



SMB WAREHOUSE GEORGETOWN, GUYANA PACIFIC RIM CONSTRUCTORS

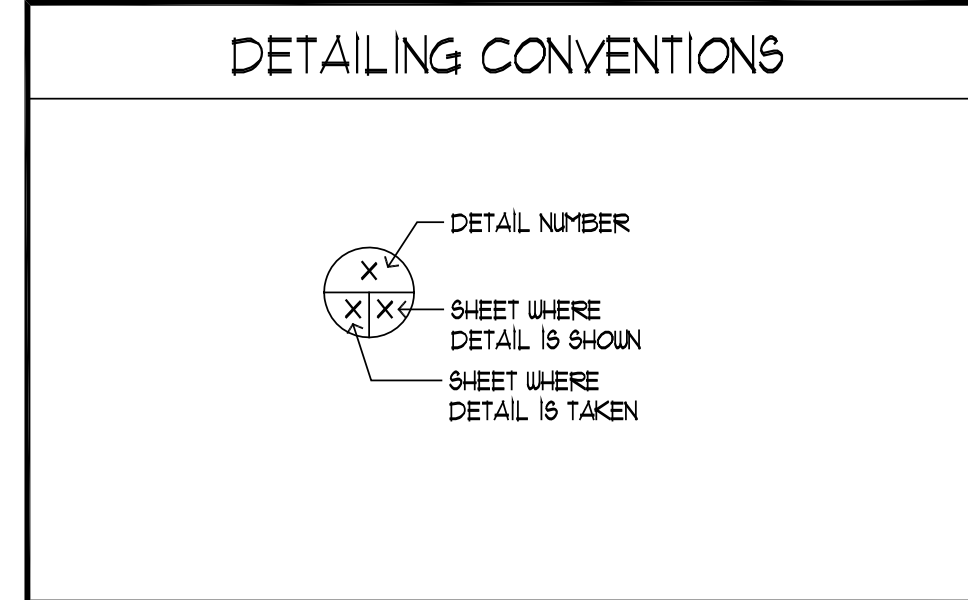
PLANTATION "A" HOUSTON DISTRICT GREATER GEORGETOWN GUYANA

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GENERAL NOTES:

- ALL WORK SHALL CONFORM TO THE 2015 VERSION OF THE INTERNATIONAL BUILDING CODE (IBC) AND THE CURRENT EDITION OF IBCOT STANDARD PLANS AND SPECIFICATIONS AS WELL AS APPLICABLE MECHANICAL, ELECTRICAL AND ENERGY CODES. CONTRACTOR IS RESPONSIBLE TO SEE THAT WORK IN THE FIELD IS DONE IN ACCORDANCE WITH ALL CURRENT APPLICABLE GUYANA, STATE AND LOCAL CODES, ORDINANCES, REQUIREMENTS, ETC. ARE SPECIFICALLY SHOWN ON DRAWINGS AND/OR CALLED FOR IN THE SPECIFICATIONS.
- THESE PLANS AND SPECIFICATIONS ARE THE EXCLUSIVE PROPERTY OF BRUCE DUNN (ARCHITECT). ANY REPRODUCTION, MODIFICATION, DISCLOSURE AND/OR USE OF THESE MATERIALS (OR ANY PORTION THEREOF) WITHOUT THE ARCHITECT'S PRIOR WRITTEN CONSENT IS STRICTLY PROHIBITED.
- DRAWINGS SHOULD NOT BE SCALED. (N.T.S.) INDICATES 'NOT TO SCALE'. THE LISTED DIMENSIONS SHALL GOVERN, UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL COORDINATE ALL PORTIONS OF THE WORK DESCRIBED IN THE CONTRACT DRAWINGS AND SPECIFICATIONS. THE CONTRACTOR SHALL VERIFY AND CONFIRM ALL DIMENSIONS AND CONDITIONS SHOWN OR IMPLIED ON THE DRAWINGS AND SPECIFICATIONS AS WELL AS THE EXISTING WORK AND PHYSICAL CONDITIONS OF THE SITE. IN THE EVENT OF DISCREPANCIES BETWEEN THE DRAWINGS AND SPECIFICATIONS IN THIS PACKAGE, PLEASE NOTIFY ARCHITECT IMMEDIATELY.
- CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL REQUIRED SAFETY PRECAUTIONS AND THE METHODS, TECHNIQUES, OR PROCEDURES REQUIRED TO PERFORM THE WORK.
- CONTRACTOR SHALL PROTECT ALL EXISTING ITEMS AND FACILITIES TO REMAIN THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL REPAIR AND/OR REPLACE, AT CONTRACTOR'S EXPENSE, ANY EXISTING ITEMS AND FACILITIES TO REMAIN THAT ARE DAMAGED BY CONTRACTOR'S OPERATIONS TO THE SATISFACTION OF THE OWNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING APPROPRIATE JURISDICTIONS FOR REQUIRED INSPECTIONS AND SHALL PAY ALL FEES ASSOCIATED WITH THE WORK.
- THE CONTRACTOR SHALL CLEANUP DEBRIS AND HAUL AWAY ON A CONTINUOUS BASIS.
- EACH CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF DAMAGE TO THE WORK OF OTHER TRADES CAUSED BY HIS OPERATIONS. THE NATURE OF SUCH REPAIR WORK MUST RECEIVE THE PRIOR APPROVAL OF THE APPROPRIATE CONTRACTOR'S REPRESENTATIVE.
- UNLESS STATED OTHERWISE IN THE SPECIFICATIONS, ALL PROCEDURES, TESTING, MATERIALS AND EQUIPMENT SHOWN ON THE PLANS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
- UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL PROVIDE THE OWNER WITH A SET OF PRINTS OF THE FINAL CONSTRUCTION DOCUMENTS. ALL "AS-BUILT" MODIFICATIONS, INCLUDING MODIFICATIONS TO THE WORK OF ALL SUBCONTRACTORS, SHOULD BE CLEARLY NOTED ON THESE PLANS.
- OVERLAPPING/CONFLICTING REQUIREMENTS: MOST STRINGENT (GENERALLY MOST COSTLY) APPLIES AND WILL BE ENFORCED, UNLESS MORE DETAILED LANGUAGE WRITTEN DIRECTLY INTO CONTRACT DOCUMENTS CLEARLY INDICATED THAT A LESS STRINGENT REQUIREMENT IS ACCEPTABLE. REFER UNCERTAINTIES TO ARCHITECT FOR DECISION BEFORE PROCEEDING.
- WHERE OPTIONAL REQUIREMENTS ARE SPECIFIED IN A PARALLEL MANNER, OPTIONS ARE INTENDED TO BE CONTRACTOR'S UNLESS OTHERWISE INDICATED.



PROJECT INFORMATION:

PROPERTY ADDRESS: PLANTATION "A", HOUSTON DISTRICT GREATER GEORGETOWN, GUYANA

PROPERTY OWNER: PACIFIC RIM CONSTRUCTORS
146 NORTH CANAL STREET
SUITE 340
SEATTLE, WA 98103

GEOGRAPHIC ID (PARCEL NUMBERS): N/A

PROJECT DESCRIPTION: CONSTRUCTION OF A WAREHOUSE.

GOVERNING CODE: 2015 INTERNATIONAL BUILDING CODE
2015 INTERNATIONAL MECHANICAL CODE
2015 UNIFORM PLUMBING CODE
ICC A111-1:2009 ACCESSIBLE AND USABLE BUILDING AND FACILITIES
2015 INTERNATIONAL FIRE CODE
2015 NATIONAL ELECTRICAL CODE
2008 NEC WITH 2014 WAC RULES

ZONING: COMMERCIAL/INDUSTRIAL

STRUCTURE USE: STORAGE/WAREHOUSE

CONSTRUCTION TYPE: V-B

AUTOMATIC SPRINKLERS: NO

FIRE ALARM: YES

OCCUPANCY TYPE: 5-2 WITH ACCESSORY USE BUSINESS GROUP B

OCCUPANCY SEPARATION: NONE (PER 508.2.4)

LOT SIZE: 30 ACRES

BUILDING HEIGHT: 31'-6"

MAXIMUM HEIGHT ALLOWED: 40'-0" (PER TABLE 504.3)

NUMBER OF STORIES: ONE (TWO STORIES ALLOWED PER TABLE 503)

FLOOR AREA: OCCUPANCY 5-2: 11,415 SF
ACCESSORY OFFICE: 2,319 SF
TOTAL AREA: 13,734 SF

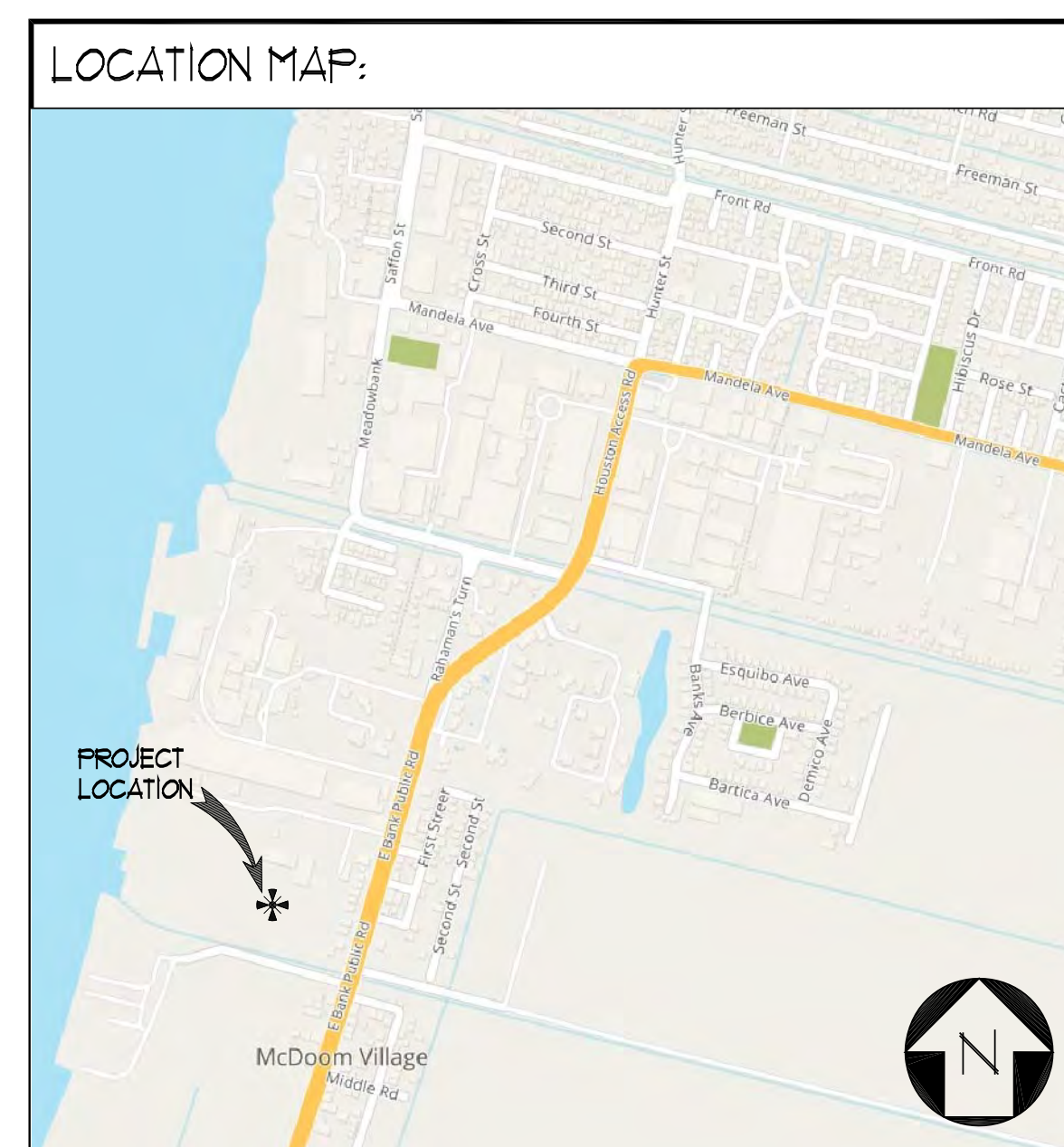
COVERED STAGING AREA: 11,818 SF

ALLOWABLE AREA: UNLIMITED PER IBC SECTION 501.3



ABBREVIATIONS:

4	AND	HDW	HARDWARE	R	RADIUS
e	AT	HM	HOLLOW METAL	REF	REFRIGERATOR
∠	ANGLE	HOR	HORIZONTAL	REINF	REINFORCING
ACT	ACOUSTICAL CEILING TILE	HVAC	HEATING, VENT. & AIR COND.	REQ'D	REQUIRED
AFF	ABOVE FINISHED FLOOR	IE	INVERT ELEVATION	REV	REVISION
ALT	ALTERNATE	IN	INCH	RO	ROUGH OPENING
ALUM	ALUMINUM	INSUL	INSULATION	SCHED	SCHEDULE
BLDG	BUILDING	L	ANGLE SHAPE	SCW	SOLID CORE WOOD
B.O.	BOTTOM OF	LAM	LAMINATE	SF	SQUARE FOOT/FEET
CLR	CLEAR OR CLEARANCE	LAV	LAVATORY	SM	SIMILAR
CMU	CONCRETE MASONRY UNIT	LF	LINEAL FOOT/FEET	SQ	SQUARE
CL	CENTERLINE	MAX	MAXIMUM	STD	STANDARD
COL	COLUMN	MCH	MECHANICAL	STL	STEEL
CONST	CONSTRUCTION	MFR	MANUFACTURER	STG, STOR	STORAGE
CONT	CONTINUOUS	MIN	MINIMUM	SUSP	SUSPENDED
DIA, ∅	DIAMETER	MISC	MISCELLANEOUS	TEMP, T	TEMPERED
DF	DOUGLAS FIR	N/A	NOT APPLICABLE	THERMO	THERMOSTAT
DN	DOWN	NIC	NOT IN CONTRACT	T.O.	TOP OF
DWG	DRAWING	NO, •	NOT TO SCALE	TS	TUBE STEEL
EA	EACH	NOM	NOMINAL	TYP	TYPICAL
EJ	EXPANSION JOINT	NTS	NOT TO SCALE	UNO.	UNLESS NOTED OTHERWISE
EL, ELEV	ELEVATION	OC	ON CENTER	VAR	VARIABLE
EQ	EQUAL	OD	OUTSIDE DIAMETER	VB	VAPOR BARRIER
EXIST	EXISTING	OPF	OVERHEAD	VCT	VINYL COMPOSITION TILE
EW	EACH WAY	OVD	OVERHEAD	VERT	VERTICAL
FE	FIRE EXTINGUISHER	PERM	PERMANENT	W	WIDE FLANGE SHAPE
FF	FINISHED FLOOR	PERP	PERPENDICULAR	WITH	WITH
FT	FOOT/FEET	PLAM	PLASTIC LAMINATE	WO	WITHOUT
GA	GALVANIZED	PLT	PLATE	WC	WATER CLOSET
GALV	GALVANIZED	PLT	PLATE	WLF	WELDED WIRE FABRIC
GWB	GYPSONUM WALL BOARD	PVC	POLYVINYL CHLORIDE		
GYP	GYPSONUM				



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5515 REGISTERED ARCHITECT
BRUCE J. DUNN
STATE OF WASHINGTON

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KEY INDEX

SMB WAREHOUSE
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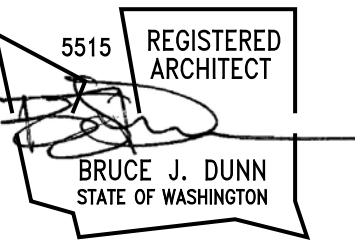
Plantation "A"
Houston District
Greater Georgetown, Guyana

TITLE SHEET

DATE	5/22/2019	SHEET	T1
SCALE	NONE		
DRAWN	BB		
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CONTRACT			
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THESE DRAWINGS HAVE BEEN PRINTED IN FULL SIZE AND HALF SIZE. IF THE DRAWINGS YOU ARE LOOKING AT IS NOT 24" X 36" IT HAS BEEN REDUCED TO HALF SIZE. DO NOT REFER TO THE ARCHITECTURAL SCALE ON THE INDIVIDUAL DRAWINGS OR DETAIL. PLEASE USE APPROPRIATE GRAPHIC SCALE FOR ALL DIMENSIONS OF THE DRAWING.

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**SBM WAREHOUSE
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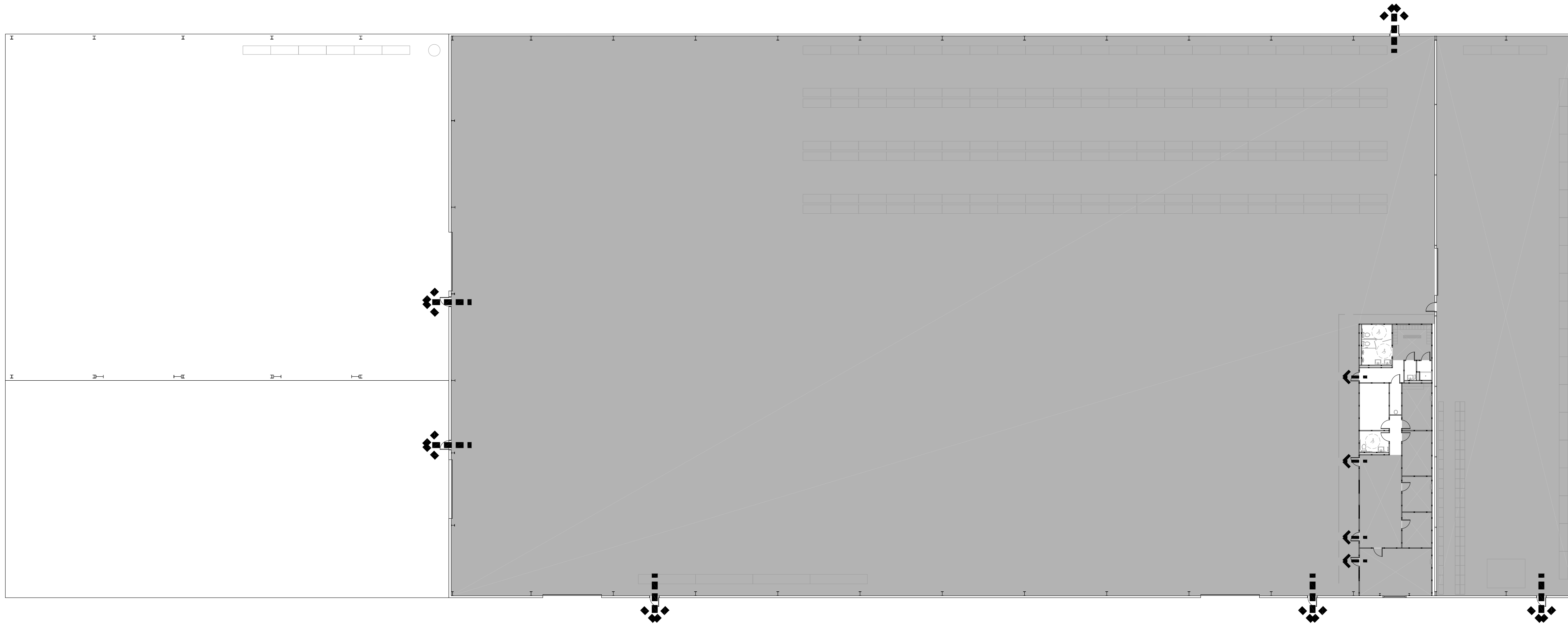
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EXITING PLAN

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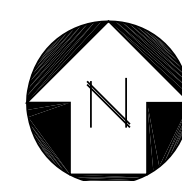
SHEET
A0.1

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MAIN FLOOR EXITING PLAN

NTS

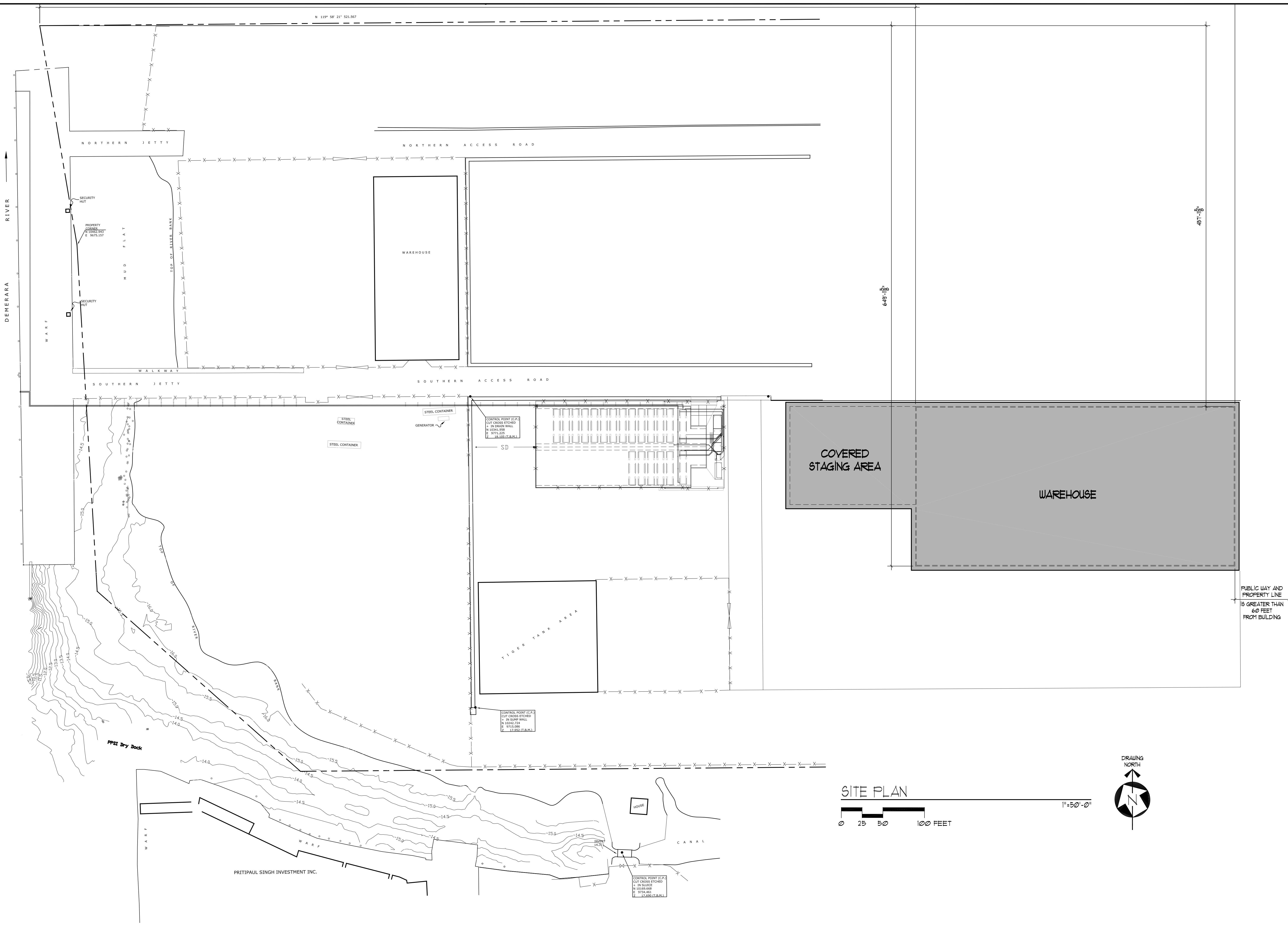


GENERAL NOTES:

- A. OVERLAPPING/CONFLICTING REQUIREMENTS: MOST STRINGENT (GENERALLY MOST COSTLY) APPLIES AND WILL BE ENFORCED, UNLESS MORE DETAILED LANGUAGE WRITTEN DIRECTLY INTO CONTRACT DOCUMENTS CLEARLY INDICATED THAT A LESS STRINGENT REQUIREMENT IS ACCEPTABLE. REFER UNCERTAINTIES TO ARCHITECT FOR DECISION BEFORE PROCEEDING.
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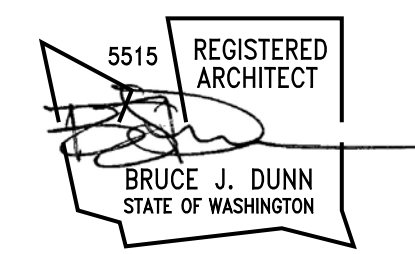
LEGEND:

- MEANS OF EGRESS DIRECTION OF TRAVEL
- OCCUPIED SPACE



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 1/20/2017 - REVISION FOR RD COMMENTS

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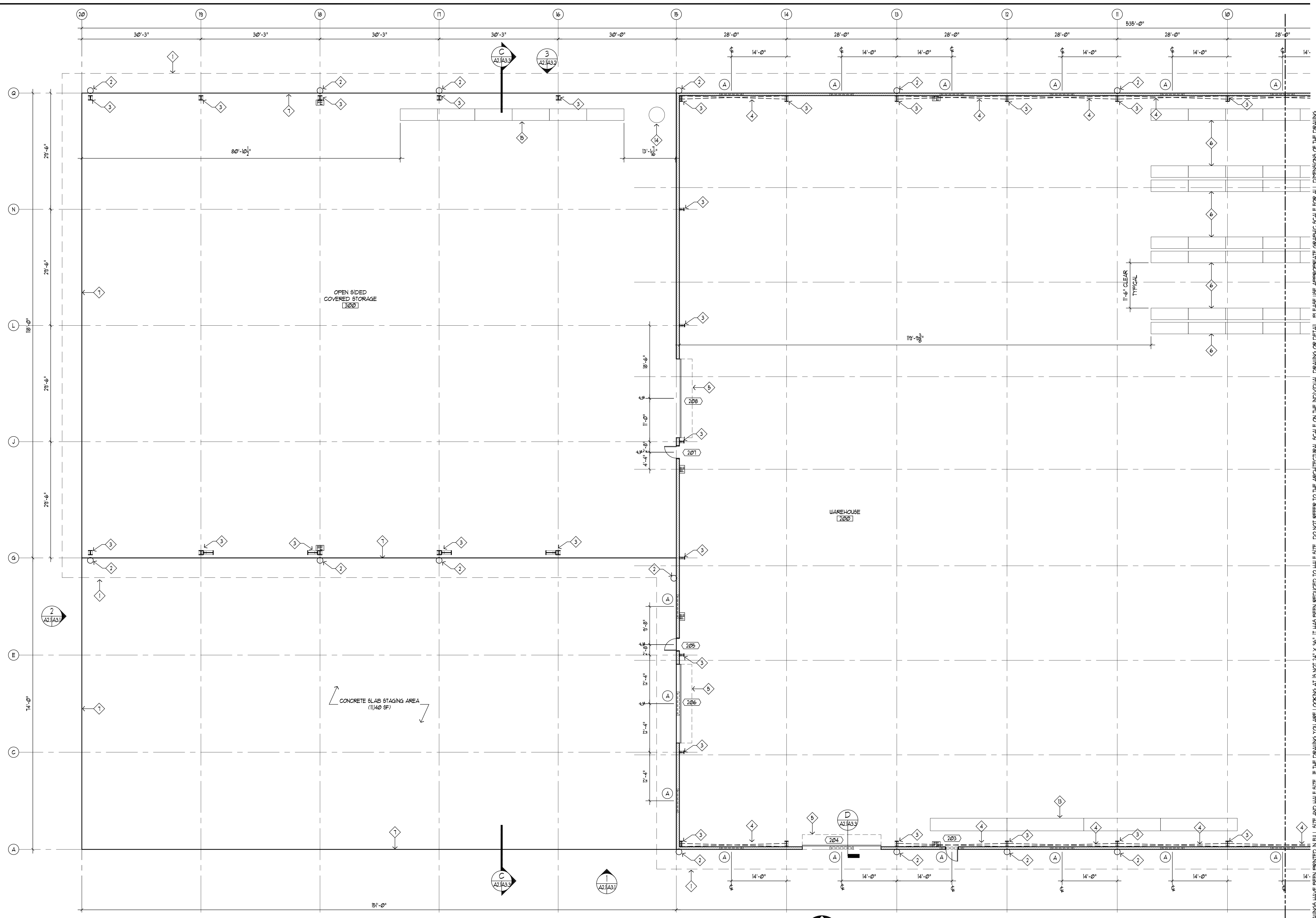
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 Greater Georgetown, Guyana

SITE PLAN

DATE: 8/22/09
 SCALE: AS SHOWN
 DRAWN: BS
 CHECK: CLJ
 CONTRACT:
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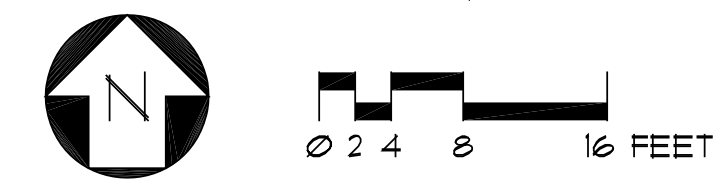
SHEET
 A1



GENERAL NOTES:
 A. SEE SHEET A22 FOR NOTES AND LEGEND.

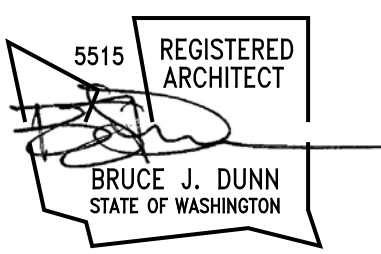
FLOOR PLAN - WEST

3/32"=1'-0"



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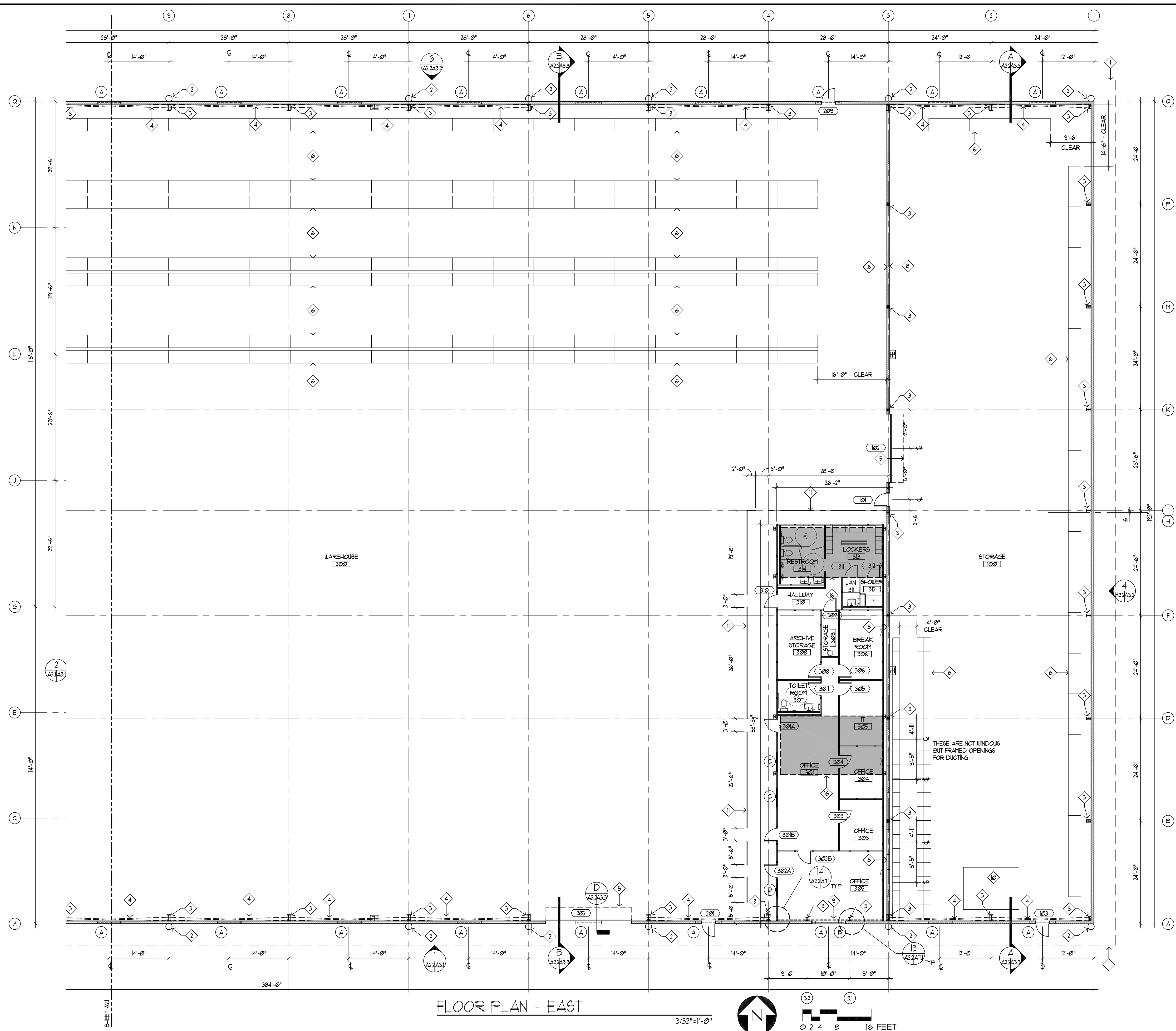
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**FLOOR PLAN
 WEST**

DATE 5/22/19
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 DRAWN 06
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 CONTRACT
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SHEET
A2.1



GENERAL NOTES:

A. OVERLAPPING/CONFLICTING REQUIREMENTS: MOST STRINGENT (GENERALLY MOST COSTLY) APPLIES AND WILL BE ENFORCED, UNLESS MORE DETAILED LANGUAGE WRITTEN DIRECTLY INTO CONTRACT DOCUMENTS CLEARLY INDICATED THAT A LESS STRINGENT REQUIREMENT IS ACCEPTABLE. REFER UNCERTAINTIES TO ARCHITECT FOR DECISION BEFORE PROCEEDING.

B. WHERE OPTIONAL REQUIREMENTS ARE SPECIFIED IN A PARALLEL MANNER, OPTIONS ARE INTENDED TO BE CONTRACTOR'S UNLESS OTHERWISE INDICATED.

C. PROVIDE SOLID BLOCKING EVERY 10'-0" MAX. VERTICAL, TYPICAL AT ALL FRAMED WALLS.

D. SEE SHEET A5.1 FOR INTERIOR ELEVATIONS.

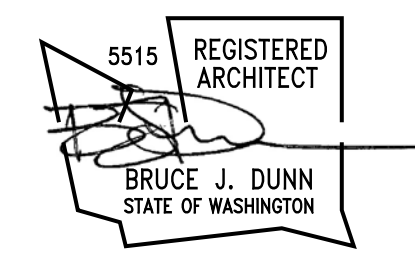
LEGEND:

- METAL GIRT WALL BY BUILDING MANUFACTURER, SEE WALL TYPE B, SHEET A6.1
- 5/8" GUB OVER 1/8" HAT CHANNEL @ 16" OC, SEE WALL TYPE A, SHEET A6.1
- FIRE EXTINGUISHER CABINET, TYPICAL, UNO
- ELECTRICAL PANEL (RECESSED OR SURFACE MOUNTED), SEE ELECTRICAL
- MECHANICAL PLATFORM

GENERAL FLOOR PLAN NOTES:

1. LINE OF ROOF ABOVE.
2. PREFINISHED METAL DOWNSPOUT, CONNECT TO TIGHTLINE.
3. METAL BUILDING MAIN FRAME COLUMN.
4. METAL BUILDING X-BRACING.
5. LINE OF COILING DOOR HOUSING, ABOVE.
6. SHELVING.
7. EDGE OF CONCRETE SLAB ON GRADE.
8. INSTALL INSULATED WALL PANEL, THIS SIDE.
9. 5/8" GUB OVER 1/8" HAT CHANNEL @ 16" OC.
10. AUTOMATED VERTICAL STORAGE MACHINE.
11. PREFINISHED METAL RAILING, INSTALL PER MANUFACTURER'S SPECIFICATIONS, TYPICAL.
12. KITCHEN UNIT, INSTALL PER MANUFACTURER'S SPECIFICATIONS.
13. (4) 32" x 19'-6" LONG CANTILEVER RACKS.
14. AIR COMPRESSOR(S).
15. (1) ROW, (6) BAYS @ 56@8', HIGH LOAD RATING SHELVES.
16. DECK AND FRAMING ABOVE, SEE STRUCTURAL.

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KEY INDEX

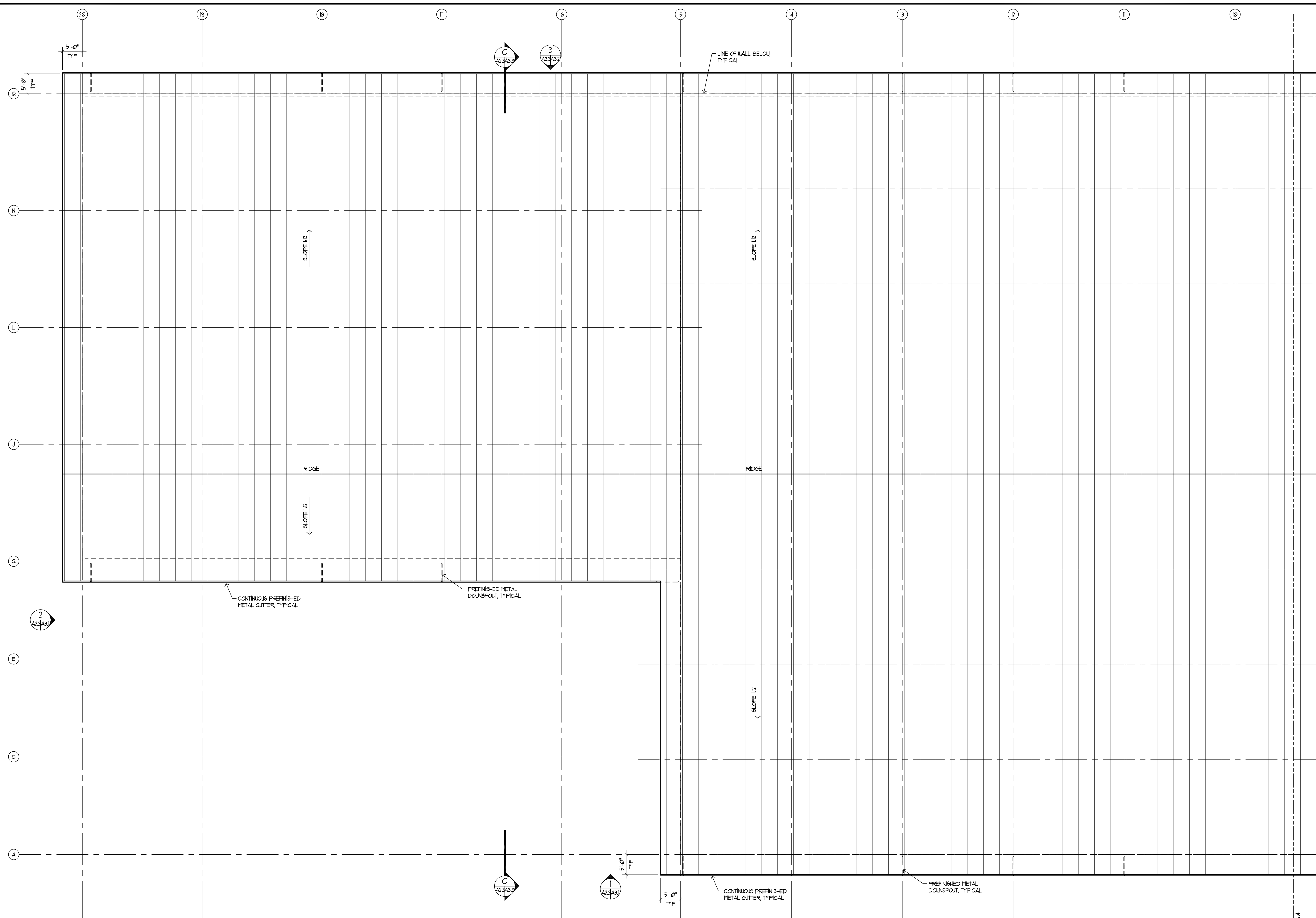
SBM WAREHOUSE
 GEORGETOWN
 GUYANA

Plantation "A"
 Houston District
 Greater Georgetown, Guyana

FLOOR PLAN
 EAST

DATE: 8/22/2019	SHEET
SCALE: AS SHOWN	A2.2
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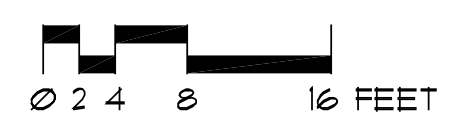
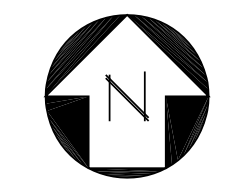
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GENERAL NOTES:
 A. SEE SHEET A2.4 FOR NOTES AND LEGEND.

ROOF PLAN - WEST

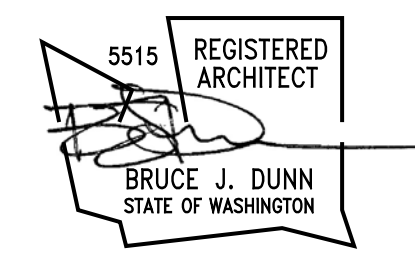
3/32"=1'-0"



SHEET A2.4

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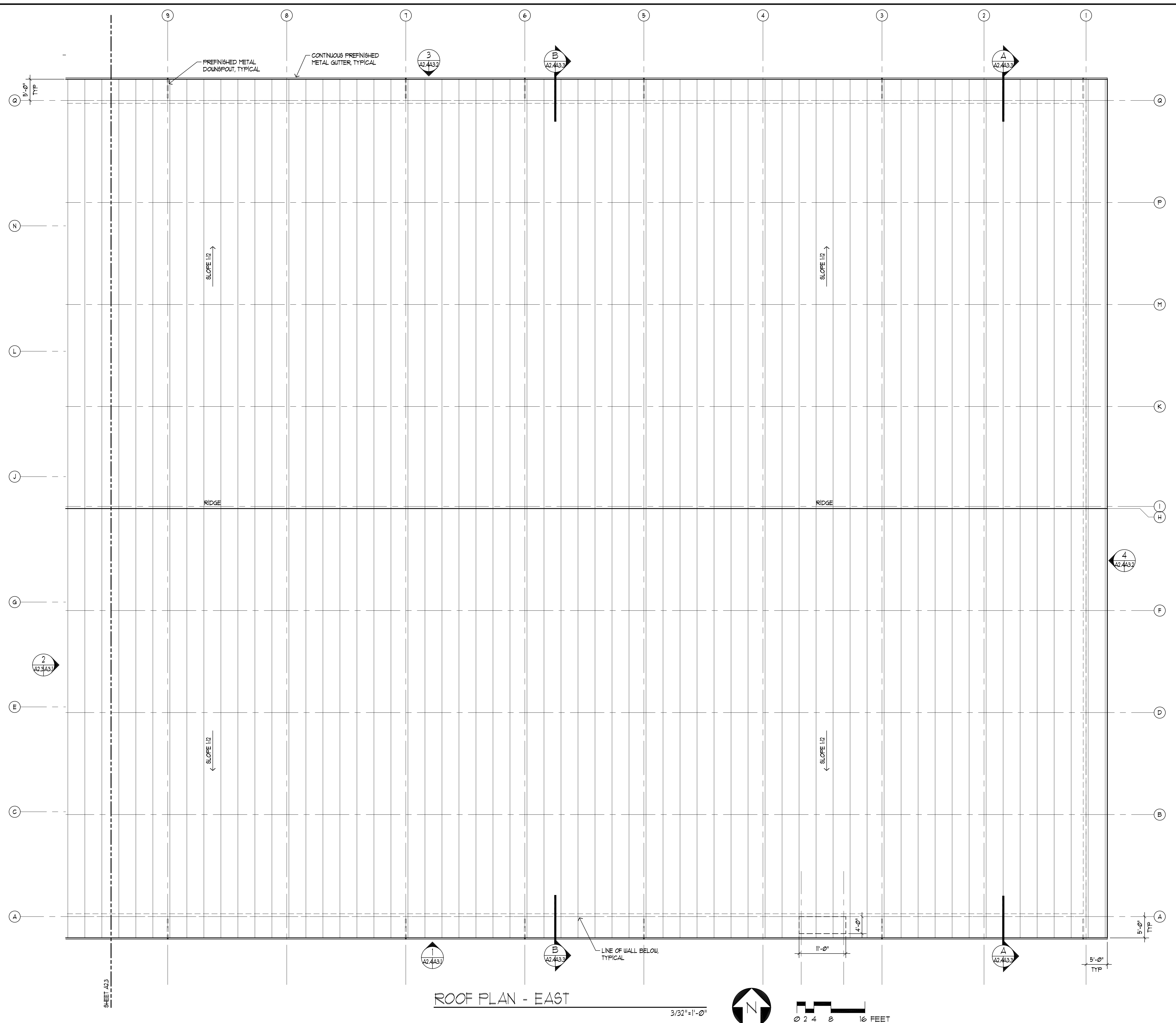
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**ROOF PLAN
 WEST**

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CONTRACT	
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SHEET
A2.3



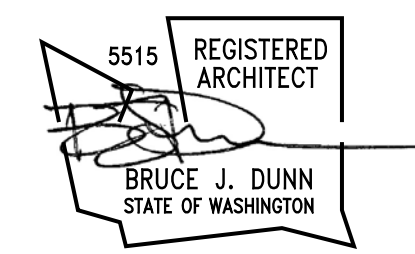
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 - B. WHERE OPTIONAL REQUIREMENTS ARE SPECIFIED IN A PARALLEL MANNER, OPTIONS ARE INTENDED TO BE CONTRACTOR'S UNLESS OTHERWISE INDICATED.
 - C. VENT THROUGH ROOF, INSTALL PER DETAIL 16/A11. INSTALL ALL PENETRATIONS BETWEEN RIBS AT METAL ROOFING. PAINT TO MATCH ROOF COLOR. COORDINATE WITH PLUMBING AND MECHANICAL.

- LEGEND:**
- 10" THICK CONCRETE RETAINING WALL
 - METAL STUD WALL CONSTRUCTION
 - ONE-HOUR FIRE SEPARATION WALL: 5/8" TYPE 'X' GIBS OVER METAL STUDS @ 16" OC WITH SOUND BATT INSULATION OVER 5/8" TYPE 'X' GIBS. EXTEND TO BOTTOM OF ROOF OR FLOOR SHEATHING/DECK. (DETAIL 28/A02) OR FIRE-RATED LID
 - WALL TYPE PER SHEET A13, COORDINATE WITH STRUCTURAL DRAWINGS FOR SHEARWALL LOCATIONS
 - FIRE EXTINGUISHER CABINET, TYPICAL, UNO
 - ELECTRICAL PANEL (RECESSED OR SURFACE MOUNTED), SEE ELECTRICAL

- GENERAL FLOOR PLAN NOTES:**
1. NOTE
 2. NOTE
 3. NOTE
 4. NOTE
 5. NOTE
 6. NOTE
 7. NOTE
 8. NOTE
 9. NOTE
 10. NOTE

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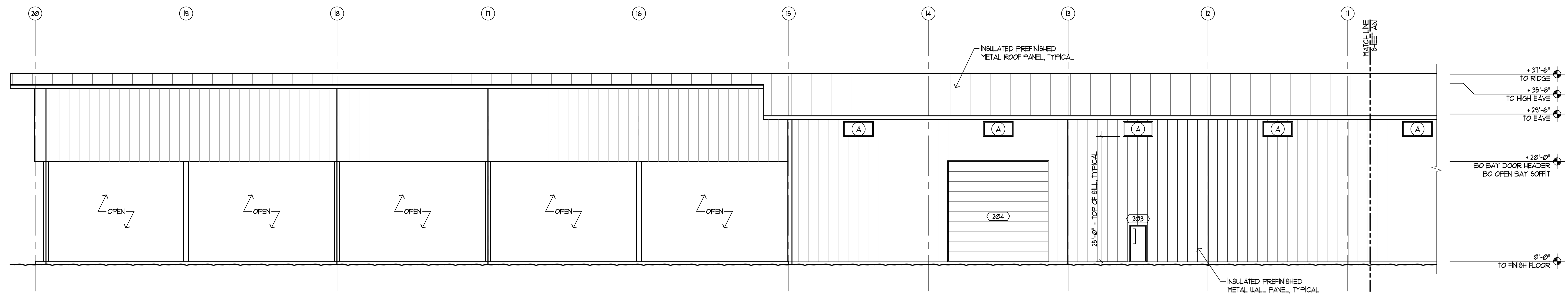
KEY INDEX

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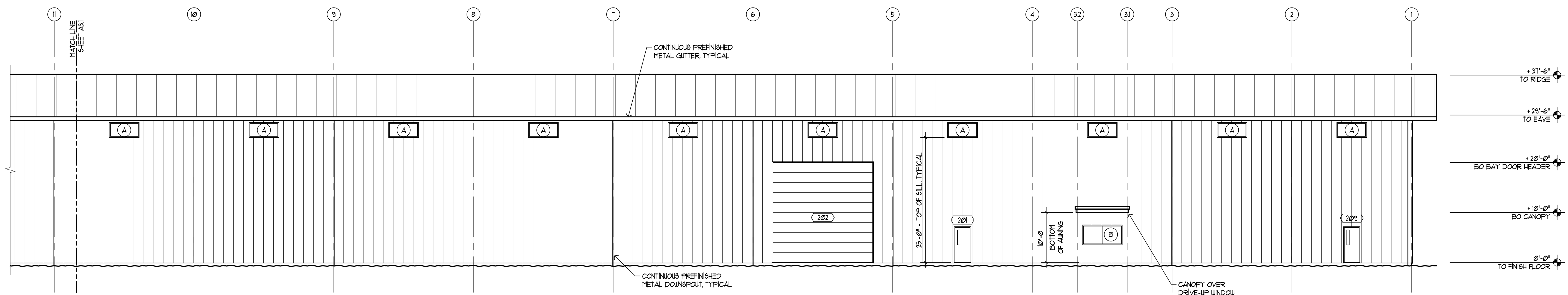
Plantation "A"
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ROOF PLAN
 EAST

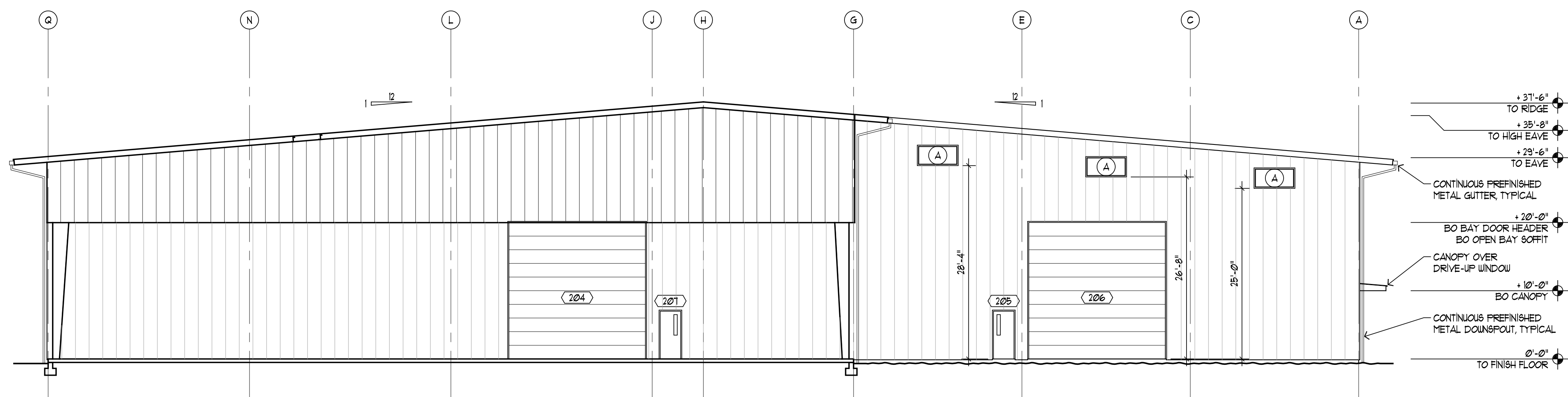
DATE: 5/22/2019	SHEET
SCALE: AS SHOWN	A2.4
DRAWN: 06	
CHECK: ELD	
CONTRACT:	
COPYRIGHT: 2019	



SOUTH ELEVATION - WEST
 3/32"=1'-0"
 0 2 4 8 16 FEET



SOUTH ELEVATION - EAST
 3/32"=1'-0"

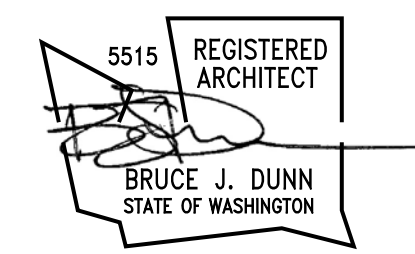


WEST ELEVATION
 3/32"=1'-0"

GENERAL NOTES:
 A. OVERLAPPING/CONFLICTING REQUIREMENTS: MOST STRINGENT (GENERALLY MOST COSTLY) APPLIES AND WILL BE ENFORCED, UNLESS MORE DETAILED LANGUAGE WRITTEN DIRECTLY INTO CONTRACT DOCUMENTS CLEARLY INDICATED THAT A LESS STRINGENT REQUIREMENT IS ACCEPTABLE. REFER UNCERTAINTIES TO ARCHITECT FOR DECISION BEFORE PROCEEDING.
 B. WHERE OPTIONAL REQUIREMENTS ARE SPECIFIED IN A PARALLEL MANNER, OPTIONS ARE INTENDED TO BE CONTRACTOR'S UNLESS OTHERWISE INDICATED.

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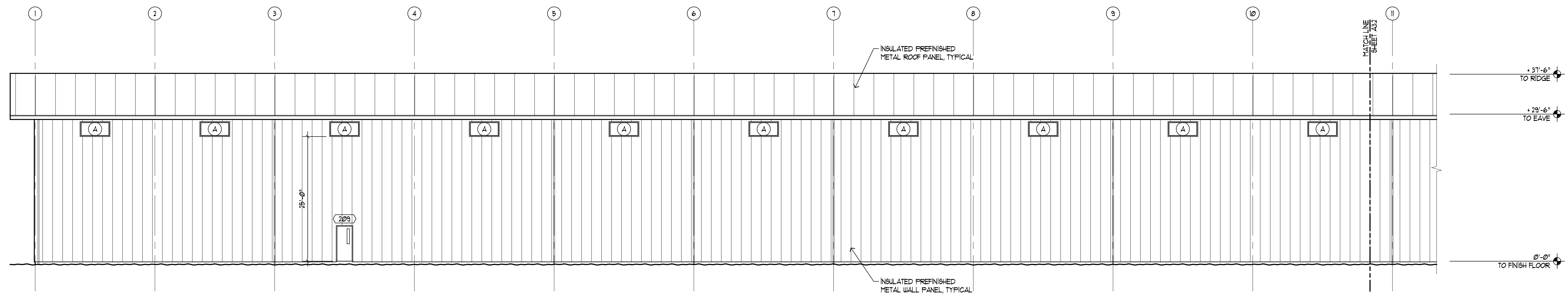
KEY INDEX

SBM WAREHOUSE
GEORGETOWN
GUYANA

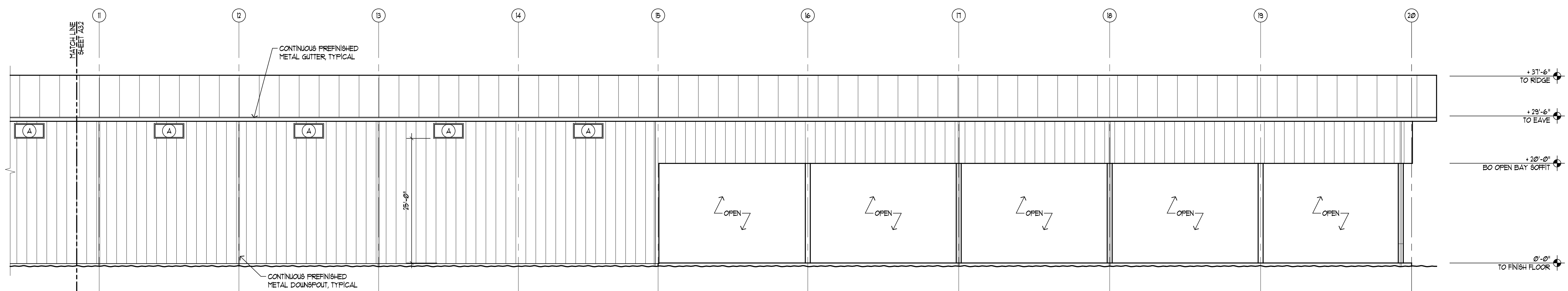
Plantation "A"
 Houston District
 Greater Georgetown, Guyana

BUILDING ELEVATIONS-1

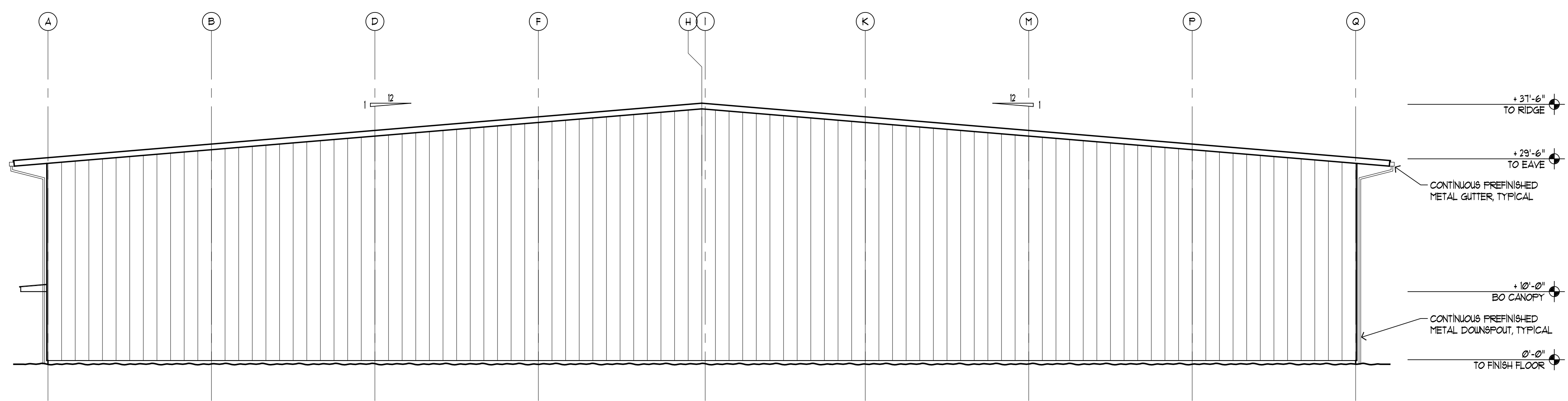
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SCALE: AS SHOWN	A3.1
DRAWN: 06	
CHECK: BJD	
CONTRACT:	
COPYRIGHT: 2019	



3 NORTH ELEVATION - EAST
 3/32"=1'-0"
 0 2 4 8 16 FEET



3 NORTH ELEVATION - WEST
 3/32"=1'-0"

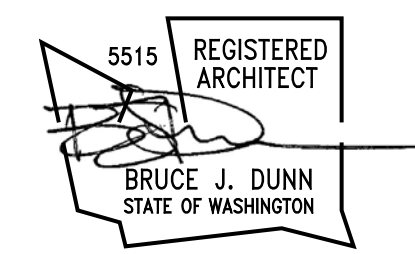


4 EAST ELEVATION
 3/32"=1'-0"

GENERAL NOTES:
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 B. WHERE OPTIONAL REQUIREMENTS ARE SPECIFIED IN A PARALLEL MANNER, OPTIONS ARE INTENDED TO BE CONTRACTOR'S UNLESS OTHERWISE INDICATED.

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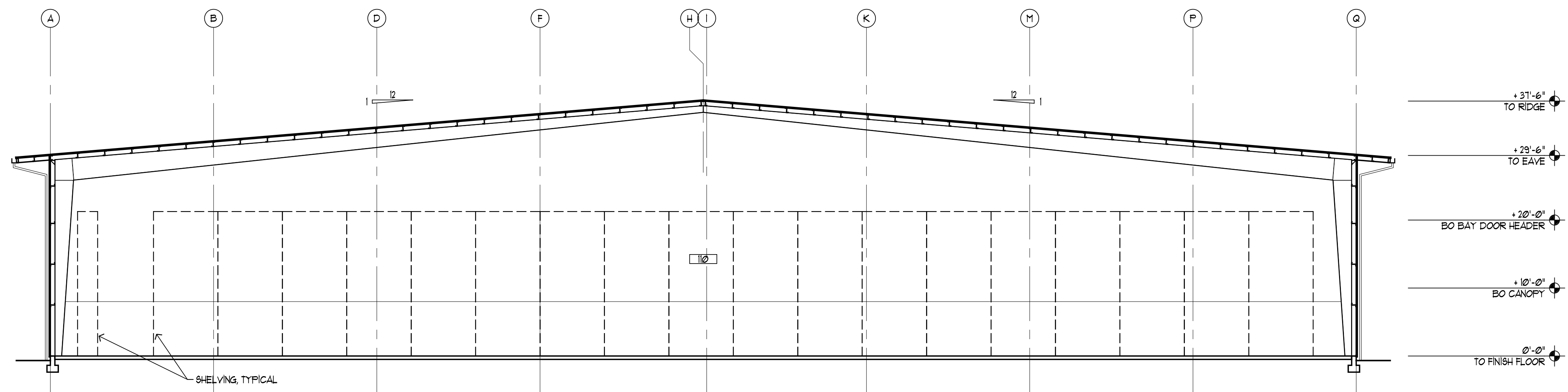
KEY INDEX

SBM WAREHOUSE
GEORGETOWN
GUYANA

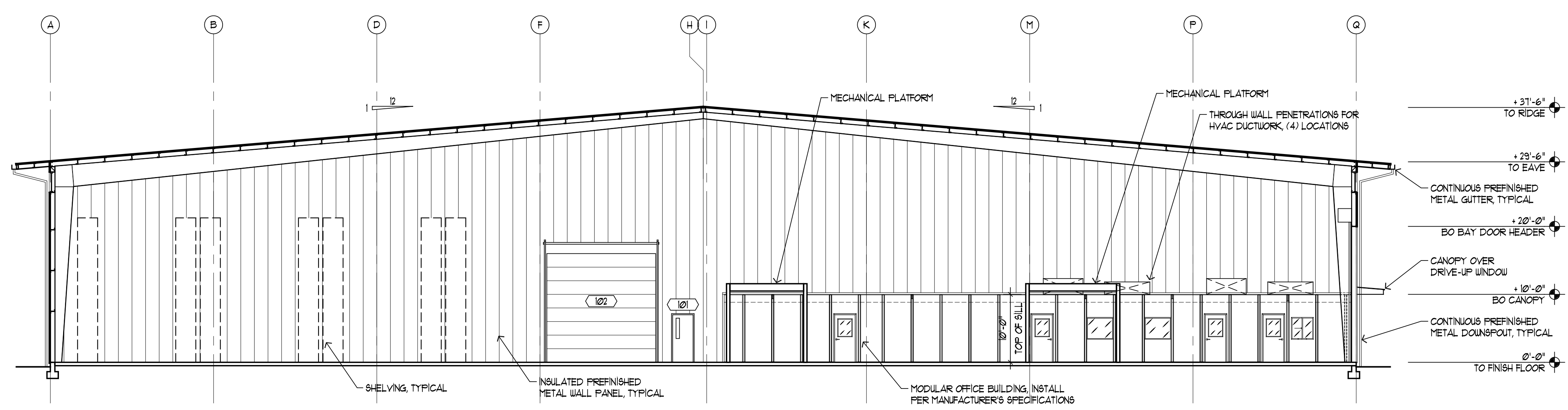
Plantation "A"
 Houston District
 Greater Georgetown, Guyana

BUILDING ELEVATIONS-2

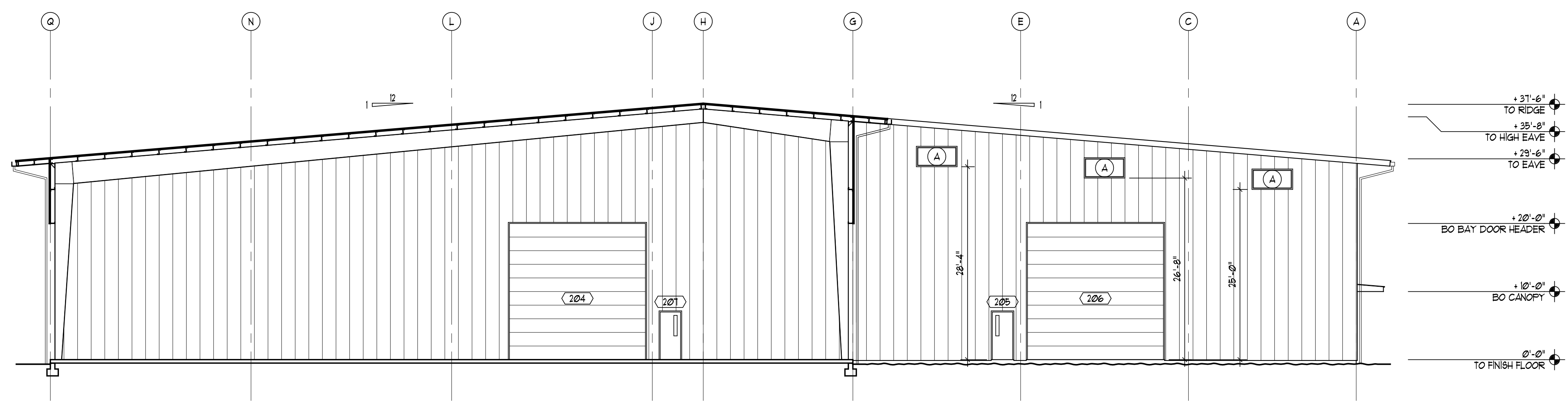
DATE 8/22/2019	SHEET A3.2
SCALE AS SHOWN	
DRAWN BB	
CHECK BLD	
CONTRACT	
COPYRIGHT 2019	



A SECTION A-A
 3/32" = 1'-0"
 0 2 4 8 16 FEET

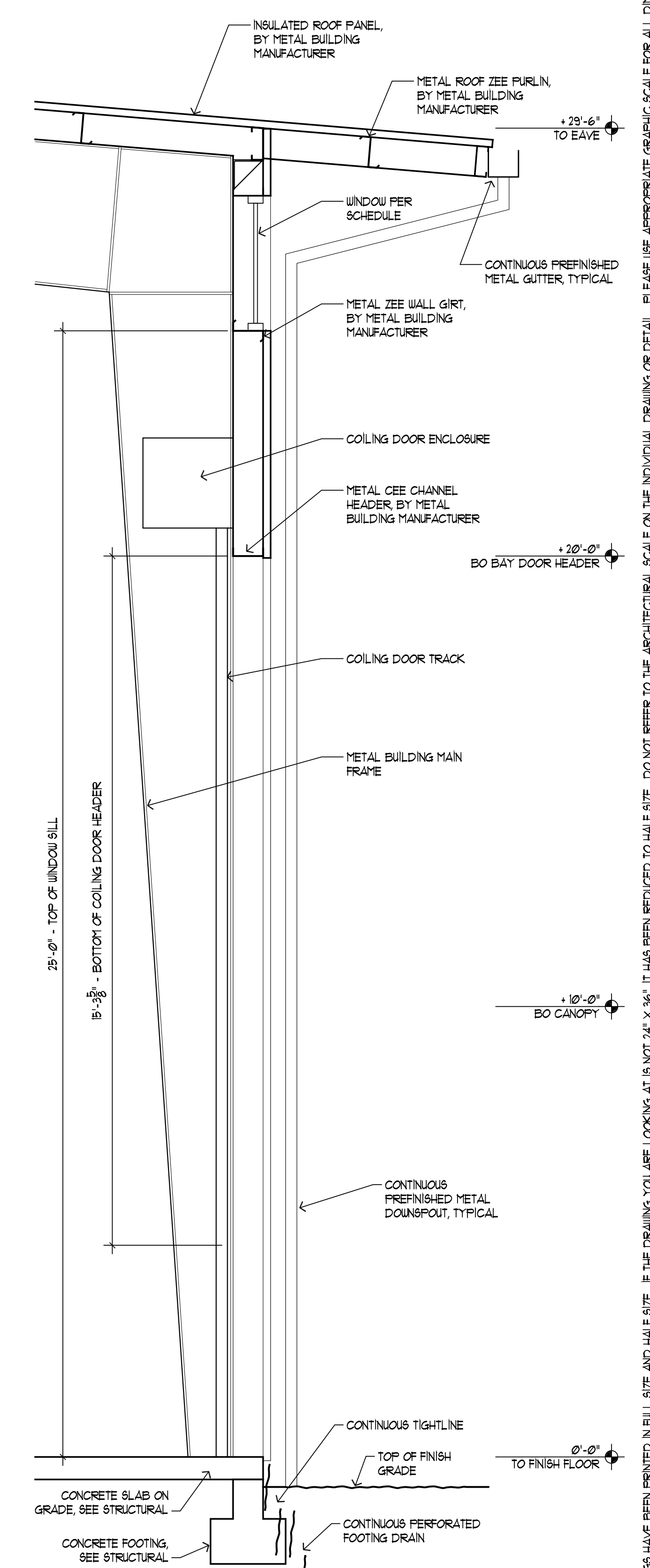


B SECTION B-B
 3/32" = 1'-0"



C SECTION C-C
 3/32" = 1'-0"

GENERAL NOTES:
 A. OVERLAPPING/CONFLICTING REQUIREMENTS: MOST STRINGENT (GENERALLY MOST COSTLY) APPLIES AND WILL BE ENFORCED, UNLESS MORE DETAILED LANGUAGE WRITTEN DIRECTLY INTO CONTRACT DOCUMENTS CLEARLY INDICATED THAT A LESS STRINGENT REQUIREMENT IS ACCEPTABLE. REFER UNCERTAINTIES TO ARCHITECT FOR DECISION BEFORE PROCEEDING.
 B. WHERE OPTIONAL REQUIREMENTS ARE SPECIFIED IN A PARALLEL MANNER, OPTIONS ARE INTENDED TO BE CONTRACTOR'S UNLESS OTHERWISE INDICATED.
 C. PROVIDE SOLID BLOCKING EVERY 10'-0" MAX. VERTICAL, TYPICAL AT ALL FRAMED WALLS.



D TYPICAL WALL SECTION
 3/32" = 1'-0"

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5515 REGISTERED ARCHITECT
 BRUCE J. DUNN
 STATE OF WASHINGTON

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KEY INDEX

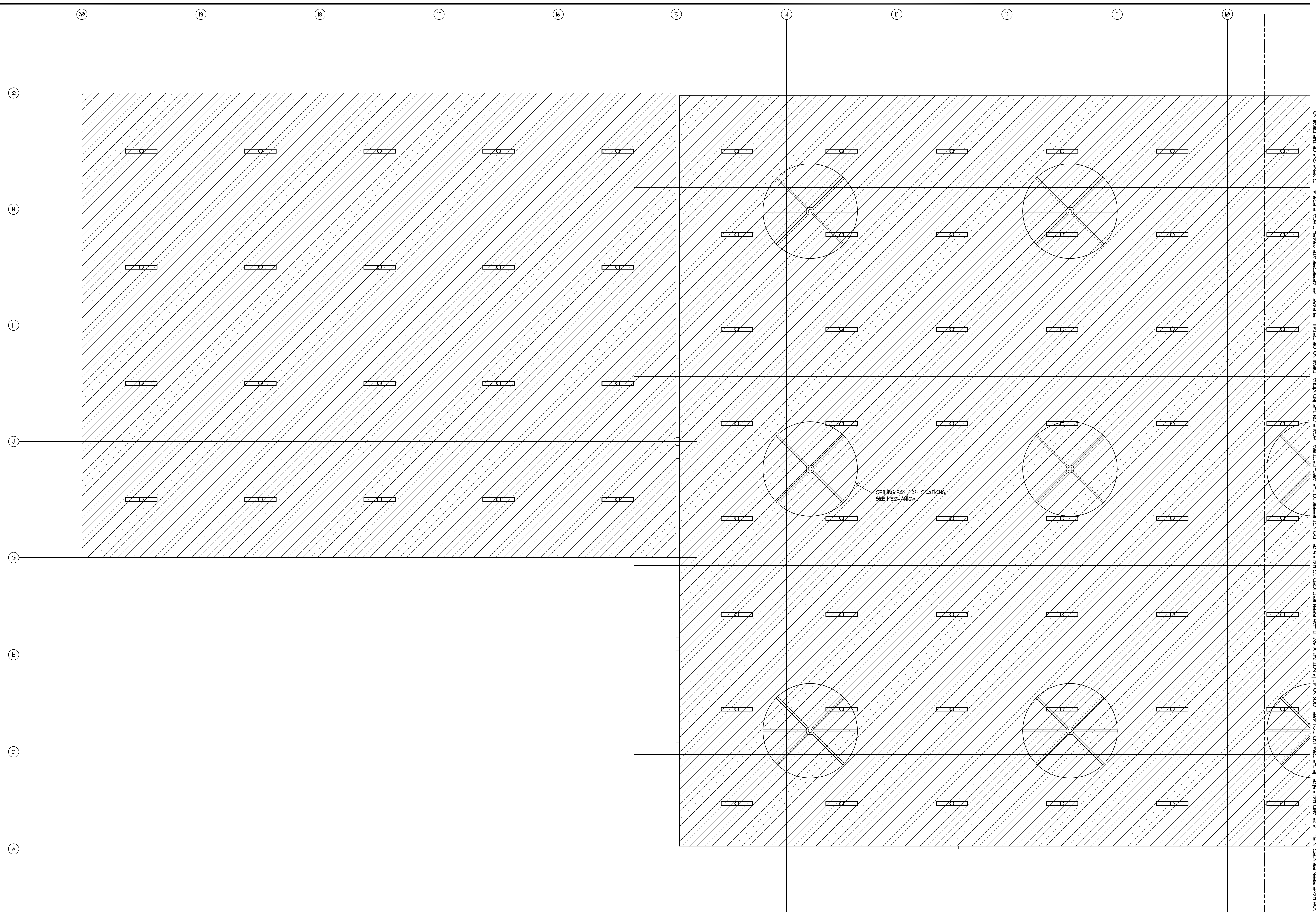
SBM WAREHOUSE
 GEORGETOWN
 GUYANA

Plantation "A"
 Houston District
 Greater Georgetown, Guyana

BUILDING SECTIONS

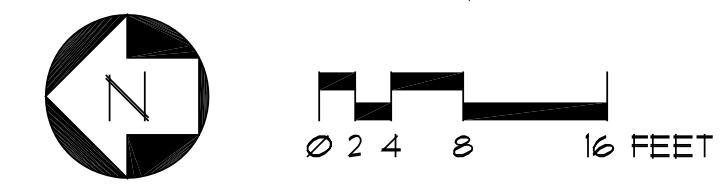
DATE: 5/22/2019	SHEET
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GENERAL NOTES:
 A. SEE SHEET A42 FOR ROOFING NOTES.

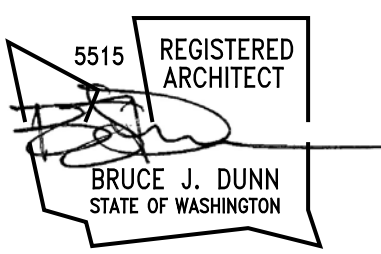
REFLECTED CEILING PLAN - WEST
 3/32"=1'-0"



SHEET A42

THESE DRAWINGS HAVE BEEN PRINTED IN FULL SIZE AND HALF SIZE. IF THE DRAWING YOU ARE LOOKING AT IS NOT 24" X 36", IT HAS BEEN REDUCED TO HALF SIZE. DO NOT REFER TO THE ARCHITECTURAL SCALE ON THE INDIVIDUAL DRAWING OR DETAIL. PLEASE USE APPROPRIATE GRAPHIC SCALE FOR ALL DIMENSIONS OF THE DRAWING.

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KEY INDEX

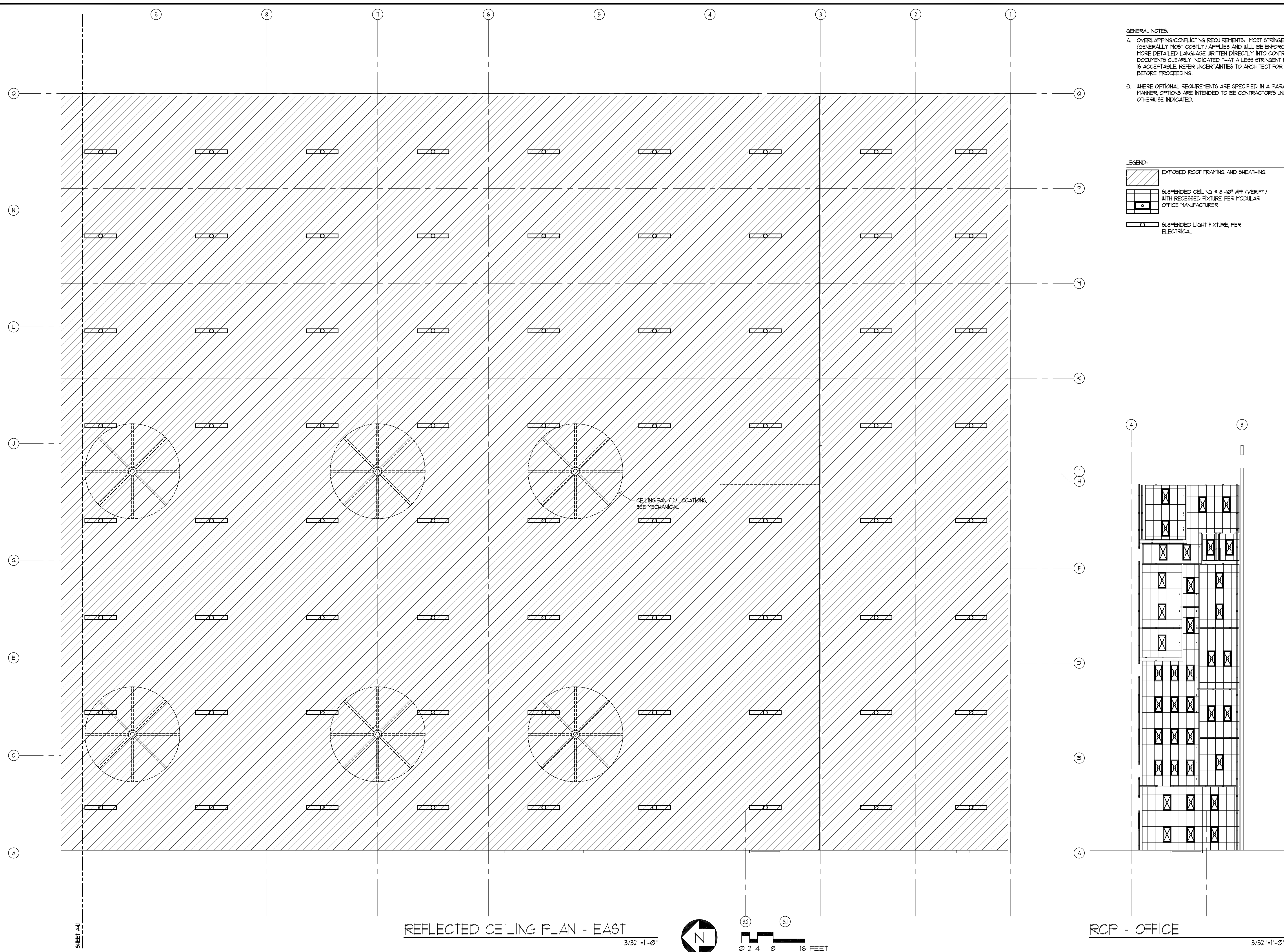
**SBM WAREHOUSE
 GEORGETOWN
 GUYANA**

*Plantation "A"
 Houston District
 Greater Georgetown, Guyana*

**REFLECTED
 CEILING PLAN
 WEST**

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CONTRACT	
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SHEET
A4.1



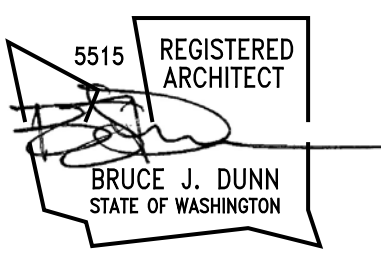
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 B. WHERE OPTIONAL REQUIREMENTS ARE SPECIFIED IN A PARALLEL MANNER, OPTIONS ARE INTENDED TO BE CONTRACTOR'S UNLESS OTHERWISE INDICATED.

LEGEND:

 EXPOSED ROOF FRAMING AND SHEATHING
 SUSPENDED CEILING @ 8'-10" AFF (VERIFY) WITH RECESSED FIXTURE PER MODULAR OFFICE MANUFACTURER
 SUSPENDED LIGHT FIXTURE, PER ELECTRICAL

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SBM WAREHOUSE
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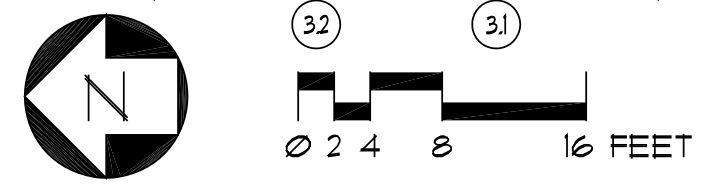
Plantation "A"
 Houston District
 Greater Georgetown, Guyana

REFLECTED
CEILING PLAN
EAST

DATE: 5/22/2019
 SCALE: AS SHOWN
 DRAWN: 06
 CHECK: BJD
 CONTRACT:
 COPYRIGHT: 2019

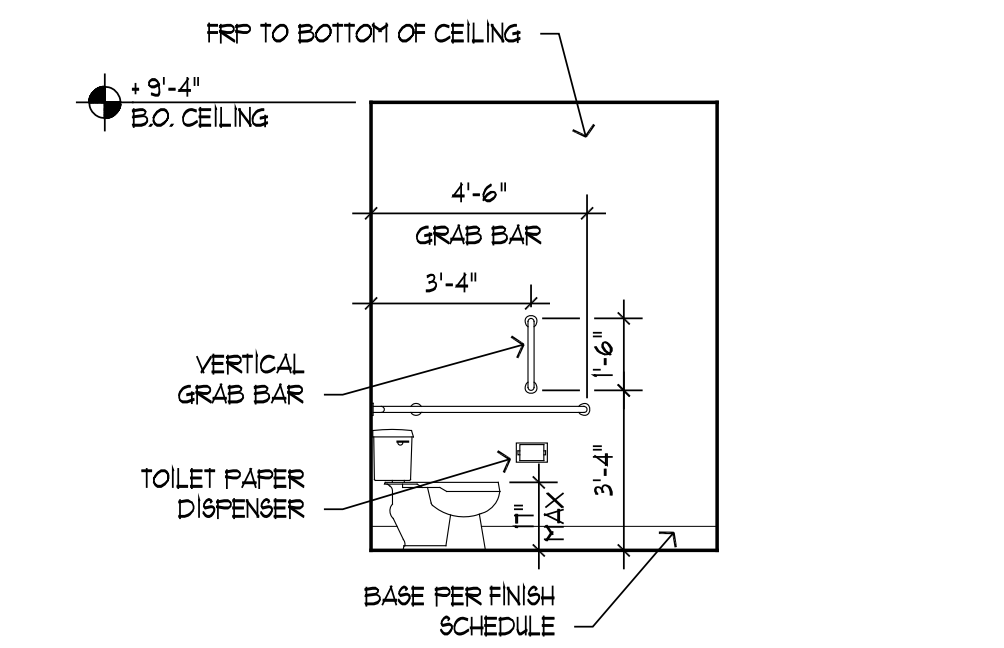
SHEET
A4.2

REFLECTED CEILING PLAN - EAST
 3/32"=1'-0"

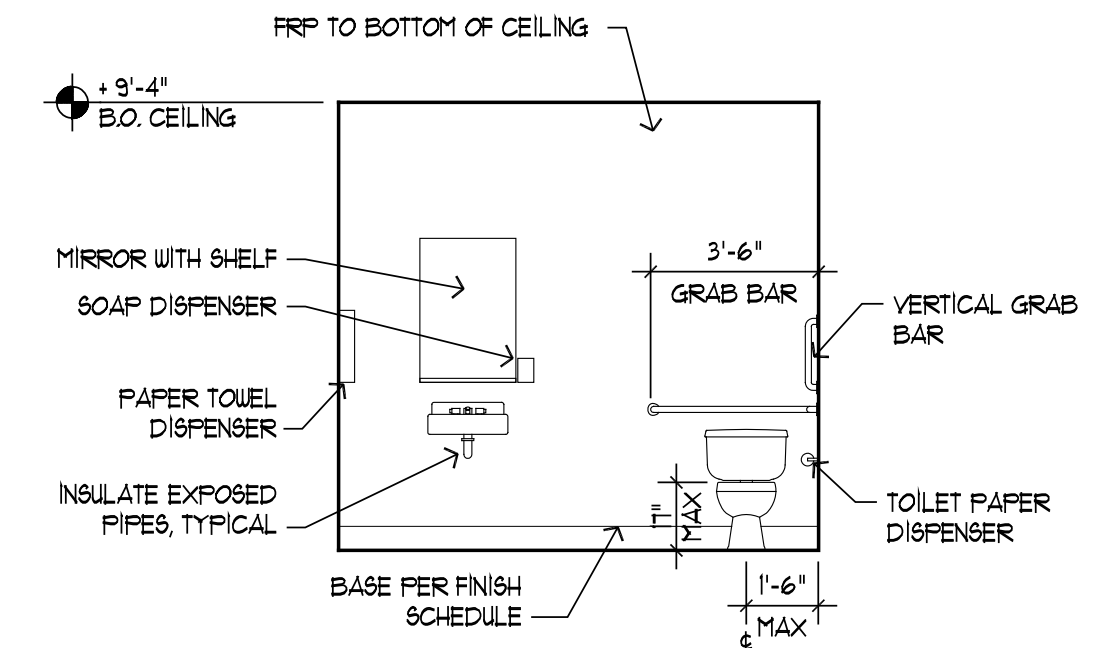


RCP - OFFICE
 3/32"=1'-0"

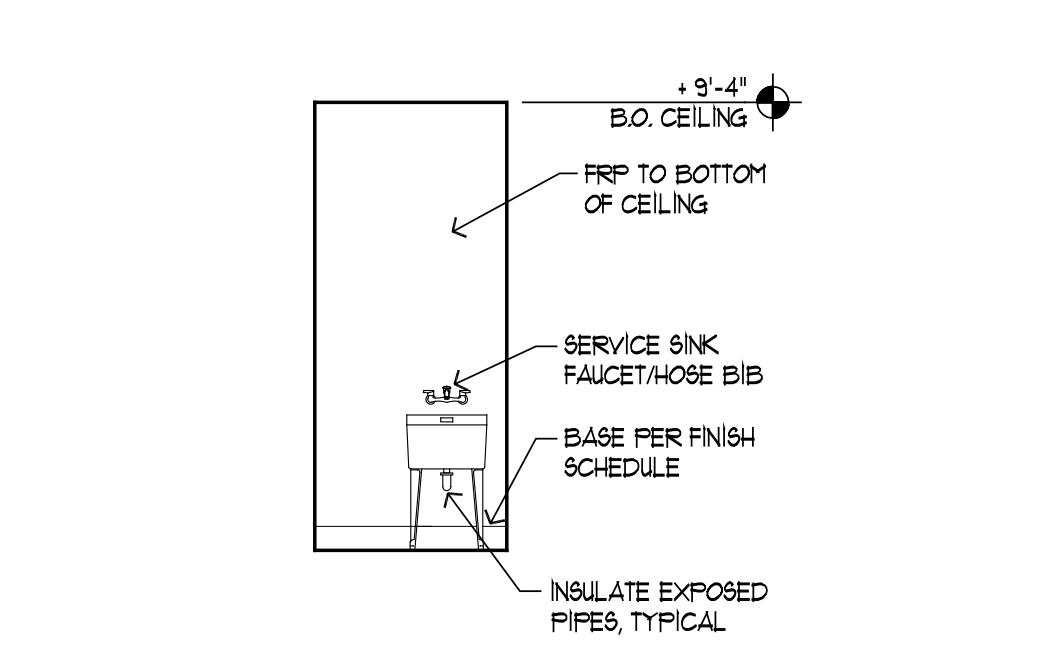
SHEET A4J



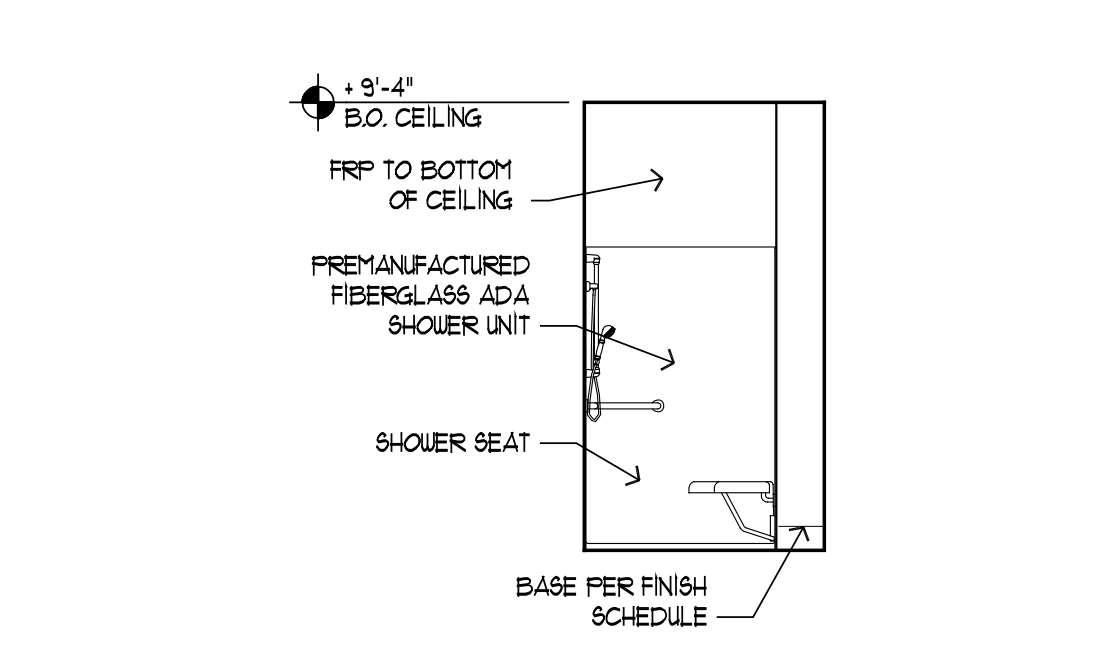
1A WEST ELEVATION
TOILET ROOM (307) 1/4" = 1'-0"



1B SOUTH ELEVATION
TOILET ROOM (307) 1/4" = 1'-0"

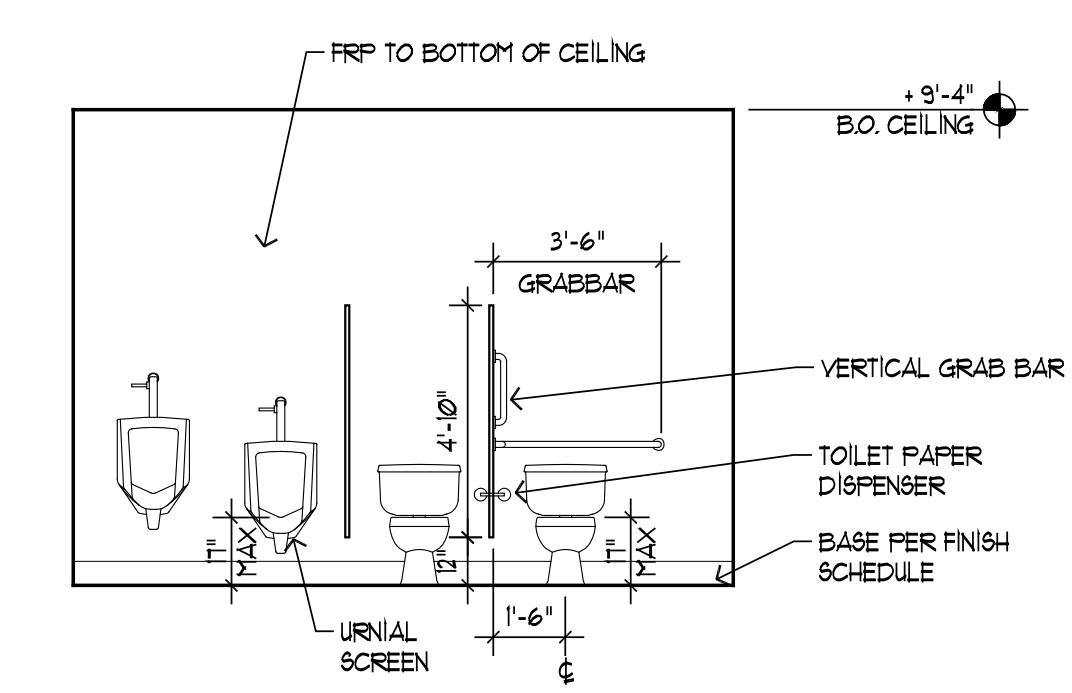


2A SOUTH ELEVATION
JANITOR (311) 1/4" = 1'-0"

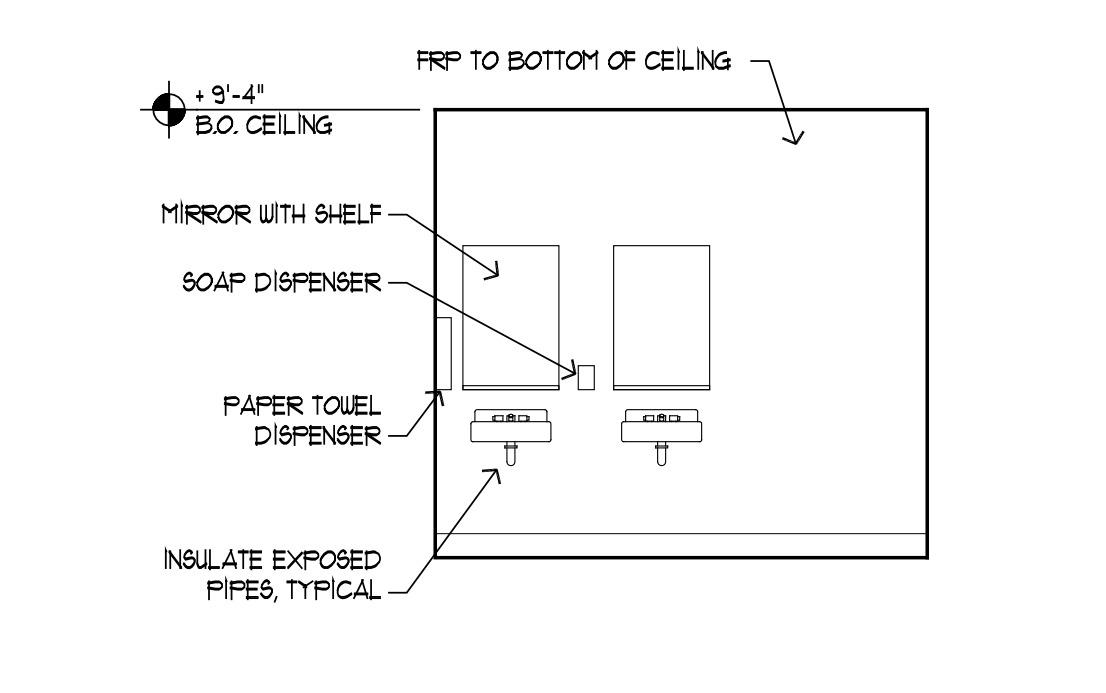


3A SOUTH ELEVATION
SHOWER (312) 1/4" = 1'-0"

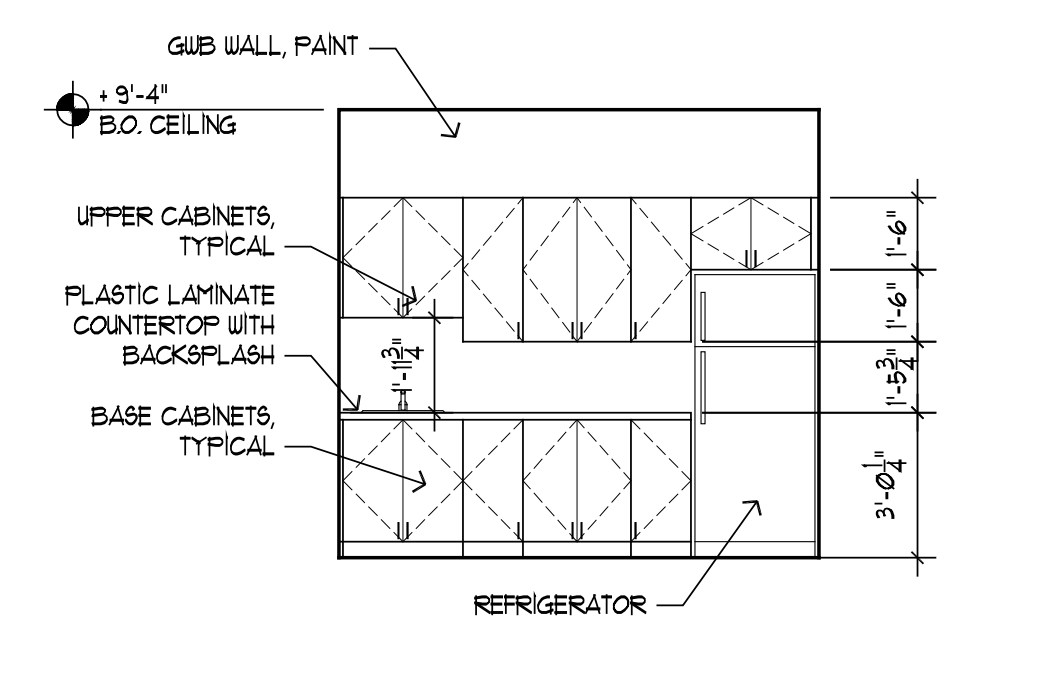
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 C. INSTALL ALL RESTROOM FIXTURES WITH HEIGHTS PER DETAIL A, THIS SHEET



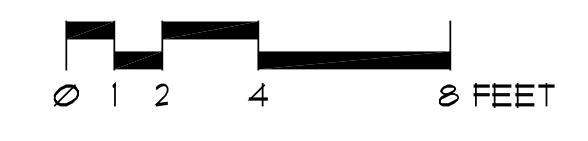
4A WEST ELEVATION
RESTROOM (314) 1/4" = 1'-0"



4B SOUTH ELEVATION
RESTROOM (314) 1/4" = 1'-0"

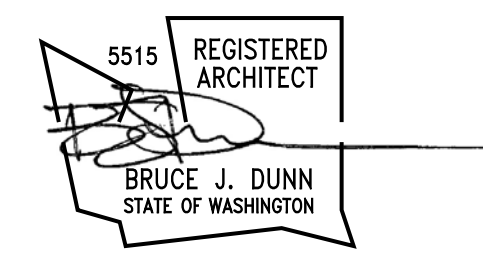


5A NORTH ELEVATION
KITCHEN (306) 1/4" = 1'-0"



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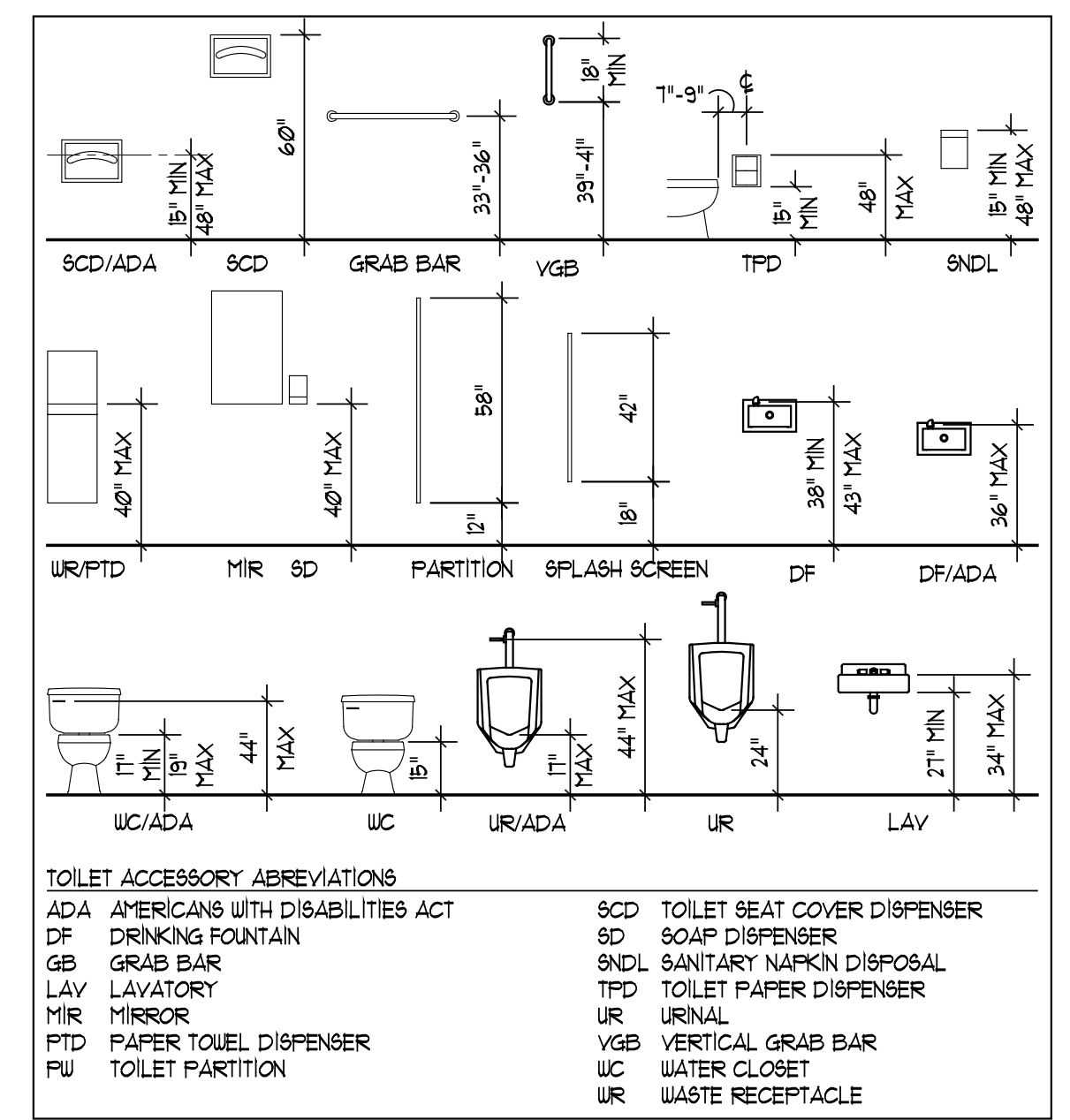
KEY INDEX

SBM WAREHOUSE
GEORGETOWN
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Plantation "A"
 Houston District
 Greater Georgetown, Guyana

INTERIOR
ELEVATIONS

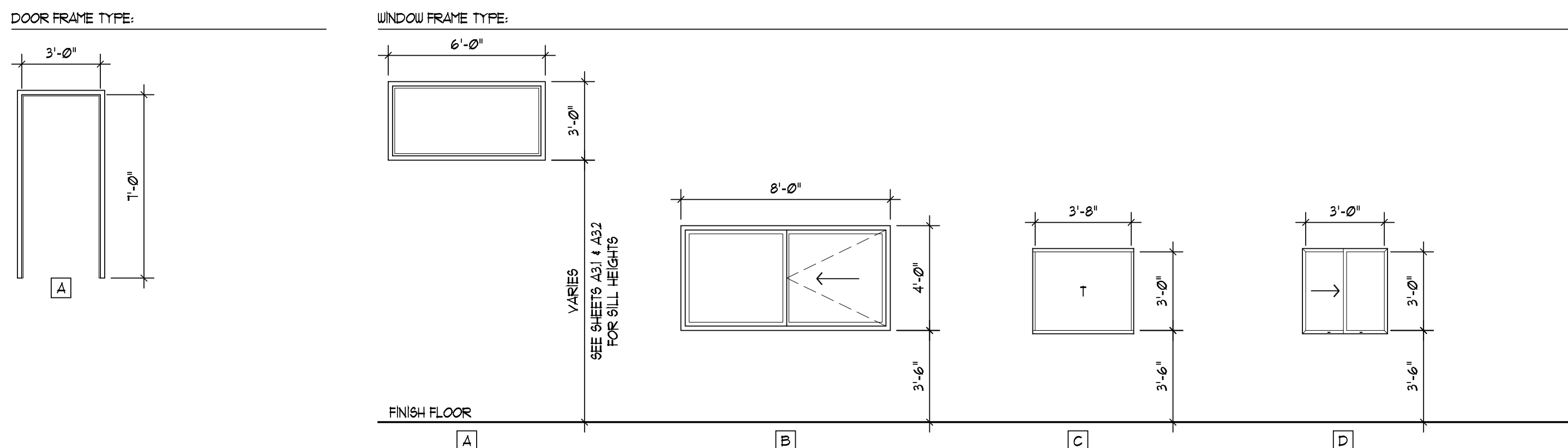
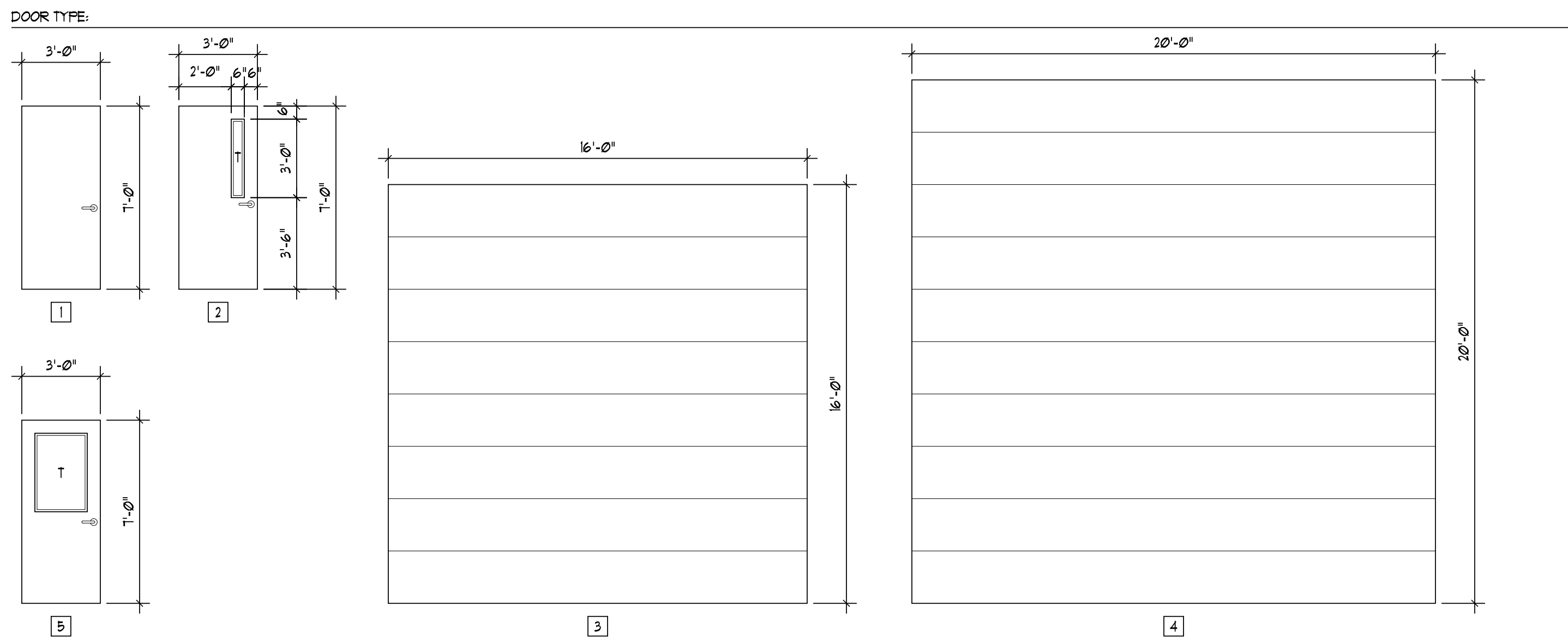
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SCALE: AS SHOWN	A5.1
DRAWN: 06	
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CONTRACT: 2019	



A FIXTURE MOUNTING HEIGHTS 1/4" = 1'-0"

DOOR SCHEDULE													
DOOR	DOOR				WALL			FRAME			HDL GROUP	COMMENTS / REMARKS	
	SIZE	THK	MAT	TYPE	FIRE RATING	GLAZING	TYPE	MAT	WALL THK	DETAIL			TYPE
101	3' 0" x 7' 0"	3/4"	HM	2	-	SAFETY	-	HM	9-3/8"	19' 4 20' / A12	A	SEE SPECS	THRESHOLD PER DETAIL 24/A12, DOOR U-FACTOR = 0.400, FRAME U-FACTOR = 0.320
102	16' 0" x 16' 0"	2"	STL	3	-	-	-	STL	8"	21.22' 4 23' / A12	-	SEE SPECS	COILING DOOR, U-FACTOR = 0.060
103	3' 0" x 7' 0"	3/4"	HM	2	-	SAFETY	-	HM	9-3/8"	19' 4 20' / A12	A	SEE SPECS	THRESHOLD PER DETAIL 24/A12, DOOR U-FACTOR = 0.400, FRAME U-FACTOR = 0.320
201	3' 0" x 7' 0"	3/4"	HM	2	-	SAFETY	-	HM	9-3/8"	19' 4 20' / A12	A	SEE SPECS	THRESHOLD PER DETAIL 24/A12, DOOR U-FACTOR = 0.400, FRAME U-FACTOR = 0.320
202	20' 0" x 20' 0"	2"	STL	4	-	-	-	STL	8"	21.22' 4 23' / A12	-	SEE SPECS	COILING DOOR, U-FACTOR = 0.060
203	3' 0" x 7' 0"	3/4"	HM	2	-	SAFETY	-	HM	9-3/8"	19' 4 20' / A12	A	SEE SPECS	THRESHOLD PER DETAIL 24/A12, DOOR U-FACTOR = 0.400, FRAME U-FACTOR = 0.320
204	20' 0" x 20' 0"	2"	STL	4	-	-	-	STL	8"	21.22' 4 23' / A12	-	SEE SPECS	COILING DOOR, U-FACTOR = 0.060
205	3' 0" x 7' 0"	3/4"	HM	2	-	SAFETY	-	HM	10-1/8"	19' 4 20' / A12	A	SEE SPECS	THRESHOLD PER DETAIL 24/A12, DOOR U-FACTOR = 0.400, FRAME U-FACTOR = 0.320
206	20' 0" x 20' 0"	2"	STL	4	-	-	-	STL	8"	21.22' 4 23' / A12	-	SEE SPECS	COILING DOOR, U-FACTOR = 0.060
207	3' 0" x 7' 0"	3/4"	HM	2	-	SAFETY	-	HM	10-1/8"	19' 4 20' / A12	A	SEE SPECS	THRESHOLD PER DETAIL 24/A12, DOOR U-FACTOR = 0.400, FRAME U-FACTOR = 0.320
208	20' 0" x 20' 0"	2"	STL	4	-	-	-	STL	8"	21.22' 4 23' / A12	-	SEE SPECS	COILING DOOR, U-FACTOR = 0.060
209	3' 0" x 7' 0"	3/4"	HM	2	-	SAFETY	-	HM	9-3/8"	19' 4 20' / A12	A	SEE SPECS	THRESHOLD PER DETAIL 24/A12, DOOR U-FACTOR = 0.400, FRAME U-FACTOR = 0.320
301A	3' 0" x 7' 0"	-	-	5	-	SAFETY	-	-	-	-	-	SEE SPECS	BY MODULAR OFFICE MANUFACTURER
301B	3' 0" x 7' 0"	-	-	5	-	SAFETY	-	-	-	-	-	SEE SPECS	BY MODULAR OFFICE MANUFACTURER
302A	3' 0" x 7' 0"	-	-	5	-	SAFETY	-	-	-	-	-	SEE SPECS	BY MODULAR OFFICE MANUFACTURER
302B	3' 0" x 7' 0"	-	-	2	-	SAFETY	-	-	-	-	-	SEE SPECS	BY MODULAR OFFICE MANUFACTURER
303	3' 0" x 7' 0"	-	-	2	-	SAFETY	-	-	-	-	-	SEE SPECS	BY MODULAR OFFICE MANUFACTURER
304	3' 0" x 7' 0"	-	-	2	-	SAFETY	-	-	-	-	-	SEE SPECS	BY MODULAR OFFICE MANUFACTURER
305	3' 0" x 7' 0"	-	-	2	-	SAFETY	-	-	-	-	-	SEE SPECS	BY MODULAR OFFICE MANUFACTURER
306	3' 0" x 7' 0"	-	-	2	-	SAFETY	-	-	-	-	-	SEE SPECS	BY MODULAR OFFICE MANUFACTURER
307	3' 0" x 7' 0"	-	-	1	-	-	-	-	-	-	-	SEE SPECS	BY MODULAR OFFICE MANUFACTURER
308	3' 0" x 7' 0"	-	-	2	-	SAFETY	-	-	-	-	-	SEE SPECS	BY MODULAR OFFICE MANUFACTURER
309	3' 0" x 7' 0"	-	-	1	-	-	-	-	-	-	-	SEE SPECS	BY MODULAR OFFICE MANUFACTURER
310	3' 0" x 7' 0"	-	-	5	-	SAFETY	-	-	-	-	-	SEE SPECS	BY MODULAR OFFICE MANUFACTURER
311	3' 0" x 7' 0"	-	-	1	-	-	-	-	-	-	-	SEE SPECS	BY MODULAR OFFICE MANUFACTURER
312	3' 0" x 7' 0"	-	-	1	-	-	-	-	-	-	-	SEE SPECS	BY MODULAR OFFICE MANUFACTURER

WINDOW SCHEDULE									
MARK	WINDOW SIZE (RO/MO)			WINDOW			GLAZING		COMMENTS / REMARKS
	WIDTH	HEIGHT	OPERATION	MAT	DETAIL	GLASS	THICK		
A	6'-0"	3'-0"	PICTURE	VNTL	16' 11 4 18' / A12	INSUL	1"	U-FACTOR = 0.30	
B	8'-0"	4'-0"	SLIDER	VNTL	26, 21 4 28' / A12	INSUL	1"	U-FACTOR = 0.30	
C	3'-0"	3'-0"	FIXED	-	-	PLATE	1/4"	BY MODULAR OFFICE MANUFACTURER, TEMPERED	
D	3'-0"	3'-0"	SLIDER	-	-	INSUL	1/4"	BY MODULAR OFFICE MANUFACTURER, TEMPERED AND INSULATED	



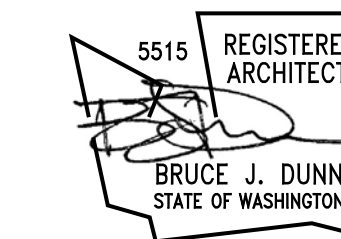
FINISH SCHEDULE																	
ROOM	FLOOR	BASE		NORTH		SOUTH		EAST		WEST		CEILING		HEIGHT	SOUND INSULATION	COMMENTS / REMARKS	
		MAT	FIN	MAT	FIN	MAT	FIN	MAT	FIN	MAT	FIN	MAT	FIN				
100 STORAGE	C1	S1	PW	-	PW	P1	PW	P1	PW	P1	PW	P1	ST	-	VARIES		
200 WAREHOUSE	C1	S1	PW	-	PW	P1	PW	P1	PW	P1	PW	P1	ST	-	VARIES		
301 OFFICE	C2	S2	G2	B2	G2	P2	G2	P2	G2	P2	G2	P2	ST	ACT	8'-10"	BY MODULAR OFFICE MANUFACTURER	
302 OFFICE	C2	S2	G1/G2	B1/B2	G2	P2	G1	P1	G2	P2	G2	P2	ST	ACT	8'-10"	BY MODULAR OFFICE MANUFACTURER	
303 OFFICE	C2	S2	G2	B2	G2	P2	G2	P2	G2	P2	G2	P2	ST	ACT	8'-10"	BY MODULAR OFFICE MANUFACTURER	
304 OFFICE	C2	S2	G2	B2	G2	P2	G2	P2	G2	P2	G2	P2	ST	ACT	8'-10"	BY MODULAR OFFICE MANUFACTURER	
305 IT	C2	S2	G2	B2	G2	P2	G2	P2	G2	P2	G2	P2	ST	ACT	8'-10"	BY MODULAR OFFICE MANUFACTURER	
306 BREAK ROOM	C2	S2	G2	B2	G2	P2	G2	P2	G2	P2	G2	P2	ST	ACT	8'-10"	BY MODULAR OFFICE MANUFACTURER	
307 TOILET ROOM	C2	S2	FRP	B2	FRP	-	FRP	-	FRP	-	FRP	-	ST	ACT	8'-10"	BY MODULAR OFFICE MANUFACTURER	
308 ARCHIVE STORAGE	C2	S2	G2	B2	G2	P2	G2	P2	G2	P2	G2	P2	ST	ACT	8'-10"	BY MODULAR OFFICE MANUFACTURER	
309 CLOSET	C2	S2	G2	B2	G2	P2	G2	P2	G2	P2	G2	P2	ST	ACT	8'-10"	BY MODULAR OFFICE MANUFACTURER	
310 HALLWAY	C2	S2	FRP	B2	FRP	-	FRP	-	FRP	-	FRP	-	ST	ACT	8'-10"	BY MODULAR OFFICE MANUFACTURER	
311 JANITOR	C2	S2	FRP	B2	FRP	-	FRP	-	FRP	-	FRP	-	ST	ACT	8'-10"	BY MODULAR OFFICE MANUFACTURER	
312 SHOWER	C2	S2	FRP	B2	FRP	-	FRP	-	FRP	-	FRP	-	ST	ACT	8'-10"	BY MODULAR OFFICE MANUFACTURER	
313 LOCKER	C2	S2	FRP	B2	FRP	-	FRP	-	FRP	-	FRP	-	ST	ACT	8'-10"	BY MODULAR OFFICE MANUFACTURER	
314 RESTROOM	C2	S2	FRP	B2	FRP	-	FRP	-	FRP	-	FRP	-	ST	ACT	8'-10"	BY MODULAR OFFICE MANUFACTURER	

MATERIALS		FINISHES	
CODE	DESCRIPTION	CODE	DESCRIPTION
C1	CONCRETE	ACT	ACOUSTIC CEILING TILE BY MODULAR OFFICE MANUFACTURER
C2	FLOORING BY MODULAR OFFICE MANUFACTURER	B1	RUBBER BASE MATCH MODULAR BUILDING
FRP	FIBER REINFORCED PLASTIC BY MODULAR OFFICE MANUFACTURER	B2	RUBBER BASE BY MODULAR OFFICE MANUFACTURER
G1	5/8" GIB OVER 1/8" HAT CHANNEL @ 16" OC	P1	PAINT - SATIN FINISH
G2	GYPSUM WALLBOARD (GWB) BY MODULAR OFFICE MANUFACTURER	P2	PAINT BY MODULAR OFFICE MANUFACTURER
PW	1/2" PLYWOOD SHEATHING TO 8'-0" AFF - EXPOSED STRUCTURE OR INSULATION ABOVE	S1	CONCRETE SEALER
ST	STRUCTURE	S2	FLOOR FINISH BY MODULAR OFFICE MANUFACTURER

- GENERAL NOTES:
- OVERLAPPING/CONFLICTING REQUIREMENTS: MOST STRINGENT (GENERALLY MOST COSTLY) APPLIES AND WILL BE ENFORCED, UNLESS MORE DETAILED LANGUAGE WRITTEN DIRECTLY INTO CONTRACT DOCUMENTS CLEARLY INDICATED THAT A LESS STRINGENT REQUIREMENT IS ACCEPTABLE. REFER UNCERTAINTIES TO ARCHITECT FOR DECISION BEFORE PROCEEDING.
 - WHERE OPTIONAL REQUIREMENTS ARE SPECIFIED IN A PARALLEL MANNER, OPTIONS ARE INTENDED TO BE CONTRACTOR'S UNLESS OTHERWISE INDICATED.
 - CONTRACTOR TO VERIFY ALL ROUGH OPENINGS PRIOR TO CONSTRUCTION, FABRICATION OR INSTALLATION OF FRAMES AND DOORS.
 - DETAILS REFERENCE TYPICAL INSTALLATION. CONTRACTOR TO FIELD VERIFY.
 - ALL EXTERIOR AND FIRE-RATED HOLLOW METAL FRAMES SHALL BE FULLY GROUTED.
 - EXIT DOORS SHALL SWING IN THE DIRECTION OF TRAVEL.
 - REQUIRED EXIT DOORS SHALL HAVE AN ILLUMINATED EXIT SIGN LOCATED PER IBC SECTION 1011.
 - EXIT DOORS SHALL REQUIRE AN OPENING FORCE IN ACCORDANCE WITH IBC SECTION 1008.12.
 - SEE PROJECT MANUAL SPECIFICATIONS SECTION FOR DOOR HARDWARE SCHEDULE AND REQUIREMENTS.

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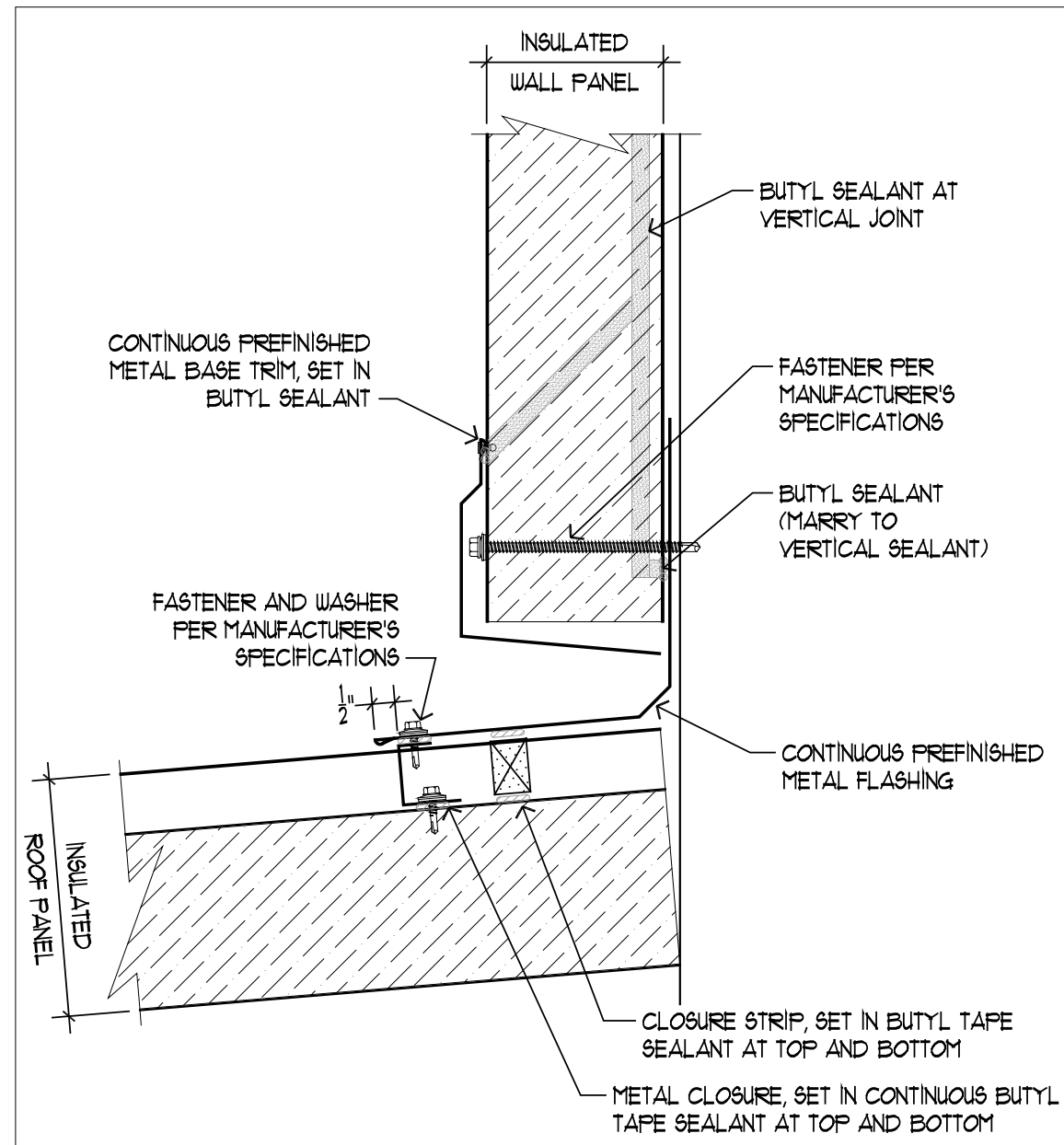
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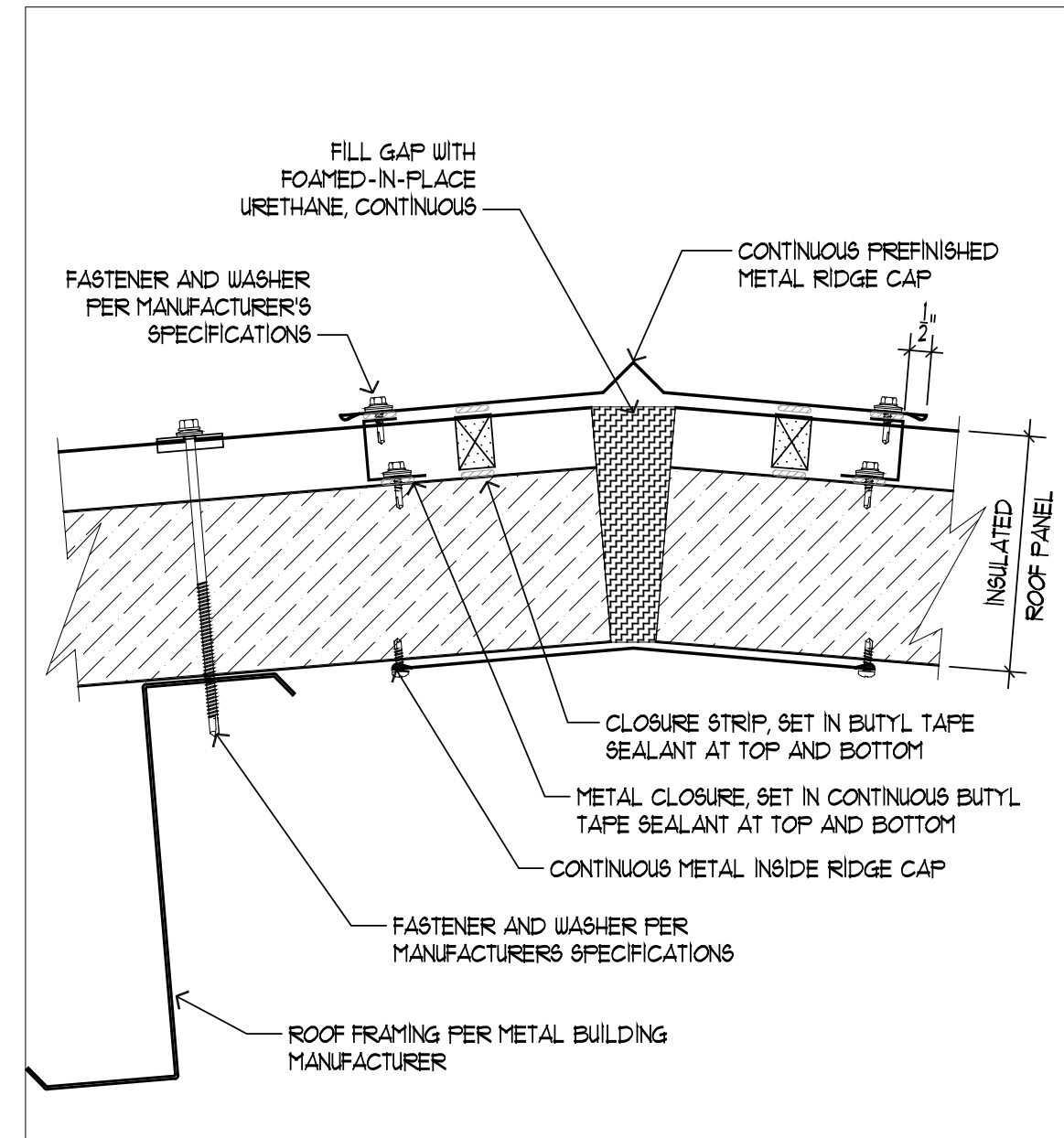
DOOR, WINDOW
AND FINISH
SCHEDULES

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DRAWN	GS		
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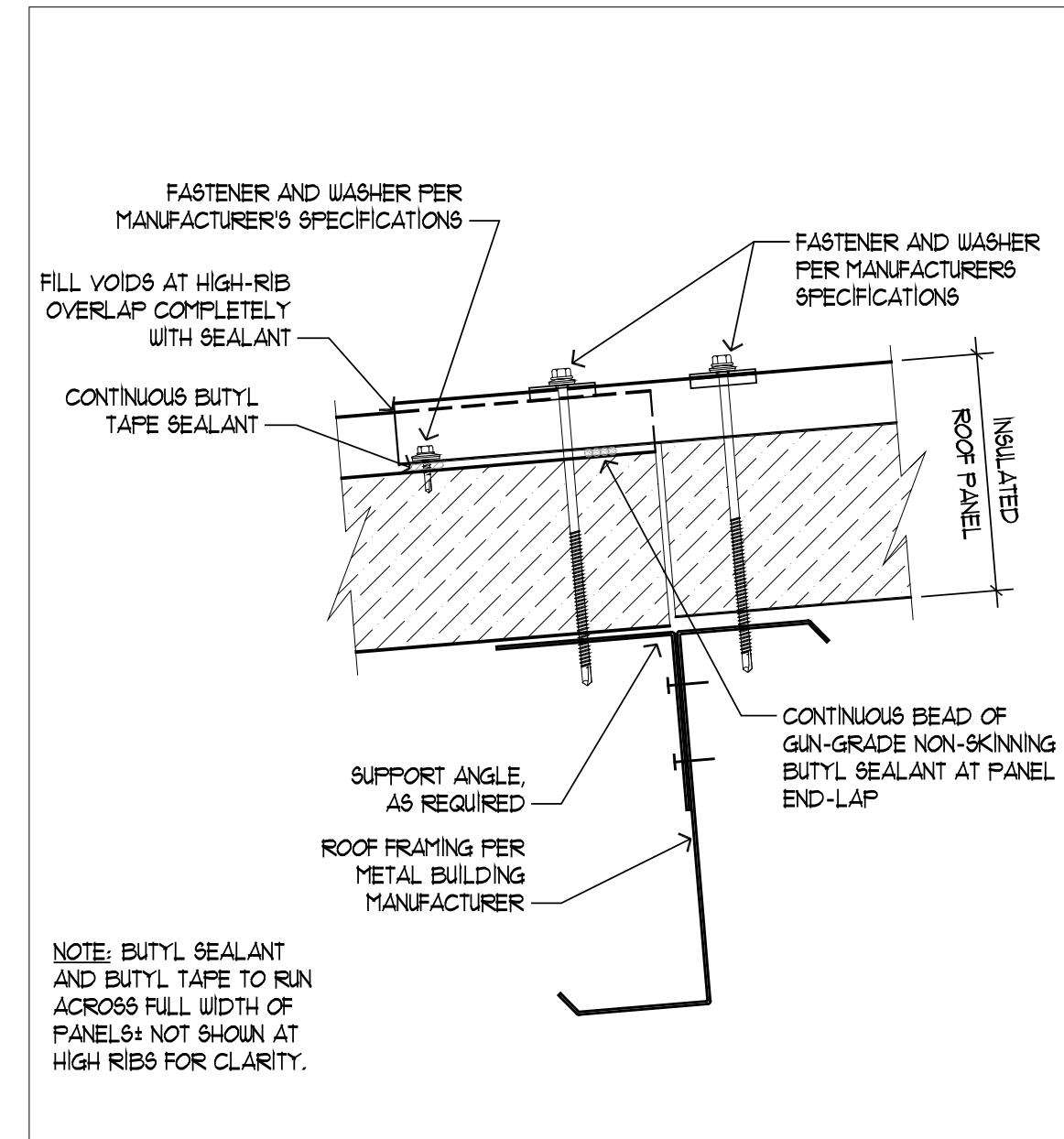
A6.1



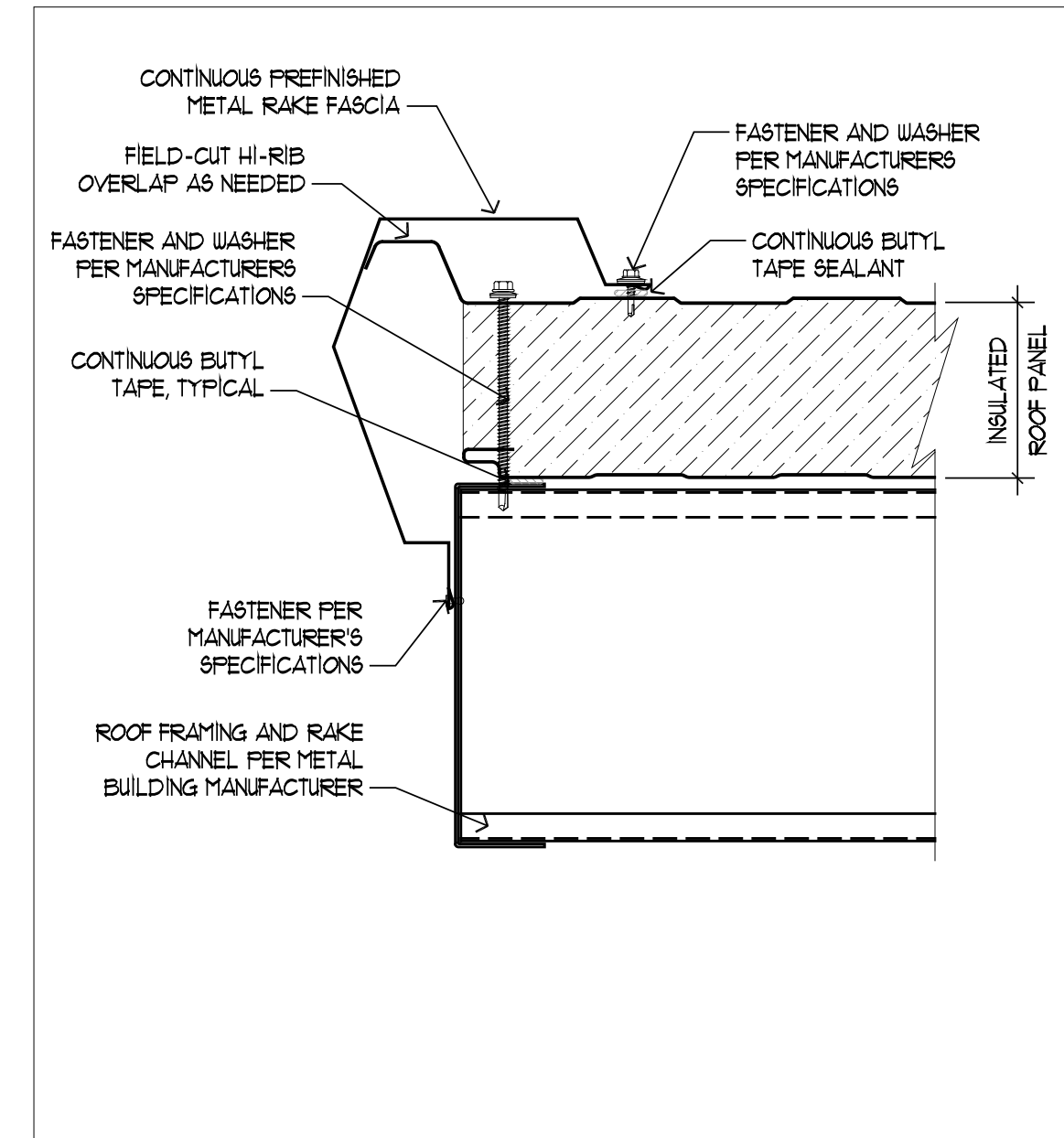
5 WALL TO ROOF TRANSITION
A23 AT1 3"=1'-0"



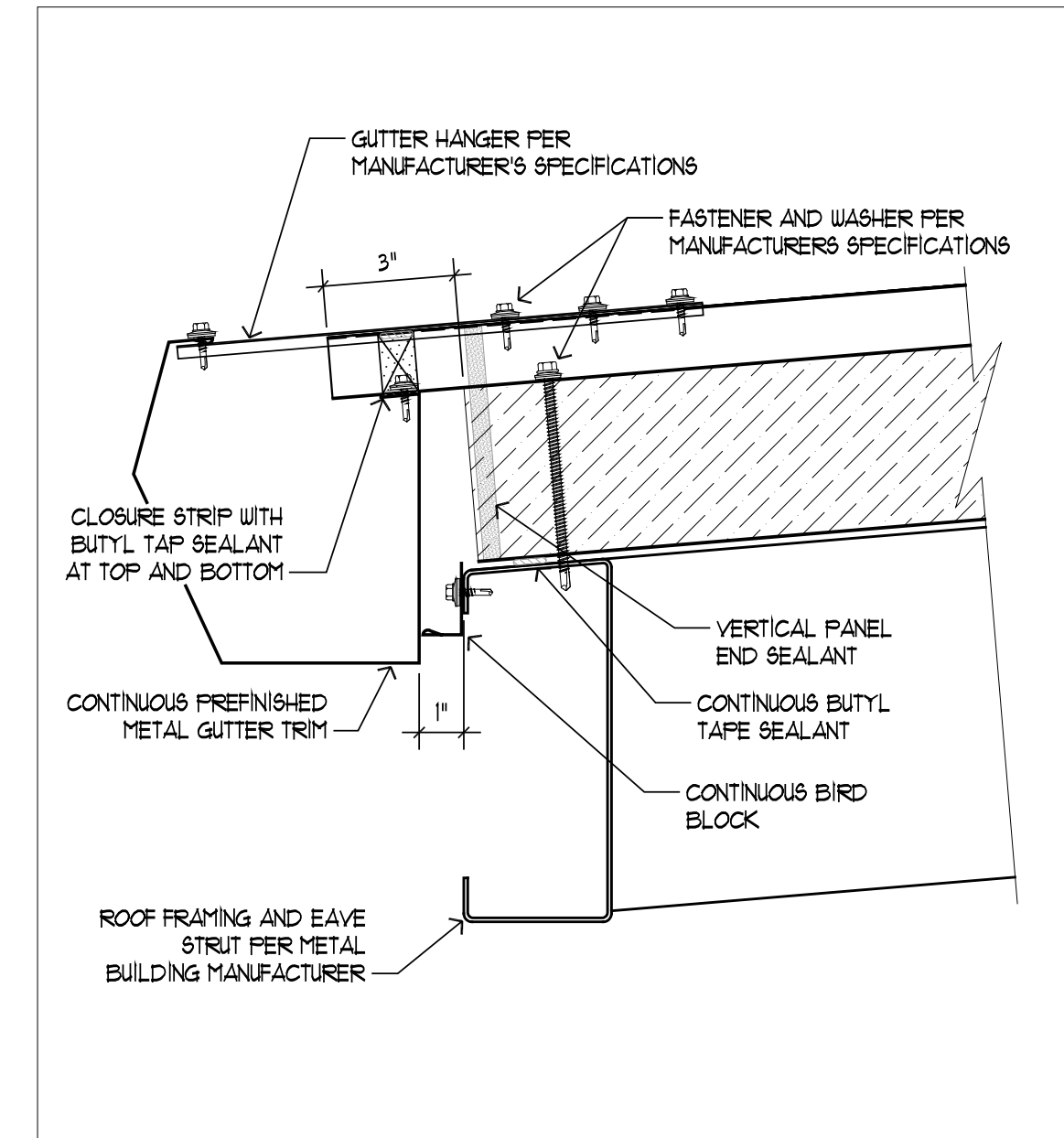
4 ROOF RIDGE
A23 AT1 3"=1'-0"



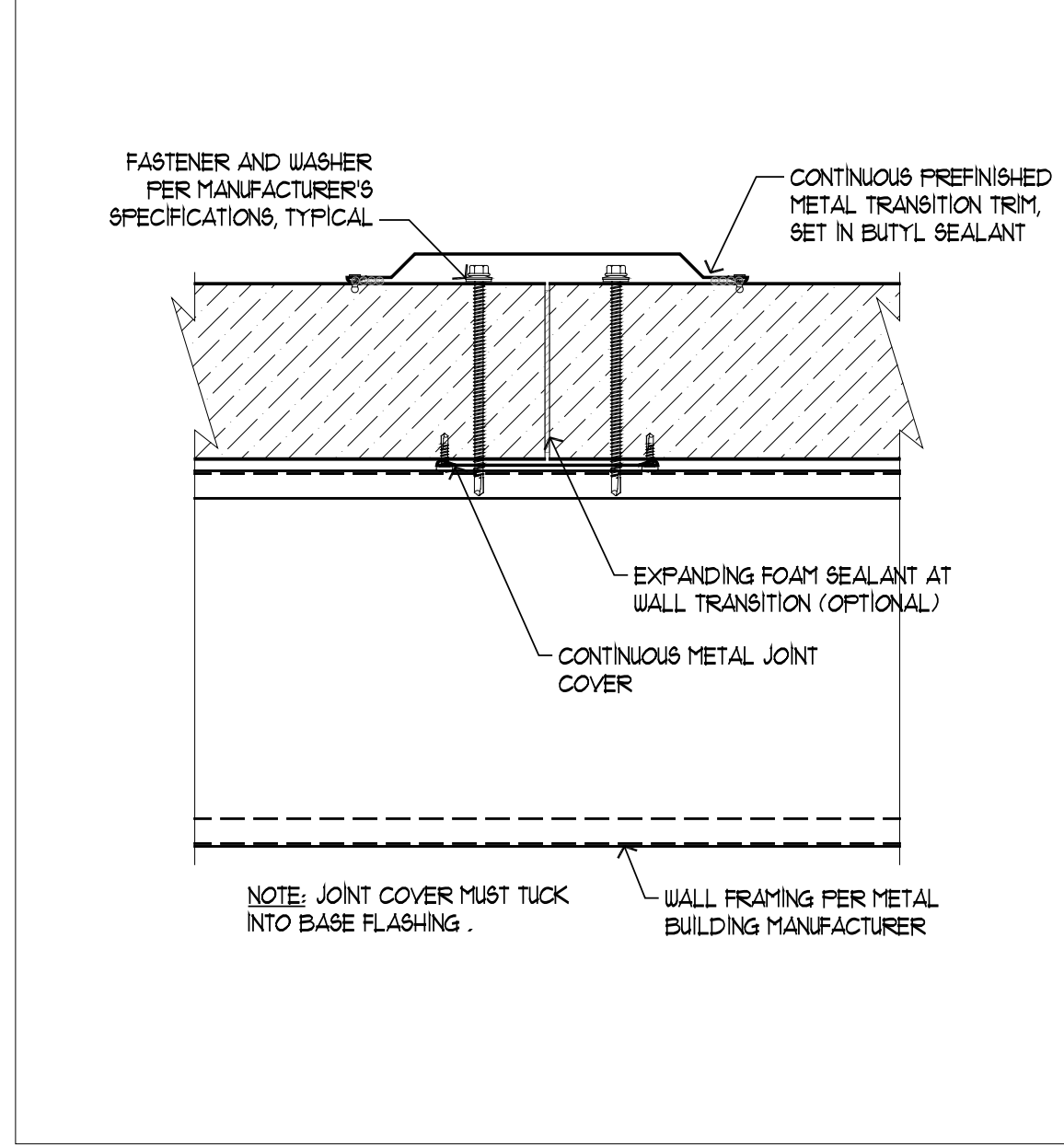
3 ROOF PANEL HORIZONTAL LAP
A23 AT1 3"=1'-0"



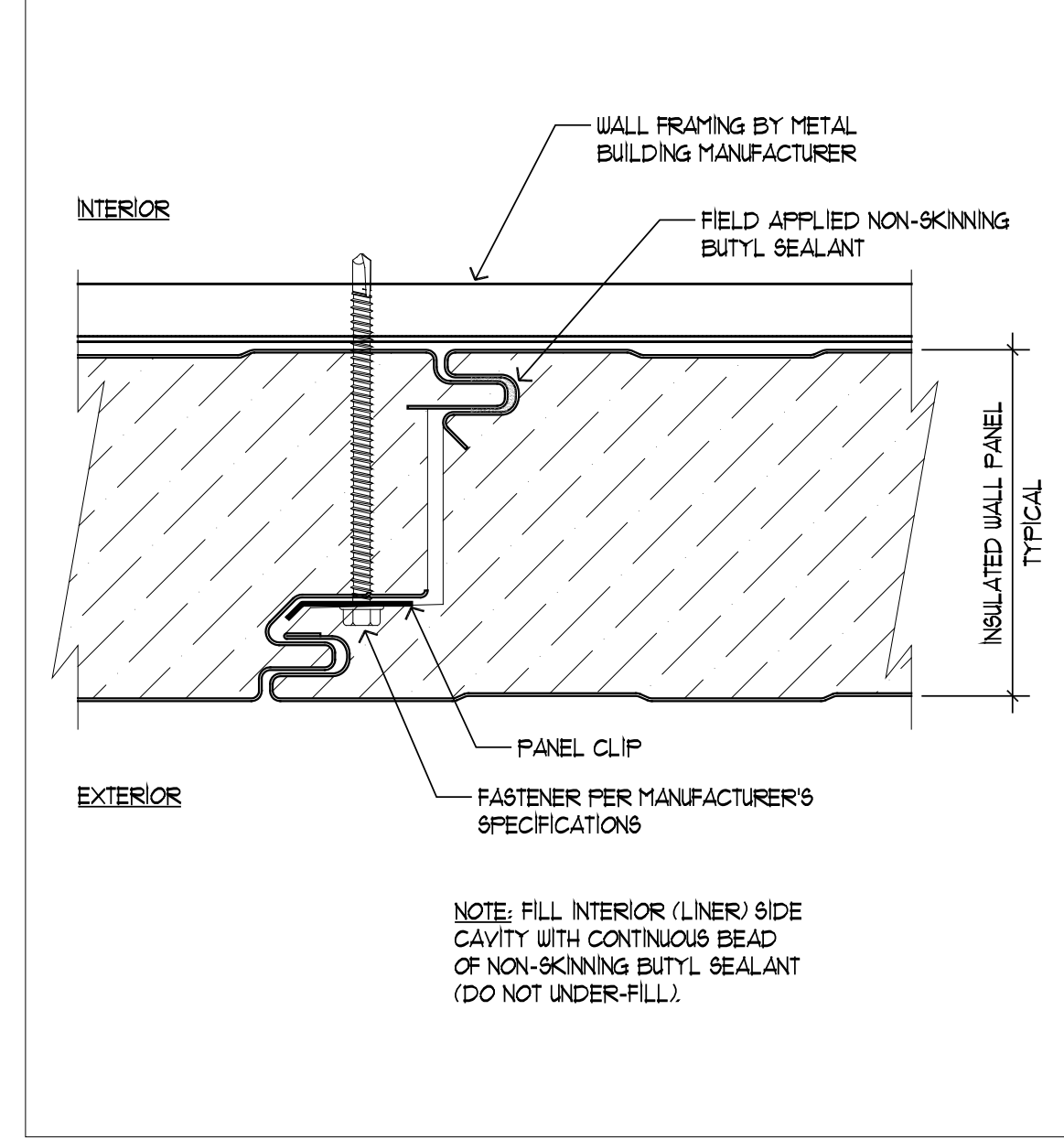
2 ROOF RAKE
A23 AT1 3"=1'-0"



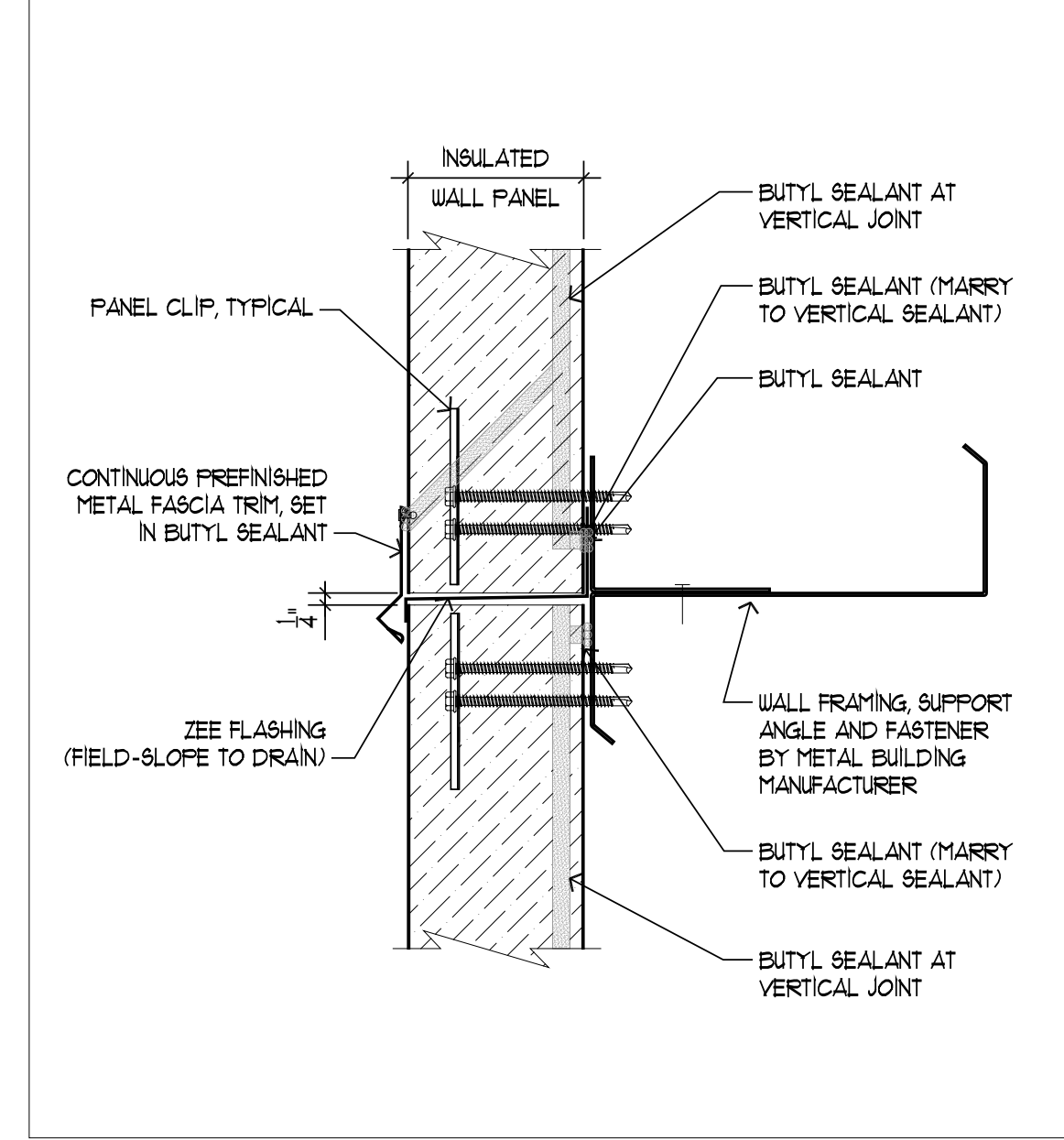
1 ROOF EAVE
A23 AT1 3"=1'-0"



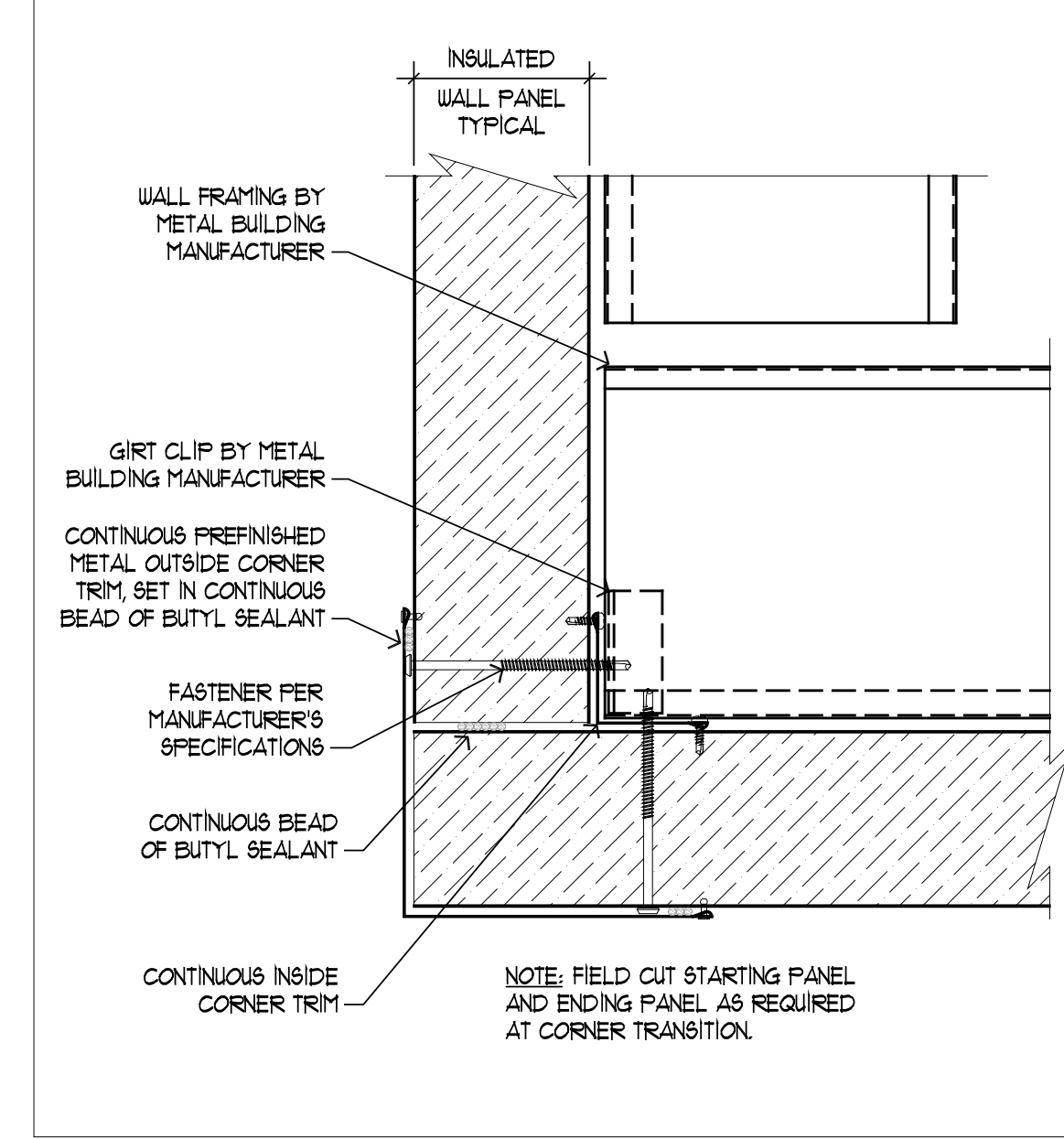
10 VERTICAL LAP AT CUT PANELS
A22 AT1 3"=1'-0"



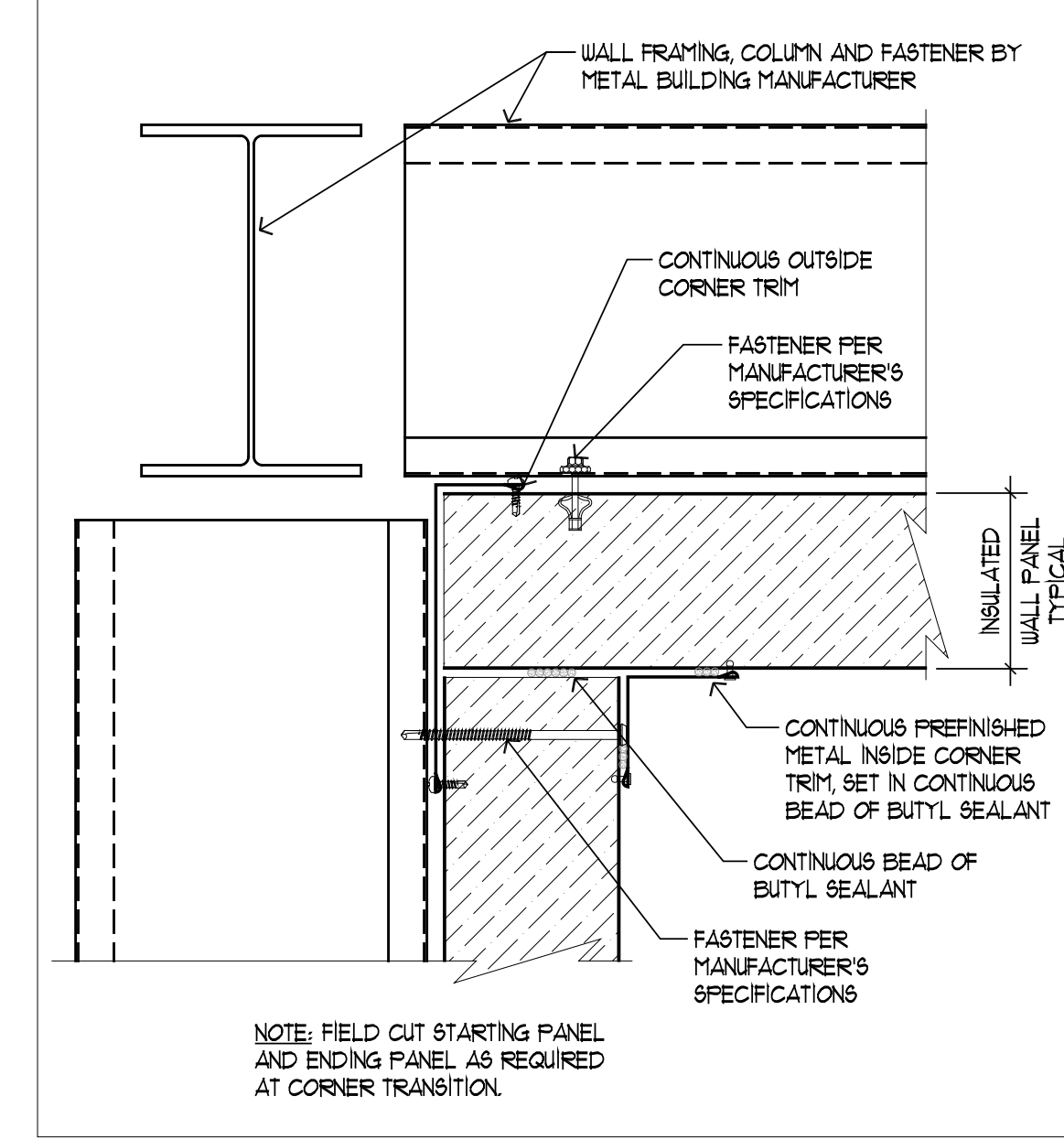
9 WALL VERTICAL LAP
A22 AT1 3"=1'-0"



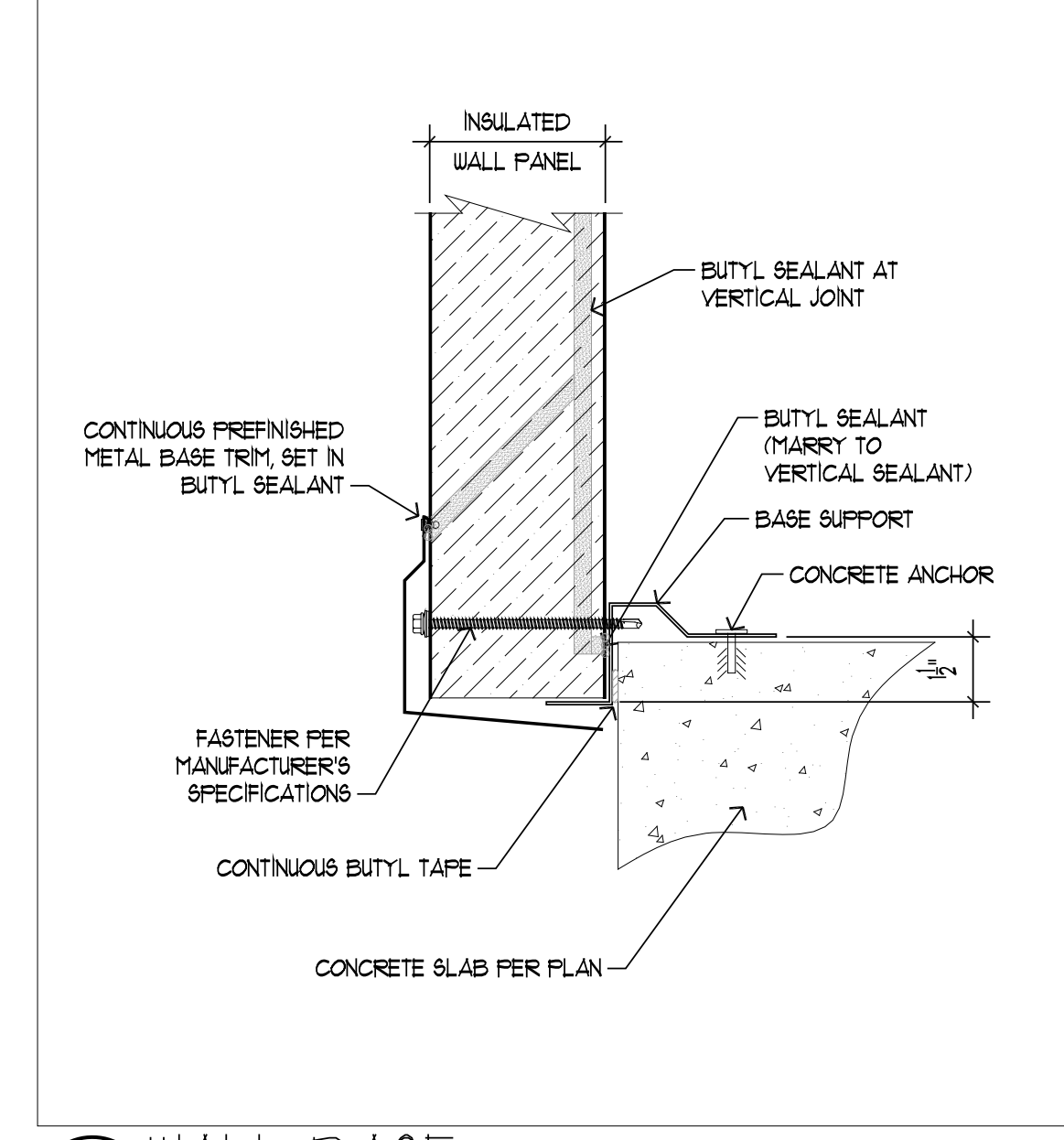
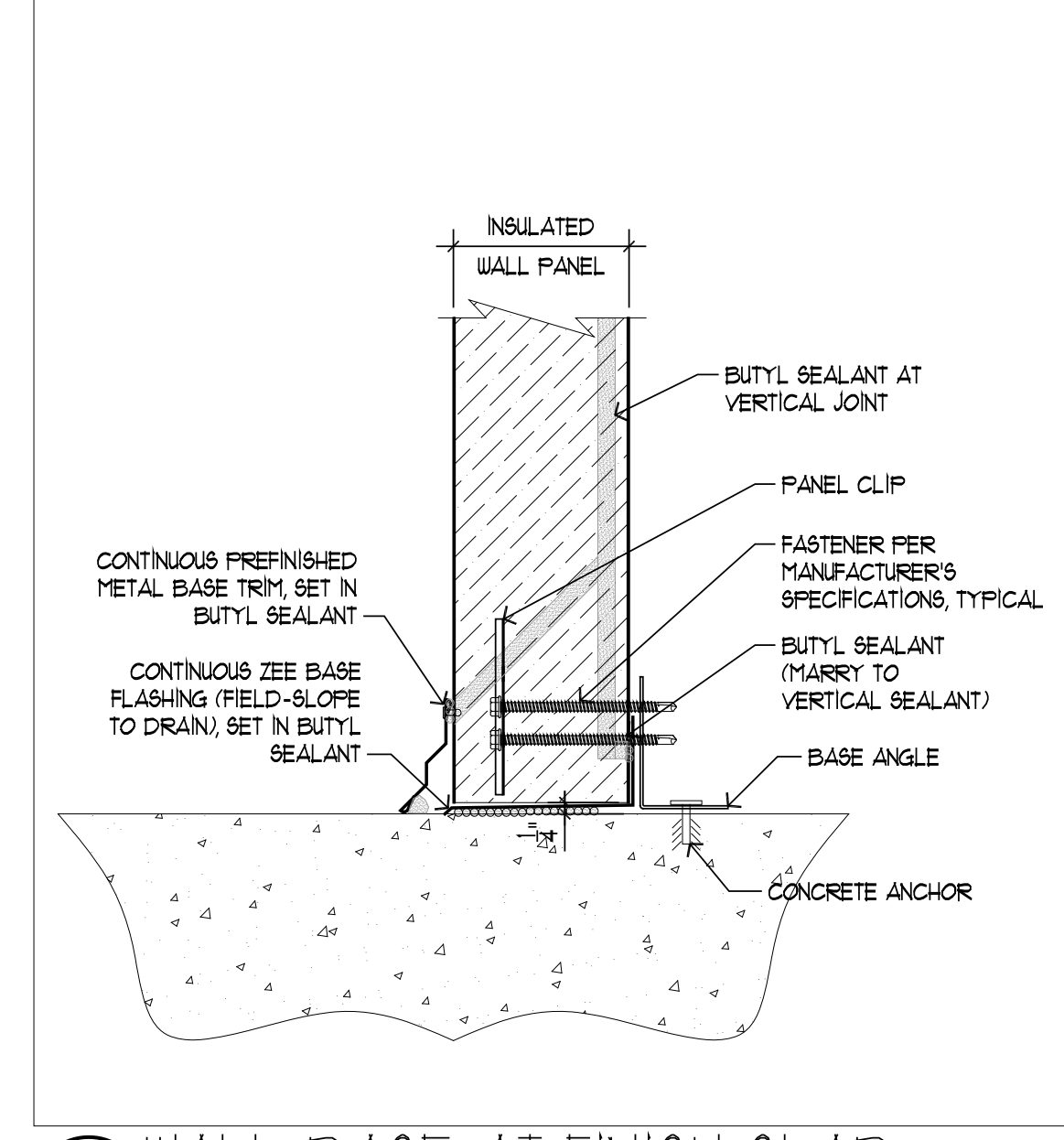
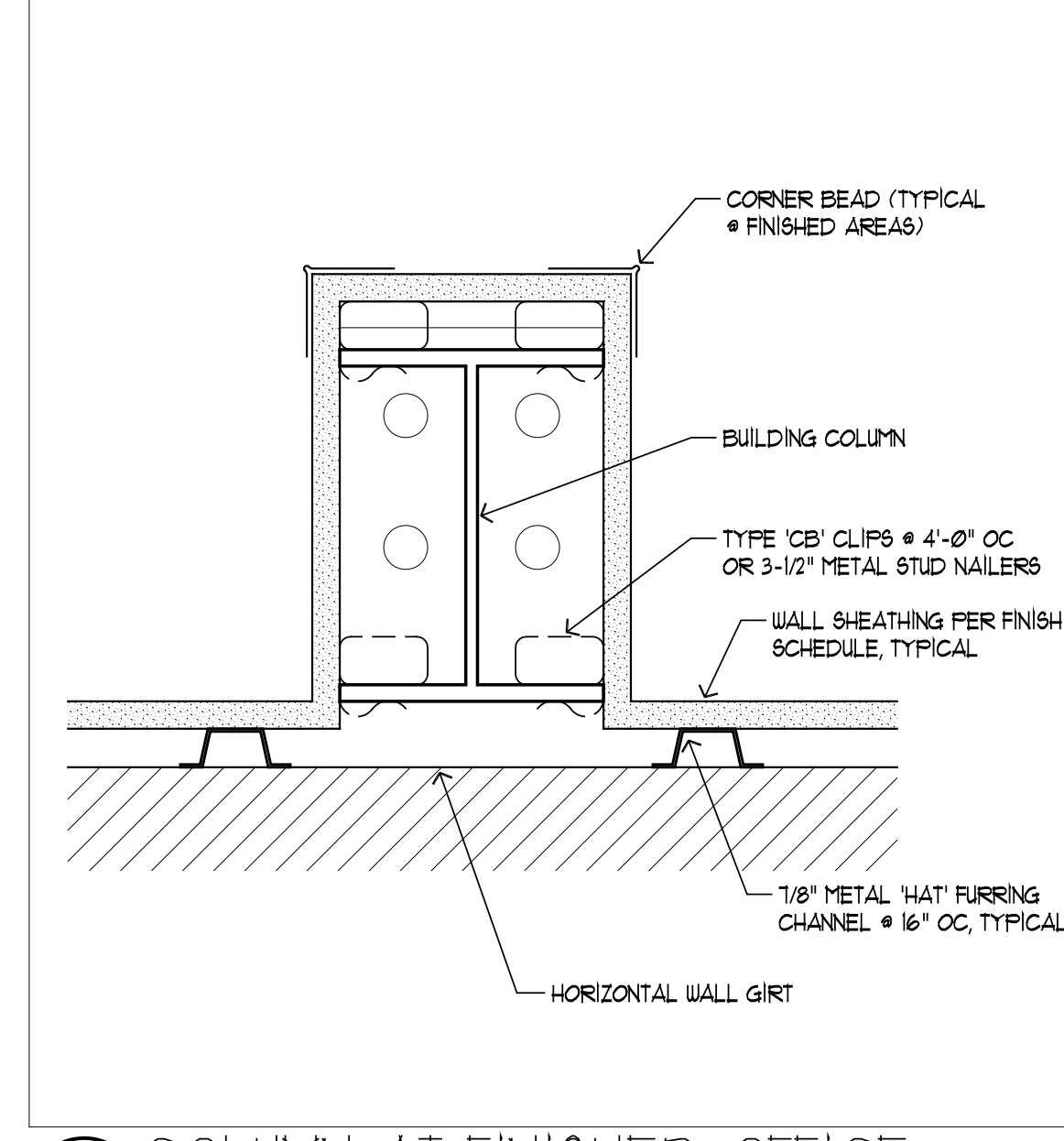
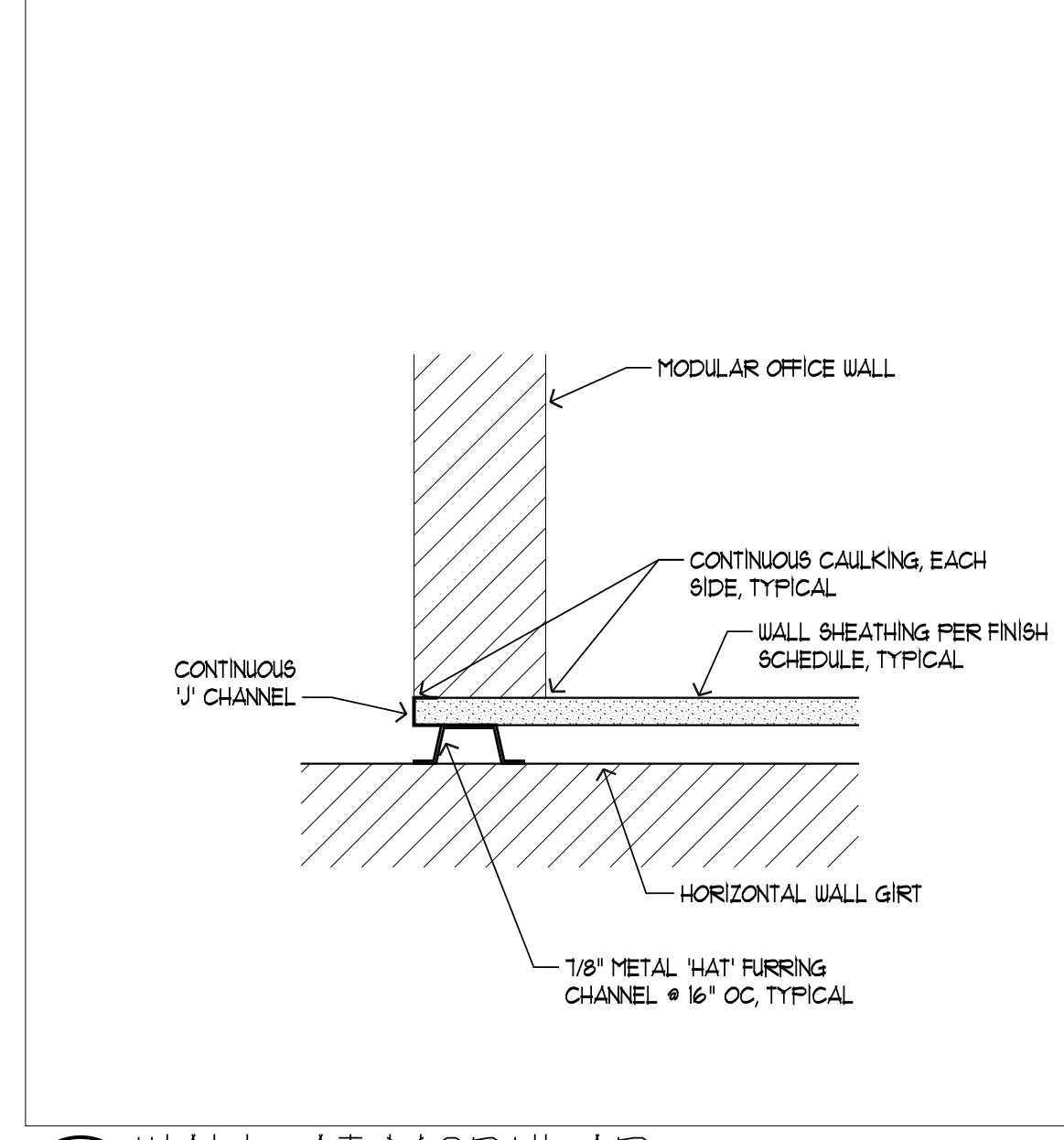
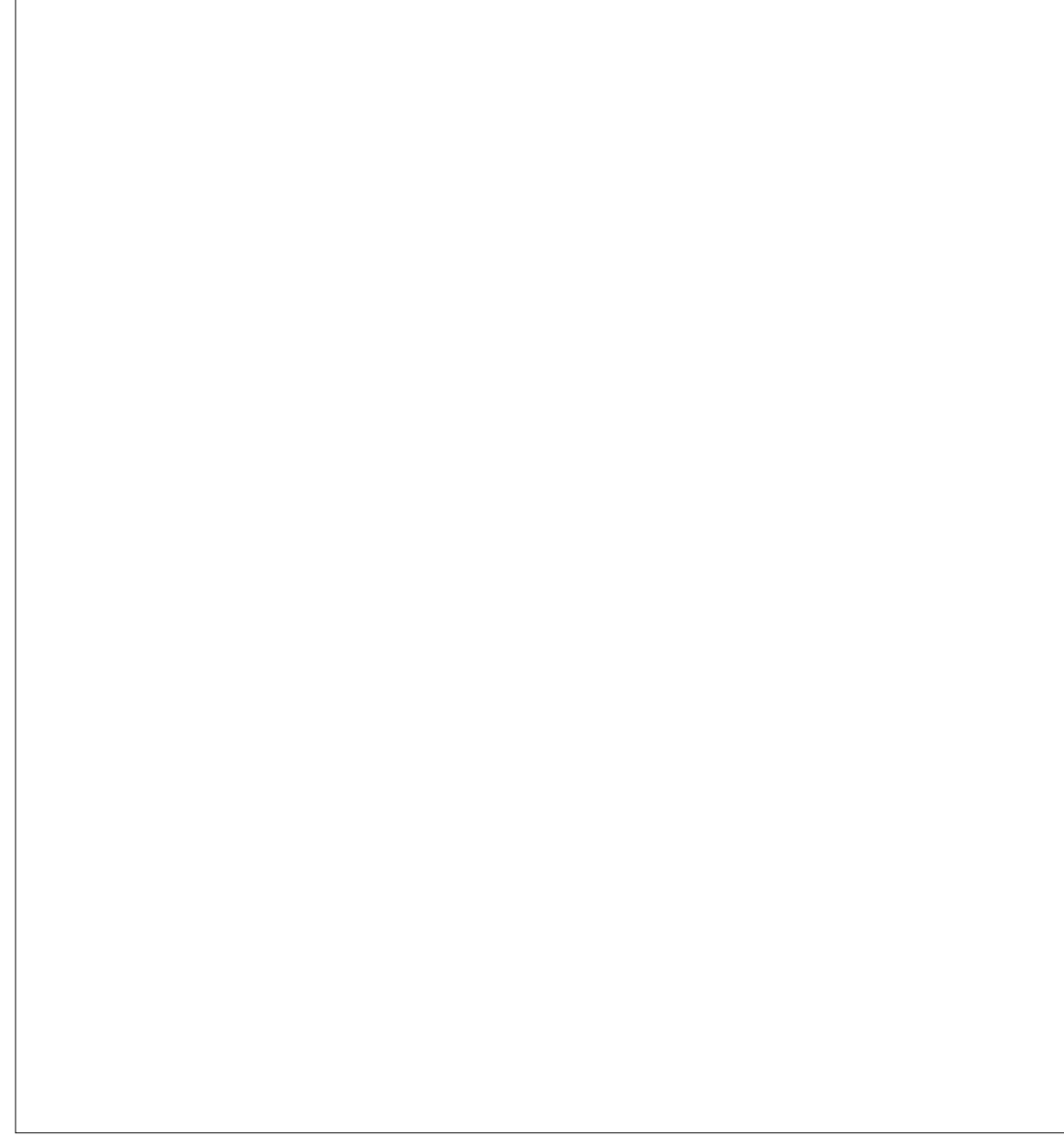
8 WALL HORIZONTAL LAP
A22 AT1 3"=1'-0"



7 WALL OUTSIDE CORNER
A21 AT1 3"=1'-0"



6 WALL INSIDE CORNER
A21 AT1 3"=1'-0"



14 WALL AT MODULAR
A22 AT1 3"=1'-0"

13 COLUMN AT FINISHED OFFICE
A22 AT1 3"=1'-0"

12 WALL BASE AT FINISH SLAB
A21 AT1 3"=1'-0"

11 WALL BASE
A21 AT1 3"=1'-0"

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5515 REGISTERED ARCHITECT
BRUCE J. DUNN
STATE OF WASHINGTON

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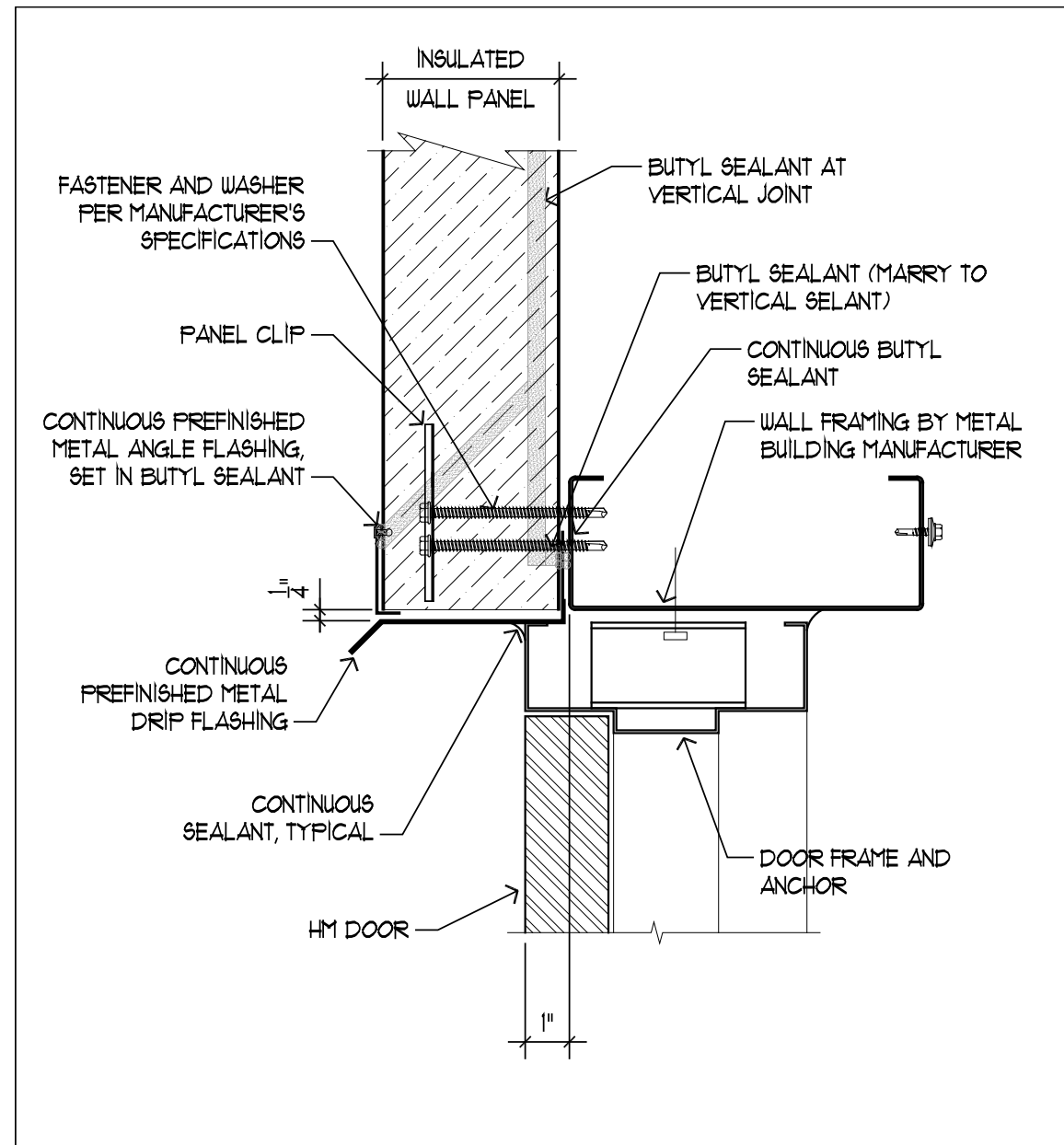
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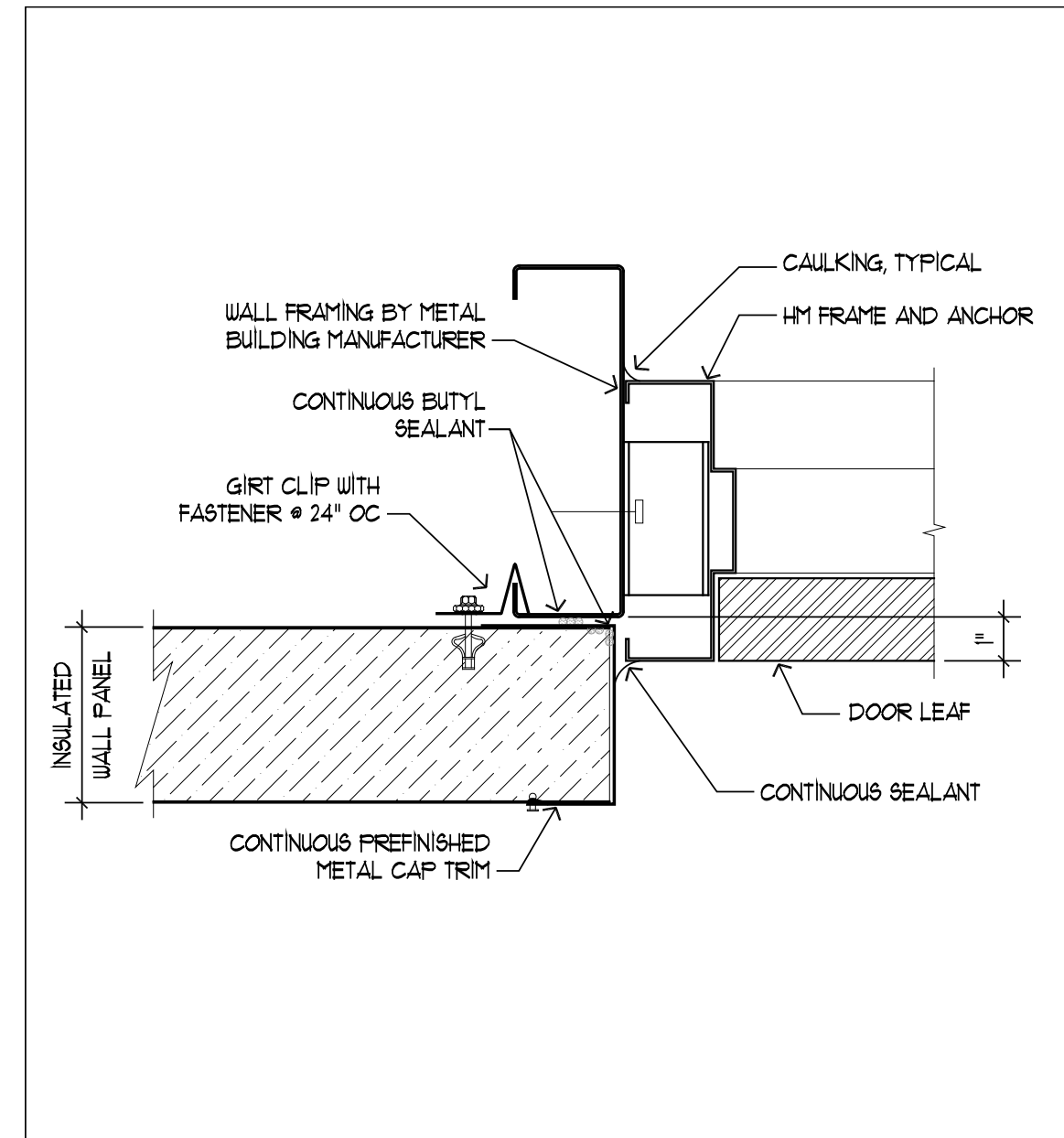
DETAILS-1

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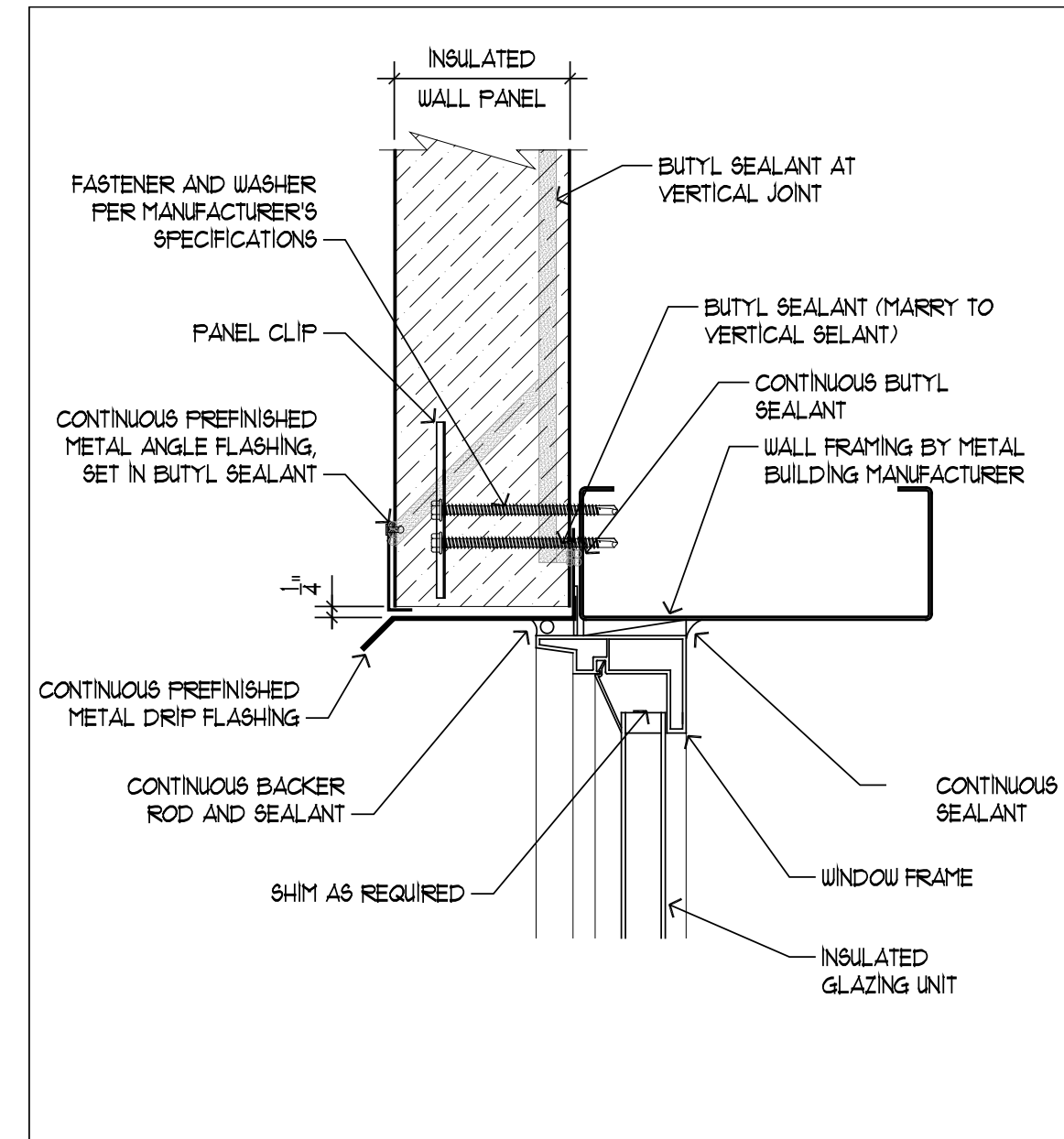
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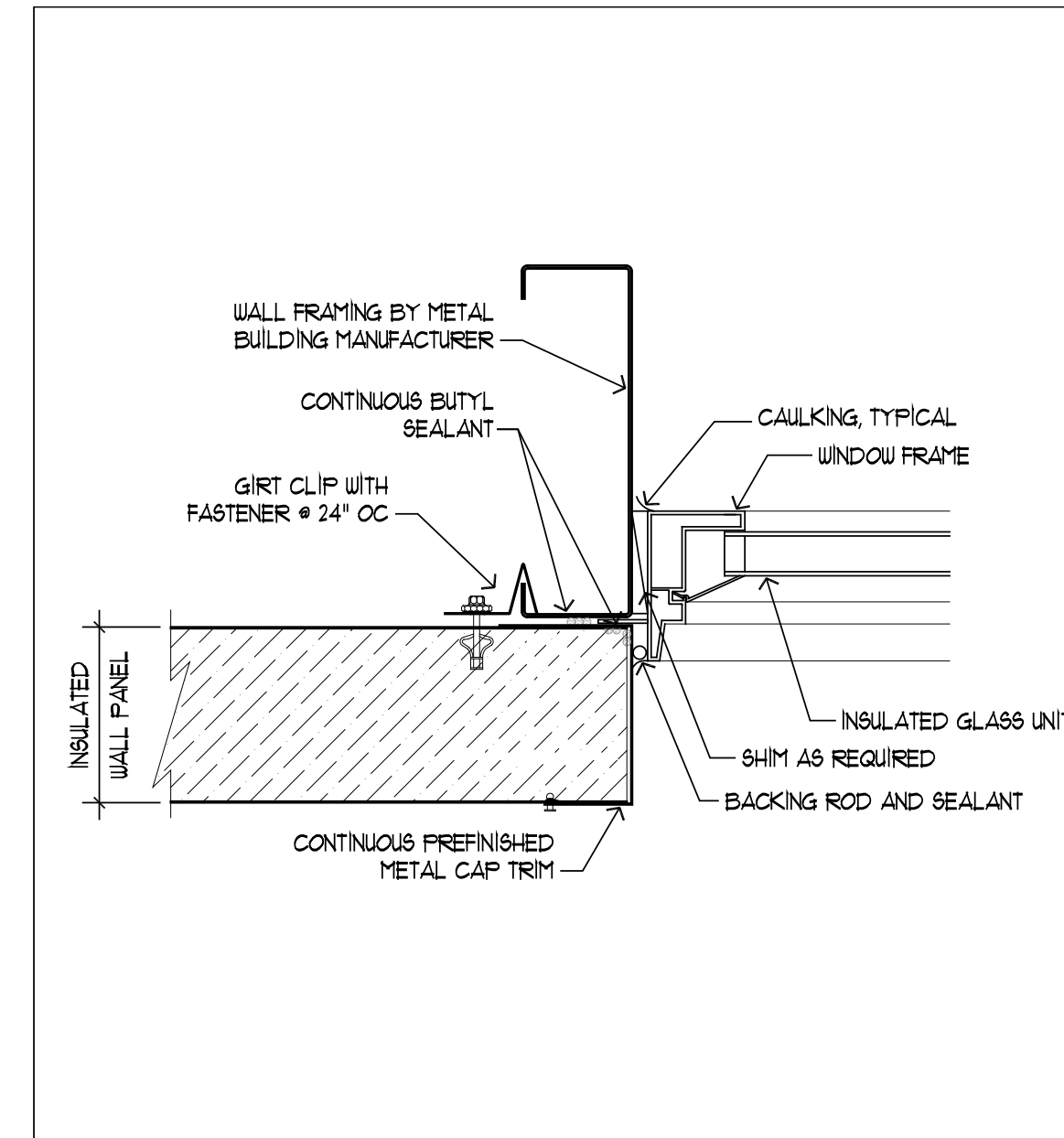
20 DOOR HEADER
3"=1'-0"



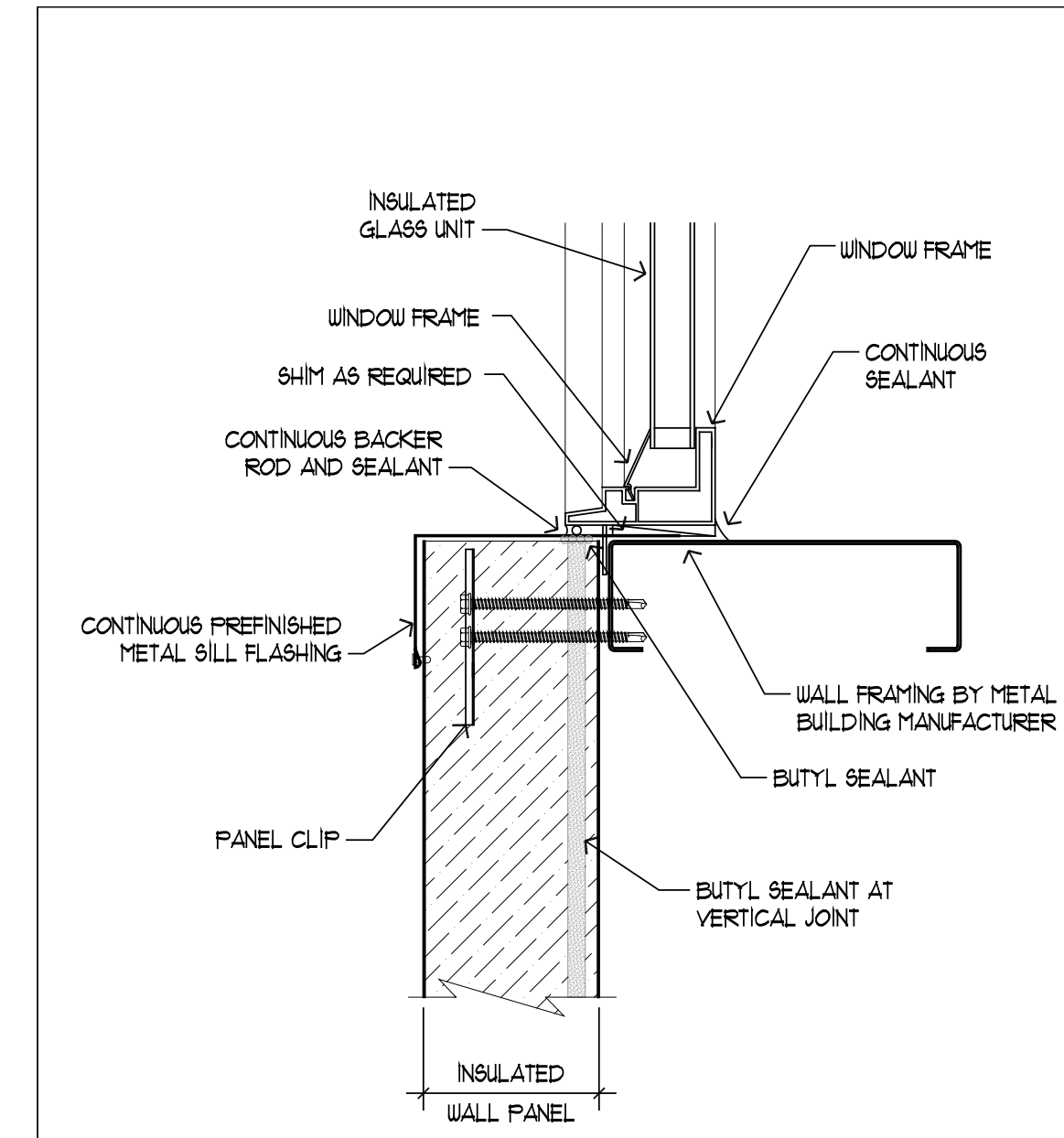
19 DOOR JAMB
3"=1'-0"



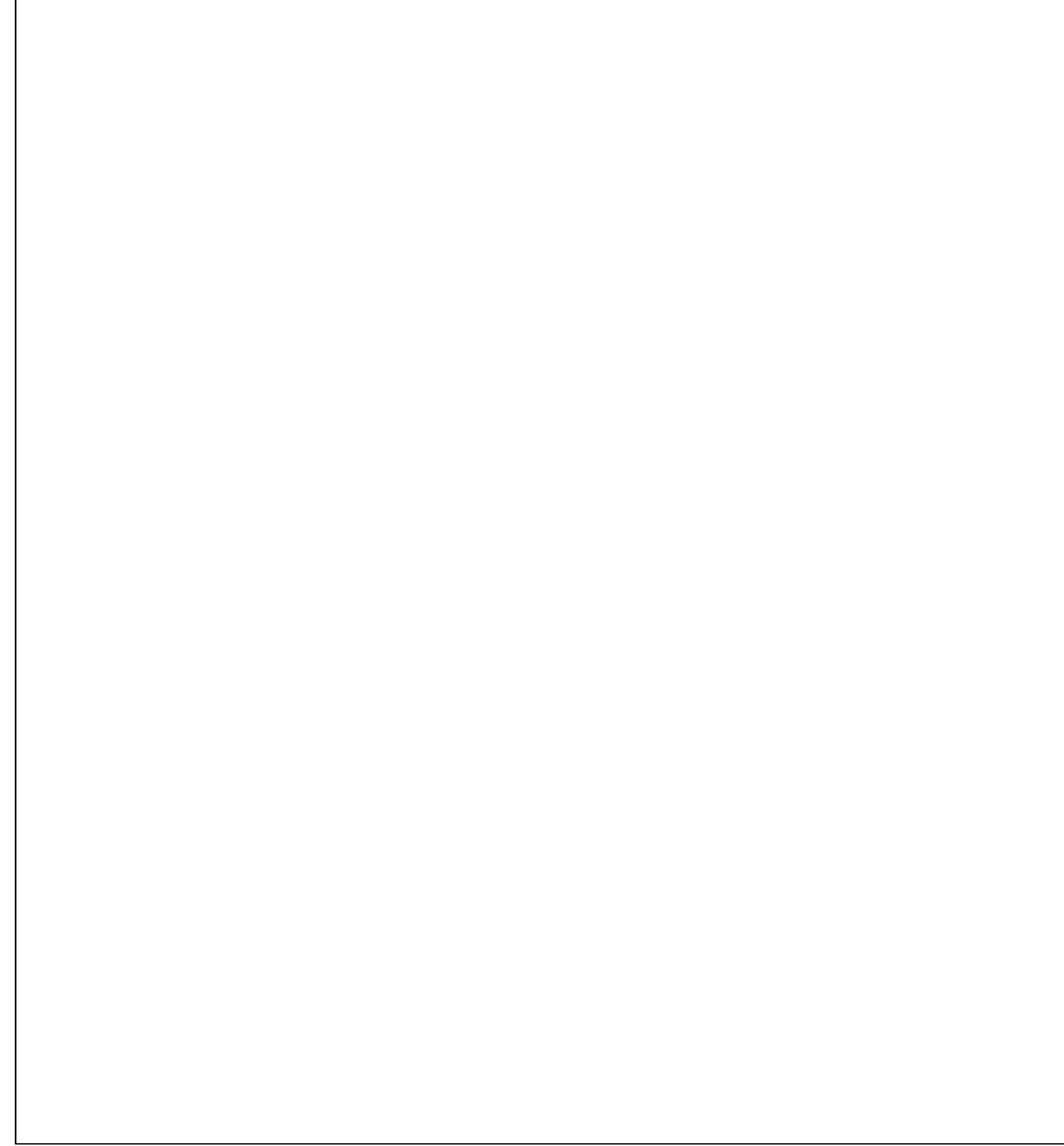
18 WINDOW HEADER
3"=1'-0"



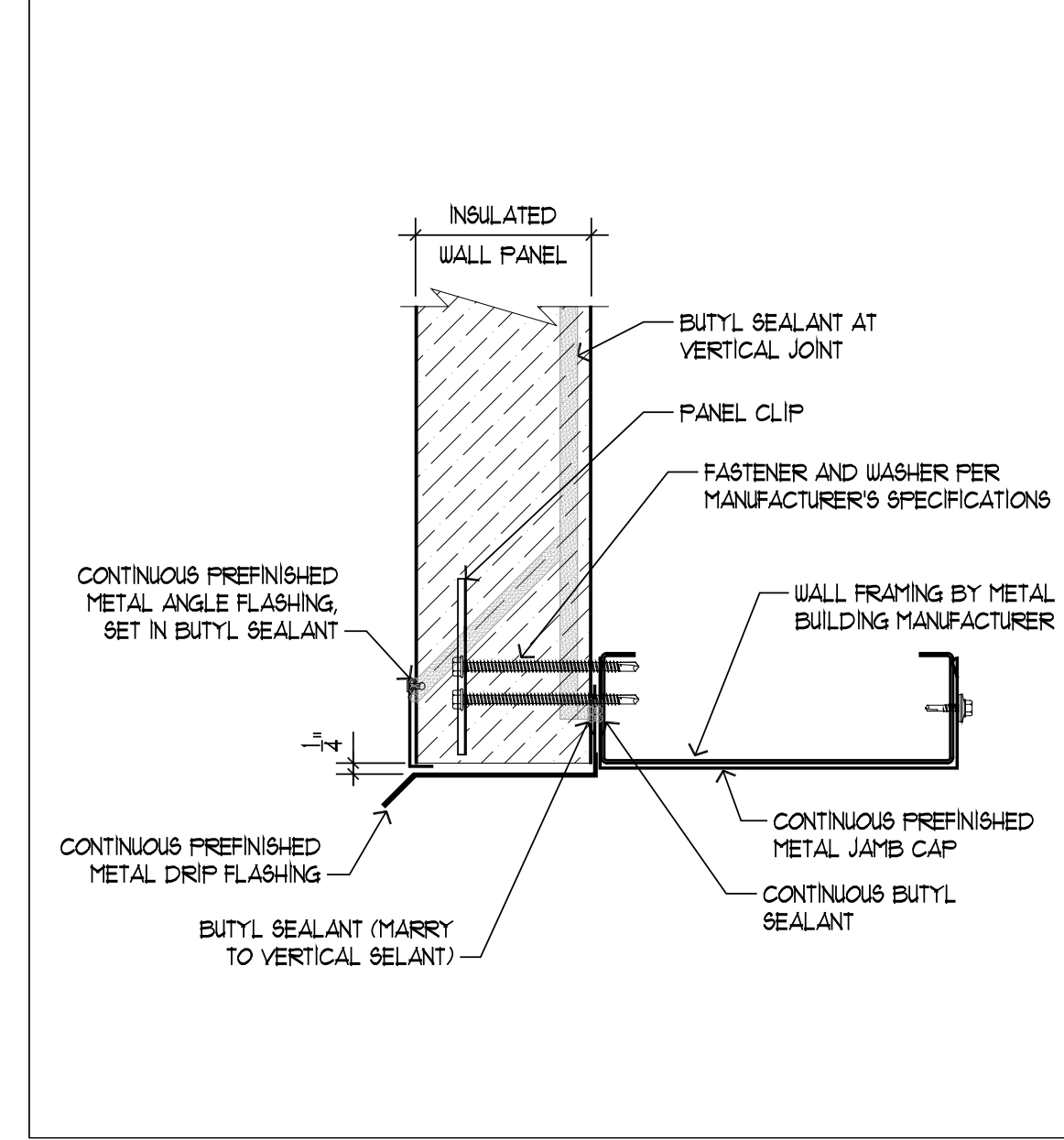
17 WINDOW JAMB
3"=1'-0"



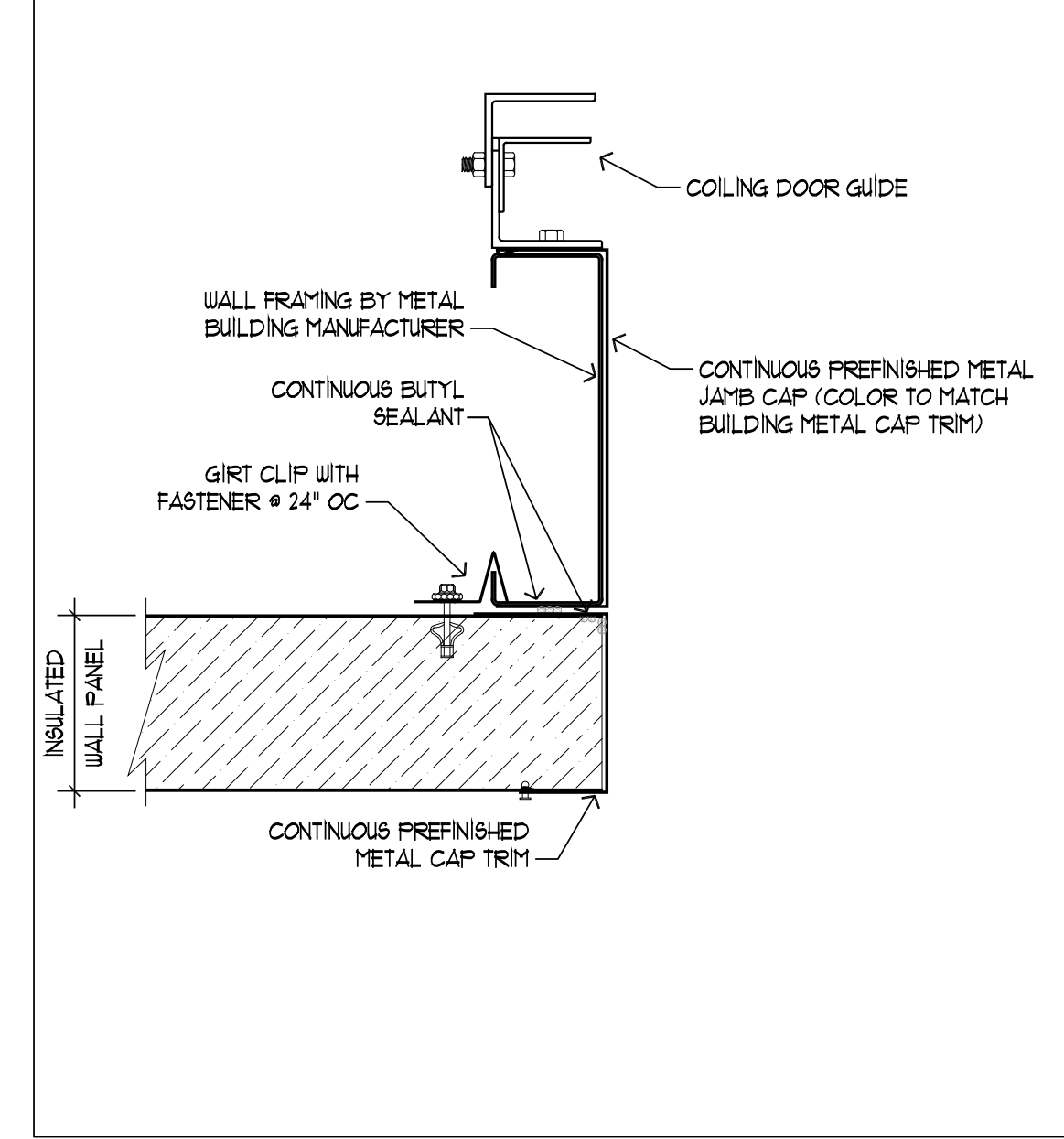
16 WINDOW SILL
3"=1'-0"



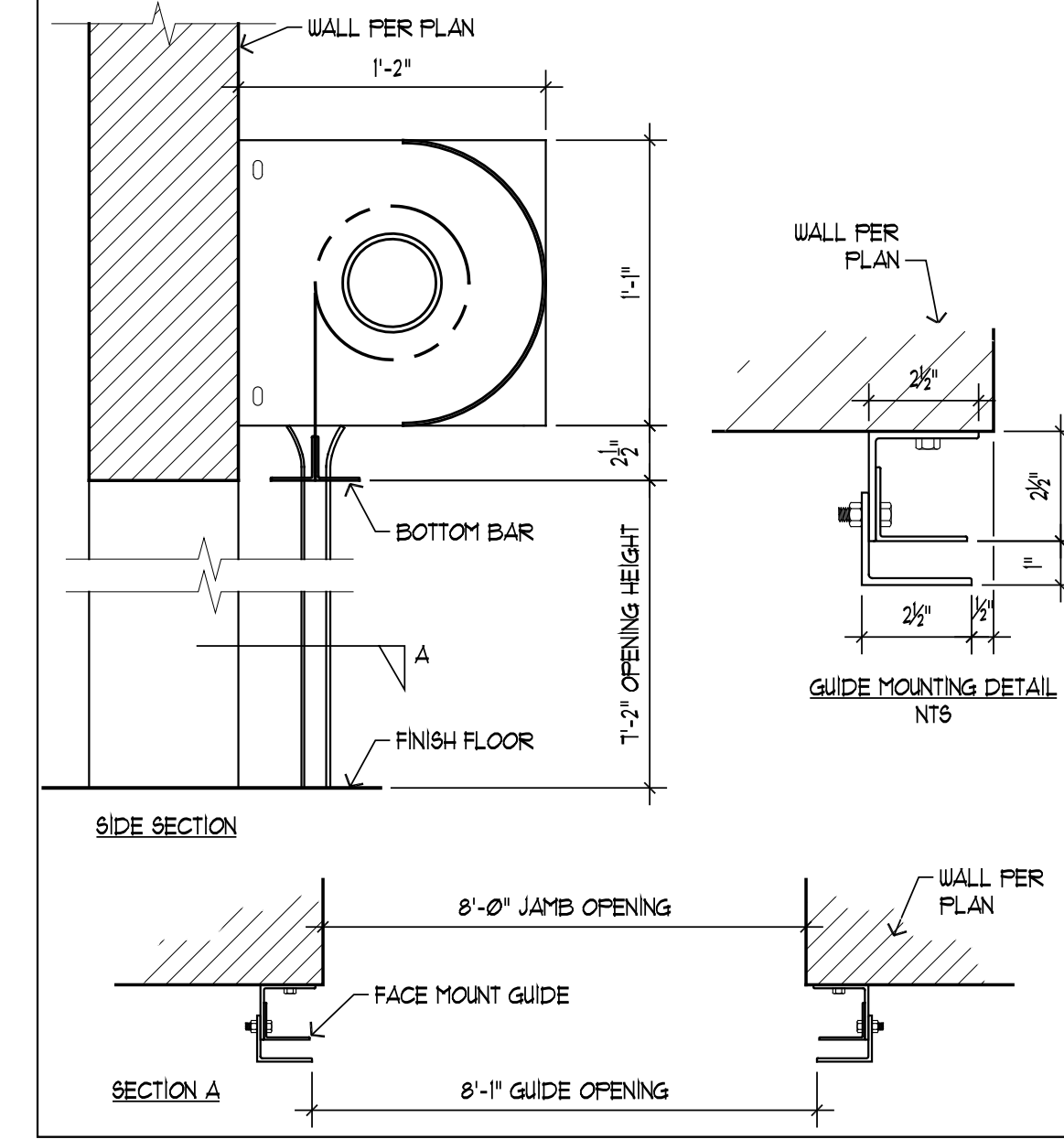
24 THRESHOLD
6"=1'-0"



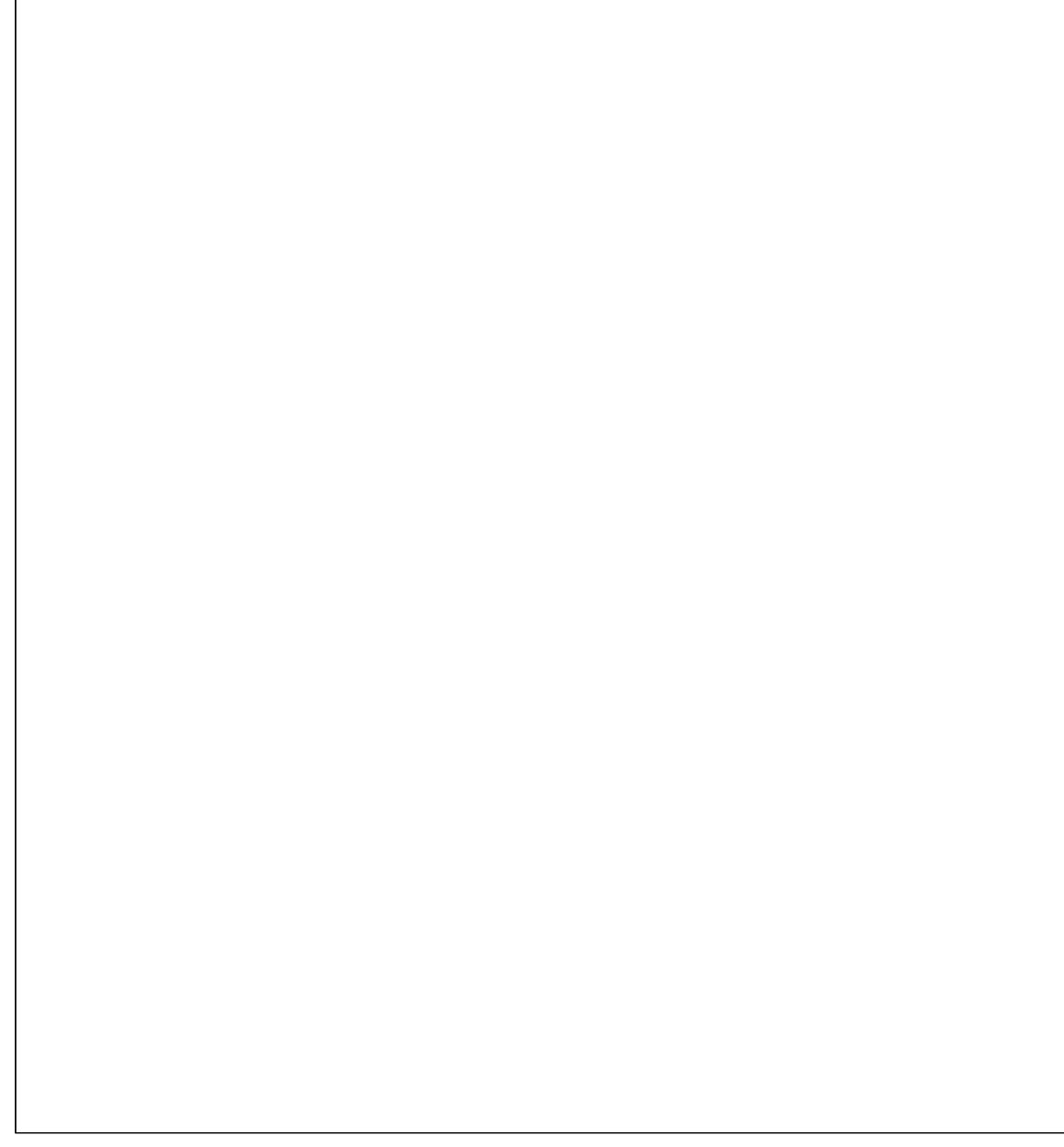
23 FRAMED OPENING HEADER
3"=1'-0"



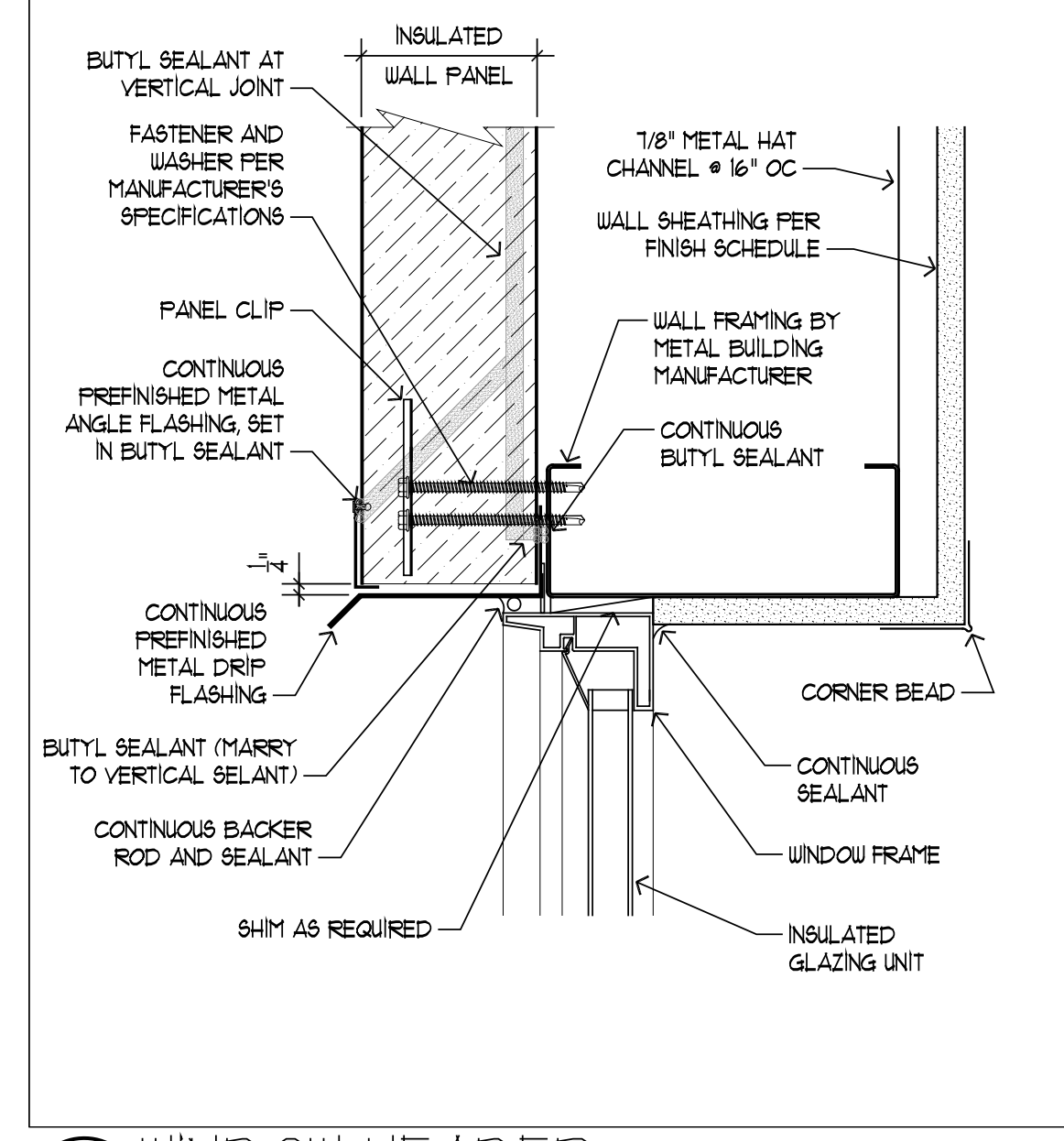
22 FRAMED OPENING JAMB
3"=1'-0"



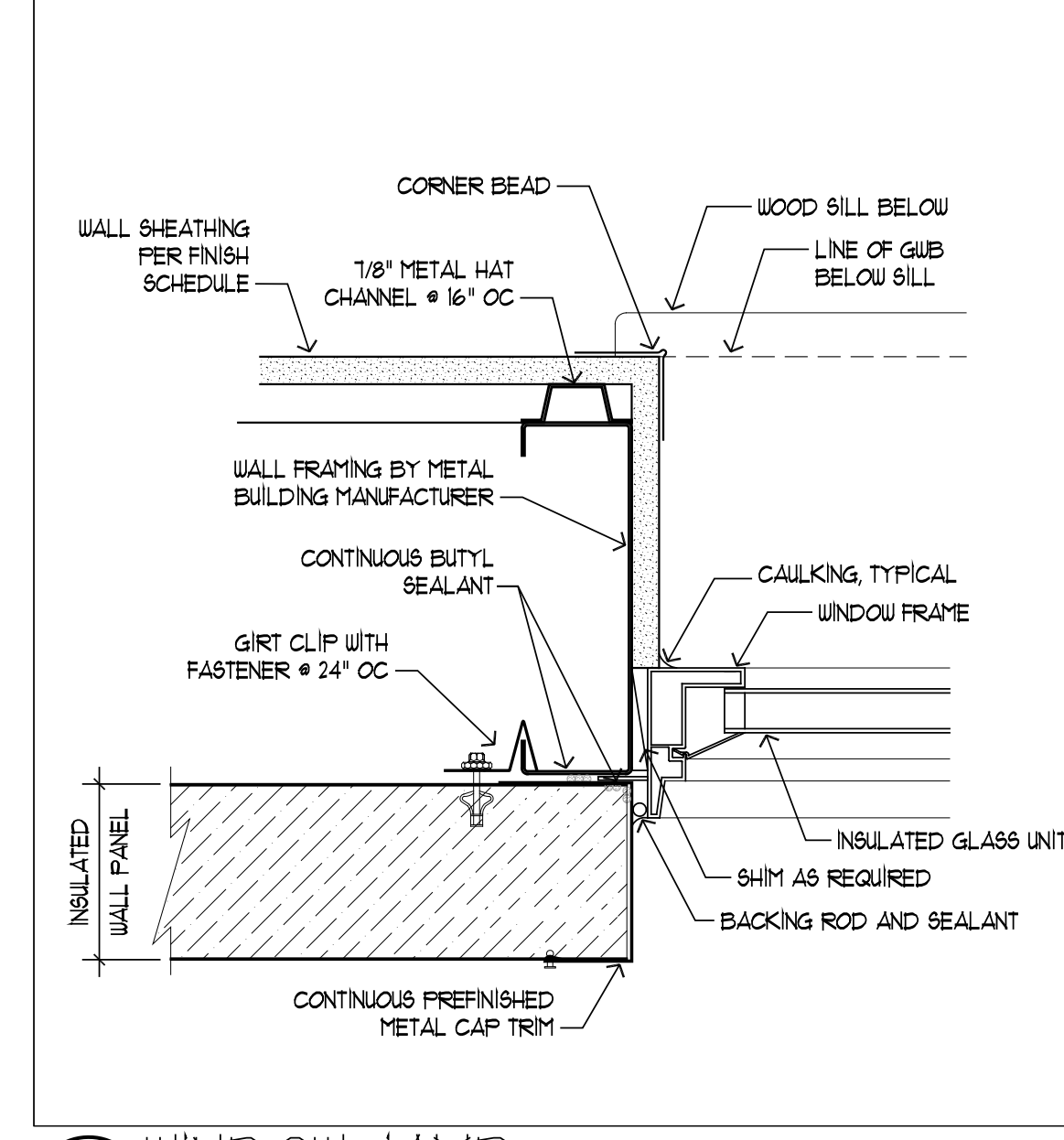
21 COILING DOOR
1 1/2"=1'-0"



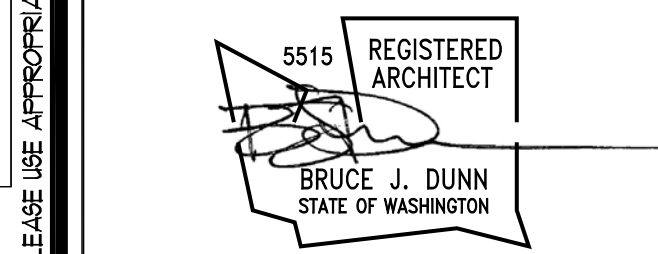
28 WINDOW HEADER
3"=1'-0"



27 WINDOW JAMB
3"=1'-0"



26 WINDOW SILL
3"=1'-0"



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KEY INDEX

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GEORGETOWN
GUYANA

Plantation "A"
Houston District
Greater Georgetown, Guyana

DETAILS-2

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GENERAL ARCHITECTURAL NOTES (GAN)

BUILDING CODE REFERENCES:

ALL CODE REFERENCES HEREAFTER SHALL CORRESPOND TO THE FOLLOWING EDITIONS.

EDITION	CODE
2015	INTERNATIONAL BUILDING CODE
2015	INTERNATIONAL MECHANICAL CODE
2015	UNIFORM PLUMBING CODE
ICC A117.1-2009	ACCESSIBLE AND USABLE BUILDING AND FACILITIES
2015	INTERNATIONAL FIRE CODE
2015	NATIONAL ELECTRICAL CODE
2008	NEC WITH 2014 WAC RULES

GENERAL:

THE CONSTRUCTION DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT ARE NOT LIMITED TO BRACING AND SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURE OF CONSTRUCTION, OR THE SAFETY PRECAUTIONS AND THE PROGRAMS INCIDENT THERETO NOR SHALL OBSERVATION VISITS TO THE SITE INCLUDE INSPECTION OF THESE ITEMS.

ALL NEW CONSTRUCTION SHALL COMPLY WITH THE 2015 IBC, AND ICC/ANSI A117.1-09 ACCESSIBILITY REQUIREMENTS.

CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED CONSTRUCTION. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT.

WHERE REFERENCE IS MADE TO VARIOUS TEST STANDARDS OR MATERIALS, SUCH STANDARDS SHALL BE THE LATEST EDITION AND/OR ADDENDA, U.N.O.

ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL WITH APPROPRIATE TRADES, DRAWINGS AND SUBCONTRACTORS PRIOR TO CONSTRUCTION.

OPTIONS ARE FOR CONTRACTOR'S CONVENIENCE. IF AN OPTION IS CHOSEN, CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY CHANGES AND SHALL COORDINATE ALL DETAILS.

NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL ARCHITECTURAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT.

CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF CONSTRUCTION. RESOLVE ANY DISCREPANCY WITH THE ARCHITECT/ENGINEER.

TYPICAL DETAILS MAY NOT NECESSARILY BE CUT ON PLANS, BUT APPLY, U.N.O.

WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL ARCHITECTURAL NOTES AND/OR SPECIFICATIONS, THE GREATER REQUIREMENTS SHALL GOVERN.

ANY ENGINEERING DESIGN, PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW, SHALL BEAR THE SEAL OF A REGISTERED ENGINEER RECOGNIZED BY THE BUILDING CODE JURISDICTION OF THIS PROJECT.

PLAN DIMENSIONS SHOWN ARE TAKEN TO FACE OF STUD OR FACE OF CONCRETE U.N.O.

HEIGHTS SHOWN OR NOTED AFF (ABOVE FINISH FLOOR) ARE TO BE MEASURED FROM TOP OF FINISH FLOORING MATERIAL. EXCEPTION: AT AREAS THAT RECEIVE COATINGS, CARPET OR RESILIENT FLOORING, HEIGHTS ARE TO BE MEASURED FROM TOP OF CONCRETE SLAB.

DO NOT SCALE DRAWINGS. IF UNABLE TO LOCATE DIMENSIONS FOR ANY ITEM OF WORK, CONSULT ARCHITECT/ENGINEER FOR DIRECTION BEFORE PROCEEDING.

IF DRAWINGS MEASURE LESS THAN 24" x 36", PRINTS ARE REDUCED FROM ORIGINALS.

DETAILS SHOWN ON CONSTRUCTION DOCUMENTS SHALL BE INCORPORATED INTO THE PROJECT AT ALL APPROPRIATE LOCATIONS WHETHER SPECIFICALLY REFERENCED AT EACH LOCATION OR NOT.

ADJUNCT CONSTRUCTION — THE EMBEDMENT OR PASSAGE OF PIPING, ELECTRICAL CONDUIT, DUCTWORK AND OTHER MATERIALS THAT WOULD REDUCE THE STRENGTH OF MASONRY, CONCRETE WALLS, FOOTINGS AND/OR FRAMING IS NOT PERMITTED UNLESS THE WORK IS DONE IN ACCORDANCE WITH THE STANDARD DETAILS SHOWN ON THE CONSTRUCTION DOCUMENTS. THIS WORK MUST BE REVIEWED BY THE PROJECT ENGINEER/ARCHITECT PRIOR TO CLOSING IN AND /OR CASTING. SEE STANDARD DETAILS AND PROJECT MANUAL FOR THE RELATIONSHIP OF UNDERGROUND CONDUIT AND PIPING TO FOUNDATIONS, FOR OPENINGS, FOR PIPING IN WALLS, AND OTHER SPECIAL CONDITIONS REQUIRED FOR THIS PROJECT.

WHERE PLAN NOTES CALL FOR THE CONTRACTOR TO INSTALL SPECIAL ITEMS, IT IS TO BE EXPLICITLY UNDERSTOOD THAT THE CONTRACTOR IS TO ALSO PROVIDE THAT ITEM AND ALL ACCESSORY EQUIPMENT REQUIRED TO INSTALL THAT ITEM(S). IF ITEM IS TO BE PROVIDED BY OWNER, IT WILL BE SO INDICATED.

CONTRACTOR SHALL REPAIR ALL CONSTRUCTION DAMAGE NOT LIMITED TO GRASS, PAVED AREAS AND OTHER ITEMS TO PRE-CONSTRUCTION CONDITION FROM DAMAGE DURING CONSTRUCTION. PROVIDE PHOTOGRAPHS PRIOR TO STARTING WORK AND DELIVER TO ENGINEER/ARCHITECT.

IN WORK AREAS, CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION. CONTACT ALL UTILITY COMPANIES FOR VERIFICATION OF ALL UNDERGROUND UTILITIES.

ALL BURIED STEEL PIPE AND FERROUS METAL OBJECTS SHALL BE PROVIDED WITH A PROTECTIVE COATING.

GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

CHANGES TO THE APPROVED DRAWINGS AND PROJECT MANUAL SHALL BE MADE BY AN ADDENDA OR CHANGE ORDER SIGNED BY THE ENGINEER/ARCHITECT AND APPROVED BY THE OWNER.

THE ELECTRICAL, PLUMBING, AND MECHANICAL DRAWINGS ARE DIAGRAMMATIC ONLY. DO NOT SCALE THE DRAWINGS TO DETERMINE THE LOCATION OF PROPOSED EQUIPMENT, OUTLETS, OR OTHER ITEMS.

SEE SCHEDULES, DETAILS, AND CONSTRUCTION DOCUMENTS FOR MOUNTING HEIGHTS OF ACCESSORIES.

MAINTAIN FIRE RESISTANCE RATING OF RATED ASSEMBLIES BEHIND RECESSED WALL ACCESSORIES, INCLUDING FIRE EXTINGUISHER CABINETS, TOILET ACCESSORIES, MISCELLANEOUS ACCESSORIES, ELECTRICAL JUNCTION BOXES, AND OTHER ITEMS WHERE OCCURRING.

THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE CONSTRUCTION IS TO BE IN ACCORDANCE WITH THE APPLICABLE CODES. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NONCOMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISH WORK WILL NOT COMPLY WITH THE APPLICABLE CODES, A CHANGE ORDER OR SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK, SHALL BE SUBMITTED TO AND APPROVED BY THE AGENCY HAVING JURISDICTION.

MAINTAIN FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION IN ACCORDANCE WITH THE 2015 EDITION OF THE INTERNATIONAL FIRE CODE, CHAPTER 14.

DOOR FRAMES:

PROVIDE DOOR FRAMES AS SHOWN ON DRAWINGS AND DOOR SCHEDULE AS FOLLOWS:

HOLLOW METAL (HM):

CURRIES, CEKO DOORS OR APPROVED EQUAL.
GROUT INTERIOR FRAMES WITH LIGHT WEIGHT GROUT
USE FULLY WELDED FRAMES
ALL DOOR FRAMES, INTERIOR & EXTERIOR, TO BE GALVANIZED.
INTERIOR — 14 GA.
EXTERIOR — 14 GA.

PRIMED AND PAINTED
EXTERIOR TO MATCH EXTERIOR METAL SIDING COLOR
INTERIOR TO MATCH INTERIOR WALL COLOR

DOORS:

PROVIDE DOORS AS SHOWN ON DRAWINGS AND DOOR SCHEDULE AS FOLLOWS:

HOLLOW METAL SWING DOORS:

CURRIES, CEKO DOORS OR APPROVED EQUAL.
USE FULLY WELDED DOORS
ALL DOORS, INTERIOR & EXTERIOR, TO BE GALVANIZED.
INTERIOR — 14 GA.
EXTERIOR — 14 GA.
U-VALUE: AT OR BELOW 0.37

PRIMED AND PAINTED
EXTERIOR TO MATCH EXTERIOR METAL SIDING COLOR
INTERIOR TO MATCH INTERIOR WALL COLOR

WINDOWS:

VINYL WINDOWS:

AMSCO WINDOWS — STUDIO SERIES WINDOWS
VINYL WINDOW
U-VALUE : AT OR BELOW 0.30.
COLOR — WHITE
COLOR SELECTIONS FROM MANUFACTURER'S STANDARD COLORS.

DOOR HARDWARE:

PROVIDE HARDWARE AS SHOWN ON DRAWINGS AND DOOR HARDWARE SCHEDULE AS FOLLOWS:

HINGES (3 PER DOOR):
HAGER 1279 4-1/2 X 4-1/2 X US260

EXIT DEVICE:
RIM EXIT DEVICE: VON DUPRIN 99L-NL 36" X US260
LEVER TRIM: VON DUPRIN 996L-NL #6 X US260

LOCKSET:
YALE A05404LN X US260

LATCHSET:
YALE A05401LN X US260

PRIVACY LOCK (LEVER TYPE):
YALE A05402LN X US260

DOOR PULL:
IVES 8303-8 4"x16" US260

PUSH PLATE:
IVES 8200 6"x16" US260

CYLINDER:
YALE 1210T

GYPSUM BOARD ASSEMBLIES:

PROVIDE GYPSUM BOARD ASSEMBLIES TO INCLUDE THE FOLLOWING:

1. GYPSUM BOARD ASSEMBLIES ATTACHED TO METAL FRAMING.
2. BACKING FOR ACCESSORIES NOT LIMITED TO DOOR HARDWARE, HOLD OPENS, GRAB BARS, ACCESSORIES, RELATED ITEMS AND MISC. ITEMS.
3. METAL CEILING FRAMING.

BOARD SHALL BE UL RATED TYPE X, TAPERED EDGE, THICKNESS AS SCHEDULED, AND SHALL COMPLY WITH ASTM-C 1396.

JOINT CEMENT, REINFORCING TAPE, AND ADHESIVES AS RECOMMENDED BY GYPSUM BOARD MANUFACTURER. JOINT TREATMENT SYSTEM SHALL BE US GYPSUM, BEADEX, OR APPROVED EQUAL.

PAINTING:

PAINTING IS TO INCLUDE SURFACE PREPARATION AND PAINTING OF THE FOLLOWING:

1. EXPOSED EXTERIOR ITEMS AND SURFACES.
2. EXPOSED INTERIOR ITEMS AND SURFACES.
3. SURFACE PREPARATION, PRIMING, AND FINISH COATS ARE IN ADDITION TO SHOP PRIMING AND SURFACE TREATMENT SPECIFIED IN THE PROJECT MANUAL.

PAINT EXPOSED SURFACES AS INDICATED ON FINISH SCHEDULE AND DRAWINGS. IF THE FINISH SCHEDULES DO NOT SPECIFICALLY MENTION AN ITEM OR A SURFACE, PAINT THE ITEM OR SURFACE THE SAME AS SIMILAR ADJACENT MATERIALS OR SURFACES WHETHER OR NOT SCHEDULES INDICATE COLORS. IF THE SCHEDULES DO NOT INDICATE COLOR OR FINISH, THE OWNER WILL SELECT FROM STANDARD COLORS AND FINISHES AVAILABLE.

PAINT WORK TO INCLUDE PAINTING AND SPECIAL COATINGS ON METALS, PIPING, FINISH CARPENTRY, DOORS, FRAMES, WALLS, SOFFITS, ETC. PAINT SHALL BE LATEX BASED, U.N.O. PAINT ALL EXPOSED SURFACES U.N.O.

EXTERIOR:

USE ENAMEL PAINT ON SURFACES THAT ARE NOT PRE-FINISHED.
SEMI-GLOSS ON EXTERIOR DOORS AND TRIM (1 COLOR SELECTION).

INTERIOR WALLS & CEILING:

SHERWIN WILLIAMS OR APPROVED EQUAL
INTERIOR WALLS & CEILING — PANDA WHITE SW6147 (SATIN)
RESTROOM WALLS & CEILING — PANDA WHITE SW6147 (SEM-GLOSS)
COLOR SELECTION FROM MANUFACTURER STANDARDS

FLOORING:

RESILIENT FLOORING (RF):

RESILIENT SHEET VINYL FLOORING
ARMSTRONG OR APPROVED EQUAL
CHATEAU GRAY 84620 OR
COLOR SELECTION FROM MANUFACTURER STANDARDS

RUBBER WALL BASE (RB):

ROPPE OR APPROVED EQUAL

TYPES: STRAIGHT AND COVED, AS APPLICABLE. (STRAIGHT TOE AT CARPET INSTALLATIONS; COVED TOE ELSEWHERE.)
HEIGHT 4-INCHES AND THICKNESS 1/8 INCH UNLESS OTHERWISE INDICATED; ROUNDED TOPS. SOLID COLOR THROUGHOUT MATERIAL. COLOR AS SELECTED BY OWNER.
NO SHORT LENGTHS: LONG ROLL TYPES.
700 SERIES WALL BASE

193 BLACK BROWN
COLOR SELECTIONS FROM MANUFACTURER'S STANDARD COLORS, BY OWNER.

PLASTIC LAMINATE WAINSCOT:

PLASTIC LAMINATE WALL WAINSCOT (PLM):

WILSONART, OR APPROVED EQUAL
4"-0" HIGH AS SHOWN ON DRAWINGS
PEWTER MESH 4878
COLOR SELECTION FROM MANUFACTURER STANDARDS, BY OWNER

ACCESS PANELS:

GLOBAL INDUSTRIAL ACCESS DOORS AND PANELS.
18"x18" SIZE.

FIRE EXTINGUISHERS:

FURNISH AND INSTALL PORTABLE FIRE EXTINGUISHERS, SURFACE MOUNT. EXTINGUISHERS SHALL BE UL LISTED AND FM APPROVED FOR INTENDED USE AND AS DESCRIBED ON DRAWINGS. EXTINGUISHER SHALL BE AMEREX, OR APPROVED EQUAL.

TOILET ROOM ACCESSORIES:

GRAB BARS (VERTICAL):
BOBRICK #B5806x18"

GRAB BARS (HORIZONTAL — L-SHAPED):
BOBRICK #B—5897 42"x54"

FRAMED MIRROR:
BOBRICK #B290 18"x30"

TOILET PAPER DISPENSER:
GEORGIA PACIFIC COMPACT CORELESS,
TWO-ROLL COVERED,
PART #66784, COLOR: SMOKE

PRE-FABRICATED METAL BUILDING:

COLOR SELECTIONS — MATCH EXISTING BUILDING COLORS AND PROFILES. COLORS AND PROFILES LISTED BELOW ARE ONLY ASSUMED TO MATCH THE EXISTING BUILDING.

CBC STEEL BUILDING COLOR SELECTIONS AND PROFILES:

ROOF PANELS:
MS-24: 24" PANEL COVERAGE / 24 GAUGE
COLOR — SELECTED BY OWNER

WALL SIDING (VERTICAL PATTERN) — EXTERIOR SIDING:
"R" PANELS — 36" PANEL COVERAGE / 26 GAUGE
COLOR — SELECTED BY OWNER

GUTTERS / DOWNSPOUTS / CORNER TRIM / BASE TRIM:
COLOR — SELECTED BY OWNER

STRUCTURAL STEEL:
COLOR — GRAY

DEFERRED/SEPARATE SUBMITTALS:

SHOP DRAWING SUBMITTALS REQUIRED BY THESE GENERAL ARCHITECTURAL NOTES WHICH CONTAIN DESIGN CALCULATIONS SEALED BY A REGISTERED ENGINEER OTHER THAN THE ENGINEER OF RECORD SHALL BE SUBMITTED PRIOR TO CONSTRUCTION TO THE BUILDING OFFICIAL FOR REVIEW. THE DOCUMENTS WILL FIRST BE REVIEWED BY THE ENGINEER OF RECORD AND DETERMINED TO BE IN GENERAL CONFORMANCE WITH THE BUILDING DESIGN. THESE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THE BUILDING OFFICIAL HAS APPROVED THEIR DESIGN AND SUBMITTAL DOCUMENTS.

THE FOLLOWING ITEMS SHALL BE SUBMITTED PER THIS SECTION:

PRE-FABRICATED METAL BUILDING SYSTEM
MECHANICAL SYSTEM
PLUMBING SYSTEM
ELECTRICAL SYSTEM

ENERGY CODE REQUIREMENTS:

C402.5.1.1 AIR BARRIER CONSTRUCTION AND SEALING:

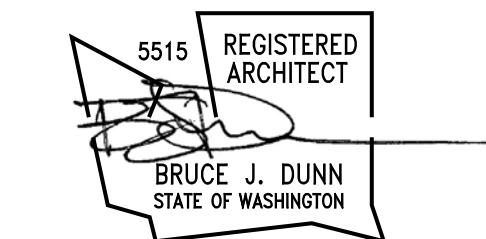
PENETRATIONS OF THE AIR BARRIER AND PATHS OF AIR LEAKAGE SHALL BE CAULKED, GASKETED OR OTHERWISE SEALED IN A MANNER COMPATIBLE WITH THE CONSTRUCTION MATERIALS AND LOCATION. JOINTS AND SEALS SHALL BE SEALED IN THE SAME MANNER OR TAPED OR COVERED WITH A MOISTURE VAPOR-PERMEABLE WRAPPING MATERIAL. SEALING MATERIALS SHALL BE APPROPRIATE TO THE CONSTRUCTION MATERIALS BEING SEALED. THE JOINTS AND SEALS SHALL BE SECURELY INSTALLED IN OR ON THE JOINT FOR ITS ENTIRE LENGTH SO AS NOT TO DISLODGE, LOOSEN OR OTHERWISE IMPAIR ITS ABILITY TO RESIST POSITIVE AND NEGATIVE PRESSURE FROM WIND, STACK EFFECT AND MECHANICAL VENTILATION.

ABBREVIATIONS:

AFF	ABOVE FINISH FLOOR	HM	HOLLOW METAL
AL	ALUMINUM	MAX	MAXIMUM
B.O.	BOTTOM OF	MECH	MECHANICAL
B.P.	CONC CONCRETE	MFR	BY MANUFACTURER
CJ	CONTROL JOINT	MN	MINIMUM
CL	CENTER LINE	O.C.	ON CENTER
DIA	DIAMETER	PT	PAINTED
D.S.	DOWNSPOUT	RF	RESILIENT FLOORING
EA	EACH	RWB	RESILIENT WALL BASE
EL	ELEVATION	SCH	SCHEDULE
EQ	EQUAL	SM	SIMILAR
EXPSD	EXPOSED	SLR	CONCRETE SEALER
FF	FACTORY FINISH	STL	STEEL
F.F.	FINISH FLOOR	T.O.	TOP OF
FT	FOOT	T.O.C.	TOP OF CONCRETE
F.G.	FX FIRE EXTINGUISHER	T.O.F.	TOP OF FOOTING
GA	GAGE	T.O.W.	TOP OF WALL
GAN	GENERAL ARCHITECTURAL NOTES	TYP	TYPICAL
GSN	GENERAL STRUCTURAL NOTES		
F.H.	GWB GYPSUM BOARD 5/8" TYPE X'		

THESE DRAWINGS HAVE BEEN PRINTED IN FULL SIZE AND HALF SIZE. IF THE DRAWINGS YOU ARE LOOKING AT IS NOT 24" X 36" IT HAS BEEN REDUCED TO HALF SIZE. DO NOT REFER TO THE ARCHITECTURAL SCALE ON THE INDIVIDUAL DRAWINGS OR DETAIL. PLEASE USE APPROPRIATE GRAPHIC SCALE FOR ALL DIMENSIONS OF THE DRAWING.

BRUCE DUNN
ARCHITECT
5401 YACHT CLUB RD.
TACOMA, WA 98407



CHECK SET
5/22/2019

KEY INDEX

SBM WAREHOUSE
GEORGETOWN
GUYANA

Plantation "A"
Houston District
Greater Georgetown, Guyana

SPECIFICATIONS

DATE	5/22/2019	SHEET
SCALE	NONE	
DRAWN	06	
CHECK	BLD	
CONTRACT		
COPYRIGHT	2019	
A9.1		

PANEL SCHEDULE A									
125 AMP, SINGLE PHASE, 120/240V, 24-SPACE, MAIN LUG LOAD CENTER									
CKT NO.	DESCRIPTION	BKR TRIP	LOAD (AMPS)		LOAD (AMPS)		BKR TRIP	DESCRIPTION	CKT NO.
			A	B	A	B			
1	GFCI	20	2.0		12.0		20	DUPLEX	2
3	GFCI	20		2.0		0.0	20	220V	4
5	GFCI	20	2.0		0.0			SPACE	6
7	GFCI	20		2.0		0.0		SPACE	8
9	GFCI	20	2.0		0.0			SPACE	10
11	LIGHTS	20		1.0		0.0		SPACE	12
13	LIGHTS	20	1.0		0.0			SPACE	14
15	LIGHTS	20		2.0		0.0		SPACE	16
17	LIGHTS	20	0.5		0.0			SPACE	18
19	LIGHTS	20		0.5		0.0		SPACE	20
21	LIGHTS	20	0.5		0.0			SPACE	22
23	LIGHTS	20		1.0		0.0		SPACE	24
SUB TOTAL "A"			8.0		12.0				
SUBTOTAL "B"				8.5		0.0			
TOTALS			16.5		12.0				
TOTAL CONNECTED AMPS			A:	20.0	B:	8.5	TOTAL:	28.5	

PANEL SCHEDULE B									
125 AMP, SINGLE PHASE, 120/240V, 24-SPACE, MAIN LUG LOAD CENTER									
CKT NO.	DESCRIPTION	BKR TRIP	LOAD (AMPS)		LOAD (AMPS)		BKR TRIP	DESCRIPTION	CKT NO.
			A	B	A	B			
1	LIGHTS	20	0.5		0.0			SPACE	2
3	LIGHTS	20		6.5		0.0		SPACE	4
5	LIGHTS	20	1.0		0.0			SPACE	6
7	LIGHTS	20		1.0		0.0		SPACE	8
9	GFCI	20	2.0		0.0			SPACE	10
11	DUPLEX	20		10.0		0.0		SPACE	12
13	DUPLEX	20	10.0		0.0			SPACE	14
15	DUPLEX	20		8.0		0.0		SPACE	16
17	SPACE		0.0		0.0			SPACE	18
19	SPACE			0.0		0.0		SPACE	20
21	SPACE		0.0		0.0			SPACE	22
23	SPACE			0.0		0.0		SPACE	24
SUB TOTAL "A"			13.5		0.0				
SUBTOTAL "B"				25.5		0.0			
TOTALS			39.0		0.0				
TOTAL CONNECTED AMPS			A:	13.5	B:	25.5	TOTAL:	39.0	

PANEL SCHEDULE C									
125 AMP, SINGLE PHASE, 120/240V, 24-SPACE, MAIN LUG LOAD CENTER									
CKT NO.	DESCRIPTION	BKR TRIP	LOAD (AMPS)		LOAD (AMPS)		BKR TRIP	DESCRIPTION	CKT NO.
			A	B	A	B			
1	LIGHTS	20	0.5		12.0		20	DUPLEX	2
3	LIGHTS	20		3.0		0.0		SPACE	4
5	DUPLEX	20	10.0		0.0			SPACE	6
7	DUPLEX	20		8.0		0.0		SPACE	8
9	DUPLEX	20	10.0		0.0			SPACE	10
11	SPACE			0.0		0.0		SPACE	12
13	SPACE		0.0		0.0			SPACE	14
15	SPACE			0.0		0.0		SPACE	16
17	SPACE		0.0		0.0			SPACE	18
19	SPACE			0.0		0.0		SPACE	20
21	SPACE		0.0		0.0			SPACE	22
23	SPACE			0.0		0.0		SPACE	24
SUB TOTAL "A"			20.5		12.0				
SUBTOTAL "B"				11.0		0.0			
TOTALS			31.5		12.0				
TOTAL CONNECTED AMPS			A:	32.5	B:	11.0	TOTAL:	43.5	

LEGEND	
	TELE/DATA PREP
	SWITCH
	DUPLEX RECEPTACLE
	WINDOW
	DOOR
	EXTENDED COLUMN
	COLUMN
	I BEAM (STRUCTURAL)
	COLD ROLLED MEMBER
	1-1/2\"x1-1/2\"X11 GA RAILING
	K-SERIES BAR JOIST

JOB NUMBER: 11580
DRAWN BY: B. WATERHOUSE
CHECKED BY: K. TANNER
DATE: 3-27-2019

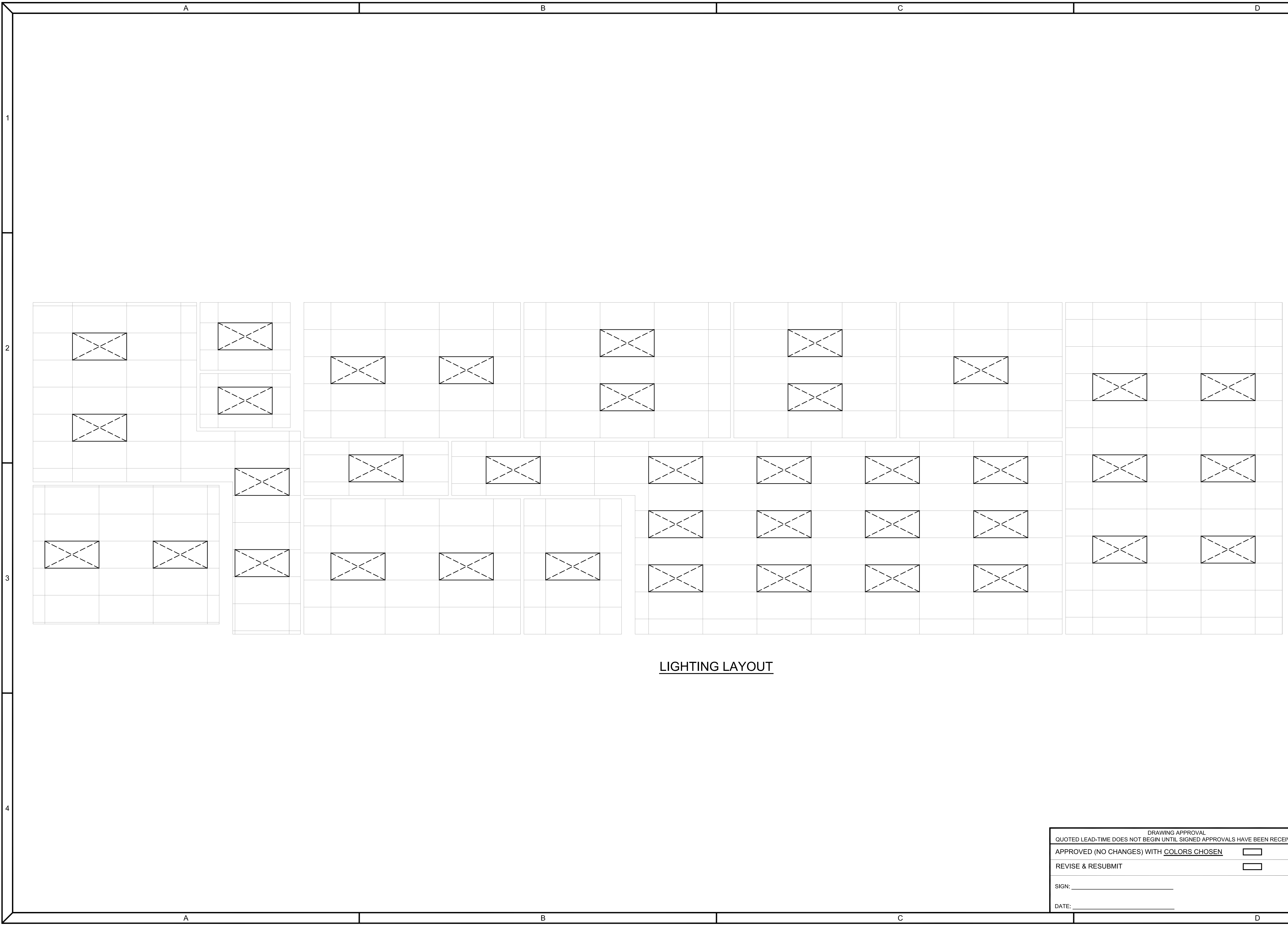
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302 BEASLEY STREET
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LENGTH ± 1/8", > 10'-0" ± 1/4"
HOLES ± 1/16"

PAGE: N-4



LIGHTING LAYOUT

LEGEND	
	TELE/DATA PREP
	SWITCH
	DUPLEX RECEPTACLE
	WINDOW
	DOOR
	EXTENDED COLUMN
	COLUMN
	I BEAM (STRUCTURAL)
	COLD ROLLED MEMBER
	1-1/2\"x1-1/2\"X11 GA RAILING
	K-SERIES BAR JOIST

JOB NUMBER: 11580
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APPROVED (NO CHANGES) WITH COLORS CHOSEN

REVISE & RESUBMIT

SIGN: _____

DATE: _____

LENGTH ± 1/8", > 10'-0" ± 1/4"
 HOLES ± 1/16"

PAGE: N-3

PROJECT CRITERIA:

NAME OF DEVELOPMENT:
SBM WAREHOUSE

LOCATION OF DEVELOPMENT:
GEORGETOWN, GUYANA

TOTAL INTERIOR FINISHED AREA IN SQUARE FEET:
2325 SQ FT

USE OF STRUCTURE:
IN-PLANT

APPLICABLE CODES:
2015 INTERNATIONAL BUILDING CODE
2015 INTERNATIONAL MECHANICAL CODE
2015 UNIFORM PLUMBING CODE
ICC A117.1-2009 ACCESSIBLE AND USABLE BUILDING AND FACILITIES
2015 INTERNATIONAL FIRE CODE
2015 NATIONAL ELECTRICAL CODE
2008 NEC WITH 2014 WAC RULES

TYPE OF CONSTRUCTION:
TYPE IIB

WALL DESIGN:
PARTITION LATERAL LOAD: 5 P.S.F.

ROOF DESIGN:
ROOF SHALL CONSISTS OF 22 GA STEEL, 3" N-DECK, AND SHALL BE DESIGNED PER THE STEEL DECK INSTITUTE. STEEL DECKING SHALL BE CAPABLE OF SUPPORTING CEILING AND LIGHTING
ROOF DEAD LOAD CALCULATIONS
STEEL DECK = 3 P.S.F.
CEILING = 3 P.S.F.
ELEC./MECH/FIRE PROT. = 3 P.S.F.
TOTAL DEAD LOAD = 9 P.S.F.
LIVE LOAD= 21 P.S.F.
TOTAL LOAD= 30 P.S.F.

SITE INSTALLED ITEMS:

BUILDING LOCATION, GEOMETRY, HEIGHT AND PLACEMENT ARE DICTATED BY THE CUSTOMER AND ARE NOT INCLUDED IN PANEL-BUILT SCOPE OF WORK.

FOUNDATION IS BY OTHERS AND SHALL BE DESIGNED BY A LOCAL DESIGN PROFESSIONAL.

ACCESSIBILITY: RAMPS, STEPS, AND OTHER MEANS OF INGRESS/EGRESS TO MEET ACCESSIBILITY REQUIREMENTS AS ENFORCED BY THE LOCAL AUTHORITY HAVING JURISDICTION IS BY OTHERS.

BINDER POST BUILDING NOTES:

- OVERALL HEIGHT IS 10'-3" (NOMINAL).
- PANELS ARE 3", 3-PLY, G/G AT 10'-0" HIGH
PANELS ARE 3", 3-PLY, FRP/FRP AT 10'-0" HIGH
PANELS ARE 3", 3-PLY, G/FRP AT 10'-0" HIGH

G = 1/2" VINYL COVERED GYPSUM

FRP = .090" STUCCO EMBOSSED FRP
- CEILING HEIGHT IS 8'-6" ABOVE FINISHED FLOOR.
- APPLICATION : INTERIOR BUILDING
(STRUCTURE NOT TO BE EXPOSED TO WIND OR THE ELEMENTS)
- COLORS: (PLEASE CHOOSE FROM THE FOLLOWING)

WALLS: WHITE CHAMPAGNE (CREAM) DOVE GRAY
FRP WALLS: WHITE (NO OPTIONS AVAILABLE)

DOORS: WHITE CHAMPAGNE (CREAM) DOVE GRAY BRONZE

WINDOWS: MATCHED TO WALLS

SLIDING WINDOWS: WHITE BRONZE

TRIM: MATCHED TO WALLS
- STANDARD HEIGHTS:

DUPLEX RECEPTACLE HEIGHT IS 18" ABOVE FINISHED FLOOR TO CENTER
TELE/DATA PREP HEIGHT IS 18" ABOVE FINISHED FLOOR TO CENTER
SWITCH HEIGHT IS 46" ABOVE FINISHED FLOOR TO CENTER
WINDOW HEIGHT IS 42" ABOVE FINISHED FLOOR TO BOTTOM SILL

PLEASE VERIFY END USER LOCATION AND NAME

MANUFACTURER:

PANEL-BUILT
302 BEASLEY ST.
BLAIRSVILLE, GA 30512
PHONE: 800-636-3873
FAX: 706-745-1450

DEALER:

US INDUSTRIAL CORP
5 EVERSLEY AVENUE
NORWALK, CT 06851
CONTACT: ANDREW ST JACQUES
PHONE: 203-540-5669

**END USER:
PACIFIC RIM CONSTRUCTORS**

LEGEND	
	TELE/DATA PREP
	SWITCH
	DUPLEX RECEPTACLE
	WINDOW
	DOOR
	EXTENDED COLUMN
	COLUMN
	I BEAM (STRUCTURAL)
	COLD ROLLED MEMBER
	1-1/2"x1-1/2"X11 GA RAILING
	K-SERIES BAR JOIST

JOB NUMBER: 11580	DRAWN BY: B. WATERHOUSE	CHECKED BY: K. TANNER	DATE: 3-27-2019
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DEALER: US INDUSTRIAL CORP	CUSTOMER: US INDUSTRIAL CORP
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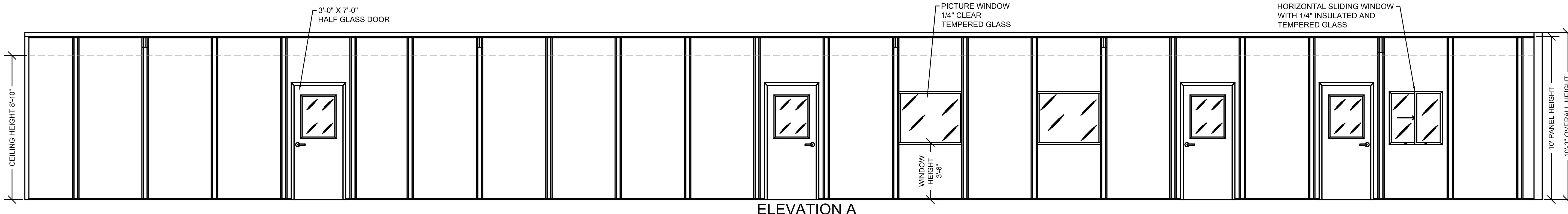
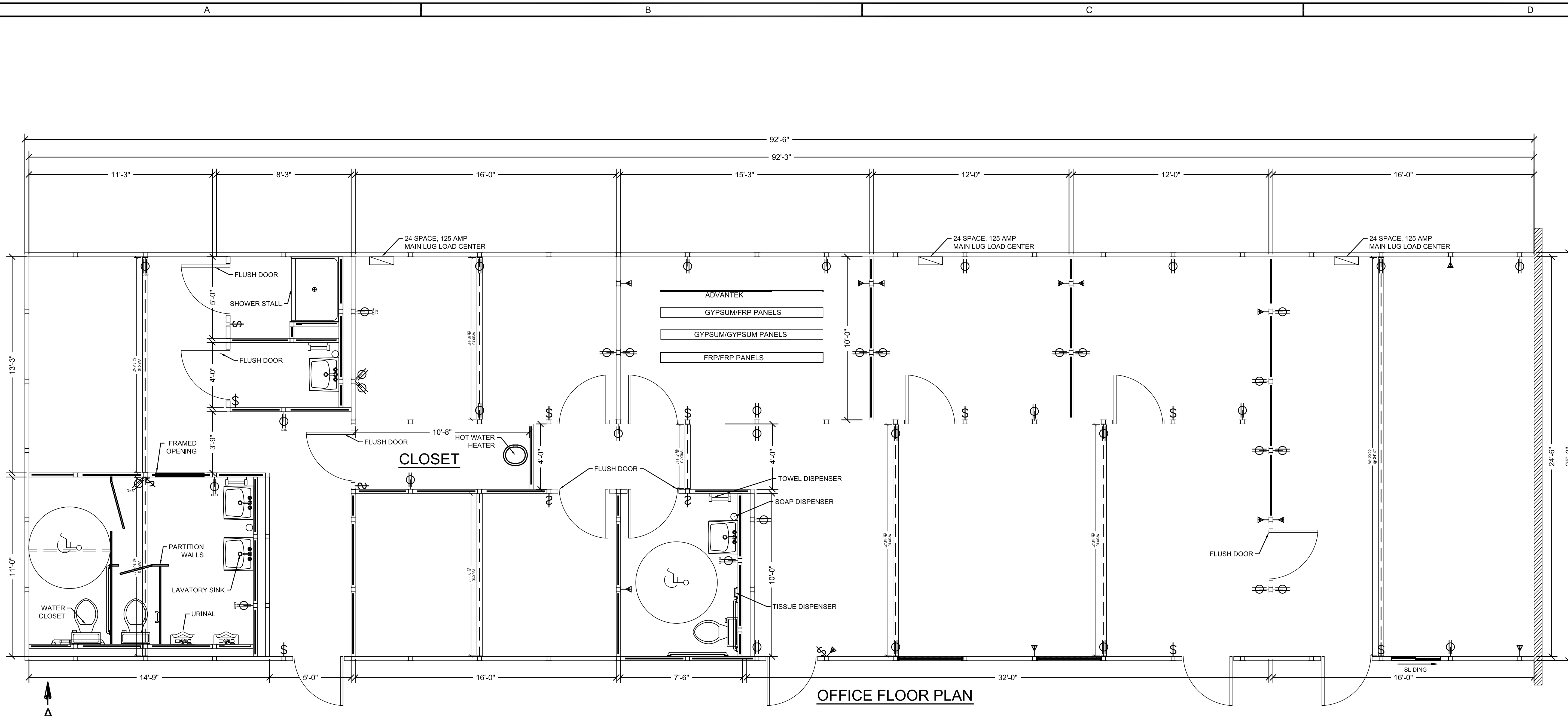
SHEET #: DRAWING TITLE:

- N-1 COVER SHEET
- N-2 FLOOR PLAN AND ELEVATION
- N-3 LIGHTING LAYOUT
- N-4 ELECTRICAL PANEL SCHEDULES

DRAWING APPROVAL			
QUOTED LEAD-TIME DOES NOT BEGIN UNTIL SIGNED APPROVALS HAVE BEEN RECEIVED			
APPROVED (NO CHANGES) WITH <u>COLORS CHOSEN</u>	<input type="checkbox"/>		
REVISE & RESUBMIT	<input type="checkbox"/>		
SIGN: _____			
DATE: _____			
REV #	DR. BY	DESCRIPTION OF REV	DATE

LENGTH ± 1/8", > 10'-0" ± 1/4"
HOLES ± 1/16"

PAGE: N-1



LEGEND	
	TELE/DATA PREP
	SWITCH
	DUPLEX RECEPTACLE
	WINDOW
	DOOR
	EXTENDED COLUMN
	COLUMN
	I BEAM (STRUCTURAL)
	COLD ROLLED MEMBER
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SIGN: _____

DATE: _____

LENGTH ± 1/8", > 10'-0" ± 1/4"
 HOLES ± 1/16"

PAGE: N-2

GENERAL STRUCTURAL NOTES (GSN)

CODES AND REFERENCES:

2015 EDITION OF THE INTERNATIONAL BUILDING CODE (IBC) SUPPLEMENTED WITH ASCE 7-10.

ALL CODE REFERENCES HEREFTER SHALL CORRESPOND TO THE FOLLOWING EDITIONS, U.N.O.:

Table with 2 columns: MATERIAL, CODE EDITION. Lists codes for concrete, reinforcing steel, and structural steel.

LOADS:

RISK CATEGORY = II

ROOF: ROOF LIVE LOAD = 20 PSF, ROOF COLLATERAL LOAD = 3 PSF, ROOF DEAD LOAD = 5.5 PSF.

OTHER ELEMENTS:

PARTITION WALLS EXCEEDING 6'-0" IN HEIGHT SHALL BE DESIGNED FOR 5 PSF LATERAL LOAD.

WIND:

WIND SPEED = 115 MPH, EXPOSURE C

SEISMIC:

IMPORTANCE FACTOR IE = 1.0, SS = 1.234, S1 = 0.430, SEISMIC SITE CLASS = E, SDS = 0.828, SD1 = 0.450, SEISMIC DESIGN CATEGORY = D, ANALYSIS PROCEDURE USED = EQUIVALENT LATERAL FORCE PROCEDURE

FOUNDATIONS:

GEOTECHNICAL REPORT SUPPLIED BY MIGIZI GROUP. DESIGN SOIL BEARING VALUE = 1000 PSF. REFER TO GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION PRIOR TO COMMENCEMENT OF EARTHWORK.

CONCRETE:

MINIMUM 28-DAY STRENGTH OF CONCRETE SHALL BE 4,000 PSI

ALL CONCRETE CONSTRUCTION SHALL CONFORM TO ACI. MECHANICALLY VBRATE ALL CONCRETE WHEN PLACED, EXCEPT THAT SLABS ON GRADE NEED BE VIBRATED ONLY AT TRENCHES, FLOOR DUCTS, TURNDOUNS, ETC. MAXIMUM SLUMP IS 4 1/2" FOR CONCRETE WITHOUT PLASTICIZER.

CAST CLOSURE POUR AROUND COLUMNS AFTER COLUMN DEAD LOAD IS APPLIED. UNLESS APPROVED OTHERWISE IN WRITING BY THE ENGINEER, ALL CONCRETE SLABS ON GRADE SHALL BE BOUND BY SAWCUT CONTROL JOINTS, CONSTRUCTION JOINTS OR EXPANSION JOINTS, AS SHOWN ON THE FOUNDATION PLAN, SUCH THAT THE ENCLOSED AREA DOES NOT EXCEED 225 SQUARE FEET.

FLY ASH:

FLY ASH, IF PERMITTED BY ENGINEER, SHALL BE LIMITED TO 18% OF CEMENTITIOUS MATERIALS AND SHALL HAVE A REPLACEMENT FACTOR OF 1.2 RELATIVE TO CEMENT REPLACED.

REINFORCING STEEL FOR CONCRETE:

USE ASTM A615, GRADE 60 (FY = 60 KSI), DEFORMED BARS FOR ALL BARS. ALL GRADE 60 REINFORCING TO BE WELDED SHALL BE ASTM A706. NO TACK WELDING OF REINFORCING BARS ALLOWED WITHOUT PRIOR REVIEW OF PROCEDURE WITH THE STRUCTURAL ENGINEER.

REINFORCING BAR SPACING GIVEN ARE MAXIMUM ON CENTERS. ALL BARS SHALL BE PER ACI SP-66, DOWEL ALL VERTICAL REINFORCING TO FOUNDATION WITH STANDARD 90-DEGREE HOOKS, U.N.O. SECURELY TIE ALL BARS IN LOCATION BEFORE PLACING CONCRETE.

LAP SPLICES IN CONCRETE:

LAP SPLICES, U.N.O., SHALL BE CLASS "B" TENSION LAP SPLICES PER ACI 318. STAGGER SPLICES A MINIMUM OF (1) LAP LENGTH. #8 BARS LAP LENGTH = 72". #5 BARS LAP LENGTH = 46".

ALL SPLICE LOCATIONS SUBJECT TO APPROVAL BY THE STRUCTURAL ENGINEER. PROVIDE BENT CORNER BARS TO MATCH AND LAP WITH HORIZONTAL BARS AT ALL CORNERS AND INTERSECTIONS PER TYPICAL DETAILS.

REINFORCING STEEL COVER:

ALL REINFORCING SHALL BE CHAIRED TO ENSURE PROPER CLEARANCES. CLEAR CONCRETE COVERAGES AS FOLLOWS:

Table with 2 columns: EXPOSURE, COVER. Lists cover requirements for earth, weather, and other conditions.

ADHESIVE DOWELS:

ALL ADHESIVE DOWELS SHALL HAVE CURRENT ICC APPROVAL FOR MATERIAL INTO WHICH INSTALLATION TAKES PLACE, SUCH AS HILTI HIT-RE 500-V3 (ICC ESR-3814) AND SIMPSON SET-36 (ICC ESR-4057) OR APPROVED EQUIVALENT.

REBAR COUPLERS:

REINFORCING BAR COUPLERS SHALL BE TYPE 2 MECHANICAL SPLICES PER ACI 318, AND SHALL BE ERICO LENTON "A2" STANDARD AND TRANSITION COUPLERS PER IAPMO REPORT ER-0129, OR APPROVED EQUIVALENT. SPECIAL INSPECTION IS REQUIRED.

FIBER REINFORCING:

FIBER-REINFORCED CONCRETE SHALL CONTAIN 1.5 POUNDS PER CY FIBERS SUCH AS "FIBERMESH 300" POLYPROPYLENE FIBRILLATED FIBERS BY PROPEX CONCRETE SYSTEMS, OR APPROVED EQUIVALENT. ADD TO CONCRETE MIX PER THE MANUFACTURER'S INSTRUCTIONS.

EXPANSION JOINT FILLER:

BITUMINOUS TYPE CONFORMING TO ASTM D1751.

CONTROL JOINT FILLER:

METGER/MCGUIRE RS-88 OR PRE-APPROVED EQUIVALENT. INSTALL A MINIMUM OF 30 DAYS AFTER SLAB POUR.

DRYPACK:

DRYPACK SHALL BE 5,000 PSI NON-SHRINK GROUT, FIVE STAR OR EQUIVALENT. INSTALL DRYPACK UNDER BEARING PLATES BEFORE FRAMING MEMBER IS INSTALLED.

STRUCTURAL STEEL:

ALL CONSTRUCTION SHALL BE PER AISC-SCM.

ALL STRUCTURAL STEEL SHALL BE AS FOLLOWS:

Table with 2 columns: TYPE, SPECIFICATION. Lists steel types like wide flange, h-pile, hollow square, etc.

BOLTS:

ALL BOLTS, ANCHOR BOLTS, EXPANSION BOLTS, ETC., SHALL BE INSTALLED WITH STEEL WASHERS AT SLOTTED HOLES IN STEEL SECTIONS, U.N.O. ALL BOLTS SHALL CONFORM TO ASTM A307, GRADE A, U.N.O.

ANCHOR RODS:

ALL ANCHOR RODS SHALL CONFORM TO ASTM F1554, GRADE 36, GALVANIZED] U.N.O.

HIGH-STRENGTH ANCHOR RODS:

ALL HIGH-STRENGTH ANCHOR RODS SHALL CONFORM TO ASTM F1554, GRADE 55, GALVANIZED. ALL GRADE 55 ANCHORS USED IN WELDED APPLICATIONS SHALL MEET THE REQUIREMENTS OF ASTM F1554, SUPPLEMENT S1.

EXPANSION BOLTS IN CONCRETE:

ALL EXPANSION BOLTS SHALL HAVE CURRENT ICC APPROVAL FOR MATERIAL INTO WHICH INSTALLATION TAKES PLACE, SUCH AS HILTI KWIK BOLT TZ (ICC ESR-1917) AND SIMPSON STRONG-BOLT 2 WEDGE ANCHOR (ICC ESR-3037) OR APPROVED EQUIVALENT.

ADHESIVE ANCHORS IN CONCRETE:

ALL ADHESIVE ANCHORS SHALL HAVE CURRENT ICC APPROVAL FOR MATERIAL INTO WHICH INSTALLATION TAKES PLACE, SUCH AS HILTI HIT-RE 500-V3 (ICC ESR-3814 OR APPROVED EQUIVALENT. THREADED RODS SHALL BE GALVANIZED OR STAINLESS STEEL.

HIGH-STRENGTH BOLTS:

ALL HIGH-STRENGTH BOLTS SHALL CONFORM TO ASTM A325 AND SHALL BE INSTALLED AS BEARING-TYPE CONNECTIONS WITH THREADS INCLUDED IN SHEAR PLANE (I.E. A TYPE "N" CONNECTION). HIGH-STRENGTH BOLTS SHALL BE SNUG-TIGHT, TYPICAL, U.N.O. AN INDEPENDENT TESTING LABORATORY SHALL INSPECT ALL HIGH-STRENGTH BOLTING.

WELDING:

WELDERS HOLDING VALID AWS CERTIFICATES AND HAVING CURRENT EXPERIENCE IN THE TYPE OF WELD SHOWN ON THE DRAWINGS OR NOTES SHALL PERFORM ALL WELDING. CERTIFICATES SHALL BE THOSE ISSUED BY AN ACCEPTED TESTING AGENCY.

ALL WELDING DONE BY E70 SERIES LOW HYDROGEN RODS, U.N.O. FOR GRADE 60 REINFORCING BARS, USE E90 SERIES. ALL WELDING SHALL BE PER LATEST AWS STANDARDS.

THESE DRAWINGS DO NOT DISTINGUISH BETWEEN SHOP AND FIELD WELDS; THE CONTRACTOR MAY SHOP WELD OR FIELD WELD AT THEIR DISCRETION. SHOP WELDS AND FIELD WELDS SHALL BE SHOWN ON THE SHOP DRAWINGS SUBMITTED FOR REVIEW. ALL FULL/COMPLETE PENETRATION WELDS SHALL BE TESTED AND CERTIFIED BY AN INDEPENDENT TESTING LABORATORY.

PRE-ENGINEERED BUILDING DESIGN CRITERIA:

THE MANUFACTURER SHALL MEET THE ACCREDITATION CRITERIA FOR INSPECTION PROGRAMS FOR MANUFACTURERS OF METAL BUILDING SYSTEMS (AC472).

- 1. PRE-ENGINEERED BUILDING MANUFACTURER SHALL BE RESPONSIBLE FOR THE ENTIRE DESIGN OF THE STEEL SUPERSTRUCTURE, ROOF, DECK, FASCIAS, SUPPORT, BRACING, LATERAL ANALYSIS AND ALL RELATED WORK. [TENSION-ONLY BRACING SHALL MEET THE REQUIREMENTS OF THE CITY OF TACOMA AMENDMENTS TO THE IBC, SECTION 2.02.190 (ADDITION OF IBC SECTION 1613.8).]
2. THE ENTIRE SUPERSTRUCTURE, INCLUDING THE ROOF DECK, SHALL BE DESIGNED IN ACCORDANCE WITH THE BUILDING CODE. WIND UPLIFT PRESSURES FOR ENCLOSED AND UNENCLOSED BUILDING AREAS SHALL BE CONSIDERED IN ACCORDANCE WITH THE CODE.
3. THE PRE-ENGINEERED BUILDING SHALL BE DESIGNED TO SUPPORT SELF WEIGHT PLUS SUPERIMPOSED DEAD, LIVE, WIND AND/OR SEISMIC LOADING, WHICHEVER COMBINATION PRODUCES THE MOST SEVERE CONDITION, IN ACCORDANCE WITH THE LATEST RECOMMENDATIONS OF THE METAL BUILDING MANUFACTURER'S ASSOCIATION. CONTRACTOR SHALL SUBMIT DESIGN CALCULATIONS AND SHOP DRAWINGS FOR REVIEW PRIOR TO MANUFACTURE. A REGISTERED ENGINEER SHALL SEAL CALCULATIONS AND SHOP DRAWINGS. SHOP DRAWINGS SHALL SHOW ALL INFORMATION INCLUDING, BUT NOT LIMITED TO, FOUNDATION REACTIONS, DIMENSIONS, MEMBER SIZES AND PROPERTIES, FRAMING PLANS, SECTIONS AND ALL PERTINENT DETAILS.
4. STEEL PURLIN TYPE AND SPACING AND STEEL DECK SELECTION SHALL BE THE OPTION OF THE PRE-ENGINEERED BUILDING MANUFACTURER WITH APPROVAL OF ENGINEER.
5. PRE-ENGINEERED BUILDING MANUFACTURER SHALL DESIGN AND SUPPLY ALL REQUIRED SUB-FRAMING FOR OPENINGS, INCLUDING FRAMING TO SUPPORT THE WEIGHT OF MECHANICAL EQUIPMENT.
6. PRE-QUALIFIED CONNECTIONS PER AISC 358 INCLUDING SUPPLEMENT 1 SHALL BE USED FOR ALL INTERMEDIATE AND SPECIAL MOMENT FRAMES. IF A MOMENT CONNECTION OTHER THAN A PRE-QUALIFIED CONNECTION IS USED, THE BUILDING MANUFACTURER SHALL SUBMIT TEST DATA OR OTHER CERTIFICATION APPROVED BY THE BUILDING JURISDICTION.
7. ANCHOR RODS AT FRAME COLUMNS SHALL BE HIGH-STRENGTH ANCHOR RODS AS LISTED IN THESE NOTES. ASTM A307 BOLTS SHALL NOT BE USED AS ANCHOR RODS UNLESS SPECIFICALLY AUTHORIZED IN WRITING BY THE ENGINEER.

SHOP DRAWINGS:

SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL STRUCTURAL ITEMS. B THE CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS PRIOR TO SUBMITTAL. ITEMS NOT IN ACCORDANCE WITH CONTRACT DOCUMENTS SHALL BE FLAGGED UPON CONTRACTOR'S REVIEW.

VERIFY ALL DIMENSIONS WITH EXISTING CONDITIONS.

MANUFACTURER OR FABRICATOR SHALL CLOUD ANY CHANGES, SUBSTITUTIONS, OR DEVIATIONS FROM CONTRACT DOCUMENTS. ANY OF THE FOREMENTIONED WHICH ARE NOT CLOUDED OR FLAGGED BY SUBMITTING PARTIES, SHALL NOT BE CONSIDERED APPROVED AFTER ENGINEER'S REVIEW, U.N.O.

THE ENGINEER HAS THE RIGHT TO APPROVE OR DISAPPROVE ANY CHANGES TO CONTRACT DOCUMENTS AT ANY TIME BEFORE OR AFTER SHOP DRAWING REVIEW.

THE SHOP DRAWINGS DO NOT REPLACE THE CONTRACT DOCUMENTS. ITEMS OMITTED OR SHOWN INCORRECTLY AND ARE NOT FLAGGED BY THE STRUCTURAL ENGINEER SHALL NOT BE CONSIDERED CHANGES TO CONTRACT DOCUMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE ITEMS ARE CONSTRUCTED TO CONTRACT DOCUMENTS.

THE ADEQUACY OF ENGINEERING DESIGNS AND LAYOUT PERFORMED BY OTHERS RESTS WITH THE DESIGNING OR SUBMITTING AUTHORITY.

REVIEWING IS INTENDED ONLY AS AN AID TO THE CONTRACTOR IN OBTAINING CORRECT SHOP DRAWINGS. CONTRACTOR HAS THE RESPONSIBILITY OF THE CORRECTNESS OF ALL APPROVAL DRAWINGS.

GENERAL:

THE STRUCTURAL CONSTRUCTION DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT ARE NOT LIMITED TO BRACING AND SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. THE STRUCTURAL ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURE OF CONSTRUCTION, OR THE SAFETY PRECAUTIONS AND THE PROGRAMS INCIDENT THERETO NOR SHALL OBSERVATION VISITS TO THE SITE INCLUDE INSPECTION OF THESE ITEMS.

CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED CONSTRUCTION. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT.

WHERE REFERENCE IS MADE TO VARIOUS TEST STANDARDS OR MATERIALS, SUCH STANDARDS SHALL BE THE LATEST EDITION AND/OR ADDENDA, U.N.O.

ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL WITH APPROPRIATE TRADES, DRAWINGS AND SUBCONTRACTORS PRIOR TO CONSTRUCTION.

OPTIONS ARE FOR CONTRACTOR'S CONVENIENCE. IF AN OPTION IS CHOSEN, CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY CHANGES AND SHALL COORDINATE ALL DETAILS.

NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT.

CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL DIMENSIONS [WITH ARCHITECTURAL DRAWINGS] PRIOR TO START OF CONSTRUCTION. RESOLVE ANY DISCREPANCY WITH THE [ARCHITECT] [OWNER] [ENGINEER].

TYPICAL DETAILS MAY NOT NECESSARILY BE CUT ON PLANS, BUT APPLY, U.N.O.

WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL STRUCTURAL NOTES AND/OR SPECIFICATIONS, THE GREATER REQUIREMENTS SHALL GOVERN.

ANY ENGINEERING DESIGN, PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW, SHALL BEAR THE SEAL OF A REGISTERED ENGINEER RECOGNIZED BY THE BUILDING CODE JURISDICTION OF THIS PROJECT.

SPECIAL STRUCTURAL INSPECTION:

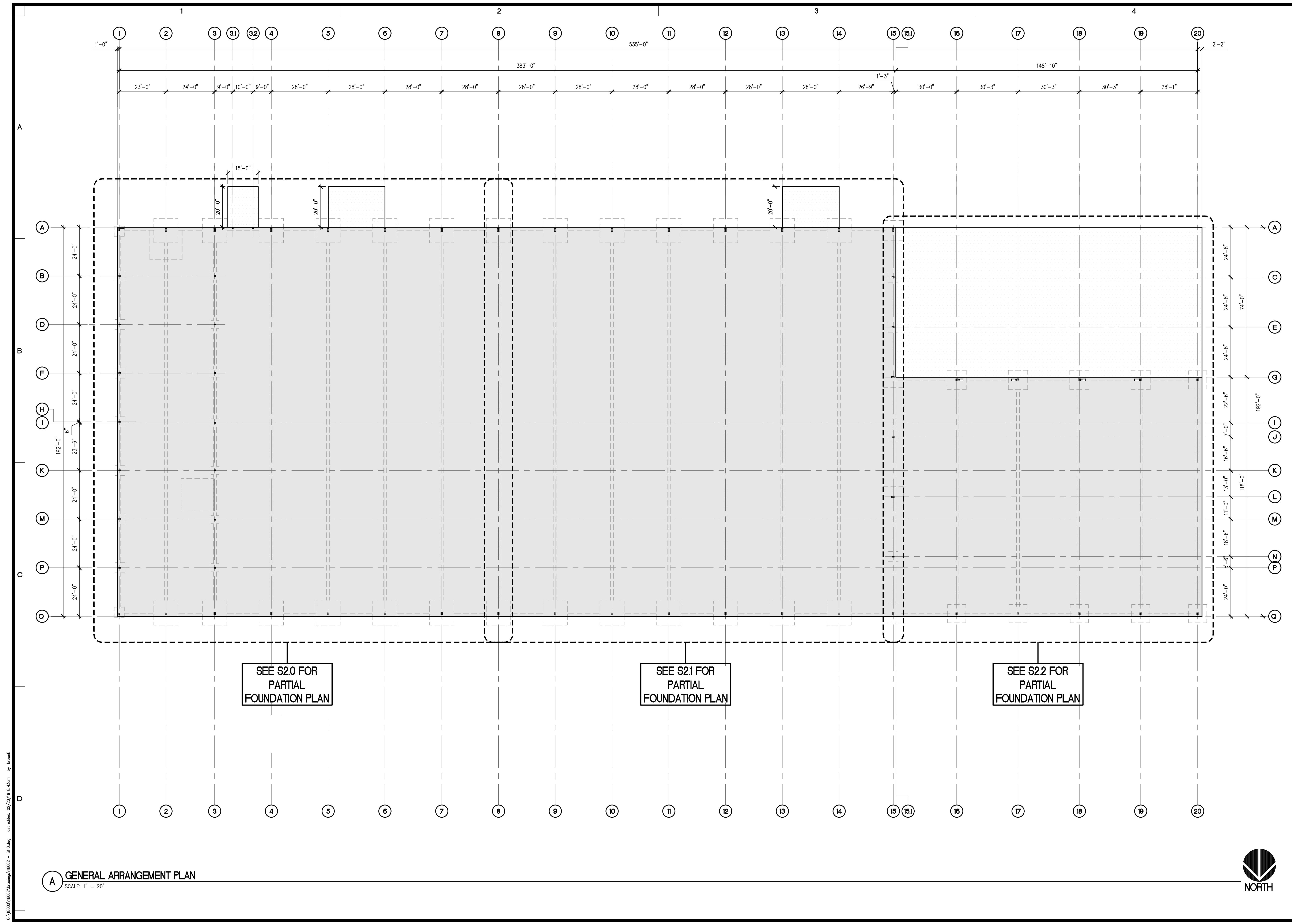
SPECIAL INSPECTION IS TO BE PROVIDED FOR THE ITEMS LISTED BELOW IN ADDITION TO THE INSPECTIONS CONDUCTED BY THE BUILDING SAFETY DEPARTMENT. "SPECIAL STRUCTURAL INSPECTION" SHALL NOT RELIEVE THE OWNER OR THEIR AGENT FROM REQUESTING THE INSPECTIONS REQUIRED BY IBC SECTION 110.3. SPECIAL INSPECTION IS REQUIRED PER SECTIONS 1704 AND 1705 FOR THE FOLLOWING:

- 1. CONCRETE:
A) DURING THE TAKING OF TEST SPECIMENS.
B) DURING THE PLACEMENT OF ALL REINFORCED CONCRETE, U.N.O.
C) VERIFICATION OF CURING TEMPERATURE AND TECHNIQUE (PERIODIC).
D) NO INSPECTION IS REQUIRED FOR SLABS ON GRADE.
2. BOLTS IN CONCRETE:
A) DURING THE PLACING OF CONCRETE AROUND BOLTS.
3. REINFORCING STEEL (PERIODIC):
A) DURING THE PLACING OF REINFORCING STEEL FOR ALL CONCRETE REQUIRED TO HAVE SPECIAL INSPECTION NOTED ABOVE.
4. EPOXY AND ADHESIVE ANCHORS:
A) DURING THE PLACEMENT OF ALL ANCHORS.
5. WELDING:
A) VISUAL INSPECTION OF ALL FIELD WELDS.
B) NON-DESTRUCTIVE TESTING OF ALL COMPLETE PENETRATION WELDS.
6. DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR:
A) HE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED TO BE CERTAIN IT CONFORMS TO THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS.
B) PER IBC SECTION 1704.2.4: THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL AND TO THE ENGINEER OF RECORD. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF UNCORRECTED TO THE DESIGN AUTHORITY AND THE BUILDING OFFICIAL. SUBMIT A FINAL REPORT AS REQUIRED.
C) UPON COMPLETION OF THE ASSIGNED WORK, THE ENGINEER SHALL COMPLETE AND SIGN THE APPROPRIATE FORMS CERTIFYING THAT, TO THE BEST OF THEIR KNOWLEDGE, THE WORK IS IN CONFORMANCE WITH THE APPROVED PLANS, SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE CODE.

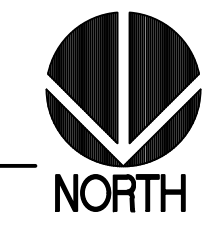
FOR ADDITIONAL INFORMATION ON SPECIAL STRUCTURAL INSPECTIONS, CONTACT STRUCTURAL ENGINEER PRIOR TO START OF CONSTRUCTION.

Vertical sidebar containing project information: PROJECT: PACIFIC RIM CONTRACTORS WAREHOUSE, GUYANA; SHEET TITLE: GENERAL STRUCTURAL NOTES; SHEET NO: 50.1; PROJECT NO: 18062. Also includes logos for Sitts & Hill Engineers, Inc. and Bruce Dunn Architect.

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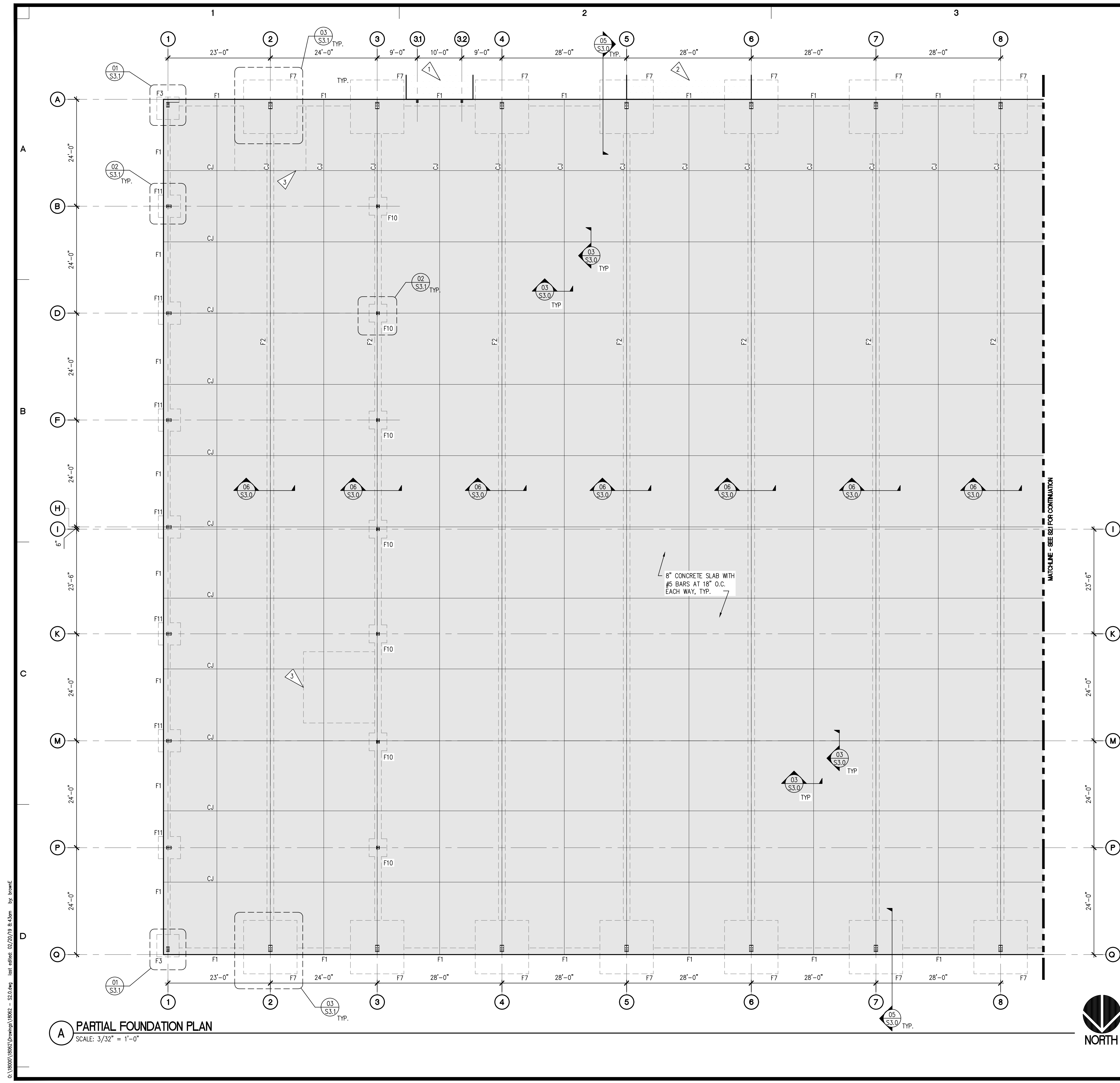


A GENERAL ARRANGEMENT PLAN
SCALE: 1" = 20'



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<p>DESIGNED: EAB DRAWN: LAM CHECKED: LGL DATE: 01/19/19 SCALE: AS NOTED</p>	<p>APPROVALS</p> <p>REVISIONS</p>
<p>SITTS & HILL ENGINEERS, INC. CIVIL • STRUCTURAL • SURVEYING 4815 CENTER STREET TACOMA, WA 98409 PHONE: (253) 474-9449 FAX: (253) 474-0153 http://www.sittshill.com</p>	
<p>PREPARED FOR</p> <p>BRUCE DUNN ARCHITECT 5401 N YACHT CLUB ROAD TACOMA, WA 98407</p>	<p>PROJECT</p> <p>PACIFIC RIM CONTRACTORS WAREHOUSE GUYANA</p> <p>SHEET TITLE</p> <p>GENERAL ARRANGEMENT PLAN</p> <p>SHEET NO.</p> <p>S10</p> <p>PROJECT NO.</p> <p>18062</p>



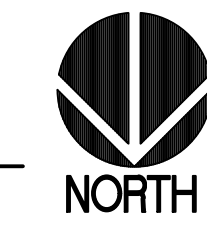
FOUNDATION PLAN NOTES:

- FOR GENERAL STRUCTURAL NOTES (GSN) SEE DRAWING S0.1.
- SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION. COORDINATE AS REQUIRED.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS OF EXISTING CONSTRUCTION WHICH AFFECT NEW CONSTRUCTION PRIOR TO SUBMITTAL OF SHOP DRAWINGS. SHOP DRAWINGS WITHOUT FIELD VERIFICATION OF DIMENSIONS SHALL BE REJECTED.
- SEE SHEET S3.0 FOR TYPICAL CONCRETE DETAILS.
- CONCRETE C.J. AS SHOWN ON PLAN INDICATES LOCATION OF EITHER KEYED OR SAWCUT CONTROL JOINT IN SLAB ON GRADE AT CONTRACTOR'S OPTION. SEE C.S.N. AND DETAIL 03/S3.0 FOR ADDITIONAL INFORMATION.
- F1, F2, ETC. INDICATES SPREAD FOOTING TYPE. SEE FOOTING SCHEDULE ON SHEET S3.0

- 1 8" THICK x15'-0" WIDE X 20'-0" LONG CONCRETE APRON CENTERED BETWEEN GRIDS. REINFORCING TO BE #5 @ 18" O.C. EACH WAY
- 2 8" THICK x28'-0" WIDE X 20'-0" LONG CONCRETE APRON. REINFORCING TO BE #5 @ 18" O.C. EACH WAY
- 3 THICKEN SLAB TO 12" IN A 16'-0"x16'-0" AREA AT VERTICAL STORAGE UNIT LOCATIONS. REINFORCING TO BE #8 AT 12" O.C. EACH WAY BOTTOM MAT AND #5 AT 12" O.C. EACH WAY TOP MAT

8" CONCRETE SLAB WITH #5 BARS AT 18" O.C. EACH WAY, TYP.

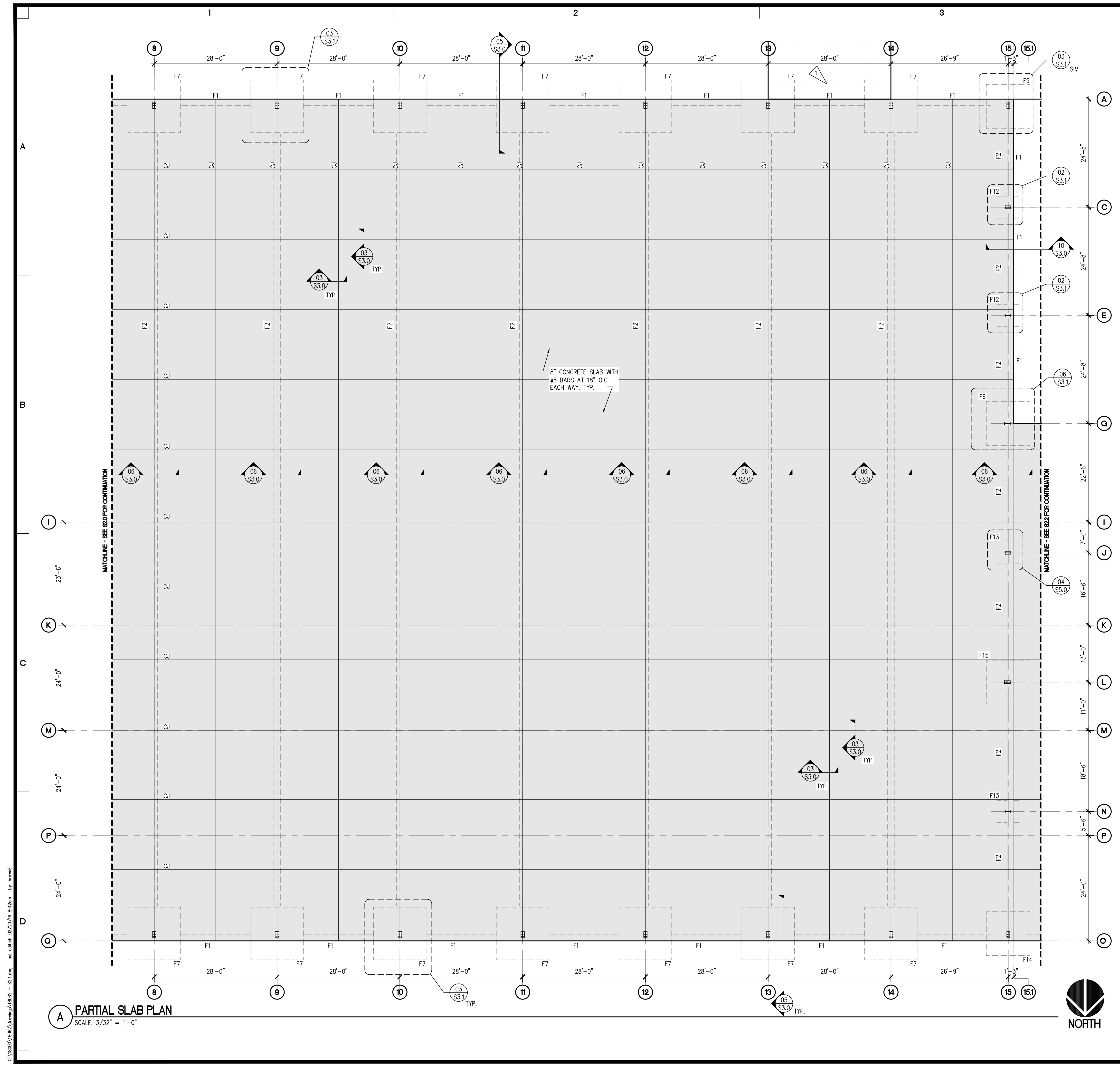
MATCHLINE - SEE S2 FOR CONTINUATION



A PARTIAL FOUNDATION PLAN
SCALE: 3/32" = 1'-0"

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PROJECT PACIFIC RIM CONTRACTORS WAREHOUSE GUYANA SHEET TITLE PARTIAL FOUNDATION PLAN SHEET NO. S2.0 PROJECT NO. 18062	PREPARED FOR BRUCE DUNN ARCHITECT 5401 N YACHT CLUB ROAD TACOMA, WA 98407	DESIGNED DRAWN CHECKED DATE SCALE	APPROVALS DESIGNED DRAWN CHECKED DATE SCALE	REVISIONS <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>											SEAL SITTS & HILL ENGINEERS, INC. CIVIL • STRUCTURAL • SURVEYING 4815 CENTER STREET TACOMA, WA 98409 PHONE: (253) 471-0449 FAX: (253) 474-0153 http://www.sittshill.com



FOUNDATION PLAN NOTES:

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2. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION. COORDINATE AS REQUIRED.
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4. SEE SHEET S3.0 FOR TYPICAL CONCRETE DETAILS.
5. CONCRETE C.J., AS SHOWN ON PLAN INDICATES LOCATION OF EITHER KEYED OR SAWCUT CONTROL JOINT IN SLAB ON GRADE AT CONTRACTOR'S OPTION. SEE G.S.N. AND DETAIL 03/S3.0 FOR ADDITIONAL INFORMATION.
6. F1, F2, ETC. INDICATES SPREAD FOOTING TYPE. SEE FOOTING SCHEDULE ON SHEET S3.0

▽ 8" THICK x28'-0" WIDE X 20'-0" LONG CONCRETE APRON. REINFORCING TO BE #5 @ 18" O.C. EACH WAY

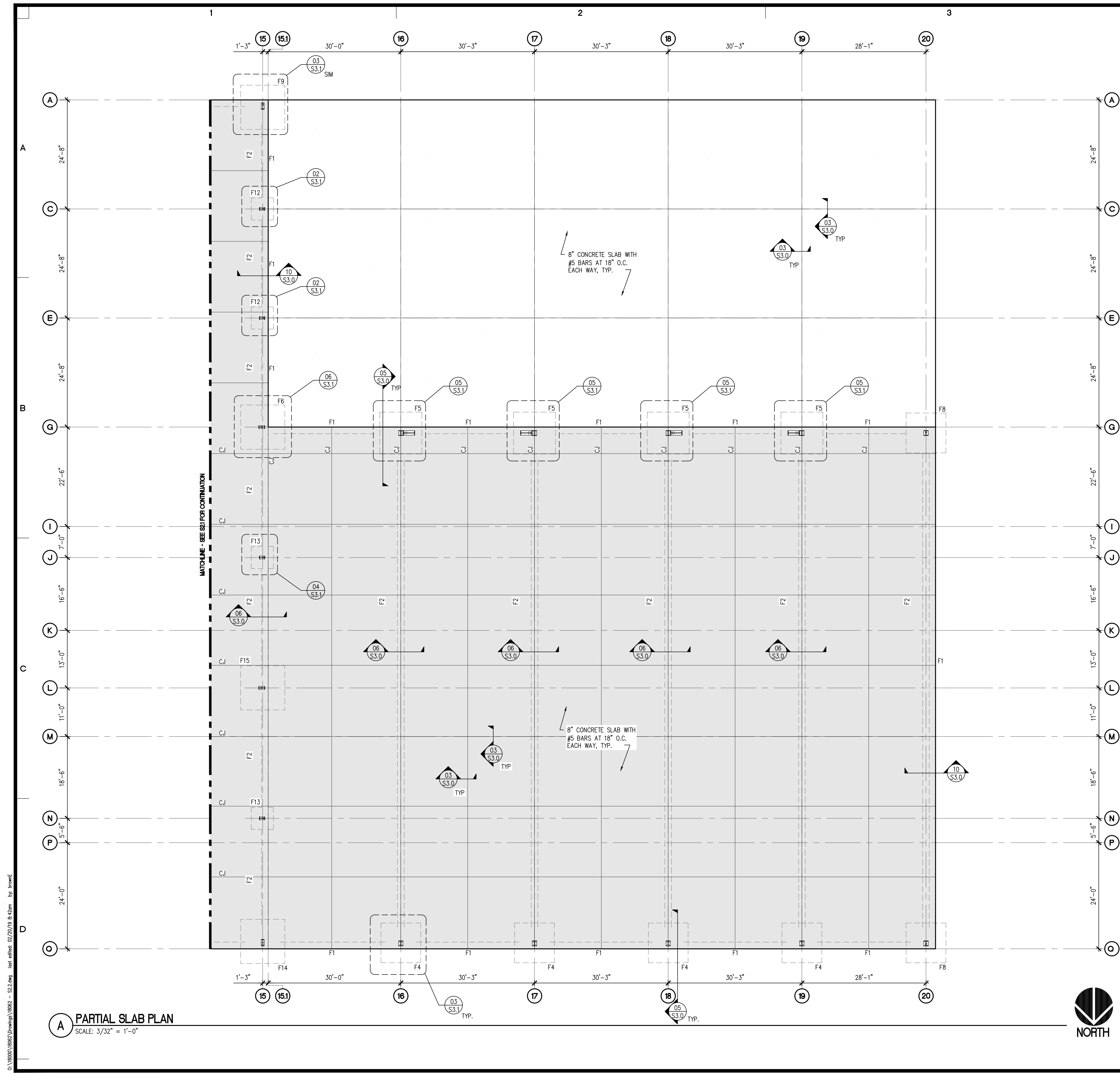
8" CONCRETE SLAB WITH #5 BARS AT 18" O.C. EACH WAY, TYP.

A PARTIAL SLAB PLAN
SCALE: 3/32" = 1'-0"



PROJECT PACIFIC RIM CONTRACTORS WAREHOUSE GUYANA	SHEET TITLE PARTIAL SLAB PLAN	SHEET NO. S2.1	PROJECT NO. 18062	PREPARED FOR BRUCE DUNN ARCHITECT	5401 N YACHT CLUB ROAD TACOMA, WA 98407		DESIGNED EAB	CHECKED LGL	DATE 01/18/19	SCALE AS NOTED
							DRAWN LAM	APPROVED LGL	AS NOTED	

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- FOUNDATION PLAN NOTES:**
- FOR GENERAL STRUCTURAL NOTES (GSN) SEE DRAWING S0.1.
 - SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION. COORDINATE AS REQUIRED.
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 - SEE SHEET S3.0 FOR TYPICAL CONCRETE DETAILS.
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 - F1, F2, ETC. INDICATES SPREAD FOOTING TYPE. SEE FOOTING SCHEDULE ON SHEET S3.0

A PARTIAL SLAB PLAN
SCALE: 3/32" = 1'-0"



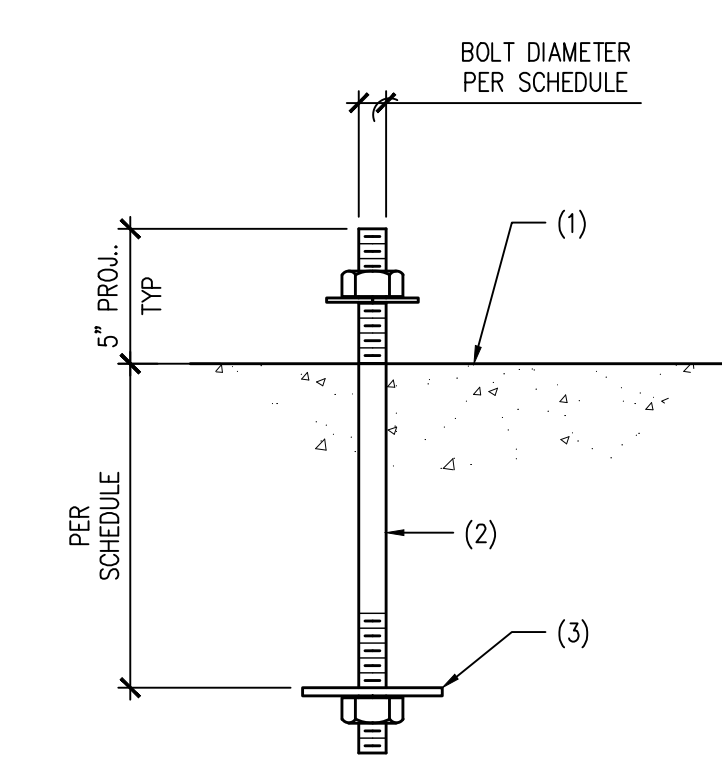
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DESIGNED EAB	DRAWN LAM	CHECKED LGL	DATE 01/19/19	SCALE AS NOTED	REVISIONS
PREPARED BY SITTS & HILL ENGINEERS, INC. CIVIL • STRUCTURAL • SURVEYING 4815 CENTER STREET TACOMA, WA 98409 PHONE: (253) 471-0449 FAX: (253) 474-0153 http://www.sittshill.com					
PROJECT PACIFIC RIM CONTRACTORS WAREHOUSE GUYANA SHEET TITLE PARTIAL SLAB PLAN SHEET NO.					
PREPARED FOR BRUCE DUNN ARCHITECT 5401 N YACHT CLUB ROAD TACOMA, WA 98407					
PROJECT NO. 18062					

FOOTING TYPE	W	L	T	A	B	BAR A	BAR B	BAR C	BOLTS PER DETAIL 02/S3.0	FOR ADDITIONAL CALLOUTS SEE DETAIL	COMMENTS
F1	1'-6"	CONTINUOUS	10"	-	-	(2) #5 BARS CONTINUOUS	-	-	-	04/S3.0	SEE DETAIL 10/S3.0 GRIDS 15 AND 20
F2	1'-4"	CONTINUOUS	10"	-	-	(3) #8 BARS CONTINUOUS	-	-	-	06/S3.0	SEE DETAIL 10/S3.0 GRIDS 15 AND 20
F3	5'-0"	5'-0"	1'-6"	2'-6"	0'-6"	(7) #5 BARS	(7) #5 BARS	(4) #5	(4) 3/4" DIA.	01/S3.1	
F4	9'-0"	9'-0"	1'-6"	4'-6"	3'-2"	(9) #8 BARS	(9) #8 BARS	(8) #5	(4) 1" DIA.	03/S3.1	
F5	9'-6"	9'-6"	1'-6"	4'-9"	3'-4"	(10) #8 BARS	(10) #8 BARS	(8) #5	(4) 1" DIA.	05/S3.1	(4) 1" ANCHORS FOR PORTAL FRAME
F6	10'-0"	10'-0"	1'-6"	5'-0"	5'-0"	(11) #8 BARS	(11) #8 BARS	(8) #5	(4) 3/4" DIA.	06/S3.1	
F7	12'-0"	12'-0"	1'-6"	6'-0"	4'-4"	(13) #8 BARS	(13) #8 BARS	(8) #5	(4) 1 1/2" DIA.	03/S3.1	
F8	9'-0"	9'-0"	1'-6"	4'-6"	3'-2"	(9) #8 BARS	(9) #8 BARS	(8) #5	(4) 3/4" DIA.	03/S3.1 SIM	
F9	10'-0"	10'-0"	1'-6"	5'-0"	3'-4"	(11) #8 BARS	(11) #8 BARS	(8) #5	(4) 3/4" DIA.	01/S3.1 SIM	
F10	4'-0"	4'-0"	1'-0"	2'-0"	2'-0"	(4) #5 BARS	(4) #5 BARS	-	(4) 3/4" DIA.	02/S3.1 SIM	
F11	5'-0"	5'-0"	1'-6"	2'-6"	2'-2"	(7) #5 BARS	(7) #5 BARS	(4) #5	(4) 3/4" DIA.	02/S3.1 SIM	
F12	5'-0"	5'-0"	1'-6"	2'-6"	2'-5"	(7) #5 BARS	(7) #5 BARS	(4) #5	(4) 3/4" DIA.	02/S3.1	
F13	5'-0"	5'-0"	1'-6"	2'-6"	1'-2"	(7) #5 BARS	(7) #5 BARS	(4) #5	(4) 3/4" DIA.	04/S3.1	
F14	10'-0"	10'-0"	1'-6"	5'-0"	3'-9"	(11) #8 BARS	(11) #8 BARS	(8) #5	(4) 1" DIA.	03/S3.1	
F15	10'-0"	10'-0"	1'-6"	5'-0"	3'-9"	(11) #8 BARS	(11) #8 BARS	(8) #5	(4) 3/4" DIA.	04/S3.1	

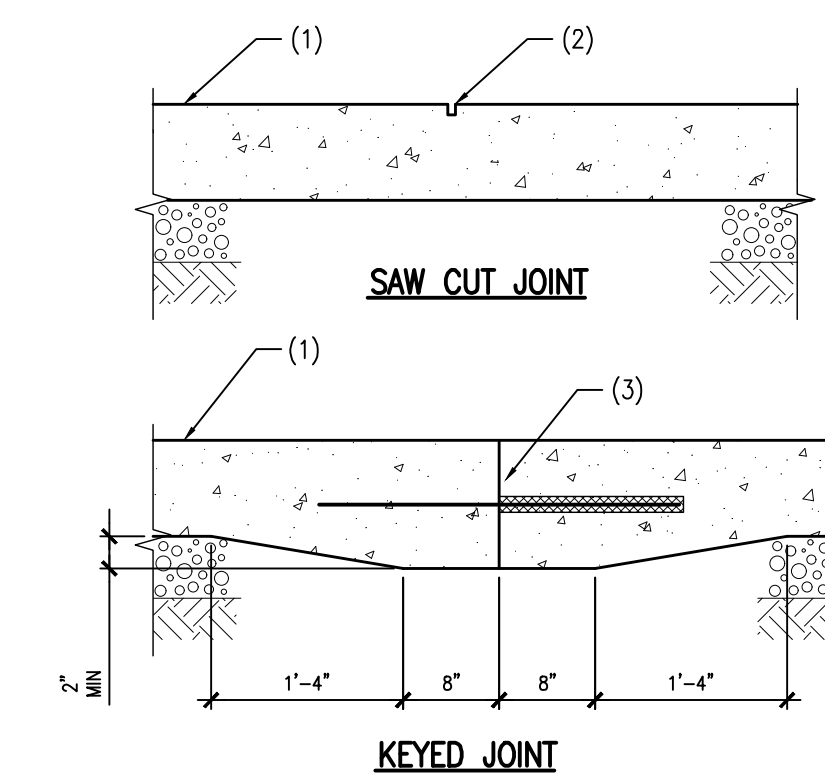
01 FOOTING SCHEDULE
SCALE: N.T.S.

02 ANCHOR BOLT DETAIL
SCALE: N.T.S.



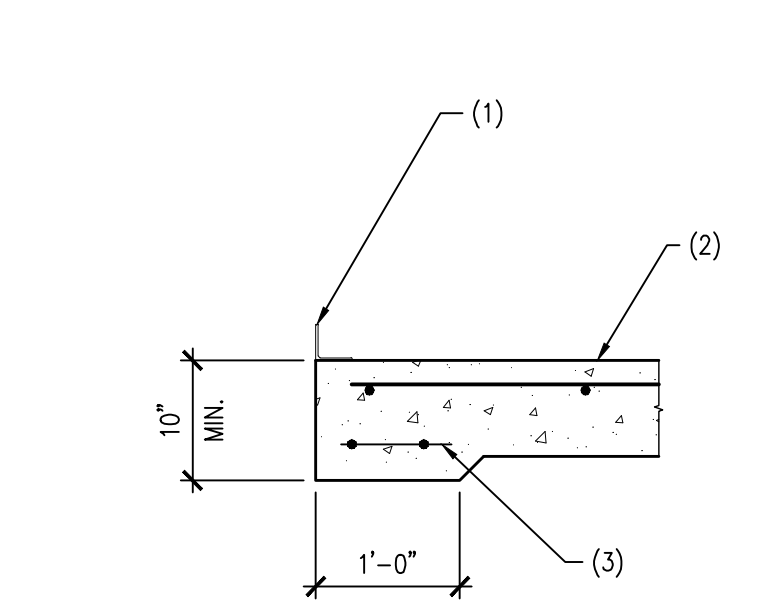
- NOTES:**
- TOP OF CONCRETE
 - ANCHOR BOLT PER SCHEDULE
 - 3/16" PLATE WASHER, DIAMETER = BOLT DIAMETER PLUS 1/4". MIN. SIZE 2"x2"

DIAMETER	EMBED DEPTH
3/4"	22"
1"	24"
1 1/2"	24"



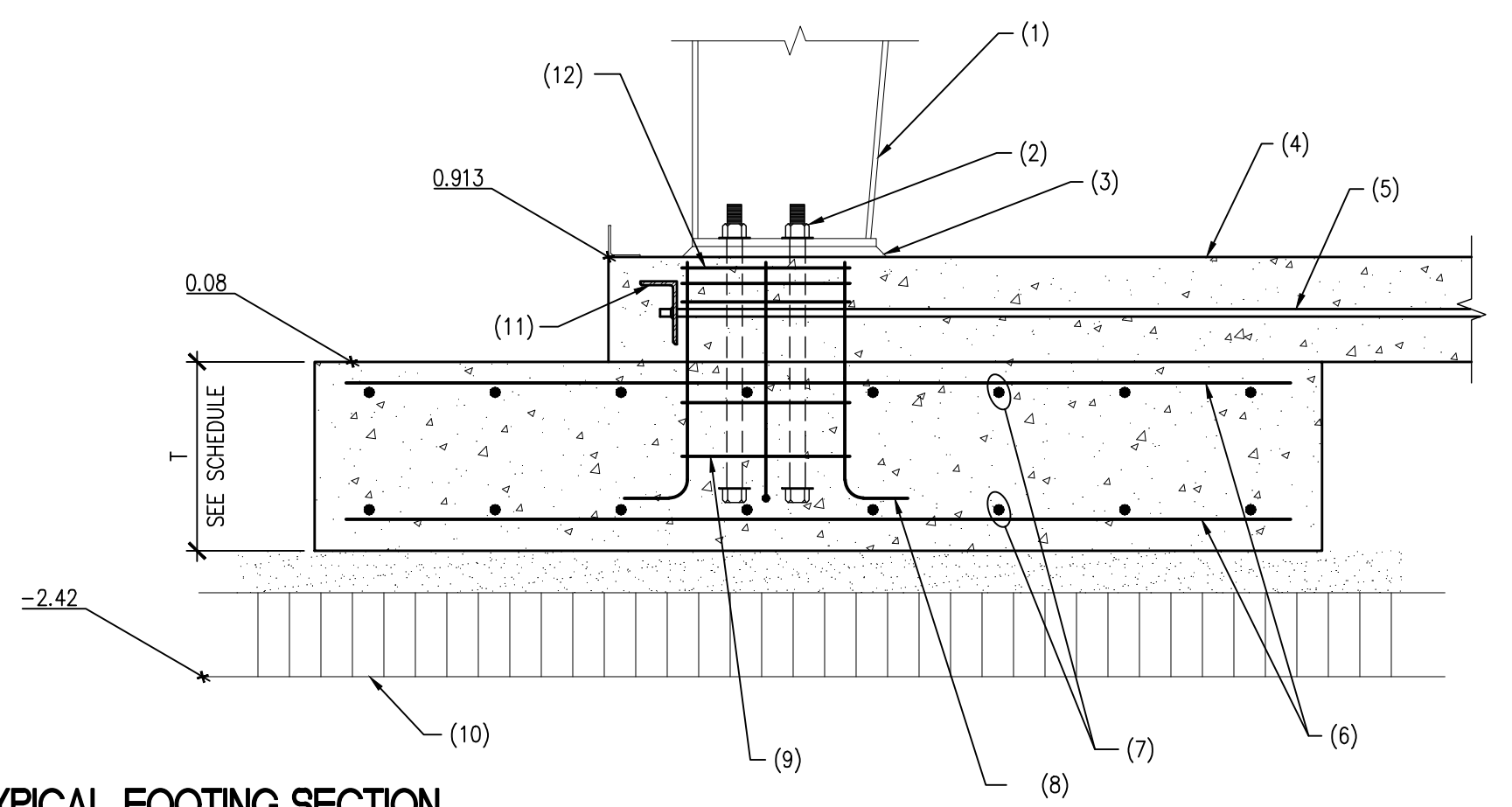
- NOTES:**
- CONCRETE SLAB ON GRADE
 - SAWCUT - 1/8" WIDE x 1/4" SLAB THICKNESS IN DEPTH - CUT SHALL BE MADE SOON ENOUGH TO PREVENT SHRINKAGE CRACKING, BUT NOT TO CAUSE SPALLING OF THE CONCRETE WHILE SAWING - WORK MUST BE ACCOMPLISHED WITHIN (24) HOURS OF CONCRETE PLACEMENT
 - #4x24" DOWEL AT 24" O.C. WRAP ONE END OF DOWEL WITH MASTIC CENTERED IN SLAB
- NOTES:**
- A. DOWELED JOINTS NEED ONLY OCCUR AT EXPOSED EDGES DURING PLACEMENT UNLESS SPECIFICALLY NOTED ON THE PLANS

03 ALT. CONTROL JOINTS (C.J.) IN CONCRETE SLAB ON GRADE
SCALE: N.T.S.



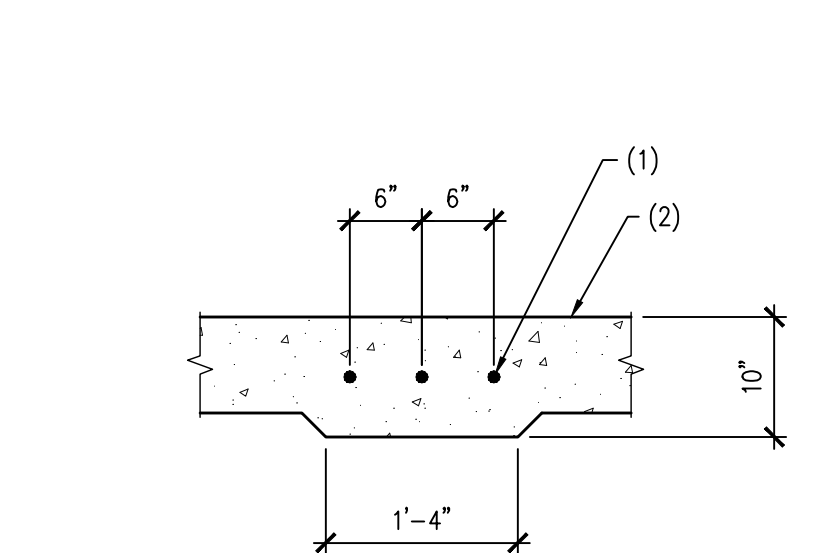
- NOTES:**
- EDGE ANGLE AS OCCURS BY METAL BUILDING MFR.
 - CONCRETE SLAB AND REINFORCING PER PLAN
 - (2)#5 BARS CONT.

04 TYPICAL EDGE FOOTING
SCALE: N.T.S.



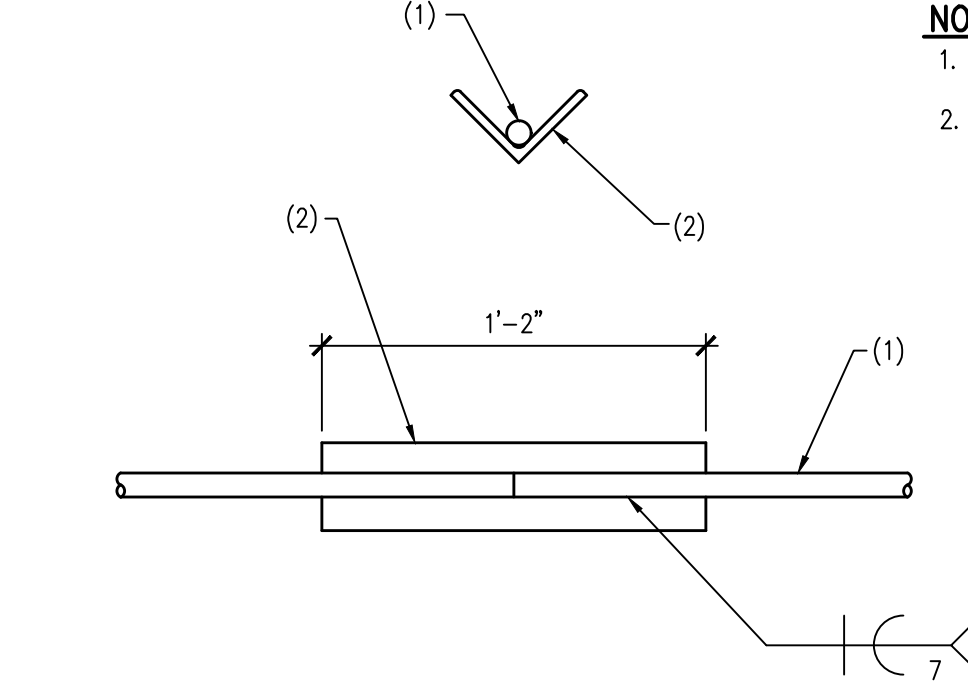
- NOTES:**
- BUILDING COLUMN
 - ANCHOR BOLTS. SEE SCHEDULE AND BUILDING MFR. PLANS
 - 1 1/2" NOM. GROUT
 - CONCRETE SLAB PER PLAN
 - CONTINUOUS CROSS-TIE REINFORCING AS OCCURS. SEE DETAIL 06/S3.0
 - BAR "A". SEE SCHEDULE
 - BAR "B". SEE SCHEDULE
 - BAR "C". SEE SCHEDULE
 - #3 TIES AT 10" O.C. SEE DETAIL 09/S3.0
 - GEO-CELL PER SOILS REPORT
 - L6x4x3/8 ANGLE, 24" LONG. SEE DETAIL 08/S3.0
 - (3) #3 TIES IN THE TOP 6"

05 TYPICAL FOOTING SECTION
SCALE: 3/4" = 1'-0"



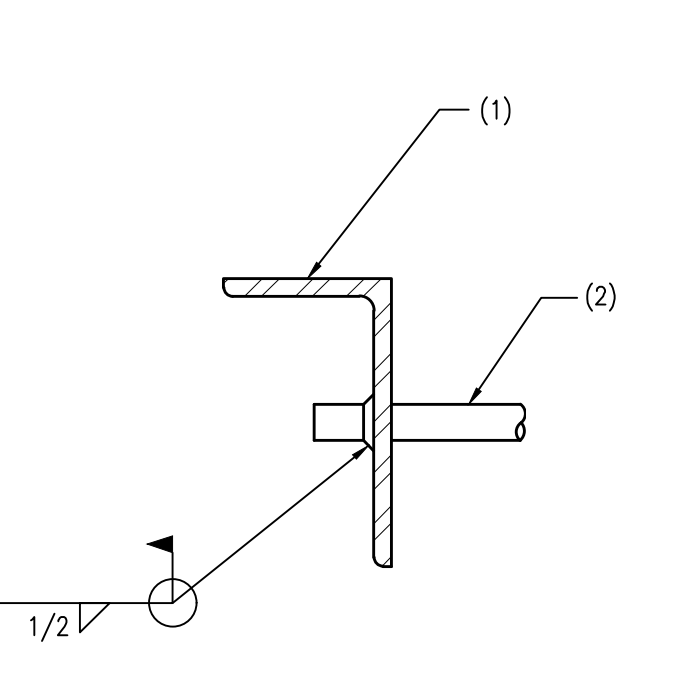
- NOTES:**
- (3) #8 BARS, CONTINUOUS. SPLICE AS REQ'D PER DETAIL 07/S3.0
 - THICKENED SLAB AT CROSS TIE LOCATIONS. SLAB REINFORCING NOT SHOWN FOR CLARITY

06 CROSS-TIE DETAIL
SCALE: N.T.S.



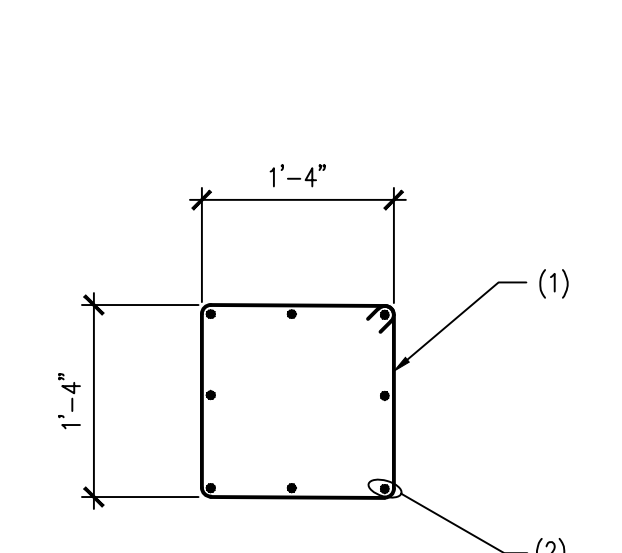
- NOTES:**
- CROSS TIE REBAR
 - L4x4x3/8" ANGLE SPICE PLATE. CENTER SPLICE ON ANGLE

07 OPTIONAL CROSS-TIE SPLICE DETAIL
SCALE: N.T.S.



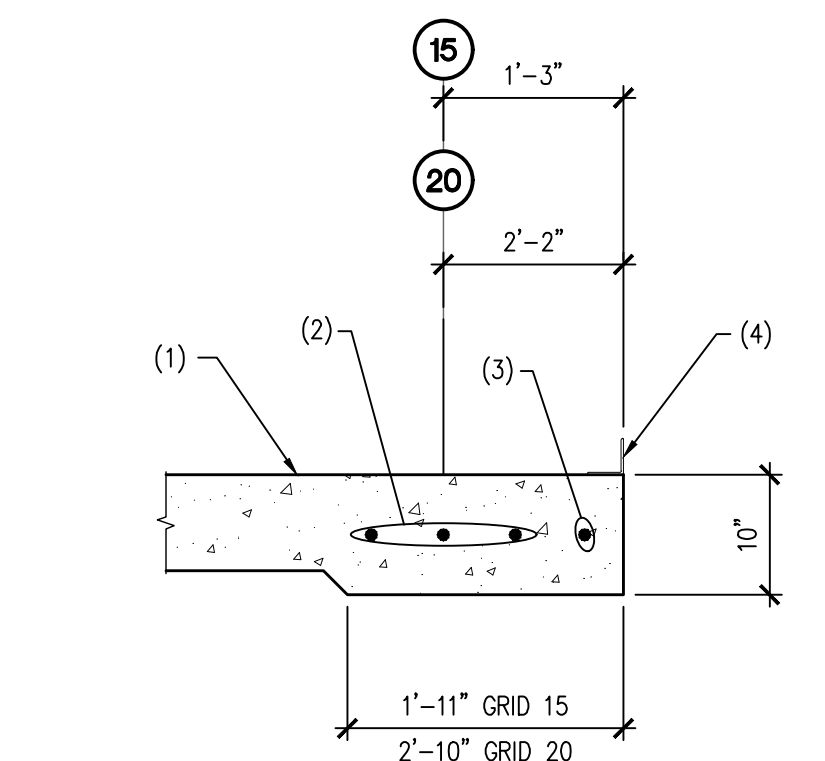
- NOTES:**
- L6x4x3/8 ANGLE, LLV, 1'-6" LONG. DRILL 1 1/8" DIAMETER HOLES FOR #8 REBAR CROSS TIES
 - REBAR CROSS TIE

08 CROSS-TIE ANCHOR
SCALE: N.T.S.



- NOTES:**
- #3 TIES WITH 135° BEND. TYPICAL AT EACH COLUMN LOCATION. SEE DETAIL 05/S3.0 FOR ADDITIONAL INFORMATION
 - VERTICAL BAR "C" WITH STANDARD HOOK. SEE FOOTING SCHEDULE AND DETAIL 05/S3.0 FOR ADDITIONAL INFORMATION

09 TYPICAL TIE DETAIL AT COLUMNS
SCALE: N.T.S.



- NOTES:**
- CONCRETE SLAB
 - CONTINUOUS CROSS TIE REINFORCING
 - TYPICAL EDGE FOOTING REINFORCING
 - EDGE ANGLE BY METAL BUILDING MFR.

10 CROSS-TIE DETAIL
SCALE: N.T.S.

APPROVALS

DESIGNED: EAB
DRAWN: LAM
CHECKED: LGL
DATE: 01/19/19
SCALE: AS NOTED

SEAL

LARRY C. LANDRILL
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER
35799
5/17/19

PREPARED BY

BRUCE DUNN ARCHITECT
5401 N YACHT CLUB ROAD
TACOMA, WA 98407

PROJECT

PACIFIC RIM CONTRACTORS
WAREHOUSE
GUYANA

SHEET TITLE

DETAILS

SHEET NO.

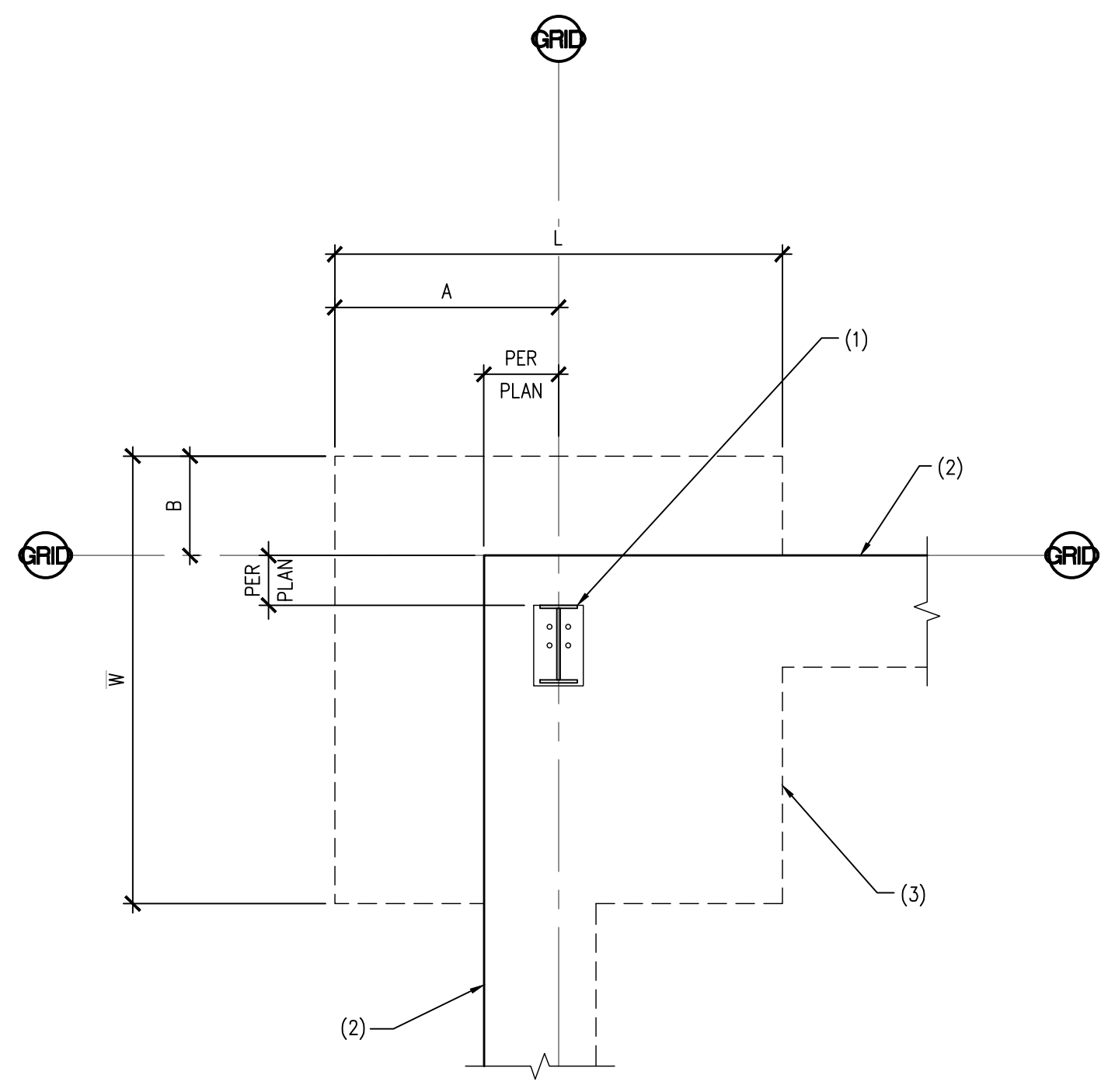
S3.0

PROJECT NO.

18062

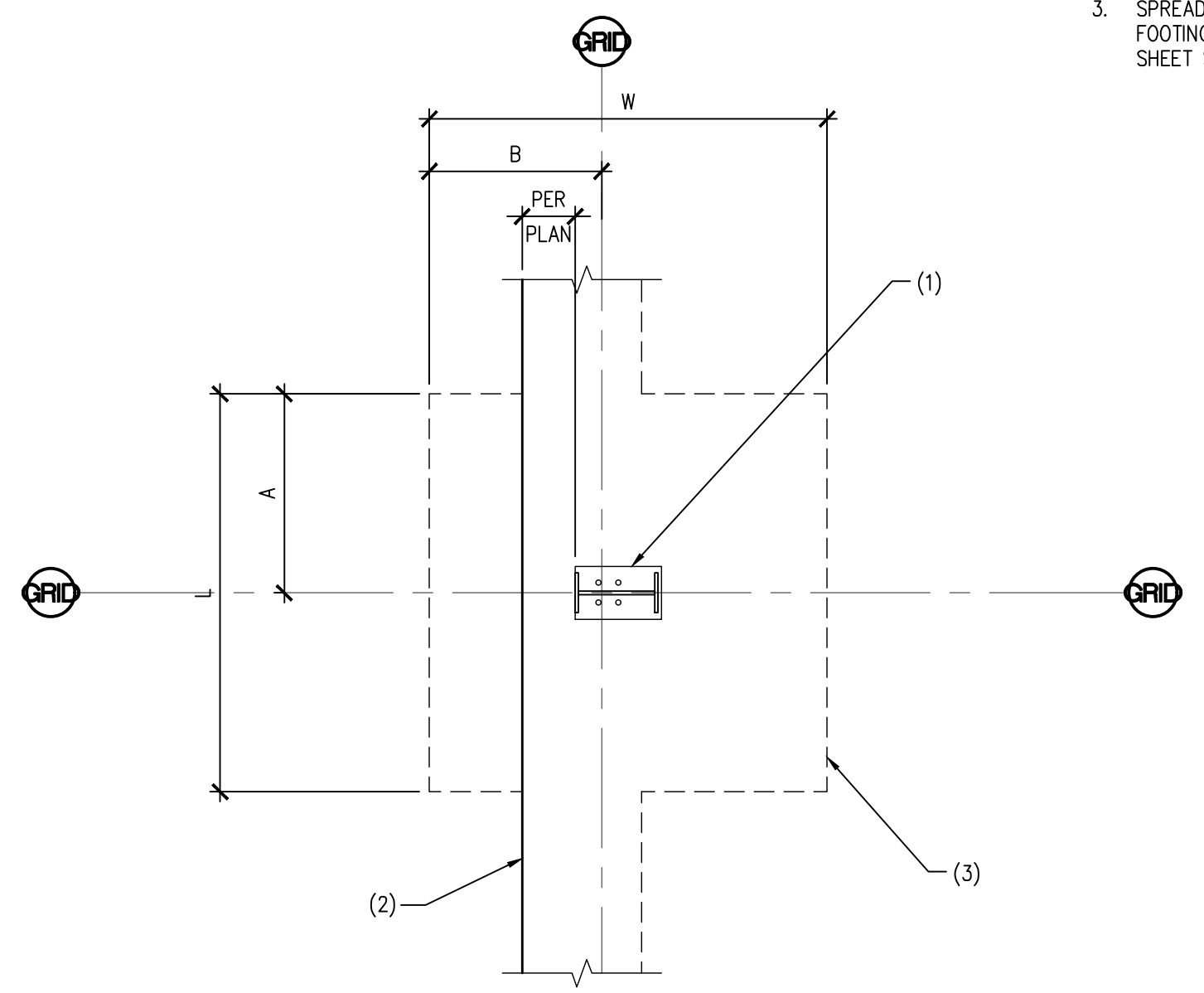
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NOTES:
 1. METAL BUILDING COLUMN
 2. EDGE OF CONCRETE SLAB
 3. SPREAD FOOTING. SEE FOOTING SCHEDULE ON SHEET S3.0



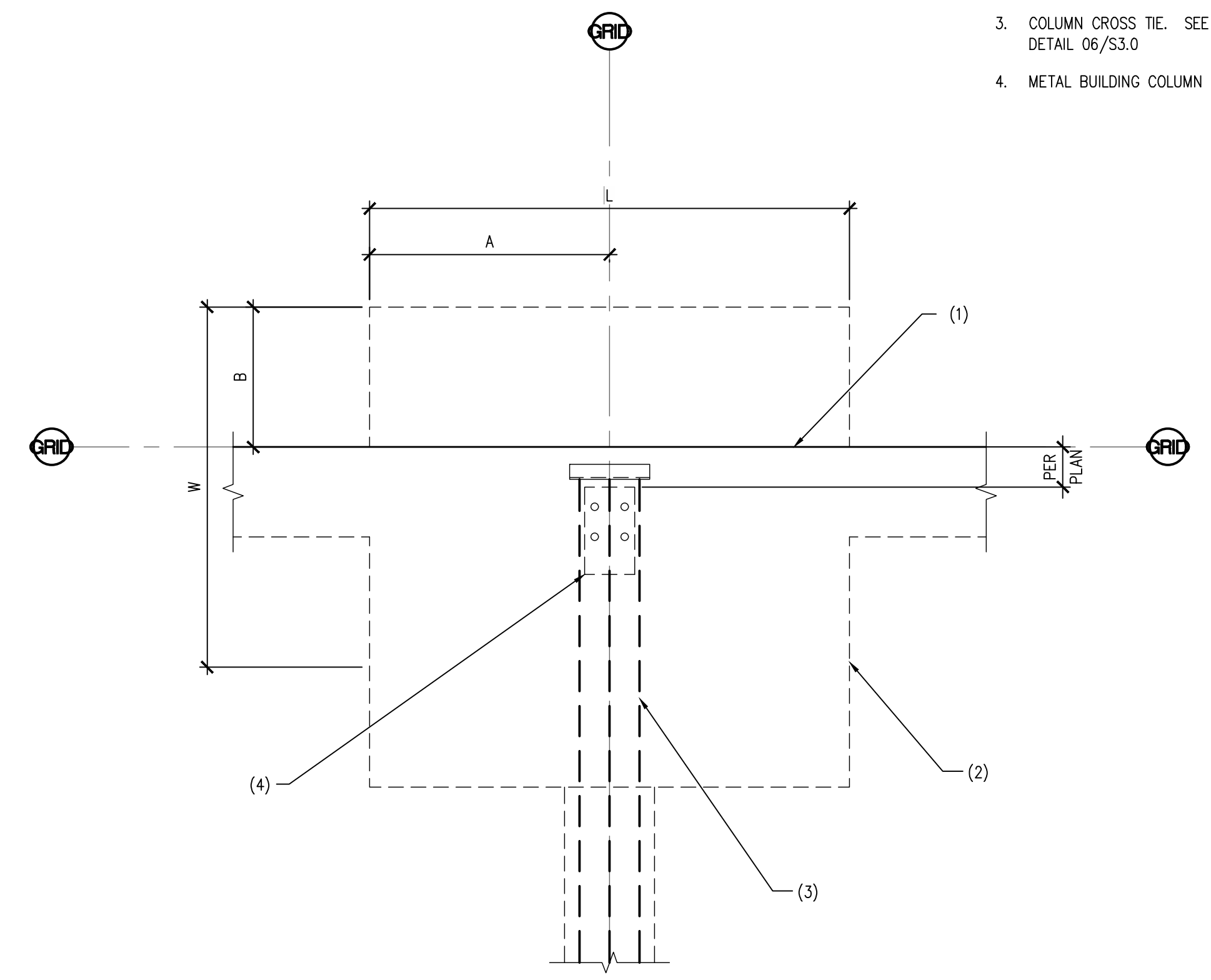
01 SPREAD FOOTING DETAIL
 SCALE: 1/2" = 1'-0"

NOTES:
 1. METAL BUILDING COLUMN
 2. EDGE OF CONCRETE SLAB (NO SLAB EDGE AT SIM)
 3. SPREAD FOOTING. SEE FOOTING SCHEDULE ON SHEET S3.0



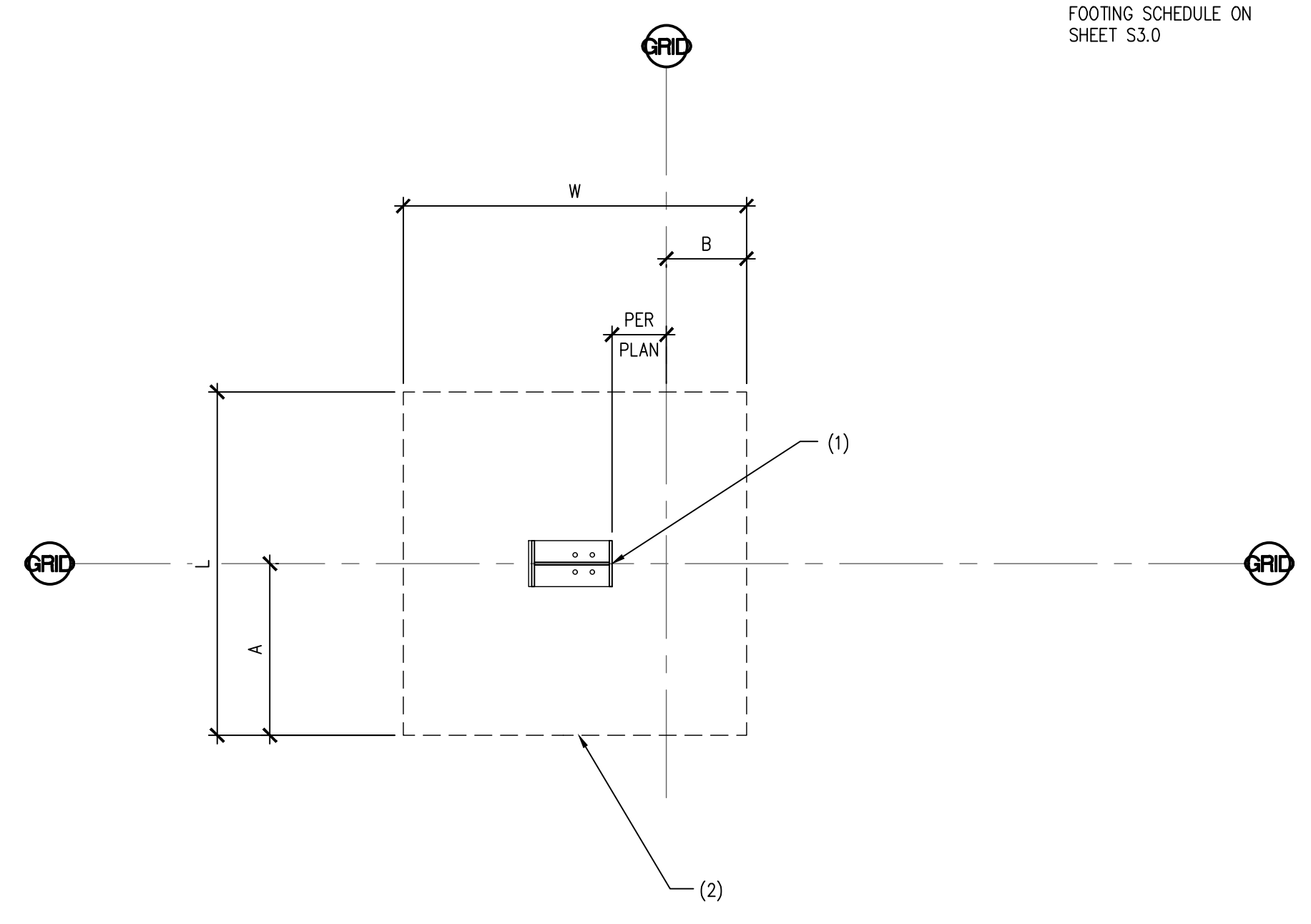
02 SPREAD FOOTING DETAIL
 SCALE: 1/2" = 1'-0"

NOTES:
 1. EDGE OF CONCRETE SLAB
 2. SPREAD FOOTING. SEE FOOTING SCHEDULE ON SHEET S3.0
 3. COLUMN CROSS TIE. SEE DETAIL 06/S3.0
 4. METAL BUILDING COLUMN



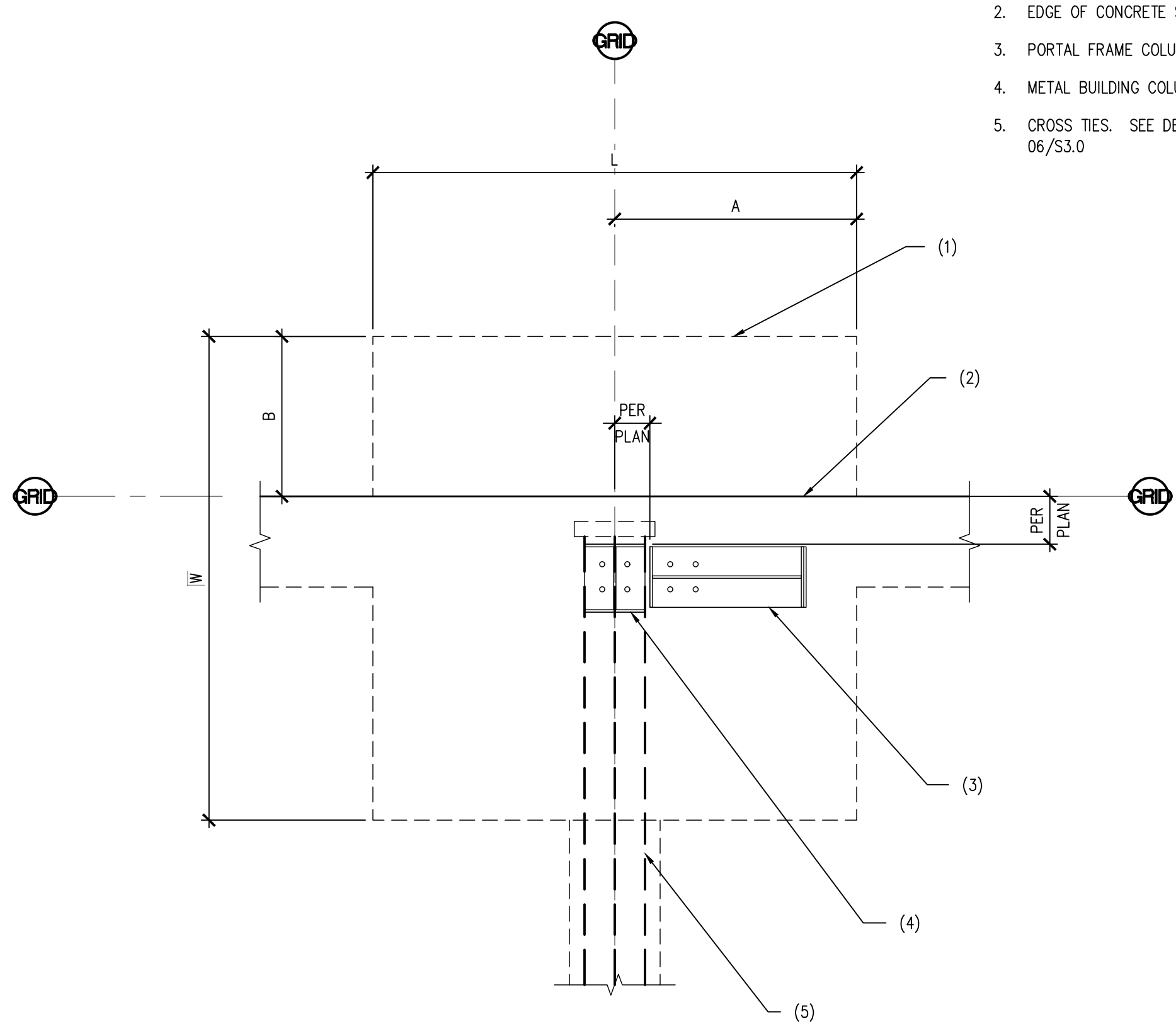
03 SPREAD FOOTING DETAIL
 SCALE: 1/2" = 1'-0"

NOTES:
 1. METAL BUILDING COLUMN
 2. SPREAD FOOTING. SEE FOOTING SCHEDULE ON SHEET S3.0



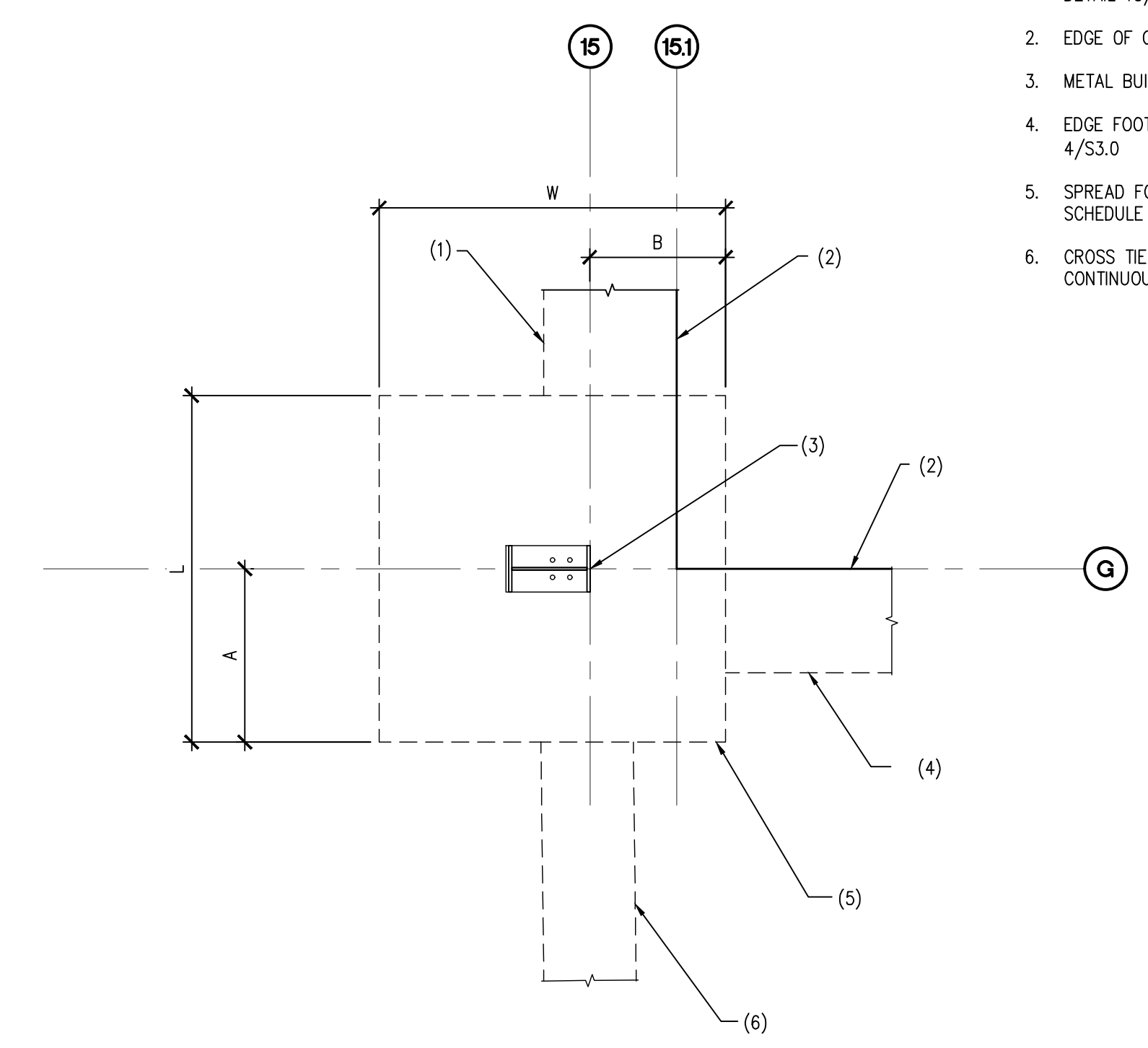
04 SPREAD FOOTING DETAIL
 SCALE: 1/2" = 1'-0"

NOTES:
 1. SPREAD FOOTING. SEE SCHEDULE ON SHEET S3.0
 2. EDGE OF CONCRETE SLAB
 3. PORTAL FRAME COLUMN
 4. METAL BUILDING COLUMN
 5. CROSS TIES. SEE DETAIL 06/S3.0



05 SPREAD FOOTING DETAIL
 SCALE: 1/2" = 1'-0"

NOTES:
 1. COMBINED CROSS TIE AND EDGE FOOTING. SEE DETAIL 10/S3.0
 2. EDGE OF CONCRETE SLAB
 3. METAL BUILDING COLUMN
 4. EDGE FOOTING PER DETAIL 4/S3.0
 5. SPREAD FOOTING. SEE SCHEDULE ON SHEET S3.0
 6. CROSS TIE FOOTING CONTINUOUS

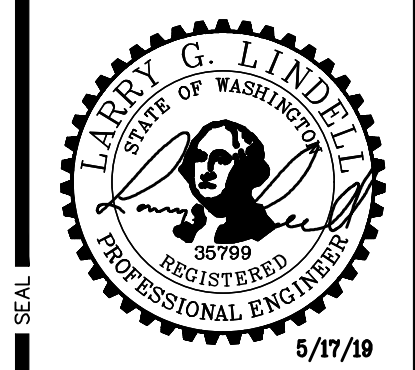


06 SPREAD FOOTING DETAIL
 SCALE: 1/2" = 1'-0"

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APPROVALS

DESIGNED	EAB
DRAWN	LAM
CHECKED	LGL
DATE	01/19/19
SCALE	AS NOTED

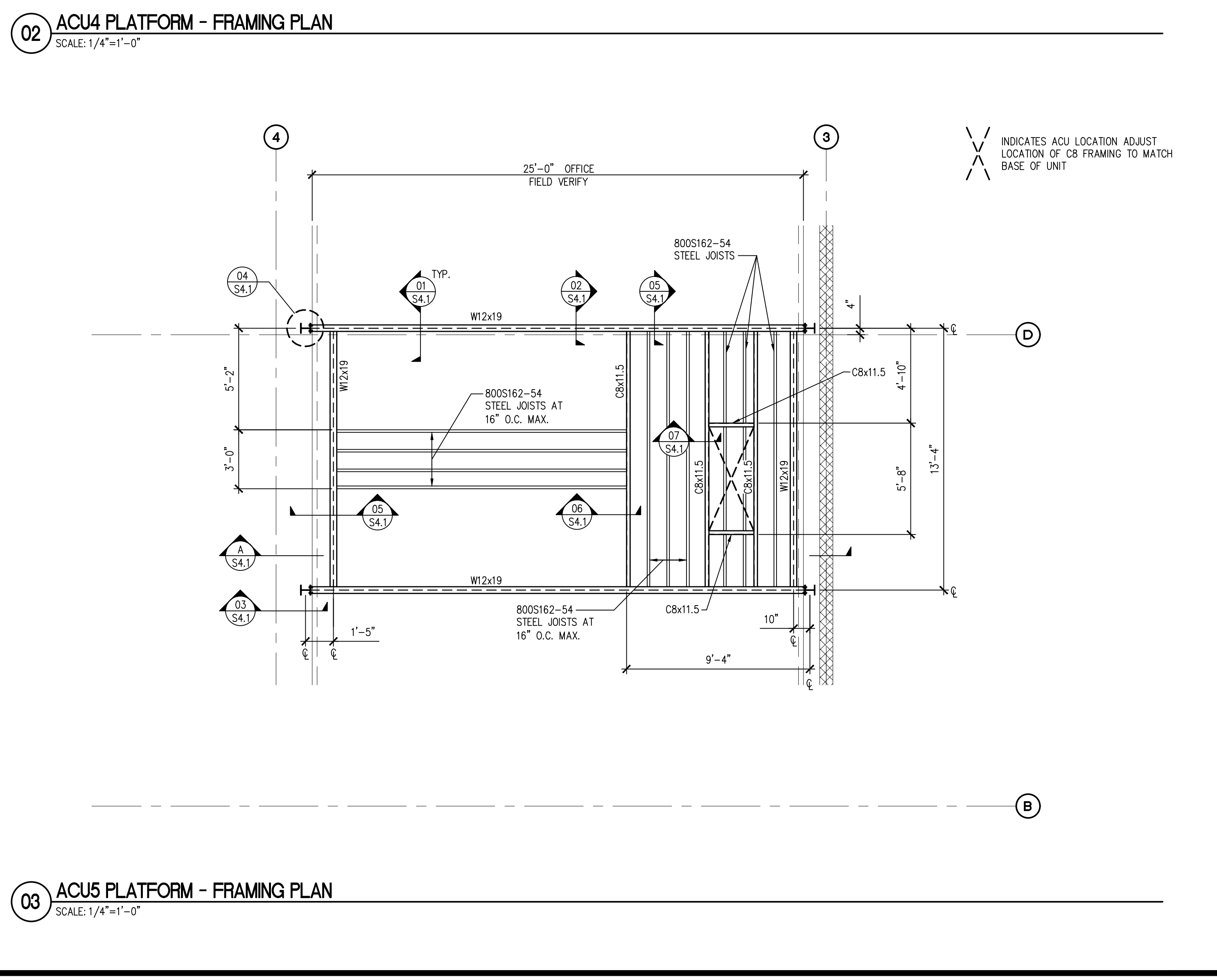
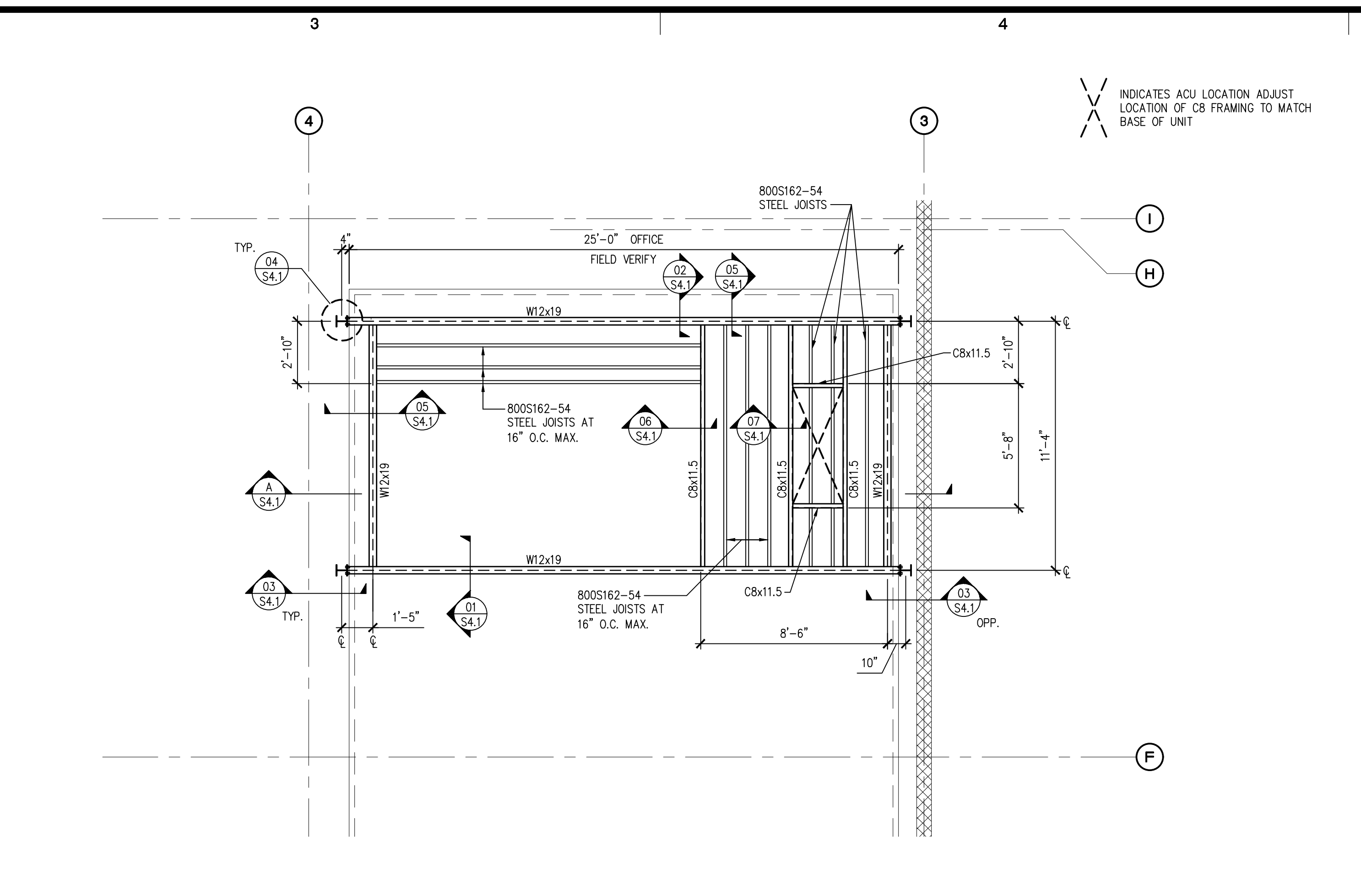
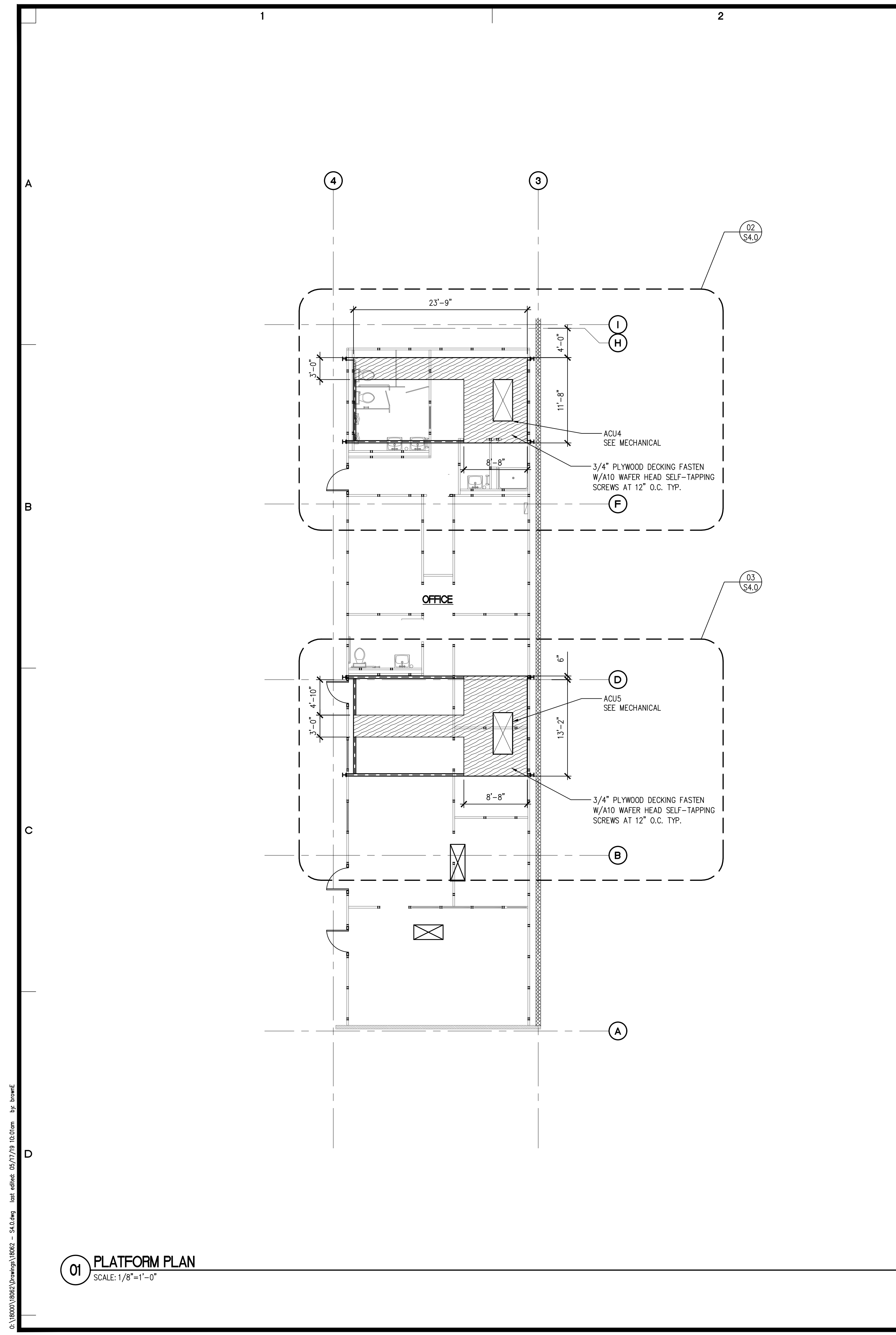


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PREPARED FOR
BRUCE DUNN ARCHITECT
 5401 N YACHT CLUB ROAD
 TACOMA, WA 98407

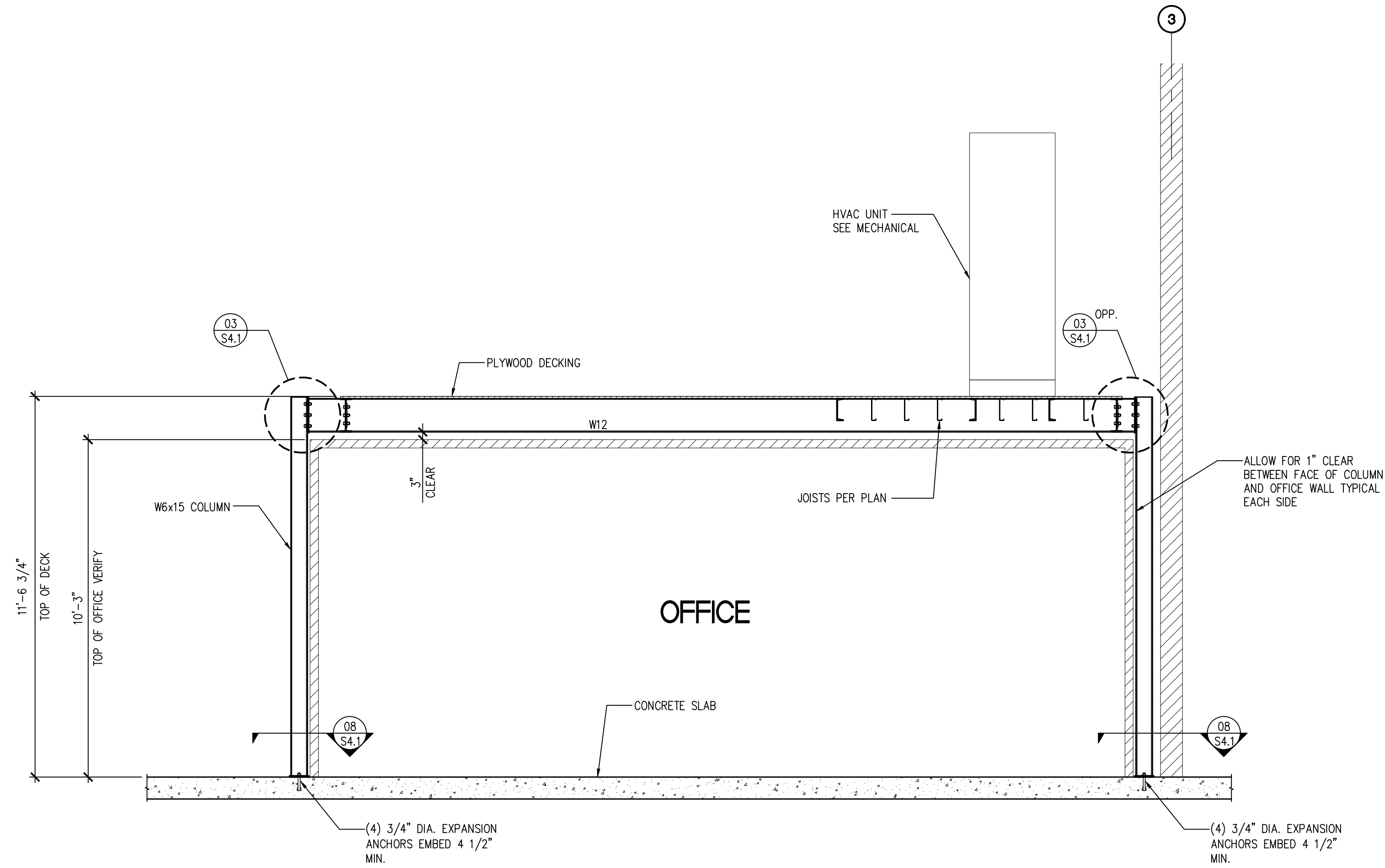
PROJECT
PACIFIC RIM CONTRACTORS WAREHOUSE
 GUYANA
 SHEET TITLE
DETAILS
 SHEET NO.

S3.1
 PROJECT NO.
18062



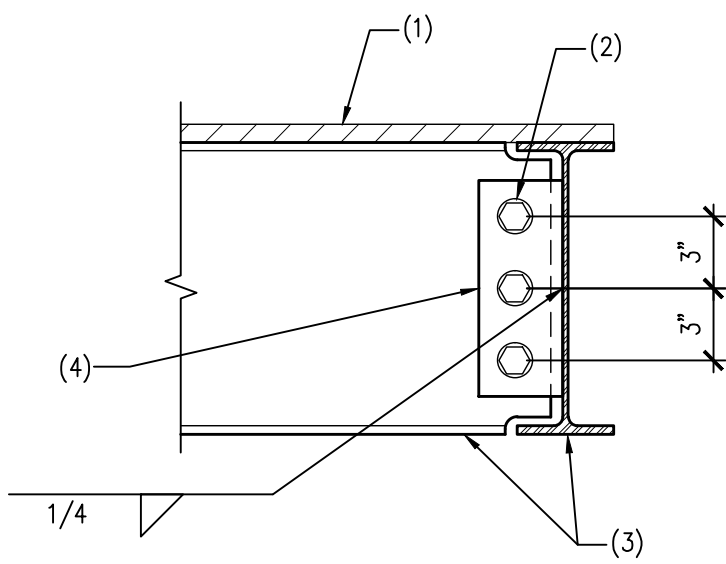
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<p>DESIGNED: EAB DRAWN: LAM CHECKED: LGL DATE: 5/14/19 SCALE: AS NOTED</p>	<p>APPROVALS</p> <p>REVISIONS</p>
<p>SITTS & HILL ENGINEERS, INC. CIVIL • STRUCTURAL • SURVEYING 4815 CENTER STREET TACOMA, WA 98409 PHONE: (253) 471-9449 FAX: (253) 474-0153 http://www.sittshill.com</p>	
<p>PREPARED FOR: BRUCE DUNN ARCHITECT 5401 N YACHT CLUB ROAD TACOMA, WA 98407</p>	
<p>PROJECT: PACIFIC RIM CONTRACTORS WAREHOUSE GUYANA</p> <p>SHEET TITLE: HVAC MEZZANINE PLATFORMS</p>	
<p>S4.0 PROJECT NO.</p>	
<p>18062</p>	



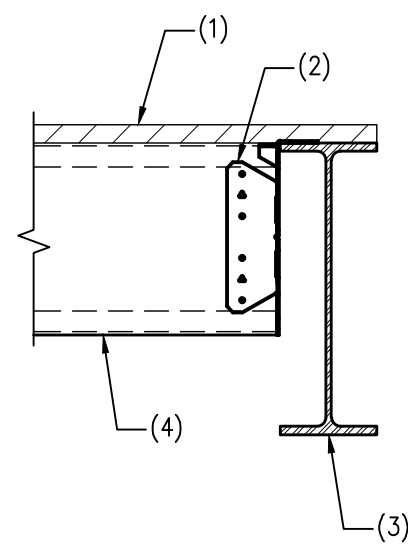
A SECTION
SCALE: 3/8" = 1'-0"

- NOTES:**
- PLYWOOD DECKING
 - (3) 3/4" DIA. A325 BOLTS
 - W12 PER PLAN
 - 3/8"x3 1/2"x9" TAB



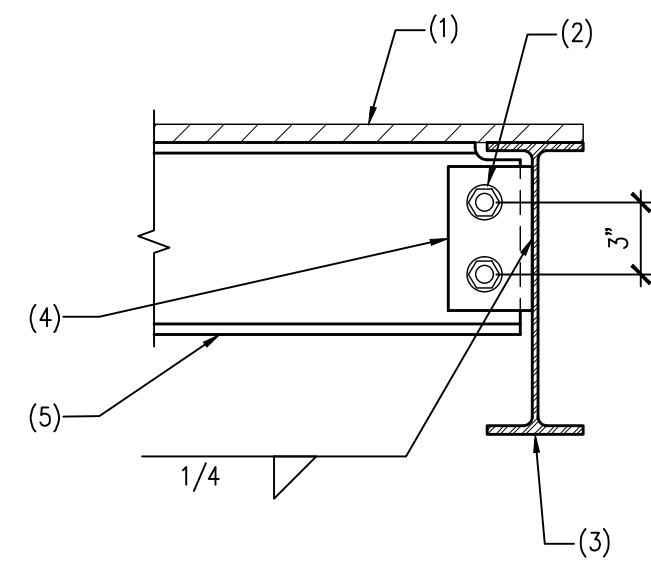
01 DETAIL
SCALE: 1 1/2" = 1'-0"

- NOTES:**
- PLYWOOD DECKING
 - SIMPSON S/JCT HANGER, TYP.
 - W12 PER PLAN
 - METAL JOIST PER PLAN



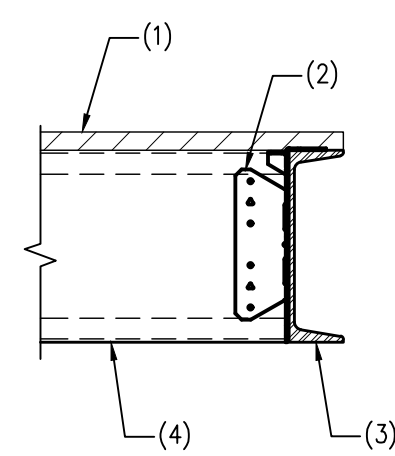
05 DETAIL
SCALE: 1 1/2" = 1'-0"

- NOTES:**
- PLYWOOD DECKING
 - (2) 3/4" DIA. A325 BOLTS
 - W12 PER PLAN
 - 3/8"x6x3 1/2" TAB
 - CB PER PLAN COPE AS REQUIRED



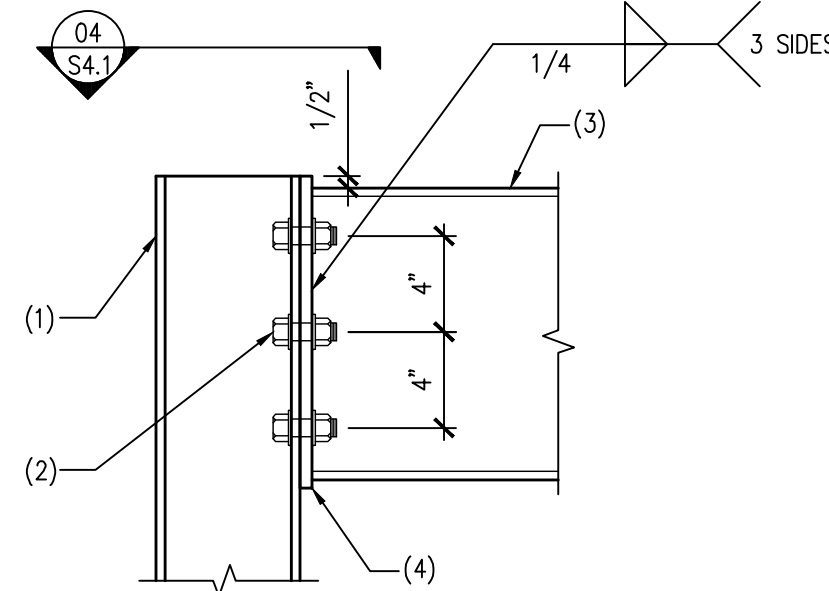
02 DETAIL
SCALE: 1 1/2" = 1'-0"

- NOTES:**
- PLYWOOD DECKING
 - SIMPSON S/JCT HANGER
 - CB PER PLAN
 - METAL JOIST PER PLAN



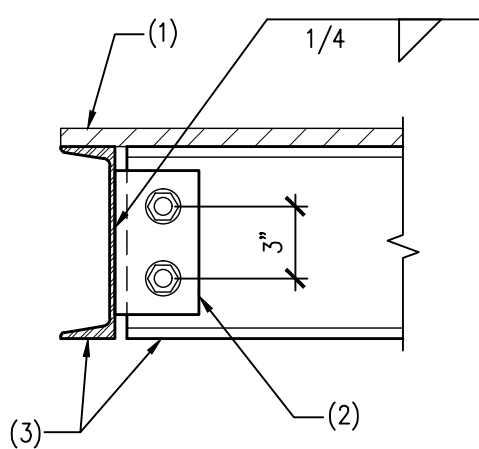
06 DETAIL
SCALE: 1 1/2" = 1'-0"

- NOTES:**
- W6x15 COLUMN
 - (6) 3/4" DIA. A325 BOLTS
 - W12 PER PLAN
 - 1/2"x6"x13" END PLATE



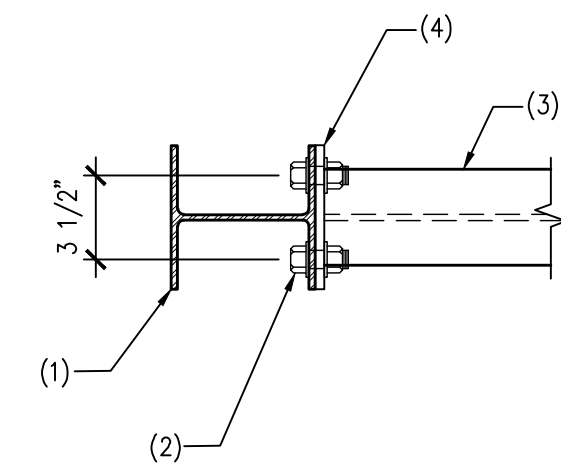
03 DETAIL
SCALE: 1 1/2" = 1'-0"

- NOTES:**
- PLYWOOD DECKING
 - 3/8"x3 1/2"x6" TAB
 - CB PER PLAN



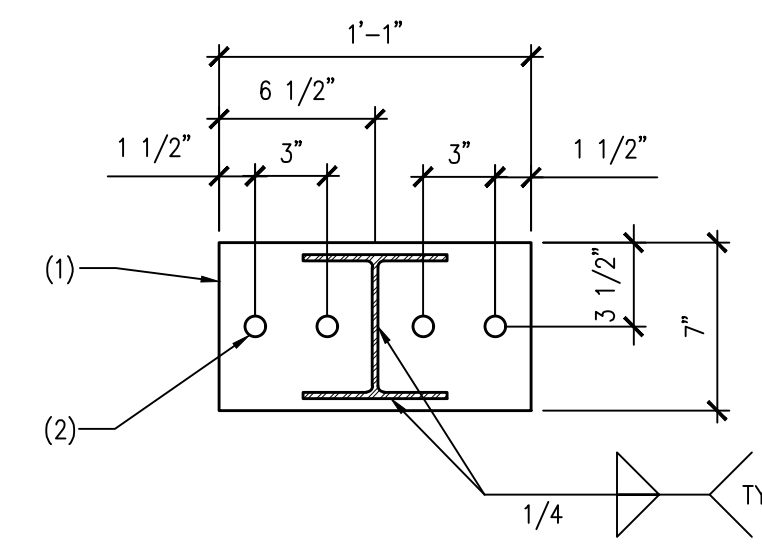
07 DETAIL
SCALE: 1 1/2" = 1'-0"

- NOTES:**
- W6 COLUMN
 - (6) 3/4" DIA. A325 BOLTS
 - W12 PER PLAN
 - 1/2"x6"x13" PLATE



04 DETAIL
SCALE: 1 1/2" = 1'-0"

- NOTES:**
- 1/2" PLATE
 - 7/8" HOLES, TYP.



08 DETAIL
SCALE: 1 1/2" = 1'-0"



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PACIFIC RIM CONTRACTORS WAREHOUSE
GUYANA
HVAC MEZZANINE PLATFORMS
SECTIONS AND DETAILS

S4.1
PROJECT NO.
18062

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MECHANICAL NOTES

- THE FOLLOWING NOTES APPLY TO ALL MECHANICAL DRAWINGS. ADDITIONAL MECHANICAL NOTES MAY BE INDICATED ON EACH MECHANICAL DRAWING.
- REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR GENERAL CONSTRUCTION INCLUDING BOLLARDS, CONCRETE EQUIPMENT PADS, FLASHING DETAILS, ETC.
- MECHANICAL DRAWINGS SHOW APPROXIMATE LOCATIONS FOR GRILLES AND DIFFUSERS. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND ELEVATIONS FOR EXACT LOCATIONS.
- ARRANGE HVAC EQUIPMENT SO THAT ACCESS CLEARANCES INDICATED BY DRAWINGS, REQUIRED BY CODES OR RECOMMENDED BY MANUFACTURER ARE PROVIDED.
- PROVIDE A VOLUME DAMPER FOR EACH SUPPLY, RETURN AND EXHAUST OPENING, IN SUPPLY BRANCH WHERE THREE OR MORE OPENINGS ARE ASSOCIATED WITH THE BRANCH, AND ELSEWHERE AS NOTED ON DRAWINGS OR IN SPECIFICATIONS.
- REFER TO PIPING DIAGRAMS AND DETAILS FOR REQUIRED FITTINGS, VALVES, ETC. FLOOR PLANS AND SECTIONS INDICATE EQUIPMENT LOCATIONS AND GENERAL PIPE ROUTING ONLY.
- REFER TO ARCHITECTURAL DRAWINGS FOR ROOM ELEVATIONS. LOCATE MECHANICAL DEVICES SUCH AS TEMPERATURE SENSORS, HUMIDISTATS, PANELS, ETC. SO THAT THEY DO NOT CONFLICT WITH GENERAL CONSTRUCTION, LABORATORY EQUIPMENT, OR ELECTRICAL SYSTEM (LIGHT SWITCHES, PANELS, OUTLETS, ETC.).

GENERAL NOTES

INSTALL SEISMIC BRACING FOR ALL DUCTWORK, EQUIPMENT AND PIPING PER I.B.C. REQUIREMENTS.

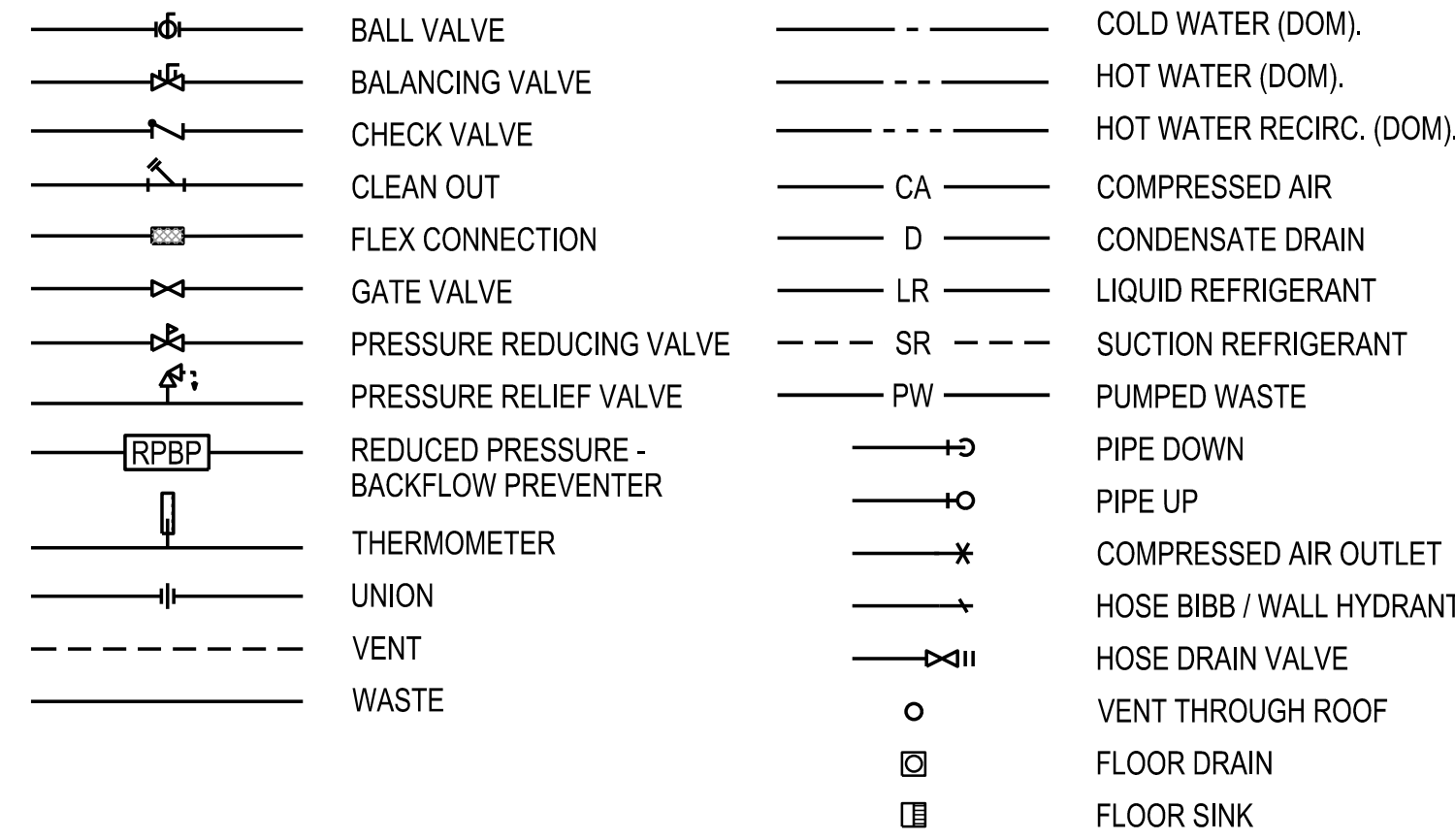
INSTALL ALL PIPING ON ROOM SIDE OF BUILDING INSULATION.

MECHANICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE AND DO NOT NECESSARILY REFLECT EVERY REQUIRED OFF-SET, FITTING OR ACCESSORY.

THE MECHANICAL CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO BEGINNING WORK IN ORDER TO OBSERVE EXISTING CONDITIONS. VERIFY EXACT SIZE, LOCATION AND CONDITION OF ALL EXISTING SYSTEMS, DUCTS, PIPES, UTILITIES AND BUILDING STRUCTURE.

VERIFY VOLTAGES AT THE SITE PRIOR TO ORDERING ANY EQUIPMENT.

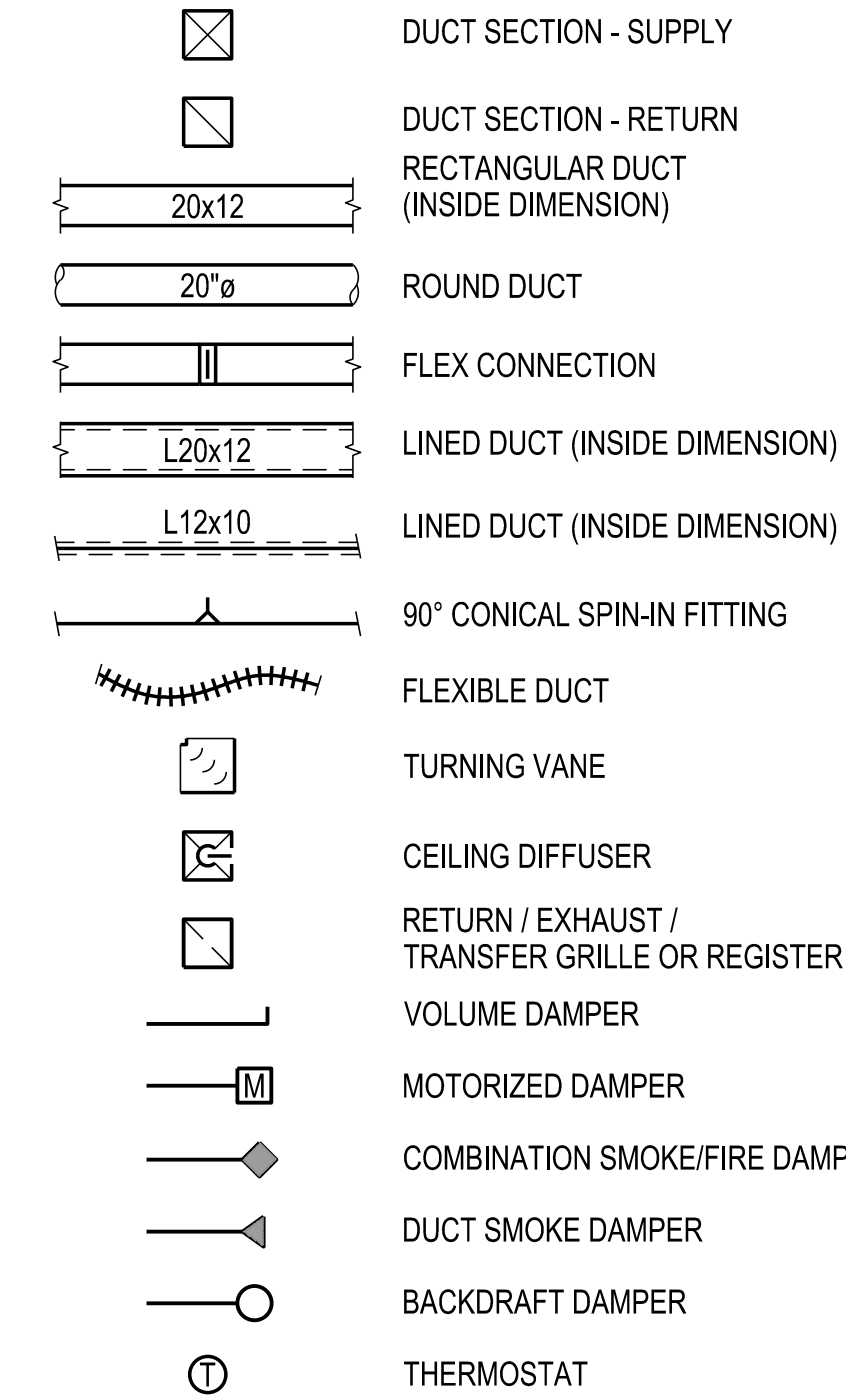
PIPING SYMBOLS



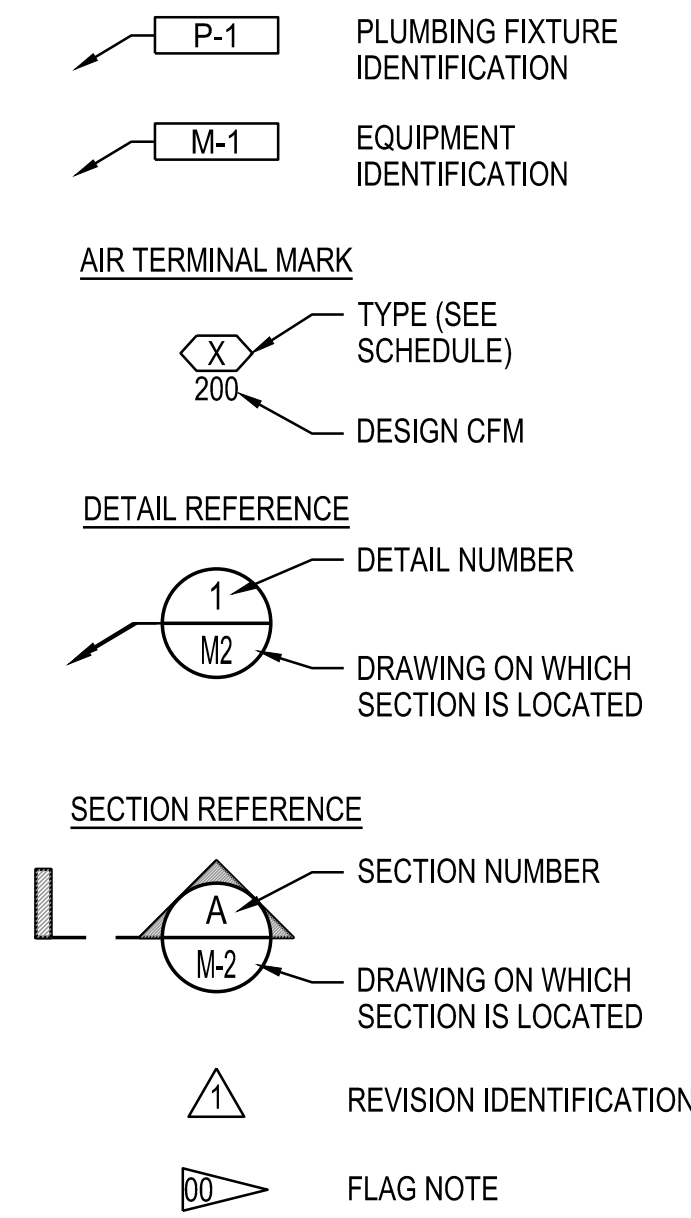
ABBREVIATIONS

ADA AMERICANS WITH DISABILITIES ACT
 AFF ABOVE FINISHED FLOOR
 ARCH. ARCHITECT / ARCHITECTURAL
 CA COMPRESSED AIR
 CD CEILING DIFFUSER
 CG CEILING GRILLE
 CO CLEANOUT
 COP COEFFICIENT OF PERFORMANCE
 CONT. CONTINUATION
 DWG DRAWING
 (E) EXISTING ITEMS
 EA EXHAUST AIR
 EAT ENTERING AIR TEMP.
 EER ENERGY EFFICIENCY RATING
 EFF EFFICIENCY / EFFICIENT
 ELECT. ELECTRICAL
 FCO FLOOR CLEANOUT
 IPLV INTEGRATED PART LOAD VALUE
 I.E. INVERT ELEVATION
 LAT LEAVING AIR TEMP.
 LF LINEAR FOOT
 MC MECHANICAL CONTRACTOR
 MECH. MECHANICAL
 NP NON POTABLE
 OSA OUTSIDE AIR
 P.O.C. POINT OF CONNECTION
 RG RETURN / RELIEF GRILLE
 SA SUPPLY AIR
 SENS SENSOR
 SG SUPPLY GRILLE
 T*STAT THERMOSTAT
 TYP TYPICAL
 U.O.N. UNLESS OTHERWISE NOTED
 V VENT
 VTR VENT THROUGH ROOF
 W WASTE
 WCO WALL CLEANOUT

DUCTWORK SYMBOLS



GENERAL SYMBOLS



GRILLE, REGISTER, DIFFUSER SCHEDULE

MARK	TYPE	MANUFACTURER	MODEL	MATERIAL	FACE SIZE	NECK SIZE, IN. DIA.	BORDER	OBD	REMARKS
A	SUPPLY	TITUS	MCD	STEEL	24"x24"	10"	LAY-IN	NO	WHITE
B	SUPPLY	TITUS	MCD	STEEL	24"x24"	8"	LAY-IN	NO	WHITE
C	SUPPLY	TITUS	MCD	STEEL	24"x24"	6"	LAY-IN	NO	WHITE
D	RETURN	TITUS	50F	STEEL	24"x24"	24x24"	LAY-IN	NO	WHITE
E	RETURN	TITUS	50F	STEEL	24"x12"	24x24"	LAY-IN	NO	WHITE
F	SUPPLY	TITUS	DL	ALUMINUM	30"x15"	30"x15"	DUCT	YES	WHITE
G	RETURN	TITUS	350RL	STEEL	50"x38"	48"x36"	SURFACE	NO	WHITE

DRAWING INDEX

DWG.	DESCRIPTION
MO.1	MECHANICAL LEGEND, NOTES, AND SCHEDULES
MO.2	MECHANICAL SCHEDULES
M1.1	MECHANICAL FLOOR PLAN - EAST
M1.2	MECHANICAL FLOOR PLAN - WEST
M1.3	ENLARGED MECHANICAL FLOOR PLANS
M1.4	ENLARGED PLUMBING FLOOR PLANS
M2.1	MECHANICAL DETAILS AND DIAGRAMS

WATER HEATER SCHEDULE

EQUIP. NO.	SERVICE	CAPACITY, GAL.	RECOVERY GPH	TEMPERATURE RISE DEG. F	WEIGHT LBS	VOLTS / PHASE	INPUT KW	TANK DIA. IN.	MODEL	REMARKS
HWT-1	ALL AREAS	80	15	80	211	208	3	24	AO SMITH DEN-80	

FAN COIL UNIT SCHEDULE

EQUIP. NO.	AREA SERVED	CONFIGURATION	VOLTS	PHASE	FAN SECTION				COOLING COIL				MIN. OSA CFM	FILTER		MANUFACTURER & MODEL	WEIGHT	REMARKS	
					AIRFLOW CFM	ESP IN. WG	RPM	MOTOR HP	SPEEDS	CAP MBH	EAT DEG F	TOTAL		SENS	DB				WB
ACU-1	OFFICES / LOCKERS	HORIZONTAL	208 / 240	1	1,500	0.6	1,050	3/4	5	49.1	28.9	75	67	200	DISPOSABLE	1"	TRANE GAM5BOC48M41S	166	
ACU-2	NORTH OFFICES	HORIZONTAL	208	1	735	0.5	--	2.4 (FLA)	3	18.2	13.8	75	67	100	STANDARD	1"	MITSUBISHI PVA-A18AA7	113	
ACU-3	IT CLOSET	CEILING MOUNTED	208	1	600	--	--	0.4	4.0	18.2	15.4	75	67	--	STANDARD	1"	MITSUBISHI PLA-A18EA7	68	
ACU-4	CLIMATE CONTROL	VERTICAL	208	3	3,600	0.6	749	1.5	1	138	--	80	67	--	MERV 8	2"	CARRIER 50XCA12	1,352	NOTE 1
ACU-5	CLIMATE CONTROL	VERTICAL	208	3	3,600	0.6	749	1.5	1	138	--	80	67	--	MERV 8	2"	CARRIER 50XCA12	1,352	NOTE 1

NOTE 1: PROVIDE 2 SPEED FAN AND ROOM THERMOSTAT.

PUMP SCHEDULE

EQUIP. NO.	SERVICE	PUMP		PUMP TYPE	MOTOR				PUMP EFF. %	PIPE CONN. IN.	WEIGHT, LBS	MANUFACTURER & MODEL	REMARKS
		GPM	FT. HEAD		HP (W)	VOLTS	PHASE	RPM					
CP-1	DOM. WATER CIRC. PUMP	3	10	IN-LINE	125 W	115	1	2950	--	3/4	11	BELL & GOSSET NBF 25	
SP-1	SANITARY SEWAGE SUMP PUMP	15	26	DUPLEX SUBMERSIBLE	3/4"	115	1	--	--	2	215	LIBERTY PUMPS 1102LE74M	PRE-ASSEMBLED DUPLEX SEWAGE SYSTEM, PROVIDE W/ 25' CORD & PLUG

EXHAUST FAN SCHEDULE

EQUIP. NO.	AREA SERVED	FAN TYPE	AIRFLOW CFM	EXT SP IN WG	RPM	MOTOR			SONES (INLET)	DRIVE	SPEED CONTROL	MANUFACTURER & MODEL	CONTROL	REMARKS
						(W)	VOLTS	PHASE						
EF-1	TOILET	CEILING	120	0.4	854	128	115	1	2.0	DIRECT	YES	GREENHECK SP-B150	ROOM LIGHT CIRCUIT	
EF-2	SHOWER	CEILING	75	0.4	772	80	115	1	1.3	DIRECT	YES	GREENHECK SP-B110	ROOM LIGHT CIRCUIT	
EF-3	JANITOR	CEILING	75	0.4	772	80	115	1	1.3	DIRECT	YES	GREENHECK SP-B110	ROOM LIGHT CIRCUIT	
EF-4	TOILET	CEILING	300	0.4	1,235	135	115	1	4.0	DIRECT	YES	GREENHECK SP-A390	CONTINUOUS	

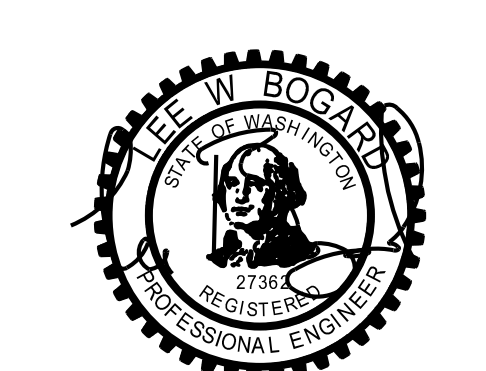
AIR CONDITIONING UNIT SCHEDULE

EQUIP. NO.	AREA SERVED	COOLING CAPACITY MBH	COOLING OSA DB MBH	COMPRESSOR QUANTITY	ELECTRICAL				MODEL NO.	SOUND POWER LEVEL, dBA	SOUND PRESSURE LEVEL, dBA	SEER	COOLING COIL	REFRIGERANT PIPE SIZE, IN.		WEIGHT, LBS	REMARKS
					VOLTS	PHASE	MCA	MOP						LR	SR		
CU-1	OFFICES / LOCKERS	47.5	95	1	460	3	9.0	15	TRANE 4TTA7048A4000A	73	--	16.3	ACU-1	3/8"	5/8"	248	
CU-2	NORTH OFFICE	18.0	95	1	208	1	11	28	TRANE PUY-A18NKA7	--	44	20.2	ACU-2	1/4"	1/2"	99	
CU-3	IT CLOSETS	18.0	95	1	208	1	11	28	TRANE PUY-A18NKA7	--	44	20.2	ACU-2	1/4"	1/2"	99	

PLUMBING FIXTURE SCHEDULE

TAG	ITEM	DESCRIPTION	W	V	CW	HW	DESCRIPTION
ES-1		EMERGENCY SHOWER / EYE WASH	--	--	3/4"	--	HAWS MODEL 8200 CRP COMBINATION SHOWER-EYEWASH WITH 1-1/4" GREEN EPOXY-COATED STEEL PIPE STANDARD, 9" DIAMETER FLOOR FLANGE, 10" ABS SHOWERHEAD, STAINLESS STEEL PULL ROD WITH TRIANGULAR POLE, STAY-OPEN VALVE, ABS WASH WITH TO EYEWASH HEADS WITH DUST COVERS, PUSH FLAG WITH STAY OPEN VALVE AND 50 MESH STRAINER. CHECK STOP VALVES IN SUPPLIES, ABS PLASTIC UNIVERSAL SAFETY SIGN.
FD-1		FLOOR DRAIN	2"	2"	2"	2"	ZURN ZN-415-B CAST-IRON BODY, NICKEL BRONZE ADJUSTABLE STRAINER, ROUND TOP.
L-1		LAVATORY COUNTERTOP	1-1/2"	1-1/2"	1/2"	1/2"	PROVIDED BY OTHERS.
MB-1		MOP BASIN	2"	2"	3/4"	3/4"	PROVIDED BY OTHERS.
SH-1		SHOWER	2"	2"	3/4"	3/4"	PROVIDED BY OTHERS.
U-1		URINAL	2"	1-1/2"	3/4"	3/4"	PROVIDED BY OTHERS.
WC-1		WATER CLOSET	2"	2"	3/4"	--	PROVIDED BY OTHERS.
WC-1A		WATER CLOSET ADA ACCESSIBLE	4"	2"	3/4"	--	PROVIDED BY OTHERS.
WH-1		WALL HYDRANT	--	--	3/4"	--	WOODFORD MODEL B65, NON-FREEZE TYPE, COMPLETE WITH CHROME FINISH WALL BOX AND HYDRANT, 3/4" INLET, 3/4" HOSE END OUTLET, LOOSE KEY HANDLE WITH BACKFLOW PREVENTER.

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KEY INDEX

SBM WAREHOUSE GUYANA

GUYANA
 MECHANICAL
 LEGEND, NOTES,
 AND SCHEDULES

DATE	3/09	SHEET
SCALE	NONE	
DRAWN	JC	
CHECK	LBS	
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MO.1		

HVAC DUCT SPECIFICATION

DUCT SYSTEM	PRESSURE CLASS	DUCT MATERIALS	FITTINGS	FLEX CONNECTION FLEX DUCT	SEAL CLASS	CLEANLINESS DURING CONSTRUCTION	INSULATION	LINING MATERIALS	SEISMIC IMPORTANCE FACTOR	NOTES
HVAC LOW PRESSURE SUPPLY; FURNACE TO AIR TERMINALS	SMACNA + 12" OR +1" PRESSURE SMACNA + 12" OR +1" PRESSURE	GALVANIZED DUCT; GAUGE AND REINFORCEMENT SHALL BE SMACNA OR BETTER SMACNA + 12" OR +1" PRESSURE ROUND MAY BE SNAPLOCK	ELBOWS: PURCHASED ADJUSTABLE ELBOWS IN ACCORDANCE WITH SMACNA +1" STANDARDS SMACNA + 12" OR +1" PRESSURE LARGER THAN 24 INCHES CONICAL SPIN-IN FITTINGS ON ROUND BRANCHED DUCTS	8" MAXIMUM LENGTH WITH NO OFFSETS USE THERMA FLEX, GKM OR EQUAL	SMACNA SEAL CLASS LEVEL C 1/2" NO SEAL	FOLLOW BASIC "LEVEL A" SMACNA SMACNA	WITHIN CONDITIONED SPACE: R3.3 NOT IN CONDITION SPACE: R-7 WITH APPROVED SHAPER/WEATHER BARRIER UNDERGROUND OR IN CONCRETE: R5.3	PROVIDE 1" INTERIOR LINING WHERE INDICATED ON PLANS	IP=10	
OUTSIDE AIR INTAKE LOUVER/PLENUMS DUCT UPSTREAM OF MOTORIZED DAMPERS	SMACNA +2"	GALVANIZED DUCT; GAUGE AND REINFORCEMENT SHALL BE SMACNA OR BETTER RECTANGULAR MAY BE S DRIVE ROUND MAY BE SNAPLOCK	ELBOWS: PURCHASED ADJUSTABLE ELBOWS IN ACCORDANCE WITH SMACNA +1" STANDARDS CL RADIUS OF 1.0 DIAMETER ON DUCTS LARGER THAN 24 INCHES CONICAL SPIN-IN FITTINGS ON ROUND BRANCHED DUCTS	FLEX AT EQUIPMENT CONNECTIONS TO COMPLY WITH SPEC APPLICABLE PRESSURE LEVEL C CLASS	SMACNA SEAL CLASS	FOLLOW BASIC "LEVEL A" SMACNA	WITHIN CONDITIONED SPACE: R3.3 NOT IN CONDITION SPACE: R-7 WITH APPROVED SHAPER/WEATHER BARRIER UNDERGROUND OR IN CONCRETE: R5.3	PROVIDE 1" INTERIOR LINING WHERE INDICATED ON PLANS	IP=10	
EXHAUST LOW PRESSURE	SMACNA -1/2" OR -1" PRESSURE	GALVANIZED DUCT; GAUGE AND REINFORCEMENT SHALL BE SMACNA OR BETTER RECTANGULAR MAY BE S DRIVE ROUND MAY BE SNAPLOCK	ELBOWS: PURCHASED ADJUSTABLE ELBOWS IN ACCORDANCE WITH SMACNA +1" STANDARDS CL RADIUS OF 1.0 DIAMETER ON DUCTS LARGER THAN 24 INCHES CONICAL SPIN-IN FITTINGS ON ROUND BRANCHED DUCTS	8" MAXIMUM LENGTH WITH NO OFFSETS USE THERMA FLEX, GKM OR EQUAL FLEX AT EQUIPMENT CONNECTIONS TO COMPLY WITH SPEC APPLICABLE PRESSURE CLASS	SMACNA SEAL CLASS LEVEL C	FOLLOW BASIC "LEVEL A" SMACNA	NOT REQUIRED	PROVIDE 1" INTERIOR LINING WHERE INDICATED ON PLANS	IP=10	
VOLUME DAMPERS	N/A	SMACNA REQUIREMENTS	N/A	N/A	PER APPLICABLE DUCT SYSTEM	PER APPLICABLE DUCT SYSTEM	N/A	N/A	N/A	

PLUMBING SPECIFICATIONS

SYSTEM ID	CATEGORY	SERVICE DESCRIPTION	MANUFACTURER, PRODUCT OR EQUAL	PRESSURE TESTING			SEISMIC IMPORTANCE IP	INSULATION	
				MEDIA	TEST PROCEDURE	DURATION			
CW, HW & HWC (POTABLE)	COLD WATER (DOMESTIC) HOT WATER (DOMESTIC) HOT WATER CIRCULATION	DOMESTIC HOT & COLD WATER SERVICE		WATER	150 PSIG OR 1-1/2 TIMES THE OPERATING PRESSURE	24 HOURS	2015 SPC SECTION 609.4	1.0	PER SEC SEE INSULATION SCHEDULE NO INSERTS AT HANGERS USE INSERTS AT CLAMPS; INSERTS TO BE STYRENE
	OPERATING PRESSURE	UP TO 100 PSI; SET RELIEF TO 150 PSI							
	PIPE MATERIAL; SIZES UP TO 2"	HARD COPPER TUBE, TYPE L, ASTM B88							
	JOINTS	SOLDERED, LEAD FREE, ASTM B32							
	FITTINGS	WROUGHT COPPER / BRONZE SOLDERED JOINT							
	VALVES - ISOLATION	BALL TYPE; MSS SP 110, 600 PSI WOG	MILWAUKEE, NIBCO						
	SPECIALTIES	MISCELLANEOUS							
	PIPE MATERIAL; SIZES UP TO 2-1/2" THRU 4"	HARD COPPER TUBE, TYPE L, ASTM B88							
	JOINTS	GROOVED							
	FITTINGS	COPPER GROOVED END FITTINGS							
VALVES - ISOLATION	BUTTERFLY TYPE; MSS SP 67, CLASS 150	VICTAULIC, NIBCO							
SPECIALTIES	MISCELLANEOUS								
V	SANITARY VENT - ABOVE GROUND	CAST IRON SANITARY VENT		WATER OR AIR	FILL SYSTEM FROM LOWEST TO HIGHEST POINT	VISUAL INSPECTION WITH NO LEAKS	2015 SPC SECTION 712.0	1.0	N/A
	OPERATING PRESSURE	UP TO 5 PSI							
	PIPE MATERIAL; ALL SIZES	CAST IRON, NO HUB, CISPI 301, ASTM A888							
	JOINTS	NHCI COUPLINGS - STANDARD							
	FITTINGS	CAST IRON, CISPI 301							
W	SANITARY WASTE - ABOVE GROUND	CAST IRON SANITARY WASTE		WATER OR AIR	FILL SYSTEM FROM LOWEST TO HIGHEST POINT	VISUAL INSPECTION WITH NO LEAKS	2015 SPC SECTION 712.0	1.0	N/A
	OPERATING PRESSURE	UP TO 5 PSI							
	PIPE MATERIAL; ALL SIZES	CAST IRON, NO HUB, CISPI 301, ASTM A888							
	JOINTS	NHCI COUPLINGS - STANDARD							
	FITTINGS	CAST IRON, CISPI 301							
SPECIALTIES	CLEANOUT FITTINGS								
ABBREVIATIONS	ABS	ACRYLONITRILE-BUTADIENE-STYRENE (PLASTIC PIPE)							
	ACR	AIR CONDITIONING AND REFRIGERATION (CLEAN & CAPPED)							
	ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS							
	ASTM	AMERICAN SOCIETY FOR TESTING & MATERIALS							
	BMI	BLACK MALLEABLE IRON							
	ERW	ELECTRIC RESISTANCE WELD							
	F	FAHRENHEIT							
	FT HD	FEET OF HEAD (PRESSURE)							
	FPT	FEMALE PIPE THREAD							
	HG	MERCURY (PRESSURE)							
	MED	MEDICAL							
	N/A	NOT APPLICABLE							
	NHCI	NO-HUB CAST IRON							
	NPT	NATIONAL PIPE THREAD							
	PSI	POUNDS PER SQUARE INCH (PRESSURE)							
	PVC	POLYVINYL CHLORIDE							
	PVDF	POLYVINYLIDENE FLUORIDE (PLASTIC PIPE)							
	SCH	SCHEDULE							
	SCH STD	SCHEDULE STANDARD							
	SEC	SEATTLE ENERGY CODE							
	SFGC	SEATTLE FUEL GAS CODE							
	SMC	SEATTLE MECHANICAL CODE							
	SPC	SEATTLE PLUMBING CODE							
	STD WT	STANDARD WEIGHT							
	UL	UNDERWRITERS LABORATORY							

DUCT INSULATION SCHEDULE

DUCT TYPE	DUCT LOCATION	INSULATION R-VALUE	OTHER REQUIREMENTS
SUPPLY, RETURN	NOT WITHIN CONDITIONED SPACE: ON EXTERIOR OF BUILDING, ON ROOF, IN ATTIC IN ENCLOSED CEILING SPACE, IN WALLS, IN GARAGE, IN CRAWL SPACES.	R-7	APPROVED WEATHER PROOF BARRIER
OUTSIDE AIR INTAKE	WITHIN CONDITIONED SPACE	R-7	PER THE W.S.E.C. SECTION 1414.2
SUPPLY, RETURN, OUTSIDE AIR INTAKE	NOT WITHIN CONDITIONED SPACE: IN CONCRETE, IN GROUND	R-5.3	
SUPPLY WITH SUPPLY AIR TEMPERATURE <55°F OR >105°F	WITHIN CONDITIONED SPACE	R-3.3	

NOTE: REQUIREMENTS APPLY TO THE DUCT TYPE LISTED, WHETHER HEATED OR MECHANICALLY COOLED. MECHANICALLY COOLED DUCTS REQUIRING INSULATION SHALL HAVE A VAPOR RETARDER, WITH A PERM RATING NOT GREATER THAN 0.5 AND ALL JOINTS SEALED.

PIPE AND EQUIPMENT INSULATION SCHEDULE

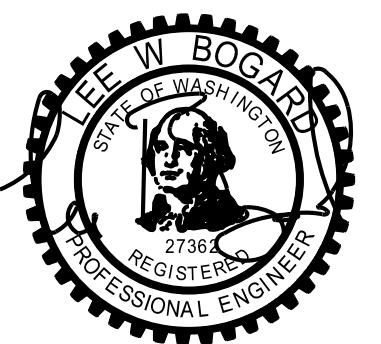
PIPING SYSTEM	TEMP. RANGE Deg. F	THERMAL COND. Btu"m/(hr"R ² Deg. F)	MEAN TEMP. RATING Deg. F	INSULATION MATERIAL	INSULATION THICKNESS (INCHES) BY PIPE SIZE					NOTES
					< 1"	1" TO < 1-1/2"	1-1/2" TO < 4"	4" TO < 8"	8" AND UP	
DOMESTIC COLD WATER	< 60	0.21 - 0.27	75	FIBERGLASS	0.5	0.5	1.0	1.0	1.0	1, 2
DOMESTIC HOT WATER	> 105	0.21 - 0.27	75	FIBERGLASS	1.0	1.0	1.5	1.5	1.5	1, 2

- NOTES:
 1. FOR HOT & COLD PIPING LARGER THAN 2", UTILIZE RIGID INSERTS, INSULATION CONTINUOUS THROUGH THE HANGER, SHEET METAL SHIELD.
 2. FOR COLD PIPES 2" AND SMALLER, UTILIZE RIGID INSERTS, INSULATION CONTINUOUS THROUGH THE HANGER, SHEET METAL SHIELD.

FAN SCHEDULE

EQUIP NO.	FAN TYPE	FAN DIA. FT.	WEIGHT	MAXIMUM RPM	MOTOR			SOUND dBA	DRIVE	MANUFACTURER & MODEL	CONTROL	REMARKS
					HP	VOLTS	PHASE					
CF-1	CEILING PROPELLER	24	343	62	2	120	1	< 55	DIRECT	BIG ASS PFX3-24	VARIABLE SPEED	
CF-2	CEILING PROPELLER	24	343	62	2	120	1	< 55	DIRECT	BIG ASS PFX3-24	VARIABLE SPEED	
CF-3	CEILING PROPELLER	24	343	62	2	120	1	< 55	DIRECT	BIG ASS PFX3-24	VARIABLE SPEED	
CF-4	CEILING PROPELLER	24	343	62	2	120	1	< 55	DIRECT	BIG ASS PFX3-24	VARIABLE SPEED	
CF-5	CEILING PROPELLER	24	343	62	2	120	1	< 55	DIRECT	BIG ASS PFX3-24	VARIABLE SPEED	
CF-6	CEILING PROPELLER	24	343	62	2	120	1	< 55	DIRECT	BIG ASS PFX3-24	VARIABLE SPEED	
CF-7	CEILING PROPELLER	24	343	62	2	120	1	< 55	DIRECT	BIG ASS PFX3-24	VARIABLE SPEED	
CF-8	CEILING PROPELLER	24	343	62	2	120	1	< 55	DIRECT	BIG ASS PFX3-24	VARIABLE SPEED	
CF-9	CEILING PROPELLER	24	343	62	2	120	1	< 55	DIRECT	BIG ASS PFX3-24	VARIABLE SPEED	
CF-10	CEILING PROPELLER	24	343	62	2	120	1	< 55	DIRECT	BIG ASS PFX3-24	VARIABLE SPEED	
CF-11	CEILING PROPELLER	24	343	62	2	120	1	< 55	DIRECT	BIG ASS PFX3-24	VARIABLE SPEED	
CF-12	CEILING PROPELLER	24	343	62	2	120	1	< 55	DIRECT	BIG ASS PFX3-24	VARIABLE SPEED	

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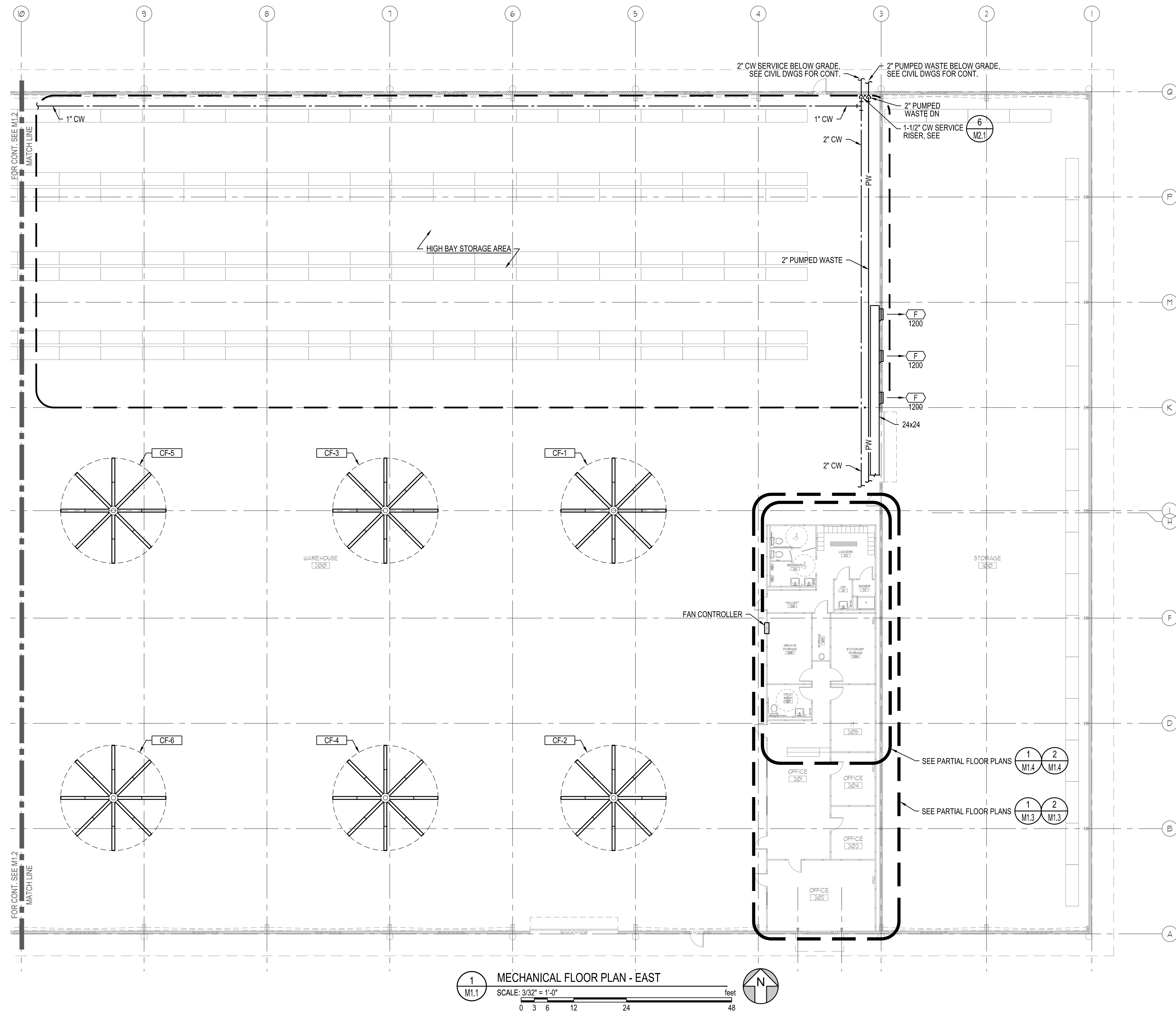
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SBM WAREHOUSE GUYANA

GUYANA

MECHANICAL SCHEDULES

DATE	3/20/19	SHEET	
SCALE	NONE		
DRAWN	JC		
CHECK	LBS		
CONTRACT			
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		M0.2	



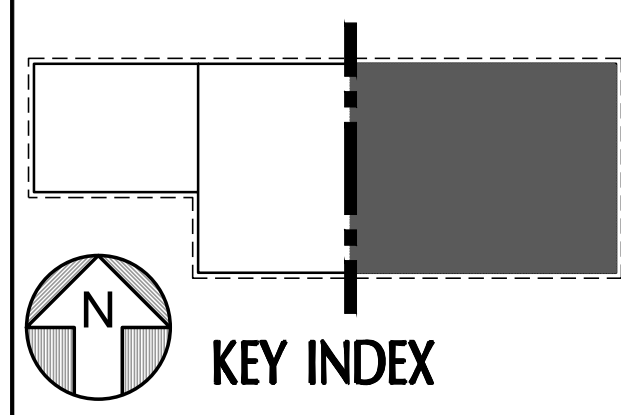
1
M1.1
MECHANICAL FLOOR PLAN - EAST
SCALE: 3/32" = 1'-0"
0 3 6 12 24 48 feet

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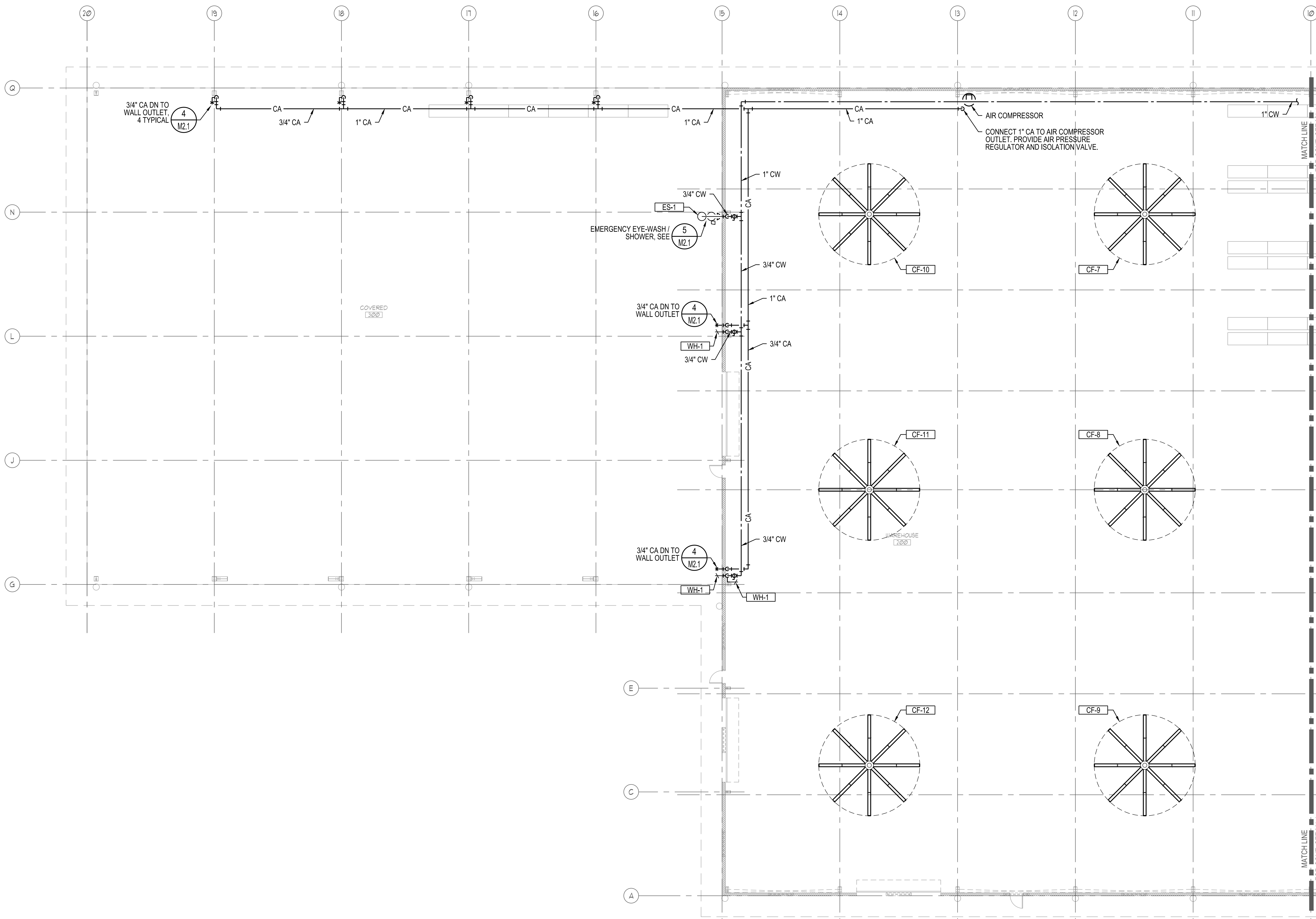


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GUYANA

GUYANA

MECHANICAL
FLOOR PLAN
- EAST

DATE	3/20/19	SHEET	M1.1
SCALE	3/32" = 1'-0"		
DRAWN	JC		
CHECK	LWB		
CONTRACT			
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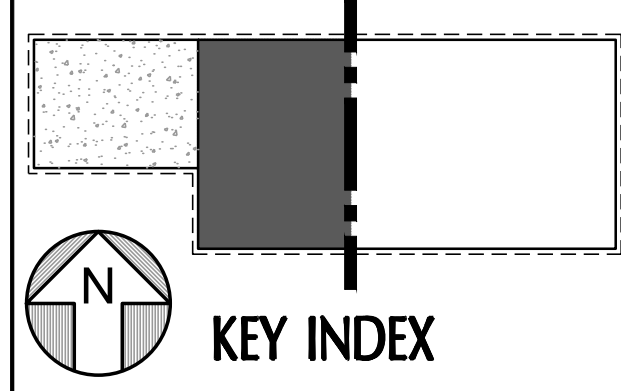
1
M1.2
MECHANICAL FLOOR PLAN - WEST
SCALE: 3/32" = 1'-0"
feet
0 3 6 12 24 48
N

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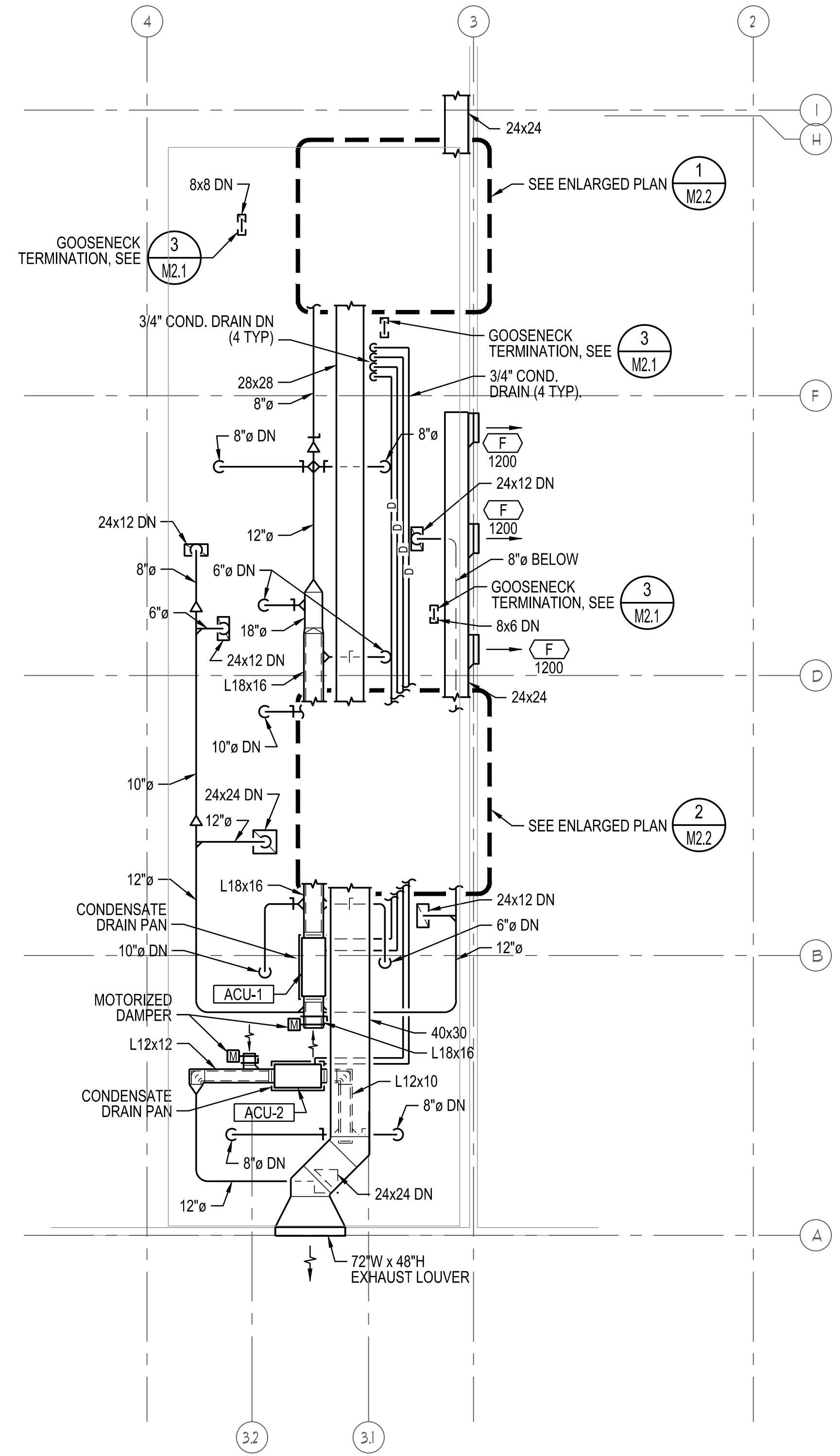


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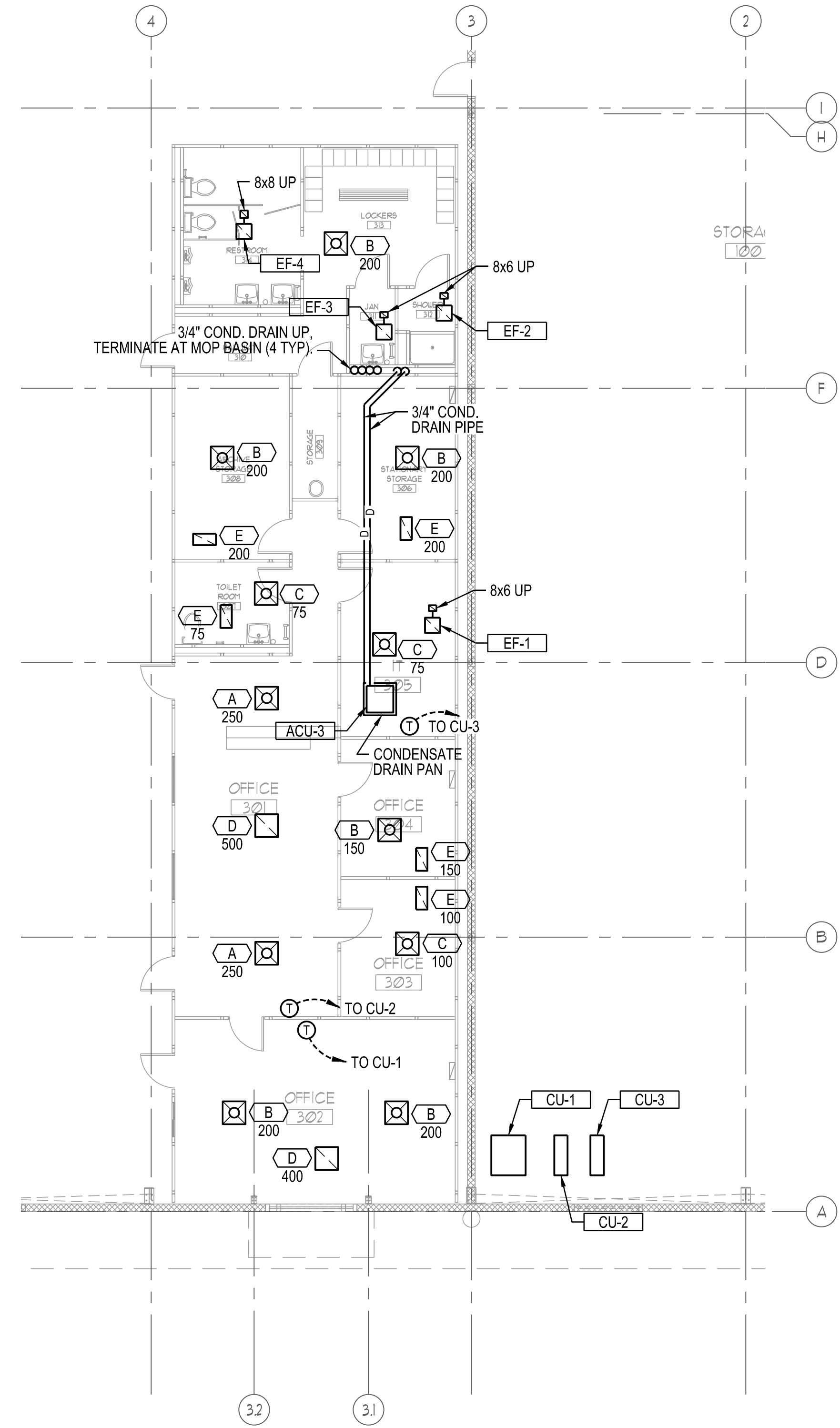
GUYANA

MECHANICAL
FLOOR PLAN
- WEST

DATE	3/20/19	SHEET	M1.2
SCALE	3/32" = 1'-0"		
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CONTRACT			
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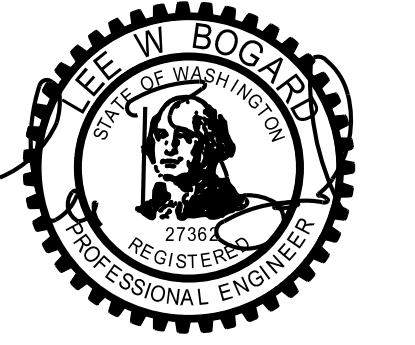


2 MEZZANINE HVAC PLAN
 M1.3 SCALE: 1/8" = 1'-0" feet



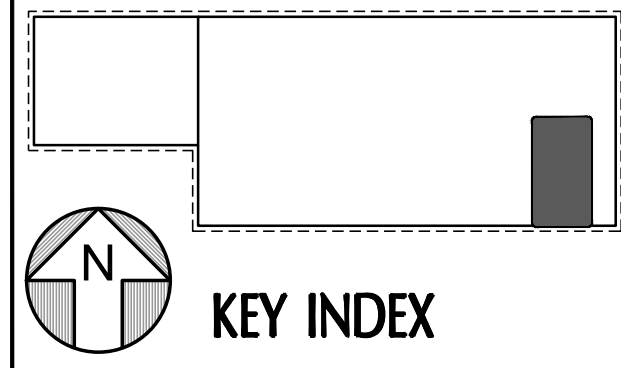
1 PARTIAL HVAC FLOOR PLAN
 M1.3 SCALE: 1/8" = 1'-0" feet

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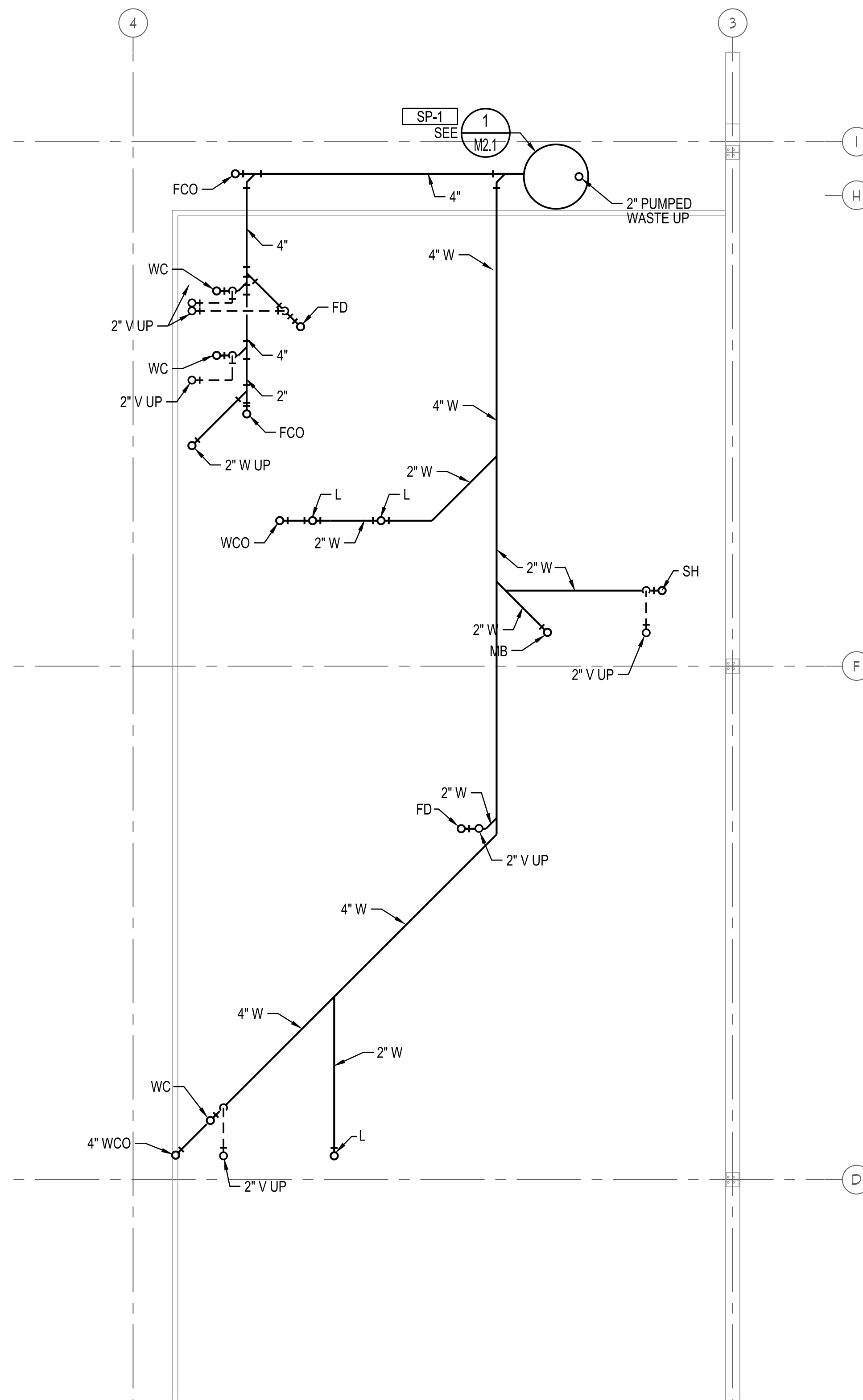
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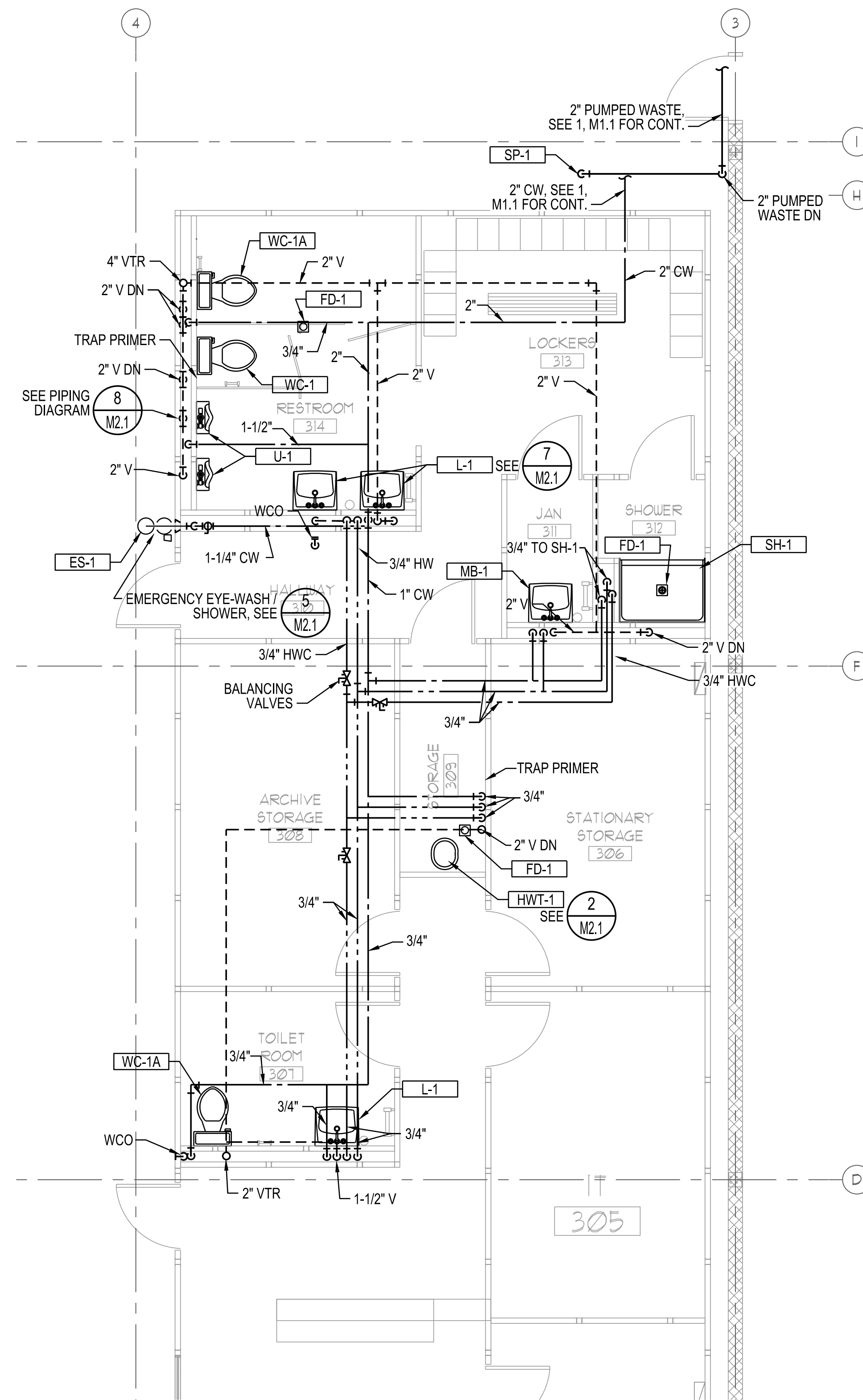
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PARTIAL MECHANICAL FLOOR PLANS

DATE: 3/20/19	SHEET M1.3
SCALE: 1/8" = 1'-0"	
DRAWN: JC	
CHECK: LMB	
CONTRACT: 2019	
COPYRIGHT: 2019	



2 PARTIAL UNDER FLOOR PLAN
 M1.4 SCALE: 1/4" = 1'-0" feet



1 PARTIAL PLUMBING PLAN
 M1.4 SCALE: 1/4" = 1'-0" feet

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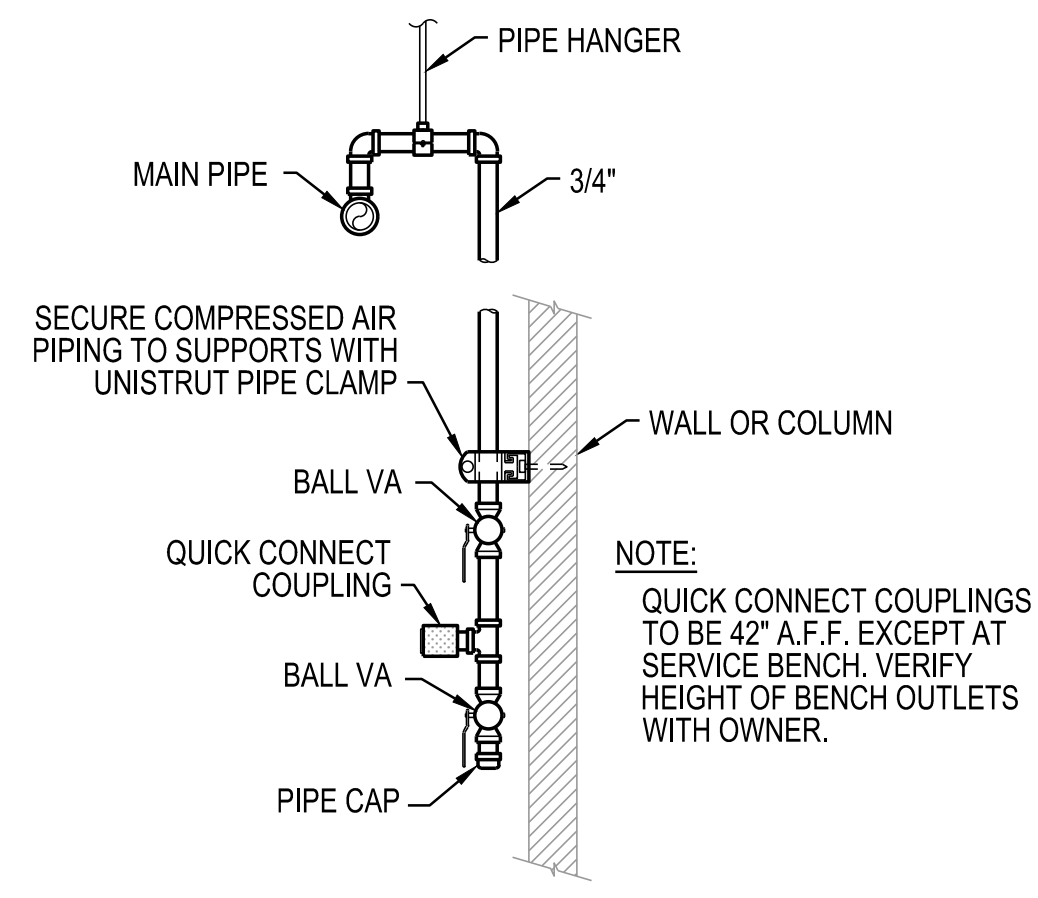
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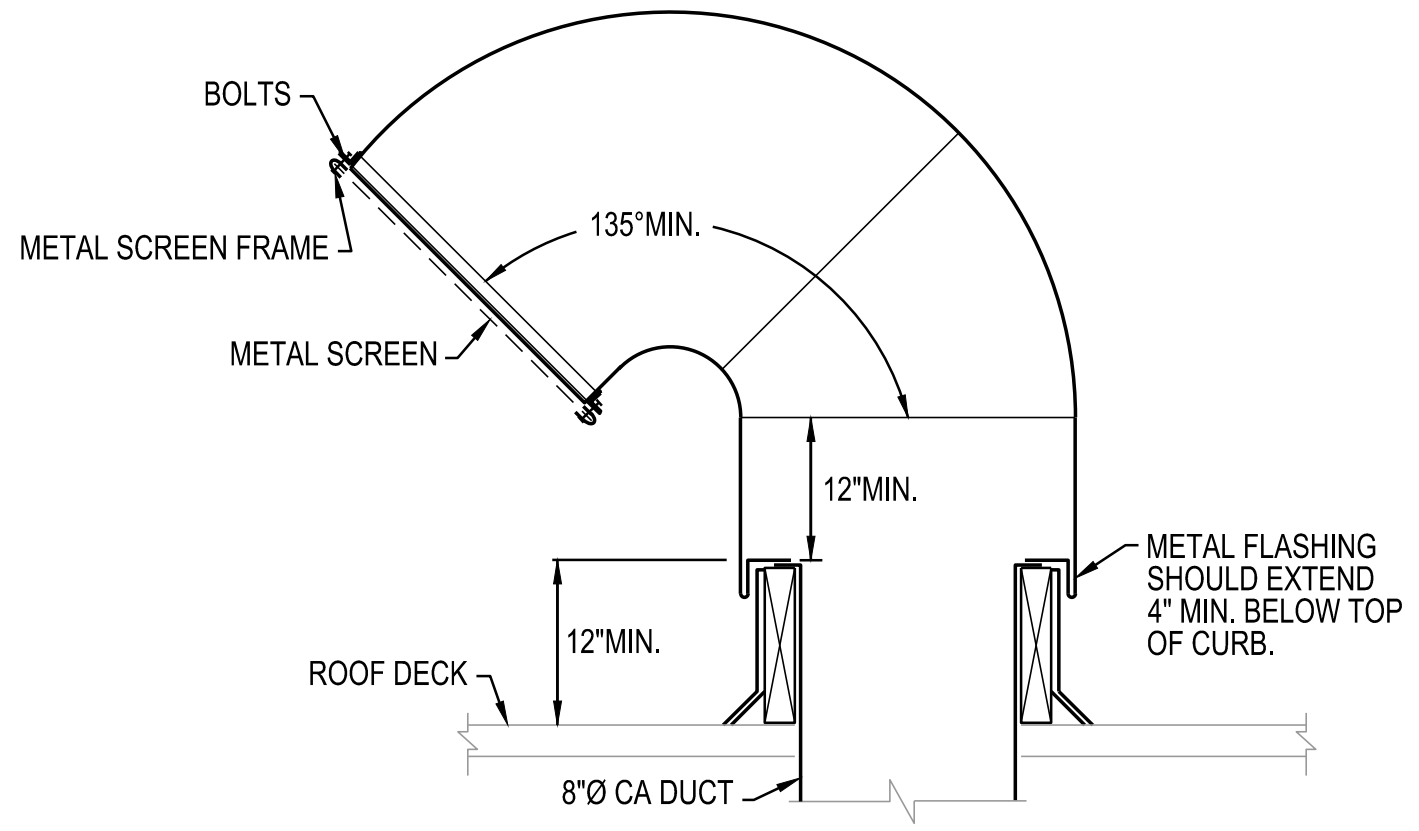
GUYANA

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PLUMBING
FLOOR PLANS

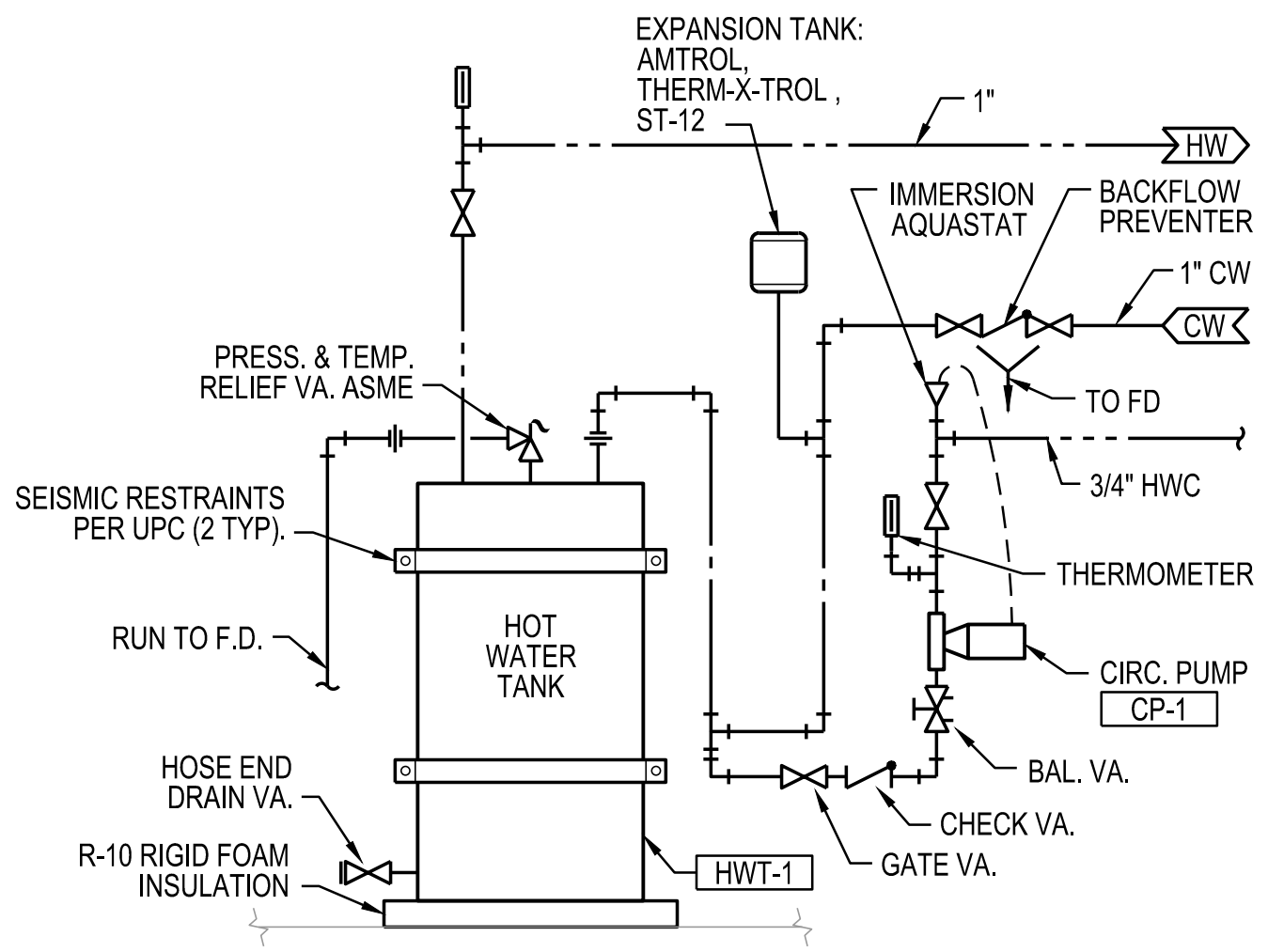
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SCALE	1/4" = 1'-0"	M1.4
DRAWN	JC	
CHECK	LMB	
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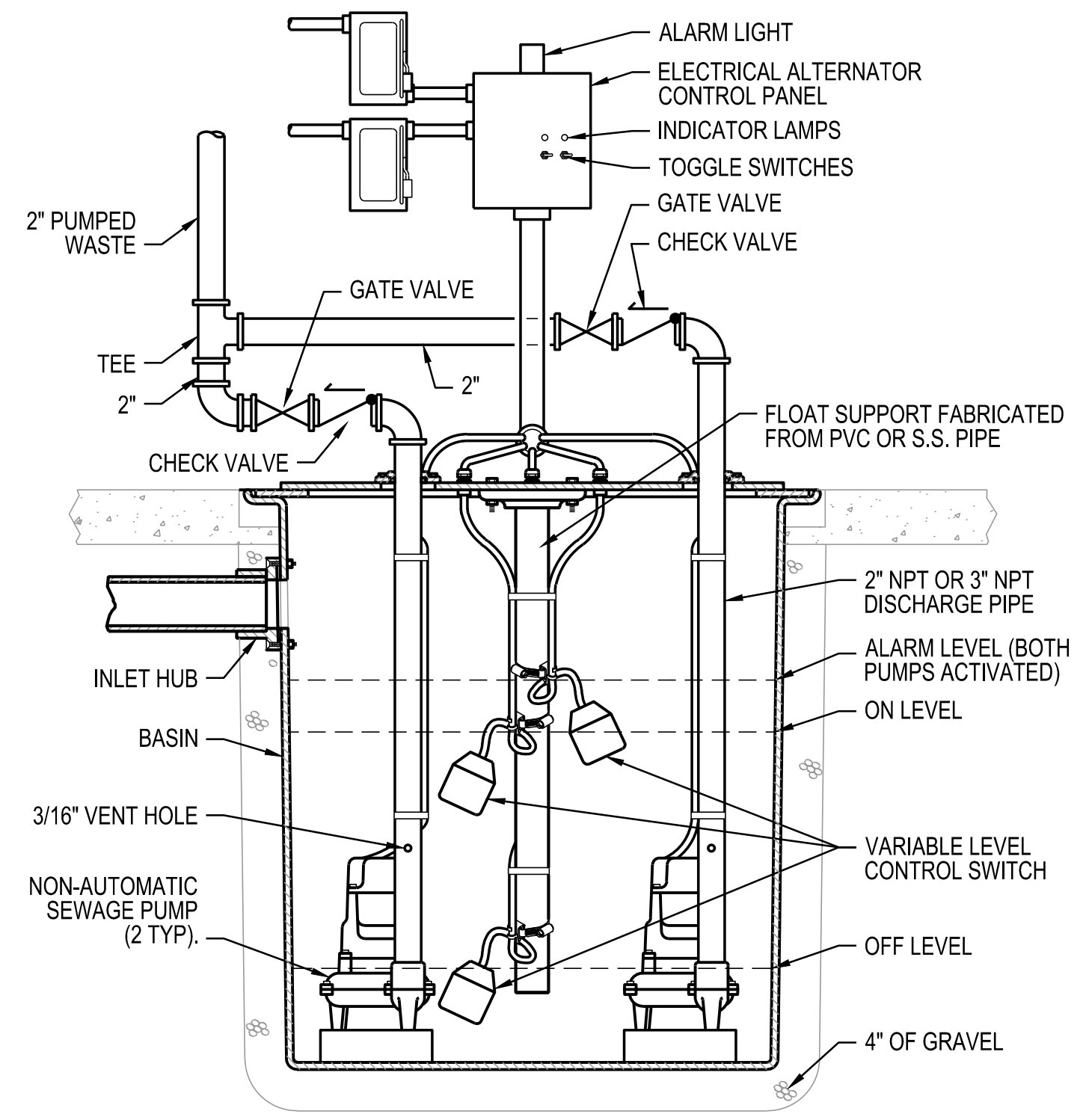
4 AIR DROP DETAIL
M2.1 SCALE: NOT TO SCALE



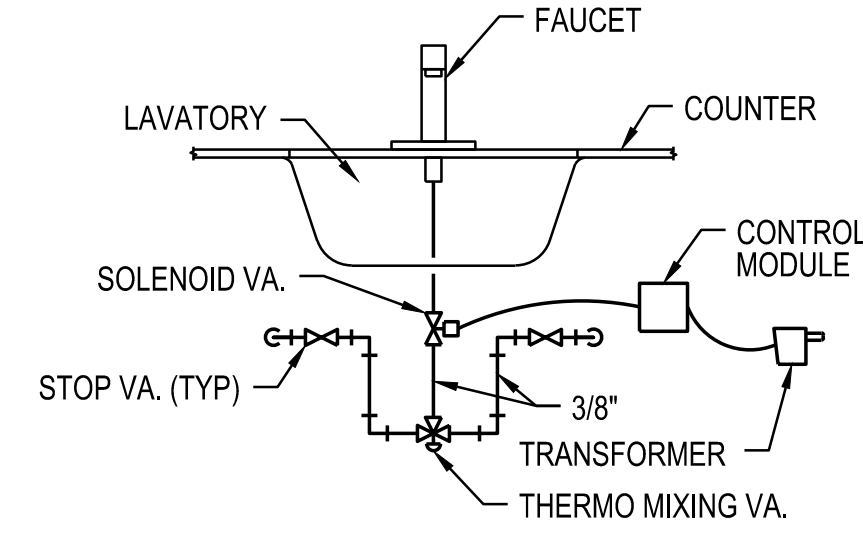
3 GOOSENECK TERMINATION
M2.1 SCALE: NOT TO SCALE



2 WATER HEATER DIAGRAM
M2.1 SCALE: NOT TO SCALE

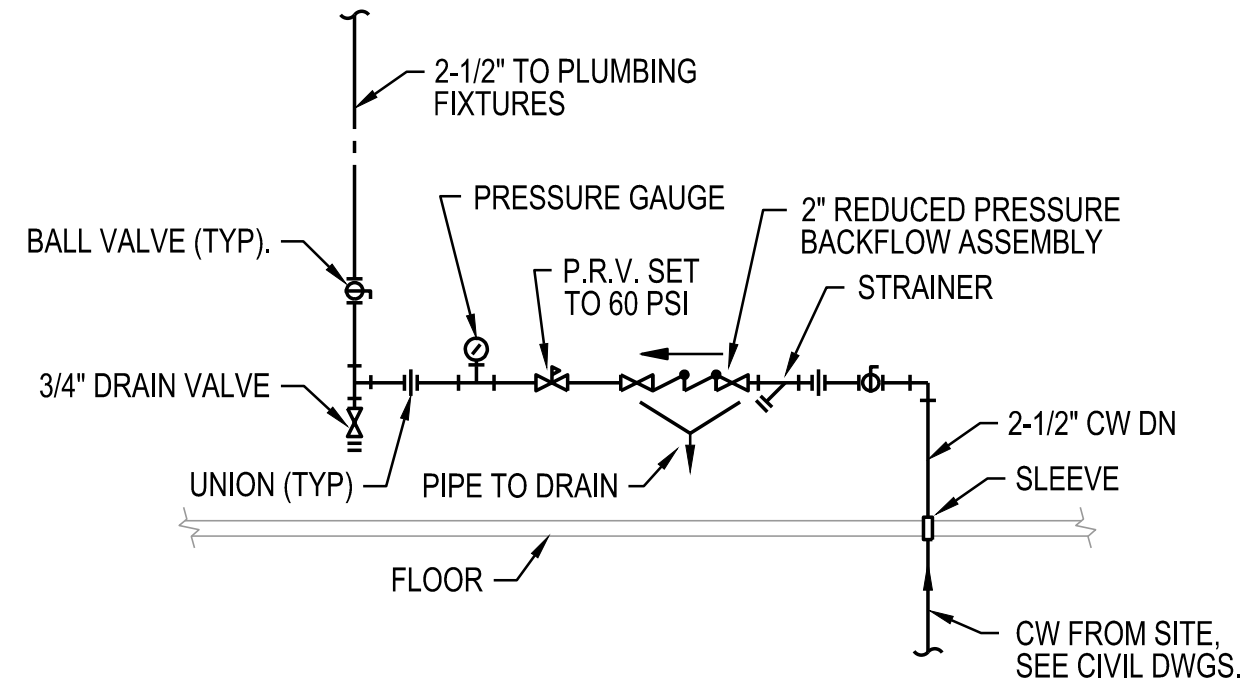


1 SUMP PUMP DETAIL
M2.1 SCALE: NOT TO SCALE

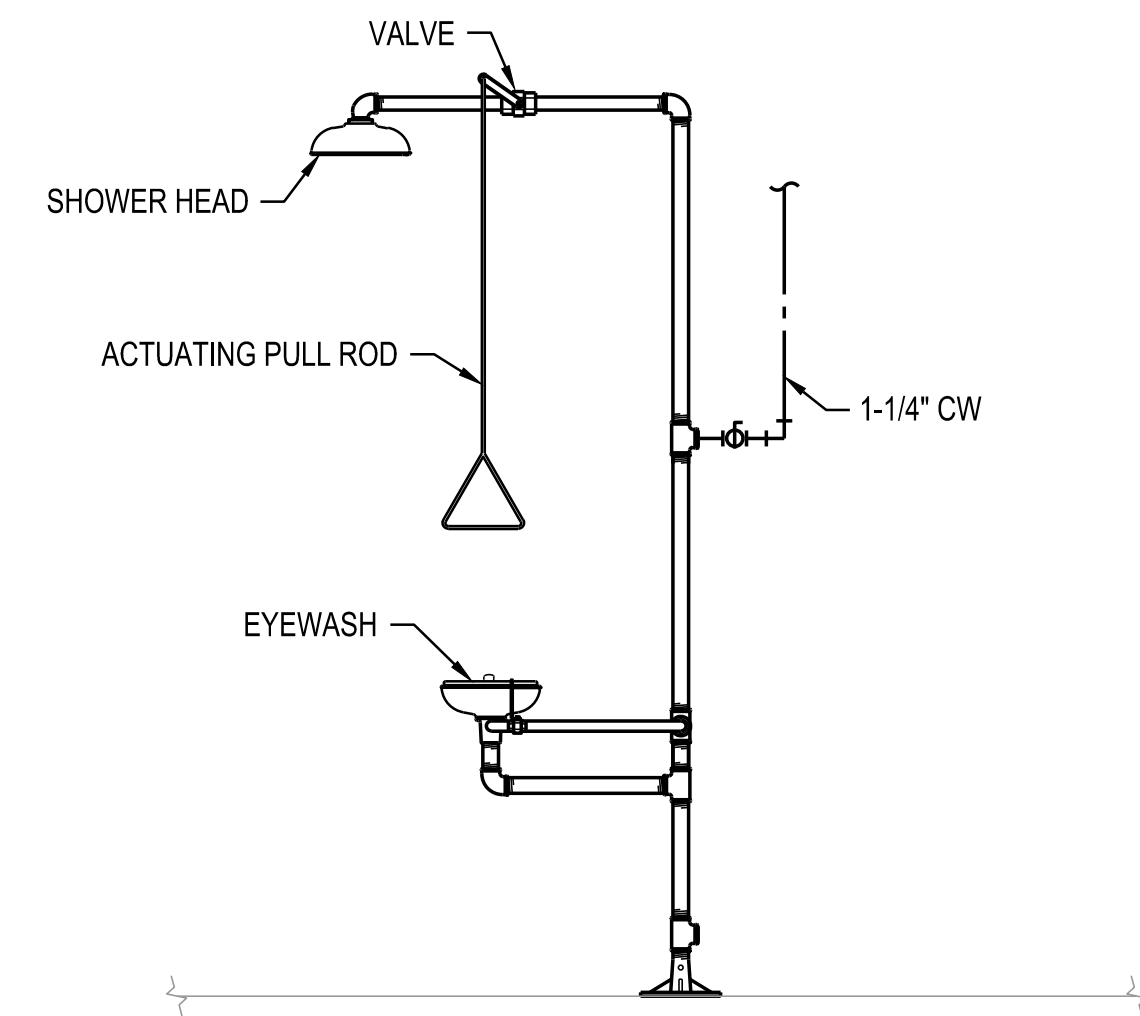


- NOTES:
1. PROVIDE TRANSFORMER TO SUIT QUANTITIES OF LAVATORIES.
2. PROVIDE EXTENSION CABLES AS REQUIRED.

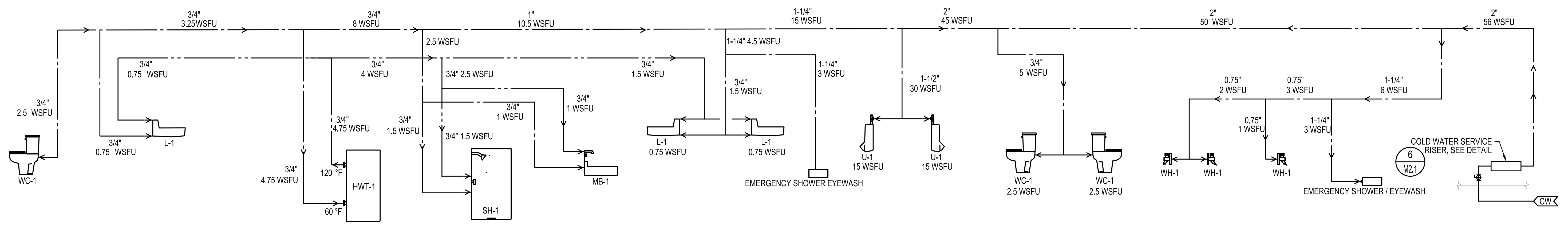
7 LAVATORY PIPING DIAGRAM
M2.1 SCALE: NOT TO SCALE



6 CW RISER DIAGRAM
M2.1 SCALE: NOT TO SCALE

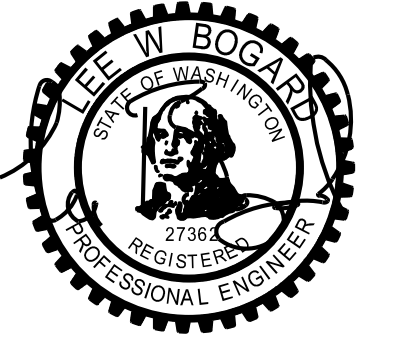


5 EMERGENCY EYE-WASH / SHOWER DETAIL
M2.1 SCALE: NOT TO SCALE



8 DOMESTIC HOT AND COLD WATER PIPING DIAGRAM
M2.1 SCALE: NOT TO SCALE

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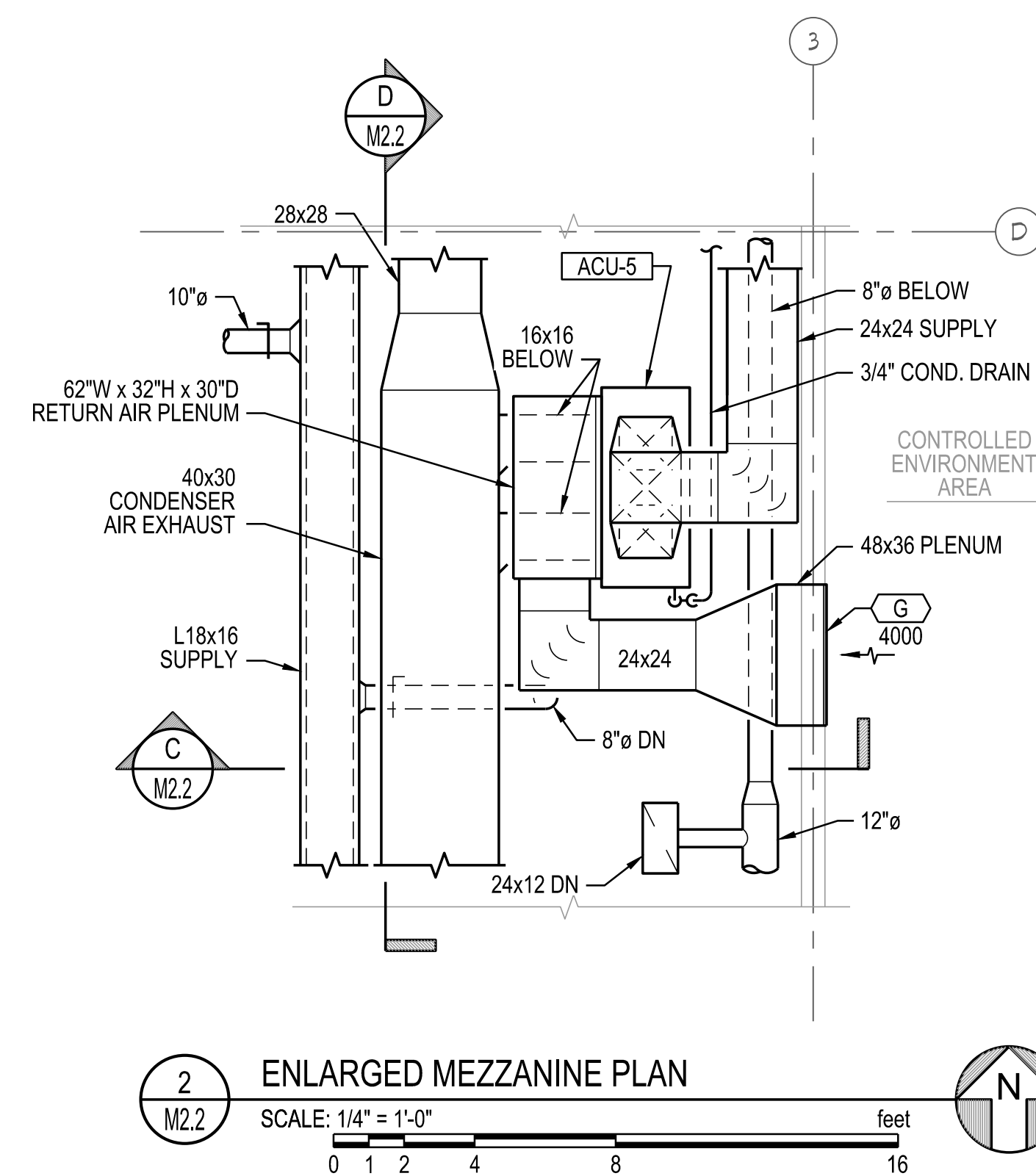
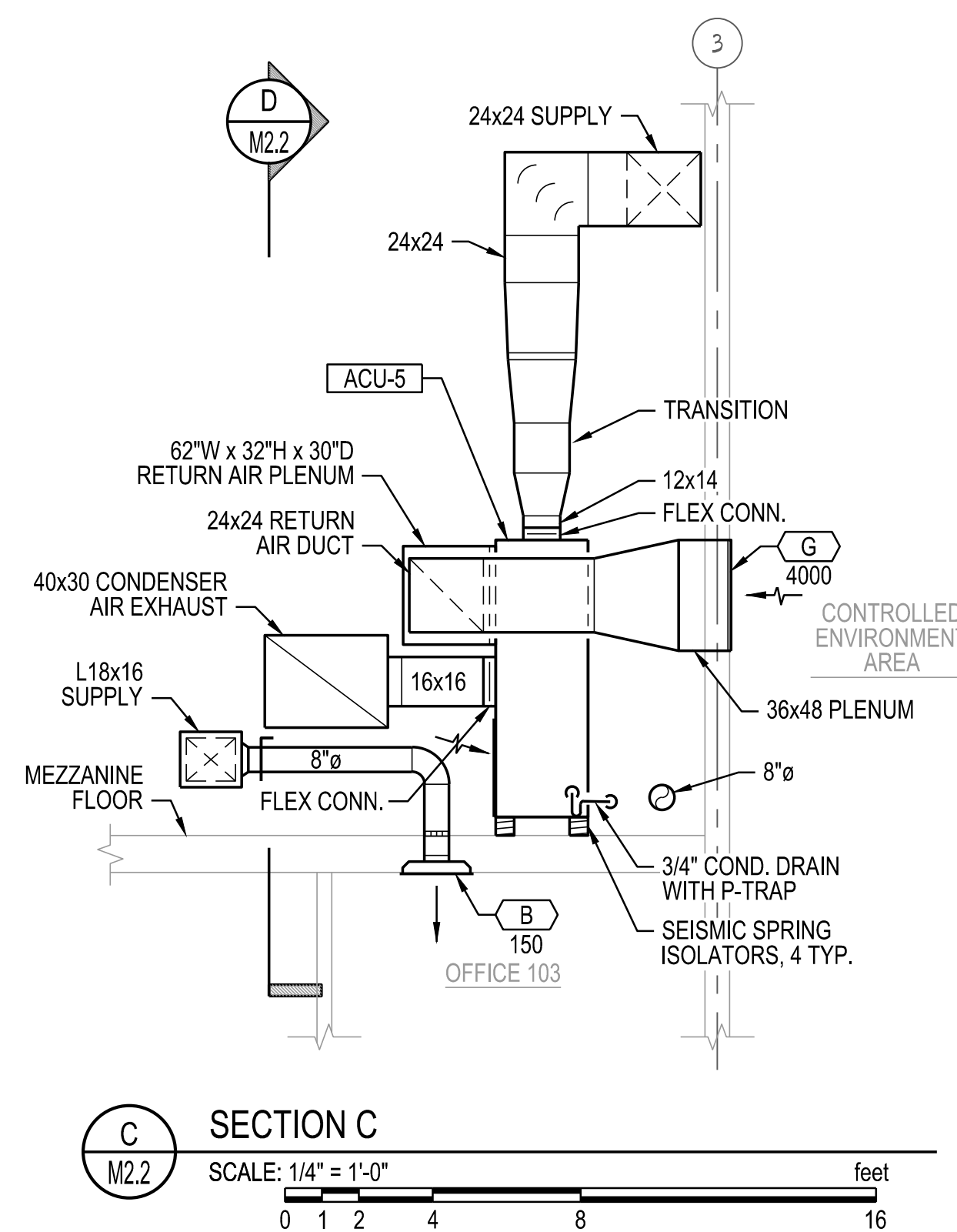
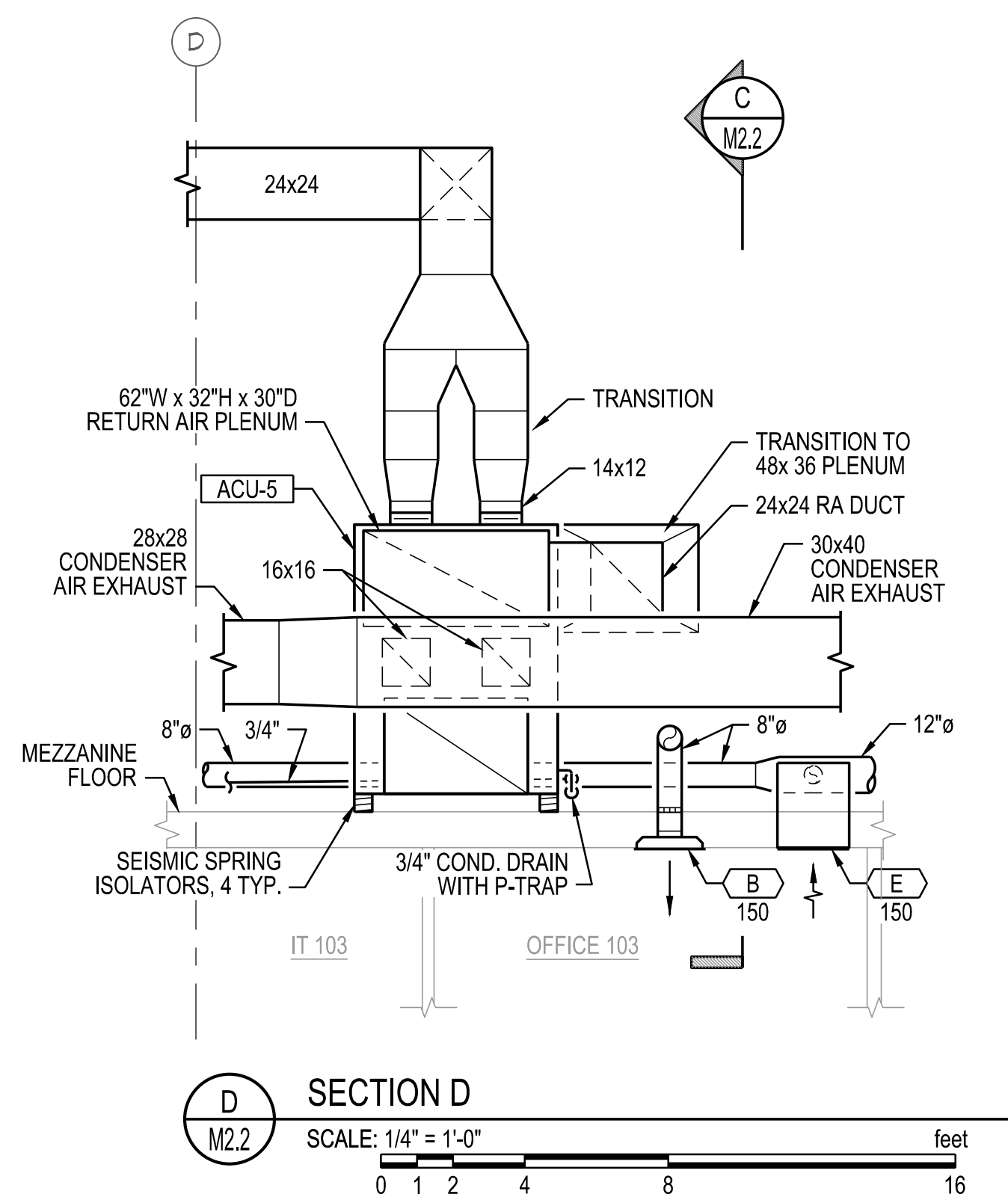
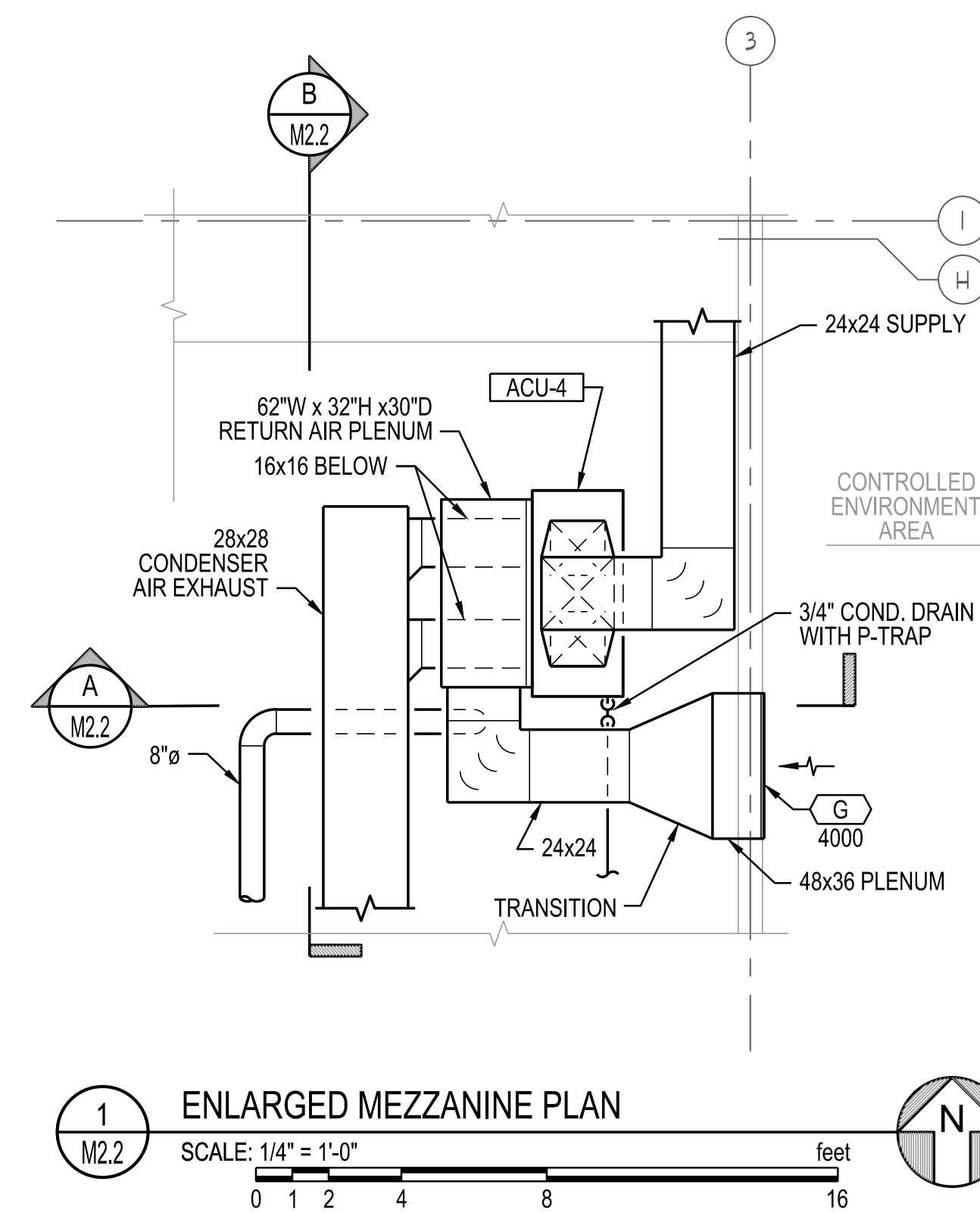
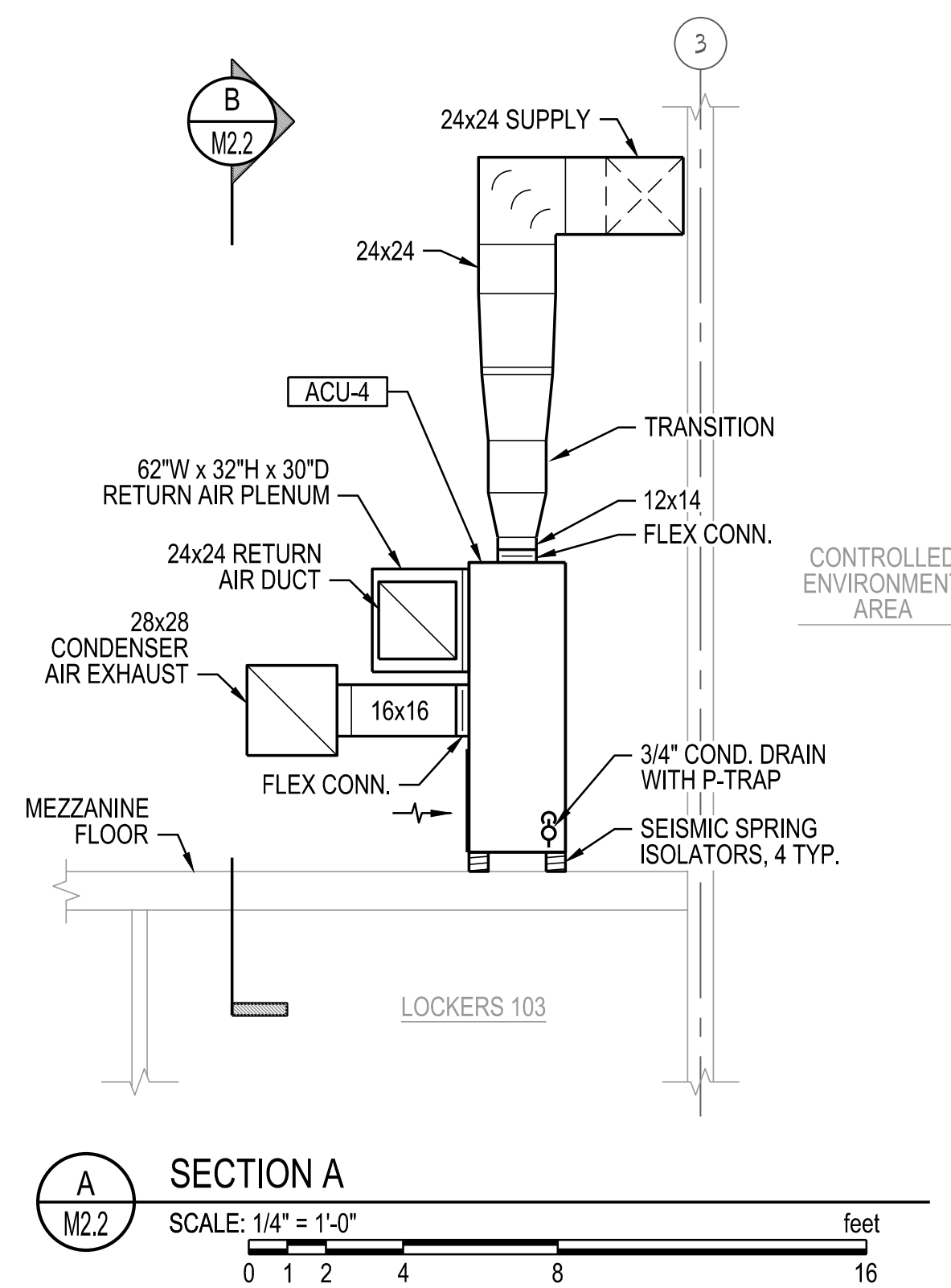
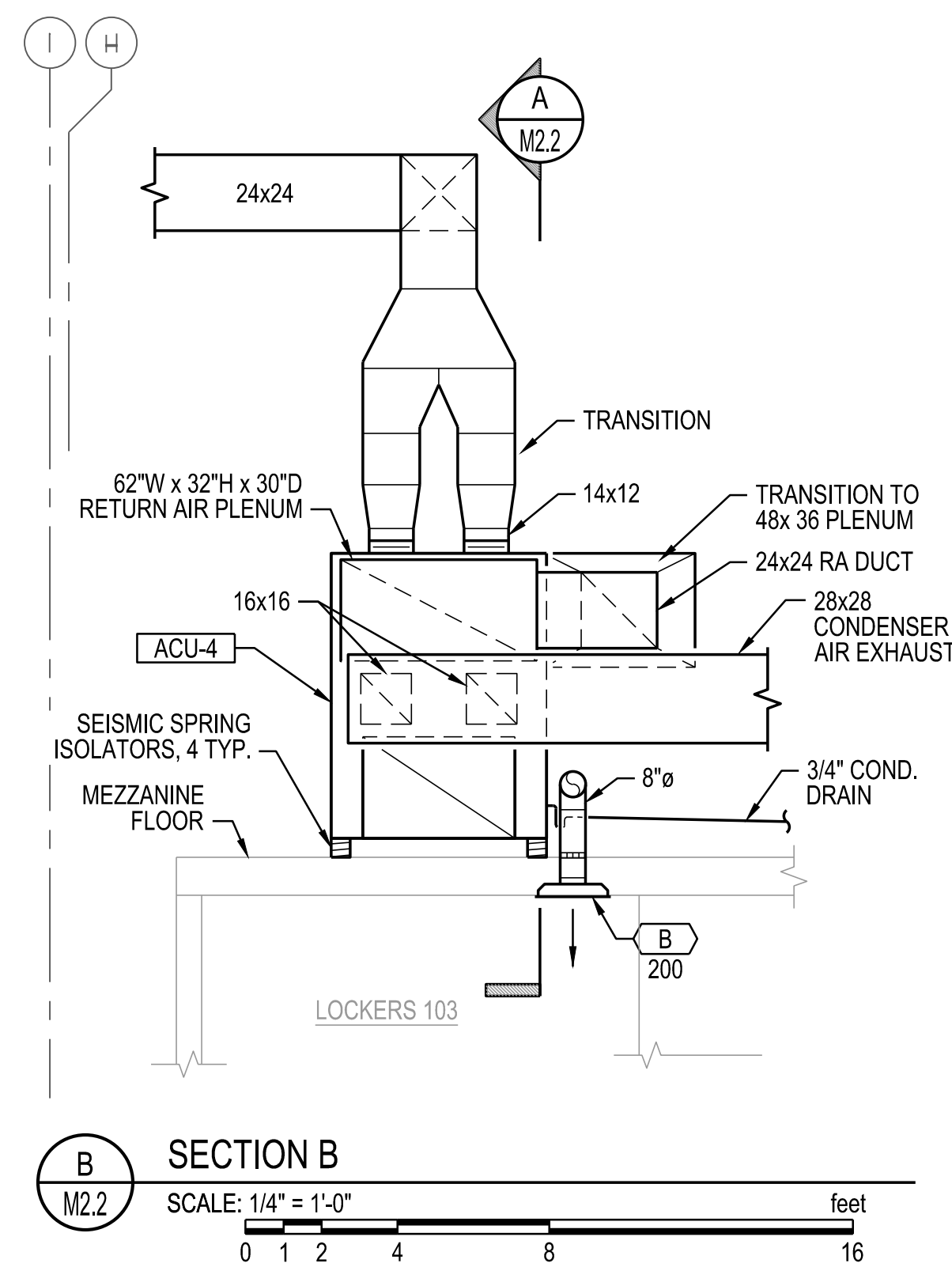
KEY INDEX

SBM WAREHOUSE
GUYANA

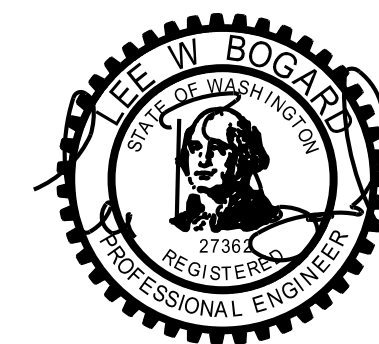
GUYANA

MECHANICAL
DETAILS AND
DIAGRAMS

DATE	3/20/19	SHEET
SCALE	AS NOTED	M2.1
DRAWN	JC	
CHECK	LSB	
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5/15/2019

KEY INDEX

SBM WAREHOUSE
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GUYANA

ENLARGED
MECHANICAL
PLANS AND
SECTIONS

DATE	3/20/19	SHEET
SCALE	AS NOTED	M2.2
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CHECK	LMS	
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LIGHTING FIXTURE SCHEDULE ①

TYPE	MANUFACTURER	LAMPS	WATTS	MOUNTING
A1	EATON 14FP3040HEFPSURF14	LED	25	SURFACE
A2	HALO SMD6R12940WHE	LED	10	SURFACE
C1	METALUX HBLLEDL518SENCLUNVL8401ED2	LED	122	SUSPENDED ②
C2	METALUX HBLLEDL530SEWCLUNVL8401ED3 Y-TOGGLE-2-10'	LED	193	SUSPENDED ②
C3	EATON VT4LEDL530DRUNVL840CD3WL SSLVT4LEDSSMBKPK	LED	179	SUSPENDED ②
WP1	ILP WPSP30WLEDUNIV4000K	LED	28	WALL +8' AFG
WP2	ILP WPLP80WLEDUNIV4000K	LED	77	WALL +10' AFG
X1	SURE-LITES LPX7SD	LED	1	UNIVERSAL
X2	SURE-LITES SEL50SD	LED	1	WALL
X3	SURE-LITES LPXC50SD	LED	5	WALL
X4	EATON SELD60SD	LED	5	BEAM STRUCTURE +30'-0" AFF


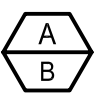


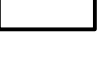
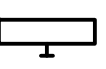






LIGHTING FIXTURE SCHEDULE NOTES:



















- ① ALL LIGHT FIXTURES OR EQUAL AND TO HAVE ETL LABEL.
- ② LIGHT FIXTURE SHALL BE HUNG FROM STRUCTURE AT 29'-0" AFF WITH AIRCRAFT CABLE.

GENERAL NOTES:

- INSTALL SEISMIC BRACING FOR ALL ELECTRICAL EQUIPMENT AND CONDUIT PER IBC REQUIREMENTS.
- ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE AND DO NOT NECESSARILY REFLECT ACTUAL CONDUIT ROUTING, ATTACHMENTS, PULL BOXES, FITTINGS AND ACCESSORIES.
- ELECTRICAL CONTRACTOR SHALL VISIT THE JOBSITE PRIOR TO BEGINNING WORK IN ORDER TO OBSERVE EXISTING CONDITIONS, ELECTRICAL SERVICE VOLTAGE, PREFABRICATED MODULAR OFFICES, VERIFY SIZE, LOCATION AND CONDITION OF ALL SYSTEMS, EQUIPMENT, UTILITIES AND BUILDING STRUCTURE.
- REVIEW SHOP DRAWINGS OF ALL OWNER OR SUBCONTRACTOR EQUIPMENT PRIOR TO ORDERING OR START OF ELECTRICAL ROUGH-IN.
- ELECTRICAL CONTRACTOR SHALL COORDINATE WITH OWNER AND/OR LOCAL UTILITY FOR OWNER PROVIDED DIESEL GENERATOR PLANT OR UTILITY ELECTRICAL SERVICE TO THE SITE/ BUILDING PRIOR TO ORDERING EQUIPMENT OR START OF ELECTRICAL ROUGH-IN WORK.
- ELECTRICAL CONTRACTOR SHALL REFER TO SHEET A9.1 FOR APPLICABLE CODES AND DEFERRED/SEPARATE SUBMITTAL REQUIREMENTS. ALL WORK SHALL BE INSTALLED PER THE 2017 NATIONAL ELECTRICAL CODE AND EQUIPMENT UL LISTED.

ELECTRICAL SYMBOLS LEGEND

	DETAIL/SECTION IDENTIFICATION: A = DETAIL/SECTION LETTER, B = SHEET NUMBER WHERE DETAIL/SECTION IS DRAWN.
	EQUIPMENT CONNECTION CALLOUT. A, B EQUAL EQUIPMENT IDENTIFICATION ON MECHANICAL OR KITCHEN EQUIPMENT CONNECTION SCHEDULES. VERIFY EXACT EQUIPMENT REQUIREMENTS ON SHOP DRAWING EQUIPMENT SUBMITTALS PRIOR TO ROUGH-IN. DO NO ROUGH-IN FOR EQUIPMENT PRIOR TO REVIEW OF SUBMITTALS. REPORT ANY DIFFERENCES IN REQUIREMENTS TO ENGINEER IN WRITING.
	LED EXIT LIGHT WITH BATTERY, UNIVERSAL MOUNTING.
	LED EXIT / FLOOD LIGHT COMBINATION WITH BATTERY.
	LED PATHWAY EGRESS FLOODLIGHT WITH BATTERY.
	LED LIGHT FIXTURE, SURFACE MOUNTED ON CEILING, PENDANT OR AIRCRAFT CABLE HUNG FROM CEILING.
	LED LIGHT FIXTURE, WALL MOUNTED.
	LED WALL MOUNT LIGHT FIXTURE.
	JUNCTION BOX.
A1	LIGHT FIXTURE TYPE. A1 = SPECIFIC LIGHTING FIXTURE REFERENCED ON LIGHTING FIXTURE SCHEDULE.
	POWER PANEL. VOLTAGE, PHASE AND CIRCUIT BREAKERS PER PANEL SCHEDULES.
	DUPLEX RECEPTACLE 20A, 125 VOLT WALL MOUNTED AT 30 INCHES IN WAREHOUSE AREA. G = GROUND FAULT INTERRUPTING, WP = NEMA 3R "IN-USE COVER."
	FOURPLEX RECEPTACLE 20A, 125 VOLT, WALL MOUNTED AT 30 INCHES AFF IN WAREHOUSE AREA. PROVIDE CAST BOX AND METAL COVERS IN WAREHOUSE AREA.
	SPECIAL RECEPTACLE. AMPERAGE AND VOLTAGE AS SHOWN. MOUNT AT 30 INCHES AFF.
	EQUIPMENT CONNECTION. PROVIDE PER NEC AND MANUFACTURERS REQUIREMENTS AND/OR RECOMMENDATIONS.
	LIQUID TIGHT FLEXIBLE RACEWAY WHIP. PROVIDE GROUND CONDUCTORS PER NEC.
	A-1,3 ADJACENT TO ARROW INDICATES HOMERUN OF CONDUCTORS IN CONDUIT MC CABLE FOR CIRCUITS 1 AND 3 TO PANEL "A".
	HASH MARKS INDICATE NUMBER OF #12 CONDUCTORS IN CODE SIZE CONDUIT. NO HASH MARKS INDICATES 2-#12 CONDUCTORS PLUS GROUND IN 3/4" CONDUIT, LONG HASH MARKS INDICATES NEUTRAL CONDUCTOR. / INDICATES GROUND CONDUCTOR. MC CABLE MAY BE USED FOR SURFACE ABOVE 10'-0" IN WAREHOUSE AND WHERE CONCEALED IN OFFICE AREA. CONDUCTORS SHALL HAVE COLORED INSULATION EXCEPT WIRES LARGER THAN #8 MAY BE BLACK WITH COLORED TAPE IDENTIFICATION AT ALL TERMINATIONS AND SPLICES. ADDITIONAL COLORS MAY BE USED WHERE SUCH COLORS WILL HELP IN IDENTIFYING WIRES AND DIFFERENT SYSTEMS.
	208/120 VOLT SYSTEM A PHASE - BLACK B PHASE - RED C PHASE - BLUE NEUTRAL - WHITE GROUNDING - GREEN SWITCHED WIRES - OTHER COLORS
	480/277 VOLT SYSTEM A PHASE - BROWN B PHASE - ORANGE C PHASE - YELLOW NEUTRAL - GRAY GROUNDING - GREEN WITH YELLOW STRIP SWITCHED WIRES - OTHER COLORS
	WALL MOUNTED, 2-GANG, REEFER RECEPTACLE BOX. ESL E2-R32-480-40-22SNDPP-SP OR EQUAL.

S	LIGHT SWITCH TOGGLE TYPE, SINGLE POLE, SUBSCRIPTS: 3 = THREE WAY, a, b, c, ETC = NUMBER OF SWITCHES AT THE LOCATION AND SPECIFIC FIXTURES CONTROLLED. MOUNT AT 42 INCHES AFF.
	DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH WITH FUSES.
	MOTOR RATED TOGGLE SWITCH WITH OVERLOAD HEATER(S), SIZE PER NEC AND MANUFACTURERS REQUIREMENTS.
	DRY TYPE TRANSFORMER. SIZE AND TYPE AS NOTED. PROVIDE GROUNDING AS REQUIRED BY NEC TABLE 250.102(C)(1).
	GROUND PER NEC.
	MANUAL FIRE ALARM PULL STATION. WALL MOUNT AT 42 INCHES AFF.
	FIRE ALARM HORN/ADA STROBE. WALL MOUNT AT 80 INCHES AFF. SUBSCRIPT INDICATES CANDELA LEVEL.
	FIRE ALARM ADA STROBE, WALL MOUNT AT 80 INCHES AFF. SUBSCRIPT INDICATES CANDELA LEVEL.
	FIRE ALARM MINI HORN/ADA STROBE, WALL MOUNT AT 80 INCHES AFF. SUBSCRIPT INDICATES CANDELA LEVEL.
	FIRE ALARM CONTROL PANEL (ADDRESSABLE) AND ANNUNCIATOR SILENT KNIGHT 5208 OR EQUAL.
	REMOTE FIRE ALARM ANNUNCIATOR. COORDINATE LOCATION WITH LOCAL AHJ.
	SMOKE DETECTOR, PHOTOELECTRIC.
	HEAT DETECTOR, 155 DEGREE C.
	DUCT SMOKE DETECTOR. SEE MECH FOR REQUIRED LOCATIONS.
	FIRE ALARM BEAM DETECTOR. SEE DRAWINGS FOR SUGGESTED MOUNTING.
	FIRE ALARM BEAM DETECTOR TARGET. SEE DRAWINGS FOR SUGGESTED MOUNTING.
	AVAILABLE FAULT CURRENT
	TRANSIENT VOLTAGE SURGE SUPPRESSION. SURFACE OR INTEGRAL TO PANEL AND PROVIDED BY PANEL MANUFACTURER.
WP	WEATHERPROOF

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5/14/2019
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GEORGETOWN
GUYANA

GUYANA

ELECTRICAL SYMBOLS
LEGEND/LIGHTING
FIXTURE SCHEDULE

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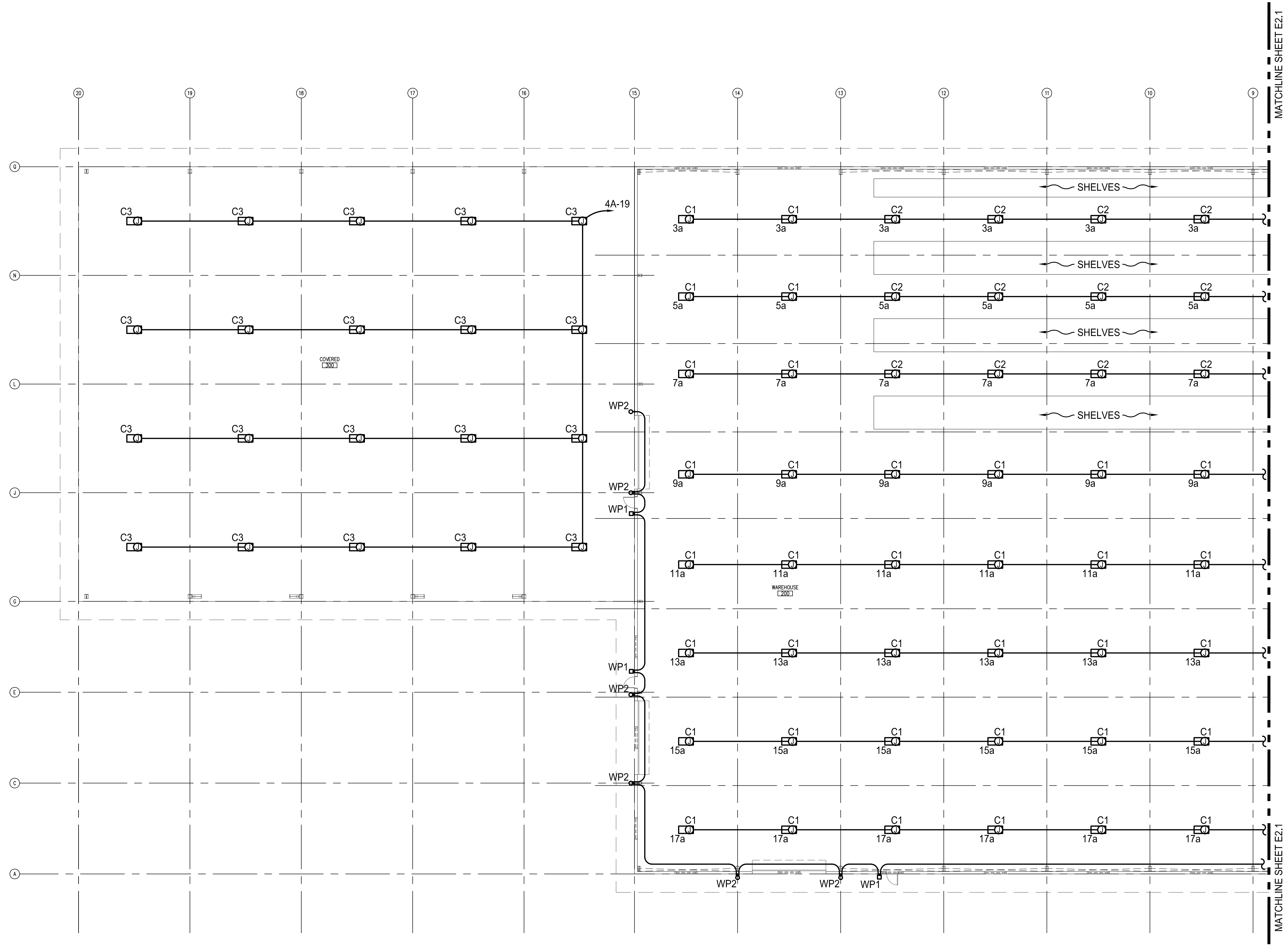
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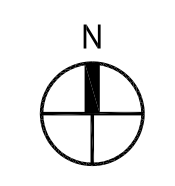
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PARTIAL LIGHTING
FLOOR PLAN

DATE	5/14/2019	SHEET	E2.0
SCALE	AS NOTED		
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PARTIAL LIGHTING FLOOR PLAN - WEST
SCALE: 1/16"=1'-0"



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MATCHLINE SHEET E2.1

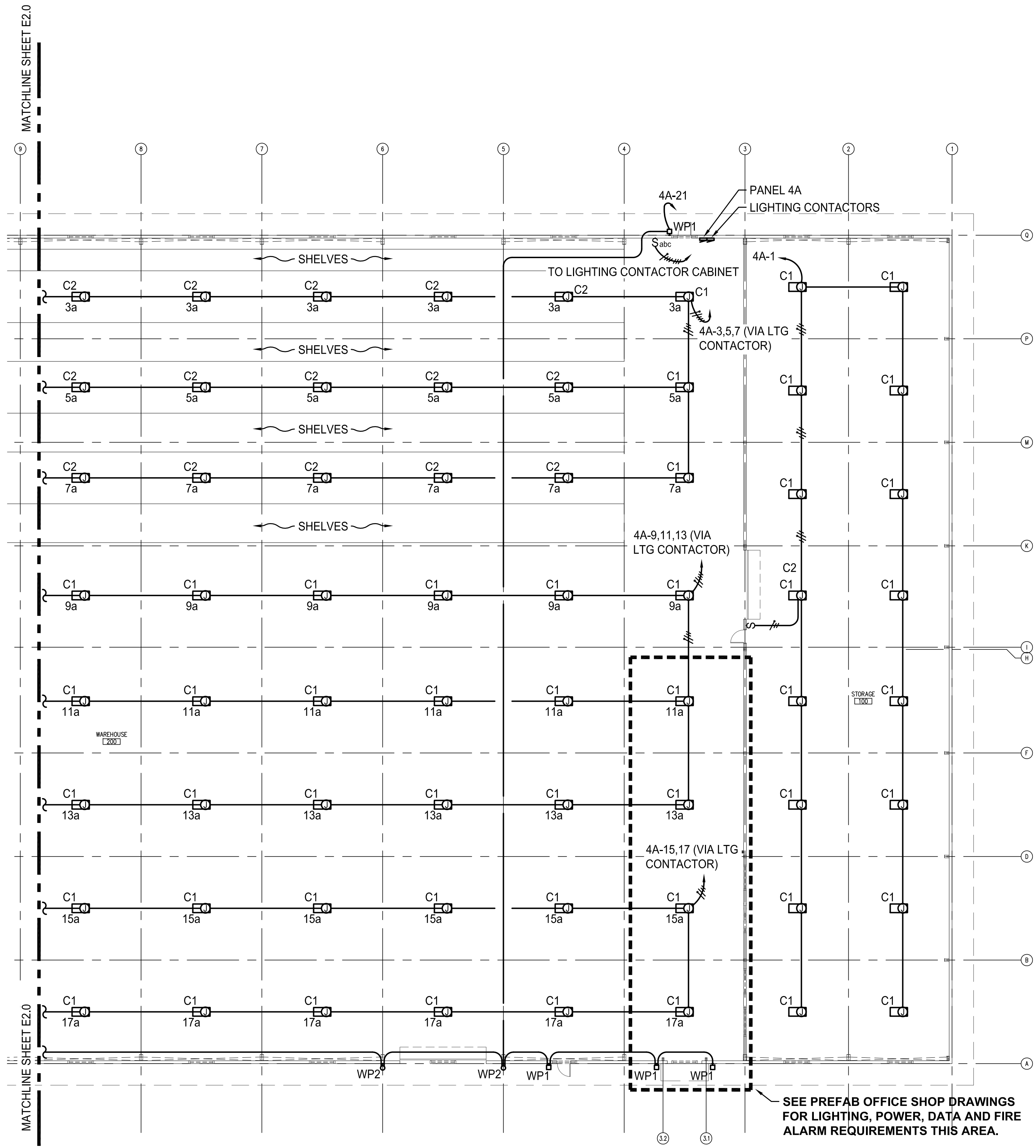
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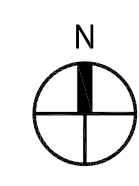
SBM WAREHOUSE
GEORGETOWN
GUYANA

GUYANA

PARTIAL LIGHTING
FLOOR PLAN



PARTIAL LIGHTING FLOOR PLAN - EAST
SCALE: 1/16"=1'-0"



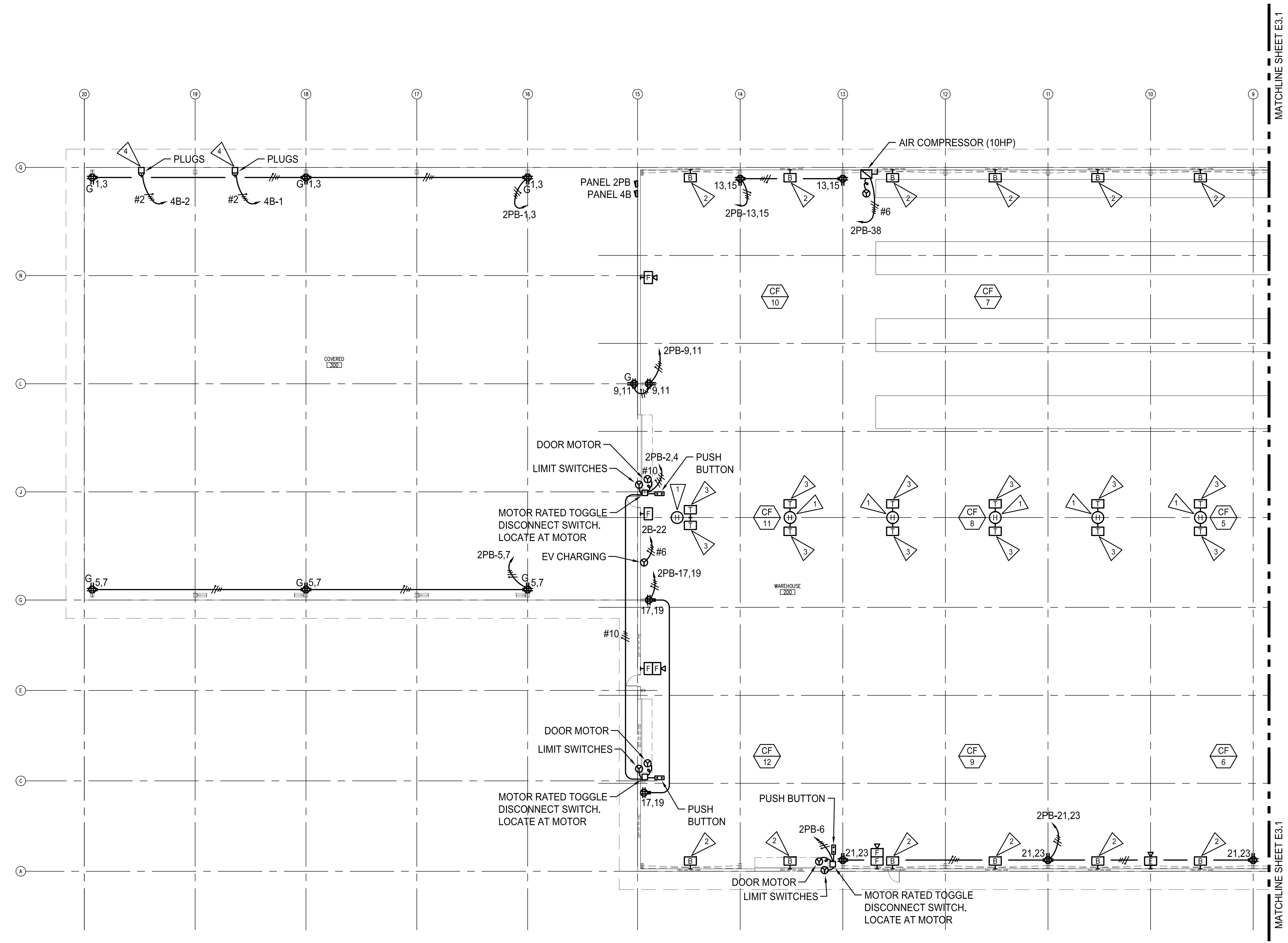
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E2.1

ELECTRICAL NOTES:

- 1 MOUNT HEAT DETECTORS WITHIN 4" OF PEAK.
- 2 MOUNT BEAM DETECTOR ON STEEL PLATE 1/4"x14"x14" WELDED TO STRUCTURE AT 28'-6" AFF.
- 3 MOUNT TWO(2) BEAM DETECTOR TARGETS ON 1/4"x14"x14" STEEL PLATE AT 28'-6" AFF SUSPENDED FROM BUILDING STRUCTURE WITH 3/8" THREADED ROD.
- 4 WALL MOUNTED, 2-GANG, 480V, REFRIGERATED CONTAINER RECEPTACLES ESL #EZ-R32-480-40-22SN-DPP-SP OR EQUAL. VERIFY LOCATION WITH OWNER PRIOR TO ROUGH-IN.



PARTIAL POWER/FIRE ALARM FLOOR PLAN - WEST
 SCALE: 1/16"=1'-0"

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PARTIAL POWER/
 FIRE ALARM
 FLOOR PLAN

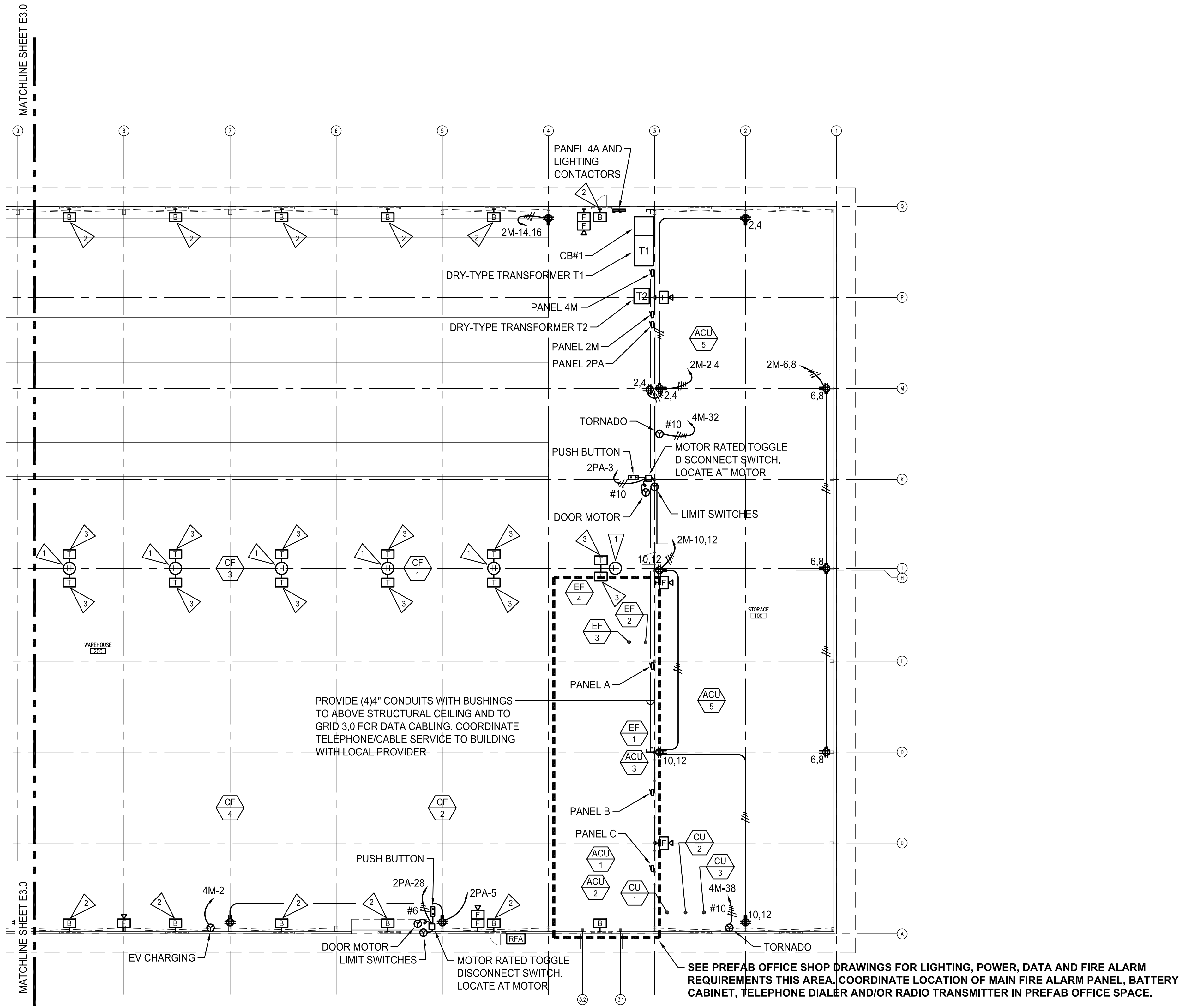
CROSS ENGINEERS, INC
 923 MLK, Jr. Way
 Tacoma, WA 98405
 Info@crossengineers.com
 Phone: (253) 759-0118
 Job Number: 19-004

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E3.0

ELECTRICAL NOTES:

- 1 MOUNT HEAT DETECTORS WITHIN 4" OF PEAK.
- 2 MOUNT BEAM DETECTOR ON STEEL PLATE 1/4"x14"x14" WELDED TO STRUCTURE AT 28'-6" AFF.
- 3 MOUNT TWO(2) BEAM DETECTOR TARGETS ON 1/4"x14"x14" STEEL PLATE AT 28'-6" AFF SUSPENDED FROM BUILDING STRUCTURE WITH 3/8" THREADED ROD.



PARTIAL POWER/FIRE ALARM FLOOR PLAN - EAST

SCALE: 1/16"=1'-0"



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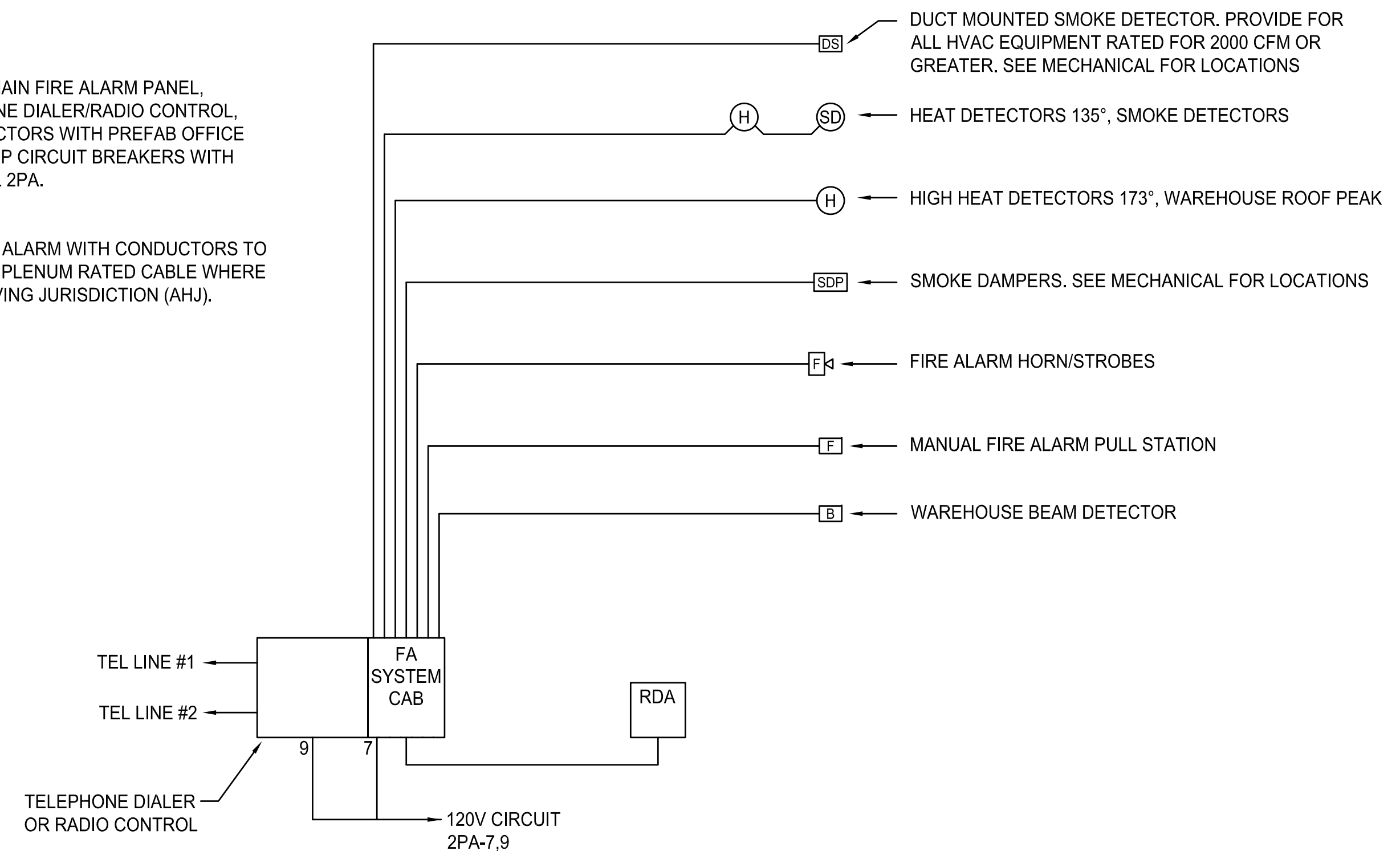
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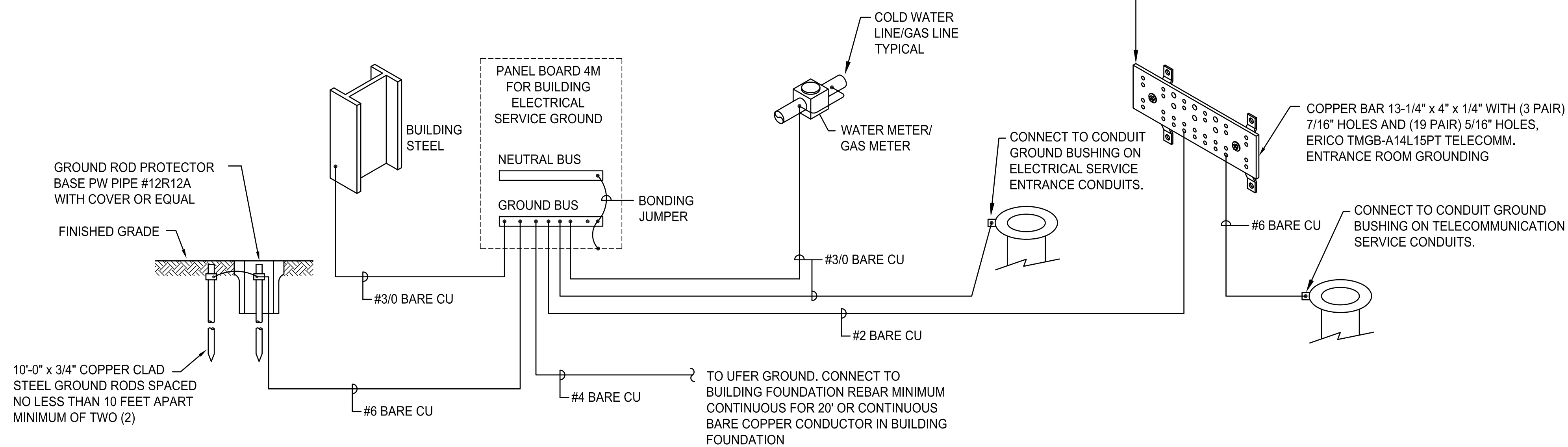
E3.1

GENERAL NOTES:

- COORDINATE LOCATION OF MAIN FIRE ALARM PANEL, BATTERY CABINET, TELEPHONE DIALER/RADIO CONTROL, HORN/STROBE, SMOKE DETECTORS WITH PREFAB OFFICE FLOOR PLAN. PROVIDE (2)20/1P CIRCUIT BREAKERS WITH HANDLE LOCK-OFFS IN PANEL 2PA.
- FIRE ALARM WIRING: PROVIDE MINIMUM 3/4" C-FIRE ALARM WITH CONDUCTORS TO ALL FIRE ALARM DEVICES OR PLENUM RATED CABLE WHERE ALLOWED BY AUTHORITY HAVING JURISDICTION (AHJ).



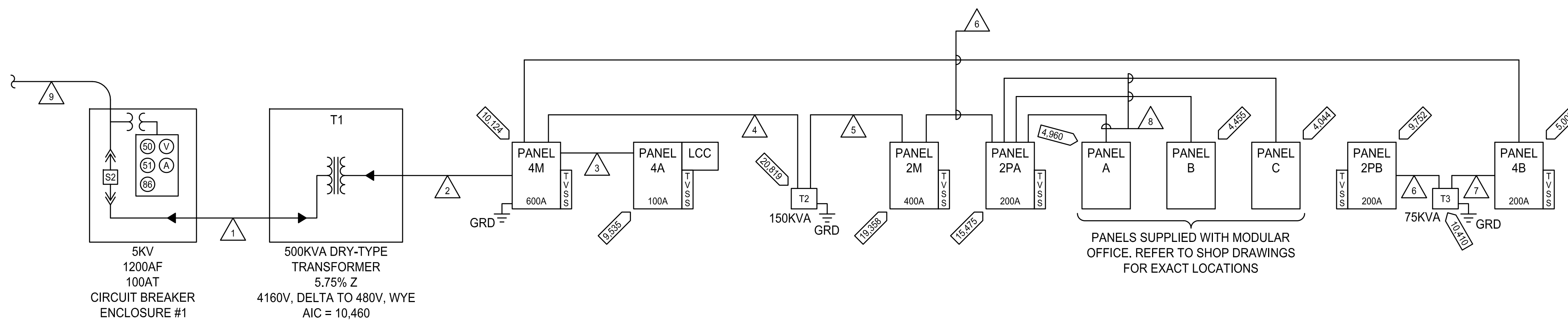
FIRE ALARM RISER DIAGRAM
NO SCALE



BUILDING SERVICE GROUNDING RISER DIAGRAM
NO SCALE

CONDUIT AND CONDUCTOR SCHEDULE:

- 1 4"C-(3)#1/0 CU, 105°, 5KV & (1)#1/0 CU, 600V GRD
- 2 (2)3"C-(4)#350 KCM CU & (1)#1/0 CU GRD EACH
- 3 1-1/4"C-(4)#2 CU & (1)#8 CU GRD
- 4 2"C-(3)#4/0 CU
- 5 4"C-(4)#600 KCM CU & (1)#2 CU GRD
- 6 2"C-(4)#3/0 CU & (1)#6 CU GRD
- 7 1-1/4"C-(3)#1/0 CU
- 8 1-1/4"C-(3)#1 CU & (1)#6 CU GRD
- 9 4"C-TO SITE/UTILITY 5KV ELECTRICAL SYSTEM. COORDINATE WITH OWNER/UTILITY.



WAREHOUSE POWER RISER DIAGRAM
NO SCALE

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WAREHOUSE POWER
RISER DIAGRAM

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E5.0

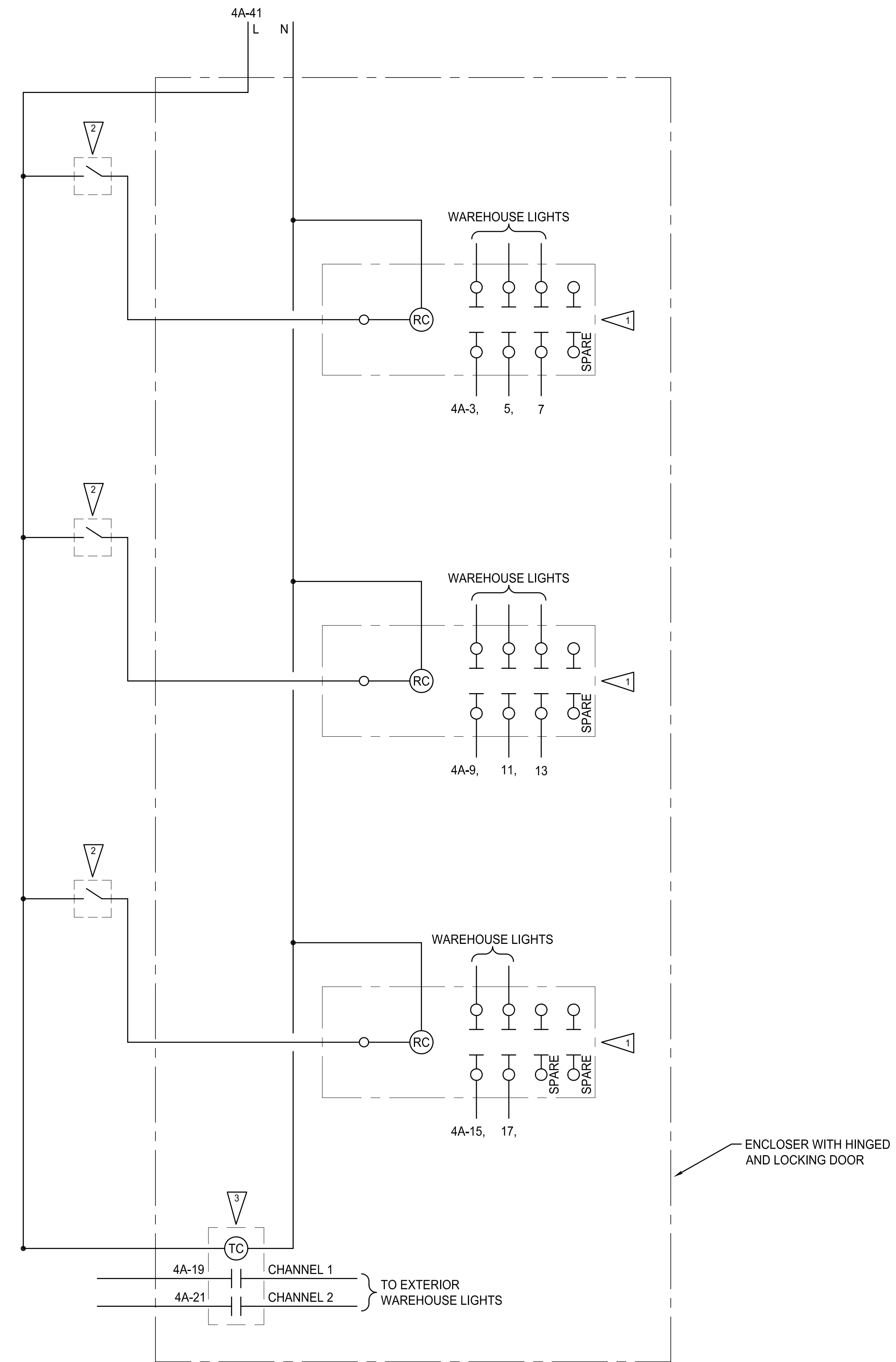
MECHANICAL EQUIPMENT ELECTRICAL CONNECTION SCHEDULE												
ITEM	DESCRIPTION	LOCATION	VOLTS	PHASE	HP KW	MIN. CIRCUIT AMPS	DISC. SWITCH	FUSES	MAGNETIC STARTER	FEEDER	CIRCUIT NUMBER	NOTES
CU 1	COMPRESSOR UNIT	WAREHOUSE	480	3	-	9	30/3P	15	-	3/4"C-4#12 CU & 1#12 CU GRD	4M-31	
CU 2	COMPRESSOR UNIT	WAREHOUSE	208	1	-	11	30/2P	28	-	3/4"C-3#10 CU & 1#10 CU GRD	2M-42	
CU 3	COMPRESSOR UNIT	WAREHOUSE	208	1	-	11	30/2P	28	-	3/4"C-3#10 CU & 1#10 CU GRD	2M-36	
CP 1	CIRCULATION PUMP	JANITOR ROOM	120	1	-	1	①	-	-	3/4"C-2#10 CU & 1#10 CU GRD	2M-22	
SP 1	SEWAGE PUMP	WAREHOUSE	120	1	.75	9	①	-	-	3/4"C-2#10 CU & 1#10 CU GRD	2M-22	
EF 1	EXHAUST FAN	TOILET	120	1	-	1	①	-	-	3/4"C-2#10 CU & 1#10 CU GRD	2M-20	
EF 2	EXHAUST FAN	SHOWER	120	1	-	1	①	-	-	3/4"C-2#10 CU & 1#10 CU GRD	2M-20	
EF 3	EXHAUST FAN	SHOWER	120	1	-	1	①	-	-	3/4"C-2#10 CU & 1#10 CU GRD	2M-20	
EF 4	EXHAUST FAN	LOCKERS	120	1	-	1	①	-	-	3/4"C-2#10 CU & 1#10 CU GRD	2M-20	
ACU 1	FAN COIL	OFFICE LOCKERS	208	1	.75	9	30/2P	15	-	3/4"C-2#10 CU & 1#10 CU GRD	2M-28	
ACU 2	FAN COIL	NORTH OFFICE	208	1	-	2.4	①	-	-	3/4"C-2#12 CU & 1#12 CU GRD	2M-24	
ACU 3	FAN COIL	I.T. ROOM	208	1	-	5	①	-	-	3/4"C-2#12 CU & 1#12 CU GRD	2M-24	
ACU 4	FAN COIL	CLIMATE CONTROL	208	3	1.5	7	30/3P	15	-	3/4"C-3#12 CU & 1#12 CU GRD	2M-25	
ACU 5	FAN COIL	CLIMATE CONTROL	208	3	1.5	7	30/3P	15	-	3/4"C-3#12 CU & 1#12 CU GRD	2M-31	
CF 1	CEILING PROPELLER	WAREHOUSE	120	1	2	24	②	-	-	3/4"C-2#6 CU & 1#10 CU GRD	2PA-31	③
CF 2	CEILING PROPELLER	WAREHOUSE	120	1	2	24	②	-	-	3/4"C-2#6 CU & 1#10 CU GRD	2PA-33	③
CF 3	CEILING PROPELLER	WAREHOUSE	120	1	2	24	②	-	-	3/4"C-2#6 CU & 1#10 CU GRD	2PA-35	③
CF 4	CEILING PROPELLER	WAREHOUSE	120	1	2	24	②	-	-	3/4"C-2#6 CU & 1#10 CU GRD	2PA-37	③
CF 5	CEILING PROPELLER	WAREHOUSE	120	1	2	24	②	-	-	3/4"C-2#6 CU & 1#10 CU GRD	2PA-39	③
CF 6	CEILING PROPELLER	WAREHOUSE	120	1	2	24	②	-	-	3/4"C-2#6 CU & 1#10 CU GRD	2PA-41	③
CF 7	CEILING PROPELLER	WAREHOUSE	120	1	2	24	②	-	-	3/4"C-2#6 CU & 1#10 CU GRD	2PB-26	③
CF 8	CEILING PROPELLER	WAREHOUSE	120	1	2	24	②	-	-	3/4"C-2#6 CU & 1#10 CU GRD	2PB-28	③
CF 9	CEILING PROPELLER	WAREHOUSE	120	1	2	24	②	-	-	3/4"C-2#6 CU & 1#10 CU GRD	2PB-30	③
CF 10	CEILING PROPELLER	WAREHOUSE	120	1	2	24	②	-	-	3/4"C-2#6 CU & 1#10 CU GRD	2PB-32	③
CF 11	CEILING PROPELLER	WAREHOUSE	120	1	2	24	②	-	-	3/4"C-2#6 CU & 1#10 CU GRD	2PB-34	③
CF 12	CEILING PROPELLER	WAREHOUSE	120	1	2	24	②	-	-	3/4"C-2#6 CU & 1#10 CU GRD	2PB-36	③
HWT 1	WATER HEATER	JANITOR ROOM	208	1	-	15	30/2P	20	-	3/4"C-2#10 CU & 1#10 CU GRD	2M-32	

MECHANICAL EQUIPMENT CONNECTION SCHEDULES NOTES:

- ① PROVIDE 20A MOTOR RATED TOGGLE SWITCH
- ② PROVIDE 30A MOTOR RATED TOGGLE SWITCH
- ③ WIRE SIZED FOR VOLTAGE DROP

ELECTRICAL NOTES:

- ① ELECTRICALLY HELD LIGHTING CONTACTORS 40A, 60Hz, 277V COIL. PROVIDE ALL CONTACTORS IN A SINGLE NEMA 1, CABINET WITH HINGED AND LOCKING DOOR. MOUNT ADJACENT TO PANEL 4A.
- ② INDIVIDUAL TOGGLE SWITCHES MOUNT ADJACENT TO MAN DOOR. SEE SHEET E2.1.
- ③ PROGRAMMABLE 2-CHANNEL ASTROLOGICAL TIMECLOCK. PARAGON EC72. MOUNT ADJACENT TO OR IN LIGHTING CONTACTOR ENCLOSURE. PROGRAM LIGHTS ON AT DUSK AND OFF AT 8AM.



B LIGHTING CONTACTOR CABINET - NEMA 1
E5.2 NO SCALE

CROSS ENGINEERS, INC
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Job Number: 19-004

THESE DRAWINGS HAVE BEEN PRINTED IN FULL SIZE AND HALF SIZE. IF THE DRAWING YOU ARE WORKING AT IS NOT 24" X 36" IT HAS BEEN REDUCED TO HALF SIZE. DO NOT REFER TO THE ARCHITECTURAL SCALE ON THE INDIVIDUAL DRAWING OR DETAIL. PLEASE USE APPROPRIATE GRAPHIC SCALE FOR ALL DIMENSIONS OF THE DRAWING.

BRUCE DUNN
ARCHITECT
5401 YACHT CLUB RD.
TACOMA, WA 98407

CHECK SET
5/14/2019
Review

KEY INDEX

SBM WAREHOUSE
GEORGETOWN
GUYANA

GUYANA

ELECTRICAL DETAILS

DATE	5/14/2019	SHEET	
SCALE	AS NOTED		
DRAWN	JAE		
CHECK	CLW/BSH		
CONTRACT			
COPYRIGHT	2019		

E5.2