

SYRACUSE HANCOCK INTERNATIONAL AIRPORT

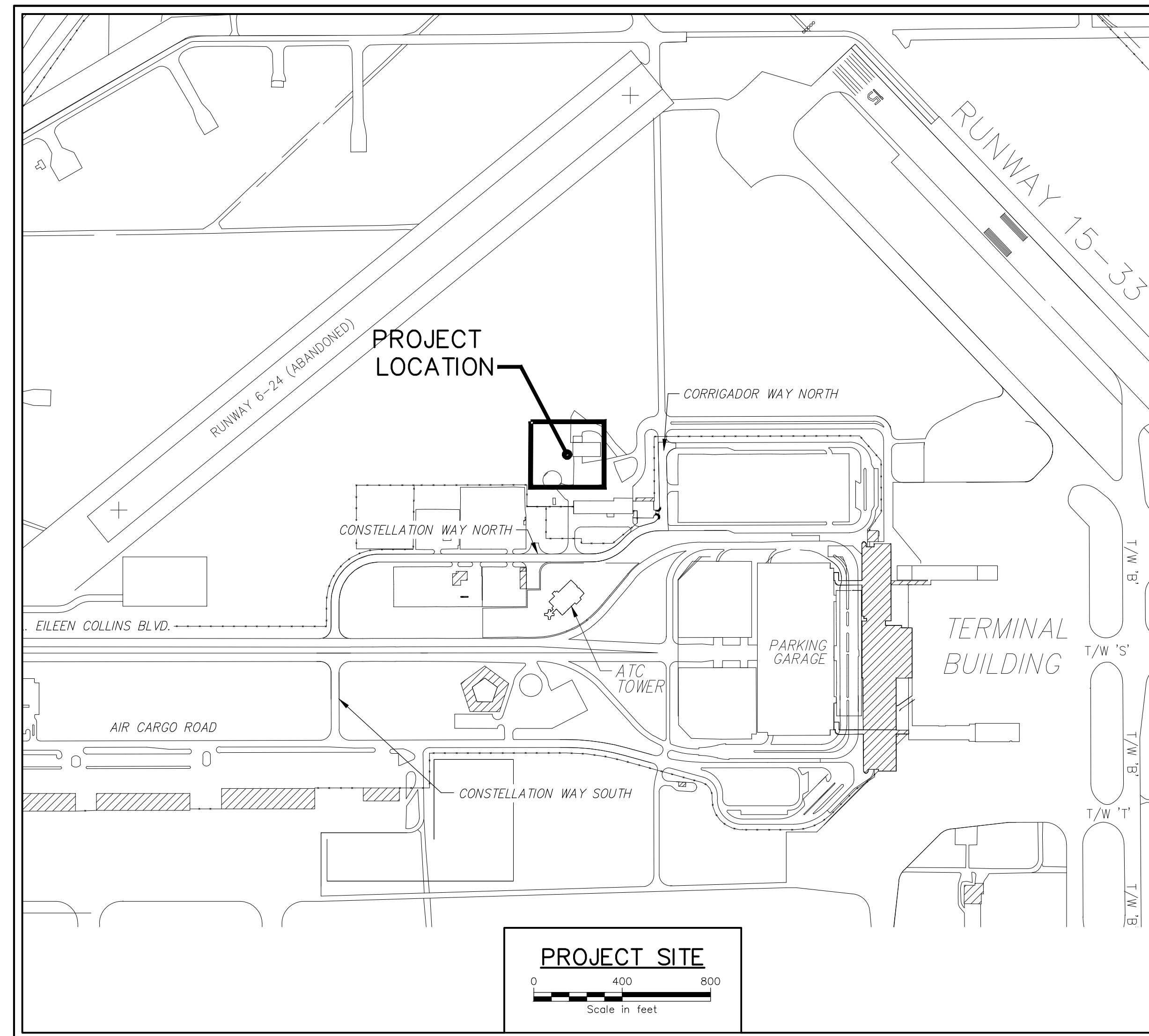
SYRACUSE REGIONAL AIRPORT AUTHORITY (SRAA)

STATE OF NEW YORK

AIRFIELD EQUIPMENT COLD STORAGE BUILDING

H. JASON TERRERI
EXECUTIVE DIRECTOR

BEN WALSH
MAYOR



DRAWING INDEX	
SHEET NUMBER	SHEET LIST
T-001	TITLE SHEET AND DRAWING INDEX
C-001	SITE PLAN
C-101	GRADING AND DRAINAGE PLAN
S-100	FOUNDATION PLAN & FLOOR PLAN
S-101	ROOF FRAMING PLAN AND DETAILS
S-102	SECTIONS
S-103	DETAILS
A-001	CODE REVIEW SET
A-101	FLOOR PLAN AND LIGHTING DETAILS
A-301	ELECTRICAL ELEVATIONS
A-501	SECTIONS AND DETAILS
A-901	DOOR AND HARDWARE, SCHEDULES AND DETAILS
M-100	MECHANICAL PLAN, SCHEDULES AND DETAILS
E-101	FLOOR PLAN AND LIGHTING PLAN
E-201	ELECTRICAL ELEVATIONS AND DETAILS
E-301	ELECTRICAL ELEVATIONS SINGLE LINE

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SYR
HANCOCK
INTERNATIONAL AIRPORT

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SYRACUSE, NY 13212

IT IS A VIOLATION OF LAW FOR ANY PERSON UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR SURVEYOR TO REPRODUCE OR ALTER ANY PART OF THIS DRAWING. IF THE SEAL OR STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE REASON, REASON FOR FOLLOWING BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

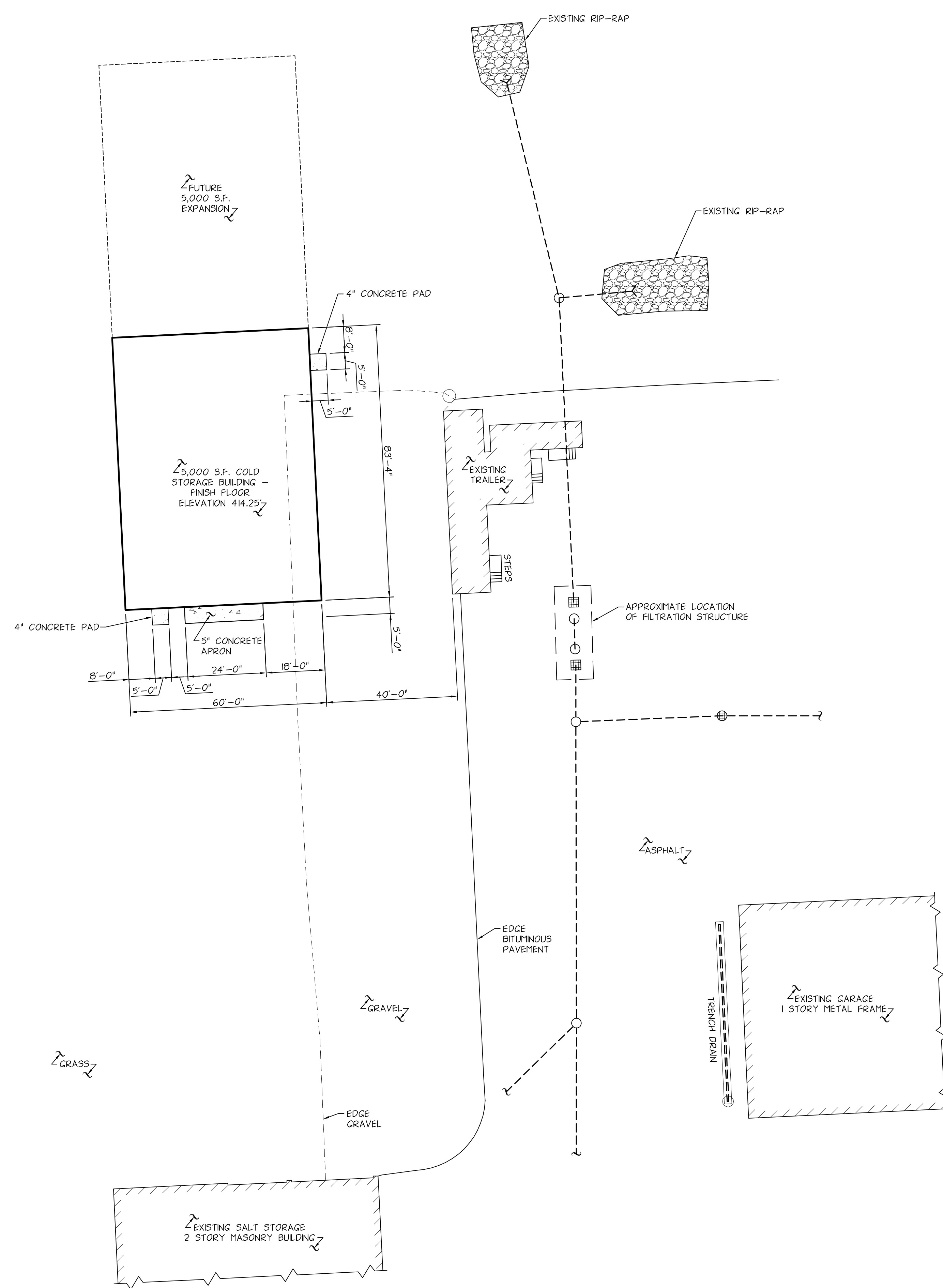
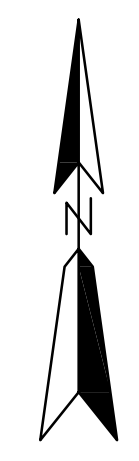
SYRACUSE HANCOCK
INTERNATIONAL AIRPORT
AIRFIELD EQUIPMENT
COLD STORAGE BUILDING

No.	Submittal / Revision	App'd	By	Date
1	Bid Set			3/16/20

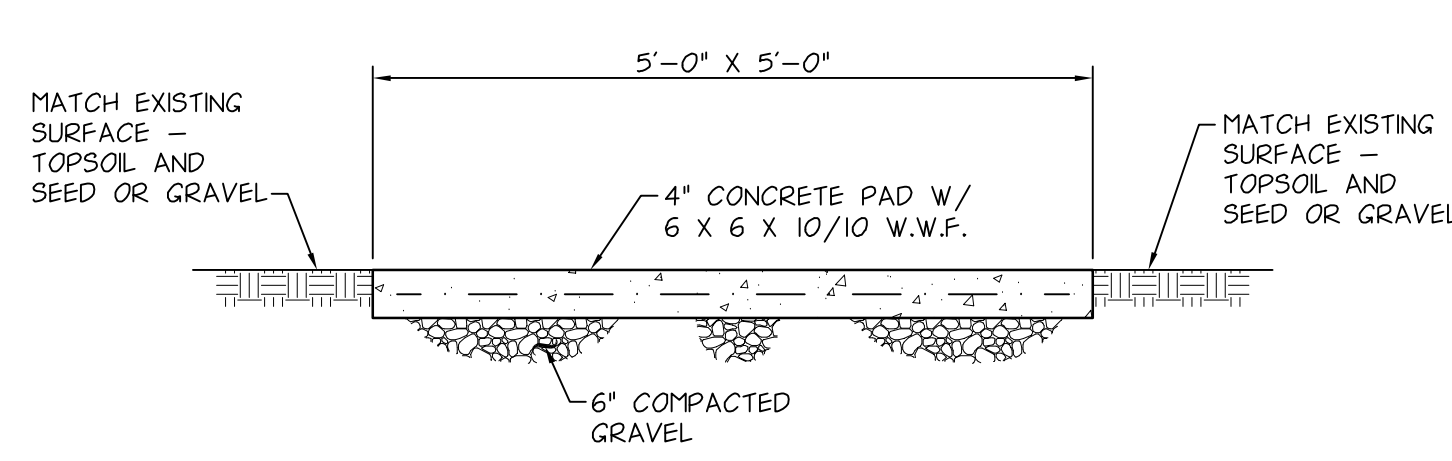
TITLE SHEET AND
DRAWING INDEX

Designed By:	Drawn By:	Checked By:
JPM	MJB	DJF
Issue Date:	Project No:	Scale:
3/16/20	57700	AS SHOWN

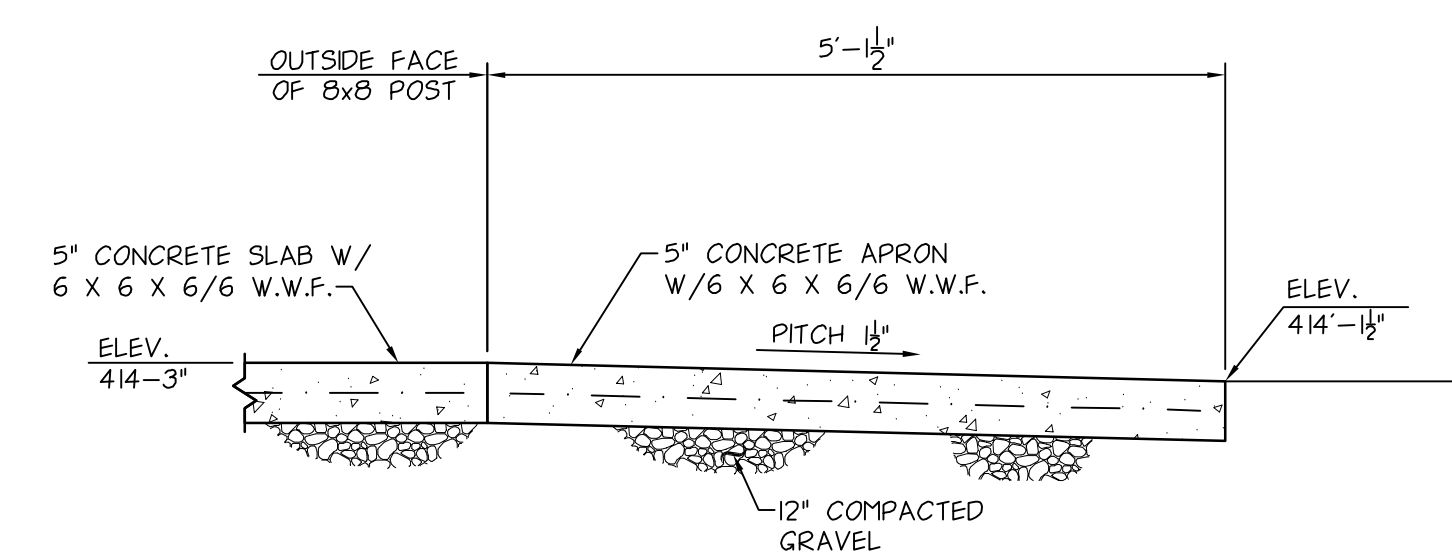
Drawing No.:
T-001



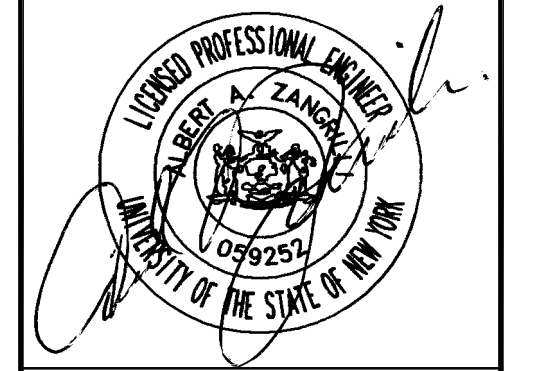
SITE PLAN
SCALE: 1" = 20'-0"



CONCRETE PAD DETAIL
SCALE: 3/4" = 1'-0"

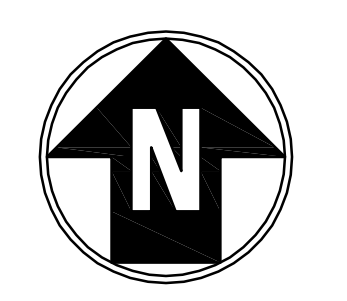


CONCRETE APRON DETAIL
SCALE: 3/4" = 1'-0"



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INTERNATIONAL AIRPORT
AIRFIELD EQUIPMENT
COLD STORAGE BUILDING

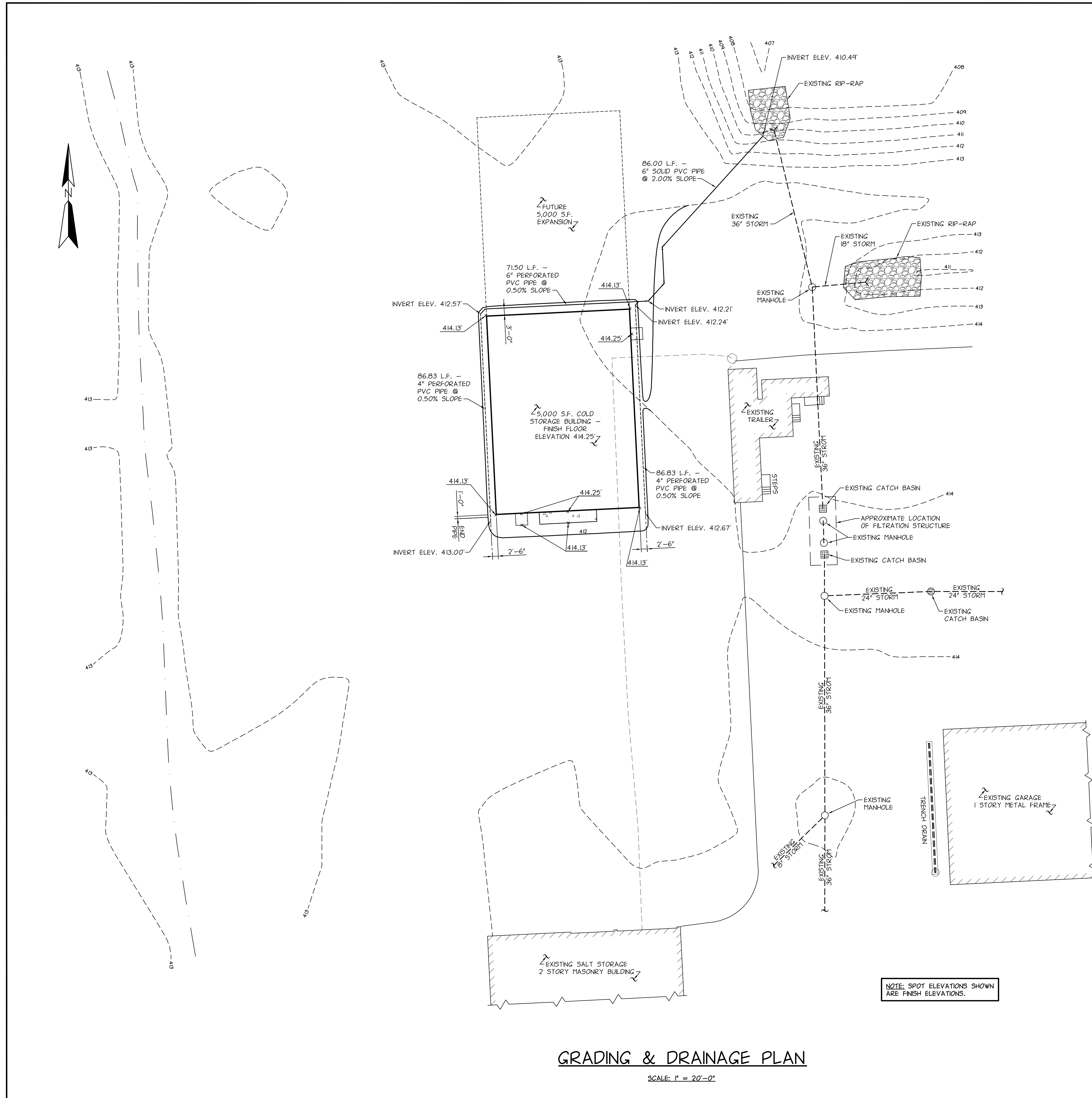


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1	ISSUED FOR BID			3/16/20

SITE PLAN

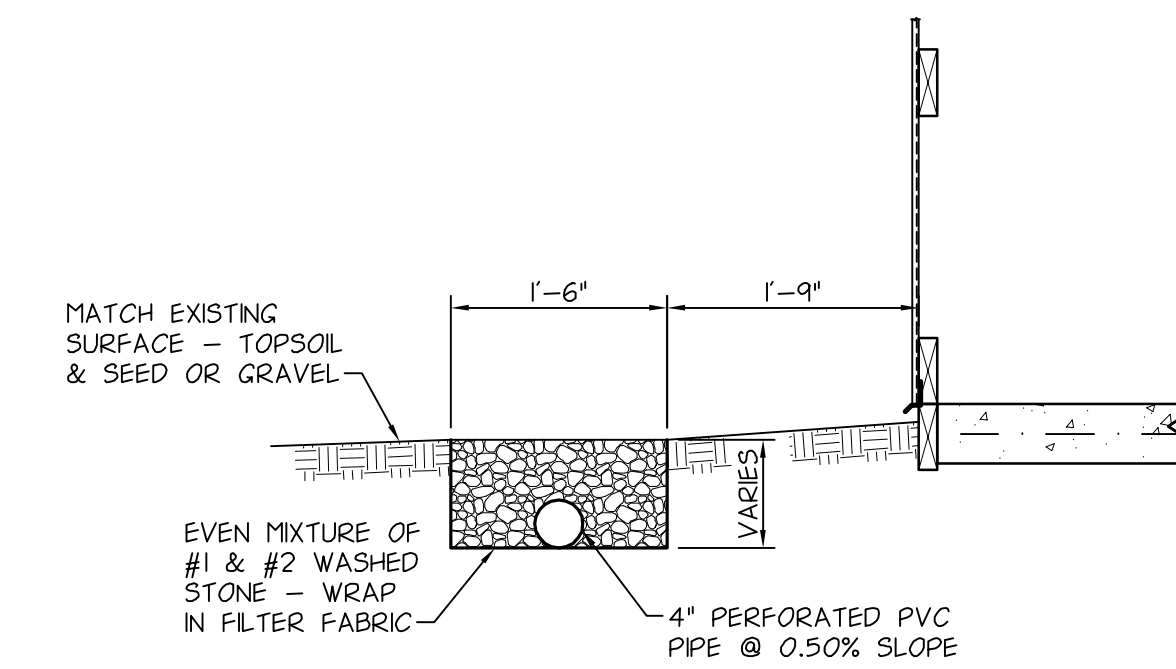
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Issue Date: 3/16/20	Project No: 57700	Scale: AS NOTED

Drawing No.:
C-100



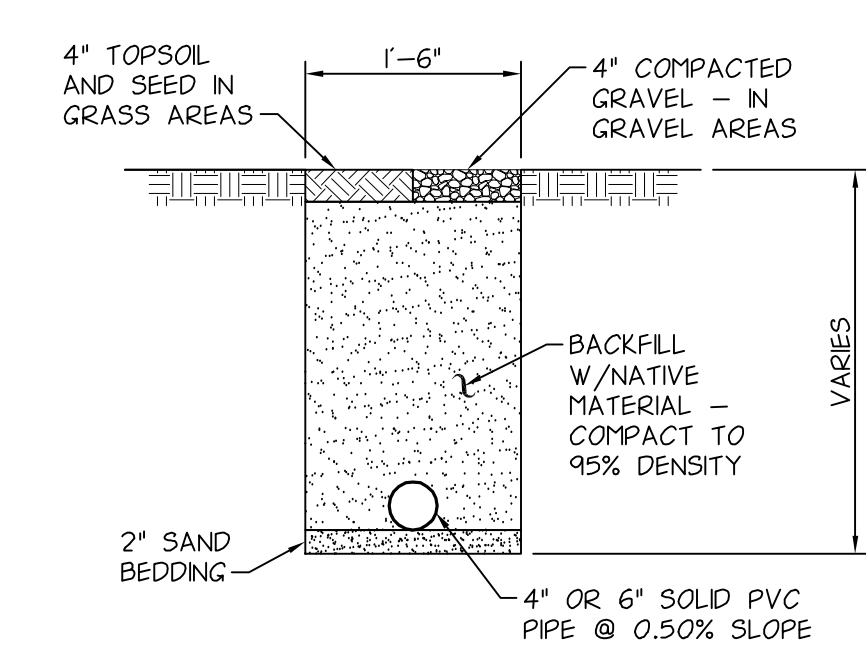
GRADING & DRAINAGE PLAN

SCALE: 1" = 20'-0"



EDGE DRAIN DETAIL

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



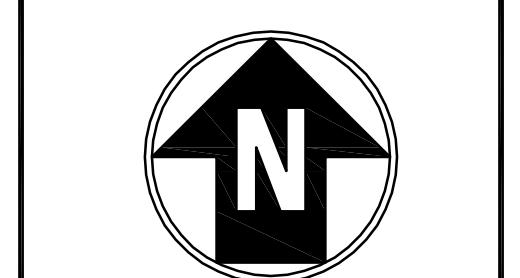
SOLID PIPE TRENCH DETAIL

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



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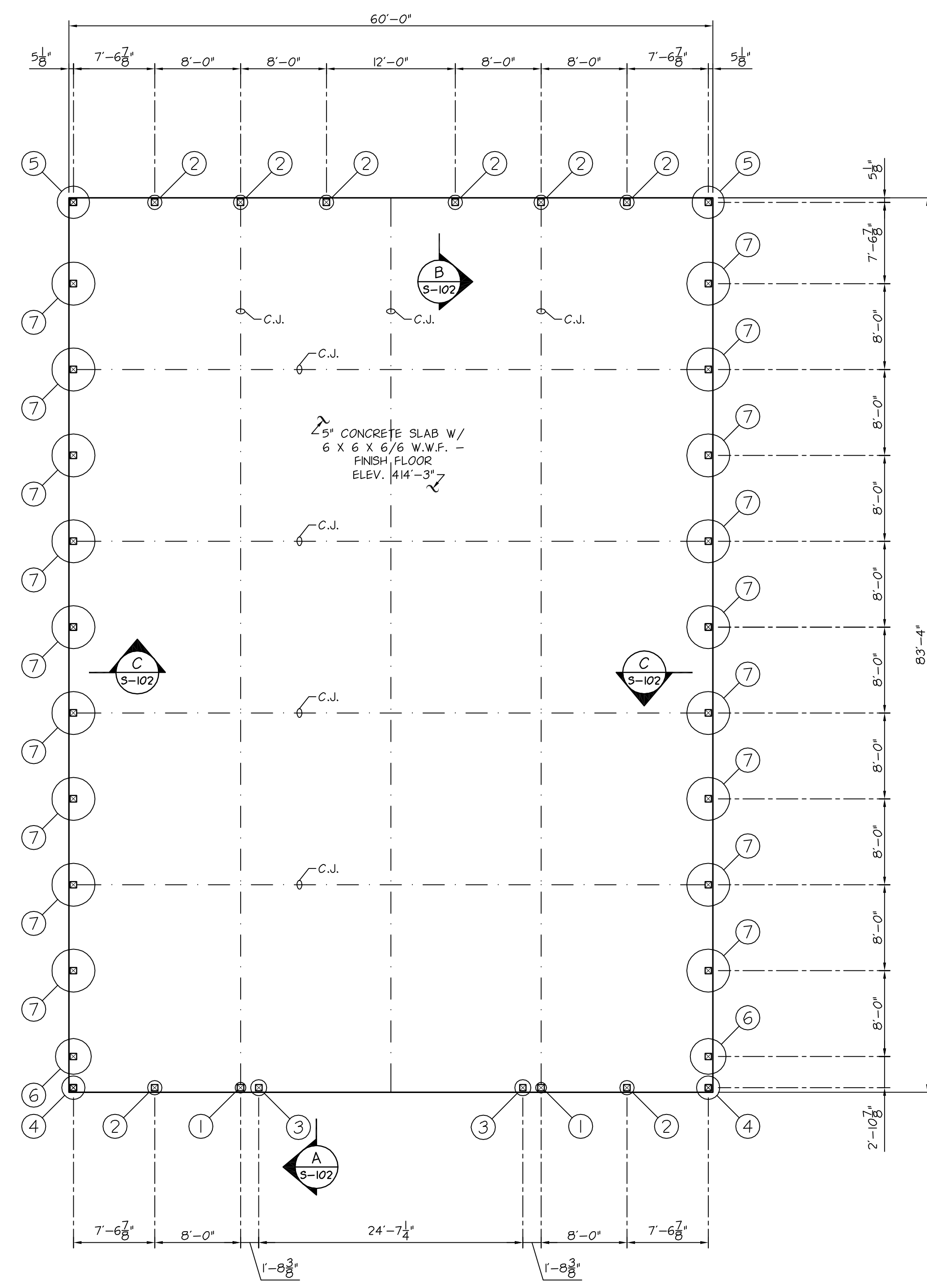
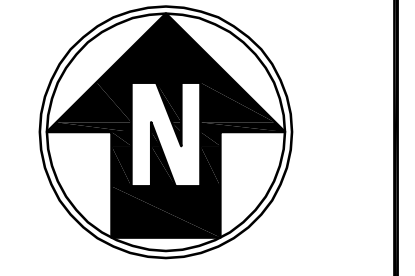
SYRACUSE HANCOCK
INTERNATIONAL AIRPORT
AIRFIELD EQUIPMENT
COLD STORAGE BUILDING



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GRADING AND DRAINAGE PLAN

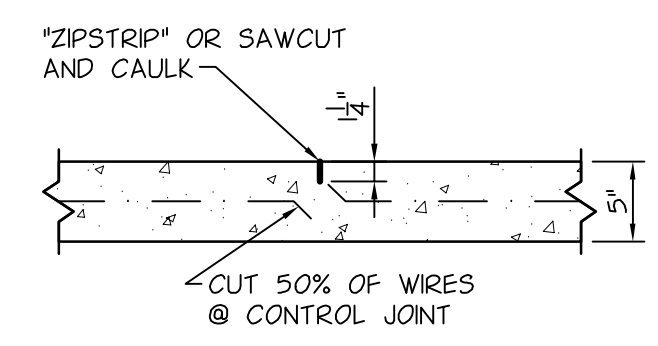
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Issue Date: 3/16/20	Project No: 57700	Scale: AS NOTED



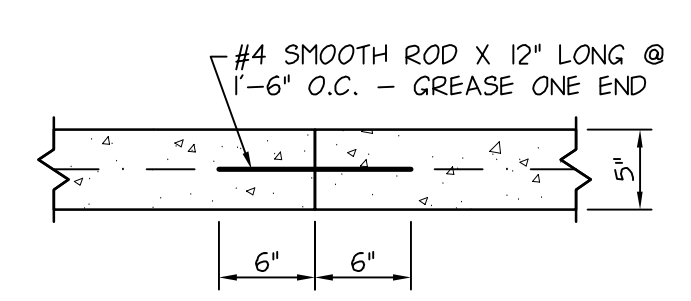
FOUNDATION PLAN

SCALE: 1/8" = 1'-0"

FOOTING SCHEDULE		
TYPE	SIZE	REINFORCING
①	12" DIAMETER X 3'-4" DEEP	4 - #5 BARS VERTICAL
②	16" DIAMETER X 3'-4" DEEP	6 - #5 BARS VERTICAL
③	18" DIAMETER X 3'-4" DEEP	8 - #5 BARS VERTICAL
④	26" DIAMETER X 3'-4" DEEP	12 - #6 BARS VERTICAL
⑤	36" DIAMETER X 3'-4" DEEP	18 - #7 BARS VERTICAL
⑥	40" DIAMETER X 3'-4" DEEP	20 - #7 BARS VERTICAL
⑦	48" DIAMETER X 3'-4" DEEP	22 - #8 BARS VERTICAL



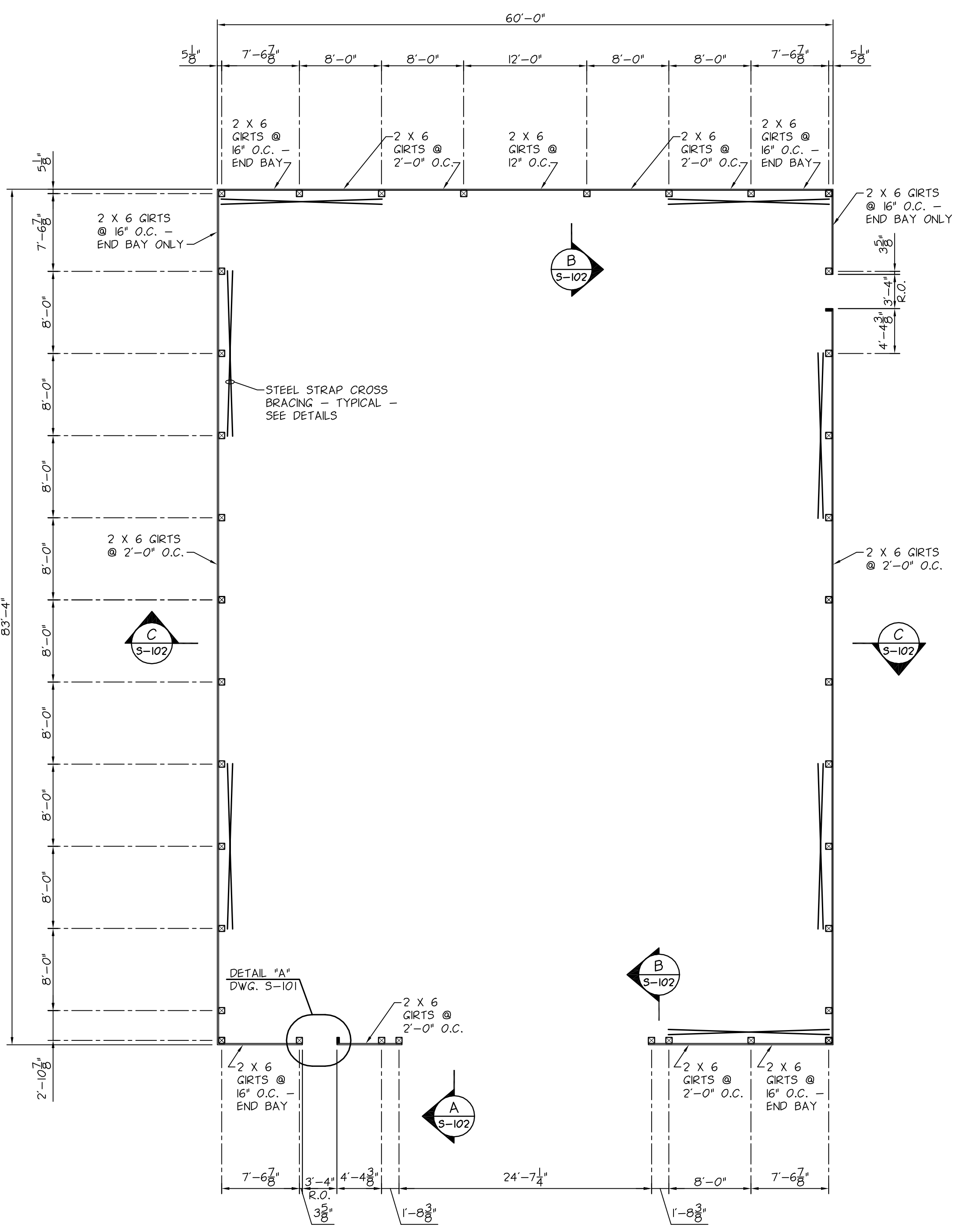
CONTROL JOINT



CONSTRUCTION JOINT

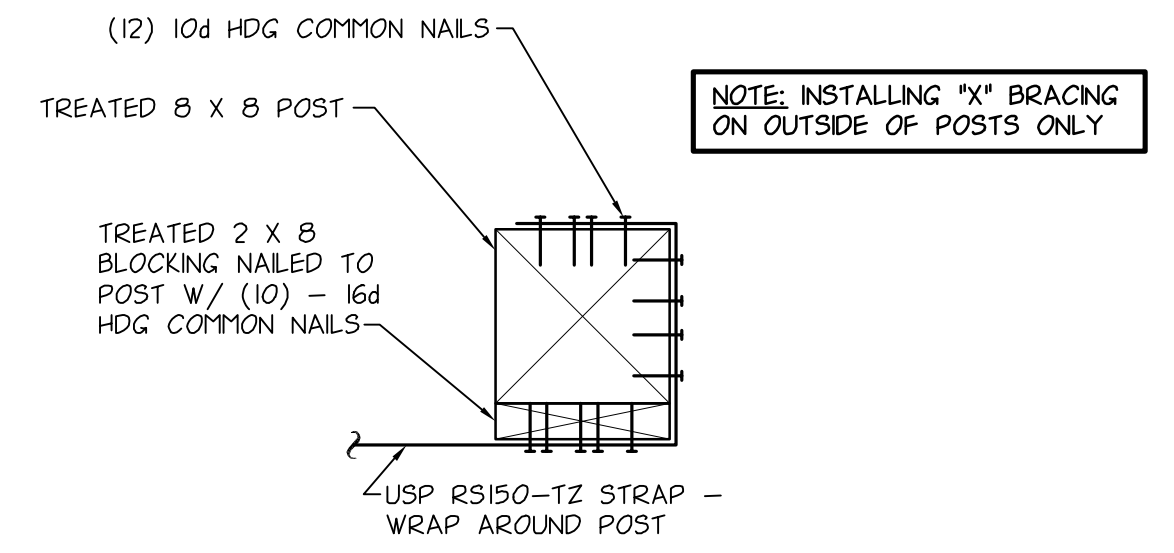
SLAB DETAILS

SCALE: 1" = 1'-0"



FLOOR PLAN

SCALE: 1/8" = 1'-0"



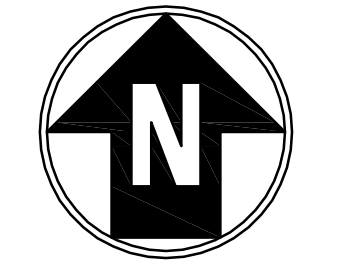
"X" BRACE CONNECTION DETAIL

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

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FOUNDATION PLAN & FLOOR PLAN

Designed By: AAZ	Drawn By: MRF	Checked By: AAZ
Issue Date: 3/16/20	Project No: 57700	Scale: AS NOTED

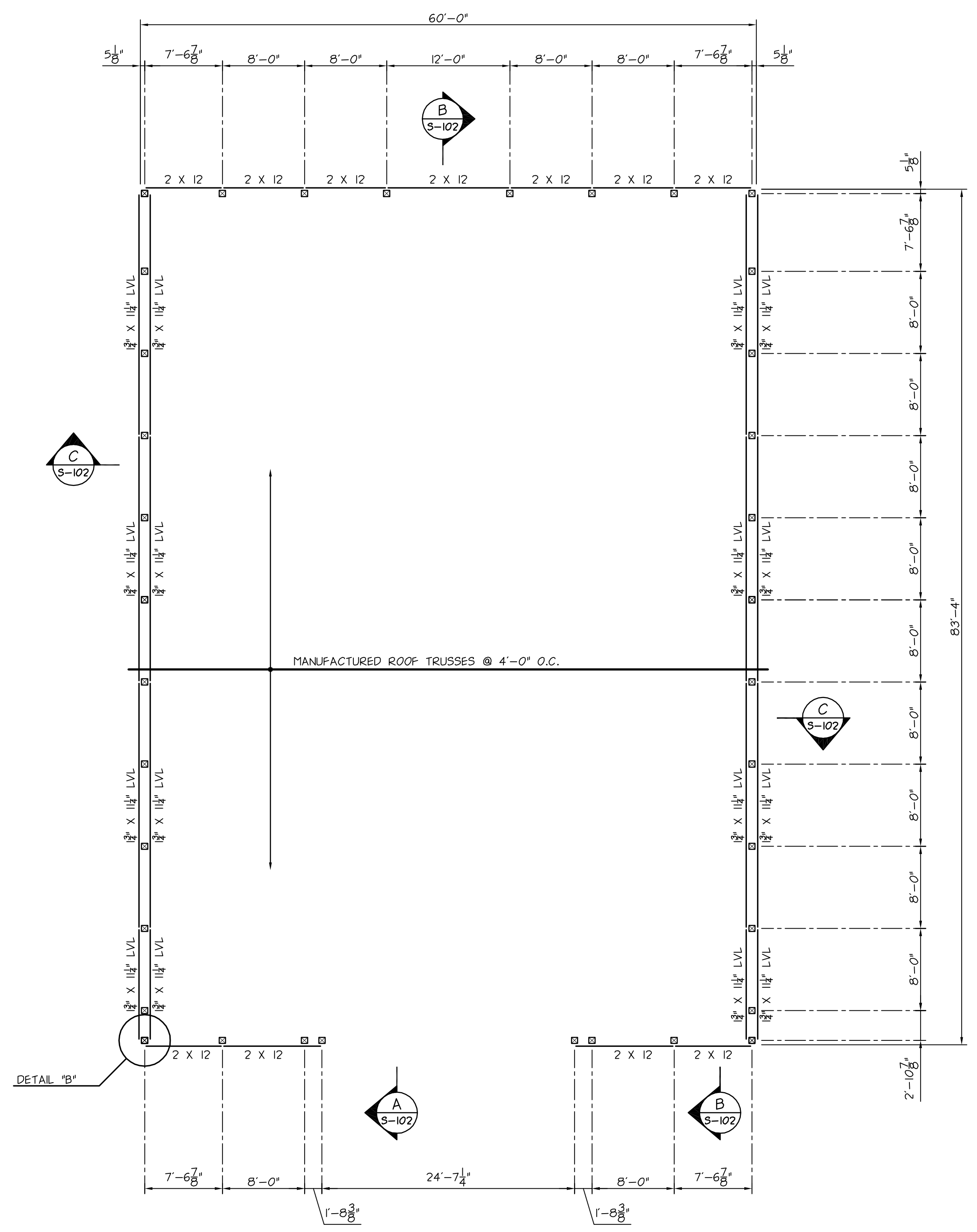


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ROOF FRAMING PLAN AND DETAILS

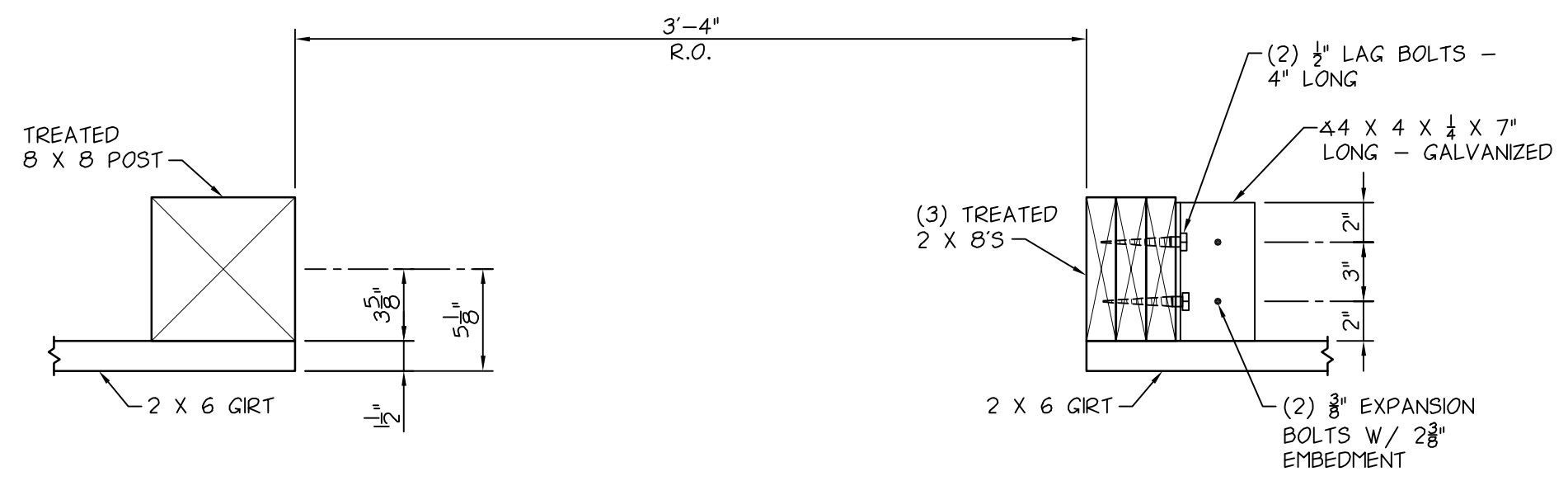
Designed By: AAZ	Drawn By: MRF	Checked By: AAZ
Issue Date: 3/16/20	Project No: 57700	Scale: AS NOTED

Drawing No.:
S-101



ROOF FRAMING PLAN

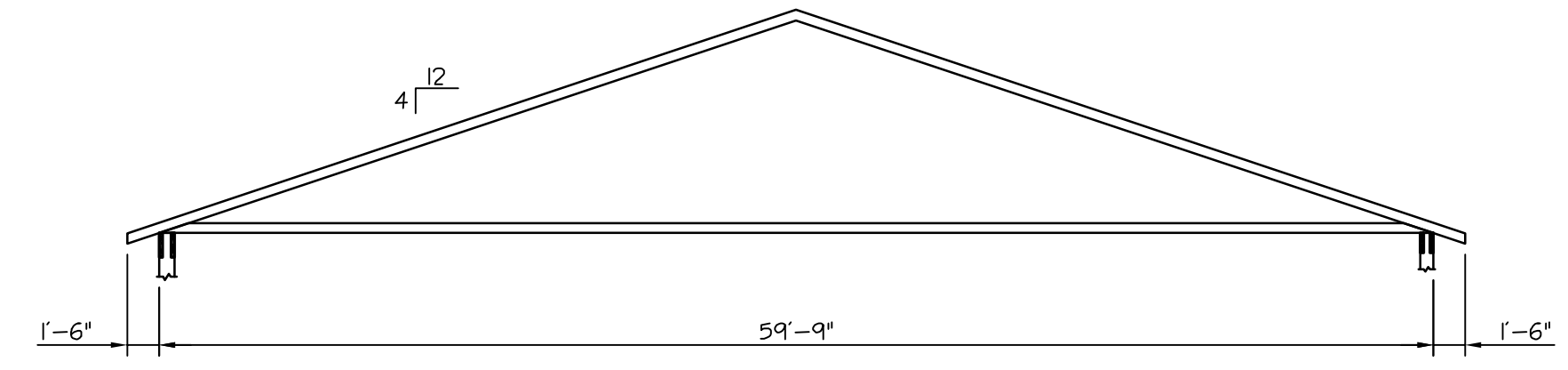
SCALE: 1/8" = 1'-0"



DETAIL "A"

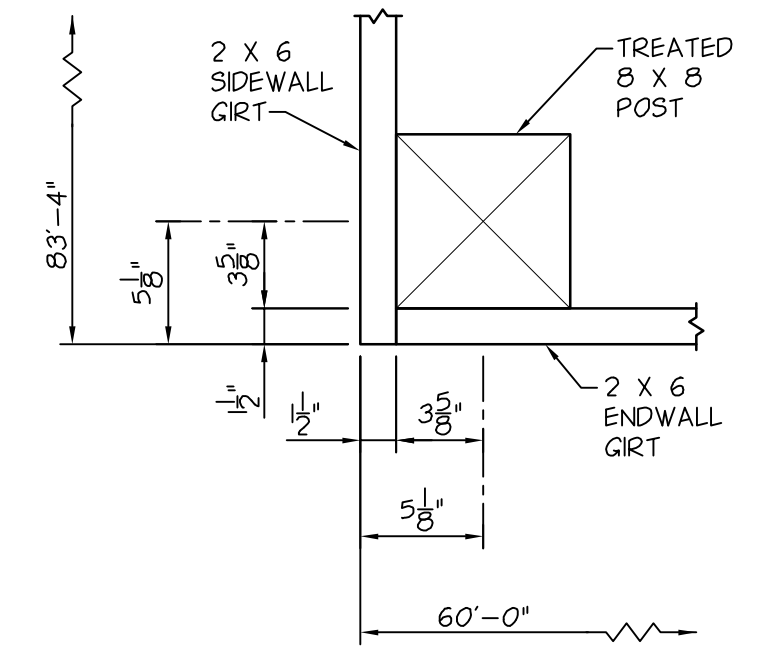
SCALE: 1 1/2" = 1'-0"

TRUSS DESIGN LOADS:
 TOP CHORD LIVE LOAD - 51 PSF, 204 PLF
 TOP CHORD DEAD LOAD - 7 PSF, 28 PLF
 BOTTOM CHORD DEAD LOAD - 5 PSF, 20 PLF

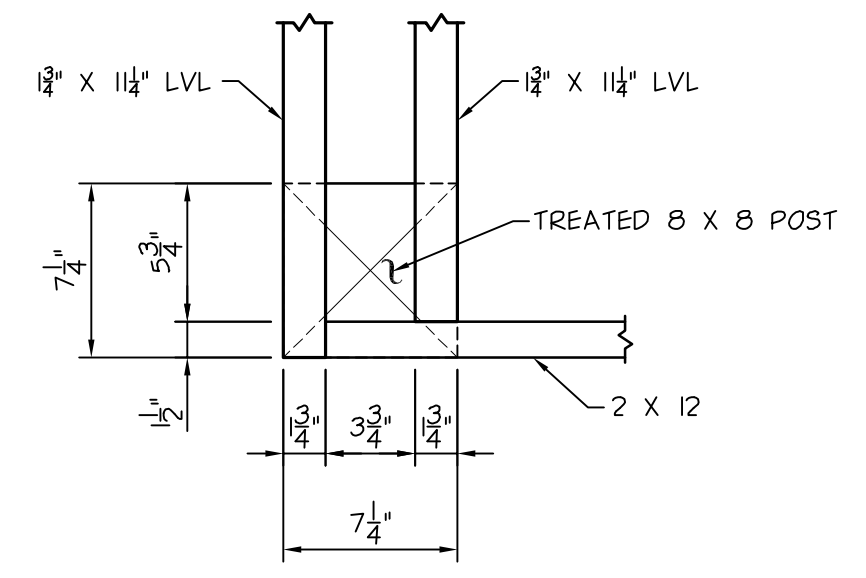


MANUFACTURED ROOF TRUSS DETAIL

SCALE: 1/8" = 1'-0"



AT GIRTS



AT BEAMS

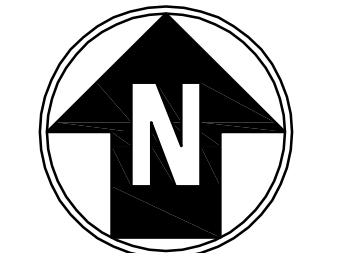
DETAIL "B"

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



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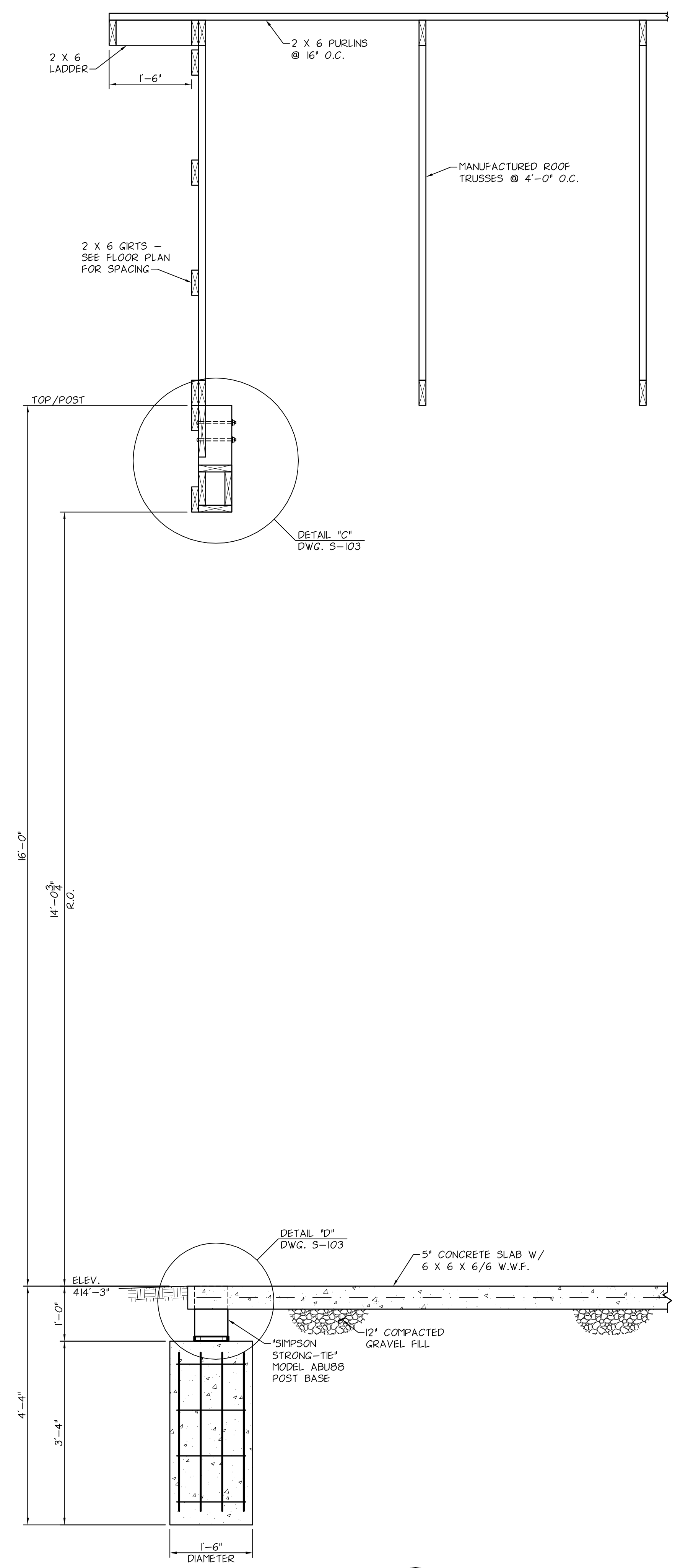


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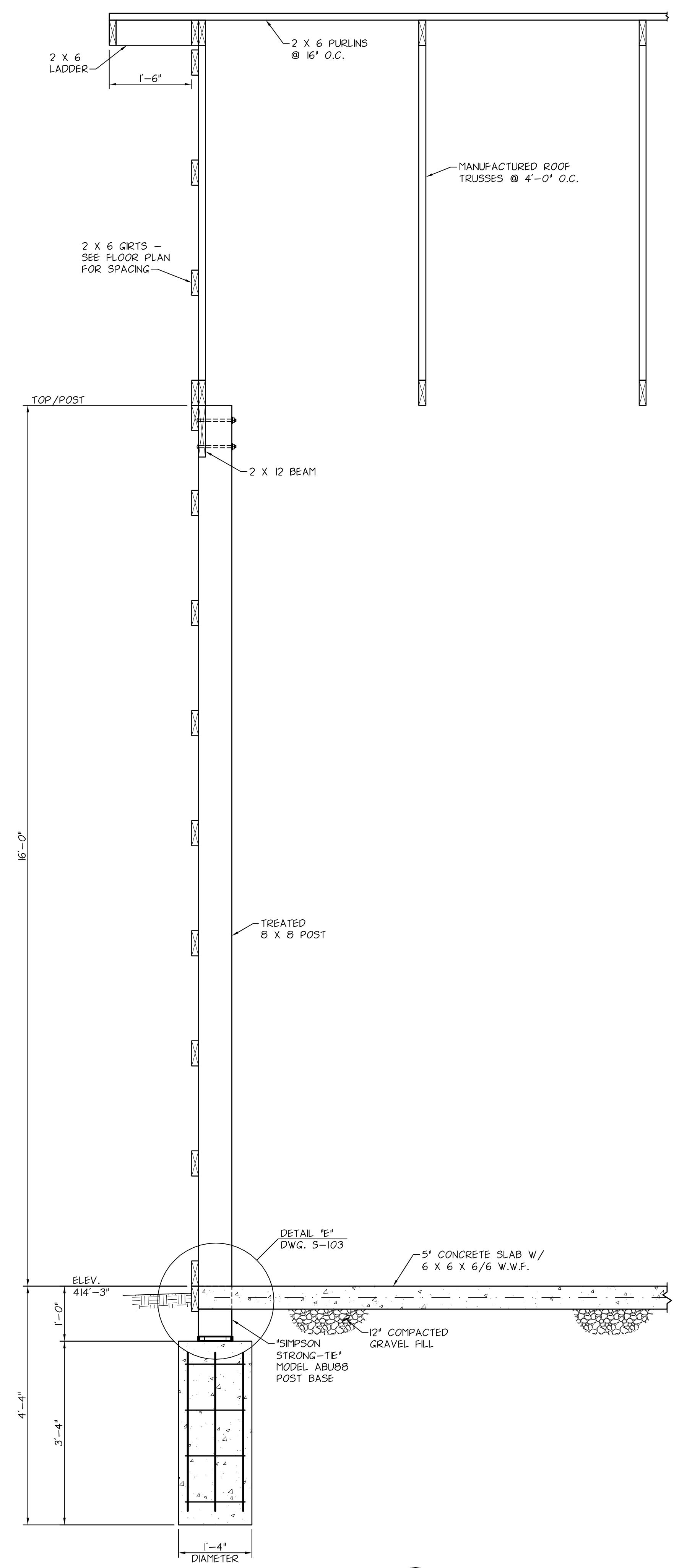
SECTIONS

Designed By: AAZ	Drawn By: MRF	Checked By: AAZ
Issue Date: 3/16/20	Project No: 57700	Scale: AS NOTED

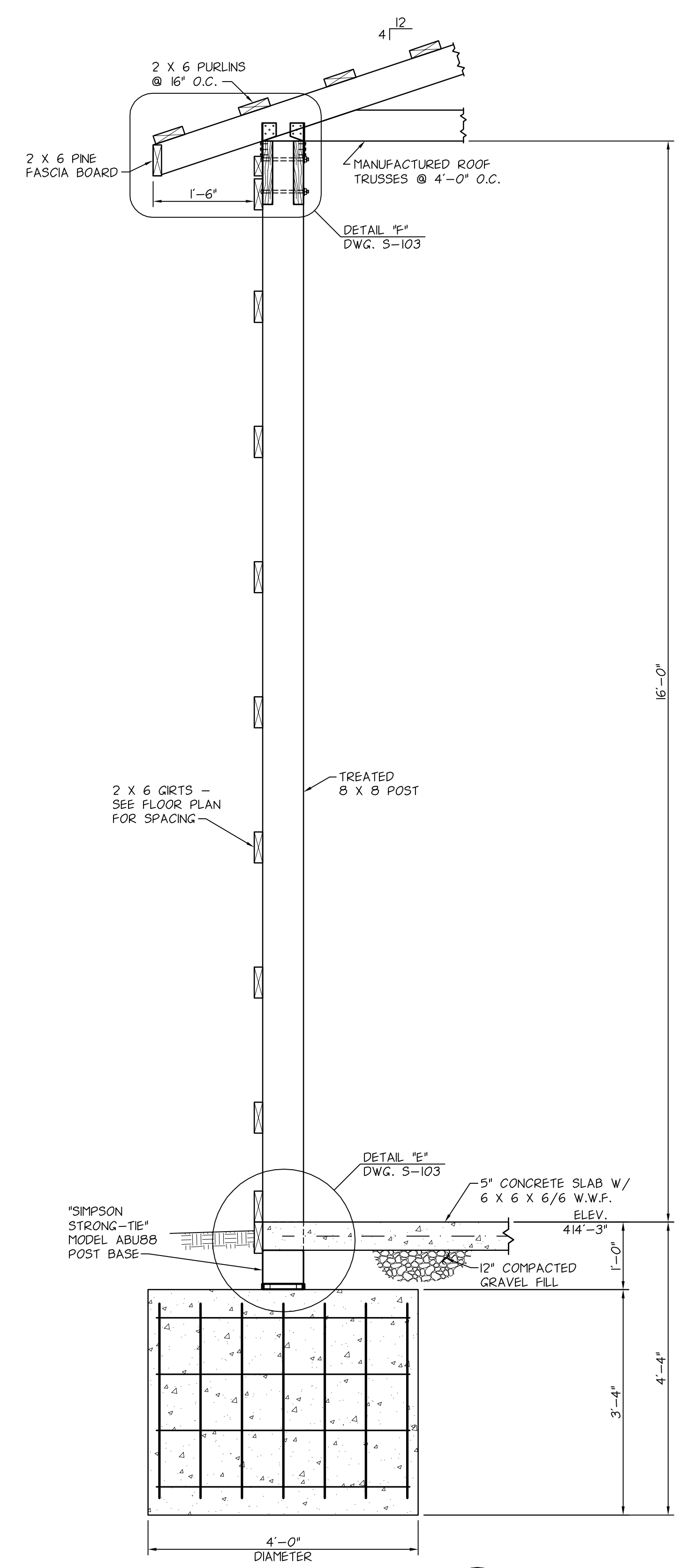
Drawing No.:
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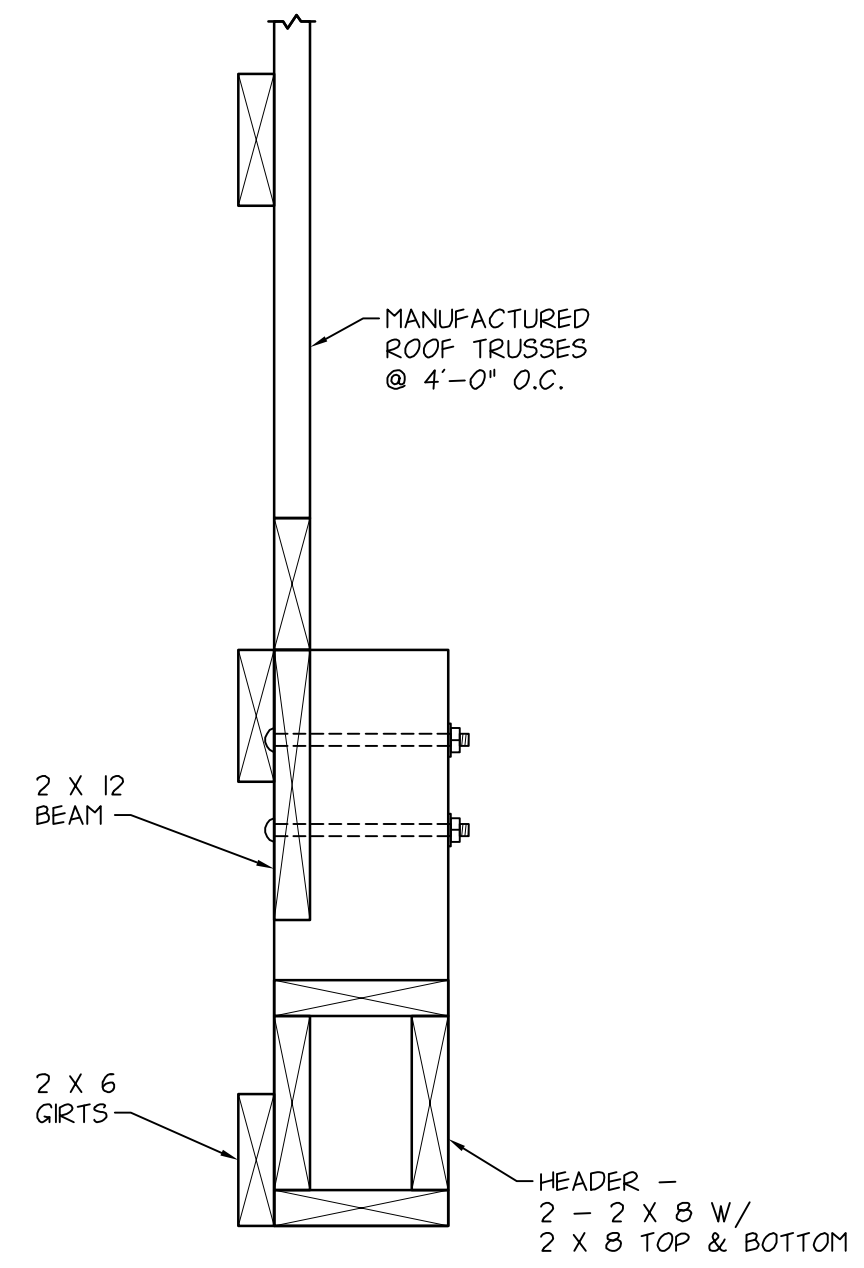
SECTION A
 3-102
 SCALE: 3/4" = 1'-0"



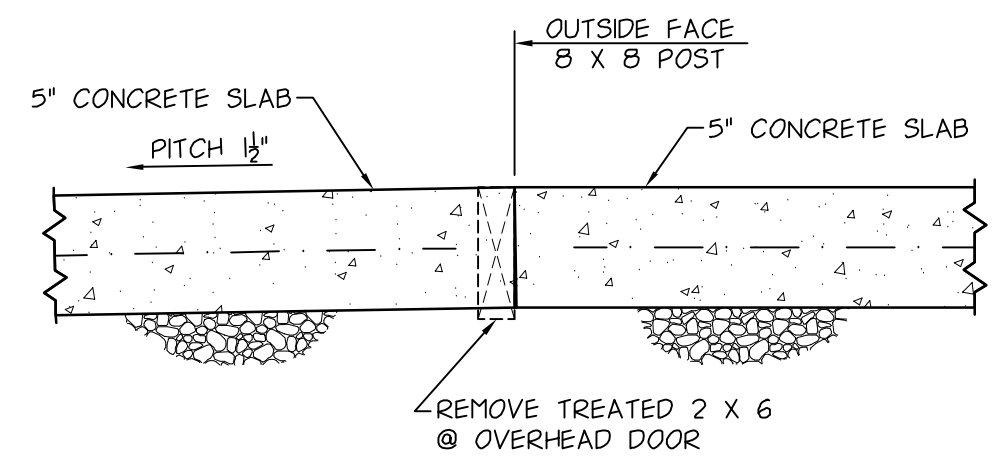
SECTION B
 3-102
 SCALE: 3/4" = 1'-0"



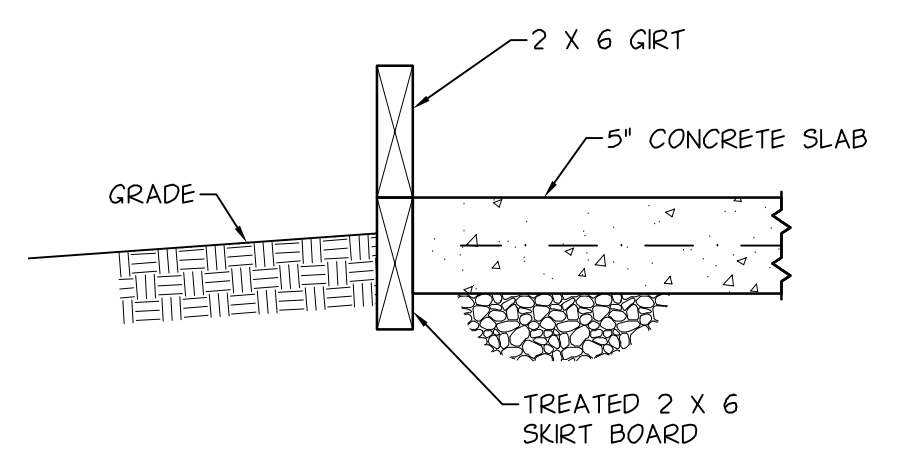
SECTION C
 3-102
 SCALE: 3/4" = 1'-0"



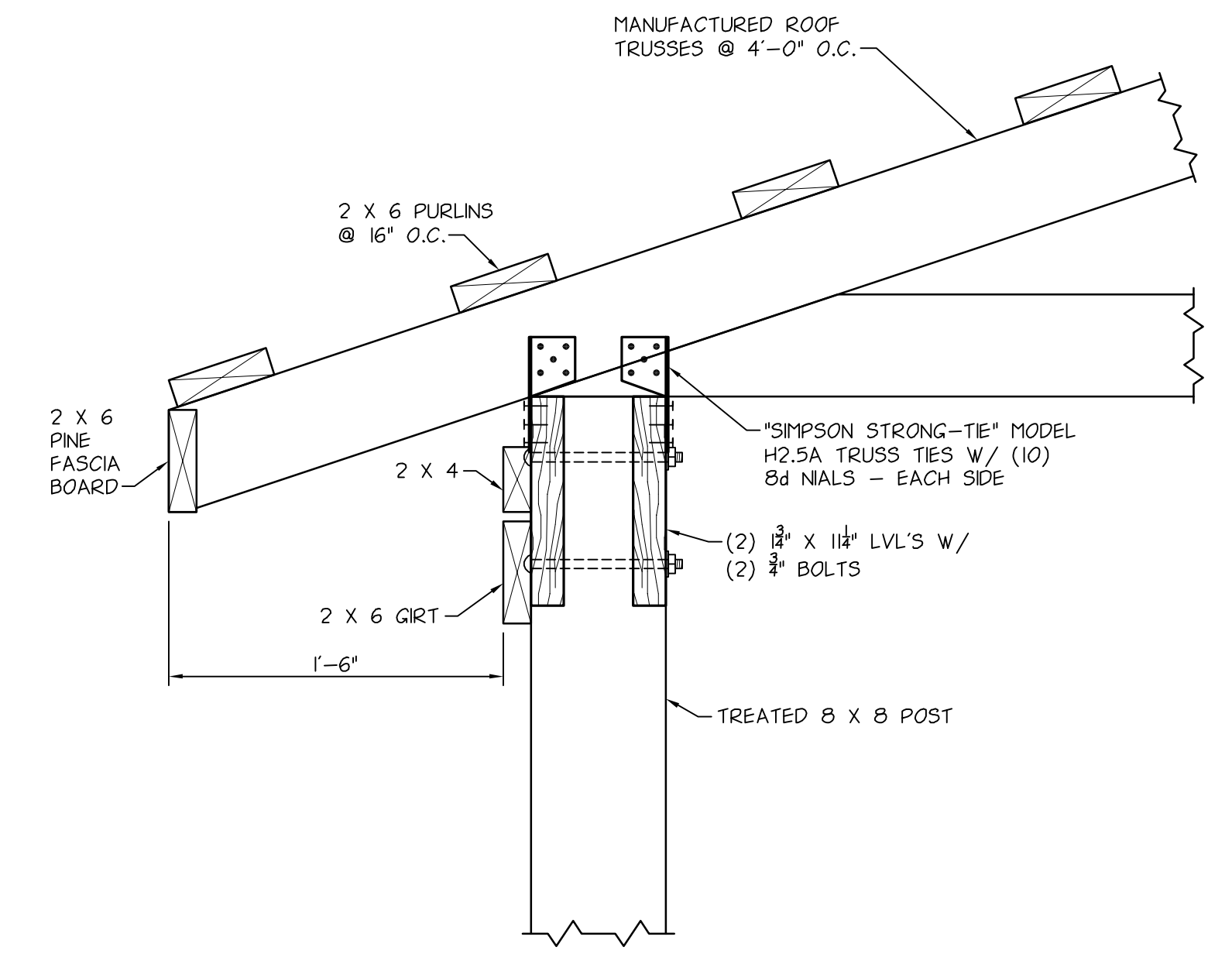
DETAIL "C"
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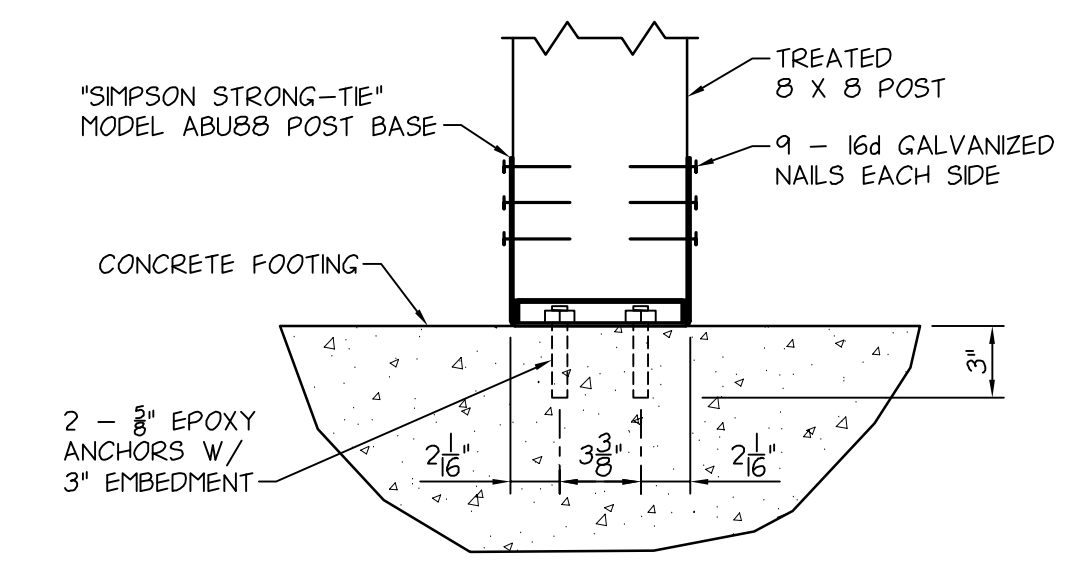
DETAIL "D"
SCALE: 1/2" = 1'-0"



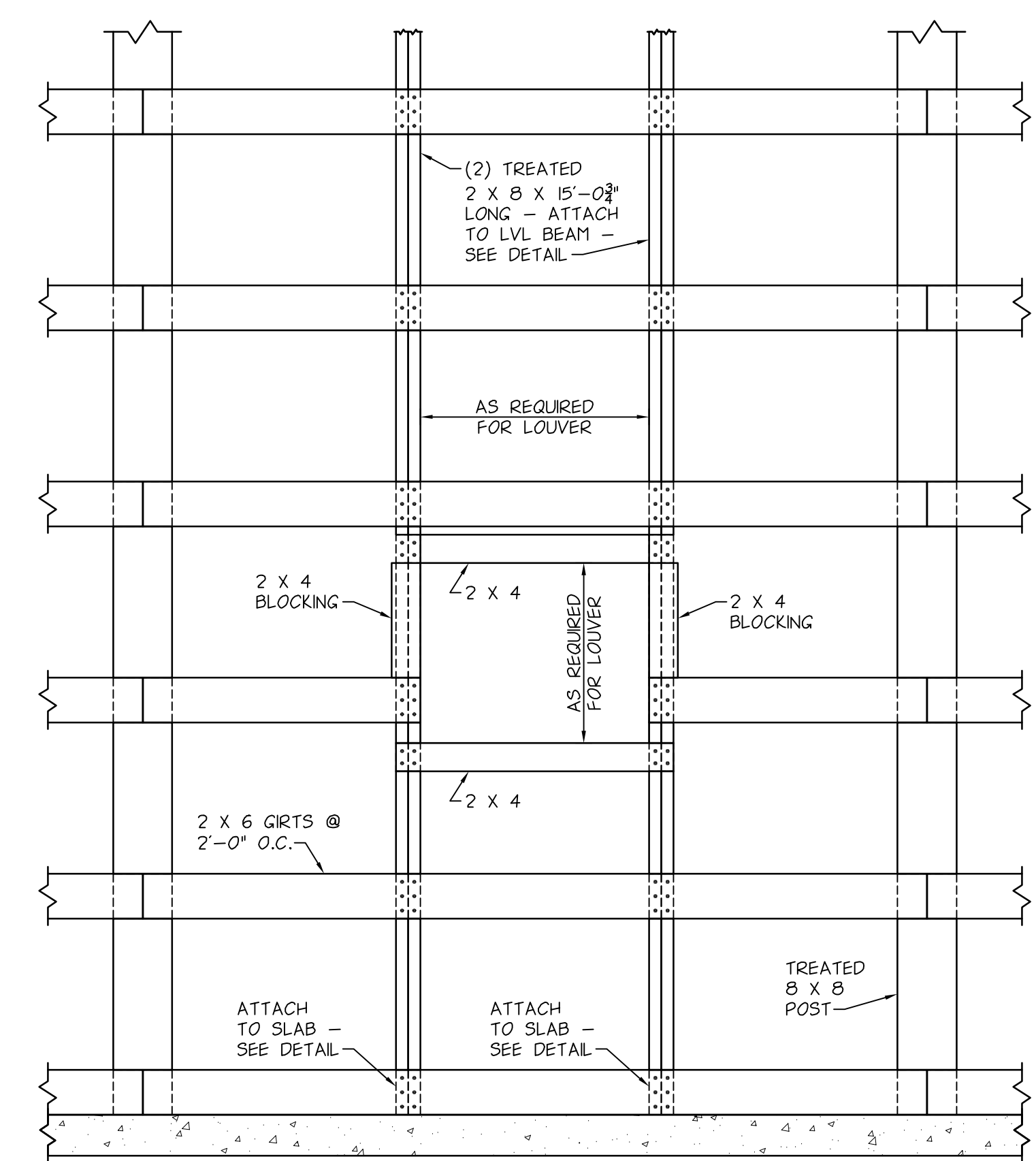
DETAIL "E"
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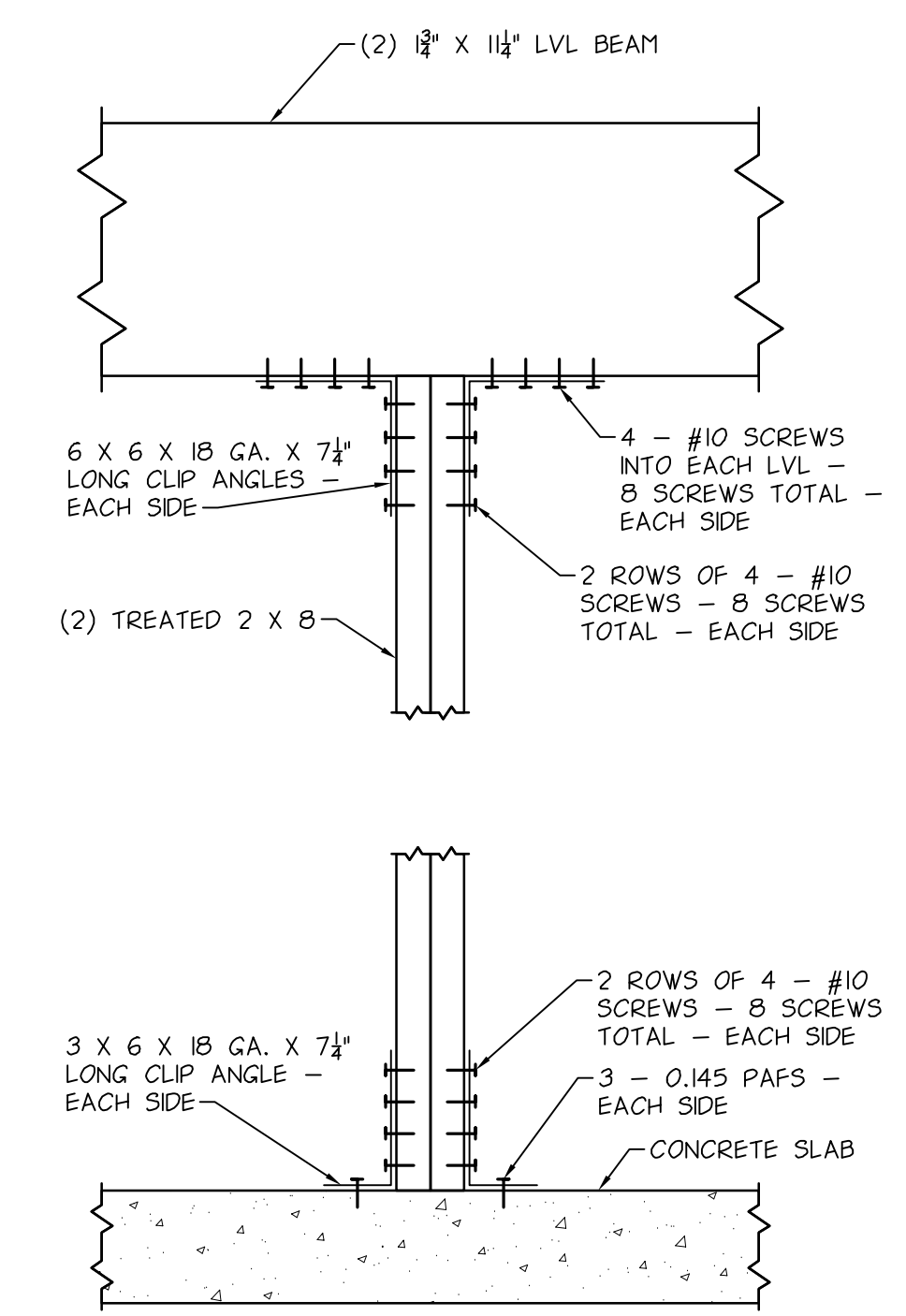
DETAIL "F"
SCALE: 1/2" = 1'-0"



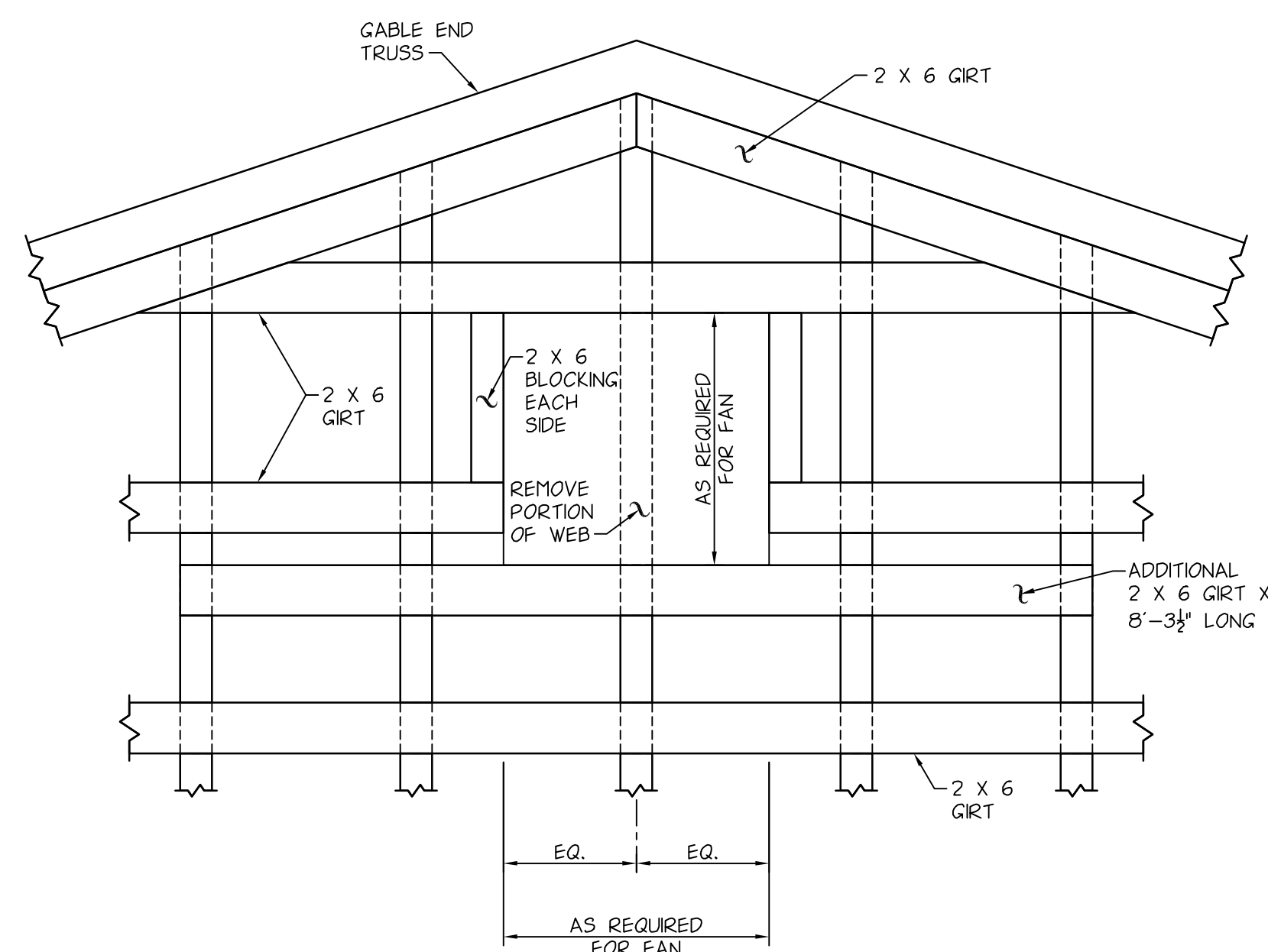
POST BASE DETAIL
SCALE: 1/2" = 1'-0"



FRAMING FOR SIDEWALL LOUVERS
SCALE: 3/4" = 1'-0"



(2) TREATED 2 X 8 CONNECTION DETAIL
SCALE: 1/2" = 1'-0"



FRAMING FOR ENDWALL EXHAUST FAN
SCALE: 3/4" = 1'-0"

- GENERAL NOTES**
- ALLOWABLE SOIL BEARING PRESSURE 2000 P.S.F.
 - DESIGN LIVE LOADS:
 - FLOOR LIVE LOAD 100 P.S.F.
 - ROOF SNOW LOAD
 - FLAT ROOF SNOW LOAD, Pf 51 P.S.F.
 - SNOW EXPOSURE FACTOR, Ce 1.0
 - SNOW LOAD IMPORTANCE FACTOR, Is 1.0
 - THERMAL FACTOR, Ct 1.2
 - GROUND SNOW LOAD, Pg 60 P.S.F.
 - WIND LOAD
 - BASIC WIND SPEED (3 SECOND GUST) 105 M.P.H.
 - WIND EXPOSURE C
 - WIND IMPORTANCE FACTOR, I 1.0
 - EARTHQUAKE DESIGN DATA
 - SEISMIC USE GROUP I
 - SPECTRAL RESPONSE COEFFICIENTS
 - Sps 0.16
 - Sol 0.06
 - SITE CLASS E
 - BASIC SEISMIC FORCE RESISTING SYSTEM CROSS BRACING
 - DESIGN BASE SHEAR 2.50 KIPS
 - ANALYSIS PROCEDURE EQUIVALENT LATERAL FORCE
 - CONCRETE:
 - DESIGN STANDARD A.C.I. 318
 - DETAILING STANDARD A.C.I. 315
 - COVER A.C.I. 318
 - 28 DAY COMPRESSIVE STRENGTH
 - SLABS 4000 P.S.I.
 - ALL OTHER CONCRETE 3000 P.S.I.
 - REINFORCING BARS:
 - DEFORMED BARS A.S.T.M. A 615, GRADE 60
 - WELDED WIRE FABRIC A.S.T.M. A 185
 - FRAMING LUMBER: (THESE VALUES ARE BASE DESIGN VALUES AND HAVE NOT BEEN INCREASED FOR DURATION OF LOAD, SIZE, ETC.)
 - ALL 2 X 8 AND LARGER: (DOUGLAS FIR NO. 2, OR BETTER)
 - Fb = 825 P.S.I.
 - Fv = 90 P.S.I.
 - Fc = 1,350 P.S.I.
 - E = 1,200,000 P.S.I.
 - ALL 2 X 6 AND SMALLER: (SPRUCE-PINE-FIR NO. 2, OR BETTER)
 - Fb = 875 P.S.I.
 - Fv = 70 P.S.I.
 - Fc = 1,150 P.S.I.
 - E = 1,400,000 P.S.I.
 - TREATED FRAMING LUMBER: (SOUTHERN PINE NO. 2, OR BETTER)
 - Fb = 1050 P.S.I.
 - Fv = 90 P.S.I.
 - E = 1,400,000 P.S.I.
 - TREATED POSTS: (SOUTHERN PINE NO. 2, OR BETTER)
 - Fb = 1050 P.S.I.
 - Fv = 90 P.S.I.
 - Fc = 525 P.S.I.
 - E = 1,200,000 P.S.I.
 - ROOF TRUSSES SHALL BE DESIGNED BY THE MANUFACTURER TO SAFELY SUPPORT A 51 P.S.F. LIVE LOAD AND A 12 P.S.F. DEAD LOAD.

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315.471.3920 - www.chacompanies.com

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LICENSED PROFESSIONAL ENGINEER
ALEZIA & ZANGRILLI
00962571
UNIVERSITY OF THE STATE OF NEW YORK

SYRACUSE HANCOCK
INTERNATIONAL AIRPORT
AIRFIELD EQUIPMENT
COLD STORAGE BUILDING

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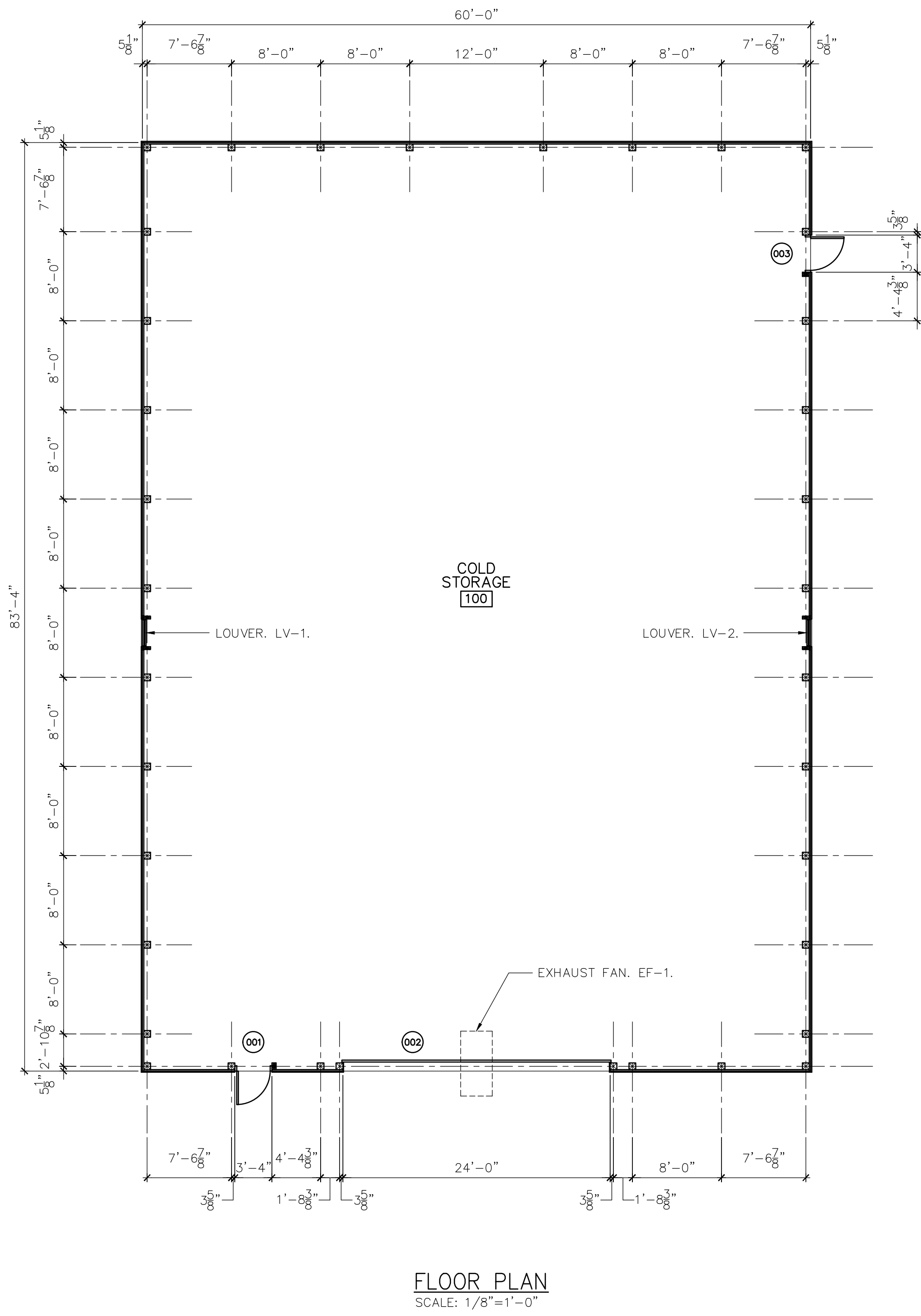
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DETAILS

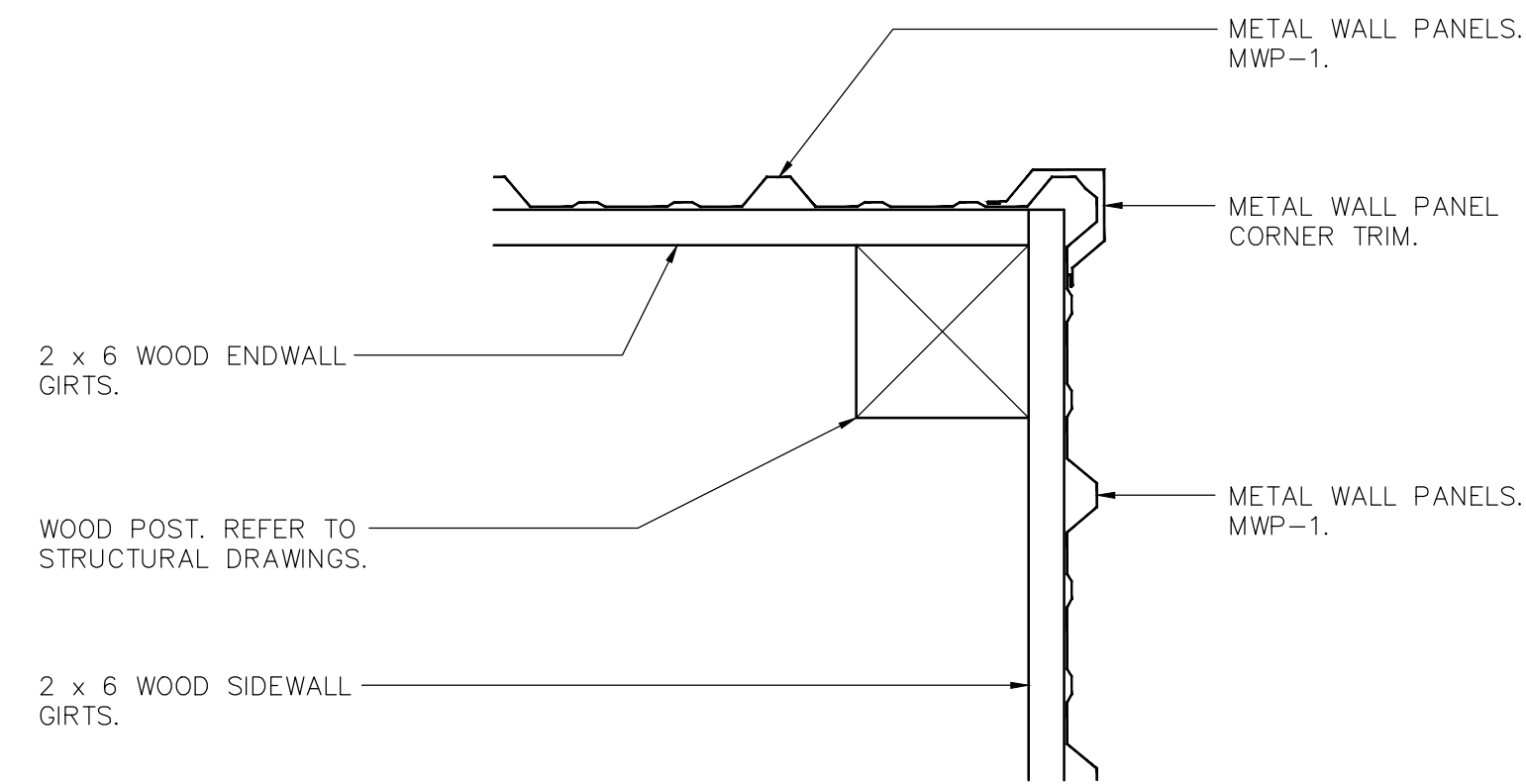
Designed By: AAZ	Drawn By: MRF	Checked By: AAZ
Issue Date: 3/16/20	Project No: 57700	Scale: AS NOTED

Drawing No.:
S-103

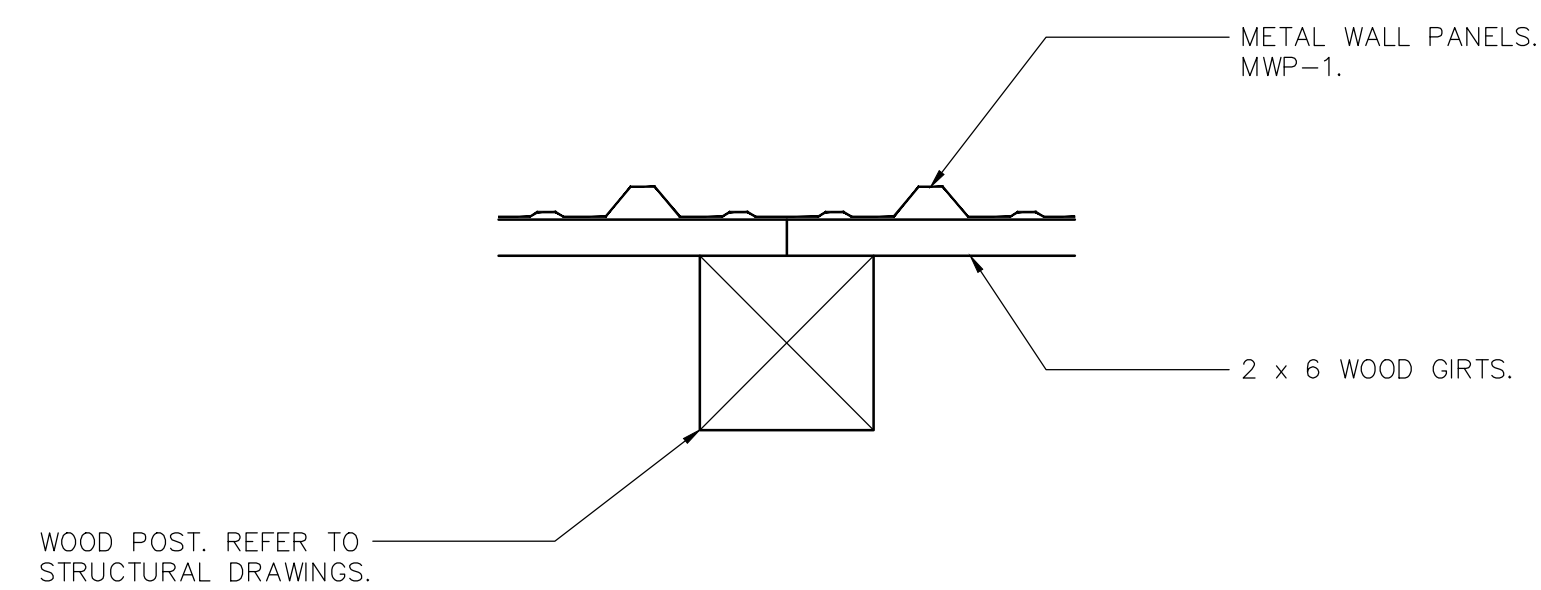
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FLOOR PLAN
 SCALE: 1/8"=1'-0"



1 CORNER DETAIL
 A-101 SCALE: 1 1/2"=1'-0"



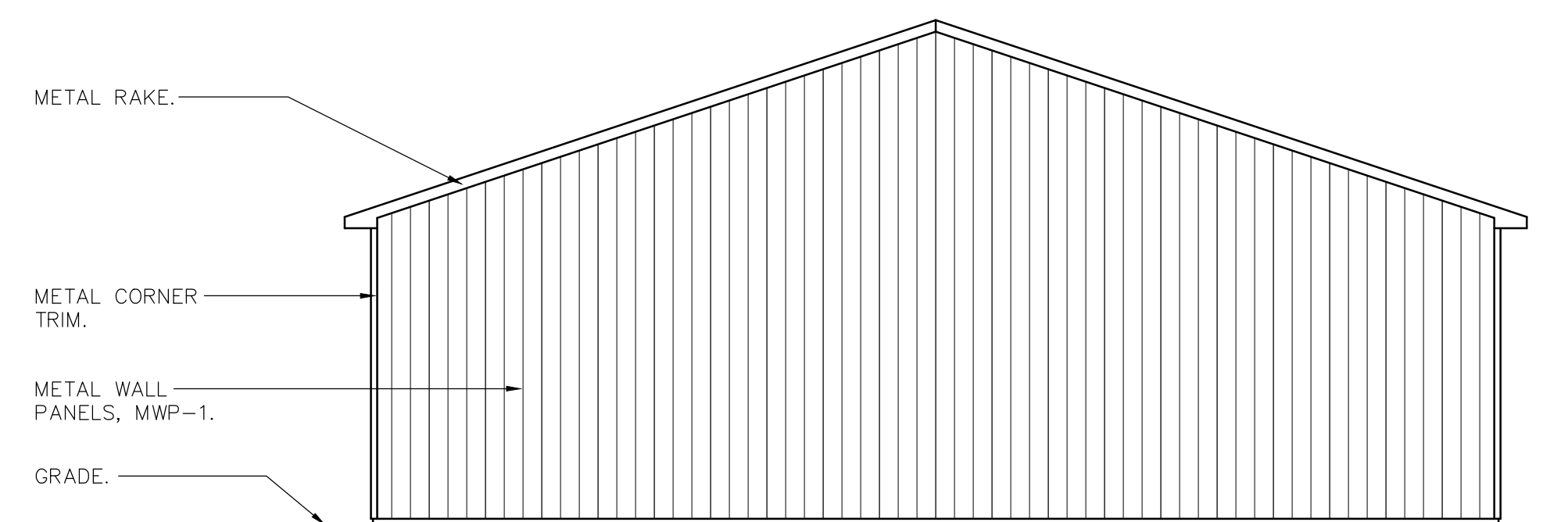
2 POST DETAIL
 A-101 SCALE: 1 1/2"=1'-0"

No.	Submittal / Revision	App'd.	By	Date

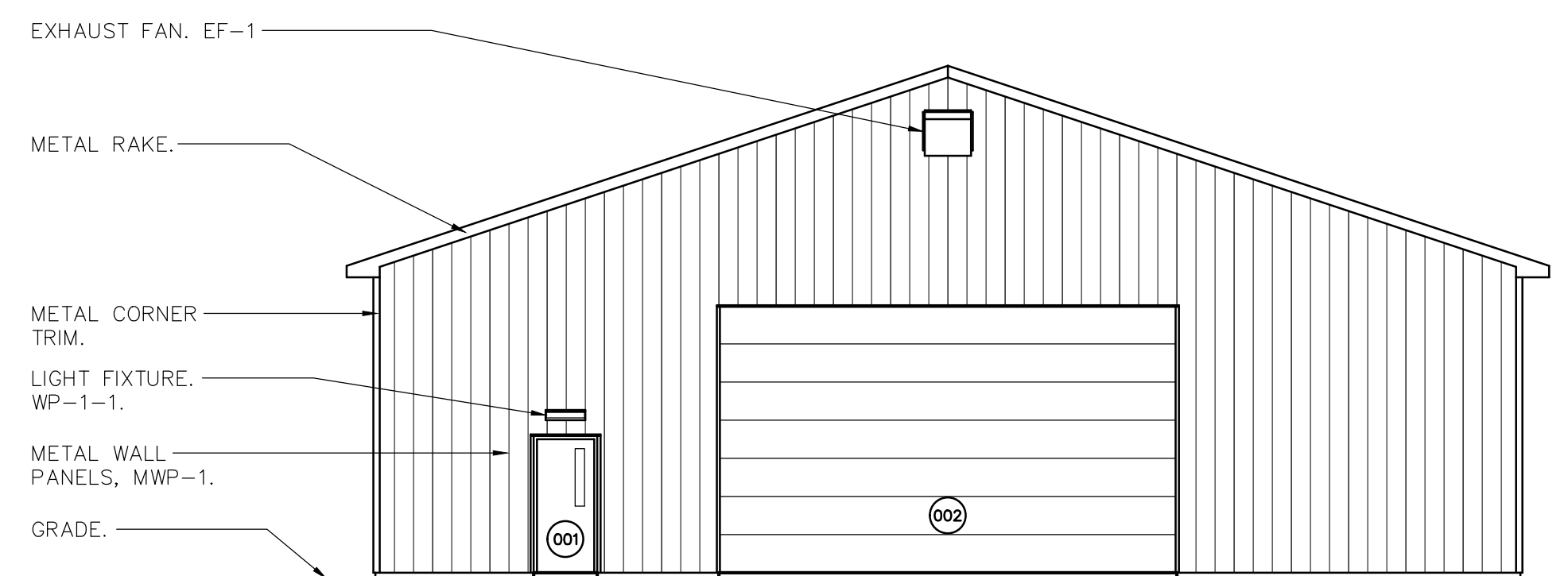
ISSUED FOR BID ANA SMZ 3/16/20

**FLOOR PLAN
 AND DETAILS**

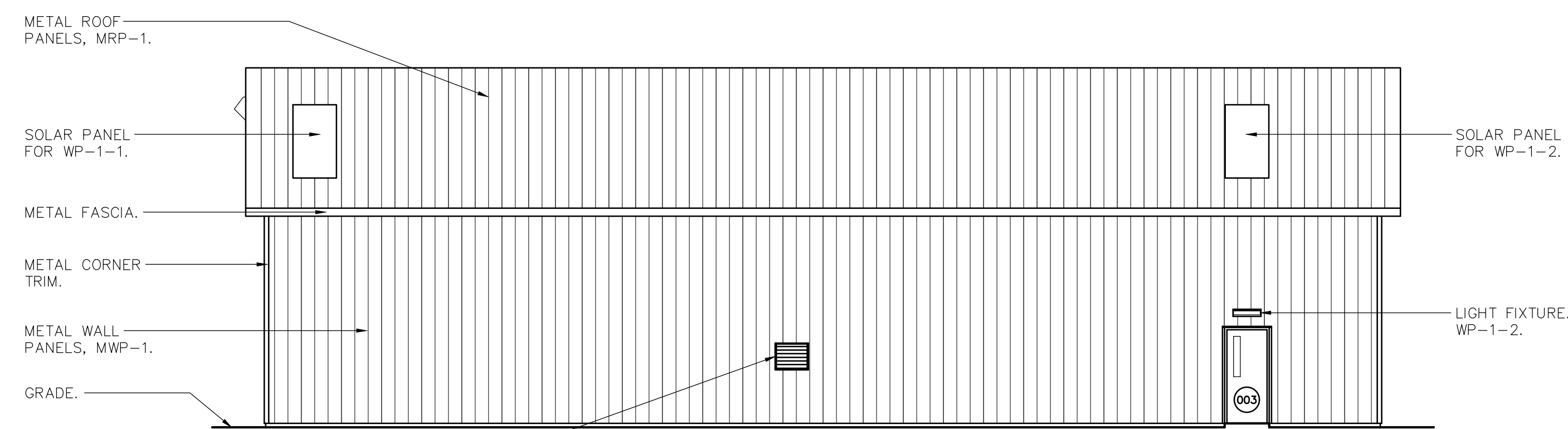
Designed By: SMZ	Drawn By: SMZ	Checked By: ANA
Issue Date: 3/16/20	Project No: 57700	Scale: AS SHOWN



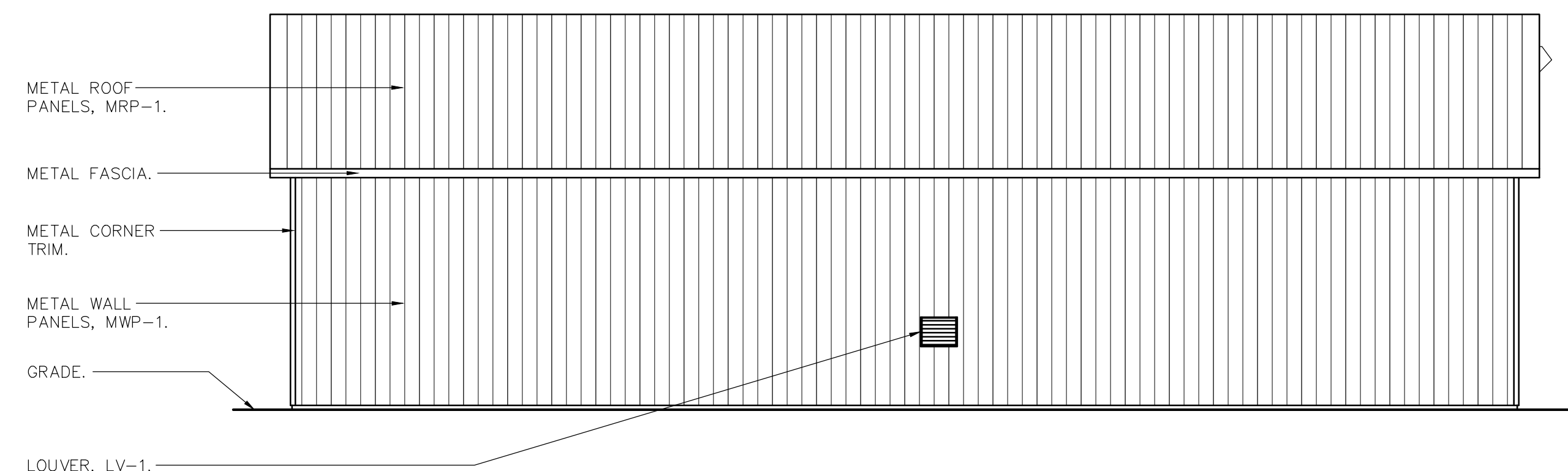
NORTH ELEVATION
 SCALE: 1/8"=1'-0"



SOUTH ELEVATION
 SCALE: 1/8"=1'-0"



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



WEST ELEVATION
 SCALE: 1/8"=1'-0"

FINISH MATERIAL LEGEND (EXTERIOR)				
SURFACE	CODE	MATERIAL	MANUFACTURER	PRODUCT INFORMATION
WALL	MWP-1	METAL WALL PANEL	VARGO FRUDEN	PRODUCT: PANEL RIB WALL PANEL COLOR: TO BE SELECTED SIZE: 36" WIDE X 11/4" HIGH
ROOF	MRP-1	METAL ROOF PANEL	VARGO FRUDEN	PRODUCT: 66R - STANDING SEAM ROOF COLOR: TO BE SELECTED SIZE: 24" WIDE X 3" HIGH

No.	Submittal / Revision	App'd.	By	Date

ISSUED FOR BID ANA SMZ 3/16/20

**EXTERIOR
 ELEVATIONS**

Designed By:	Drawn By:	Checked By:
SMZ	SMZ	ANA
Issue Date:	Project No:	Scale:
3/16/20	57700	AS SHOWN

Drawing No.:

A-301

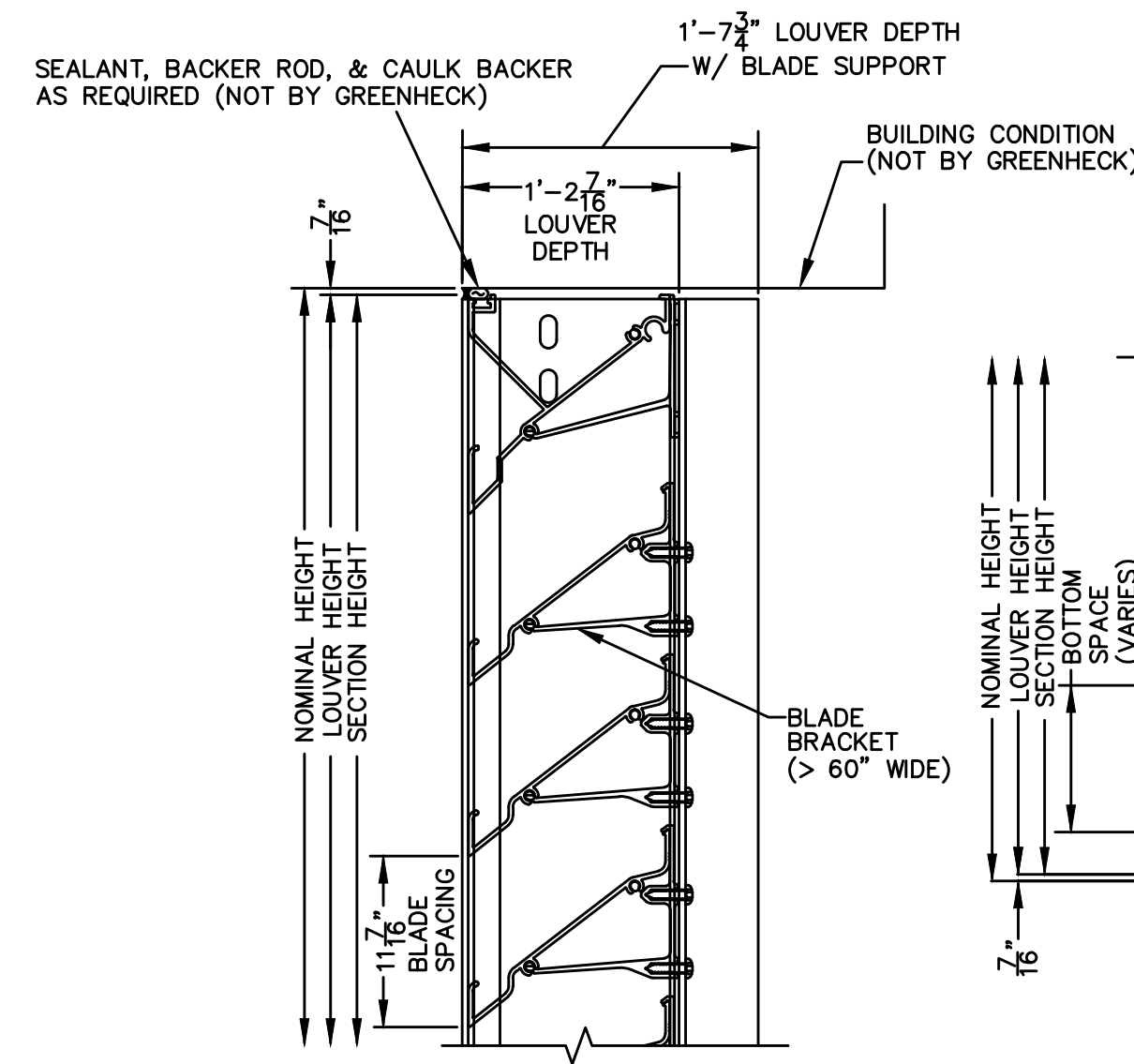
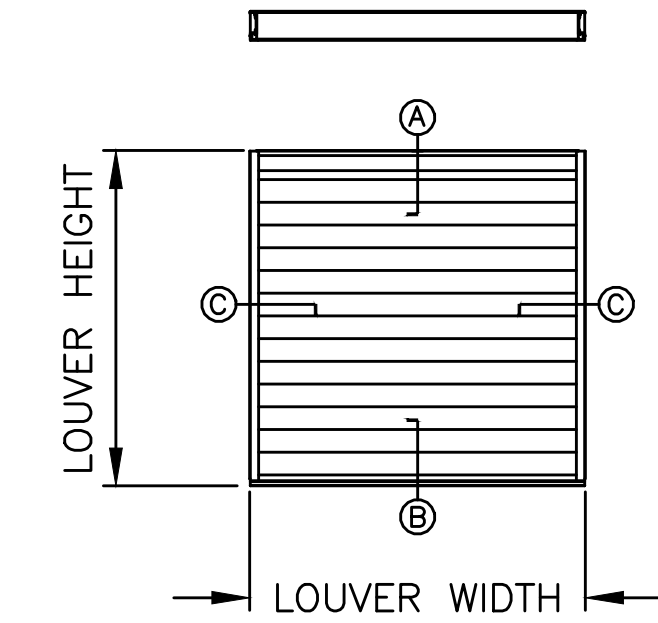
FAN SCHEDULE

DESIGNATION	LOCATION	TYPE	MODEL	E.S.P.	CFM	ELEC. V/Hz/Ph	HP	RPM	ENCLOSURE	DAMPER SIZE (IN.)	WALL OPENING (IN.)	WEIGHT (LBS.)	SONES	CONTROL/NOTES
EF-1	COLD STORAGE	SIDEWALL PROPELLER EXHAUST - DIRECT DRIVE	GREENHECK AER-E24C-315-VG	0.20"	3723	208/60/1	1/2	1225	ODP	26x26	33.75x33.75	298	17	PROVIDE FAN CONTROLLER, DISCONNECT, MOTORIZED DAMPER, GUARD, HOUSING, 45° WEATHERHOOD, BIRDSCREEN. TIE OPERATION TO MOTORIZED DAMPERS ON INTAKE LOUVER (LV-1) & (LV-2). WEATHERHOOD COLOR SELECTION CHOSEN DURING SUBMITTAL PROCESS.

CONFIRM POWER REQUIREMENTS W/ ELECTRICAL CONTRACTOR BEFORE ORDERING

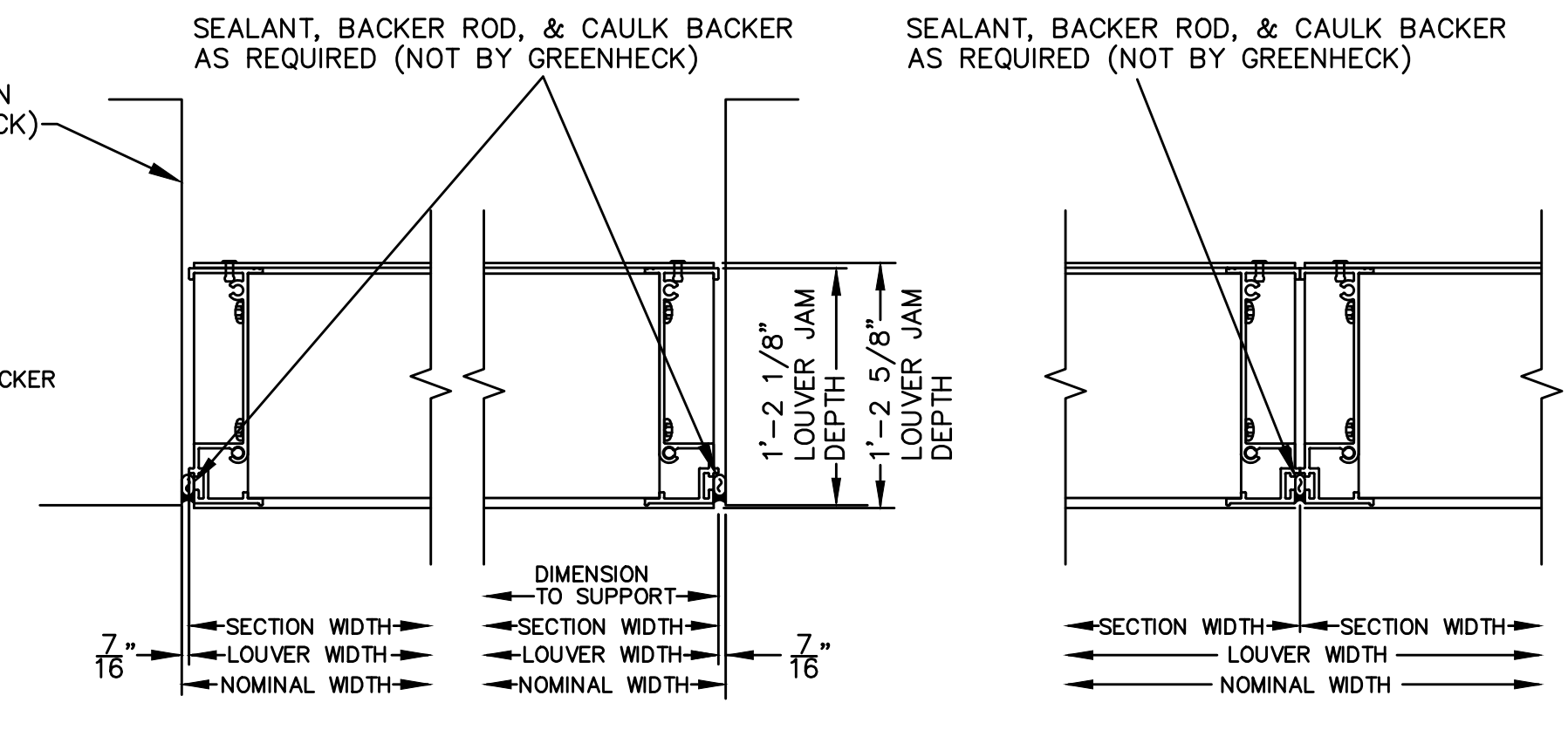
LOUVER SCHEDULE

DESIGNATION	LOCATION	LOUVER TYPE/MODEL	CFM	SIZE	CONTROL/NOTES
LV-1	COLD STORAGE	INTAKE LOUVER, GREENHECK ESD-435	1862	30"W x 24"H	STATIONARY LOUVER, DRAINABLE BLADE, BIRDSCREEN. PROVIDE MOTORIZED DAMPER TIED TO EXH. FAN (EF-1) OPERATION. COLOR SELECTION CHOSEN DURING SUBMITTAL PROCESS.
LV-2	COLD STORAGE	INTAKE LOUVER, GREENHECK ESD-435	1862	30"W x 24"H	STATIONARY LOUVER, DRAINABLE BLADE, BIRDSCREEN. PROVIDE MOTORIZED DAMPER TIED TO EXH. FAN (EF-1) OPERATION. COLOR SELECTION CHOSEN DURING SUBMITTAL PROCESS.



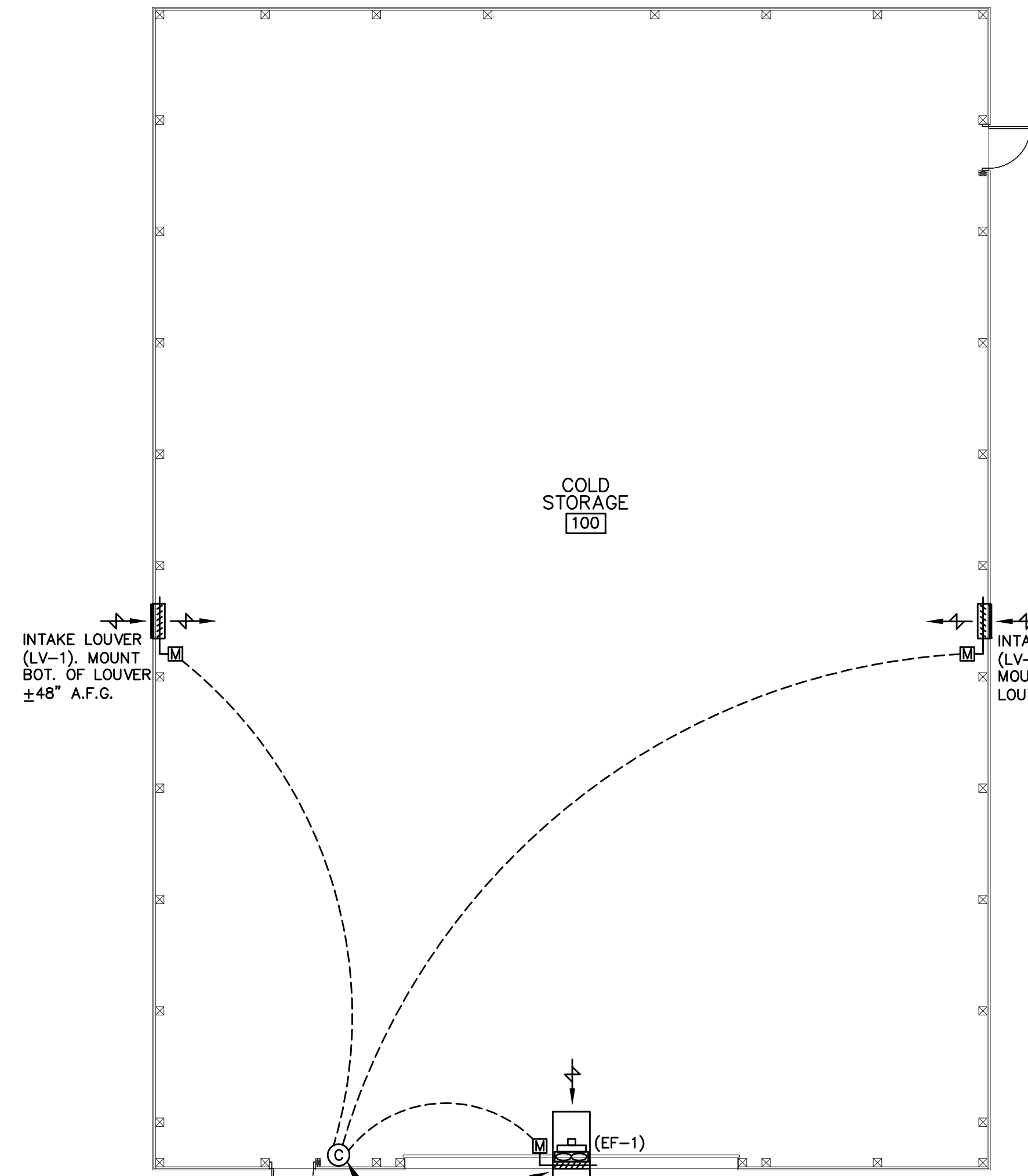
(A) LOUVER HEAD DETAIL
SCALE: NTS

(B) LOUVER SILL DETAIL
SCALE: NTS

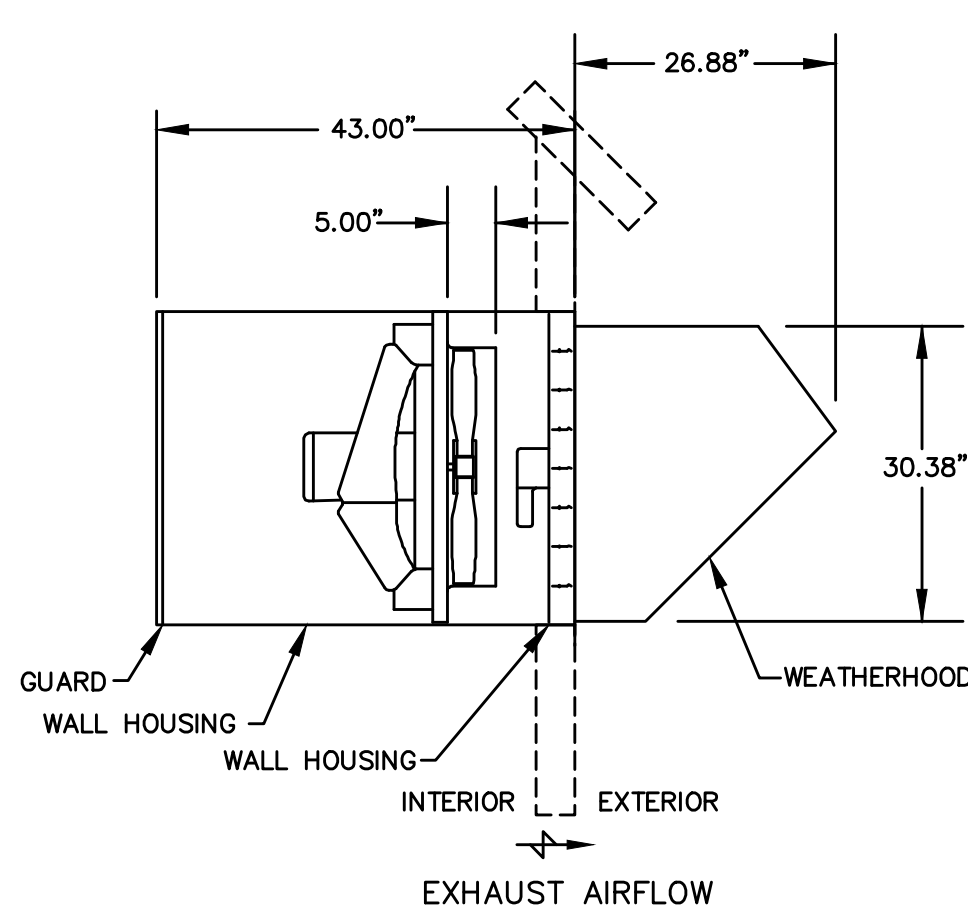


(C) LOUVER JAM DETAIL
SCALE: NTS

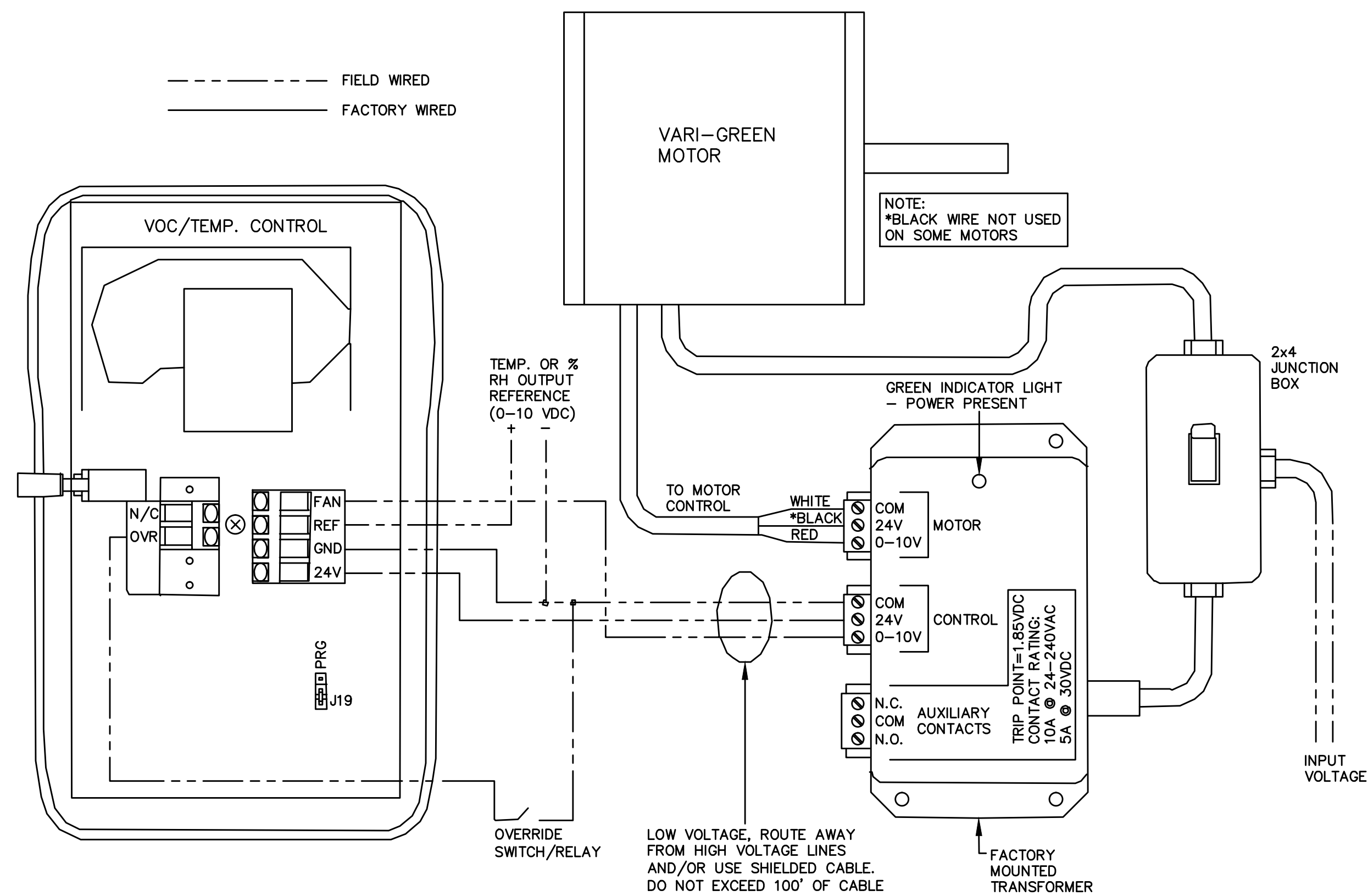
(D) LOUVER MULLION DETAIL
SCALE: NTS



MECHANICAL PLAN
SCALE: 1/8"=1'-0"



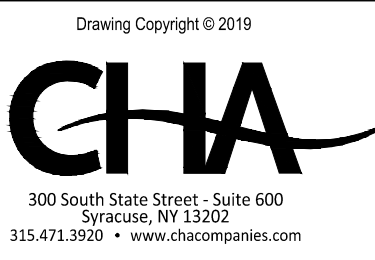
EXHAUST FAN DETAIL
SCALE: NTS



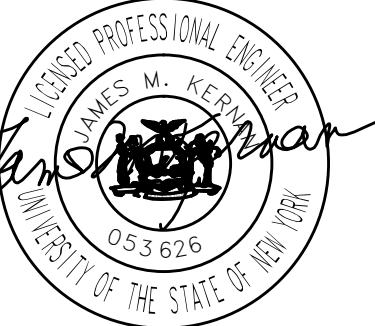
FAN CONTROLLER DETAIL
SCALE: NTS

AN EC MOTOR THAT USES AC INPUT POWER AND INTERNALLY CONVERTS IT TO DC POWER. MOTOR ACCEPTS A 0-10 VDC CONTROL SIGNAL. MOTOR IS OPERABLE IN THE 2-10 VDC RANGE AND OFF WHILE IN THE 0-1.9 VDC RANGE. VARI-GREEN MOTORS FEATURE A SOFT START AND INHERENT THERMAL AND CURRENT PROTECTION BUILT INTO EACH UNIT. IN RUSH CURRENT AT START UP IS ELIMINATED AND THE MOTOR WILL AUTOMATICALLY REDUCE SPEED OR TURN OFF IF OVERLOAD OR IT BECOMES TOO HOT. INDOOR AIR QUALITY CONTROL PACKAGE SPECIFICALLY DESIGNED TO CONTROL A FAN WITH A VARI-GREEN MOTOR VIA CHANGES IN TEMPERATURE, RELATIVE HUMIDITY, OR BOTH. RANGE IS 32°F TO 120°F AND 0 TO 100% RELATIVE HUMIDITY. A 24VDC TRANSFORMER WITH 85-277 VAC INPUT RANGE IS PROVIDED TO POWER THE CONTROL.

File: C:\KERNAN_ENG\SYRACUSEAIRPORTCOLDSTORAGE_MECH\DWG\S\S\AIRPORTCOLDSTORAGE-2-20BID.DWG
Saved: 3/2/2020 4:22:19 PM Plotted: 3/2/2020 4:24:01 PM Current User: jkernan Last Saved By: jkernan

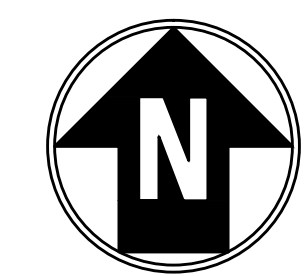


SYRACUSE REGIONAL AIRPORT AUTHORITY OFFICES
1000 COLONEL EILEEN COLLINS BLVD.
SYRACUSE, NY 13212



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SYRACUSE HANCOCK INTERNATIONAL AIRPORT AIRFIELD EQUIPMENT COLD STORAGE BUILDING



No.	Submitted / Revision	App'd.	By	Date
1	Issued for Bid			3/16/20

MECHANICAL PLAN SCHEDULES & DETAILS

Designed By:	Drawn By:	Checked By:
JTK	JTK	JMK

Issue Date:	Project No.:	Scale:
3/16/20	57700	AS SHOWN

Drawing No.:
M-100

IT IS A VIOLATION OF LAW FOR ANY PERSON UNLESS THEY ARE ACTING UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR GEODETIC SURVEYOR TO ALTER ANY PART OF A SET OF PLANS OR STAMP OF A LICENSED PROFESSIONAL IS ALTERED. THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE WORDS "ALTERED BY FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

SYRACUSE HANCOCK
INTERNATIONAL AIRPORT
AIRFIELD EQUIPMENT
COLD STORAGE BUILDING

No.	Submitted / Revision	App'd.	By	Date
1	Issued for Bid			3/16/20

FLOOR PLAN AND LIGHTING PLAN

Designed By: AMK	Drawn By: AMK	Checked By: JMK
Issue Date: XXXXX	Project No: 57700	Scale: AS SHOWN

FAN SCHEDULE

DESIGNATION	LOCATION	TYPE	MODEL	E.S.P.	CFM	ELEC. V/Hz/Ph	HP	RPM	ENCLOSURE	DAMPER SIZE (IN.)	WALL OPENING (IN.)	WEIGHT (LBS.)	CONTROL/NOTES
EF-1	COLD STORAGE	SIDEWALL PROPELLER EXHAUST - DIRECT DRIVE	GREENHECK AER-E24C-315-VG	0.20"	3723	208/60/1	1/2	1225	ODP	26x26	33.75x33.75	298	FAN CONTROLLER, DISCONNECT PROVIDED BY M.C. TIE OPERATION TO MOTORIZED DAMPERS ON INTAKE LOUVER (LV-1) & (LV-2).

CONFIRM POWER REQUIREMENTS ON ALL ELECTRICAL EQUIPMENT ORDERED BY MECHANICAL CONTRACTOR BEFORE ORDERING

LOUVER SCHEDULE

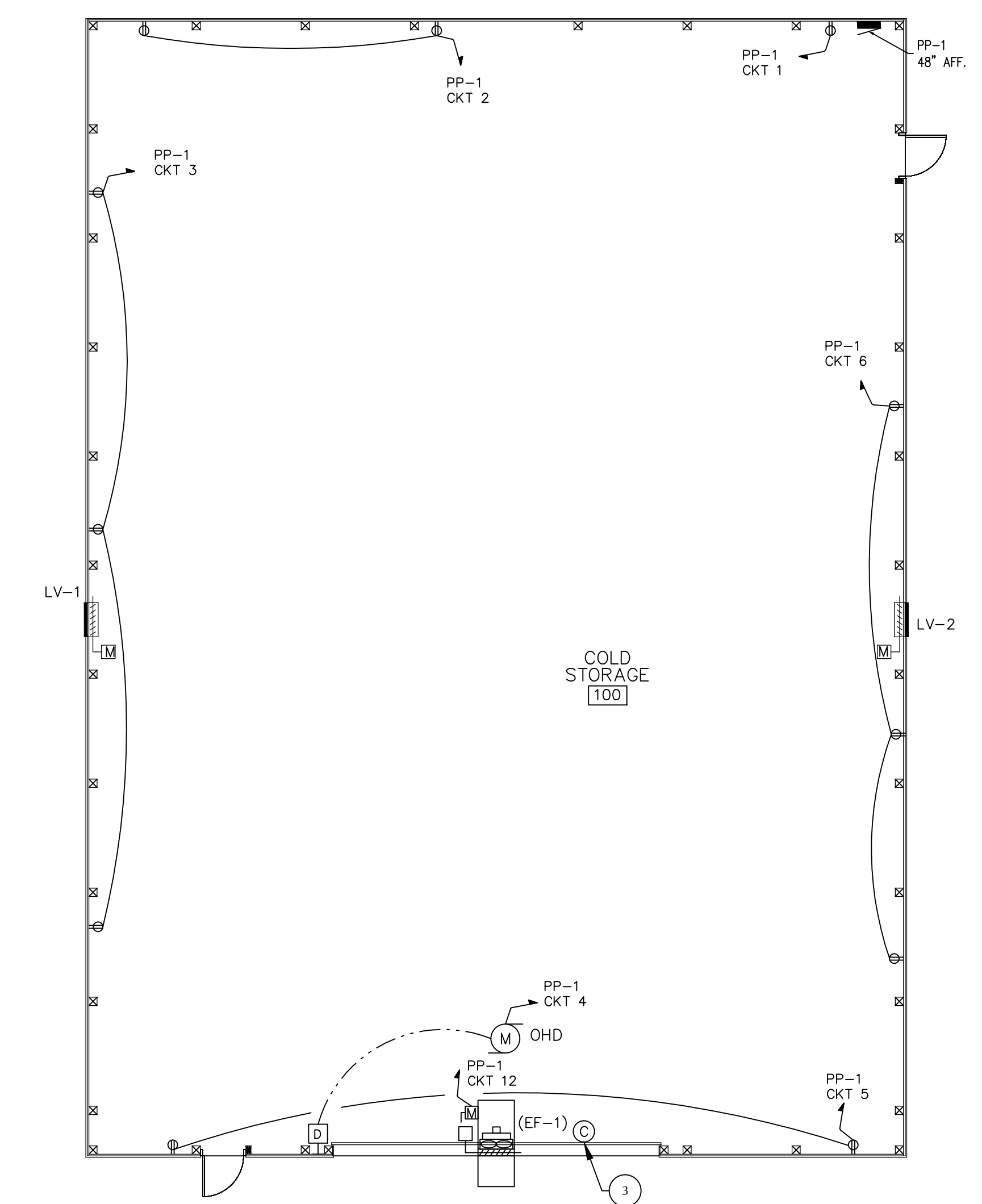
DESIGNATION	LOCATION	LOUVER TYPE/MODEL	CFM	SIZE	CONTROL/NOTES
LV-1	COLD STORAGE	INTAKE LOUVER, GREENHECK ESD-435	1862	30"W x 24"H	ALL 120V CONTROLS TIED TO EF-1 BY ELECTRICAL CONTRACTOR.
LV-2	COLD STORAGE	INTAKE LOUVER, GREENHECK ESD-435	1862	30"W x 24"H	ALL 120V CONTROLS TIED TO EF-1 BY ELECTRICAL CONTRACTOR.

ELECTRICAL DRAWING NOTES

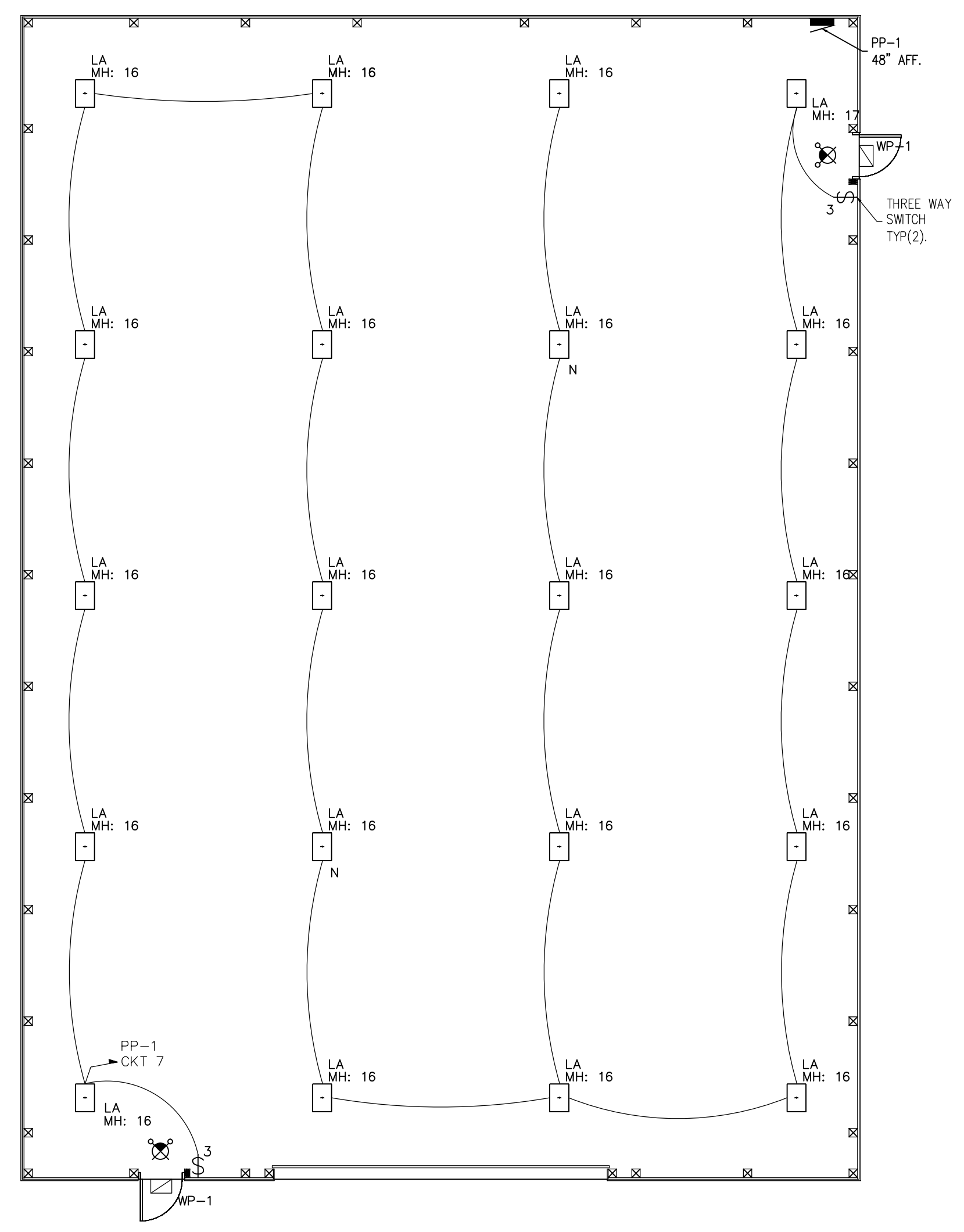
1. INSTALL ALL MOTORIZED DAMPERS ON SINGLE CIRCUIT. PROVIDE LOCAL DISCONNECT MEANS FOR FUTURE MAINTENANCE.
2. MH- STANDS FOR MOUNTING HEIGHT OF LIGHT FIXTURE.
3. FAN CONTROLLER PROVIDE 120V 20A CIRCUIT TO CONTROLS TRANSFORMER. TOGGLE SWITCH FOR DISCONNECT MEANS AND MAINTENANCE PROVIDED BY MECHANICAL CONTRACTOR. COORDINATE ORDERING AND INSTALL WITH MECHANICAL CONTRACTOR.

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
⊞	SINGLE POLE SWITCH, MOUNTED 46" A.F.F. TO CENTER AND 4" TO 13" FROM LATCH SIDE OF DOOR FRAME, UNLESS NOTED OTHERWISE.
⊞X	GANGED SWITCHES, MOUNTED 46" A.F.F. TO CENTER AND 4" TO 13" FROM LATCH SIDE OF DOOR FRAME, UNLESS NOTED OTHERWISE.
□ FB-1	FLOOR BOX, REFER TO FLOOR BOX SCHEDULE. PROVIDE ONE (1) DUPLEX RECEPTACLE AND ONE (1) DATA AND TELEPHONE OUTLET INSIDE FLOOR BOX.
○	SINGLE RECEPTACLE COVER PLATE, MOUNTED 18" A.F.F. TO CENTER, UNLESS NOTED OTHERWISE.
○	DUPLEX RECEPTACLE, MOUNTED 18" A.F.F. TO CENTER, UNLESS NOTED OTHERWISE.
○ AC	DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER.
GFI ○ AC	GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE, MOUNTED ABOVE COUNTER.
GFI ○ IC	GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE, MOUNTED INSIDE CABINET.
○	DOUBLE DUPLEX RECEPTACLE, MOUNTED 18" A.F.F. TO CENTER, UNLESS NOTED OTHERWISE.
○ AC	DOUBLE DUPLEX RECEPTACLE, MOUNTED ABOVE COUNTER.
GFI ○	DOUBLE GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE, MOUNTED 18" A.F.F. TO CENTER UNLESS NOTED OTHERWISE.
(M)	EQUIPMENT OR MOTOR CONNECTION.
□	OVERHEAD DOOR CONTROL STATION, MOUNTED 46" A.F.F. TO CENTER, UNLESS NOTED OTHERWISE.



FLOOR PLAN
SCALE: 1/8"=1'-0"

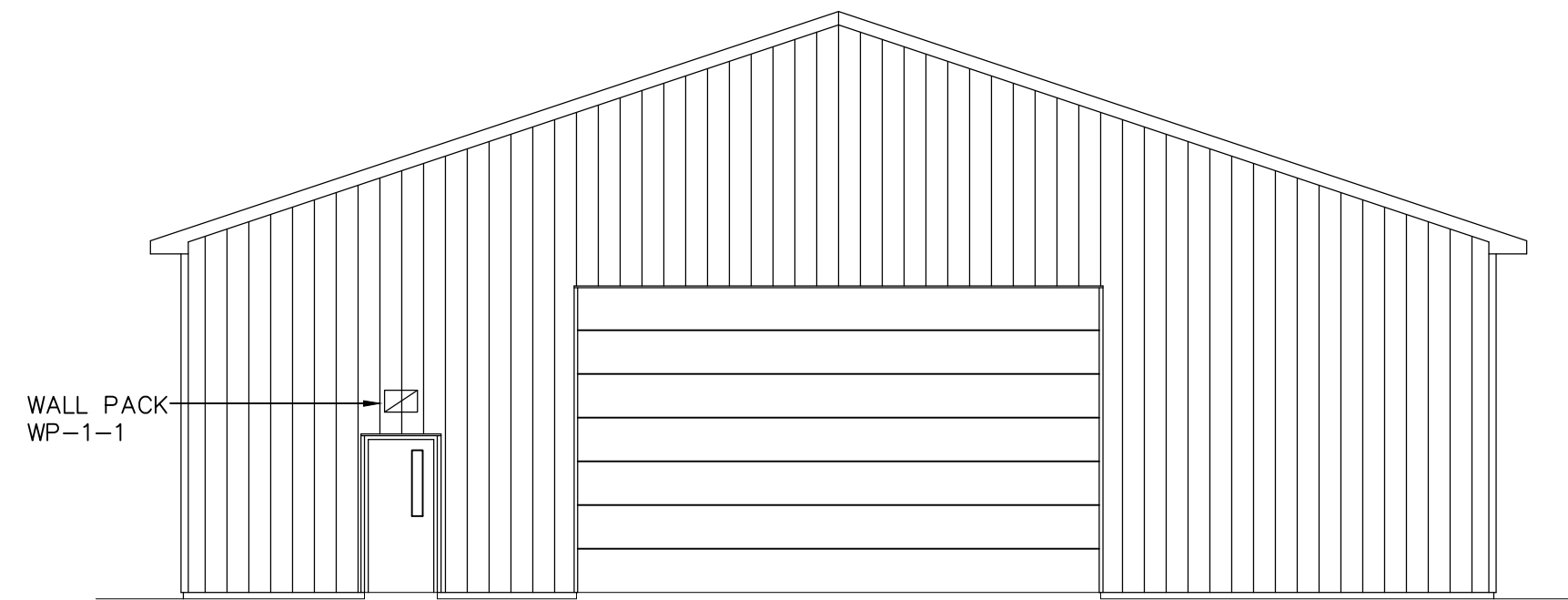


LIGHTING PLAN
SCALE: 1/8"=1'-0"

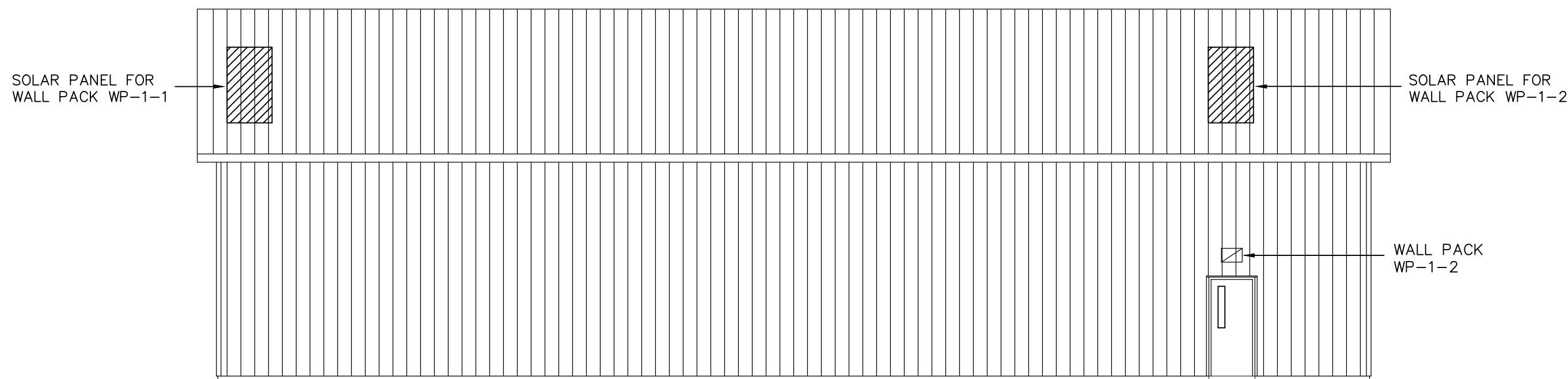
LIGHT FIXTURE SCHEDULE

NO.	TYPE	MANUFACTURER	CATALOGUE NO.	LAMP TYPE	LAMP QUANTITY	WATTAGE	VOLTAGE
LA	HIGH BAY INDUSTRIAL	METALUX	OHB-15SE-W-UNV-L840-CD-U	LED	1	100W	120V
WLA	WALL PACK	GREENSTAR	PS-12-4-7-S-R-2-U	LED	1	59W	120V
EXIT SIGN	EXIT SIGN	COOPER LIGHTING	EEX SERIES WITH 90 MIN. BATTERY BACK UP	LED	NA	NA	120V
EMERGENCY LIGHT	EMERGENCY LIGHT	COOPER LIGHTING	AP2SQ SERIES WITH 90 MIN. BATTERY BACK UP	LED	NA	NA	120V

NOTE: ADJUST SPECS AS REQUIRED WHEN ORDERING TO ACCOMMODATE MOUNTING CONDITIONS.
EM - DENOTES 90MIN BATTERY BACK UP FOR LOSS OF POWER.
N - NIGHT LIGHTING. LIGHT TO REMAIN ON 24/7.



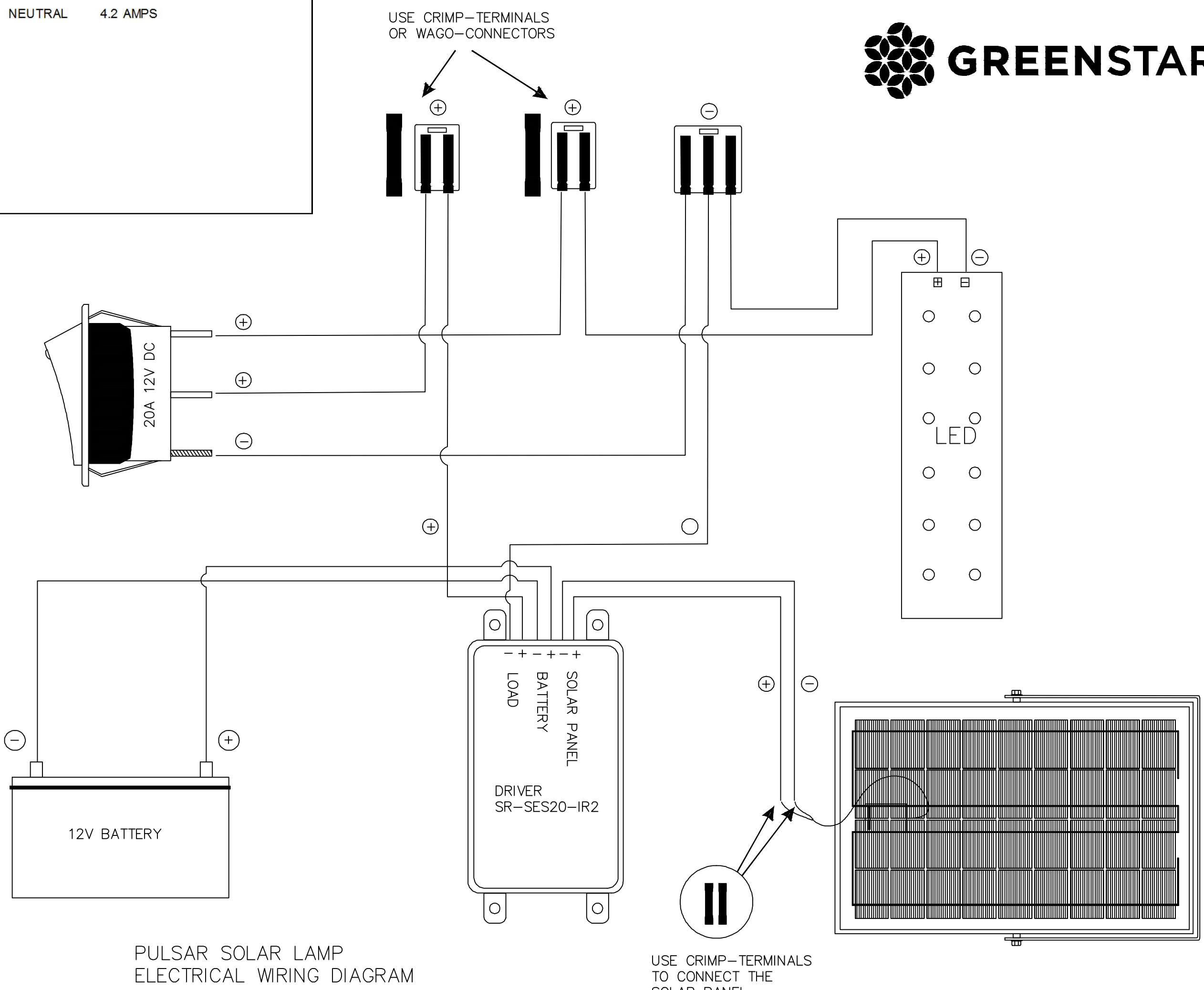
EAST ELEVATION
SCALE: 1/8"=1'-0"



SOUTH ELEVATION
SCALE: 1/8"=1'-0"

LIST OF ABBREVIATIONS	
SYMBOL	DESCRIPTION
A/AMP	AMPERE
AC	ABOVE COUNTER
AFF	ABOVE FINISHED FLOOR
AWG	AMERICAN WIRE GAUGE
AS/AF	AMPERE SWITCH/AMPERE FUSE
AF/AT	AMPERE FRAME/AMPERE TRIP
ATS	AUTOMATIC TRANSFER SWITCH
BMSC	BUILDING MANAGEMENT SYSTEM CONTROL
BLDG	BUILDING
C	CONDUIT
CAT 5	DATA CABLE
C/B, CB	CIRCUIT BREAKER
CKT	CIRCUIT
COMM	COMMUNICATIONS
CT	CURRENT TRANSFORMER
DMSC	DATA MANAGEMENT SYSTEM CONTROL
DWG	DRAWING
EC	EMPTY CONDUIT
ELEC	ELECTRIC
EM	LIGHTING FIXTURE WITH EMERGENCY BATTERY PACK
EMR	ELEVATOR MACHINE ROOM
EQ GND	EQUIPMENT GROUND (EG)
EWC	ELECTRIC WATER COOLER
FACP	FIRE ALARM CONTROL PANEL
F.A.	FIRE ALARM
FBO	FURNISHED BY OTHERS
FBI	FURNISHED BY OTHERS, INSTALLED BY ELECTRICAL CONTRACTOR
FCO	FUSE CUTOFF
FCS	FIRE COMMAND STATION
FLUOR.	FLUORESCENT
FU	FUSE
G	GROUND
GFI	GROUND FAULT INTERRUPTER
GFP	GROUND FAULT PROTECTION
HTR	HEATER
HP	HORSE POWER
J/JB	JUNCTION BOX
KVA	KILOVOLT AMPERE
KW	KILOWATT
LTC	LIGHTING
LV	LOW VOLTAGE
MCB	MAIN CIRCUIT BREAKER
MECH	MECHANICAL
MER	MECHANICAL EQUIPMENT ROOM
MLO	MAIN LUGS ONLY
MW	MICROWAVE
N	NORMAL
NEC	NATIONAL ELECTRICAL CODE
NO.	NUMBER
N.T.S.	NOT TO SCALE
NYSEC	NEW YORK STATE ELECTRICAL CODE
P	POLES
PB	PULL BOX
PNL	PANEL
#/PH	PHASE
PWR	PERMANENTLY RIGID STEEL CONDUIT
RGS	RIGID GALVANIZED STEEL CONDUIT
SPECS	SPECIFICATIONS
SW	SWITCH
TEL.	TELEPHONE
TYP.	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
U.O.R.	UNLESS OTHERWISE REQUIRED
V	VOLT
VFD	VARIABLE FREQUENCY DRIVE
W	WIRE
WP	WEATHER PROOF

PANEL NAME: PP-1		PANEL SCHEDULE										LOCATION: Wall		
OPTIONS:		SERVICE:	208 VOLT	120	STANDARD:	SQUARE-D: NF								
COPPER BUSS, BOLT-ON BREAKERS		1 PHASE			AIC RATING:	22 KAIC								
FULL NEUTRAL		3 WIRE			MOUNTING:	SURFACE NEMA 1								
GROUND BUS					SIZE:	120 A MCB								
NOTES:														
WIRE SIZE	CIR.#	LOAD DESCRIPTION	BKR	KVA	PH	KVA	BKR	LOAD DESCRIPTION	CIR.#	WIRE SIZE				
3/4" C 2#12 1#12EG	1	Recepticles	1P20	0.2	A	0.4	1P20	Recepticles	2	3/4" C 2#12 1#12EG				
3/4" C 2#12 1#12EG	3	Recepticles	1P20	0.5	B	1.1	1P20	Overhead Door	4	3/4" C 2#12 1#12EG				
3/4" C 2#12 1#12EG	5	Recepticles	1P20	0.4	C	0.5	1P20	Recepticles	6	3/4" C 2#12 1#12EG				
3/4" C 2#12 1#12EG	7	Lighting	1P20	0.8	A	0.8	1P20	Lighting	8	3/4" C 2#12 1#12EG				
3/4" C 2#12 1#12EG	9	Wall Packs (2)	1P20	0.0	B		1P20	Exit Lighting	10	3/4" C 2#12 1#12EG				
3/4" C 2#12 1#12EG	11	Motorized Louver	1P20		C	1.2	1P20	Exhaust Fan	12	3/4" C 2#12 1#12EG				
3/4" C 2#12 1#12EG	13	HVAC Controls	1P20		A		1P20		14					
	15		1P20		B		1P20		16					
	17		1P20		C		1P20		18					
	19		1P20		A		1P20		20					
	21		1P20		B		1P20		22					
	23		1P20		C		1P20		24					
SUMMARY:		CONNECTED LOAD	D.F.	REMARKS	DEMAND LOAD	CONNECTED LOADS								
		LIGHTING: 1.6 KVA	1.00	PER NEC 220-11	1.6 KVA	PHASE A 17.6 AMPS								
		RECEPT: 2.0 KVA	1.00	PER NEC 220-13	2.0 KVA	PHASE B 13.7 AMPS								
		HVAC: 1.2 KVA	1.00	COOL LOAD USED FOR CALC.	1.2 KVA	PHASE C 17.9 AMPS								
		EQUIP: 1.1 KVA	0.65		0.7 KVA	NEUTRAL 4.2 AMPS								
		MISC: KVA			KVA									
TOTAL CONNECTED LOAD:		5.9 KVA		TOTAL DEMAND LOAD:	5.5 KVA									
				TOTAL DEMAND CURRENT:	26.5 AMPS									
NOTES: 1. GENERAL - VERIFY SIZE WITH EQUIPMENT NAMEPLATE DATA														
2. GFCI														
3. PROVIDE LOCK FOR THIS CKT														



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SYRACUSE HANCOCK
 INTERNATIONAL AIRPORT
 AIRFIELD EQUIPMENT
 COLD STORAGE BUILDING

No.	Submital / Revision	App'd	By	Date
1	Issued for Bid			3/16/20

ELECTRICAL ELEVATIONS AND DETAILS

Designed By: AMK
 Drawn By: AMK
 Checked By: JMK

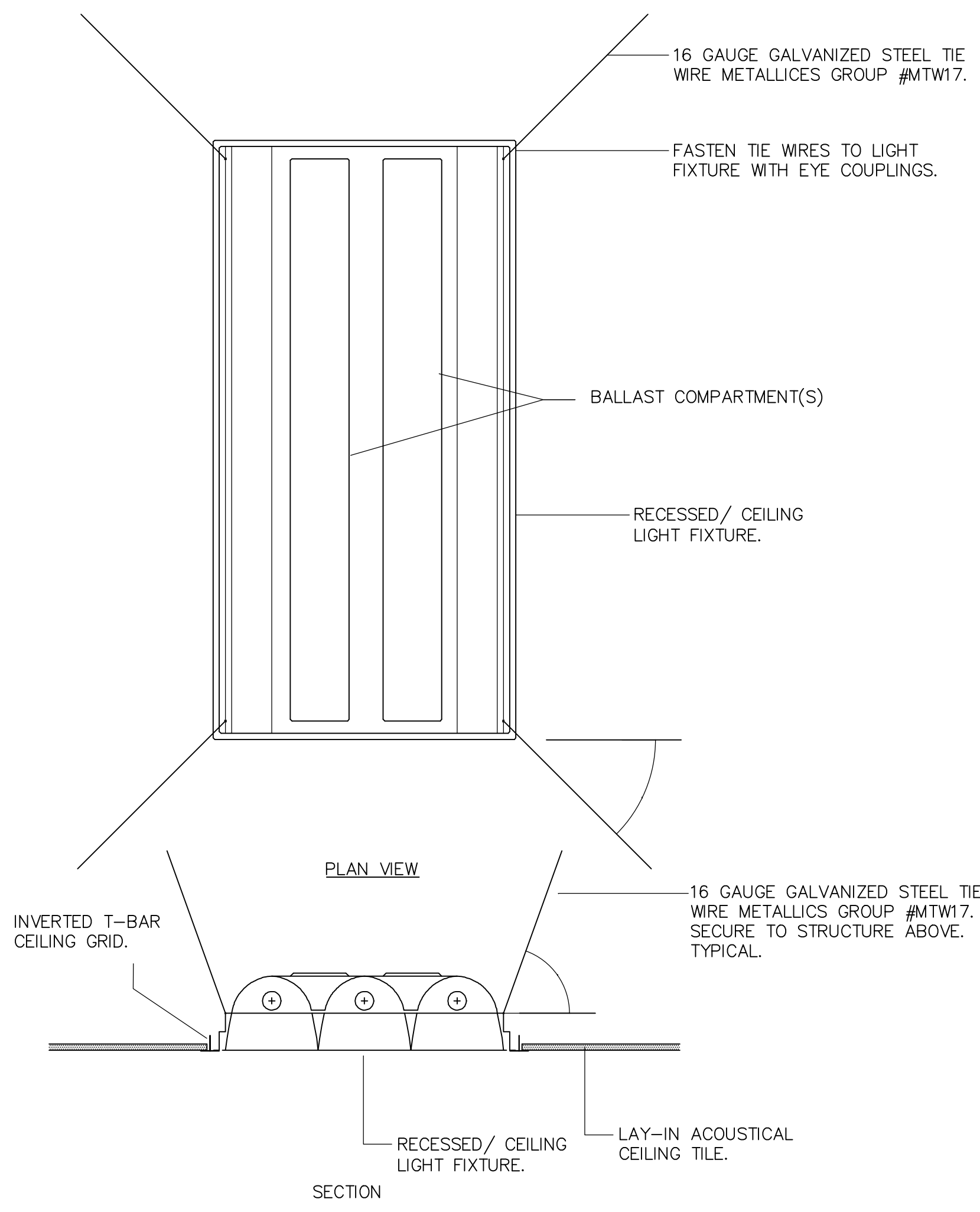
Issue Date: XXXXX
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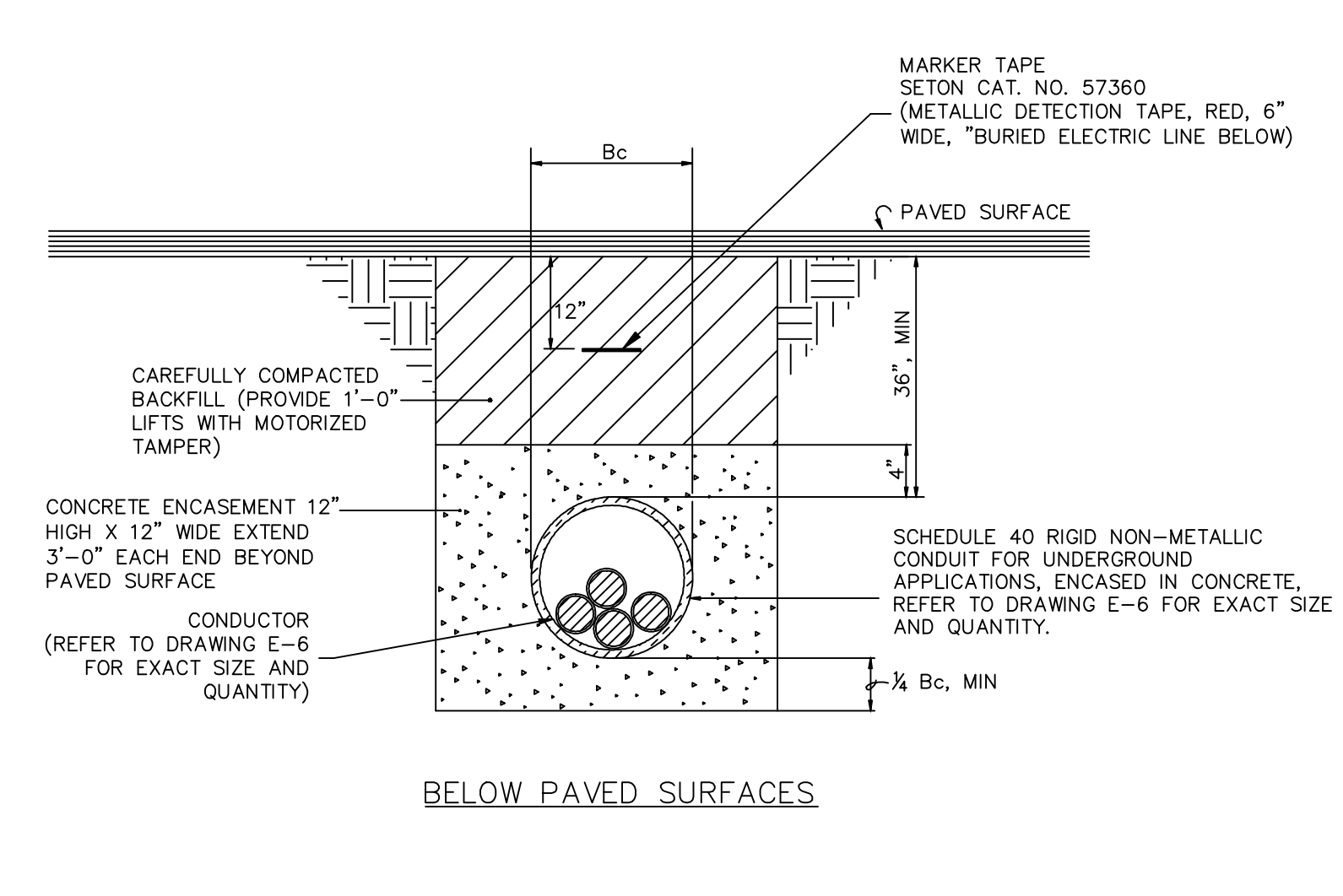
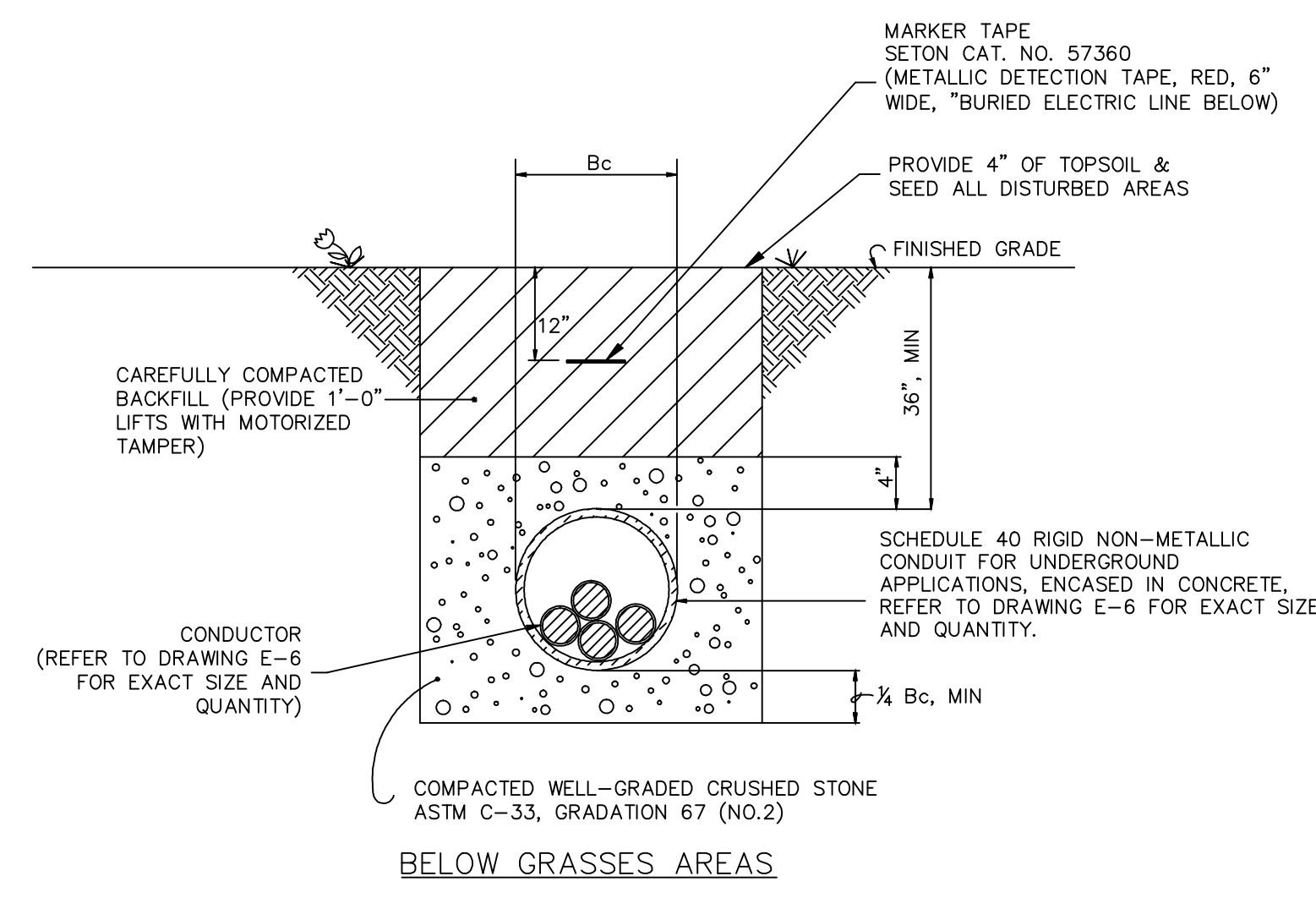
**ELECTRICAL
DETAILS
AND
SINGLE LINE**

Designed By: AMK	Drawn By: AMK	Checked By: JMK
Issue Date: XXXXX	Project No: 57700	Scale: AS SHOWN

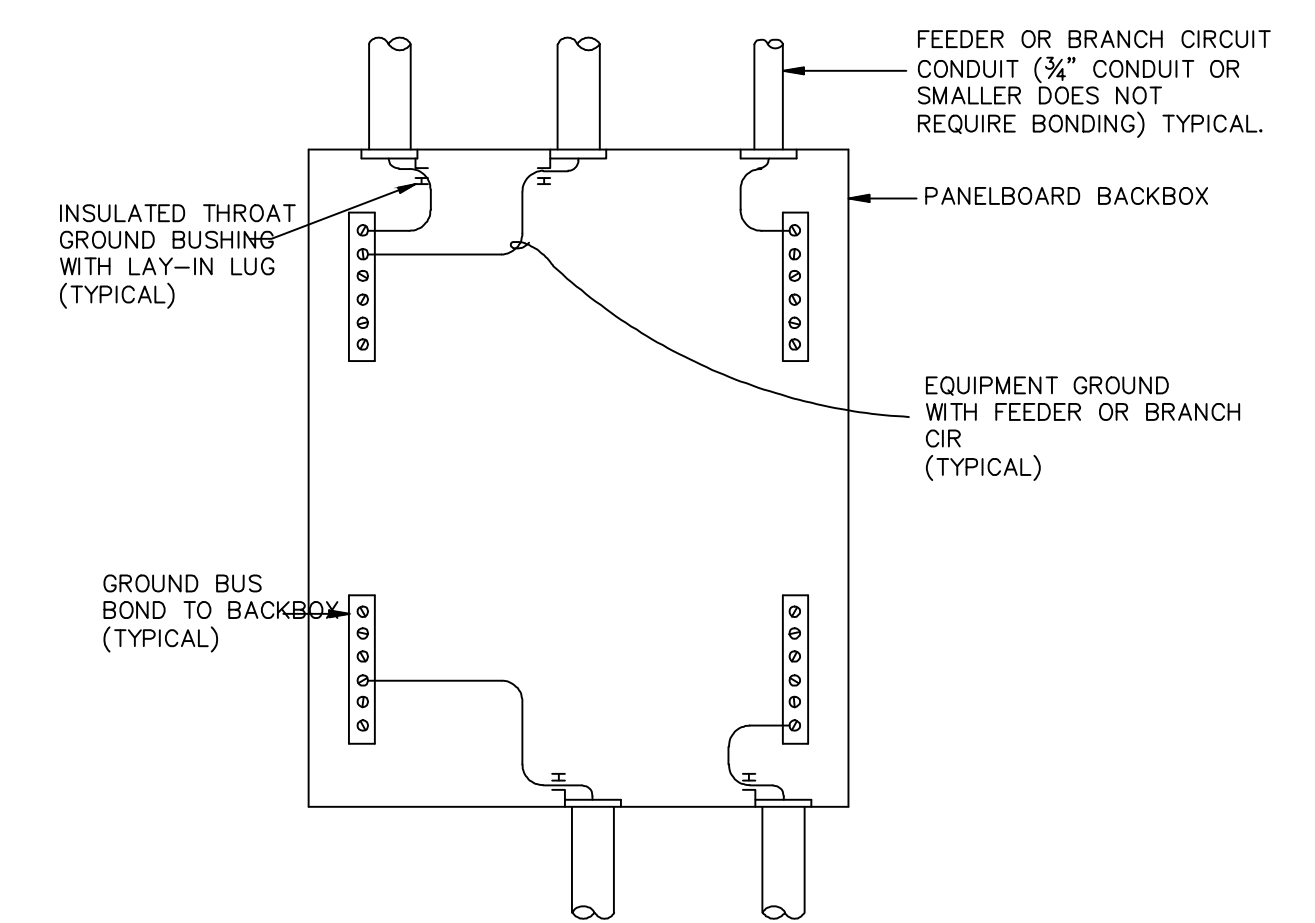
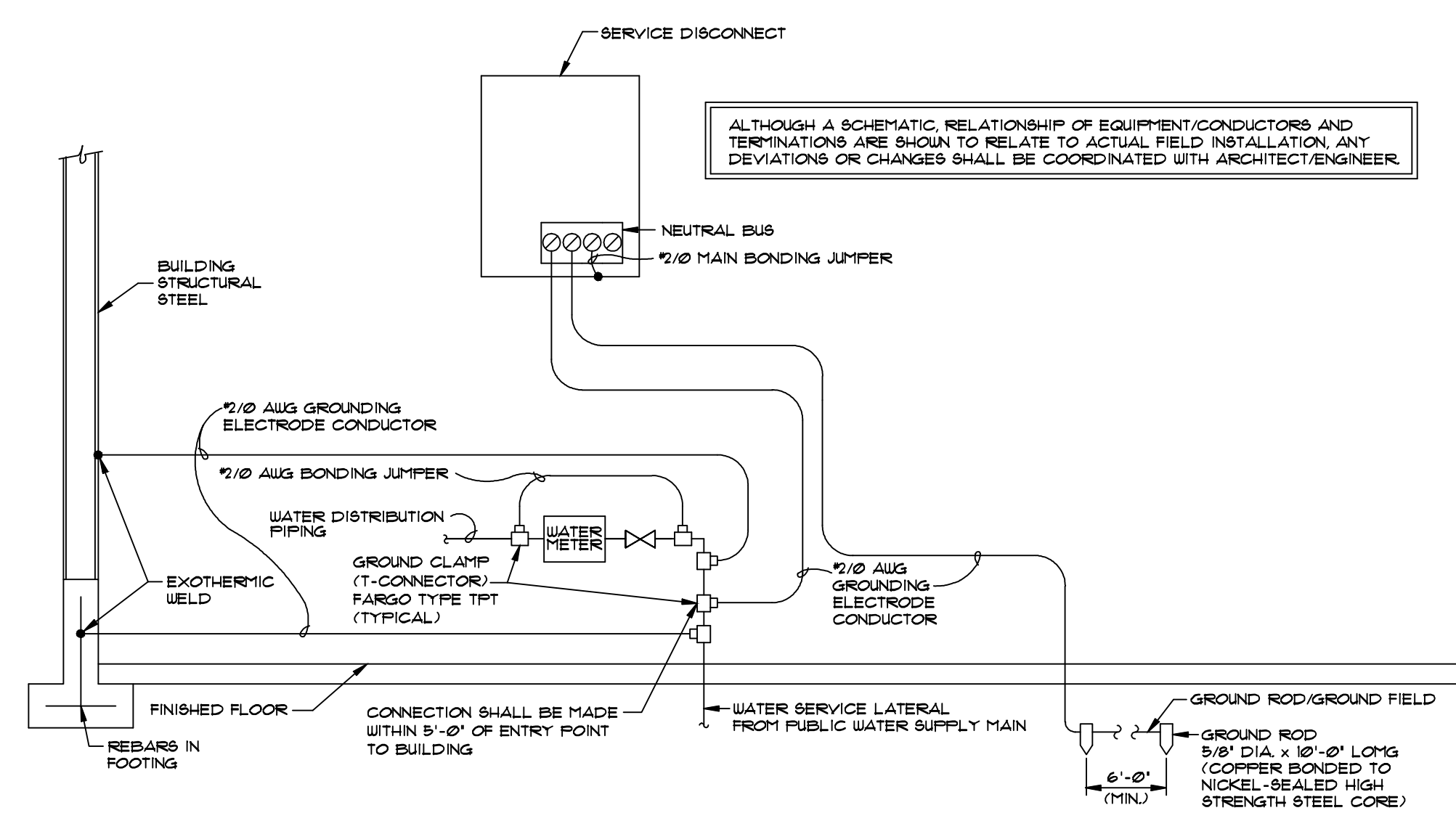
Drawing No.:
E-301



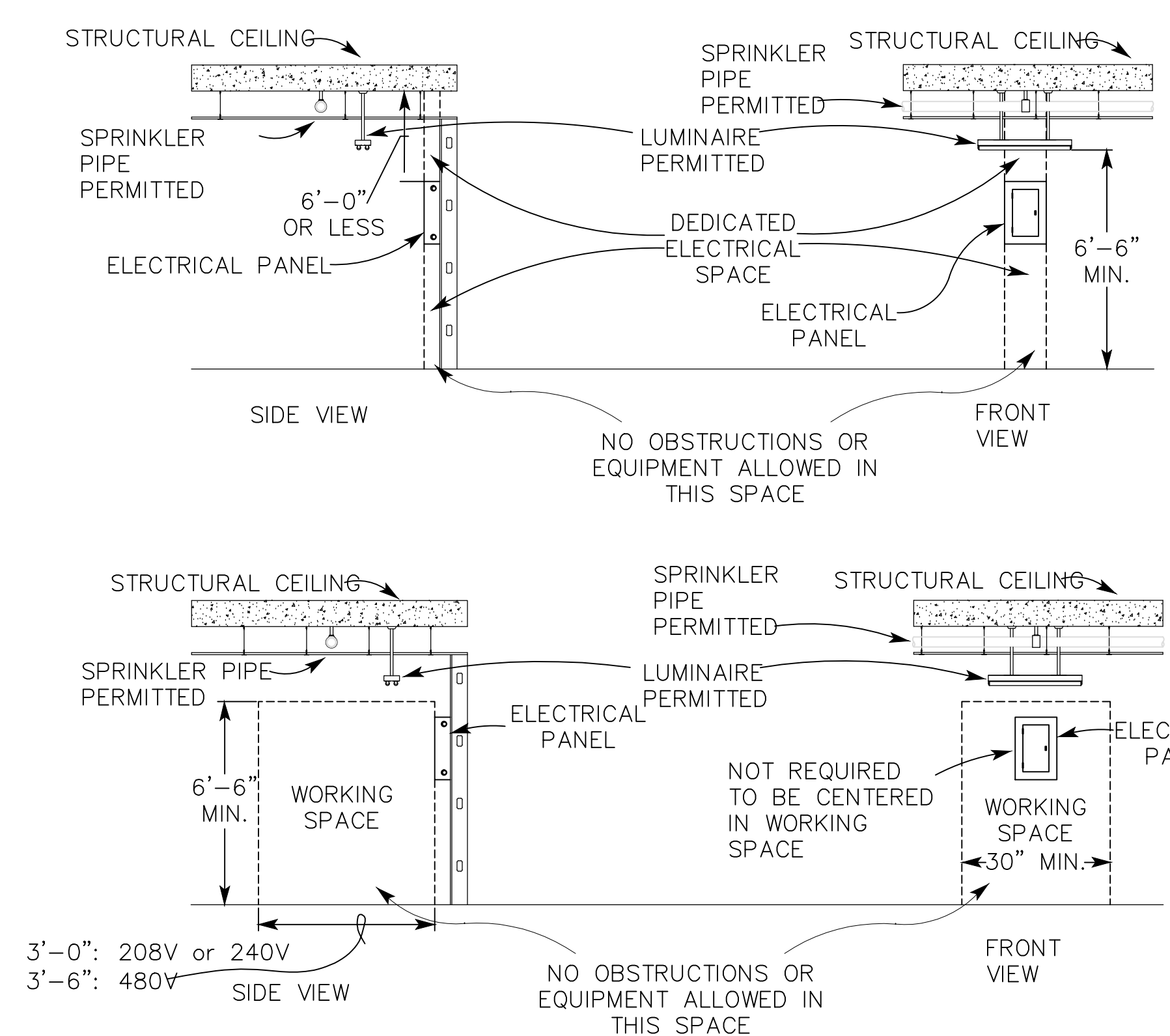
A LIGHTING SUPPORT DETAIL
E-301 SCALE: NTS



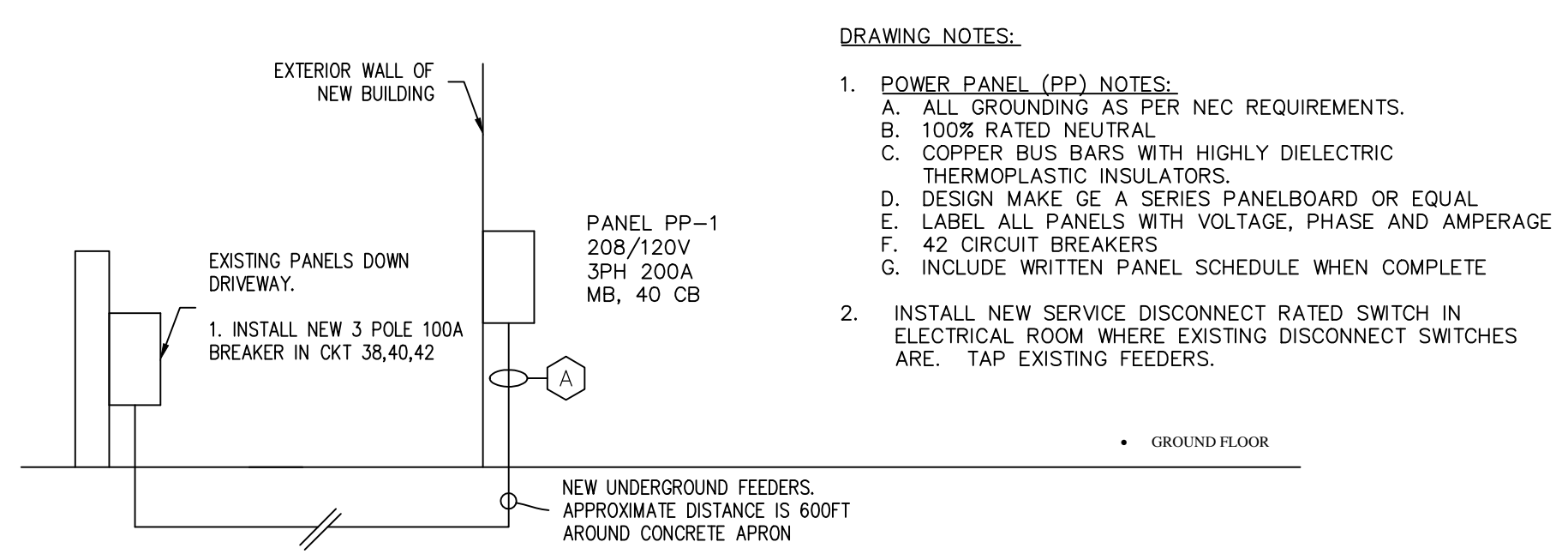
BELOW PAVED SURFACES



B ELECTRICAL DETAILS
E-301 SCALE: NTS



C ELECTRICAL DETAILS
E-301 SCALE: NTS



- DRAWING NOTES:**
- POWER PANEL (PP) NOTES:
 - A. ALL GROUNDING AS PER NEC REQUIREMENTS.
 - B. 100% RATED NEUTRAL
 - C. COPPER BUS BARS WITH HIGHLY DIELECTRIC THERMOPLASTIC INSULATORS.
 - D. DESIGN MAKE GE A SERIES PANELBOARD OR EQUAL
 - E. LABEL ALL PANELS WITH VOLTAGE, PHASE AND AMPERAGE
 - F. 42 CIRCUIT BREAKERS
 - G. INCLUDE WRITTEN PANEL SCHEDULE WHEN COMPLETE
 - INSTALL NEW SERVICE DISCONNECT RATED SWITCH IN ELECTRICAL ROOM WHERE EXISTING DISCONNECT SWITCHES ARE. TAP EXISTING FEEDERS.

FEEDER SCHEDULE			
FEEDER	ALL FEEDERS MAY NOT APPEAR ON DWG.	QTY	CONDUITS NUM COPPER CONDUCTORS
A	3W110	1	2" 3 #1 AWG & 1 #8 GND

D ELECTRICAL SINGLE LINE
E-301 SCALE: NTS