONFORM TO PLANS AND SPECIFICATIONS. TEMPORARY EROSION CONTROL METHODS AND SCHEDULE FOR IMPLEMENTATION SHALL BE REVIEWED BY THE ENGINEER PRIOR TO COMMENCING WORK.
- B. TEMPORARY EROSION CONTROL MEASURES SHALL CONFORM TO PRACTICES AND RECOMMENDATIONS OF THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES AND BEST MANAGEMENT PRACTICES.
- C. EXPOSED SOIL FROM GRADING OPERATIONS SHALL BE RESEEDED WITHIN 7 DAYS. USE COMMON 65% KENTUCKY BLUEGRASS 20% FINE FESCUES 15% RYEGRASS SEED MIXTURE AT THE RATE 7 POUNDS PER 1000 SQUARE FEET AREA WITH STRAW OR BURLAP COVERING TO RETAIN SURFACE MOISTURE UNTIL NEW GRASS IS ESTABLISHED.
- D. PROPOSED ALTERNATE EROSION CONTROL MEASURES FROM THOSE DESCRIBED IN THE PLANS SHALL BE REVIEWED AND APPROVED BY THE ENGINEER.
- SOIL OR MUD TRACKED ONTO PUBLIC STREETS SHALL BE CLEANED AT THE END OF EACH WORK DAY.
- F. CONTRACTOR SHALL CONTACT DIGGERS HOTLINE AT LEAST 7 DAYS PRIOR TO ANY GRADING OR EXCAVATION TO LOCATE AND FLAG ALL EXISTING UNDERGROUND UTILITIES.
- G. UTILITIES IMPACTING THE CONSTRUCTION PLANS SHALL REQUIRE ADDITIONAL DESIGN WORK. REVIEW IMPACTS WITH THE ENGINEER.
- H. LOCATION OF ALL KNOWN UTILITIES SHALL BE RECORDED IN AS-BUILT PLANS AT COMPLETION OF
- I. GEOTEXTILE FABRIC USE MIRAFI FILTERWEAVE OR EQUIVALENT TO LINE TRENCHES. FABRIC SHALL BE CONTINUOUS. OVERLAP 12" MINIMUM FOR CONTINUITY. ADD A SEPARATE GEOTECH FABRIC COVER OVER THE TRENCH OVERLAPPING THE SIDE OF THE TRENCH 12". COVER FABRIC WITH 1-1/2" GRAVEL 3" 6" DEEP.
- J. CHECKDAMS WHERE SHOWN IN PLAN SHALL BE CONSTRUCTED OF 2 LAYERS 90 MIL PLASTIC SHEET. WRAP THE SIDES AND BOTTOM OF THE TRENCH 12". SEE DETAIL.

FOUNDATION

- THE SOIL BEARING CAPACITY IS PRESUMED TO BE 3000 PSF. SOIL ENGINEERS TO VERIFY BEARING CAPACITY AND EXPLORE SUBGRADE TO A DEPTH OF 45' FOR UNSTABLE SOIL CONDITIONS.
- COMPLETE NORMAL CLEARING AND GRUBBING OPERATIONS OVER THE ENTIRE BUILDING PAD
- 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 3000 PSF, OR ON COMPACTED FILL WITH A BEARING CAPACITY OF NOT LESS THAN 3000 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 <u>BEFORE</u> BACKFILLING OPERATIONS ARE FINALIZED.
 - 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.

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:

4000 PSI	
3000 PSI	
3000 PSI	
4000 PSI	
3000 PSI	
	3000 PSI 3000 PSI 4000 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.
- ALL EXTERIOR CONCRETE SHALL BE AIR-ENTRAINED. THE ENGINEER SHALL APPROVE ALL ADMIXTURES
- . REINFORCING STEEL SHALL BE ASTM A615, GRADE 60, BARS TO BE WELDED SHALL BE IDENTIFIED AS GRADE 60W.

WELDED WIRE FABRIC OR GAGE AND SPACING SPECIFIED SHALL CONFORM TO THE REQUIREMENTS OF ASTM A82

- MANUFACTURING AND WAREHOUSE AREA SLABS: 6x6-W2.9xW2.9
 OFFICE AREA SLABS: 6x6-W1.4xW1.4
- 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.
- DIMENSIONS OF THE FINISHED PRODUCT SHALL BE WITHIN THE TOLERANCES OF ACI 117, LATEST EDITION.
- 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.
- 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.
- ABRASION RESISTANCE TO REVOLVING DISKS: AT LEAST A 32.5% IMPROVEMENT OVER UNTREATED SAMPLES WHEN TESTED IN ACCORDANCE WITH ASTM C779.
 SURFACE ADHESION: AT LEAST A 22% INCREASE IN ADHESION FOR EPOXY WHEN
- TESTED IN ACCORDANCE WITH ASTM D3359.
- HARDENING: AS FOLLOWS WHEN TESTED IN ACCORDANCE WITH ASTM C39:
 a. AFTER 7 DAYS: AN INCREASE OF AT LEAST 40% OVER UNTREATED SAMPLES.
- 4. COEFFICIENT OF FRICTION: 0.86 DRY, 0.69 WET, WHEN TESTED IN ACCORDANCE WITH ASTM C1028.

AFTER 28 DAYS: AN INCREASE OF AT LEAST 38% OVER UNTREATED SAMPLES.

- 5. REBOUND NUMBER: AN INCREASE OF AT LEAST 13.3% OVER UNTREATED SAMPLES WHEN TESTED IN ACCORDANCE WITH ASTM C805
- WHEN TESTED IN ACCORDANCE WITH ASTM C805.

 6. LIGHT EXPOSURE DEGRADATION: NO EVIDENCE OF ADVERSE EFFECTS ON TREATED
- PROVIDE DOWELS IN WALL FOOTINGS WITH EQUAL SIZE AND SPACING AS VERTICAL WALL,
- UNLESS NOTED OTHERWISE.

SAMPLES WHEN TESTED IN ACCORDANCE WITH ASTM G23.

- B. USE NON-SHRINK, NON-METALLIC GROUT UNDER BASE PLATES AS INDICATED ON THE DRAWINGS.
- 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.
- D. PLACE STEEL REINFORCEMENT AS PER CRSI STANDARDS.
- E. STEEL DESIGNATED CONTINUOUS (CONT.) #6 BARS OR SMALLER SHALL USE 33 INCH MINIMUM LAP LENGTH.
- F. 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.
- G. HAND TOOLED CONTROL JOINTS MAY BE SUBSTITUTED FOR SAWCUT CONTROL JOINTS.
- 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.
- 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.

MASONRY VENEER

- ALL MASONRY VENEER MATERIALS AND INSTALLATION SHALL COMPLY WITH LOCAL AND STATE CODES, AND SPECIFICATIONS OF THE NCMA. ALL MASONRY VENEER WORK SHALL BE LAID IN CEMENT AND LIME MORTAR, WITH ALL MASONRY FACES FULL BEDDED IN PLACE HAVING BOTH VERTICAL AND HORIZONTAL JOINTS ON STRAIGHT LINES. MASONRY VENEER SHALL BE TIED TO MASONRY BACK-UP WITH HOHMANN & BARNARD, INC. LADDER TYPE #270 ADJUSTABLE EYE-WIRE REINFORCEMENT AT 16" ON CENTER VERTICALLY. USE HOHMANN & BARNARD 2 SEAL TIE @ 16" ON CENTER VERTICALLY MAX. 16" ON CENTER TO OTHER BACKUP MATERIALS OR AS NOTED ON DRAWINGS (MAX. 1.77 S.F. SPACING).
- B. PROVIDE A 3/8" CONTROL JOINT AT 20'-0" O.C. UNLESS SHOWN OTHERWISE ON PLANS.
- C. INSTALL WEEP VENTS AT TOP AND BOTTOM COURSE OF MASONRY, AND ABOVE ALL OPENINGS IN EXTERIOR WALLS AT 16" ON CENTER OR AS INDICATED. FLASHING SHALL BE PERM-A-BARRIER FLASHING BY W.R. GRACE OR EQUAL WITH STAINLESS STEEL METAL DRIP EDGE. INSTALL FLASHINGS AT BOTTOM COURSE OF MASONRY AND ABOVE ALL OPENINGS IN EXTERIOR WALLS. INSTALL PER MANUFACTURERS RECOMMENDATIONS.
- D. PREMIUM COLOR MASONRY UNITS AS SELECTED UNLESS COLOR SCHEDULE AND AGGREGATE SHOWN WITHIN PLANS.

STRUCTURAL STEEL

- A. PRIME PAINT RED.
- 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.

 WELDING SHALL CONFORM TO THE LATEST EDITION OF AWS D1.1 AND ALL WELDERS ARE TO BE
- . 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"	A572 GRADE 50, MODIFIED TO 55 KSI
THICK	
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.
- 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
- P. STRUCRITE, INC., SHALL BE NOTIFIED PRIOR TO ANY FIELD MODIFICATIONS. MODIFICATIONS SHALL BE APPROVED BY STRUCRITE, INC., BEFORE WORK IS UNDERTAKEN.

OF THE CONNECTION.

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.

STEEL ROOF DECK

- A. USE A MINIMUM 22GA PTD. 1-1/2 INCH WIDE RIB, UNLESS NOTED DIFFERENTLY ON THE DRAWINGS.
 B. PANEL TO SPAN A MINIMUM OF THREE SPANS AND ALLOW FOR A MINIMUM OF 3" OVERLAP AT CENTER! INF OF JOISTS
- C. DO NOT HANG OR ATTACH EQUIPMENT, MATERIALS, OR ANY LOADS TO THE METAL ROOF DECK.D. SEE DRAWINGS FOR FASTENER TYPE AND PATTERN.

INTERIOR LIGHT GAGE PARTITION WALL:

- 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.
- 3. 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.
- 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.
- THE WALL BOTTOM TRACK SHALL BE ANCHORED TO FLOOR WITH $1\!\!/\!\!2$ " Ø SLEEVE ANCHORS @ ENDS & 48" O.C. MAX OR POWER ACTUATED NAILS @ ENDS & 48" O.C. MAX.
- PROVIDE SLIP TRACK AT TOP OF PARTITION WALLS.

APPROVED BY ENGINEER PRIOR TO INSTALLATION.

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

HOLES IN THE WEBS OF CEILING AND FLOOR JOIST ARE NOT ALLOWED UNLESS REVIEWED AND

PRE-ENGINEERED METAL BUILDING

- 1. PRE-ENGINEERED METAL BUILDING SHALL BE DESIGNED FOR LOADS AS INDICATED IN
- FURNISH FINAL FOUNDATION LOADS A MINIMUM OF TWO (2) WEEKS AFTER ORDER.
 PRE-ENGINEERED METAL BUILDING MANUFACTURER SHALL FURNISH DIGITAL DRAWINGS AND DIGITAL SET OF COMPLETE DESIGN CALCULATIONS WITH ORIGINAL SIGNATURE AND SEAL BY A WISCONSIN REGISTERED PROFESSIONAL ENGINEER TO
- STRUCRITE, INC., FOR APPROVAL.

 4. SUPERVISING PROFESSIONAL WILL REVIEW AND SUBMIT TO WISCONSIN DEPARTMENT
 OF SAFETY AND PROFESSIONAL SERVICES FOR APPROVAL AND SEND TO THE
- OF SAFETY AND PROFESSIONAL SERVICES FOR APPROVAL AND SEND TO THE CONTRACTOR TO HAVE AVAILABLE ON SITE DURING CONSTRUCTION.
- THE METAL BUILDING AS SHOWN SHALL BE MANUFACTURED BY:
 a. METALLIC BUILDING SYSTEMS
- b. NUCOR BUILDING SYSTEMSc. FOREMOST BUILDINGS

"DESIGN LOADS" SECTION.

- d. KIRBY BUILDING SYTEMS
- THE BUILDING SHALL BE SUPPLIED BY THE CONTRACTOR AS OUTLINED IN THE
- CONTRACT WITH THE OWNER AND AS SHOWN ON THE DRAWINGS.

 7. BUIDING WILL BE DESIGNED TO SUPPORT ROOF AND WALL PANELS TYPES AS SHOWN
- ON THE DRAWINGS.

AMERICAN BUILDINGS COMPANY

8. THE ERECTION OF THE METAL BUILDING AND THE INSTALLATION OF ACCESSORIES SHALL BE PERFORMED IN ACCORDANCE WITH THE BUILDING MANUFACTURER'S ERECTION DRAWINGS BY A QUALIFIED ERECTOR USING PROPER TOOLS AND EQUIPMENT. ERECTION PRACTICES SHALL, IN ADDITION, CONFORM TO PART IV, MBMA "CODE OF STANDARD PRACTICES." THERE SHALL BE NO FIELD MODIFICATIONS TO PRIMARY STRUCTURAL MEMBERS EXCEPT AS AUTHORIZED AND SPECIFIED BY THE BUILDING MANUFACTURER.

EPDM ROOFING

INSTALLATION

A. CONFORM TO APPLICABLE CODE FOR ROOF ASSEMBLY WIND UPLIFT AND FIRE HAZARD
REQUIREMENTS

BMITTALS

- A. PRODUCT DATA FOR EVERY COMPONENT OF THE ROOFING SYSTEM INCLUDING SOURCE MANUFACTURERS FOR ALL COMPONENTS NOT DIRECTLY MANUFACTURED BY THE ROOFING MANUFACTURER.
 - INDICATE MEMBRANE MATERIALS, FLASHING MATERIALS, INSULATION, VAPOR RETARDER, SURFACING, ADHESIVES, SEALANTS AND FASTENERS AND ANY OTHER COMPONENT THAT IS CONSIDERED ESSENTIAL TO MAINTENANCE OF A FULL AND COMPLETE INSTALLATION AND WARRANTY.
- B. SHOP DRAWINGS INDICATING WIND UPLIFT DESIGN, JOINT OR TERMINATION DETAIL CONDITIONS, CONDITIONS OF INTERFACE WITH OTHER MATERIALS.
- C. SUBMIT MANUFACTURER WARRANTY AND ENSURE FORMS HAVE BEEN COMPLETED IN OWNER'S NAME AND REGISTERED WITH MANUFACTURER.

MEMBRANE MATERIALS: UNBALLASTED, ONE PLY EPDM, MECHANICALLY FASTENED OVER INSULATION. 1 VERSICO

WATERPROOFING MANUAL.

- CARLISLE INSULATION SHALL BE BY A SINGLE MANUFACTURER AND BE APPROVED FOR USE BY THE
- ROOFING MANUFACTURER, MINIMUM 2 LAYERS POLYISOCYANURATE.
 MEMBRANE COLOR TO BE SELECTED FROM MFR's STANDARD COLORS.
 SEAMING MATERIALS: AS RECOMMENDED BY MEMBRANE MANUFACTURER.
- PROVIDE ALL ACCESSORY ITEMS THAT COMPOSE ANY MATERIAL OR COMPONENT PORTION OF THE ROOFING SYSTEM.
- B. VERIFY THAT SURFACES AND SITE CONDITIONS ARE READY TO RECEIVE WORK.
 C. PERFORM WORK IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS & NRCA ROOFING AND

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