

Speculative Shell Building

US Hwy 41 and Frank Yost Lane
Hopkinsville, Kentucky 42240



SHEET NUMBER	SHEET NAME	SET ISSUES				SHEET ISSUE DATE	CURRENT REVISION DATE	CURRENT REVISION DESCRIPTION
		REV #1	REV #2	REV #3	REV #4			
GENERAL								
G 0.1	TITLE SHEET	X				8.10.2020		
G 0.2	GENERAL NOTES	X				8.10.2020		
CIVIL								
C	COVER SHEET	X				8.20.2020		
C 1.10	EXISTING SITE TOPOGRAPHIC	X				8.20.2020		
C 1.20	SITE LAYOUT PLAN	X				8.20.2020		
C 1.30	GRADING PLAN	X				8.20.2020		
C 1.31	UTILITY PLAN	X				8.20.2020		
C 1.40	LANDSCAPE PLAN	X				8.20.2020		
C 1.50	DETAILS	X				8.20.2020		
C 1.51	DETAILS	X				8.20.2020		
C 1.60	GENERAL NOTES	X				8.20.2020		
C 1.70	SWPPP GENERAL NOTES	X				8.20.2020		
ARCHITECTURAL								
A 2.1	DEPICTIVE FLOOR PLAN	X				8.10.2020		
A 2.2	DIMENSIONING FLOOR PLAN	X				8.10.2020		
A 3.1	EXTERIOR ELEVATIONS	X				8.10.2020		
A 4.1	DOOR SCHEDULE & ELEVATIONS	X				8.10.2020		
A 4.2	WINDOW SCHEDULE & ELEVATIONS	X				8.10.2020		
A 5.1	BUILDING SECTIONS	X				8.10.2020		
A 5.2	WALL SECTIONS	X				8.10.2020		
A 5.3	WALL SECTIONS	X				8.10.2020		
A 5.4	WALL SECTIONS	X				8.10.2020		
A 9.1	TYPICAL STEEL STUD FRAMING DETAILS	X				8.10.2020		
MECHANICAL								
M 1.1	DETAILS	X				8.10.2020		
M 2.1	HVAC SCHEDULES AND DETAILS	X				8.10.2020		
ELECTRICAL								
E 1.0	ELECTRICAL SITE PLAN	X				8.10.2020		
E 1.1	LIGHTING FLOOR PLAN	X				8.10.2020		
E 2.1	POWER FLOOR PLAN	X				8.10.2020		
E 3.1	ELECTRICAL DETAILS	X				8.10.2020		



Jonathan W. Clark
Lic. No.: 7243
Exp. - June 30, 2021

PROJECT INFORMATION:
Project Name:
Speculative Shell Building

Project Address:
US Hwy 41 and Frank Yost Lane
Hopkinsville, Kentucky 42240

Project Number:
20102

Drawn By:
WCE
Date:
8.10.2020

#	Revision Date:

Jonathan W. Clark,
Architect

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Clarksville, Tennessee 37040
p - 931.552.3860
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Sheet Name
TITLE SHEET

Sheet Number
G 0.1

PROJECT TEAM

OWNER:
Hopkinsville Industrial Foundation Board
2800 Ft. Campbell Boulevard
Hopkinsville, Kentucky 42240
Tel: 270.885.1491

CIVIL:
Ronald Johnson & Associates, P.S.C.
24 West Center Street
Madisonville, Kentucky 42431
Tel: (270) 821-6342
Engineer of Record: C.F. Williams
Project Manager: C.F. Williams

ARCHITECT:
Jonathan W. Clark, Architect
55 N. 1st Street Suite 300
Clarksville, Tennessee 37040
Tel: (931) 552-3860
Architect of Record: Jonathan W. Clark
Project Manager: Jonathan W. Clark

MECHANICAL/PLUMBING/ELECTRICAL:
WBA Engineering, Inc.
3000 Canton Street
Hopkinsville, Kentucky 42240
Tel: (270) 886-2596
Engineer of Record: Thomas Waldron
Project Manager: Thomas Waldron

PROJECT INFORMATION

CODE DATA:
2018 Kentucky Building Code (based on 2015 IBC)
2015 International Mechanical Code
2015 International Fire Code (when specifically referenced by the KBC)
2012 International Energy Conservation Code
2009 ICC/ANSI A117.1 - Accessible & Usable Buildings and Facilities
2013 Kentucky Plumbing Code (815 KAR Chapter 20)
2012 NFPA 54 - National Fuel Gas Code
2017 NFPA 70 - National Electrical Code
2013 NFPA 72 - National Fire Alarm and Signaling Code
2012 NFPA 101 Life Safety Code
2010 U.S. Department of Justice Code of Federal Regulations
ADA Standards for Accessible Design

BUILDING INFORMATION:
CONSTRUCTION TYPE: **II-b (Shell only - Facility shall be fully sprinkled in accordance w/ 903.3.1.1)**
OCCUPANCY TYPE: **This facility is being designed as a shell space only. The assumption is that the facility could be used for a variety of uses. We have factored the following:**
Warehouse (Moderate Hazard), *S-1 Storage Occupancy*
Factory (Moderate Hazard Industrial), *F-1 Factory Industrial Occupancy*
Factory (Low Hazard Industrial), *F-2 Factory Industrial Occupancy*
Laboratories: Testing and Research, *Group B - Business Occupancy*

IECC CLIMATE ZONE: 4a

NUMBER OF STORIES: Allowable: **THREE (based on most restrictive usage)**
Actual: **ONE (Potentially TWO for future office/administrative use)**

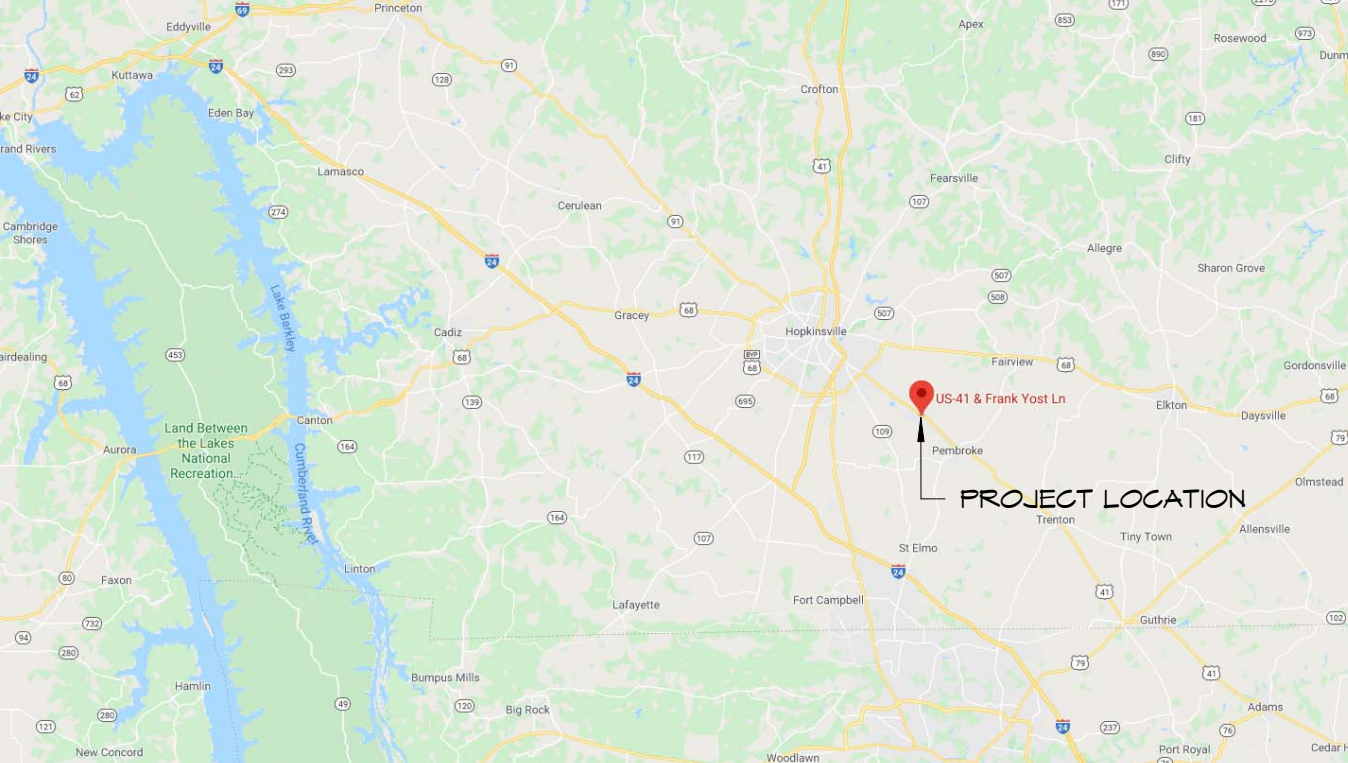
HEIGHT OF BUILDING: Allowable: **55'-0"**
Actual: **47'-6" MAX to top of parapet**

SQUARE FOOTAGE: Allowable: **UNLIMITED (per 2018 KBC 507.5)**
Actual: **100,800 Gross SF Total**

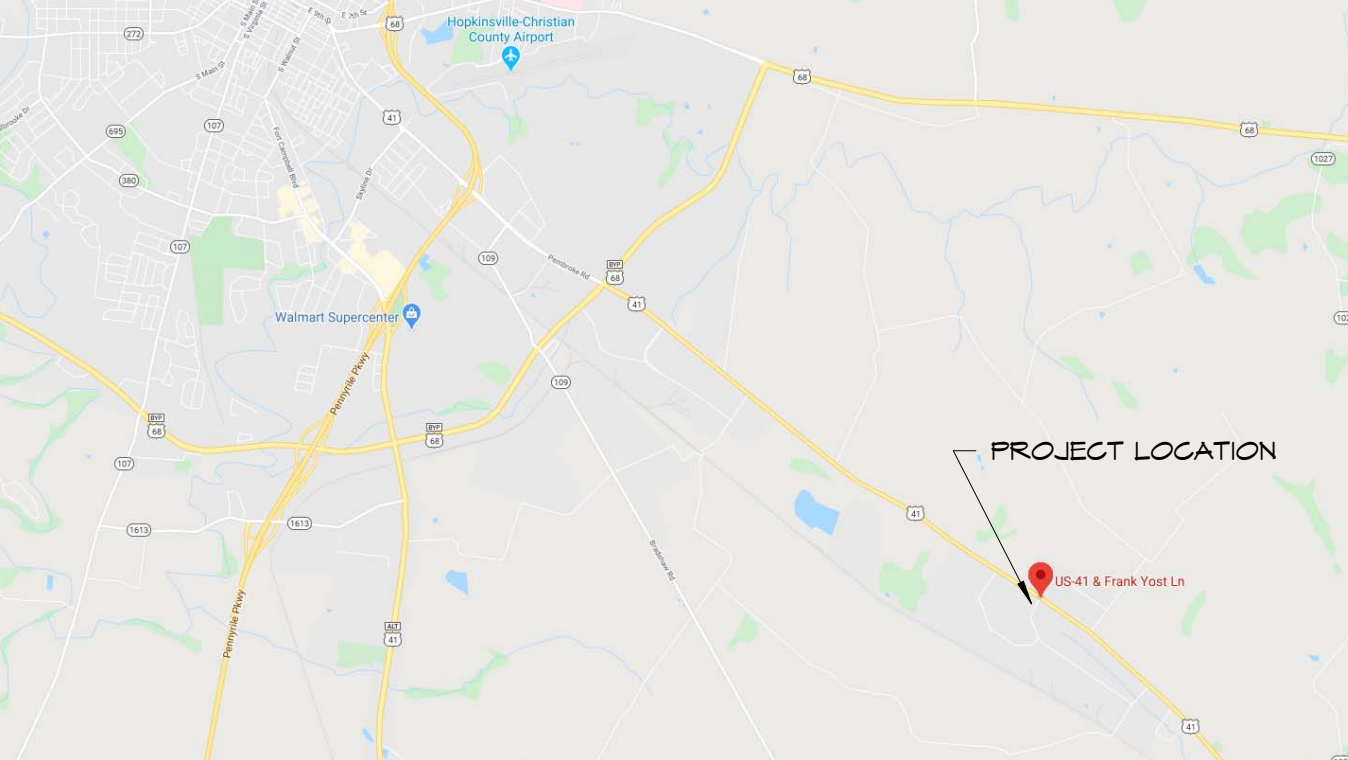
OCCUPANCY LOAD: Warehouse (Moderate Hazard) S-1:
100,800 SF @ 500 GSF/PERSON = **202 occupants**
Factory (Moderate Hazard Industrial) F-1:
100,800 SF @ 100 GSF/PERSON = **1,008 occupants**
Factory (Low Hazard Industrial) F-2:
100,800 SF @ 100 GSF/PERSON = **1,008 occupants**
Laboratories: Testing & Research B:
100,800 SF @ 150 GSF/PERSON = **672 occupants**

MEANS OF EGRESS: (8) openings of 34.25' @ 2"/person = **1,368 occupants**
(1) opening of 68.5' @ 2"/person = **342 occupants**
TOTAL Capacity= 1,710 occupants (exceeds maximum occupancy)

AREA MAP



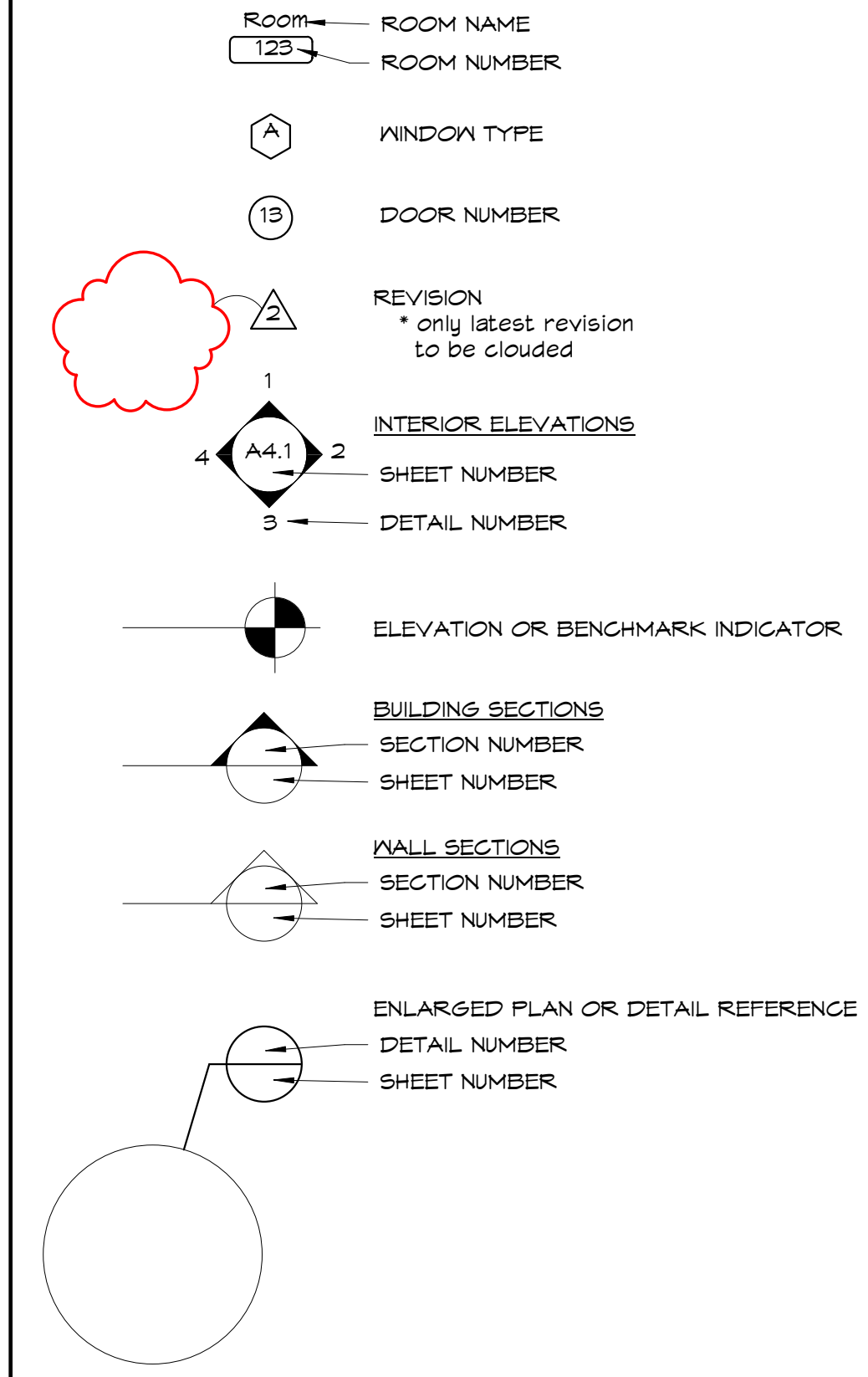
VICINITY MAP



ARCHITECTURAL ABBREVIATIONS:

C	CENTERLINE	FA	FIRE ALARM	PIV	POST INDICATOR VALVE
AND	AND	FND	FLOOR DRAIN	PL	PLATE
@	AT	FDG	FIRE DEPARTMENT CONNECTION	P. LAM	PLASTIC LAMINATE
#	NUMBER or POUNDS	FDN	FOUNDATION	PLAS	PLASTIC
AB	ANCHOR BOLT	FE	FIRE EXTINGUISHER	PM	PLYWOOD
AC	ASPHALTIC CONCRETE	FEC	FIRE EXTINGUISHER CABINET	PR	PAIR
ACOUS	ACOUSTICAL	FH	FIRE HYDRANT	PRGST	PREGAST
ACT	ACOUSTICAL CEILING TILE	FHC	FIRE HOSE CABINET	PT	PRESSURE TREATED
AD	AREA DRAIN	FIN	FINISH	PTN	PARTITION
ADJ	ADJUSTABLE	FJ	FLOOR JOIST	PVG	PAVING
AFF	ABOVE FINISH FLOOR	FLASH	FLASHING	QT	QUARRY TILE
AGG	AGGREGATE	FLR	FLOOR	(R)	REMOVE
ALUM	ALUMINUM	FLUOR	FLUORESCENT	(REL)	RELOCATE
ANGOD	ANGLED	FO	FRAMED OPENING	R	RISER
AP	ACCESS PANEL	FOC	FACE OF CONCRETE	RAD	RADIUS
APPROX	APPROXIMATELY	FOF	FACE OF FINISH	RAF	RAISED ACCESS FLOORING
ARCH	ARCHITECTURAL	FOM	FACE OF MASONRY	RD	ROOF DRAIN
BD	BOARD	FOS	FACE OF STUD	REF	REFERENCE
BITUM	BITUMINOUS	FRPF	FIREPROOF	REFR	REFRIGERATOR
BLDG	BUILDING	FRPL	FIREPLACE	REG	REGISTER
BLK	BLOCK	FS	FLOOR SINK	REIN	REINFORCED
BM	BEAM	FT	FOOT	REQ'D	REQUIRED
CAB	CABINET	FTG	FOOTING	RESIL	RESILIENT
CB	CATCH BASIN	FUR	FURRING	RET	RETAINING
CCTV	CLOSED CIRCUIT TELEVISION	FUT	FUTURE	RM	ROOM
CEM	CEMENT	GA	GAUGE	RO	ROUGH OPENING
CER	CERAMIC	GALV	GALVANIZED	RWL	RAIN WATER LEADER
CI	CAST IRON	GB	GRAB BAR	S	SOUTH
CIP	CAST IN PLACE	GFRG	GLASS FIBER REINFORCED CONCRETE	SC	SOLID CORE
CJ	CONTROL JOINT	GFRG	GLASS FIBER REINFORCED GYPSUM	SCD	SEE CIVIL DRAWINGS
CLG	CEILING	GL	GLASS	SCHED	SCHEDULE
CLKG	CAULKING	GND	GROUND	SECT	SECTION
CLOS	CLOSET	GR	GRADE	SED	SEE ELECTRICAL DRAWINGS
CLR	CLEAR	GYP	GYPSUM	SHT	SHEET
CMU	CONCRETE MASONRY UNIT	(H) or HT	HEIGHT	SK	SINK
CO	CLEAN OUT	HB	HOSE BIBB	SIM	SIMILAR
COL	COLUMN	HC	HOLLOW CORE	SMD	SEE MECHANICAL DRAWINGS
CONC	CONCRETE	HCP	HANDICAPPED	SMS	SHEET METAL SCREW
CONN	CONNECTION	HDWR	HARDWARE	SPEC	SPECIFICATION
CONST	CONSTRUCTION	HEPA	HIGH EFFICIENCY PARTICULATE AIR (FILTER)	SPD	SEE PLUMBING DRAWINGS
CONT	CONTINUOUS	HM	HOLLOW METAL	SQ	SQUARE
CORR	CORRIDOR	HORIZ	HORIZONTAL	SS	STAINLESS STEEL
CT	CERAMIC TILE	ID	INSIDE DIAMETER	SSD	SEE STRUCTURAL DRAWINGS
CTSK	COUNTERSINK	INSUL	INSULATION	SSK	SERVICE SINK
CTR	CENTER	INT	INTERIOR	STA	STATION
(D)	DEMOLISH	JAN	JANITOR	STD	STANDARD
DBL	DOUBLE	JBT	JOIST	STL	STEEL
DEPT	DEPARTMENT	JT	JOINT	STOR	STORAGE
DET	DETAIL	(L)	LENGTH	STRUC	STRUCTURAL
DF	DRINKING FOUNTAIN	LAB	LABORATORY	SUSP'D	SUSPENDED
DIA	DIAMETER	LAM	LAMINATE	SYM	SYMMETRICAL
DIM	DIMENSION	LAV	LAVATORY	T	TREAD
DISP	DISPENSER	LB or #	POUND	T&G	TONGUE & GROOVE
DN	DOWN	LKR	LOCKER	TA	TOILET ACCESSORY
DR	DOOR	LT	LIGHT	TC	TOP OF CURB
DS	DOWNSPOUT	MAX	MAXIMUM	TEL	TELEPHONE
DSP	DRY STANDPIPE	MECH	MECHANICAL	TERR	TERRAZZO
DW	DISHWASHER	MFR	MANUFACTURER	THK	THICK
DWG	DRAWING	MH	MANHOLE	TOS	TOP OF STEEL
DWR	DRAWER	MIN	MINIMUM	TOW	TOP OF WALL
(E) or EXIST	EXISTING	MIR	MIRROR	TYP	TYPICAL
E	EAST	MISC	MISCELLANEOUS	UBC	UNIFORM BUILDING CODE
EA	EACH	MO	MASONRY OPENING	UL	UNDERWRITERS LABORATORY
EIFS	EXTERIOR INSULATED FINISH SYSTEM	MTD	MOUNTED	UNFIN	UNFINISHED
EJ	EXPANSION JOINT	MTL	METAL	ULFA	ULTRA-LOW PARTICULATE AIR (FILTER)
EL	ELEVATION	MUL	MULLION	UON	UNLESS OTHERWISE NOTED
ELEC	ELECTRICAL	MVO	MICROWAVE OVEN	VCT	VINYL COMPOSITION TILE
ELEV	ELEVATOR	(L)	NEW	VERT	VERTICAL
EMER	EMERGENCY	N	NORTH	VIF	VERIFY IN FIELD
ENCL	ENCLOSED	NIC	NOT IN CONTRACT	(W)	WIDTH
EP	ELECTRIC PANELBOARD	NO or #	NUMBER	W	WITH
EQ	EQUAL	NOM	NOMINAL	W/O	WITHOUT
EQUIP	EQUIPMENT	NTS	NOT TO SCALE	WC	WATER CLOSET
ENC	ELECTRIC WATER COOLER	O/	OVER	WD	WOOD
EXP	EXPANSION	OA	OVER ALL	WDN	WINDOW
EXPO	EXPOSED	OFF	OFFICE	WP	WATERPROOF
EXT	EXTERIOR	OC	ON CENTER	WR	WATER RESISTANT
		OD	OUTSIDE DIAMETER or OVERFLOW DRAIN	WSCT	WAINSCOT
		OPGI	OWNER PROVIDED, CONTRACTOR INSTALLED	WT	WEIGHT
		OPNS	OPENING		
		OPOI	OWNER PROVIDED, OWNER INSTALLED		
		OPP	OPPOSITE		

ARCHITECTURAL SYMBOLS:



GENERAL NOTES:

- CONTRACTOR TO FIELD VERIFY ALL CONDITIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK.
- CONDITIONS THAT ARE NOT DETAILED SHALL BE ASSUMED TO BE SIMILAR IN CHARACTER TO THOSE WHICH ARE WHERE SPECIFIC DIMENSIONS, DETAILS OR DESIGN INTENT CANNOT BE DETERMINED, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
- ALL WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE. DO NOT SCALE THE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE ARCHITECT BEFORE CONTINUING WITH CONSTRUCTION.
- DIMENSIONS ARE TAKEN FROM TO FACE OF STUD, FACE OF CONCRETE, OR FACE OF MASONRY, CENTERLINE OF COLUMN, UNLESS OTHERWISE NOTED OR DETAILED. TOILET FIXTURE LOCATIONS ARE TYPICALLY DIMENSIONED FROM FACE OF ADJACENT FINISH IN ORDER TO COMPLY WITH FEDERAL AND LOCAL ADA CODES.
- WHERE REQUIRED FOR FIRE RESISTIVE CONSTRUCTION, ALL WOOD TRIM, SPACERS, FILLERS, BLOCKING, ETC. SHALL BE TREATED.
- ALL PIPES, DUCTS, AND CONDUITS THAT PENETRATE FLOOR SLABS AND/OR STRUCTURAL WALLS SHALL BE INSTALLED IN A MANNER THAT PRESERVE THE FIRE RESISTANCE AND STRUCTURAL INTEGRITY OF THE BUILDING.
- COORDINATE PLACEMENT OF ALL CEILING ELEMENTS WITH MECHANICAL, ELECTRICAL, FIRE PROTECTION, AND CEILING SUBCONTRACTORS. WHERE DISCREPANCIES EXIST BETWEEN DRAWINGS AND INSTALLATION, THE GENERAL CONTRACTOR SHALL CONSULT THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
- THE DRAWINGS DO NOT SHOW ALL REQUIRED ACCESS PANELS. THE GENERAL CONTRACTOR SHALL CONSULT WITH ALL SUB-CONTRACTORS AND SUBMIT DRAWINGS SHOWING REQUIRED ACCESS PANELS AND INDICATING BOTH SIZE AND TYPE.
- THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL STIFFENERS, BRACINGS, BACK-UP PLATES, AND SUPPORTING BRACKETS REQUIRED FOR THE INSTALLATION OF ALL TOILET ROOM ACCESSORIES AND PARTITIONS, AND ALL WALL MOUNTED OR SUSPENDED MECHANICAL, ELECTRICAL, AND MISCELLANEOUS EQUIPMENT.
- CASEWORK DIMENSIONS SHALL BE FIELD VERIFIED PRIOR TO FABRICATION AND INSTALLATION OF CASEWORK.
- HANDICAPPED TOILET GRAB BARS SHALL BE 1-1/2" DIA. STAINLESS STEEL W/ 1-1/2" CLEAR HAND SPACE BETWEEN THE INNER FACE OF THE GRAB BAR & THE FINISHED FACE OF THE WALL. GRAB BARS SHALL BE DESIGNED, CONSTRUCTED & INSTALLED TO RESIST A CONCENTRATED LOAD OF 250 POUNDS APPLIED AT ANY POINT & IN ANY DIRECTION.
- HANDICAPPED LAVATORY SHALL HAVE A CLEAR KNEE SPACE OF 2'-5" & A FINISHED HEIGHT OF 2'-10". ALL EXPOSED PIPING IS TO BE INSULATED.
- PROVIDE 2"x6" WOOD BLOCKING BETWEEN STUDS FOR ATTACHMENT OF WALL-HUNG FURNISHINGS & EQUIPMENT, INCLUDING LOCKERS.



Jonathan W. Clark
Lic. No.: 7243
Exp. - June 30, 2021

PROJECT INFORMATION:

Project Name:
Speculative Shell Building

Project Address:
US Hwy 41 and Frank Yost Lane
Hopkinsville, Kentucky 42240

Project Number:
20102

Drawn By:
WCE

Date:
8.10.2020

#	Revision Date:

Jonathan W. Clark,
Architect

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Sheet Name
GENERAL NOTES

Sheet Number
G 0.2

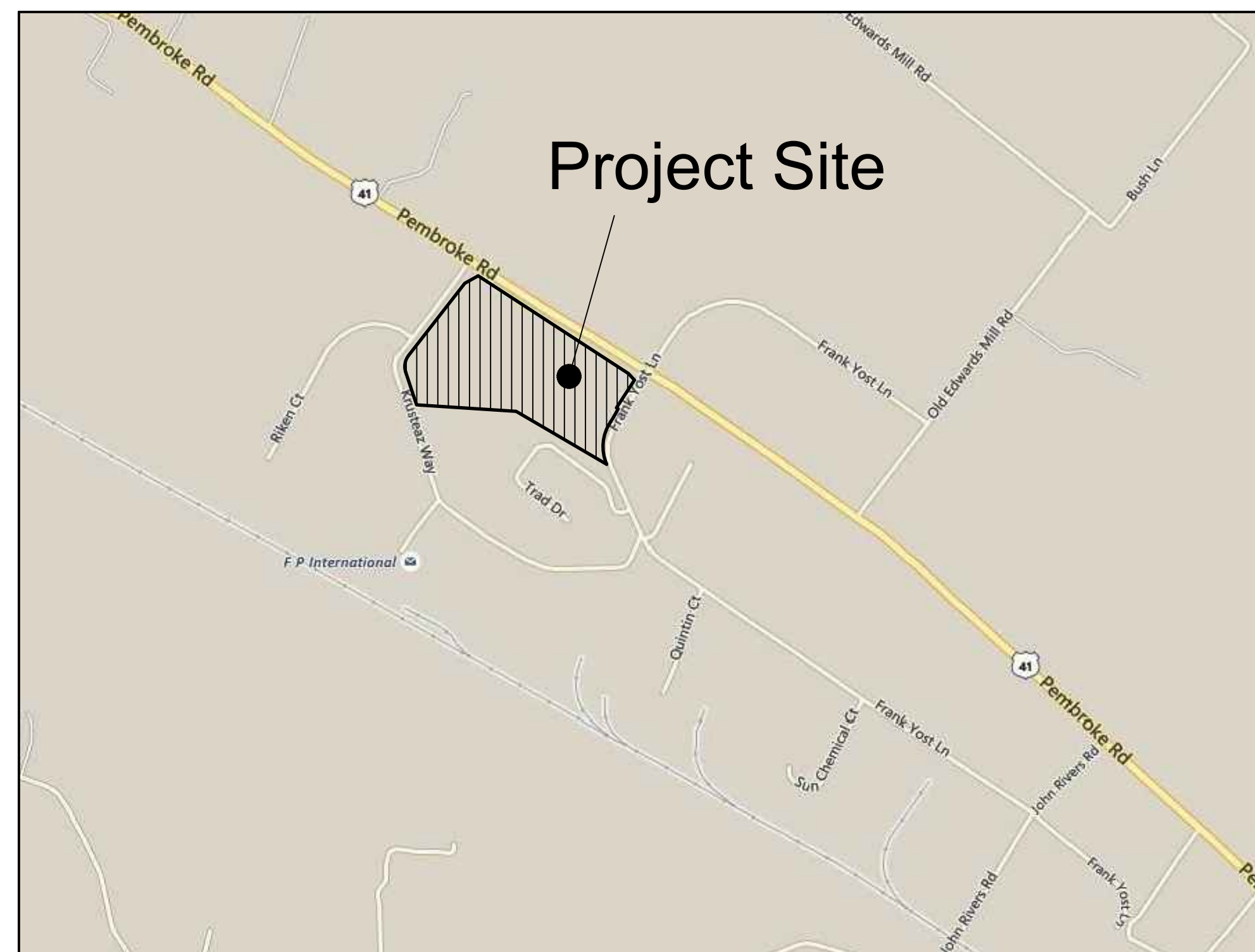
COMMERCE PARK

FRANK YOST LANE

CHRISTIAN, COUNTY

HOPKINSVILLE INDUSTRIAL FOUNDATION, INC.
 HOPKINSVILLE, KENTUCKY
 AUGUST 2020

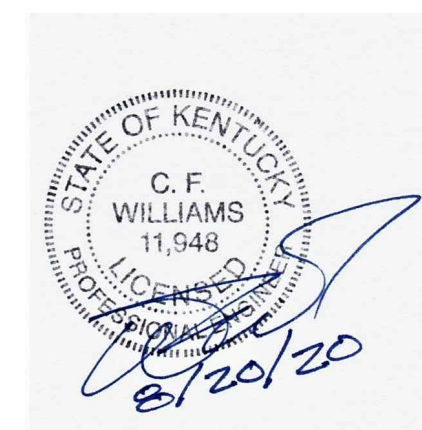
LEGEND	
●	1/2" REBAR SET W/PLASTIC CAP STAMPED "PLS 3277" UNLESS OTHERWISE NOTED.
■	1/2" REBAR SET W/ALUMINUM CAP STAMPED "RJ & ASSOC PLS 3277" IN CONCRETE
⊗	RIGHT OF WAY MARKER
△	EXISTING MONUMENTATION AS NOTED.
○	MEANDER POINT
⊙	BENCHMARK - AS NOTED
---	PROPERTY LINE
- - -	ADJOINING PROPERTY LINE
- · - · -	UTILITY EASEMENT
- · · - ·	DITCH / SWALE
GV ⊕	GAS VALVE
GM ⊗	GAS METER/POST
WV ⊕	WATER VALVE
FH ⊕	FIRE HYDRANT
⊕	WATER METER
—G—	GAS LINE
—W—	WATER LINE
X 000.00	SPOT ELEV (EXISTING)
X 000.00	SPOT ELEV (PROPOSED)
TP ⊕	TELEPHONE POLE
PP ⊕	POWER POLE/UTILITY POLE
GUY ⊕	POLE GUY
LP ⊕	LIGHT POLE
OHE —OHE—	OVERHEAD ELECTRIC LINE
OHT —OHT—	OVERHEAD TELEPHONE LINE
OHC —OHC—	OVERHEAD CABLE LINE
UGE —UGE—	UNDERGROUND ELECTRIC LINE
UGT —UGT—	UNDERGROUND TELEPHONE LINE
UGC —UGC—	UNDERGROUND CABLE LINE
CO ○	CLEANOUT
⊕	STORM SEWER MANHOLE
⊕	TELEPHONE MANHOLE
⊕	TELEPHONE BOX
⊕	FIBER OPTICS
DI □	DROP INLET
RCP ==	REINFORCED CONCRETE PIPE
PVC ==	POLY VINYL CHLORIDE PIPE
CMP ==	CORRUGATED METAL PIPE
—S—	EXISTING SANITARY SEWER LINE
MH ⊕	SANITARY SEWER MANHOLE



VICINITY MAP
 NOT TO SCALE
 PREPARED BY:

RONALD JOHNSON & ASSOCIATES, P.S.C.
 ENGINEERING • LAND SURVEYING • ENVIRONMENTAL

24 W Center St Madisonville, KY 42431 (270) 821-6392



DRAWING INDEX :	
SHT #	PLAN DESCRIPTION
	COVER SHEET
1.10	EXISTING SITE TOPOGRAPHIC
1.20	SITE LAYOUT PLAN
1.30	GRADING PLAN
1.31	UTILITY PLAN
1.40	LANDSCAPE PLAN
1.50	DETAILS
1.51	DETAILS
1.60	GENERAL NOTES
1.70	SWPPP GENERAL NOTES

UTILITY OWNERS

WATER
 HOPKINSVILLE WATER ENVIRONMENT AUTHORITY
 401 E 9TH STREET
 HOPKINSVILLE, KY 42240
 (270) 887-4146

WATER
 CHRISTIAN CO WATER DISTRICT
 1960 DAWSON SPRINGS ROAD
 HOPKINSVILLE, KY 42240
 (270) 886-3696

GAS
 ATMOS ENERGY CORP
 1833 E 9TH STREET
 HOPKINSVILLE, KY 42240
 (270) 886-6354

ELECTRIC
 HOPKINSVILLE ELECTRIC SYSTEM
 1820 E 9TH STREET
 HOPKINSVILLE, KENTUCKY 42240
 (270) 887-4200

ELECTRIC
 PENNYRILE RURAL ELECTRIC CO-OP
 2000 HARRISON STREET
 HOPKINSVILLE, KENTUCKY 42240
 (270) 886-2555

COMMUNICATION
 AT&T
 (602) 825-2721

COMMUNICATION
 SPECTRUM
 (866) 866-4959



B.U.D.
 Before digging the contractor shall locate underground utilities. The contractor is responsible for notifying Kentucky B.U.D. (1-800-752-6007) for verification of utilities. In addition, the contractor is responsible to contact all other utilities involved.



SITE

VICINITY MAP

LEGEND

● 1/2" REBAR SET W/PLASTIC CAP STAMPED "PLS 3277" UNLESS OTHERWISE NOTED.	TP ○ TELEPHONE POLE
■ 1/2" REBAR SET W/ALUMINUM CAP STAMPED "RJ & ASSOC PLS 3277" IN CONCRETE	PP ○ POWER POLE/UTILITY POLE
⊗ RIGHT OF WAY MARKER	GUY ⚡ POLE GUY
△ EXISTING MONUMENTATION AS NOTED.	LP ⚡ LIGHT POLE
○ MEANDER POINT	OHE -OHE OVERHEAD ELECTRIC LINE
⊕ BENCHMARK - AS NOTED	OHT -OHT OVERHEAD TELEPHONE LINE
— PROPERTY LINE	OHC -OHC OVERHEAD CABLE LINE
- - - ADJOINING PROPERTY LINE	UGE -UGE UNDERGROUND ELECTRIC LINE
- - - BUILDING SETBACK LINE	UGC -UGC UNDERGROUND CABLE LINE
- - - UTILITY EASEMENT	CO ○ CLEANOUT
- - - HWEA UTILITY EASEMENT	FH ⚡ FIRE HYDRANT
- - - DITCH / SWALE	CO ○ EXISTING SANITARY SEWER LINE
WFP □ WOOD FENCE POST	MH ○ SANITARY SEWER MANHOLE
MFP ○ METAL FENCE POST	STMH ○ STORM SEWER MANHOLE
MB □ MAILBOX	Ⓣ TELEPHONE MANHOLE
GV □ GAS VALVE	Ⓜ TELEPHONE BOX
GM □ GAS METER/POST	Ⓝ FIBER OPTICS
WV □ WATER VALVE	CB □ CATCH BASIN
WM □ WATER METER	RCP === REINFORCED CONCRETE PIPE
G --- GAS LINE	PVC === POLY VINYL CHLORIDE PIPE
W --- WATER LINE	VCP === VITRIFIED CLAY PIPE
	CMP === CORRUGATED METAL PIPE

CLIENT & OWNER:
 HOPKINSVILLE INDUSTRIAL FOUNDATION
 2800 FORT CAMPBELL BOULEVARD
 HOPKINSVILLE, KY 42240
 CONTACT: MR. JOHN GRENSHAW, PRESIDENT

ZONED: I-2 HEAVY INDUSTRIAL
SOURCE OF TITLE: DEED BOOK 506, PAGE 643
 DEED BOOK 525, PAGE 670
 DEED BOOK 539, PAGE 676
 DEED BOOK 545, PAGE 272
 DEED BOOK 561, PAGE 635

ZONED I-2 SETBACKS & EASEMENTS:

- INDUSTRIAL BUILDING SQUARE FOOTAGE SHOULD TAKE UP NO MORE THAN 60% OF THE LAND.
- 40' FRONT BUILDING SETBACK
- 10' SIDE BUILDING SETBACK
- 10' REAR BUILDING SETBACK
- NO GLARE FROM THE PROPOSED SITE SHOULD IMPACT ADJACENT PROPERTIES.
- ONSITE STORAGE OF MATERIALS MUST BE SCREENED USING ORNAMENTAL FENCING OR PLANTINGS.

HEIGHT RESTRICTIONS IMPOSED ON ANY PART OF THE SITE:

- BUILDINGS MAY BE UP TO 60 FEET (18 METERS) IN HEIGHT, A DIMENSIONAL VARIANCE REQUIRED. IF BUILDINGS OR PROCESS TOWERS WILL BE MORE THAN 60 FEET (18 METERS) IN HEIGHT, A DIMENSIONAL VARIANCE REQUEST WILL BE NEEDED. THE CITY OF HOPKINSVILLE BOARD OF ZONING ADJUSTMENT CAN EXPEDITE A DIMENSIONAL VARIANCE.

NOTE:
 NO WETLAND MARKERS WERE OBSERVED.

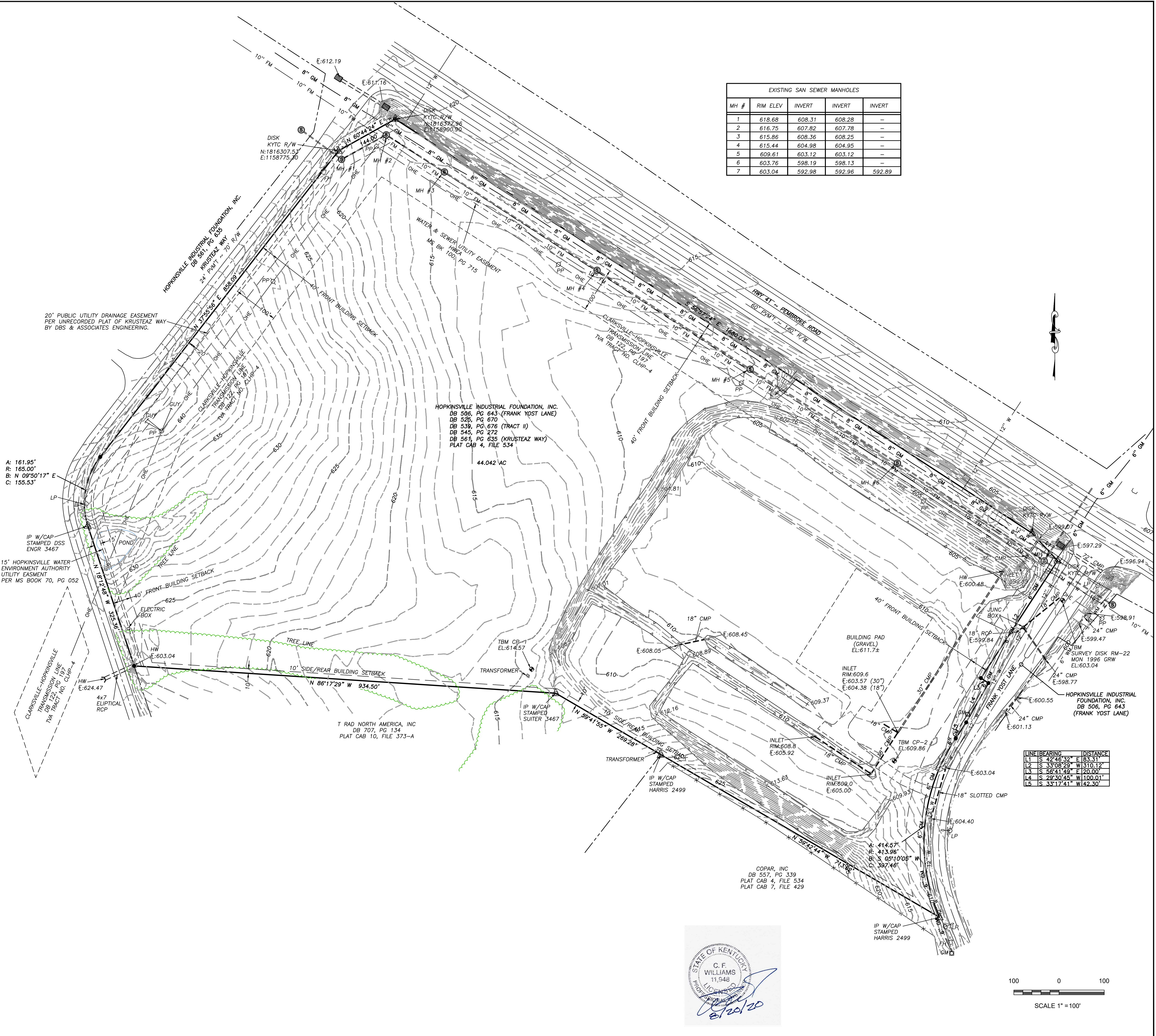
FLOODPLAIN NOTE:
 THIS PROPERTY IS NOT LOCATED IN AN AREA DESIGNATED AS A FLOOD HAZARD AREA, AS SHOWN ON FIRM COMMUNITY PANEL NO. 21047 C0367 C EFFECTIVE DATE: SEPTEMBER 17, 2008 ZONE X

NOTE:
 NO UNDERGROUND UTILITIES WERE LOCATED OTHER THAN THOSE SHOWN ON PLAT USING ABOVE GROUND OBSERVATIONS DURING THE FIELD SURVEY.

UTILITY NOTE:
 LOCATION OF WATERLINES, GAS LINES AND SEWER FORCE MAIN UTILITIES SHOWN ARE FROM KYTC RIGHT OF WAY AND CONSTRUCTION SHEETS OF HWY 41 CONSTRUCTION PLANS.
 GRAVITY SEWER AND OVERHEAD POWER LINES LOCATED FROM FIELD SURVEY.

NOTE:
 THIS SURVEY COMPLIES WITH 201 KAR 18:150

GPS USAGE:
 THIS SURVEY WAS PERFORMED USING A TRIMBLE R6 MODEL WITH GLOPASS CAPABILITIES AND DUAL FREQUENCY RECEIVERS UTILIZING REAL TIME KINEMATICS (RTK) GLOBAL POSITIONING. ACCURACY EXCEEDED THE ACCURACY OF STANDARDS FOR URBAN SURVEY, AS ESTABLISHED BY THE COMMONWEALTH OF KENTUCKY, STANDARDS OF PRACTICE FOR PROFESSIONAL LAND SURVEYORS PER 201 KAR 18:150 (WHICH IS +/- 0.05+100 PPM). THE BEARINGS AND DISTANCES SHOWN HEREON HAVE NOT BEEN ADJUSTED FOR CLOSURE.
 THE BASIS OF BEARINGS SHOWN HEREON ARE BASED ON GLOBAL POSITIONING SYSTEMS, KENTUCKY SOUTH ZONE COORDINATES, NAD83 DATUM. DIFFERENCES IN THE BEARINGS CITED ON THE PLAT AND THOSE CALLED FOR IN THE ORIGINAL DEED ARE DUE TO VARIATIONS BETWEEN MAGNETIC AND GRID NORTH.

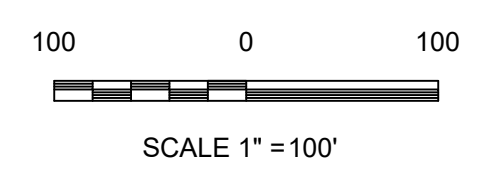
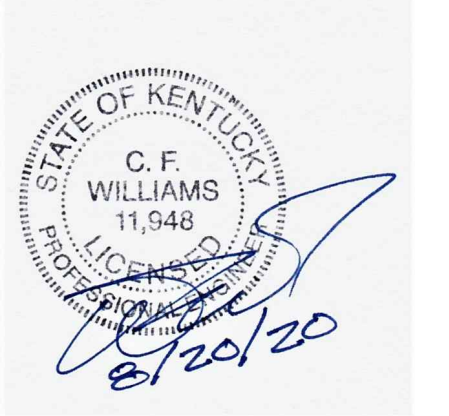


EXISTING SAN SEWER MANHOLES

MH #	RIM ELEV	INVERT	INVERT	INVERT
1	618.68	608.31	608.28	--
2	616.75	607.82	607.78	--
3	615.86	608.36	608.25	--
4	615.44	604.98	604.95	--
5	609.61	603.12	603.12	--
6	603.76	598.19	598.13	--
7	603.04	592.98	592.96	592.89

LINE BEARING DISTANCE

L1	S 42°46'32" E	183.51'
L2	S 33°09'29" W	318.12'
L3	S 56°41'49" E	20.00'
L4	S 29°30'45" W	100.01'
L5	S 33°17'41" W	142.30'



RONALD JOHNSON & ASSOCIATES, P.S.C.
 ENGINEERING • LAND SURVEYING • ENVIRONMENTAL
 24 W Center St. Madisonville, KY 42431 (270) 821-6392

BOUNDARY & TOPOGRAPHIC SURVEY
HOPKINSVILLE INDUSTRIAL FOUNDATION, INC.
 BETWEEN KRUSTEZ WAY & FRANK YOST LANE
 HOPKINSVILLE, KENTUCKY 42240

DRAWN BY: GAA **PROJECT NO.:** 18-144
DATE: 06-04-20 **DATE OF SURVEY:** 10-11-18

REVISIONS:

NO.	DESCRIPTION

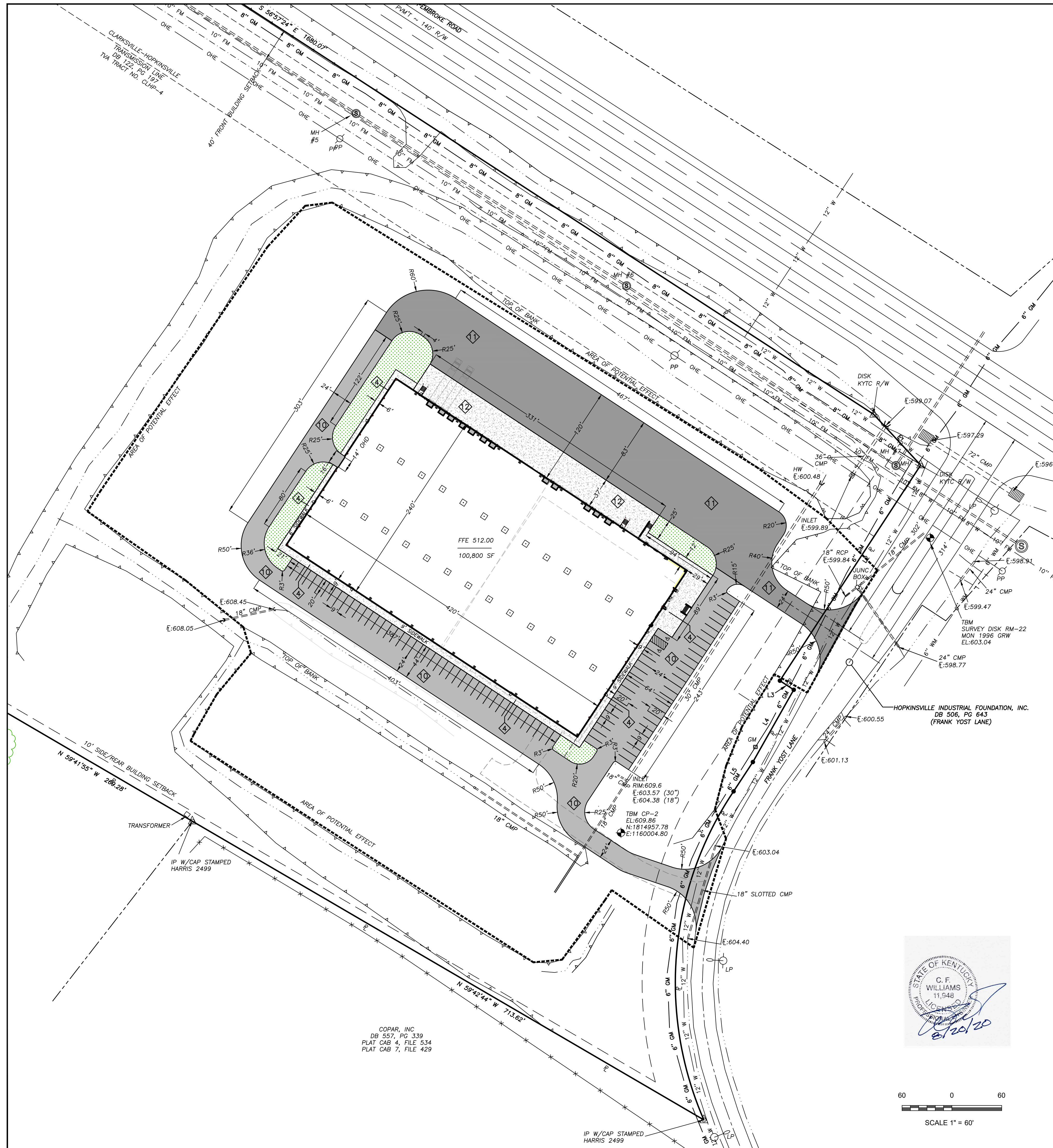
SHEET NO.
1.10

SITE LAYOUT PLAN

COMMERCE PARK
 HOPKINSVILLE INDUSTRIAL FOUNDATION, INC.
 HOPKINSVILLE, KENTUCKY

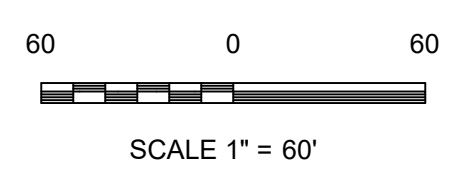
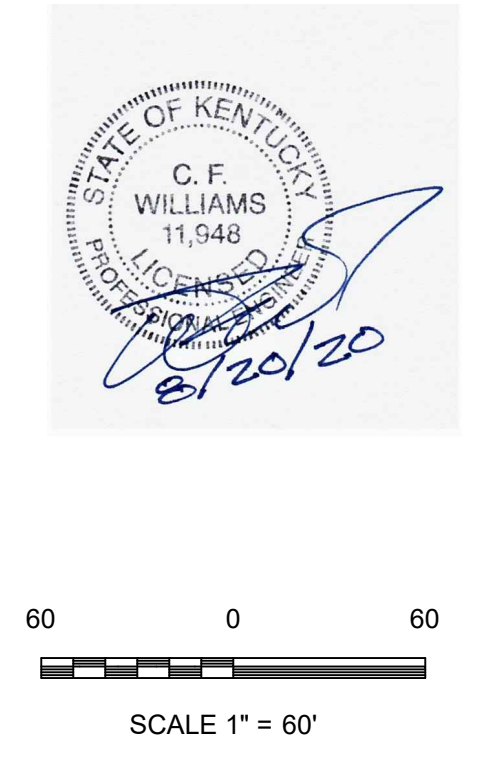
DRAWN BY: GAA	PROJECT NO: 20-040
DATE: 08-19-20	DATE OF SURVEY: 10-11-18
REVISIONS:	

SHEET NO.
1.20



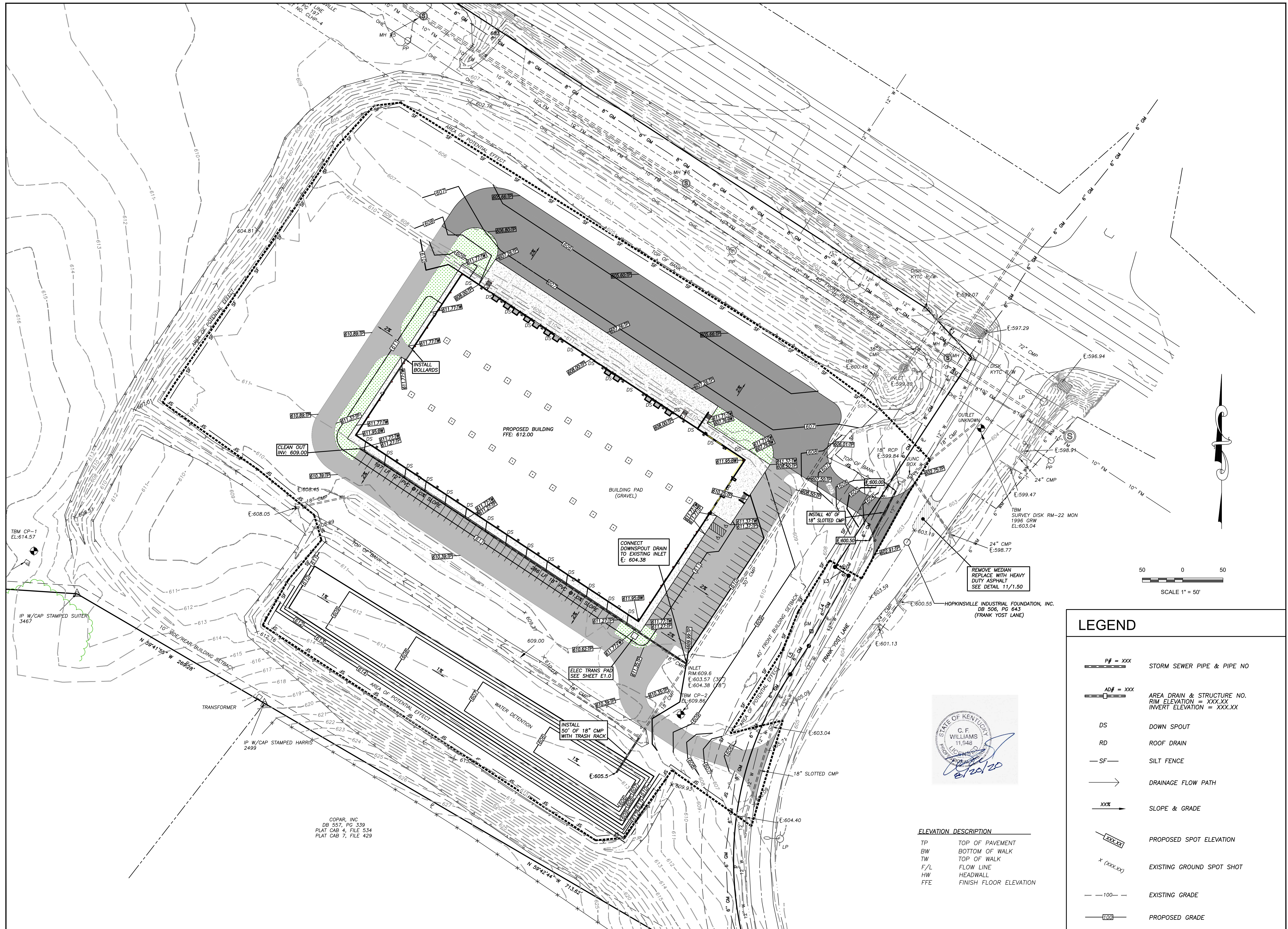
◇ SITE LAYOUT NOTES:

1. LIGHT DUTY ASPHALT PAVING PER DETAIL: 10/1.50
2. HEAVY DUTY ASPHALT PAVING PER DETAIL: 11/1.50
3. HEAVY DUTY CONCRETE PAVING PER DETAIL: 12/1.50
4. CONCRETE WALK PER DETAIL: 5/1.50
 SCORING PER DETAIL: 6/1.50
 EXPANSION JOINT PER DETAIL: 7/1.50



COPAR, INC
 DB 557, PG 339
 PLAT CAB 4, FILE 534
 PLAT CAB 7, FILE 429

IP W/CAP STAMPED
 HARRIS 2499



LEGEND

- P# = XXX STORM SEWER PIPE & PIPE NO
- AD# = XXX AREA DRAIN & STRUCTURE NO.
RIM ELEVATION = XXX.XX
INVERT ELEVATION = XXX.XX
- DS DOWN SPOUT
- RD ROOF DRAIN
- SF- SILT FENCE
- DRAINAGE FLOW PATH
- XXX% SLOPE & GRADE
- XXX.XX PROPOSED SPOT ELEVATION
- X (XXX.XX) EXISTING GROUND SPOT SHOT
- 100- EXISTING GRADE
- 100- PROPOSED GRADE

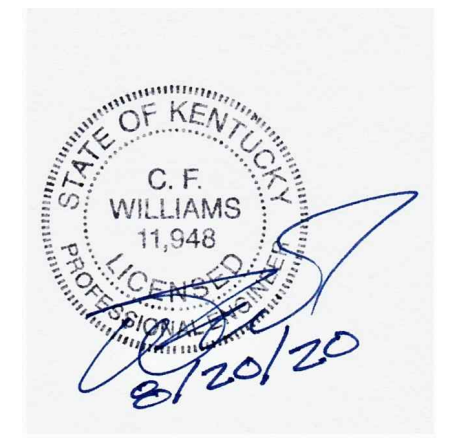
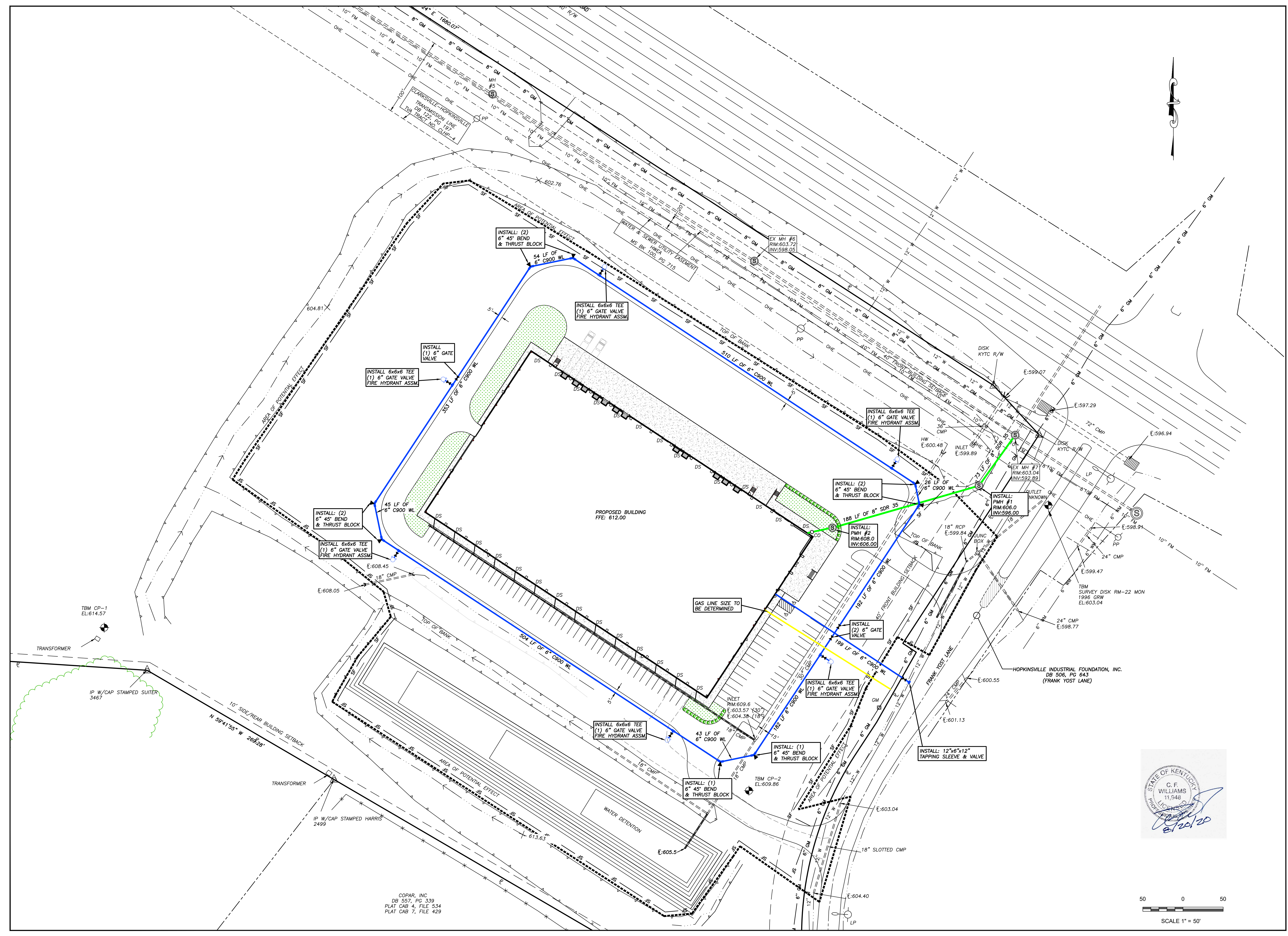
ELEVATION DESCRIPTION

TP	TOP OF PAVEMENT
BW	BOTTOM OF WALK
TW	TOP OF WALK
F/L	FLOW LINE
HW	HEADWALL
FFE	FINISH FLOOR ELEVATION

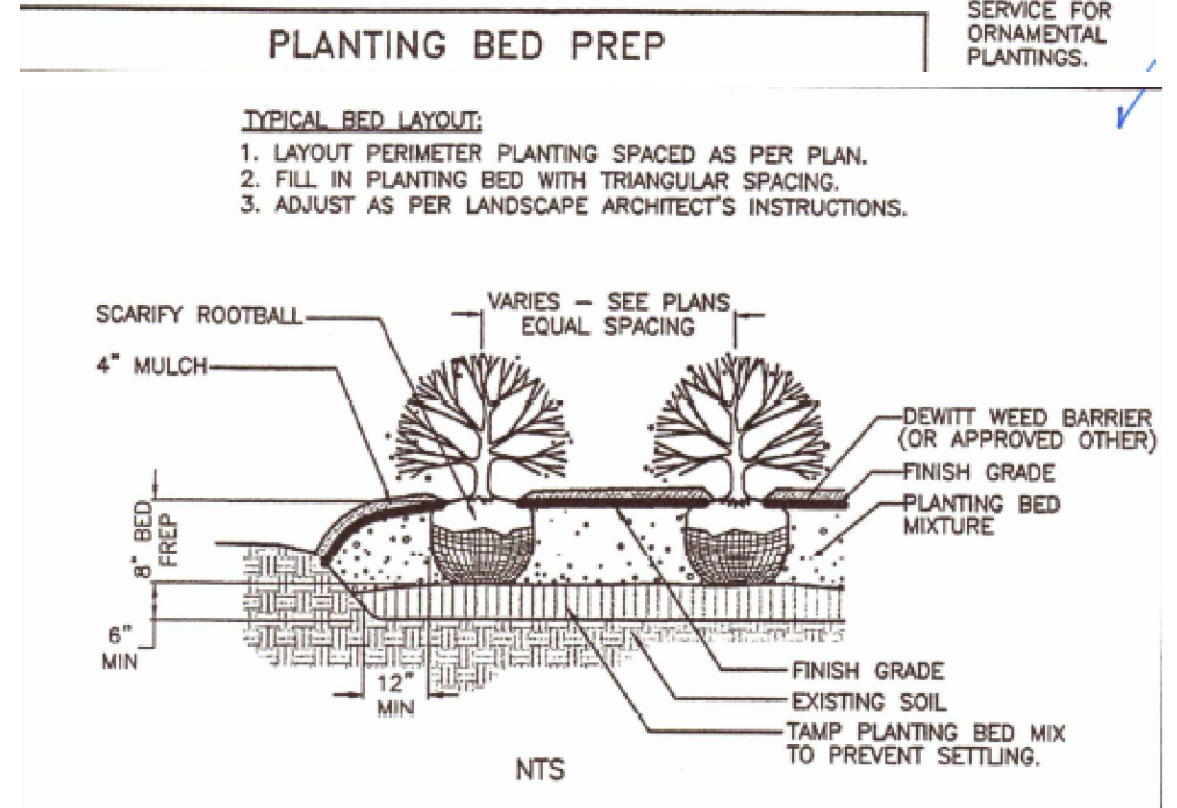
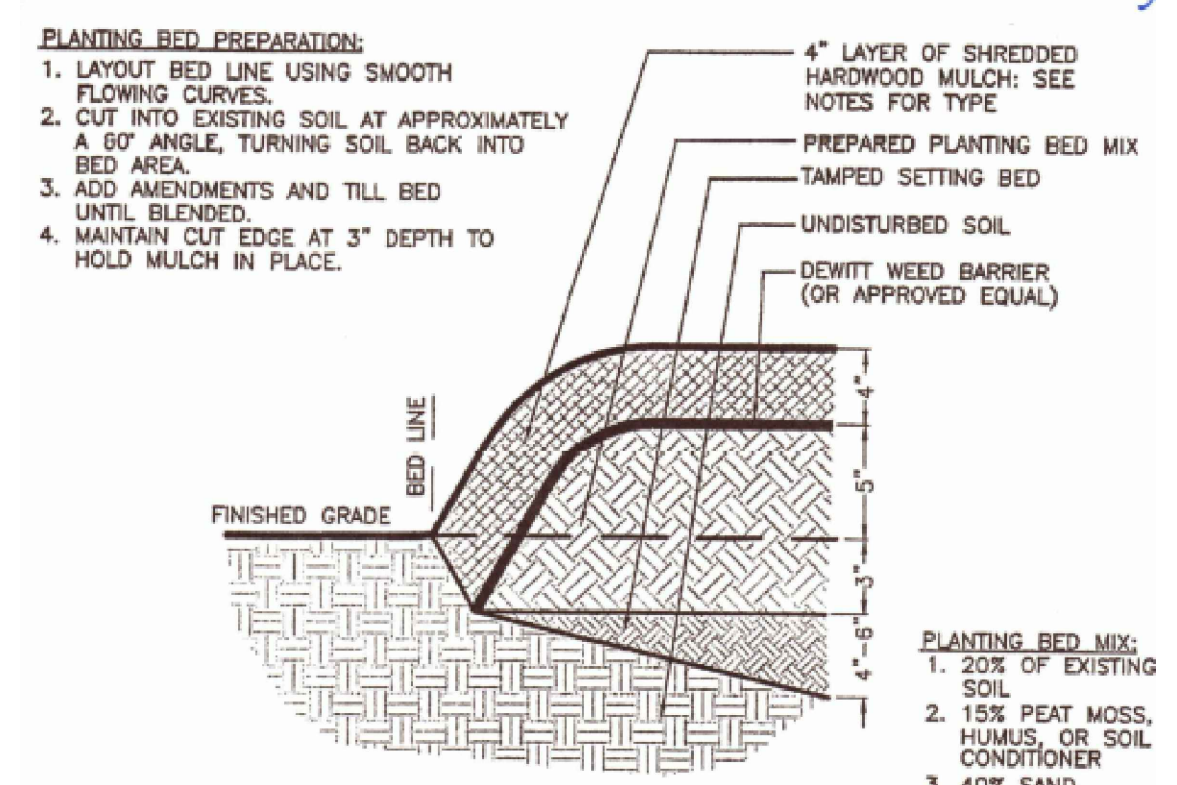
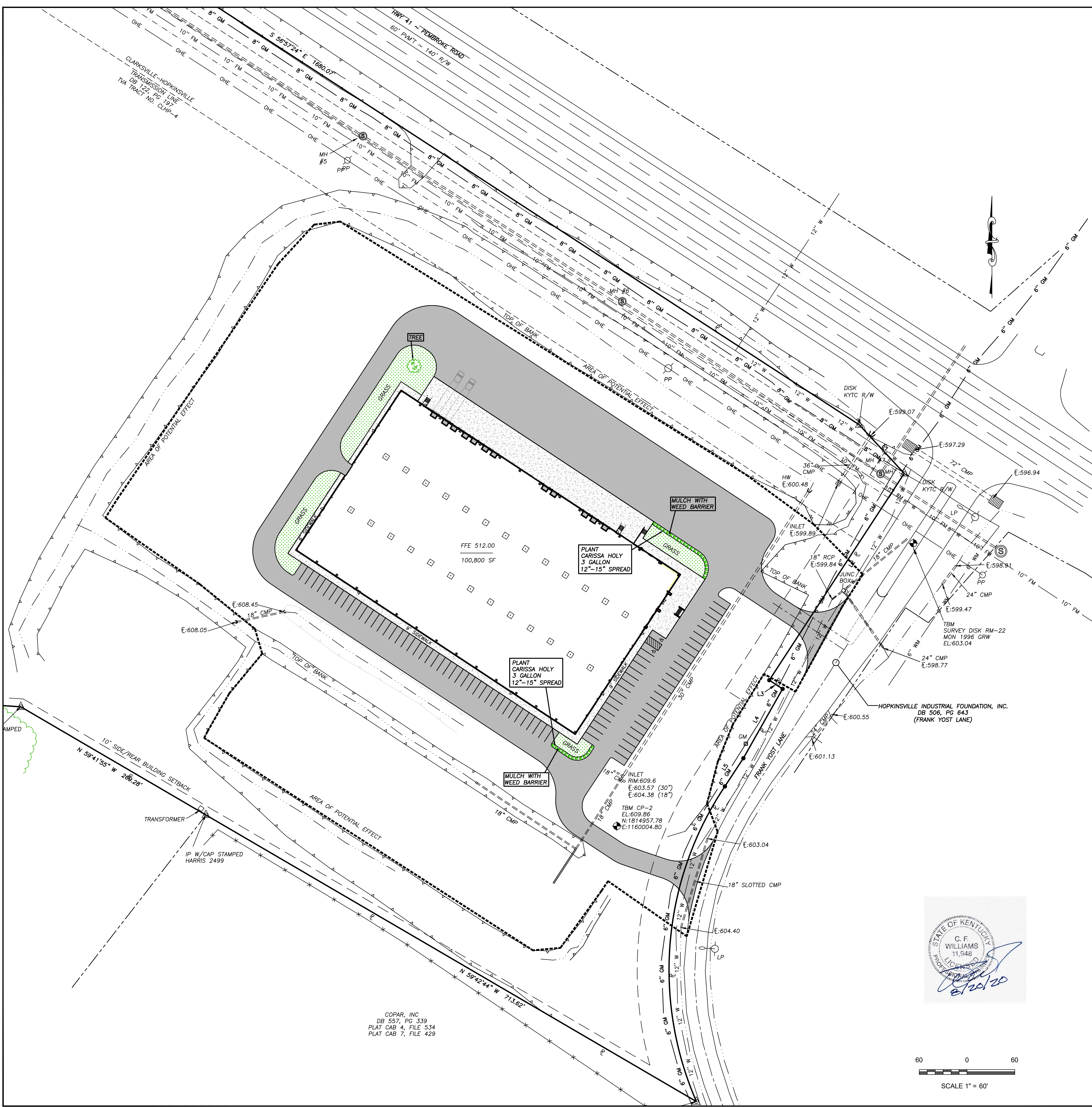
DRAWN BY: GAA	PROJECT NO: 20-040
DATE: 08-19-20	DATE OF SURVEY: 10-11-18
REVISIONS:	

SHEET NO.
1.30

DRAWN BY:	PROJECT NO:
GAA	20-040
DATE:	DATE OF SURVEY:
08-19-20	10-11-18
REVISIONS:	



COPAR, INC
 DB 557, PG 339
 PLAT CAB 4, FILE 534
 PLAT CAB 7, FILE 429



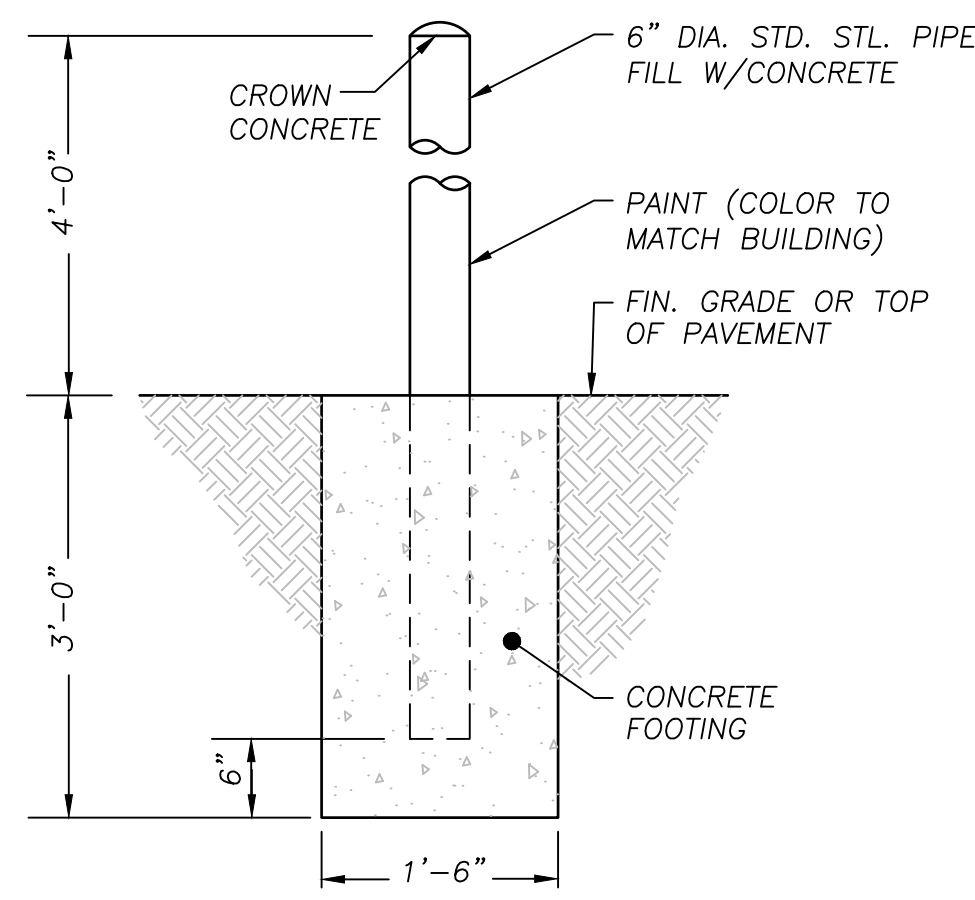
STATE OF KENTUCKY
 C. F. WILLIAMS
 11,548
 8/20/20

SCALE 1" = 60'

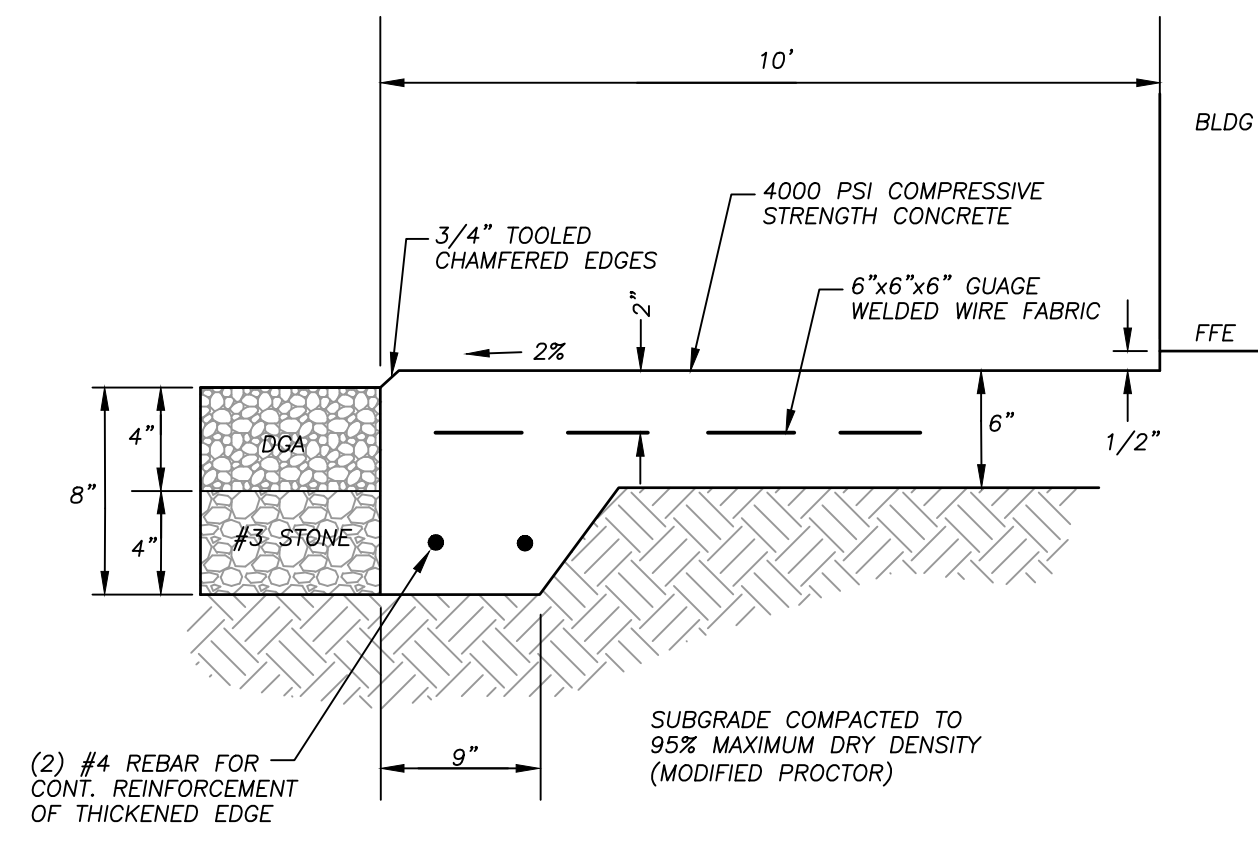
COPAR, INC.
 DB 557, PG 339
 PLAT CAB 4, FILE 534
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DRAWN BY: GAA	PROJECT NO: 20-040
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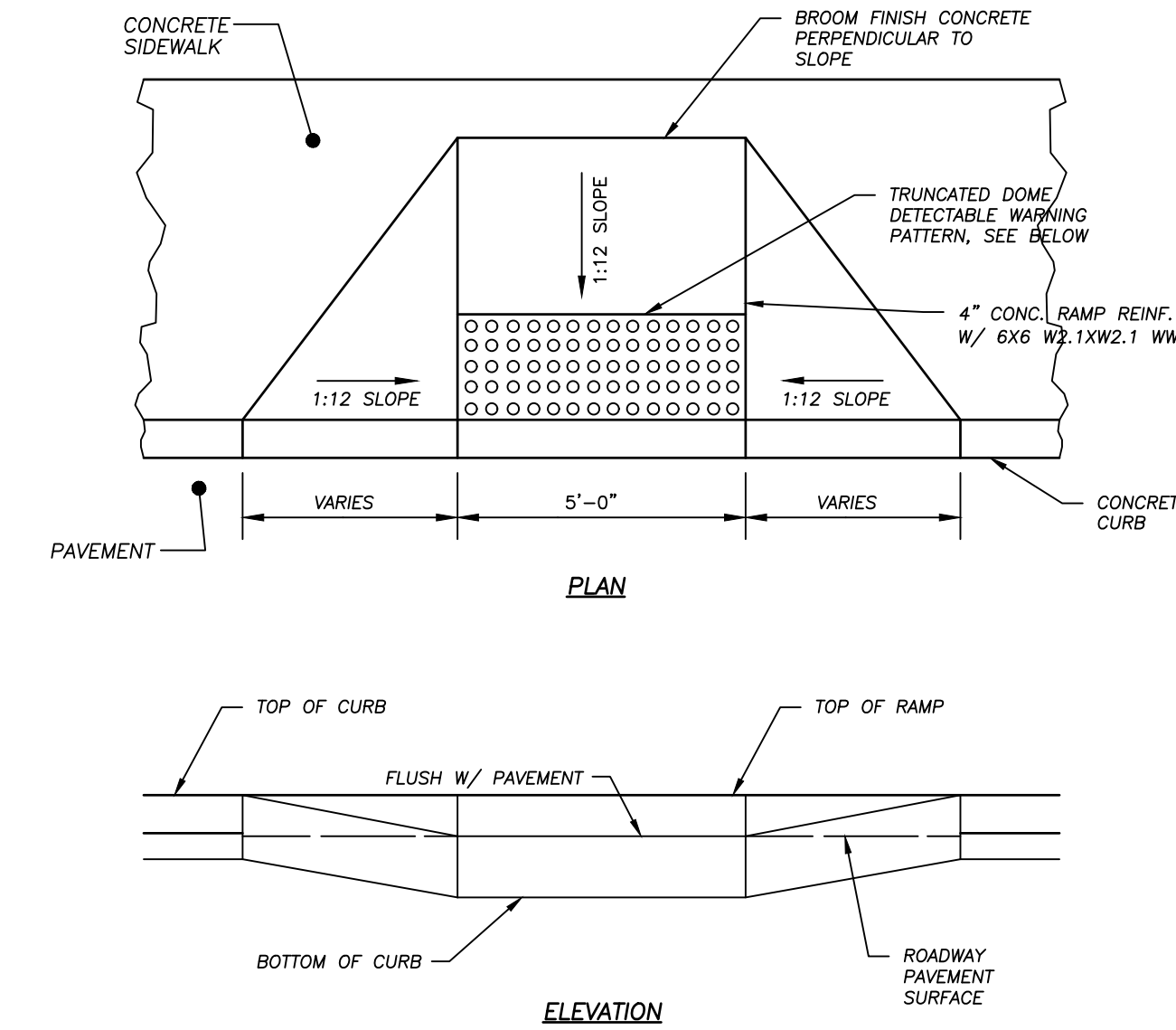
SHEET NO.
1.40



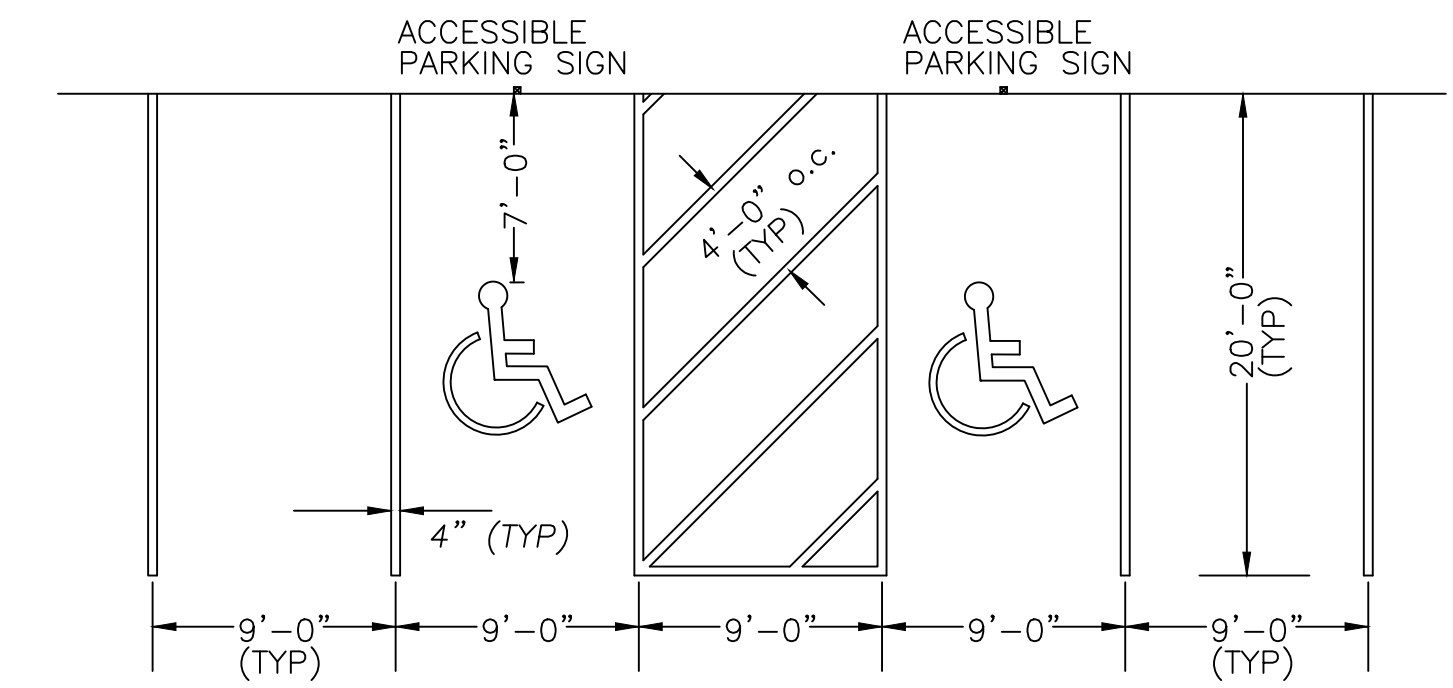
1 BOLLARD DETAIL NTS



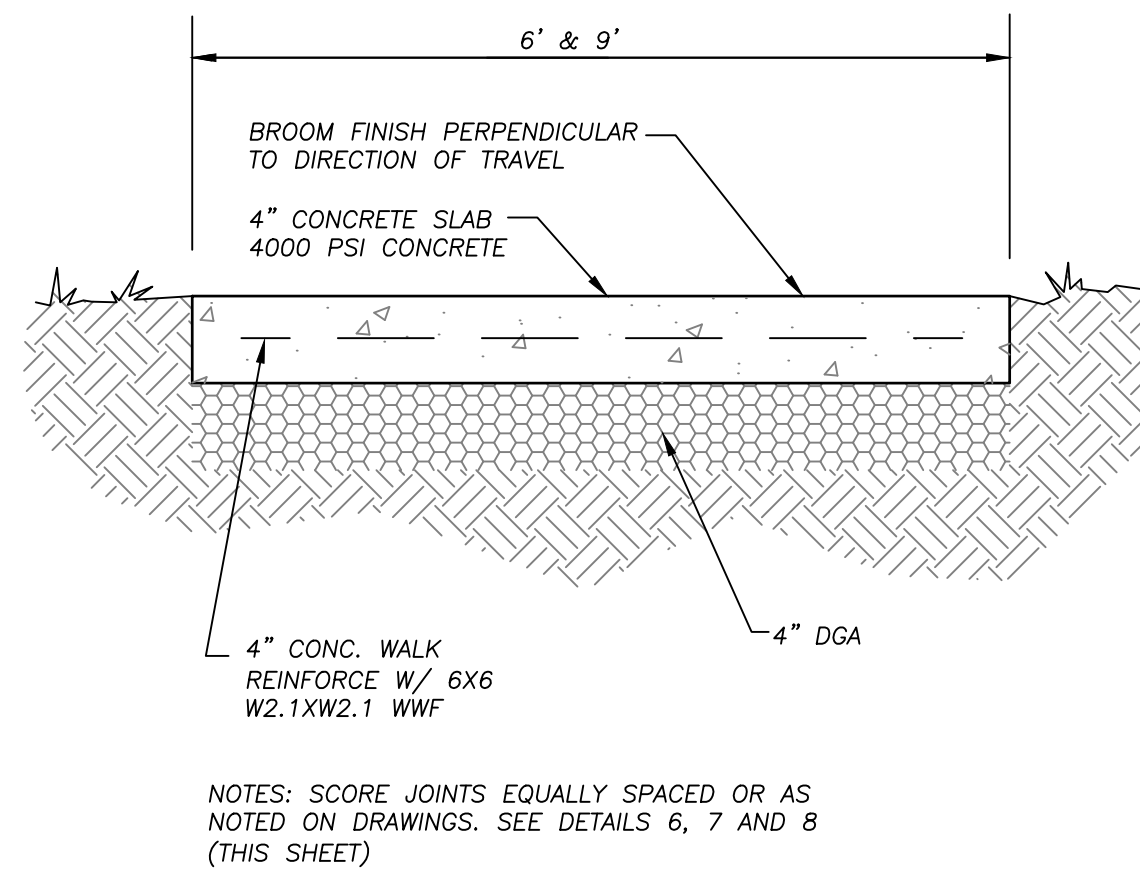
2 CONCRETE APRON NTS



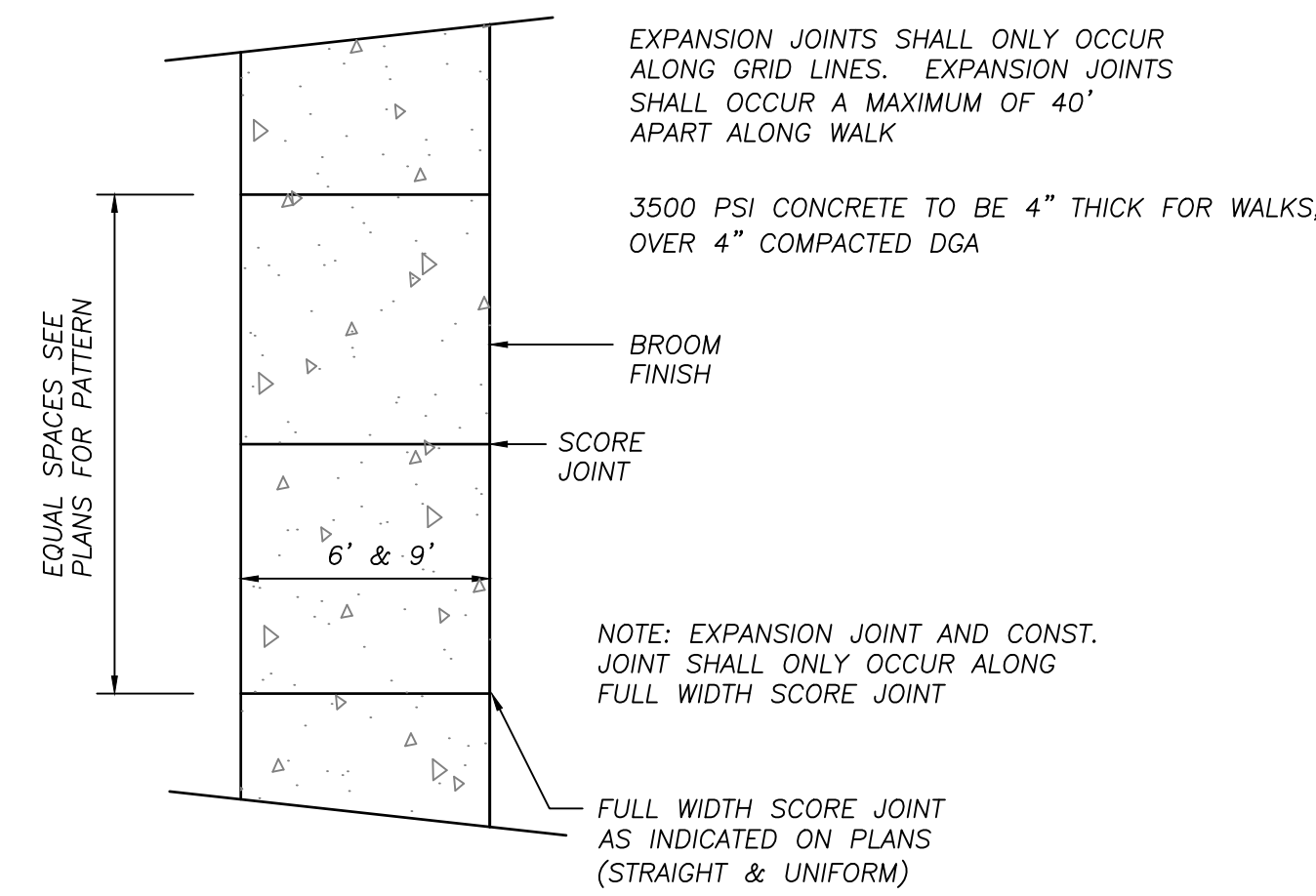
3 TYPICAL ACCESSIBLE RAMP NTS



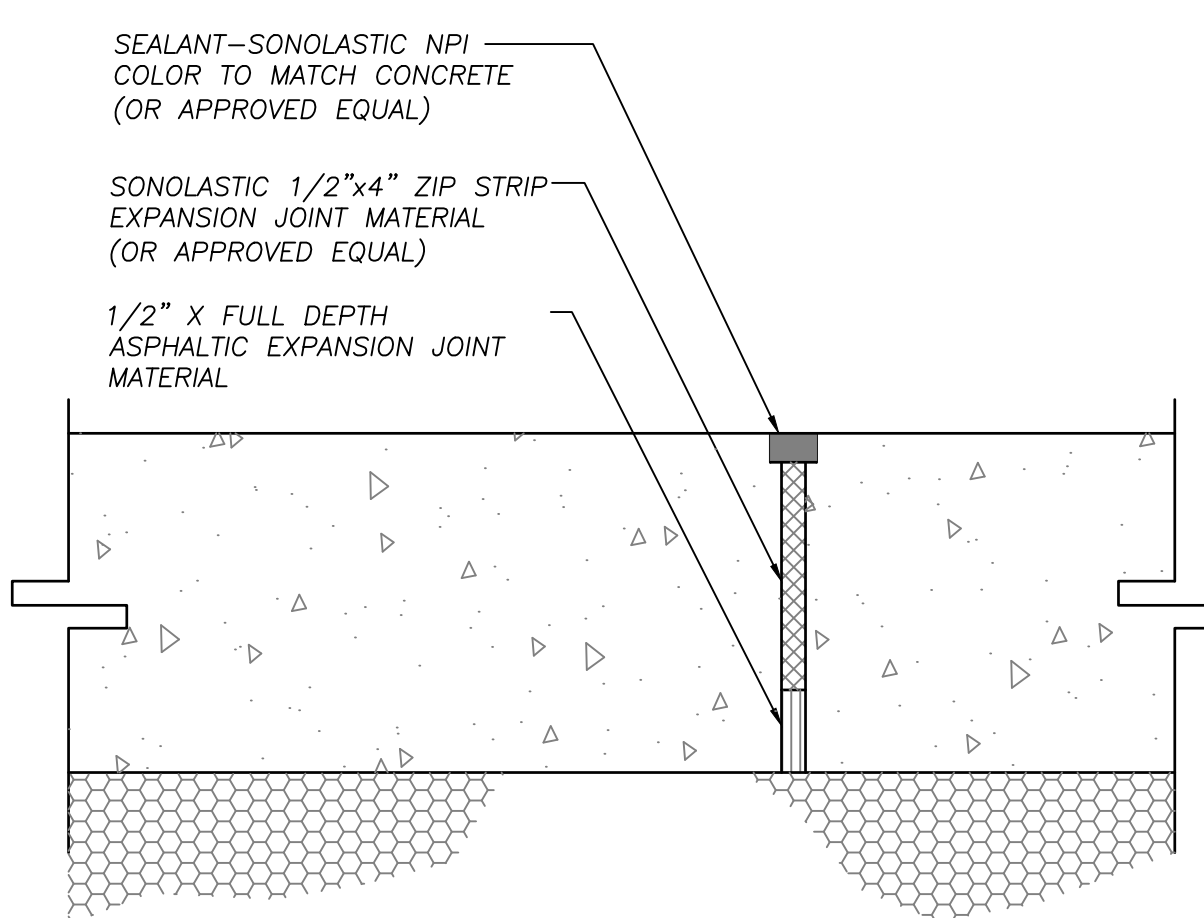
4 ACCESSIBLE PARKING MARKING NTS



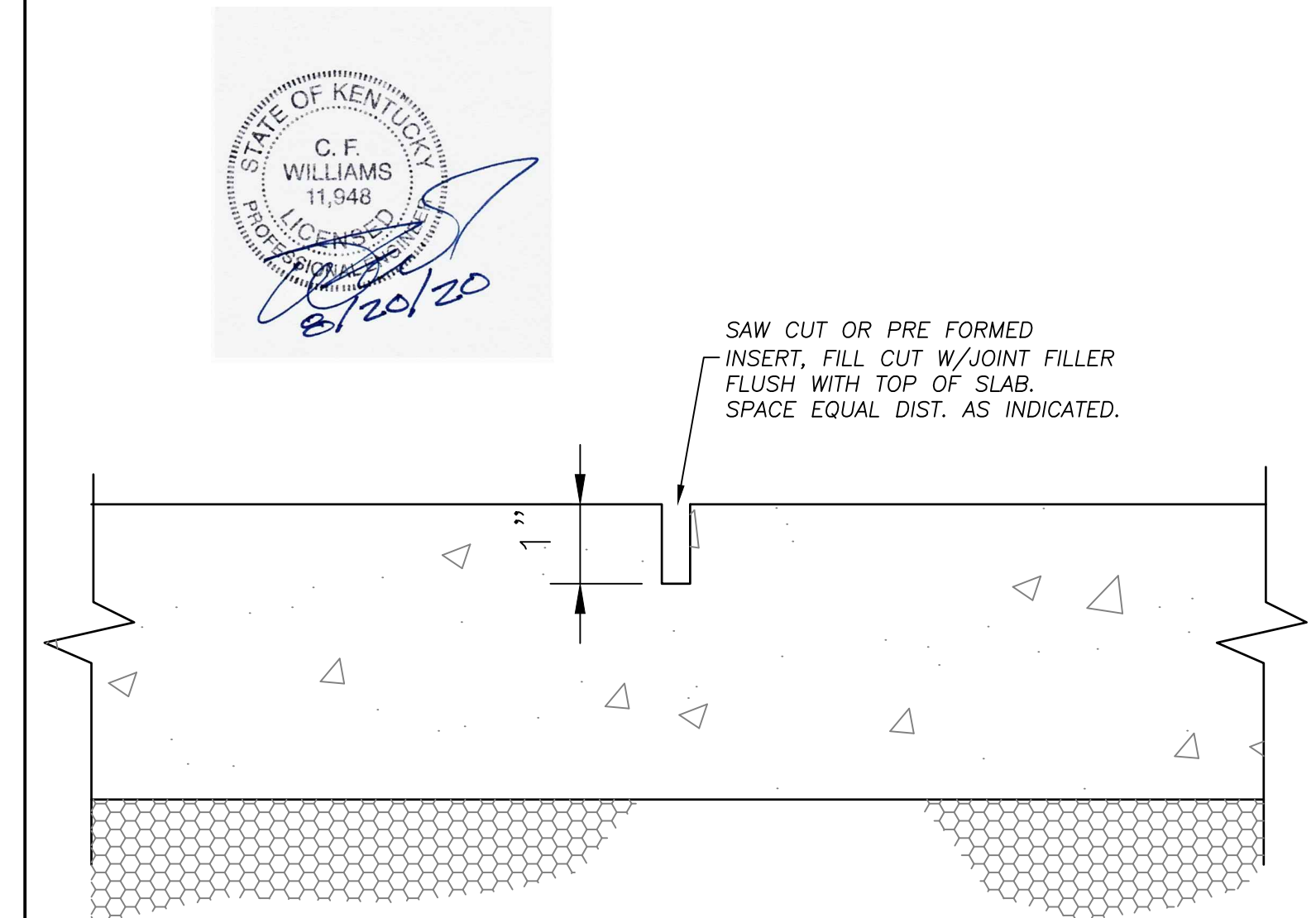
5 TYPICAL CONCRETE WALK NTS



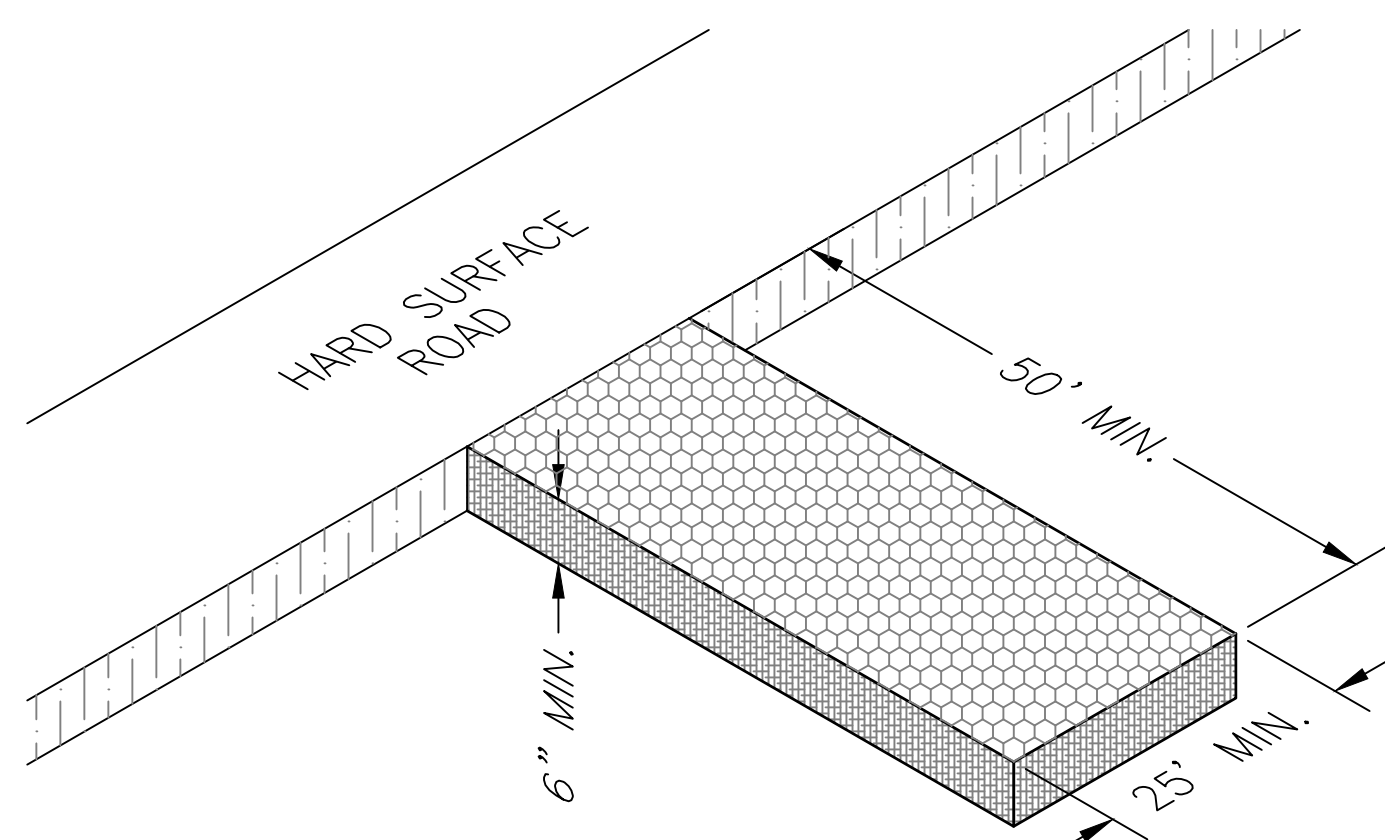
6 SCORING DETAIL NTS



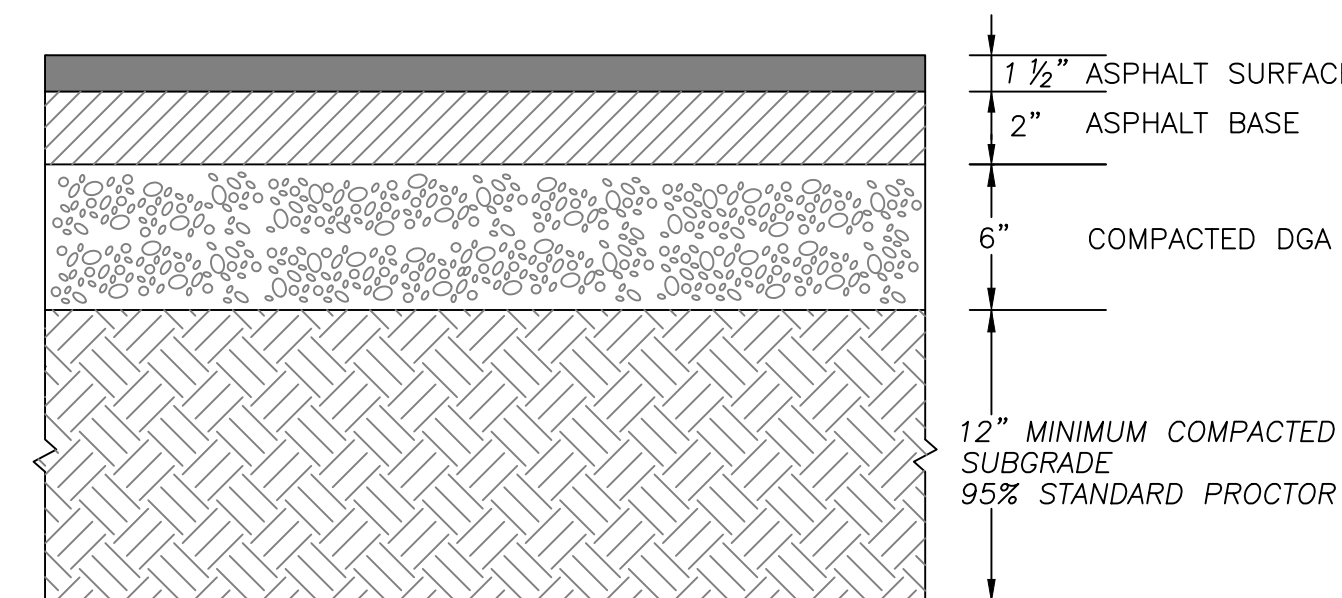
7 EXPANSION JOINT NTS



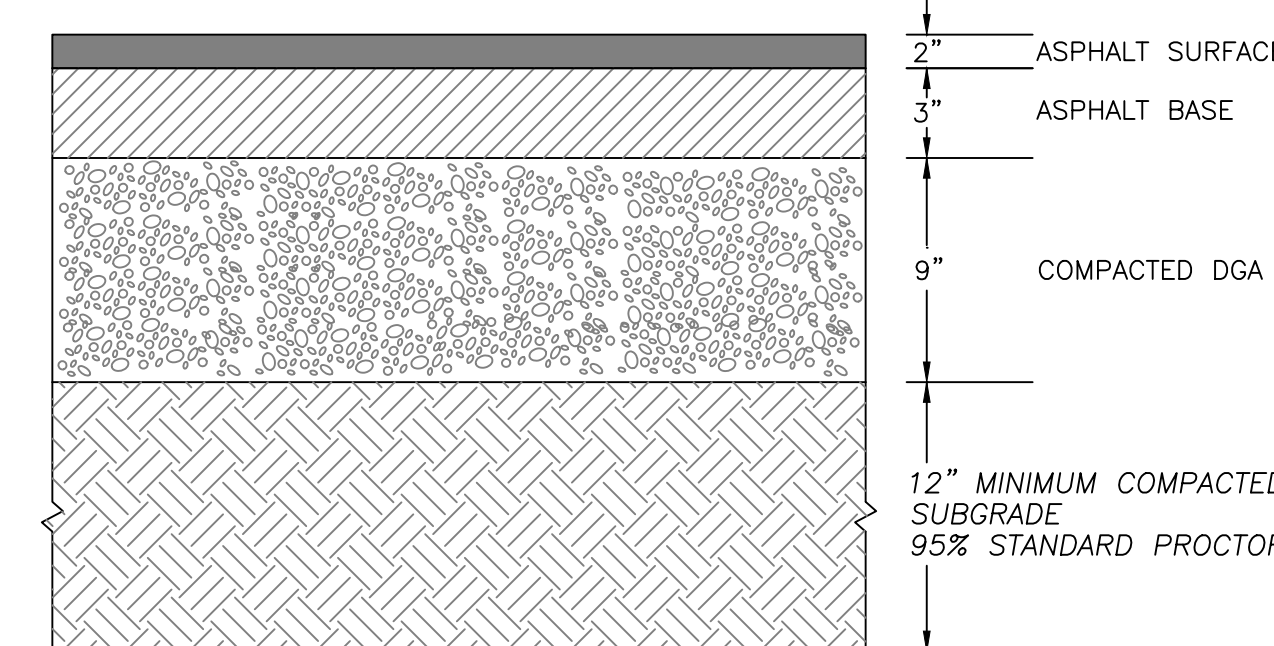
8 CONSTRUCTION JOINT NTS



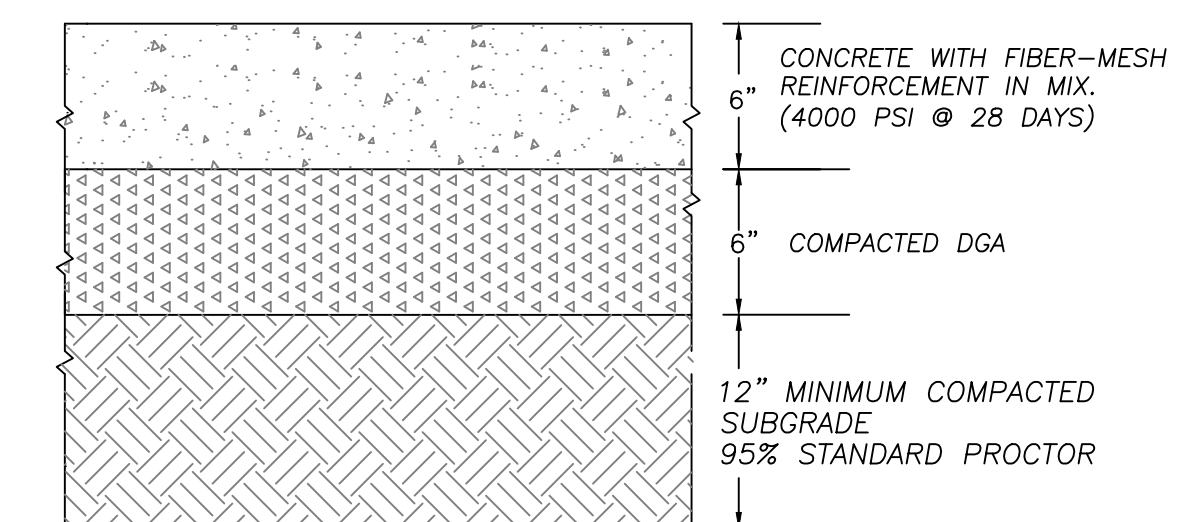
9 GRAVEL CONSTRUCTION ENTRANCE NTS



10 TYPICAL LIGHT DUTY ASPHALT PAVING NTS

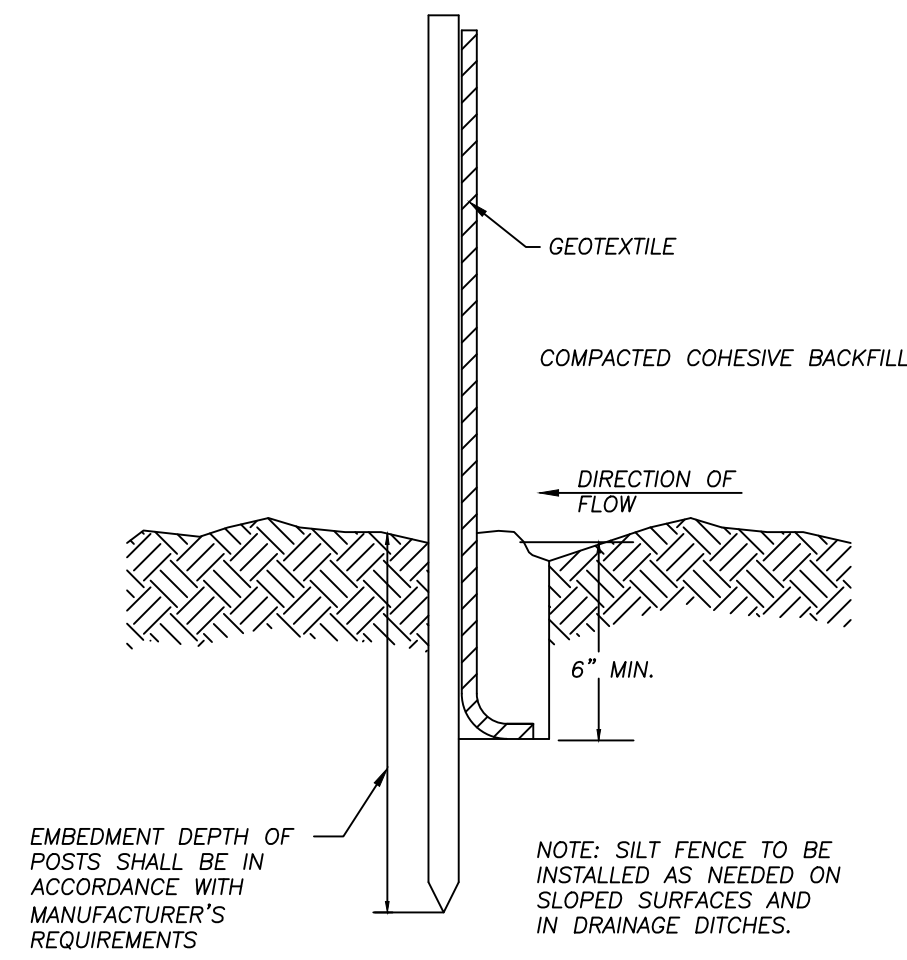


11 TYPICAL HEAVY DUTY ASPHALT PAVING NTS



12 TYPICAL HEAVY DUTY CONCRETE PAVING NTS

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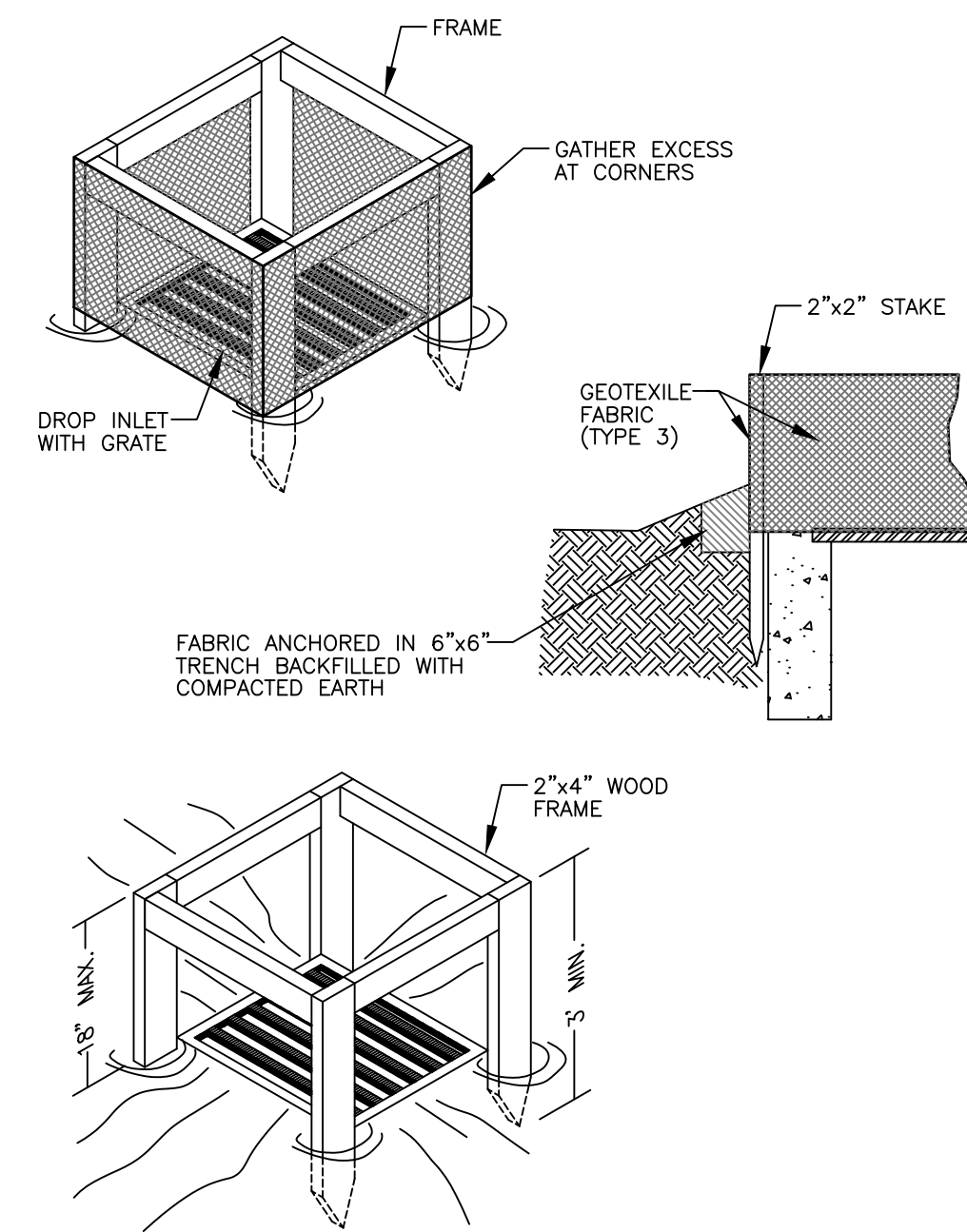


13 SILT FENCE NTS

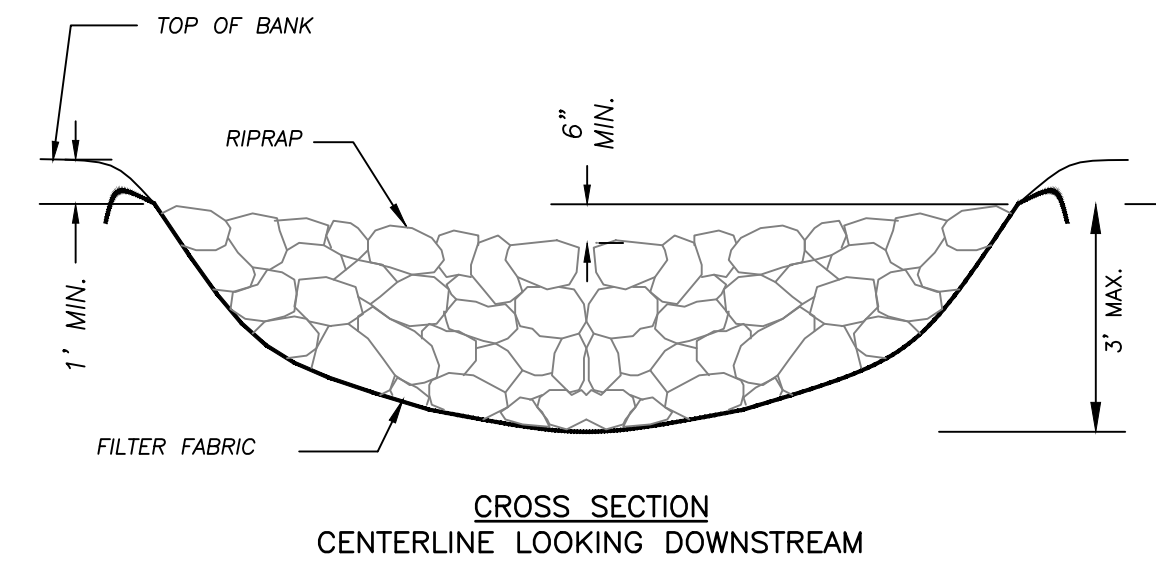
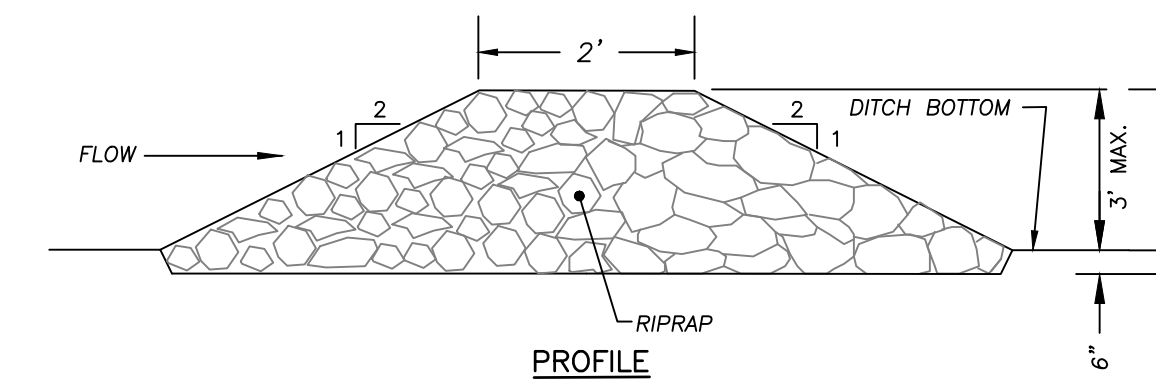
REVEGETATIVE QUANTITIES

- LIME 2 TON / ACRE
- FERTILIZER 150 LB. / ACRE
- SEED
 - ANNUAL RYE 100 LB. / ACRE
 - KY 31 FESCUE 100 LB. / ACRE
- MULCH 2 TON / ACRE

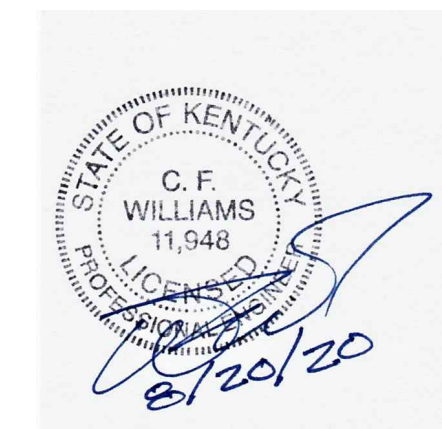
14 SEEDING



15 INLET PROTECTION NTS



16 ROCK CHECK DAM - RIPRAP NTS



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REVISIONS:	

GENERAL NOTES

COMMERCE PARK
 HOPKINSVILLE INDUSTRIAL FOUNDATION, INC.
 HOPKINSVILLE, KENTUCKY

DRAWN BY: GAA	PROJECT NO: 20-040
DATE: 08-19-20	
REVISIONS:	

SHEET NO.
1.60

GENERAL NOTES
DEMOLITION NOTES

- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS FOR DEMOLITION AND DISPOSAL. THE DEMOLITION, REMOVAL, AND DISPOSAL IS TO BE APPROVED BY ALL GOVERNING AUTHORITIES, OF ALL STRUCTURES, PADS, WALLS, FLUMES, FOUNDATIONS, PARKING, DRIVES, DRAINAGE, STRUCTURES, UTILITIES, ETC., SUCH THAT THE IMPROVEMENTS SHOWN ON THE REMAINING PLANS CAN BE CONSTRUCTED. ALL FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL PER THE SPECIFICATIONS.
- THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY CONCERNING PORTIONS OF WORK WHICH MAY BE PERFORMED BY THE UTILITY COMPANY'S FORCES AND ANY FEES WHICH ARE TO BE PAID TO THE UTILITY COMPANY FOR THEIR SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR PAYING ALL FEES AND CHARGES. CONTRACTOR SHALL MAINTAIN ALL UTILITY SERVICES TO INHABITED BUILDINGS ON SITE AND ADJACENT PROPERTIES AT ALL TIMES. INTERRUPTIONS SHALL BE APPROVED BY THE OWNERS OF THE BUILDINGS/PROPERTIES.
- THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THIS PLAN HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF ANY DEMOLITION ACTIVITY, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES FOR ONSITE LOCATIONS OF EXISTING UTILITIES.
- CONTRACTOR IS RESPONSIBLE FOR REPAIRING THE DAMAGE TO ANY EXISTING ITEM DURING CONSTRUCTION, SUCH AS, BUT NOT LIMITED TO, DRAINAGE, UTILITIES, PAVEMENT, PAVEMENT, CURB, ETC. REPAIRS SHALL BE EQUAL TO, OR BETTER THAN, EXISTING CONDITIONS. CONTRACTOR IS RESPONSIBLE TO DOCUMENT ALL EXISTING DAMAGE AND NOTIFY THE CITY/COUNTY PRIOR TO CONSTRUCTION START.
- CONTINUOUS ACCESS SHALL BE MAINTAINED FOR THE SURROUNDING PROPERTIES AT ALL TIMES DURING DEMOLITION OF THE EXISTING FACILITIES.
- PRIOR TO DEMOLITION OCCURRING, ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED PER THE GOVERNING AGENCIES GUIDELINES AND STANDARDS.
- CONTRACTOR MAY LIMIT SAW-CUT & PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE IT IS REQUIRED AS SHOWN ON THESE CONSTRUCTION PLANS, BUT IF ANY DAMAGE IS INCURRED ON ANY OF THE SURROUNDING PAVEMENT, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS REMOVAL AND REPAIR. SAW-CUT SHOWN IS FOR REFERENCE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING THAT WHICH IS NECESSARY TO COMPLETE THE INTENT OF THE PROPOSED IMPROVEMENTS.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO STUDY THE PLANS AND VISIT THE SITE TO DETERMINE THE ITEMS THAT MUST BE REMOVED TO COMPLY WITH THE SITE DEVELOPMENT PLANS. NO EXTRA FEE WILL BE PAID FOR THE REMOVAL OF ANY ITEM NOT LISTED THAT IS VISIBLE UPON A SITE VISIT. THE DEMOLITION PLAN IS INTENDED TO SIMPLIFY THE DRAWINGS, AND DOES NOT GUARANTEE THAT ALL ITEMS ARE ADDRESSED.
- CONTRACTOR SHALL MAINTAIN ALL EXISTING PARKING, SIDEWALKS, DRIVES, ETC. CLEAR AND FREE FROM ANY CONSTRUCTION ACTIVITY AND/OR MATERIAL TO THE BEST OF THEIR ABILITIES. TO ENSURE EASY AND SAFE PEDESTRIAN AND VEHICULAR TRAFFIC T AND FROM THE SITE.

SITE NOTES

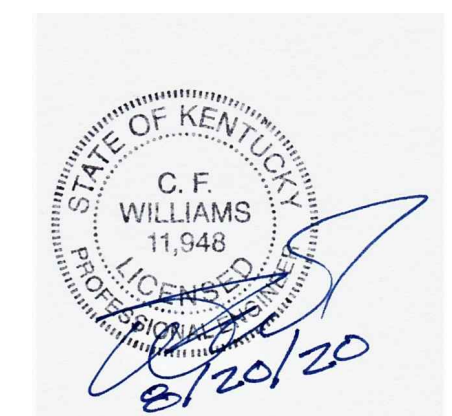
- ALL WORK AND MATERIAL SHALL COMPLY WITH ALL CITY/COUNTY REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
- ALL MATERIAL NOTED ON DRAWINGS WILL BE SUPPLIED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL REFER TO THE ARCHITECTURAL AND MECHANICAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS.
- ALL DISTURBED AREAS ARE TO RECEIVE 4"-6" INCHES OF TOPSOIL, SEED, MULCH AND WATER UNTIL A HEALTHY STAND OF GRASS IS ESTABLISHED.
- ALL DIMENSIONS AND RADII ARE TO THE FACE OF THE CURB/WALL UNLESS OTHERWISE NOTED.
- PROVIDE STRIPING AS SHOWN. PARKING STALLS SHALL BE PAINTED WITH 4" WIDE, WHITE LINES.
- REFER TO ARCHITECTURAL PLANS FOR PROPOSED SIGNAGE.
- REFER TO MECHANICAL PLANS FOR EQUIPMENT LAYOUT
- REFER TO ELECTRICAL PLANS FOR ELECTRICAL WORK.
- REFER TO GEOTECHNICAL ENGINEERING REPORT FOR SITE WORK PREPARATION/RECOMMENDATIONS AND PAVEMENT SECTIONS.
- SURVEY PROVIDED BY RONALD JOHNSON AND ASSOCIATES, P.C.S., REFER TO ALTA/ACSM SURVEY FOR ADDITIONAL INFORMATION.

GRADING NOTES

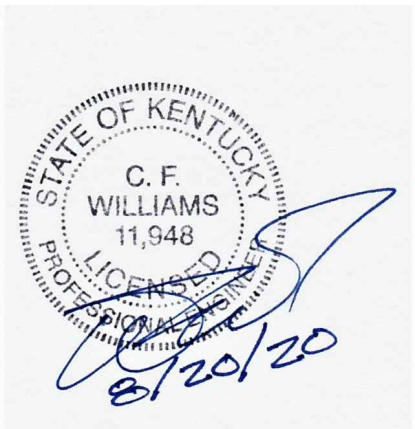
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
- TOPOGRAPHIC INFORMATION TAKEN FROM A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR. IF CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, HE SHALL HAVE MADE, AT HIS EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR AND SUBMIT IT TO THE OWNER FOR REVIEW.
- CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.
- THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE EPA OR APPLICABLE STATE GENERAL N.P.D.E.S. PERMIT FOR STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
- EXISTING AND PROPOSED GRADE CONTOURS INTERVALS ARE SHOWN AT 1 FOOT INTERVALS.
- EXISTING DRAINAGE STRUCTURES TO BE INSPECTED AND REPAIRED AS NEEDED AND EXISTING PIPES TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS.
- IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
- CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDING PAD FOR ALL NATURAL AND PAVED AREAS.
- ALL TOPSOIL MUST BE REMOVED BEFORE FILL IS PLACED.
- ALL WET, OR OTHERWISE UNSUITABLE, SOILS MUST BE STABILIZED. THIS MAY BE ACCOMPLISHED BY DRYING, REMOVAL & REPLACEMENT, REMOVAL & DRYING RECOMPACTION, OR SOIL TREATMENT (LIME/CEMENT).
- ALL UNSURFACED AREAS DISTURBED BY GRADING OPERATION SHALL RECEIVE 4"-6" INCHES OF TOPSOIL. CONTRACTOR SHALL APPLY STABILIZATION FABRIC TO ALL SLOPES 3H:1V OR STEEPER. CONTRACTOR SHALL GRASS DISTURBED AREAS IN ACCORDANCE WITH SPECIFICATIONS UNTIL A HEALTHY STAND OF GRASS IS OBTAINED. ALL EXPOSED SURFACE AREAS SHALL BE STABILIZED PER THE SWPPP AND LANDSCAPE REQUIREMENTS AS PART OF THIS SET.
- ALL STORM PIPE ENTERING STRUCTURES SHALL BE GROUTED TO ASSURE CONNECTION AT STRUCTURE IS WATERTIGHT.
- ALL STORM STRUCTURES SHALL HAVE A SMOOTH UNIFORM POURED MORTAR INVERT FROM INVERT IN TO INVERT OUT.
- PRECAST STRUCTURES MAY BE USED AT CONTRACTOR'S OPTION. IF PRECAST STRUCTURES ARE UTILIZED, THE CONTRACTOR SHALL VERIFY ELEVATIONS AT CONNECTION POINTS OR ANY EXISTING UTILITY CROSSING PRIOR TO ORDERING STRUCTURES. REPORT ANY CONFLICTS TO THE ENGINEER.
- STORM PIPE SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED:
HIGH DENSITY POLYETHYLENE PIPE (HDPE)
REINFORCED CONCRETE PIPE (RCP)
- SAWCUT LINE PROVIDED IS FOR REFERENCE ONLY. CONTRACTOR WILL BE RESPONSIBLE FOR DETERMINING THE EXTENT OF THE SAWCUT THAT WILL BE REQUIRED.
- ALL STORM SEWER STRUCTURE GRATES AND FRAMES WITHIN PAVEMENT SHALL BE HEAVY DUTY.
- ALL STORM DRAINAGE SHALL BE PREFORMED IN ACCORDANCE WITH COUNTY AND CITY STANDARDS AT THE DIRECTION OF THE CITY OFFICIALS AND KYTC STANDARDS.
- GRADING BEHIND CURB AT TRUCK PARKING SPACES NOT TO EXCEED 2% (UPHILL) FOR 15'-0" DUE TO TRUCK OVERHANG.
- PROVIDE CONCRETE APRON AROUND LOT STORM SEWER STRUCTURES.
- ALL DOWNSPOUT DRAINS ARE TO HAVE A 1.04% MINIMUM SLOPE UNLESS OTHERWISE NOTED. CONNECT DOWNSPOUTS TO THE PROPOSED STORM SEWER SYSTEM. REFER TO ARCHITECTURAL PLANS FOR DOWNSPOUT LOCATIONS.
- ROOF DRAINS, FOUNDATION DRAINS AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED.
- THE STORM SEWER GRADE WE BE SUCH THAT A MINIMUM COVER IS MAINTAINED TO WITHSTAND AASHTO HS-25 LOADING ON THE PIPE. PROVIDE MINIMUM 2 FEET OF COVER FOR ALL STORM SEWERS UNLESS OTHERWISE NOTED.

UTILITY NOTES

- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
- CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST STANDARDS OF O.S.H.A. DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING AND OTHER MEANS OF PROTECTION. THIS TO INCLUDE BUT NOT LIMITED FOR ACCESS AND EGRESS FROM ALL EXCAVATION AND TRENCHING. CONTRACTOR IS RESPONSIBLE TO COMPLY WITH PERFORMANCE CRITERIA FOR O.S.H.A.
- CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO ANY EXISTING UTILITY DURING CONSTRUCTION AT NO COST TO THE OWNER.
- ALL FILL MATERIAL IS TO BE PLACED AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
- CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITY'S INSPECTORS 72 HOURS BEFORE CONNECTING TO ANY EXISTING LINE.
- WATER AND SANITARY UTILITIES SHALL BE TEN (10') FEET CLEARANCE (PARALLEL) OR WHEN CROSSING 18" VERTICAL CLEARANCE (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE.)
- LINES UNDERGROUND SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING.
- REFER TO ARCHITECTURAL, ELECTRICAL AND MECHANICAL PLANS FOR EQUIPMENT TIE-IN OF ALL UTILITIES.
- CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS. THE CONTRACTOR SHALL CONDUCT ALL REQUIRED TESTS TO THE SATISFACTION OF THE RESPECTIVE UTILITY REGULATIONS AND THE OWNER'S INSPECTION AUTHORITIES.
- REFER TO MECHANICAL AND ELECTRICAL PLANS FOR PIPING AND GAS/ELECTRICAL SERVICES.



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F. THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE) BY GENERAL CONTRACTOR. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.

2. CONTRACTORS AND SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING ALL SEDIMENT FROM THE SITE, INCLUDING DETENTION BASINS AND STORM SEWER SYSTEMS. SEDIMENT DEPOSITION DURING SITE STABILIZATION MUST ALSO BE REMOVED.

3. ALL RIP-RAP MUST BE PLACED OVER GEOTEXTILE FILTER.

4. STONE CONSTRUCTION EXIT TO BE MAINTAINED BY GENERAL CONTRACTOR UNTIL SITE HAS BEEN PAVED OR IS NO LONGER REQUIRED.

SOLID / SANITARY / TOXIC WASTES NOTES

1. CONTAINERS SHALL BE AVAILABLE FOR DISPOSAL OF DEBRIS, TRASH, HAZARDOUS OR PETROLEUM WASTES. ALL CONTAINERS MUST BE COVERED AND LEAK-PROOF. ALL WASTE MATERIAL SHALL BE DISPOSAL OF AT FACILITIES APPROVED FOR THE PERTINENT MATERIAL.

2. BRICKS, HARDENED CONCRETE AND SOIL WASTE SHALL BE FREE FROM CONTAMINATION WHICH MAY LEACH CONSTITUENTS TO WATERS OF THE STATE.

3. CLEAN CONSTRUCTION WASTES THAT WILL BE DISPOSAL INTO THE PROPERTY SHALL BE SUBJECT TO ANY LOCAL PROHIBITIONS FROM THIS TYPE OF DISPOSAL.

4. ALL CONSTRUCTION AND DEMOLITION DEBRIS (C&DD) WASTE SHALL BE DISPOSAL OF IN AN APPROVED C&DD LANDFILL. CONSTRUCTION DEBRIS MAY BE DISPOSAL OF ON-SITE, BUT DEMOLITION DEBRIS MUST BE DISPOSAL OF IN AN APPROVED LANDFILL. ALSO, MATERIALS WHICH CONTAIN ASBESTOS MUST COMPLY WITH AIR POLLUTION REGULATIONS.

5. AREA SHALL BE DESIGNATED BY CONTRACTOR AND SHOWN ON SWPPP MAP FOR MIXING OR STORAGE OF COMPOUNDS SUCH AS FERTILIZERS, LIME ASPHALT, OR CONCRETE, THESE DESIGNATED AREAS SHALL BE LOCATED AWAY FROM WATERCOURSES, DRAINAGE DITCHES, FIELD DRAINS, OR OTHER STORM WATER DRAINAGE AREA.

6. EQUIPMENT FUELING & MAINTENANCE SHALL BE IN DESIGNATED AREAS ONLY.

7. A SPILL PREVENTING CONTROL AND COUNTERMEASURE (SPCC) PLAN MUST DEVELOPED FOR SITES WITH ONE ABOVE-GROUND STORAGE TANK OF 660 GALLONS OR MORE, TOTAL ABOVE-GROUND STORAGE OF 1,330 GALLONS OR BELOW-GROUND STORAGE OF 4,200 GALLONS OF FUEL.

8. ALL DESIGNATED CONCRETE WASHOUT AREAS SHALL BE LOCATED AWAY FROM WATERCOURSES, DRAINAGE DITCHES, FIELD DRAINS OR OTHER STORM WATER DRAINAGE AREAS.

9. ALL CONTAMINATED SOIL MUST BE TREATED AND / OR DISPOSAL IN AN APPROVED SOLID WASTE MANAGEMENT FACILITY OR HAZARDOUS WASTE TREATMENT, STORAGE OR DISPOSAL FACILITIES.

10. THE CONTRACTOR SHALL CONTACT KYDEP, THE LOCAL FIRE DEPARTMENT AND THE LOCAL EMERGENCY PLANNING COMMITTEE IN THE EVENT OF A PETROLEUM SPILL (>25 GALLONS) OR THE PRESENCE OF SHEEN.

11. OPEN BURNING IS NOT PERMITTED ON THE SITE.

GENERAL NOTES

1. ADDITIONAL EROSION AND SEDIMENT CONTROLS MAY BE REQUIRED AS IDENTIFIED WITH KENTUCKY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND LOCAL JURISDICTION INSPECTOR.

2. CONTRACTOR SHALL REVIEW THE COMPLETE DRAWING SET AND NOTIFY THE DESIGN PROFESSIONAL IN WRITING PRIOR TO CONSTRUCTION, IF ANY DISCREPANCIES ARE FOUND WITHIN THE DRAWING OR WITH ACTUAL FIELD CONDITIONS.

3. ALL STORM WATER POLLUTION PREVENTION PLANS, NOTES AND DETAILS SHALL COMPLY WITH THE KYDEP PLANNING AND TECHNICAL SPECIFICATIONS MANUAL FOR STORM WATER POLLUTION PREVENTION PLANS.

4. DEVELOPER / OWNER IS RESPONSIBLE TO MAINTAIN EROSION CONTROL MEASURES UNTIL ADEQUATE RE-VEGETATION AND STABILIZATION ARE ACHIEVED.

10. NO SOLID (OTHER THAN SEDIMENT) OR LIQUID WASTE, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED IN STORM WATER RUNOFF. ALL NON-SEDIMENT POLLUTANTS MUST BE DISPOSAL OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL GUIDELINES. WASH OUT OF CEMENT TRUCKS SHOULD OCCUR IN DESIGNATED PIT OR DIKED AREAS, WHERE WASHINGS CAN BE REMOVED AND PROPERLY DISPOSAL OF OFF-SITE WHEN THEY HARDEN. STORAGE TANKS SHOULD ALSO BE LOCATED IN PIT OR DIKED AREAS. IN ADDITION, SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOATATION BOOMS TO CLEAN AND CONTAIN FUEL AND CHEMICAL SPILLS MUST BE KEPT ON SITE.

11. IF THE ACTION OF VEHICLES TRAVELING OVER THE STABILIZED CONSTRUCTION EXIT DOES NOT SUFFICIENTLY REMOVE MOST OF THE DIRT AND MUD, THEN THE TIRES MUST BE WASHED BEFORE VEHICLES ENTER A PUBLIC ROAD. PROVISIONS MUST BE MADE TO INTERCEPT THE WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.

12. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DISPOSAL INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE SITE THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.

13. DUST CONTROL USING APPROVED MATERIALS MUST BE PERFORMED AT ALL TIME. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION IS PROHIBITED.

14. ON-SITE AND OFF-SITE STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AN SEDIMENTATION BY USE OF BEST MANAGEMENT PRACTICES. THESE AREAS MUST BE SHOWN IN THE SITE MAP AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS. AT A MINIMUM, A SILT FENCE IS TO BE PLACED AT PERIMETER OF STOCKPILE AREA TO PREVENT SOIL FROM LEAVING THE STOCKPILE AREA.

15. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED ONTO THE ROADWAYS OR INTO THE STORM SEWERS MUST BE REMOVED IMMEDIATELY.

16. ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH DAY; THIS INCLUDES BACKFILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF GRAVEL OR ASPHALT FOR ROAD CONSTRUCTION.

17. THE LAST LAYER OF SOIL, INCLUDING THE TOPSOIL, SHALL BE COMPACTED TO 80% - 85% OF THE MAXIMUM STANDARD PROCTOR DENSITY, IN AREAS OUTSIDE THE PARKING LOT THAT WILL RECEIVE VEGETATION. THIS IS PARTICULARLY IMPORTANT IN CUT SLOPE AND EMBANKMENT AREAS. IN PAVEMENT AND ISLAND AREAS, IT IS RECOMMENDED THAT THE SOIL BE COMPACTED TO 98% AND 95% OF THE MAXIMUM STANDARD DENSITY RESPECTIVELY; THE LAST COMPACTED LAYER MAY BE SCARIFIED TO IMPROVE THE SOIL GROWTH CHARACTERISTICS.

18. IN THE EVENT THAT HIGH GROUND WATER IS ENCOUNTERED, CONTRACTOR IS RESPONSIBLE FOR DESIGNING AND IMPLEMENTING A PLAN TO CONTROL BOTH SURFACE AND GROUND WATER DURING THE COURSE OF CONSTRUCTION. ALL DEWATERING ACTIVITIES SHALL THROUGH A BMP PRIOR TO LEAVING SITE.

INSPECTION / MAINTENANCE NOTES

FILTER BARRIERS, INCLUDING BUT NOT LIMITED TO SILT FENCE AND INLET PROTECTION, SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.

SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY HALF THE HEIGHT OF THE BARRIER.

IF THE FABRIC DECOMPOSES OR BECOMES INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER IS STILL REQUIRED, THE FABRIC SHALL BE REPLACED PROMPTLY.

ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CON FORM WITH THE EXITING GRADE, PREPARED AND SEEDED.

1. ALL CONTROL MEASURES STATED IN THE SWPPP SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL TEMPORARY OR PERMANENT STABILIZATION OF THE SITE IS ACHIEVED. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED BY A QUALIFIED PERSON IN ACCORDANCE TO THE CONTRACT DOCUMENTS OR THE APPLICABLE PERMIT, WHICHEVER IS MORE STRINGENT AND REPAIRED TO THE FOLLOWING:

A. INLET PROTECTION DEVICES AND CONTROLS SHALL BE REPAIRED OR REPLACED WHEN THEY SHOW SIGNS OF UNDERMINING AND OR DETERIORATION.

B. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO ENSURE THAT A GOOD STANDING OF GRASS IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED AND RESEEDED AS NEEDED

C. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITION IF DAMAGED. SEDIMENT ACCUMULATION MUST BE REMOVED WHEN SEDIMENT HEIGHT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE OR CHECK DAM.

D. OUTLET STRUCTURES IN SEDIMENTATION BASINS SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS AT ALL TIMES. SEDIMENT MUST BE REMOVED FROM BASINS AND OR TRAPS WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY 40%.

E. MINIMIZE OFF-SITE SEDIMENT TRACKING OF VEHICLES BY THE USE OF STONE MATERIAL IN ALL CONSTRUCTION ENTRANCES, ALONG WITH REGULARLY SCHEDULED SWEEPING/GOOD HOUSEKEEPING. STABILIZED CONSTRUCTION ENTRANCES TO BE PROPERLY MAINTAINED BY GENERAL CONTRACTOR AND IN GOOD WORKING ORDER AT ALL TIMES; THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE STONE AS CONDITIONS DEMAND.

STORMWATER POLLUTION PREVENTION PLAN NOTES

SITE EPSC SHALL BE CHECKED AND IF NECESSARY, REPAIR WEEKLY AND WITHIN 24 HOURS AFTER EACH RAINFALL GREATER THAN 1/2". IN THE EVENT OF CONTINUOUS RAINFALL, EROSION CONTROLS SHALL BE CHECKED DAILY.

REMOVE TRAPPED SEDIMENT FROM SEDIMENT CONTROLS AT OR BEFORE 50% OF DESIGN CAPACITY.

ALL AREAS TO REMAIN BARE GREATER THAN 7 DAYS MUST BE TEMPORARILY STABILIZED.

THERE SHALL BE NO DIRT, DEBRIS, OR STORAGE OF MATERIALS IN THE STREET.

GEOTEXTILE FABRIC SHALL BE PLACED UNDER THE STONE LAYER OF THE CONSTRUCTION ENTRANCE.

STRAW BALES SHALL NOT BE USED AS A FORM OF EROSION CONTROL.

ALL EPSC PROPOSED MUST BE INSTALLED TO CONTROL RAINFALL AND RUNOFF FOR THE 2-YR, 24-HOUR STORM EVENT.

QUALITY ASSURANCE INSPECTION OF EROSION AND SEDIMENT CONTROLS SHALL BE PERFORMED WITHIN ONE MONTH OF CONSTRUCTION COMMENCING.

1. ALL EROSION AND SEDIMENTATION CONTROL SHALL BE PERFORMED ACCORDING TO: SWPPP AND DETAIL PLANS; ACCORDING TO THE LATEST AUTHORIZATION FOR CONSTRUCTION ACTIVITY UNDER THE "KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM" (KPDES); ANY AND ALL REQUIRED PERMITS, REPORTS AND RELATED DOCUMENTS. SEE KENTUCKY DEPARTMENT OF ENVIRONMENTAL PROTECTION FOR SWPPP RULES AND REGULATIONS. ALL CONTRACTORS AND SUBCONTRACTORS MUST BECOME FAMILIAR WITH ALL OF THE ABOVE. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED IN THE FIELD BY THE INSPECTOR.

2. CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AND GRADE CHANGES TO THE SITE AT NO ADDITIONAL COST TO OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.

3. CONTRACTOR SHALL MINIMIZE CLEARING AND DISTURBANCE TO THE ENVIRONMENT TO THE MAXIMUM EXTENT POSSIBLE OR AS REQUIRED BY THE GENERAL PERMIT. DO NOT DISTURB AREA OUTSIDE OF THE LIMITS OF DISTURBANCE (L.O.D.).

4. SEDIMENT STRUCTURE AND PERIMETER SEDIMENT BARRIERS SHALL BE IMPLEMENTED AS THE FIRST STEP OF GRADING WITHIN SEVEN (7) DAYS FROM THE START OF CLEARING AND GRUBBING AND SHALL CONTINUE TO FUNCTION UNTIL THE SLOPE DEVELOPMENT AREA IS RE-STABILIZED.

5. PERMANENT SOIL STABILIZATION OF DISTURBED AREAS BY MEANS OF VEGETATION, LANDSCAPE TYPE, MULCHING, MATTING, SOD, RIP-RAP AND OTHER APPROVED LANDSCAPING TECHNIQUES TO BE APPLIED AS FOLLOWS:

WITHIN SEVEN (7) DAYS OF ANY AREA THAT WILL BE DORMANT FOR ONE (1) YEAR OR MORE.

WITHIN TWO (2) DAYS OF ANY AREA WITHIN 50 FEET OF A STREAM AT FINAL GRADE.

WITHIN SEVEN (7) DAYS FOR ANY OTHER AREA AT FINAL GRADE.

6. TEMPORARY SOIL STABILIZATION OF DISTURBED AREAS BY MEANS OF TEMPORARY VEGETATION, MULCHING, GEOTEXTILES, SOD, PRESERVATION OF EXISTING VEGETATION AND OTHER APPROVED TECHNIQUES TO BE APPLIED AS FOLLOWS:

WITHIN TWO (2) DAYS OF ANY AREA WITHIN 50 FEET OF A STREAM NOT AT FINAL GRADE.

WITHIN SEVEN (7) DAYS OF ANY AREA THAT WILL BE DORMANT FOR MORE THAN TWENTY ONE (21) DAYS, BUT LESS THAN ONE (1) YEAR. PRIOR TO THE ONSET OF WINTER WEATHER FOR AREAS THAT WILL BE IDLE OVER WINTER.

7. TEMPORARY SEEDING, MULCHING AND FERTILIZER SPECIFICATIONS:

SEEDING: ANNUAL RYEGRASS AT 2.02 #/1,000 S.F.

MULCHING: STRAW MATERIAL SHALL BE UNROTTED SMALL GRAIN STRAW APPLIED AT A RATE OF

TWO (2)TON/ACRE, OR 80-100 POUNDS PER 1,000 S.F. MULCH MATERIALS SHALL BE RELATIVELY

FREE OF ALL KINDS OF WEEDS AND SHALL BE FREE OF PROHIBITIVE NOXIOUS WEEDS. MULCH

SHALL BE SPREAD UNIFORMLY BY HAND OR MECHANICAL MEANS. FROM NOVEMBER 01 THRU MARCH 15 INCREASE THE RATE OF STRAW MULCH TO THREE (3)TON/ACRE.

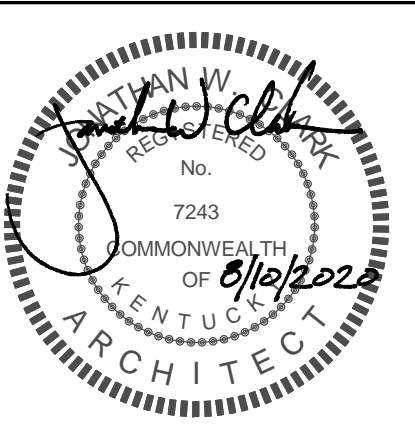
FERTILIZER: APPLY FERTILIZER AT HALF THE RATE OF PERMANENT APPLICATION AND AS PER

STATE DOT SPECIFICATIONS. IF PROJECT CONDITIONS PREVENT FERTILIZING THE SOIL, THEN

THIS ITEM MAY BE WAVIED.

8. PERMANENT SEEDING SHALL BE IN ACCORDANCE WITH KENTUCKY DEPARTMENT OF ENVIRONMENTAL PROTECTION STANDARD SPECIFICATIONS.

9. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRAND PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION. ALL SLOPES 3:1 OR GREATER THAN 3:1 SHALL BE FERTILIZED, SEEDED, AND CURLEX BLANKETS, AS SPECIFIED IN THE PLANS SHALL BE INSTALLED ON THE SLOPES.



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Exp. - June 30, 2021

PROJECT INFORMATION:
Project Name:

Speculative Shell Building

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Hopkinsville, Kentucky 42240

Project Number:
20102

Drawn By:
WCE
Date:
8.10.2020

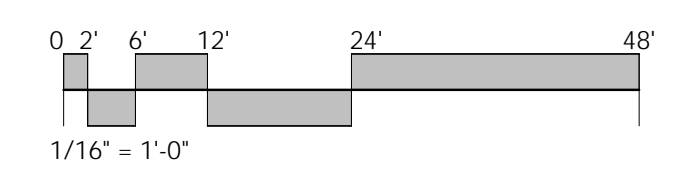
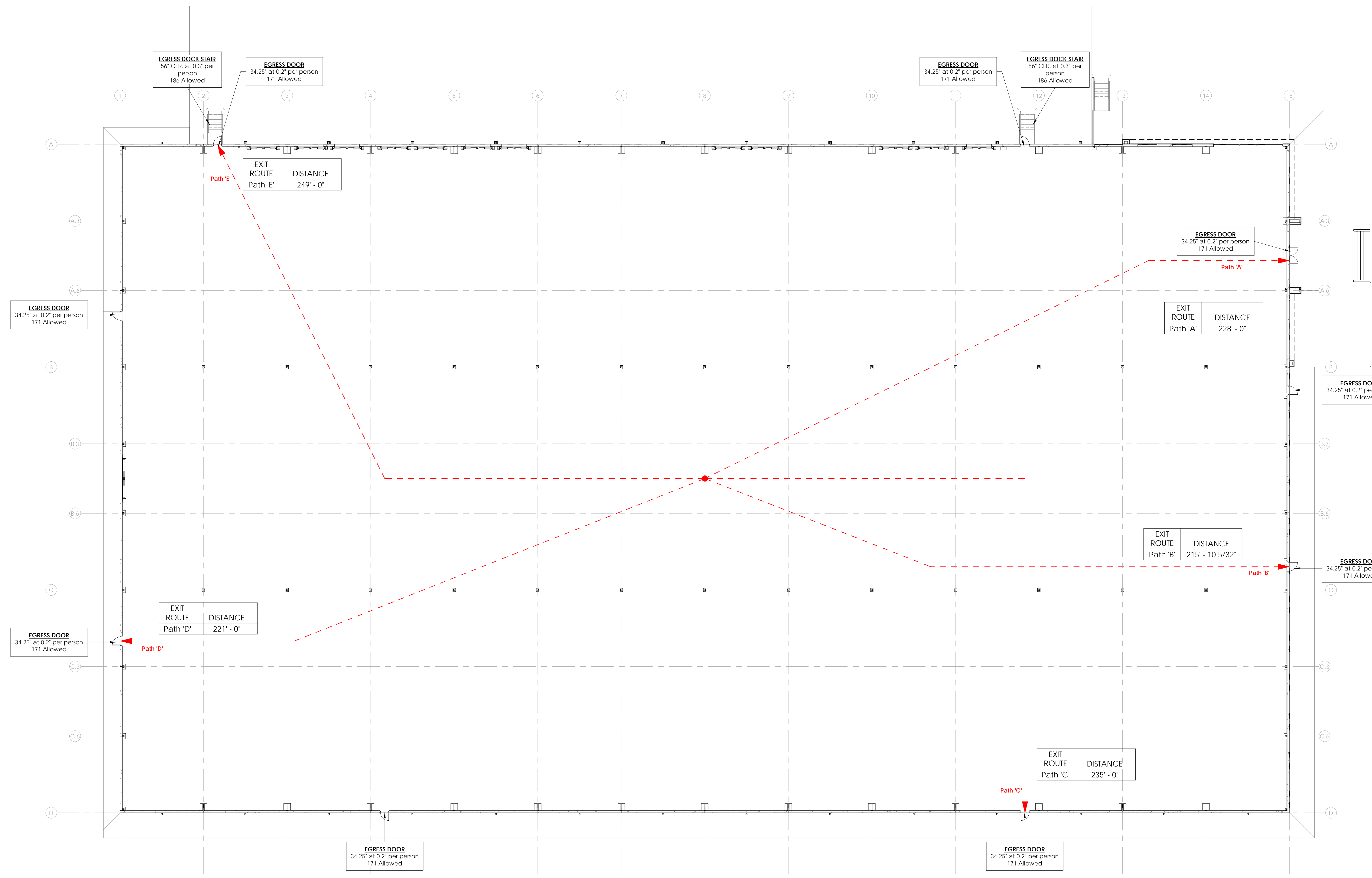
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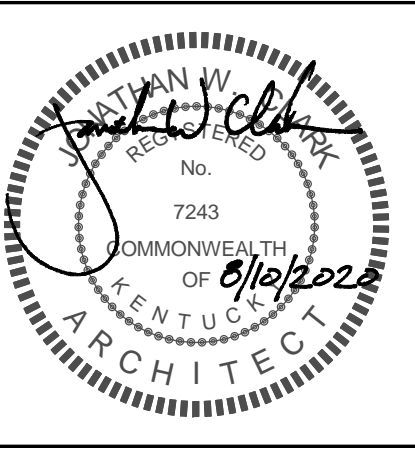
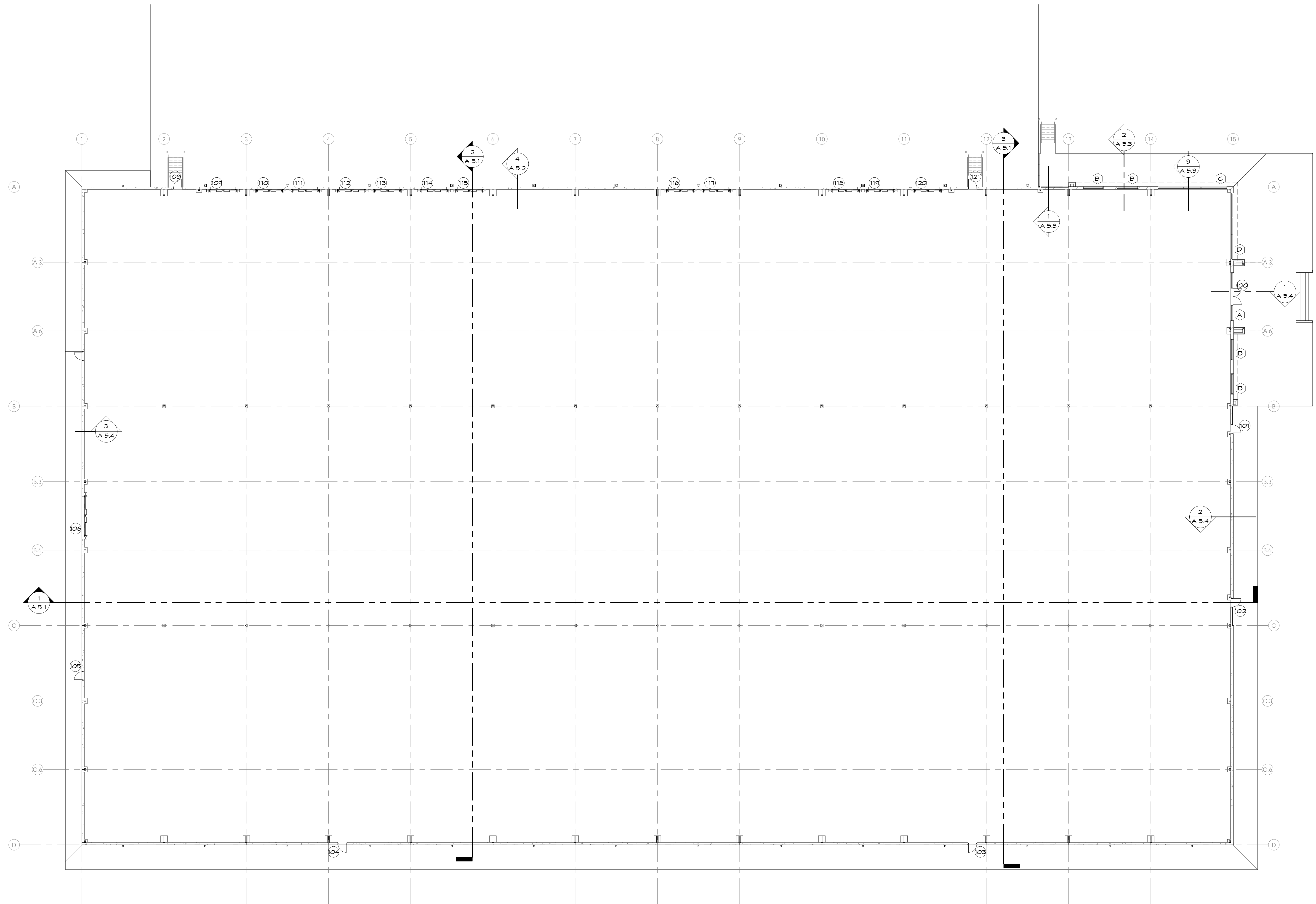
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Sheet Name
LIFE SAFETY PLAN

Sheet Number
A 2.0





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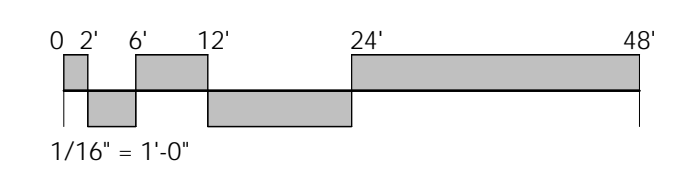
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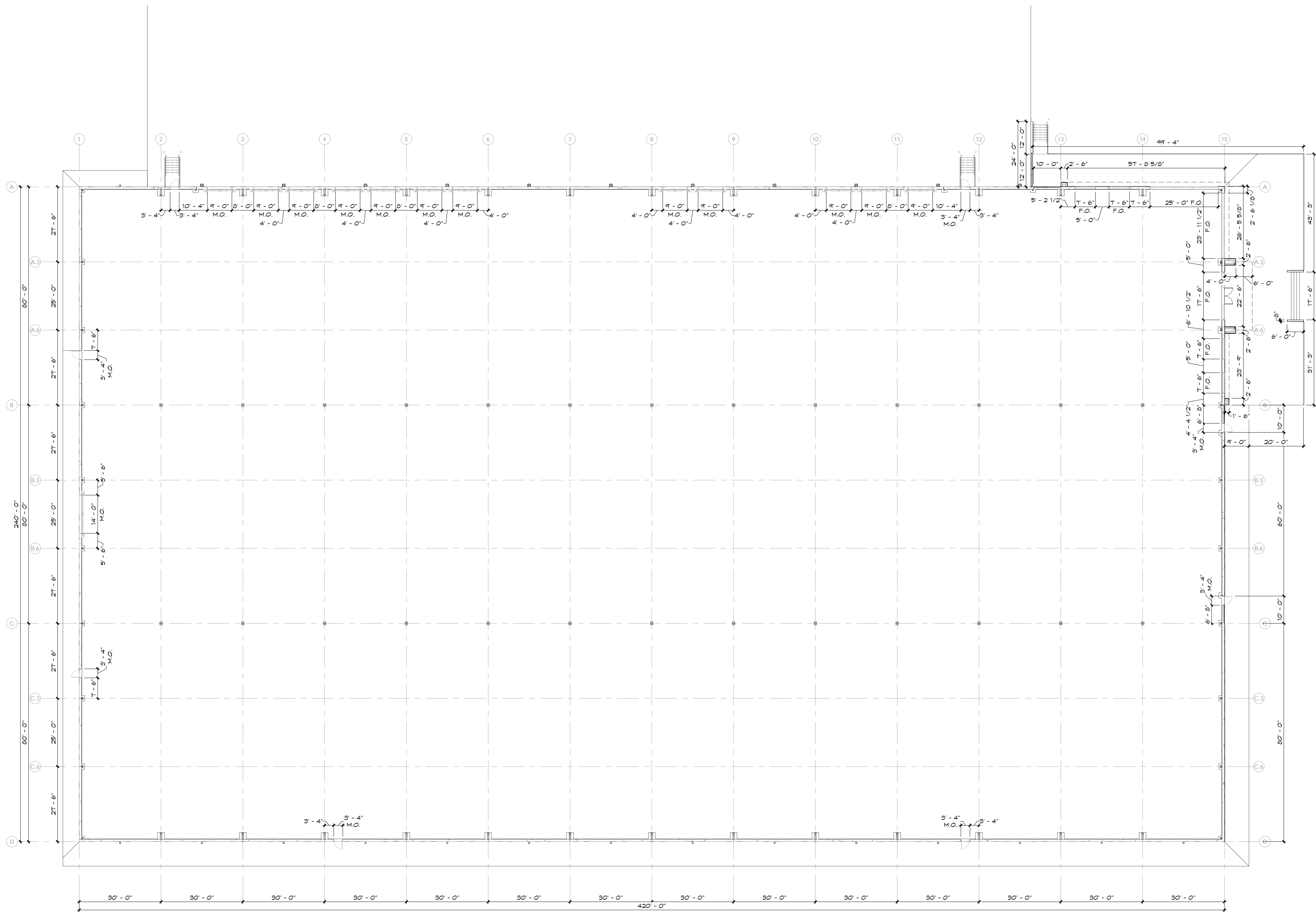
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Sheet Name
 DEPICTIVE FLOOR PLAN

Sheet Number
 A 2.1

1
 A 2.1
 Depictive Floor Plan
 1/16" = 1'-0"





1 Dimensioning Floor Plan
 A 22 1/16" = 1'-0"



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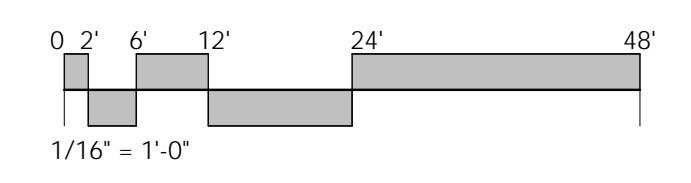
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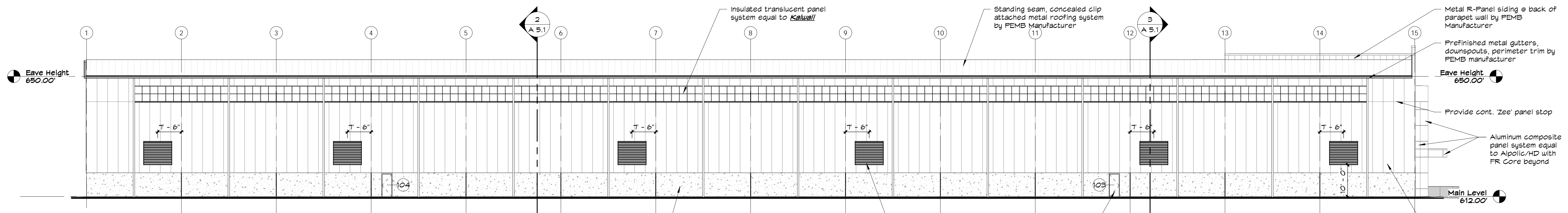
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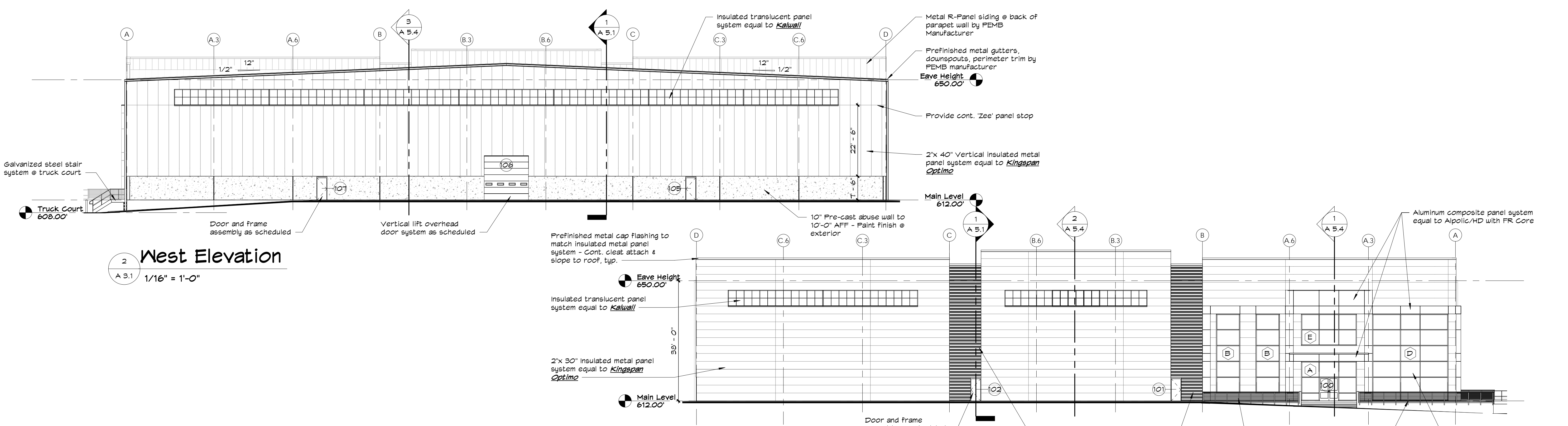
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 DIMENSIONING
 FLOOR PLAN

Sheet Number
 A 2.2



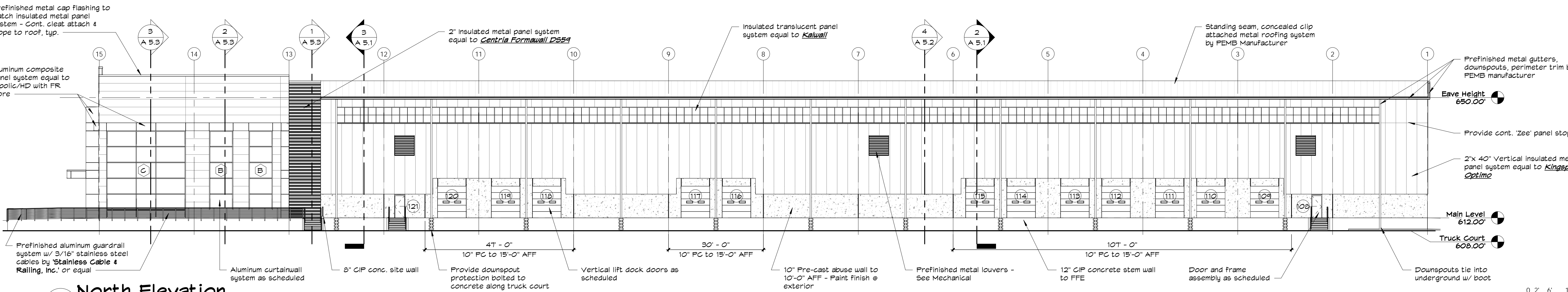


1 South Elevation
A 3.1 1/16" = 1'-0"



2 West Elevation
A 3.1 1/16" = 1'-0"

3 East Elevation
A 3.1 1/16" = 1'-0"



4 North Elevation
A 3.1 1/16" = 1'-0"



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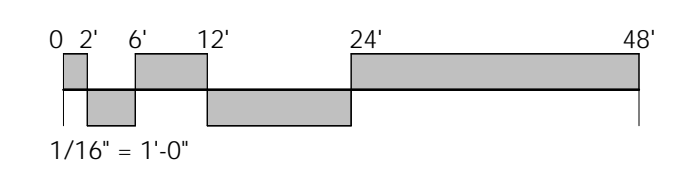
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Sheet Name
EXTERIOR ELEVATIONS

Sheet Number
A 3.1



DOOR SCHEDULE										
DOOR NO.	DOOR MARK	SIZE	TYPE	FINISH	GLASS	FIRE RATING	FRAME	FRAME MARK	FRAME FINISH	REMARKS
100	B	3'-0" x 7'-9 3/4" x 1 3/4"	ALUM/ GLASS	NOTE: 7	TINT'D, TEMP'D, INSUL'G	----	ALUM. CW	----	NOTE: 7	NOTES: 2-6
101	B	3'-0" x 7'-0" x 1 3/4"	IM	NOTE: 8	----	----	HM	1	NOTE: 5	NOTES: 1-5, 10 & 13
102	B	3'-0" x 7'-0" x 1 3/4"	IM	NOTE: 8	----	----	HM	1	NOTE: 5	NOTES: 1-5, 10 & 13
103	B	3'-0" x 7'-0" x 1 3/4"	IM	NOTE: 8	----	----	HM	1	NOTE: 5	NOTES: 1-5, 10 & 13
104	B	3'-0" x 7'-0" x 1 3/4"	IM	NOTE: 8	----	----	HM	1	NOTE: 5	NOTES: 1-5, 10 & 13
105	B	3'-0" x 7'-0" x 1 3/4"	IM	NOTE: 8	----	----	HM	1	NOTE: 5	NOTES: 1-5, 10 & 13
106	C	14'-0" x 14'-0"	INSUL'D STEEL SECTIONAL OH	NOTE: 9	POLYCARBONATE	----	STEEL	----	GALV.	NOTES: 2-5, 11-12
107	B	3'-0" x 7'-0" x 1 3/4"	IM	NOTE: 8	----	----	HM	1	NOTE: 5	NOTES: 1-5, 10 & 13
108	B	3'-0" x 7'-0" x 1 3/4"	IM	NOTE: 8	----	----	HM	1	NOTE: 5	NOTES: 1-5, 10 & 13
109	D	9'-0" x 10'-0"	INSUL'D STEEL SECTIONAL OH	NOTE: 9	POLYCARBONATE	----	STEEL	----	GALV.	NOTES: 2-5, 11-12
110	D	9'-0" x 10'-0"	INSUL'D STEEL SECTIONAL OH	NOTE: 9	POLYCARBONATE	----	STEEL	----	GALV.	NOTES: 2-5, 11-12
111	D	9'-0" x 10'-0"	INSUL'D STEEL SECTIONAL OH	NOTE: 9	POLYCARBONATE	----	STEEL	----	GALV.	NOTES: 2-5, 11-12
112	D	9'-0" x 10'-0"	INSUL'D STEEL SECTIONAL OH	NOTE: 9	POLYCARBONATE	----	STEEL	----	GALV.	NOTES: 2-5, 11-12
113	D	9'-0" x 10'-0"	INSUL'D STEEL SECTIONAL OH	NOTE: 9	POLYCARBONATE	----	STEEL	----	GALV.	NOTES: 2-5, 11-12
114	D	9'-0" x 10'-0"	INSUL'D STEEL SECTIONAL OH	NOTE: 9	POLYCARBONATE	----	STEEL	----	GALV.	NOTES: 2-5, 11-12
115	D	9'-0" x 10'-0"	INSUL'D STEEL SECTIONAL OH	NOTE: 9	POLYCARBONATE	----	STEEL	----	GALV.	NOTES: 2-5, 11-12
116	D	9'-0" x 10'-0"	INSUL'D STEEL SECTIONAL OH	NOTE: 9	POLYCARBONATE	----	STEEL	----	GALV.	NOTES: 2-5, 11-12
117	D	9'-0" x 10'-0"	INSUL'D STEEL SECTIONAL OH	NOTE: 9	POLYCARBONATE	----	STEEL	----	GALV.	NOTES: 2-5, 11-12
118	D	9'-0" x 10'-0"	INSUL'D STEEL SECTIONAL OH	NOTE: 9	POLYCARBONATE	----	STEEL	----	GALV.	NOTES: 2-5, 11-12
119	D	9'-0" x 10'-0"	INSUL'D STEEL SECTIONAL OH	NOTE: 9	POLYCARBONATE	----	STEEL	----	GALV.	NOTES: 2-5, 11-12
120	D	9'-0" x 10'-0"	INSUL'D STEEL SECTIONAL OH	NOTE: 9	POLYCARBONATE	----	STEEL	----	GALV.	NOTES: 2-5, 11-12
121	B	3'-0" x 7'-0" x 1 3/4"	IM	NOTE: 8	----	----	HM	1	NOTE: 5	NOTES: 1-5, 10 & 13

DOOR SCHEDULE NOTES:

- DOOR FRAMES SHALL BE MIN. 14GA. W/ MITERED & WELDED CORNERS - SHOP PRIME FRAME & TOUCH UP PRIME COAT IMMEDIATELY AFTER INSTALLATION.
- ALL HARDWARE SHALL BE U.L. APPROVED.
- ALL HARDWARE SHALL MEET ADA REQUIREMENTS.
- ALL DOORS TO HAZARDOUS AREAS SHALL BE EQUIPPED W/ TEXTURED FINISHED HARDWARE.
- CONTRACTOR SHALL COORDINATE W/ OWNER REQUIREMENTS FOR KEYING OF HARDWARE PRIOR TO ORDERING.
- SEE WINDOW ELEVATIONS.
- 70% PVDF FINISH - **OWNER SELECTED FINISH**
- PAINT FINISH SHALL BE EXTERIOR GRADE LATEX ENAMEL - **OWNER SELECTED COLOR**
- POLYESTER POWDER COAT FINISH - **OWNER SELECTED COLOR**
- CONTRACTOR SHALL INSTALL PANIC HARDWARE EXIT DEVICE
- CONTRACTOR SHALL COORDINATE W/ DOOR MANUFACTURER AND PEMB MANUFACTURER ALL REACTIONS. REQUIRED BLOCKING & BRACING REQUIRED TO COMPLETE PEMB SHOP DRAWINGS.
- ALL SECTIONAL OVERHEAD DOOR TRACK ASSEMBLIES SHALL BE *VERTICAL LIFT* COORDINATE WITH PEMB MANUFACTURER PLACEMENT OF TRACK & BRACING RESTRICTIONS @ DOCK DOORS



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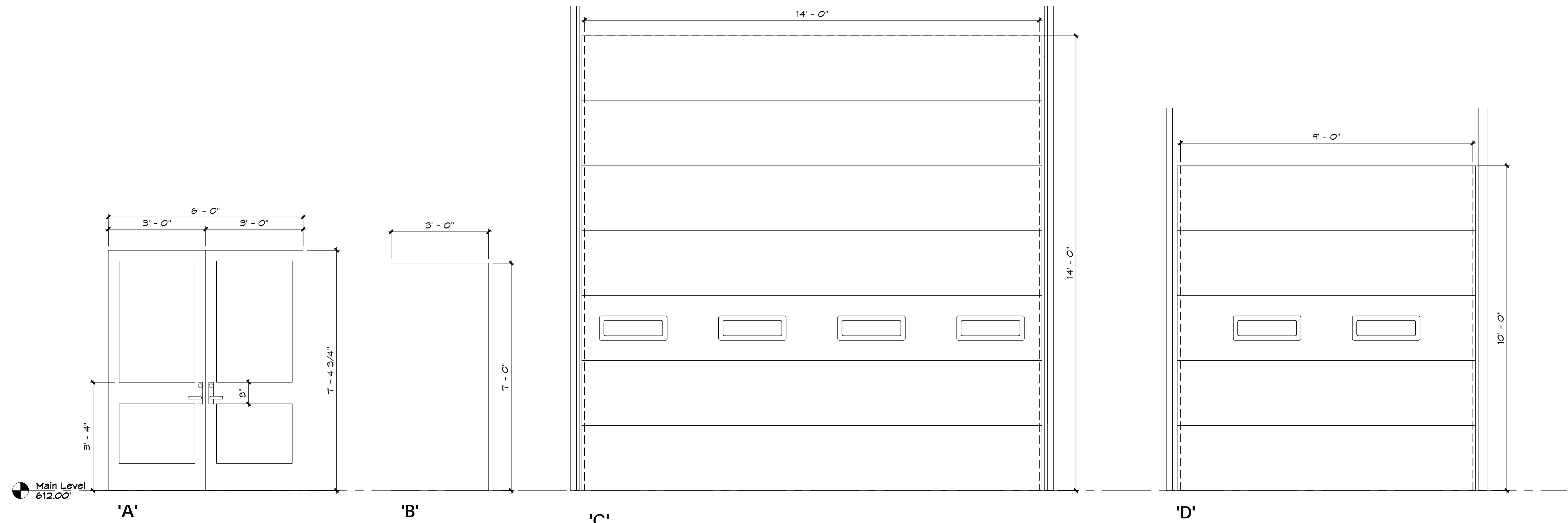
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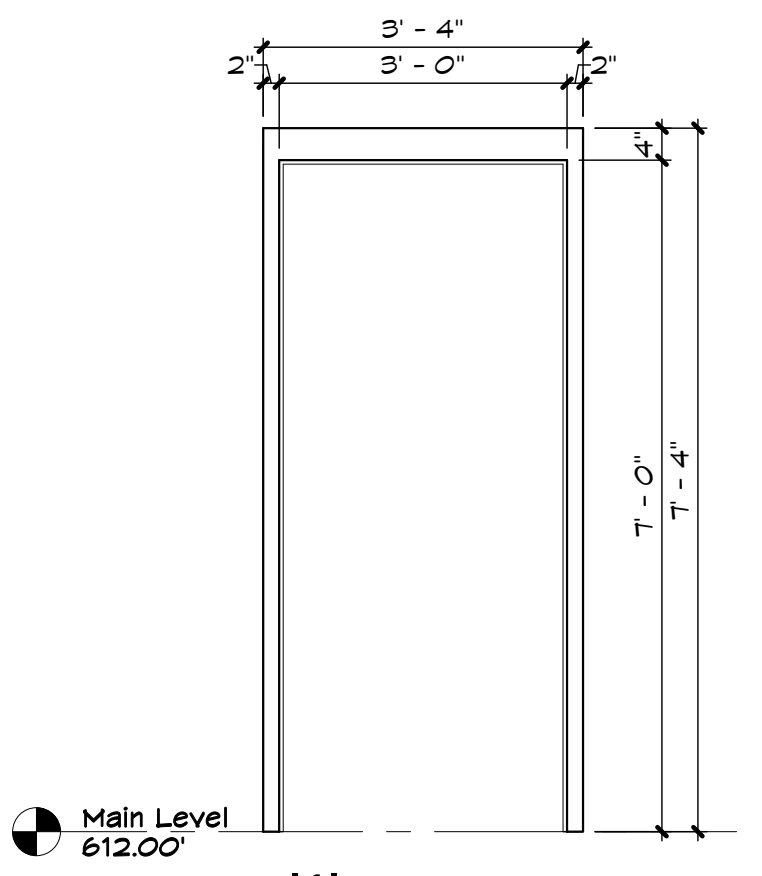
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Sheet Name
DOOR SCHEDULE & ELEVATIONS

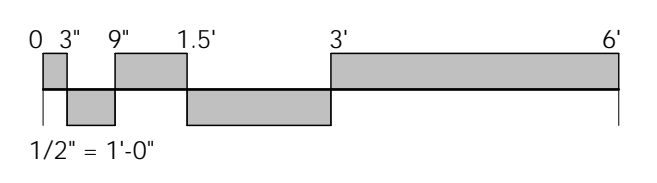
Sheet Number
A 4.1



1 Door Elevations
A 4.1 1/2" = 1'-0"

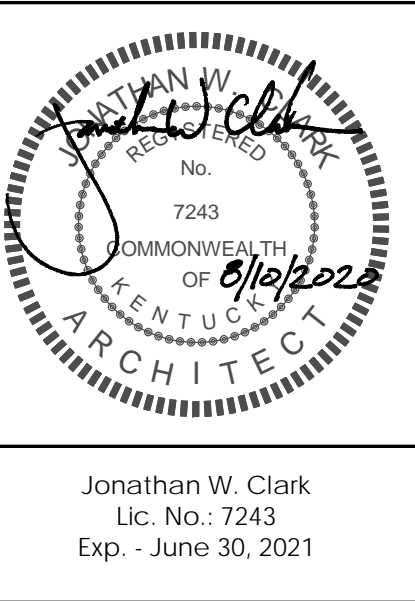


2 Frame Elevation
A 4.1 1/2" = 1'-0"



WINDOW SCHEDULE						
MARK	SIZE	TYPE - OPERATION	FRAME	GLASS TYPE	FINISH	REMARKS
A	17'-6" x 12'-6" F.O.	FIXED SASH	ALUMINUM CURTAINWALL	TINT'D, TEMP'D, INSUL'G	NOTE: 5	NOTES: 1-6
B	7'-6" x 25'-0" F.O.	FIXED SASH	ALUMINUM CURTAINWALL	TINT'D, TEMP'D, INSUL'G	NOTE: 5	NOTES: 1-5
C	25'-0" x 27'-6" F.O.	FIXED SASH	ALUMINUM CURTAINWALL	TINT'D, TEMP'D, INSUL'G	NOTE: 5	NOTES: 1-5
D	23'-11 1/2" x 27'-6" F.O.	FIXED SASH	ALUMINUM CURTAINWALL	TINT'D, TEMP'D, INSUL'G	NOTE: 5	NOTES: 1-5
E	17'-6" x 10'-0" F.O.	FIXED SASH	ALUMINUM CURTAINWALL	TINT'D, TEMP'D, INSUL'G	NOTE: 5	NOTES: 1-5

- NOTES:**
- CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS & NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO FABRICATION.
 - ALL EXTERIOR GLAZING SYSTEMS TO BE SET ON ALUMINUM SILL RECEPTOR W/ WELDED END DAMS. TURN UP SILL CAP AT INSIDE OF SYSTEM 1/2" AND TURN DOWN OVER EDGE OF SLAB OR EDGE OF EXTERIOR FINISH 1/2" MINIMUM - MATCH SILL CAP TO CURTAINWALL
 - COORDINATE CURTAINWALL BRACING REQUIREMENTS W/ PEMB MANUFACTURER
 - SEE WINDOW ELEVATIONS.
 - 70% PVDF FINISH - OWNER SELECTED FINISH
 - SEE DOOR SCHEDULE



PROJECT INFORMATION:
Project Name:
Speculative Shell Building
Project Address:
 US Hwy 41 and Frank Yost Lane
 Hopkinsville, Kentucky 42240

Project Number:
 20102

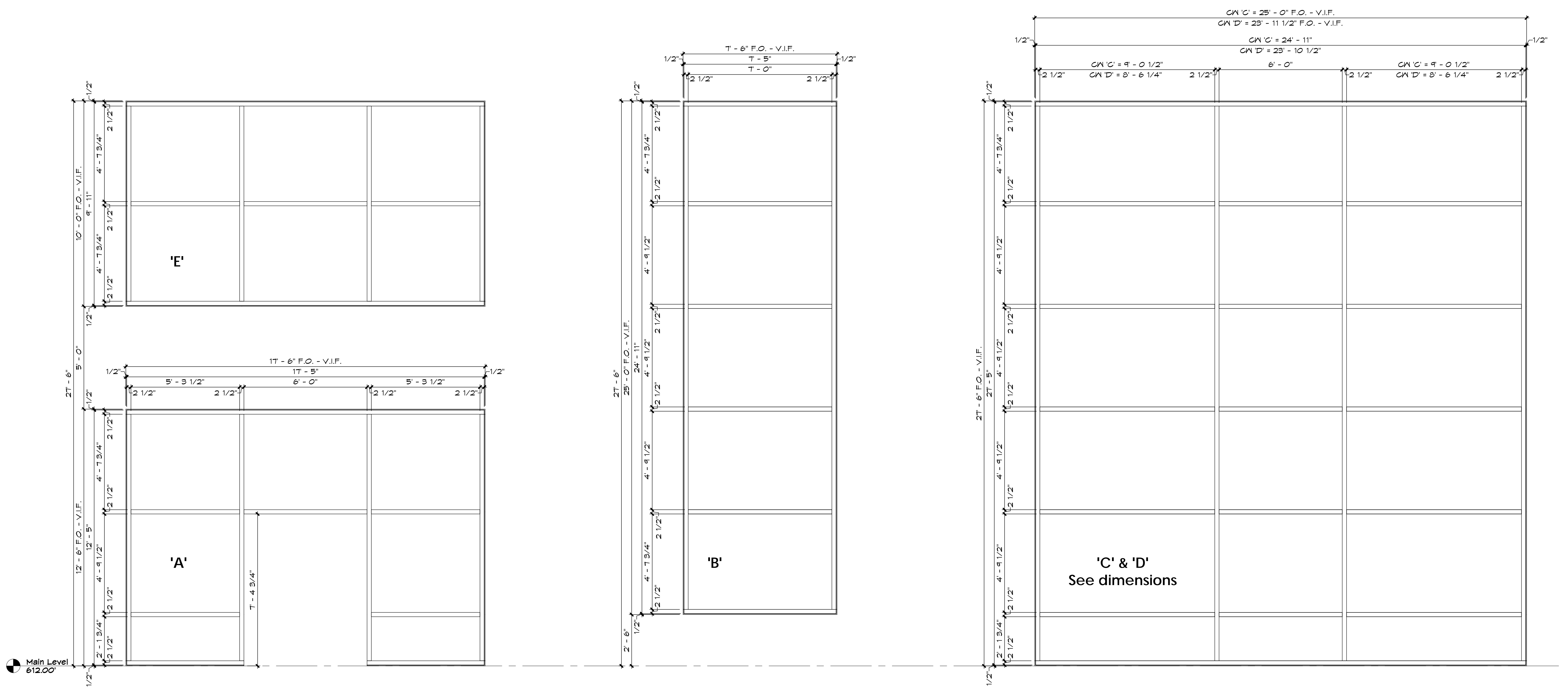
Drawn By:
 WCE
Date:
 8.10.2020

#	Revision Date:

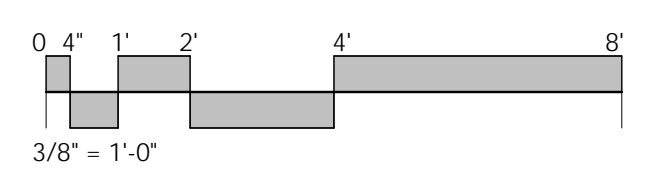
Jonathan W. Clark,
 Architect
 55 North 1st St. - Suite 300
 Clarksville, Tennessee 37040
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 e - info@clarkarchitecture.com

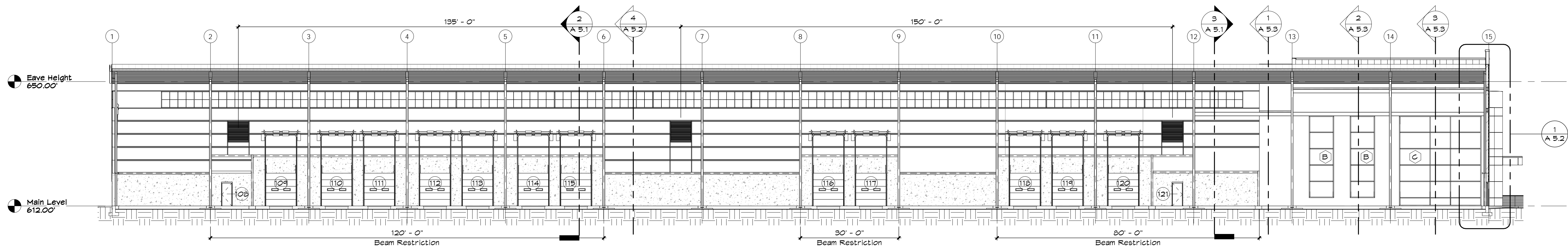
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 WINDOW SCHEDULE & ELEVATIONS

Sheet Number
 A 4.2



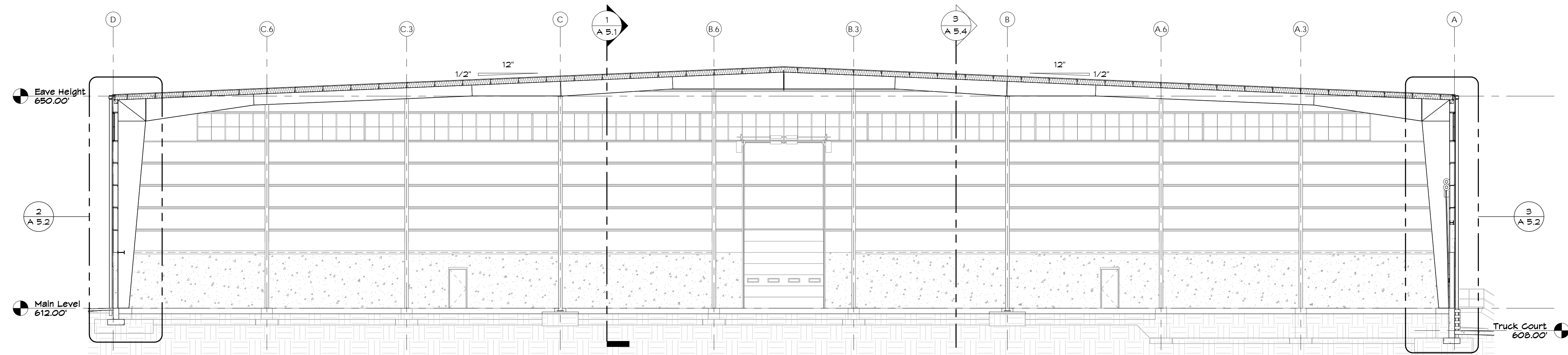
1 Window Elevations
 A 4.2 3/8" = 1'-0"



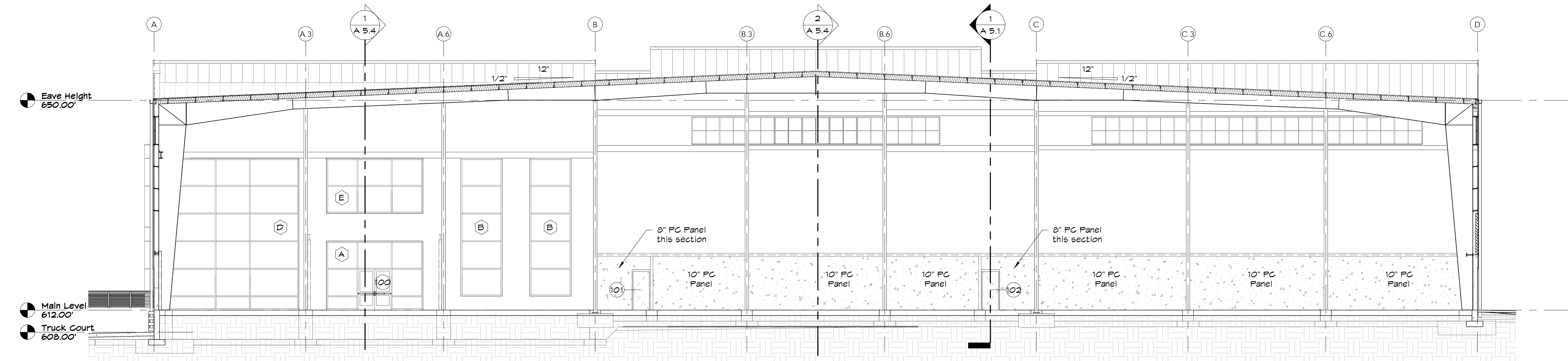


1 Building Section
A 5.1 1/16" = 1'-0"

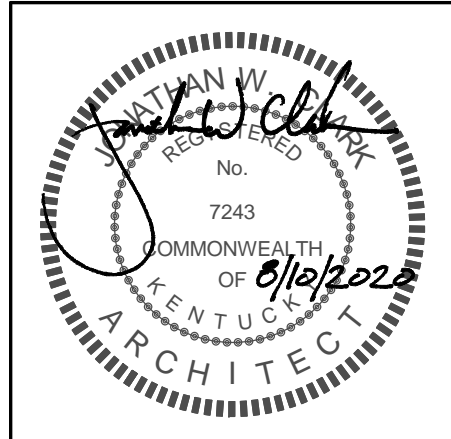
NOTE:
PC panel Abuse wall to terminate @ 15'-0" AFF around dock doors



2 Building Section
A 5.1 3/32" = 1'-0"



3 Building Section
A 5.1 3/32" = 1'-0"



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Exp. - June 30, 2021

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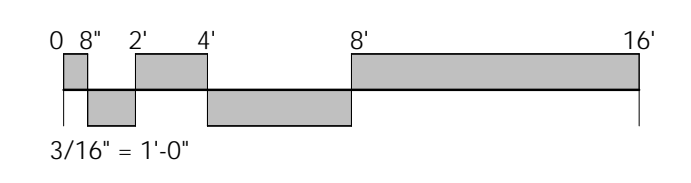
Revision Date:

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Sheet Name
BUILDING SECTIONS

Sheet Number
A 5.1





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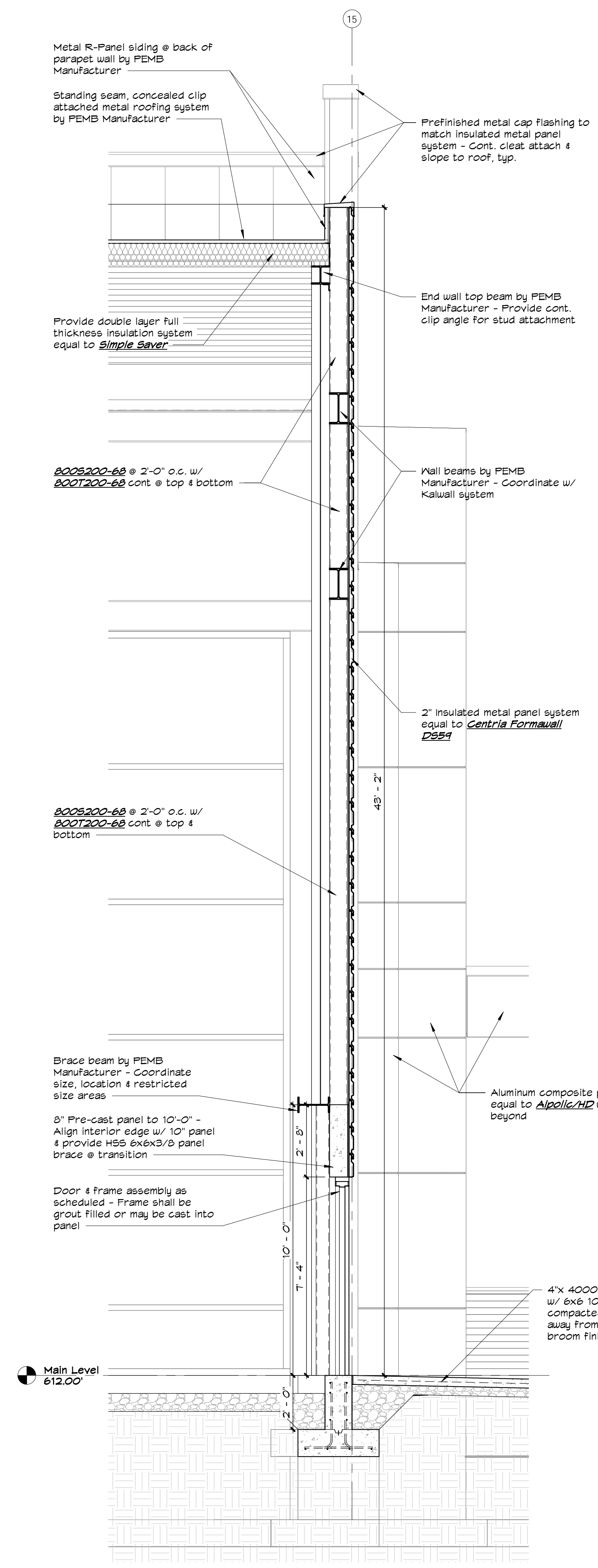
Revision Date:

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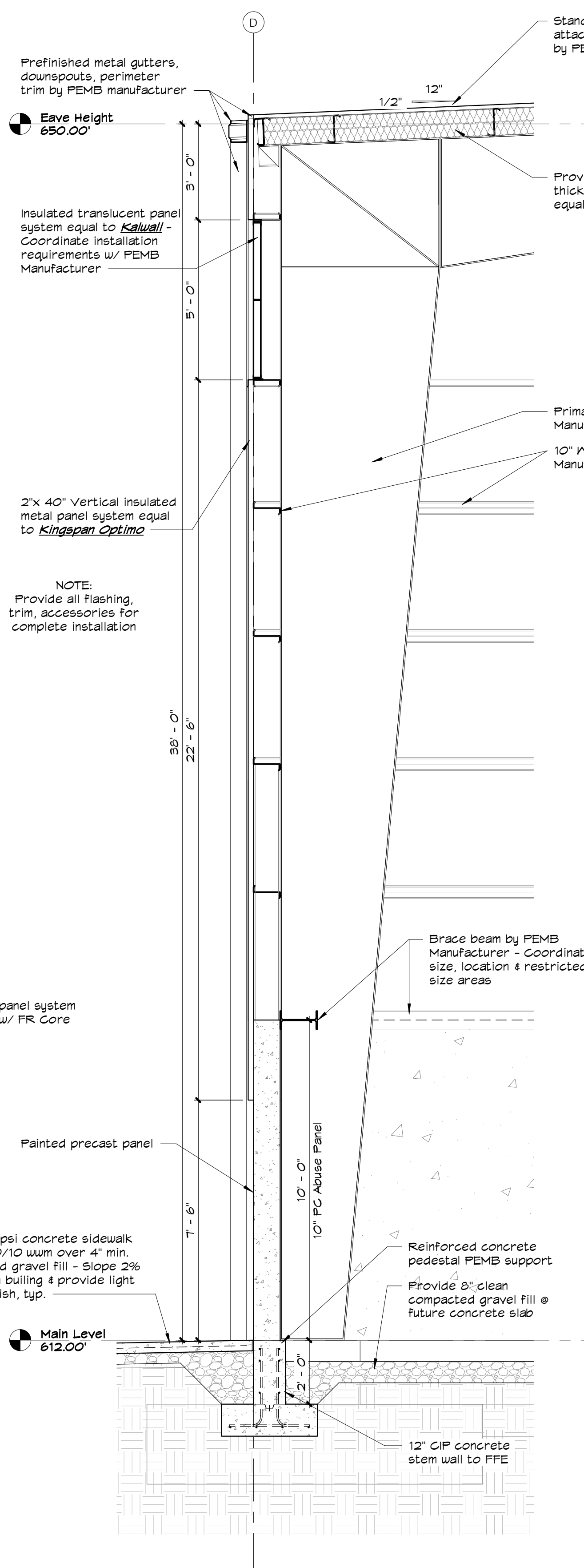
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Sheet Name
WALL SECTIONS

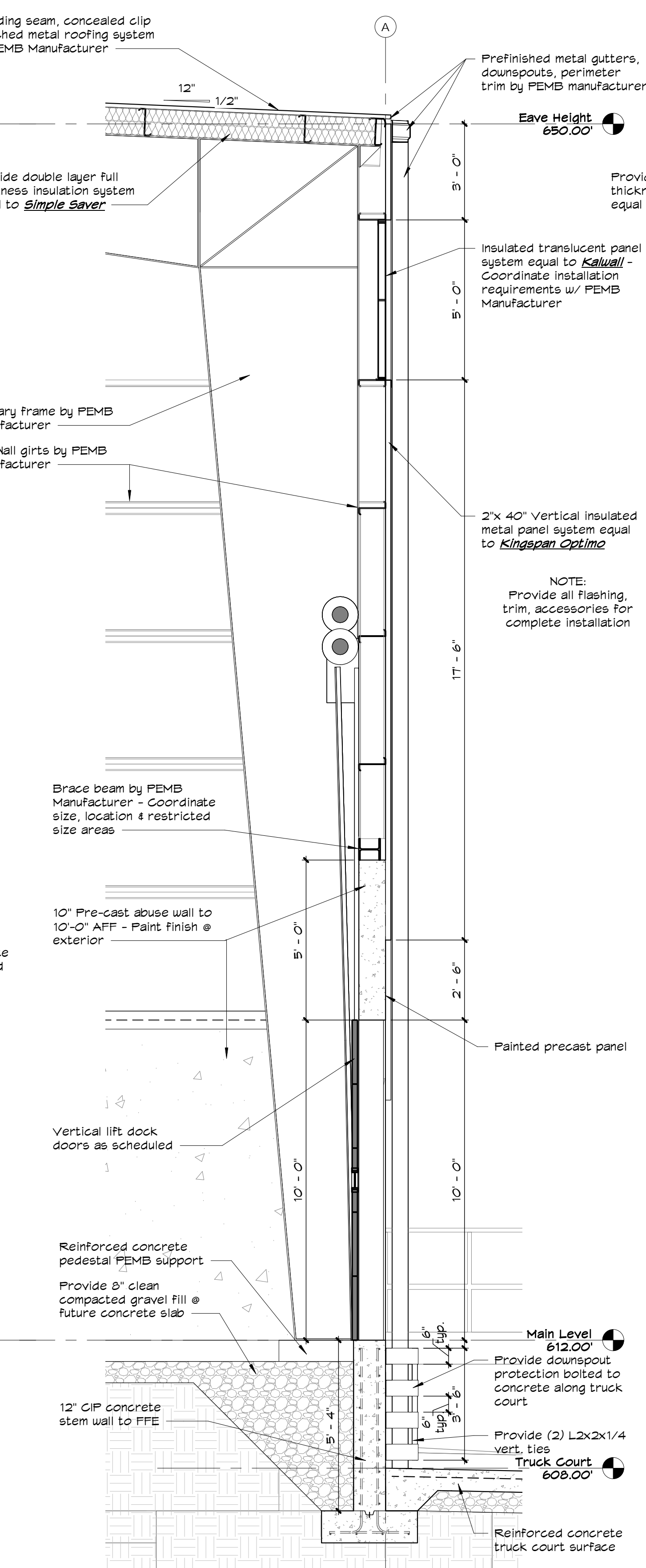
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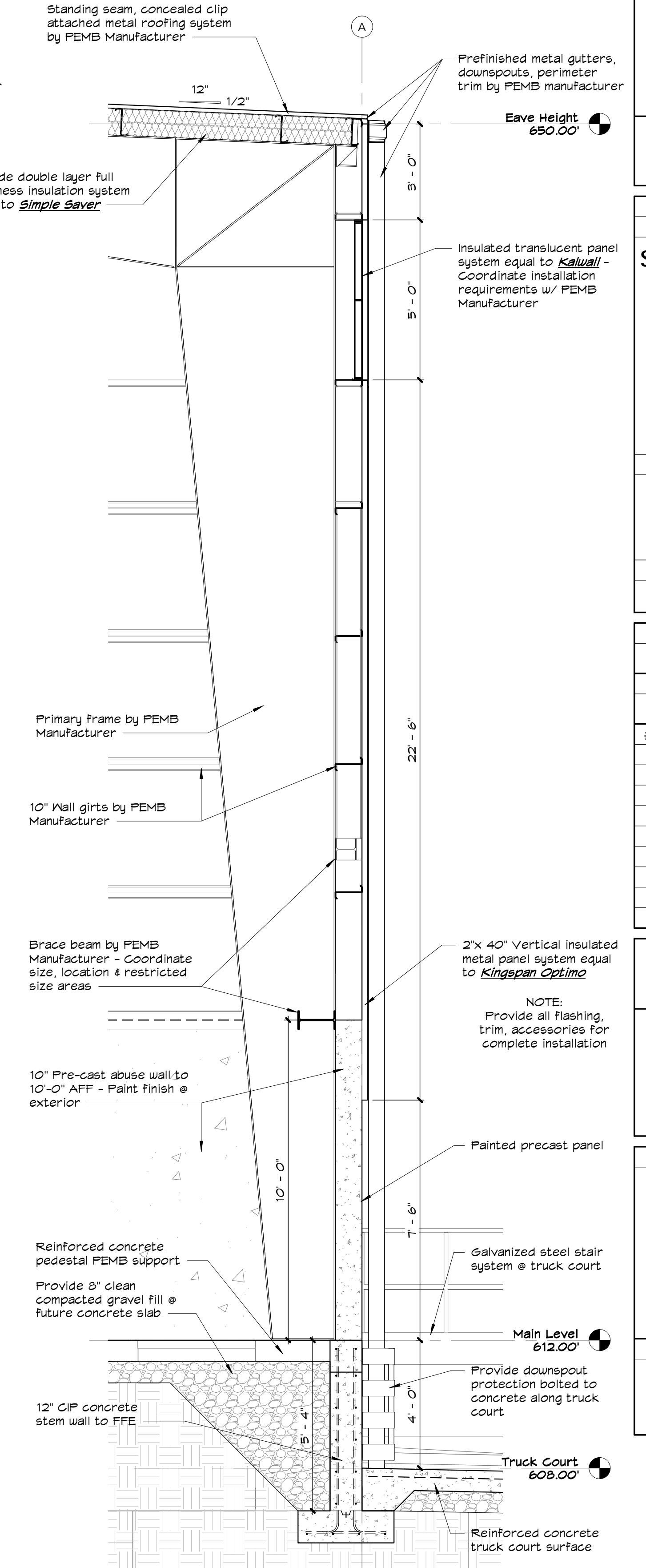
1 Wall Section
A 5.2 3/8" = 1'-0"



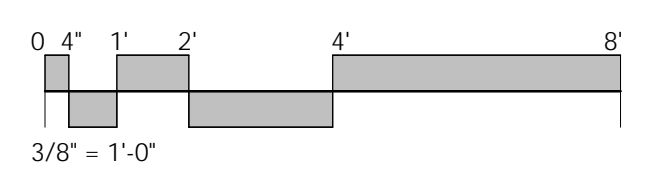
2 Wall Section
A 5.2 3/8" = 1'-0"



3 Wall Section
A 5.2 3/8" = 1'-0"



4 Wall Section
A 5.2 3/8" = 1'-0"





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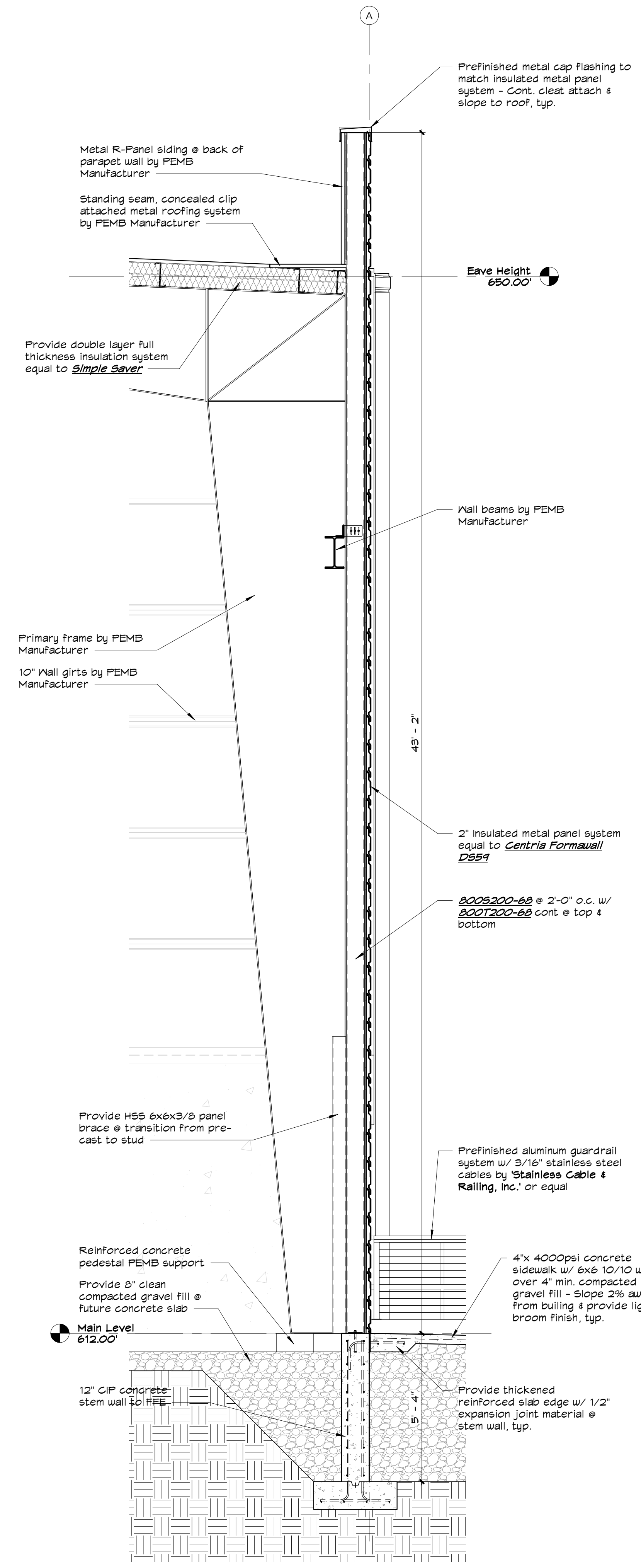
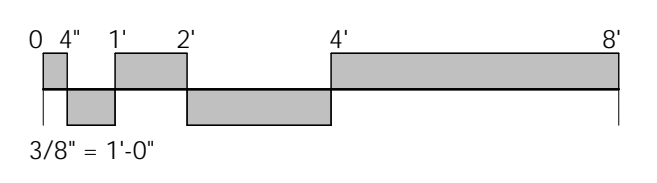
#	Revision Date:

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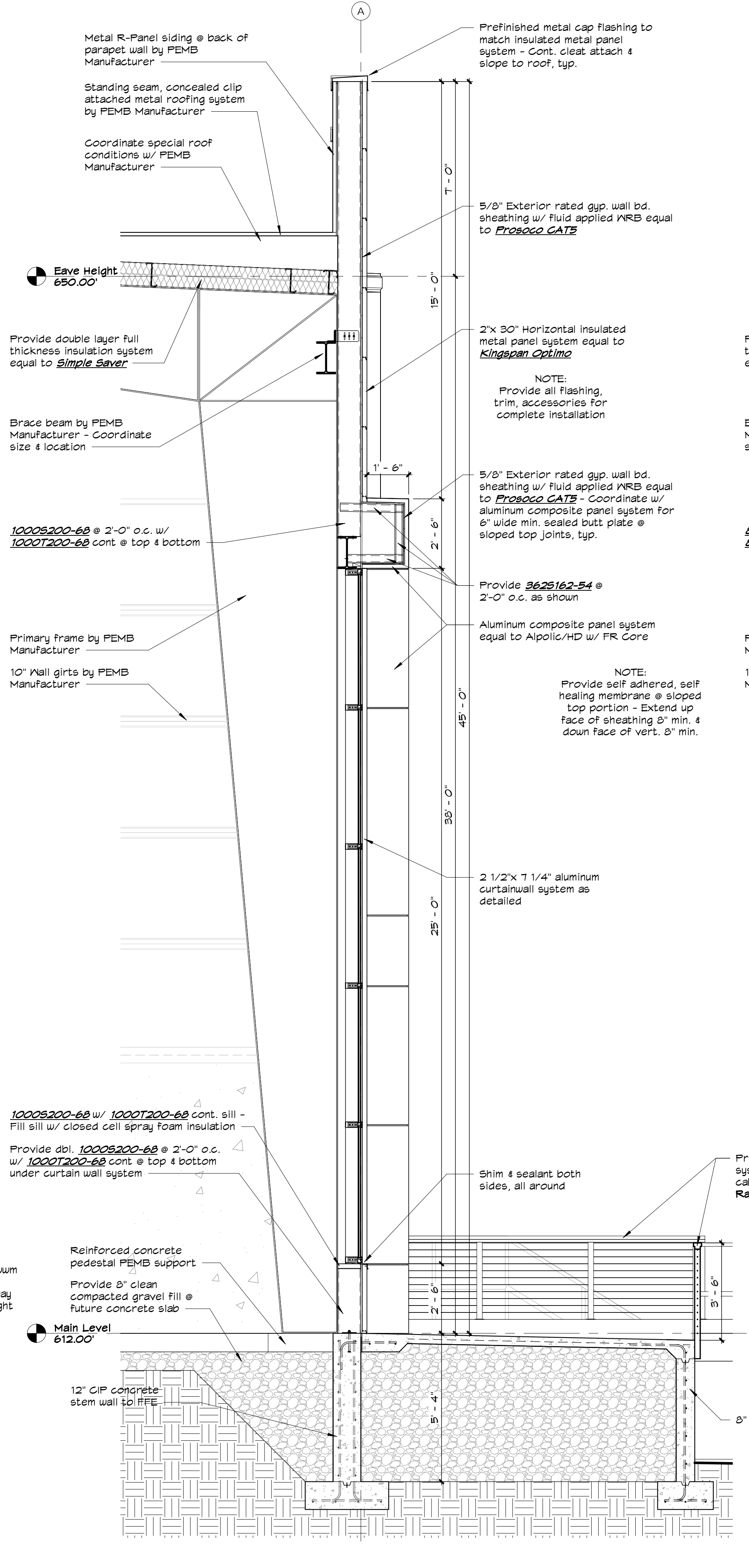
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Sheet Name
WALL SECTIONS

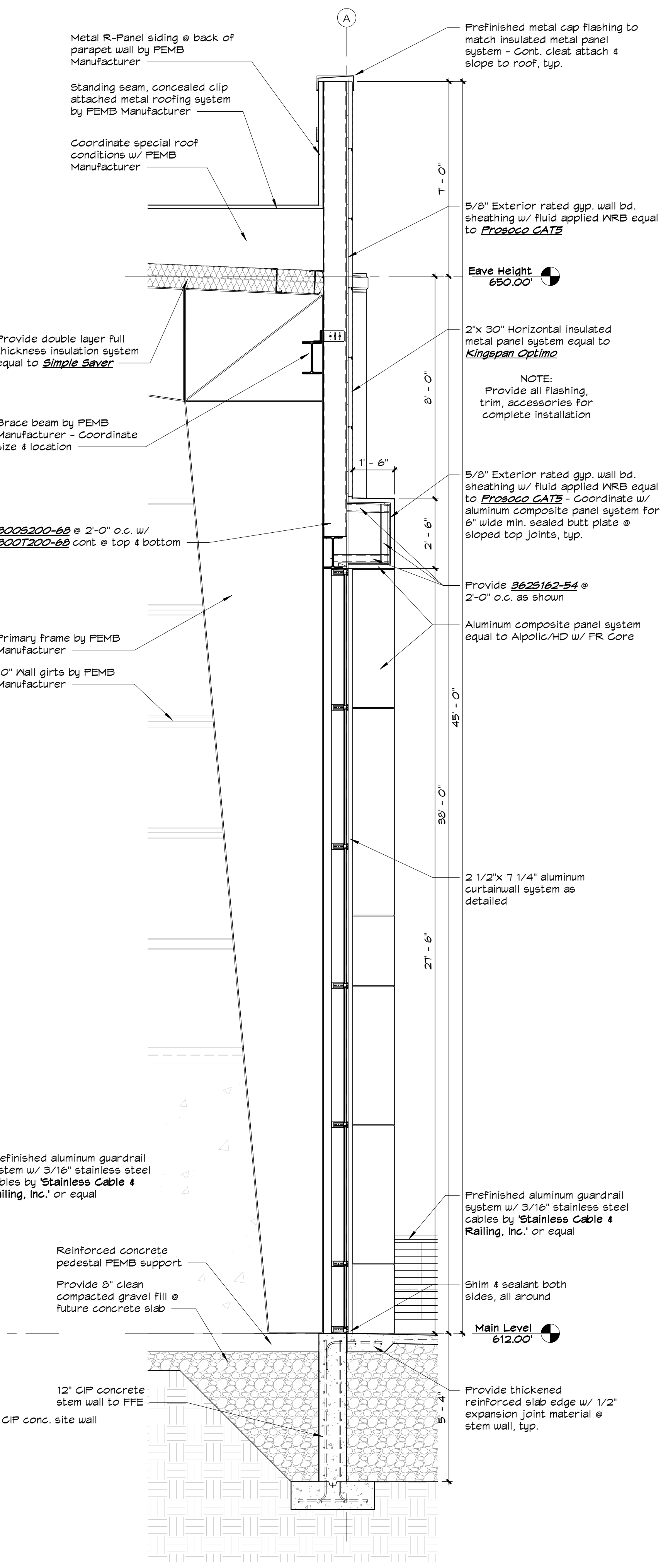
Sheet Number
A 5.3



1 Wall Section
A 5.3 3/8" = 1'-0"



2 Wall Section
A 5.3 3/8" = 1'-0"



3 Wall Section
A 5.3 3/8" = 1'-0"

NOTE:
Provide self adhered, self healing membrane @ sloped top portion - Extend up face of sheathing 8" min. & down face of vert. 8" min.



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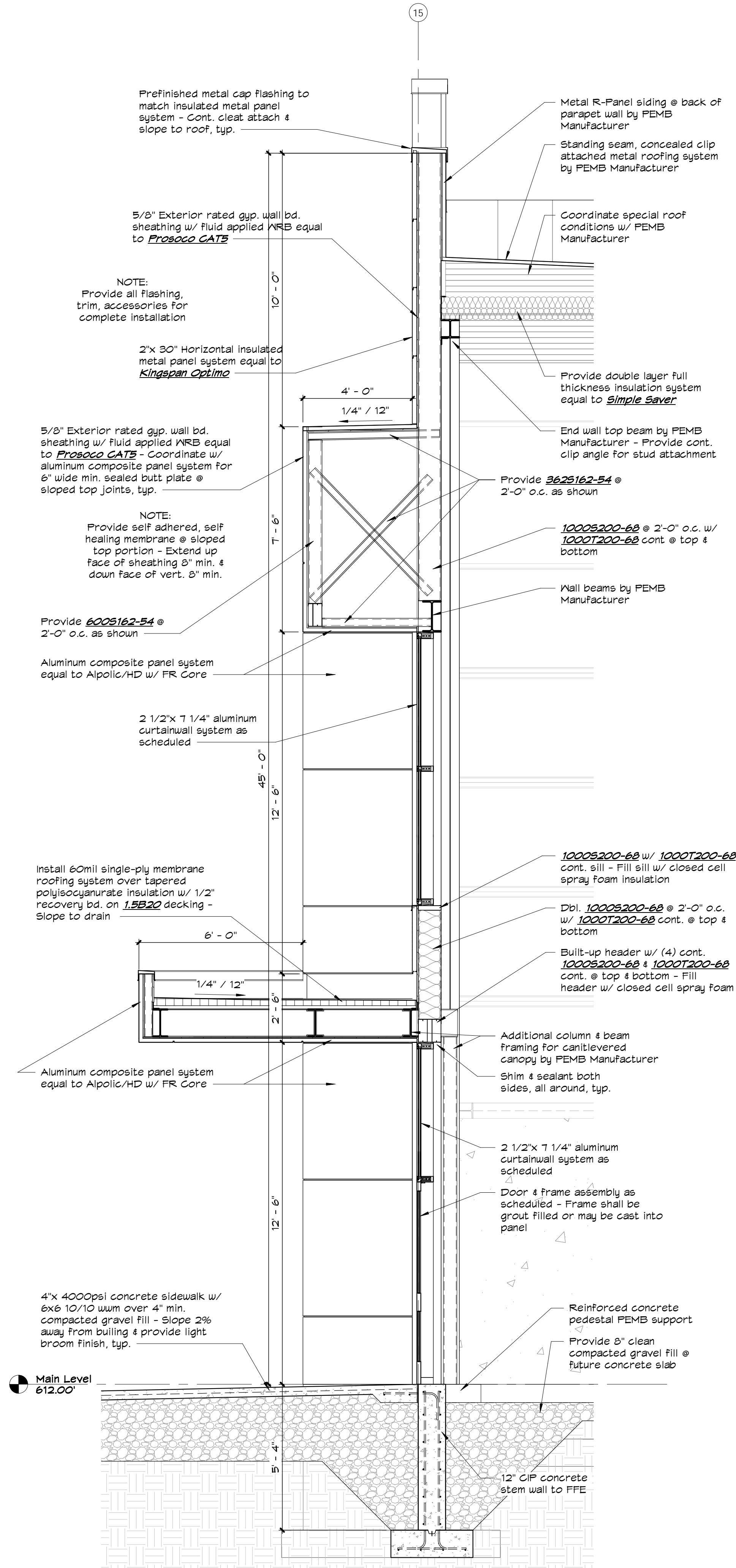
Revision Date:

Jonathan W. Clark, Architect

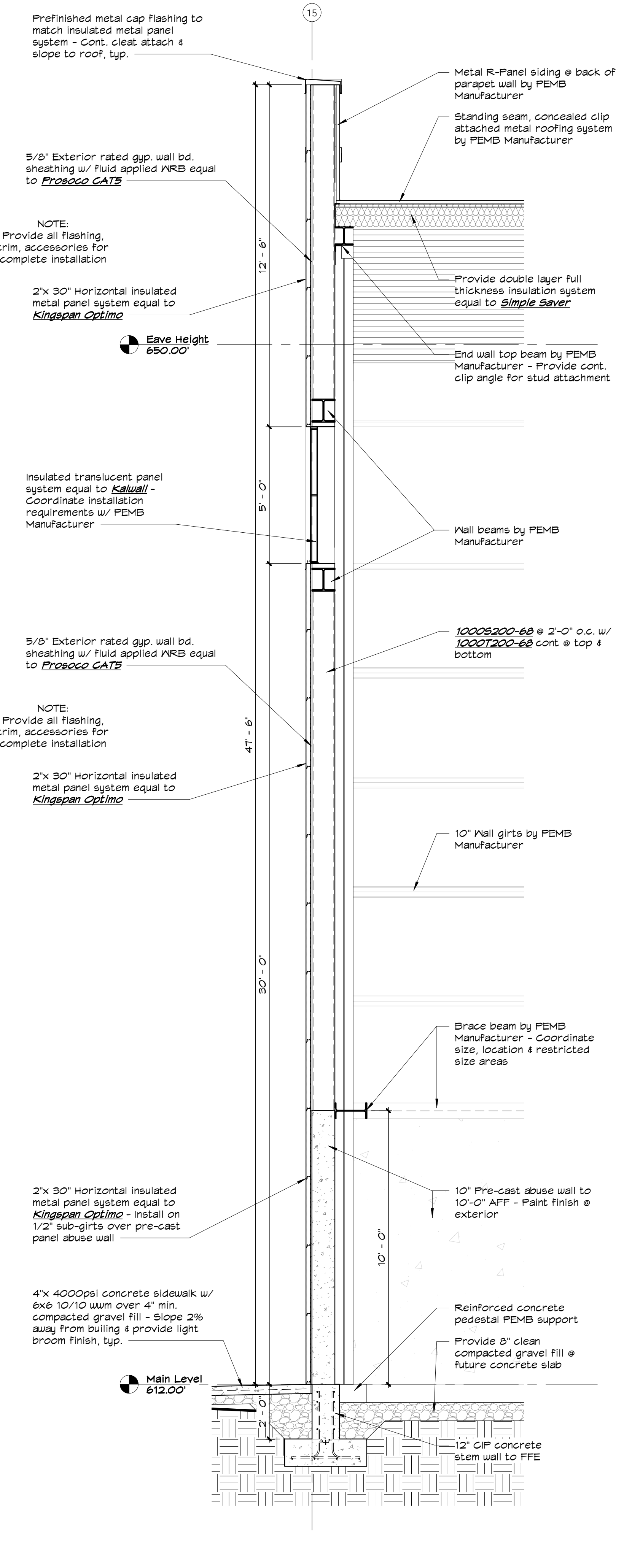
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Sheet Name
WALL SECTIONS

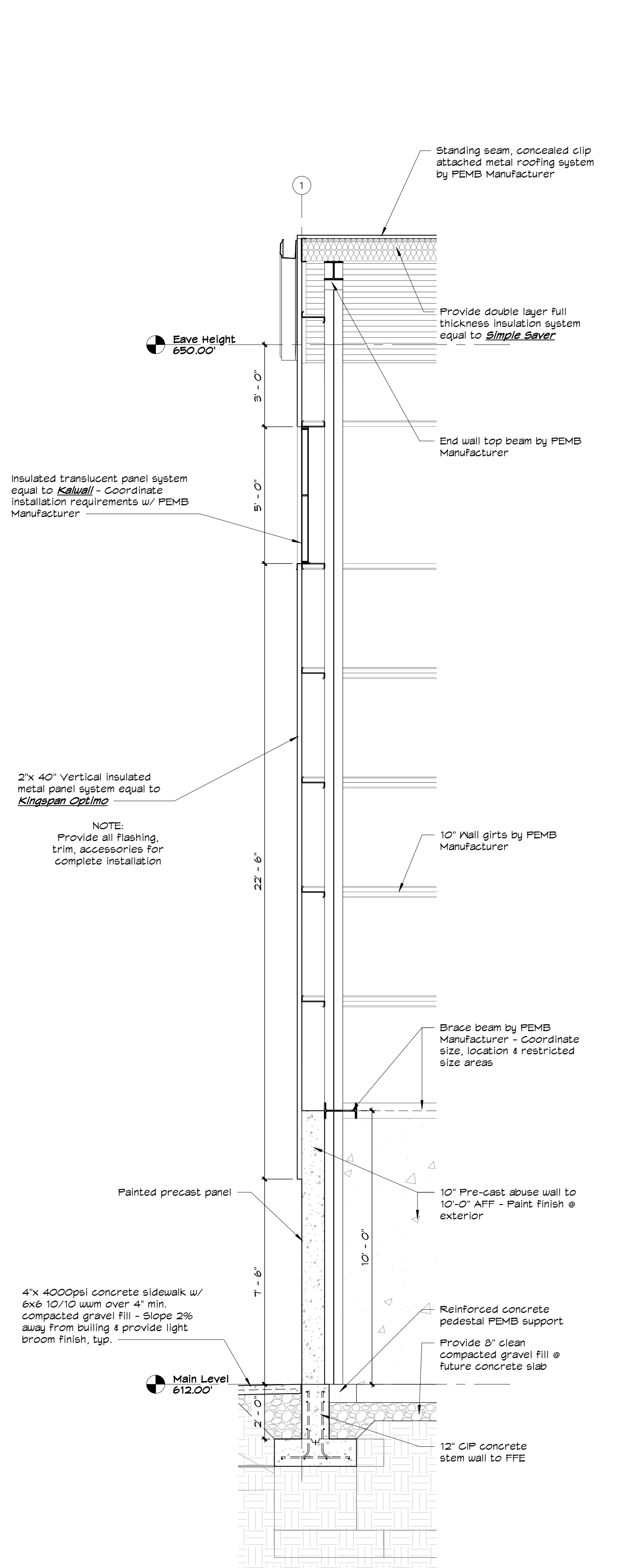
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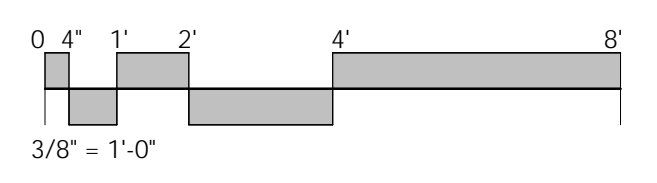
1 Wall Section
A 5.4 3/8" = 1'-0"

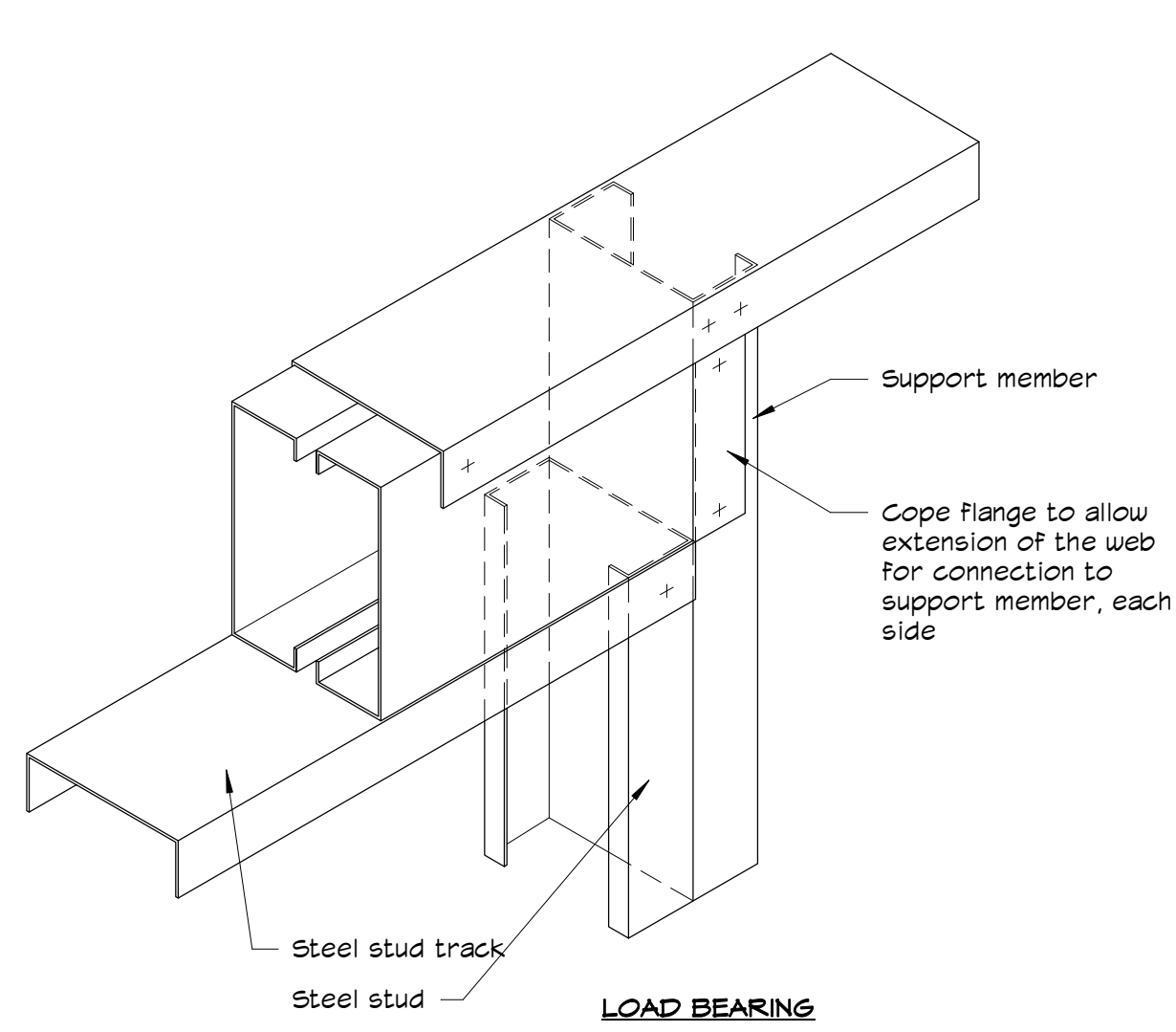


2 Wall Section
A 5.4 3/8" = 1'-0"

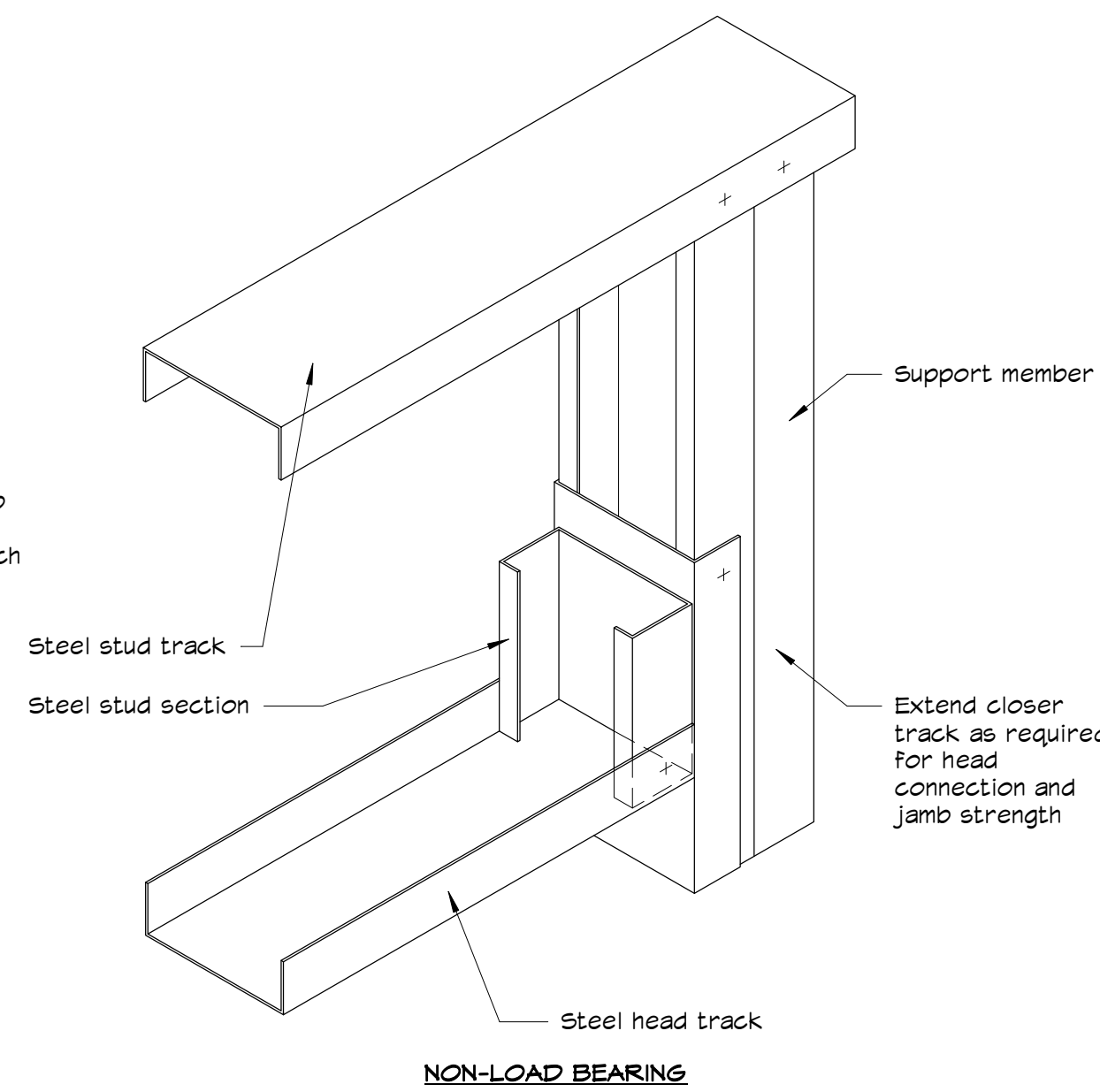


3 Wall Section
A 5.4 3/8" = 1'-0"

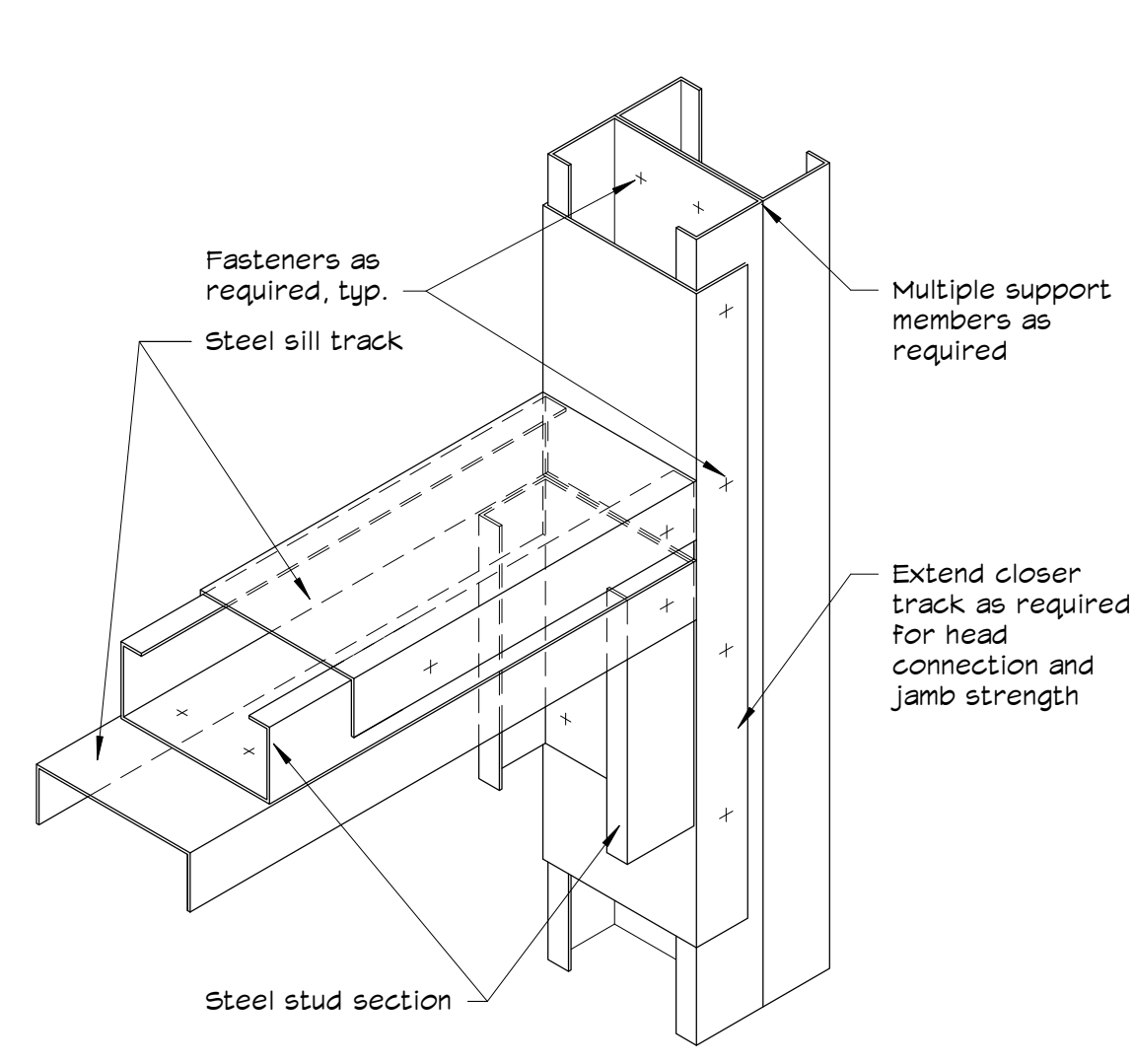




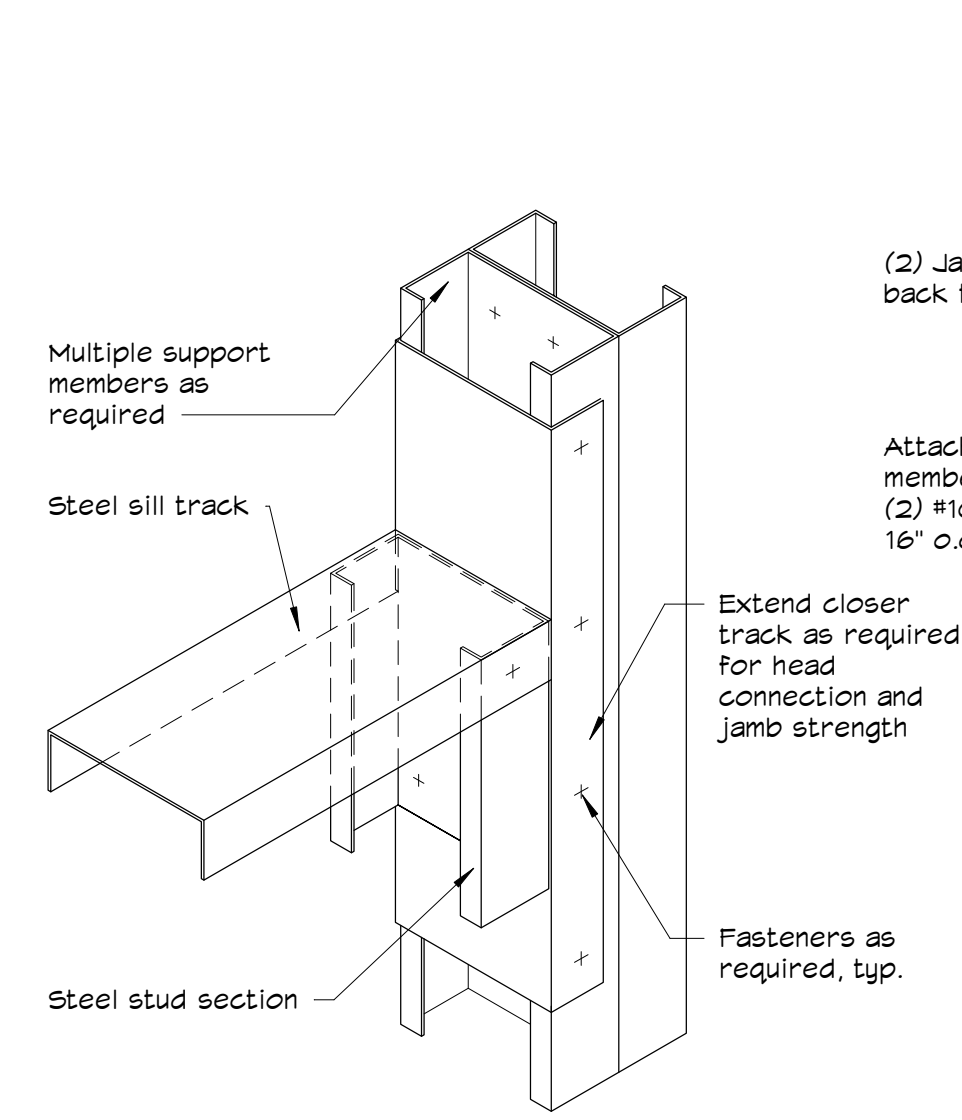
1 Typ Header Opening
A 9.1 Not to Scale



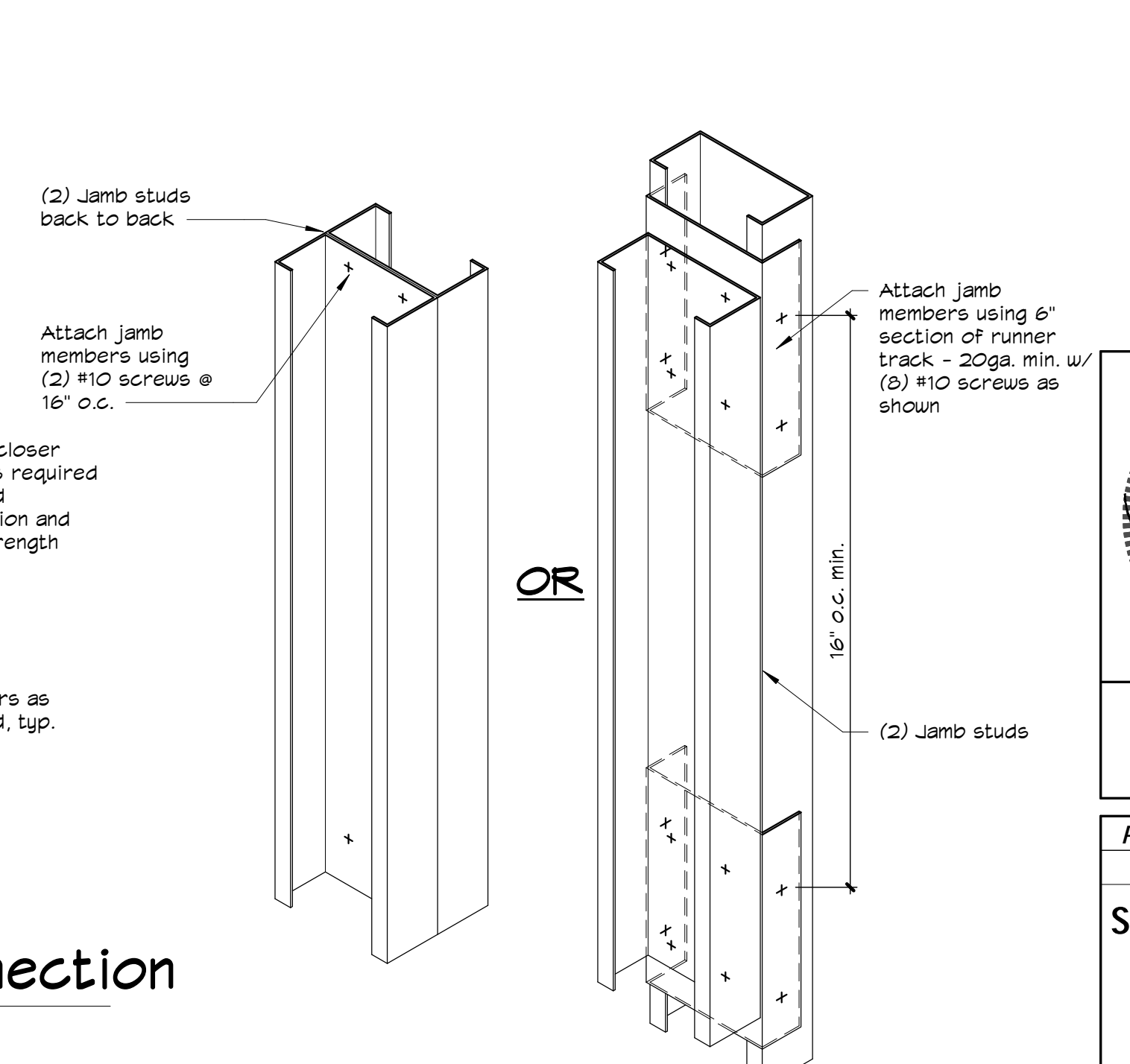
2 Typ Header Opening
A 9.1 Not to Scale



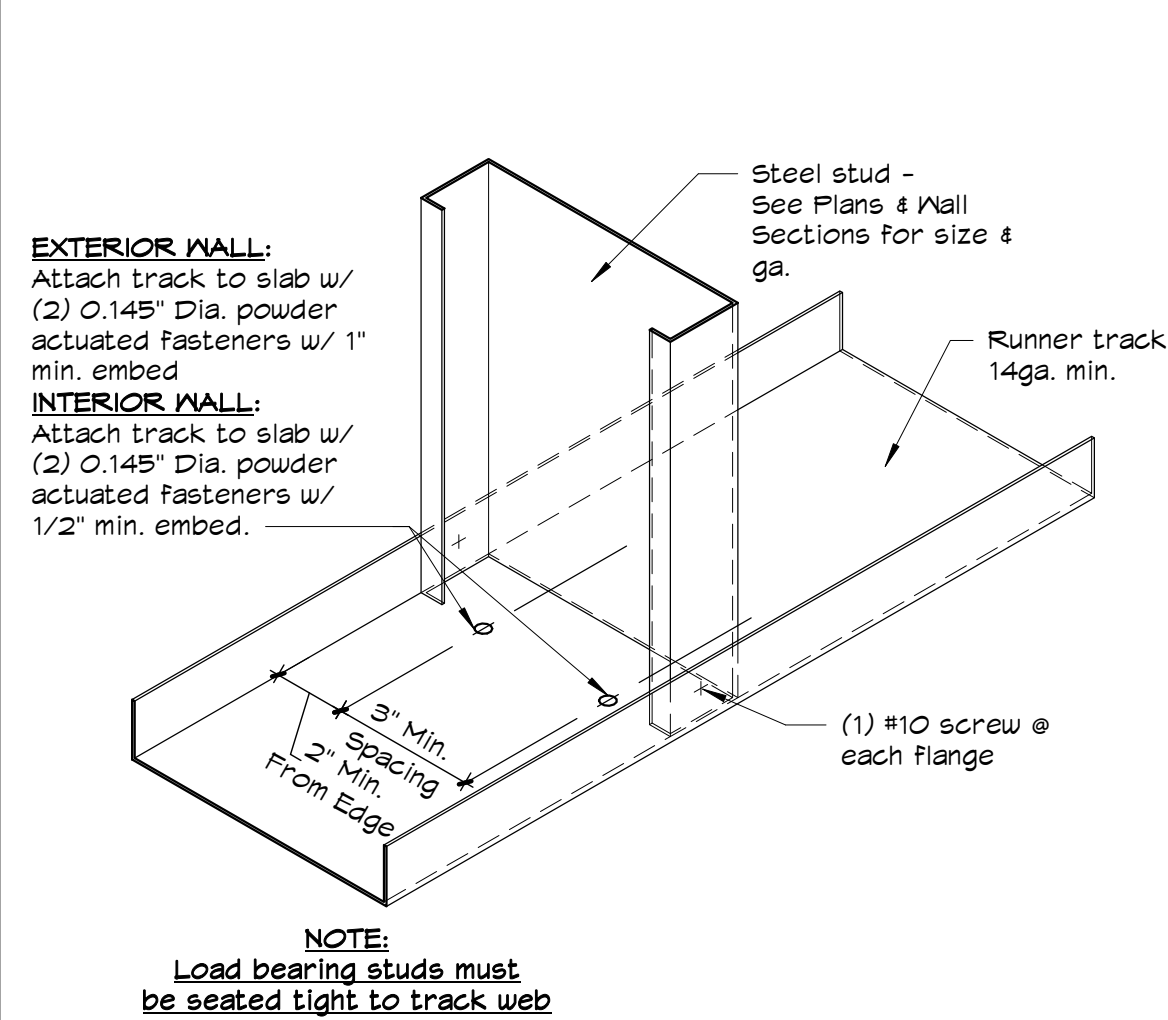
3 Long Span Sill Connection
A 9.1 Not to Scale



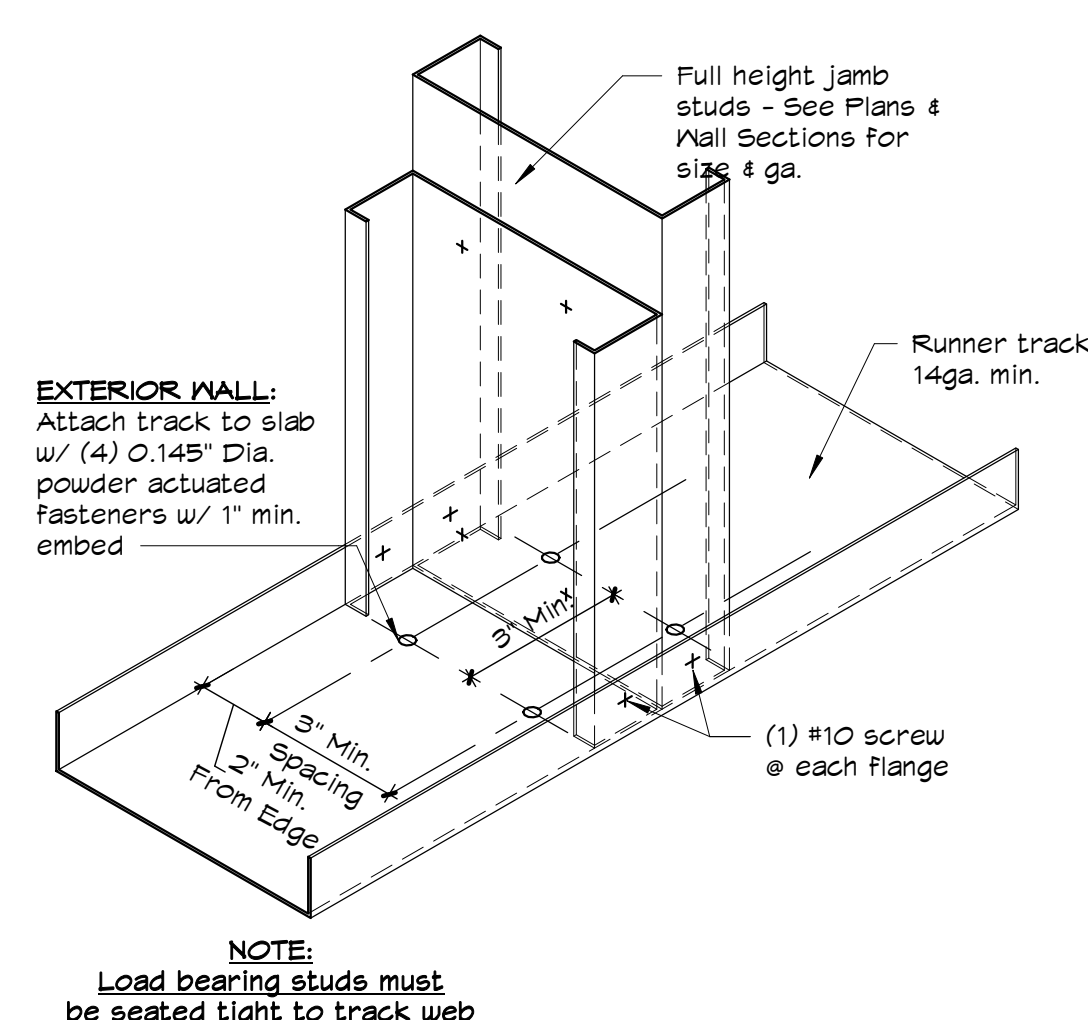
4 Short Span Sill Connection
A 9.1 Not to Scale



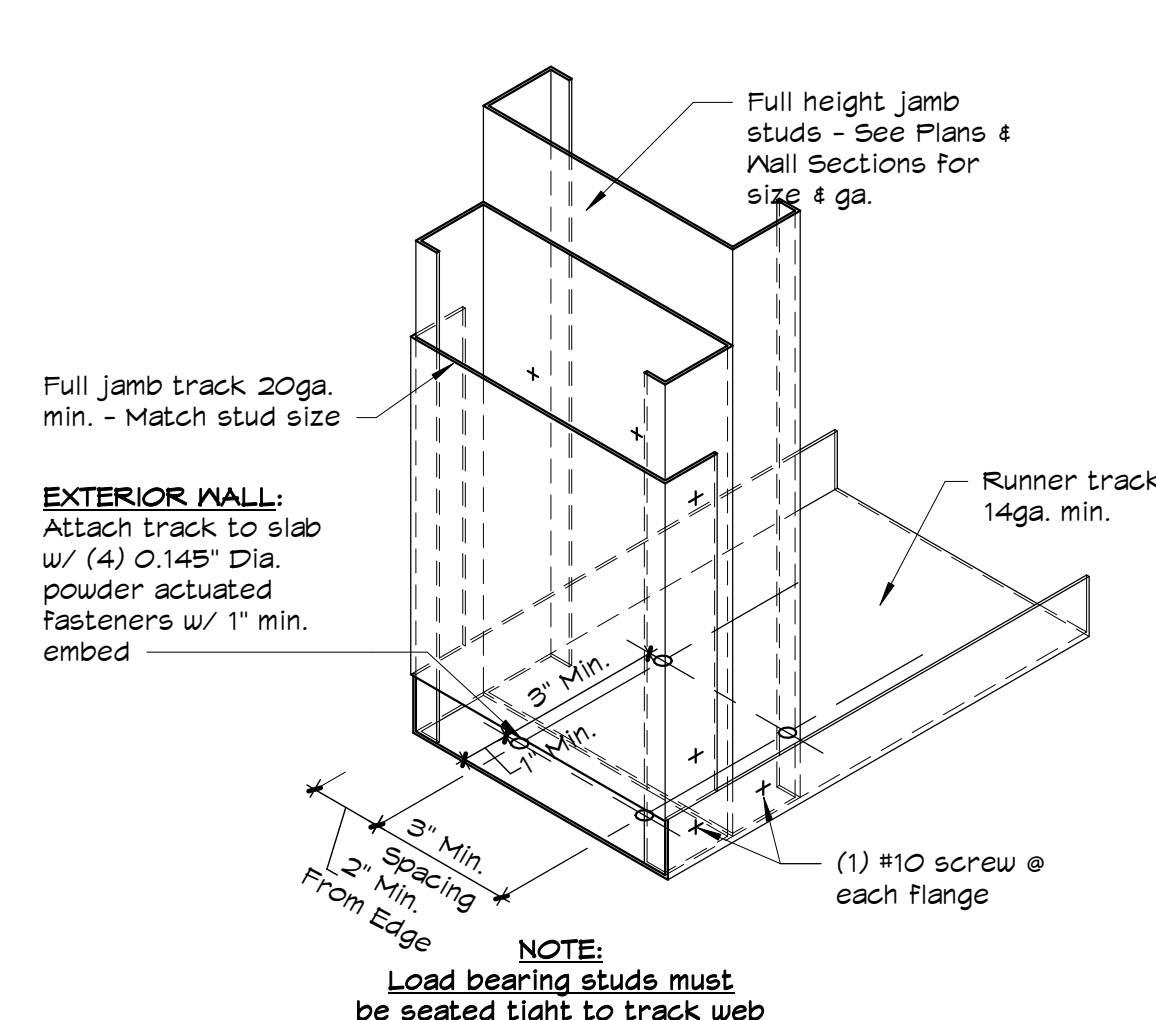
5 Tied Jamb Studs
A 9.1 Not to Scale



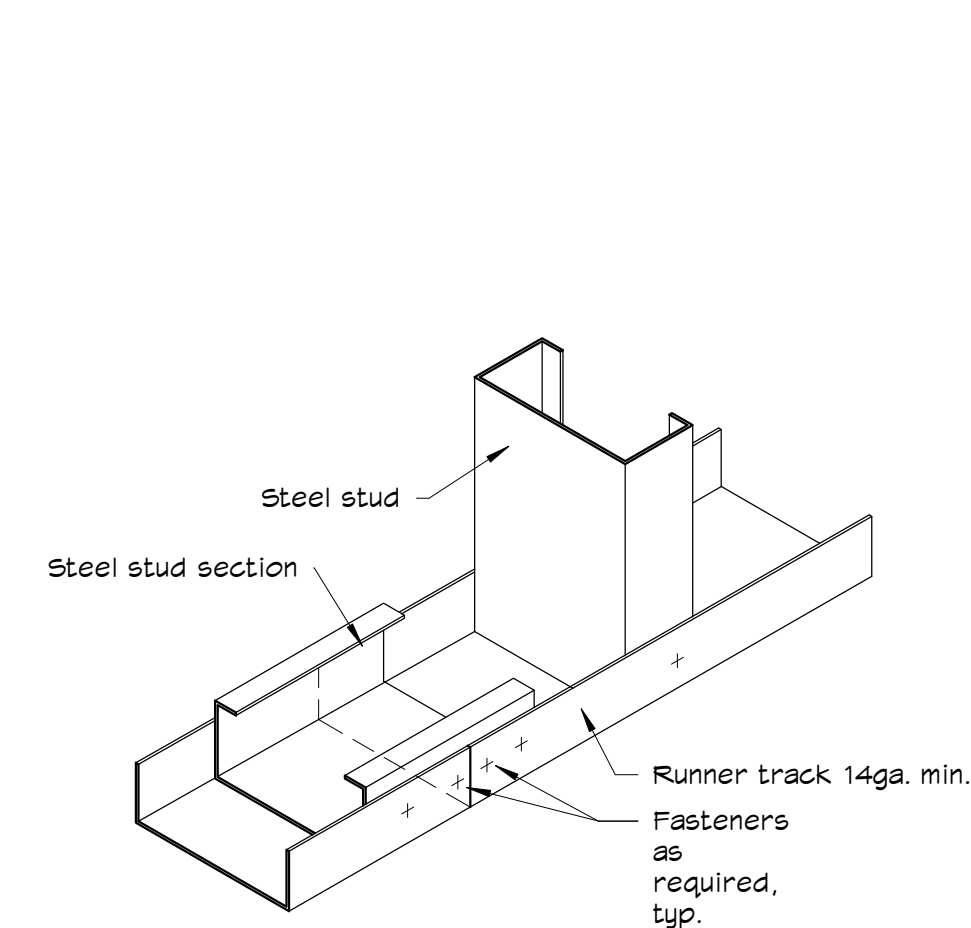
6 Stud to Track
A 9.1 Not to Scale



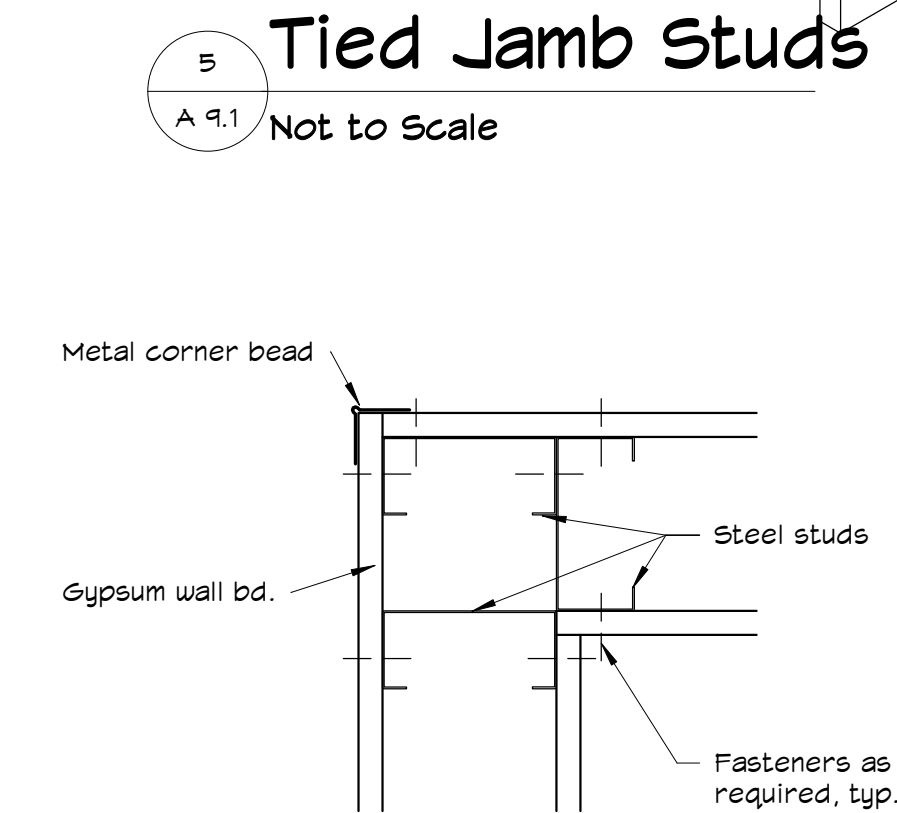
7 Window Jamb Anchorage
A 9.1 Not to Scale



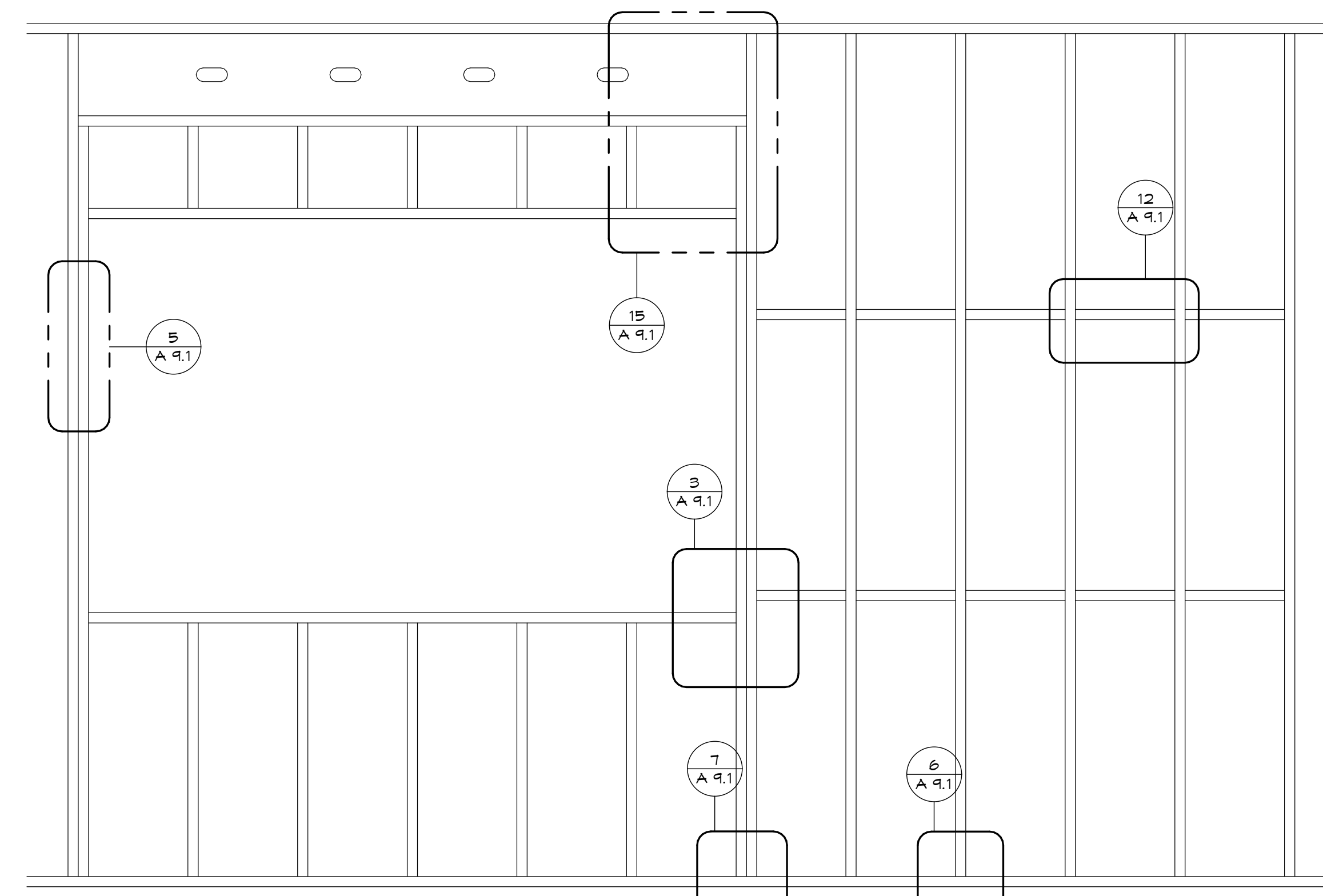
8 Door Jamb Anchorage
A 9.1 Not to Scale



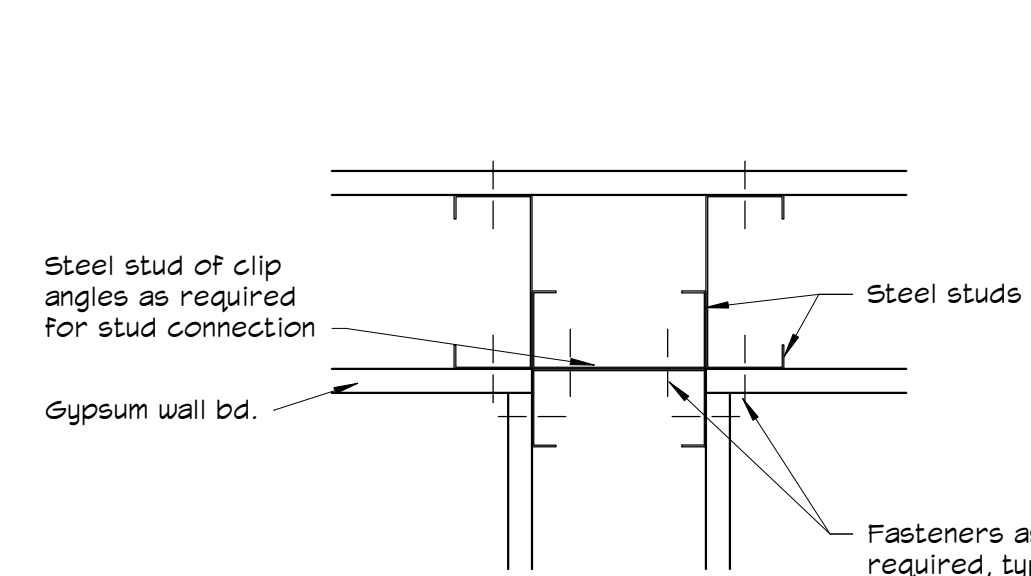
9 Track Splice
A 9.1 Not to Scale



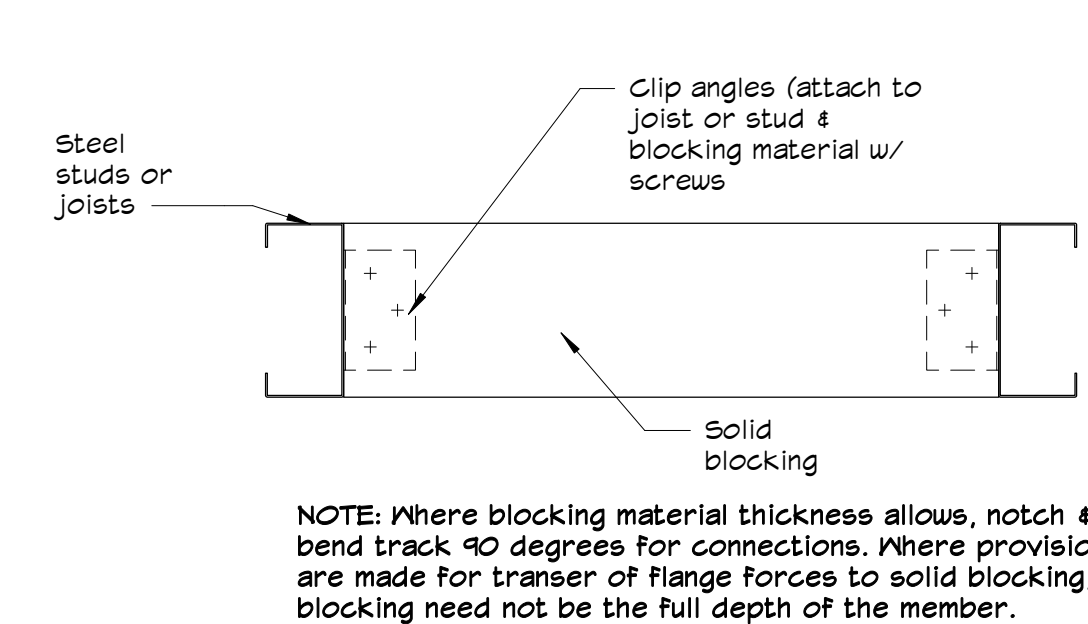
10 Corner Framing
A 9.1 Not to Scale



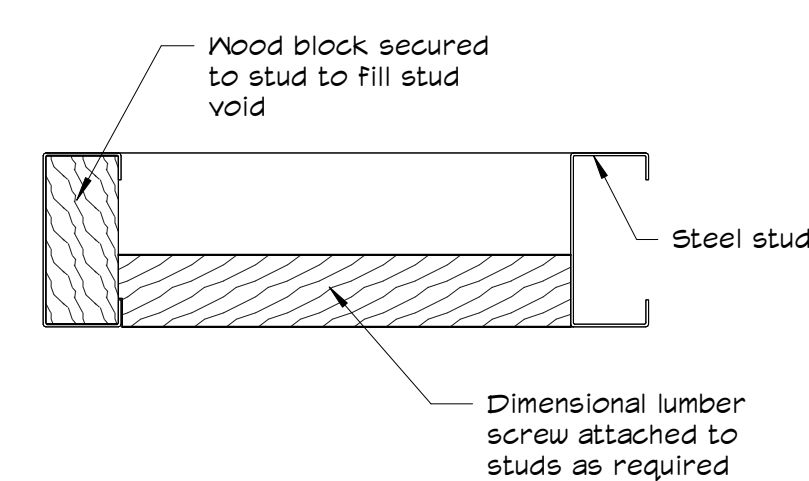
13 Load Bearing Wall Framing
A 9.1 Not to Scale



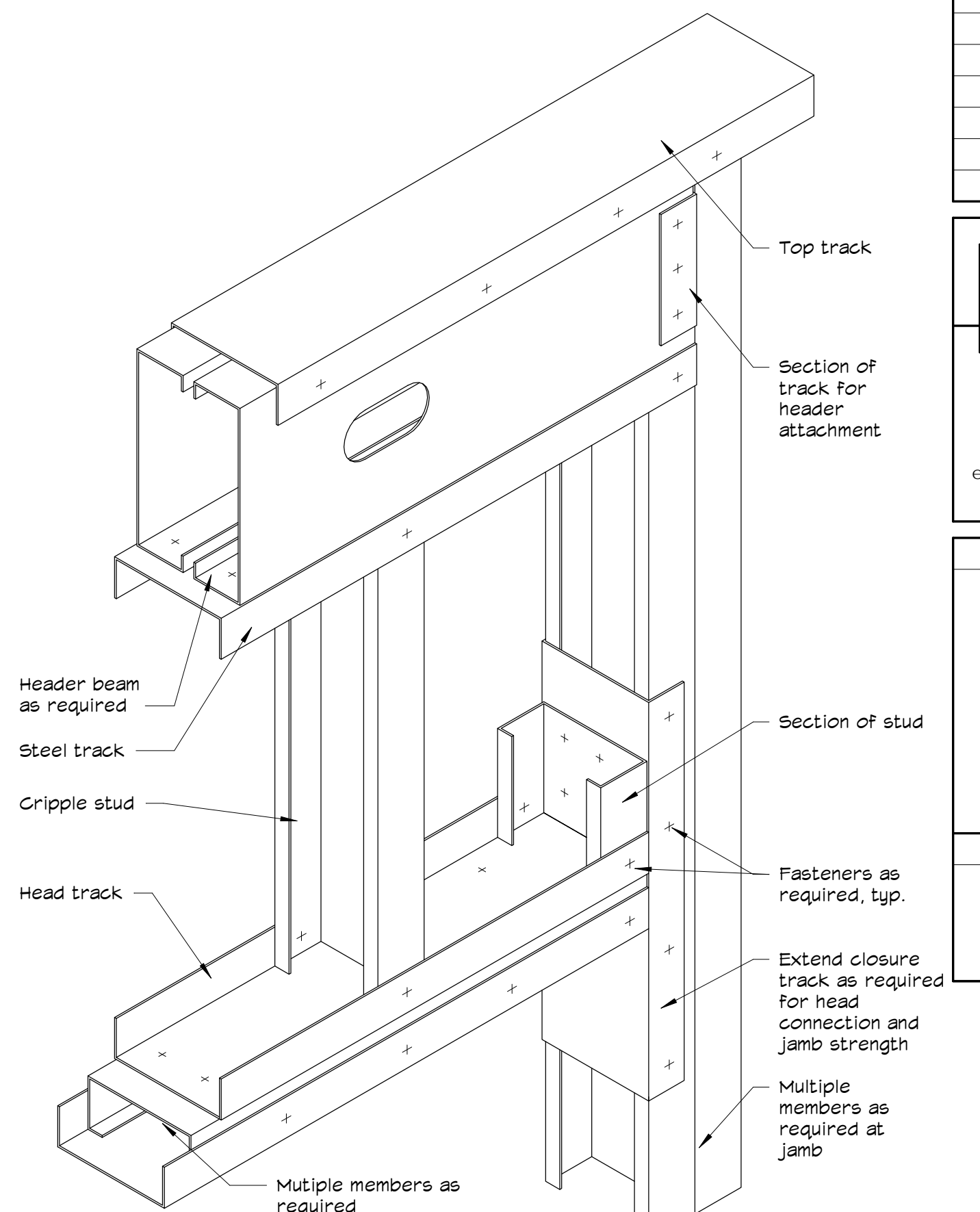
11 Wall Intersection Framing
A 9.1 Not to Scale



12 Solid Blocking
A 9.1 Not to Scale



14 Heavy Fixture Attachment
A 9.1 Not to Scale



15 Load Bearing Wall Opening
A 9.1 Not to Scale



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Lic. No.: 7243
Exp. - June 30, 2021

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Project Number:
20102

Drawn By:
WCE
Date:
8.10.2020

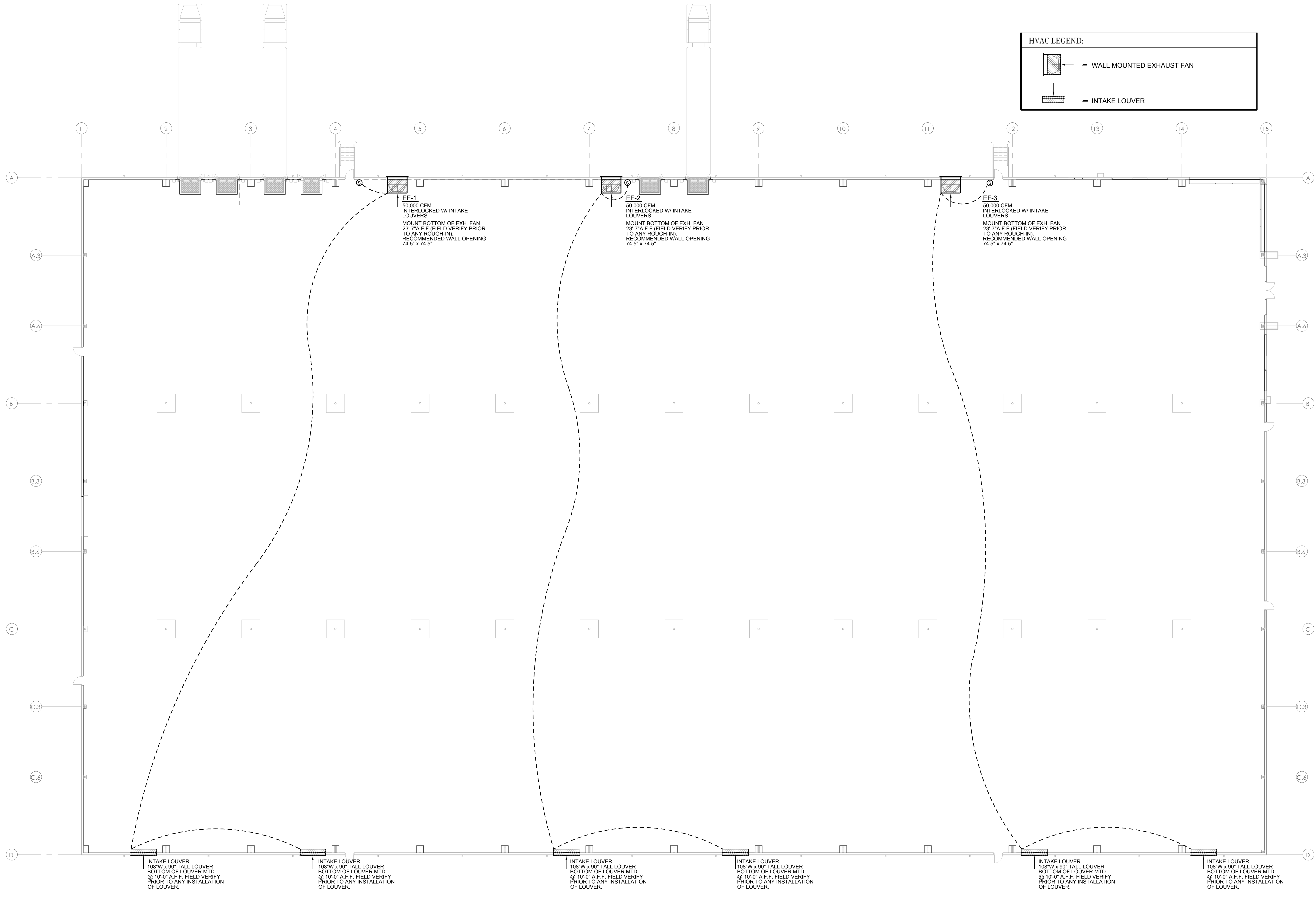
Revision Date:

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Sheet Name
TYPICAL STEEL STUD FRAMING DETAILS

Sheet Number
A 9.1



HVAC LEGEND:

- WALL MOUNTED EXHAUST FAN
- INTAKE LOUVER

EF-1
50,000 CFM
INTERLOCKED W/ INTAKE
LOUVERS
MOUNT BOTTOM OF EXH. FAN
23'-7" A.F.F. (FIELD VERIFY PRIOR
TO ANY ROUGH-IN).
RECOMMENDED WALL OPENING
74.5' x 74.5'

EF-2
50,000 CFM
INTERLOCKED W/ INTAKE
LOUVERS
MOUNT BOTTOM OF EXH. FAN
23'-7" A.F.F. (FIELD VERIFY PRIOR
TO ANY ROUGH-IN).
RECOMMENDED WALL OPENING
74.5' x 74.5'

EF-3
50,000 CFM
INTERLOCKED W/ INTAKE
LOUVERS
MOUNT BOTTOM OF EXH. FAN
23'-7" A.F.F. (FIELD VERIFY PRIOR
TO ANY ROUGH-IN).
RECOMMENDED WALL OPENING
74.5' x 74.5'

INTAKE LOUVER
18"W x 90" TALL LOUVER
BOTTOM OF LOUVER MTD.
@ 10'-0" A.F.F. FIELD VERIFY
PRIOR TO ANY INSTALLATION
OF LOUVER.

INTAKE LOUVER
18"W x 90" TALL LOUVER
BOTTOM OF LOUVER MTD.
@ 10'-0" A.F.F. FIELD VERIFY
PRIOR TO ANY INSTALLATION
OF LOUVER.

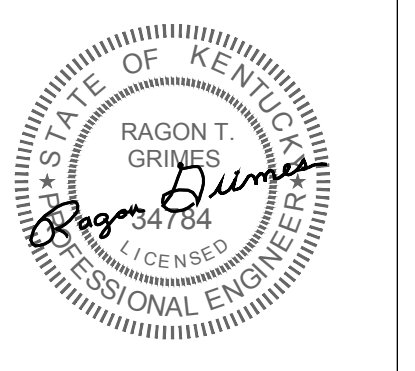
INTAKE LOUVER
18"W x 90" TALL LOUVER
BOTTOM OF LOUVER MTD.
@ 10'-0" A.F.F. FIELD VERIFY
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BOTTOM OF LOUVER MTD.
@ 10'-0" A.F.F. FIELD VERIFY
PRIOR TO ANY INSTALLATION
OF LOUVER.

1
M.1.1
HVAC Floor Plan
SCALE: 1/16" = 1'-0"



PROJECT INFORMATION:
Project Name:

**Speculative
Shell Building**

Project Address:
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Project Number:
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Drawn By:
MAW
Date:
8.10.2020

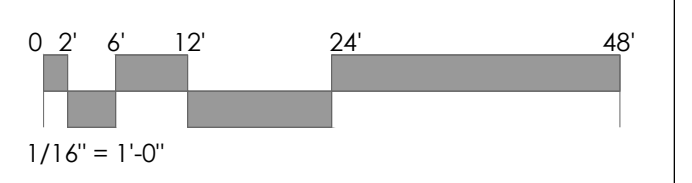
#	Revision Date:

**Jonathan W. Clark
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Sheet Name
**HVAC FLOOR
PLAN**

Sheet Number
M1.1



ROOM	FLOOR AREA (SQ. FT.) (2)	AREA OUTDOOR AIRFLOW RATE (CFM/SQ. FT.)	FLOOR AREA OUTDOOR AIR (CFM)	# OF OCCUPANTS	PEOPLE OUTDOOR AIRFLOW RATE (CFM/PERSON)	PEOPLE OUTDOOR AIR (CFM)	OUTDOOR AIR REQ. (CFM)	OUTDOOR AIR PROVIDED (CFM)	EXHAUST REQ. (CFM)	EXHAUST PROVIDED (CFM)
WAREHOUSE	100800	0.06	6048	0	0	0	6048	150000	0	150000

(1) VENTILATION RATE PROCEDURE AS DESCRIBED IN ASHRAE 62.1-2013 § 2
(2) AREA VALUES ARE FOR VENTILATION CALCULATIONS ONLY AND ARE NOT TO BE UTILIZED FOR OTHER PURPOSES

EXHAUST FAN SCHEDULE				
TAG		EF-1	EF-2	EF-3
AREA SERVED		WAREHOUSE	WAREHOUSE	WAREHOUSE
MANUFACTURER		GREENHECK	GREENHECK	GREENHECK
MODEL		SBE-3L72-75	SBE-3L72-75	SBE-3L72-75
TYPE		WALL-MTD	WALL-MTD	WALL-MTD
APPROX. OPERATING WEIGHT	LBS.	2050	2050	2050
OPENING SIZE	IN.	84.75 SQ.	84.75 SQ.	84.75 SQ.
DAMPER SIZE	IN.	74x74	74x74	74x74
PERFORMANCE INFORMATION				
AIRFLOW	CFM	50,000	50,000	50,000
EXTERNAL STATIC PRESSURE	IN. W.G.	0.1	0.1	0.1
MOTOR SIZE	HP	5	5	5
MOTOR ENCLOSURE		TEFC	TEFC	TEFC
SONES		25	25	25
ELECTRICAL INFORMATION				
POWER SUPPLY	V/ØHz	208 / 3 / 60	208 / 3 / 60	208 / 3 / 60
	FLA	17	17	17
		ALL	ALL	ALL

SEQUENCE OF OPERATIONS
FOR ALL "EF" EXHAUST FANS AND ASSOC. LOUVERS:
EACH EXHAUST FAN SHALL BE CONTROLLED BY SWITCH. FANS TO BE INTERLOCKED WITH OPERABLE INTAKE LOUVERS AS SHOWN. FANS TO BE PROVIDED WITH GREENHECK MSEM STARTERS OR EQUIVALENT AND 120VAC DAMPER RELAYS AS REQUIRED TO LINK FAN WITH LOUVERS. LOUVERS TO BE PROVIDED WITH 120VAC ACTUATORS AND ALL REQUIRED RELAYS, WIRING, ETC.

LOUVER SCHEDULE
LOUVERS BASED ON GREENHECK MODEL EAD-635.
SEE DRAWINGS FOR EXACT LOUVER SIZES. LOUVERS TO BE 6" THICK. NOMINAL WALL THICKNESS OF 0.125" EXT. ALUMINUM. LOUVERS TO BE PROVIDED WITH 70% KYNAR/100% FLUOROPOLYMER PAINT COATING. COLOR BY ARCHITECT.
MAXIMUM PRESSURE DROP OF 0.05 IN. W.G. UNLESS OTHERWISE NOTED.
ALL LOUVERS TO BE PROVIDED WITH GRAVITY BACKDRAFT DAMPERS AND INSECT SCREENS.

- NOTES / ACCESSORIES**
1. WIRING PIGTAIL
 2. NEMA-1 TOGGLE DISCONNECT SWITCH
 3. FAN AND ACCESSORIES PROVIDED WITH HD-PRO POLYESTER COATING. COLOR BY ARCHITECT.
 4. VFD-4-PS DAMPER WITH ACTUATOR, 208VAC ACTUATED W/ 115VAC TRANSFORMER
 5. MOTORS MOUNTED ON VIBRATION ISOLATORS
 6. CONTROLLED BY WALL SWITCH
 7. LONG-WALL HOUSING
 8. PROVIDE BIRDSCREEN OVER FAN DISCHARGE

HVAC GENERAL NOTES:

1. CONTRACTOR SHALL FIELD VERIFY AND COORDINATE ALL MECHANICAL DUCT ROUTING, PIPING, ETC. WITH EXISTING LOCATIONS OF STRUCTURAL COMPONENTS, LIGHTING, SUPPORTS, ARCHITECTURAL COMPONENTS, ETC.
2. CONTRACTOR SHALL COORDINATE MECHANICAL WORK WITH OTHER TRADES. CONTRACTOR SHALL PERFORM WORK IN STRICT ACCORDANCE PER LOCAL, INTERNATIONAL OR OTHER GOVERNING CODES.
3. CONTRACTOR SHALL SIZE CONDENSATE DRAINS PER MANUFACTURER'S RECOMMENDATIONS. COMBINE CONDENSATE DRAINS AS NECESSARY. PROVIDE CONDENSATE PUMPS WITH ASSOCIATED POWER WHERE NECESSARY. ROUTE INDOOR UNIT CONDENSATE DRAINS TO NEAREST FLOOR DRAIN OR MOP SINK.
4. CONTRACTOR SHALL COORDINATE WITH OTHER TRADES ANY CHANGE OF EQUIPMENT DEVIATING FROM THE PROVIDED SCHEDULES IN THE CONTRACT DOCUMENTS.
5. PROVIDE ACCESS PANELS IN DRYWALL/PLASTER CEILINGS FOR MAINTENANCE OF EQUIPMENT LOCATED ABOVE CEILING. REFER TO MANUFACTURER'S EQUIPMENT ACCESS TO LOCATE PANELS.
6. CONTRACTOR SHALL AVOID ROUTING DUCTWORK OVER LIGHTING FIXTURES WHERE SPACE IS LIMITED ABOVE CEILING.
7. CONTRACTOR SHALL MOUNT ALL THERMOSTATS 48" A.F.F.
8. LOCKABLE PROTECTIVE PLASTIC THERMOSTAT COVERS SHALL NOT EXCEED MORE THAN 2" AROUND THERMOSTAT SIZE.
9. CONTROL WIRING SERVING WALL MOUNTED THERMOSTATS, CO2 SENSORS, ETC. SHALL BE CONCEALED IN WALLS.
10. CONTRACTOR SHALL PROVIDE SMOKE DAMPERS AT ANY LOCATION WHERE DUCTWORK PENETRATES A SMOKE WALL. REFER TO ELECTRICAL DRAWINGS FOR POWER AND FIRE ALARM CONNECTION DETAILS.
11. SLEEVE ALL DUCTWORK AND HVAC PIPING PENETRATIONS. PROVIDE FIRE CAULK AT RATED WALLS FOR PIPING PENETRATIONS.
12. EQUIP. CURBS SHALL BE SLOPED AS REQUIRED TO MATCH ROOF PITCH. REFER TO ARCHITECTURAL DRAWINGS.
13. PROVIDE TURNING VANES IN ALL 90° RECTANGULAR DUCTWORK BENDS.
14. THESE PLANS ARE SCHEMATIC IN NATURE & INDICATES THE APPROX. & GEN. LOCATION OF DUCTWORK, EQUIPMENT & PIPING.
15. SEAL ALL TRANSVERSE DUCT JOINTS W/ AN APPROVED DUCT SEALER TO INSURE THAT THE SUM OF DIFF. OUTLETS/INLETS ARE WITHIN 10% OF THE DESIGN AIRFLOW.
16. CONTRACTOR SHALL FLASH AND SEAL ALL ROOF AND WALL PENETRATIONS.
17. THE CONTR. SHALL BE RESPONSIBLE FOR THE COMPLETE & PROPER INSTALLATION OF THERMOSTATS AND ALL OTHER NECESSARY FIELD MOUNTED CONTROL COMPONENTS. THE HVAC EQUIPMENT MANUF. SHALL FURNISH COMPLETE WIRING DIAGRAMS TO THE INSTALLER FOR USE IN WIRING CONTROLS. ALL CONTROL WIRING SHALL BE IN CONDUIT & INSTALLED IN STRICT ACCORDANCE W/ THE LATEST EDITION OF THE N.E.C. (NATIONAL ELECTRIC CODE).
18. PROVIDE 1" MIN. OR SAME SIZE AS UNIT CONN. COND. DRAIN FROM EACH UNIT TRAPPED TO MAINTAIN A WATER SEAL 1" GREATER THAN THE FAN TOTAL STATIC PRESSURE.
19. PROVIDE FLEXIBLE CONN. BETWEEN HVAC UNITS & SHEET METAL DUCTWORK.
20. ALL PIPE AND DUCT SUPPORTS & RESTRAINTS SHALL BE DESIGNED FOR SEISMIC CATEGORY FOR BUILDING LOCATION AS SHOWN IN SEISMIC CRITERIA ON PLANS. INSTALL SUPPORTS & RESTRAINTS IN ACCORDANCE WITH ASHRAE SEISMIC DESIGN GUIDELINES.
21. INSTALL ALL EQUIP. AS PER MFR'S, RECOMMENDATIONS UNLESS NOTED OTHERWISE.
22. FAN COIL UNITS, VENT FANS, HEAT PUMP UNITS, ETC. SHALL BE INSTALLED IN SUCH A MANNER THAT ALL FILTERS, VALVES, MOTORS, PANELS ETC. ARE COMPLETELY ACCESSIBLE AND SERVICEABLE. PROVIDE ELECTRICAL SERVICE CLEARANCES IN ACCORDANCE WITH THE LATEST EDITION OF THE N.E.C.
23. MAINTAIN MANUFACTURER'S RECOMMENDED CLEARANCES ON ALL EQUIP.
24. CONTRACTOR SHALL PROVIDE FIRE DAMPERS PER LOCAL AND GOVERNING CODES, AT ANY LOCATION WHERE DUCTWORK PENETRATES A FIRE RATED ASSEMBLY OR WALL TO MAINTAIN THAT ASSEMBLY'S FIRE RATING. REFER TO ARCH. DRAWINGS FOR FIRE RATINGS.
25. DUCTWORK, PIPING ETC. SHALL NOT BE ROUTED OVER TOP OF ELECTRICAL PANEL BOARDS.



PROJECT INFORMATION:

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Speculative Shell Building

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US Hwy 41 and Frank Yost Lane
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Project Number:
20102

Drawn By:
MAW
Date:
8.10.2020

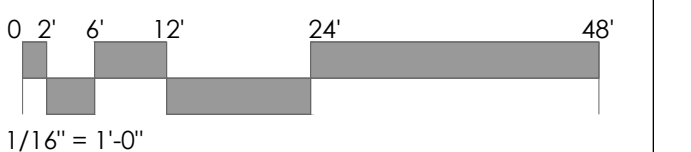
#	Revision Date:

Jonathan W. Clark
Architect

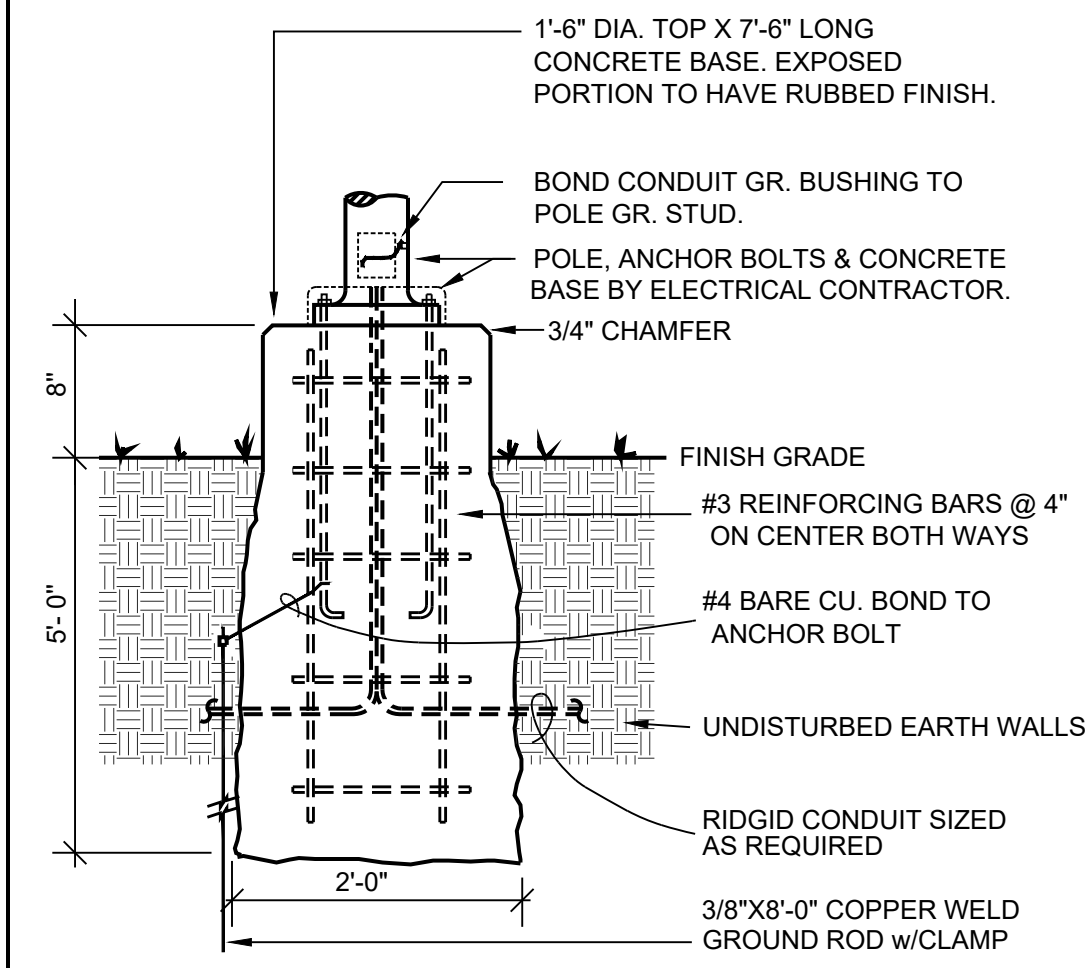
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Sheet Name
HVAC SCHEDULES AND DETAILS

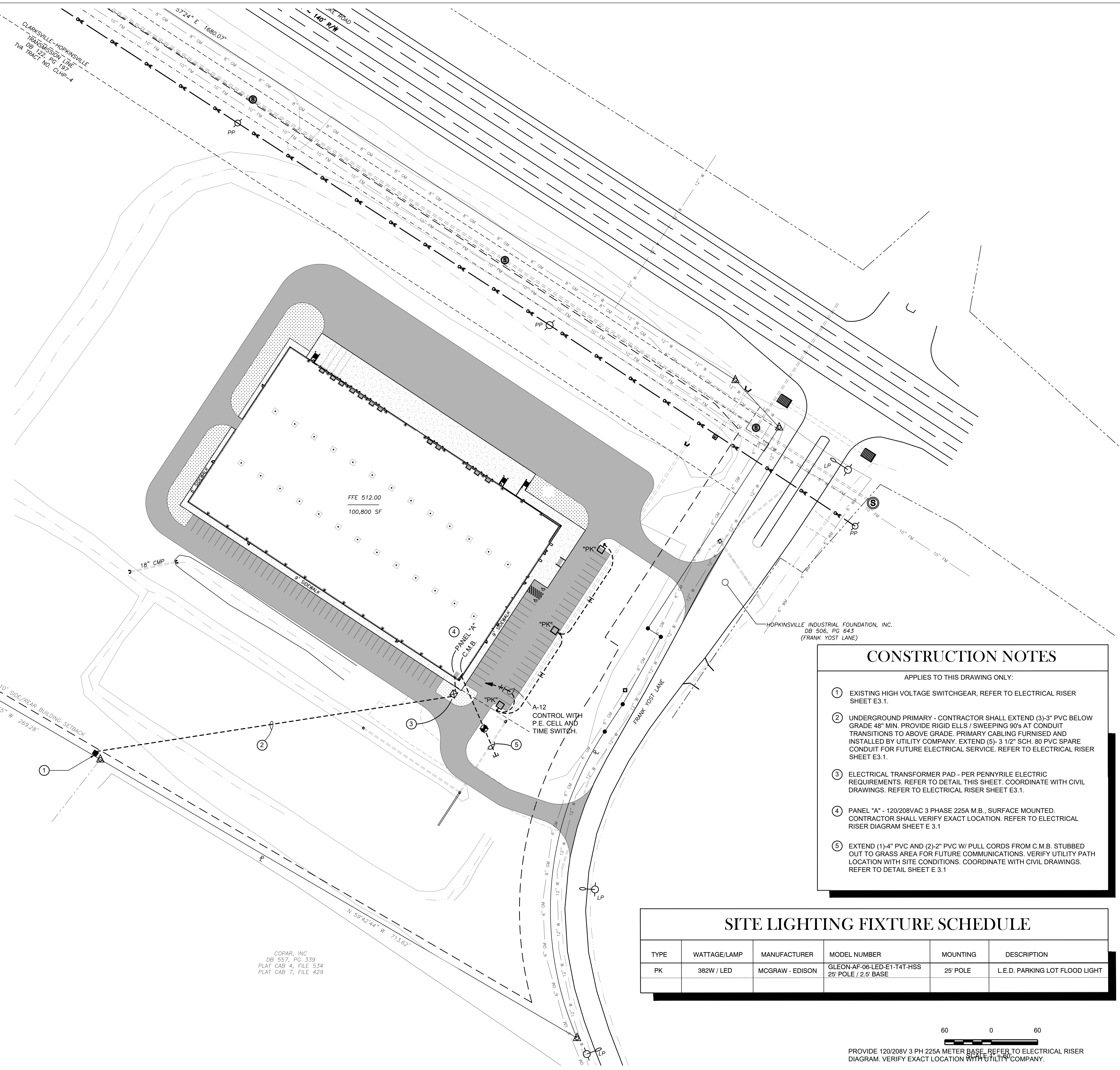
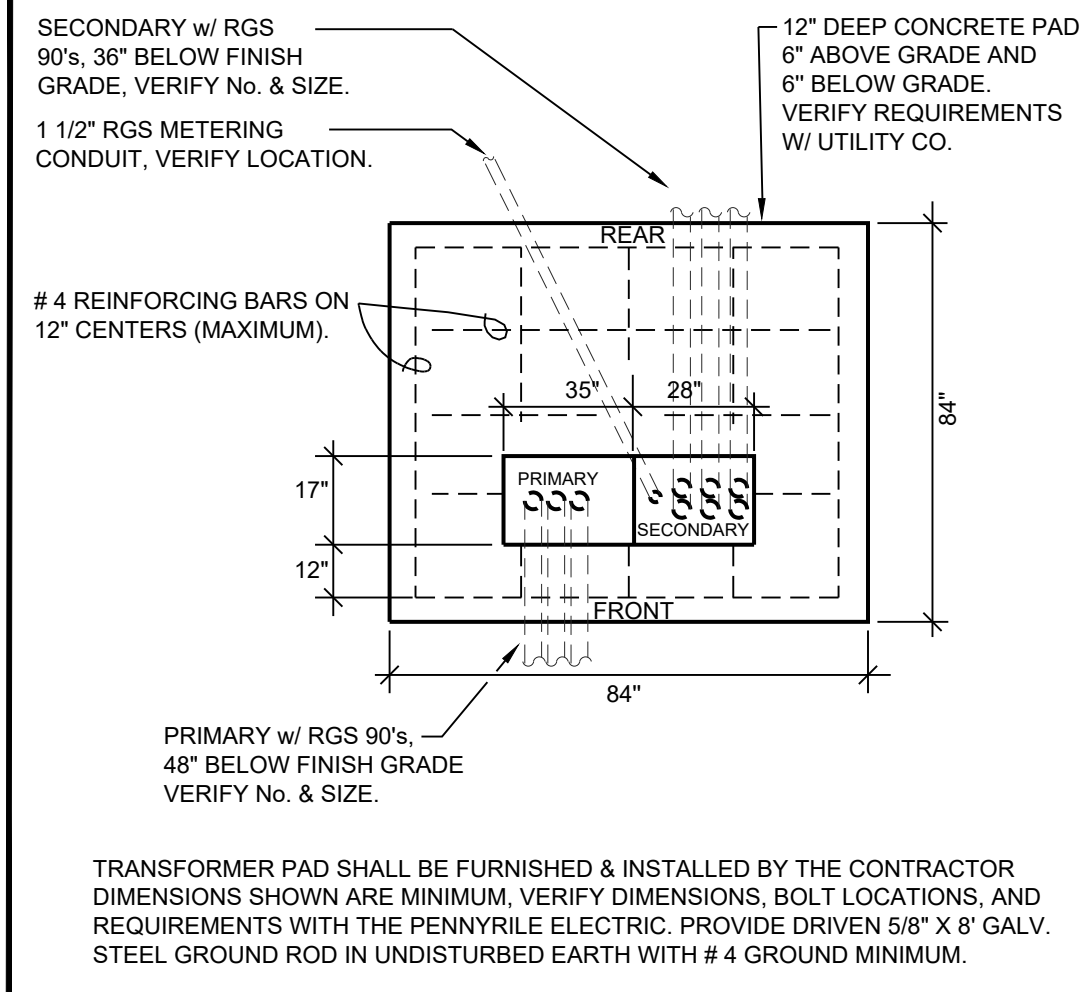
Sheet Number
M 2.1



POLE BASE DETAIL



ELECTRICAL TRANSFORMER PAD DETAIL



CONSTRUCTION NOTES

APPLIES TO THIS DRAWING ONLY:

- EXISTING HIGH VOLTAGE SWITCHGEAR, REFER TO ELECTRICAL RISER SHEET E3.1.
- UNDERGROUND PRIMARY - CONTRACTOR SHALL EXTEND (3)-3" PVC BELOW GRADE 48" MIN. PROVIDE RIGID ELLS / SWEEPING 90'S AT CONDUIT TRANSITIONS TO ABOVE GRADE. PRIMARY CABLING FURNISHED AND INSTALLED BY UTILITY COMPANY. EXTEND (5)-3 1/2" SCH. 80 PVC SPARE CONDUIT FOR FUTURE ELECTRICAL SERVICE. REFER TO ELECTRICAL RISER SHEET E3.1.
- ELECTRICAL TRANSFORMER PAD - PER PENNYRILE ELECTRIC REQUIREMENTS. REFER TO DETAIL THIS SHEET. COORDINATE WITH CIVIL DRAWINGS. REFER TO ELECTRICAL RISER SHEET E3.1.
- PANEL "A" - 120/208VAC 3 PHASE 225A M.B., SURFACE MOUNTED. CONTRACTOR SHALL VERIFY EXACT LOCATION. REFER TO ELECTRICAL RISER DIAGRAM SHEET E 3.1
- EXTEND (1)-4" PVC AND (2)-2" PVC w/ PULL CORDS FROM C.M.B. STUBBED OUT TO GRASS AREA FOR FUTURE COMMUNICATIONS. VERIFY UTILITY PATH LOCATION WITH SITE CONDITIONS. COORDINATE WITH CIVIL DRAWINGS. REFER TO DETAIL SHEET E 3.1

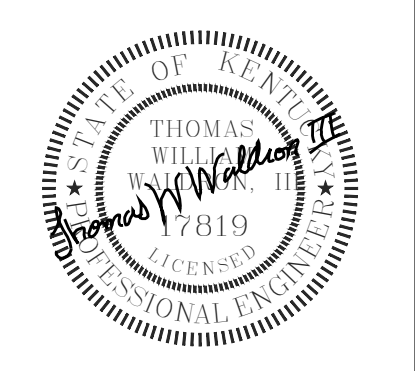
SITE LIGHTING FIXTURE SCHEDULE

TYPE	WATTAGE/LAMP	MANUFACTURER	MODEL NUMBER	MOUNTING	DESCRIPTION
PK	382W / LED	MCGRAW - EDISON	GLEON-AF-06-LED-E1-T4T-HSS 25' POLE / 2.5' BASE	25' POLE	L.E.D. PARKING LOT FLOOD LIGHT

1 Electrical Site Plan
E.1.1 1" = 60'-0"

COPAR, INC.
DB 557, PG. 339
PLAT CAB 4, FILE 534
PLAT CAB 7, FILE 429

60 0 60
SCALE
PROVIDE 120/208V 3 PH 225A METER BASE. REFER TO ELECTRICAL RISER DIAGRAM. VERIFY EXACT LOCATION WITH UTILITY COMPANY.



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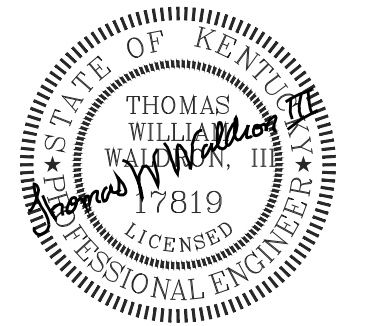
Revision Date:

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Sheet Name
ELECTRICAL SITE PLAN

Sheet Number
E 1.0



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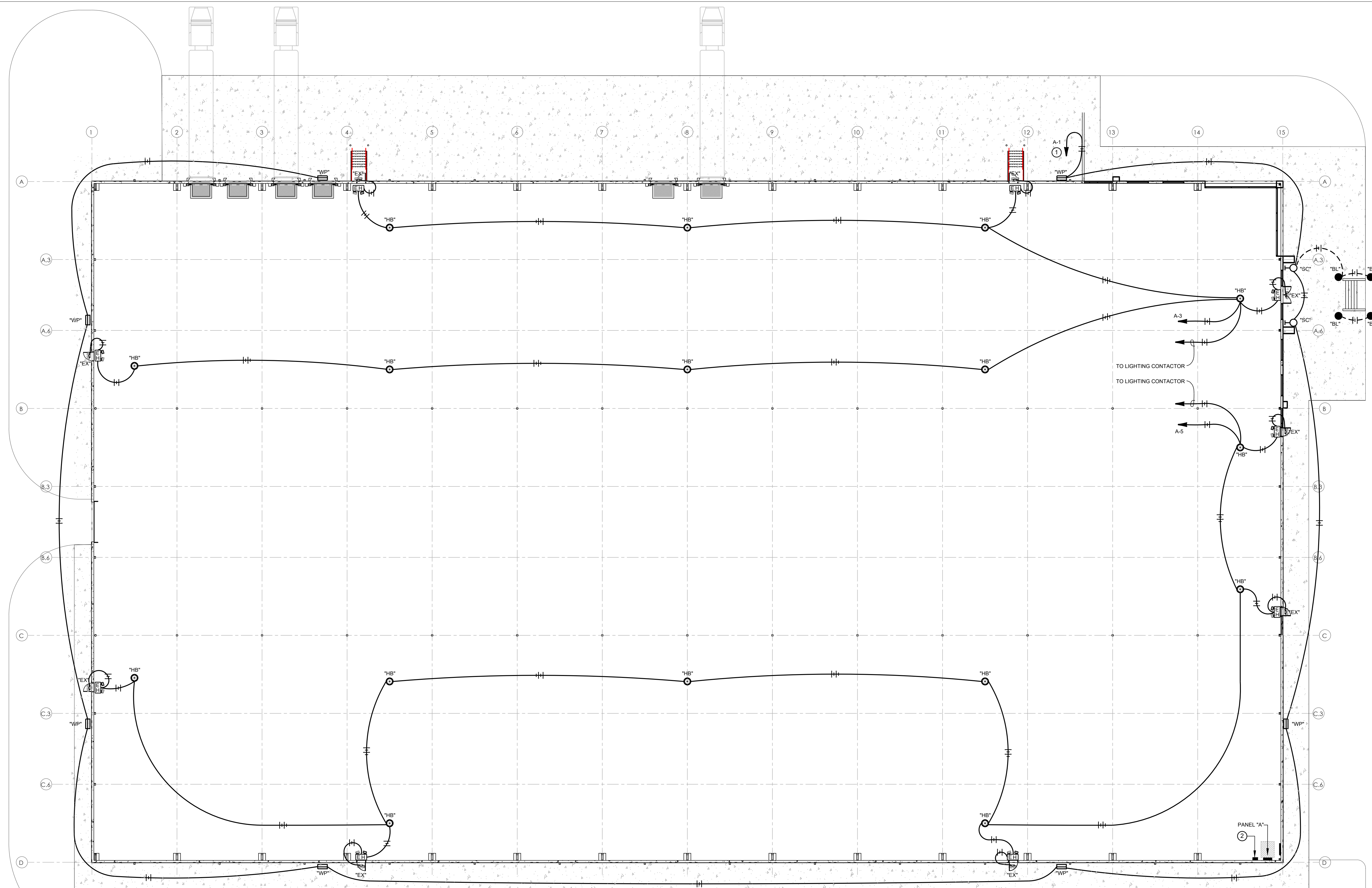
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Sheet Name
LIGHTING FLOOR PLAN

Sheet Number
E 1.1

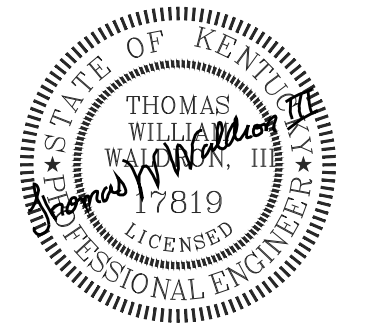


1
E 1.1
Lighting Floor Plan
1/16" = 1'-0"

CONSTRUCTION NOTES
APPLIES TO THIS DRAWING ONLY:
① P.E. CELL MOUNTED AT ROOF EAVE TO CONTROL EXTERIOR LIGHTING.
② 2-POLE 120V LIGHTING CONTACTOR, WALL MOUNTED IN NEMA 3R ENCLOSURE TO CONTROL INTERIOR HIGH BAY LIGHTING CIRCUITS.

LIGHTING FIXTURE SCHEDULE					
TYPE	WATTAGE/LAMP	MANUFACTURER	MODEL NUMBER	MOUNTING	DESCRIPTION
BL	32W / L.E.D.	REBELLE	2868LED-32L-40-120-42-BT	CONCRETE BASE	L.E.D. BOLLARD
E	1W / L.E.D.	LITHONIA	EDG-1-R-EL-SD	WALL ABOVE DOOR	L.E.D. EXIT FIXTURE WITH BATT. - NEMA 4X
EH	3W / L.E.D.	LITHONIA	LHQM-LED-RHO-SD	WALL ABOVE DOOR	L.E.D. TWIN HEAD EXIT / EMERGENCY COMBO
EM	3W / L.E.D.	LITHONIA	TCLC / ELA WG4/8	WALL @ 8'-6" A.F.F.	L.E.D. TWIN HEAD BATT. EMERGENCY W/ WIRE GUARD
HB	200W / L.E.D.	TOPAZ	F-LUH/200HL/50K-8T	PENDANT @ 20'-0" A.F.F.	L.E.D. HIGH BAY - 30000 LUMENS
SC	24W / L.E.D.	REBELLE	7010-2X12L-50K CCT-120-PB/WFL-DIM	EXTERIOR WALL @ 21'-8" A.F.F.	L.E.D. UP/DOWN EXTERIOR WALL SCENCE
WP	73W / L.E.D.	LITHONIA	DSXW1 LED 20C 1000 40K T3M MVOLT DDBTXD	EXTERIOR WALL @ 21'-8" A.F.F.	L.E.D. WALL PACK - 7573 LUMENS

LIGHTING SYMBOL LEGEND	
	L.E.D. HIGH BAY FIXTURE.
	L.E.D. WALL PACK FIXTURE
	L.E.D. SINGLE FACE BATTERY EXIT. CONNECT TO UNSWITCHED LIGHT CIRCUIT.
	L.E.D. TWIN HEAD EXIT / EMERGENCY FIXTURE. CONNECT TO UNSWITCHED 120VAC.
	L.E.D. TWIN HEAD EXIT / EMERGENCY COMBO. CONNECT TO UNSWITCHED 120VAC.
	L.E.D. EMERGENCY TWIN HEAD REMOTE.
	SINGLE POLE SWITCH.
	PHOTO-ELECTRIC CELL MOUNTED AT ROOF EAVE.



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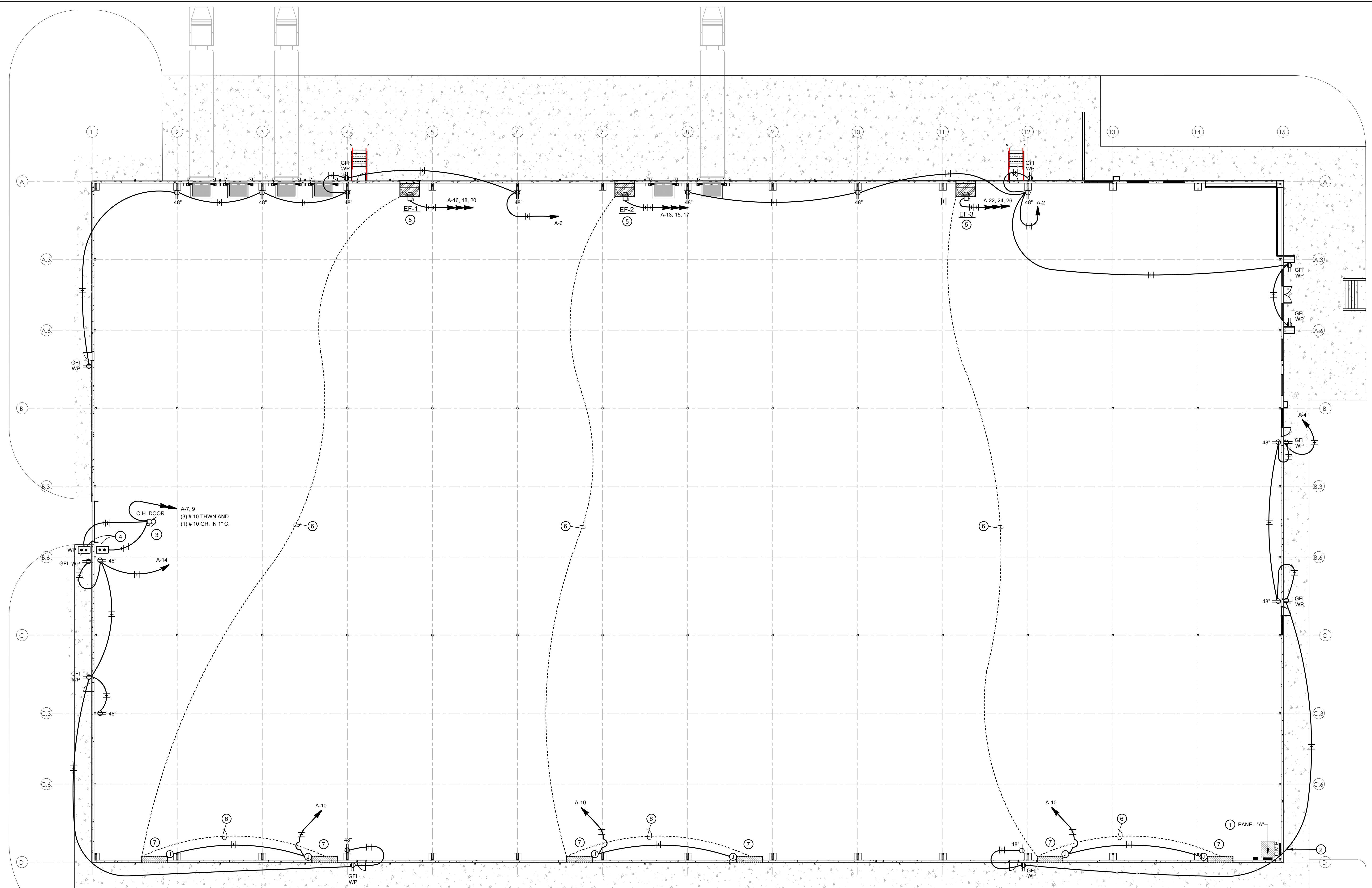
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Sheet Name
POWER FLOOR PLAN

Sheet Number
E 2.1



CONSTRUCTION NOTES

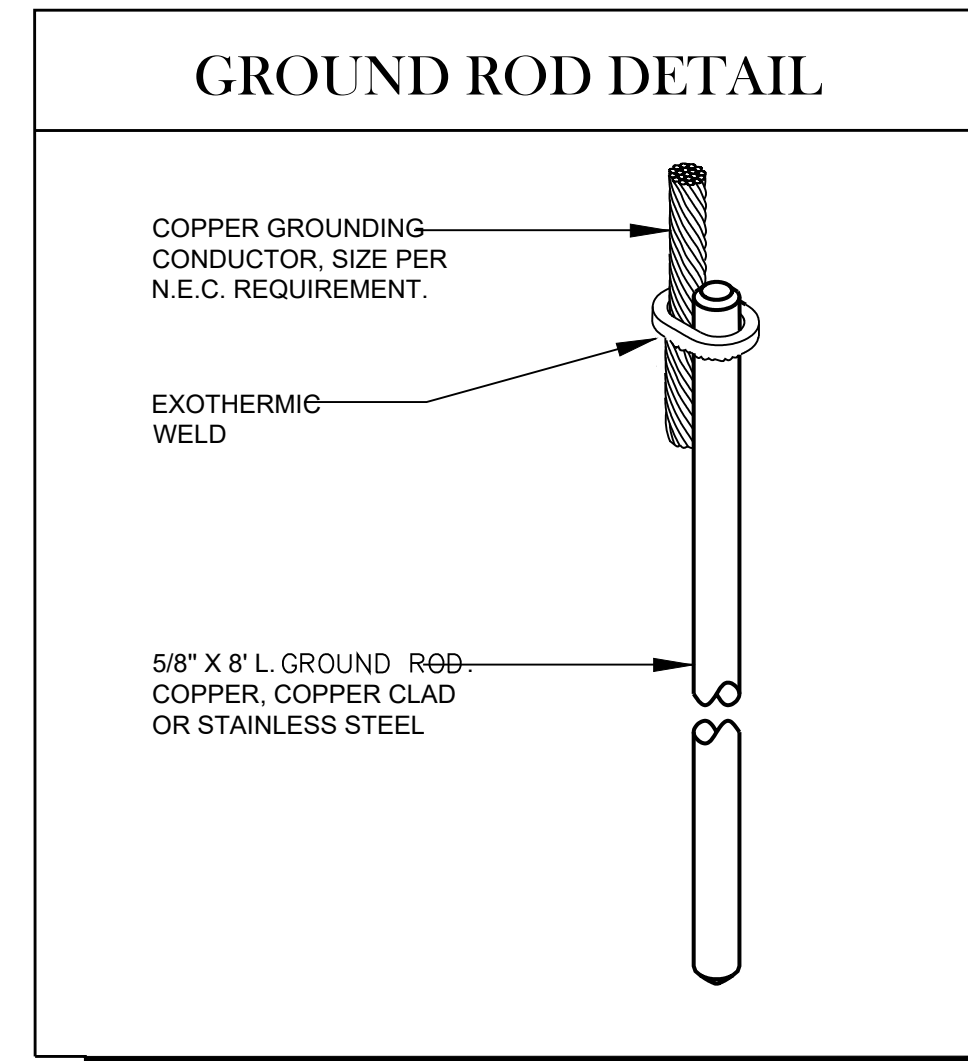
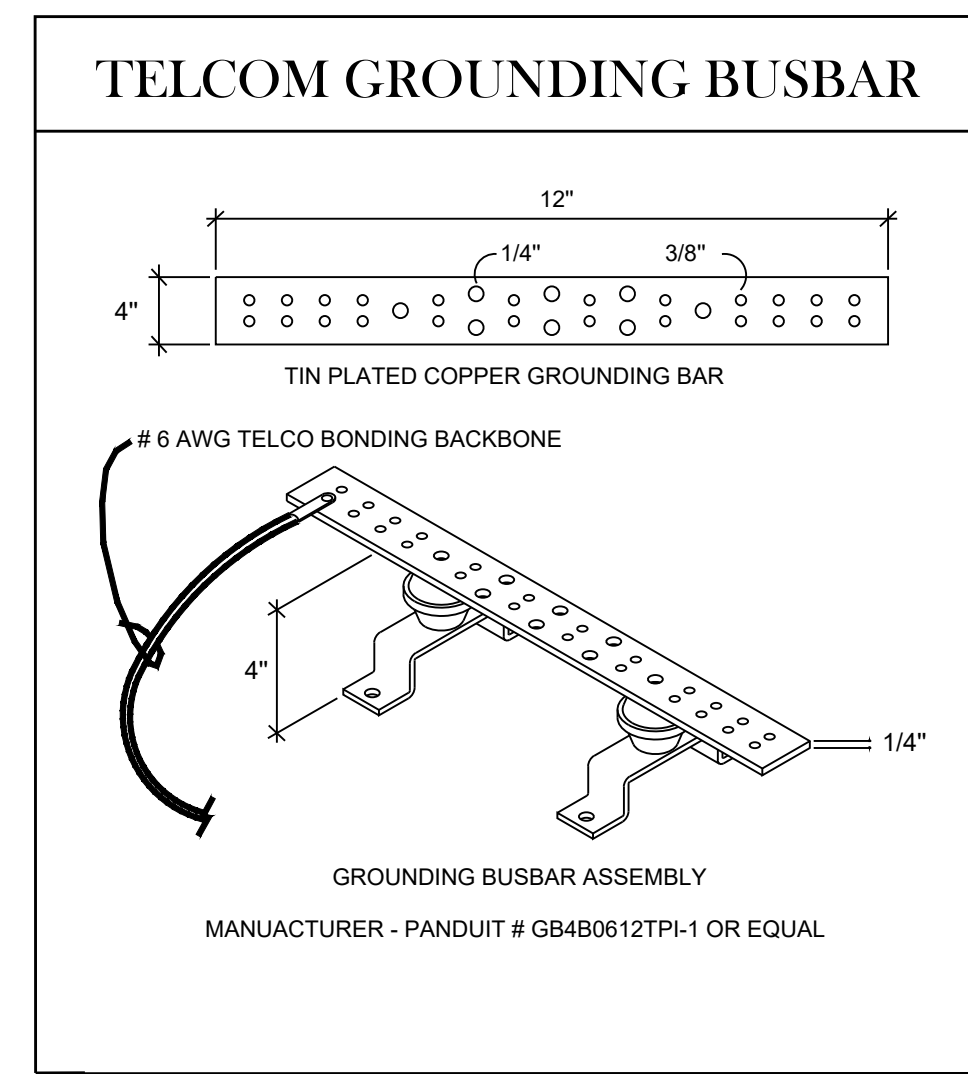
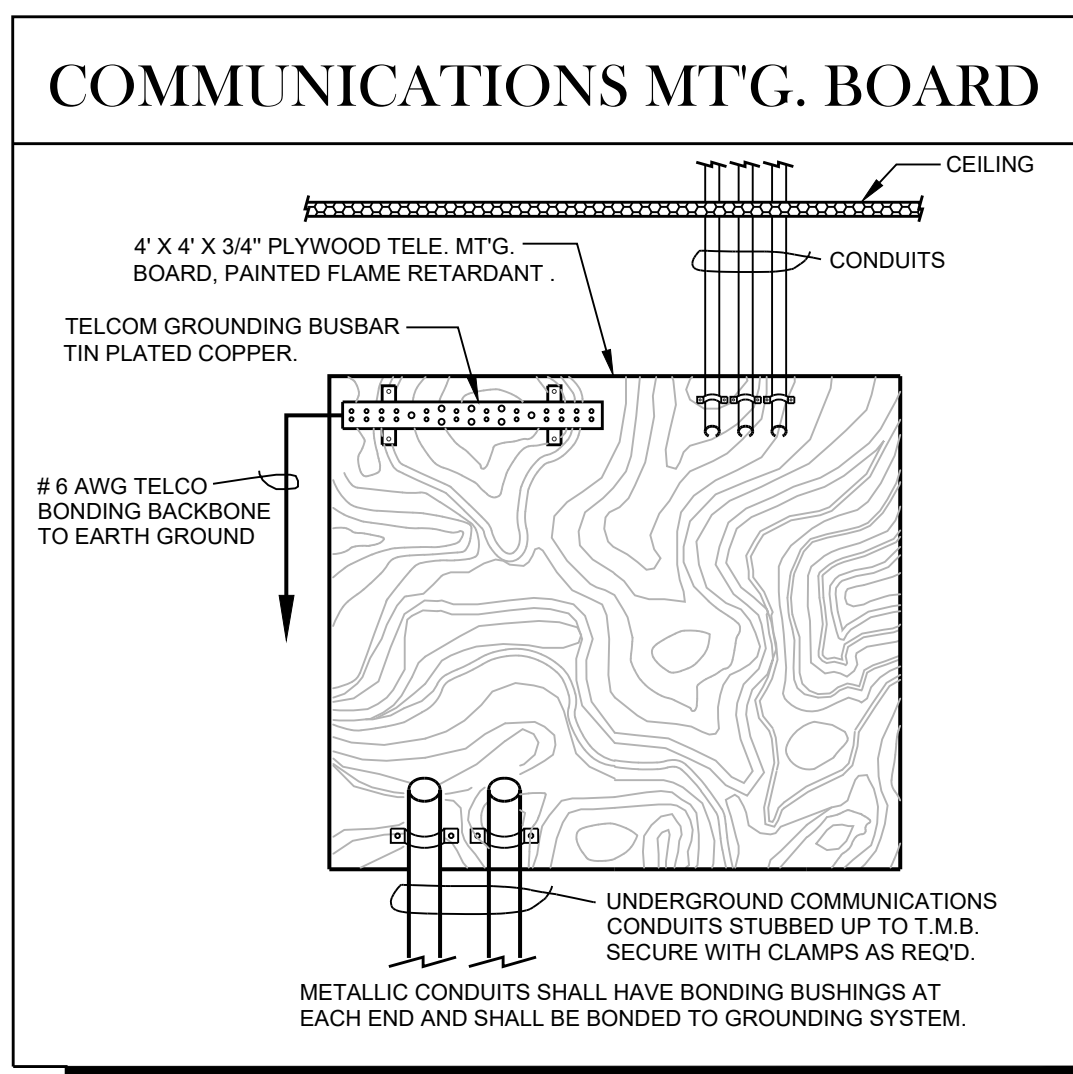
- APPLIES TO THIS DRAWING ONLY:
- ① PANEL "A" - 120/208VAC 3 PHASE 225A M.B., SURFACE MOUNTED. CONTRACTOR SHALL VERIFY EXACT LOCATION. REFER TO ELECTRICAL RISER DIAGRAM.
 - ② C.M.B. (COMMUNICATIONS MOUNTING BOARD) - PROVIDE A 4' X 4' X 3/4" FLAME RETARDANT PLYWOOD MOUNTING BOARD WITH GROUNDING BAR AND # 6 AWG CONDUCTOR TO BUILDING GROUND. REFER TO ELECTRICAL SITE PLAN, SHEET E 1.0.
 - ③ OVERHEAD DOOR - 208VAC 1 PHASE 1 1/2 H.P. CONTRACTOR SHALL VERIFY ELECTRICAL REQUIREMENTS WITH O.H. DOOR VENDOR. PROVIDE FUSED DISCONNECTS AS REQUIRED.
 - ④ OVERHEAD DOOR CONTROLS - CONTRACTOR SHALL PROVIDE CONTROLS ON INSIDE AND OUTSIDE IN A NEMA3R ENCLOSURE WITH CONTROL WIRING.
 - ⑤ EXHAUST FAN - 208VAC 3 PHASE 5 H.P. CONTRACTOR SHALL VERIFY ELECTRICAL REQUIREMENTS. PROVIDE MOTOR STARTERS AND FUSED DISCONNECTS AS REQUIRED. REFER TO MECHANICAL DRAWINGS AND SCHEDULES.
 - ⑥ CONTRACTOR SHALL PROVIDE CONTROL WIRING TO INTERLOCK EXHAUST FANS WITH 120VAC MOTORIZED LOUVERS.
 - ⑦ MOTORIZED LOUVERS - 120VAC, CONTRACOT SHALL INTERLOCK WITH EXHAUST FANS AND PROVIDE 120VAC POWER TO MOTORIZED LOUVERS.

ELECTRICAL SYMBOL LEGEND

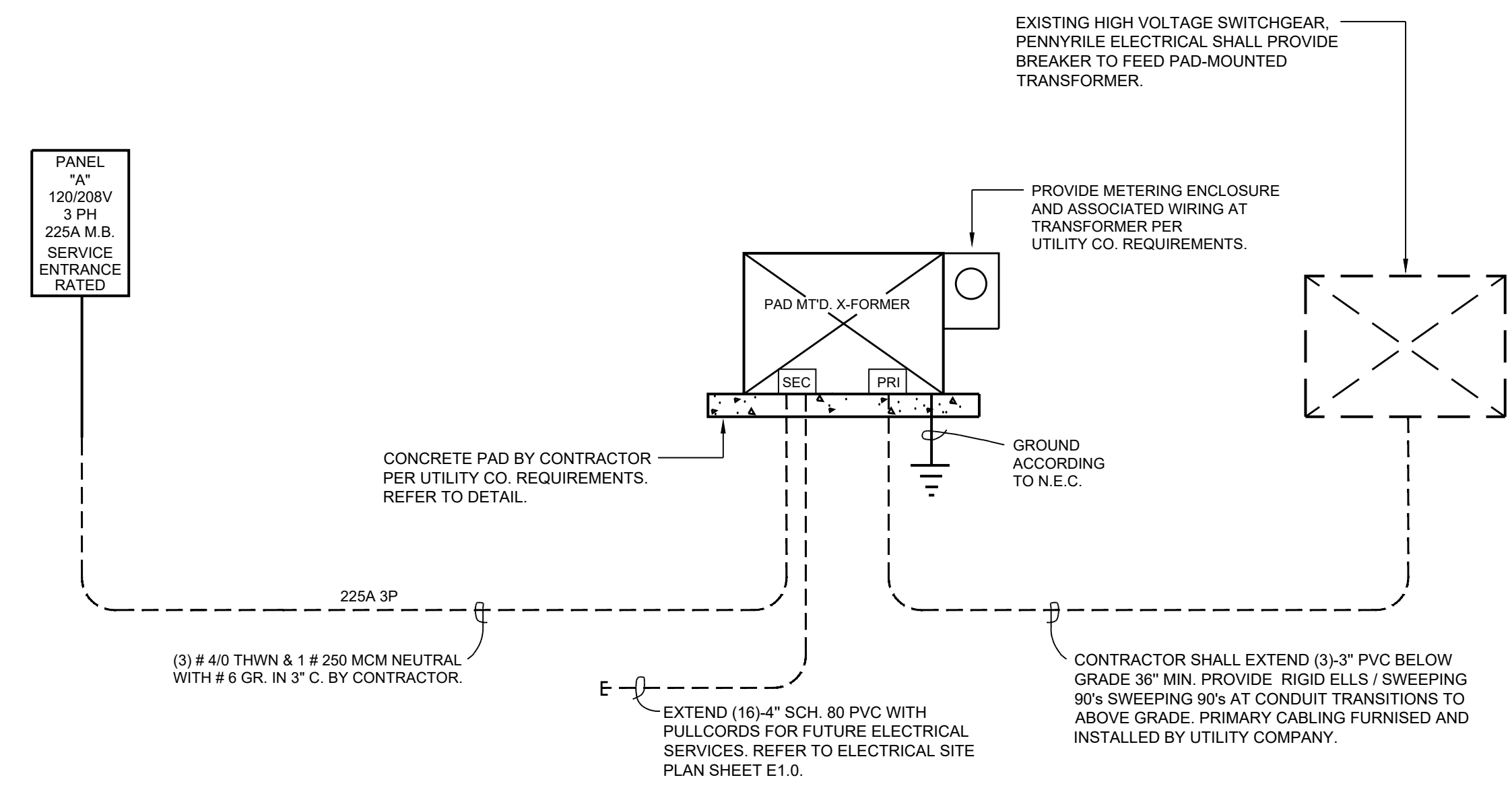
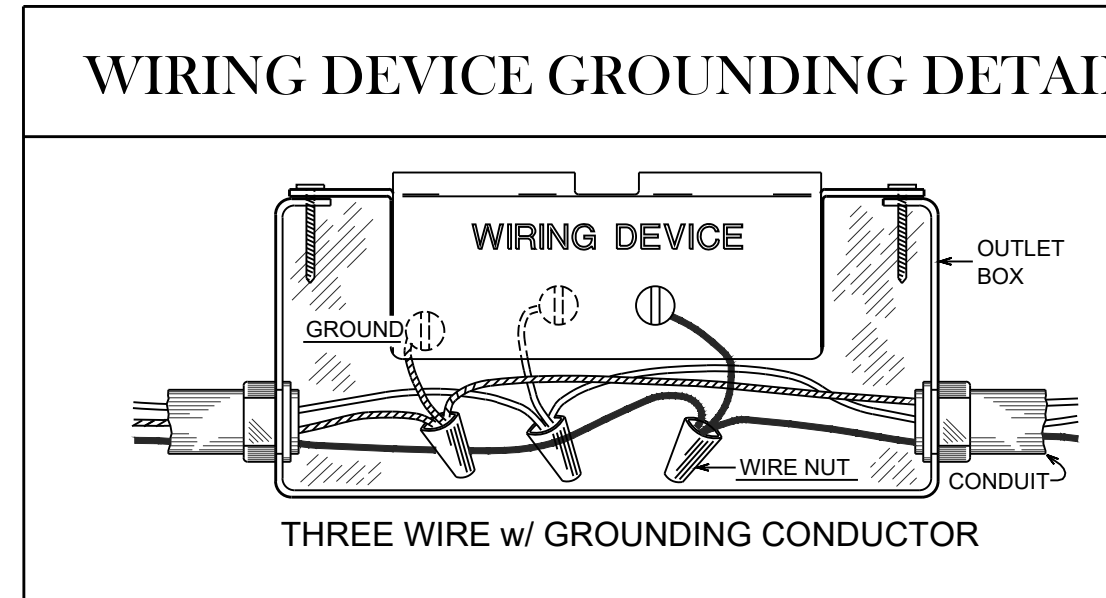
- | | | | |
|-----------------|--|--------|---|
| ⊕ | 115 VOLT GROUND FAULT RECEPTACLE. | —+— | CONDUIT RUN IN GROUND OR FLOOR. SAME AS ABOVE. |
| ⊕ _{WP} | GFI RECEPTACLE WITH WEATHERPROOF COVER. | -+-- | FLEXIBLE CONDUIT. |
| ⊕ | JUNCTION BOX WITH SCREW COVER. | —+— | EXISTING CONDUIT. |
| ⊕ | MOTOR OUTLET. HORSEPOWER INDICATED ON PLAN. | A-2 | HOME RUN TO PANEL. ARROW INDICATES No. OF CIRCUITS, "A" INDICATES PANEL, & "2" INDICATES CIR. No. |
| ⊕ | FUSED DISCONNECT SWITCH, SIZED PER N. E. C. | WP | WEATHER-PROOF, NEMA 3R |
| —+— | CONDUIT RUN CONCEALED IN WALLS OR CLG. HATCHMARKS INDICATE No. OF # 12THHN CONDUCTORS, UNLESS NOTED. | E.C. | EMPTY CONDUIT WITH PULL CORD OR CABLE. |
| | | A.F.F. | ABOVE FINISHED FLOOR. |
| | | N.I.C. | NOT IN CONTRACT |

SINGLE PHASE PANEL SERVICES	SINGLE PHASE EQUIPMENT SERVICES
30A 2P — 2 # 10THHN, 1 # 8 NEUTRAL & 1 # 10 GR. 3/4" C.	30A 2P — 3 # 10THHN & 1 # 10 GR. 3/4" C.
60A 2P — 2 # 6THHN, 1 # 4 NEUTRAL & 1 # 10 GR. 1" C.	50A 2P — 3 # 8THHN & 1 # 10 GR. 3/4" C.
100A 2P — 2 # 3THHN, 1 # 2 NEUTRAL & 1 # 8 GR. 1 1/2" C.	60A 2P — 3 # 6THHN & 1 # 10 GR. 1" C.
150A 2P — 2 # 1/0THHN, 1 # 2/0 NEUTRAL & 1 # 6 GR. 2" C.	100A 2P — 3 # 3THHN & 1 # 8 GR. 1 1/4" C.
200A 2P — 2 # 3/0THHN, 1 # 4/0 NEUTRAL & 1 # 6 GR. 2" C.	150A 2P — 3 # 1/0THHN & 1 # 6 GR. 2" C.
	200A 2P — 3 # 3/0THHN & 1 # 6 GR. 2" C.
THREE PHASE PANEL SERVICES	THREE PHASE EQUIPMENT SERVICES
30A 3P — 3 # 10THWN, 1 # 8 NEUTRAL & 1 # 10 GR. 3/4" C.	30A 3P — 4 # 10THWN & 1 # 10 GR. 3/4" C.
60A 3P — 3 # 6THWN, 1 # 4 NEUTRAL & 1 # 10 GR. 1" C.	60A 3P — 4 # 6THWN & 1 # 10 GR. 1" C.
100A 3P — 3 # 3THWN, 1 # 2 NEUTRAL & 1 # 8 GR. 1 1/2" C.	80A 3P — 3 # 4THWN, 1 # 3 NEUTRAL 1 1/4" C.
125A 3P — 3 # 1 THWN, 1 # 1/0 THWN NEUTRAL, & 1 # 6 GR. 1 1/2" C.	100A 3P — 4 # 3THWN & 1 # 8 GR. 1 1/4" C.
150A 3P — 3 # 1/0THWN, 1 # 2/0 NEUTRAL & 1 # 6 GR. 2" C.	125A 3P — 4 # 1 THWN & 1 # 6 GR. IN 1 1/2" C.
200A 3P — 3 # 3/0THWN, 1 # 4/0 NEUTRAL & 1 # 6 GR. 2" C.	150A 3P — 4 # 1/0THWN & 1 # 6 GR. 2" C.
225A 3P — 3 # 4/0THWN, 1 # 300MCM NEUTRAL & 1 # 4 GR. 2 1/2" C.	200A 3P — 4 # 3/0THWN & 1 # 6 GR. 2" C.

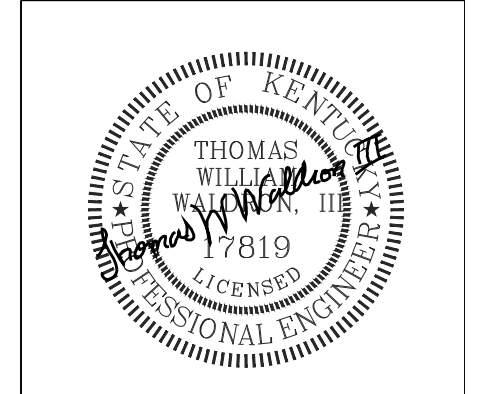
PANEL "A" 120/208 V 3-Ø			
TYPE	NQOD	225A	M.B. <input checked="" type="checkbox"/>
LOCATION	WAREHOUSE	MT'G. SUR.	
NUMBER OF BRANCHES	42	18	KAIC
1P	2P	3P	REMARKS
20A	4		LIGHTING
20A	5		RECEPTACLES
20A		1	O.H. DOOR
20A	1		LOUVERS
20A		3	EXH. FANS
20A	5		SPARES
	16		SPACES



- ### ELECTRICAL NOTES
- CONDUITS FOR PANEL, EQUIPMENT & X-FORMER FEEDERS SHALL HAVE O.Z. TYPE "BI" INSULATED GROUNDING BUSHINGS WHERE ENTERING AND/OR LEAVING ENCLOSURES. BONDING JUMPERS SHALL BE INSTALLED FROM BUSHING TO ENCLOSURES, SIZED AS REQUIRED BY N.E.C. (Ø8 AWG. MIN.) CONDUITS TO THE MAIN SERVICE SHALL BE BONDED TOGETHER TO THE SYSTEM GROUND, STEEL & WATER PIPING.
 - JUNCTIONS FOR DATA, TELE. OR T.V. OUTLETS SHALL BE 2 GANG BOXES w/ SINGLE GANG PLASTER RING & ONE HOLE COVER PLATE UNLESS NOTED OTHERWISE.
 - LEAVE PULL CORDS OR CABLES IN EMPTY CONDUITS w/ CONNECTORS OR BUSHINGS @ BOTH ENDS.
 - PROVIDE SEPARATE NEUTRALS FOR EACH 20A 120V CIRCUIT. SERVICES TO PANELS OTHER THAN DISTRIBUTION STYLE SHALL HAVE NEUTRAL UP-SIZED ONE WIRE SIZE LARGER THAN PHASE CONDUCTORS.
 - MOUNT OUTLET BOXES THAT APPEAR TO BE BACK TO BACK IN SEPARATE BLOCK CELL OR w/ ONE STUD BETWEEN.
 - THE CONTRACTOR SHALL NOTE THAT DRAWINGS INDICATE ONLY THE EXTENT DIAGRAMMATICALLY OF THE WORK INTENDED TO BE PERFORMED. WORK INTENDED, HAVING MINOR DETAILS OBVIOUSLY OMITTED SHALL BE FURNISHED COMPLETE TO PERFORM THE PROPER FUNCTIONS OF THE ELECTRICAL SYSTEMS.
 - EACH CONTRACTOR SHALL COORDINATE CHANGES TO THE CONTRACT DOCUMENTS w/ OTHER TRADES. IF A CONTRACTOR SUBSTITUTES A MANUFACTURER WHICH CAUSES A CHANGE IN PRICE, THE EXPENSE OF THE CHANGE SHALL BE THE RESPONSIBILITY OF THAT CONTRACTOR.
 - PRIOR TO ELECTRICAL ROUGH-IN, THE CONTRACTOR MUST HAVE AN APPROVED SET OF SHOP DRAWINGS. COORDINATION OF LOCATION AND DIMENSIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO ADDED EXPENSE TO THE OWNER.
 - THE CONTRACTOR SHALL CONTACT THE ENGINEER A MINIMUM OF 8 DAYS PRIOR TO BID DATE w/ QUESTIONS CONCERNING THE DOCUMENTS. CATALOG NUMBERS SHOWN IN THE DOCUMENTS ESTABLISH A MINIMUM ACCEPTABLE QUALITY. SUBSTITUTIONS SHALL BE PREAPPROVED BY ENGINEER WITH MANUFACTURERS LISTED IN SPECIFICATIONS OR BY ADDENDUM THE ONLY ACCEPTABLE MANUFACTURERS.
 - CATALOG NUMBERS SHOWN ON DRAWINGS ARE FOR DESIGN PURPOSES TO ESTABLISH A MINIMUM ACCEPTABLE QUALITY. SEE SPECIFICATIONS FOR ADDITIONAL MANUFACTURERS.
 - EXPENSES ASSOCIATED WITH CHANGES CAUSED BY PRODUCT SUBSTITUTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
 - EXPENSES ASSOCIATED WITH LACK OF CO-ORDINATION, SEQUENCE OF WORK, OR CONFLICT IN LOCATION AND DIMENSIONS ARE RESPONSIBILITY OF THE CONTRACTOR.
 - CONTRACTOR SHALL COORDINATE MOUNTING HEIGHTS AND LOCATIONS OF POWER AND COMMUNICATIONS OUTLETS TO AVOID CONFLICT WITH ARCHITECTURAL CASEWORK DRAWINGS PRIOR TO ROUGH-IN.
 - REFER TO MECHANICAL DRAWINGS FOR LOCATIONS OF MECHANICAL UNITS AND EQUIPMENT. REFER TO ELECTRICAL SCHEDULE DRAWINGS FOR CONDUIT, WIRE SIZES, AND BREAKERS.



1 Electrical Service Riser Diagram
E 3.1 Not to Scale



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