



PARTS STORAGE SHED

2010 RULON WHITE BOULEVARD,
OGDEN UT 84404

Nexus Project #: 18059

Owner Project #:

6/27/2018

REVIEW SET

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SHED
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OGDEN UT 84404



Date Revision

REVIEW SET

NEXUS PROJECT #: 18059
CHECKED BY: MAD
DRAWN BY: JW
DATE: 6/27/2018

COVER SHEET

G001

D

C

B

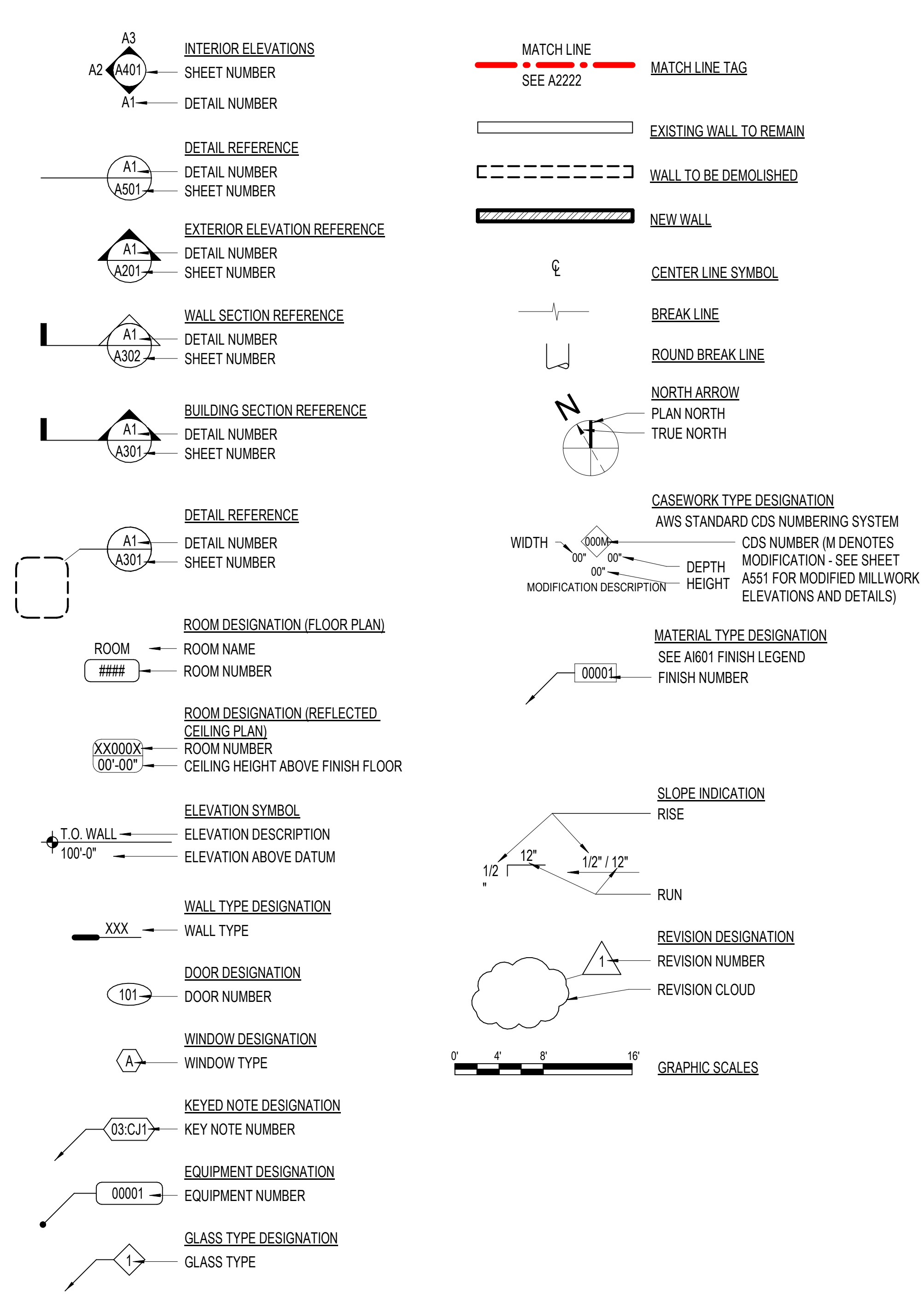
A

LIST OF ABBREVIATIONS

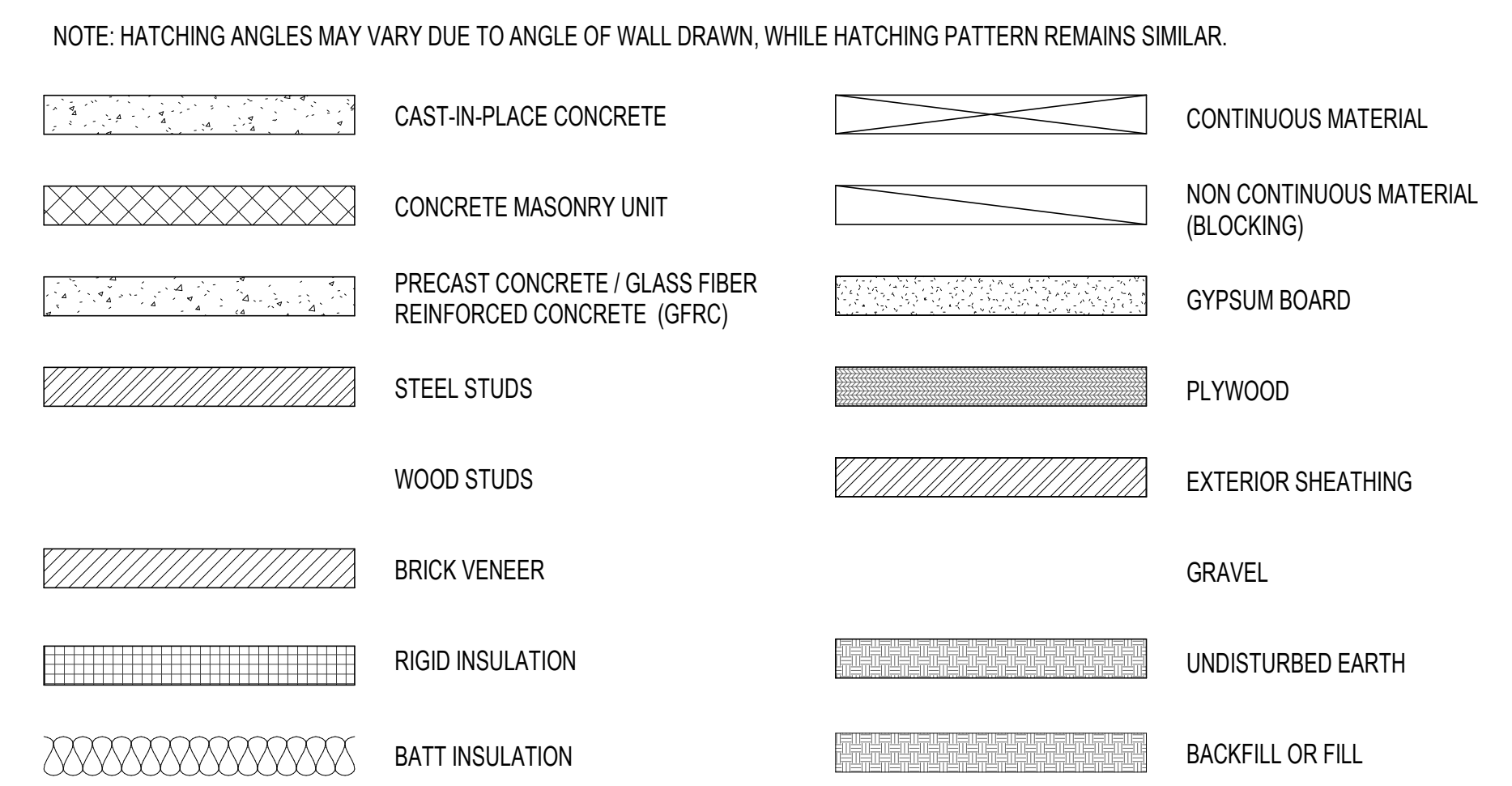
A	AIR CONDITIONING	J	JANITOR
AVC	AREA DRAIN	K	(NOT USED)
AD	ABOVE FINISHED CEILING	L	LABORATORY
AFC	ABOVE FINISHED FLOOR	LAV	LABORATORY
AFF	AIR HANDLING UNIT	LBS	POUNDS
AHU	ALUMINUM	LLH	LONG LEG HORIZONTAL
ALUM	ANODIZED	LLV	LONG LEG VERTICAL
ANOD	ARCHITECT	LPT	LOW POINT
ARCH		M	MACH RM MACHINE ROOM
@		MAX	MAXIMUM
B	BOARD	MFR	MANUFACTURER
BD	BUILDING	MECH	MECHANICAL
BLDG	BOTTOM OF	MEZZ	MEZZANINE
BO		MIN	MINIMUM
C	CELSIUS	MO	MASONRY OPENING
C	COAT HOOK	N	NOT APPLICABLE
CH	CONTRACTOR FURNISHED,	N/A	NOT IN CONTRACT
CFCI	CONTRACTOR INSTALLED,	NIC	NOMINAL
	CORNER GUARD	NOM	NOMINAL
CG	CONTINUOUS INSULATION	NTS	NOT TO SCALE
CI	CONTROL JOINT	Q	ON CENTER
CJ	CENTERLINE	OC	OUTSIDE DIAMETER;
CL	CEILING	OD	OUTSIDE DIMENSION
CLG	CLOSET	OFD	OVERFLOW DRAIN
CLO	CLEAR	OH DR	OVERHEAD DOOR
CLR	CONCRETE MASONRY UNIT	OPH	OPPOSITE HAND
CMU	COLUMN	OPP	OPPOSITE
COL	CONCRETE	ORIG	ORIGINAL
CONC	CONTINUOUS	P	PLASTIC LAMINATE
CONT	CORRIDOR	P LAM	PLASTER
CORR	CERAMIC TILE	PLAS	PLUMBING
CT	CONSTRUCTION JOINT	PLUMB	PAIR
CUH	CABINET UNIT HEATER	PR	POUNDS PER SQUARE INCH
		PSI	POUNDS PER SQUARE FOOT
D	DEEP	PVC	POLYVINYL CHLORIDE
D	DEGREE	Q	QUARRY TILE
DEG	DEMOLITION	QT	
DEMO	DRINKING FOUNTAIN	R	RISER OR RADIUS
DF	DIAMETER	RAD	RADIUS
DIA	DIMENSION	RCP	REFLECTED CEILING PLAN
DIM	DOWN	RD	ROOF DRAIN
DN	DOWNSPOUT	REF	REFRIGERATOR
DS	DRAWINGS	REQD	REQUIRED
DWGS		REV	REVISION
E	EACH	RM	ROOM
EA	EXPANSION JOINT	RO	ROUGH OPENING
EJ	ELEVATION	RTU	ROOF TOP UNIT
EL	ELECTRICAL	S	SMOKE DETECTOR
ELEC	ELEVATOR	SAM	SELF ADHESIVE MEMBRANE
ELEV	EDGE OF SLAB	SCHED	SCHEDULE
EOS	EXISTING ROOF DRAIN	SECT	SECTION
EQ	EQUAL	SIM	SIMILAR
EQUIP	EQUIPMENT	SPEC	SPECIFICATION
EXIST	EXISTING	SS	STAINLESS STEEL
EXP	EXPOSED	STD	STANDARD
EXT	EXTERIOR	STRUCT	STRUCTURAL
F	FAHRENHEIT	I	TREAD
FA	FIRE ALARM	T	TEMPORARY
FACP	FIRE ALARM CONTROL PANEL	THK	THICK
FD	FLOOR DRAIN	TOC	TOP OF CONCRETE
FEC	FIRE EXTINGUISHER CABINET	TOM	TOP OF MASONRY
FE	FIRE EXTINGUISHER	TOP	TOP OF PARAPET
FG	FINISH GRADE	TOS	TOP OF SLAB, TOP OF STEEL
FHC	FIRE HOSE CABINET	TOW	TOP OF WALL
FIN	FINISH	TYP	TYPICAL
FLR	FLOOR	TO	TOP OF
FND	FOUNDATION	U	UNDERWRITER'S LABORATORIES
FOC	FACE OF CONCRETE	UL	UNLESS NOTED OTHERWISE
FOM	FACE OF MASONRY	UNO	
FOS	FACE OF STUD	V	VINYL COMPOSITE TILE
FOW	FACE OF WALL	VCT	VERTICAL
FT	FEET	VEST	VESTIBULE
FV	FIELD VERIFY	VIF	VERIFY IN FIELD
G	GAUGE	W	WITH
GA	GALVANIZED	WO	WITHOUT
GALV	GLASS-FIBER-REINFORCED	WD	WOOD
GFRG	CONCRETE	WH	WALL HYDRANT
GFRG	GLASS-FIBER-REINFORCED GYPSUM	WP	WORKING POINT
GL	GLASS	WRB	WEATHER RESISTIVE BARRIER
GWB	GYPSUM WALL BOARD	X,Y,Z	(NOT USED)
GYP	GYPSUM		
H	HIGH		
H	HOSE BIBB		
HDR	HEADER		
HM	HOLLOW METAL		
HPT	HIGH POINT		
HR	HOUR		
HT	HEIGHT		
I	INSIDE DIAMETER, INSIDE DIMENSION		
ID	INCH		
IN	INFORMATION		
INFO	INTERIOR		
INT			

THE PRECEDING LIST OF ABBREVIATIONS IS PRESENTED AS A GENERAL GUIDE AND DOES NOT NECESSARILY SHOW ALL ABBREVIATIONS USED. OTHER GENERALLY ACCEPTED ABBREVIATIONS MAY BE FOUND AMONG THE DRAWINGS - SOME ABBREVIATIONS SHOWN ABOVE MAY NOT BE USED WITHIN THIS DRAWING SET.

DRAWING SYMBOL LEGEND



HATCH LEGEND



DESIGN CRITERIA

APPLICABLE CODES

ACCESSIBILITY CODE	ICC/ANSI A117.1-2009
INTERNATIONAL BUILDING CODE	2015 EDITION
INTERNATIONAL ENERGY CONSERVATION CODE	2015 EDITION
INTERNATIONAL FIRE CODE	2015 EDITION
INTERNATIONAL MECHANICAL CODE	2015 EDITION
INTERNATIONAL PLUMBING CODE	2015 EDITION
NATIONAL ELECTRICAL CODE	2014 EDITION
ZONING ORDINANCE: WEBER COUNTY	Zoning Ordinance

OTHER CRITERIA

DEFERRED SUBMITTALS

SHEET INDEX

GENERAL:	G001 COVER SHEET
	G002 GENERAL INFORMATION
	G101 EXITING AND OCCUPANCY PLANS
CIVIL:	C000 DEMOLITION PLAN
	C001 DEMOLITION PLAN
	C100 OVERALL UTILITY PLAN
	C101 SITE GRADING AND UTILITY PLAN
	C401 SITE DETAILS
ARCHITECTURAL:	A101 LEVEL 01 FLOOR PLAN
	A151 REFLECTED CEILING PLAN
	A201 BUILDING ELEVATIONS
STRUCTURAL:	S001 STRUCTURAL NOTES
	S002 SCHEDULES
	S003 SCHEDULES
	S101 FOOTING & FOUNDATION PLAN
	S102 FOOTING & FOUNDATION PLAN
	S201 DETAILS
	S202 DETAILS
	S208 BRACED FRAME DETAILS
FIRE PROTECTION:	FA101A LEVEL 1 FIRE ALARM AREA
MECHANICAL:	M001 MECH. LEGEND, SYMBOLS & ABBRV.
	MH101 MECH/PLUMB LEVEL 1 OVERALL PLAN
	MH101A MECH/PLUMB LEVEL 1 FLOOR PLAN AREA A
	MH101B MECH/PLUMB LEVEL 1 FLOOR PLAN AREA B
	MH102 MECHANICAL OVERALL ROOF PLAN
	MH601 MECHANICAL SCHEDULES
ELECTRICAL:	E001 ELECTRICAL SYMBOL AND LEGEND
	E002 ELECTRICAL PANEL AND FIXTURE SCHEDULES
	E501 ELECTRICAL DETAILS
	E502 ELECTRICAL DETAILS
	E503 ELECTRICAL DETAILS
	E601 ELECTRICAL ONE-LINE DIAGRAMS
	E602 ELECTRICAL CONTROL DIAGRAMS
	E603 ELECTRICAL CONTROL DIAGRAMS
	EL101 LEVEL 01 LIGHTING PLAN
	EP101 LEVEL 1 POWER PLAN AREA
	ES101 ELECTRICAL SITE PLAN
	EX101 LEVEL 1 SECURITY PLAN AREA D



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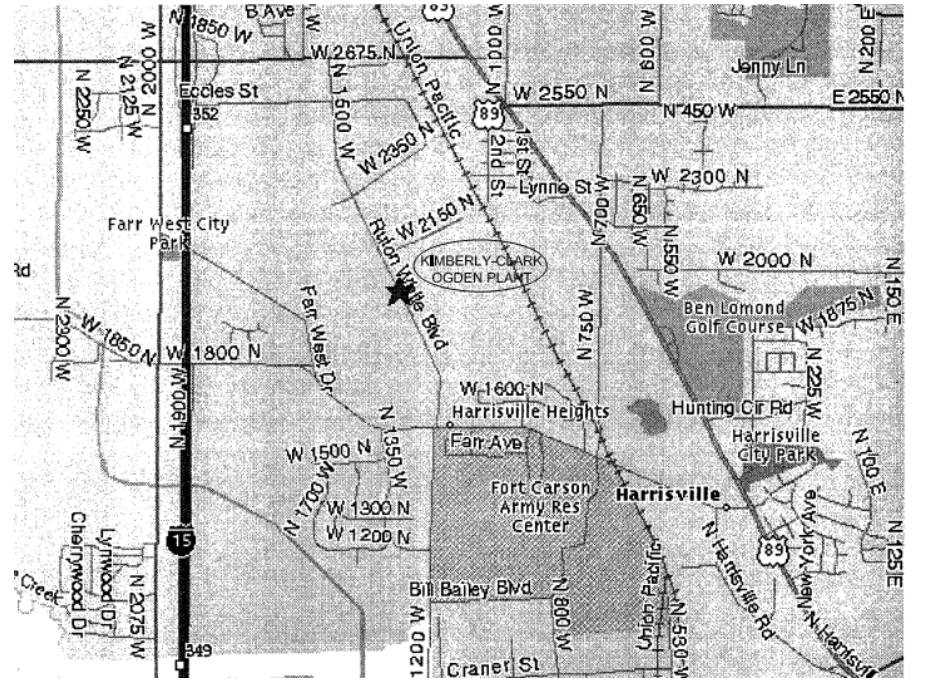
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 2010 RULON WHITE BOULEVARD, OGDEN UT 84404



Date Revision

LOCATION



REVIEW SET

NEXUS PROJECT #: 18059
 CHECKED BY: MAD
 DRAWN BY: JW
 DATE: 6/27/2018

GENERAL INFORMATION

G002



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OGDEN UT 84404



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CHECKED BY: MAD
DRAWN BY: JD
DATE: 6/27/2018

EXITING AND OCCUPANCY PLANS

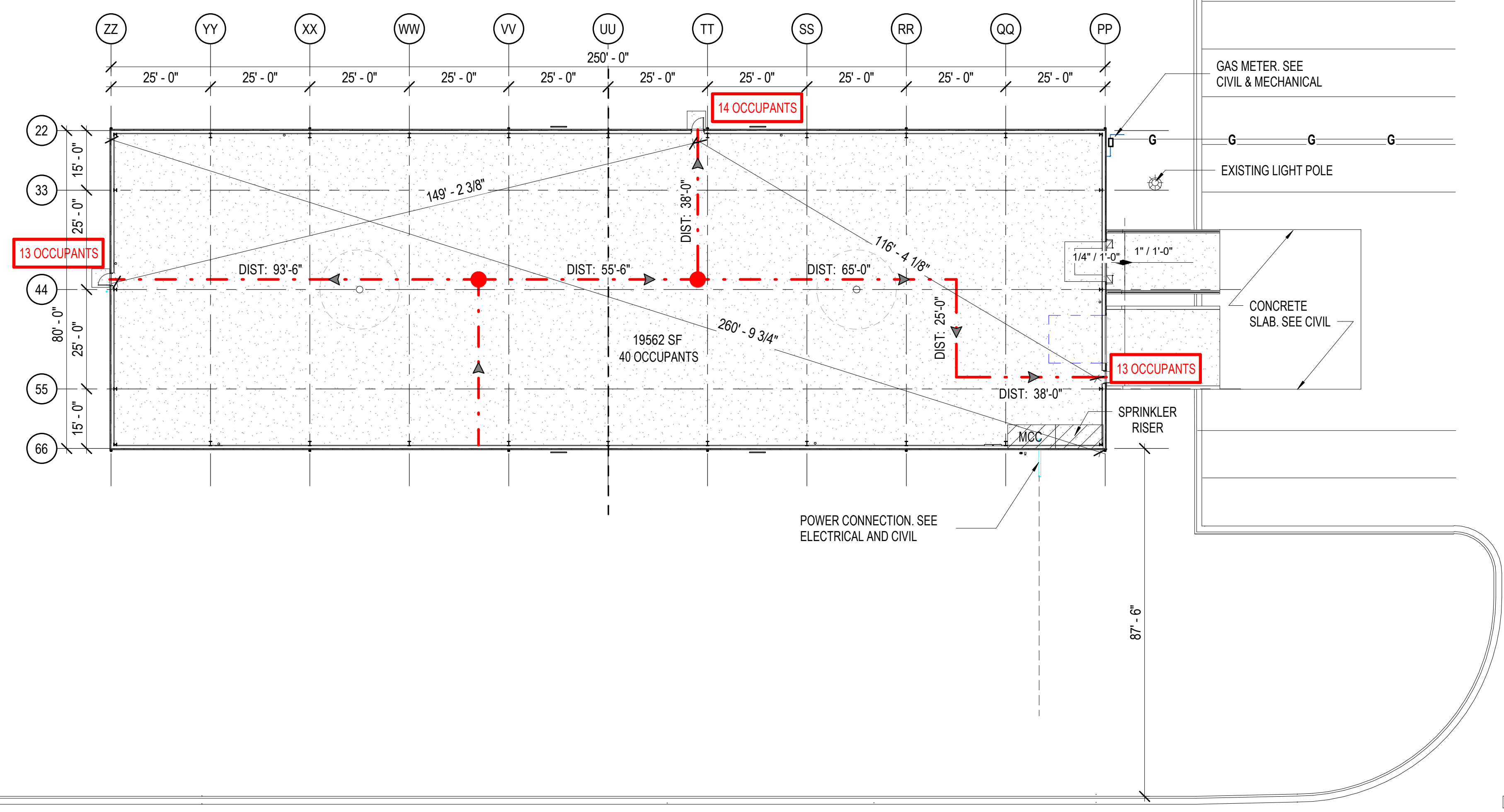
G101

**IBC 2015 - GENERAL CODE REQUIREMENTS
NEW CONSTRUCTION** [Draft 5 - 07.14.04]

CODE REFERENCE	*AREA 1*	*AREA 2*	*AREA 3*	BUILDING
OCCUPANCY CLASSIFICATION (SECTIONS 502-512)	N/A	N/A	N/A	S-1
ALLOWABLE HEIGHT (SECTION 503, 504 & TABLE 504.3, 504.4)				HEIGHT / STORIES
BASE ALLOWABLE HEIGHT (ABOVE GRADE PLANE)				55' / 02
HEIGHT INCREASE FOR SPRINKLERS (TABLES 504.3, 504.4)				75' / 03
ACTUAL HEIGHT				26'-8" / 01
ALLOWABLE AREA (SECTION 508 & TABLE 508.2)				
BASE ALLOWABLE AREA (PER FLOOR)				70,000
INCREASED ALLOWABLE AREA PER FLOOR (EQUATION 5-1)				UNLIMITED
MAXIMUM AREA [ALLOWABLE AREA OF 1ST FLR x STORIES]				UNLIMITED
UNLIMITED AREA BUILDING? (SECTION 507)				YES
SPECIAL PROVISIONS? (SECTION 510)				N/A
ACTUAL AREA				19,562 SF
CONSTRUCTION CLASSIFICATION (SECTION 602 & TABLE 601)				TYPE II-B
FIRE-RESISTANCE RATING - BUILDING ELEMENTS (TABLE 601), (SECTION 403.2)	REQUIRED RATING UL LISTING			
STRUCT FRAME, INCLUDING COLS, GIRDERS & TRUSSES (SEE DWGS)				1 HOUR
BEARING WALLS, EXTERIOR (SEE DWGS)				1 HOUR
BEARING WALLS, INTERIOR (SEE DWGS)				1 HOUR
NONBEARING WALLS, EXTERIOR	PER FIRE RESISTANCE RATING - FIRE SEPARATION DISTANCE BELOW			
NONBEARING WALLS, INTERIOR				(SEE DWGS)
FLOOR CONST INCLUDING SUPPORT BEAMS AND JOISTS (SEE DWGS)				1 HOUR
ROOF CONST INCLUDING SUPPORT BEAMS AND JOISTS (SEE DWGS)				1 HR / CLASS E
FIRE-RESISTANCE RATING - FIRE SEPARATION DIST (TABLE 602)	REQUIRED RATING			
< 5' (PARAPET REQUIRED PER SECTION 705.11)				N/A
>= 5' AND < 10'				N/A
>= 10' AND < 30'				N/A
>= 30'				0 HOUR
AUTOMATIC SPRINKLER SYSTEMS (SECTION 903.3)	PER 903.3.1.1	PER 903.3.1.1	PER 903.3.1.1	PER 903.3.1.1
MEANS OF EGRESS (SECTION 1003)				
FLOOR AREA IN SQUARE FEET PER OCCUPANT (TABLE 1004.1.2)				500 GROSS
ACTUAL FLOOR AREA				19,562 SF
DESIGN OCCUPANT LOAD (SECTION 1004.1)				40
EGRESS WIDTH (SECTION 1005.1)				
OTHER EGRESS COMPONENT WIDTH PER OCCUPANT				0.2"
OTHER EGRESS COMPONENT WIDTH REQUIRED				8"
OTHER EGRESS COMPONENT WIDTH PROVIDED (SEE DWGS)				(SEE DWGS)
CORRIDORS (SECTION 708, 1020)				
REQUIRED FIRE-RESISTANCE RATING (SECTION 1020.1 & TABLE 1020.1)				0-HOUR
MINIMUM WIDTH (SECTION 1020.2, 1005.1)				44"
EXITS (SEE REGULATORY PLANS) (SECTION 1003 THRU 1015, SECTION 1006 & TABLES 1006.2.1, 1006.2.1)	0	0	0	0

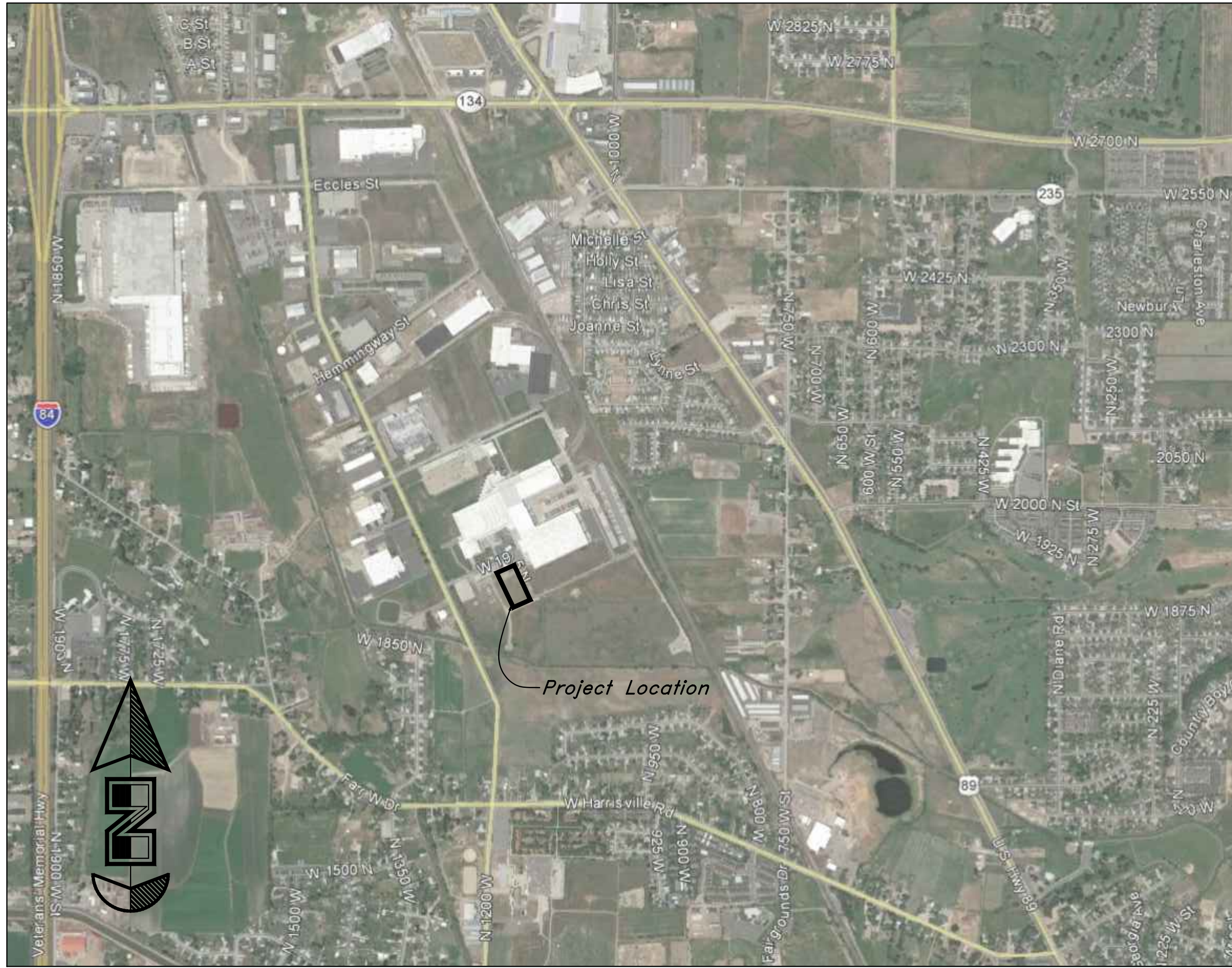
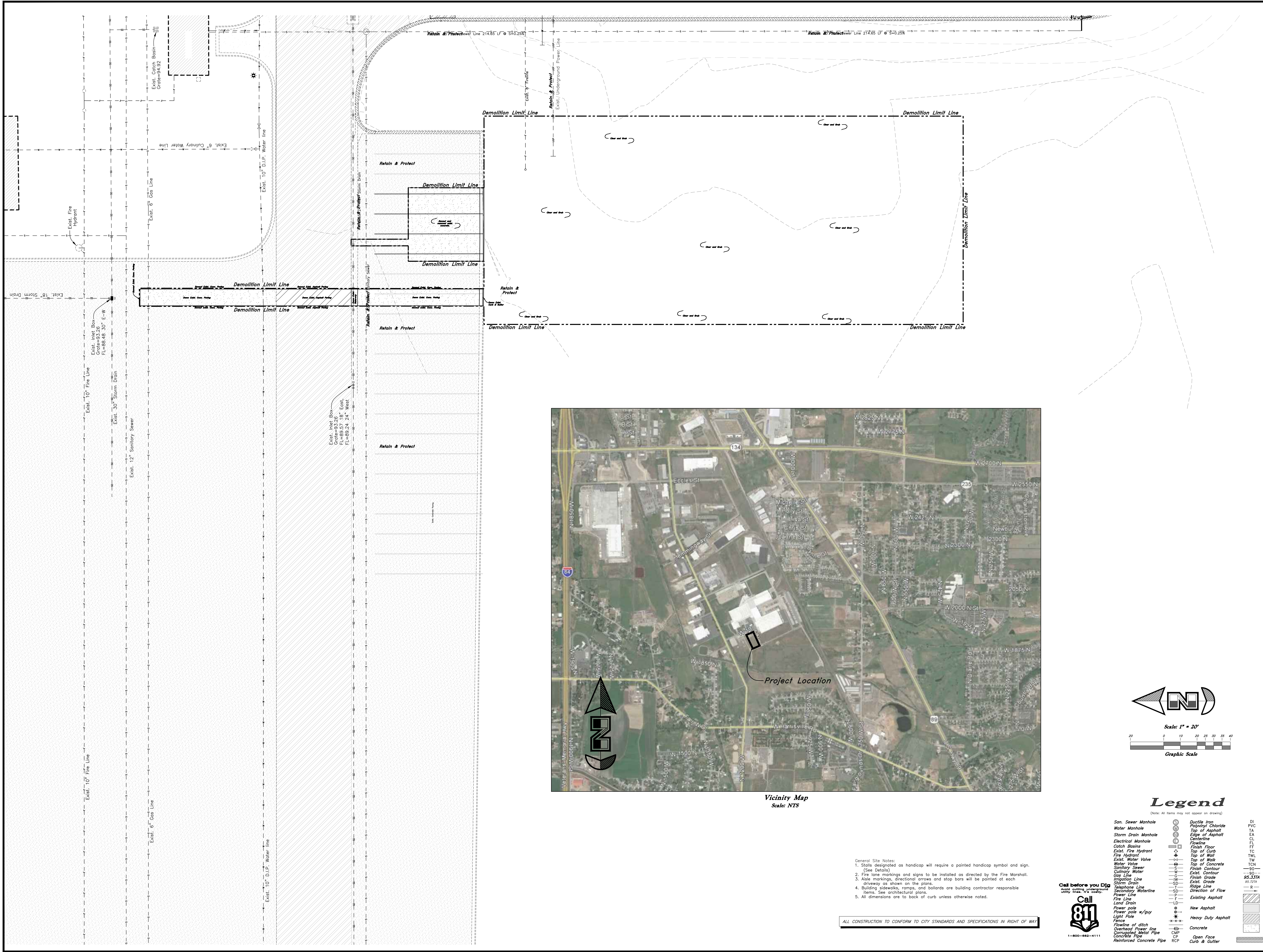
EXITING AND OCCUPANCY LEGEND

- FLOOR**
 - NO FIRE RATING
 - 1 HOUR RATING
 - 2 HOUR RATING
- ROOF**
 - NO FIRE RATING
 - 1 HOUR RATING
 - 2 HOUR RATING
- WALL**
 - NO FIRE RATING
 - 1 HOUR RATING
 - 2 HOUR RATING
 - SOLID CONCRETE

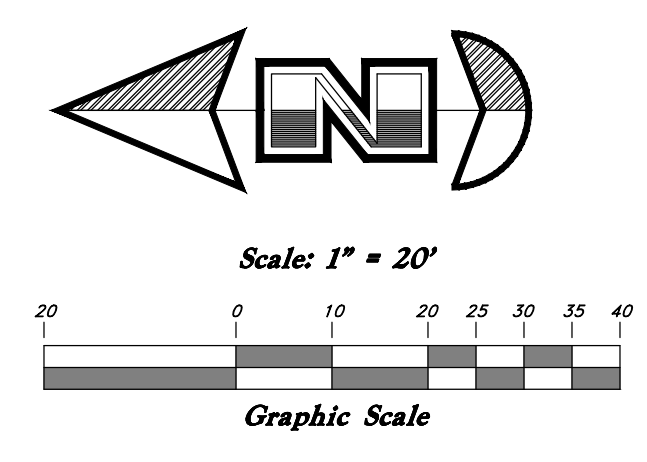


A1 LEVEL 01 - SITE
G101 1" = 20'-0"

7/2/2018 3:04:40 PM



Vicinity Map
Scale: NTS



Legend

(Note: All items may not appear on drawing.)

San. Sewer Manhole	⊙	Ductile Iron	DI
Water Manhole	⊙	Polyvinyl Chloride	PVC
Storm Drain Manhole	⊙	Top of Asphalt	TA
Electrical Manhole	⊙	Edge of Asphalt	EA
Centerline	—	Centerline	CL
Catch Basins	⊙	Flowline	FL
Exist. Fire Hydrant	⊙	Finish Floor	FF
Water Valve	⊙	Top of Curb	TC
Exist. Water Valve	⊙	Top of Wall	TW
Sanitary Sewer	—	Top of Concrete	TCN
Culinary Water	—	Finish Contour	FC
Gas Line	—	Exist. Contour	EC
Irrigation Line	—	Trough Grade	90
Storm Drain	—	Exist. Grade	90
Power Line	—	Ridge Line	90, 1374
Land Drain	—	Direction of Flow	R
Power pole	⊙	Existing Asphalt	⊘
Power pole w/guy	⊙	New Asphalt	⊘
Light Pole	⊙	Heavy Duty Asphalt	⊘
Fence	—	Concrete	⊘
Flowline of ditch	—	Corrugated Metal Pipe	⊘
Overhead Power line	—	Concrete Pipe	⊘
Corrugated Metal Pipe	—	Open Face	⊘
Concrete Pipe	—	Curb & Gutter	⊘
Reinforced Concrete Pipe	—		

- General Site Notes:
1. Stalls designated as handicap will require a pointed handicap symbol and sign. (See Details)
 2. Fire lane markings and signs to be installed as directed by the Fire Marshal.
 3. Aisle markings, directional arrows and stop bars will be painted at each driveway as shown on the plans.
 4. Building sidewalks, ramps, and bollards are building contractor responsible items. See architectural plans.
 5. All dimensions are to back of curb unless otherwise noted.

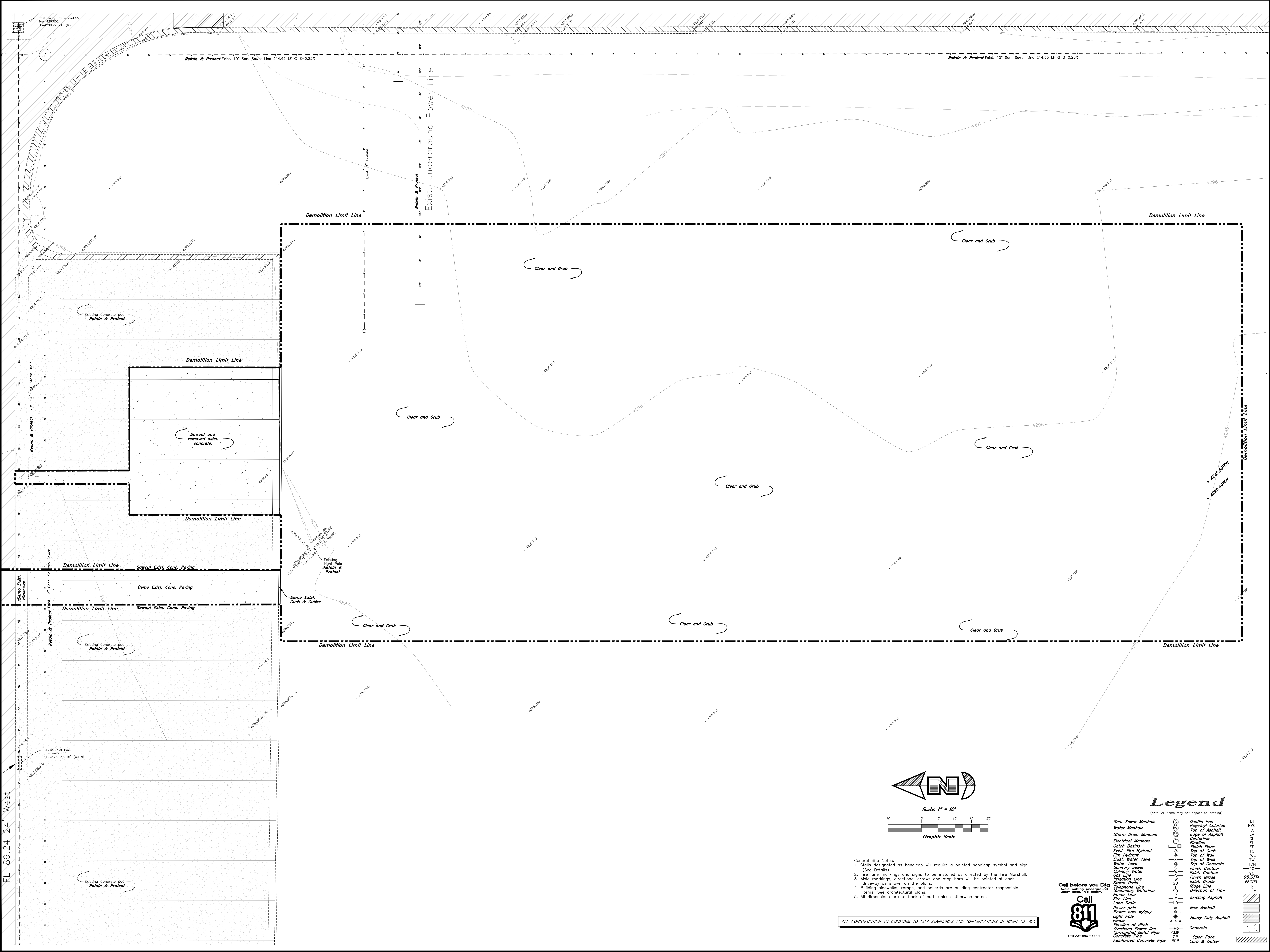
ALL CONSTRUCTION TO CONFORM TO CITY STANDARDS AND SPECIFICATIONS IN RIGHT OF WAY



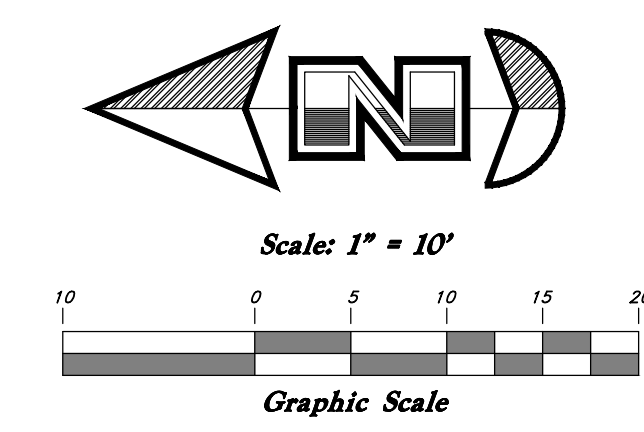
GREAT BASIN ENGINEERING
 574800 9500 4515 960252 EXPLORING THE
 W.W. GREAT BASIN ENGINEERING, C.O.M

Demolition Plan
Kimberly-Clark Parts Storage Building
 2010 Rulon White Boulevard

26 June, 2018
 SHEET NO.
C000
 18103



FL=89.24 24' West



- General Site Notes:
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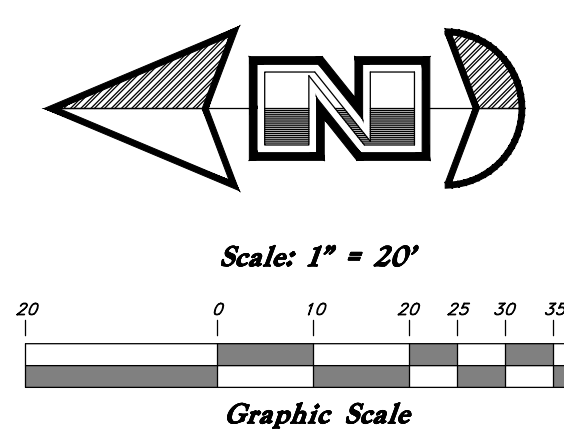
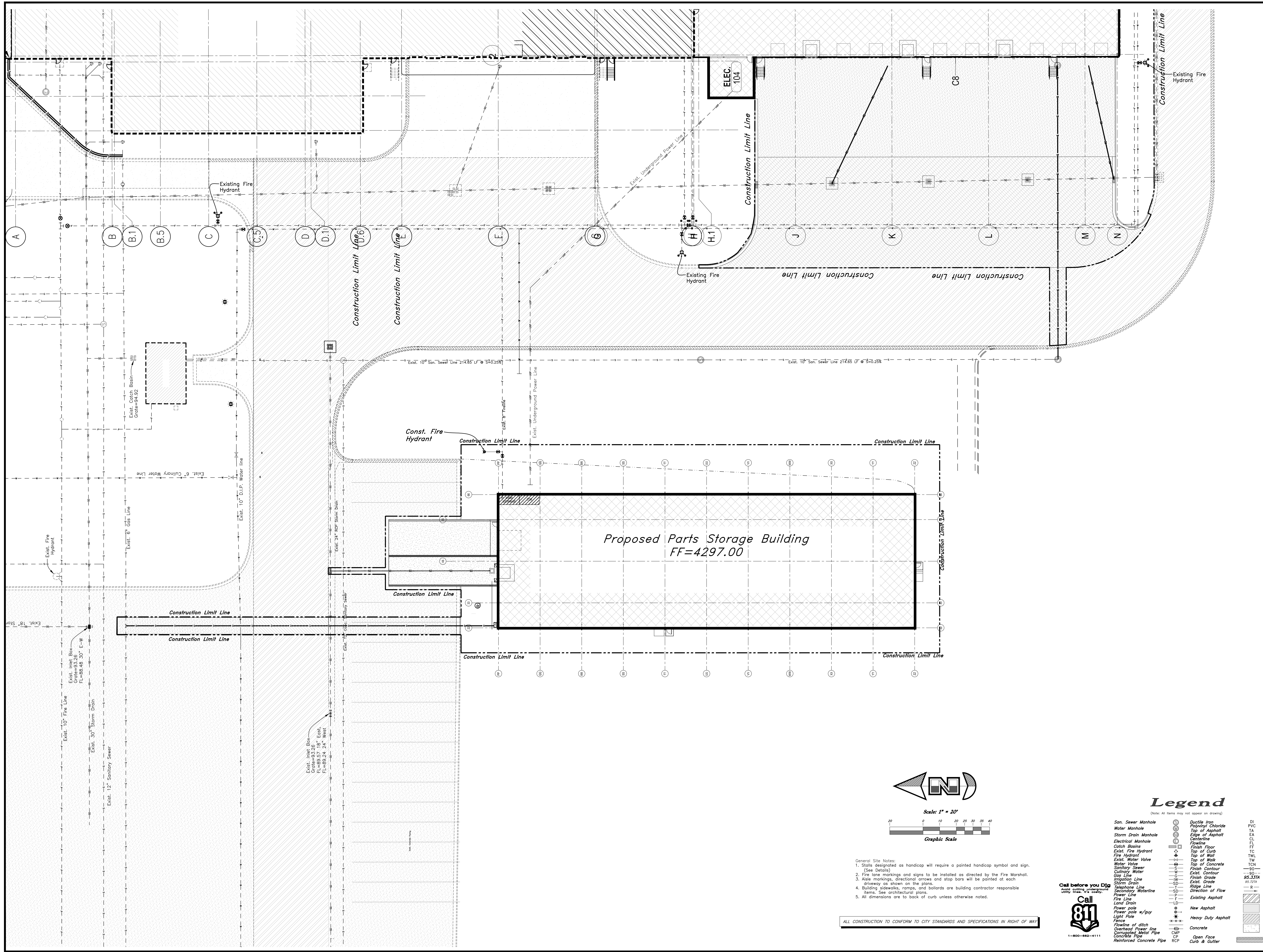


Legend

(Note: All items may not appear on drawing.)

San. Sewer Manhole	⊙	Ductile Iron	DI
Water Manhole	⊙	Polyvinyl Chloride	PVC
Storm Drain Manhole	⊙	Top of Asphalt	TA
Electrical Manhole	⊙	Edge of Asphalt	EA
Centerline	—	Centerline	CL
Catch Basins	⊙	Flowline	FL
Exist. Fire Hydrant	⊙	Finish Floor	FF
Water Valve	⊙	Top of Curb	TC
Sanitary Sewer	—	Top of Wall	TW
Culinary Water	—	Top of Concrete	TCN
Gas Line	—	Finish Contour	FC
Irrigation Line	—	Exist. Contour	EC
Storm Drain	—	Trash Grade	TG
Telephone Line	—	Exist. Grade	EG
Secondary Waterline	—	Ridge Line	RL
Power pole	⊙	Direction of Flow	DF
Power pole w/guy	⊙	Existing Asphalt	EA
Land Drain	⊙	New Asphalt	NA
Light Pole	⊙	Heavy Duty Asphalt	HDA
Fence	—	Concrete	CON
Overhead Power line	—	Corrugated Metal Pipe	CMP
Concrete Pipe	—	Reinforced Concrete Pipe	RCP
Open Face Curb & Gutter	—		

<p>GREAT BASIN ENGINEERING</p> <p>1475 EAST DUBEN UYAH BLDG 3 87400 S.W. 15th St. Portland, OR 97224 WWW.GREATBASINENGINEERING.COM</p>	<p>DATE</p> <p>REV</p> <p>DESCRIPTION</p>
<p>Demolition Plan</p> <p>Kimberly-Clark Parts Storage Building</p> <p>2010 Rulon White Boulevard</p>	
<p>26 June, 2018</p> <p>SHEET NO.</p> <p>C001</p> <p>181103</p>	



- General Site Notes:
1. Stalls designated as handicap will require a pointed handicap symbol and sign. (See Details).
 2. Fire lane markings and signs to be installed as directed by the Fire Marshal.
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Legend

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Water Manhole	⊙	Polyvinyl Chloride	PVC
Storm Drain Manhole	⊙	Top of Asphalt	TA
Electrical Manhole	⊙	Edge of Asphalt	EA
Centerline	—	Centerline	CL
Catch Basins	⊙	Flowline	FL
Finish Floor	—	Finish Floor	FF
Top of Curb	—	Top of Curb	TC
Top of Wall	—	Top of Wall	TW
Top of Concrete	—	Top of Concrete	TCN
Finish Contour	—	Finish Contour	FC
Existing Contour	—	Existing Contour	EC
Trough Grade	—	Trough Grade	90
Exist. Grade	—	Exist. Grade	93.1374
Ridge Line	—	Ridge Line	93.1274
Direction of Flow	—	Direction of Flow	R
Existing Asphalt	—	Existing Asphalt	R
New Asphalt	—	New Asphalt	—
Heavy Duty Asphalt	—	Heavy Duty Asphalt	—
Concrete	—	Concrete	—
Open Face	—	Open Face	—
Curb & Gutter	—	Curb & Gutter	—



Overall Utility Plan

Kimberly-Clark Parts Storage Building

2010 Rulon White Boulevard

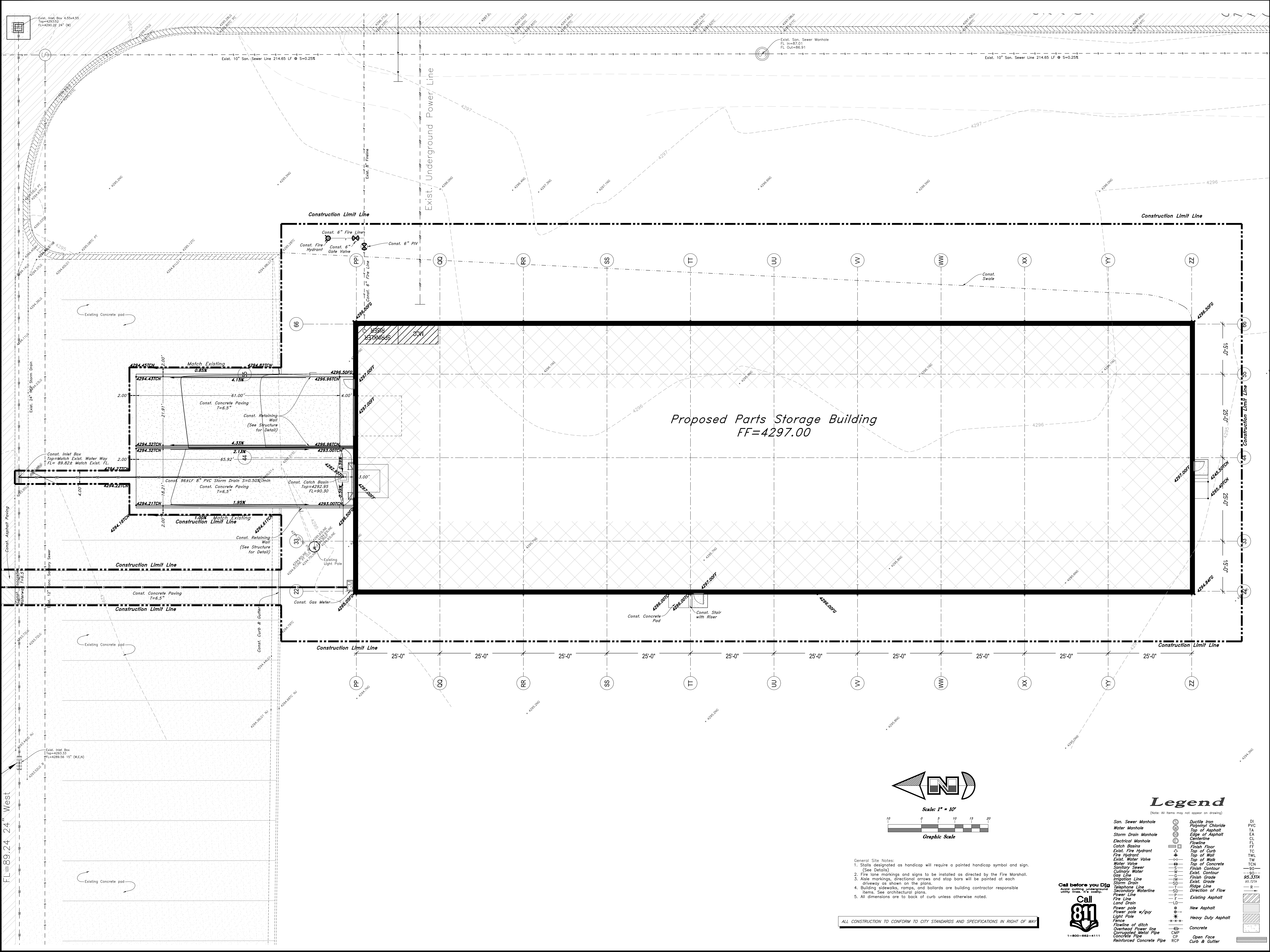
26 June, 2018

SHEET NO. **C100**

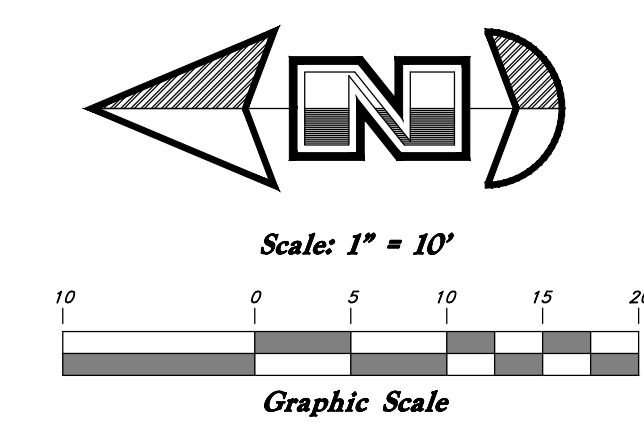
181103

GREAT BASIN ENGINEERING

14715 EAST DUBEN UTILITY BLVD
SUITE 100
DENVER, CO 80231
WWW.GREATBASINENGINEERING.COM



FL=89.24 24" West



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 5. All dimensions are to back of curb unless otherwise noted.

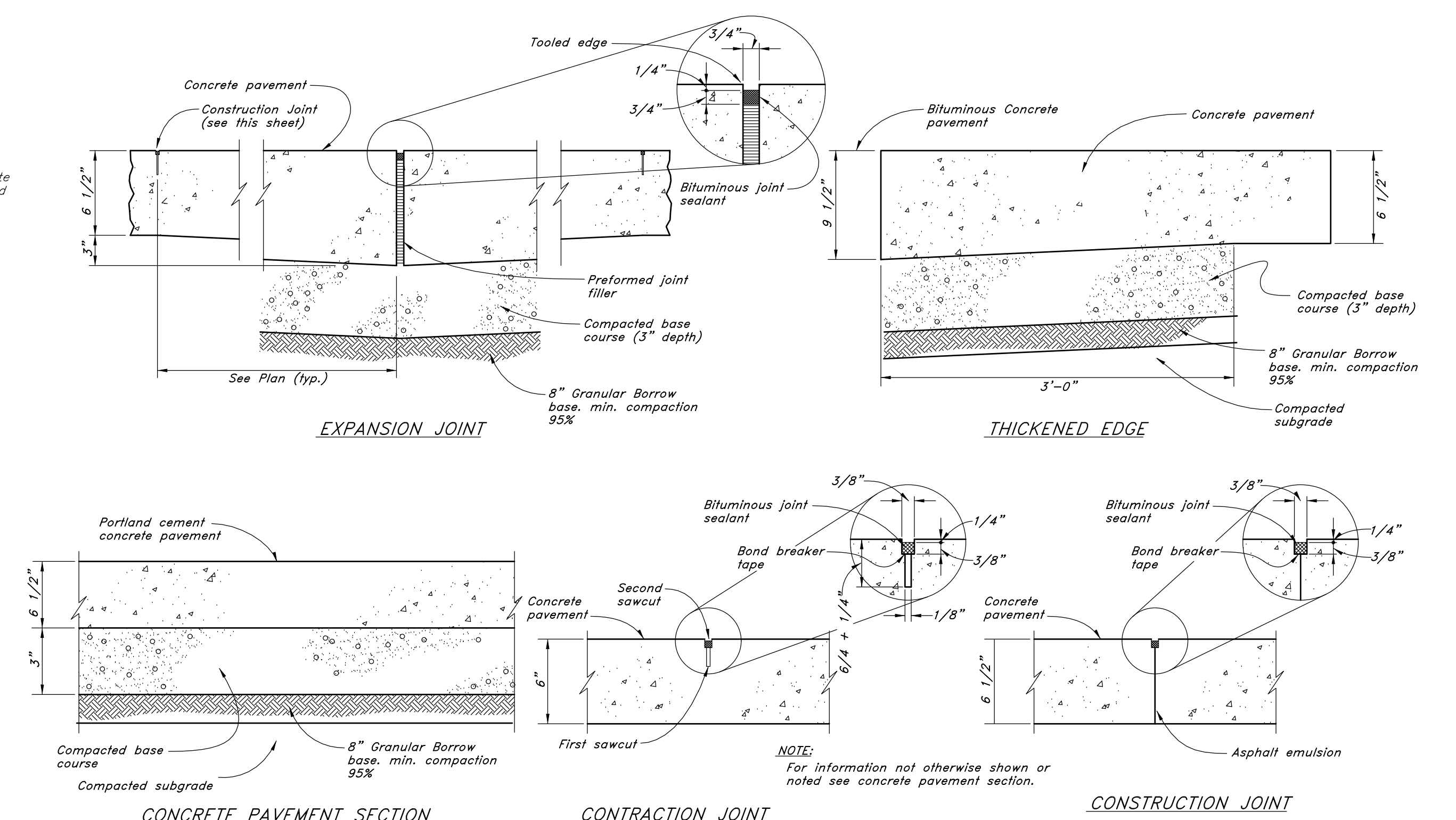
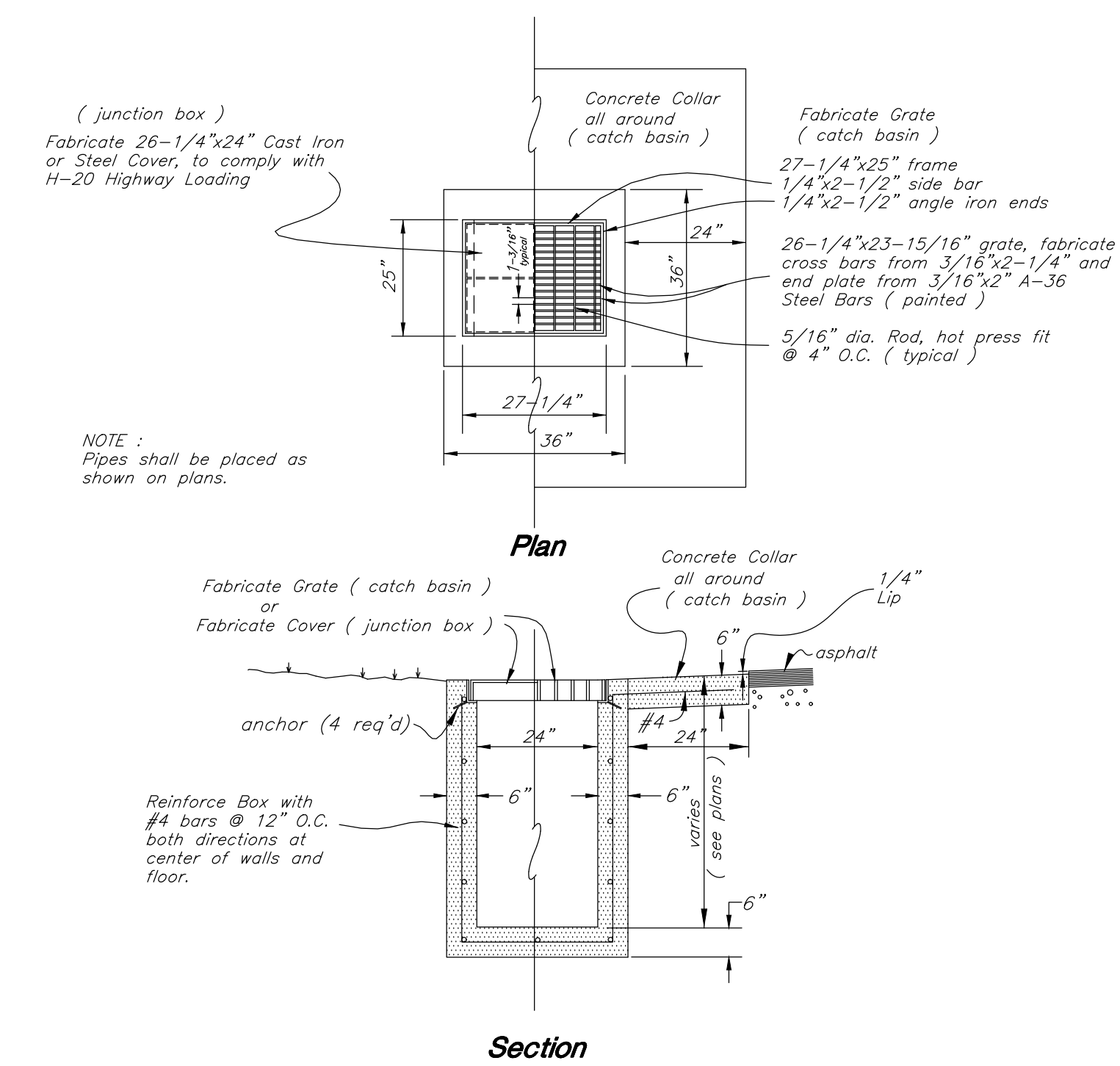
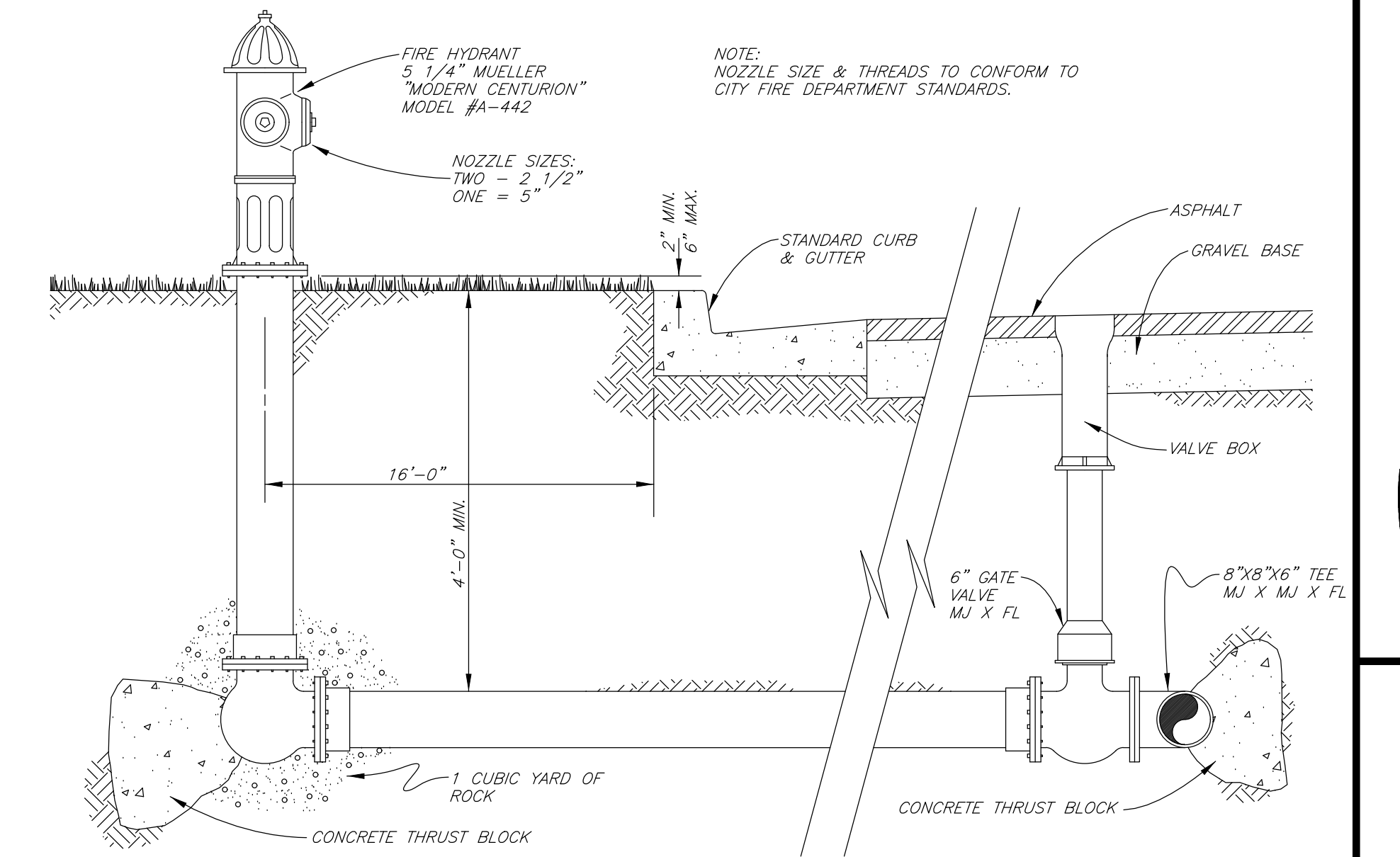
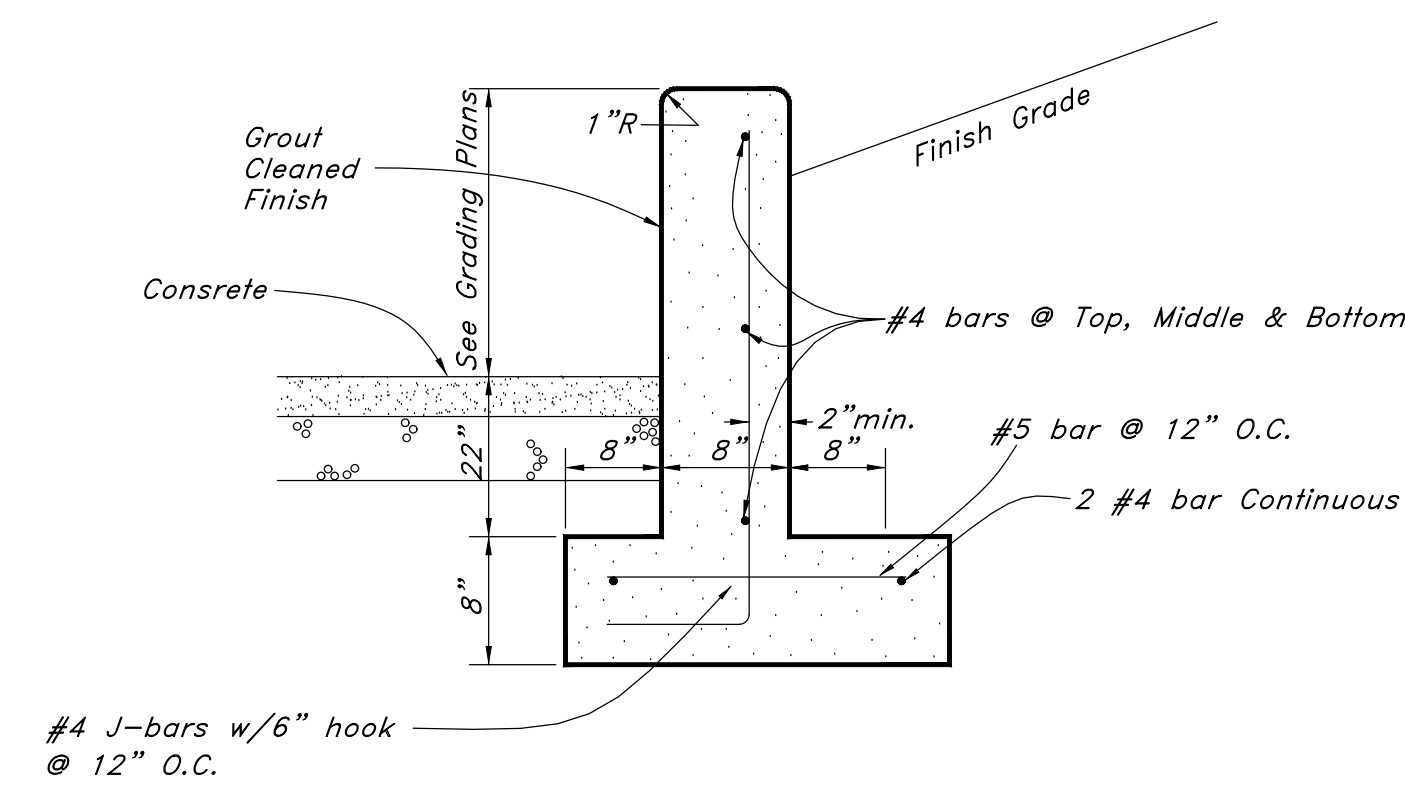
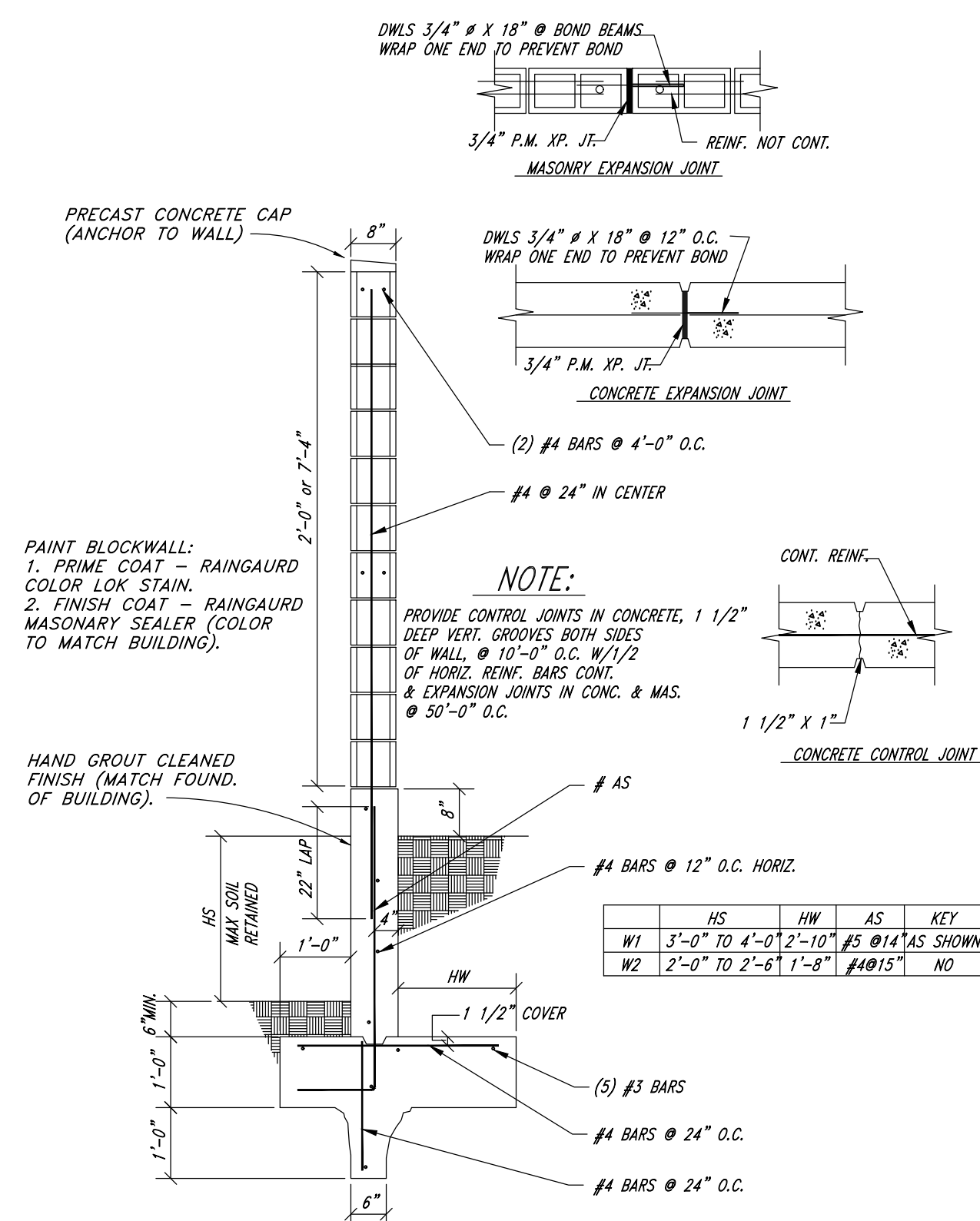
Legend
(Note: All items may not appear on drawing)

San. Sewer Manhole	⊙	Ductile Iron	DI
Water Manhole	⊙	Polyvinyl Chloride	PVC
Storm Drain Manhole	⊙	Top of Asphalt	TA
Electrical Manhole	⊙	Edge of Asphalt	EA
Centerline	—	Centerline	CL
Catch Basins	⊙	Flowline	FL
Finish Floor	—	Finish Floor	FF
Top of Wall	—	Top of Wall	TW
Top of Walk	—	Top of Walk	TW
Top of Concrete	—	Top of Concrete	TC
Finish Contour	—	Finish Contour	FC
Exist. Contour	—	Exist. Contour	EC
Ridge Line	—	Ridge Line	RL
Direction of Flow	—	Direction of Flow	DF
Existing Asphalt	—	Existing Asphalt	EA
New Asphalt	—	New Asphalt	NA
Heavy Duty Asphalt	—	Heavy Duty Asphalt	HA
Concrete	—	Concrete	CO
Open Face Curb & Gutter	—	Open Face Curb & Gutter	OC

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Site, Grading and Utility Plan
Kimberly-Clark Parts Storage Building
2010 Rulon White Boulevard

26 June, 2018
SHEET NO. **C101**
181103



Portland Cement Concrete Pavement

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Detail Sheet
Kimberly-Clark Parts Storage Building
 2010 Rulon White Boulevard

DATE: _____
 REF: _____
 26 June, 2018
 SHEET NO. **C401**
 18103

NUMBER	DOOR			FRAME				FIRE RATING	HARDWARE GROUP	NOTES	NUMBER
	SIZE			DETAIL							
	WIDTH	HEIGHT	TYPE	HEAD	JAMB	THRES	TYPE				
100	10' - 0"	10' - 0"	-	-	-	-	OH01	-	-	1	100
200	12' - 0"	14' - 0"	-	-	-	-	OH01	-	-	2	200
300	3' - 0"	7' - 0"	HS01	-	-	-	HS01	-	01		300
400	3' - 0"	7' - 0"	HS01	-	-	-	HS01	-	01		400
500	3' - 0"	7' - 0"	HS01	-	-	-	HS01	-	01		500

DOOR SCHEDULE NOTES

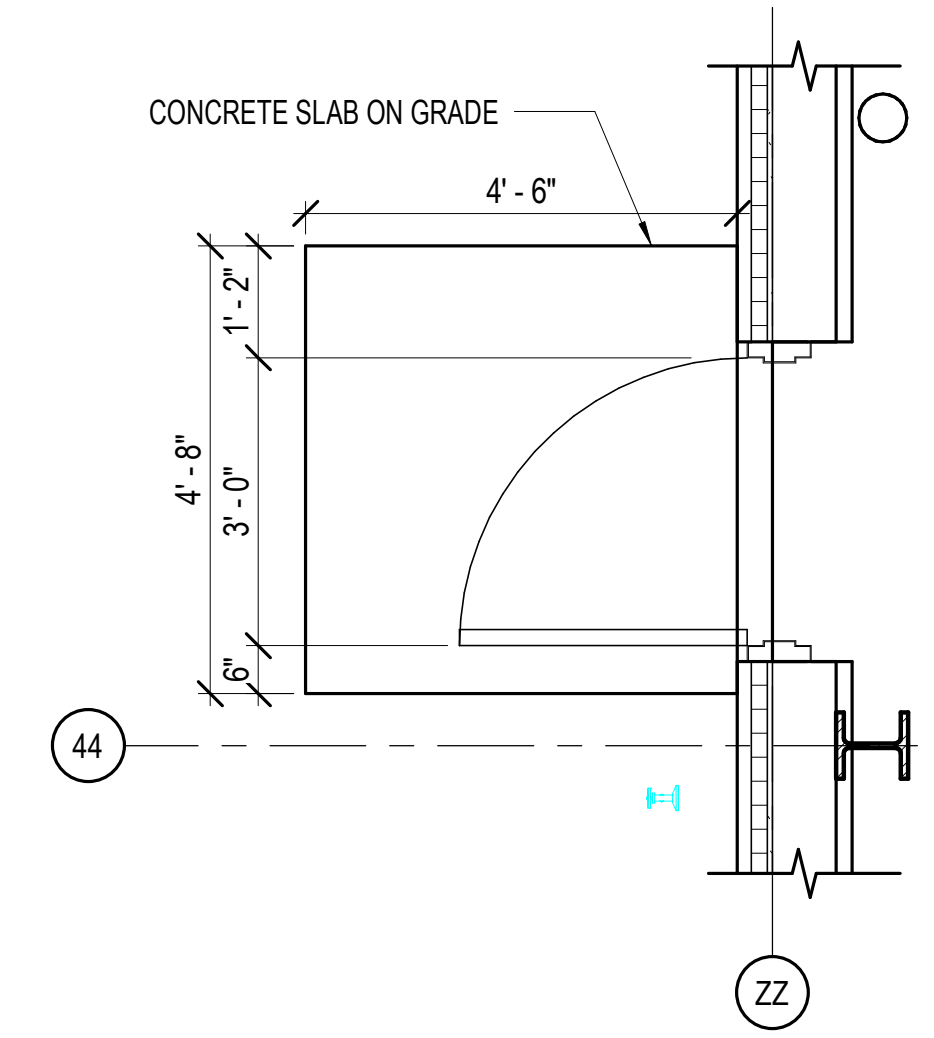
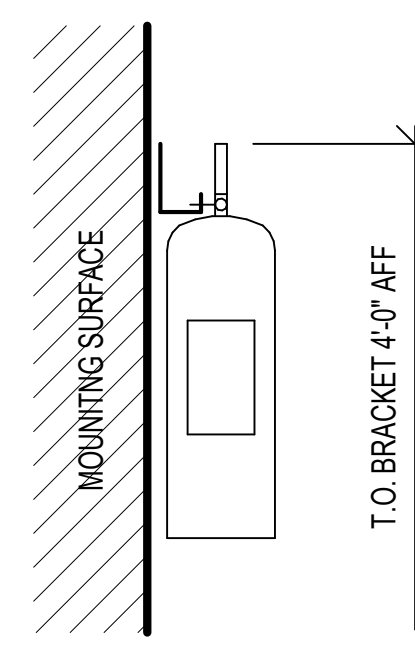
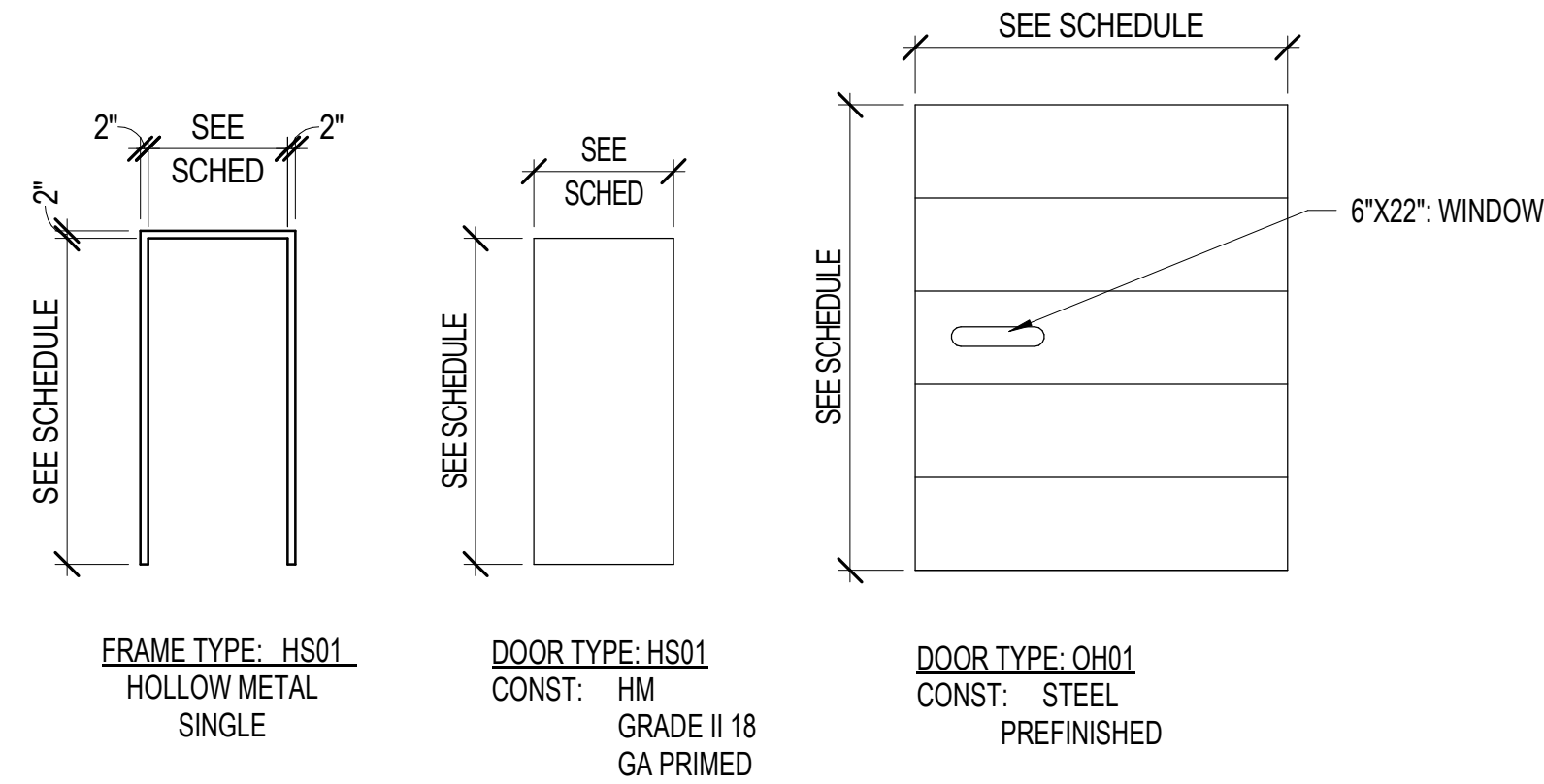
- MOTORIZED DOOR WITH PUSH BOTTOM CONTROLS ON INTERIOR
- MOTORIZED DOOR WITH KEY ACTIVATED CONTROLS ON EXTERIOR AND PUSH BUTTON CONTROLS ON INTERIOR

DOOR HARDWARE GROUPS

GROUP NO. 1

EACH TO HAVE:

QTY.	DESCRIPTION	CATALOG NUMBER	FIN	MFR
3 EA	HINGE	5BB1 4.5 X 4.5 NRP	652	IVE
1 EA	STOREROOM LOCK	ML2057 MATCH EXISTING	626	C-R
1 EA	MORTISE CYLINDER	1080 KEYWAY TO MATCH EXISTING	626	C-R
1 EA	SURFACE CLOSER	4050 HW/PA TBWMS	689	LCN
1 EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
3 EA	SILENCER	SR64	GRY	IVE



GENERAL NOTE - FLOOR PLAN

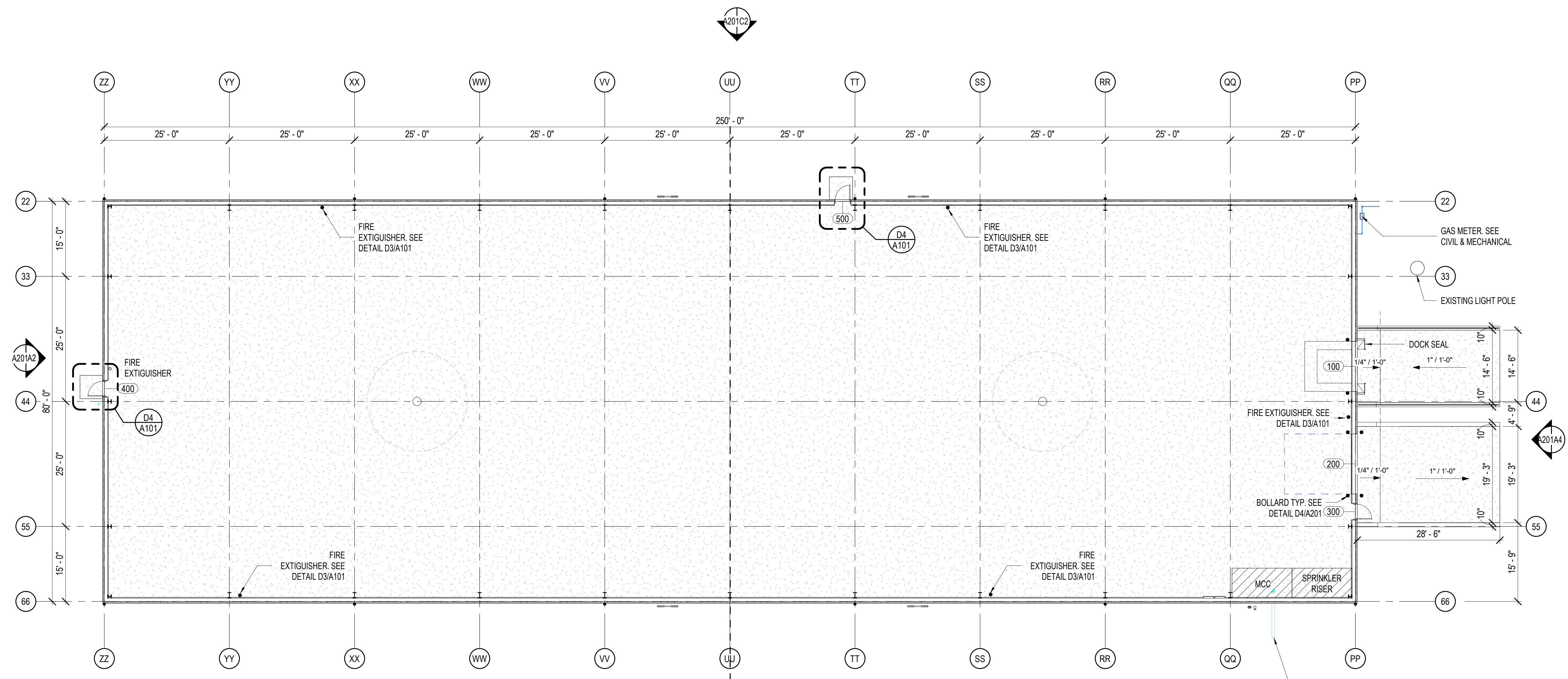
- PLAN WALL DIMENSIONS ARE TO GRID LINE OR FACE OF WALL STRUCTURE. "CLEAR" DIMENSIONS ARE TO FACE OF WALL FINISH.
- FIELD VERIFY ALL EXISTING CONDITIONS AND THEIR COMPATIBILITY WITH NEW CONSTRUCTION PRIOR TO THE COMMENCEMENT OF WORK. COORDINATE DISCREPANCIES WITH ARCHITECT.
- DO NOT SCALE DRAWINGS.
- SEE CIVIL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR MORE INFORMATION.
- SEE G SERIES SHEETS FOR WALL TYPES AND TYPICAL ACCESSIBILITY CLEARANCE AND COMPLIANCE REQUIREMENTS.
- 6" BOLLARDS TO BE PLACED ON EACH SIDE OF ALL DOCK DOORS AND PERSONEL DOORS ON THE INTERIOR.
- 8" BOLLARDS TO BE PLACED ON EACH SIDE OF PERSONEL DOORS ON THE EXTERIOR.



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KIMBERLY-CLARK PARTS STORAGE SHED
2010 RULON WHITE BOULEVARD, OGDEN UT 84404



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NEXUS PROJECT #: 18059
CHECKED BY:
DRAWN BY:
DATE: 6/27/2018

LEVEL 01 FLOOR PLAN

A101

GENERAL NOTE - RCP

- A. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL LIGHTING AND DIFFUSER INFORMATION.
- B. THE CONTRACTOR SHALL COORDINATE ALL TRADES TO ENSURE THAT DESIGNATED CEILING HEIGHTS CAN BE ACHIEVED. NOTIFY ARCHITECT OF ANY CONFLICTS OR CONDITIONS THAT PREVENT THIS FROM OCCURRING BEFORE PROCEEDING WITH THE WORK.
- C. SEE ELECTRICAL DRAWINGS FOR LIGHTING LAYOUT.



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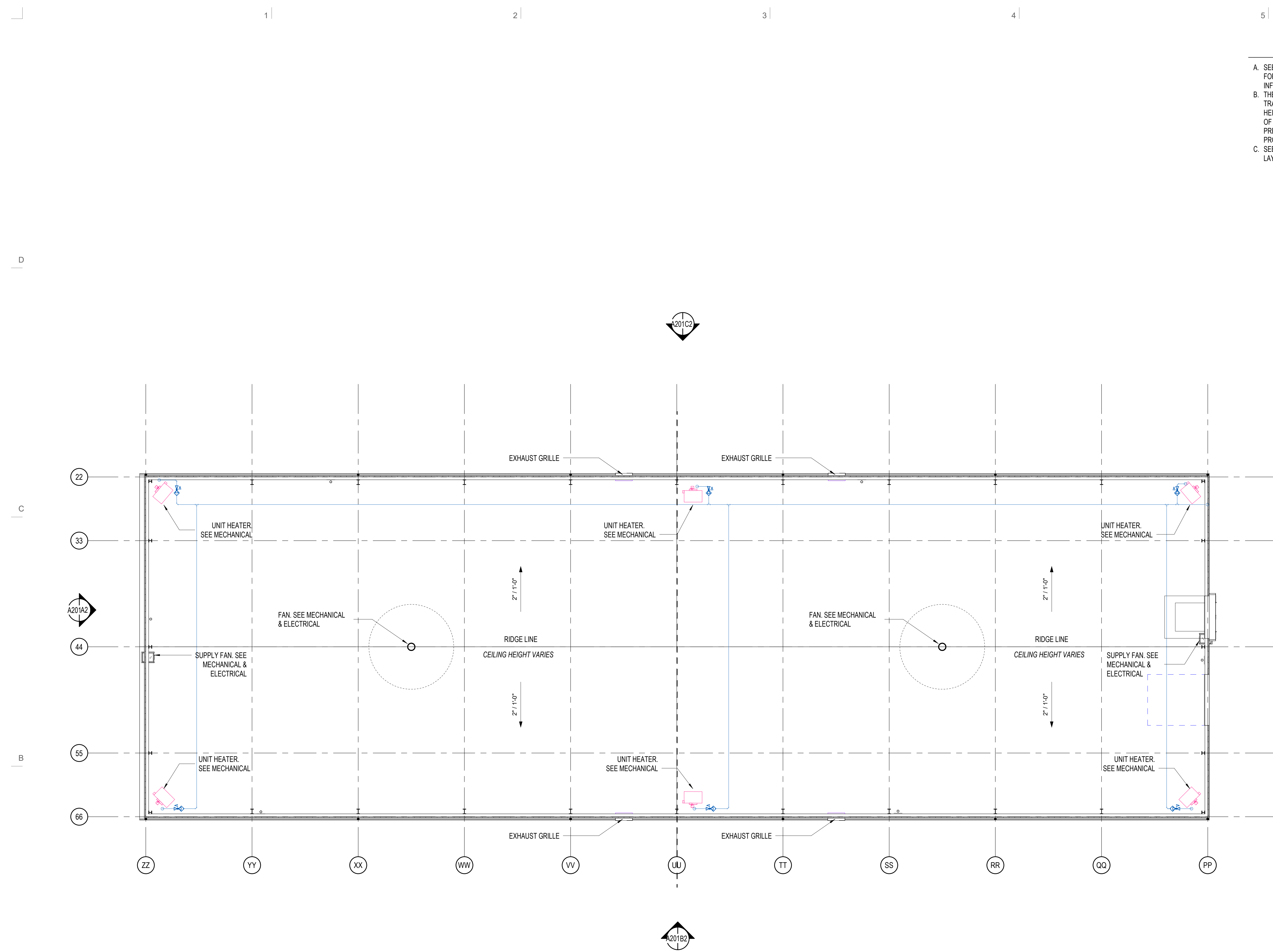
Date Revision

REVIEW SET

NEXUS PROJECT #: 18059
CHECKED BY: MAD
DRAWN BY: JW
DATE: 6/27/2018

REFLECTED CEILING PLAN

A151



A1 LEVEL 01 - REFLECTED CEILING PLAN
A151 3/32" = 1'-0"



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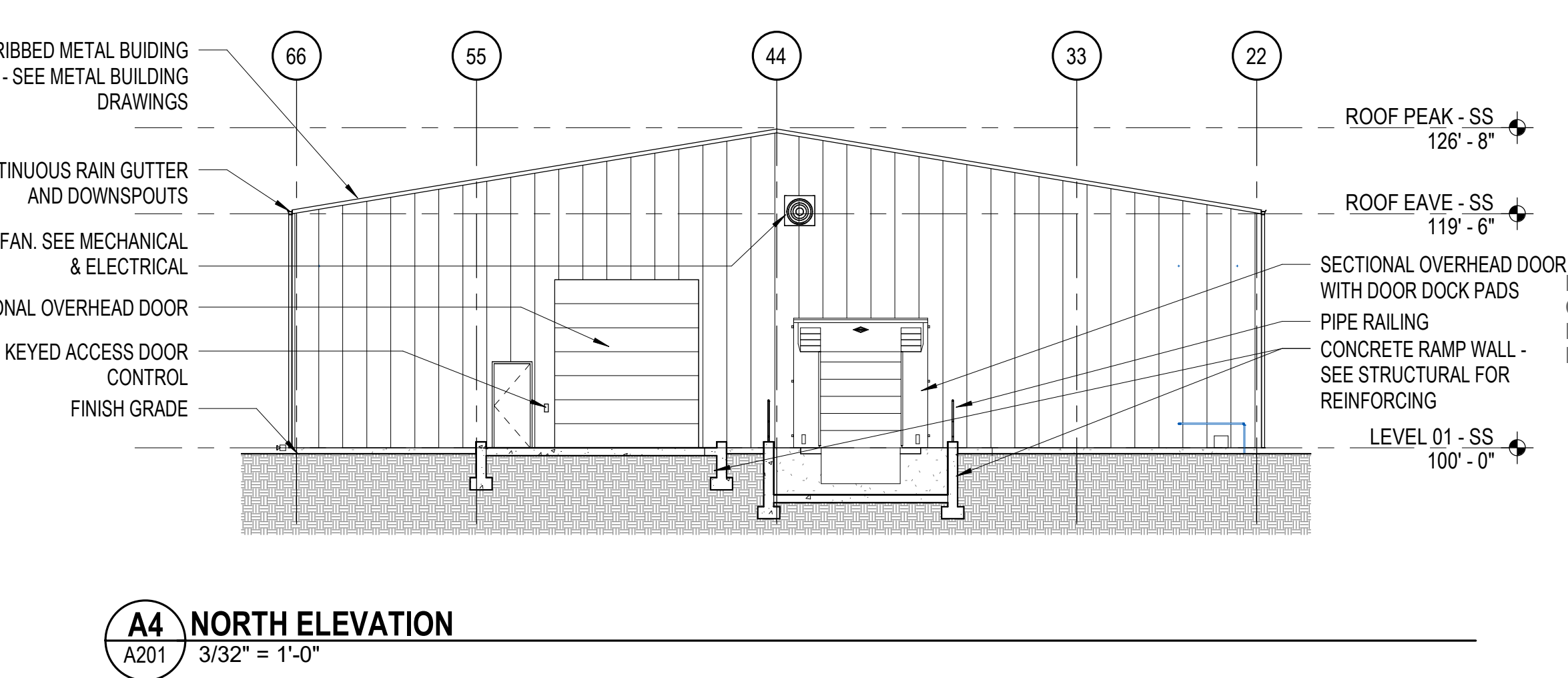
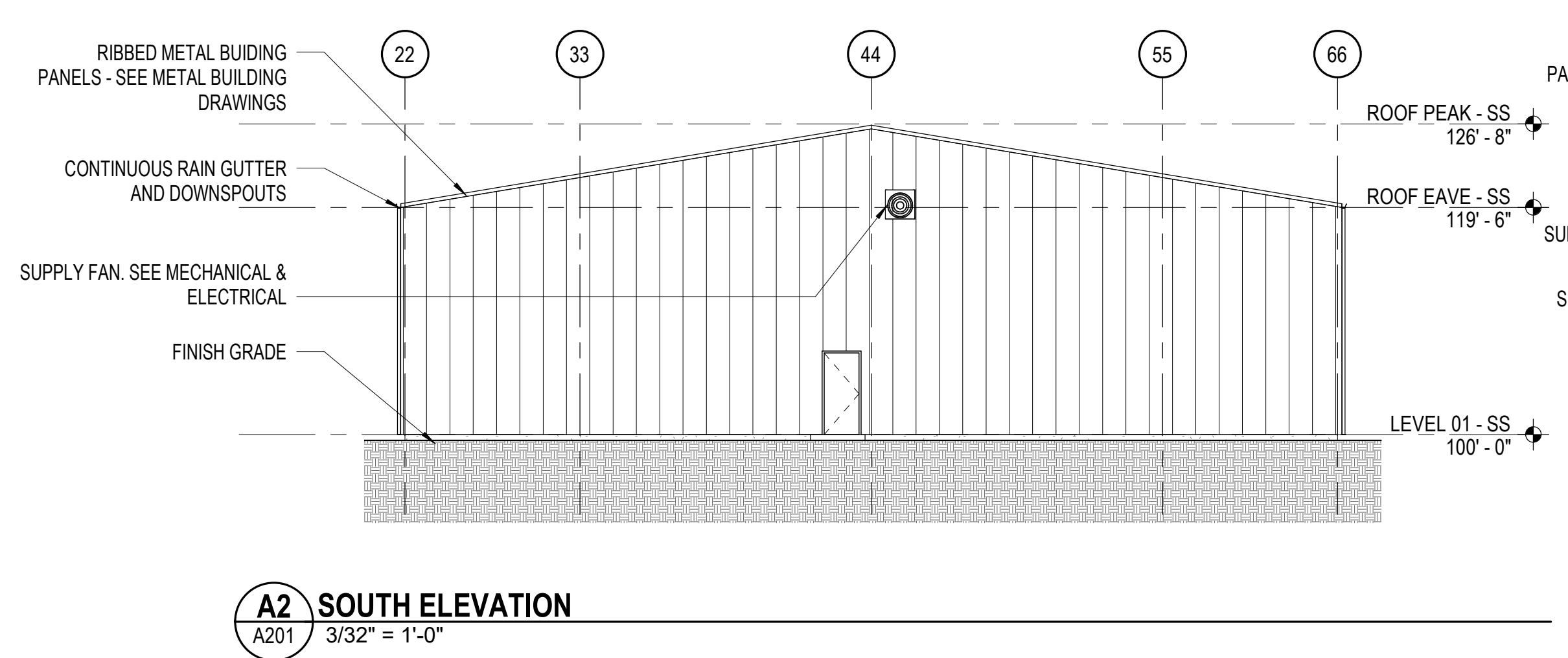
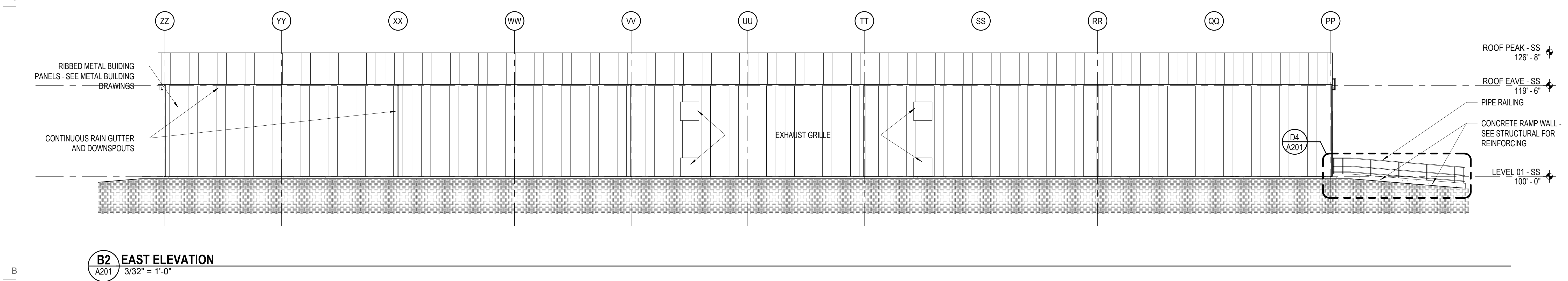
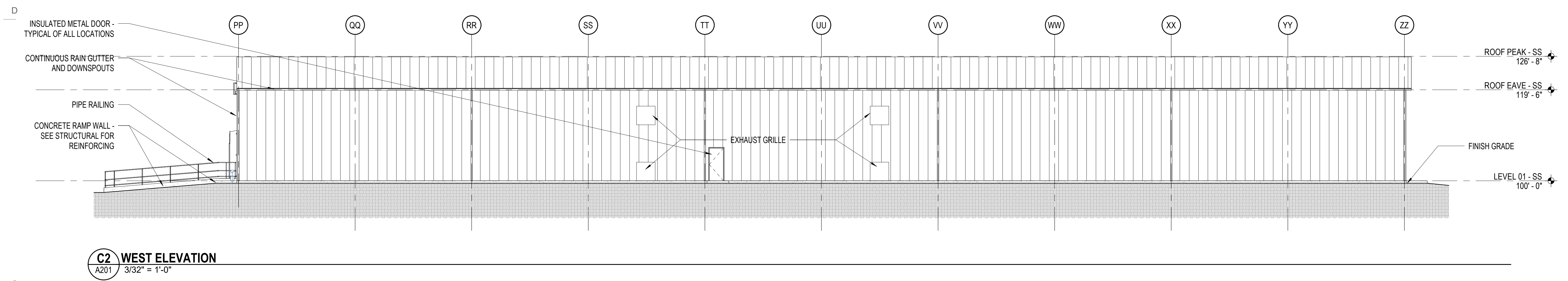
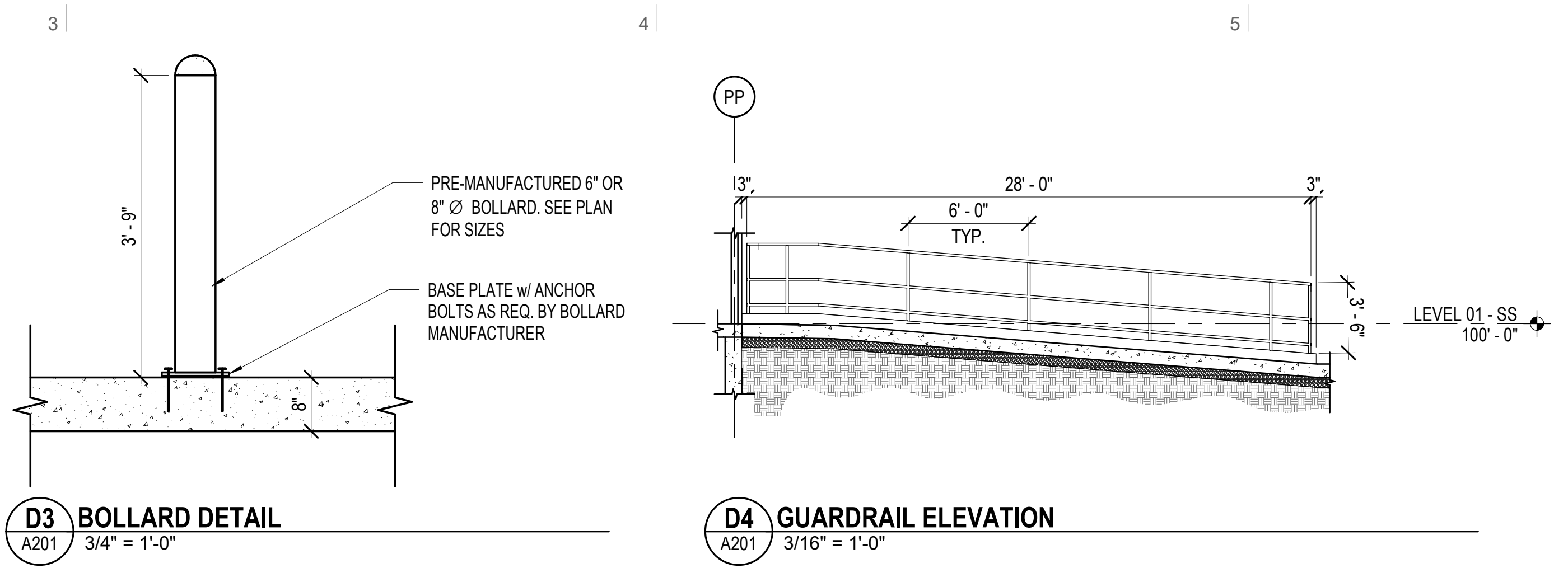
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CHECKED BY:
DRAWN BY:
DATE: 6/27/2018

**BUILDING
ELEVATIONS**

A201



7/2/2018 3:04:37 PM

SPECIAL INSPECTION SCHEDULE ^{1, 2}				
ESTABLISHED PER 2015 IBC SECTION 110 AND CHAPTER 17				
ITEM	CONTINUOUS ³	PERIODIC ³	REFERENCE	COMMENTS
PRE-FAB CONSTRUCTION (IBC 1704.2)			REFERENCE NOTES P1 & P2	P1. SPECIAL INSPECTION IS NOT REQUIRED WHERE THE WORK IS DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION, PROVIDED THE FABRICATOR COMPLIES WITH IBC. INSPECTION FOR PREFABRICATED CONSTRUCTION SHALL BE THE SAME AS IF THE MATERIAL USED IN THE CONSTRUCTION TOOK PLACE ON SITE. SPECIAL INSPECTION WILL NOT BE REQUIRED DURING PREFABRICATION IF THE APPROVED AGENCY CERTIFIES THE CONSTRUCTION AND FURNISHES EVIDENCE OF COMPLIANCE. (SEE NOTE 2). P2.
CONCRETE CONSTRUCTION (IBC 1705.3)			SEE IBC TABLE 1705.3 - REF. NOTE C1	C1. SPECIAL INSPECTION IS NOT REQUIRED FOR CONC. ISOLATED SPREAD FOOTINGS, CONTINUOUS FOOTINGS, NON-STRUCTURAL SLABS, FOUNDATION WALLS, PATIOS, DRIVEWAYS, AND SIDEWALKS PROVIDED THE REQUIREMENTS OF IBC 1705.3 ARE MET. C2. PERIODIC SPECIAL INSPECTION IS ALLOWED FOR VERIFICATION OF THE WELDABILITY OF REINFORCING STEEL RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES. BOUNDARY ELEMENTS OF SPECIAL REINFORCED CONCRETE SHEAR WALLS, AND SHEAR REINFORCEMENT. PERIODIC SPECIAL INSPECTION IS ALLOWED FOR WELDING OF OTHER ASTM A 706 REINFORCING STEEL NOT INCLUDED IN THE CONTINUOUS SPECIAL INSPECTION REQUIREMENTS NOTED ABOVE. C3. PERFORM AIR, SLUMP AND TEMP. TESTS WHEN CONCRETE SAMPLES ARE CAST. C4. PERIODIC SPECIAL INSPECTION IS REQUIRED FOR VERIFICATION OF IN-SITU CONCRETE STRENGTH FOR POST-TENSIONED CONCRETE PRIOR TO TENSIONING TENDONS OR REMOVING SHORING OR FORMS. C5. EPOXY AND EXPANSION ANCHORS INTO MASONRY OR CONCRETE MAY BE USED ONLY WHEN APPROVED BY ARCHITECT, AND/OR ENGINEER USING AN APPROVED PRODUCT WITH CURRENT PUBLISHED ICC RESEARCH REPORT NUMBERS. COORDINATE CONTINUOUS/PERIODIC SPECIAL INSPECTION REQUIREMENTS WITH ICC REPORT.
REINFORCING STEEL PLACEMENT		●		
WELDING OF REINFORCING STEEL	●	●	REFERENCE NOTE C2	
EMBEDDED BOLTS & PLATES	●			
VERIFYING REQUIRED DESIGN MIX		●		
CONCRETE PLACEMENT / SAMPLING	●		REFERENCE NOTE C3	
CURING TEMPERATURE / TECHNIQUES		●		
PRESTRESSED CONCRETE				
APPLICATION OF PRESTRESSING FORCES	●			
GROUTING BONDED TENDONS	●		IN SEISMIC-FORCE-RESISTING SYSTEM	
ERECTION OF PRECAST MEMBERS		●		
VERIFICATION OF IN-SITU STRENGTH		●	REFERENCE NOTE C4	
EPOXY / EXPANSION ANCHOR PLACEMENT	●	●	REFERENCE NOTE C5	
SOILS (IBC 1705.6)			REFERENCE NOTE F1	F1. SPECIAL INSPECTION OF SOILS SHALL REFERENCE THE APPROVED SOILS REPORT TO DETERMINE COMPLIANCE. F2. WHERE SOILS REPORT IS NOT PROVIDED SPECIAL INSPECTIONS ARE REQUIRED TO VERIFY THAT THE IN-PLACE DRY DENSITY OF THE COMPACTED FILL IS NOT LESS THAN 90 PERCENT OF THE MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT DETERMINED IN ACCORDANCE WITH ASTM D 1557.
VERIFY ADEQUATE MATERIALS BELOW FOOTINGS		●	REFERENCE NOTE F1	
EXCAVATIONS EXTEND TO PROPER DEPTH AND REACH PROPER MATERIAL		●	REFERENCE NOTE F2	
CLASSIFY & TEST CONTROLLED FILL MATERIALS		●	REFERENCE NOTE F2	
PERFORM MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL.	●		REFERENCE NOTE F1	
PROPERLY PREPARED SITE AND SUB-GRADE PRIOR TO FILL.		●	REFERENCE NOTE F1	

GENERAL SPECIAL INSPECTION NOTES :

- THE ITEMS MARKED WITH A "●" IN THE SPECIAL INSPECTION SCHEDULE SHALL BE INSPECTED IN ACCORDANCE WITH IBC CHAPTER 17 BY A CERTIFIED SPECIAL INSPECTOR FROM AN ESTABLISHED TESTING AGENCY. FOR MATERIAL SAMPLING AND TESTING REQUIREMENTS, REFER TO THE MATERIAL SAMPLING AND TESTING SECTION, THE PROJECT SPECIFICATIONS, AND THE SPECIFIC GENERAL NOTES SECTIONS. THE TESTING AGENCY SHALL SEND COPIES OF ALL STRUCTURAL TESTING AND INSPECTION REPORTS DIRECTLY TO THE ARCHITECT, ENGINEER, CONTRACTOR, AND BUILDING OFFICIAL. ANY ITEMS WHICH FAIL TO COMPLY WITH THE APPROVED CONSTRUCTION DOCUMENTS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF DISCREPANCIES ARE NOT CORRECTED, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL, ARCHITECT, AND ENGINEER PRIOR TO COMPLETION OF THAT PHASE OF WORK. SPECIAL INSPECTION TESTING REQUIREMENTS APPLY EQUALLY TO ALL BIDDER DESIGNED COMPONENTS.
- ANY CONSTRUCTION OR MATERIAL THAT HAS FAILED INSPECTION SHALL BE SUBJECT TO REMOVAL AND REPLACEMENT.
- CONTINUOUS SPECIAL INSPECTION MEANS THE FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED. PERIODIC SPECIAL INSPECTION MEANS THE PART-TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK. (IBC SECTION 1702)

STANDARD HOOK & BEND SCHEDULE					
<p>DETAILING DIMENSIONS HOOK A</p> <p>DETAILING DIMENSIONS</p> <p>4 d_s OR 2 1/2" MIN.</p> <p>d_s = BAR DIAMETER D = FINISHED INSIDE BEND DIAMETER</p> <p>D = 6d_s FOR #3 THROUGH #8 D = 8d_s FOR #9 THROUGH #11</p>					
BAR SIZE	DIMENSION OF STANDARD 180-DEG HOOKS, ALL GRADES			DIMENSION OF STANDARD 90-DEG HOOKS, ALL GRADES	
	A	J	D	A	D
#3	5"	3"	2 1/4"	6"	2 1/4"
#4	6"	4"	3"	8"	3"
#5	7"	5"	3 3/4"	10"	3 3/4"
#6	8"	6"	4 1/2"	1'-0"	4 1/2"
#7	10"	7"	5 1/4"	1'-2"	5 1/4"
#8	11"	8"	6"	1'-4"	6"
#9	1'-3"	11 3/4"	9 1/2"	1'-7"	9 1/2"
#10	1'-5"	1'-1 1/4"	10 3/4"	1'-10"	10 3/4"
#11	1'-7"	1'-2 3/4"	12"	2'-0"	12"

FOOTING SCHEDULE								
MARK	WIDTH	LENGTH	THICK	LENGTHWISE REINF.		CROSSWISE REINF.		REMARKS
				NO.	SIZE	NO.	SIZE SPA.	
FC1.5	1'-6"	CONT.	12"	(2)	#5	--	--	
F3	3'-0"	3'-0"	12"	(3)	#5	(3)	#5	TOP & BOTTOM REINF.
F4.5	4'-6"	4'-6"	12"	(4)	#5	(4)	#5	TOP & BOTTOM REINF.

TYP. FOOTING SECTION		TYP. FOOTING SECTION W/ TOP & BOTTOM REINF.	



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KIMBERLY-CLARK
PARTS STORAGE
SHED
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 OGDEN UT 84404



Date Revision

**REVIEW SET
- NOT FOR
CONSTRUCTION**

NEXUS PROJECT #: 18059
CHECKED BY: ZH
DRAWN BY: ZT
DATE: 06/11/18

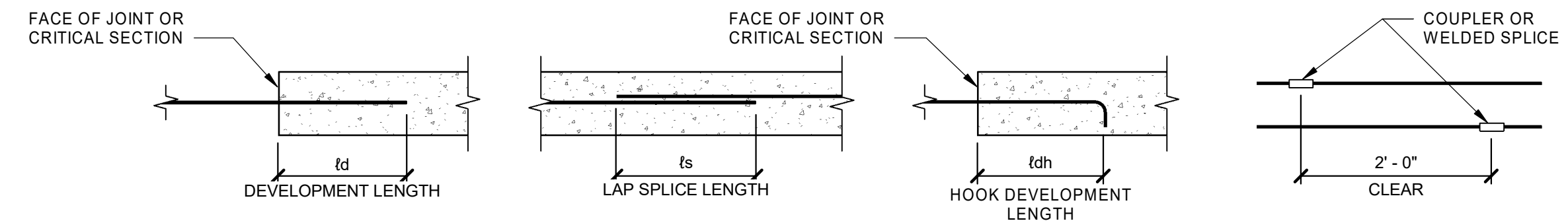
SCHEDULES

S002

1 | 2 | 3 | 4 | 5 |
 D | C | B | A
 6/26/2018 10:54:32 AM
 C:\Users\zach\Documents\S-18179 - Kimberly Clark Storage Shed - v.18_zachPHZZ4.rvt

2015 IBC CONC. REBAR LAP SPLICE SCHEDULE

FOR CONCRETE APPLICATIONS (ACI 318 - 14)



BAR LOCATION	CONCRETE REINFORCING & SPLICE LENGTHS (IN)																								COMMENTS		
	CONCRETE		BAR SIZE																								
	TYPE	STRENGTH	#3		#4		#5		#6		#7		#8		#9		#10		#11								
		ld	ts	ldh	ld	ts	ldh	ld	ts	ldh	ld	ts	ldh	ld	ts	ldh	ld	ts	ldh	ld	ts	ldh					
VERT. WALL BARS, FILL ON METAL DECK	NWC	3000 PSI	17	22	8	22	29	8	28	36	10	33	43	12	48	62	13	55	72	15	62	17	69	19	76	30	
HORIZ. WALL BARS, FOOTING TOP BARS	NWC	3000 PSI	17	22	8	22	29	8	28	36	10	33	43	12	48	62	13	55	72	15	62	17	69	19	76	30	
BEAM BOTTOM BARS, COLUMN BARS	NWC	3000 PSI	17	22	8	22	29	11	28	36	14	33	43	16	48	62	19	55	72	22	62	25	69	27	76	30	
FOOTING BOTTOM BARS	NWC	3000 PSI	12	16	8	14	18	8	17	22	10	20	26	12	29	38	13	33	43	15	37	17	42	19	46	30	
BEAM TOP BARS	NWC	3000 PSI	22	29	8	29	38	11	36	47	14	43	56	16	63	82	19	72	94	22	81	25	90	27	98	30	
SLAB ON GRADE	NWC	3000 PSI	12	16	8	14	18	8	17	22	10	20	26	12	32	42	13	42	55	15	53	17	69	19	76	30	

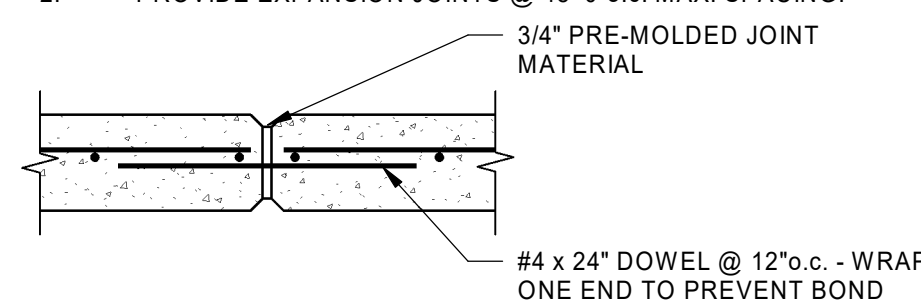
BAR LOCATION	CONCRETE REINFORCING & SPLICE LENGTHS (IN)																								COMMENTS		
	CONCRETE		BAR SIZE																								
	TYPE	STRENGTH	#3		#4		#5		#6		#7		#8		#9		#10		#11								
		ld	ts	ldh	ld	ts	ldh	ld	ts	ldh	ld	ts	ldh	ld	ts	ldh	ld	ts	ldh	ld	ts	ldh	ld	ts	ldh		
VERT. WALL BARS, FILL ON METAL DECK	NWC	4000 PSI	15	20	7	19	25	7	24	31	8	29	38	10	42	55	12	48	62	13	54	15	60	17	66	26	
HORIZ. WALL BARS, FOOTING TOP BARS	NWC	4000 PSI	15	20	7	19	25	7	24	31	8	29	38	10	42	55	12	48	62	13	54	15	60	17	66	26	
BEAM BOTTOM BARS, COLUMN BARS	NWC	4000 PSI	15	20	7	19	25	9	24	31	12	29	38	14	42	55	17	48	62	19	54	21	60	24	66	26	
FOOTING BOTTOM BARS	NWC	4000 PSI	12	16	7	12	16	7	15	20	8	18	23	10	25	33	12	29	38	13	33	15	36	17	40	26	
BEAM TOP BARS	NWC	4000 PSI	19	25	7	25	33	9	31	40	12	37	48	14	54	70	17	62	81	19	70	21	78	24	85	26	
SLAB ON GRADE	NWC	4000 PSI	12	16	7	12	16	7	15	20	8	18	23	10	28	36	12	36	47	13	46	15	60	17	66	26	

BAR LOCATION	CONCRETE REINFORCING & SPLICE LENGTHS (IN)																								COMMENTS		
	CONCRETE		BAR SIZE																								
	TYPE	STRENGTH	#3		#4		#5		#6		#7		#8		#9		#10		#11								
		ld	ts	ldh	ld	ts	ldh	ld	ts	ldh	ld	ts	ldh	ld	ts	ldh	ld	ts	ldh	ld	ts	ldh	ld	ts	ldh		
VERT. WALL BARS, FILL ON METAL DECK	NWC	4500 PSI	14	18	7	18	23	6	23	30	8	27	35	9	40	52	11	45	59	13	51	14	56	16	62	25	
HORIZ. WALL BARS, FOOTING TOP BARS	NWC	4500 PSI	14	18	7	18	23	6	23	30	8	27	35	9	40	52	11	45	59	13	51	14	56	16	62	25	
BEAM BOTTOM BARS, COLUMN BARS	NWC	4500 PSI	14	18	7	18	23	9	23	30	11	27	35	13	40	52	16	45	59	18	51	20	56	22	62	25	
FOOTING BOTTOM BARS	NWC	4500 PSI	12	16	7	12	16	6	14	18	8	17	22	9	24	31	11	27	35	13	31	14	34	16	37	25	
BEAM TOP BARS	NWC	4500 PSI	18	23	7	24	31	9	30	39	11	35	46	13	51	66	16	59	77	18	66	20	73	22	80	25	
SLAB ON GRADE	NWC	4500 PSI	12	16	7	12	16	6	14	18	8	17	22	9	27	35	11	34	44	13	44	14	56	16	62	25	

- NOTES:
- MECHANICAL COUPLERS MAY BE USED IN LIEU OF LAP SPLICES SHOWN. SEE STRUCTURAL NOTES FOR MINIMUM COUPLER CAPACITY. WHERE MECHANICAL COUPLERS ARE USED, STAGGER ADJACENT SPLICES A MINIMUM OF 24" AS INDICATED ABOVE.
 - DEVELOPMENT LENGTHS SHALL BE INCREASED BY 50% FOR STRAIGHT BAR DEVELOPMENT AND 20% FOR HOOKED BARS WHERE EPOXY COATING IS USED.
 - WHEN SPLICING BARS OF DIFFERENT SIZES, USE LAP SPLICE LENGTH OF LARGER BARS UNO.
 - SPLICE BARS LARGER THAN #11 USING MECHANICAL COUPLERS.

UNRESTRAINED RETAINING WALL SCHEDULE

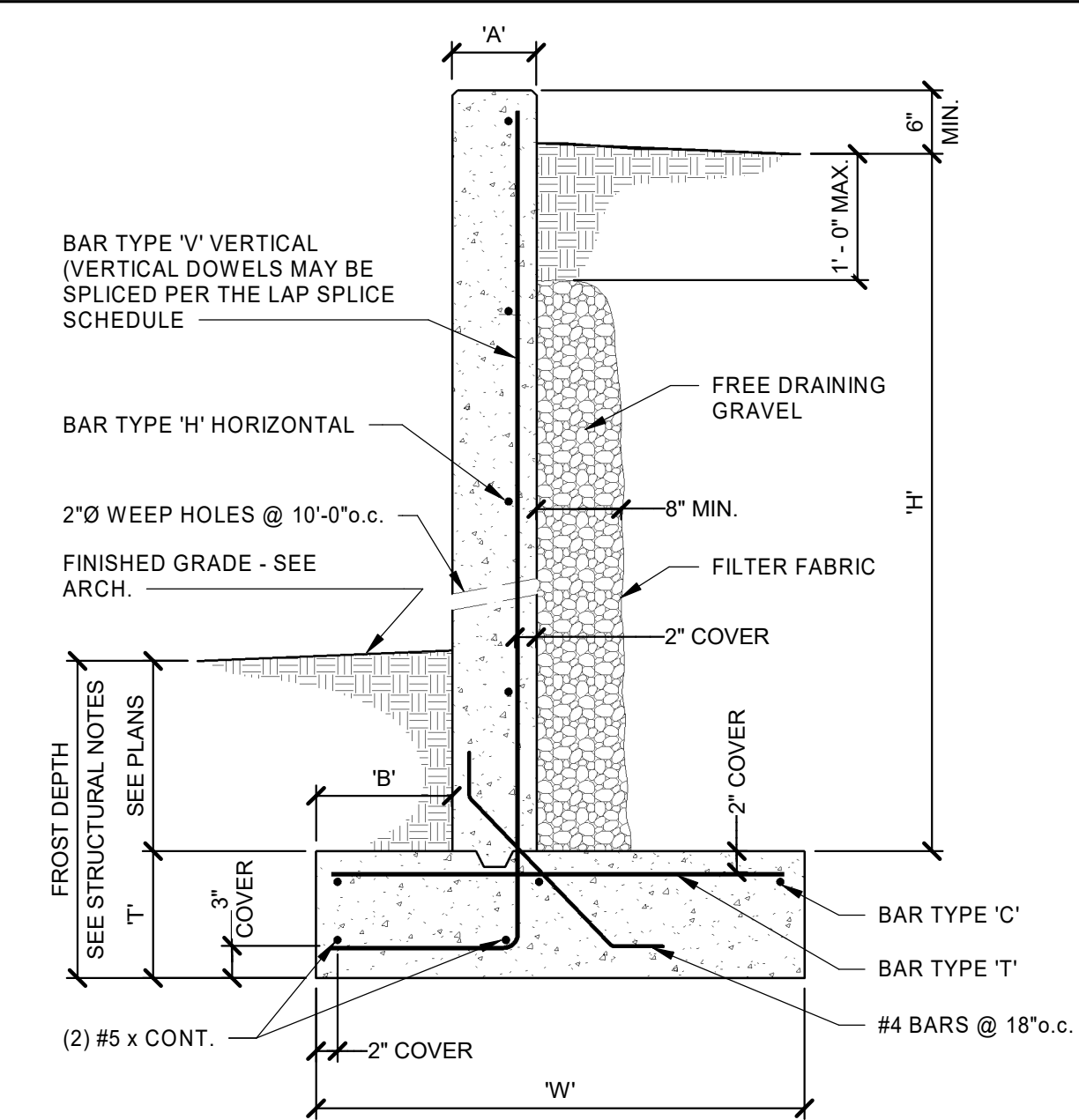
- NOTES:
- PROVIDE 3/4" DEEP VERTICAL CONTROL JOINT AT 15'-0" MAXIMUM SPACING. CONTINUE ALL HORIZONTAL REINFORCING THROUGH JOINT. PROVIDE MATCHING MASONRY (WHERE OCCURS) CONTROL JOINT.
 - PROVIDE EXPANSION JOINTS @ 48'-0" MAX. SPACING.



NOTE: JOINT IN FOOTING NOT REQUIRED.

- EXTEND HORIZONTAL REINFORCING AROUND CORNERS OR ADD CORNER BARS AND LAP EACH WAY. SEE REBAR LAP SCHEDULE.
- ALLOW CONCRETE TO REACH 100% OF DESIGN STRENGTH (f'c) PRIOR TO BACKFILLING.
- PROVIDE 2" DIA. PVC PIPE WEEP HOLES @ 10'-0" WITH NON-FERROUS SCREEN AND GRAVEL BACKING. CONTINUOUS PERFORATED FOUNDATION DRAIN LINE TIED TO STORM DRAIN SYSTEM IS AN ACCEPTABLE ALTERNATE TO WEEP HOLES.
- PROVIDE FILTER FABRIC BETWEEN GRANULAR BACKFILL AND BACK SIDE OF WALL. FILTER FABRIC TO BE FREE DRAINING WITHOUT ALLOWING INFILTRATION OF FINE SOILS.
- EVERY OTHER VERTICAL BAR MAY BE DISCONTINUED AT 1/2' ABOVE FOOTING FOR 8'-0" AND 10'-0" HIGH WALLS. 1/3 OF VERTICAL BARS MAY BE DISCONTINUED AT 0.2'H + 30 BAR DIAMETERS AND 0.4'H + 30 BAR DIAMETERS ABOVE FOOTING. SPACING OF VERTICAL BARS SHALL BE 18" MAX. FOR 11'-0" THRU 14'-0" HIGH WALLS.

DIMENSION 'H'	DIMENSION				BAR TYPE 'H'		BAR TYPE 'V'		BAR TYPE 'C'		BAR TYPE 'T'	
	'T'	'A'	'B'	'W'	SIZE	SPACING	SIZE	SPACING	SIZE	NUMBER	SIZE	SPACING
H < 3'-0"	12"	8"	6"	24"	#4	12"o.c.	#4	16"o.c.	#5	---	---	---
3'-0" - 5'-0"	12"	8"	9"	36"	#4	12"o.c.	#4	16"o.c.	#4	(3)	#4	16"o.c.
5'-0" - 7'-0"	12"	8"	18"	48"	#4	12"o.c.	#4	16"o.c.	#4	(5)	#5	16"o.c.
7'-0" - 9'-0"	12"	8"	30"	60"	#4	12"o.c.	#6	12"o.c.	#4	(5)	#5	16"o.c.



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SCHEDULES

S003

D

C

B

A



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**FOOTING &
FOUNDATION
PLAN**

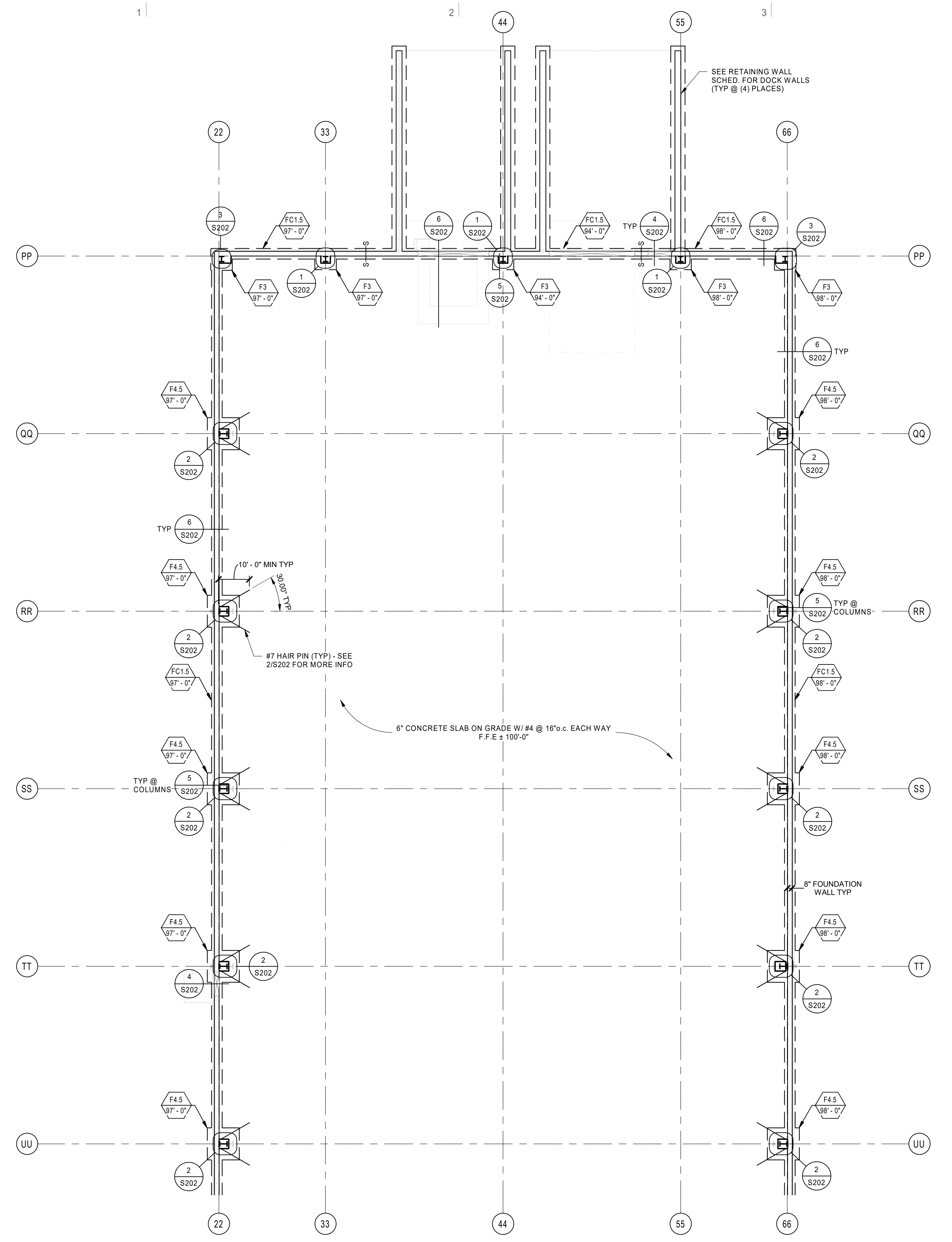
S101

FOOTING & FOUNDATION NOTES :

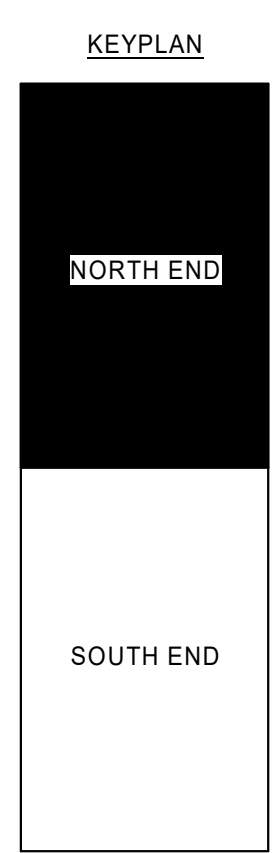
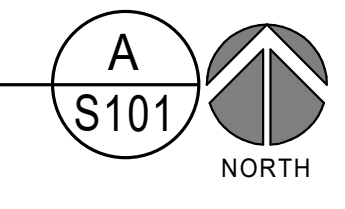
1. SEE SHEET S001 FOR GENERAL STRUCTURAL NOTES.
2. ALL FOOTINGS SHALL BE PLACED ON SOIL WHICH HAS BEEN PREPARED FOR THE BEARING PRESSURE SHOWN IN THE STRUCTURAL NOTES.
3. VERIFY ALL DIMENSIONS WITH DRAWINGS AND NOTIFY ENGINEER OF ANY DISCREPANCIES FOUND.
4. PROVIDE DOWELS IN FOOTINGS / FOUNDATIONS TO MATCH VERTICAL WALL REINFORCING U.N.O.
5. ALL EXTERIOR WALL FOOTINGS TO BEAR A MINIMUM DIMENSION BELOW EXTERIOR GRADE AS NOTED IN GENERAL STRUCTURAL NOTES.
6. FOUNDATION WALLS ARE DESIGNED AND DETAILED FOR THE COMPLETED CONDITION. CONTRACTOR IS RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION. BACKFILLED WALLS SHALL BE ADEQUATELY BRACED DURING CONSTRUCTION AND BACKFILLING TO PRODUCE PLUMB AND TRUE FINISHED WALLS.
7. ALL ANCHORS, HOLD-DOWNS, ANCHOR BOLTS, DOWELS, EMBEDDED ITEMS, ETC. SHALL BE HELD IN PLACE PRIOR TO AND DURING CONCRETE AND/OR GROUT PLACEMENT.
8. COORDINATE ALL FOOTING DEPTHS (INTERIOR AND EXTERIOR) WITH DRAINS, CONDUITS, ETC. THAT MAY INTERFERE WITH FOOTINGS.

CONCRETE SLAB NOTES :

1. SLAB ON GRADE SHALL BE 6" THICK REINFORCED CONCRETE U.N.O. SLAB SHALL BE UNDERLAIN BY FREE DRAINING MATERIAL AS PRESCRIBED IN THE SOILS REPORT.
2. SEE SHEET S2.1 FOR CONTROL AND CONSTRUCTION JOINT INFORMATION.



FOOTING & FOUNDATION PLAN - NORTH END
SCALE : 1/8" = 1'-0"

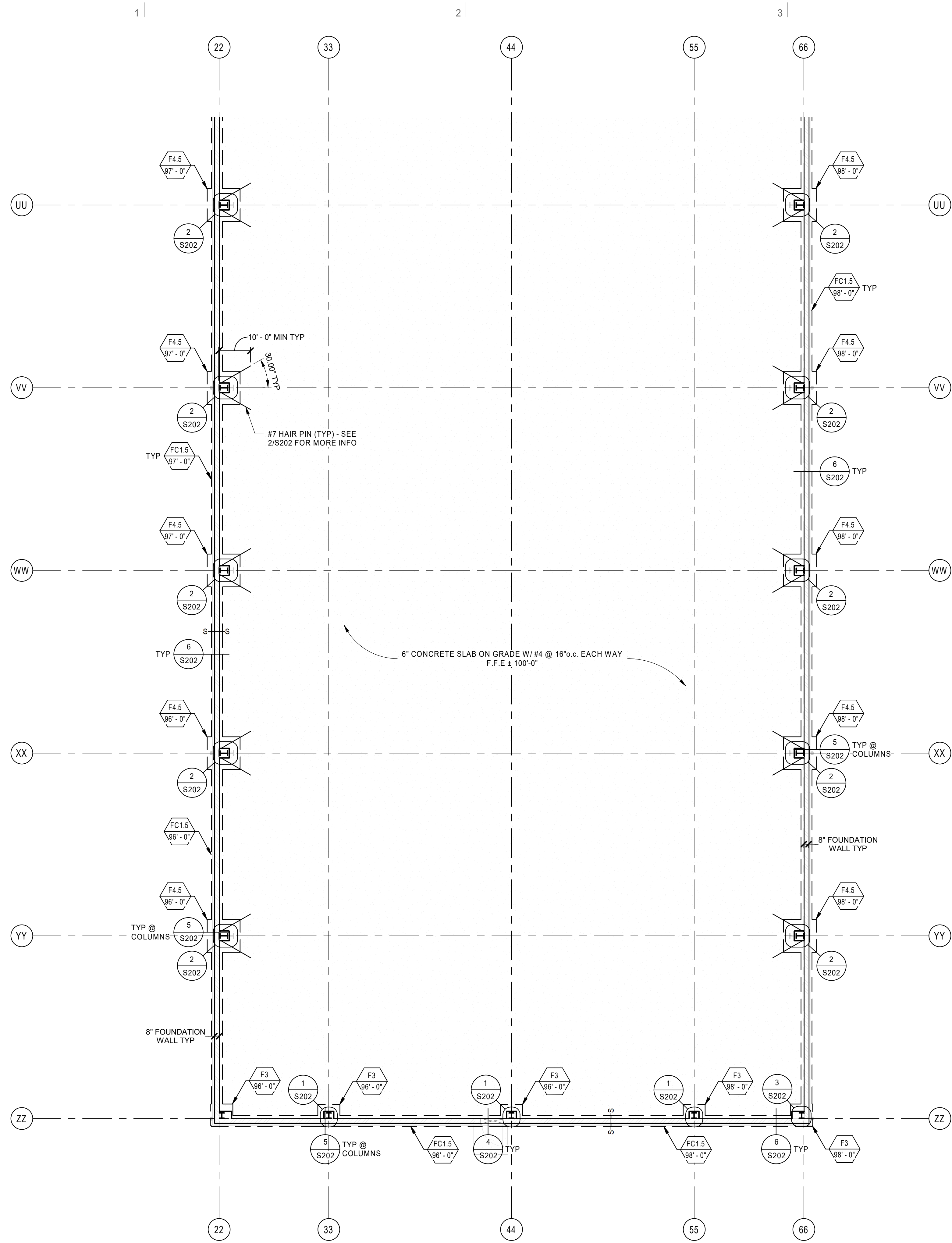


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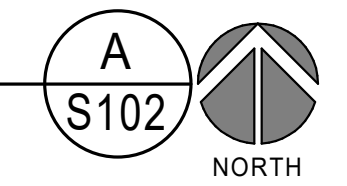
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FOOTING & FOUNDATION PLAN - SOUTH END
SCALE: 1/8" = 1'-0"



NOTES:
1. SEE S101 FOR NOTES.



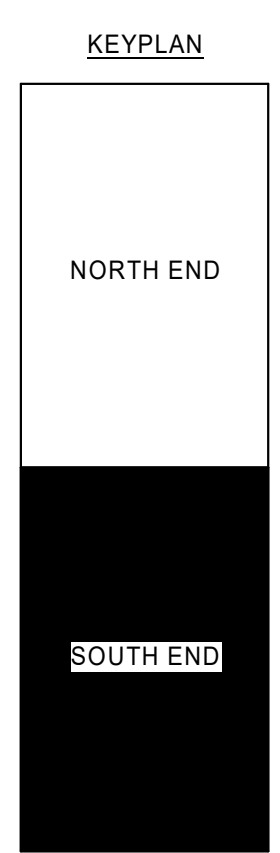
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**FOOTING &
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S102

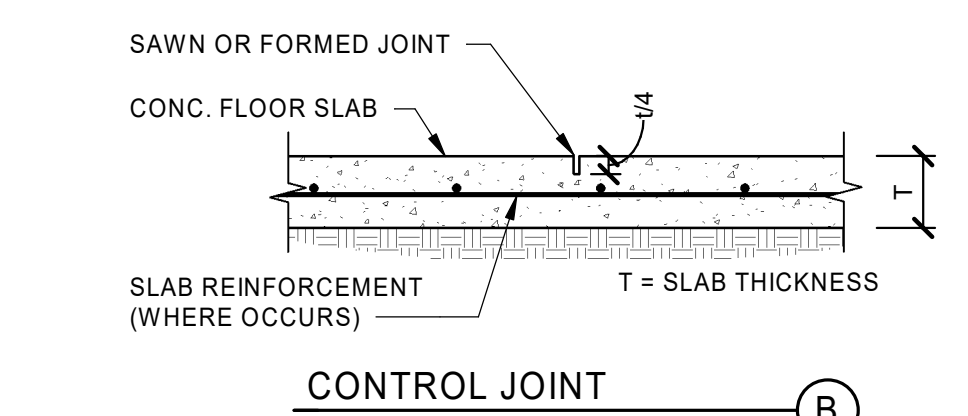
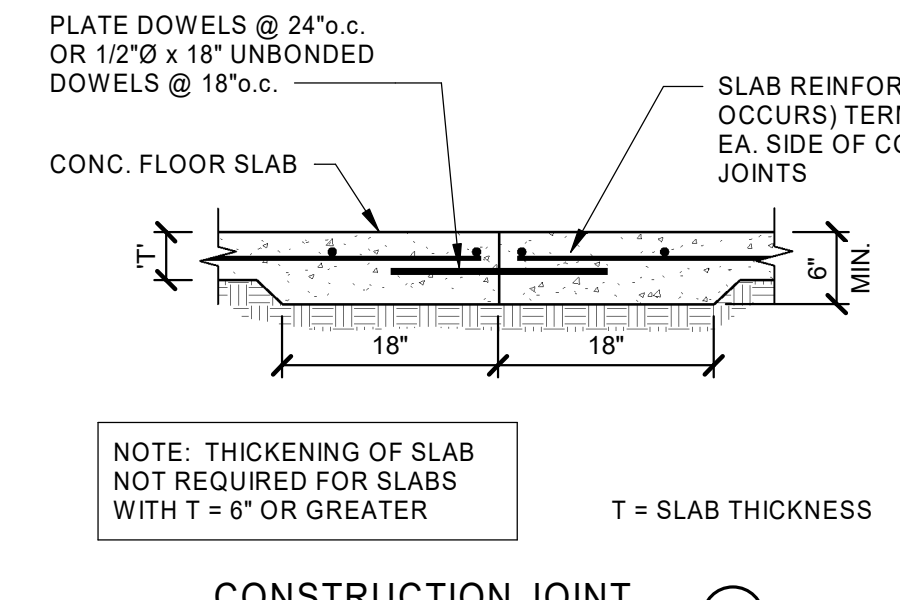
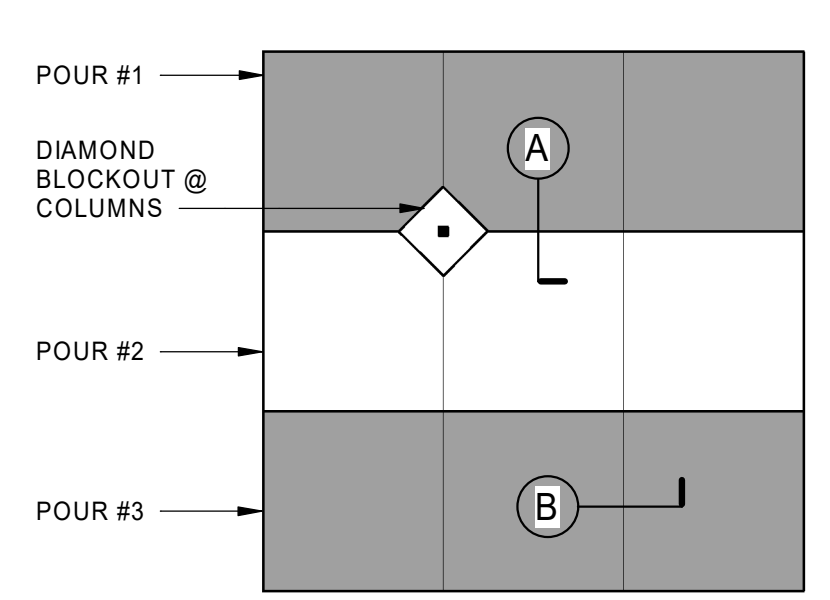


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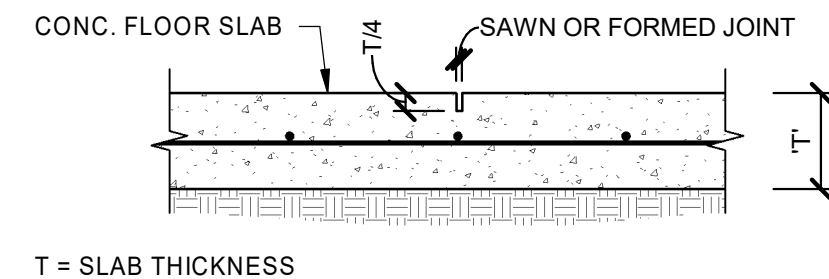
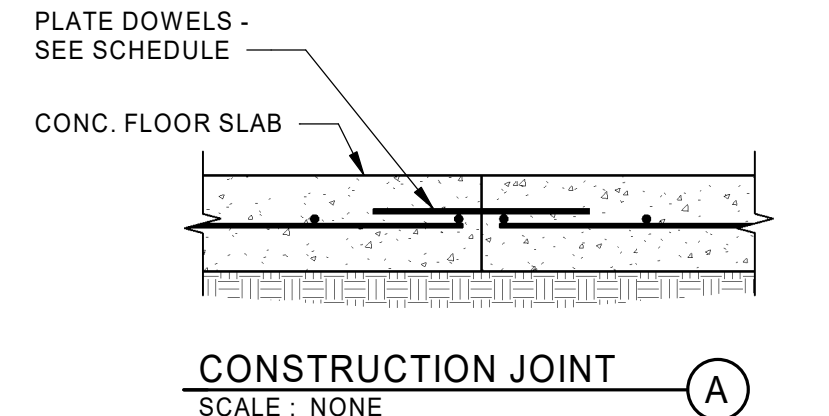
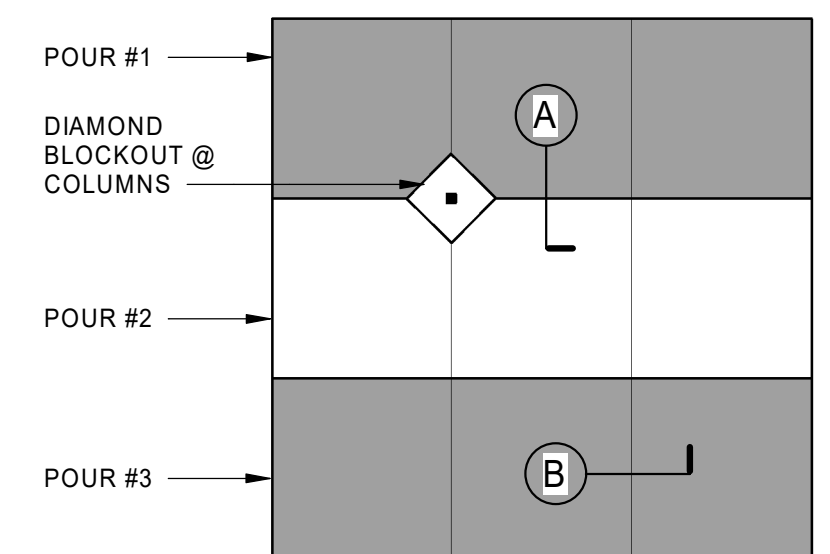
SLAB THICKNESS	SMOOTH DOWELS		DIAMOND DOWELS		COMMENTS
	SIZE	SPACING	SIZE	SPACING	
6" & 8"	1"Ø x 16"	12"	3/8"x4 1/2"x4 1/2"	18"	
10" & 12"	1 1/4"Ø x 18"	12"	3/4"x4 1/2"x4 1/2"	20"	



- NOTES:
- JOINTS SHALL OCCUR AT MAIN COLUMN/GRID LINES W/ 10'-0" MAX. SPACING BETWEEN JOINTS @ 4" SLABS, 12'-0" MAX. @ 5" SLABS, & 15'-0" MAX. @ 6" SLABS.
 - SEE PLAN FOR SLAB THICKNESS 'T' AND REINFORCING SIZE AND SPACING.

CONSTRUCTION JOINT (A)
SCALE: NONE

CONTROL JOINT (B)
SCALE: NONE



- NOTES:
- JOINTS SHALL OCCUR AT MAIN COLUMN/GRID LINES W/ 15'-0" MAX. SPACING BETWEEN JOINTS @ 8" & 10" SLABS, 20'-0" MAX. @ 12" SLABS.
 - SEE PLAN FOR SLAB THICKNESS 'T' AND REINFORCING SIZE AND SPACING.

CONSTRUCTION JOINT (A)
SCALE: NONE

CONTROL JOINT (B)
SCALE: NONE

TYPICAL CONCRETE SLAB JOINTS (OPTION 1)

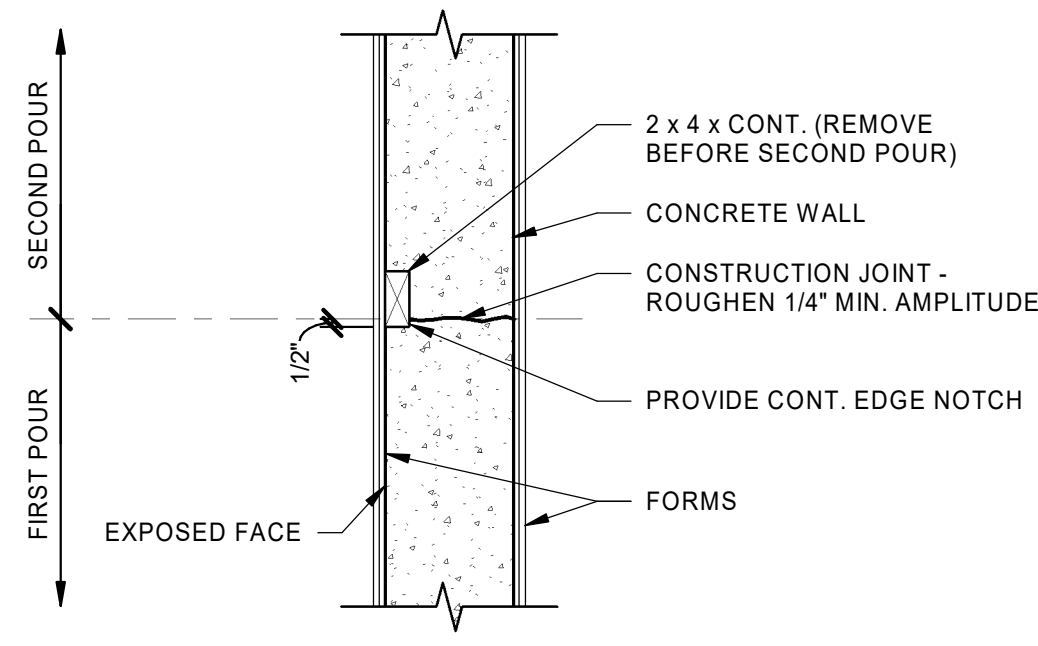
SCALE: NONE

1
S201

TYPICAL CONCRETE SLAB JOINTS (OPTION 2)

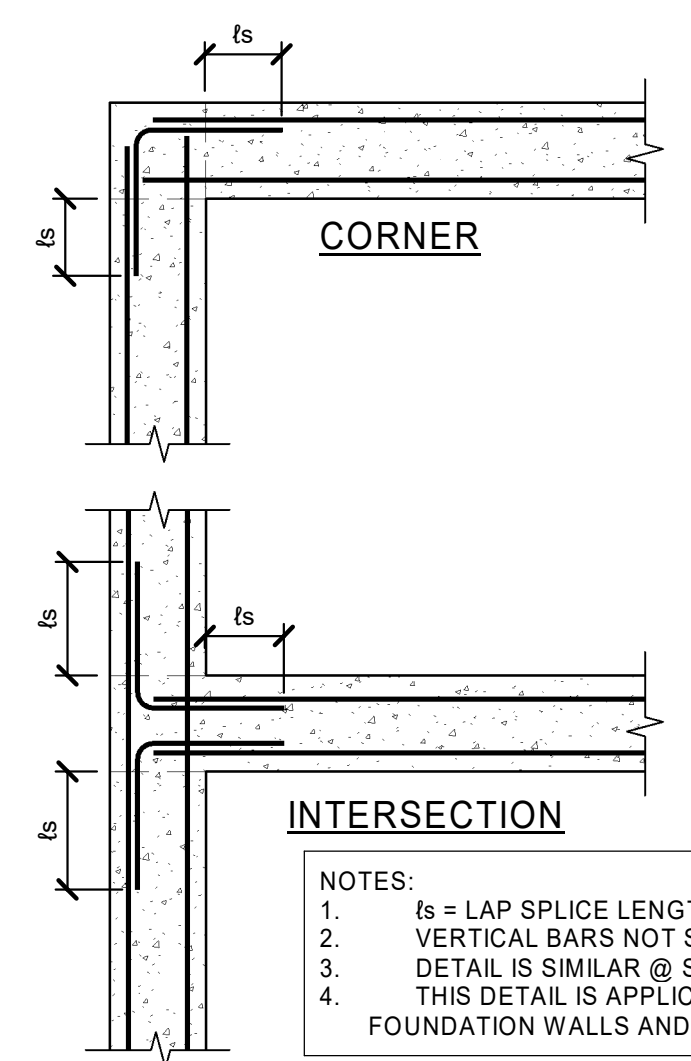
SCALE: NONE

2
S201



- NOTE: PROVIDE 2 x 4 x CONT. ON EACH FACE WHEN BOTH FACES ARE EXPOSED. REMOVE 2x4 AND TIGHTEN FORM TIE BEFORE PLACING SECOND POUR REINFORCING CONT. THRU JOINT. (REBAR NOT SHOWN FOR CLARITY)

3
S201

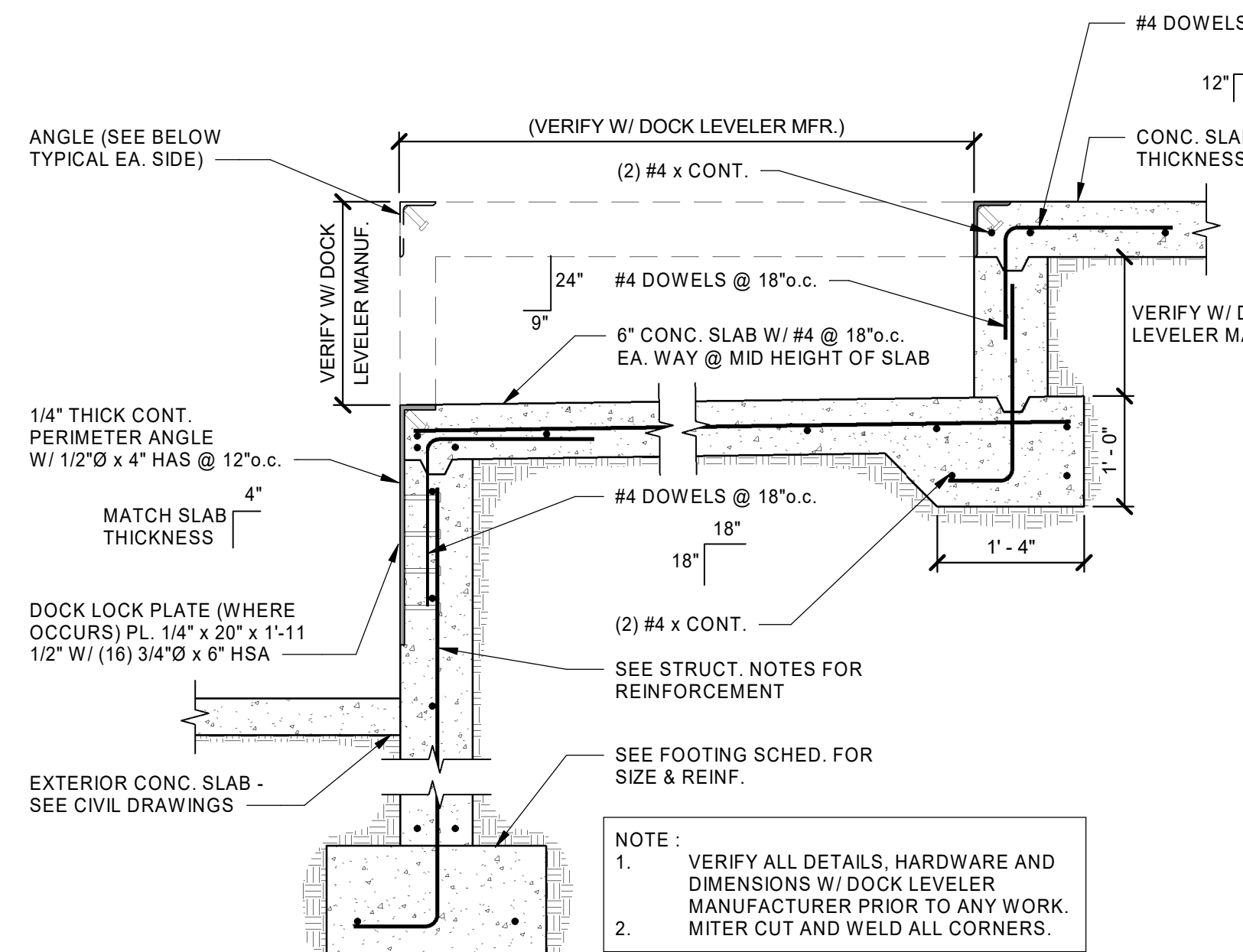


- NOTES:
- fs = LAP SPLICE LENGTH - SEE REBAR LAP SCHEDULE
 - VERTICAL BARS NOT SHOWN
 - DETAIL IS SIMILAR @ SINGLE CURTAIN OF REINF.
 - THIS DETAIL IS APPLICABLE AT ALL FOOTINGS, FOUNDATION WALLS AND MASONRY WALLS

TYPICAL HORIZONTAL REINFORCING DETAIL

SCALE: NONE

4
S201

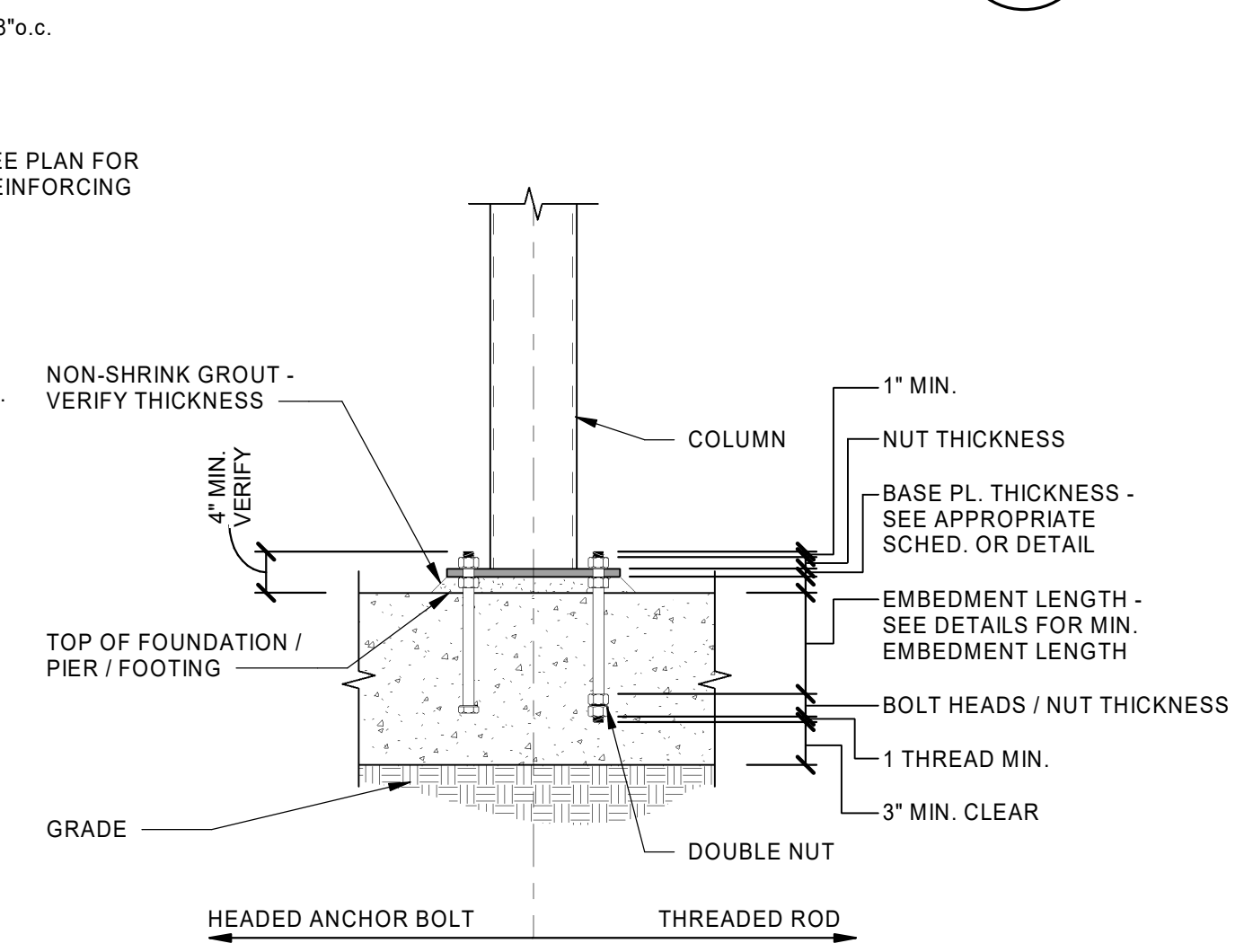


- NOTE:
- VERIFY ALL DETAILS, HARDWARE AND DIMENSIONS W/ DOCK LEVELER MANUFACTURER PRIOR TO ANY WORK. MITER CUT AND WELD ALL CORNERS.

DOCK LEVELER DETAIL

SCALE: NONE

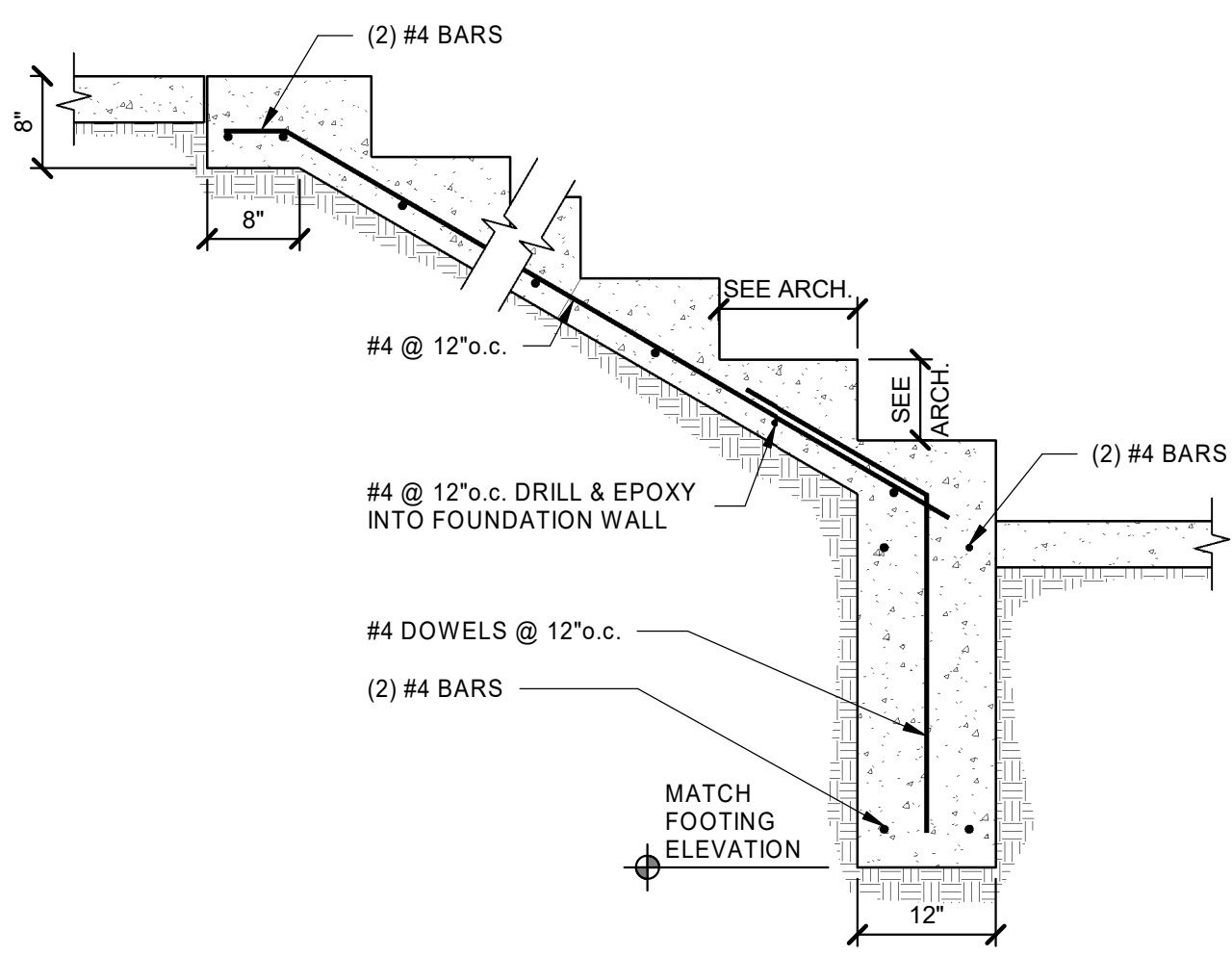
5
S201



TYPICAL ANCHOR BOLT EMBEDMENT DETAIL

SCALE: NONE

6
S201



TYPICAL STEPPED STAIR FOOTING

SCALE: NONE

7
S201

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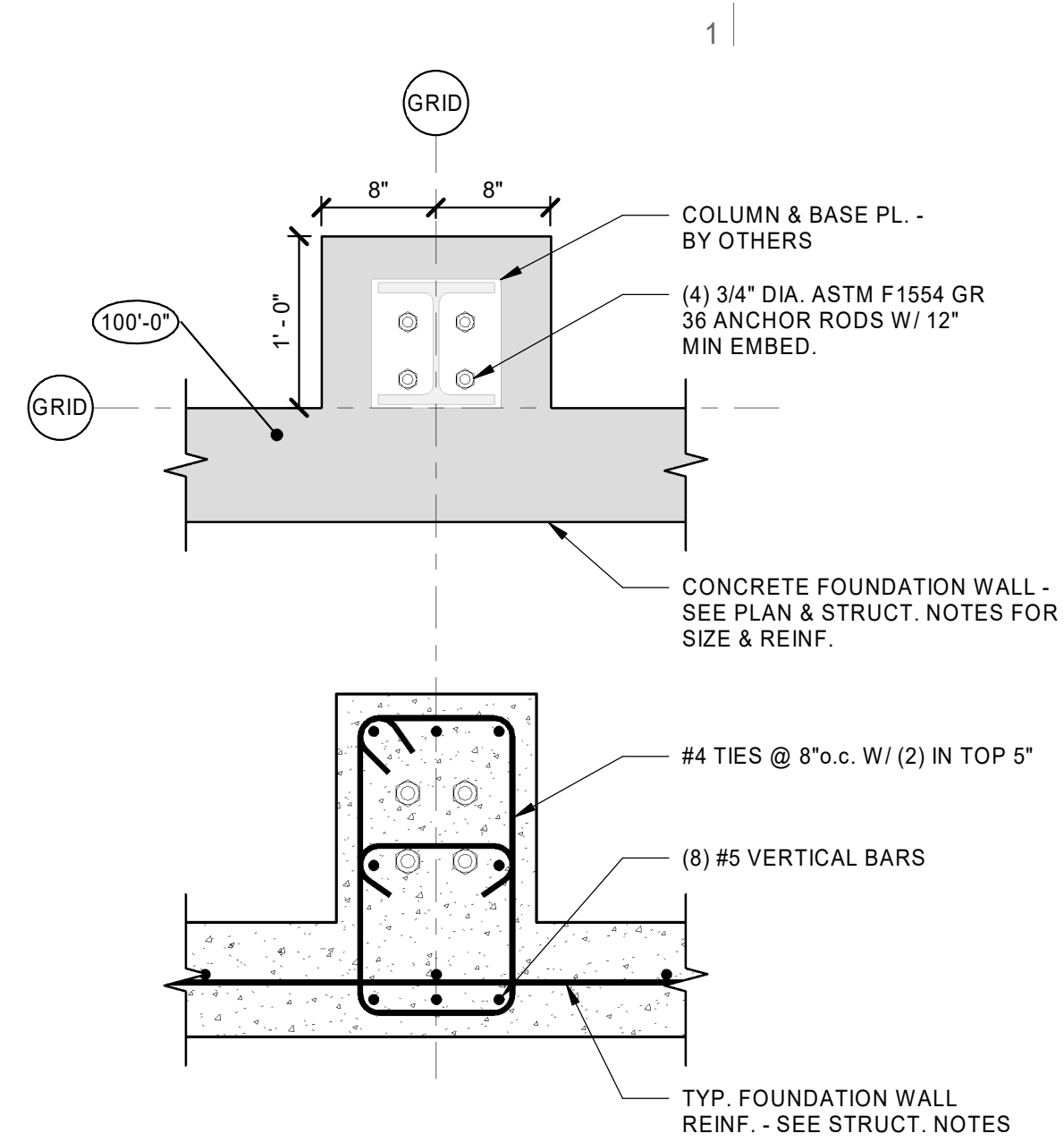
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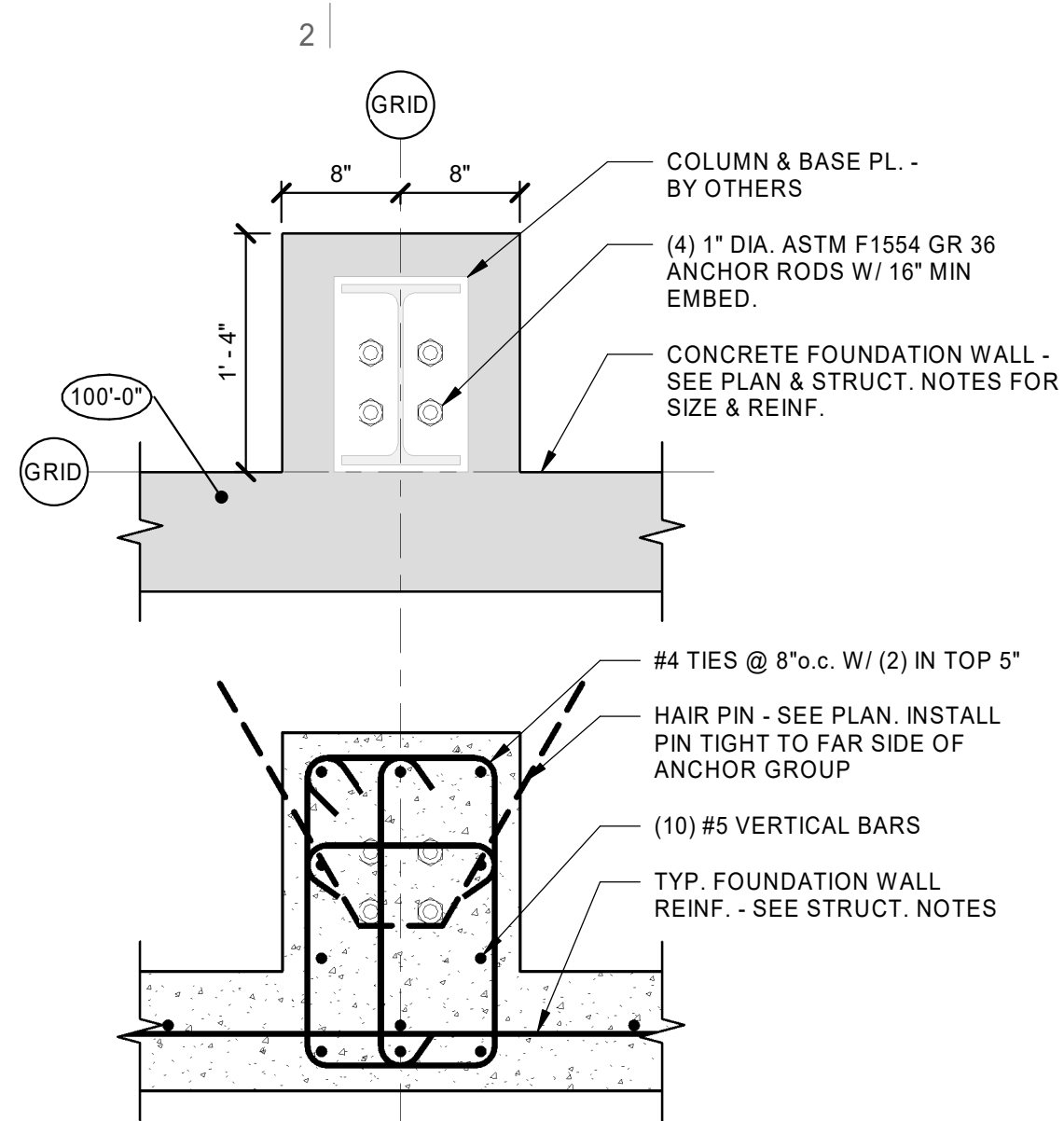
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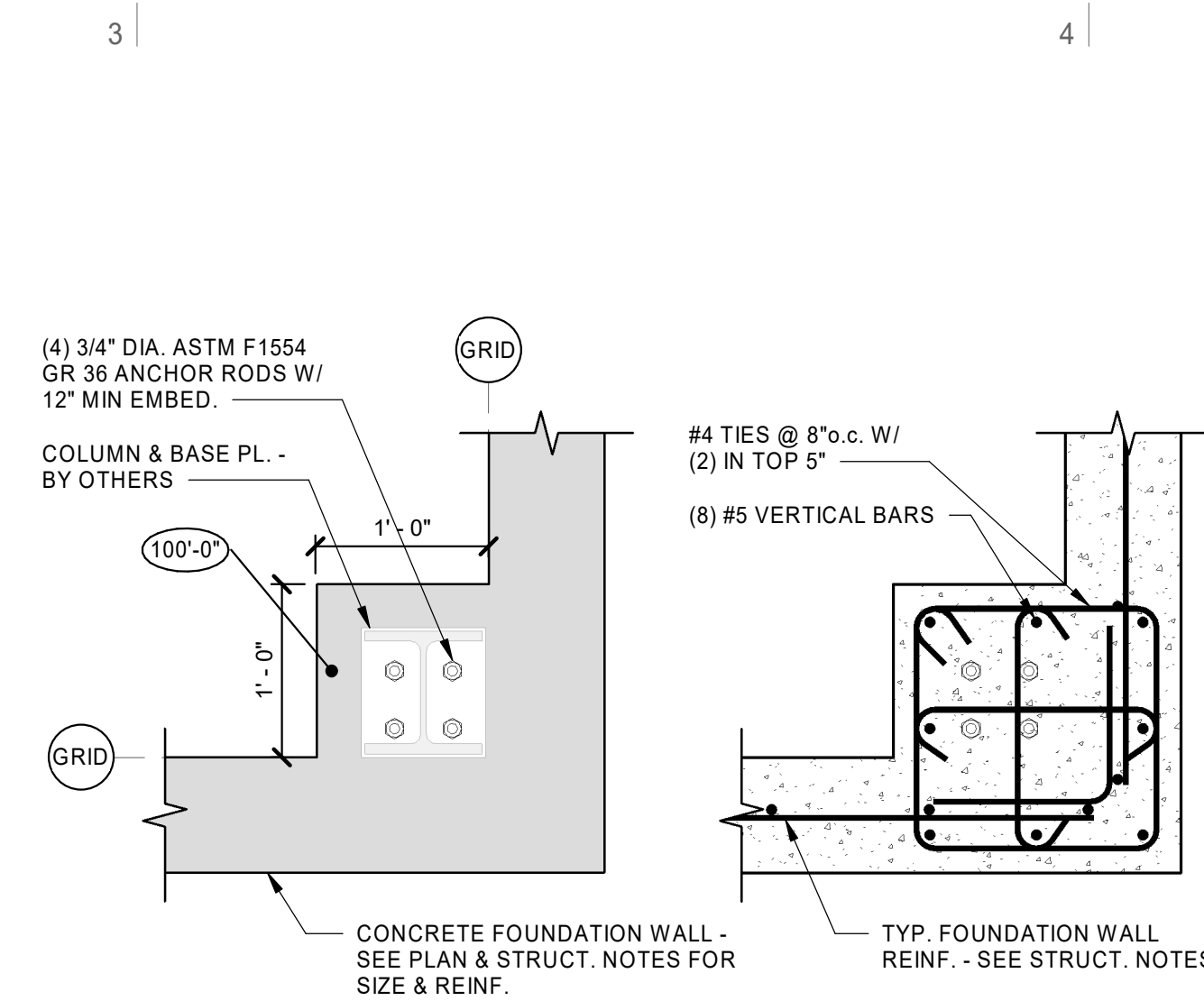
DETAIL
SCALE: NONE

1
S202



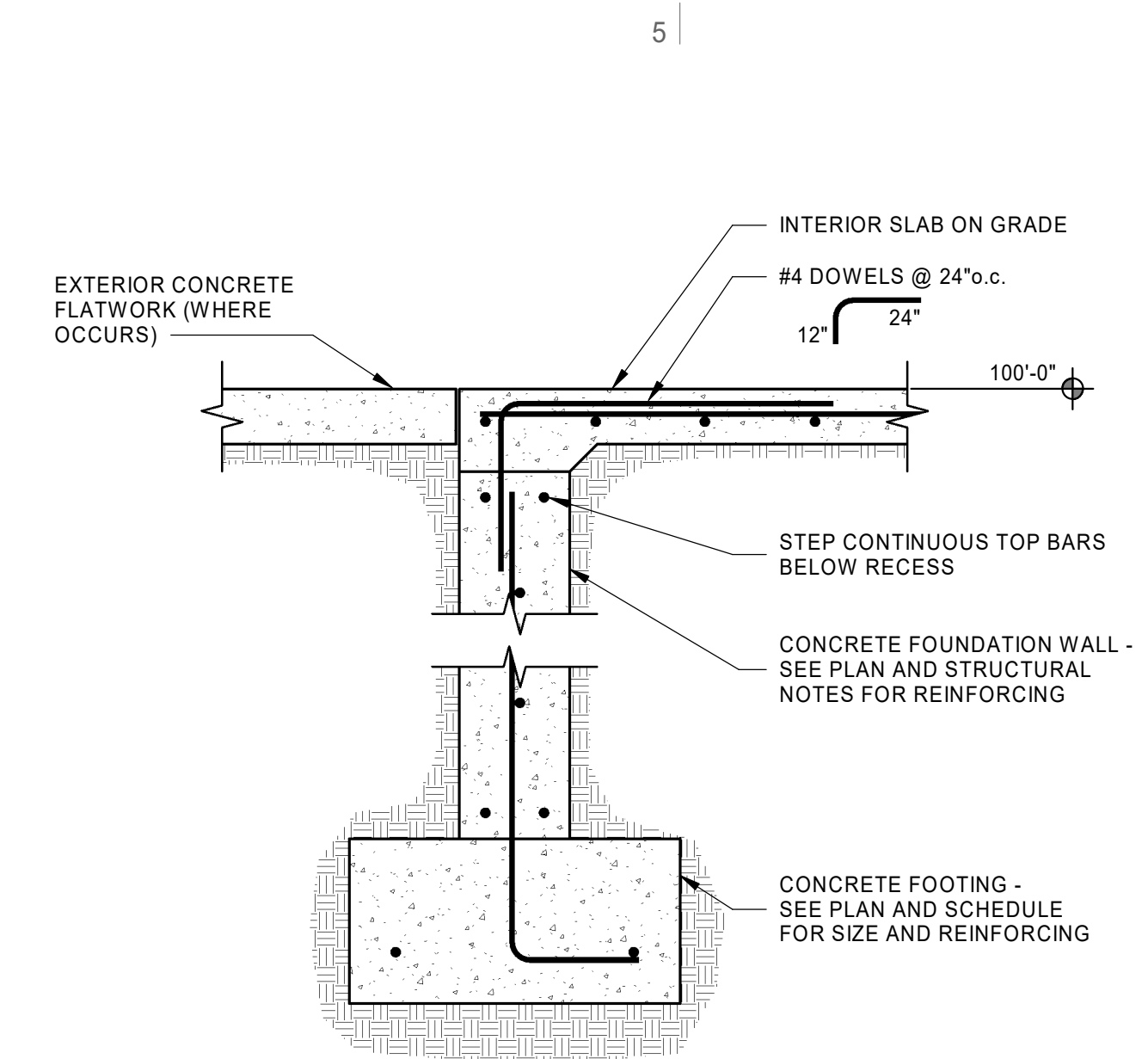
DETAIL
SCALE: NONE

2
S202



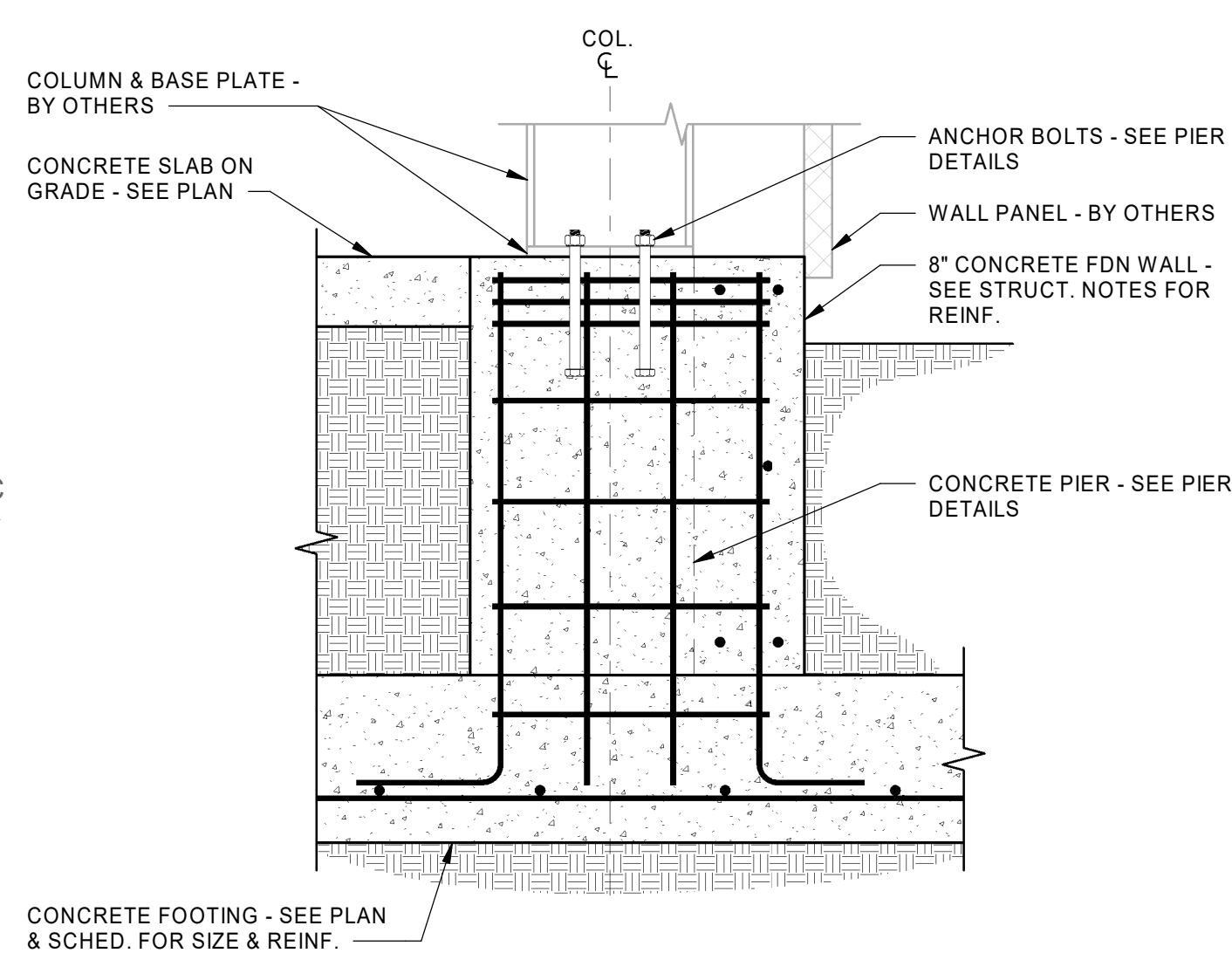
DETAIL
SCALE: NONE

3
S202



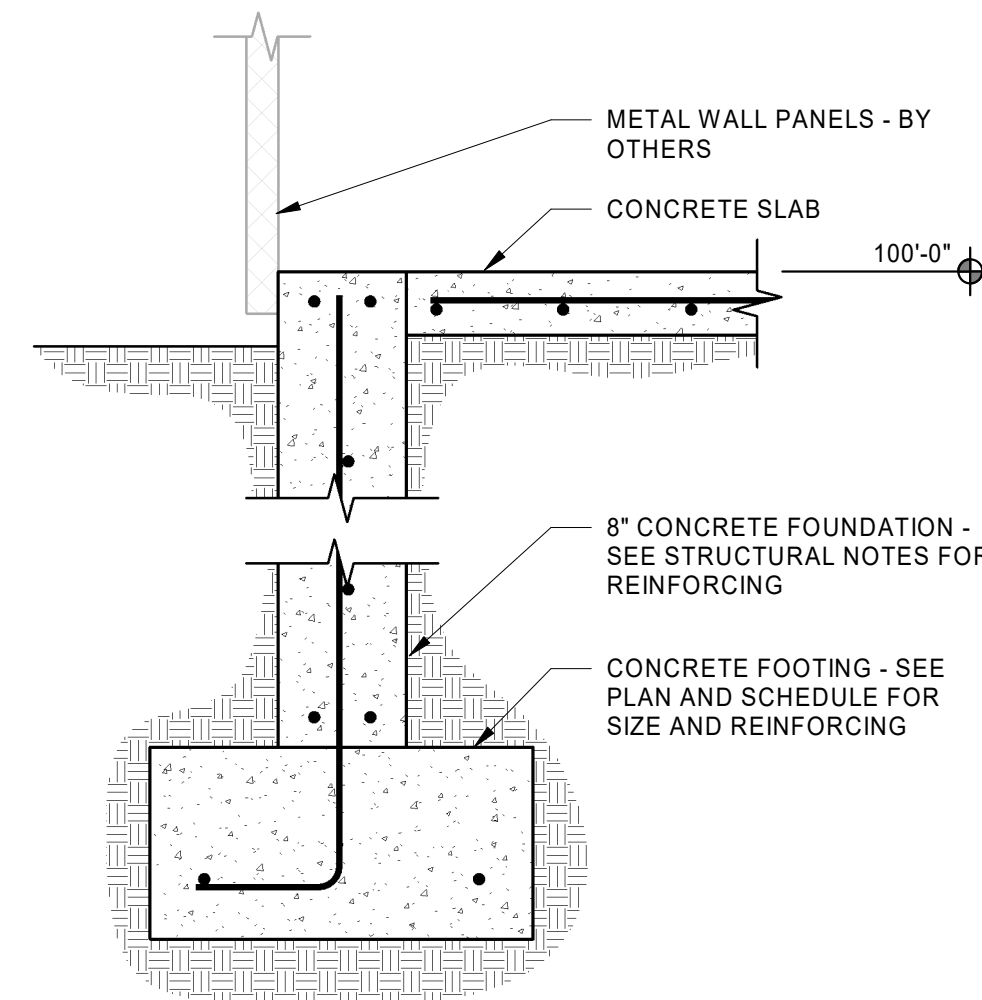
CONCRETE FOUNDATION @ OPENING
SCALE: NONE

4
S202



DETAIL
SCALE: NONE

5
S202



DETAIL
SCALE: NONE

6
S202



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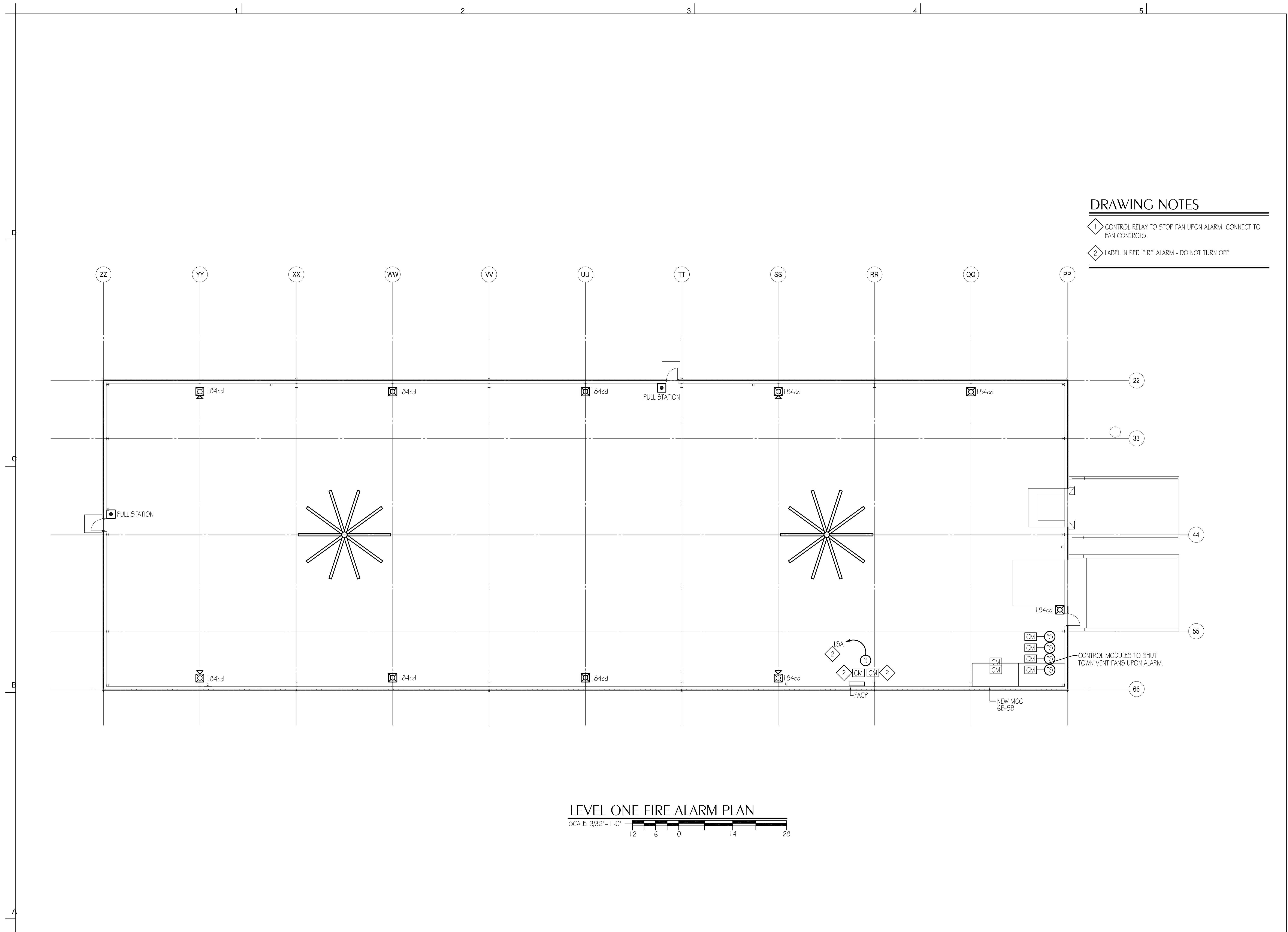
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DETAILS

S202

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DRAWING NOTES

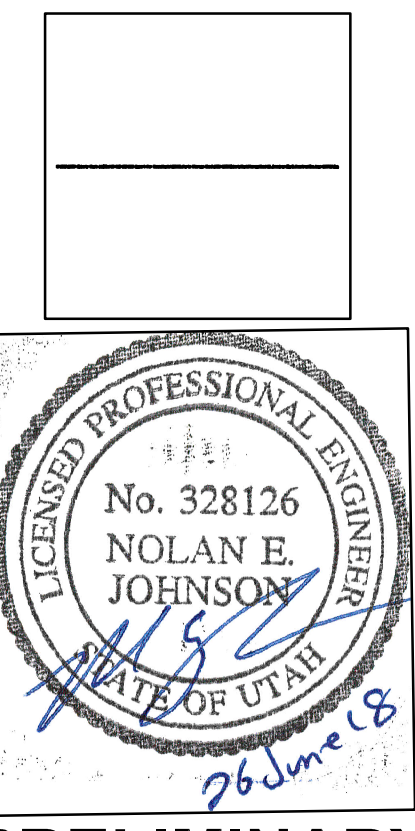
- ◇ CONTROL RELAY TO STOP FAN UPON ALARM. CONNECT TO FAN CONTROLS.
- ② LABEL IN RED 'FIRE' ALARM - DO NOT TURN OFF

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PRELIMINARY

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 DATE: 5/29/2018

LEVEL 01 FIRE ALARM PLAN

FA101

LEVEL ONE FIRE ALARM PLAN
 SCALE: 3/32" = 1'-0"



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MECHANICAL GENERAL NOTES

- DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS AND REFLECTED CEILING PLAN FOR EXACT LOCATION OF DOORS, WINDOWS, CEILING DIFFUSERS, ETC. CLOSELY COORDINATE NEW MECHANICAL WITH ALL NEW AND EXISTING MECHANICAL, ELECTRICAL, ARCHITECTURAL AND STRUCTURAL MEMBERS. DUCTWORK AND PIPE ROUTING IS APPROXIMATE. DIAGRAMMATIC AND IS NOT TO BE SCALED. PROVIDE ALTERNATE ROUTING, OFFSETS AND TRANSITIONS AS REQUIRED FOR COORDINATION OF ALL WORK WITHOUT ADDITIONAL COST TO THE OWNER.
- FIELD VERIFY ALL MECHANICAL AND PLUMBING ITEMS PRIOR TO COMMENCING NEW WORK. NO ADDITIONAL PAYMENT WILL BE ALLOWED FOR CONTRACTOR'S FAILURE TO BECOME FAMILIAR WITH EXISTING CONDITIONS.
- ALL MECHANICAL WORK SHALL BE COORDINATED WITH THE WORK PERFORMED UNDER OTHER DIVISIONS TO AVOID INTERFERENCE.
- DO NOT SHUT-OFF/PUT OUT SERVICE ANY SYSTEMS/SERVICES WITHOUT FIRST COORDINATING ALL DOWNTIME WITH THE OWNERS PERSONNEL.
- INSTALL ALL EQUIPMENT PER MANUFACTURERS RECOMMENDATIONS AND INSTRUCTIONS.
- DUCT DIMENSIONS SHOWN ARE INSIDE CLEAR DIMENSIONS.
- INSTRUMENT TEST HOLES SHALL BE LOCATED IN ALL NEW SUPPLY, EXHAUST AND RETURN DUCTS.
- CONSTRUCT ALL OTHER DUCTWORK ACCORDING TO SMACNA STANDARDS FOR LOW PRESSURE DUCT CONSTRUCTION - 2 INWG PRESSURE CLASS, SEAL CLASS "A". FIBERGLASS DUCTWORK IS UNACCEPTABLE.
- LINE ALL LOW PRESSURE RECTANGULAR DUCT WITH 1" - 1.5 LBS/CU.FT. DUCT LINER PIN LINER ON 12" CENTERS. TRIM AND SEAL JOINTS.
- ALL EQUIPMENT, DUCTWORK AND PIPING SHALL BE SEISMICALLY RESTRAINED IN ACCORDANCE WITH THE LOCAL CODE. ALL DETAILS AND DRAWINGS REQUIRED BY LOCAL AUTHORITY WILL BE PRODUCED BY LICENSED SEISMIC ENGINEER HIRED BY CONTRACTOR.
- COORDINATE ALL FIRE SPRINKLER, DIFFUSER AND GRILLE LOCATIONS WITH REFLECTED CEILING PLAN AND ELECTRICAL DRAWINGS.
- ALL VALVES AND PIPING SPECIALTIES SHALL BE LINE SIZED UNLESS NOTED OTHERWISE. USE ECCENTRIC REDUCERS ON CONTROL VALVES WHERE REQUIRED.
- ALL PIPING, DUCTS, VENTS, ETC. EXTENDING THROUGH THE WALL AND/OR ROOF SHALL BE FLASHED AND COUNTERFLASHED IN A WATERPROOF MANNER.
- ALL PIPING INSULATION SHALL RUN CONTINUOUSLY THROUGH FLOOR, WALLS, AND PARTITIONS.
- ALL PIPING SHALL BE SUPPORTED ADJACENT TO EQUIPMENT, TO PREVENT WEIGHT OF PIPING BEING PLACED ON EQUIPMENT.
- GENERAL CONTRACTOR SHALL FURNISH AND INSTALL ALL SUPPORTING ANGLES AND EXTRA SUPPORT BEAMS FOR A.C. UNITS, EXHAUST FANS, ETC.
- HVAC CONTRACTOR SHALL CHANGE OUT THE EQUIPMENT FILTERS AT THE TIME OF POSSESSION OF THE PROJECT BY THE TENANT, USING ONLY NEW FILTERS OF THE PROPER SIZE AND TYPE.
- THE HVAC CONTRACTOR SHALL LEAVE HIS WORK IN PERFECT WORKING CONDITION AND SHALL GUARANTEE SAME FOR A PERIOD OF TWELVE (12) MONTHS FROM DATE OF FINAL ACCEPTANCE.
- PROVIDE IDENTIFICATION LABELS ON ALL EQUIPMENT, PIPING, VALVES, CONTROLS, ETC. TO MATCH EXISTING BUILDING LABELING STANDARD AND INCLUDING TENANT NAME AND SPACE NUMBER.
- DUCT INTERIORS VISIBLE THROUGH REGISTERS, GRILLES, AND DIFFUSERS SHALL BE FLAT BLACK.
- PROVIDE ASBUILT DRAWINGS AND SUBMIT TO ENGINEER.
- PROVIDE SUBMITTALS ON ITEMS LISTED IN MECHANICAL AND PLUMBING EQUIPMENT SCHEDULES TO THE ENGINEER FOR REVIEW PRIOR TO ORDER, PURCHASE OR INSTALLATION.
- CONTRACTOR SHALL REPAIR, REPLACE AND REPAINT TO MATCH EXISTING SURFACES DISTURBED BY THE CONTRACTOR DURING INSTALLATION OF ANY MATERIALS OR EQUIPMENT. THIS INCLUDES CUTTING OF ANY CEILINGS, WALLS OR FLOORS FOR THE INSTALLATION OF ANY PLUMBING OR MECHANICAL MATERIALS OR EQUIPMENT.
- HVAC CONTRACTOR SHALL REMOVE FROM THE JOBSITE ANY MATERIALS NOT ECONOMICALLY RECOVERABLE. ANY MATERIALS REMOVED FROM THE JOBSITE AND SOLD FOR SALVAGE SHALL BE CREDITED TO THE OWNERS ACCOUNT.
- INSTALL ALL MECHANICAL SYSTEMS IN ACCORDANCE WITH THE 2015 INTERNATIONAL BUILDING CODE, 2015 INTERNATIONAL MECHANICAL CODE, 2015 INTERNATIONAL FIRE CODE AND 2015 INTERNATIONAL PLUMBING CODE.
- PROVIDE OPERATION AND MAINTENANCE MANUALS AND SUBMIT TO ENGINEER.

FIRE PROTECTION GENERAL NOTES

- NEW SPRINKLER HEADS TO MATCH CEILING TYPE. COORDINATE ARCHITECTURAL SHEETS.
- FURNISH AND INSTALL NEW PIPE, FITTINGS AND SPRINKLER HEADS AS REQUIRED TO COMPLETE THE WORK.
- ALL PIPING SHALL BE DOMESTIC.
- FITTINGS SHALL BE THREADED, WELDED AND GROOVED IN ACCORDANCE WITH LISTING AND NFPA #13 REQUIREMENTS.
- PLAIN END OR MECHANICAL TEES SHALL NOT BE USED, UNLESS REQUIRED FOR FIELD MODIFICATION OF PIPING SYSTEM.
- THE SPRINKLER CONTRACTOR SHALL COORDINATE WITH OTHER TRADES AND PROVIDE ADDITIONAL OFFSETS AS REQUIRED FOR INSTALLATION. SPRINKLER PIPING SHALL BE REROUTED AS REQUIRED WHERE CONFLICTS OCCUR. SPRINKLER CONTRACTOR'S PRICING SHALL INCLUDE ANY PIPING OFFSETS, OR REVISED CUT LENGTHS.
- SHOP DRAWINGS SHALL BE PROVIDED BY THE SPRINKLER CONTRACTOR USING AN REVIT COMPATIBLE FORMAT. SUBMIT TO OWNERS INSURANCE REVIEW CONSULTANT AND ARCHITECT AND ENGINEER. AS-BUILT DRAWINGS AND ELECTRONIC DRAWING FILES SHALL BE PROVIDED AT END OF PROJECT BY CONTRACTOR.
- FIRE SPRINKLER SHOP DRAWINGS, CALCULATIONS AND MATERIALS SHALL BE SUBMITTED AND REVIEWED BY ENGINEER PRIOR TO SUBMITTING TO OTHER AUTHORITIES HAVING JURISDICTION.
- PRESSURE TEST AND CERTIFY SPRINKLER SYSTEM.
- PIPE ROUTING, ELEVATIONS, SPRINKLER LOCATIONS, ARE SCHEMATIC, SHALL BE USED AS REFERENCE ONLY. INSTALLER SHALL FIELD VERIFY CONDITIONS, AND PROVIDE OFFSETS AS REQUIRED FOR INSTALLATION. DEVIATION FROM SCHEMATIC PLAN SHALL BE APPROVED IN WRITING BY THE ENGINEER, PRIOR TO INSTALLATION.
- NEW FIRE PROTECTION WORK TO INCLUDE HEADS AND PIPING SYSTEM AS REQUIRED TO MEET NFPA REQUIREMENTS.
- NEW PIPING TO BE SCHEDULE 40 STEEL PIPE LISTED FOR FIRE PROTECTION.
- SEE ARCHITECTURAL PLANS FOR CEILING HEIGHTS.
- SUBMIT FIRE PROTECTION DRAWINGS TO LANDLORDS/OWNERS INSURANCE REVIEW CONSULTANT.
- COORDINATE PIPE ROUTING WITH OTHER TRADES.
- TIGHT CEILING SPACE WILL REQUIRE SOME SPRINKLER LINES TO OFFSET OVER OR UNDER DUCTWORK, PIPE, OR OTHER OBSTACLES. PROVIDE DRAINS AS REQUIRED.

MECHANICAL LEGEND

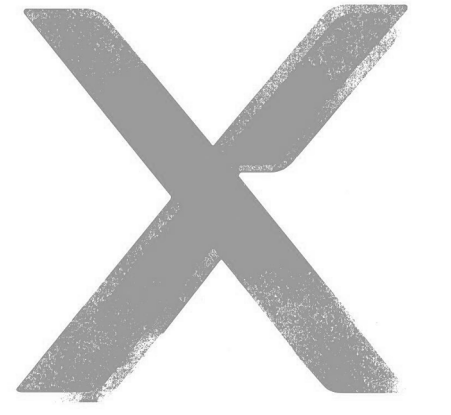
BURIED OR UNDERFLOOR DUCT		CHILLED WATER SUPPLY	—X' CHS—	ARGON	—X' AR—
DUCT SIZE (IN/FIRST FIGURE IS SIDE SHOWN)		CONDENSER WATER RETURN	—X' CR—	CARBON DIOXIDE	—X' CO2—
FLEXIBLE DUCT (HELICAL)		CONDENSER WATER SUPPLY	—X' CS—	DEIONIZED WATER RETURN	—X' DI—
FLEXIBLE DUCT CONNECTION		HEATING WATER RETURN	—X' HW—	DEIONIZED WATER SUPPLY	—X' DIR—
SPIN-IN W/ MVD		HEATING WATER SUPPLY	—X' HWS—	FUEL OIL RETURN	—X' FOR—
AIR FLOW STATION		RADIANT FLOOR RETURN	—X' RFR—	FUEL OIL SUPPLY	—X' FOS—
COMBINATION FIRE/SMOKE DAMPER		RADIANT FLOOR SUPPLY	—X' RFS—	HELIUM	—X' HE—
FIRE DAMPER SMOKE DAMPER		REFRIGERANT LIQUID	—X' RL—	HYDROGEN	—X' H—
GRAVITY BACKDRAFT DAMPER		REFRIGERANT SUCTION	—X' RS—	INDUSTRIAL WATER (NON-POTABLE)	—X' IW—
MANUAL VOLUME DAMPER		SNOWMELT RETURN	—X' SMR—	MEDICAL AIR	—X' MA—
MOTORIZED DAMPER		SNOWMELT SUPPLY	—X' SMS—	NITROGEN	—X' N—
SMOKE DAMPER		STEAM	—X' S—	NITROGEN OXIDE	—X' N2O—
THERMOSTAT OR TEMP SENSOR W/ EQUIPMENT TAG		STEAM CONDENSATE RETURN	—X' SCR—	OXYGEN	—X' O2—
RADIAL SUPPLY DIFFUSERS		GROUND LOOP RETURN	—X' GLR—	PROPANE	—X' P—
RETURN GRILLE		GROUND LOOP SUPPLY	—X' GLS—	REVERSE OSMOSIS	—X' RO—
SUPPLY DIFFUSER		HOT GAS	—X' HG—	VACUUM	—X' VAC—
SUPPLY SLOT DIFFUSER		HOT GAS BYPASS	—X' HGBP—	WATER TREATMENT	—X' WT—
DUCT TRANSITION		AQUASTAT		ACCESS PANEL	
ELBOW W/ TURNING VANES		FLOW SWITCH		CARBON DIOXIDE SENSOR	
TEE W/ 45° ENTRY		IN-LINE PUMP		CARBON MONOXIDE SENSOR	
WYE W/ 45° ENTRY		PRESSURE GAUGE W/ GAUGE COCK		HUMIDISTAT OR HUMIDITY SENSOR	
EXHAUST AIR DUCT DOWN		STRAINER		NITROGEN DIOXIDE SENSOR	
EXHAUST AIR DUCT SECTION		TEMPERATURE & PRESSURE TEST PLUG		POINT OF CONNECTION TO EXISTING	
EXHAUST AIR DUCT UP		TEMPERATURE SENSING WELL		POINT OF REMOVAL FROM EXISTING	
RETURN AIR DUCT DOWN		THERMOMETER		AIR VENT (AUTOMATIC)	
RETURN AIR DUCT SECTION		VENTURI FLOW METER		AUTOMATIC CONTROL VALVE (2-WAY)	
RETURN AIR DUCT UP		DIRECTION OF FLOW		AUTOMATIC CONTROL VALVE (3-WAY)	
SUPPLY AIR DUCT DOWN		ELBOW DOWN		BALL VALVE	
SUPPLY AIR DUCT SECTION		ELBOW UP		BUTTERFLY VALVE	
SUPPLY AIR DUCT UP		PIPE CAP		CALIBRATED BALANCE VALVE	
FIRE DEPT. HORN & LIGHT		REDUCER		CHECK (SWING OR LIFT AS REQ'D) VALVE	
FIRE HOSE CABINET		TEE DOWN		CURB COCK	
POST TYPE FDC CONNECTION		UNION		GAS COCK	
WALL TYPE FDC CONNECTION		CONDENSATE DRAIN	—X' D—	GATE OS & Y PATTERN VALVE	
YARD HYDRANT		DOMESTIC COLD WATER	—X' DCW—	GATE VALVE	
FLOOR DRAIN		DOMESTIC HOT WATER	—X' DHW—	MOTORIZED ACTUATOR	
FLOOR OR GRADE CLEANOUT		DOMESTIC HOT WATER RECIRC.	—X' DHWR—	P&T RELIEF VALVE	
FLOOR SINK		FIRE SERVICE	—X' F—	PET COCK OR GAUGE COCK	
GRADE CLEANOUT W/ CONCRETE PAD		GREASE WASTE ABOVE GRADE	—X' GW—	PLUG VALVE	
HOSE BIBB OR SILLCOCK		GREASE WASTE BELOW GRADE	---X' GW---	PRESSURE REDUCING VALVE	
MANHOLE		NATURAL GAS	—X' G—	SOLENOID VALVE	
REDUCED PRESSURE BACKFLOW PREVENTOR		OVERFLOW DRAIN	—X' OD—	THERMAL EXPANSION VALVE	
VENT THROUGH THE ROOF		ROOF DRAIN	—X' RD—	DETAIL TAG	
WALL CLEANOUT		SANITARY (PLBG) VENT	-----X' V-----	KEYED NOTE	
EXPANSION JOINT		SANITARY WASTE ABOVE GRADE	—X' W—	SECTION CUT LINE	
FLEXIBLE PIPE CONNECTION		SANITARY WASTE BELOW GRADE	---X' W---		
HEAT TRACING		COMPRESSED AIR	—X' CA—		
CHILLED WATER RETURN	—X' CHR—	TEMPERED WATER	—X' T—		

DRAWING INDEX

#	SHEET NAME
M001	MECHANICAL LEGEND, SYMBOLS & ABBREVIATIONS
MH101	MECHPLUMB LEVEL 1 OVERALL PLAN
MH101A	MECHPLUMB LEVEL 1 FLOOR PLAN AREA A
MH101B	MECHPLUMB LEVEL 1 FLOOR PLAN AREA B
MH102	MECHANICAL OVERALL ROOF PLAN
MH201	MECHANICAL SCHEDULES

ABBREVIATIONS

Key Name	Comments
AD	ACCESS DOOR
AF	ARCH
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
BI	BACKWARD INCLINE
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BTUH	BRITISH THERMAL UNITS PER HOUR
CAP	CAPACITY
CBV	CALIBRATED BALANCE VALVE
CFM	CUBIC FEET PER MINUTE
CV	CONSTANT VOLUME
CV	CONTROL VALVE
DB	DRY BULB
DCW	DOMESTIC COLD WATER
DF	DRINKING FOUNTAIN
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RECIRC
DIA	DIAMETER
DN	DOWN
DSN	DOWN SPOUT NOZZLE
DW	DISHWASHER
E	EXISTING
EA	EACH OR EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EFF	EFFICIENCY
ELEV	ELEVATION
ENCL	ENCLOSURE
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
EWC	ELECTRIC WATER COOLER
EWI	ENTERING WATER TEMPERATURE
FCO	FLOOR CLEAN OUT
FD	FLOOR DRAIN
FO	FLAT OVAL
FS	FLOOR SINK
FPM	FEET PER MINUTE
FT	FEET
FV	FACE VELOCITY
GA	GAUGE
GAL	GALLON
GD	GARAGE DRAIN
GEA	GREASE EXHAUST AIR
GPM	GALLONS PER MINUTE
HP	HORSE POWER
HR	HOUR
HT	HEIGHT
IN	INCH
INWC	INCHES OF WATER COLUMN
INWG	INCHES OF WATER GAUGE
L	LAVATORY OR LOUVER
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MIBH	THOUSAND BRITISH THERMAL UNITS
MECH	MECHANICAL
MIN	MINIMUM
MPSA	MEDIUM PRESSURE SUPPLY AIR
MUA	MAKE-UP AIR
MVD	MANUAL VOLUME DAMPER
NC	NOISE CRITERIA OR NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OBD	OPPOSED BLADE DAMPER
OD	OVERFLOW DRAIN
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
PD	PRESSURE DROP
PG	PROPYLENE GLYCOL
POC	POINT OF CONNECTION
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
RA	RETURN AIR
RAD	RADIUS
RD	ROOF DRAIN
RLF	RELIEF AIR
RPBP	REDUCED PRESSURE BACKFLOW PREVENTOR
SA	SUPPLY AIR OR SHOCK ARRESTOR
SEN	SENSIBLE
SF	SQUARE FEET
SIM	SIMILAR
SL	SEA LEVEL
SP	STATIC PRESSURE
SS	SERVICE SINK OR STAINLESS STEEL
TOO	TOP OF DUCT
TSP	TOTAL STATIC PRESSURE
TYP.	TYPICAL
U	URINAL
V	VENT
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER
VFD	VARIABLE FREQUENCY DRIVE
VOL	VOLUME
VTR	VENT THROUGH THE ROOF
W	WASTE
WITH	WITH
WO	WITHOUT
WB	WET BULB
WC	WATER CLOSET
WCO	WALL CLEANOUT
WHA	WATER HAMMER ARRESTOR
WPD	WATER PRESSURE DROP
WT	WEIGHT
Ø	ROUND OR DIAMETER



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 OGDEN UT 84404



Date Revision

PRELIMINARY

NEXUS PROJECT #: 18059
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DRAWN BY: ABG
DATE: 6/20/2018

MECHANICAL LEGEND, SYMBOLS & ABBREVIATIONS

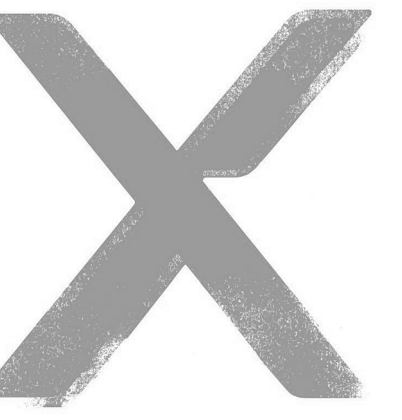
M001

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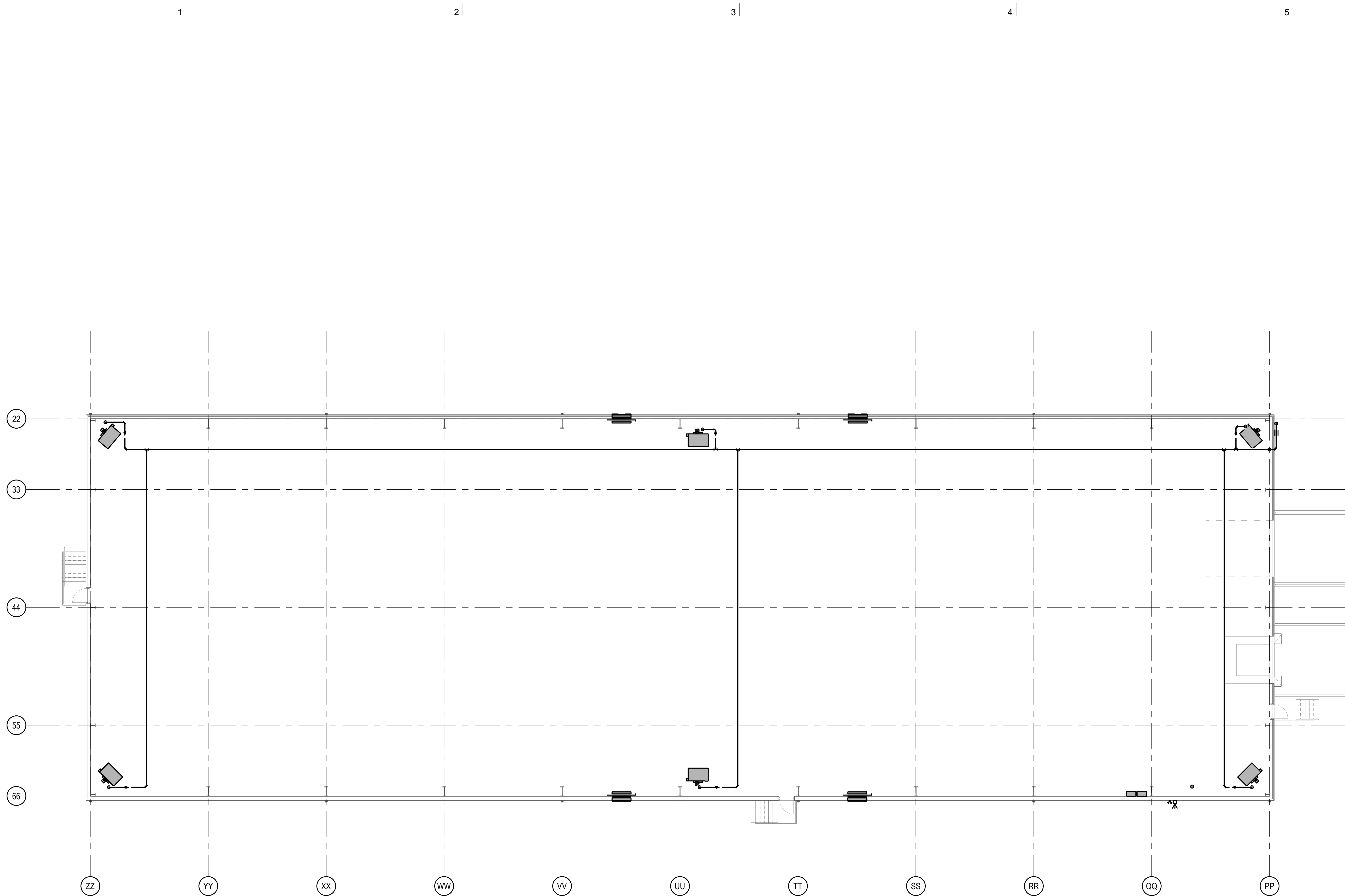
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**MECH/PLUMB
LEVEL 1
OVERALL
PLAN**

MH101



1 LEVEL 1 MECHANICAL OVERALL PLAN
SCALE: 3/32" = 1'-0"
8' 0" 5.33' 10.67' 21.33'

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A

- KEYED NOTES**
1. TERMINATE UNIT HEATER COMBUSTION AIR AND EXHAUST VENT WITH CONCENTRIC VENT KIT PER MANUFACTURERS INSTALLATION GUIDE.
 2. PROVIDE Z FILTER BRACKETS AND FILTER DOWNSTREAM OF MOTORIZED DAMPER. MOUNT BOTTOM OF LOUVER 24" AFF.
 3. MOUNT EXHAUST FAN HIGH ON SIDEWALL IN GABLE. COORDINATE ELEVATION WITH ARCHITECTURAL AND STRUCTURAL PLANS.



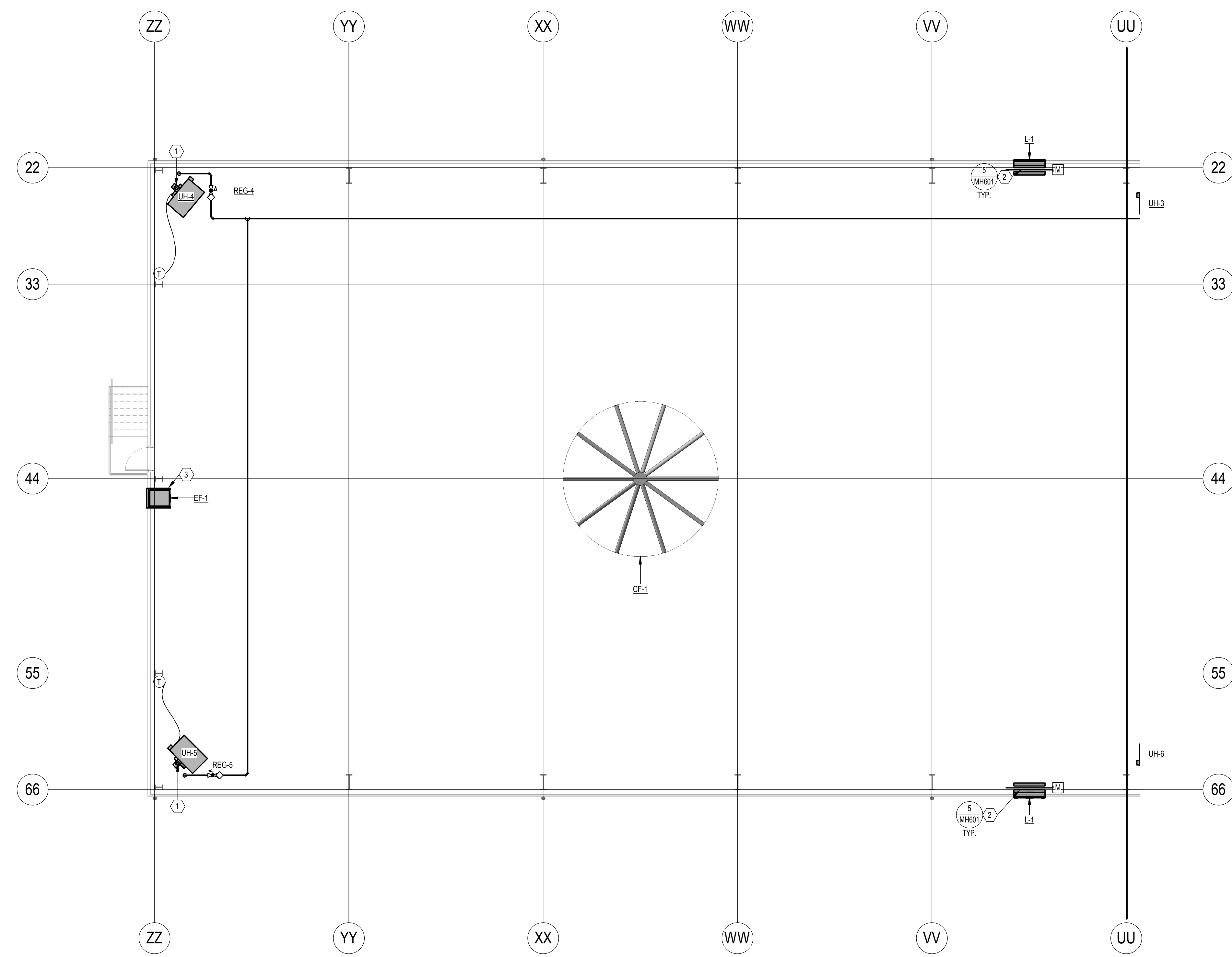
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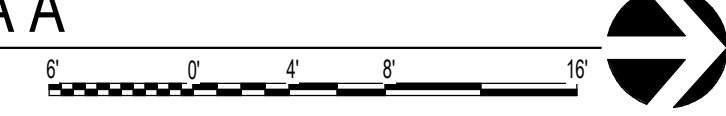
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GENERAL NOTES

- A. RUNOUTS TO DIFFUSERS ARE TO BE NECK SIZE UNLESS OTHERWISE NOTED ON DRAWINGS.
- B. PROVIDE A RETURN SOUND BOOT AT EACH CEILING RETURN GRILLE THAT IS NOT DUCTED, IN ACCORDANCE WITH DETAIL _ ON SHEET MH_.
- C. INSTALL VAV BOXES IN ACCORDANCE WITH DETAIL _ ON SHEET MH_.
- D. COORDINATE DUCT ROUTING WITH PLUMBING AND MECHANICAL PIPING. PROVIDE OFFSETS AS REQUIRED.
- E. AIR TRANSFERS DUCTS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH DETAIL _ ON MHS_ FOR TRANSFERS A-G, DETAIL _ ON SHEET MHS_ FOR TRANSFER H-J, DETAIL _ ON SHEET MHS_ FOR TRANSFERS K-L AND DETAIL _ ON SHEET MHS_ FOR TRANSFERS M-S.



1 MECH. & PLUMB. LEVEL 1 - SS AREA A
SCALE: 1/8" = 1'-0"



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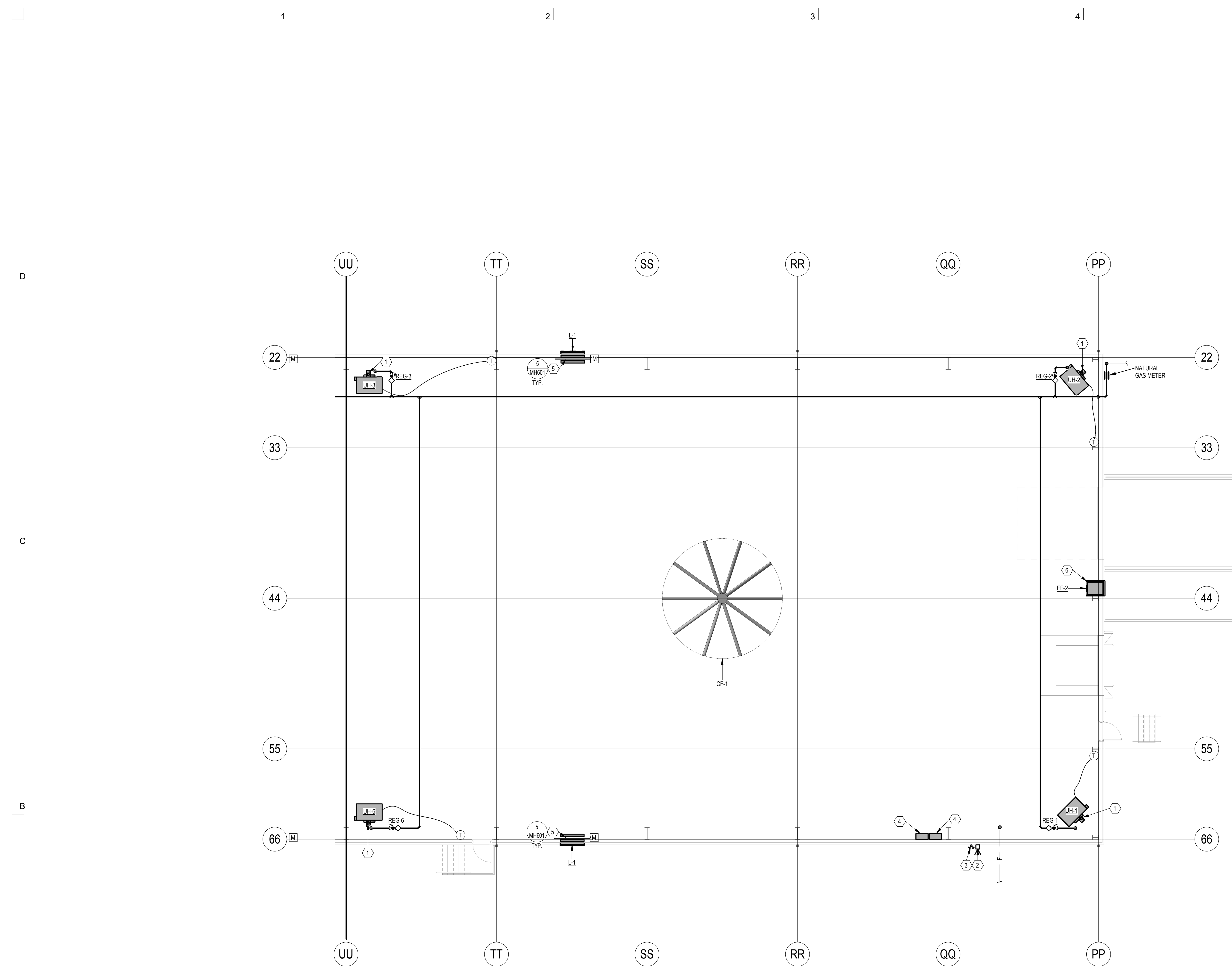
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**MECH/PLUMB
LEVEL 1
FLOOR PLAN
AREA A**

MH101A

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- ### KEYED NOTES
1. TERMINATE UNIT HEATER COMBUSTION AIR AND EXHAUST VENT WITH CONCENTRIC VENT KIT PER MANUFACTURERS INSTALLATION GUIDE.
 2. FIRE ALARM AND STROBE.
 3. WALL MOUNTED FIRE DEPARTMENT SIAMESE CONNECTION. RUN LINE INSIDE AND CONNECT TO FULL SIZE MAIN. FIELD VERIFY EXACT LOCATION WITH DESIGN SPECIFICATIONS AND FIRE PROTECTION CONTRACTOR.
 4. CONTROL PANEL FOR CIRCULATION FANS.
 5. PROVIDE 2" FILTER BRACKETS AND FILTER DOWNSTREAM OF MOTORIZED DAMPER. MOUNT BOTTOM OF LOUVER 24" AFF.
 6. MOUNT EXHAUST FAN HIGH ON SIDEWALL IN GABLE. COORDINATE ELEVATION WITH ARCHITECTURAL AND STRUCTURAL PLANS.

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 - E. AIR TRANSFERS DUCTS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH DETAIL _ ON MHS_ FOR TRANSFERS A-G, DETAIL _ ON SHEET MHS_ FOR TRANSFER H-J, DETAIL _ ON SHEET MHS_ FOR TRANSFERS K-L AND DETAIL _ ON SHEET MHS_ FOR TRANSFERS M-S.



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**MECH/PLUMB
LEVEL 1
FLOOR PLAN
AREA B**

MH101B

1 MECH. & PLUMB. LEVEL 1 - SS AREA B
SCALE: 1/8" = 1'-0"
5 0 4 8 16

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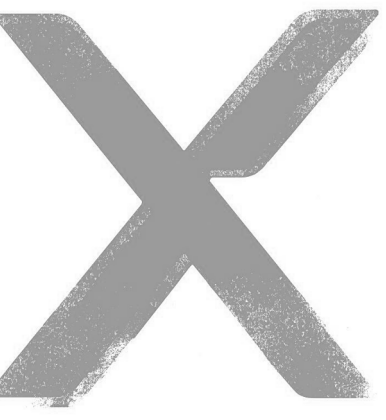
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5

GENERAL NOTES

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- D. COORDINATE DUCT ROUTING WITH PLUMBING AND MECHANICAL PIPING. PROVIDE OFFSETS AS REQUIRED.
- E. AIR TRANSFERS DUCTS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH DETAIL _ ON MH5_ FOR TRANSFERS A-G, DETAIL _ ON SHEET MH5_ FOR TRANSFER H-J, DETAIL _ ON SHEET MH5_ FOR TRANSFERS K-L AND DETAIL _ ON SHEET MH5_ FOR TRANSFERS M-S.



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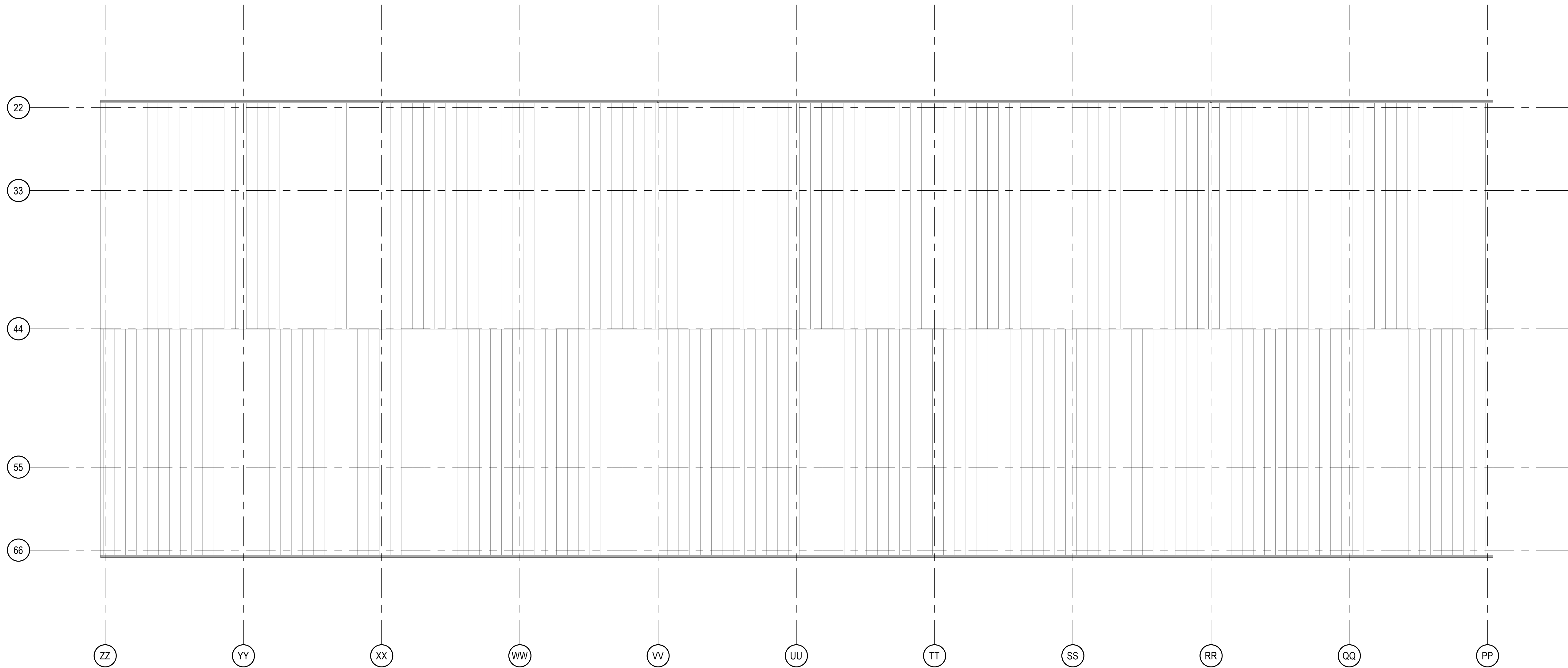
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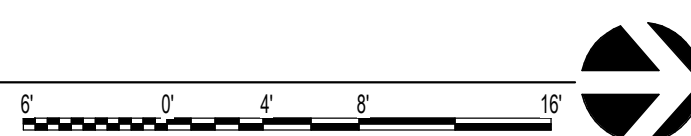
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1 MECH. & PLUMB. ROOF PLAN
 SCALE: 3/32" = 1'-0"



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MECHANICAL
OVERALL
ROOF PLAN

MH102

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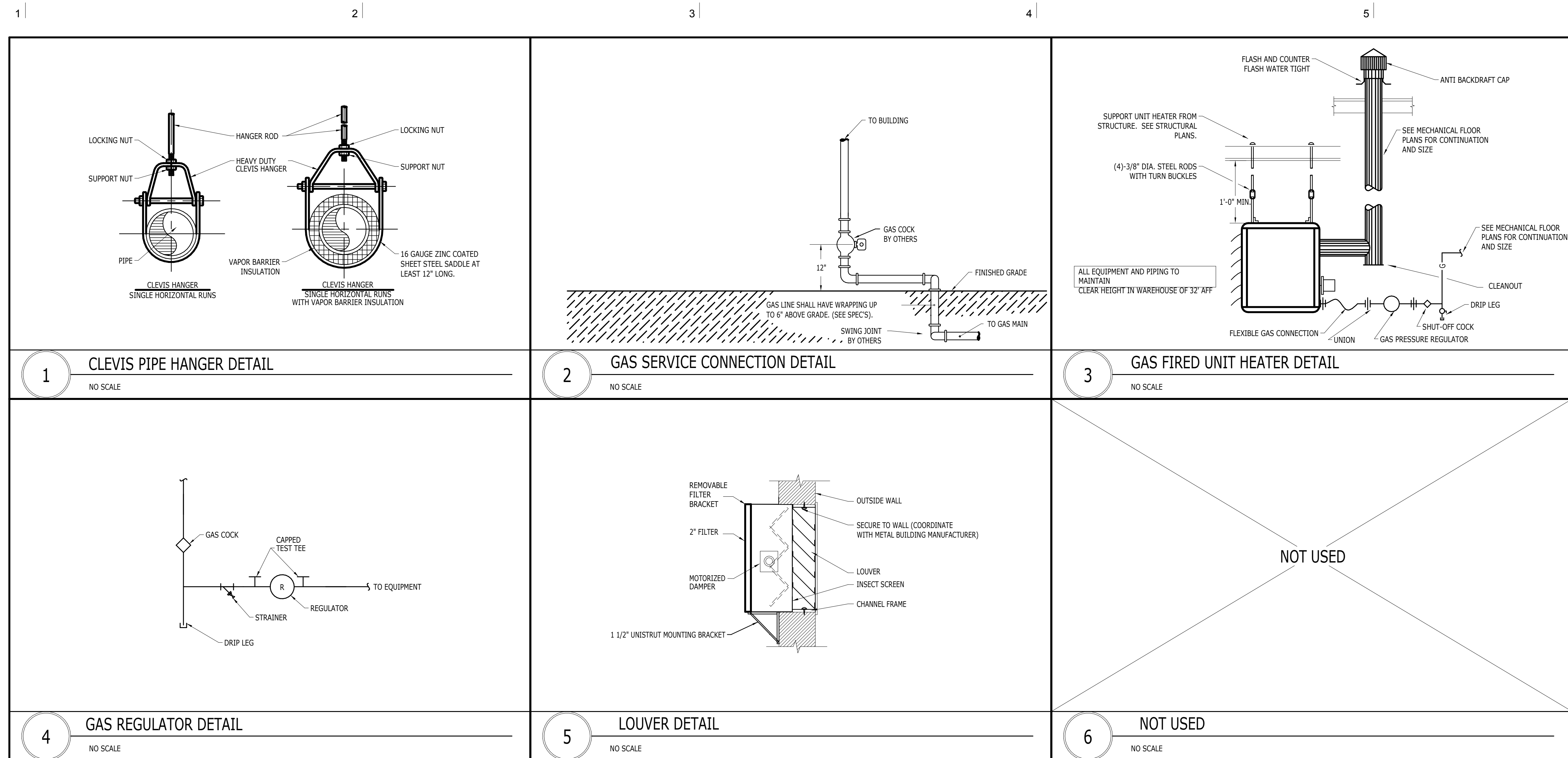
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MECHANICAL SCHEDULES

MH601



EXHAUST FAN SCHEDULE (EF)															
PLAN CODE	AREA SERVED	TYPE	CFM @ ELEV	ESP @ ELEV	FAN RPM	MOTOR			SONES	DAMPER TYPE	METHOD OF CONTROL	OPENING SIZE (IN)	MAX OPERATING WT (LBS)	MANUFACTURER & MODEL NO	REMARKS
						BHP	HP	VOLT/PH							
EF-1 & EF-2	WAREHOUSE	DIRECT DRIVE PROPELLER	7,500	.125"	1140	1.37	1.5	460 / 3	23	MOTORIZED	SWITCH HAND / OFF / AUTO	31" SQ	151	COOK XPHD-24	SIDEWALL MOUNT

1 - ALL DATA FOR ELEV = 4500 FT 2 - REVERSIBLE 3 - TO BE TIED INTO BUILDING PCL CONTROLLER

CIRCULATION FAN SCHEDULE (CF)												
PLAN CODE	AREA SERVED	TYP	CFM@ ELEV.	FAN RPM	MOTOR			METHOD OF CONTROL	MAX. OPERATING WT.(LBS.)	MANUFACTURER & MODEL NO.	REMARKS	
					AMPS	HP	VOLT/PH					
CF-1	WAREHOUSE	CEILING MOUNT PROPELLER	220,000	70	10	2.0	480 / 3	SWITCH WITH MOTOR STARTER	385	BIG-ASS FAN COMPANY POWERFOIL X2.0(20FT)	SEISMICALLY BRACE AS REQUIRED (1)(2)	

1 - OR EQUAL, 2- WALL MOUNTED CONTROLLER (X-SERIES; DIGITAL WALL KEYPAD). CONTROLLER SHALL BE TIED INTO BUILDING AUTOMATION SYSTEM.

LOUVER SCHEDULE (L)							
PLAN CODE	CFM	VELOCITY (FPM)	REQ'D FREE AREA (SF)	MAX DIMS (IN)		MANUFACTURER & MODEL NO	REMARKS
				W	H		
L-1	3750	850	4.4	48	48	POTTORFF EFD-435	1, 2

1 - PROVIDE WITH INSECT SCREEN 2 - PROVIDE WITH MOTORIZED DAMPER

PLUMBING FIXTURE SCHEDULE									
PLAN CODE	DESCRIPTION	ROUGH IN SIZE					MANUFACTURER & MODEL NO.	REMARKS	
		CW	HW	TEMPERED	WASTE	VENT			
RD-1	ROOF DRAIN - PRIMARY	-	-	-	SEE PLANS	-	J.R. SMITH MODEL 1015-C	LARGE GENERAL PURPOSE ROOF DRAIN. ROOF DRAIN SHALL BE PROVIDED WITH DUCO CAST IRON BODY, REVERSIBLE COLLAR, COMBINED FLASHING CLAMP AND GRAVEL STOP WITH NEOPRENE GASKET, CAST IRON DOME, SUMP RECEIVER, UNDERDECK CLAMP AND VANDAL PROOF SECURITY SCREWS, OR EQUAL.	
OD-1	ROOF DRAIN - SECONDARY	-	-	-	SEE PLANS	-	J.R. SMITH MODEL 1015-C	LARGE GENERAL PURPOSE ROOF DRAIN. ROOF DRAIN SHALL BE PROVIDED WITH DUCO CAST IRON BODY, REVERSIBLE COLLAR, COMBINED FLASHING CLAMP AND GRAVEL STOP WITH NEOPRENE GASKET, CAST IRON DOME, SUMP RECEIVER, UNDERDECK CLAMP AND VANDAL PROOF SECURITY SCREWS, MOUNT 2" HIGHER THAN RD-1 OR EQUAL.	
FD-1	FLOOR DRAIN	-	-	-	2	1 1/2	FLOOR DRAIN: MIFAB F1100-C-5-3	SEE PLANS FOR OUTLET SIZE. STRAINER GRATE MUST BE HEEL PROOF. PROVIDE WITH DEEP SEAL TRAP GUARD, OR EQUAL.	
FS-1	FLOOR SINK	-	-	-	SEE PLANS	1 1/2	MIFAB FS1720 SQUARE FLOOR SINK	FLOOR SINK SHALL BE OF CAST IRON CONSTRUCTION WITH ENAMEL INTERIOR FINISH, MINIMUM INTERIOR DIMENSIONS OF 12"x12"x8"D. PROVIDE WITH NICKEL BRONZE GRATE AND DEEP SEAL P-TRAP. SEE FOOD SERVICE EQUIPMENT PLANS FOR GRATE REQUIRED IN KITCHEN. OR EQUAL.	

GAS FIRED UNIT HEATER SCHEDULE (UH)											
PLAN CODE	MANUFACTURER MODEL NO.	SPECIFIED UNIT CAPACITY (BTU)		CFM (STD)	ELECTRICAL		MAX DIMENSIONS				REMARKS
		INPUT (S.L.)	OUTPUT (S.L.)		VOLT/PH	FAN H.P.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)	WEIGHT (LBS)	
UH-1	STERLING TF-150	150,000	128,500	5,600	480/3	2 @ 1/3	55-1/4	48-5/8	34	321	(1)(2)(3)
UH-2	STERLING TF-150	150,000	128,500	5,600	480/3	2 @ 1/3	55-1/4	48-5/8	34	321	(1)(2)(3)
UH-3	STERLING TF-150	150,000	128,500	5,600	480/3	2 @ 1/3	55-1/4	48-5/8	34	321	(1)(2)(3)
UH-4	STERLING TF-150	150,000	128,500	5,600	480/3	2 @ 1/3	55-1/4	48-5/8	34	321	(1)(2)(3)
UH-5	STERLING TF-150	150,000	128,500	5,600	480/3	2 @ 1/3	55-1/4	48-5/8	34	321	(1)(2)(3)
UH-6	STERLING TF-150	150,000	128,500	5,600	480/3	2 @ 1/3	55-1/4	48-5/8	34	321	(1)(2)(3)

PROVIDE THERMOSTAT MOUNTING FROM UNIT. COORDINATE HEIGHT WITH USER

D

C

B

A

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POWER	
SYMBOL	DESCRIPTION
	DUPLEX RECEPTACLE
	QUADRAPLEX RECEPTACLE
	GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE
	GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE WITH WEATHERPROOF BUBBLE COVER
	DUPLEX RECEPTACLE FLOOR OUTLET. PROVIDE FLOOR ACTIVATIONS AND BOXES REQUIRED FOR IN CONCRETE FLOOR BOX.
	RECESSED CEILING MOUNTED RECEPTACLE
	RECESSED FLOOR MOUNTED RECEPTACLE
	HOME RUN TO PANEL - INDICATING 2 #12, 1 #12 GND, 3/4" CONDUIT OR AS SHOWN.
	HOME RUN TO PANEL - INDICATING NUMBER OF CONDUCTORS - #12 OR AS SHOWN.
	HOME RUN TO PANEL SHOWING BRANCH CIRCUIT NUMBERS.
	HATCH MARKS IN CONDUIT RUN DENOTES NUMBER OF CONDUCTORS IN CONDUIT. LONG HATCH MARK DENOTES GROUND CONDUCTOR. SIZE OF CONDUCTORS TO BE #12 AWG CONDUCTORS IN CONDUIT UNLESS NOTED OTHERWISE. UNMARKED CONDUITS SHALL BE 3/4" WITH 3 #12.
	THERMOSTAT
	MOTOR
	JUNCTION BOX
	ELECTRICAL PANEL, POWER OR LIGHTING
	THIS NOTATION ADJACENT TO WALL OUTLET SYMBOL DENOTES MOUNTING HEIGHT ABOVE FINISHED FLOOR TO CENTER OF OUTLET DEVICE. IF NOT NOTED, THE MOUNTING HEIGHT TO CENTER SHALL BE AS DETAILED OR SPECIFIED.
	METER BASE
	COMBINATION SAFETY SWITCH AND STARTER, SEE SPECS
	SAFETY DISCONNECT SWITCH. +36" TO TOP (TYPICAL)
	DATA OUTLET. 4-1 1/16" x 2-1/8" BOX WITH 1 GANG MUD RING. 1" CONDUIT TO T.T.B. JACKS AND WIRING BY OWNER.

ELECTRICAL LINETYPES	
SYMBOL	DESCRIPTION
	EXPOSED CONDUIT
	UNDERGROUND CONDUIT
	BARE COPPER GROUND CONDUCTOR
	EXISTING EXPOSED CONDUIT
	EXISTING UNDERGROUND CONDUIT
	CAPPED UNDERGROUND CONDUIT OR STUBBUP
	NEW ELECTRICAL EQUIPMENT
	DETAIL VIEW OR MATCHING
	FUTURE
	CONDUIT DROP
	CONDUIT RISE

SCHEMATICS & DIAGRAMS	
SYMBOL	DESCRIPTION
	CIRCUIT BREAKER, SHOWN WITH TRIP RATING AND NUMBER OF POLES.
	UTILITY METER
	CURRENT TRANSFORMER
	MOTOR, NUMBER DESIGNATES NEMA HORSEPOWER SIZE.
	TERMINAL LUG, STRIP, OR POWER DISTRIBUTION BLOCK
	TRANSFORMER
	GROUND CONNECTION
	BOND TO BUILDING STEEL
	GROUND ROD
	BOND TO METALLIC WATER PIPE
	FUSE

LIGHTING	
SYMBOL	DESCRIPTION
	FLUORESCENT LIGHT FIXTURE, SEE FIXTURE SCHEDULE
	EMERGENCY LIGHTING, SEE FIXTURE SCHEDULE
	LIGHTING FIXTURE TYPE - SEE FIXTURE SCHEDULE.
	SINGLE POLE SWITCH
	3 WAY SWITCH
	WALL MOUNTED MOTION SWITCH - DUAL TECHNOLOGY
	MOTOR RATED MANUAL STARTER
	DIMMING SWITCH
	UNSWITCHED NIGHT LIGHT
	CEILING MOUNTED DUAL-TECHNOLOGY MOTION SENSOR
	EXIT SIGN

ELECTRICAL PROJECT NOTES	
1.	THE COMPLETED INSTALLATION SHALL COMPLY WITH APPLICABLE FEDERAL, STATE, AND LOCAL CODES, ORDINANCES, AND REGULATIONS. THE CONTRACTOR SHALL OBTAIN NECESSARY PERMITS AND INSPECTIONS REQUIRED BY THE AUTHORITIES HAVING JURISDICTION. ALL WORK SHALL BE COMPLETED IN A NEAT, WORKMANLIKE MANNER IN ACCORDANCE WITH THE LATEST NECA STANDARDS OF INSTALLATION UNDER COMPETENT SUPERVISION. INSTALL GROUNDING PER NEC.
2.	VISIT THE SITE PRIOR TO BIDDING TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND OTHER FACTORS, WHICH MAY EFFECT THE EXECUTION OF THE WORK. INCLUDE ALL RELATED COSTS IN THE INITIAL BID PROPOSAL.
3.	THE CONTRACTOR SHALL COORDINATE WORK WITH THE UTILITIES PROVIDING SERVICES ON THIS PROJECT, AND SHALL COMPLY WITH ALL THEIR INSTALLATION REQUIREMENTS.
4.	ALL MATERIALS SHALL BE NEW AND OF THE BEST QUALITY, MANUFACTURED IN ACCORDANCE WITH NEMA, ANSI, UL, OR OTHER APPLICABLE STANDARDS. THE USE OF MANUFACTURERS' NAMES, MODELS, AND NUMBERS IS INTENDED TO ESTABLISH STYLE, QUALITY, APPEARANCE, USEFULNESS, AND BID PRICE.
5.	PROTECT ALL ELECTRICAL MATERIAL AND EQUIPMENT INSTALLED AGAINST DAMAGE BY OTHER TRADES, WEATHER CONDITIONS, OR ANY OTHER PREVENTABLE CAUSES. EQUIPMENT DAMAGED DURING SHIPPING OR CONSTRUCTION, PRIOR TO ACCEPTANCE BY THE ENGINEER OR THE OWNER, WILL BE REJECTED AS DEFECTIVE.
6.	LEAVE THE SITE CLEAN. REMOVE ALL DEBRIS, EMPTY CARTONS, TOOLS, CONDUIT, WIRE SCRAP AND ALL MISCELLANEOUS SPARE EQUIPMENT AND MATERIALS USED IN THE WORK DURING CONSTRUCTION. ALL COMPONENTS SHALL BE FREE OF DUST, GRIT AND FOREIGN MATERIALS, LEFT AS NEW BEFORE FINAL ACCEPTANCE OF WORK. DAMAGED PAINT AND FINISHES SHALL BE TOUCHED UP OR REPAINTED WITH MATCHING COLOR PAINT AND FINISH.
7.	CIRCUIT CONDUCTORS #6 AWG OR SMALLER SHALL BE THWN STRANDED COPPER. #4 AWG THROUGH #2 AWG SHALL BE XHHW STRANDED COPPER. #1 AWG OR LARGER SHALL BE XHHW-2 STRANDED COPPER. MINIMUM POWER CONDUCTOR SIZE SHALL BE #12 AWG WITH #12 AWG GROUND.
8.	UNDERGROUND CONDUITS SHALL BE SCHEDULE 80 PVC WHERE WITHIN THE BUILDING OUTSIDE BURIED CONDUIT SHALL BE PVC COATED RGS. MINIMUM CONDUIT DEPTH SHALL BE 24 INCHES. MINIMUM UNDERGROUND CONDUIT SIZE SHALL BE 1 INCH.
9.	CONDUITS SHALL BE MARKED AT EACH END WITH MATCHING NUMBERED BRASS TAGS. SPARE CONDUITS SHALL HAVE A PULL STRING INSTALLED AND SECURED.
10.	EXPOSED CONDUITS SHALL BE GALVANIZED RIGID STEEL (GRS) OR RIGID ALUMINUM. MINIMUM SIZE 3/4 INCH, UNLESS OTHERWISE NOTED ON THE PLANS.
11.	SAFETY SWITCHES, ELECTRICAL DISTRIBUTION EQUIPMENT, CONTROL PANELS, AND OTHER ELECTRICAL DEVICES SHALL BE UL LISTED, AND RATED FOR HEAVY DUTY SERVICE. SHALL INCLUDE VIEWING WINDOW, NEMA 1 INSIDE NEMA 4X OUTSIDE.
12.	WIRING DEVICES SHALL BE SPECIFICATION GRADE.
13.	THE CONTRACTOR IS RESPONSIBLE FOR MANAGING, SCHEDULING, DOCUMENTING, AND PERFORMING THE WORK SO THAT A COMPLETE ELECTRICAL INSTRUMENTATION AND CONTROL SYSTEM FOR THE FACILITY IS PROVIDED. ACCURATE SHOP AND RECORD DRAWINGS, AND OEM MANUALS SHALL BE SUBMITTED PRIOR TO FINAL ACCEPTANCE OF THE WORK.
14.	TYPICAL DETAILS SHALL APPLY IN ALL CASES, WHETHER SPECIFICALLY REFERRED TO OR NOT.

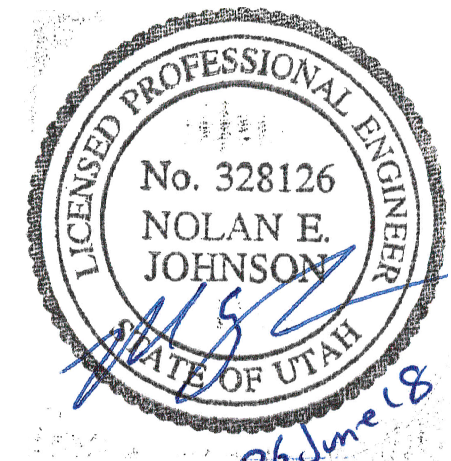
FEEDER DESIGNATION LOGIC			
	1. NUMBER OF CONDUITS 2. P: NUMBER - SIZE OF PHASE CONDUCTORS PER CONDUIT 3. N: NUMBER - SIZE OF NEUTRAL CONDUCTOR(S) PER CONDUIT 4. G: NUMBER - SIZE OF GROUND CONDUCTOR(S) PER CONDUIT 5. SIZE OF EACH CONDUIT IN INCHES		
KEY TO CONDUCTOR SIZE & TYPE			
14 = #14 AWG COPPER	6 = #6 AWG COPPER	1/0 = 1/0 AWG COPPER	250 = 250 KCMIL COPPER
12 = #12 AWG COPPER	4 = #4 AWG COPPER	2/0 = 2/0 AWG COPPER	350 = 350 KCMIL COPPER
10 = #10 AWG COPPER	2 = #2 AWG COPPER	3/0 = 3/0 AWG COPPER	500 = 500 KCMIL COPPER
8 = #8 AWG COPPER		4/0 = 4/0 AWG COPPER	750 = 750 KCMIL COPPER

ABBREVIATIONS			
A	AMPERE	M	MOTOR
AFF	ABOVE FINISHED FLOOR	MFR(S)	MANUFACTURER(S)
C	CONDUIT	NEC	NATIONAL ELECTRICAL CODE
CB	CIRCUIT BREAKER	NECA	NATIONAL ELECTRICAL CONTRACTOR ASSOCIATION
CON	CONTRACTOR	NTS	NOT TO SCALE
CJ	COPPER, BARE	P	PHASE
DWG	DRAWING	PB	PULL BOX
EXIST	EXISTING	PNL	PANEL
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	V	VOLT
GND	GROUND	W	WATT, WIRE
GRS	GALVANIZED RIGID STEEL	WP	WEATHERPROOF
I	CURRENT	XFMR	TRANSFORMER
JB	JUNCTION BOX		

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PARTS STORAGE
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 OGDEN UT 84404



PRELIMINARY

NEXUS PROJECT #: 18059
CHECKED BY:
DRAWN BY:
DATE: 5/29/2018

**ELECTRICAL
SYMBOL
LEGEND**

E-001

PANEL LSA										100 A MAIN BREAKER					BUS AMPS: 100				
VOLTAGE: 208/120, 3 P, 4 W					CIRCUIT BREAKER TYPE: BOLT-ON					MOUNTING: WALL									
ENCLOSURE: NEMA 1					INTERRUPTING CAPACITY:					LOCATION: AS INDICATED									
NOTES	BRANCH CKT BRKR			CONN. LOAD (VA)	DESCRIPTION	PHASE			DESCRIPTION	CONN. LOAD (VA)			BRANCH CKT BRKR						
	#	AMP	P.			A	B	C		LOAD (VA)	P.	AMP	#	NOTES					
	1	20	I	1000	CONV. REEPTACLE5	1000			SPARE		I	20	2						
	3	20	I	1000	CONV. REEPTACLE5		1000		SPARE		I	20	4						
	5	20	I	1000	CONV. REEPTACLE5			1000	SPARE		I	20	6						
	7	20	I	1000	CONV. REEPTACLE5	1000			SPARE		I	20	8						
	9	20	I	1000	DAMPER MOTORS		1000		SPARE		I	20	10						
	11	20	I	500	FACP			500	SPARE		I	20	12						
	13	20	I	1500	DATA RACK	1500			SPARE		I	20	14						
	15	20	I		SPARE		0		SPARE		I	20	16						
	17	20	I		SPARE			0	SPARE		I	20	18						
	19	20	I		SPARE	0			SPARE		I	20	20						
	21	20	I		SPARE		0		SPARE		I	20	22						
	23	20	I		SPARE			0	SPARE		I	20	24						
	25	20	I		SPARE	0			SPARE		I	20	26						
	27	20	I		SPARE		0		SPARE		I	20	28						
	29	20	I		SPARE			0	SPARE		I	20	30						
	31	20	I		SPARE	0			SPARE		I	20	32						
	33	20	I		SPARE		0		SPARE		I	20	34						
	35	20	I		SPARE			0	SPARE		I	20	36						
	37	20	I		SPARE	0			SPARE		I	20	38						
	39	20	I		SPARE		0		SPARE		I	20	40						
	41	20	I		SPARE			0	SPARE		I	20	42						
PHASE SUBTOTALS (VA)						3500	2000	1500											
PHASE TOTALS (KVA)						3.5	2.0	1.5											
PHASE TOTALS @ 120V (AMPS)						29.2	16.7	12.5											

NOTES:
1. - LABEL IN RED FIRE ALARM DO NOT TURN OFF

LIGHTING FIXTURE SCHEDULE						
TYPE	ELECTRICAL	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	SOURCE	NOTES
F1	125W 277V	GE	ABV3424H579DQDQW	LED HIGH BAY LUMINAIRE, STEEL HOUSING, 90° DIFFUSED LENS, ELECTRONIC PREMIUM EFFICIENCY DRIVER, WHITE POWDER COAT FINISH. PROVIDE 20 FOOT CORD END OPTION.	5000K CCT 70+ CRI	2
F2	109W 277V	LITHONIA	D5XW2 LED 30C 1000 50K TFTM 277 PE DDBXD	LED WALL PACK, ONE PIECE DIE-CAST ALUMINUM HOUSING, GLASS LENS, MEDIUM FORWARD THROW OPTIC, DARK BRONZE FINISH. INTEGRAL PHOTOCCELL CONTROL.	5000K CCT 70 CRI	1
EX1	277V	LITHONIA	AFN DB EXT FWD	SMALL LED EMERGENCY EGRESS WALL PACK, ONE PIECE DIE-CAST ALUMINUM HOUSING, MEDIUM / FORWARD THROW OPTICS WITH DARK BROWN FINISH. INTEGRAL COLD WEATHER EMERGENCY BATTERY PACK.		1
EX2	277V	LITHONIA	LHQM LED G HO 5D	LED EXIT SIGN, WHITE POLYCARBONATE / THERMOPLASTIC HOUSING, GREEN LETTERS, UNIVERSAL MOUNTING, CHEVRONS PER LIGHTING PLAN. EMERGENCY NI-CAD BATTERY WITH TWO LED LAMP HEADS.		1
EX3	277V	EMERGH-LITE LIGHTALARMS	24HPN902L1 5D SP24N92L1 5IDNA	LED EMERGENCY EGRESS FIXTURE, FIBERGLASS HOUSING, DIE-CAST ALUMINUM HEADS, UNIVERSAL MOUNTING, LINEAR BEAM PATTERN, NICKEL-CADMIUM BATTERY, SELF-TEST DIAGNOSTICS.		1,3,4

NOTES:
1- SUBSTITUTIONS ALLOWED UPON PRIOR APPROVAL FROM ENGINEER.
2- FIXTURE TYPE TO MATCH EXISTING.
3- SEE PLANS FOR MOUNTING HEIGHT.
4- VERIFY SPACING REQUIREMENTS.

NEW MCC6B-5B										150 AMP MAIN SERVICE DISCONNECT					
VOLTAGE: 480V 3P, 4W					CIRCUIT BREAKER TYPE: BOLT-ON					MOUNTING: WALL					
ENCLOSURE: NEMA 1					INTERRUPTING CAPACITY: 42 KAIC					LOCATION: AS INDICATED					
NOTES	CUBICLE			DESCRIPTION	PHASE			MOTOR		STARTER SIZE	CIRCUIT BREAKER SIZE	BREAKER POLES	BREAKER TYPE	COVER DEVICES	
	SECTION	#	SIZE		A	B	C	HP	FLA						
I	A	1	12"	TRANSFORMER XF2-TSA BREAKER	4100	3150	1700				60	3	FEEDER		
I	A	2	12"	TRANSFORMER XF2-TSB BREAKER	3500	2000	1500				60	3	FEEDER		
I	A	3	12"	DOCK DOOR AND ROLL UP DOOR BREAKER	941	941	941	2	3.4		20	3	FEEDER		
I	A	4	12"	SPARE BREAKER							20	3	FEEDER		
I	A	5	24"	SERVICE BREAKER INCOMING	0	0	0				150	3	FEEDER		
I	B	1	12"	WELDING RECEPTACLE 3CL BREAKER	13300	13300	13300	-	48		60	3	FEEDER		
I	B	2	12"	WELDING RECEPTACLE 3CR BREAKER	0	0	0	-	0		60	3	FEEDER	REDUNDANT LOAD	
I	B	3	12"	WELDING RECEPTACLE 3EL BREAKER	0	0	0	-	0		60	3	FEEDER	REDUNDANT LOAD	
I	B	4	12"	WELDING RECEPTACLE 3ER BREAKER	0	0	0	-	0		60	3	FEEDER	REDUNDANT LOAD	
I	B	5	12"	EXHAUST FAN EF1	720	720	720	1.5	2.6	I	30	3	MCP	FVNR, HOA, RUN PLOT, RESET	
I	B	6	12"	EXHAUST FAN EF2	720	720	720	1.5	2.6	I	30	3	MCP	FVNR, HOA, RUN PLOT, RESET	
I	C	1	12"	CEILING FAN CF-1, CF-2 BREAKER	1500	1500	1500	4	6.8		20	3	FEEDER		
I	C	2	12"	UNIT HEATERS BREAKER	1883	1883	1883	4	6.8		20	3	FEEDER		
I	C	3	12"	SPARE BREAKER							20	3			
I	C	4	12"	SPARE BREAKER							20	3			
I	C	5	12"	SPARE BREAKER							20	3			
I	C	6	12"	SPARE BREAKER							20	3			
PHASE SUBTOTALS (VA)					26664	24214	22264								
PHASE TOTALS (KVA)					26.7	24.2	22.3								
PHASE TOTALS @ 480 V (AMPS)					88.1										

NOTES:
1.- BREAKERS AND STARTERS ARE SHOWN FOR DESIGN PURPOSES FIELD VERIFY EXACT BRAND , MODEL AND QUANTITY.
2.- PROVIDE A NEW BREAKER ,MATCH EXACT BRAND AND MODEL . FIELD COORDINATE .

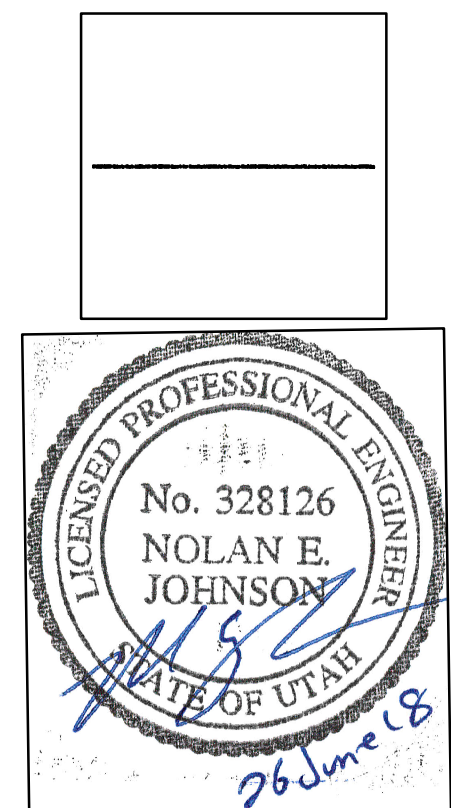
PANEL HSA										60 A MAIN BREAKER					BUS AMPS: 100				
VOLTAGE: 480/277.3 , 4 W					CIRCUIT BREAKER TYPE: BOLT-ON					MOUNTING: SURFACE									
ENCLOSURE: NEMA 1					INTERRUPTING CAPACITY: 10 KAIC					LOCATION: AS INDICATED									
NOTES	BRANCH CKT BRKR			CONN. LOAD (VA)	DESCRIPTION	PHASE			DESCRIPTION	CONN. LOAD (VA)			BRANCH CKT BRKR						
	#	AMP	P.			A	B	C		LOAD (VA)	P.	AMP	#	NOTES					
	1	20	I	2400	LIGHTS	2400			SPARE		I	20	2						
	3	20	I	2400	LIGHTS		2400		SPARE		I	20	4						
	5	20	I	1700	LIGHTS			1700	SPARE		I	20	6						
	7	20	I	1700	LIGHTS	1700			SPARE		I	20	8						
	9	20	I	750	EXTERIOR LIGHTS		750		SPARE		I	20	10						
	11	20	I		SPARE			0	SPARE		I	20	12						
	13	20	I		SPARE	0			SPARE		I	20	14						
	15	20	I		SPARE		0		SPARE		I	20	16						
	17	20	I		SPARE			0	SPARE		I	20	18						
	19	20	I		SPARE	0			SPARE		I	20	20						
	21	20	I		SPARE		0		SPARE		I	20	22						
	23	20	I		SPARE			0	SPARE		I	20	24						
	25	20	I		SPARE	0			SPARE		I	20	26						
	27	20	I		SPARE		0		SPARE		I	20	28						
	29	20	I		SPARE			0	SPARE		I	20	30						
	31	20	I		SPARE	0			SPARE		I	20	32						
	33	20	I		SPARE		0		SPARE		I	20	34						
	35	20	I		SPARE			0	SPARE		I	20	36						
	37	20	I		SPARE	0			SPARE		I	20	38						
	39	20	I		SPARE		0		SPARE		I	20	40						
	41	20	I		SPARE			0	SPARE		I	20	42						
PHASE SUBTOTALS (VA)					4100	3150	1700												
PHASE TOTALS (KVA)					4.1	3.2	1.7												
PHASE TOTALS @ 277V (AMPS)					14.8	11.4	6.1												

NOTES:
1. - FOR 24/7 OPERATION LIGHTS WILL BE CONTROLLED BY BREAKER FOR SAFETY REASONS.

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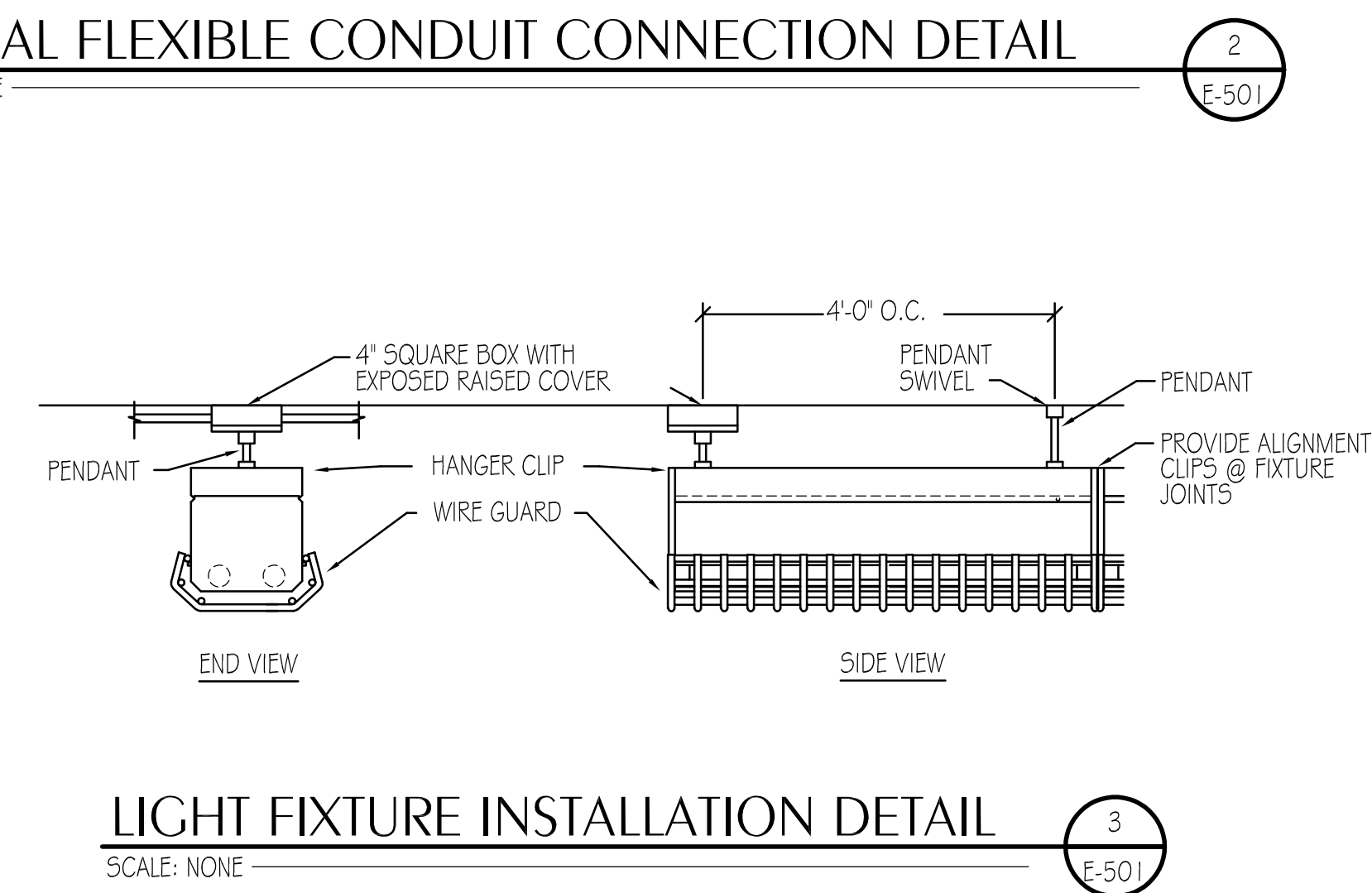
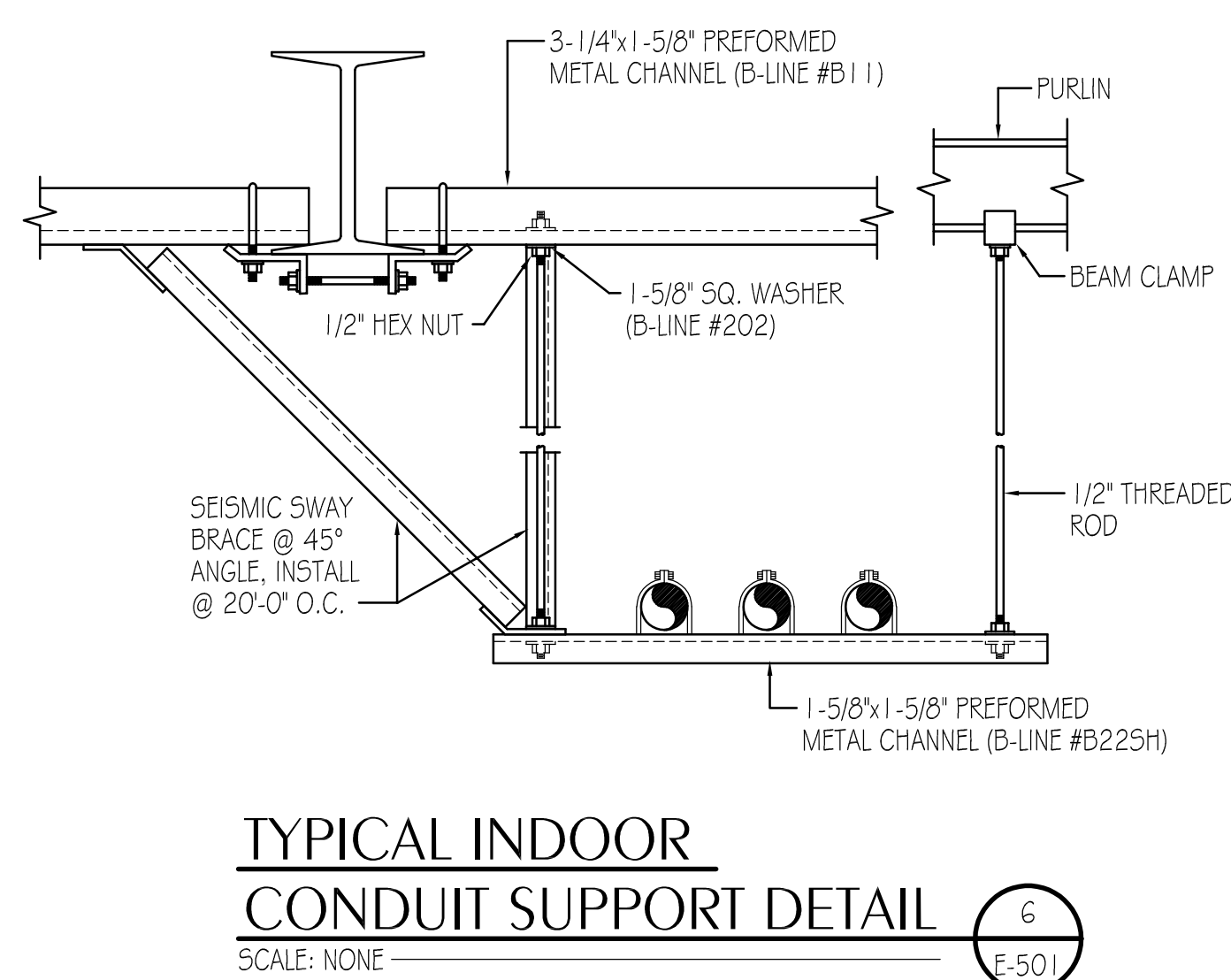
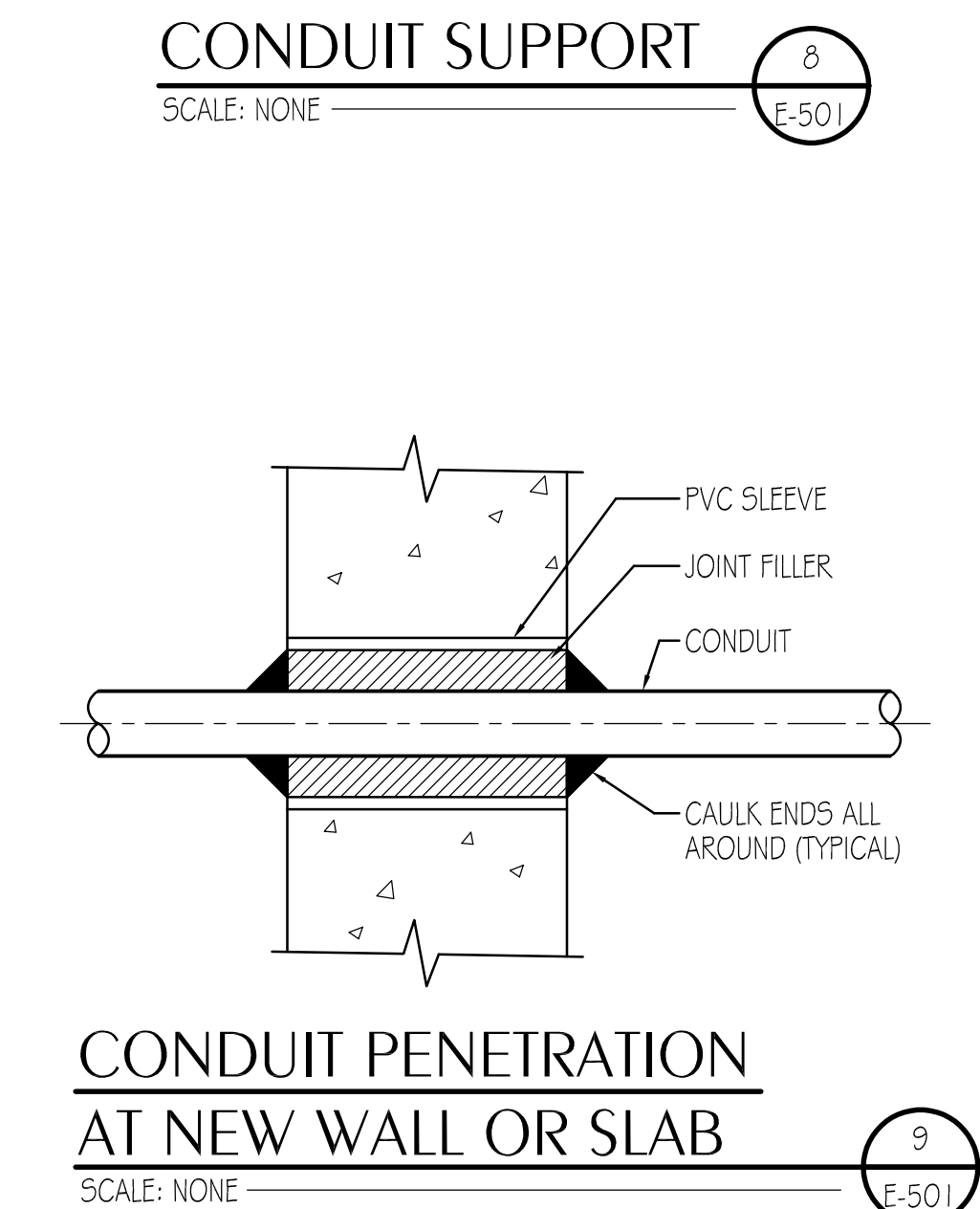
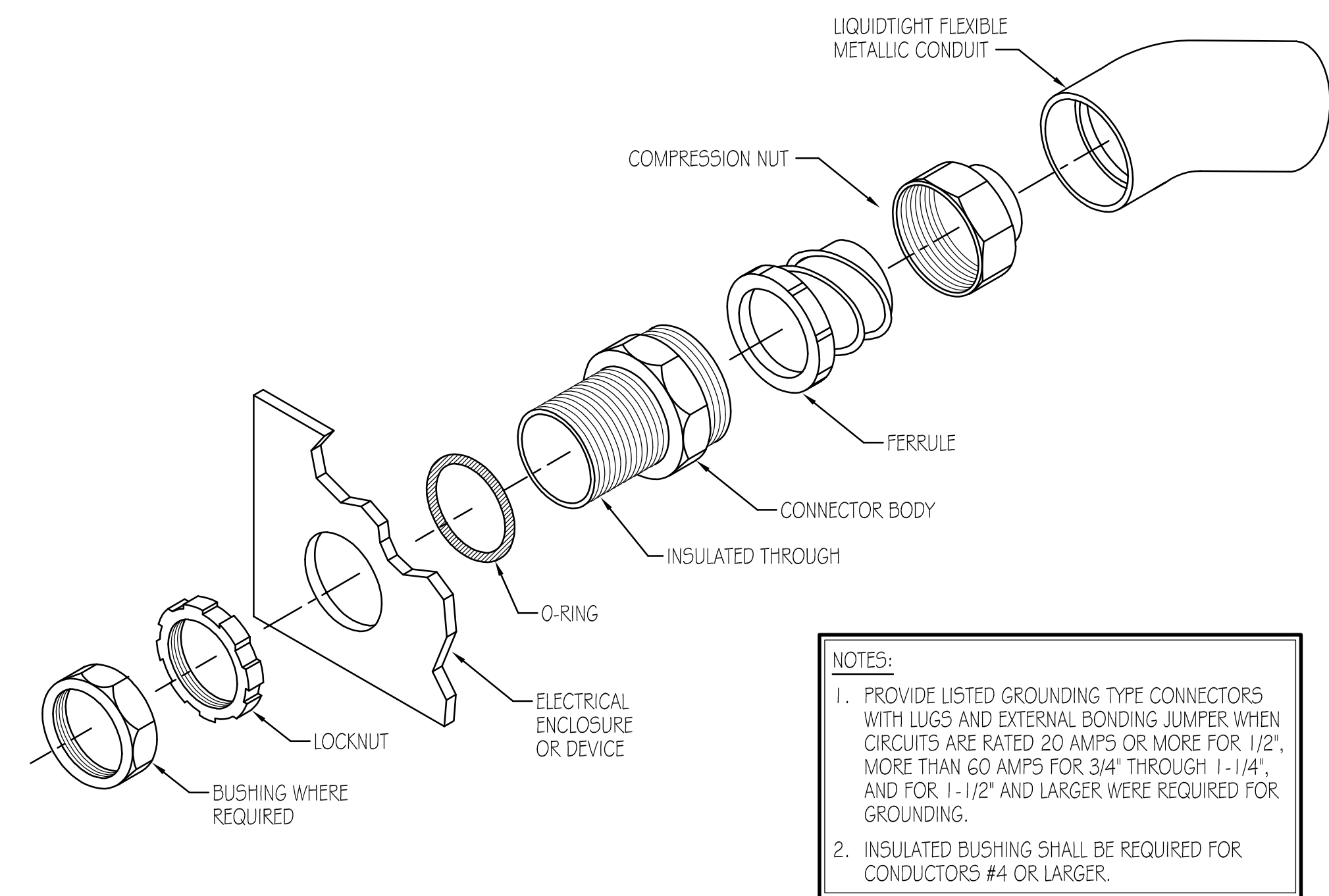
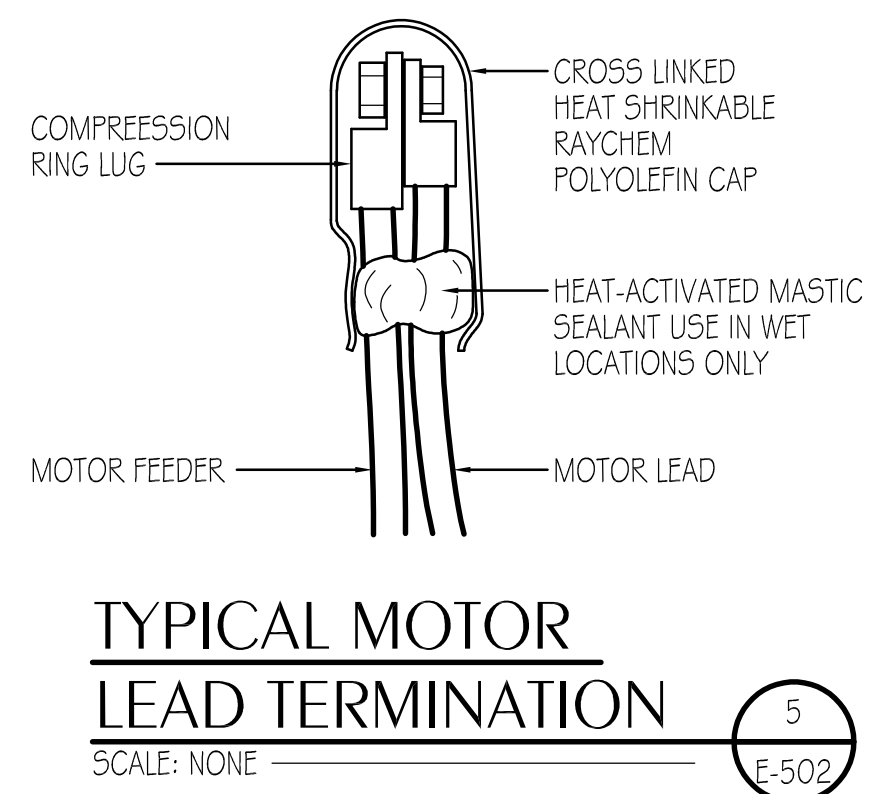
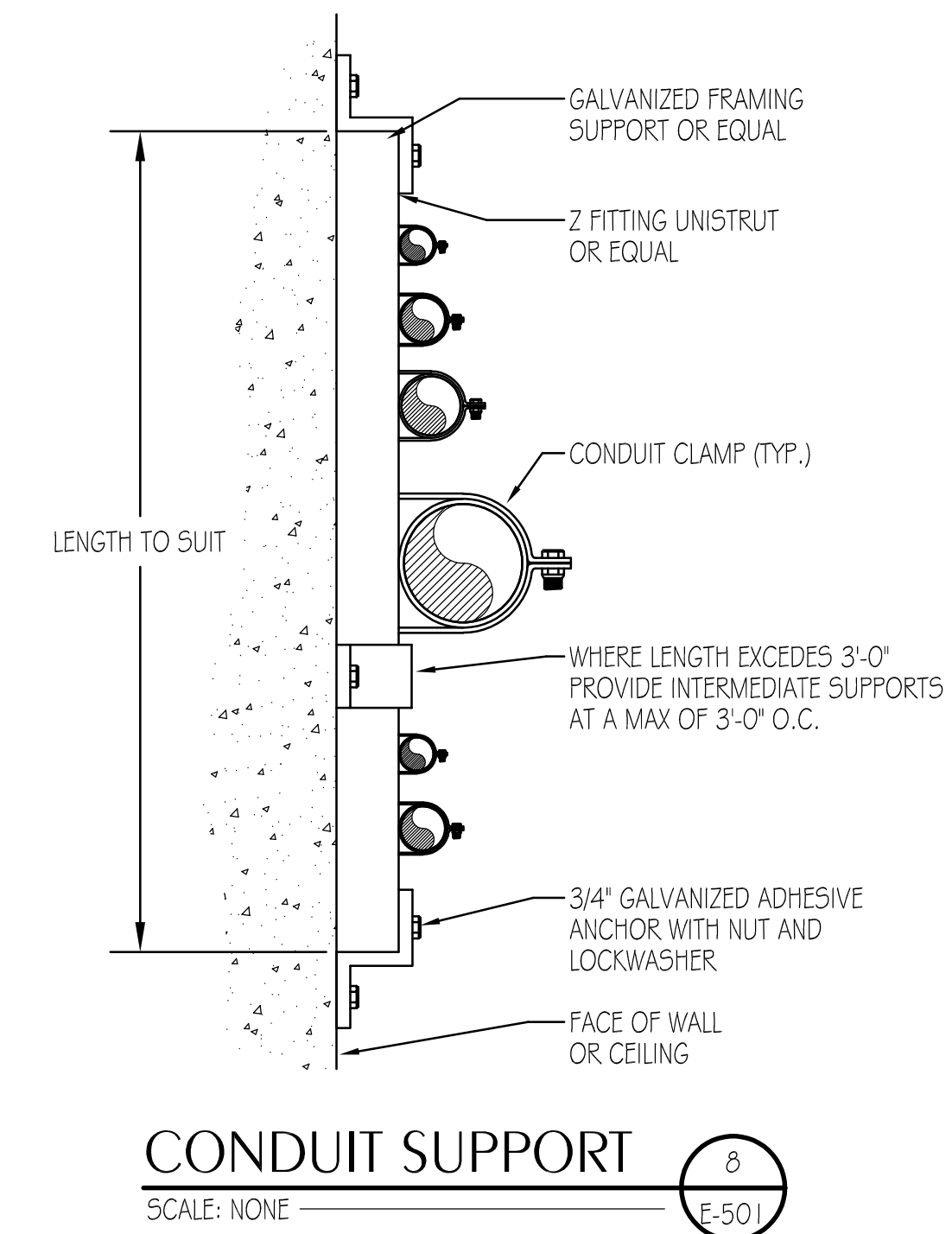
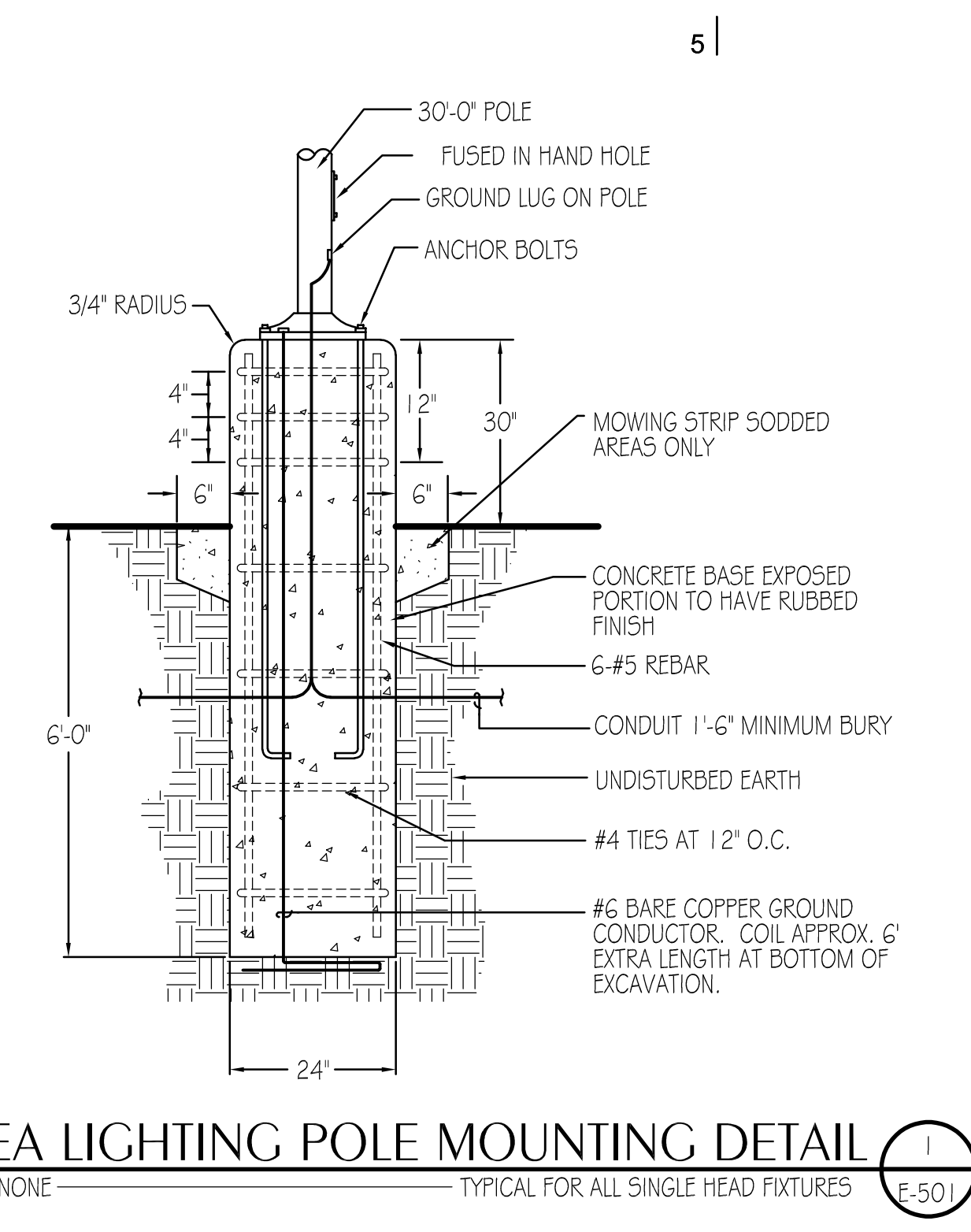
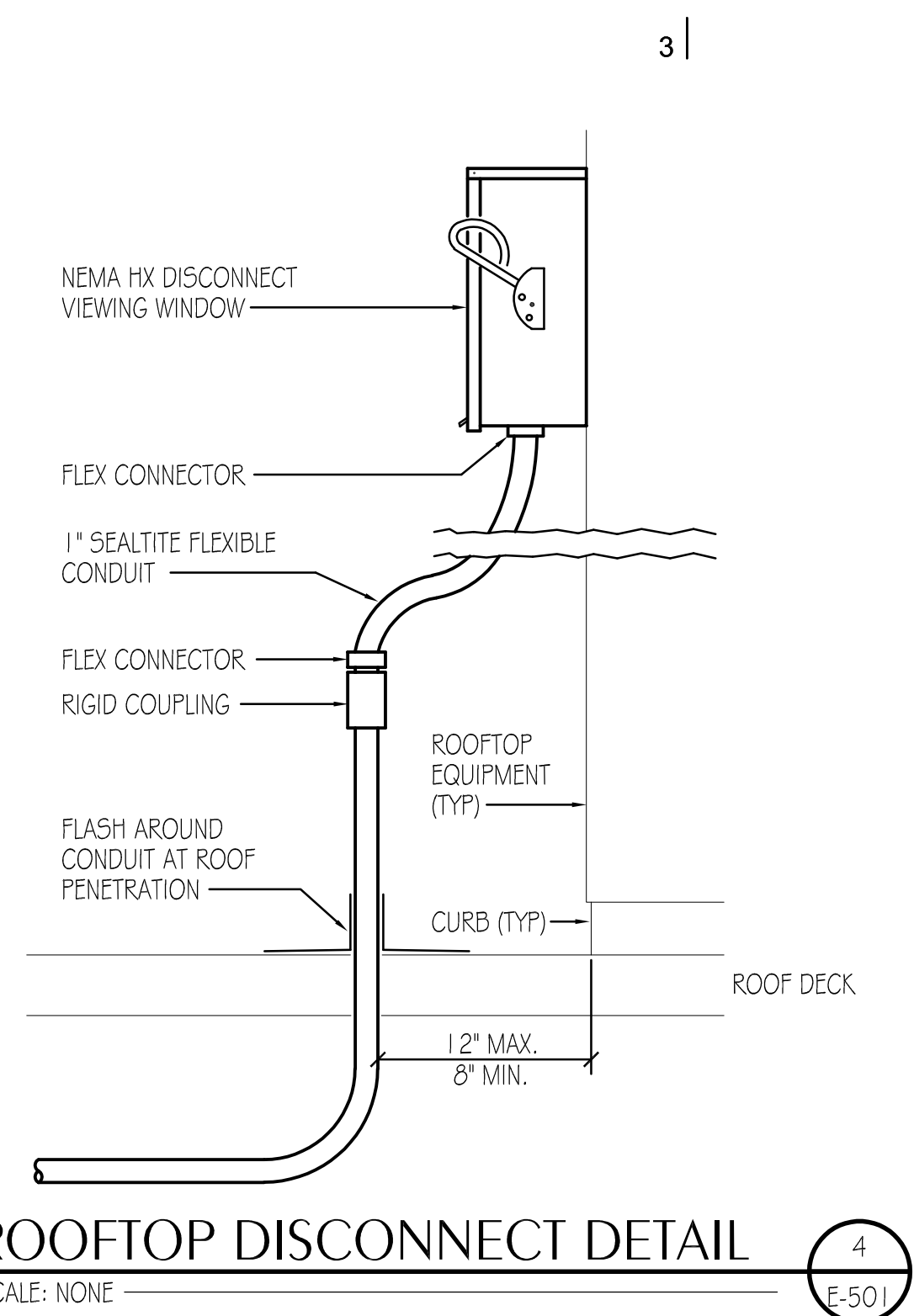
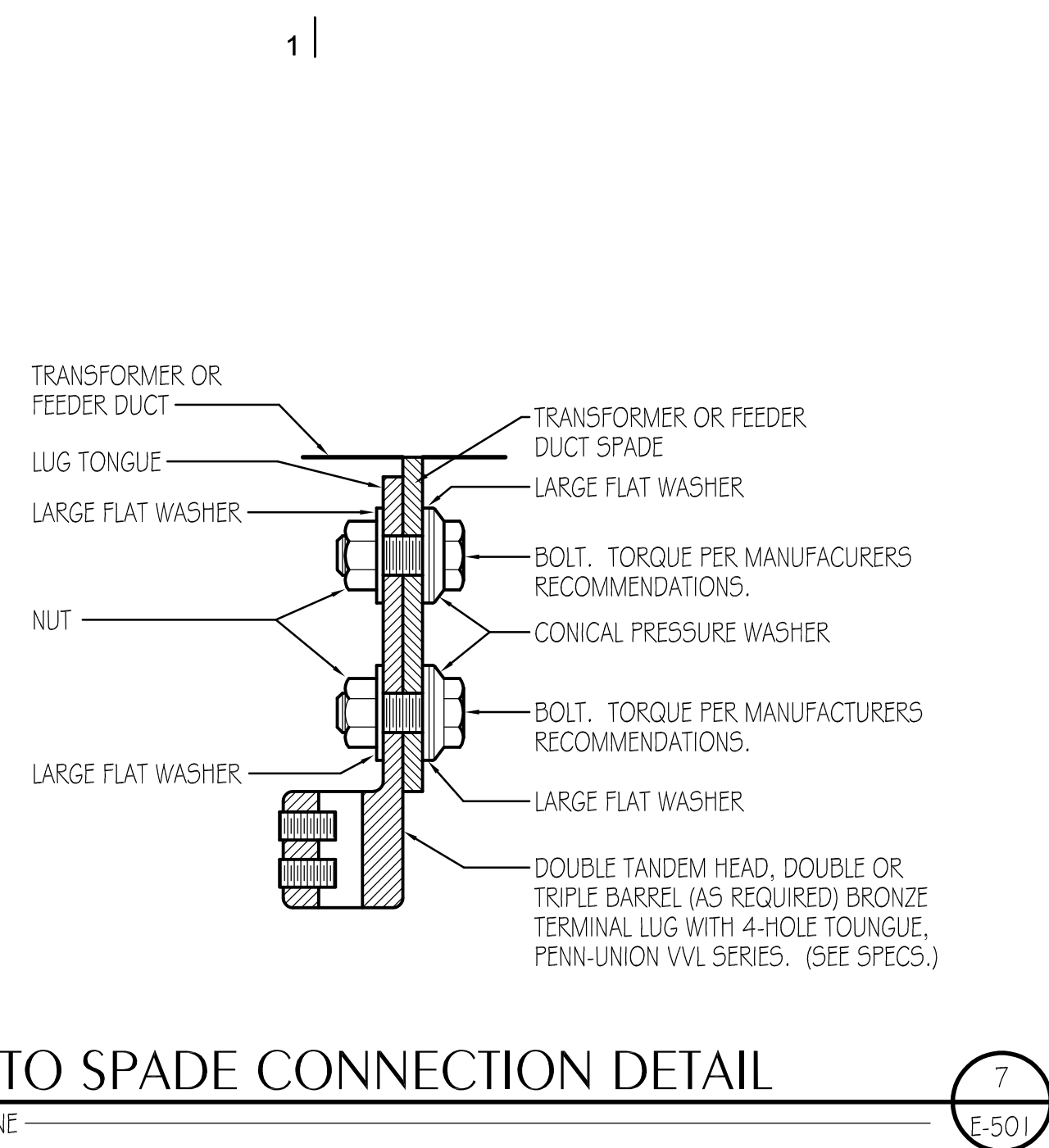


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NEXUS PROJECT #: 18059
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DATE: 5/29/2018

**ELECTRICAL
PANEL AND
FIXTURE
SCHEDULES**

E-002

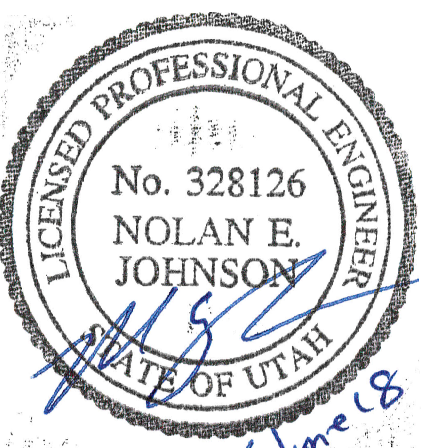


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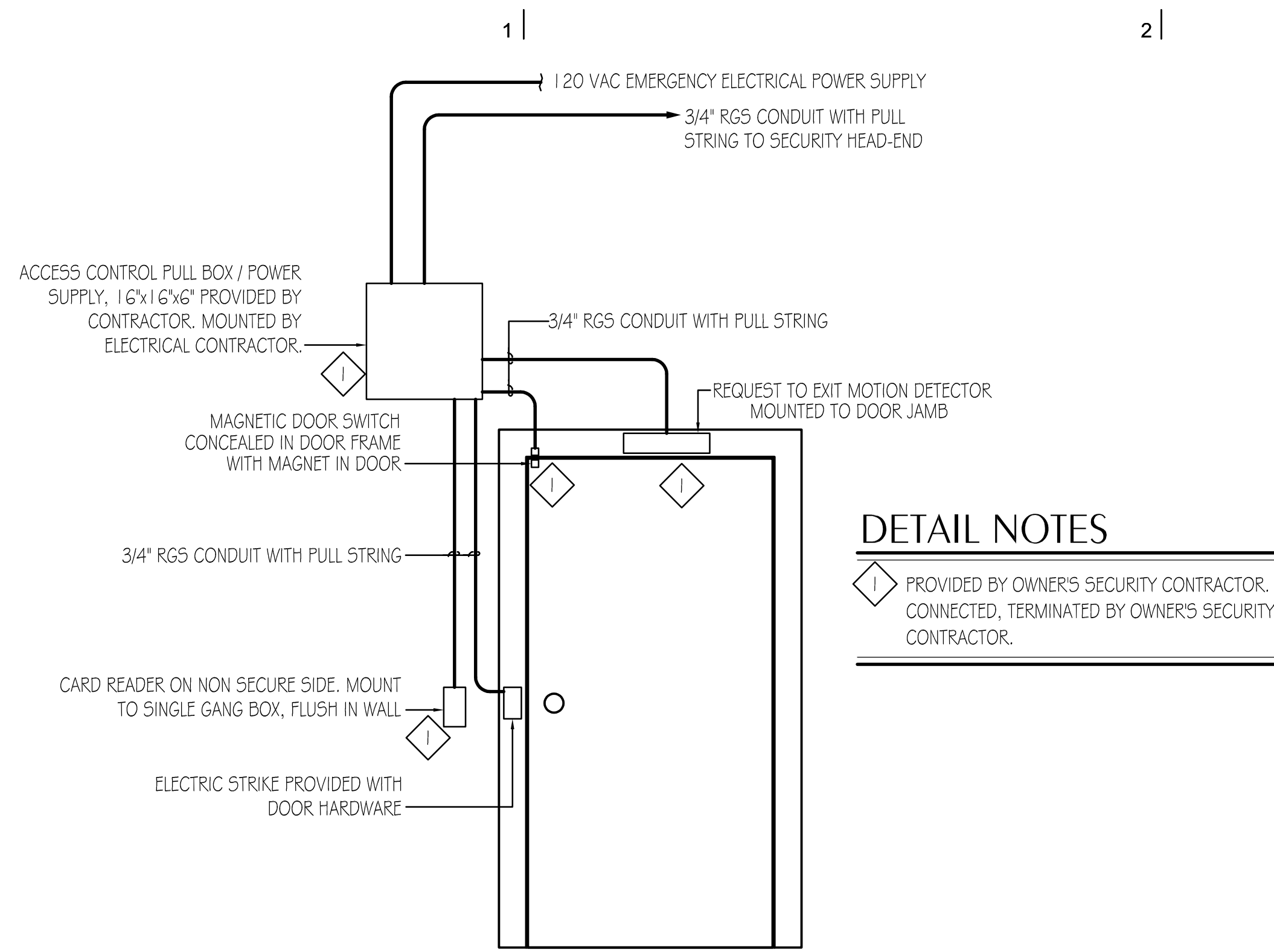


PRELIMINARY

NEXUS PROJECT #: 18059
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DATE: 5/29/2018

**ELECTRICAL
DETAILS**

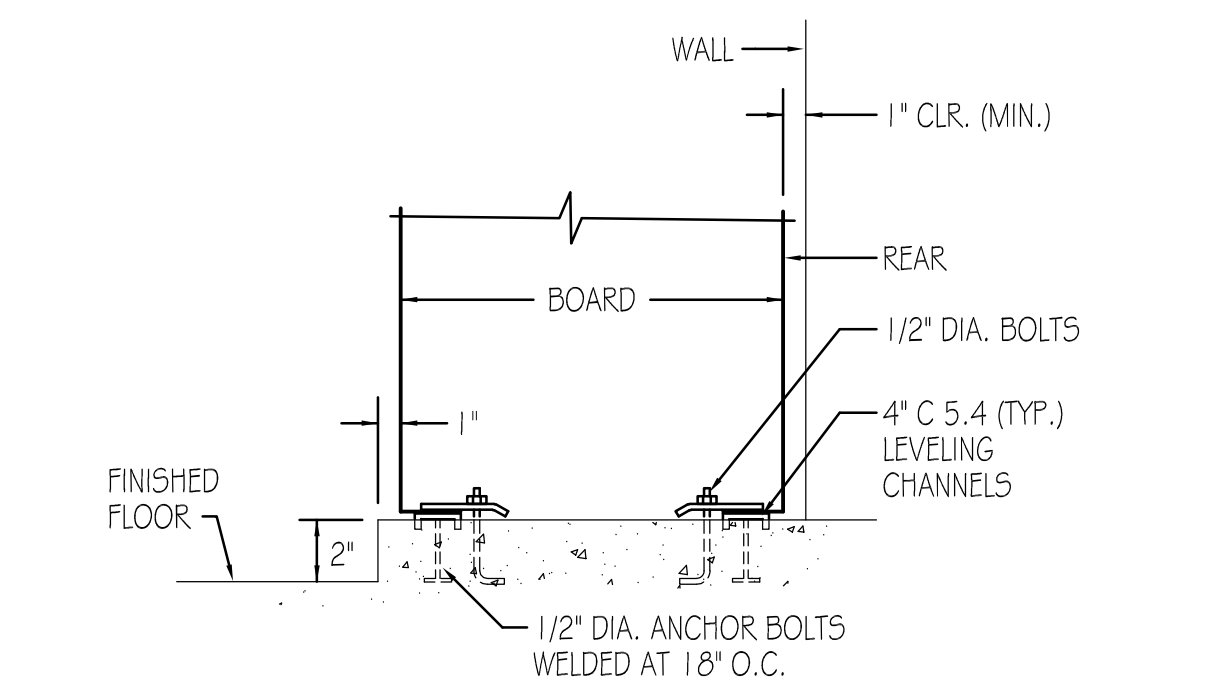
E-501



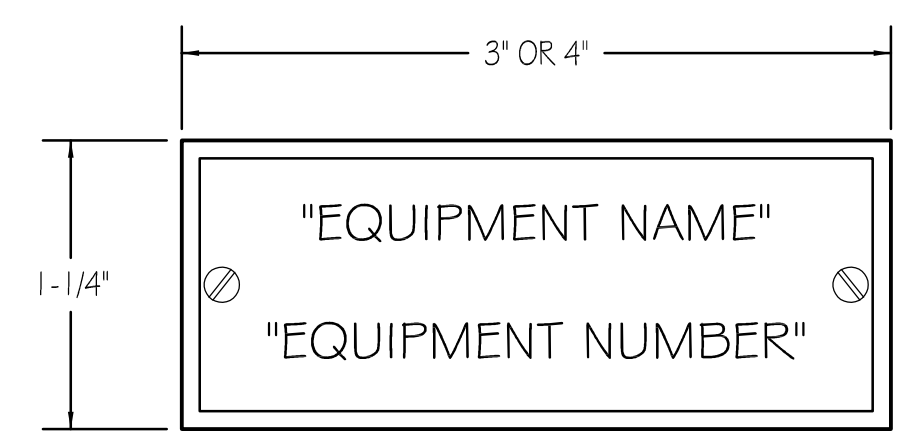
ACCESS DOOR DETAIL
SCALE: NONE

DETAIL NOTES

1 PROVIDED BY OWNER'S SECURITY CONTRACTOR. CONNECTED, TERMINATED BY OWNER'S SECURITY CONTRACTOR.



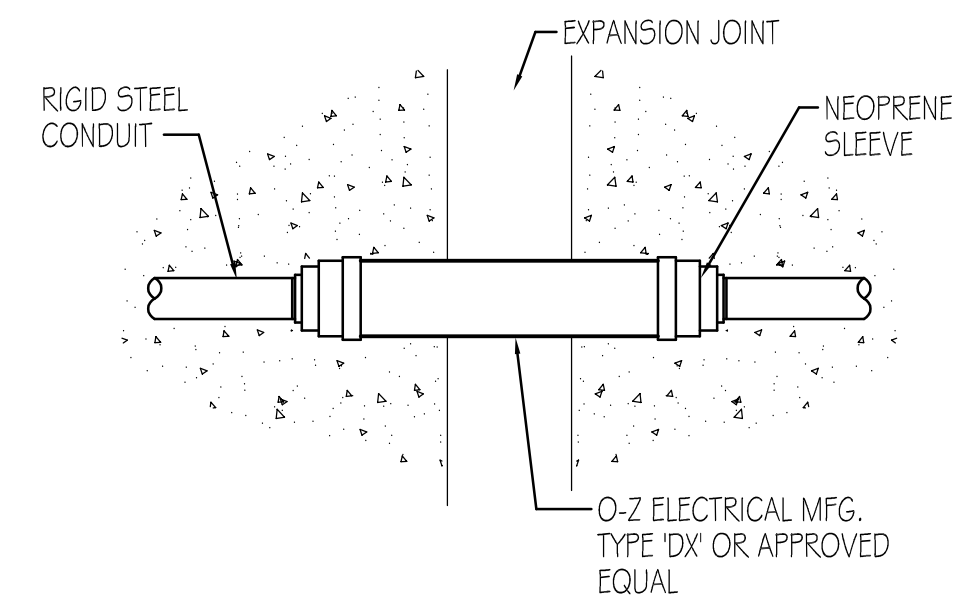
SWITCHBOARD MOUNTING DETAIL
SCALE: NONE



NOTES:

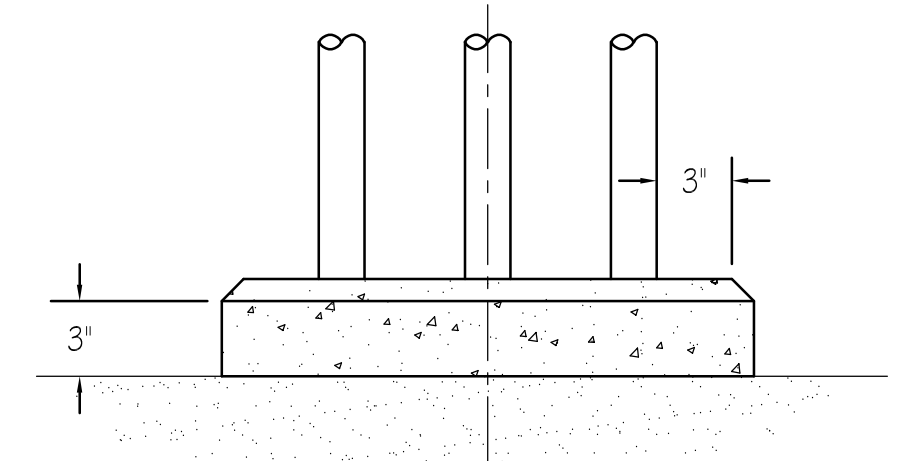
1. ALL LETTERS TO BE 1/4\"/>

NAMEPLATE DETAIL
SCALE: NONE



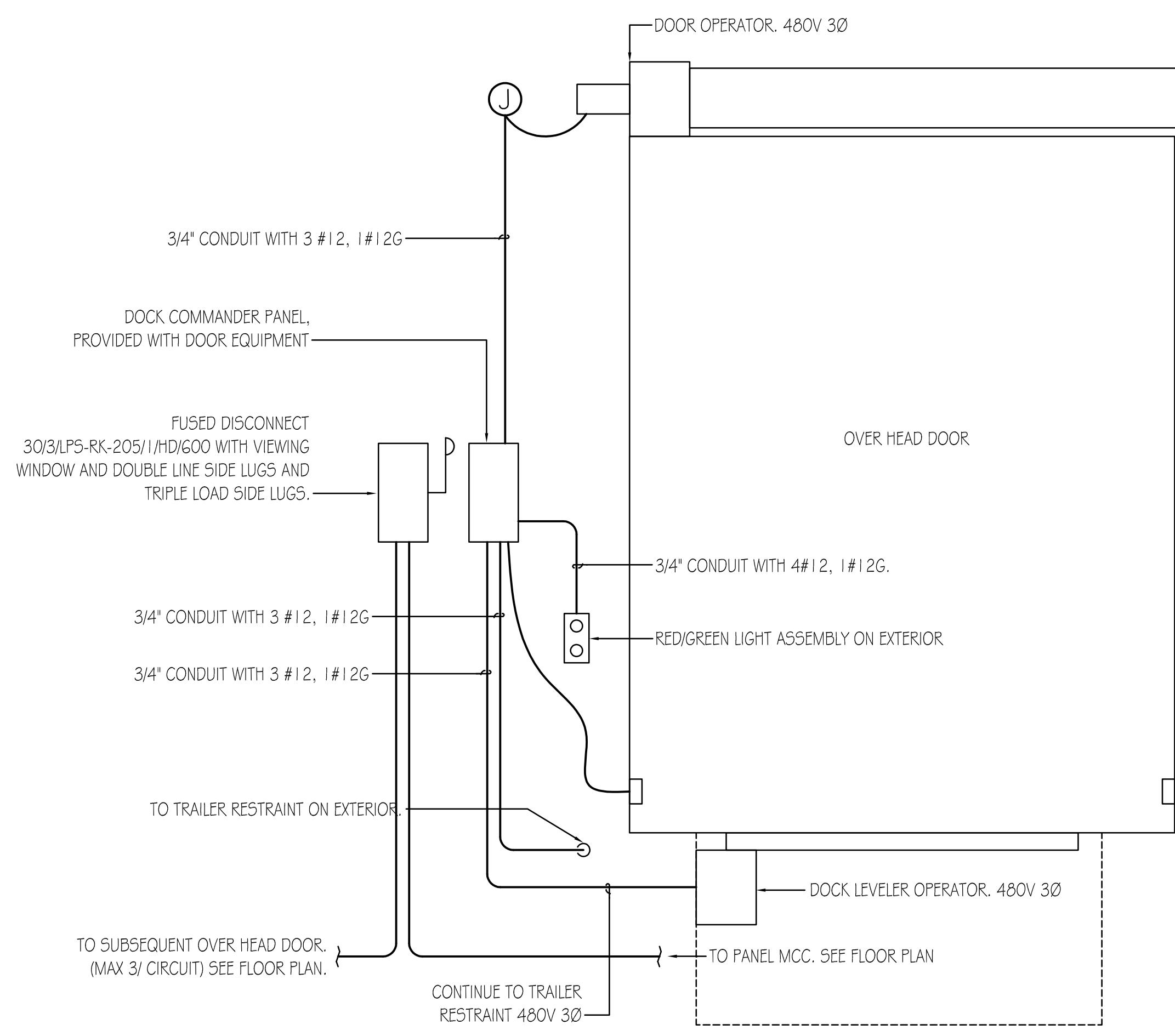
NOTE:
PROVIDE EXTERNAL BONDING JUMPER WHEN COUPLING HAS NO INTERIOR JUMPER.

EXPANSION COUPLING DETAIL
SCALE: NONE

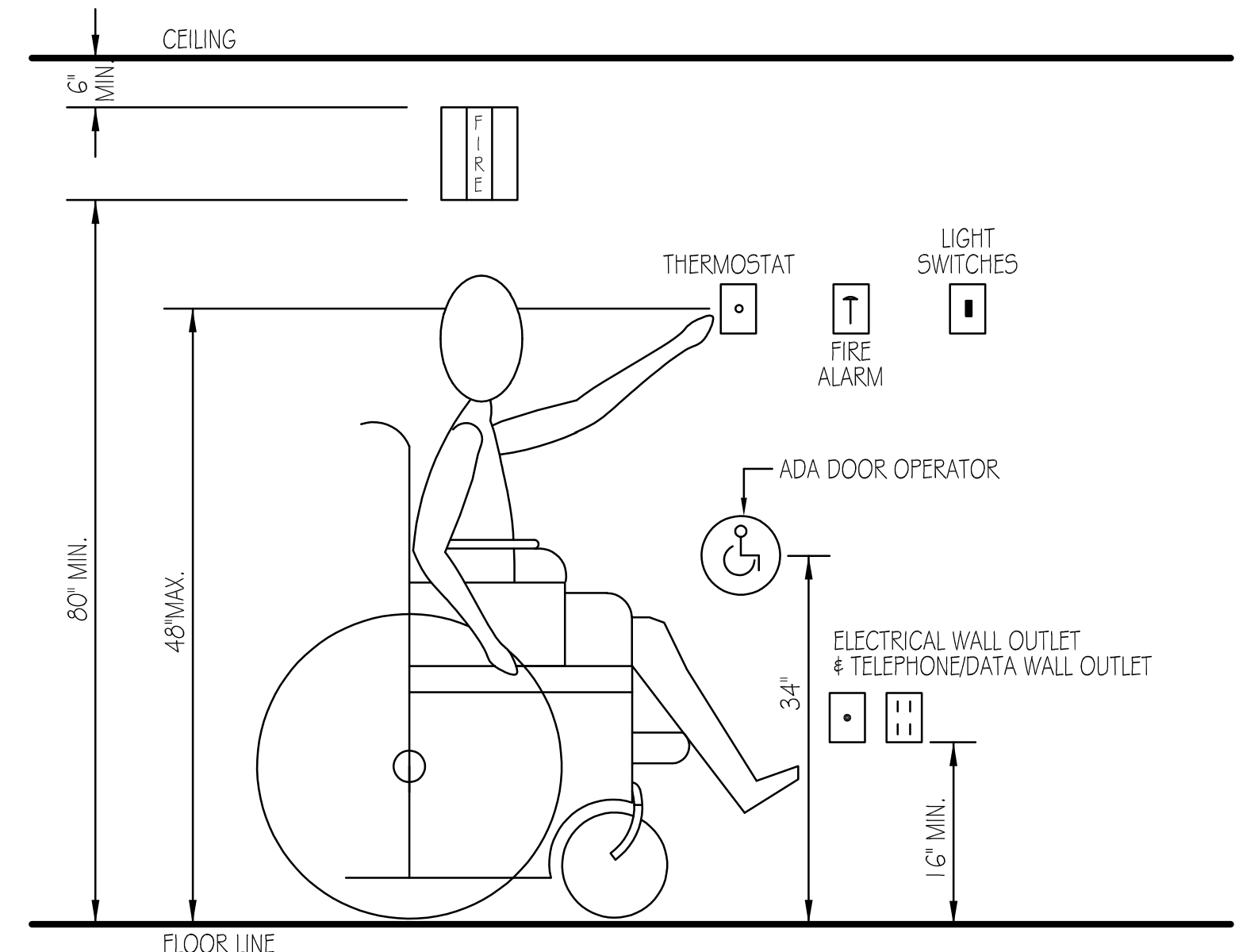


NOTE:
HOUSEKEEPING CURB REQUIRED AT ALL INTERIOR WALL LOCATIONS FOR SINGLE AND MULTIPLE RISERS. RISERS SHALL BE COUPLED SO THAT SINGLE RISERS ARE SIX FEET APART MIN.

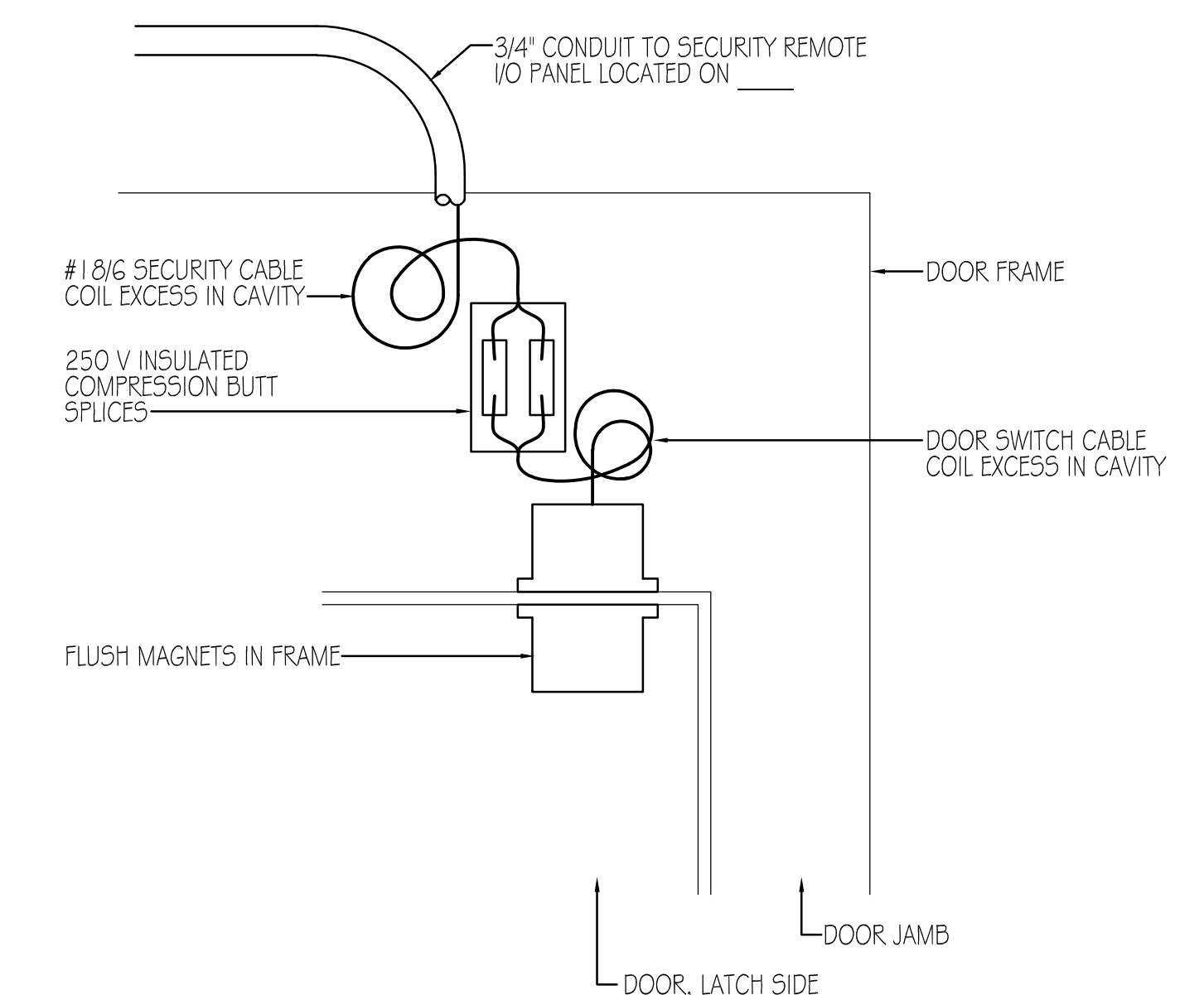
CONCRETE HOUSEKEEPING CURB DETAIL
SCALE: NONE



POWERED OVERHEAD DOOR DETAIL
SCALE: NONE



HANDICAPP MOUNTING HEIGHTS FOR ELECTRICAL DEVICES DETAIL
SCALE: NONE

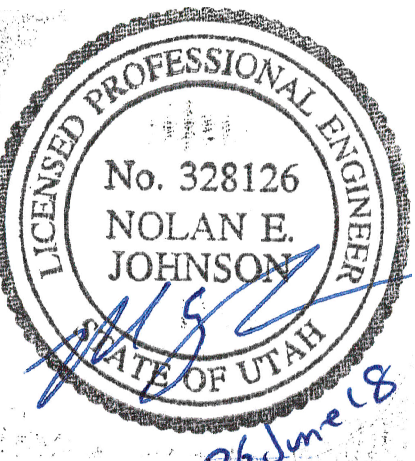


FLUSH DOOR SWITCH INSTALLATION DETAIL
SCALE: NONE

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PARTS STORAGE
SHED**
2010 RULON WHITE BOULEVARD,
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**ELECTRICAL
DETAILS**

E-502

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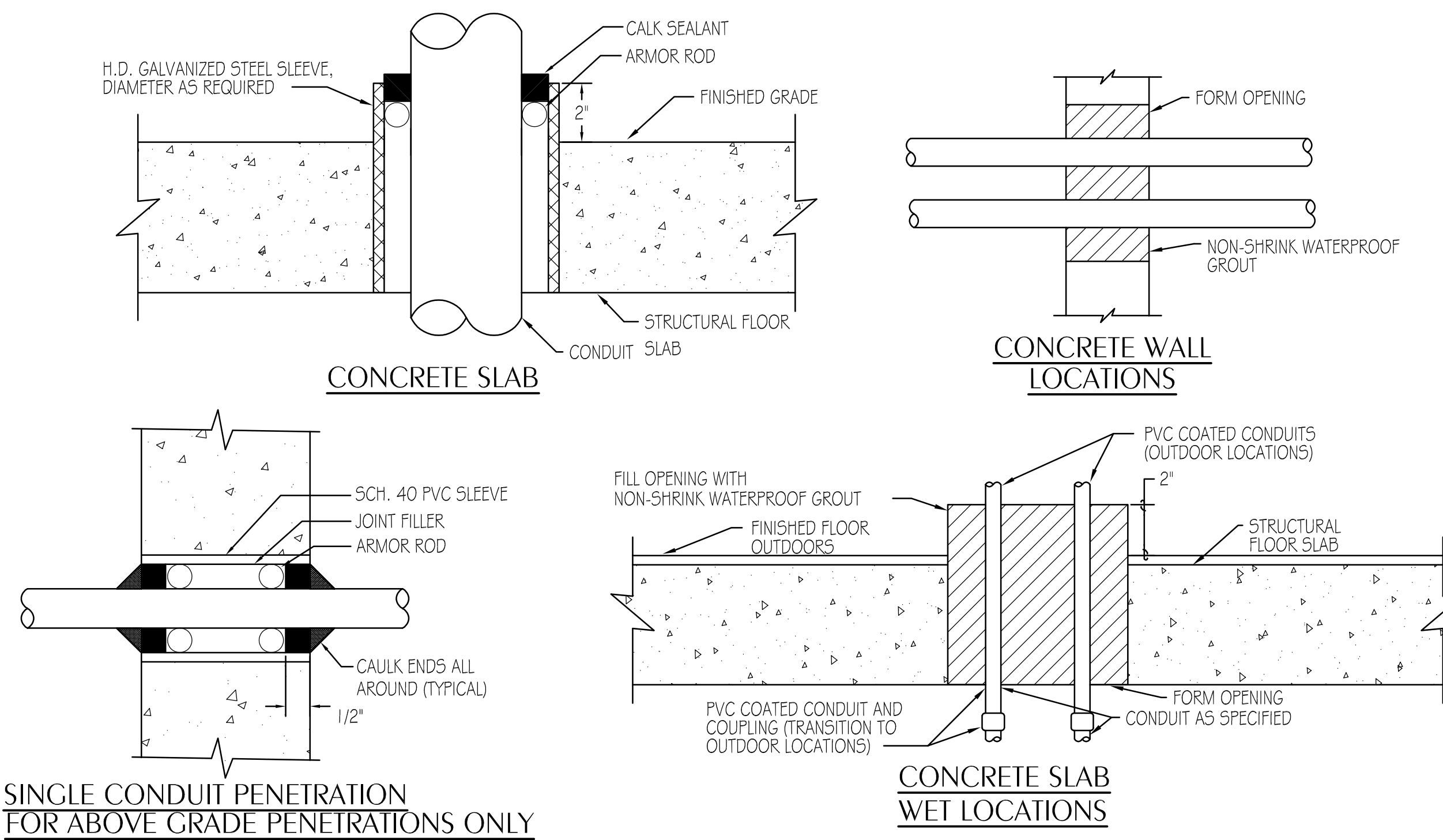
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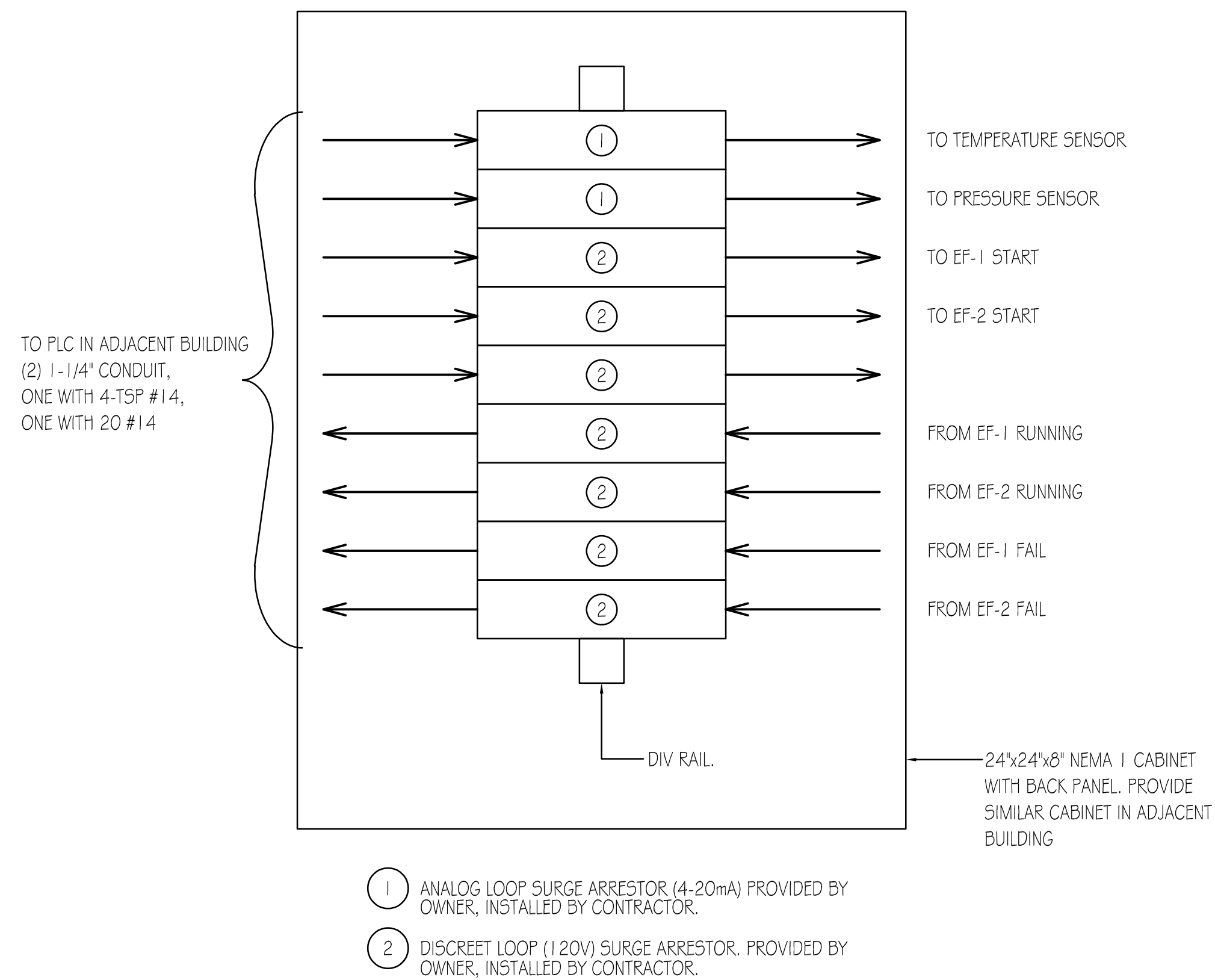
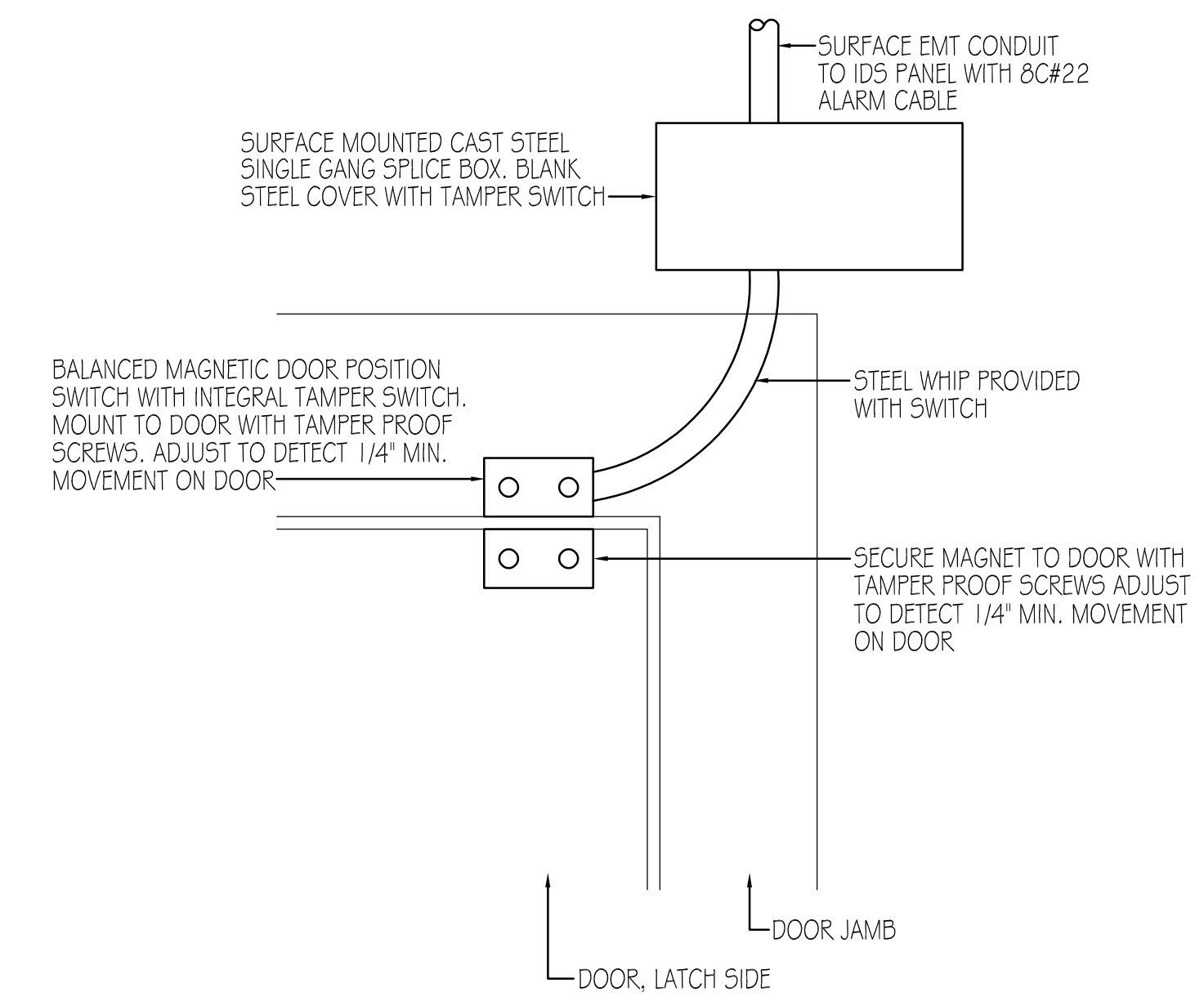
5 |



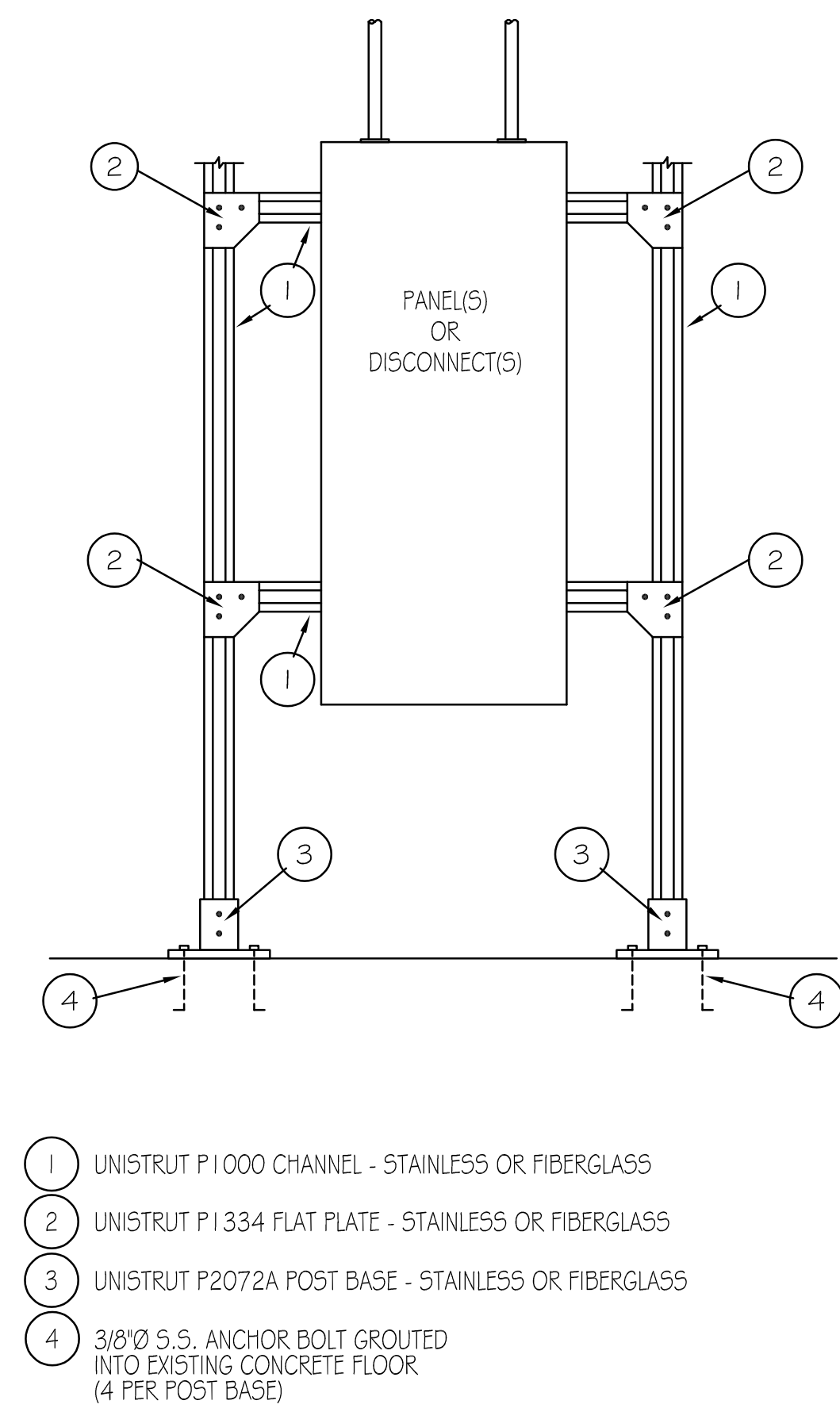
TYPICAL ABOVE GROUND CONDUIT PENETRATIONS FOR NEW WALLS/FLOORS

SCALE: NONE

3
E-503



4
E-503

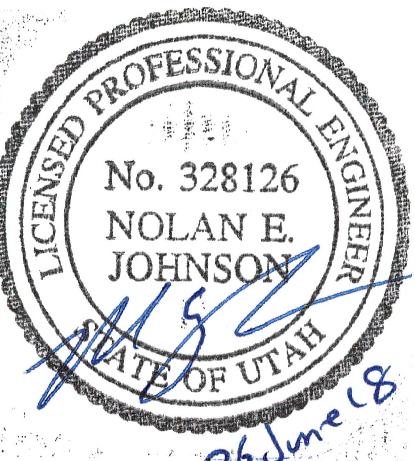


2
E-503

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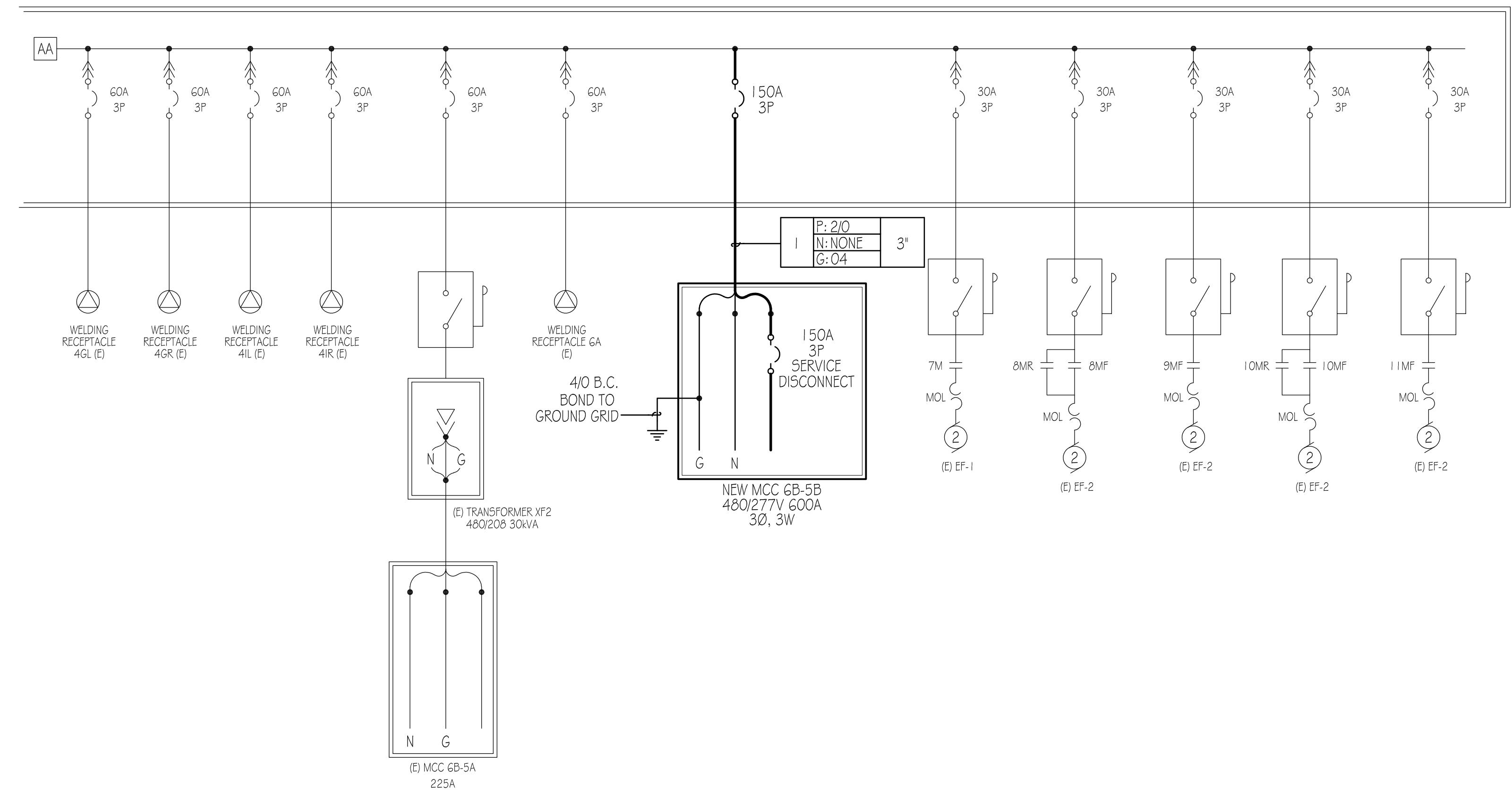
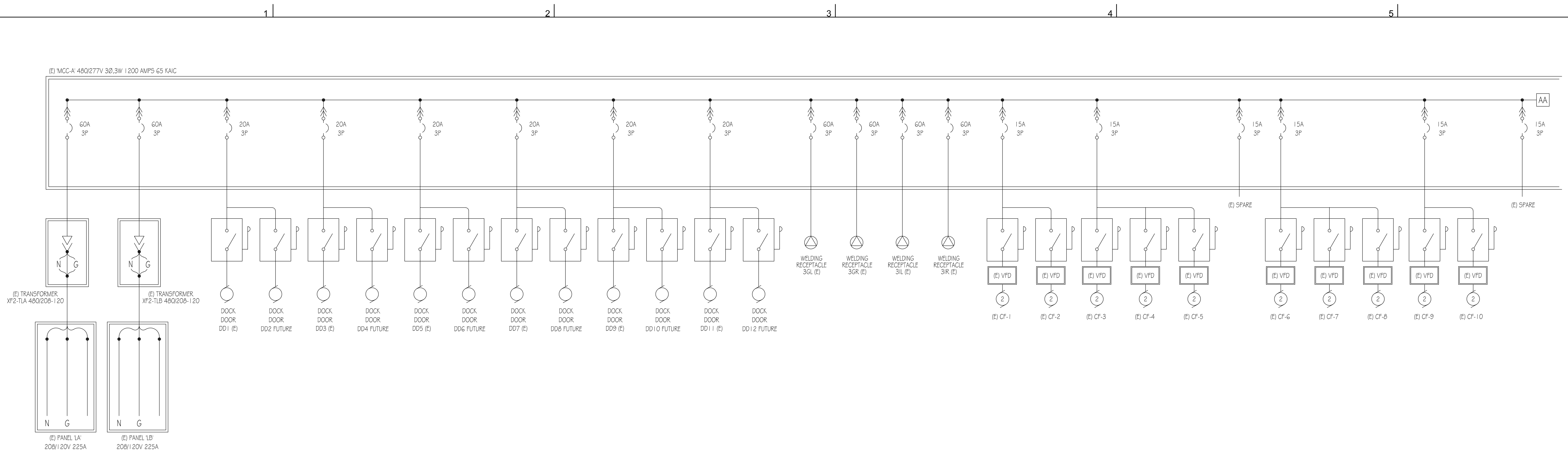
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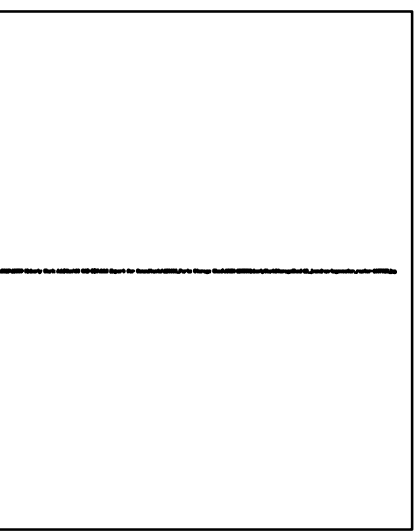
ELECTRICAL DETAILS

E-503

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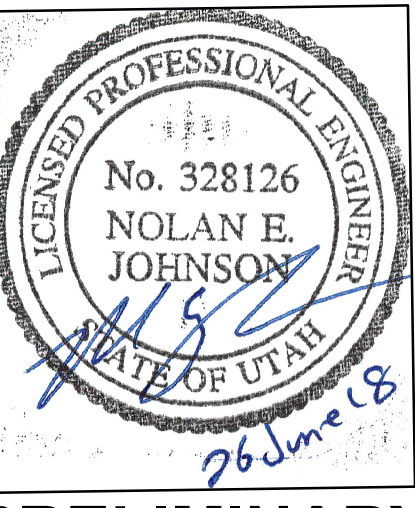
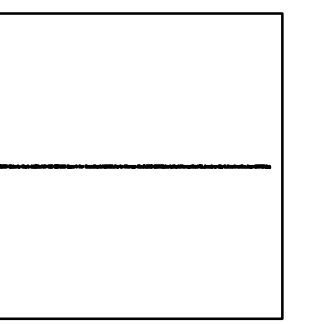
REMODEL ONE-LINE DIAGRAM
SCALE: NONE



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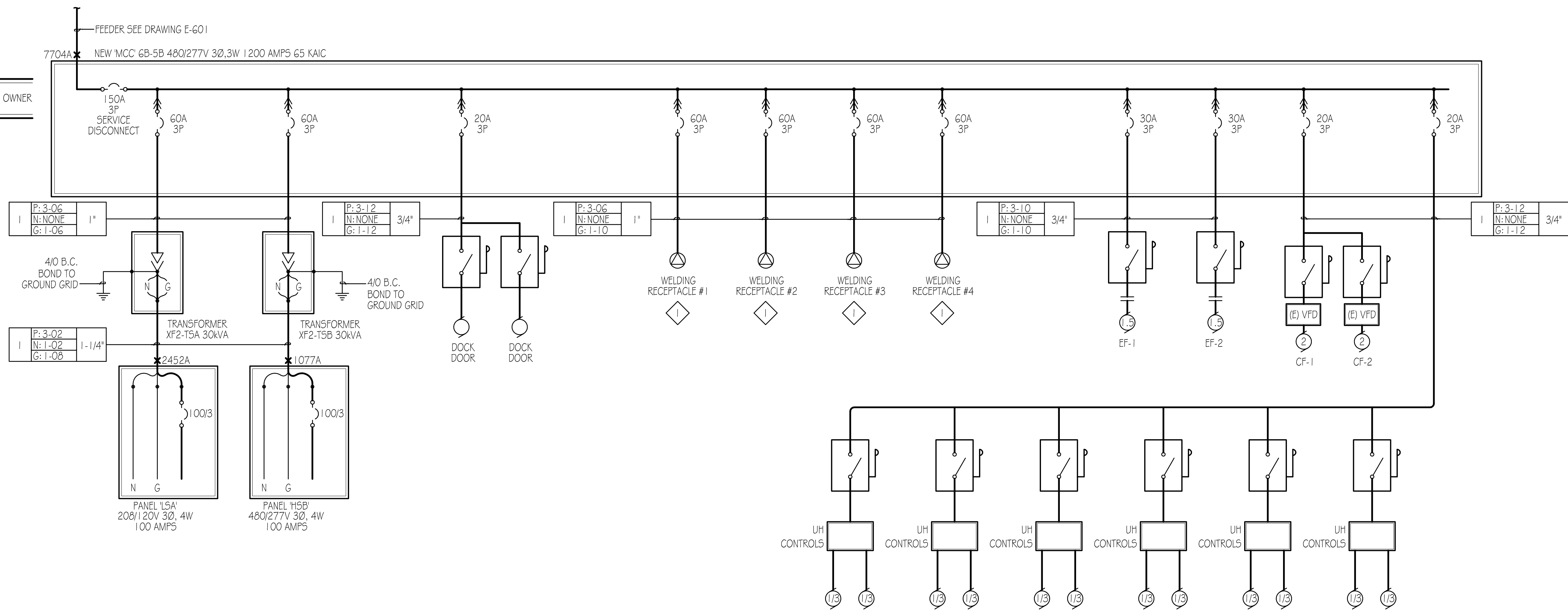
ELECTRICAL
ONE-LINE
DIAGRAM

E-601

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DRAWING NOTES

◇ COORDINATE EXACT RECEPTACLE REQUIREMENTS WITH OWNER



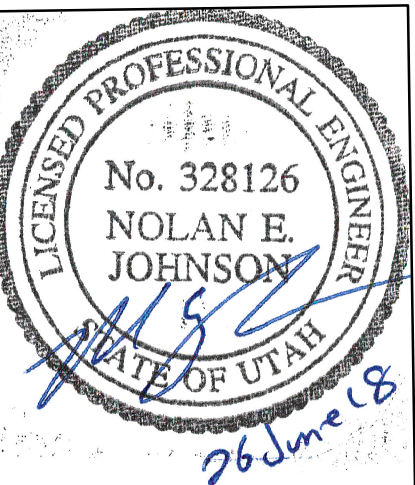
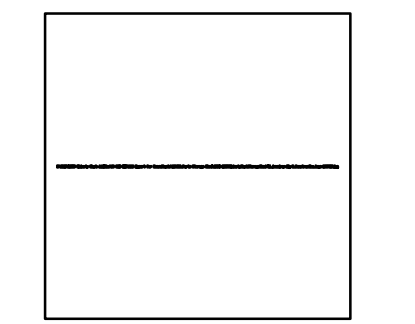
ONE-LINE DIAGRAM

SCALE: NONE

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**ELECTRICAL
REMODEL
ONE-LINE
DIAGRAM**

E-602

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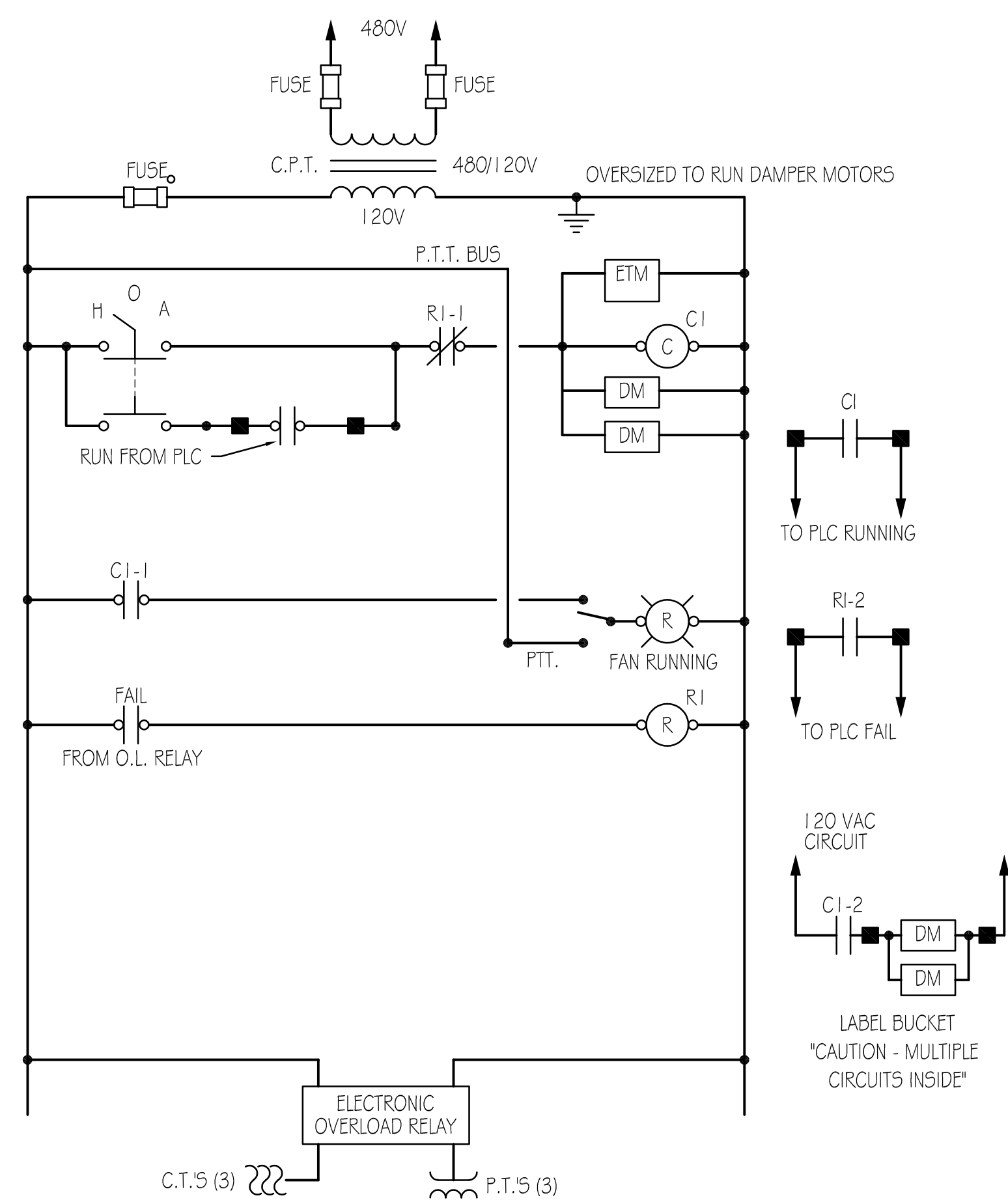
6

D

C

B

A



SEF CONTROL DIAGRAM

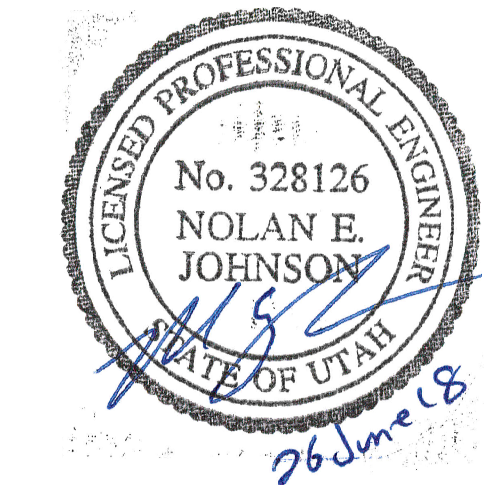
SCALE: NONE
TYPICAL OF WEF-1, WEF-2

LOCATED IN VFD

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ELECTRICAL CONTROL DIAGRAMS

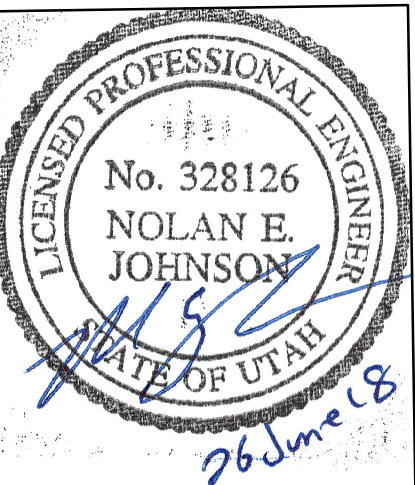
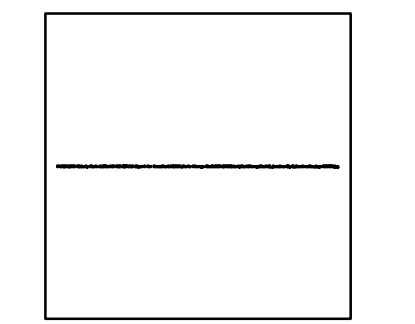
E-603

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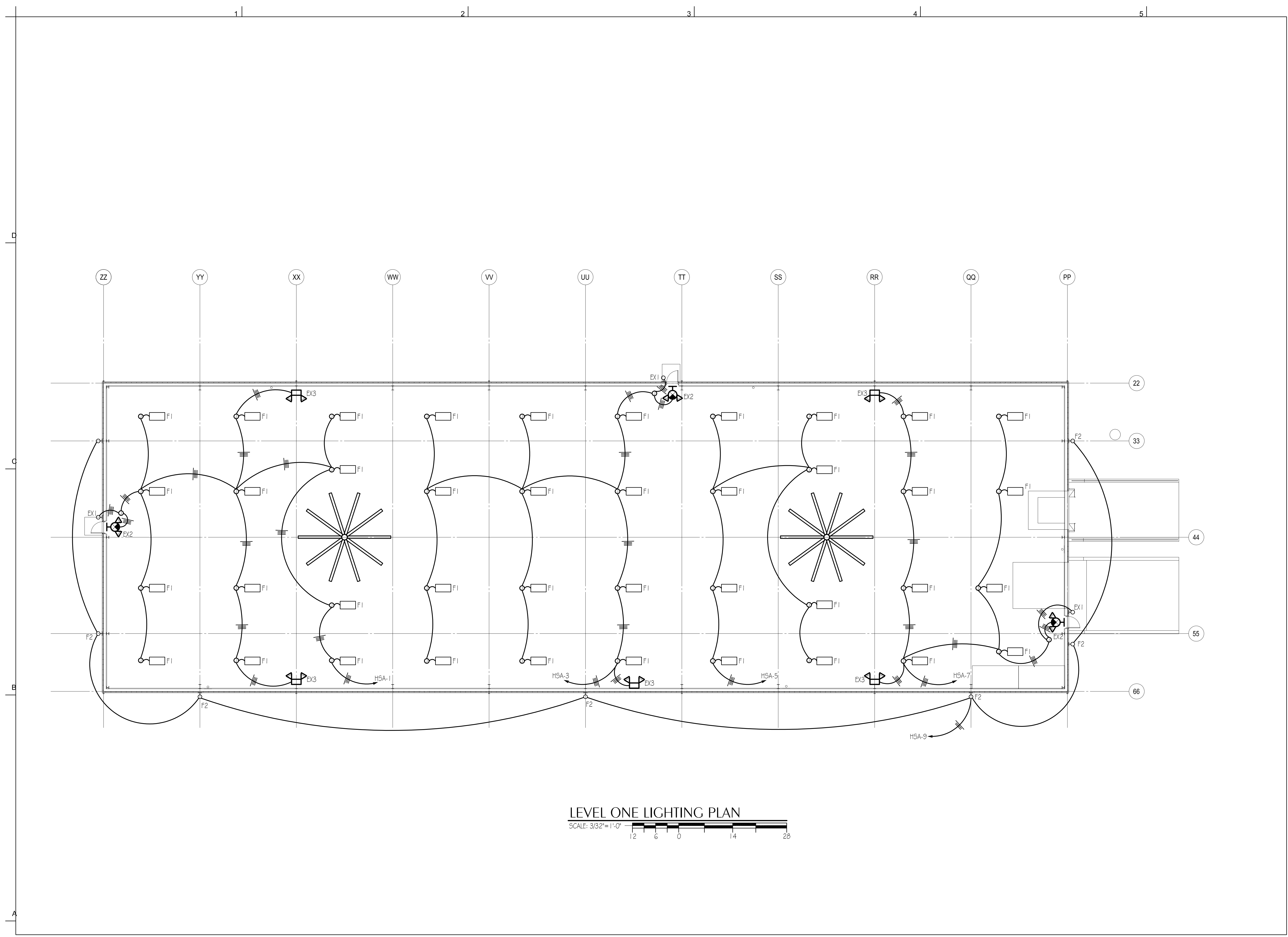


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LEVEL 01
LIGHTING PLAN

EL101

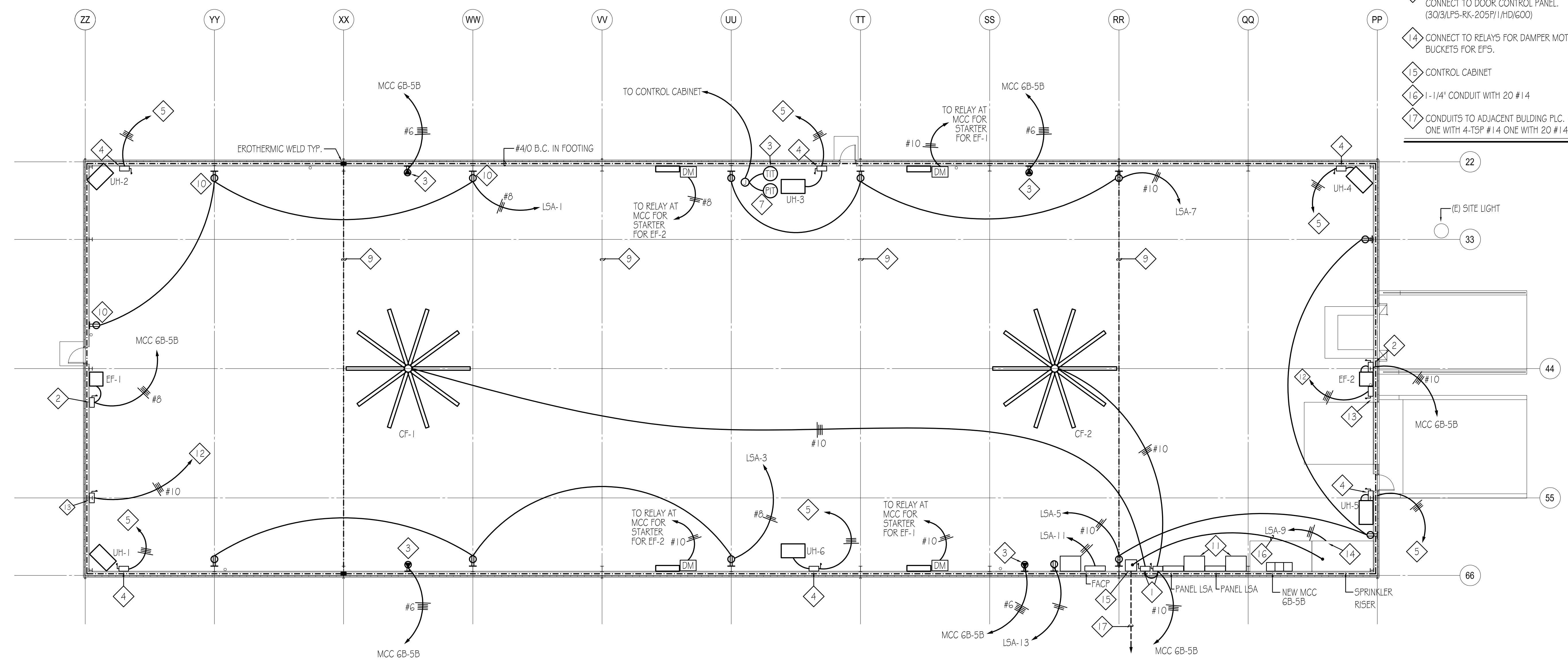


LEVEL ONE LIGHTING PLAN
 SCALE: 3/32" = 1'-0"

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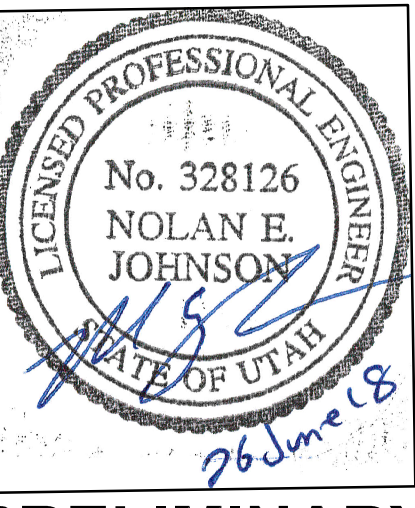
DRAWING NOTES

- 1 DISCONNECT, 30/3/LPN-RK-7.55P/HD/600 WITH VIEWING WINDOW. CONNECT TO FAN VIA VFD CONTROL UNIT.
- 2 DISCONNECT (30/3/LP5-RK-4.85P/4X/HD/600) MOUNT AS PER DETAIL WITH VIEWING WINDOW.
- 3 WELDING RECEPTACLE WITH INTEGRAL DISCONNECT
- 4 DISCONNECT, (30/3/LPN-RK-7.55P/1/HD/250).
- 5 TO U.H. CIRCUIT AT MCC 6B-5B
- 6 1-1/4" CONDUIT WITH (4)-TSP #14.
- 7 PRESSURE INDICATOR TRANSMITTER. SEE SPECS
- 8 TEMPERATURE INDICATOR TRANSMITTER. SEE SPECS.
- 9 #4/0 B.C. BENEATH FLOOR. BOND TO REBAR AND BUILDING COLUMN AT EACH COLUMN WITH #4/0 B.C.
- 10 GFCI+4Ø
- 11 TRANSFORMER
- 12 TO DOCK DOOR CIRCUIT AT MCC-6B-5B
- 13 FUSED DISCONNECT SWITCH WITH VIEWING WINDOW. CONNECT TO DOOR CONTROL PANEL. (30/3/LP5-RK-205P/1/HD/600)
- 14 CONNECT TO RELAYS FOR DAMPER MOTORS AT STARTER BUCKETS FOR EF5.
- 15 CONTROL CABINET
- 16 1-1/4" CONDUIT WITH 2Ø #14
- 17 CONDUITS TO ADJACENT BUILDING PLC. (2) 1-1/4" CONDUIT ONE WITH 4-TSP #14 ONE WITH 2Ø #14



LEVEL ONE POWER PLAN
SCALE: 3/32"=1'-0"

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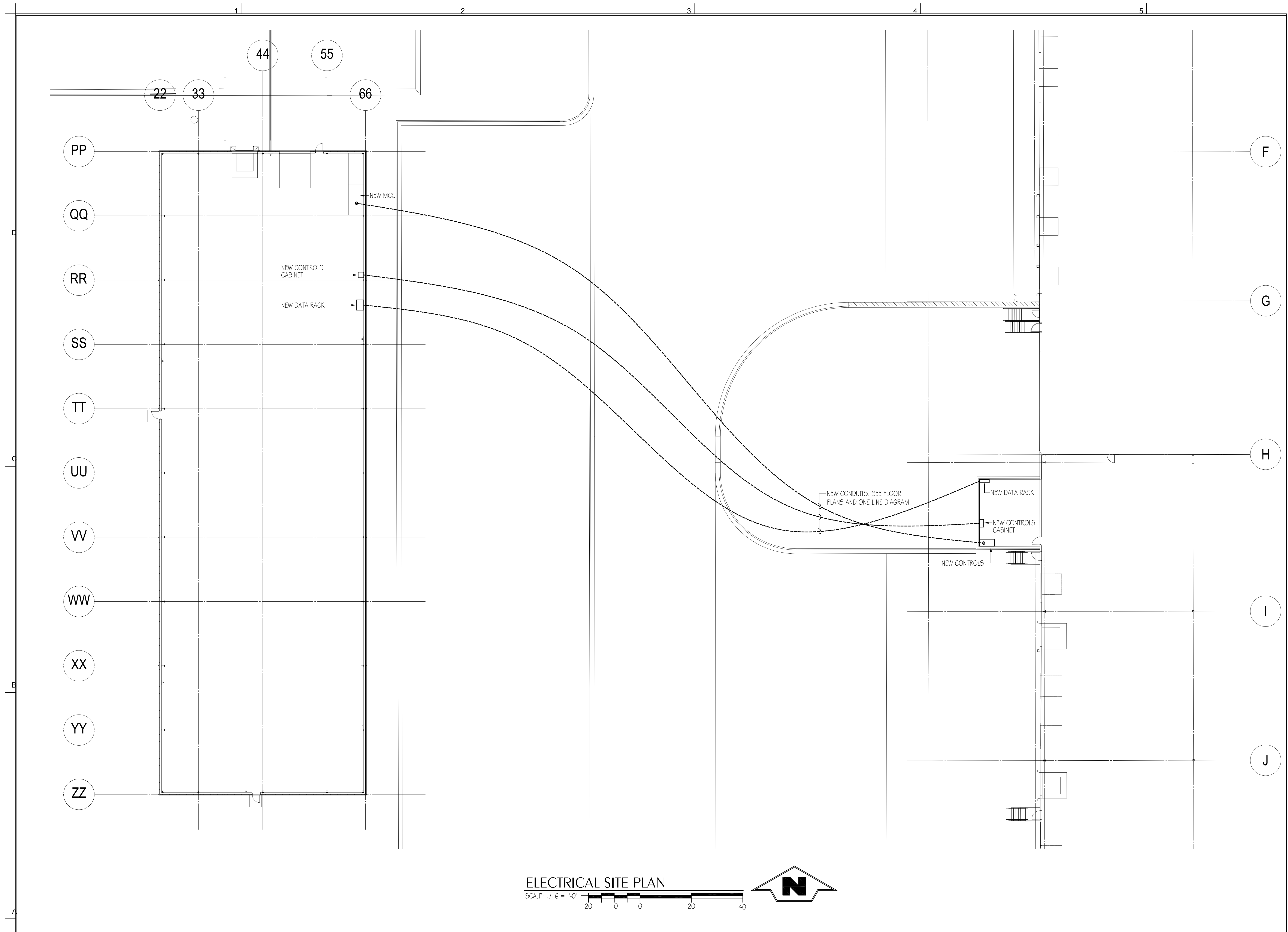
LEVEL 01
POWER PLAN

EP101

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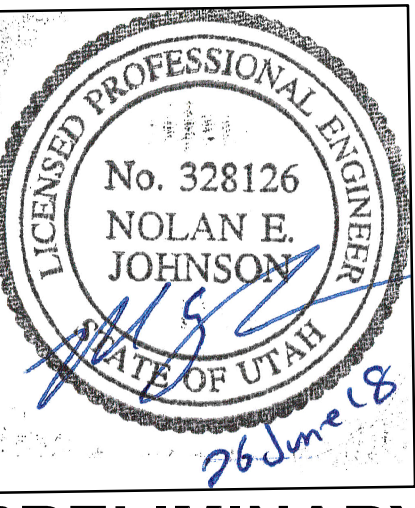


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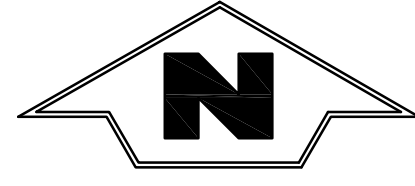
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ELECTRICAL
SITE PLAN

ES101

ELECTRICAL SITE PLAN

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



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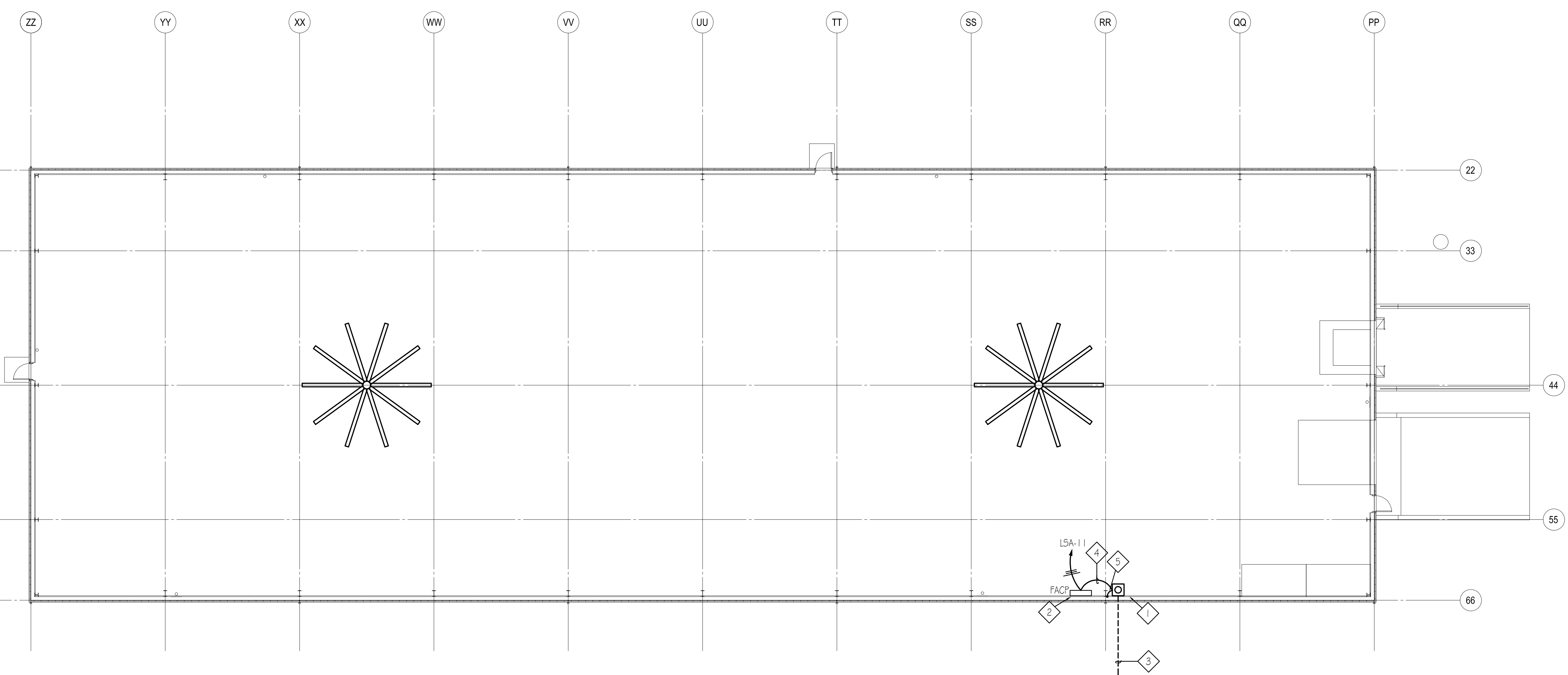
1 | 2 | 3 | 4 | 5 |

DRAWING NOTES

- 1 NEW DATA RACK BY OWNER.
- 2 NEW FIRE ALARM CABINET 36"W x 48"H x 16"D. PANEL DEVICES TO BE INSTALLED BY FIRE ALARM CONTRACTOR.
- 3 1-1/2" CONDUIT WITH PULL LINE FOR FIBER OPTIC COMMUNICATIONS. TO EXISTING FIBER RACK. IN EXISTING WAREHOUSE
- 4 3/4" CABLE WITH CAT 6 CABLE.
- 5 #6 B.C. TO GROUND GRID. CONNECT TO RACK

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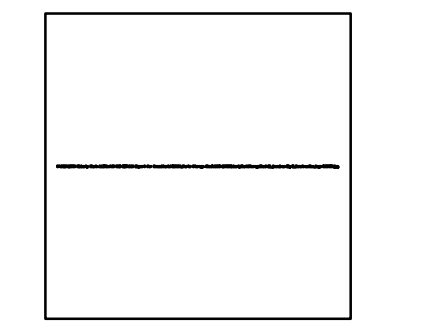
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LEVEL ONE SECURITY/DATA PLAN

SCALE: 3/32" = 1'-0"

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LEVEL 01
SECURITY /
DATA PLAN

EX101

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