

PARQUE DRIVE BUSINESS PARK - BUILDING I

OWNER/DEVELOPER: PETER TYDIR, OWNER, TYDIR, LLC, 418 N SEGRAVE STREET, SUITE B, DAYTONA BEACH, FL 32114

PROJECT LOCATION: 200 PARQUE DRIVE, BUILDING I, HOLLY HILL, FL, 32117

NEW CONSTRUCTION

CIVIL ENGINEERING & LANDSCAPE ARCHITECTURE:

NEWKIRK ENGINEERING, INC.
HARRY NEWKIRK
LIC. # 62971
1370 NORTH US-1, SUITE 204
ORMOND BEACH, FL 32174
PH: 386-290-7599

STRUCTURAL ENGINEERING:

DEVLEN ENGINEERING, INC.
RONALD D. DEVLEN, P.E.
LIC. # 49782
4021 CHURCH ST,
SANFORD, FL 32771
PH: (407)324-5300 FX: (407)324-5999

MECH., ELEC., PLUMB. ENGINEERING:

MOHSEN T. FARAJI, P.A. CA#8126
FARSHAD ANTIKCHI, PE#72988
MOHSEN FARAJI, PE#43599
1325 SOUTH BUMBAY AVENUE
ORLANDO, FL 32806
PH: (407)896-7411 FX: (407)896-7412



BPF

DESIGN INCORPORATED

#AA 26001108

ARCHITECTURE, DESIGN & DRAWING SERVICES

BRIAN P. FREDLEY, ASSOCIATE AIA, PROJECT MANAGER

DALLAS B. PEACOCK, AIA, ARCHITECT

#AR 0009706

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DAYTONA BEACH, FL 32114 PH: (386) 257-0502 FX: (386) 257-1050

EMAIL: BFREDLEY@BPFDESIGN.COM WEBSITE: BPFDESIGN.COM

GENERAL CONTRACTOR:

GENERAL MECHANICAL CORPORATION,
PETER M. TYDIR, PRESIDENT

CGCA57756

418 N. SEGRAVE ST. SUITE B,
DAYTONA BEACH, FL, 32114,

PH: (386)255-5222 FX: (386)258-8924

MECHANICAL CONTRACTOR:

GENERAL MECHANICAL CORPORATION,
PETER M. TYDIR, PRESIDENT

CGCA57756

418 N. SEGRAVE ST. SUITE B,
DAYTONA BEACH, FL, 32114,

PH: (386)255-5222 FX: (386)258-8924

PRE-ENG. MTL. BUILDING CONTRACTOR:

STEELMASTERS INDUSTRIES, INC.
DARWIN SCHNEIDER, PROJECT MANAGER

CBC 040699

P.O. BOX 116
EDGEWATER, FL 32132

PH: (386)345-0391 FX: (386)345-2581

ELECTRICAL CONTRACTOR:

TO BE DETERMINED

PLUMBING CONTRACTOR:

TO BE DETERMINED

NOVEMBER 13, 2018

100% CONSTRUCTION DRAWINGS

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GENERAL NOTES

ALL GENERAL & SUB-CONTRACTORS TO FIELD VERIFY ALL DIMENSIONS, ELECTRICAL, WATER, SEWER AND GAS SERVICE LOCATIONS.

ALL WORK MUST COMPLY WITH THE 2017 (6TH EDITION) EXPOSURE "C" OF THE FLORIDA BUILDING CODE SECT. 1609/ 140 MPH WIND LOAD AND THE FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION.

ALL DOOR & WINDOW OPENINGS TO MEET OR EXCEED DESIGN PRESSURE RANGE AS SPECIFIED ON SHEET TBL.

BUILDING RISK CATEGORY IS "I"

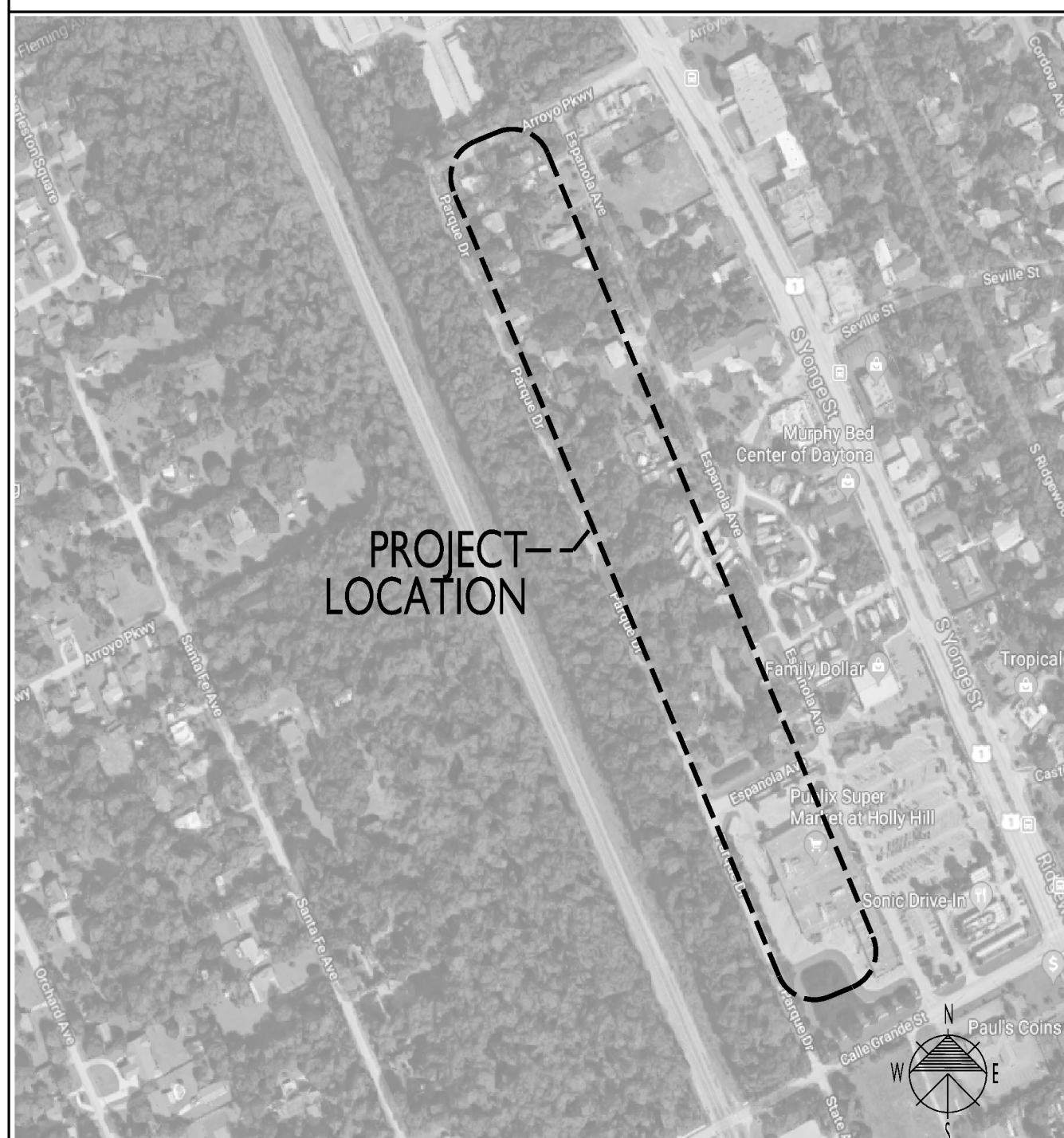
WIND IMPORTANCE FACTOR IS "1.0" AND THE BUILDING CATEGORY IS "ENCLOSED"

INTERNAL PRESSURE COEFFICIENT IS .18 IN ACCORDANCE WITH ASCE 7-10

ALL GLAZING IS TO BE NON IMPACT RESISTANT

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PROJECT LOCATION MAP



PLAN REVIEW DATA

APPLICABLE CODES:
 6th EDITION (2017) FLORIDA BUILDING CODE - BUILDING
 6th EDITION (2017) FLORIDA BUILDING CODE - ACCESSIBILITY
 6th EDITION (2017) FLORIDA BUILDING CODE - ENERGY CONSERVATION
 6th EDITION (2017) FLORIDA BUILDING CODE - FUEL - GAS
 6th EDITION (2017) FLORIDA BUILDING CODE - MECHANICAL
 6th EDITION (2017) FLORIDA BUILDING CODE - PLUMBING
 6th EDITION (2017) FLORIDA FIRE PREVENTION CODE - FIRE
 2014 EDITION NATIONAL ELECTRICAL CODE - ELECTRICAL

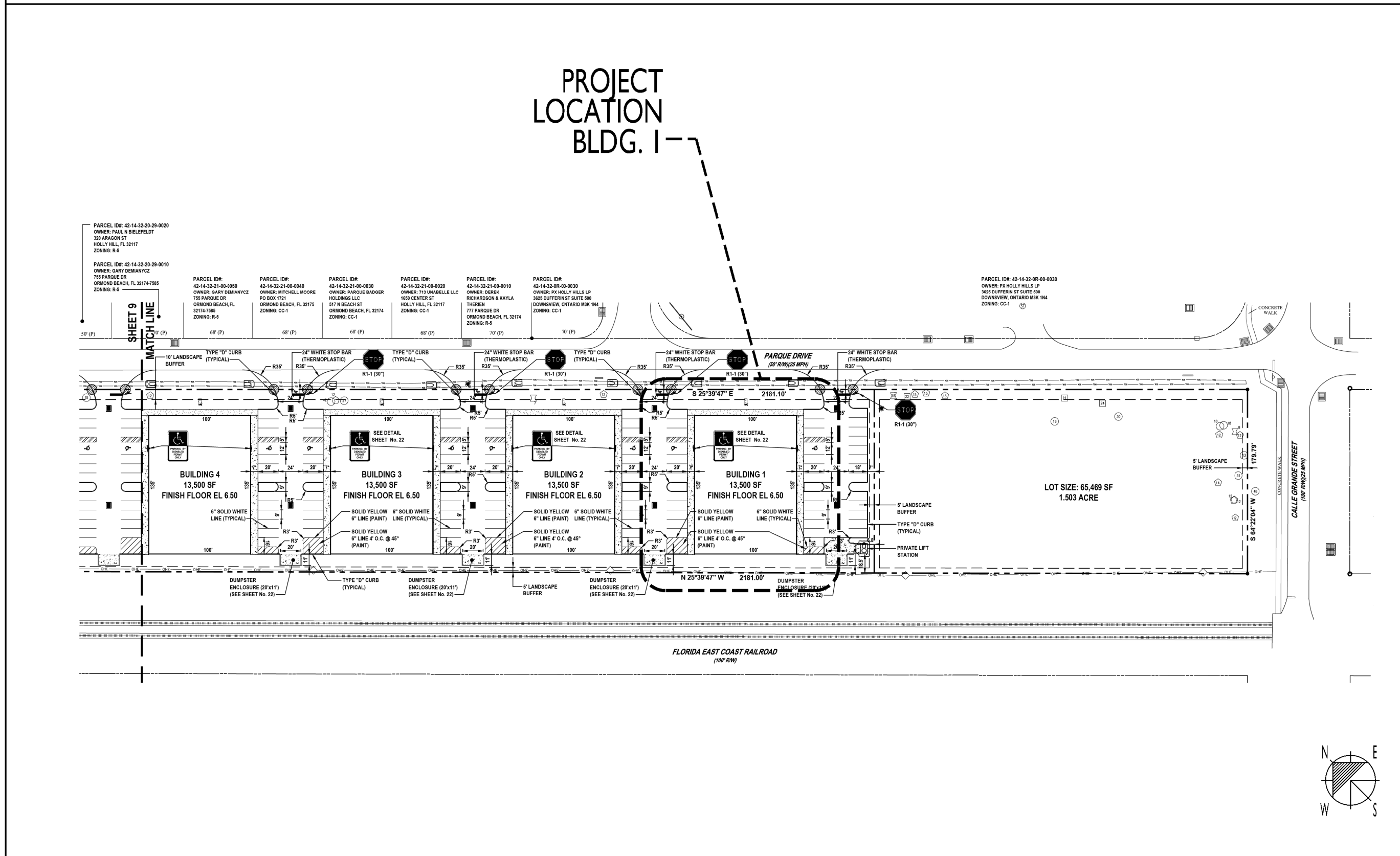
OCCUPANCY TYPE: GROUP - B (BUSINESS)
 CONSTRUCT. TYPE: TYPE 2B, NON-SPRINKLED
 FIRE PROTECTION: FIRE RATED WALLS TO BE USED, ALL STRUCTURAL MEMBERS MUST BE OF NON-COMBUSTIBLE CONSTRUCTION
 BUILDING AREA: 13,133 SF GROSS

OCCUPANCY CAPACITY: TENANTS 1,5,6 & 10: (4 TENANTS)
 GROUP B (BUSINESS) = 1,346 SF @ 300 SF/PERSON = 5 PERSONS EA.
 TENANTS 2,4 & 7-9: (6 TENANTS)
 GROUP B (BUSINESS) = 1,291.5 SF @ 300 SF/PERSON = 5 PERSONS EA.
 TOTAL OCCUPANTS (10 TENANTS): 50 PEOPLE IF ALL OPEN
 REQUIRED EGRESS: PER TENANT = .2 INCHES PER OCCUPANT X 5 = 1 INCH MIN. REQUIRED
 PROVIDED EGRESS: PER TENANT:
 (0) 72" EGRESS DOORS W/ 68" CLEAR = 0" INCHES
 (1) 36" EGRESS DOORS W/ 34" CLEAR = 34" INCHES

PLUMBING FIXTURE TABLES: PROPOSED PLUMBING FIXTURES BUILDING 1

	MEN	WOMEN	LINISEX
WC	0	0	10
LAV.	0	0	10
SERV. SINK	0	0	10
DRINKING FOUNTAIN	0	0	10

PARTIAL SITE PLAN



SITE PLAN PROVIDED BY:
 NEWKIRK ENGINEERING, HARRY NEWKIRK
 1370 NORTH US-1, SUITE 204, ORMOND BEACH, FL 32174
 PH: 386-290-7599

DRAWING LIST

- COVER SHEET
- TBL DRAWING LIST - LOCATION MAP & KEY/SITE PLAN
- ABV ABBREVIATIONS, NOTES, SYMBOLS & UL DATA
- UL UL FIRE RATED DETAILS
- A-C1 ARCHITECTURAL SITE PLAN
- A-C2 DUMPSTER DETAILS
- CIVIL
 NEWKIRK ENGINEERING, INC.
- 1 COVER
- 2 BOUNDARY AND TOPOGRAPHIC SURVEY
- 3 DEVELOPMENT INFORMATION
- 4 DEMOLITION AND SWPPP PLAN - SOUTH
- 5 DEMOLITION AND SWPPP PLAN - NORTH
- 6 WETLAND IMPACT / PRESERVATION PLAN
- 7 SWPPP DETAILS AND NOTES
- 8 SITE LAYOUT PLAN - SOUTH
- 9 SITE LAYOUT PLAN - NORTH
- 10 DRAINAGE PLAN - SOUTH
- 11 DRAINAGE PLAN - NORTH
- 12 GRADING PLAN
- 13 CROSS SECTIONS
- 14 CROSS SECTIONS
- 15 CROSS SECTIONS
- 16 UTILITY PLAN - SOUTH
- 17 UTILITY PLAN - NORTH
- 18 SANITARY PROFILE - GRAVITY MAIN STA 0+00 - 5+00
- 19 SANITARY PROFILE - GRAVITY MAIN STA 5+00 - 8+00
- 20 SANITARY PROFILE - FORCE MAIN STA 0+00 - 2+00
- 21 LIFT STATION PLAN
- 22 UTILITY DETAILS AND NOTES
- 23 MISCELLANEOUS DETAILS
- 24 HOLLY HILL STANDARD DETAILS
- 25 HOLLY HILL STANDARD DETAILS
- 26 HOLLY HILL STANDARD DETAILS
- 27 HOLLY HILL STANDARD DETAILS
- 28 MAINTENANCE OF TRAFFIC
- 29 LANDSCAPE PLAN - SOUTH
- 30 LANDSCAPE PLAN - NORTH
- 31 IRRIGATION PLAN - SOUTH
- 32 IRRIGATION PLAN - NORTH
- 33 LANDSCAPE AND IRRIGATION DETAILS
- 34 TRUCK EXHIBIT PLAN

- STRUCTURAL
 DEVLIN ENGINEERING, INC.
- S-1.2 GENERAL STRUCTURAL NOTES
- S-2.0 OVERALL LOCATION PLAN
- S-2.1 FOUNDATION PLAN
- S-2.2 WALL SECTION
- S-3.1 DETAILS
- ARCHITECTURAL
 BPE DESIGN, INC.
- A1 LIFE SAFETY PLAN
- A2 PROPOSED FLOOR PLAN
- A3 BUILDING ELEVATIONS - NORTH & SOUTH
- A4 BUILDING ELEVATIONS - EAST & WEST
- A5 ROOF PLAN
- A6 TYPICAL HC BATHROOM ENLARGED PLAN
- A7 HC DETAILS, INTERIOR PARTITIONS
- A8 BUILDING SECTION
- A9 EXT. WALL SECTIONS
- A10 WINDOW, DOOR, & FINISH SCHEDULE
- A11 REFLECTED CEILING PLAN
- ELECTRICAL
 MOHSEN FARAJI, P.A.
- E-SH1 ELECTRICAL FLOOR PLAN
- E-SH2 ELECTRICAL SCHEDULES
- E-SH3 ELECTRICAL RISER
- E-SH4 ELECTRICAL SPECIFICATIONS
- PLUMBING
 MOHSEN FARAJI, P.A.
- P-SH1 PLUMBING FLOOR PLAN - SEWER
- P-SH2 PLUMBING FLOOR PLAN - WATER
- P-SH3 PLUMBING SCHEDULE AND DETAILS
- P-SH4 PLUMBING SPECIFICATIONS

PROJECT DESIGN CRITERIA:

BUILDING DESIGN CRITERIA:
 BUILDING RISK CATEGORY: "II"
 WIND LOAD: 140 MPH
 BUILDING EXPOSURE: EXPOSURE "C"
 INTERNAL PRESSURE COEFFICIENT: ".18"

COMPONENTS & CLADDING DESIGN CRITERIA:

DESIGN PRESSURE FOR DOORS: REFER TO STRUCTURAL
 DESIGN PRESSURE FOR WINDOWS: REFER TO STRUCTURAL
 DESIGN PRESSURE FOR ROOF: REFER TO STRUCTURAL

GENERAL NOTES:
 ALL GENERAL & SUB-CONTRACTORS TO FIELD VERIFY ALL DIMENSIONS.
 ELECTRICAL, WATER, SEWER AND GAS SERVICE LOCATIONS:
 ALL WORK MUST COMPLY WITH THE 2017 6TH EDITION (EXPOSURE "C")
 OF THE FLORIDA BUILDING CODE SECT. 1609/140 MPH WIND LOAD
 AND THE FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION
 ALL DOOR & WINDOW OPENINGS TO MEET OR EXCEED DESIGN PRESSURE RANGE
 AS SPECIFIED ON SHEET TBL
 THE BUILDING RISK CATEGORY IS "II"
 INTERNAL PRESSURE COEFFICIENT IS ".18" IN ACCORDANCE WITH ASCE 7-10
 ALL GLAZING IS TO BE NON-IMPACT RESISTANT

REVISIONS

PARQUE DRIVE BUSINESS PARK - BUILDING 1

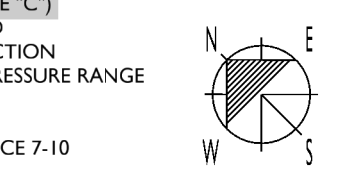
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 GENERAL CONTRACTOR: GENERAL MECHANICAL CORPORATION, PETER M. TYDIR, PRESIDENT, CGCAS7756, 418 N. SEGRAVE ST., SUITE B, DAYTONA BEACH, FL 32114,
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 E-MAIL: bfredley@bpe-design.com WEBSITE: bpe-design.com

DWG. LIST, MAP & CIVIL

DRAWN BY: TEB & BM	CHECKED BY: DRP & BRF
DATE: NOVEMBER 13, 2018	SHT NO. TBL
SCALE: AS NOTED	

ARCHITECT'S / ENGINEER'S SEAL



REVISIONS

PARQUE DRIVE BUSINESS PARK - BUILDING I

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ABBREVIATIONS, NOTES & SYMBOLS

DRAWN BY: TEP & BM	CHECKED BY: DRP & BPF
DATE: NOVEMBER 13, 2018	SHT NO. ABV
SCALE:	

ARCHITECTS / ENGINEER'S SEAL

GENERAL NOTES

- VERIFY THE FOLLOWING WITH THE RESPECTIVE TRADES:
 A. SIZES AND LOCATIONS OF MECH AND/OR ELEC PENETRATIONS.
 B. LOCATIONS FOR BACKING/BLOCKING REQUIRED FOR MOUNTING MECH AND/OR ELEC EQUIPMENT.
 C. CUTTING AND PATCHING FOR WORK REQUIRED BY MECH AND/OR ELEC.
- FOR TYPICAL MOUNTING HEIGHTS OF TOILETS, BUILDING EQUIPMENT, AND ACCESSORIES, LOCATE PER ADA CODE AND MANUFACTURERS RECOMMENDATIONS.
- VERIFY DIMENSIONS AND CONDITIONS SHOWN ON DRAWINGS. OMISSIONS, DISCREPANCIES AND/OR CONFLICTS SHALL BE REPORTED TO ARCHITECT PRIOR TO START OF CONSTRUCTION.
- FOR CONSTRUCTION QUESTIONS AND APPROVALS, CONTACT: GENERAL MECHANICAL CORPORATION, PETER M. TYDIR, PRESIDENT, PH: (386) 255-5122

INDICATION OF MATERIALS

	GRADE		WOOD
	CONCRETE - CAST IN PLACE/PRECAST		WOOD (FINISH)
	TERRAZZO		WOOD BLOCKING OR FRAMING
	BRICK		WOOD SHIM
	STONE		PLYWOOD
	CONCRETE MASONRY UNIT		INSULATION
	TILE (CERAMIC OR QUARRY)		METAL
	PLASTER, SAND, GYPSUM BOARD, PARTICLE BOARD		ACOUSTICAL MATERIAL
	GLASS BLOCK		EXPANSION MATERIAL CARPET

LIGHT GAUGE FRAMING

- LIGHT GAUGE SHALL BE SAME DIMENSION AS CALLED ON ARCHITECTURAL DRAWINGS.
- UNLESS NOTED OTHERWISE, ALL STUDS SHALL BE EQUAL TO A MINIMUM OF 6-INCH 16GA. WITH 16GA. TRACK. C. MINIMUM YIELD STRENGTH FOR 16GA. STUDS SHALL BE 50 KSI; ALL TRACK SHALL BE 33 KSI. WIND STRAPS ARE BASED UPON THE USE OF #1000 PSI FIN FIN.
- D. ALL STUDS, TRACK BRIDGING AND ACCESSORIES SHALL BE FORMED FROM STEEL HAVING A G-60 GALVANIZED COATING MEETING THE REQUIREMENTS OF ASTM A-525.
- E. BOTH STUD FLANGES MUST BE WELDED TO TRACK AT TOP AND BOTTOM OR ATTACHED W/ #10 TEK SCREWS (MIN. 1 SCREW EACH FLANGE). ALL WELDS SHALL BE TOUCHED UP WITH ZINC RICH PAINT.
- F. STUDS SHALL HAVE FULL BEARING AGAINST INSIDE TRACK WEB PRIOR TO ATTACHMENT AT BOTH ENDS.
- G. ALL STUD TO STUD CONNECTIONS TO BE (4) #10 TEK SCREWS (MIN) UNLESS NOTED OTHERWISE.
- H. AT TRACK BUTT JOINTS, A BUTTING PIECE OF TRACK SHALL BE SECURELY ANCHORED TO A COMMON STRUCTURAL ELEMENT, OR THEY SHALL BE BUTT-WELDED OR SPICED TOGETHER.
- I. A MINIMUM OF 10" OF UN-PUNCHED STEEL IS REQUIRED AT BOTH ENDS OF STUDS.
- J. BRIDGING SHALL BE 15' CIRC PLACED THROUGH PUNCHOUTS AND WELDED ON BOTH SIDES. BRIDGING IS TO BE SPACED AT NO MORE THAN 4'-0" VERTICALLY AT APPROXIMATELY THE THIRD POINT. CIRC BRIDGING IN 6" STUDS REQUIRES A CLIP ANGLE AT EACH CONNECTION LOCATION; AN ALTERNATE BRIDGING TECHNIQUE SHALL BE 1.58x20GA. STRAPS, SCREW AT ATTACHED TO BOTH FLANGES OF EACH STUD WITH SOLID BLOCKING REQUIRED AT 8'-0" O.C. MAX AND 24" FROM BOTTOM OF PANEL.
- K. FASTENING OF COMPONENTS SHALL BE WITH SELF-TAPPING SCREWS OF SUFFICIENT SIZE, NUMBER AND SPACING TO DEVELOP CAPACITY OF CONNECTING MEMBERS IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS. WIRE TYPING OF COMPONENTS SHALL NOT BE PERMITTED.

GYPSUM PRODUCTS SPECIFICATION

- US GYPSUM BOARD SHALL BE USED FOR ALL INTERIOR WALL SHEATHING, WITH EXCEPTION OF FIRE RATED PARTITIONS.
 FOR FIRE RATED ASSEMBLIES REFER TO SHEET UL FOR APPROVED PRODUCTS TO BE USED. IF ALTERNATE MANUFACTURE IS TO BE USED THEN IT MUST BE APPROVED, IN WRITING, BY THE OWNER AND ARCHITECT WITH THE FOLLOWING INFORMATION, PROVIDED:
1. MANUFACTURE SPECIFICATIONS OF ALTERNATE SYSTEM.
 2. MANUFACTURE INSTALLATION DETAILS OF ALTERNATE SYSTEM.
 3. MANUFACTURE TEST DATA AND CRITERIA.
 4. MANUFACTURE DATA ON SOURCE OF RAW MATERIALS OF PRODUCT.
 5. RATED ASSEMBLIES.
- ** THE OWNER OR ARCHITECT IS NOT RESPONSIBLE FOR GYPSUM PRODUCTS THAT ARE NOT PROPERLY MILLED OR APPROVED.

ABBREVIATIONS

*A	AIR CONDITIONING	*G	GAUGE or GAUGE	*Q	QUARRY TILE
AC or A/C	AMERICANS WITH DISABILITIES ACT	GA	GALVANIZED	QT	
ADA	ARCHITECT/ENGINEER	GL	GENERAL CONTRACTOR	R	RISER/RADIUS
A/E	Above Finish Floor	GR	GRADE	RCP	REFLECTED CEILING PLAN
AHLJ	AIR HANDLING UNIT	GYP	GYPSUM	RD	ROOF DRAIN
ALT	ALTERNATE	GYP BD	GYPSUM BOARD	REF	REFLECTED
ALUM	ALUMINUM	GYP PLAS	GYPSUM PLASTER	REFL	REGISTERED
APPROX	APPROXIMATE	H	HANDICAP	REG	REG
ARCH	ARCHITECT	HC	HOLLOW METAL	REIN	REINFORCING
	ARCHITECTURE	HGT	HEIGHT	REQD	REQUIRED
ARCHITECTURAL	ARCHITECTURE	HMH	HOLLOW METAL DOOR	REV	REVISION
ACOUSTIC PANEL	ACOUSTICAL PANEL	HMD	HOLLOW METAL FRAME	RH	ROOM
		HVC	HEATING, VENTILATION, AIR CONDITIONING	RO	ROUGH OPENING
"B"	BITUMEN or BITUMINOUS	"I"	INSIDE DIAMETER	"S"	SOUTH
BLDG	BLOCK	ID	INSULATION	SC	SCHEDULE
BLKG	BLOCKING	INTR	INTERIOR	SECT	SECTION
BOT	BOTTOM	T	TOP OF	SHT	SHEET
BUR	BUILT-UP ROOF	T	TYPICAL	SIM	SIMILAR
"C"	CENTER TO CENTER	T	TYPICAL	SPEC	SPECIFICATION
CC,C/IC	CAST IN PLACE	T	TYPICAL	SO	SOUND
CJ	CONTROL JOINT	T	TYPICAL	SO FT	SQUARE FOOT
CJT	CEILING	T	TYPICAL	SS	STAINLESS STEEL
CLG	CEILING HEIGHT	T	TYPICAL	STC	SOUND TRANSMISSION CLASS
CLG HT	CONCRETE MANSORY UNIT	L	LAVATORY	STD	STANDARD
CMU	COLUMN	LAV	LIGHT WEIGHT	STL	STEEL
COL	CONCRETE CONTINUOUS	LT WT	MAINTENANCE	STL	STEEL
CONC	CARPET	"M"	MAINTENANCE	STRUCT	STRUCTURAL
CONT	"M"	MAS	MASONRY	SUSP	SUSPENDED
CPT	MECH	MEZ	MEZZANINE	SYM	SYMMETRICAL
	DESIGN	MFG	MANUFACTURING		
"D"	DETAIL	MFR	MANUFACTURER	"T"	TREAD
DET	DESIGN	MNR	MANUFACTURER	T	TONGUE AND GROOVE
DF	DIAMETER	MISC	MISCELLANEOUS	TEL or PH	TELEPHONE
DDN	DIAGONAL DIMENSION	MTL	METAL MULLION	TF	TOP OF FOOTING
DIA	DIA	MUL	MULLION	TF	TOP OF FINISH FLOOR
DIM	DOWN	"N"	NORTH	TJ	THICKNESS TOP OF JOINT
DN	DOWNSPOUT	N	NOT APPLICABLE	TS	TOP OF SLAB
DR	DRAWING	NIC	NOT IN CONTRACT	TST	TOP OF STEEL
DS	DRAWING	NOM	NOMINAL	TW	TOP OF WALL
DWG	DRAWING	NRS	NOISE REDUCTION COEFFICIENT	TYP	TYPICAL
"E"	EAST	NTS	NOT TO SCALE	"U"	UNFINISHED
EACH	ELECTRICAL	OD	OVERALL	UNFN	UNFINISHED
ELEC	ELEVATION	OFF	OFFICE	UON	UNLESS OTHERWISE NOTED
ELEV	ELEVATOR	OPG	OPPOSITE HAND	UNRPT	UNINTERRUPTIBLE POWER SUPPLY
EQ	EQUAL	OPH	OPPOSITE HAND	"V"	VINYL COMPOSITION TILE OR VITRIFIED CLAY TILE
EQUIP	EQUIPMENT	ORIG	ORIGINAL	VCT	VINYL WALL COVERING
EW	ELECTRICAL WATER COOLER	OWHD	OVERHEAD	"W"	WEST
EWV	EXISTING EXPANSION JOINT	OH	OVERHEAD	W	WITH
EXT	EXTERIOR	OHV	OVERHEAD	WO	WITHOUT
"F"	FLORIDA BUILDING CODE	OHV	OVERHEAD	WC	WATER CLOSET
FC	FLOOR DRAIN	ORIG	ORIGINAL	WD	WOOD WIDTH
FDC	FIRE DEPARTMENT CONNECTION	OH	OVERHEAD	WDW	WINDOW
FDV	FIRE DEPARTMENT VALVE	W	WEST	WF	WIDE FLANGE
FEC	FIRE EXTINGUISHER CABINET	WL	WOOD LAMINATE	WI	WROUGHT IRON
FHC	FIRE HOSE CABINET	PL	PLATE	WP	WORKING POINT
FIN	FINISH	PLAS	PLASTER	WWF	WELDED WIRE FABRIC
FIN FL	FINISH FLOOR	PLAS	PLASTER		
FIN GR	FINISH GRADE	PLY	PLYWOOD		
FL	FLOOR	P	PREFABRICATED		
FLR	FLOOR	PREFAB	PREFABRICATED		
FLR	FLOOR	PREFIN	PREFINISHED		
FLR	FLOOR	PRELIM	PRELIMINARY		
FOS	FACE OF CONCRETE	PREP	PREPARATION		
FOM	FACE OF MASONRY	PSF	POUNDS (LBS) PER SQUARE FOOT (FT ²)		
FOS	FACE OF STUD	P	POUNDS (LBS) PER SQUARE INCH (IN ²) PRESERVATIVE		
FRF	FIREPROOFING	PT	PAINTED		
FT	FOOT, FEET	PTD	PREPARED TO BE TREATED		
FTG	FOOTING	PVMT	PAVED PAVEMENT		
FWC	FABRIC WALL COVERING				

SYMBOLS

	DETAIL NUMBER		NUMBER
	SHEET WHERE DETAIL IS DRAWN		DOOR DESIGNATION
	DETAIL		WINDOW/LOUVER DESIGNATION
	WALL BUILDING SECTION NUMBER		CLG. TYPE
	SHEET WHERE SECTION IS DRAWN		CLG. HEIGHT
	SECTION		CEILING TAG
	ELEVATION NUMBER		ELEVATION DETAIL
	INTERIOR ELEVATION KEY		ELEVATION TAG
	SHEET WHERE ELEVATION IS DRAWN		NORTH ARROW
	INTERIOR ELEVATION		NORTH ARROW
	CONFERENCE ROOM NUMBER		NORTH ARROW
	DETAIL NUMBER		SHEET WHERE DETAIL IS DRAWN
	SHEET WHERE DETAIL IS DRAWN		AREA TO BE DETAILED OR ENLARGED
	DETAIL - ENLARGED PLAN		REVISION NUMBER
	SHEET WHERE DETAIL IS DRAWN		REVISED AREA CLOUDED
	REVISION CLOUD		WALL TYPE
	REVISION CLOUD		NOTE TAG

GENERAL

- STRUCTURAL WORK SHALL BE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 6TH EDITION (FBC 2017) AS ADOPTED AND SUPPLEMENTED BY LOCAL REGULATIONS.
- THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS AT THE SITE AND SHALL NOTIFY THE ARCHITECT OF DISCREPANCIES BETWEEN THE ACTUAL CONDITIONS AND INFORMATION SHOWN ON THE DRAWINGS BEFORE PROCEEDING WITH THE WORK.
- THE CONTRACTOR SHALL SUBMIT DRAWINGS AND SPECIFICATIONS REPRESENTING THE COMPLETE DESIGN OF THE STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION UNLESS SO STATED OR NOTED. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE WORKMEN, OR OTHER PERSONS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE BUT NOT BE LIMITED TO BRACING, SHORING FOR EARTH BANKS, FORMS, SCAFFOLDING, PLANING, SAFETY NETS, SUPPORT AND BRACING FOR CRANES AND GIN POLES.
- THE CONTRACTOR SHALL PROVIDE TEMPORARY ERECTION BRACING AND SHORING OF ALL STRUCTURAL MEMBERS AS REQUIRED FOR STRUCTURAL STABILITY OF THE STRUCTURE DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY CONDITION WHICH, IN HIS OPINION, MIGHT ENDANGER THE STABILITY OF THE STRUCTURE OR CAUSE DISTRESS IN THE STRUCTURE.
- CONSTRUCTION MATERIALS SHALL NOT BE STACKED ON FLOORS OR ROOFS IN EXCESS OF THE DESIGN LIVE LOAD WHICH ARE INDICATED IN THE GENERAL NOTES. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO INSURE THAT THE SUBCONTRACTORS ARE INFORMED AND DO NOT VIOLATE THIS IMPORTANT REQUIREMENT. IMPACT SHALL BE AVOIDED WHEN PLACING MATERIALS ON FLOORS AND ROOFS.
- PLANS, SECTIONS AND DETAILS ARE NOT TO BE SCALED FOR DETERMINATION OF QUANTITIES, LENGTHS, OR FIT OF MATERIALS.
- THE CONTRACTOR SHALL SUBMIT CONSTRUCTION JOINT LOCATIONS TO THE STRUCTURAL ENGINEER FOR APPROVAL. CONSTRUCTION JOINTS EXPOSED TO EARTH OR WEATHER SHALL BE WATERPROOFED PER THE SPECIFICATIONS.
- SEE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR MISCELLANEOUS STEEL ITEMS NOT SHOWN HEREON.
- COORDINATE SIZES AND LOCATIONS OF OPENINGS IN FLOORS AND ROOF WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL REQUIREMENTS.
- FOR ACTUAL ELEVATION OF FIRST FLOOR EL. 12'-0". SEE CIVIL ENGINEERS DRAWINGS.
- SUBMIT WRITTEN REQUEST TO THE ARCHITECT FOR APPROVAL OF ANY PROPOSED CHANGE TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. SPlicing, CUTTING, NOTCHING OR OTHER ALTERNATIONS TO STRUCTURAL MEMBERS ARE NOT PERMITTED WITHOUT WRITTEN AUTHORIZATION OF THE STRUCTURAL ENGINEER. ANY UNAUTHORIZED DEVIATION FROM THE CONTRACT DOCUMENTS, AND CORRECTION THEREOF, IS THE RESPONSIBILITY OF THE CONTRACTOR.
- THE MOST STRINGENT REQUIREMENTS APPLY IN CASE OF CONFLICT BETWEEN SPECIFICATIONS, STANDARDS, CODES AND DRAWINGS.
- DESIGN DATA
 1. ROOF LIVE LOADS 20 PSF
 2. ROOF DEAD LOAD 2.5 PSF + FRAME
 3. COLLATERAL LOAD 5 PSF
 4. WIND VELOCITY 137 MPH
 5. FRAME REACTIONS

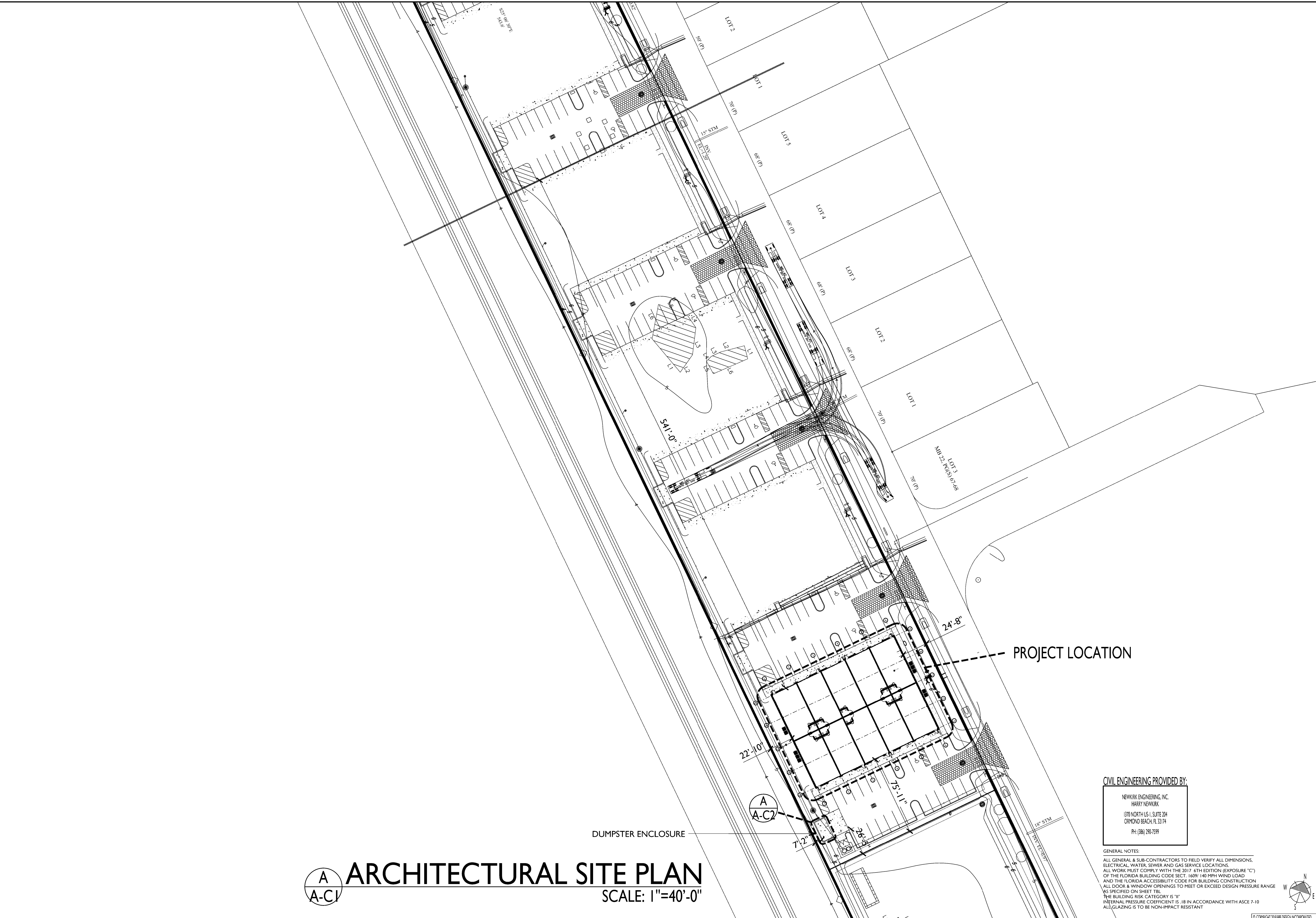
FOUNDATIONS

- FOUNDATION DESIGN IS BASED ON AN ALLOWABLE BEARING PRESSURE OF 2000 PSF AS RECOMMENDED IN THE FOUNDATION INVESTIGATION TO BE OBTAINED BY OWNERS TESTING & ENGINEERING FIRM FOR THE SPECIFIC SITE.
- ALL REQUIREMENTS FOR SITE PREP AND SOIL COMPACTION SPECIFIED IN THE SOILS REPORT SHALL BE FOLLOWED. ADDITIONAL MORE STRINGENT REQUIREMENTS ARE SPECIFIED. NOTIFY ARCHITECT IF FOUNDATION CONDITIONS ENCOUNTERED DIFFER FROM SOILS EXPLORATION INFORMATION MADE AVAILABLE TO THE CONTRACTOR.
- EARTHWORK SHALL BE PERFORMED UNDER THE SUPERVISION OF A LICENSED SOIL TESTING COMPANY TO ASSURE COMPLIANCE WITH REQUIREMENTS OF THE SOILS REPORT AND SPECIFICATIONS.
- ALL FOOTINGS SHALL BE CENTERED UNDER THE COLUMN OR WALL ABOVE UNLESS NOTED OTHERWISE.
- BACKFILL AGAINST A WALL SHALL BE PLACED EVENLY ON BOTH SIDES OF THE WALL UNLESS THE WALL IS FULLY BRACED BY THE CONTRACTOR FOR LATERAL PRESSURE. SUCH BRACING INCLUDING ITS DESIGN IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR & SHALL REMAIN IN PLACE UNTIL AFTER THE FLOOR SLAB OR OTHER STRUCTURAL ELEMENT BRACING THE WALL HAS BEEN CONSTRUCTED TO THE SATISFACTION OF THE ARCHITECT.

CAST IN PLACE CONCRETE

- ALL CONCRETE SHALL HAVE THE FOLLOWING MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS:
 SLAB ON GRADE, FOOTINGS, STAIR LANDING 3000 PSI
 B. ALL CONCRETE SHALL HAVE A SLUMP OF +1 OR MINUS 1", AND HAVE 2 TO 4% AIR ENTRAINMENT, AND A MAXIMUM WATER/CEMENT RATIO OF 0.58
- CONCRETE MIX DESIGN SHALL BE IN ACCORDANCE WITH ACI 318-14.
- ALL REINFORCING SHALL BE NEW DOMESTIC DEFORMED BULLET STEEL CONFORMING TO ASTM A-615 GRADE 60.
- WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185. WAVE SHALL BE LAPPED AT LEAST 6" AND CONTAIN AT LEAST ONE CROSS WIRE WITHIN THE 6".
- CONCRETE REINFORCING FIBERS BY FBREMER OR GRACE ONLY NO SUBSTITUTION.
- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE ACI 318-14.
- ALL REINFORCING DETAILS SHALL CONFORM TO "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" ACI 315 LATEST EDITION, UNLESS DETAILED OTHERWISE ON THE STRUCTURAL DRAWINGS.
- CONTRACTOR SHALL REVIEW ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SIZE AND LOCATION OF EMBEDDED ITEMS, SLEEVES, SLAB DEPRESSIONS, SLICES, ETC. REQUIRED BY OTHER TRADES. THESE ITEMS SHALL BE FURNISHED AND INSTALLED PRIOR TO PLACEMENT OF CONCRETE.
- CONTRACTOR SHALL VERIFY LOCATIONS OF OPENINGS, SLEEVES, ANCHOR BOLTS, INSERTS, ETC., AS REQUIRED BY OTHER TRADES BEFORE CONCRETE IS PLACED.
- WHERE BAR LENGTHS ARE GIVEN ON THE DRAWINGS, THE LENGTH OF ANY HOOK, IF REQUIRED, IS NOT INCLUDED. HOOKS SHALL BE PROVIDED AT DISCONTINUOUS ENDS OF ALL TOP BARS OF BEAMS AND SLABS EDGES.
- CONTRACTOR SHALL PROVIDE SPACERS, CHAIRS, BOLSTERS, ETC. NECESSARY TO SUPPORT REINFORCING STEEL. SUPPORT ITEMS WHICH BEAR ON EXPOSED CONCRETE SURFACES SHALL HAVE ENDS WHICH ARE PLASTIC TIPPED OR STAINLESS STEEL.
- CONTRACTOR SHALL PROVIDE 1 INCH CHAMFER ON ALL EXPOSED CORNERS OF COLUMNS, BEAMS, AND WALLS UNLESS OTHERWISE INDICATED ON THE ARCHITECTURAL DRAWINGS.
- THE FOLLOWING MINIMUM CONCRETE COVER TO BE PROVIDED FOR REINFORCEMENT:
 3" CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH.
 2" CONCRETE EXPOSED TO EARTH OR WEATHER, #6 THROUGH #18 BARS.
 1 1/2" CONCRETE EXPOSED TO EARTH OR WEATHER, #5 BAR AND SMALLER.
 1 1/2" CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH EARTH FOR THE PRIMARY REINFORCEMENT. TIES, STIRRUPS, AND SPIRALS IN BEAMS AND COLUMNS.
 3/4" CONCRETE NOT EXPOSED TO WEATHER NOR IN CONTACT WITH EARTH FOR SLABS, WALLS, AND JOISTS, #11 BAR AND SMALLER.
- HORIZONTAL FOOTING BARS SHALL BE BENT 1-1/2" AROUND CORNERS OR CORNER BARS WITH 7'-0" LAP SHALL BE PROVIDED.
- HORIZONTAL KEYWAYS IN CONSTRUCTION JOINTS SHALL BE PROVIDED IN BEAMS, SUPPORTED SLABS, AND WALL FOOTINGS WITH A DEPTH OF 1-1/2" AND HEIGHT EQUAL TO ONE-THIRD OF THE MEMBERS DEPTH. REINFORCEMENT SHALL BE CONTINUOUS THROUGH CONSTRUCTION JOINTS UNLESS OTHERWISE NOTED ON THE DRAWINGS. CONSTRUCTION JOINTS MAY BE USED ONLY AT LOCATIONS SHOWN ON THE DRAWINGS OR AT OTHER LOCATIONS APPROVED BY THE ARCHITECT.
- CONTRACTOR SHALL KEEP A COPY OF "FIELD REFERENCE MANUAL" (ACI PUBLICATION SP-15, LATEST EDITION) AT THE PROJECT FIELD OFFICE.
- MINIMUM LAP SPICES ON ALL REINFORCING BAR SPICES SHALL BE 25 BAR DIAMETERS TYP. EXCEPT WHERE OTHERWISE NOTED ON THE DRAWINGS. FOR BEAMS & ELEVATED SLABS, LAP BOTTOM STEEL AT THE SUPPORT & TOP STEEL OVER THE MIDSPAN UNLESS OTHERWISE NOTED.
- TESTING LABORATORY SHALL SUBMIT ONE COPY OF ALL CONCRETE TEST REPORTS DIRECTLY TO THE ENGINEER.

GENERAL NOTES:
 ALL GENERAL & SUB-CONTRACTORS TO FIELD VERIFY ALL DIMENSIONS, ELECTRICAL, WATER, SEWER AND GAS SERVICE LOCATIONS.
 ALL WORK MUST COMPLY WITH THE 2017 6TH EDITION (EXPOSURE 'C') OF THE FLORIDA BUILDING CODE SECT. 1609/ 140 MPH WIND LOAD AND THE FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION ALL DOOR & WINDOW OPENINGS TO MEET OR EXCEED DESIGN PRESSURE RANGE AS SPECIFIED ON SHEET TBL
 THE BUILDING RISK CATEGORY IS '1'
 INTERNAL PRESSURE COEFFICIENT IS .18 IN ACCORDANCE WITH ASCE 7-10
 ALL GLAZING IS TO BE NON-IMPACT RESISTANT



A
A-C1

ARCHITECTURAL SITE PLAN

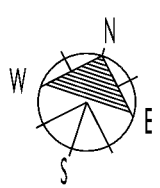
SCALE: 1"=40'-0"

DUMPSTER ENCLOSURE

PROJECT LOCATION

CIVIL ENGINEERING PROVIDED BY:
 NEWKIRK ENGINEERING, INC.
 HARRY NEWKIRK
 1370 NORTH US-1, SUITE 204
 ORMOND BEACH, FL 32174
 PH: (386) 290-7599

GENERAL NOTES:
 ALL GENERAL & SUB-CONTRACTORS TO FIELD VERIFY ALL DIMENSIONS.
 ELECTRICAL, WATER, SEWER AND GAS SERVICE LOCATIONS.
 ALL WORK MUST COMPLY WITH THE 2017 6TH EDITION (EXPOSURE "C")
 OF THE FLORIDA BUILDING CODE SECT. 1609/ 140 MPH WIND LOAD
 AND THE FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION
 ALL DOOR & WINDOW OPENINGS TO MEET OR EXCEED DESIGN PRESSURE RANGE
 AS SPECIFIED ON SHEET TBL
 THE BUILDING RISK CATEGORY IS "I"
 INTERNAL PRESSURE COEFFICIENT IS .18 IN ACCORDANCE WITH ASCE 7-10
 ALL GLAZING IS TO BE NON-IMPACT RESISTANT



REVISIONS

PARQUE DRIVE BUSINESS PARK - BUILDING I

OWNER/DEVELOPER: PETER TYDIR, OWNER, TYDIR, LLC, 418 N SEGRAVE STREET, SUITE B, DAYTONA BEACH, FL 32114
 PROJECT LOCATION: 200 PARQUE DRIVE, BUILDING I, HOLLY HILL, FL, 32117
 GENERAL CONTRACTOR: GENERAL MECHANICAL CORPORATION, PETER M. TYDIR, PRESIDENT, CGCAS756, 418 N. SEGRAVE ST., SUITE B, DAYTONA BEACH, FL, 32114,
 PH: (386) 255-5722 FX: (386) 258-8974

BPF

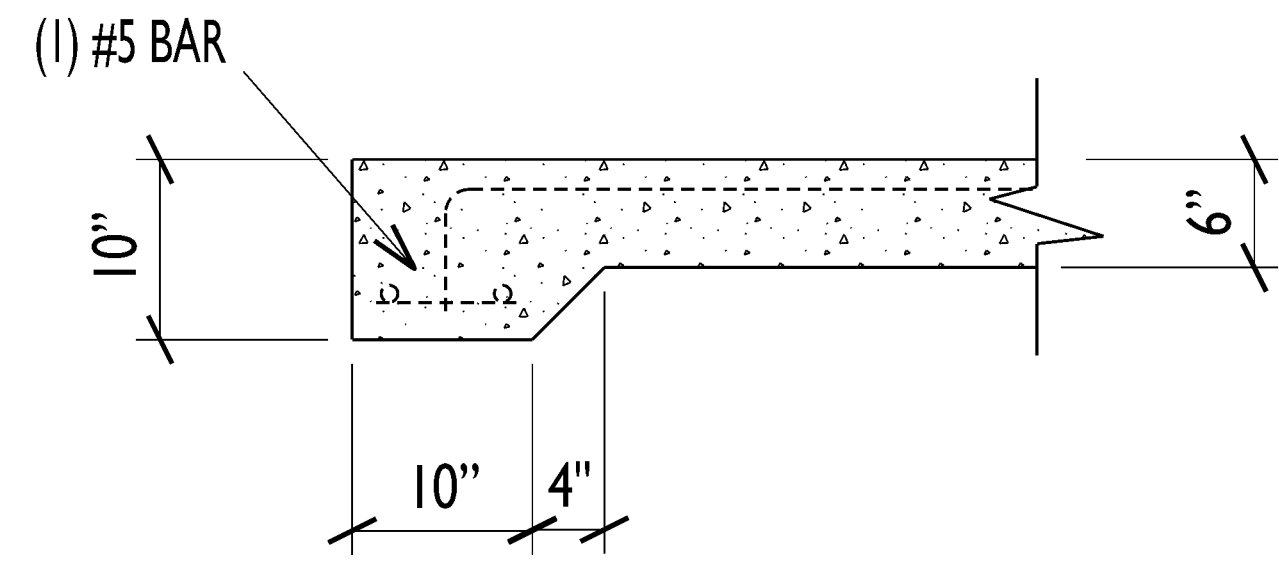
DESIGN INCORPORATED

ARCHITECTURE, DESIGN, & DRAWING SERVICES
 BRIAN P. FREDLEY, ASSOC. AIA, PROJECT MANAGER
 # AA 2601108
 DALLAS B. PEACOCK, AIA, ARCHITECT
 # AR 0009706
 207 FAIRVIEW AVENUE, DAYTONA BEACH, FL 32114
 PH: (386) 257-0502 FX: (386) 257-1050
 E-MAIL: bfredley@bpfdesign.com WEBSITE: bpfdesign.com

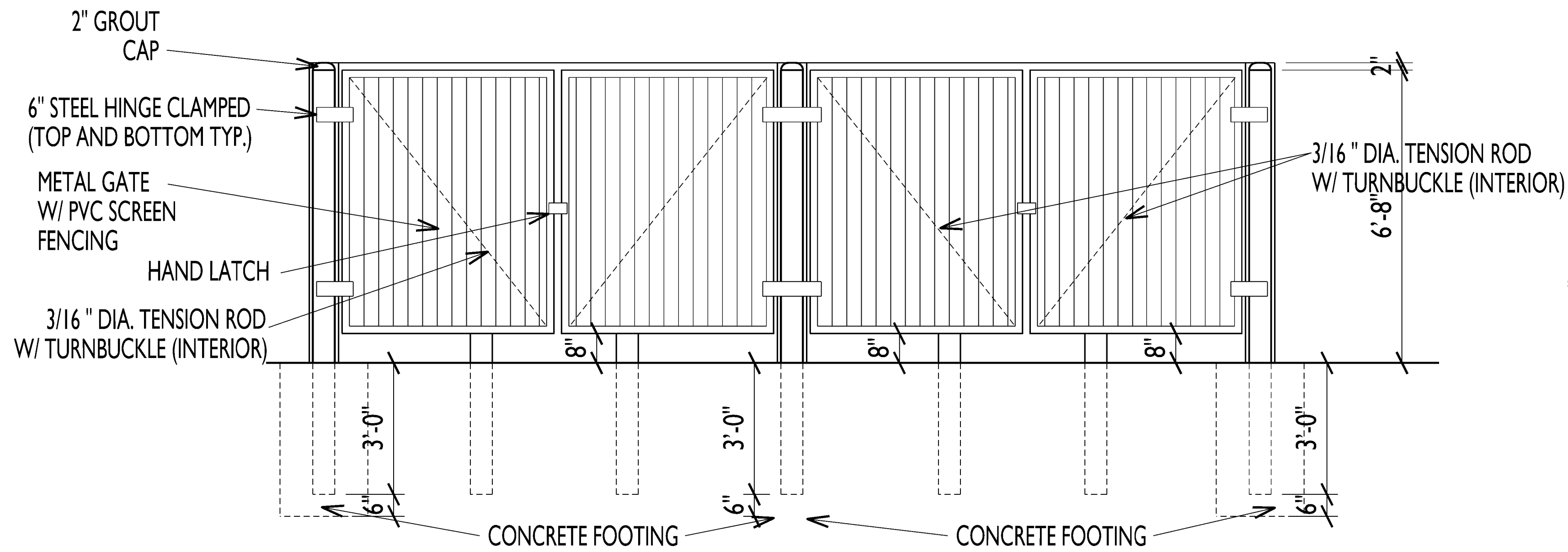
ARCHITECTURAL SITE PLAN

DRAWN BY: TEP & BM	CHECKED BY: DRP & BPF
DATE: NOVEMBER 13, 2018	SHT NO. A-C1
SCALE: 1" = 40'-0"	

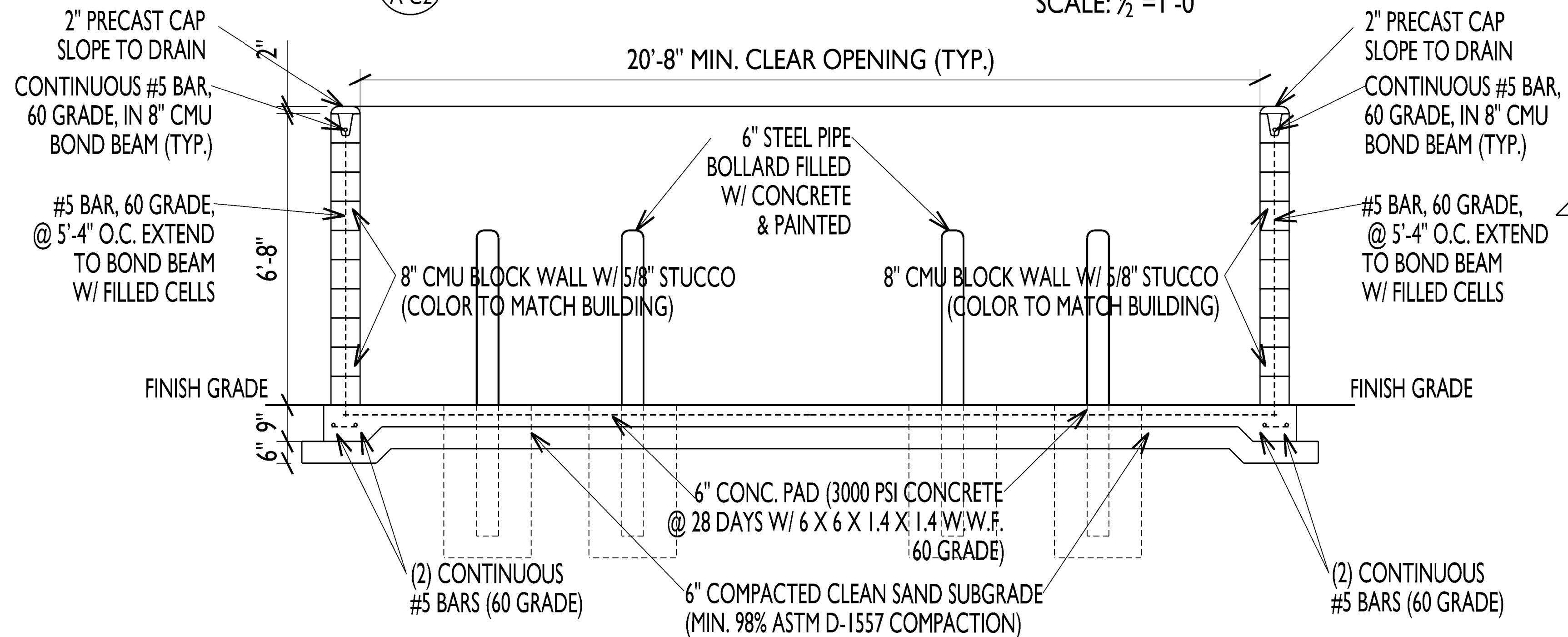
ARCHITECT'S / ENGINEER'S SEAL



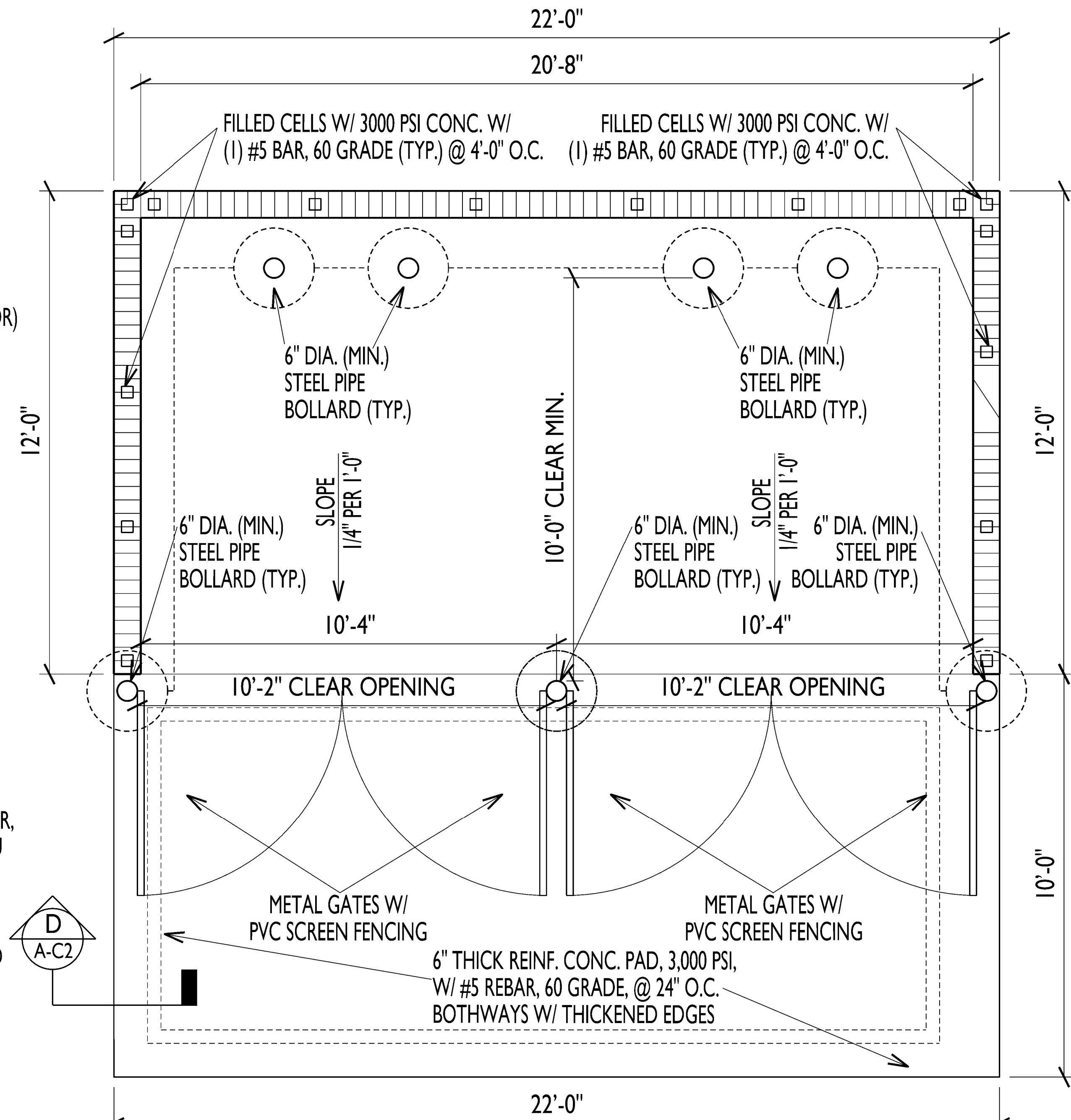
(D) TURN DOWN DETAIL
ON ALL (4) SIDES OF PAD SCALE: N.T.S.



(C) DUMPSTER ENCLOSURE SECTION
SCALE: 1/2"=1'-0"



(B) DUMPSTER ENCLOSURE SECTION
SCALE: 1/2"=1'-0"



(A) DUMPSTER ENCLOSURE PLAN
EXT. WALLS TO BE 5/8" THICK STUCCO FINISHED & PAINTED TO MATCH BUILDING EXT. COLOR SCALE: 1/2"=1'-0"

DUMPSTER ENCLOSURE TO BE SUBMITTED FOR APPROVAL UNDER SEPARATE PERMIT

GENERAL NOTES:
ALL GENERAL & SUB-CONTRACTORS TO FIELD VERIFY ALL DIMENSIONS.
ELECTRICAL, WATER, SEWER AND GAS SERVICE LOCATIONS.
ALL WORK MUST COMPLY WITH THE 2017 6TH EDITION (EXPOSURE "C") OF THE FLORIDA BUILDING CODE SECT. 1609/ 140 MPH WIND LOAD AND THE FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION.
ALL DOOR & WINDOW OPENINGS TO MEET OR EXCEED DESIGN PRESSURE RANGE AS SPECIFIED ON SHEET TBL.
THE BUILDING RISK CATEGORY IS "1"
INTERNAL PRESSURE COEFFICIENT IS .18 IN ACCORDANCE WITH ASCE 7-10
ALL GLAZING IS TO BE NON-IMPACT RESISTANT

REVISIONS	

PARQUE DRIVE BUSINESS PARK - BUILDING I
OWNER/DEVELOPER: PETER TYDIR, OWNER, TYDIR, LLC, 418 N SEGRAVE STREET, SUITE B, DAYTONA BEACH, FL 32114
PROJECT LOCATION: 200 PARQUE DRIVE, BUILDING I, HOLLY HILL, FL 32117
GENERAL CONTRACTOR: GENERAL MECHANICAL CORPORATION, PETER M. TYDIR, PRESIDENT, CGCAS7756, 418 N. SEGRAVE ST., SUITE B, DAYTONA BEACH, FL 32114, PH: (386) 255-5222, FX: (386) 258-8974

BPF
DESIGN INCORPORATED
ARCHITECTURE, DESIGN, & DRAWING SERVICES
BRIAN P. FREDLEY, ASSOC. AIA, PROJECT MANAGER
#AA 26001108
DALLAS B. PEACOCK, AIA, ARCHITECT
#AR 0009706
207 FAIRVIEW AVENUE, DAYTONA BEACH, FL 32114
PH: (386) 257-0502, FX: (386) 257-1050
E-MAIL: bfredley@bpfdesign.com WEBSITE: bpfdesign.com

DUMPSTER DETAILS	
DRAWN BY: TBM & BFM	CHECKED BY: DRP & BPF
DATE: NOVEMBER 13, 2018	SHT NO. A-C2
SCALE: 1/2"=1'-0"	

ARCHITECTS / ENGINEER'S SEAL

GENERAL

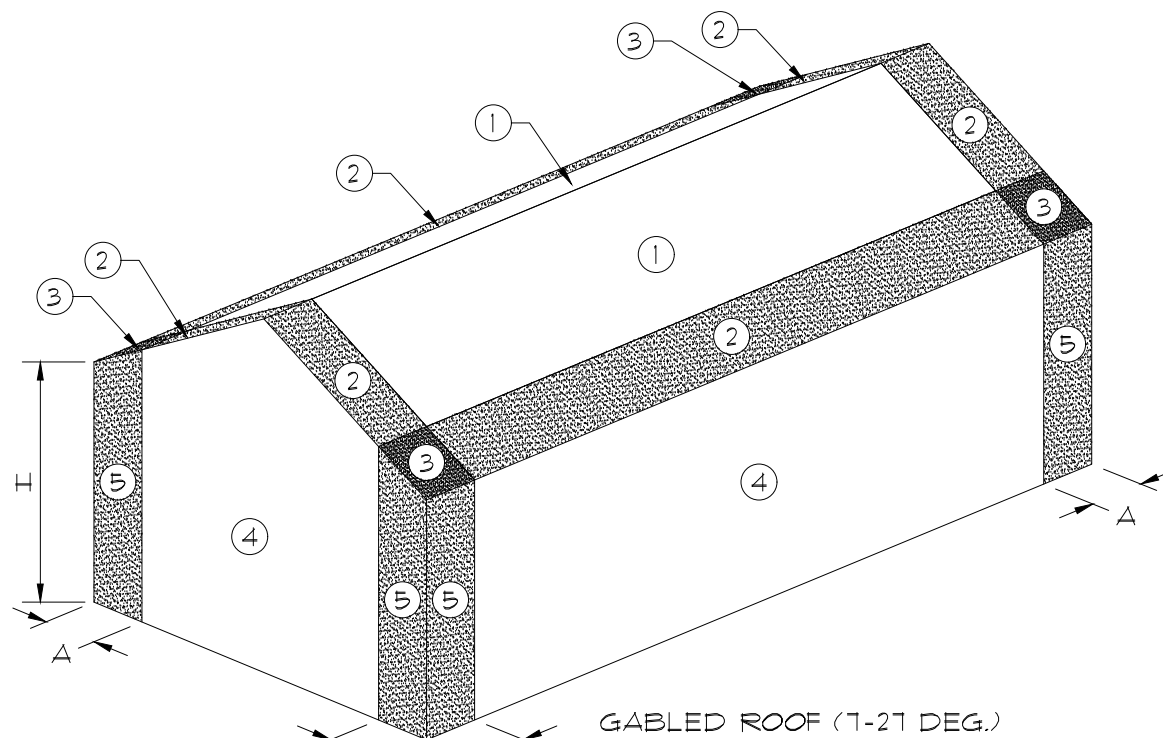
- STRUCTURAL WORK SHALL BE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, 6TH EDITION (2017), AS ADOPTED AND SUPPLEMENTED BY LOCAL REGULATIONS.
- THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS AT THE SITE AND SHALL NOTIFY THE ARCHITECT OF DISCREPANCIES BETWEEN THE ACTUAL CONDITIONS AND INFORMATION SHOWN ON THE DRAWINGS BEFORE PROCEEDING WITH THE WORK.
- THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE COMPLETE DESIGN OF THE STRUCTURE. THEY DO NOT INDICATE THE METHODS OF CONSTRUCTION UNLESS SO STATED OR NOTED. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE WORKMEN OR OTHER PERSONS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING FOR EARTH BANKS, FORMS, SCAFFOLDING, PLANKING, SAFETY NETS, SUPPORT AND BRACING FOR CRANES AND GIN POLES.
- THE CONTRACTOR SHALL PROVIDE TEMPORARY ERECTION BRACING AND SHORING OF ALL STRUCTURAL MEMBERS AS REQUIRED FOR STRUCTURAL STABILITY OF THE STRUCTURE DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY CONDITION WHICH, IN HIS OPINION, MIGHT ENDANGER THE STABILITY OF THE STRUCTURE OR CAUSE DISTRESS IN THE STRUCTURE.
- CONSTRUCTION MATERIALS SHALL NOT BE STACKED ON FLOORS OR ROOFS IN EXCESS OF THE DESIGN LIVE LOADS WHICH ARE INDICATED IN THE GENERAL NOTES. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO INSURE THAT THE SUBCONTRACTORS ARE INFORMED AND DO NOT VIOLATE THIS IMPORTANT REQUIREMENT. IMPACT SHALL BE AVOIDED WHEN PLACING MATERIALS ON FLOORS OR ROOFS.
- PLANS, SECTIONS AND DETAILS ARE NOT TO BE SCALED FOR DETERMINATION OF QUANTITIES, LENGTHS OR FIT OF MATERIALS.
- THE CONTRACTOR SHALL SUBMIT CONSTRUCTION JOINT LOCATIONS TO THE STRUCTURAL ENGINEER FOR APPROVAL. CONSTRUCTION JOINTS EXPOSED TO EARTH OR WEATHER SHALL BE WATERPROOFED PER THE SPECIFICATIONS.
- SEE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR MISCELLANEOUS STEEL ITEMS NOT SHOWN HEREIN.
- COORDINATE SIZES AND LOCATIONS OF OPENINGS IN FLOORS AND ROOF WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL REQUIREMENTS.
- FOR ACTUAL ELEVATION OF FIRST FLOOR EL. 100'-0", SEE SITE PLAN.
- SUBMIT WRITTEN REQUEST TO THE ARCHITECT FOR APPROVAL OF ANY PROPOSED CHANGE TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. SPLICING, CUTTING, NOTCHING OR OTHER ALTERATIONS TO STRUCTURAL MEMBERS ARE NOT PERMITTED WITHOUT WRITTEN AUTHORIZATION OF THE STRUCTURAL ENGINEER. ANY UNAUTHORIZED DEVIATION FROM THE CONTRACT DOCUMENTS, AND CORRECTION THEREOF, IS THE RESPONSIBILITY OF THE CONTRACTOR.
- THE MOST STRINGENT REQUIREMENTS APPLY IN CASE OF CONFLICT BETWEEN SPECIFICATIONS, STANDARDS, CODES AND DRAWINGS.

DESIGN

- DESIGN DATA
 - PEMB ROOF DEAD LOAD SELF WEIGHT
 - COLLATERAL LOAD 5 PSF
 - PEMB ROOF LIVE LOAD 20 PSF
 - FRAME REACTIONS (PROVIDED BY PEMB MANUF.)
 - SLAB LIVE LOAD (SEE FOUNDATION PLAN 8-21)
- WIND LOADS
 THIS STRUCTURE HAS BEEN DESIGNED FOR WIND LOADS IN ACCORDANCE WITH CHAPTER 16 OF THE FLORIDA BUILDING CODE, 6TH EDITION (2017) AND ASCE-7, AS FOLLOWS:
 RISK CATEGORY CATEGORY II
 ULTIMATE DESIGN WIND SPEED 140 MPH (3-SECOND Gust)
 NOMINAL DESIGN WIND SPEED 108 MPH
 EXPOSURE CATEGORY C
 BUILDING CLASSIFICATION ENCLOSED
 INT. PRESSURE COEFF. (+/-) 0.18

THIS STRUCTURE (RISK CATEGORY II AND LANDWARD OF THE CONTOUR LINE) IS NOT IN A WIND-BORNE DEBRIS REGION

- C. NOMINAL DESIGN WIND PRESSURES (COMPONENTS & CLADDING):



- A = 6'-8"
H = 16'-8"
- PRESSURES SHOWN ARE APPLIED NORMAL TO THE SURFACE.
- PLUS AND MINUS SIGNS SIGNIFY PRESSURE ACTING TOWARDS AND AWAY FROM THE SURFACE, RESPECTIVELY.
- FOR EFFECTIVE WIND AREAS BETWEEN THOSE GIVEN, VALUE MAY BE INTERPOLATED, OTHERWISE USE THE VALUE ASSOCIATED WITH THE LOWER EFFECTIVE WIND AREA.

EFFECTIVE AREA (SF)	DESIGN WIND PRESSURES (PSF): COMPONENTS AND CLADDING FOR NOMINAL WIND SPEED (ASD)				
	ROOF			WALLS	
	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5
0 TO 19.99	10.7 / -26.2	10.7 / -44.0	10.7 / -66.2	24.0 / -26.0	24.0 / -32.0
20 TO 49.99	10.0 / -25.5	10.0 / -39.3	10.0 / -54.8	22.9 / -24.9	22.9 / -29.9
50 TO 99.99	10.0 / -24.7	10.0 / -33.1	10.0 / -39.8	21.5 / -23.5	21.5 / -27.0
100 AND OVER	10.0 / -24.0	10.0 / -28.4	10.0 / -28.4	20.5 / -22.5	20.5 / -24.9

FOUNDATIONS

THESE PARAMETERS HAVE BEEN ASSUMED FOR THIS SITE AND SHOULD BE VERIFIED BY A GEOTECHNICAL INVESTIGATION TO BE OBTAINED BY THE OWNER.

- ALLOWABLE SOIL BEARING PRESSURE 2000 PSF
 MODULUS OF SUB-GRADE, 'K' 150 PCL
- ANY FILL REQUIRED TO BACKFILL EXCAVATED AREA OR ACHIEVE FINISHED GRADE IN STRUCTURAL AREAS SHALL BE INORGANIC, NON-PLASTIC GRANULAR SOIL (CLEAN SANDS). THE FILL SHALL BE PLACED IN LEVEL LIFTS NOT TO EXCEED 12 INCHES LOOSE THICKNESS, AND COMPACTED TO A MINIMUM OF 95% OF THE SOIL'S MODIFIED PROCTOR MAXIMUM DRY DENSITY AS DETERMINED BY ASTM SPECIFICATION D-1557. IN-PLACE DENSITY TESTS SHALL BE PERFORMED ON EACH LIFT BY AN EXPERIENCED ENGINEERING TECHNICIAN TO VERIFY THAT THE REQUIRED DEGREE OF COMPACTION HAS BEEN ACHIEVED. A SOIL COMPACTION TEST SHALL BE PERFORMED IN EVERY SPREAD FOOTING PAD SUB-GRADE.
 - CAUTION SHOULD BE USED WHEN OPERATING VIBRATORY COMPACTION EQUIPMENT NEAR THE EXISTING STRUCTURE TO AVOID THE RISK OF DAMAGE TO THE STRUCTURE.
 - SOIL PRESSURES IMPOSED ON FINAL PREPARED FOUNDATION STRATA SHALL NOT EXCEED SPECIFIED ALLOWABLE, INCLUDING ALL SPECIFIED DEAD AND LIVE LOADS.
 - REMOVE FREE WATER FROM EXCAVATIONS BEFORE PLACING CONCRETE.
 - ALL FOOTINGS SHALL BE CENTERED UNDER THE COLUMN OR WALL ABOVE, UNLESS NOTED OTHERWISE.
 - BACKFILL AGAINST A WALL SHALL BE PLACED EVENLY ON BOTH SIDES OF THE WALL, UNLESS THE WALL IS FULLY BRACED BY THE CONTRACTOR FOR LATERAL PRESSURE. SUCH BRACING, INCLUDING ITS DESIGN, IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL REMAIN IN PLACE UNTIL AFTER THE FLOOR SLAB OR OTHER STRUCTURAL ELEMENT BRACING THE WALL HAS BEEN CONSTRUCTED TO THE SATISFACTION OF THE ARCHITECT.
 - ALL REQUIREMENTS FOR SITE PREP AND SOIL COMPACTION SPECIFIED IN THE SOILS REPORT SHALL BE FOLLOWED, UNLESS ADDITIONAL, MORE STRINGENT REQUIREMENTS ARE SPECIFIED. NOTIFY ARCHITECT IF FOUNDATION CONDITIONS ENCOUNTERED DIFFER FROM SOILS EXPLORATION INFORMATION MADE AVAILABLE TO THE CONTRACTOR.

EPOXY GROUT ANCHORS

- ANCHORING ADHESIVE SHALL BE A TWO-COMPONENT SOLID EPOXY-BASED SYSTEM SUPPLIED IN MANUFACTURER'S STANDARD SIDE-BY-SIDE CARTRIDGE, AND DISPENSED THROUGH A STATIC MIXING NOZZLE SUPPLIED BY THE MANUFACTURER.
- ADHESIVE SHALL BE 'EPOXY-TIE SET' FROM SIMPSON STRONG-TIE. ANCHORS SHALL BE INSTALLED PER SIMPSON STRONG-TIE INSTRUCTIONS FOR 'EPOXY-TIE SET'.

PRE-ENGINEERED METAL BUILDING

- PRE-ENGINEERED METAL BUILDING MANUFACTURER SHALL PROVIDE SHOP DRAWINGS IN A TIMELY MANNER PRIOR TO FABRICATION TO VERIFY LOADS USED FOR FOUNDATION DESIGN. ALL SHOP DRAWINGS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA AND IN THE EMPLOY OF THE METAL BUILDING MANUFACTURER. ALL WORK SHALL BE IN ACCORDANCE WITH THE STANDARDS OF THE METAL BUILDING MANUFACTURERS' INSTITUTE.
- PRE-ENGINEERED METAL BUILDING MANUFACTURER SHALL DESIGN AND FURNISH ALL FRAMING, TYPICALLY, UNLESS SPECIFICALLY STATED ON THE STRUCTURAL DRAWINGS OTHERWISE.
- FOUNDATION DESIGN AS SHOWN ON STRUCTURAL DRAWINGS IS PRELIMINARY. FENDING RECEIPT AND REVIEW OF SIGNED & SEALED METAL BUILDING CONSTRUCTION DRAWINGS.
- PRE-ENGINEERED METAL BUILDING MANUFACTURER SHALL COORDINATE ROOF OPENING, ROOF TOP UNITS AND ANY HUNG LOADS WITH OTHER TRADES SO A PROPER FRAMING CAN BE DESIGNED AND FURNISHED BY PRE-ENGINEERED MANUF.
- PRE-ENGINEERED METAL BUILDING MANUFACTURER SHALL REFER TO PROJECT SPECIFICATION FOR INFO, NOT SHOWN.

CAST-IN-PLACE CONCRETE

- ALL CONCRETE SHALL HAVE THE FOLLOWING MINIMUM COMPRESSIVE STRENGTH AT (28) DAYS:
 - SLAB ON GRADE, FOOTINGS, ELEVATED SLAB 3000 PSI
- CAST-IN-PLACE CONCRETE SHALL MEET THE FOLLOWING MATERIAL REQUIREMENTS:
 - CEMENT: USE DOMESTIC PORTLAND CEMENT
 - FINE AGGREGATE: CLEAN SAND
 - COARSE AGGREGATE: CLEAN LIME STONE, SIZE #1, EXCEPT FOR FILL CELLS, WHICH SHALL BE SIZE #
 - NO CALCIUM CHLORIDE SHALL BE USED.
- ALL CONCRETE SHALL HAVE A SLUMP OF 4", PLUS OR MINUS 1", AND HAVE 2% TO 4% AIR ENTRAINMENT, AND A MAXIMUM WATER/CEMENT RATIO OF 0.58.
- CONCRETE MIX DESIGN SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ACI 301, CHAPTER 3 METHOD 1 OR METHOD 2. SUBMIT BACKUP DATA AS REQUIRE BY CHAPTER 5, SECTION 53 OF THE LATEST EDITION OF ACI 318.
- ALL REINFORCING STEEL SHALL BE NEW DOMESTIC DEFORMED BILLET STEEL, CONFORMING TO ASTM A-615 GRADE 60.
- WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185. W.W.F. SHALL BE LAPPED AT LEAST 8" AND CONTAIN AT LEAST (1) CROSS WIRE WITHIN THE 8".
- FIBER-REINFORCED CONCRETE IS AN ACCEPTABLE ALTERNATIVE TO WELDED WIRE FABRIC. REINFORCED CONCRETE FIBERS SHALL BE 100% VIRGIN POLYPROPYLENE FIBRILLATED FIBERS, AS MANUFACTURED BY FIBERMESH CO. (NO SUBSTITUTION PERMITTED), APPLIED AT THE RATE OF 3.0 LBS. PER CY.
- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE¹, ACI 318 LATEST EDITION, AND 'SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS', ACI 301.
- ALL REINFORCING DETAILS SHALL CONFORM TO 'MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES', ACI 315 LATEST EDITION, UNLESS DETAILED OTHERWISE ON THE STRUCTURAL DRAWINGS.
- CONTRACTOR SHALL REVIEW ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SIZE AND LOCATION OF EMBEDDED ITEMS, SLEEVES, SLAB DEPRESSIONS, SLOPES, ETC., AS REQUIRED BY OTHER TRADES. THESE ITEMS SHALL BE FURNISHED AND INSTALLED PRIOR TO PLACEMENT OF CONCRETE.
- WHERE BAR LENGTHS ARE GIVEN ON THE DRAWINGS, THE LENGTH OF ANY HOOK, IF REQUIRED, IS NOT INCLUDED. HOOKS SHALL BE PROVIDED AT DISCONTINUOUS ENDS OF ALL TOP BARS OF BEAMS AND AT SLAB EDGES, UNO.
- CONTRACTOR SHALL PROVIDE SPACERS, CHAIRS, BOLSTERS, ETC. NECESSARY TO SUPPORT REINFORCING STEEL. SUPPORT ITEMS WHICH BEAR ON EXPOSED CONCRETE SURFACES SHALL HAVE ENDS WHICH ARE PLASTIC-TIPPED OR STAINLESS STEEL.
- CONTRACTOR SHALL PROVIDE 3/4" CHAMFER ON ALL EXPOSED CORNERS OF COLUMNS, BEAMS AND WALLS, UNLESS OTHERWISE INDICATED ON THE ARCHITECTURAL DRAWINGS.
- THE FOLLOWING MINIMUM CONCRETE COVER IS TO BE PROVIDED FOR REINFORCEMENT:
 - CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH.
 - CONCRETE EXPOSED TO EARTH OR WEATHER: #5 THROUGH #8 BARS.
 - CONCRETE EXPOSED TO EARTH OR WEATHER: #5 BAR AND SMALLER.
 - CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH EARTH FOR THE PRIMARY REINFORCEMENT, TIES, STIRRUPS AND SPIRALS IN BEAMS AND COLUMNS.
 - CONCRETE NOT EXPOSED TO WEATHER NOR IN CONTACT WITH EARTH FOR SLABS, WALLS AND JOISTS: #1 BAR AND SMALLER.
 - HORIZONTAL FOOTING BARS SHALL BE BENT 1'-0" AROUND CORNERS OR CORNER BARS WITH 2'-0" LAP SHALL BE PROVIDED.
 - HORIZONTAL KEYWAYS IN CONSTRUCTION JOINTS SHALL BE PROVIDED IN BEAMS, SUPPORTED SLABS AND WALL FOOTINGS WITH A DEPTH OF 1 1/2" AND HEIGHT EQUAL TO ONE THIRD OF THE MEMBER'S DEPTH. REINFORCEMENT SHALL BE CONTINUOUS THROUGH CONSTRUCTION JOINTS UNLESS OTHERWISE NOTED ON DRAWINGS. CONSTRUCTION JOINTS MAY BE USED ONLY AT LOCATIONS SHOWN ON THE DRAWINGS OR AT OTHER LOCATIONS APPROVED BY THE ARCHITECT.
 - MINIMUM LAP SPLICES ON ALL REINFORCING BAR SPLICES SHALL BE PER THE FOLLOWING TABLE, EXCEPT WHERE OTHERWISE NOTED ON THE DRAWINGS. FOR BEAMS AND ELEVATED SLABS, LAP BOTTOM STEEL AT THE SUPPORT AND TOP STEEL OVER THE MIDSPAN, UNO.

REINFORCING - LAP LENGTHS					
BAR SIZE	#3	#4	#5	#6	#7
TOP BAR	24"	32"	40"	48"	56"
BOT BAR	18"	25"	31"	37"	43"

1. TOP BAR IS DEFINED AS ANY HORIZONTAL BAR WITH 12" OR MORE OF CONCRETE PLACED BELOW THE BAR

- GROUT UNDER BEARING PLATES SHALL BE NON-METALLIC, NON-SHRINK TYPE, WITH A COMPRESSIVE STRENGTH OF AT LEAST 6000 PSI IN (7) DAYS. VIBROPROUF #1, BY LAMBERT CORPORATION, OR ACCEPTED SUBSTITUTE.
- THE CONTRACTOR SHALL EMPLOY A TESTING LABORATORY TO PREPARE TEST CYLINDERS REPRESENTING CONCRETE Poured EVERY DAY, (1) SET PER DAY, OR (1) SET PER EACH 50 CUBIC YARDS Poured, MAXIMUM. THE TESTING LABORATORY TECHNICIAN SHALL BE PRESENT AT THE BEGINNING OF EACH POUR. LABORATORY REPORT SHALL BE FURNISHED TO THE STRUCTURAL ENGINEER, SHOWING STRENGTH OF CONCRETE AT (7) AND (28) DAYS.
- THE MAXIMUM SPACING OF SLAB CONTROL/CONSTRUCTION JOINTS SHALL BE AS SHOWN IN THE FOLLOWING SCHEDULE (UNLESS NOTED OTHERWISE ON THE FOUNDATION PLANS):

SLAB THICKNESS (IN)	CONTROL JOINT SPACING	
	LESS THAN 3/4"	GREATER THAN 3/4" **
4 IN.	8 FT.	12 FT.
5 IN.	10 FT.	13 FT.
6 IN.	12 FT.	15 FT.

** COARSE AGGREGATE IS SPECIFIED

THE MAXIMUM ASPECT RATIO (L/H) FOR CONTROL/CONSTRUCTION JOINTS SHALL BE 12.

INDEX OF STRUCTURAL DRAWINGS			REV
PAGE	SHEET	TITLE	
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2	8-2.0	OVERALL LOCATION PLAN	•
3	8-2.1	FOUNDATION PLAN	•
4	8-2.2	WALL SECTION	•
5	8-3.1	DETAILS	•

ABBREVIATIONS

AB.	ANCHOR BOLTS	MANUF.	MANUFACTURE/MANUFACTURER
ACI	AMERICAN CONCRETE INSTITUTE	MATL.	MATERIAL
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	MAX.	MAXIMUM
		MB	MASONRY BEAM
AISI	AMERICAN IRON AND STEEL INSTITUTE	MD	METAL DECK
ALT	ALTERNATE/ALTERNATIVE	MECH.	MECHANICAL
ARCH.	ARCHITECTURE/ARCHITECTURAL	MEZZ	MEZZANINE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	MIN.	MINIMUM
		MISC.	MISCELLANEOUS
AWS	AMERICAN WELDING SOCIETY	MO	MASONRY OPENING
		MTL	METAL
B/	BOTTOM OF	N.I.C.	NOT IN CONTRACT
BB	BOND BEAM	NOM.	NOMINAL
BLDG	BUILDING	NOT	NOT TO SCALE
BLK	BLOCK	N.W.T.	NORMAL WEIGHT TOPPING
B1	BEAM		
BP	BASE PLATE/BEARING PLATE	O.C.	ON CENTER
BRG	BEARING	OPNG	OPENING
BTJ	BOLTED TIE JOIST	OPFF.	OPPOSITE
CANT	CANTILEVER	PCC	PRE-CAST CONCRETE
CB	CONCRETE BEAM	PL	PLATE
CC	CONCRETE COLUMN	PLY.	PLYWOOD
CJ	CONSTRUCTION JOINT/CONTROL JOINT	PRE-ENG	PRE-ENGINEERED
CL	CENTERLINE	PRE-FAB	PRE-FABRICATED
CPU	CONCRETE/MASONRY UNIT	PROJ	PROJECTION
CLR	CLEARANCE	PSF	POUNDS PER SQUARE FOOT
COL	COLUMN	PSI	POUNDS PER SQUARE INCH
CONC.	CONCRETE	PT	PRESSURE TREATED
CONX	CONNECTION	RW	RANEL WIDTH
CONST	CONSTRUCTION	RCP	REINFORCED CONCRETE PIPE
CSJ	CONSTRUCTION JOINT	R.A.	ROOF DRAIN
DEPT	DEPARTMENT	REF	REFERENCE
DET.	DETAIL	REINF.	REINFORCING
DFT	DRY FILM THICKNESS	REQD.	REQUIRED
DIA.	DIAMETER	RW	RETAINING WALL
DIM	DIMENSION		
DIST	DISTANCE	SA	STUD ANCHOR
DN	DOWN	SCHED	SCHEDULE
DR	DRAIN	SF	STEPPED FOOTING
DUG	DRAINAGE	SIM.	SIMILAR
		SPC	SPACE/SPACES
EA	EACH	SPEC'S	SPECIFICATIONS
EE	EACH END	SQ.	SQUARE
EF	EACH FACE	S5	STAINLESS STEEL
EL	ELEVATION	S5L	SHORT-SLOTTED HOLE
EMB	EMBEDMENT	STD	STANDARD
ENGR	ENGINEER	STL	STEEL
EOS	EDGE OF SLAB	STRUC	STRUCTURAL
EW	EACH WAY	SYM	SYMMETRICAL
EXIST.	EXISTING		
EXT.	EXTERIOR	T/	TOP OF
		T AND B	TOP AND BOTTOM
F.D.	FLOOR DRAIN	T AND G	TONGUE AND GROOVE
FF	FINISH FLOOR	TB	TIE BEAM
FLR	FLOOR	THD	THREAD/THREADED
FTG	FOOTING	THK	THICK
F.V.	FIELD VERIFY	T5	TUBE STEEL
		TYP.	TYPICAL
GA.	GAGE/GAUGE	UNO.	UNLESS NOTED OTHERWISE
Galv.	GALVANIZED	VERT.	VERTICAL
G.C.	GENERAL CONTRACTOR	VOL	VOLUME
GLU-LAM	GLUE-LAMINATED		
GN.	GENERAL NOTES	W	WIDE FLANGE
		W/	WITH
H.A.S.	HEADED ANCHOR STUDS	W/O	WITHOUT
HORIZ.	HORIZONTAL	W.D	WOOD
H5	HOLLOW STRUCTURAL SECTIONS	W.F.	WALL FOOTING
HT.	HEIGHT	W.H	WEEP HOLE
		W/P	WATERPROOF
INT.	INTERIOR	W.P.	WORKING POINT
JST	JOIST	W.W.F.	WELDED WIRE FABRIC
JT	JOINT		
LDH	LONG DIMENSION HORIZONTAL		
LDV	LONG DIMENSION VERTICAL		
LGTH	LENGTH		
LLH	LONG LEG HORIZONTAL		
LLV	LONG LEG VERTICAL		

REFERENCE PLANS

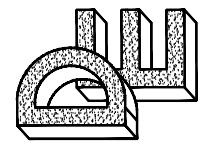
PARQUE DRIVE BUSINESS PARK - BUILDING I
 200 PARQUE DRIVE, BUILDING I
 HOLLY HILL, FL 32111

BPF DESIGN INC.
 201 FAIRVIEW AVE.
 DAYTONA BEACH, FL 32114

BRIAN P. FREDLEY, AIA (AA216001108)
 DATED 03-09-2018

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GENERAL STRUCTURAL NOTES
PARQUE DR. BUSINESS PARK - BLDG I
200 PARQUE DRIVE, BUILDING I
HOLLY HILL, FL 32117

Not Valid Without Seal and Signature

10-04-18
 CHAD E. HATCHER P.E.
 FL. PROF. REG. NO. 84151

REVISIONS
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DRAWN: TJL
APPROVED: CEH
JOB NO: 17-131
SHEET

S-1.1

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ID# 42-14-32-20-29-0020
 PAUL N BIELEFELDT
 NGON ST
 HILL, FL 32117
 S, R-5

ID# 42-14-32-20-29-0010
 GARY DEMIANYCZ
 JOUE DR
 D BEACH, FL 32174-7585
 S, R-5

PARCEL ID# 42-14-32-21-00-0050
 OWNER: GARY DEMIANYCZ
 755 PARQUE DR
 ORMOND BEACH, FL
 32174-7585
 ZONING: R-5

PARCEL ID# 42-14-32-21-00-0040
 OWNER: MITCHELL MOORE
 PO BOX 1721
 ORMOND BEACH, FL 32175
 ZONING: CC-1

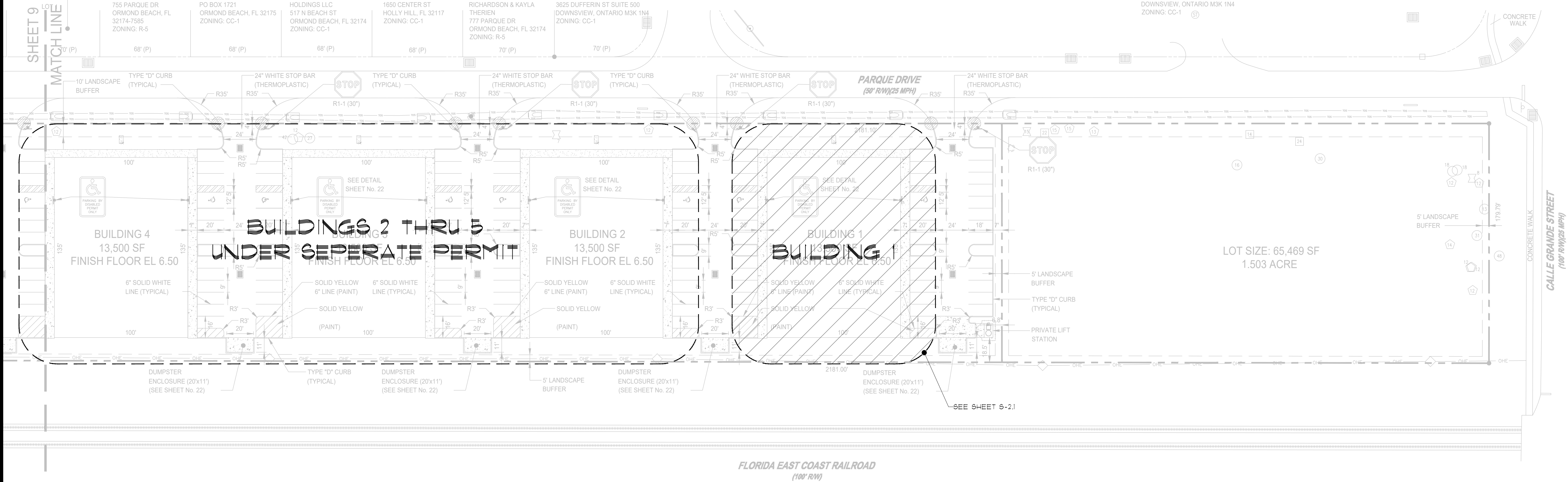
PARCEL ID# 42-14-32-21-00-0030
 OWNER: PARQUE BADGER
 HOLDINGS LLC
 517 N BEACH ST
 ORMOND BEACH, FL 32174
 ZONING: CC-1

PARCEL ID# 42-14-32-21-00-0020
 OWNER: 715 UNABELLE LLC
 1650 CENTER ST
 HOLLY HILL, FL 32117
 ZONING: CC-1

PARCEL ID# 42-14-32-21-00-0010
 OWNER: DEREK
 RICHARDSON & KAYLA
 THERIEN
 777 PARQUE DR
 ORMOND BEACH, FL 32174
 ZONING: R-5

PARCEL ID# 42-14-32-0R-00-0030
 OWNER: PX HOLLY HILLS LP
 3625 DUFFERIN ST SUITE 500
 DOWNSVIEW, ONTARIO M3K 1N4
 ZONING: CC-1

PARCEL ID# 42-14-32-0R-00-0030
 OWNER: PX HOLLY HILLS LP
 3625 DUFFERIN ST SUITE 500
 DOWNSVIEW, ONTARIO M3K 1N4
 ZONING: CC-1



OVERALL LOCATION PLAN
 SCALE: 1/4" = 1'-0"

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OVERALL LOCATION PLAN
PARQUE DR. BUSINESS PARK - BLDG 1
200 PARQUE DRIVE, BUILDING 1
HOLLY HILL, FL 32117

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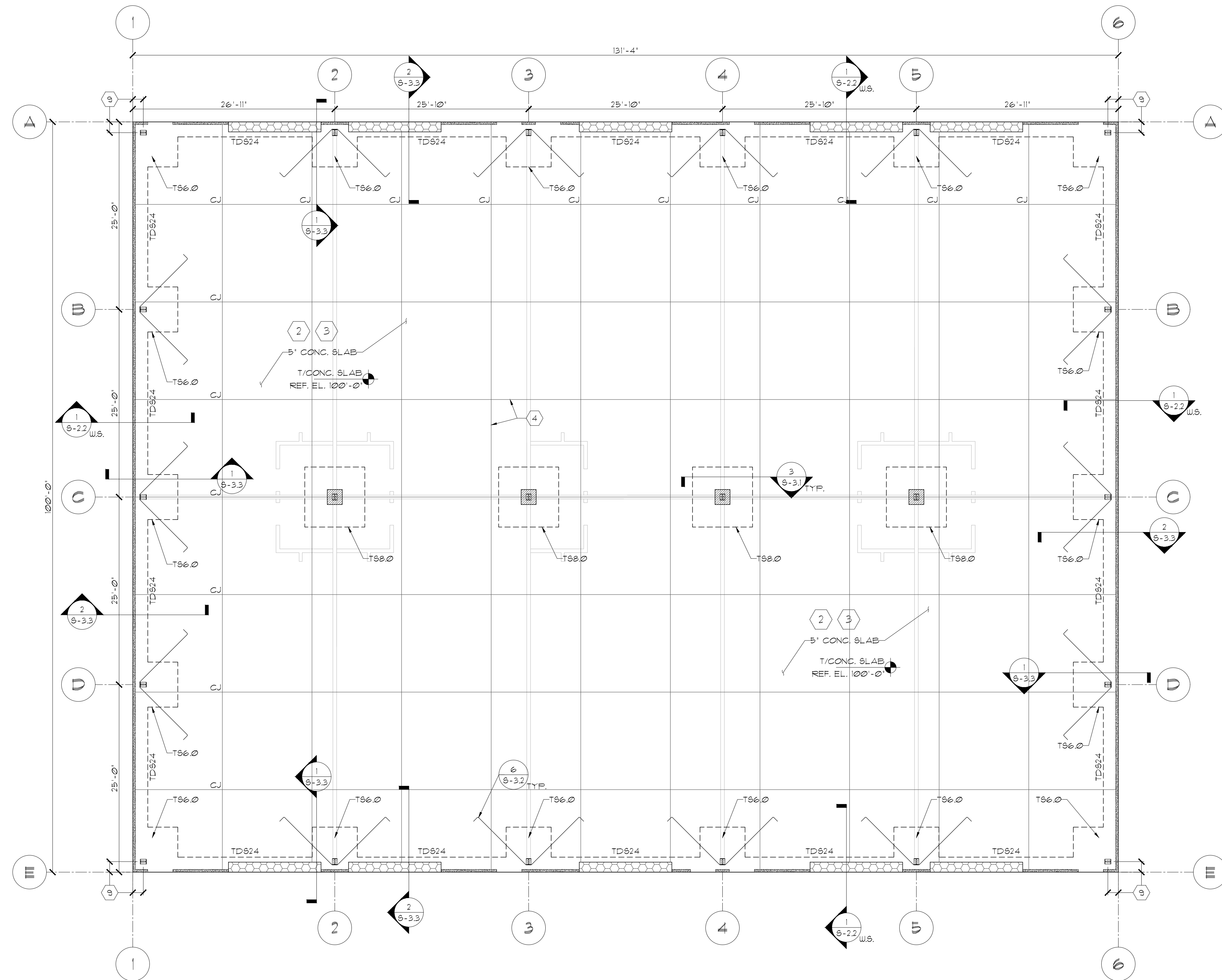
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DATE: 10/04/2018
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FOOTING SCHEDULE					
FOOTING MARK	FOOTING SIZE		FOOTING REINFORCEMENT		NOTES
	T	W x L	BOTTOM	TOP	
TD524	20'	24' x CONT.	(3) #5 x CONT.	(1) #5 x CONT.	5
T56.0	20'	6'-0" x 6'-0"	#5 @ 12" O.C. EA. WAY	#5 @ 12" O.C. EA. WAY	5
T58.0	20'	8'-0" x 8'-0"	#5 @ 12" O.C. EA. WAY	#5 @ 12" O.C. EA. WAY	

LEGEND	
	4 1/4" PCC WALL PANEL SEE DET. 11/5-3.1
	INDICATES 3/4" SLAB RECESS VERIFY W/ FOUR SPECS
	INDICATES STEEL COLUMN BY FEMB MANUF.
	W.S. INDICATES WALL SECTION

LIVE LOADS FOR 5" SLAB ON GRADE	
A. LIFT TRUCK RATED CAPACITY: DRIVE AXLE LOAD: WHEEL SPACING: PNEUMATIC TIRE INFLATED PRESSURE:	4000 LBS. 10400 LBS. 32 IN. 100 PSI
B. STORAGE RACKS. MAX. POST LOAD: MIN. POST SPACING: MIN. BASE PLATE SIZE:	4500 LBS. 48 IN. (FIRST DIRECTION) 60 IN. (SECOND DIRECTION) 8 IN. SQ. PLATE
C. DISTRIBUTED LOADS: MAX. STORAGE LOADS: MIN. AISLE WIDTH:	1100 PSF 4 FT.

THESE DESIGN LOADS ARE APPLICABLE FOR CONCRETE SLAB WITH REINFORCEMENT AND CONTROL JOINT SPACING AS SPECIFIED IN THESE PLANS.

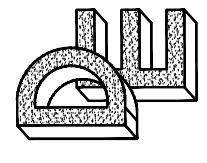
FOUNDATION PLAN NOTES:

- 1 FOR GENERAL STRUCTURAL NOTES, SEE SHEET S-11.
- 2 CONCRETE SLAB ON GRADE SHALL HAVE MINIMUM THICKNESS AS INDICATED ON THE PLAN AND SHALL BE FULLY SUPPORTED OVER THE SUB-GRADE. THE SUBGRADE SHALL BE PREPARED AND TREATED FOR TERMITES AS SPECIFIED IN THE GENERAL NOTES (FOUNDATION). A 10-MIL POLYETHYLENE VAPOR RETARDER SHALL BE PLACED OVER THE TREATED SUBGRADE PRIOR TO PLACEMENT OF THE CONCRETE. REINFORCEMENT SHALL BE AS INDICATED BELOW AND IN ACCORDANCE WITH THE GENERAL NOTES:
 - A 5" SLAB ON GRADE REINFORCEMENT SHALL BE PER OPTION 'A1' OR 'A2', AS INDICATED BELOW.
 - A1. 6x6-W2.5xW2.5 W/F REINF. AT CENTER OF SLAB, OR
 - A2. FIBERMESH 650 APPLIED AT THE RATE OF 3.0 LBS. PER CY
- 3 T/SLAB ELEV. = 100'-0" UNO, THIS IS A REFERENCE ELEV. ONLY. SEE CIVIL DWGS. FOR TRUE ELEV. ABOVE MEAN SEA LEVEL.
- 4 PROVIDE SLAB CONTROL/ CONSTRUCTION JOINTS PER 1/5-3.1 @ LOCATIONS INDICATED BY 'CJ' ON PLAN, OR AS SPECIFIED IN GENERAL NOTES.
- 5 PROVIDE CORNER REINFORCEMENT PER DET. 9/5-3.1.
- 6 COORDINATE W/ ARCHITECTURAL AND SITE PLAN DWGS. FOR DIMENSIONS, SLAB SLOPES AND INFORMATION NOT SHOWN.
- 7 BOTTOM OF EXTERIOR FTG. SHALL BE 1'-0" MIN. BELOW FINISH GRADE.
- 8 COORDINATE W/ PLUMBING DWGS. ALL FLOOR DRAIN LOCATIONS.
- 9 FOR METAL BLDG. FRAME ANCHOR BOLT SIZES AND LOCATIONS, SEE METAL BLDG. MANUF. PLANS. PROVIDE ANCHOR BOLT EMBEDMENT PER DET. 5/5-3.1.

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

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FOUNDATION PLAN
PARQUE DR. BUSINESS PARK - BLDG 11
200 PARQUE DRIVE, BUILDING 1
HOLLY HILL, FL 32117

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10-04-18
CHAD E. HATCHER P.E.
FL. PROF. REG. NO. 84151

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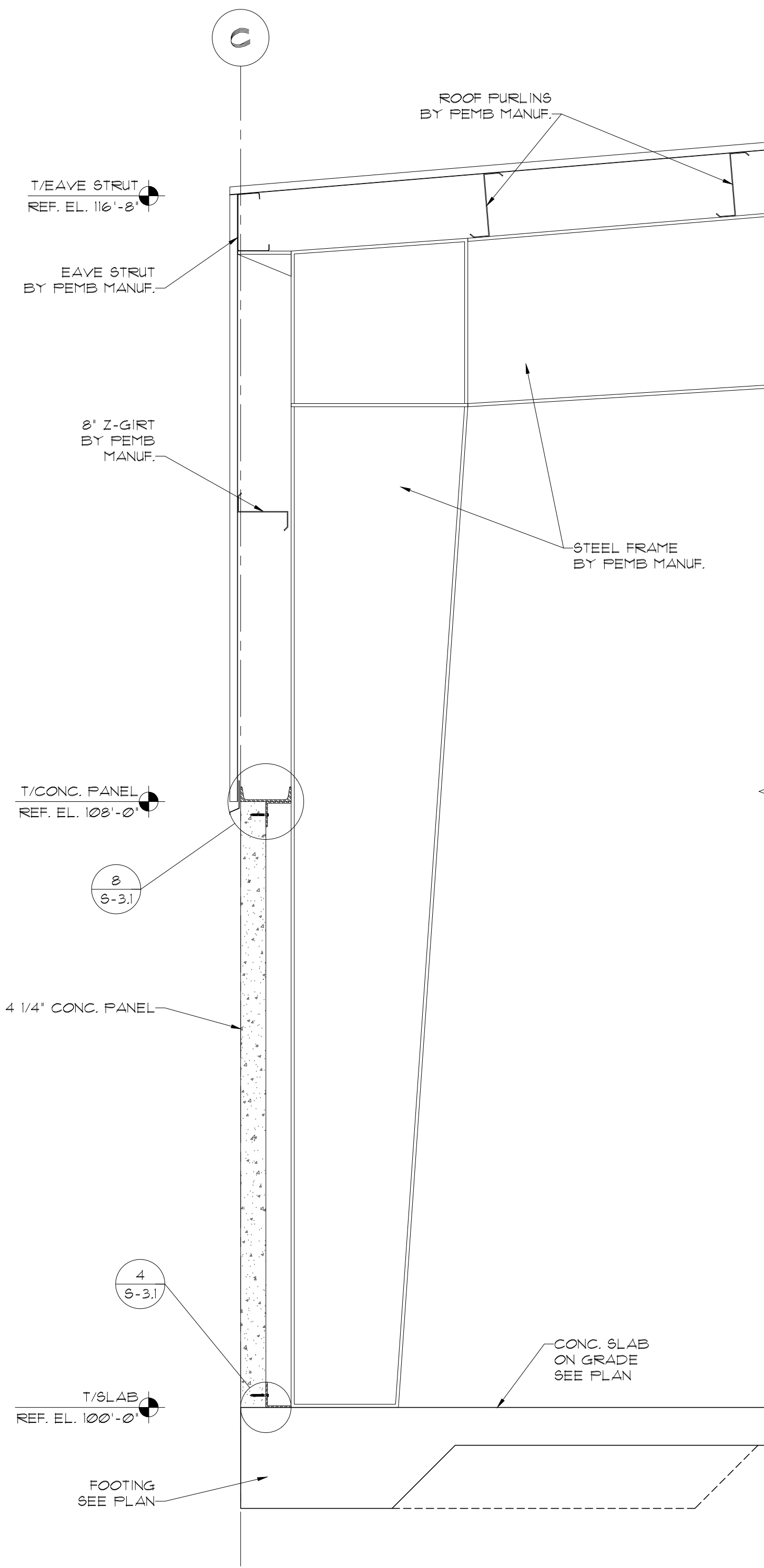
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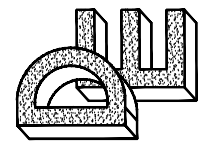


TYPICAL WALL SECTION
SCALE: 3/4" = 1'-0"

1

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WALL SECTION
PARQUE DR. BUSINESS PARK - BLDG 11
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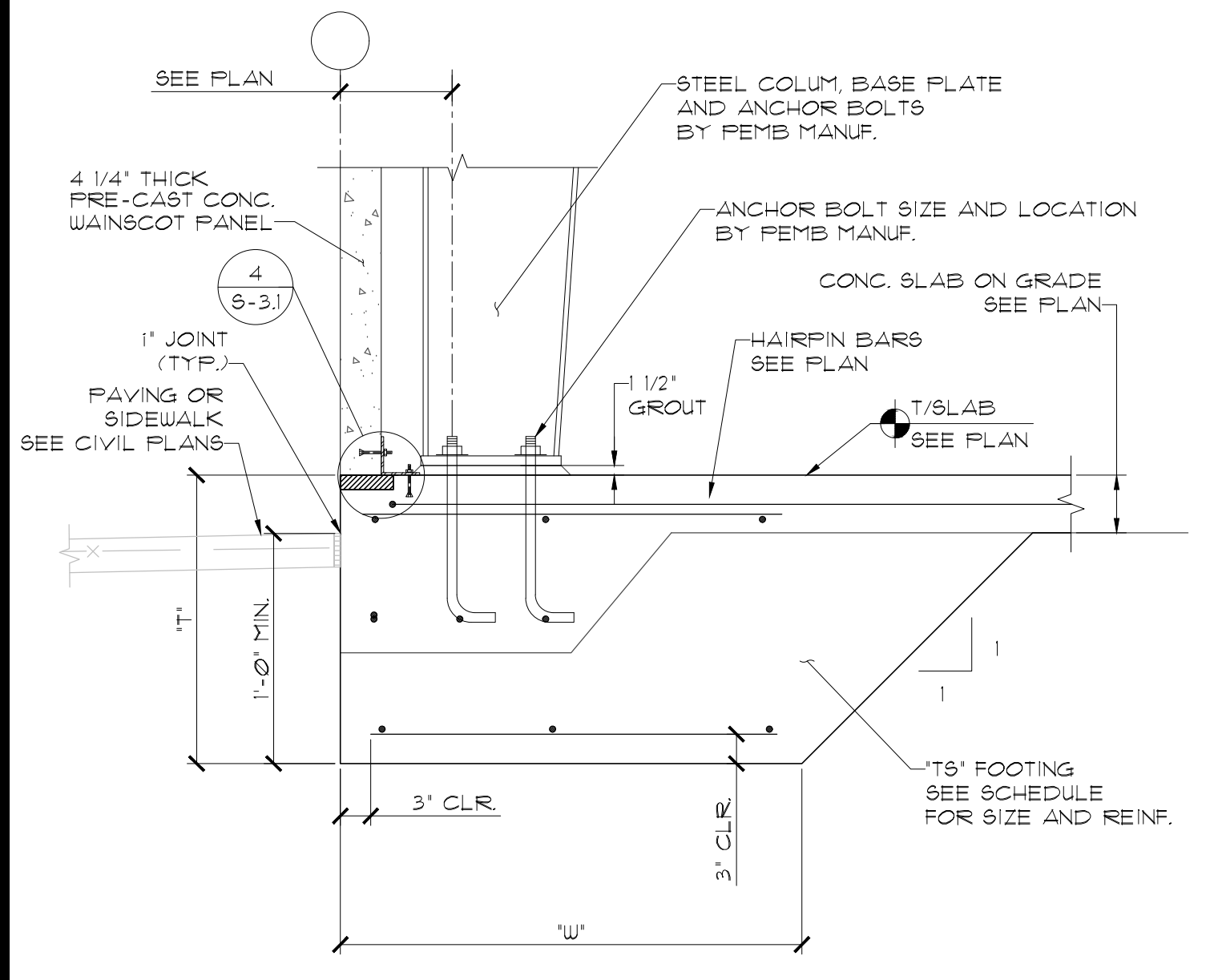
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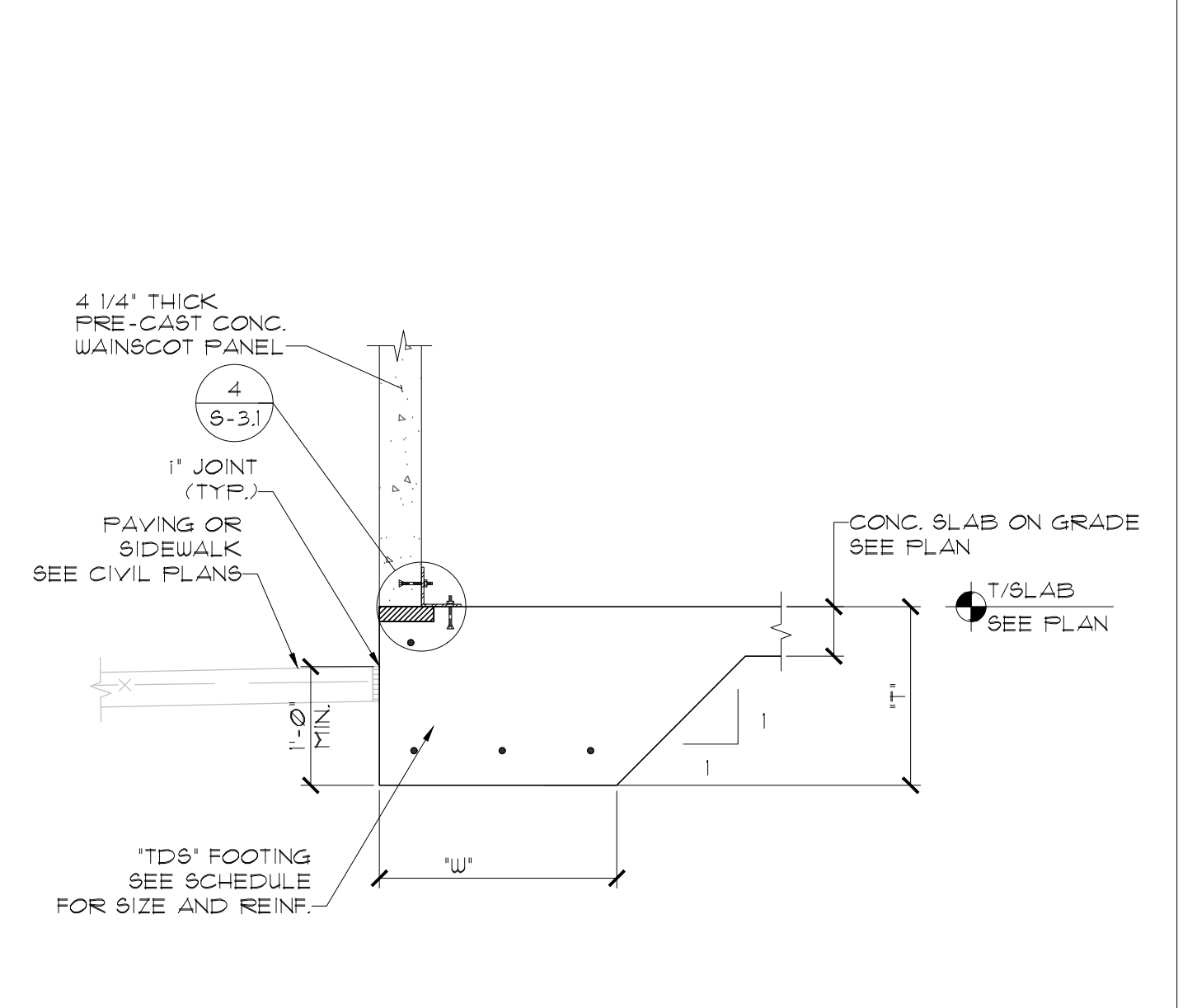
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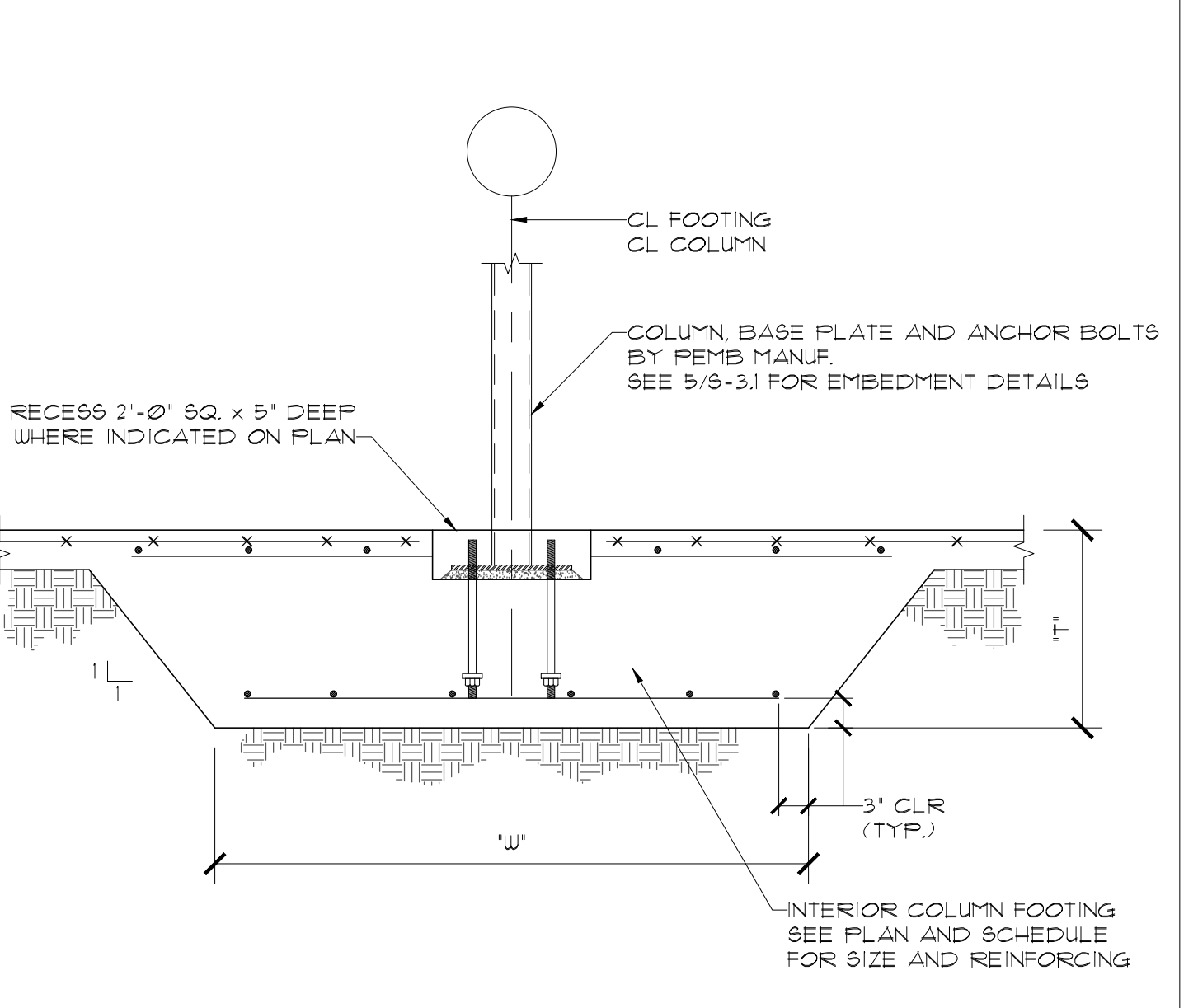
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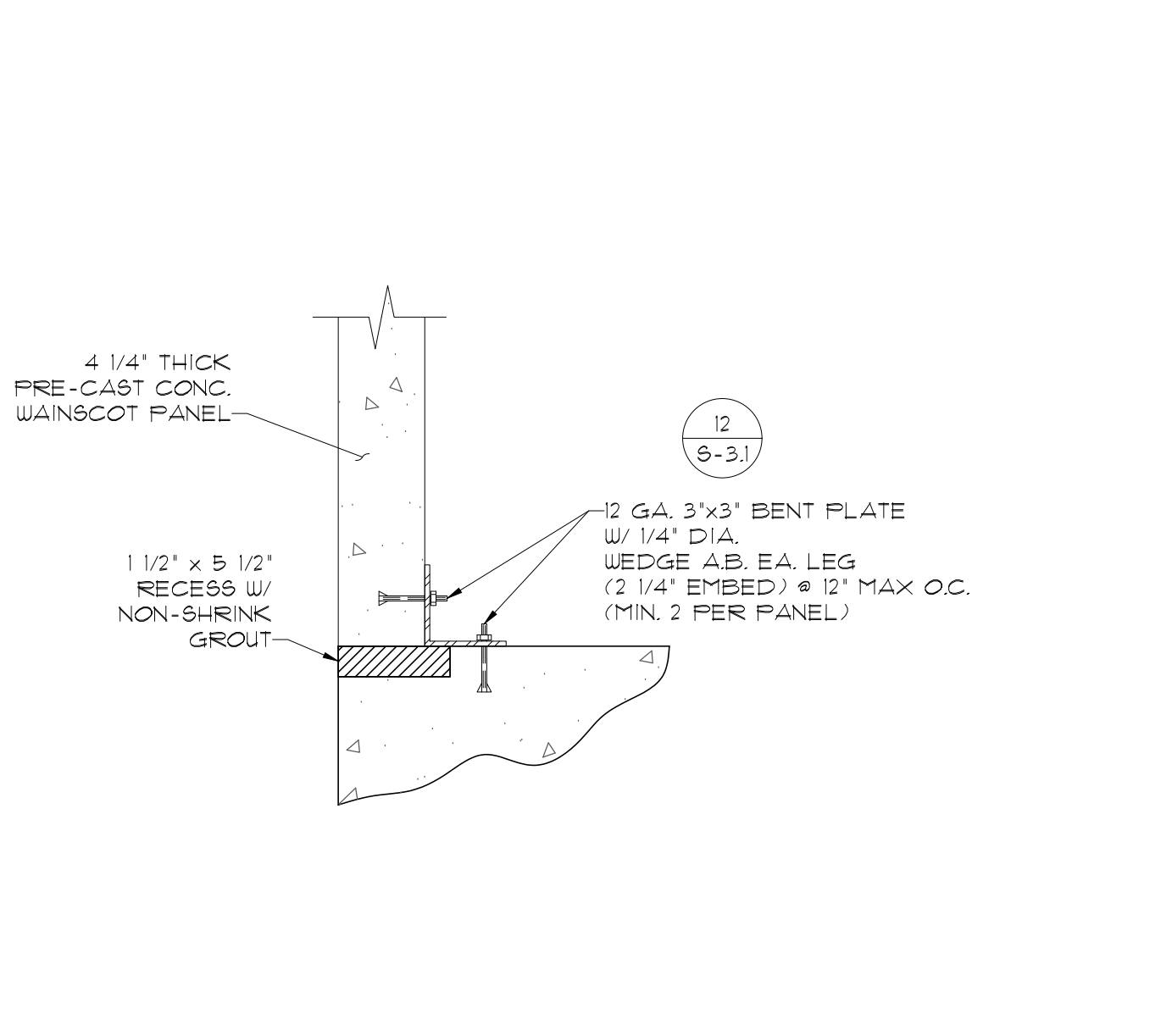
EXTERIOR COLUMN FOOTING
SCALE: 3/4" = 1'-0"



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



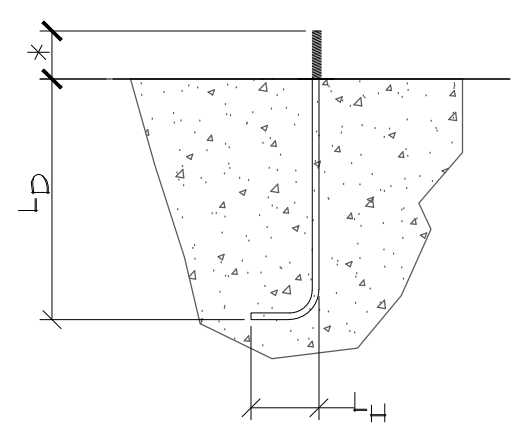
INTERIOR COLUMN FOOTING
SCALE: 3/4" = 1'-0"



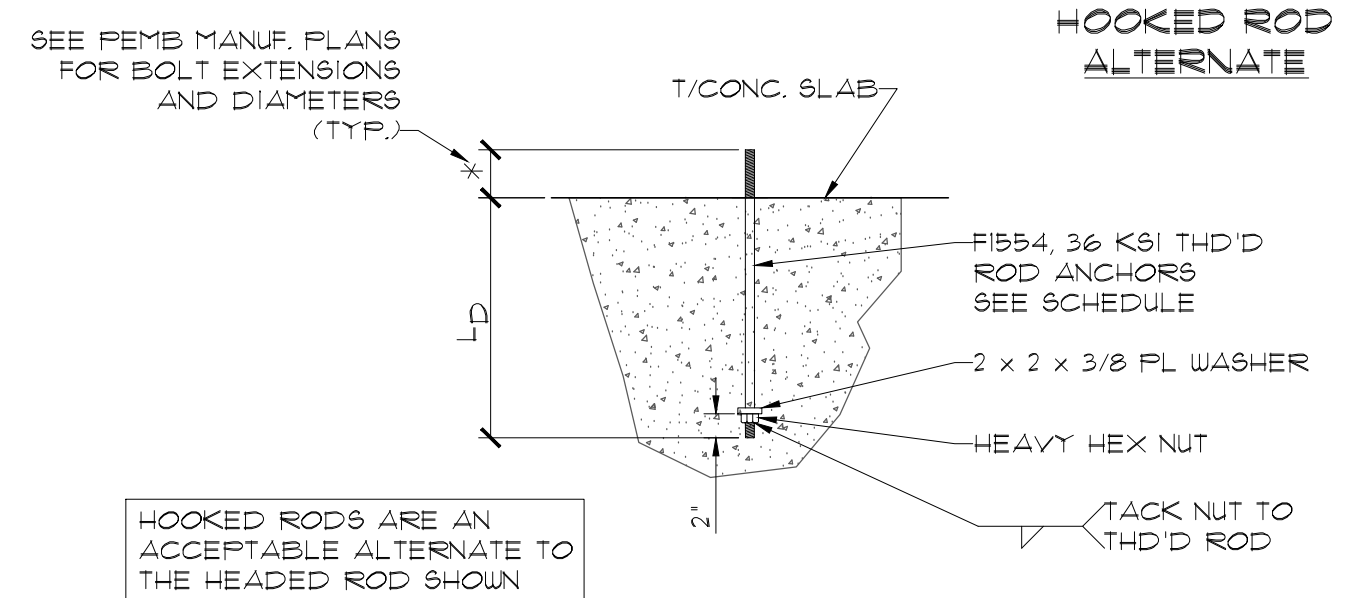
BOTTOM OF PANEL CONN.
SCALE: 1 1/2" = 1'-0"

A.B. EMBED SCHEDULE

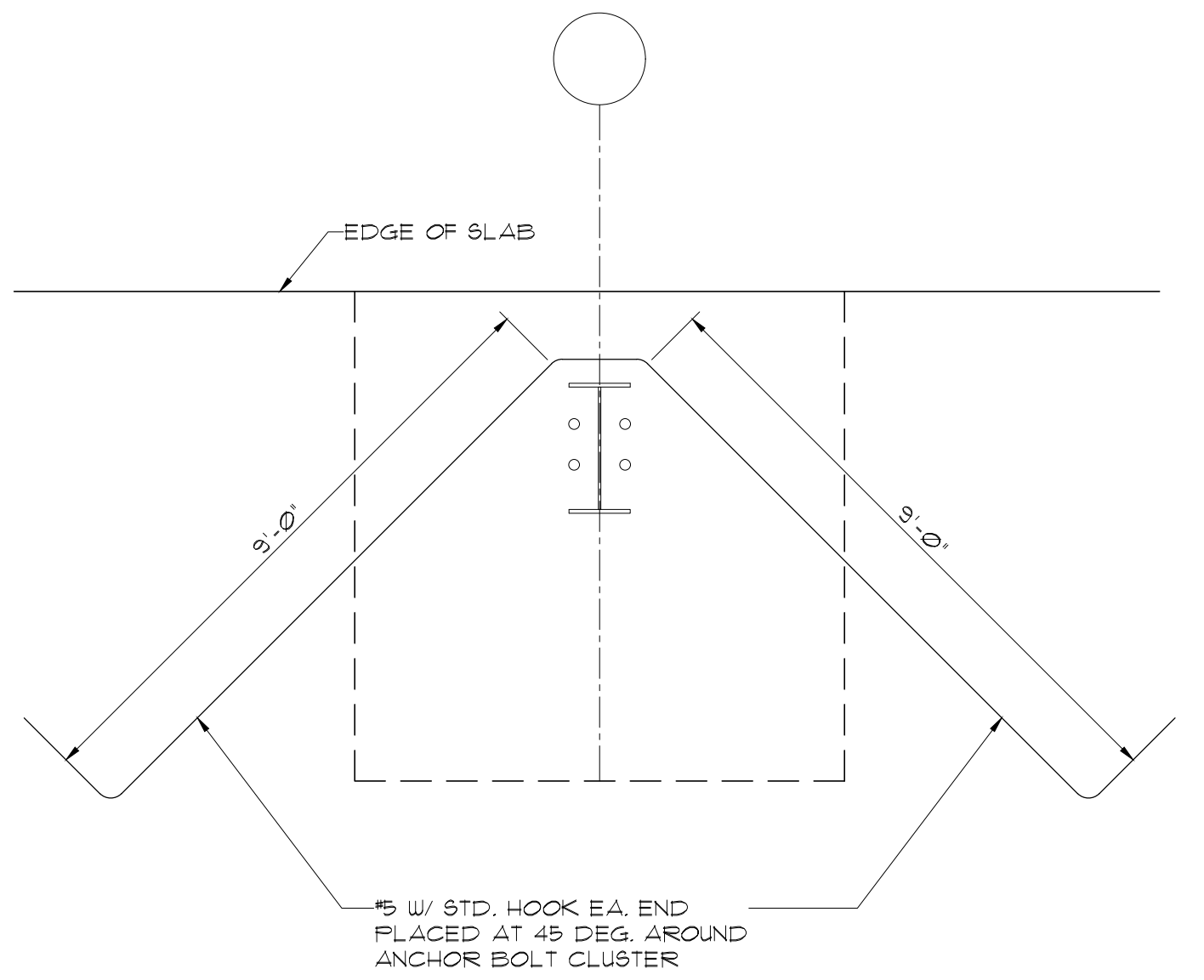
DIAMETER	L _D	L _H	REMARKS
5/8"	8"	3'	
3/4"	12"	4'	
7/8"	14"	4'	
1"	16"	5'	
1 1/4"	18"	6'	



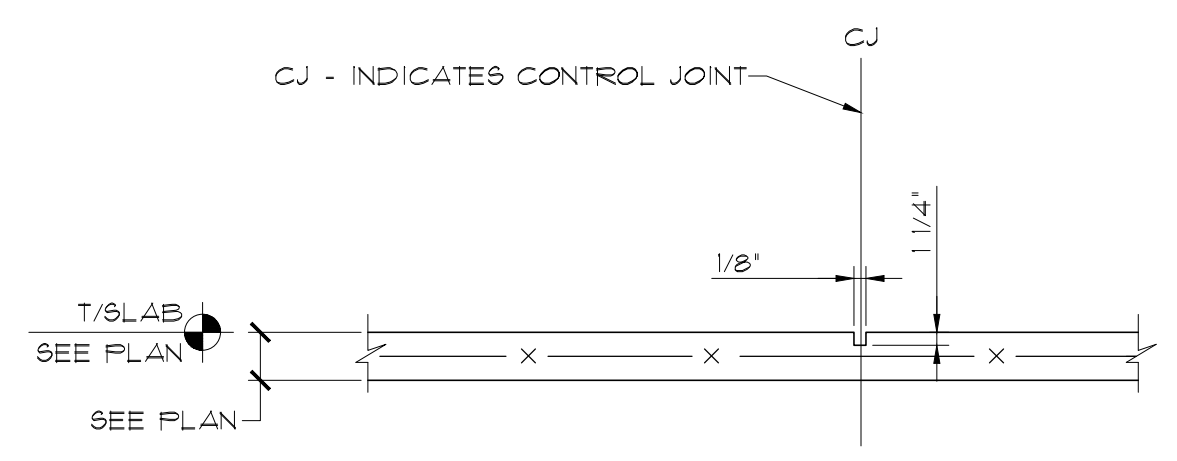
HOOKED ROD ALTERNATE



METAL BLDG. FRAME ANCHOR BOLT EMBED
N.T.S.

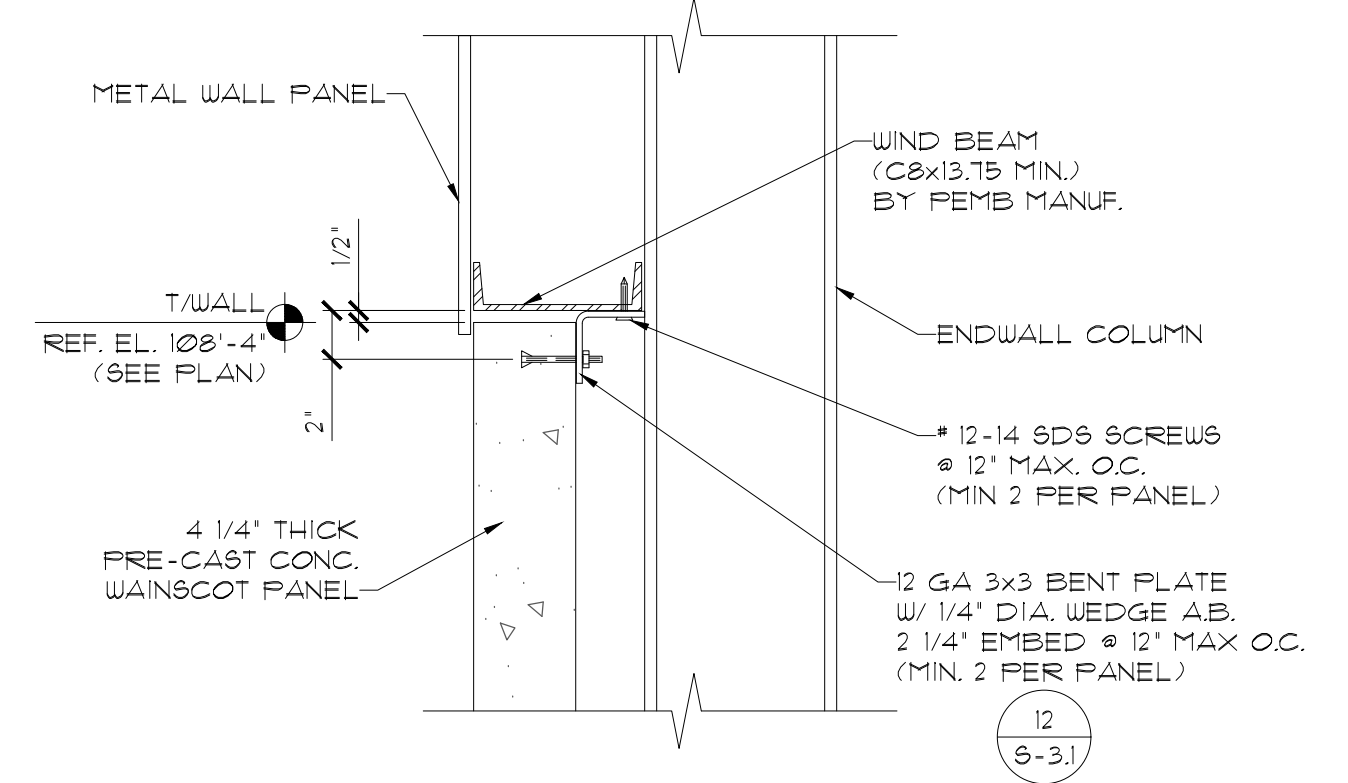


(SEE PLAN FOR LOCATION)
PLAN VIEW HAIRPIN BARS
N.T.S.



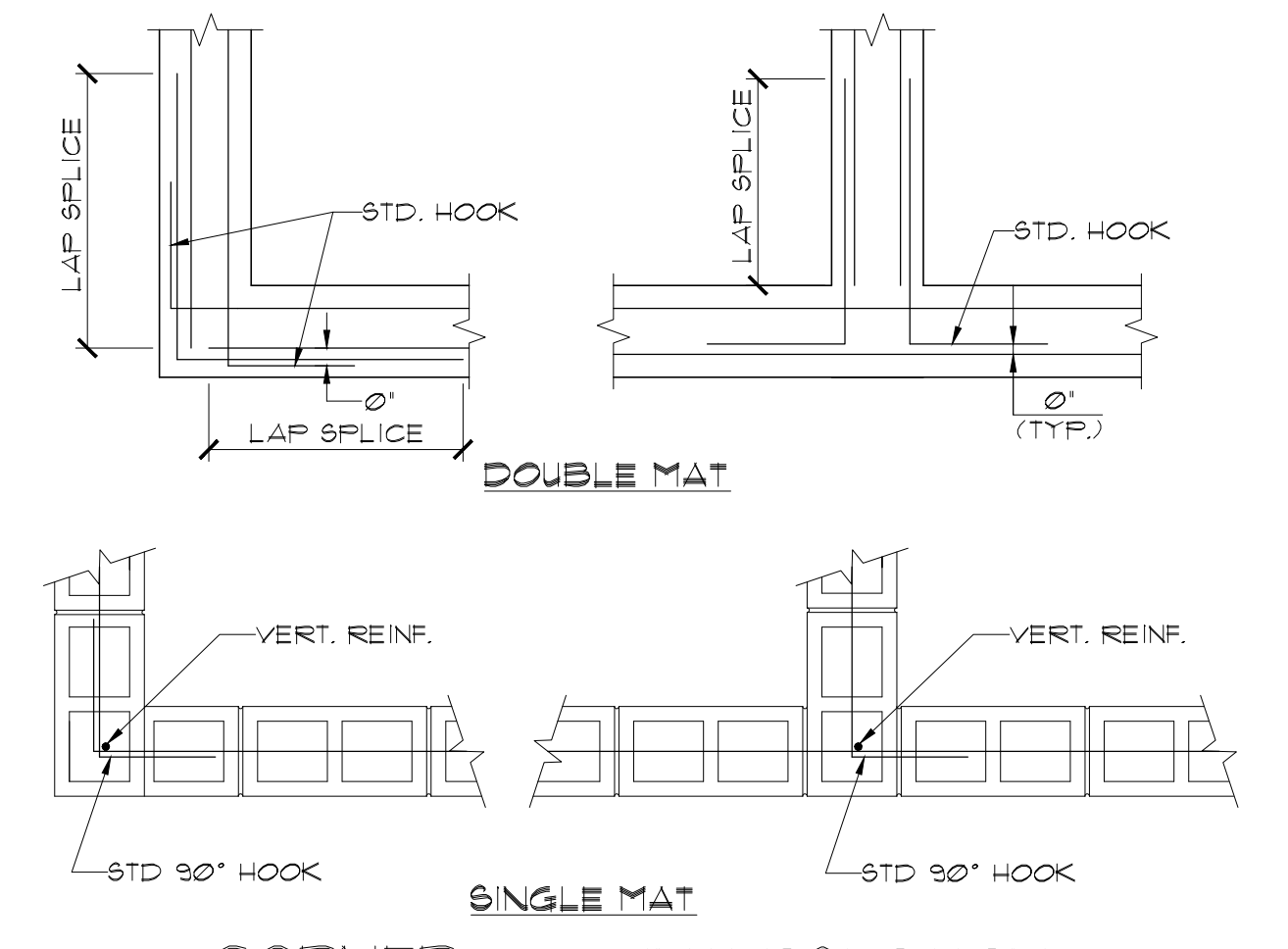
NOTE: CONTROL JOINTS MUST BE SAUCUT AS SOON AS AGGREGATE DOES NOT DISLODGE (SHALL BE NO MORE THAN 4 TO 8 HOURS AFTER CONCRETE HAS BEEN PLACED). PLACE C.J.'S AS RECOMMENDED ON FOUNDATION PLAN SHEETS OR AS SPECIFIED PER GENERAL NOTES, SHEET S-11.

TYPICAL SLAB CONTROL JOINT
SCALE: 3/4" = 1'-0"



TOP OF PANEL CONN.
SCALE: 1 1/2" = 1'-0"

- NOTES:**
- PROVIDE MATCHING CORNER BARS FOR ALL HORIZONTAL REINFORCING AT INTERSECTIONS & AT CORNERS OF ALL FOOTINGS, THICKENED SLABS ON GRADE, WALLS, CONC. BEAMS, AND CONTINUOUS BOND BEAMS/TIE BEAMS, U.N.O.
 - CORNER BAR SIZE, SPACING AND LOCATION SAME AS HORIZ. REINF. LAP SPlice LENGTH AS SPECIFIED PER TABLE IN GEN. NOTES.

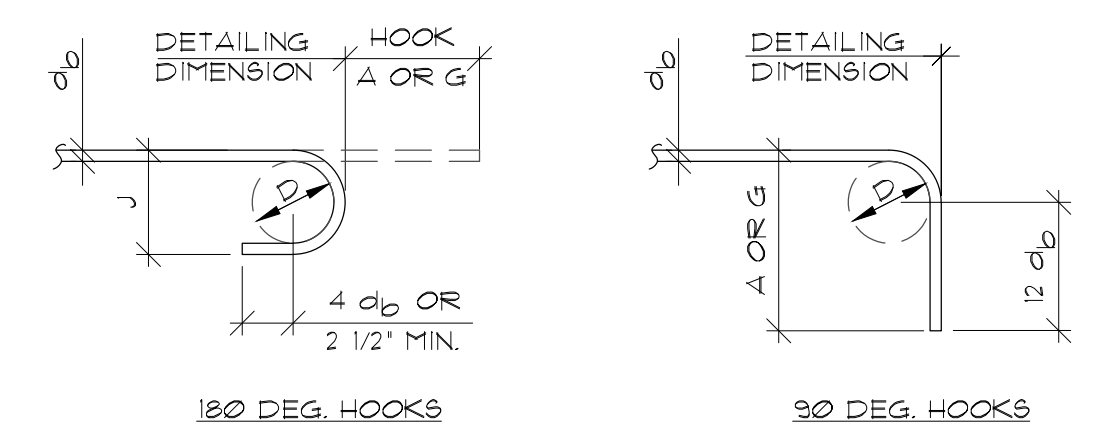


CORNER REINFORCEMENT
SCALE: 3/4" = 1'-0"

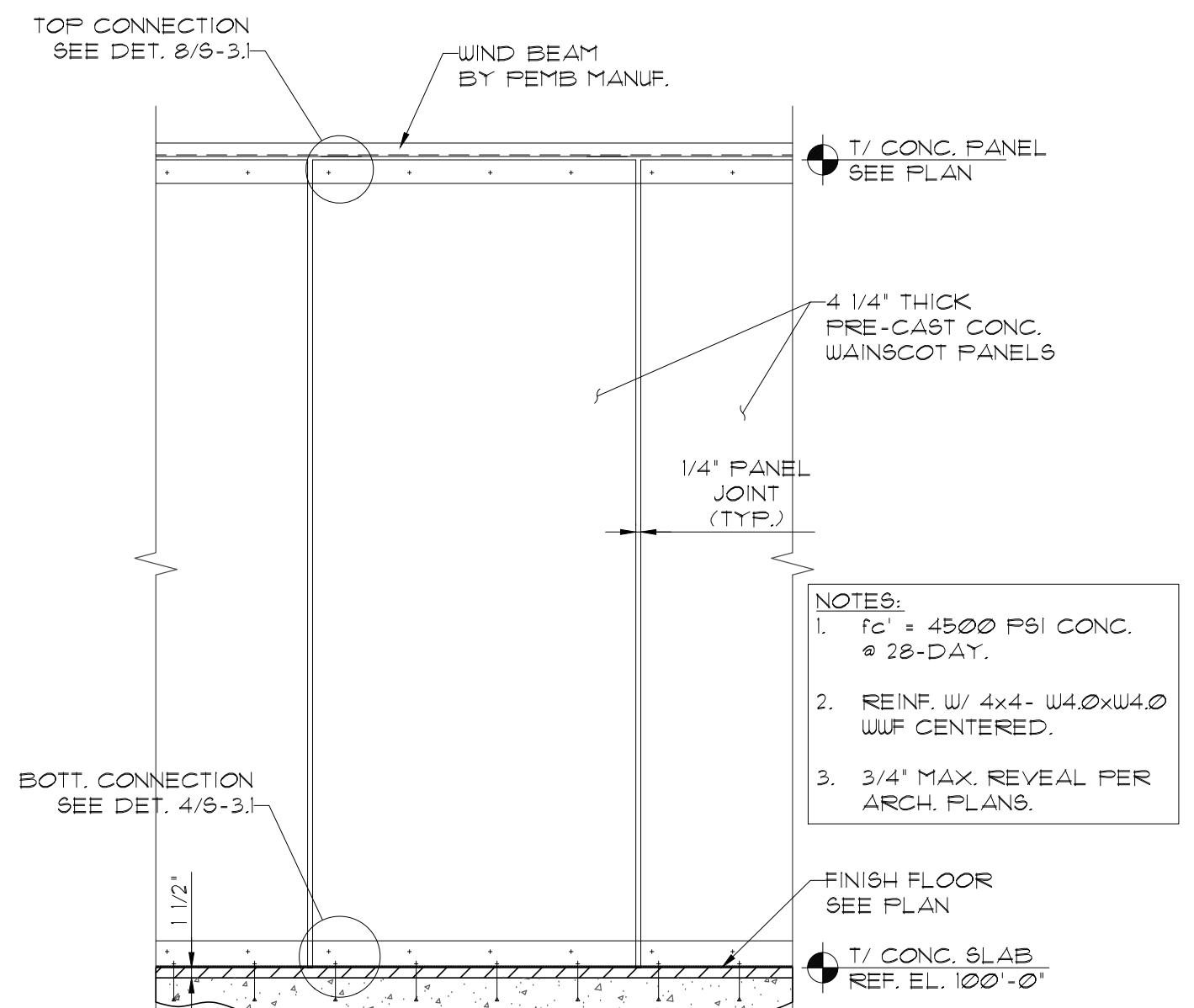
STANDARD REINF. HOOK SCHEDULE

RECOMMENDED END HOOKS, ALL GRADES

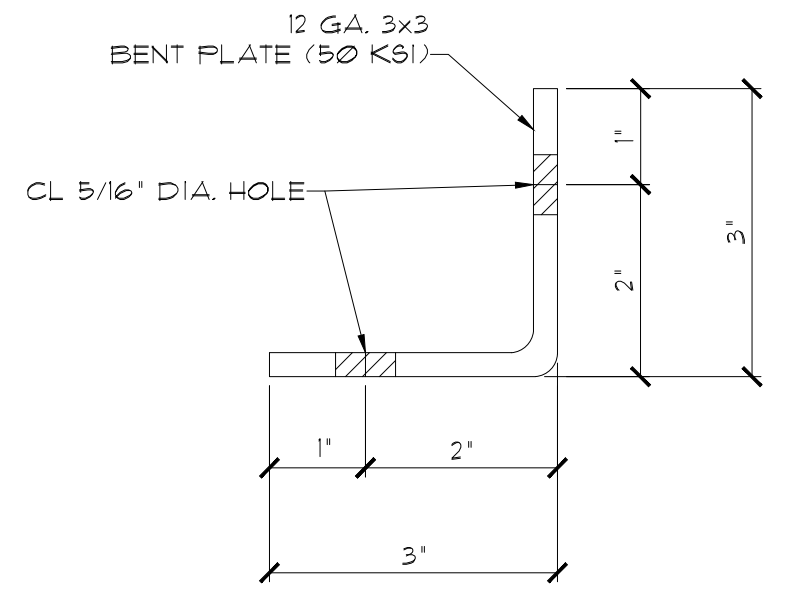
BAR SIZE	FINISHED BEND DIAMETER, D.	180° HOOKS		90° HOOKS	
		A OR G	J	A OR G	J
#3	2 1/4"	5"	3"	6"	6"
#4	3"	6"	4"	8"	8"
#5	3 3/4"	7"	5"	10"	10"
#6	4 1/2"	8"	6"	1'-0"	1'-0"
#7	5 1/4"	10"	7"	1'-2"	1'-2"



STANDARD HOOK DETAILS
N.T.S.



TYPICAL WAINGSCOT CONG. PANEL
SCALE: 1/2" = 1'-0"



PANEL CLIP ANGLE
SCALE: 6" = 1'-0"

DEVLEN ENGINEERING, Inc.
STRUCTURAL ENGINEERING C.O.A. 9459

4021 CHURCH ST.
PANORAMA, FL 32771
PHONE: (407) 374-5300
FAX: (407) 374-5999
EMAIL: RON@DEVLENG.COM
WEB: WWW.DEVLENG.COM

DETAILS

PARQUE DR. BUSINESS PARK - BLDG 11
200 PARQUE DRIVE, BUILDING 1
HOLLY HILL, FL 32117

Not Valid Without Seal and Signature

10-04-18
CHAD E. HATCHER P.E.
FL. PROF. REG. NO. 84151

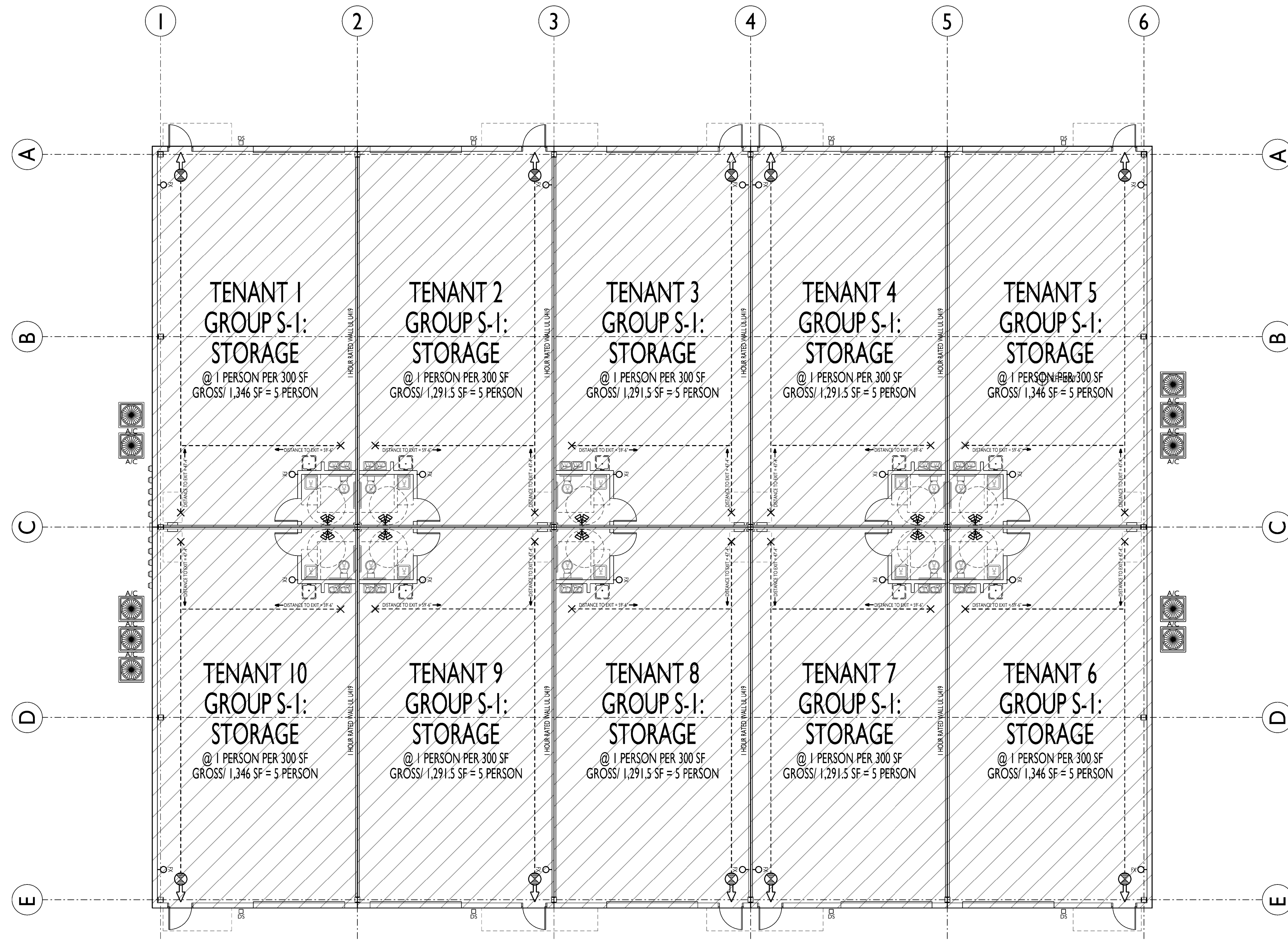
REVISIONS

DATE: 10/04/2018
SCALE: AS NOTED
DRAWN: TJL
APPROVED: CEH
JOB NO: 17-131
SHEET

S-3.1

THIS DRAWING PUBLISHED: 10/04/2018 05:08 PM

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LIFE SAFETY LEGEND

- EXIT W/ ILLUM. EXIT SIGN & BATTERY BACK-UP INDENTIFYING PATH OF TRAVEL
- FX CERTIFIED FIRE EXTINGUISHER
- EMERGENCY LIGHTING W/ BATT. BACKUP

WALL LEGEND

- NEW INTERIOR 1 HOUR RATED WALL OR INFILL UL U419
- NEW INTERIOR WALLS 3 1/2" 25G. MTL. STUDS @24" O.C. W/ 5/8" GYP. BOARD
- EXT. MTL. BUILDING WALL W/ 8'-0" HT. WAINSCOTT PRECAST CONC. PANELS

PROPOSED GROSS SF TABLE

TENANT 1	1,346 S.F.
TENANT 2	1,291.5 S.F.
TENANT 3	1,291.5 S.F.
TENANT 4	1,291.5 S.F.
TENANT 5	1,346 S.F.
TENANT 6	1,346 S.F.
TENANT 7	1,291.5 S.F.
TENANT 8	1,291.5 S.F.
TENANT 9	1,291.5 S.F.
TENANT 10	1,346 S.F.
TOTAL UNDER ROOF	13,133 S.F.

CONSTRUCTION

TYPE OF CONSTRUCTION: 2B
 SPRINKLERED OR NON-SPRINKLERED: NON-SPRINKLERED
 MAX HEIGHT: 2 STORIES
 ACTUAL BUILDING HEIGHT: 1 STORY
 MAX FLOOR AREA: 17,500 S.F. PER TABLE 506.2
 A. AREA MODIFICATION INCREASE: 0 S.F. (20' OPEN SIDES ON 4 SIDES OF BUILDING)
 B. OCCUPANCY AREA MODIFICATION: N/A
 TOTAL ALLOWABLE AREA: MAX. FLOOR AREA + THE SMALLER OF A OR B: 17,500

FIRE PROTECTION

MINIMUM INTERIOR FINISH CLASS: 1
 EXITS: 2 EXIT ACCESS: 2
 OTHER: C
 SHAFSTAIRS: 1 HOUR 1 HOUR 100'
 FIRE WALLS: 4 HOUR 3 HOUR 126"
 TENANT SEPARATION: 1 HOUR 3/4 HOUR 100'
 HORIZONTAL EXIT: 2 HOUR 1 1/2 HOUR 100'

APPLICABLE CODES

6th EDITION (2017) FLORIDA BUILDING CODE - BUILDING
 6th EDITION (2017) FLORIDA BUILDING CODE - ACCESSIBILITY
 6th EDITION (2017) FLORIDA BUILDING CODE - ENERGY CONSERVATION
 6th EDITION (2017) FLORIDA BUILDING CODE - FUEL - GAS
 6th EDITION (2017) FLORIDA BUILDING CODE - MECHANICAL
 6th EDITION (2017) FLORIDA BUILDING CODE - PLUMBING
 6th EDITION (2017) FLORIDA FIRE PREVENTION CODE
 2014 EDITION NATIONAL ELECTRICAL CODE

OCCUPANCY

OCCUPANCY / GROUP CLASSIFICATION: GROUP S-1 (STORAGE)
 GROUP S-1: 1 PERSON PER 300 SF GROSS / 1,291.5 SF = 5 PERSONS (44 UNITS)
 GROUP S-1: 1 PERSON PER 300 SF GROSS / 1,346 SF = 5 PERSONS (44 UNITS)
 TOTAL = 50 PERSONS

EXITS

MINIMUM NUMBER OF EXITS: 1 PER UNIT
 MAXIMUM TRAVEL DISTANCE: 75'-0" MAX FOR SINGLE EXITS
 100'-0" MAX FOR 1 OR MORE EXITS
 MAXIMUM DEAD END CORRIDOR: 20'-0" MIN. CORRIDOR/ AISLE WIDTH: 44"

IS A SEPARATE OR EMERGENCY SOURCE OF LIGHT REQUIRED? YES
 IS SPECIAL EGRESS PANIC HARDWARE REQUIRED? YES
 IS A MANUAL FIRE ALARM REQUIRED? YES

OCCUPANCY TABLE

SYMBOL	GROUP	AREA SF	SF/PERSON	PEOPLE
[Hatched Box]	GROUP S-1: STORAGE	13,133 SF	@ 300 SF PER PERSON =	50
TOTAL OCCUPANTS = 50 PERSONS				

GENERAL NOTES:

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 AS SPECIFIED ON SHEET TBL
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 ALL GLAZING IS TO BE NON-IMPACT RESISTANT

A LIFE SAFETY PLAN
 SCALE: 1/8"=1'-0"

PARQUE DRIVE BUSINESS PARK - BUILDING 1

OWNER/DEVELOPER: PETER TYDIR, OWNER, TYDIR, LLC, 418 N SEGRAVE STREET, SUITE B, DAYTONA BEACH, FL 32114
 PROJECT LOCATION: 200 PARQUE DRIVE, BUILDING 1, HOLLY HILL, FL 32117
 GENERAL CONTRACTOR: GENERAL MECHANICAL CORPORATION, PETER M. TYDIR, PRESIDENT, CGCAS7756, 418 N. SEGRAVE ST., SUITE B, DAYTONA BEACH, FL 32114
 PH: (386) 255-5222 FX: (386) 258-8974

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 DALLAS B. PEACOCK, AIA, ARCHITECT
 # AR 0009706
 207 FAIRVIEW AVENUE, DAYTONA BEACH, FL 32114
 PH: (386) 257-0502 FX: (386) 257-1050
 E-MAIL: bfredley@bpfdesign.com WEBSITE: bpfdesign.com

LIFE SAFETY PLAN

DRAWN BY: TDM & BM CHECKED BY: DRP & BPF
 DATE: NOVEMBER 13, 2018
 SCALE: 1/8"=1'-0" SHT NO. A1

ARCHITECT'S / ENGINEER'S SEAL

NO.	REVISIONS

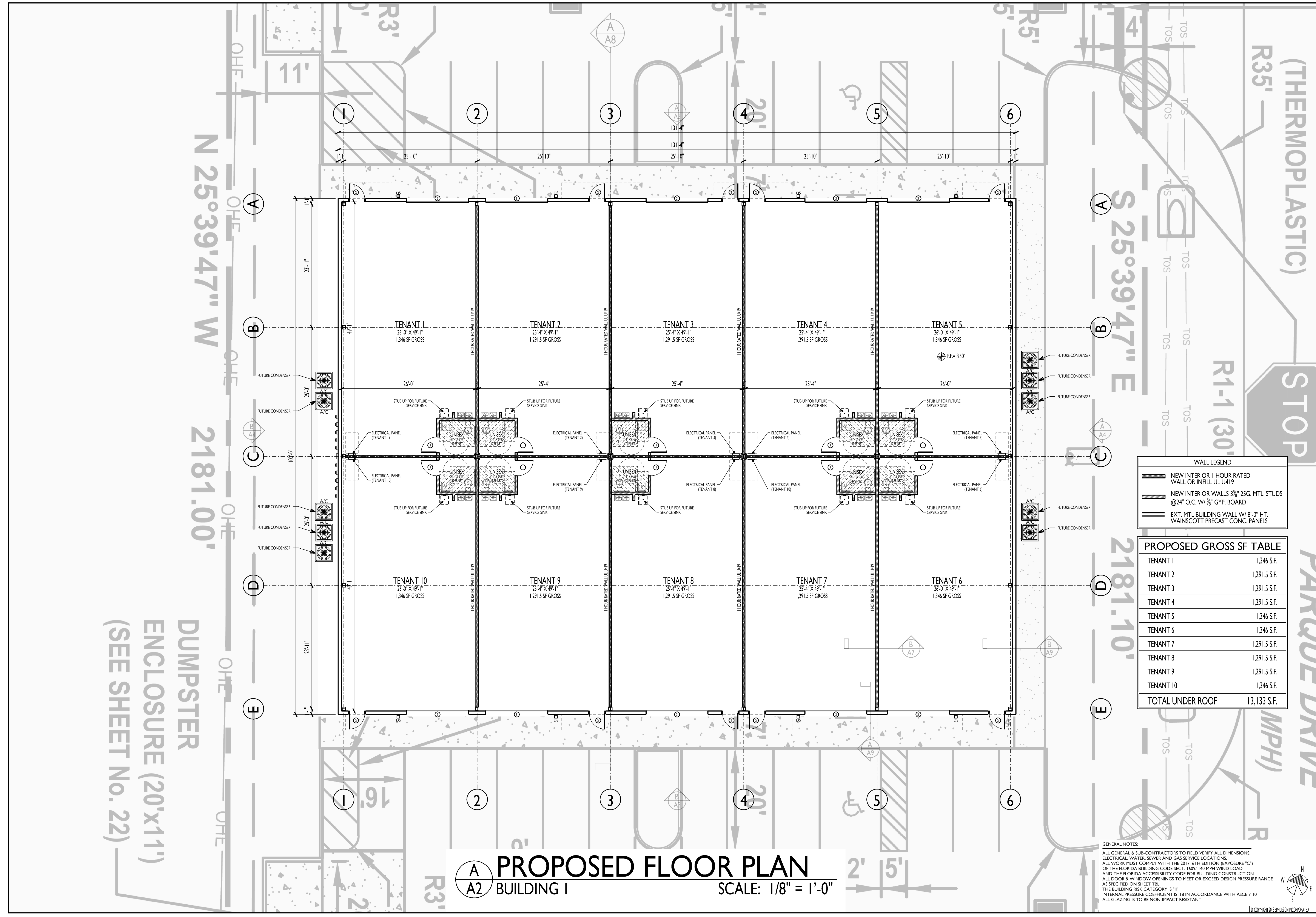
PARQUE DRIVE BUSINESS PARK - BUILDING I

OWNER/DEVELOPER: PETER TYDIR, OWNER, TYDIR, LLC, 418 N SEGRAVE STREET, SUITE B, DAYTONA BEACH, FL 32114
 PROJECT LOCATION: 200 PARQUE DRIVE, BUILDING I, HOLLY HILL, FL 32117
 GENERAL CONTRACTOR: GENERAL MECHANICAL CORPORATION, PETER M. TYDIR, PRESIDENT, CGCAS7756, 418 N. SEGRAVE ST., SUITE B, DAYTONA BEACH, FL 32114, PH: (386) 255-3222, FX: (386) 258-8974

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 E-MAIL: bfredley@bpfdesign.com, WEBSITE: bpfdesign.com

PROPOSED FLOOR PLAN	
DRAWN BY: TBM & BM	CHECKED BY: DRP & BPF
DATE: NOVEMBER 13, 2018	SHT NO. A2
SCALE: 1/8" = 1'-0"	

ARCHITECTS / ENGINEER'S SEAL



WALL LEGEND

	NEW INTERIOR 1 HOUR RATED WALL OR INFILL UL U419
	NEW INTERIOR WALLS 3/8" 25G. MTL. STUDS @24" O.C. W/ 3/8" GYP. BOARD
	EXT. MTL BUILDING WALL W/ 8'-0" HT. WAINSCOTT PRECAST CONC. PANELS

PROPOSED GROSS SF TABLE

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TENANT 8	1,291.5 S.F.
TENANT 9	1,291.5 S.F.
TENANT 10	1,346 S.F.
TOTAL UNDER ROOF	13,133 S.F.

GENERAL NOTES:

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 ALL DOOR & WINDOW OPENINGS TO MEET OR EXCEED DESIGN PRESSURE RANGE AS SPECIFIED ON SHEET TBL.
 THE BUILDING RISK CATEGORY IS "II"
 INTERNAL PRESSURE COEFFICIENT IS .18 IN ACCORDANCE WITH ASCE 7-10
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PROPOSED FLOOR PLAN
 BUILDING I
 SCALE: 1/8" = 1'-0"

DUMPSTER ENCLOSURE (20'x11')
 (SEE SHEET No. 22)

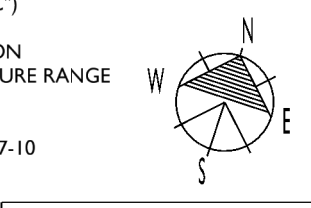
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 2181.00'

S 25°39'47" E
 2181.10'

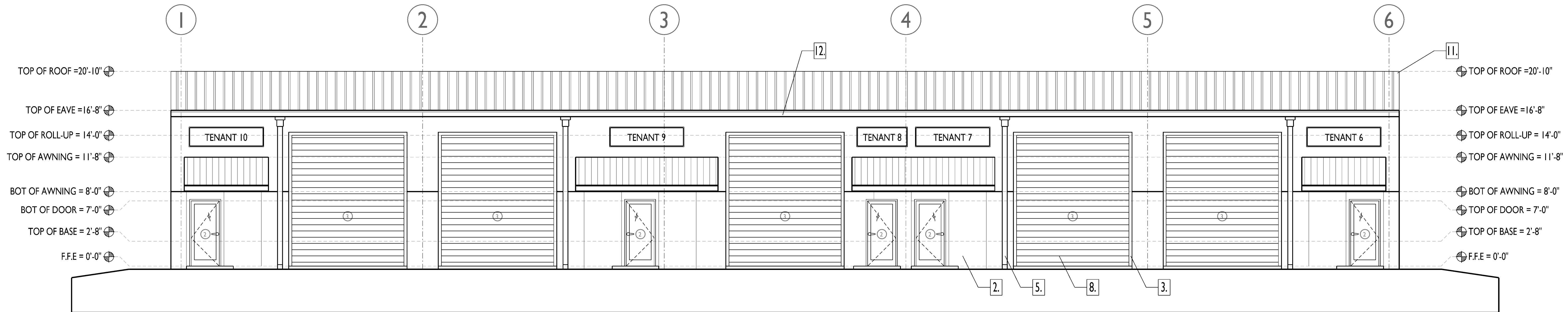
(THERMOPLASTIC)
 STOP

R1-1 (30')

PARQUE DRIVE

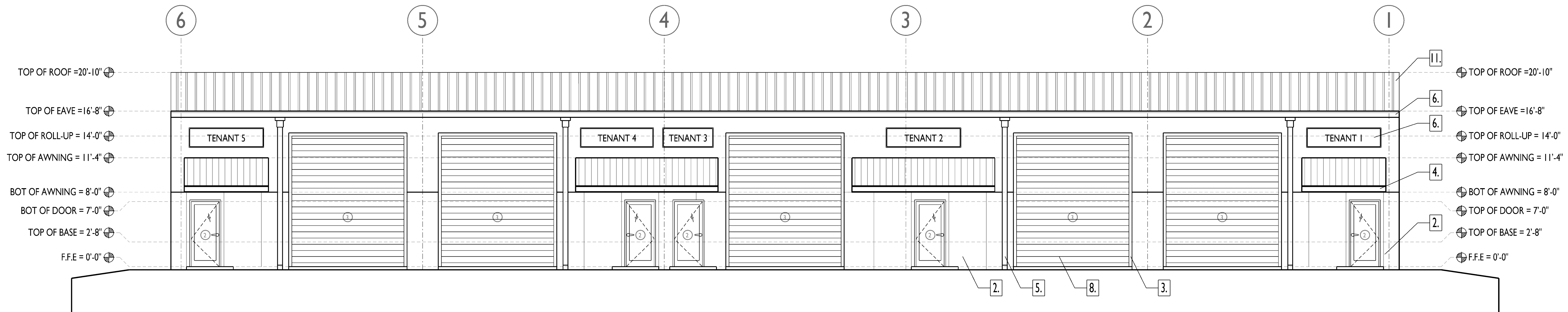


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B
A3 SOUTH ELEVATION
BUILDING I SCALE: 3/16" = 1'-0"

BUILDING COLOR SCHEDULE					
BUILDING ELEMENT	MATERIAL	SPECIFIED COLOR	BUILDING ELEMENT	MATERIAL	SPECIFIED COLOR
1. MAIN BODY WALLS	MTL. BUILDING PANEL	EVERGREEN	7. ELECT./JPL. EQUIPMENT	VARIES	SW 6149- RELAXED KHAKI
2. BUILDING BASE	PRECAST CONC. PANEL	SW 6152- SUPERIOR BRONZE	8. GARAGE DOORS	ALUMINUM	FACTORY TAN
3. ACCENT BANDING	8" STUCCO OVER CMU	SW 6149- RELAXED KHAKI	9. NOT USED	NOT USED	NOT USED
4. AWNINGS	PRE-FAB ALUM. AWNING	BERRIDGE SHASTA WHITE	10. NOT USED	NOT USED	NOT USED
5. FASCIA AND GUTTERS	ALUMINUM	SW 6149- RELAXED KHAKI	11. ROOF	STANDING SEAM MTL. ROOF	BERRIDGE SHASTA WHITE
6. WINDOW/DOOR FRAMES	ALUMINUM	FACTORY TAN	12. SIGNAGE	8" STUCCO	SW 6149- RELAXED KHAKI



A
A3 NORTH ELEVATION
BUILDING I SCALE: 3/16" = 1'-0"

BUILDING COLOR SCHEDULE					
BUILDING ELEMENT	MATERIAL	SPECIFIED COLOR	BUILDING ELEMENT	MATERIAL	SPECIFIED COLOR
1. MAIN BODY WALLS	MTL. BUILDING PANEL	EVERGREEN	7. ELECT./JPL. EQUIPMENT	VARIES	SW 6149- RELAXED KHAKI
2. BUILDING BASE	PRECAST CONC. PANEL	SW 6152- SUPERIOR BRONZE	8. GARAGE DOORS	ALUMINUM	FACTORY TAN
3. ACCENT BANDING	8" STUCCO OVER CMU	SW 6149- RELAXED KHAKI	9. NOT USED	NOT USED	NOT USED
4. AWNINGS	PRE-FAB ALUM. AWNING	BERRIDGE SHASTA WHITE	10. NOT USED	NOT USED	NOT USED
5. FASCIA AND GUTTERS	ALUMINUM	SW 6149- RELAXED KHAKI	11. ROOF	STANDING SEAM MTL. ROOF	BERRIDGE SHASTA WHITE
6. WINDOW/DOOR FRAMES	ALUMINUM	FACTORY TAN	12. SIGNAGE	8" STUCCO	SW 6149- RELAXED KHAKI

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PARQUE DRIVE BUSINESS PARK - BUILDING I

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 PROJECT LOCATION: 200 PARQUE DRIVE, BUILDING I, HOLLY HILL, FL 32117
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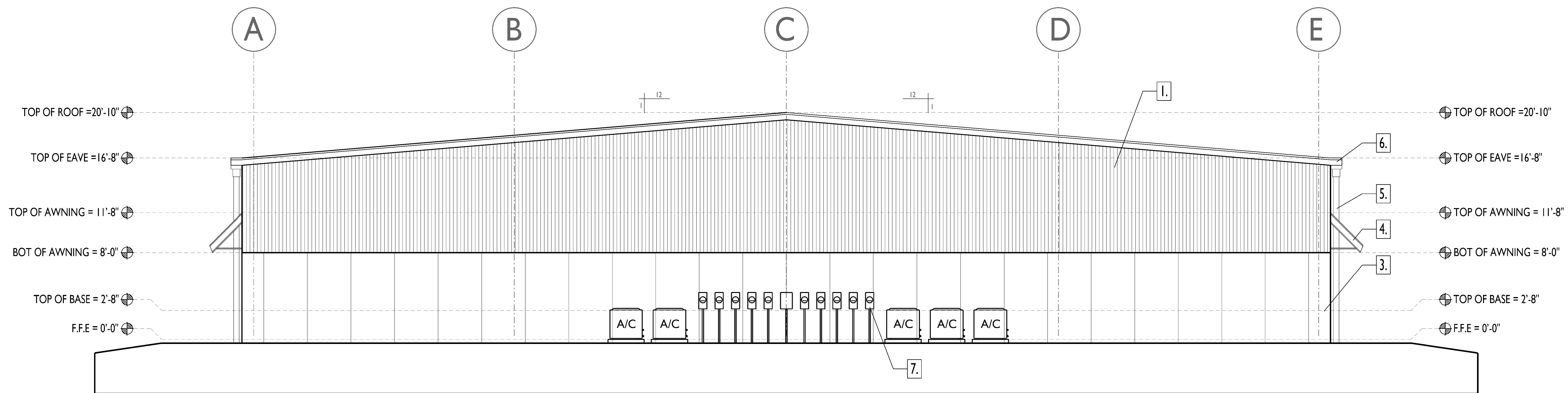
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 E-MAIL: bfredley@bpfdesign.com WEBSITE: bpfdesign.com

BUILDING ELEVATIONS- NORTH & SOUTH

DRAWN BY: TRM & BM CHECKED BY: DRP & BPF
 DATE: NOVEMBER 13, 2018
 SCALE: 3/16" = 1'-0"
SHT NO. A3

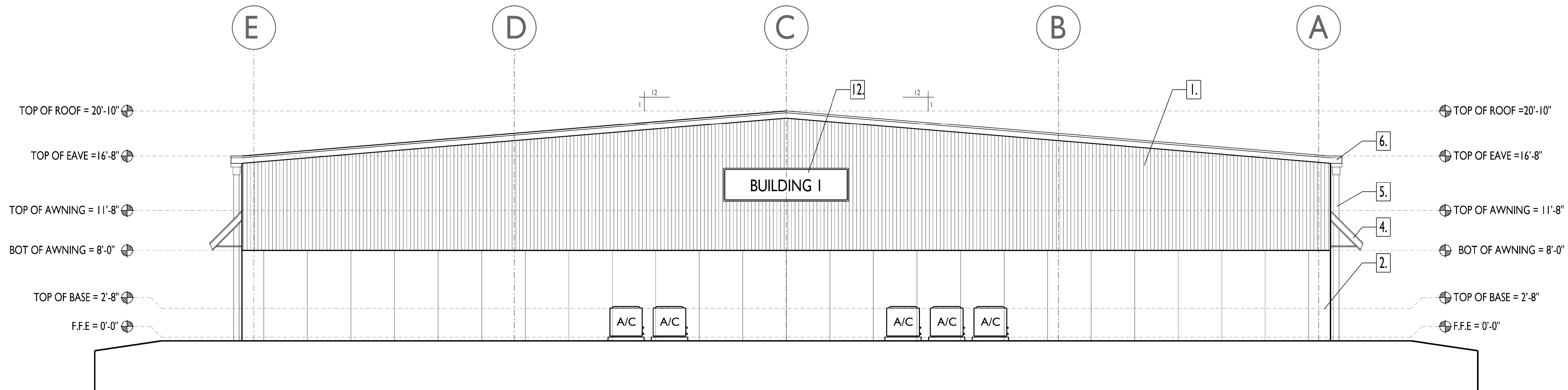
0 4 8 12
 ARCHITECT'S / ENGINEER'S SEAL

NO.	REVISIONS



B
A4 WEST ELEVATION
BUILDING I
SCALE: 3/16" = 1'-0"

BUILDING COLOR SCHEDULE					
BUILDING ELEMENT	MATERIAL	SPECIFIED COLOR	BUILDING ELEMENT	MATERIAL	SPECIFIED COLOR
1. MAIN BODY WALLS	MTL. BUILDING PANEL	EVERGREEN	7. ELECT./JPL. EQUIPMENT	VARIES	SW 6149- RELAXED KHAKI
2. BUILDING BASE	PRECAST CONC. PANEL	SW 6152- SUPERIOR BRONZE	8. GARAGE DOORS	ALUMINUM	FACTORY TAN
3. ACCENT BANDING	5/8" STUCCO OVER CMU	SW 6149- RELAXED KHAKI	9. NOT USED	NOT USED	NOT USED
4. AWNINGS	PRE-FAB ALUM. AWNING	BERRIDGE SHASTA WHITE	10. NOT USED	NOT USED	NOT USED
5. FASCIA AND GUTTERS	ALUMINUM	SW 6149- RELAXED KHAKI	11. ROOF	STANDING SEAM MTL. ROOF	BERRIDGE SHASTA WHITE
6. WINDOW/DOOR FRAMES	ALUMINUM	FACTORY TAN	12. SIGNAGE	5/8" STUCCO	SW 6149- RELAXED KHAKI



A
A4 EAST ELEVATION
BUILDING I
SCALE: 3/16" = 1'-0"

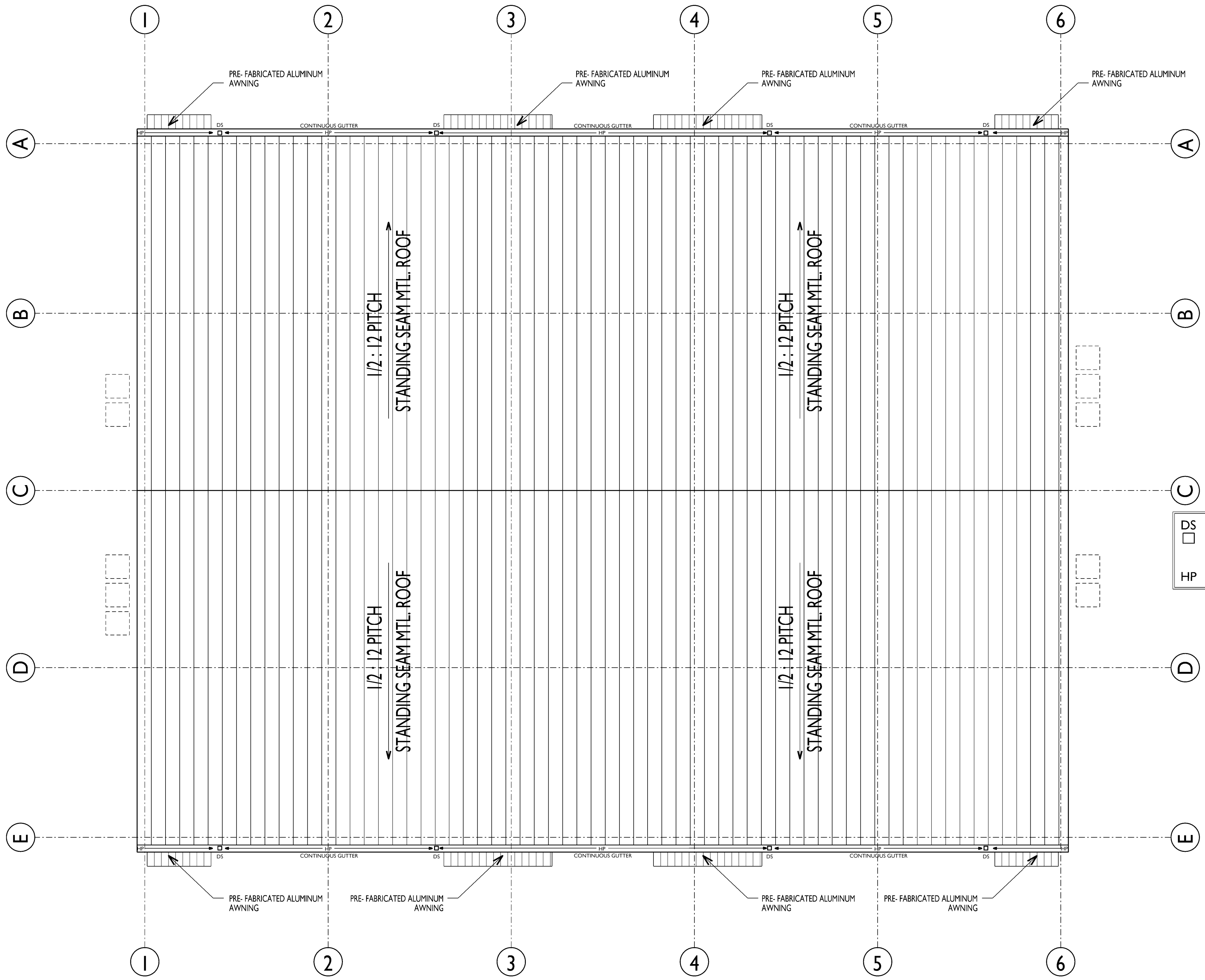
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BUILDING ELEMENT	MATERIAL	SPECIFIED COLOR	BUILDING ELEMENT	MATERIAL	SPECIFIED COLOR
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3. ACCENT BANDING	5/8" STUCCO OVER CMU	SW 6149- RELAXED KHAKI	9. NOT USED	NOT USED	NOT USED
4. AWNINGS	PRE-FAB ALUM. AWNING	BERRIDGE SHASTA WHITE	10. NOT USED	NOT USED	NOT USED
5. FASCIA AND GUTTERS	ALUMINUM	SW 6149- RELAXED KHAKI	11. ROOF	STANDING SEAM MTL. ROOF	BERRIDGE SHASTA WHITE
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 E-MAIL: bfredley@bpfdesign.com WEBSITE: bpfdesign.com

BUILDING ELEVATIONS- EAST & WEST
 DRAWN BY: TRM & BM
 CHECKED BY: DRP & BPF
 DATE: NOVEMBER 13, 2018
 SCALE: 3/16" = 1'-0"
 SHT NO. A4
 ARCHITECTS / ENGINEER'S SEAL

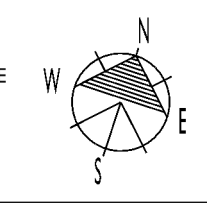


DS = 6" DIA. ALUM. DOWNSPOUT TO DRAIN ONTO THE GROUND. ON CONCRETE DIRECTIONAL KICKOUTS (REFER TO CIVIL PLANS)
 HP = HIGH POINT OF CONTINUOUS GUTTER SYSTEM

PROPOSED GROSS SF TABLE	
TENANT 1	1,346 S.F.
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TENANT 3	1,291.5 S.F.
TENANT 4	1,291.5 S.F.
TENANT 5	1,346 S.F.
TENANT 6	1,346 S.F.
TENANT 7	1,291.5 S.F.
TENANT 8	1,291.5 S.F.
TENANT 9	1,291.5 S.F.
TENANT 10	1,346 S.F.
TOTAL UNDER ROOF	13,133 S.F.

A
A5 **PROPOSED ROOF PLAN**
SCALE: 1/8" = 1'-0"

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REVISIONS

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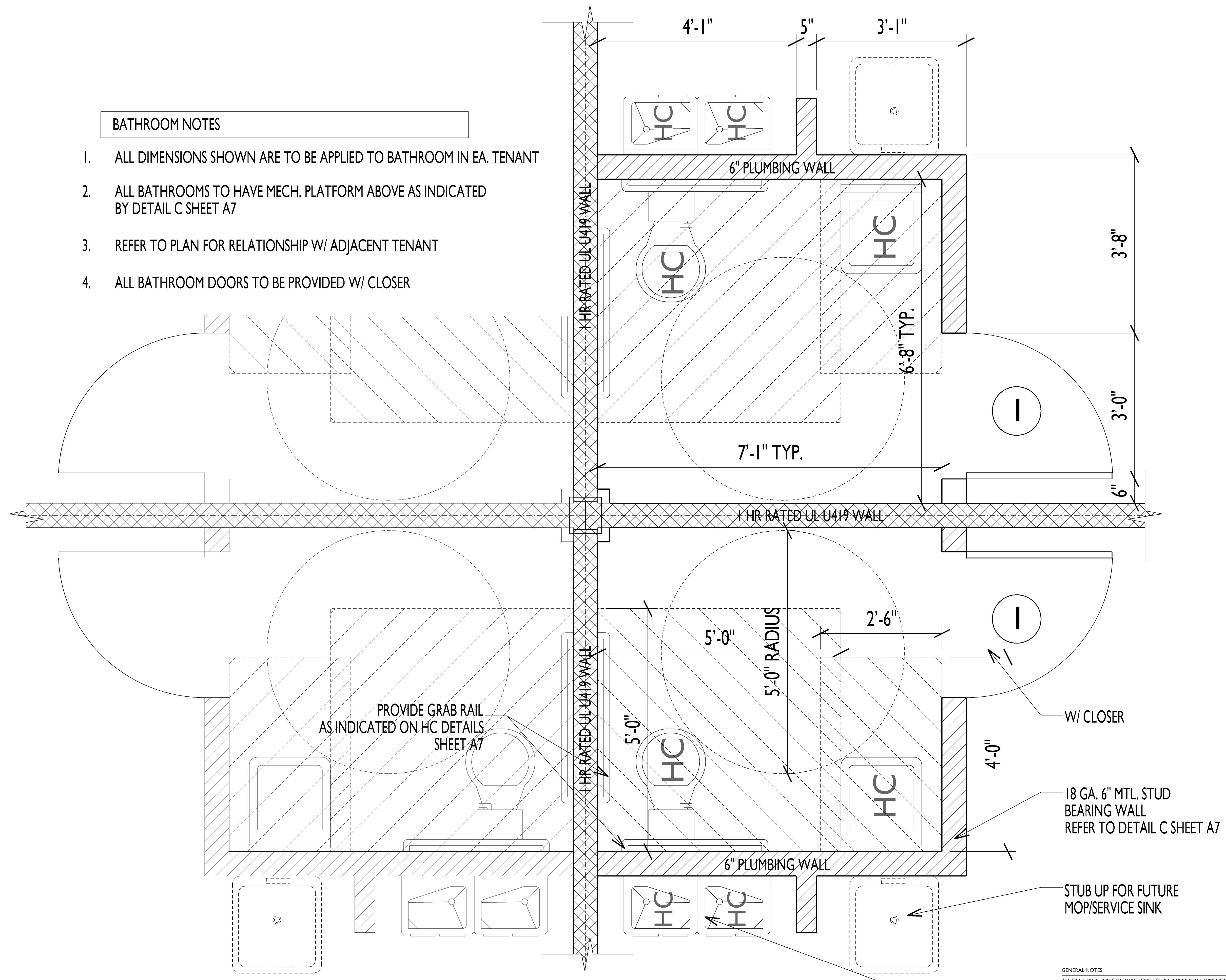
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PROPOSED ROOF PLAN
 DRAWN BY: TBY & BMY CHECKED BY: DRP & BRF
 DATE: NOVEMBER 13, 2018
 SCALE: 1/8" = 1'-0"
SHT NO. A5

ARCHITECTS / ENGINEER'S SEAL

BATHROOM NOTES

1. ALL DIMENSIONS SHOWN ARE TO BE APPLIED TO BATHROOM IN EA. TENANT
2. ALL BATHROOMS TO HAVE MECH. PLATFORM ABOVE AS INDICATED BY DETAIL C SHEET A7
3. REFER TO PLAN FOR RELATIONSHIP W/ ADJACENT TENANT
4. ALL BATHROOM DOORS TO BE PROVIDED W/ CLOSER



A6 ENLARGED BATHROOM PLAN
TYPICAL SCALE: 1" = 1'-0"

GENERAL NOTES:
 ALL GENERAL & SUB-CONTRACTORS TO FIELD VERIFY ALL DIMENSIONS.
 ELECTRICAL, WATER, SEWER AND GAS SERVICE LOCATIONS:
 ALL WORK MUST COMPLY WITH THE 2017 6TH EDITION (EXPOSURE "C")
 OF THE FLORIDA BUILDING CODE SECT. 1609/ 140 MPH WIND LOAD
 AND THE FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION
 ALL DOOR & WINDOW OPENINGS TO MEET OR EXCEED DESIGN PRESSURE RANGE
 AS SPECIFIED ON SHEET TBL
 THE BUILDING RISK CATEGORY IS "I"
 INTERNAL PRESSURE COEFFICIENT IS .18 IN ACCORDANCE WITH ASCE 7-10
 ALL GLAZING IS TO BE NON-IMPACT RESISTANT

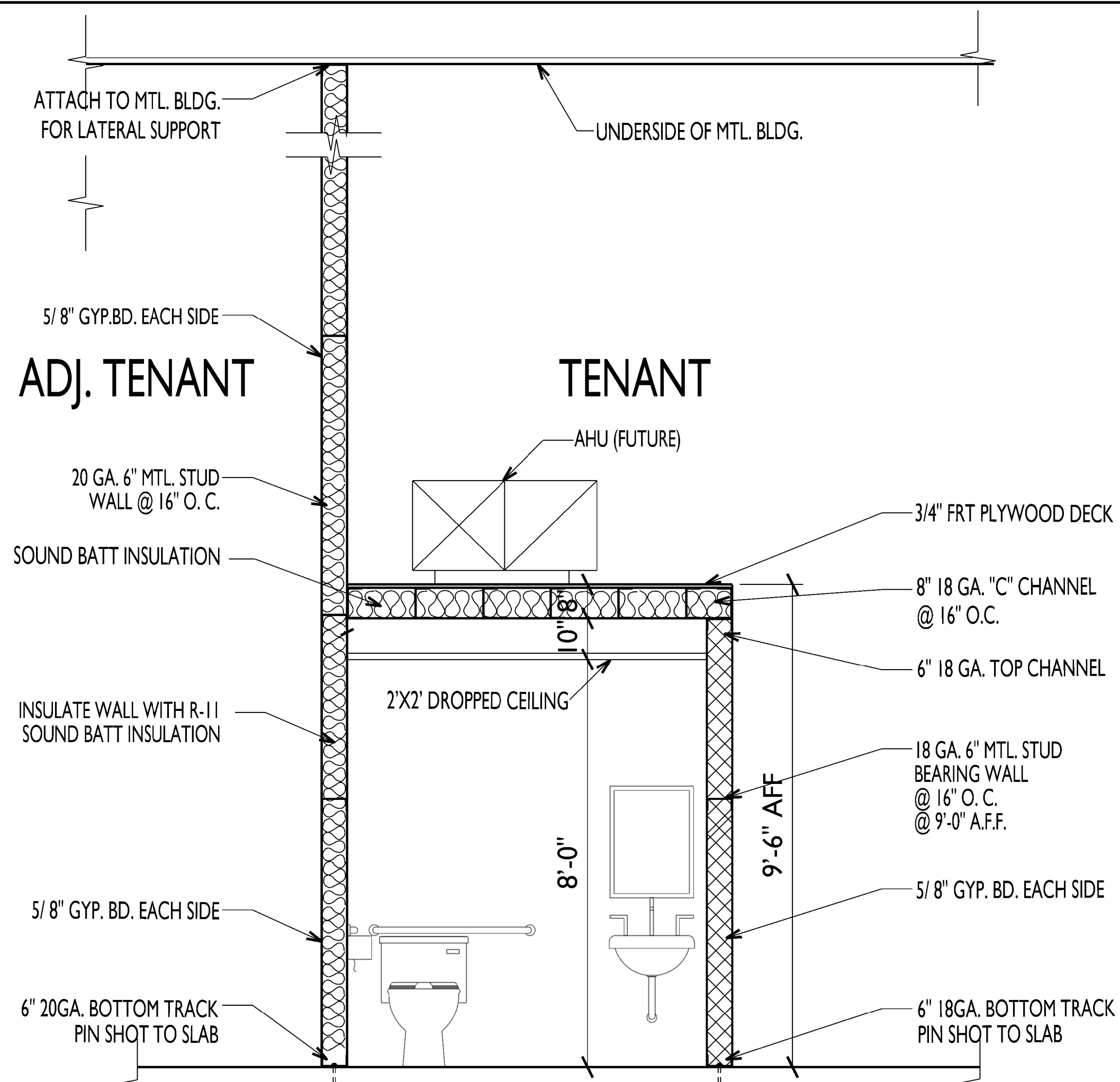
REVISIONS

PARQUE DRIVE BUSINESS PARK - BUILDING I
 OWNER/DEVELOPER: PETER TYDIR, OWNER, TYDIR, LLC, 418 N SEGRAVE STREET, SUITE B, DAYTONA BEACH, FL 32114
 PROJECT LOCATION: 200 PARQUE DRIVE, BUILDING I, HOLLY HILL, FL 32117
 GENERAL CONTRACTOR: GENERAL MECHANICAL CORPORATION, PETER M. TYDIR, PRESIDENT, CGCAS7756, 418 N. SEGRAVE ST., SUITE B, DAYTONA BEACH, FL 32114,
 PH: (386)255-5222 FX: (386)258-8974

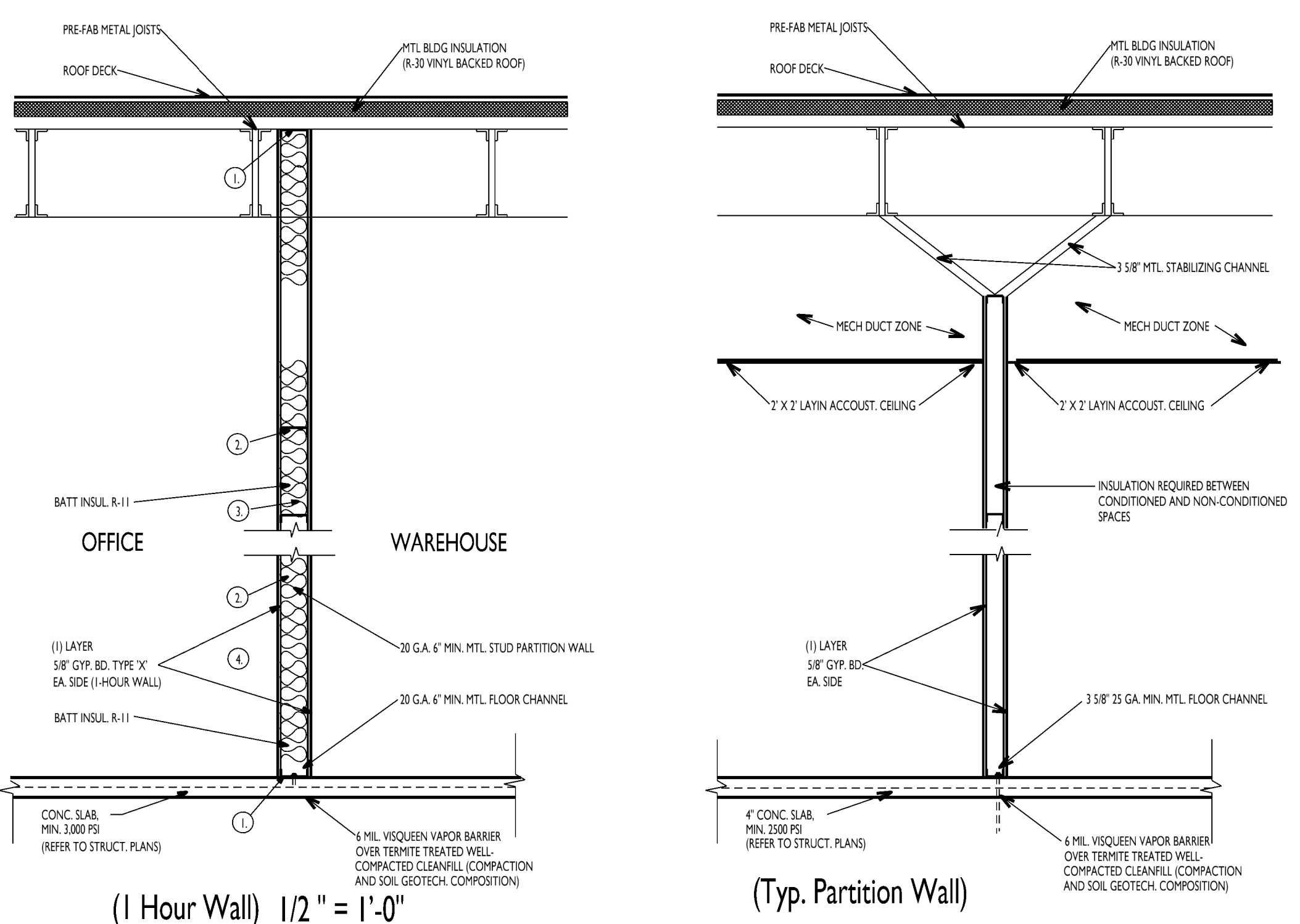
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 ARCHITECTURE, DESIGN, & DRAWING SERVICES
 BRIAN P. FREDLEY, ASSOC. AIA, PROJECT MANAGER
 # AA 26001108
 DALLAS B. PEACOCK, AIA, ARCHITECT
 # AR 0009706
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TYPICAL HC BATHROOM ENLARGED PLAN	
DRAWN BY: TBM & BM	CHECKED BY: DRP & BPF
DATE: NOVEMBER 13, 2018	SHT NO. A6
SCALE: 1"=1'-0"	

ARCHITECT'S / ENGINEER'S SEAL

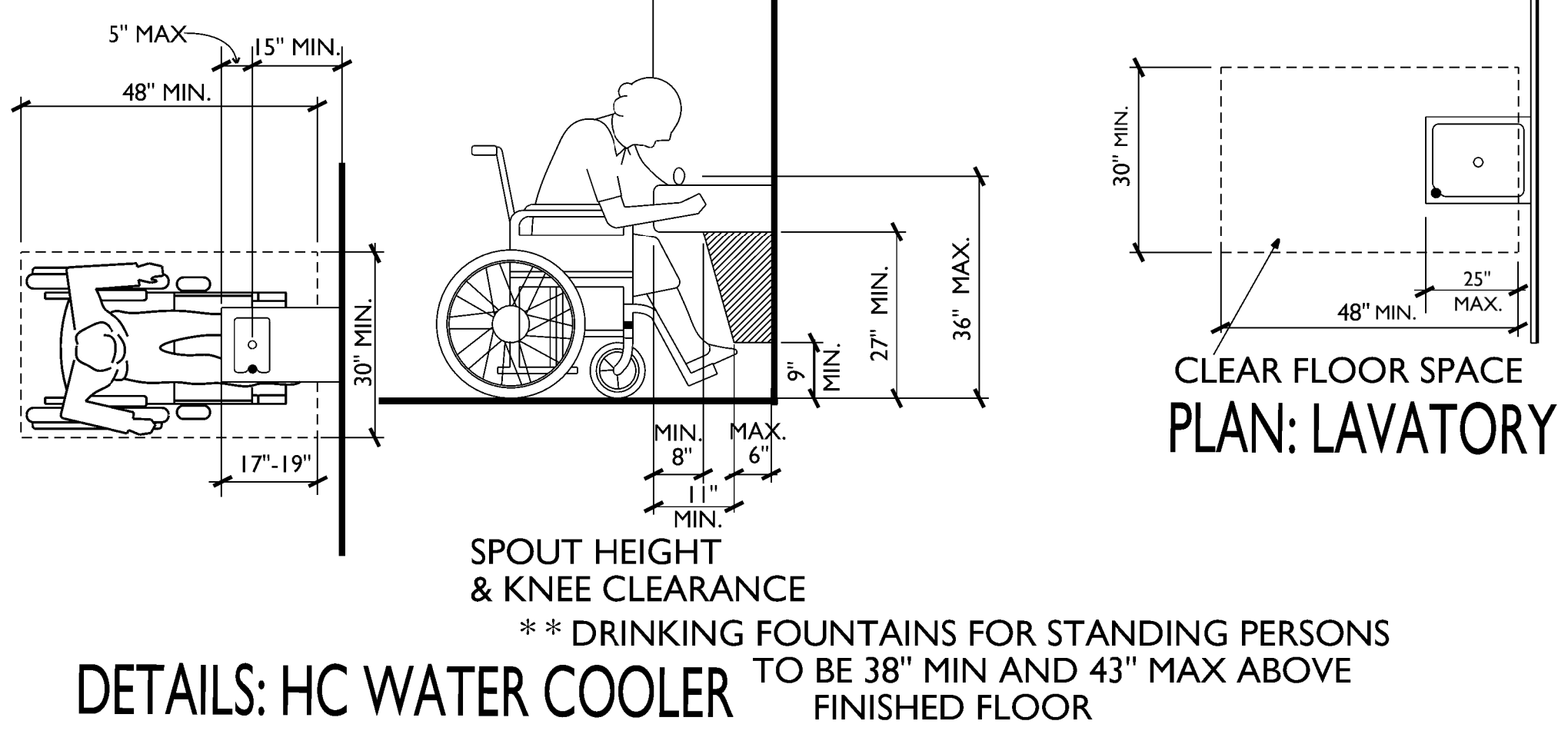
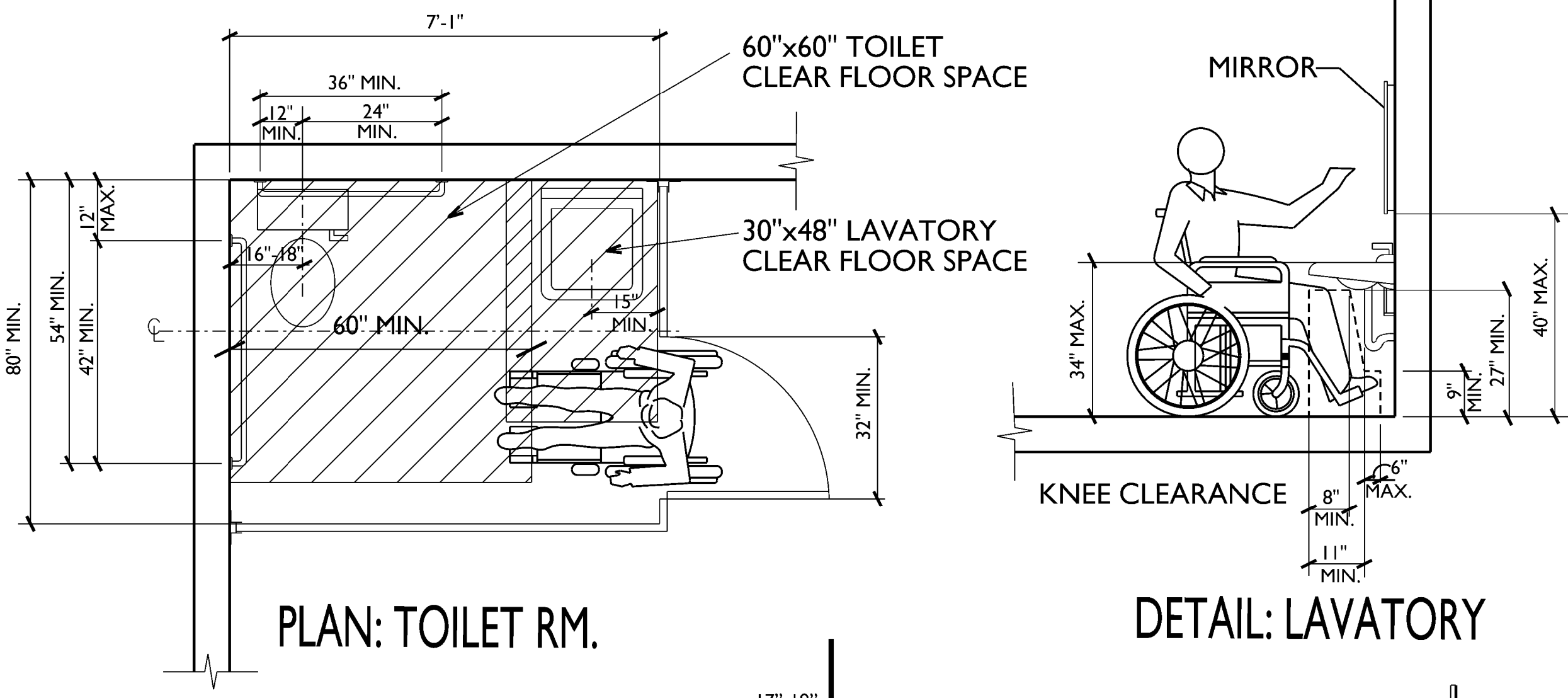
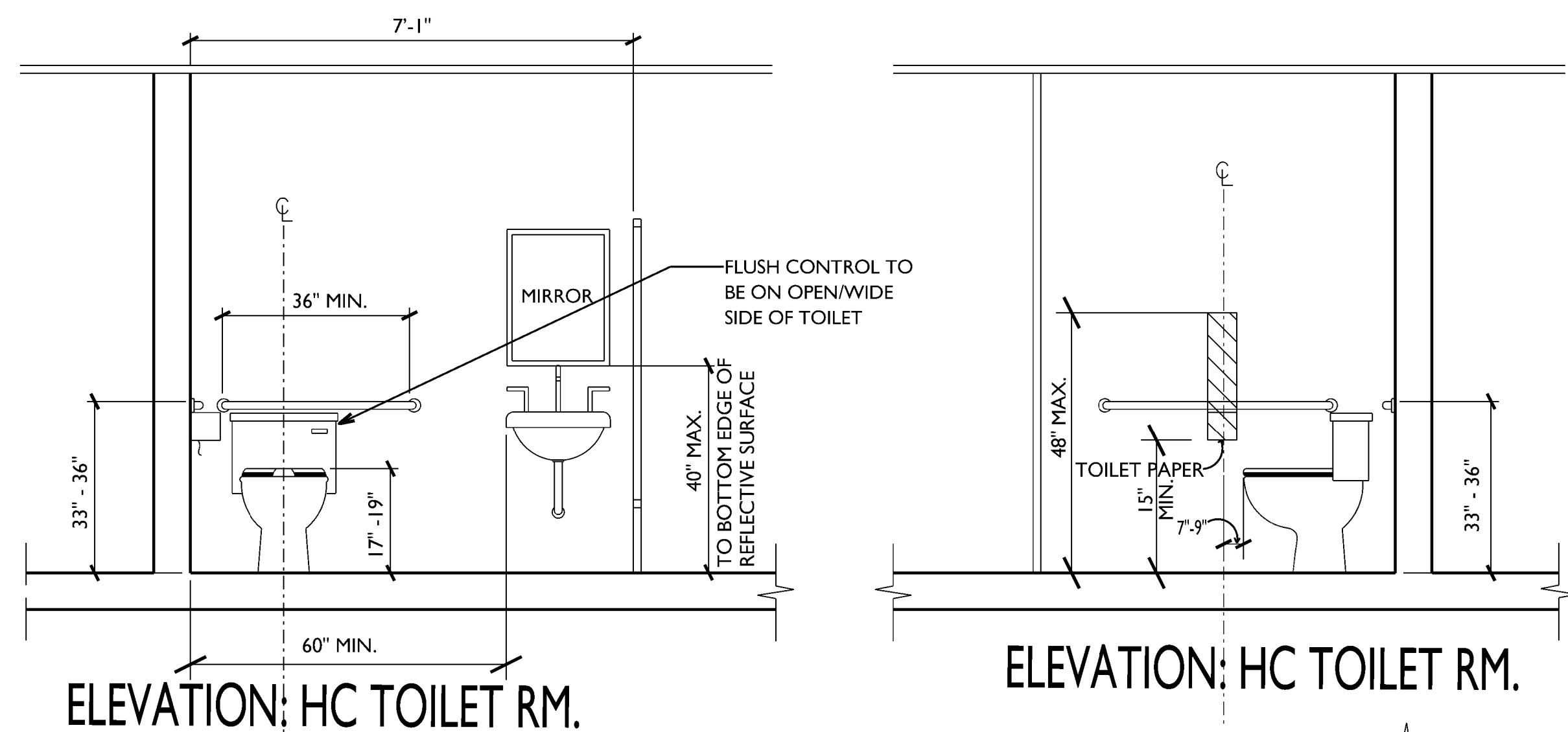


(C) MECH. PLATFORM DETAIL
 A7 TYPICAL ALL TENANTS SCALE: 1/2" = 1'-0"



(B) INTERIOR PARTITIONS:
 A7 TYPICAL ALL TENANTS SCALE: 1/2" = 1'-0"

- UL DESIGN NO. L419 (1 HOUR NON BEARING WALL RATING)
- FLOOR & CEILING RUNNERS: CHANNEL SHAPED RUNNERS, 3/8" WIDE (MIN.) x 1-1/4" LEGS, FORMED FROM MIN. NO. 20 MSG GALV. STEEL, ATTACHED TO FLOOR & CEILING W/FASTENERS SPACED 24" O.C. (MAX.)
 - STEEL STUDS: CHANNEL SHAPED, 3/8" WIDE (MIN.) x 1-1/4" LEGS, 3/8" FOLD BACK RETURNS, FORMED W/ MIN. NO. 20 MSG GALV. STEEL, SPACED AT 24" O.C. (MAX.)
 - BATTIS & BLANKETS: (OPTIONAL) GLASS FIBER COMPLETELY FILLING STUD CAVITY.
 - GYP/PLM BOARD: 5/8" THICK, 4" WIDE, ATTACHED TO STEEL STUDS & FLOOR & CEILING TRACK W/ 1" LONG, TYPE S STEEL SCREWS SPACED @ 12" O.C. ALONG EDGES OF BOARD & 12" O.C. IN THE FIELD OF BOARDS. JOINTS ORIENTED VERTICALLY AND STAGGERED ON OPPOSITE SIDES OF THE ASSEMBLY.



(A) H.C. DETAILS
 A7 TYPICAL ALL TENANTS SCALE: 1/2" = 1'-0"

GENERAL NOTES:
 ALL GENERAL & SUB-CONTRACTORS TO FIELD VERIFY ALL DIMENSIONS. ELECTRICAL, WATER, SEWER AND GAS SERVICE LOCATIONS. ALL WORK MUST COMPLY WITH THE 2017 6TH EDITION (EXPOSURE 'C') OF THE FLORIDA BUILDING CODE SECT. 1609/ 140 MPH WIND LOAD AND THE FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION ALL DOOR & WINDOW OPENINGS TO MEET OR EXCEED DESIGN PRESSURE RANGE AS SPECIFIED ON SHEET TBL. THE BUILDING RISK CATEGORY IS 'II' INTERNAL PRESSURE COEFFICIENT IS .18 IN ACCORDANCE WITH ASCE 7-10 ALL GLAZING IS TO BE NON-IMPACT RESISTANT

REVISIONS

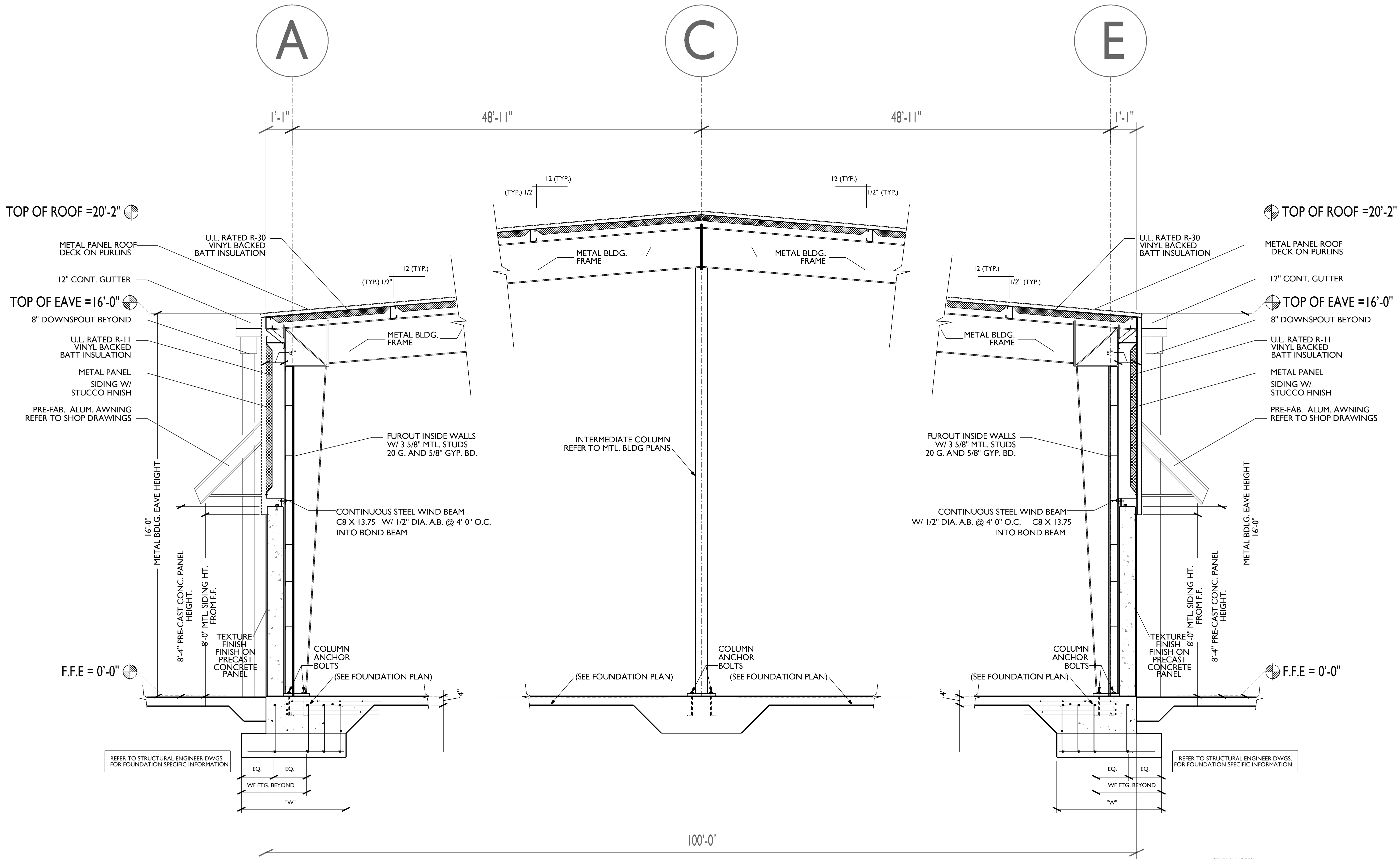
PARQUE DRIVE BUSINESS PARK - BUILDING I
 OWNER/DEVELOPER: PETER TYDIR, OWNER, TYDIR, LLC, 418 N SEGRAVE STREET, SUITE B, DAYTONA BEACH, FL 32114
 PROJECT LOCATION: 200 PARQUE DRIVE, BUILDING I, HOLLY HILL, FL 32117
 GENERAL CONTRACTOR: GENERAL MECHANICAL CORPORATION, PETER M. TYDIR, PRESIDENT, CGCAS7756, 418 N. SEGRAVE ST., SUITE B, DAYTONA BEACH, FL 32114, PH: (386) 255-3222 FX: (386) 258-8974

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 E-MAIL: bfredley@bpfdesign.com WEBSITE: bpfdesign.com

H.C. DETAILS, INTERIOR PARTITIONS	
DRAWN BY: TBM & BM	CHECKED BY: DRP & BPF
DATE: NOVEMBER 13, 2018	SHT NO. A7
SCALE: 1/2" = 1'-0"	

ARCHITECT'S / ENGINEER'S SEAL

REVISIONS



A
A8

BUILDING SECTION

W/ INFORMATION

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

GENERAL NOTES:
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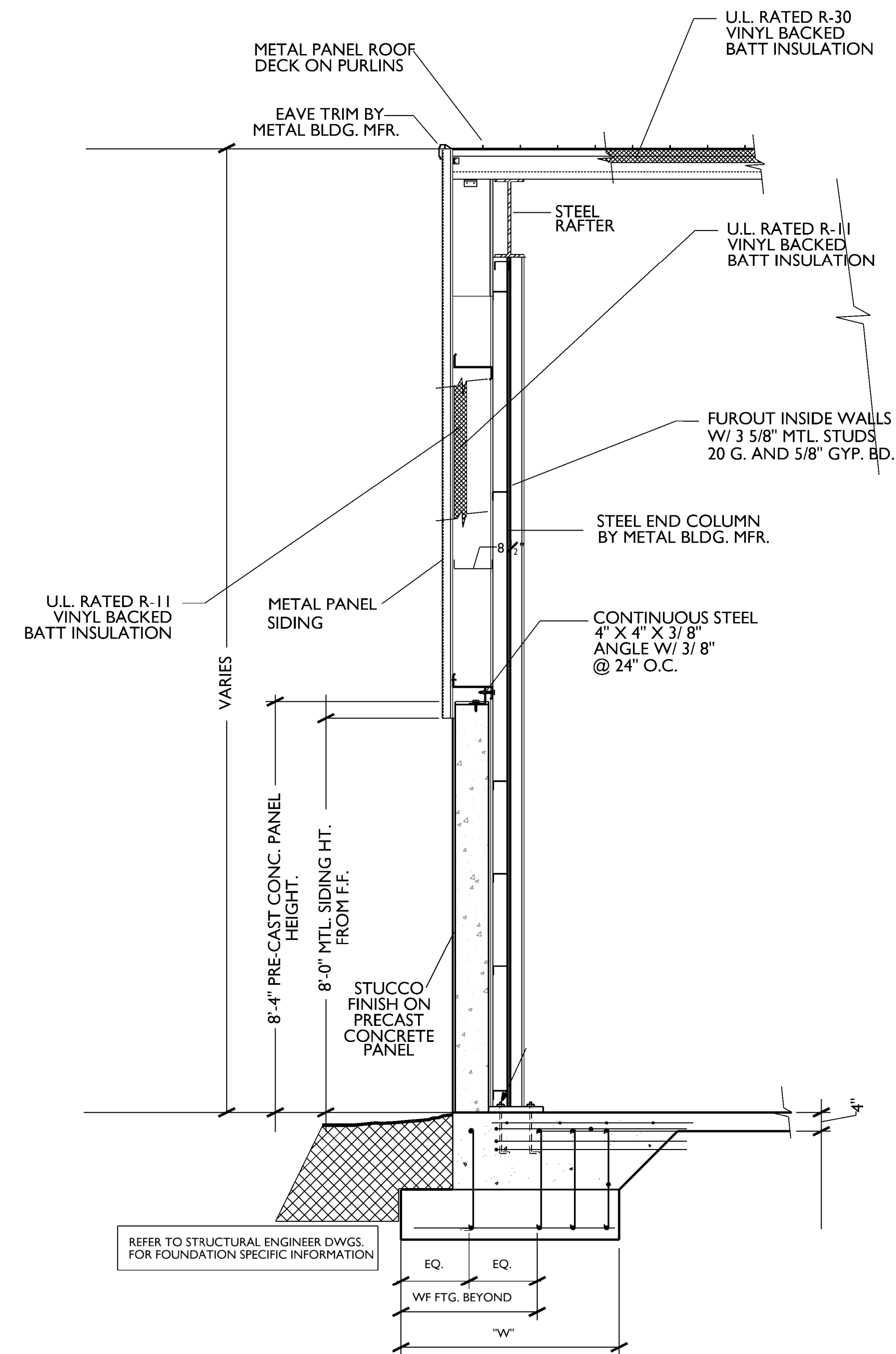
PARQUE DRIVE BUSINESS PARK - BUILDING I

OWNER/DEVELOPER: PETER TYDIR, OWNER, TYDIR, LLC, 418 N SEGRAVE STREET, SUITE B, DAYTONA BEACH, FL 32114
 PROJECT LOCATION: 200 PARQUE DRIVE, BUILDING I, HOLLY HILL, FL 32117
 GENERAL CONTRACTOR: GENERAL MECHANICAL CORPORATION, PETER M. TYDIR, PRESIDENT, CGCAS7756, 418 N. SEGRAVE ST., SUITE B, DAYTONA BEACH, FL 32114,
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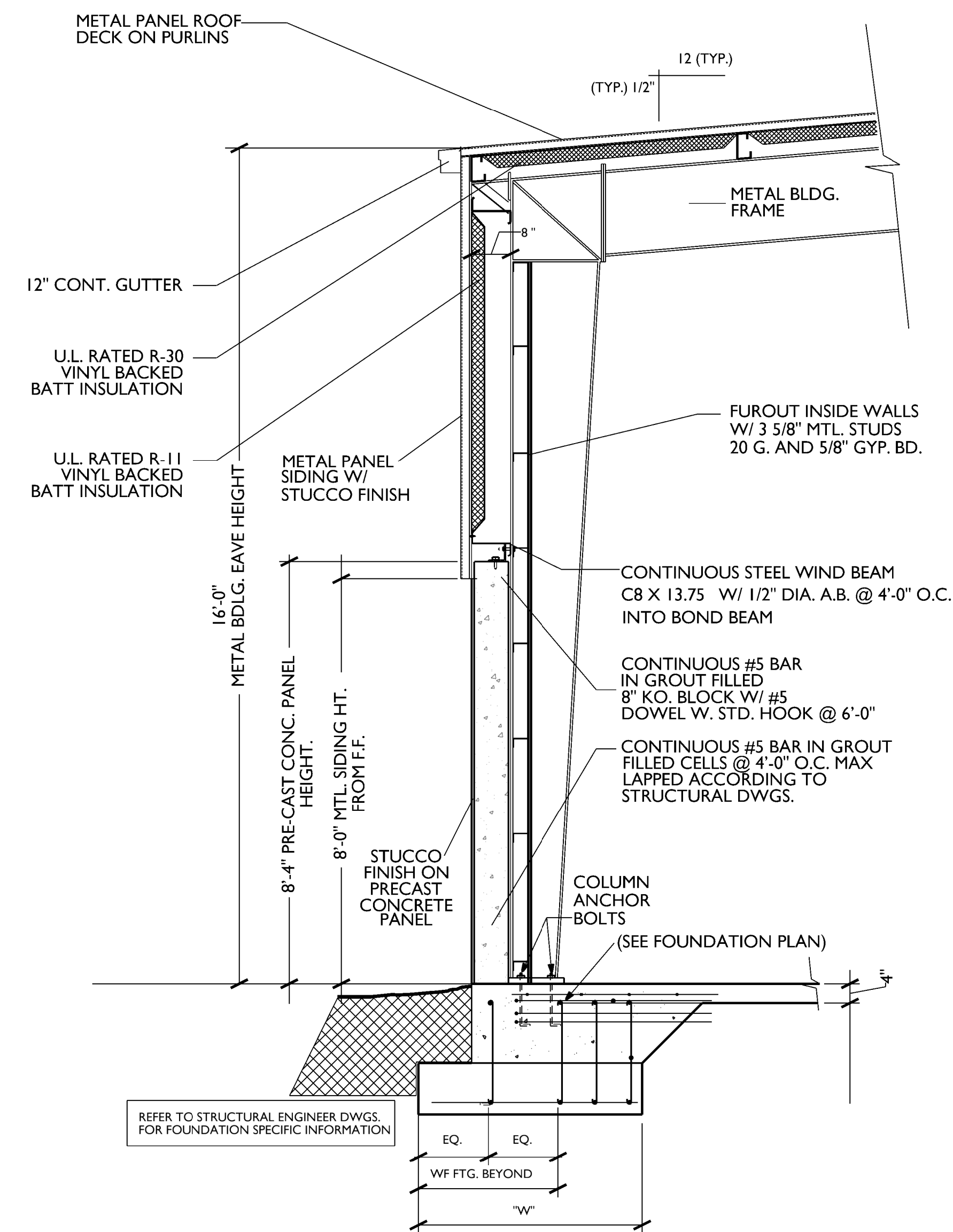
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BUILDING SECTION	
DRAWN BY: TBM & BM	CHECKED BY: DRP & BPF
DATE: NOVEMBER 13, 2018	SHT NO. A8
SCALE: 1/2" = 1'-0"	

ARCHITECTS / ENGINEER'S SEAL



B
A9 **TYP. WALL SECTION**
BUILDING I
EAST & WEST EXT. WALLS
SCALE: 1/2" = 1'-0"



A
A9 **TYP. WALL SECTION**
BUILDING I
NORTH & SOUTH EXT. WALLS
SCALE: 1/2" = 1'-0"

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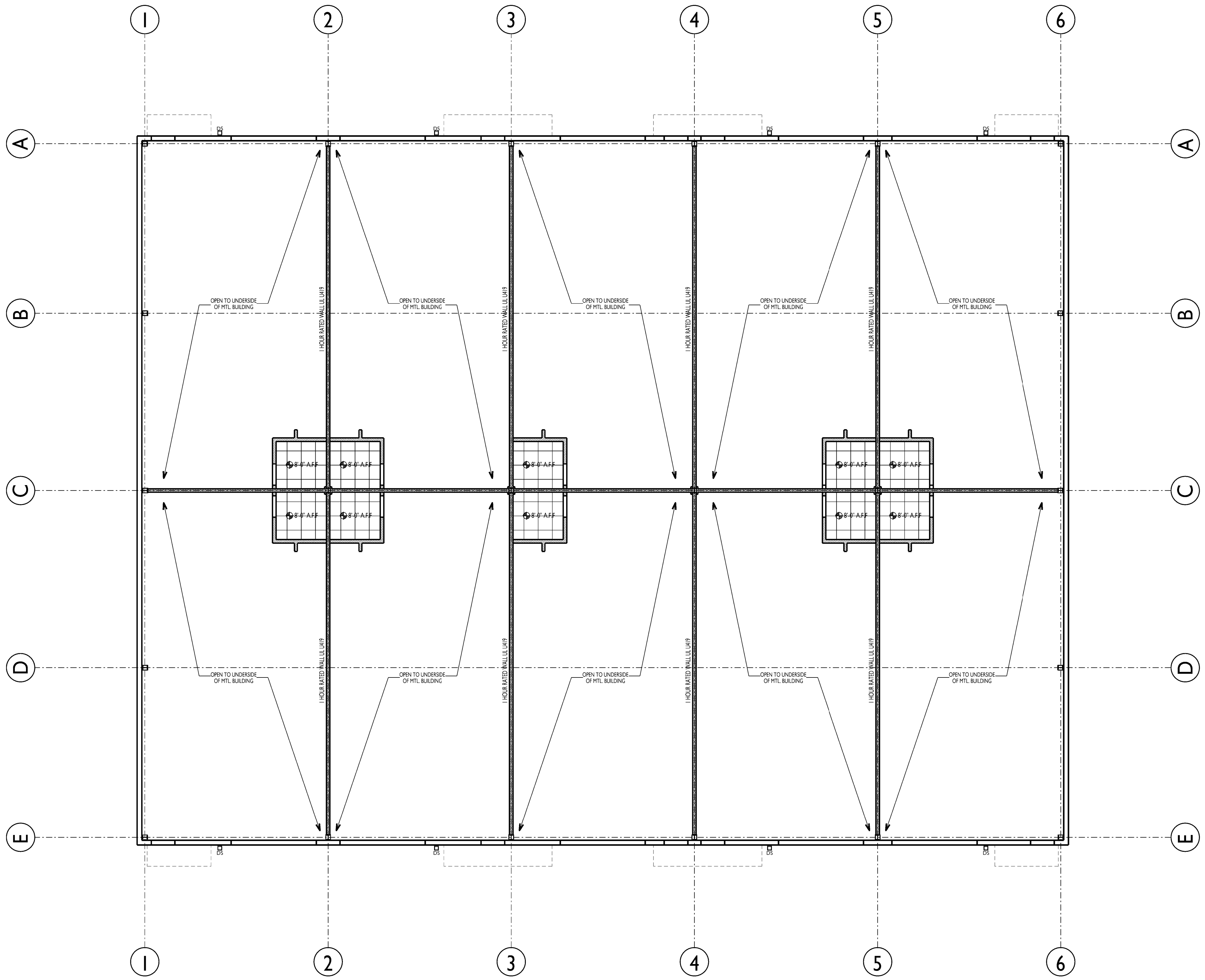
REVISIONS

PARQUE DRIVE BUSINESS PARK - BUILDING I
OWNER/DEVELOPER: PETER TYDIR, OWNER, TYDIR, LLC, 418 N SEGRAVE STREET, SUITE B, DAYTONA BEACH, FL 32114
PROJECT LOCATION: 200 PARQUE DRIVE, BUILDING I, HOLLY HILL, FL 32117
GENERAL CONTRACTOR: GENERAL MECHANICAL CORPORATION, PETER M. TYDIR, PRESIDENT, CGCAS7756, 418 N. SEGRAVE ST., SUITE B, DAYTONA BEACH, FL 32114, PH: (386) 255-5722, FX: (386) 258-8974

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EXT. WALL SECTIONS	
DRAWN BY: TEP & BM	CHECKED BY: DRP & BPF
DATE: NOVEMBER 13, 2018	SHT NO. A9
SCALE: 1/2" = 1'-0"	

ARCHITECTS / ENGINEER'S SEAL



WALL LEGEND

- NEW INTERIOR 1 HOUR RATED WALL OR INFILL UL U419
- NEW INTERIOR WALLS 3 1/2\"/>

PROPOSED GROSS SF TABLE

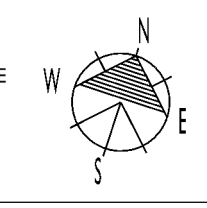
TENANT 1	1,346 S.F.
TENANT 2	1,291.5 S.F.
TENANT 3	1,291.5 S.F.
TENANT 4	1,291.5 S.F.
TENANT 5	1,346 S.F.
TENANT 6	1,346 S.F.
TENANT 7	1,291.5 S.F.
TENANT 8	1,291.5 S.F.
TENANT 9	1,291.5 S.F.
TENANT 10	1,346 S.F.
TOTAL UNDER ROOF	13,133 S.F.

A
ALL

REFLECTED CEILING PLAN

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

GENERAL NOTES:
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 THE BUILDING RISK CATEGORY IS "I"
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REVISIONS

PARQUE DRIVE BUSINESS PARK - BUILDING I

OWNER/DEVELOPER: PETER TYDIR, OWNER, TYDIR, LLC, 418 N SEGRAVE STREET, SUITE B, DAYTONA BEACH, FL 32114
 PROJECT LOCATION: 200 PARQUE DRIVE, BUILDING I, HOLLY HILL, FL, 32117
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 E-MAIL: btfredley@bpfdesign.com WEBSITE: bpfdesign.com

REFLECTED CEILING PLAN

DRAWN BY: TBM & BM CHECKED BY: DRP & BPF

DATE: NOVEMBER 13, 2018

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

SHT NO. A11

0 2 4 6 8 10 12 14 16 18 20

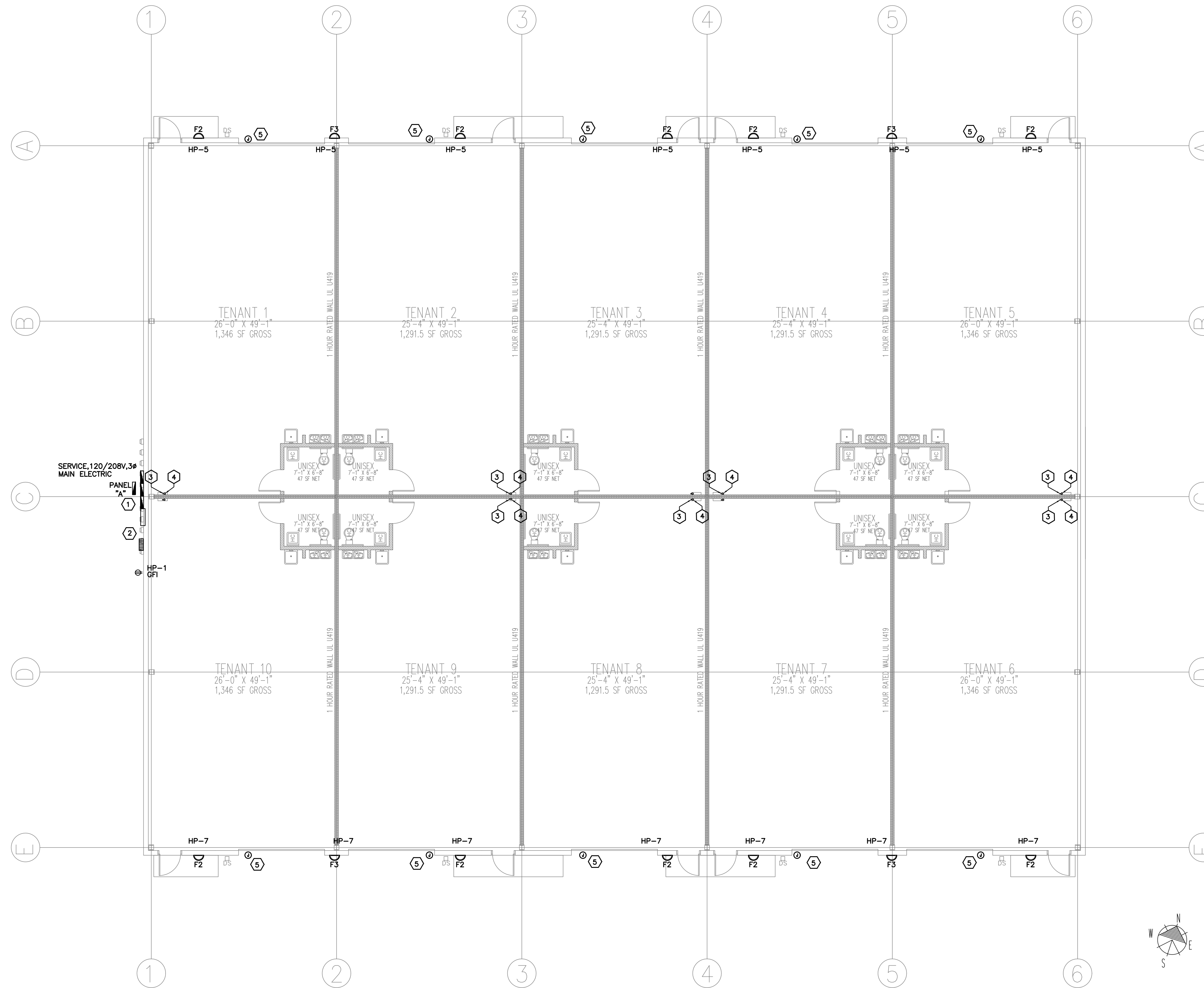
ARCHITECT'S / ENGINEER'S SEAL

ELECTRICAL NOTES:

- ALL LIGHTING AND RECEPTACLE CIRCUITS UP TO 74' IN LENGTH SHALL USE #12 WIRES MINIMUM, CIRCUITS FROM 75' UP TO 129' IN LENGTH SHALL USE #10 WIRES MINIMUM AND FROM 130' AND UP SHALL USE #8 WIRES MINIMUM UNLESS OTHERWISE SPECIFIED.
- THESE DRAWINGS ARE DIAGRAMMATIC - REFER TO ARCHITECTURAL FOR EXACT HEIGHT, DIMENSIONS AND LOCATION.
- THESE SUBMITTED ELECTRICAL DRAWINGS ARE IN COMPLIANCE WITH THE N.E.C. ARTICLE 700.12 AND /OR ARTICLE 700.18.
- OPERATING AND MAINTENANCE MANUALS WILL BE PROVIDE TO OWNER BY ELECTRICAL CONTRACTOR AS REQUIRED PER SECTION C405.6.4.2 IN FBC-ENERGY CONSERVATION (6TH EDITION).
- COORDINATE WITH OWNER FOR EXACT DATA/COMM REQUIREMENTS.
- INSTALL NEW FIRE ALARM DEVICES IN ACCORDANCE WITH NFPA 72 AND FLORIDA FIRE PREVENTION CODE (6TH EDITIONS).
- IF PROJECT IS NOT CONNECTED TO A CENTRAL FIRE ALARM SYSTEM, PROVIDE LOCAL AUDIBLE/VISUAL SIGNALS UPON INITIATING TROUBLE.
- DIVISION 16 CONTRACTOR SHALL COORDINATE EXACT MECHANICAL REQUIREMENTS WITH DIVISION 15 DRAWINGS.
- THIS PROJECT IS IN COMPLIANCE WITH FBCEC 2017 SECTION C405.6.3, NEC 210.19(A)(1) WITH REGARDS TO VOLTAGE DROP FOR DOWNSTREAM BRANCH CIRCUITS, AND NEC 215.2 FOR FEEDER CONDUCTORS.

REFERENCE NOTES:

- CIRCUIT CONNECTED VIA TIME CLOCK CONTACTOR ON PANEL HP.
- PROVIDE 3" EMPTY CONDUIT WITH PULL CORD FROM TELEPHONE COMPANY NETWORK TO THIS LOCATION. STUB-UP 2'-0" A.F.F., CAP AND LABEL.
- PROVIDE (2)1" CONDUIT WITH PULL CORD FROM TELEPHONE TERMINAL CABINET. STUB-UP 2'-0" A.F.F., CAP AND LABEL.
- PROVIDE 2.5" CONDUIT WITH PULL CORD FROM METER CENTER TO TENANT SPACE.
- PROVIDE JUNCTION BOX FOR FUTURE SIGN, RUN 3/4" INSIDE FOR FUTURE CONNECTION.



ELECTRICAL FLOOR PLAN

SCALE 1/8" = 1'-0"

"ELECTRICAL"

1
E-1

REVISIONS

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ORLANDO, FLORIDA 32806
407-896-7411
407-896-7412 - FAX
EPGroup@att.net
CA # 8126
FARSHAD ANTIKCHI, PE # 72998

PROJECT NUMBER:

MTF17054

PARQUE DRIVE BUSINESS PARK - BUILDING 1

OWNER/DEVELOPER: PETER TYOR, OWNER, TYOR, LLC, 418 N SEGRAVE STREET, SUITE B, DAYTONA BEACH, FL 32114

PROJECT LOCATION: 200 PARQUE DRIVE, BUILDING 1, HOLLY HILL, FL, 32117

GENERAL CONTRACTOR: GENERAL MECHANICAL CORPORATION, PETER M. TYOR, PRESIDENT, CCC457756, 418 N. SEGRAVE ST. SUITE B, DAYTONA BEACH, FL, 32114, PH: (386)255-5222 FX: (386)236-8974

B P F

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E-MAIL: bpfdesign@att.net WEBSITE: bpfdesign.net

ELECTRICAL FLOOR PLAN

DATE: MARCH 5, 2018

SCALE: AS SHOWN

SHEET NO. E-SH1

ARCHITECT'S / ENGINEER'S SEAL

ELECTRICAL SYMBOL LEGEND

(ALL SYMBOLS SHOWN ARE NOT NECESSARILY USED ON THE DRAWINGS)

LIGHTING FIXTURES

SUBSCRIPTS: A=1 to PANEL A, CIRCUIT 1, SWITCH 1 (REFER TO LIGHTING SCHEDULE)

- STRIP, OR INDUSTRIAL FIXTURE
2' X 4' LIGHT FIXTURE. (NL = NIGHT LIGHT)
EMERGENCY BATTERY TYPE BALLAST "NL" INDICATES FIXTURE IS ON A NIGHT LIGHT CIRCUIT AND IS NOT SWITCHED.
2' X 2' LIGHT FIXTURE. (NL = NIGHT LIGHT)
2' X 2' LIGHT FIXTURE WITH INTEGRAL EMERGENCY BATTERY TYPE BALLAST "NL" INDICATES FIXTURE IS ON A NIGHT LIGHT CIRCUIT AND IS NOT SWITCHED.
COMPACT CEILING LIGHT/DOWN LIGHT
EMERGENCY OR NIGHTLIGHT (NL) COMPACT CEILING LIGHT/DOWN LIGHT
WALL MOUNTED COMPACT LIGHT FIXTURE
TRACK LIGHT. PLAN INDICATES LENGTH OF TRACK
EXIT LIGHT WITH DIRECTIONAL ARROWS AS INDICATED
SHADING INDICATES FACE(S) OF FIXTURE. STEM INDICATES WALL MOUNTED 84" AFF UON
EMERGENCY BATTERY OPERATED WALL PACK WITH 2 AIMABLE HEADS
WALL MOUNTED FULL-CUTOFF FIXTURE
CEILING MOUNTED FAN.
RECESSED 1' X 4' FIXTURE.
CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR.
CEILING MOUNTED VACANCY SENSOR.
SINGLE POLE SWITCH. (OS=OCCUPANCY SENSOR, 3= THREE WAY, D=DIMMING)
CONTROL LIGHTING SWITCH.
CEILING MOUNTED OCCUPANCY/VACANCY SENSOR AND DAYLIGHT PHOTOCCELL COMBO.

CONDUIT AND RACEWAYS

LP1-2,4,6 HOMERUN, LP1 = PANEL DESIGNATION 2,4,6 = CIRCUITS

- CONDUIT
CONDUIT CAPPED
CONDUIT CONTINUES

COMMUNICATIONS

- DATA/COMM OUTLET WITH FLUSH MOUNTED 4-11/16" SQUARE SINGLE GANG JUNCTION BOX. PROVIDE BLANK BUILDING STANDARD COVER PLATE. EXTEND 1" CONCEALED CONDUIT TO ABOVE ACCESSIBLE CEILING AND STUB-OUT WITH PLASTIC BUSHING. OR AS NOTED. INSTALL PULL WIRE.
TELEVISION COAXIAL OUTLET WITH FLUSH MOUNTED 4-11/16" SQUARE SINGLE GANG JUNCTION BOX. PROVIDE BLANK BUILDING STANDARD COVER PLATE. EXTEND 1" CONCEALED CONDUIT TO ABOVE ACCESSIBLE CEILING AND STUB-OUT WITH PLASTIC BUSHING. OR AS NOTED. INSTALL PULL WIRE.
COMM OUTLET WITH FLUSH MOUNTED 4-11/16" SQUARE SINGLE GANG JUNCTION BOX. PROVIDE BLANK BUILDING STANDARD COVER PLATE. EXTEND 1" CONCEALED CONDUIT TO ABOVE ACCESSIBLE CEILING AND STUB-OUT WITH PLASTIC BUSHING. OR AS NOTED. INSTALL PULL WIRE.

WIRING DEVICES

- EW = ELECTRIC WATER COOLER
WP = WEATHERPROOF
GFI = GROUND FAULT INTERRUPTER
EX = EXPLOSION PROOF
IG = ISOLATED GROUND
DUPLUX CONVENIENCE OUTLET MOUNTED 18" AFF UON. BOX INDICATES FLUSH IN FLOOR QUAD
(SPECIAL PURPOSE) OUTLET MOUNTED 18" AFF UON. BOX INDICATES FLUSH IN FLOOR.
SPECIAL PURPOSE OUTLET. VOLTAGE, AMPERAGE AND MOUNTING ELEVATION AS NOTED ON PLANS BOX INDICATES FLUSH IN FLOOR.
DUPLUX/QUAD OUTLET MOUNTED HORIZONTALLY ABOVE COUNTERTOP OR BACKSPLASH 44" AFF UON.
SWITCHED DUPLUX OUTLET MOUNTED 18" AFF UON
DUAL USB CHARGER WITH DUPLUX OUTLET RECEPTACLE MOUNTED 18" AFF UON.
DUAL USB CHARGER WITH DUPLUX OUTLET RECEPTACLE MOUNTED HORIZONTALLY ABOVE COUNTERTOP OR BACKSPLASH 44" AFF UON.
JUNCTION BOX, FLUSH MOUNTED IN CEILING UON BOX INDICATES IN FLOOR. STEM INDICATES WALL MOUNTED.
PULL BOX, FLUSH MOUNTED IN CEILING UON. BOX INDICATES IN FLOOR. STEM INDICATES WALL MOUNTED.
LOS, PUSHBUTTON, DOORBELL BUZZER, OR SHUNT TRIP MOUNTED AT 42" AFF UON.
TIME CLOCK

EQUIPMENT

- NON-FUSED DISCONNECT: 30 = AMPERE SIZE
FUSED DISCONNECT
MOTOR
ELECTRICAL PANEL BOARD
TELEPHONE PANEL BOARD
TRANSIENT VOLTAGE SURGE SUPPRESSOR (TYPE AS NOTED)

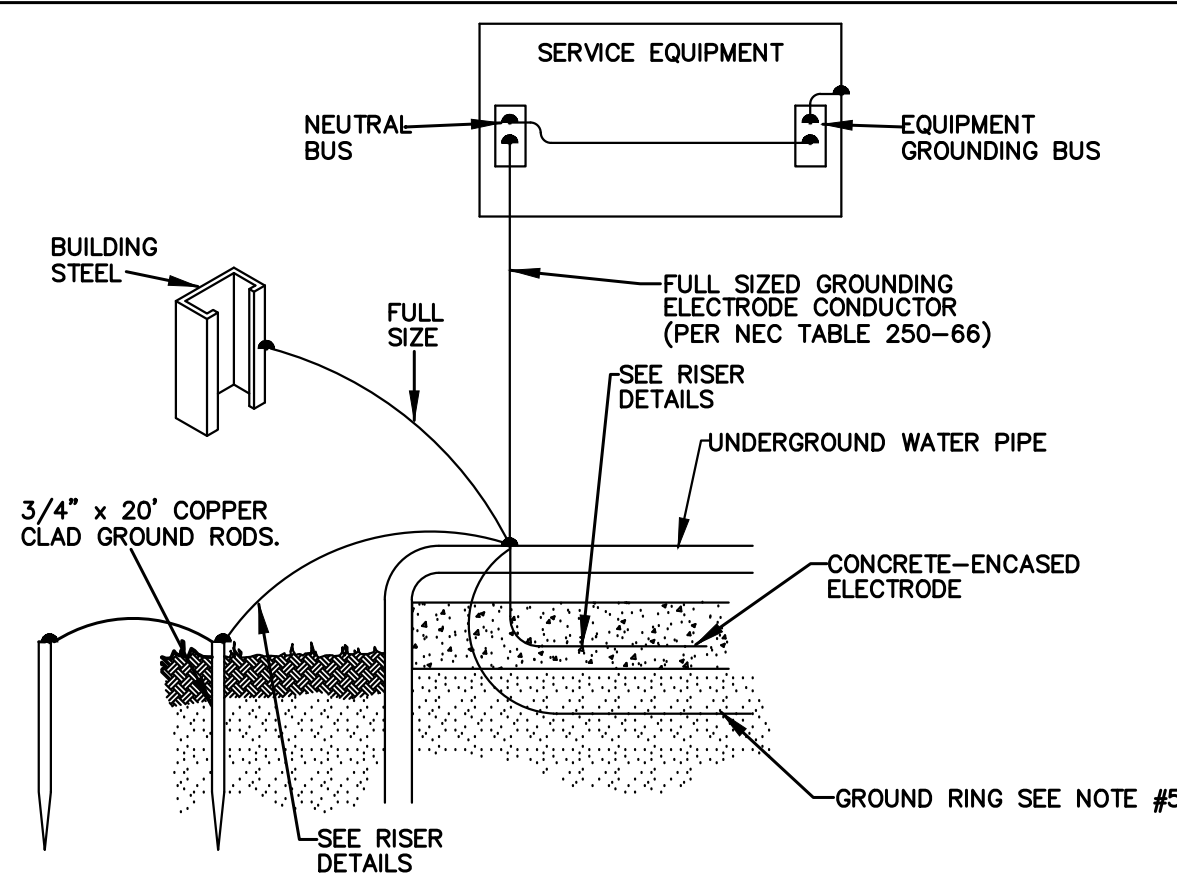
ABBREVIATIONS

- A - AMPERES
A/C - AIR CONDITIONING
AC - ALTERNATING CURRENT
AFF - ABOVE FINISHED FLOOR
AFG - ABOVE FINISHED GRADE
AHU - AIR HANDLING UNIT
AWG - AMERICAN WIRE GAUGE
C - CONDUIT
CFL - COMPACT FLUORESCENT LAMP
CH - COUNTER HEIGHT
CONC - CONCRETE
COND - CONDUIT
CU - COPPER
DISC - DISCONNECT
ECB - ENCLOSED CIRCUIT BREAKER
ELEC - ELECTRICAL
EM - EMERGENCY
EMS - ENERGY MANAGEMENT SYSTEM
EMT - ELECTRICAL METALLIC TUBING
EF - EXHAUST FAN
EWC - ELECTRIC WATER COOLER
ETR - EXISTING TO REMAIN
EX - EXISTING
FA - FIRE ALARM
FACP - FIRE ALARM CONTROL PANEL
FPL - FLORIDA POWER AND LIGHT
G - GROUND
GFI - GROUND FAULT INTERRUPTER
GND - GROUND
GRC - GALVANIZED RIGID CONDUIT
HVAC - HEATING, VENTILATING AND AIR CONDITIONING
H.I.D. - HIGH INTENSITY DISCHARGE
I.G. - ISOLATED GROUND
J - JUNCTION
KAIC - (THOUSAND) AMPERE INTERRUPTING CAPACITY
KVA - KILOVOLT-AMPERES
KW - KILOWATT
LED - LIGHT EMITTING DIODE
LTG - LIGHTING
KMIL - THOUSANDS OF CIRCULAR MILS
MCU - MASTER CONTROL UNIT
MCP - MOTOR CIRCUIT PROTECTION
MH - METAL HALIDE
N - NEUTRAL
NA - NOT APPLICABLE
NF - NON-FUSED
NL - NIGHT LIGHT
NEC - NATIONAL ELECTRICAL CODE
NIC - NOT IN CONTRACT
NL - NIGHT LIGHT
NEMA - NATIONAL ELECTRICAL MANUFACTURERS ASSOC.
NFPA - NATIONAL FIRE PROTECTION ASSOC.
O.C. - ON CENTER
P - POLE
PNL - PANELBOARD
PVC - POLYVINYL CHLORIDE
RM - ROOM
RGS - RIGID GALVANIZED STEEL
SPEC - SPECIFICATION
SS - STAINLESS STEEL
TBD - TO BE DETERMINED
TVSS - TRANSIENT VOLTAGE SURGE SUPPRESSION
TYP - TYPICAL
UON - UNLESS OTHERWISE NOTED
V - VOLTS
W - WIRE
W - WATT
WP - WEATHERPROOF

Table with columns: MANUFACTURER, SQUARE, 1 PHASE, 2 PHASE, 3 PHASE, 4 PHASE, 5 PHASE, 6 PHASE, 7 PHASE, 8 PHASE, 9 PHASE, 10 PHASE, 11 PHASE, 12 PHASE. Includes a detailed load schedule and summary statistics.

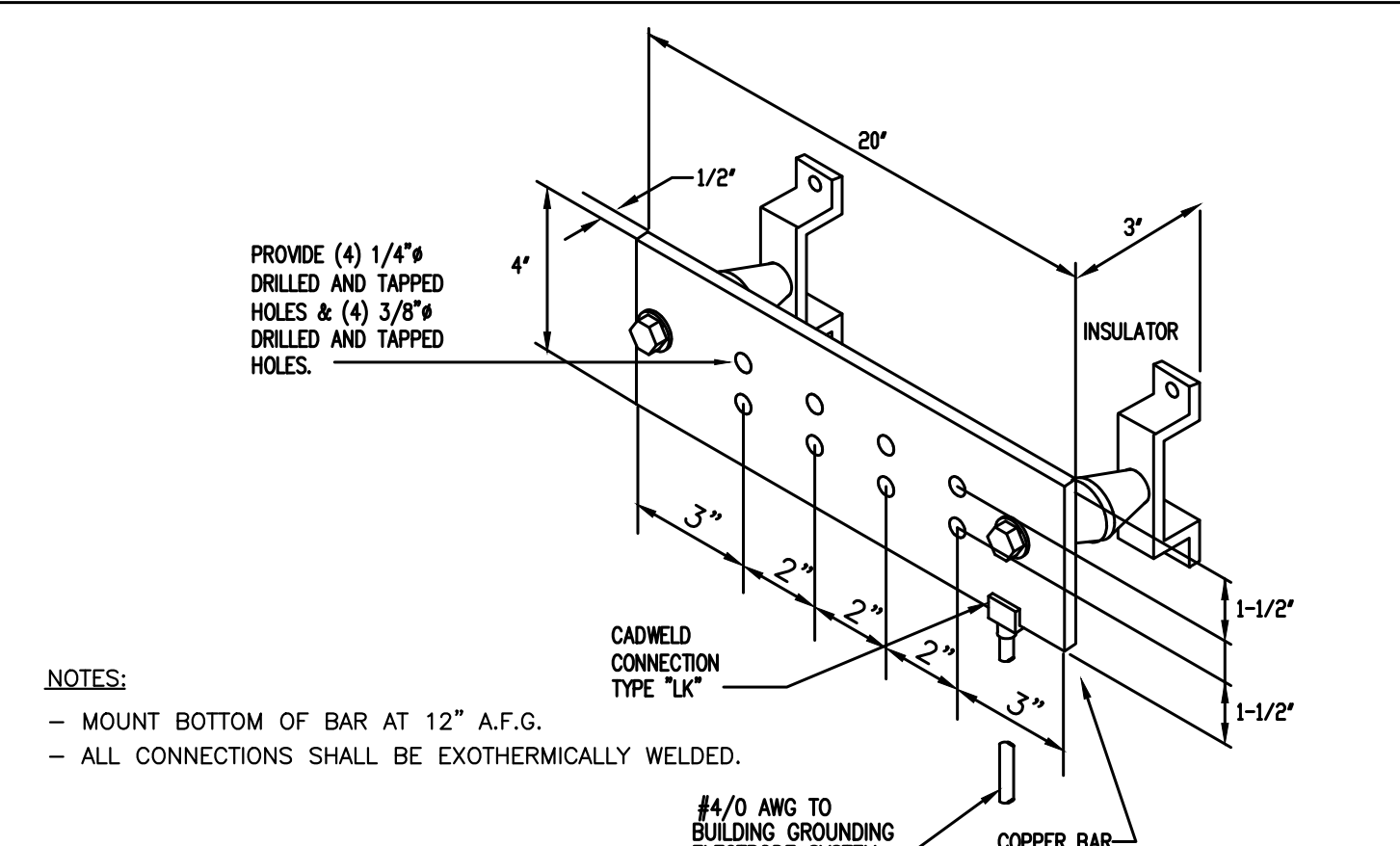
NOTES: 1. PROVIDE CLOSED CIRCUIT BREAKER. 2. PROVIDE TRIP RATED CIRCUIT BREAKER. 3. 1/4" NEUTRAL TO GROUND TO BE COOKED TO 100% EFFICIENCY. 4. 1/2" GROUND TO BE COOKED TO 100% EFFICIENCY.

GROUNDING ELECTRODE CONDUCTOR DETAIL



- NOTES:
1. FULL SIZE GROUND MEANS THAT GROUND CONDUCTOR SIZE SHALL BE AS SHOWN ON SERVICE EQUIPMENT ON THE POWER RISER DIAGRAM.
2. AFTER GROUNDING SYSTEM IS INSTALLED, GROUND RESISTANCE SHALL BE MEASURED, TO ASSURE THAT GROUND VALUE OF 5 OHM MAXIMUM RESISTANCE IS ACHIEVED. IF NOT, ADDITIONAL GROUNDING SHALL BE PROVIDED TO MEET THE SPECIFIED VALUE.
3. ALL CONNECTIONS TO GROUND RODS SHALL BE EXOTHERMIC WELD CONNECTIONS.
4. GROUND CONDUCTOR SHALL BE LOCATED WITHIN OR NEAR BOTTOM OF CONCRETE FOUNDATION OR FOOTING THAT IS IN DIRECT CONTACT WITH THE EARTH, AND SHALL CONSIST OF AT LEAST 20 FEET OF ONE OR MORE STEEL REINFORCING BARS OR RODS OF NOT LESS THAN 1/2" DIAMETER, OR OF AT LEAST 20 FEET OF BARE COPPER CONDUCTOR.
5. A GROUND RING ENCIRCLING THE BUILDING OR STRUCTURE, IN DIRECT CONTACT WITH EARTH, CONSISTING OF AT LEAST (20 FT.) OF BARE COPPER CONDUCTOR NOT SMALLER THAN 2 AWG SHALL BE INSTALLED, PER ARTICLE-250.52(A)(4),NEC.

GROUNDING BAR (GB) DETAIL:



- NOTES:
- MOUNT BOTTOM OF BAR AT 12" A.F.G.
- ALL CONNECTIONS SHALL BE EXOTHERMICALLY WELDED.

ELECTRICAL DETAILS

SCALE: N.T.S.

REVISIONS

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PROJECT NUMBER:
MTF17054

PARQUE DRIVE BUSINESS PARK - BUILDING 1
OWNER/DEVELOPER: PETER TYOR, OWNER, TYOR, LLC, 418 N SEGRAVE STREET, SUITE B, DAYTONA BEACH, FL 32114
PROJECT LOCATION: 200 PARQUE DRIVE, BUILDING 1, HOLLY HILL, FL, 32117
GENERAL CONTRACTOR: GENERAL MECHANICAL CORPORATION, PETER M. TYOR, PRESIDENT, CCC457756, 418 N. SEGRAVE ST., SUITE B, DAYTONA BEACH, FL, 32114, PH: (386)255-5222 FAX: (386)256-8974

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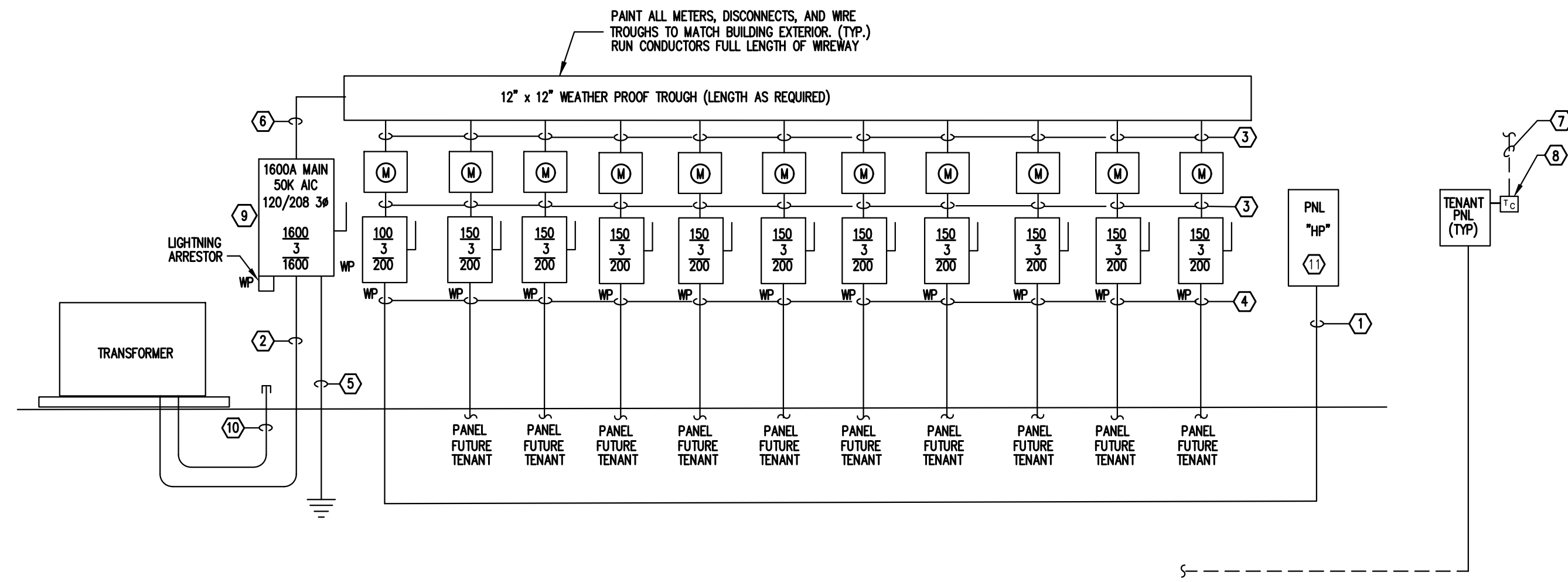
ELECTRICAL SCHEDULES

DATE: MARCH 5, 2018

SCALE: AS SHOWN

ARCHITECT'S / ENGINEER'S SEAL

ELECTRICAL RISER DIAGRAM



- ① 2-1/2" C WITH 4#1/0, 1#6 GROUND
- ② 5 SETS OF 4#600MCM AL IN 4" C EACH.
- ③ 2-1/2" C WITH 4#1/0, 1#6 GROUND
- ④ PROVIDE A 2.5" EMPTY CONDUIT TO EACH TENANT. CAP FOR FUTURE USE.
- ⑤ 1#350MCM AL GND.
- ⑥ 5 SETS OF 4#600MCM AL, 1#350MCM AL IN 4" C EACH.
- ⑦ TO TENANT SIGN.
- ⑧ TIME CLOCK, INTERMATIC TYPE ET 70215C, NEMA 1 ENC., OR EQUIV.
- ⑨ TYPE "L" FUSES.
- ⑩ SPARE 4" C. W/PULL CORD, STUB UP & CAP.

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ELECTRICAL RISER

DATE: MARCH 5, 2018

SCALE: AS SHOWN

SHEET NO. E-SH3

ARCHITECT'S / ENGINEER'S SEAL

ELECTRICAL GENERAL PROVISION

PART 1 - GENERAL

A. GENERAL CONDITIONS AND REQUIREMENTS:

This work is subject to the General Conditions and the General Requirements bound therein. The following codes and regulations (latest version) shall govern the extent and installation of electrical work unless more stringent requirements are shown on the drawings or specified herein:

- a) 2014 N.E.C. F.B.C. 6th Edition—2017, FLORIDA FIRE PREVENTION CODE(5th EDITIONS)

- b) National Fire Protection Association Standards (NFPA 72, 2010 EDITION)
- c) Underwriters Laboratories, Inc (UL)
- d) National Electrical Manufacturers Association (NEMA)
- e) Applicable Local and State Building Codes

B. SCOPE:

1. The work of this division consists of furnishing all plant labor, equipment, supervision, appliance, materials and performing all operations required to complete all items of work in accordance with these specifications, applicable drawings and all other applicable portions of the complete contract documents.

2. The work provided under this Division shall include all labor, materials, permits, inspections and re-inspection fees, tools, equipment, transportation, insurance, temporary protection, temporary lighting, supervision and incidental items essential for proper installation and operation, even though not specifically mentioned or indicated but which are usually provided or are essential for proper installation and operation of all electrical systems as indicated in the contract documents.

C. SUBSTITUTIONS/APPROVED EQUIVAL:

- 1. Provide only UL labeled products (where applicable) of types indicated. All materials shall be new and in perfect condition. Notwithstanding any reference in these drawings to any article, device, product, material, form or type of construction by name, make or catalog number, such references shall be interpreted as establishing a standard of quality and shall not be construed as limiting conditions. The contractor in such cases may at his option use any article, device, product, material, form or type of construction which in the judgment of the Architect/Engineer, expressed in writing, is equal to that specified.
- 2. Cost savings shall be forwarded to the owner.

D. FEES, PERMITS AND REGULATIONS:

- 1. Conform to all governing codes, ordinances or regulations of city, county, and state having jurisdiction. Where local codes are not applicable, conform to National Electric Code, latest revision.
- 2. Bid work to conform to code at no additional expense to Owner.

E. CONTRACTOR'S RESPONSIBILITIES:

- 1. Coordinate work with other trades, power and telephone companies.
- 2. Coordinate work schedule and material delivery.
- 3. Provide a competent superintendent in charge of work at all time. Replace superintendent not deemed competent by Architect. Do not withdraw or change superintendent without prior approval of Architect.
- 4. Provide qualified mechanics. Install materials and equipment in neat, workmanlike manner. Remove and replace any material or equipment, which is improperly installed, or damaged in the opinion of the Architect, at contractor's expense.
- 5. Examine work of others. Notify Architect immediately in writing if any condition exists which will prevent satisfactory installation of materials or equipment. Starting work without notification indicates acceptance and subsequent changes required will be at contractor's expense.
- 6. The integrity of Fire-rated partitions shall be maintained around penetrating electrical elements. Fire-rated sealants, sleeves, escutcheons and similar units shall be provided where required by referenced codes and authorities having jurisdiction.

F. INTERPRETATION OF DRAWINGS

- 1. The Drawings are diagrammatic and are not intended to show exact locations of conduit runs, outlet boxes, junction boxes, pull boxes, etc. The locations of equipment, appliances, fixtures, conduit, outlets, boxes and similar devices shown on the Drawings are approximate only. Exact locations shall be as accepted by the Engineer during construction. Obtain in the field all information relevant to the placing of electrical work and in case of interference with other work proceed as directed by the Engineer and provide all labor and materials necessary to complete the work in an acceptable manner.
- 2. Notify Architect/Engineer of any discrepancies found during construction of the project and do not proceed with that portion of the project, until a written definite statement is received providing clear direction. If a conflict exists between the contract documents and any applicable code or standard, the most stringent requirement shall be included for this project. The Engineer shall make the decision regarding questionable areas of conflict.
- 3. Compare all drawings and verify figures before laying out work and be responsible for any errors which might have been avoided thereby. Special notice shall be taken of code required electrical clearance and Architect shall be notified immediately of discrepancies.
- 4. When measurements are affected by conditions already established, contractor to take measurements notwithstanding giving scale or figure dimensions on drawings.

G. SERVICE AND METERING

- 1. Company. The utility company serving this project, which will be referred to as the Utility Company herein.
- 2. Service: Make all arrangements with the Utility Company for obtaining a complete service. Pay all charges and provide all labor and material for the service. Service shall be obtained at 120/208 or 277/480 volts from the Utility Company. Provide underground cables and conduits for incoming services from the utility's pad mounted transformer to distribution equipment. Install meter socket, and provide CT cabinet and wiring. Contractor shall also include installation cost of utility required conduits from the utility pole to pad mounted transformer.
- 3. Fees: Contact the Utility Company to determine if any fees, charges or costs will be due the Company, as required for temporary power, permanent power, installations, hook-ups, etc. This fee, charge or cost shall be included in the bid price.
- 4. Payment: Pay for all required licenses, fees and inspections. Include all costs in the proposed construction cost submission. These costs shall include but not be limited to all-applicable taxes, permits, necessary notices, certificates and all costs required to obtain it.

H. CUTTING AND PATCHING

The electrical contractor shall coordinate all opening requirements with the general contractor. General contractor shall provide all openings and close it. If General contractor is not properly informed this division will provide openings at his own expense. Cutting of steel, wood or other main structural parts must be approved by Architect prior to cutting.

I. HANDLING OF MATERIALS AND EQUIPMENT

- 1. Receive, house, handle and deliver to proper location, materials and equipment.
- 2. Protect from damage, moisture, dirt, debris and work of other trades. Use of paper, cardboard, other flimsy material will not be permitted. Replace or refinish marked or damaged surfaces to satisfaction of Architect/Engineer.

J. CLEAN UP

- 1. Keep premises free from accumulations of waste material or rubbish.

a. Leave premises and work in clean, orderly condition acceptable to Architect/Engineer.

b. Clean all materials and equipment of dirt, dust, paint, spots, stains, soil marks, etc. Any material in less than new condition will be replaced at Contractor's expense.

K. LABELS

- 1. Provide for all equipment, apparatus, disconnect and remote control switches, etc., rigid, laminated, phonemic labels, black with white letters self adhesive back. Tape labels or adhesive not permitted.

2. Specific equipment (i.e. Electrical panels and equipment) shall be identified with one inch high, 3-inches long, 1/16-inch thick label with 1/4-inch letters.

L. AS BUILT DRAWINGS

M. GUARANTEE AND SERVICE

- 1. Contractor and manufacturer to guarantee equipment for one (1) year after final acceptance
- 2. Contractor to grantee material and workmanship for one (1) year after final acceptance and replace any defects without expense to Owner. Furnish service for one (1) year after acceptance. This service shall include, but not be limited to, inspection, cleaning necessary adjustments and/or replacements, preventative maintenance, etc.
- 3. Light bulb replacement limited to 30 days.

N. SUBMITTALS

1. Within five (5) days after award of contract the contractor shall order and schedule delivery of all materials and equipment concerned with this portion of the work. Within ten (10) days after award of contract submit to Engineer, in quadruplicate, a statement of confirmation listing equipment supplier, date ordered and delivery date. Where choice of manufacturer is given to the contractor, list the one ordered. The following items must be included in submittal letter: Panels, switchboard, disconnects, starters, wire, conduit, electric metallic tubing, outlet boxes, devices, plates, plastic name plates, special purpose equipment and lighting fixtures.

2. Shop drawings to be submitted no later than forty-five (45) days after award of Contract and prior to installation of material requiring approval. Shop drawings are to be submitted complete through the general contractor at one time. Intermittent or incomplete submittals will not be considered. Material or equipment requiring shops drawings approval is not to be installed on project until approved shop drawings have been returned by the Architect/Engineer.

O. INSPECTIONS

1. During the progress of the work, the Engineer, or Owner's Representative, will make observations at the site to determine conformation of work with plans, specifications and intent thereof. Deficiencies, violations and incorrect workmanship or materials and equipment and corrective action therefore will be brought to the attention of the contractor, for his immediate remedial action.

P. INTERRUPTION OF EXISTING SERVICE

1. 48 hours advance notice is required for outages on feeder and branch circuit considered vital to operation by Owner. Contractor shall request such outage, with anticipated duration thereof, in writing from Owner and shall obtain Owner's permission therefore.

Q. SAMPLES

- 1. Physical samples of material and equipment proposed for installation on this project shall be submitted to Architect/Engineer upon request.
- 2. Samples shall be submitted through the General Contractor with all shipping and handling charges prepaid. Any expense incurred in securing, delivery and return of samples is responsibility of Contractor. Samples shall be delivered to locations designated by Architect/Engineer. Identify samples with shipping tag, wired in place, containing the following information:
 - a. Name of Project.
 - b. Name of Contractor.
 - c. Specification section number covering sample.
 - d. Manufacturer's name and catalog number.
 - e. Date submitted.

3. Samples shall remain the possession of Contractor except as follows:

- a. Approved samples, without physical damage, may be installed on the project.
- b. Samples not called for within 14 days after notification will be disposed of by the Architect/Engineer.

R. SPARE PARTS AND TOOLS

1. Furnish to the Owner, and obtain receipt for it, the following:

- a. One set of fuses for each size and types installed on project, (including relay fuses for magnetic starters)
- b. Two keys each for panel locks, weatherproof outlets, padlocks, terminal cabinets, etc.
- c. Special tools for fixtures, panels, fire alarm system, tamperproof screws, etc. All items to be identified.

S. FINAL INSPECTION AND TESTS

- 1. As precedent to final inspection and acceptance the Contractor shall:
 - a. Have all previously listed defects corrected.
 - b. Complete all work.
 - c. Test all systems and have data on such test
 - d. Have all directories, labels and instructions.
 - e. Complied with applicable paragraphs of this section.
- 2. Furnish adequate mechanics and personnel to operate systems, make adjustments, and assist with final inspection as directed by Architect/Engineer.

ELECTRICAL WORK

PART 1 - PRODUCTS

A. Conduit:

Conduit shall be provided as follow, unless otherwise noted:

Electrical Metallic Tubing (EMT): provide in stud and hollow masonry walls, above suspended and furred ceiling, and exposed in dry locations. Maximum ID shall be 2". All fitting shall be steel compression type. Rigid conduit and electric metallic tubing as manufactured by one of the following (or approved equal): a) ARMCO, b) Republic Steel, c) Triangle Conduit and Wire company, d) K. Porter Company, e) Steel City, f) Wheatland Tube.

Flexible Metal Conduit: Provide for connections from Junction box to light fixture in accessible ceilings, (Maximum run length of 8' 0") and all termination to equipment subject to vibration. (Maximum run length of 4' 0"). All fittings shall be Applenton AST series or approved equal. Liquid-tight shall be used in applications with conduits and for equipment containing liquids. All fittings shall be O.Z. Gedney AKC series or approved equal.

Plastic conduit as manufactured by one of the following: a) Carlon Plastic Products corp. b) Contex Plastic Products c) Hatfield Wire and Cable Company.

A nylon pull wire shall be installed in all empty conduits. Identify intended use at both ends.

B. COUPLINGS AND CONNECTORS:

- 1. Couplings and connector manufactured by one of the following (or approved equal): a) Applenton Electric Company, b) RACO c), Steel City

C. OUTLET BOXES:

- 1. Galvanized, stamped steel, 4-inches square by 1-1/2 inches deep minimum size for wall outlets, manufactured by: a) Applenton Electric Company, b) RACE. All Steel Equipment, c) Steel City
- 2. Floor Boxes: Hubbell #B-2536 with S-3182 brass carpet flange and S-3925 flap type cover for duplex receptacle.

D. PANELBOARDS:

- 1. Square-D, General Electric or Siemens.
- 1. WIRE:
 - 1. Wire for this project as manufactured by one of the following: a) Anaconda, b) General Cable Company, c) Hatfield Wire and Cable, d) Reynolds Metal Company, e) Simplex Wire and Cable, f) Triangle Conduit and Wire Company or approved equal.

F. WIRING DEVICES:

- 1. Single or Three way Digital Switch shall be raise/lower switches with local control of lighting zone. Switch may be programmed to control any relay, dimmer or panel.
- 2. Receptacle, Duplex (Hubbell #S262, Arrow Hart #S262).
- 3. Receptacle GFI (Arrow Hart #G5242-1 with 4501 cover, Hubbell GFS262-1 with WP-26 cover)

G. SURGE PROTECTION DEVICE:

- 1. Advanced Protection Tech. "TE/XGA Series"
- 2. Current Technology "IG Series"
- 3. Innovative Technology "ITX Series"
- 4. Square D Surgeologic "EMA Series."
- 5. General Electric "Tranquell Series"

PART 2 B EXECUTION

GROUNDING

- 1. Provide equipment ground system in accordance with National Electric Code Article 250.
 - a. All branch circuit raceway contain minimum one no. 12 AWG, type TW, green coded ground wire.

RACEWAYS:

- 1. Provide all raceways for all systems. Raceway locations shown are diagrammatic, unless specifically noted, and govern obstructions. Exposed raceways run in neat manner acceptable to Architect. Raceways supported using conduit clamp support or hold raceways in place.
 - a. Raceways imbedded in earth, in concrete, in damp or wet locations hot dipped galvanized rigid, heavy wall, threaded non-metallic, high impact direct burial type II, PVC, where permitted by codes.
 - b. Raceways in wall or furred ceiling to be electric metallic tubing
 - c. Rigid steel conduit used for exposed exterior raceways.
- 2. Raceways reamed smooth after cutting and/or threading.
- 3. Rigid steel, threaded conduits and Schedule 40 PVC to have double locknuts and O.Z. Type B bushing.
- 4. Electric metallic tubing coupling and connectors machined steel, set screw type.
- 5. Connections to motors and vibrating equipment made with sufficient flexible conduit so vibration is not transmitted to motor.

a. Use flexible, non-metallic, liquid-tight conduit, UL approved, for motor connections.
b. Flexible conduit not used for fixture connections, except recessed or tray-in type fixtures.
c. Minimum size 1/2-inch.

6. Minimum 24" radius elbows and conduits to be used when rising from below floor on surface of walls except for low voltage raceways

7. Low voltage raceways (systems operating at 70 volts or below) Type 4 Polyvinyl chloride, UL formula non-metallic

a. Low voltage raceways to have bushing at all terminals.
b. Nylon pull cord, 5W pound test minimum, left in all raceways, in which conductors are not installed.

OUTLET BOXES:

- 1. Except as noted otherwise, all outlets located as follows: (measured from finished floor level to bottom of box):
 - a. Switches-----48"
 - b. Receptacles-----15"
 - c. Wall Telephones-----48"

2. Provide required outlets, switch, pull and junction boxes of suitable type for mounting indicated. Boxes shall be galvanized steel, not less than 4 square and 1-1/2 deep unless otherwise indicated. Boxes shall be secure to structure independent of conduit supports. Plaster rings shall be provided for recessed units.

3. Contractor shall coordinate locations of units indicated on electrical drawings with actual locations established by Architect or Mechanical contractor for clarification before proceeding with installation

- 1. Branch circuit panel boards circuit breaker type with bolt-on breakers dead front, locking door, flush lock master keyed.
- 2. Breakers clearly numbered. Where spaces are called for, provide hardware required for future installation of breakers. Bus and hand wiring braced for interrupting Capacity of largest breaker in panel; interrupting rating as shown on drawings.
- 3. Provide type circuit directory under transparent shield, on inside of cover of each panel board. Directory to accurately list circuit number, location, type of outlets indicate controlled and connected load on circuit
- 4. Provide laminated, rigid plastic label below directory worded as follows:

Installed by (Name of the contractor)
(Year)

5. Provide each panel board with green coded ground bar, not connected to neutral, for green equipment ground wires. Back bar to have minimum capacity of 11 terminal with solderless box lugs for wire size #12 minimum to #4 maximum. Locate bar adjacent to neutral bar, bolt or weld to panel can.

6. Provide plastic label listing panel designation, voltage and phase on inside of panel cover above directory.

E. DISCONNECT SWITCHES (SHOP DRAWINGS REQUIRED):

- 1. Provide disconnect switches, fused and non-fused as required by codes.
 - a. Switches NEMA rated volt, Fed. Spec. W-S-865C
 - 1. 240 volts for 208 volt system, and 600 volts for 480 volt system.
- 2. Each motor, remote from panel location, to have non-fused disconnect switch or breaker within sight of motor location. Safety switches same manufacturer as branch circuit panelboards. Exterior switch NEMA 3R,

F. BRANCH CIRCUIT WIRING:

- 1. Conductors to be copper. No wire smaller than Number # 12 AWG any branch circuit
- 2. Conductor insulation, unless otherwise noted, Type THHN, insulation coded as follows:

- 1. 120/208 Volt System:
 - (1) Phase A, black
 - (2) Phase B, red
 - (3) Neutral, white
 - (4) Ground, green
 - (5) Travelers, purple
 - (6) Ground, green
- 2. 277/480 volt system:
 - (1) phase A, Yellow
 - (2) phase B, orange
 - (3) Phase C, brown
 - (4) Neutral, grey
 - (5) Travelers, 3 way, pink
 - (6) Ground, green

3. Same color insulation for particular phase or part of circuit run with same color throughout job. Color code integral part of insulation. Painted or topped conductors not accepted except as follows:

- a. Wire sized no. 1 and larger may be color coded by wrapping with 3m tape (No. 35) for entire length of exposed area in gutters, panel cans, switchboards, or wireways.
- 4. Splices or joints in conductors mechanically and electrically sound, made in outlet boxes only, except ballast connection. All joint made using type Y, G, R, B scotch-lock connectors only.
- a. At each outlet, loop of wire 8-inches long left for connection to device.
- b. Fluorescent fixture wiring to conform to National Electric Code, Article 410-24; use THHN insulation.
- 5. Outlets connected as indicated on plans, altering circuits not permitted without written approval of Engineer.
- 6. All branch circuit and feeder raceways contain green coded, TW, ground wire in addition to other conductors.

G. WIRING DEVICES (SHOP DRAWINGS REQUIRED):

- 1. Provide all wiring devices indicated on plans. Color of device selected by Architect at time of Submittal.

H. DEVICE PLATES (SHOP DRAWINGS REQUIRED):

- 1. Wiring devices to have plastic type plate as required by device. Color by Architect. Outlet without devices, except telephone, to have blank plate. Plates hold in place by oval head, stainless steel screws, matching plate by color.

FIXTURES (SHOP DRAWINGS REQUIRED):

- 1. Provide fixtures as listed on fixture schedule, completely wired and lamped where designated on drawings. Correlate support and mounting method with all subcontractors involved with surrounding surface.
 - a. Fixture support bolted or welded to supporting surface.
- 2. Florescent fixture ballast CBM certified, sound rating A with automatic thermal reset. Jefferson, Advance, Solis or approved equal energy saving type.

J. Lamps:

Provide new lamps in accordance with the following:

K. EXIT LIGHTS (SHOP DRAWINGS REQUIRED):

Provide exit light units where indicated on drawings and in accordance with all local code requirement, including fire department.

L. POWER AND CONTROL WIRING TO EQUIPMENT:

- 1. Provide all electrical power connections to equipment indicated on plans unless otherwise directed.

- a. Provide all conduits and wiring from panel to motor terminal.
- b. Provide all disconnects required and make all power connections in these circuits

- 2. Control equipment, motor starters, relays, line voltage controls transformer, low voltage controls and devices necessary for the operation of heating, air conditioning, ventilation and plumbing system furnished and set in place by respective subcontractor.

- 3. All control wiring under Division 15 of specifications.

M. MOTOR STARTER

- 1. All motors shall be furnished and installed by mechanical and connected by electrical contractor. Electrical contractor shall provide all motors starter not furnished with equipment.

N. TELEPHONE SYSTEM:

- 1. Provide all raceways, pull boxes, outlets and terminal boards required for system shown.
 - a. Terminate raceways in manner suitable to Telephone Company, in locations shown on drawings.
 - b. Coordinate entire system with Telephone Company prior to installation
 - c. Grounding as indicated and/or directed by local Telephone Company
 - d. All telephone system, including equipment, switches, and wiring to be provided by owner/representative.

GENERAL NOTES:

- 1. CONCRETE WORK REQUIRED FOR THE INSTALLATION OR CONSTRUCTION OF ANY OF THE ELECTRICAL WORK SPECIFIED HEREIN SHALL CONFORM TO THE REQUIREMENTS OF THE APPLICABLE SECTIONS OF THE SPECIFICATIONS.
- 2. CONDUITS RUN EXPOSED AND VULNERABLE TO MECHANICAL INJURY SHALL BE RIGID, HEAVY-WALL, GALVANIZED STEEL OR ALUMINUM. ALUMINUM CONDUITS MAY NOT BE USED BELOW GRADE OR EMBEDDED IN CONCRETE.
- 3. CONDUITS RUN EXPOSED OUTSIDE OR IN FLOOR SLABS SHALL BE RIGID, HEAVY-WALL, GALVANIZED OR SHERARIZED STEEL OR SCHEDULE 80 PVC.
- 4. CONDUITS RUN BELOW GRADE, EXTERIOR TO THE BUILDING SHALL BE SCHEDULE 40 HEAVY-WALL, HIGH IMPACT POLYVINYL CHLORIDE ELECTRICAL CONDUIT.
- 5. OUTLET BOXES AND COVERS SHALL BE GALVANIZED OR SHERARIZED, ONE-PIECE PRESSED STEEL, KNOCKOUT TYPE, AND OF AN APPROVED MAKE.
- 6. OUTLET BOXES SHALL BE EQUIPPED WITH PLASTER RING, EXTENSION RINGS OR FIXTURE STUDS AS MAY BE REQUIRED. DO NOT INSTALL BOXES BACK TO BACK.
- 7. BOXES EXPOSED TO RAIN OR OTHER MOISTURE SHALL BE MOUSE-HINDS TYPE FS, FD CONDULET BOXES WITH APPROPRIATE INUSE COVERS AND GASKETS.
- 8. DUPLEX 20 AMP CONVENIENCE RECEPTACLES (COLOR AS SELECTED BY ARCHITECT), 120 VOLT GROUNDING TYPE, SHALL HAVE TWO CURRENT-CARRYING CONTACTS AND ONE GROUNDING CONTACT WHICH IS INTENTIONALLY CONNECTED TO THE FRAME. (ONLY P&S OR HUBBELL #5242 OR LEVTON #6014 ARE APPROVED)
- 9. GROUND FAULT RECEPTACLE SHALL BE DUPLEX TYPE.
- 10. WEATHERPROOF DEVICES:
 - a. ALL RECEPTACLES, SWITCHES AND JUNCTION BOXES ON THE EXTERIOR OF THE BUILDING, ON THE ROOF, OR IN LANDSCAPED AREAS SHALL HAVE A WEATHERPROOF LIFT COVER PLATE.
- 11. FURNISH & INSTALL CONDUCTORS OF THE SIZE AND TYPE SHOWN ON THIS DRAWING. ALL CONDUCTORS SHALL BE COPPER, TYPE THHN AND RATED AT 600 VOLTS. ALL SIZES ARE THE MINIMUM ACCEPTABLE TO SATISFY AMPACITY REQUIREMENT. CONSIDERATION SHALL BE GIVEN TO VOLTAGE DROP AND INSULATION SCOR WHERE NECESSARY. 20A CIRCUITS GREATER THEN 75 FT IN LENGTH SHALL BE #10 AWG MINIMUM 20A CIRCUITS GREATER THAN 130 FT IN LENGTH SHALL BE #8 AWG MINIMUM, CHANGE TO #12 AT J-BOX AHEAD OF FIRST RECEPTACLE.
- 12. CONTRACTOR IS RESPONSIBLE TO IDENTIFY ALL UNDERGROUND UTILITIES PRIOR TO START OF EXCAVATION. THE ENGINEER'S DRAWING SHALL ONLY BE USED AS A GUIDE, BASED ON EXISTING INFORMATION THAT WAS AVAILABLE. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY LOCATION OF ALL CONDUITS.
- 13. THE CONTRACTOR IS RESPONSIBLE TO VERIFY THE FIXTURE CATALOG NUMBERS TO ENSURE COMPLIANCE WITH THE OTHER FACILITIES. IF THERE IS ANY DISCREPANCY, OR THE EXISTING MATERIAL IS NO LONGER AVAILABLE, THEN CONTRACTOR SHALL SPECIFY THAT IN HIS BID AND SUBMIT AN EQUIVALENT SUBSTITUTE FOR APPROVAL BY THE OWNER.
- 14. CONNECT ALL EMERGENCY LIGHTING (EXIT LIGHTS) ON THE SAME CIRCUIT AS THE NORMAL LIGHTING IN THE AREA AHEAD OF ANY SWITCHES AND/OR COMPLY WITH NEC 700-12.
- 15. PROVIDE ALL EQUIPMENT, MATERIAL AND LABOR REQUIRED BY POWER COMPANY TO CONNECT THIS SERVICE TO THE UTILITY POINT OF CONNECTION.
- 16. PROVIDE #1/0 INSULATED COPPER GROUND WIRE FROM GROUND ROD TO BUILDING STEEL JOISTS (TYP. OF 2 LOCATIONS) CONCEAL GROUND WIRE ON PERIMETER WALL CLAMP GROUND WIRE TO STEEL JOIST WITH COMPRESSION TYPE CONNECTORS AND CLAMPS. BOND GROUND WIRE TO SERVICE ENTRANCE GROUND LOOP.
- 17. THE CONTRACTOR SHALL ASSUME UP TO 100' SETS OF SECONDARY CABLES AND CONDUITS TO BE INSTALLED TO THE UTILITY POINT OF CONNECTION.
- 18. USE OF "MC" STYLE CABLE SIZED #10 OR SMALLER IS PERMITTED IN BRANCH CIRCUITS WHERE PERMITTED BY LOCAL CODE.
- 19. EXISTING RACEWAY AND CABLING MAY BE REUSED PROVIDED THAT THEY MEET NEC AND THE PROJECT SPECIFICATIONS.
- 20. ALL PANELS SHALL BE U.L. LISTED AND OF THE SAME MANUFACTURER. PROVIDE SIZE AND TYPE AS INDICATED ON DRAWINGS. PANELS SHALL HAVE MINIMUM FULL SIZE NEUTRAL BUS AND 1/2 SIZE GROUND BUS.
- 21. OPERATING AND MAINTENANCE MANUALS WILL BE PROVIDED TO OWNER BY ELECTRICAL CONTRACTOR AS REQUIRED PER SECTION C405.6.4 IN FBC-ENERGY CONSERVATION 6TH EDITION (2017).
- 22. ALL EQUIPMENT INSTALLED SHALL BE LISTED AND LABELED BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL) AND/OR LISTED AND LABELED AS AN ASSEMBLY BY AN NRTL PER NEC ARTICLE 90.7.

ELECTRICAL SPECIFICATIONS

SCALE: NONE

1
E-6

REVISIONS

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FARSHAD ANTIKCHI, PE # 72998

PROJECT NUMBER:
MTF17054

PARQUE DRIVE BUSINESS PARK - BUILDING 1

OWNER/DEVELOPER: PETER TYOIR, OWNER, TYOIR, LLC, 418 N SEGRAVE STREET, SUITE B, DAYTONA BEACH, FL 32114
PROJECT LOCATION: 200 PARQUE DRIVE, BUILDING 1, HOLLY HILL, FL 32117

GENERAL CONTRACTOR: GENERAL MECHANICAL CORPORATION, PETER M. TYOIR, PRESIDENT, COCA517576, 418 N. SEGRAVE ST. SUITE B, DAYTONA BEACH, FL, 32114, PH: (386)255-5222 FAX: (386)255-8624

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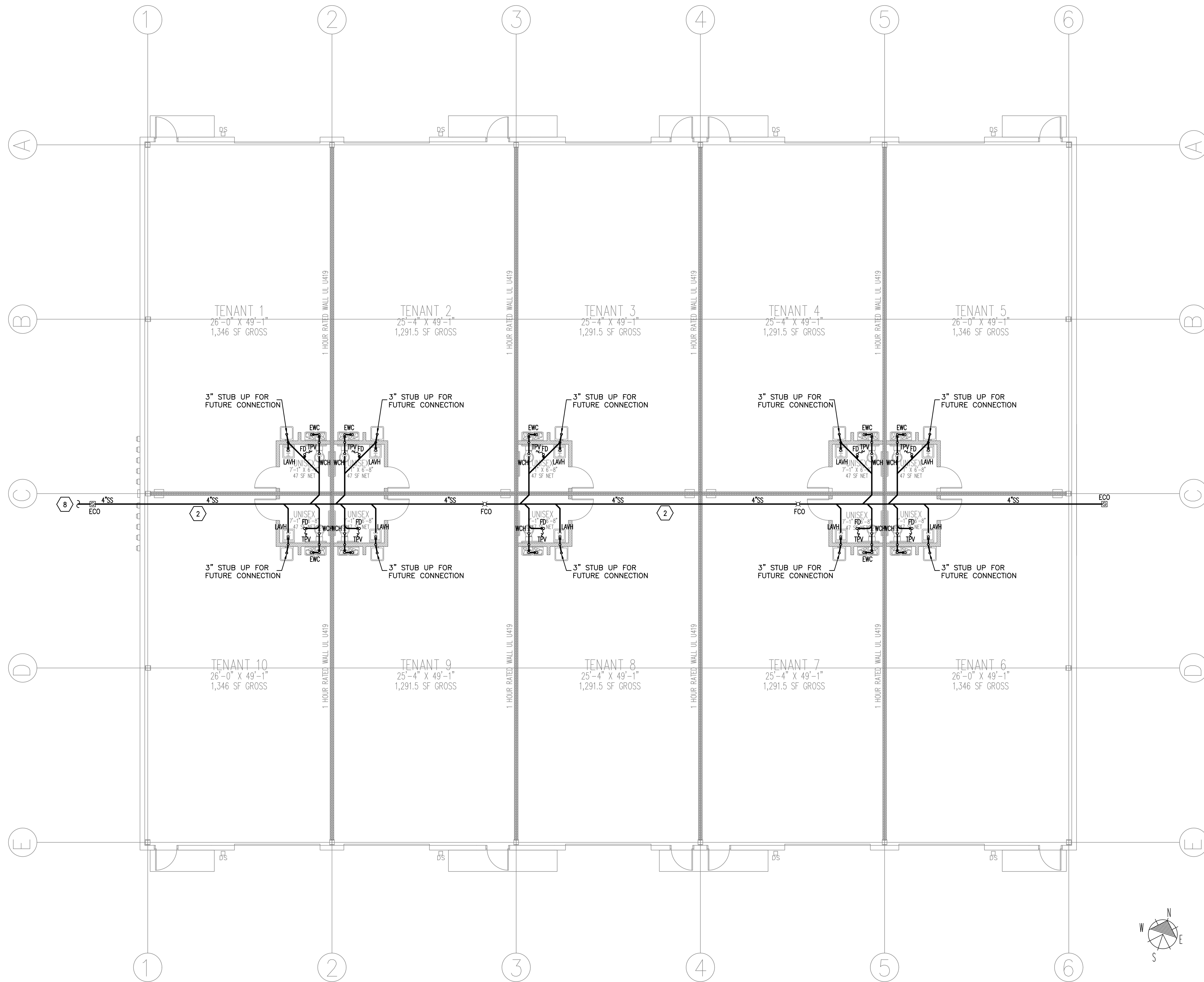
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ELECTRICAL SPECIFICATIONS

DATE: MARCH 5, 2018
SCALE: AS SHOWN
ARCHITECT'S / ENGINEER'S SEAL

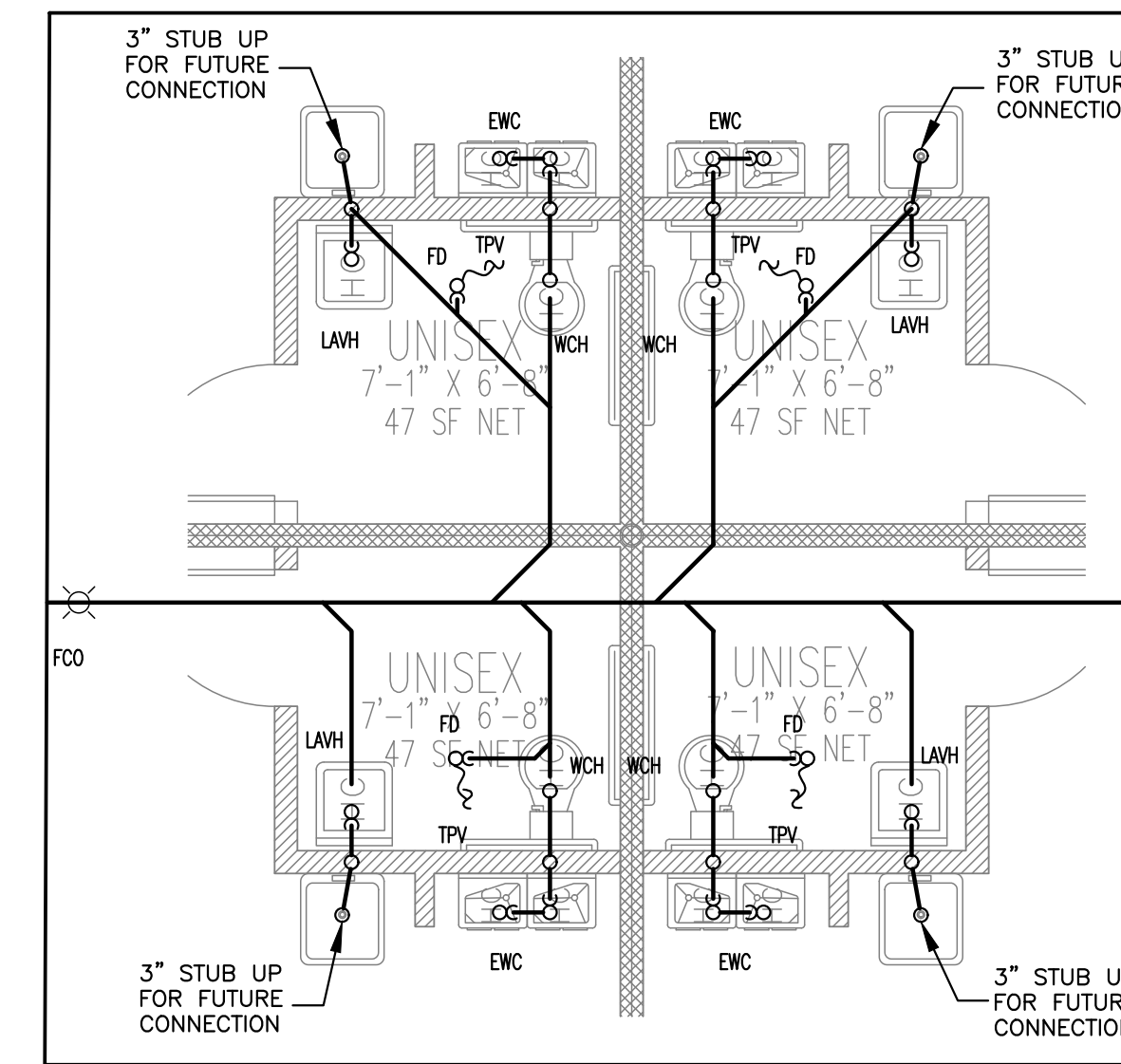
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ARCHITECT'S / ENGINEER'S SEAL

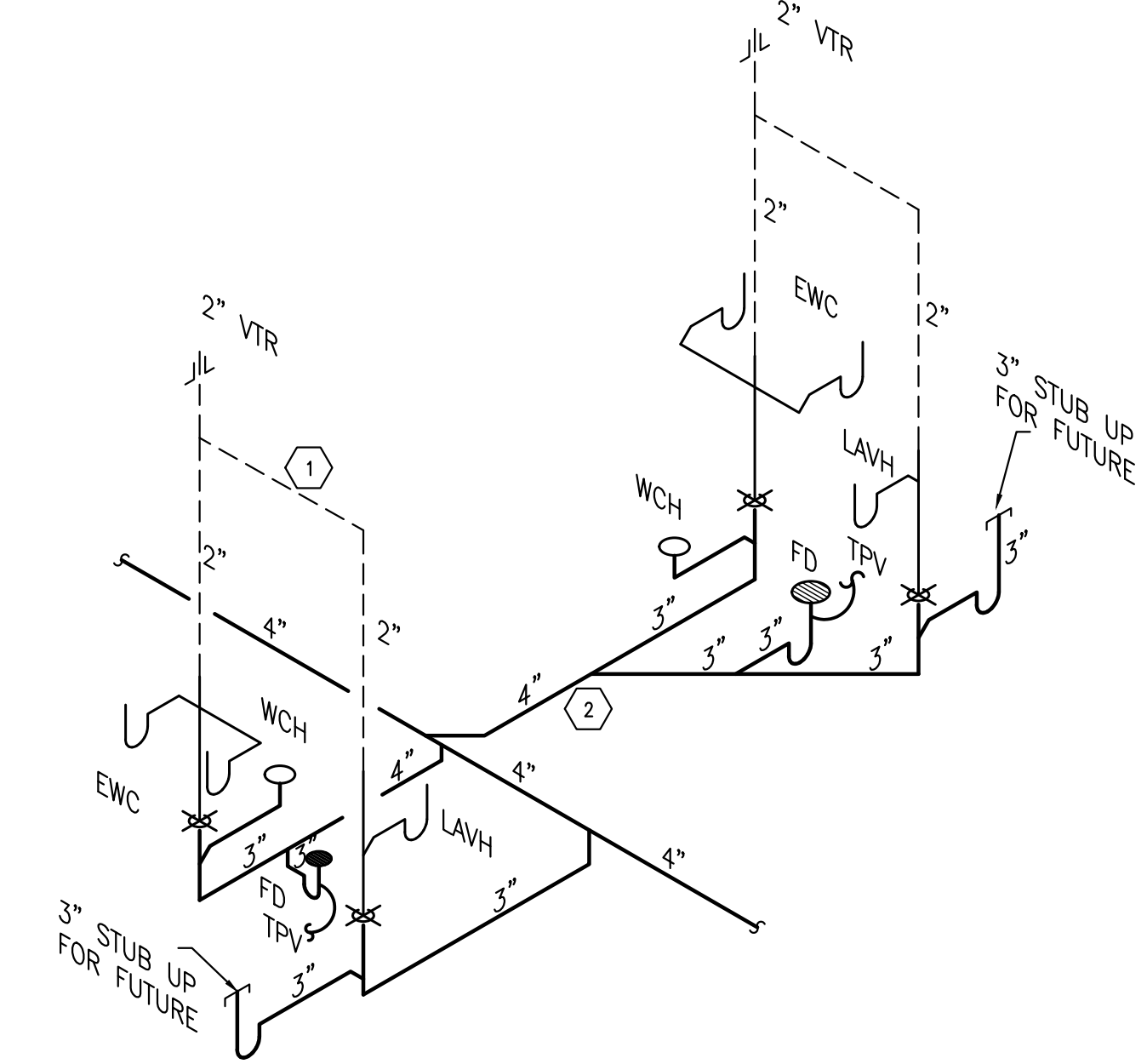


PLUMBING FLOOR PLAN
SCALE 1/8" = 1'-0" "SEWER LINE" ① P-1

- PLUMBING REFERENCE NOTES
- 1 PIPING LOCATED AT OR ABOVE CEILING.
 - 2 PIPING LOCATED BELOW FLOOR SLAB.
 - 3 PIPING LOCATED IN WALL AND RUN TO CONNECT TO FIXTURE(S).
 - 4 PIPING DROP AND RUN IN WALL.
 - 5 WATER PIPING RISE FROM BELOW GRADE, OFFSET INTO WALL ABOVE FLOOR SLAB IN WALL, RISE TO ABOVE CEILING.
 - 6 BUILDING SERVICE WATER SHUT-OFF VALVE IN RECESSED VALVE BOX WITH REMOVABLE ACCESS COVER FLUSH WITH GRADE OR PAVEMENT.
 - 7 PROVIDE SHUTOFF VALVE REQUIRED PER SECTION 606.1 AND 606.2 OF FBC-PLUMBING.
 - 8 4" SANITARY WASTE PIPING BELOW GRADE. REFER TO CIVIL SITE DRAWING FOR CONTINUATION.
 - 9 WATER PIPING BELOW GRADE. REFER TO CIVIL SITE DRAWING FOR CONTINUATION.
 - 10 NEW REDUCED PRESSURE PRINCIPAL BACK-FLOW PREVENTION ASSEMBLY(R.P.) SHALL BE INSTALLED ON WATER PIPE. PER FBCP SECTION 608. FIELD VERIFY LOCATION.
 - 11 PROVIDE CLEAN OUT AT EACH BRANCH, ACCESSIBLE WITH SAME SIZE OF WASTE LINE CONNECTED TO.
 - 12 OUTDOOR AIR VENTILATION PROVIDED FOR FUTURE AIR CONDITION SYSTEM. CONTRACTOR SHALL PROVIDE LOUVER, CAP AND SEAL FOR FUTURE USE.
 - 13 PRIVATE METER FOR EACH TENANT.



PLUMBING ENLARGE PLAN ②
SCALE 1/4" = 1'-0" "SEWER LINE" P-1



PLUMBING RISER DIAGRAM ③
NOT TO SCALE "SEWER LINE" P-1

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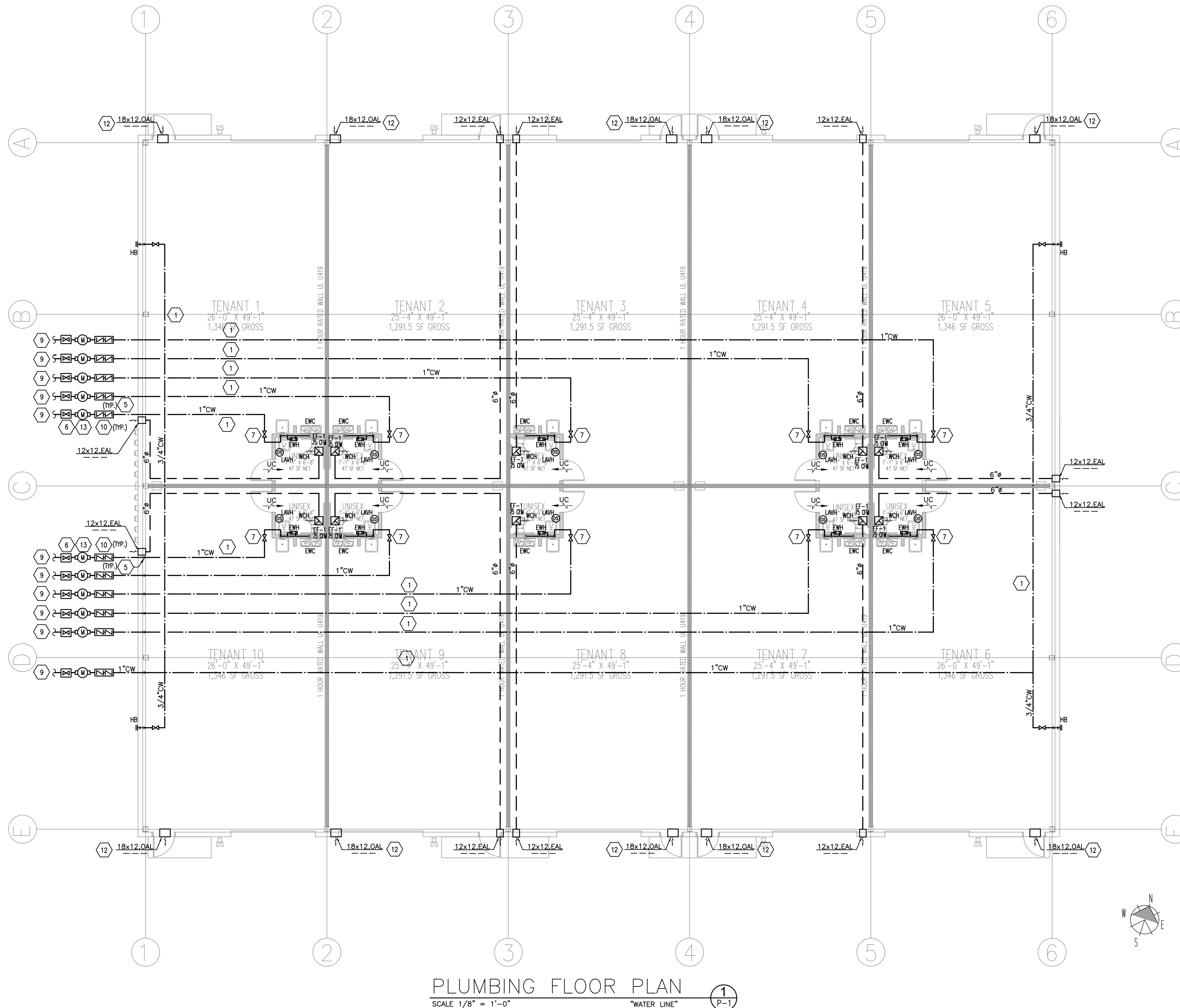
PROJECT NUMBER:
MTF17054

PARQUE DRIVE BUSINESS PARK - BUILDING 1
OWNER/DEVELOPER: PETER TYOR, OWNER, TYOR, LLC, 418 N SEGRAVE STREET, SUITE B, DAYTONA BEACH, FL 32114
PROJECT LOCATION: 200 PARQUE DRIVE, BUILDING 1, HOLLY HILL, FL, 32117
GENERAL CONTRACTOR: GENERAL MECHANICAL CORPORATION, PETER M. TYOR, PRESIDENT, CCC457756, 418 N. SEGRAVE ST. SUITE B, DAYTONA BEACH, FL, 32114, PH: (386)255-5222 FX: (386)256-8924

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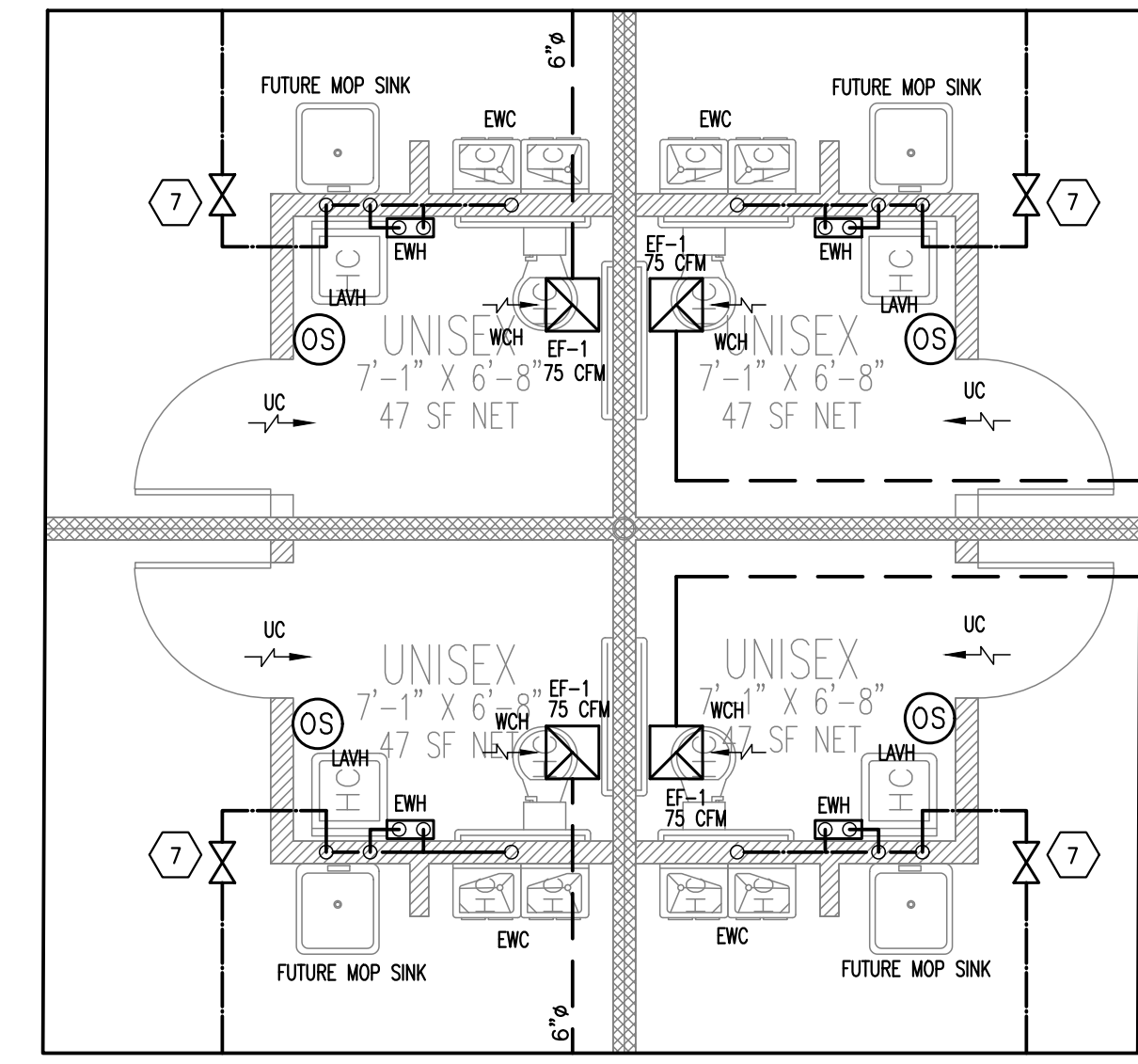
PLUMBING FLOOR PLAN
DATE: MARCH 5, 2018
SCALE: AS SHOWN
ARCHITECT'S / ENGINEER'S SEAL

SHEET NO. P-SH1

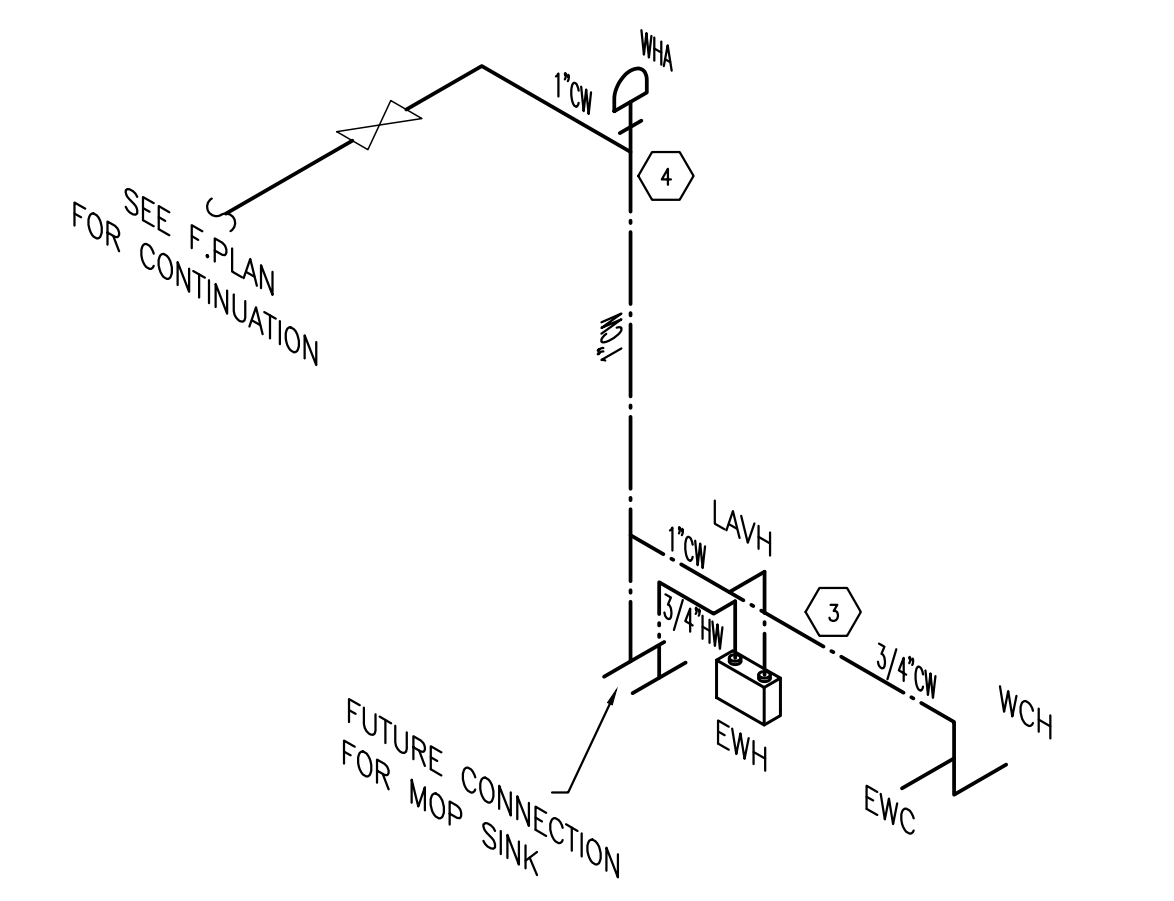


PLUMBING FLOOR PLAN
SCALE 1/8" = 1'-0" "WATER LINE" 1 P-1

- PLUMBING REFERENCE NOTES
- 1 PIPING LOCATED AT OR ABOVE CEILING.
 - 2 PIPING LOCATED BELOW FLOOR SLAB.
 - 3 PIPING LOCATED IN WALL AND RUN TO CONNECT TO FIXTURE(S).
 - 4 PIPING DROP AND RUN IN WALL.
 - 5 WATER PIPING RISE FROM BELOW GRADE, OFFSET INTO WALL ABOVE FLOOR SLAB IN WALL, RISE TO ABOVE CEILING.
 - 6 BUILDING SERVICE WATER SHUT-OFF VALVE IN RECESSED VALVE BOX WITH REMOVABLE ACCESS COVER FLUSH WITH GRADE OR PAVEMENT.
 - 7 PROVIDE SHUTOFF VALVE REQUIRED PER SECTION 606.1 AND 606.2 OF FBC-PLUMBING.
 - 8 4" SANITARY WASTE PIPING BELOW GRADE. REFER TO CIVIL SITE DRAWING FOR CONTINUATION.
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 - 11 PROVIDE CLEAN OUT AT EACH BRANCH, ACCESSIBLE WITH SAME SIZE OF WASTE LINE CONNECTED TO.
 - 12 OUTDOOR AIR VENTILATION PROVIDED FOR FUTURE AIR CONDITION SYSTEM. CONTRACTOR SHALL PROVIDE LOUVER, CAP AND SEAL FOR FUTURE USE.
 - 13 PRIVATE METER FOR EACH TENANT.



PLUMBING ENLARGE PLAN 2 P-1
SCALE 1/4" = 1'-0" "WATER LINE"



PLUMBING RISER DIAGRAM 3 P-2
NOT TO SCALE "WATER LINE"

REVISIONS

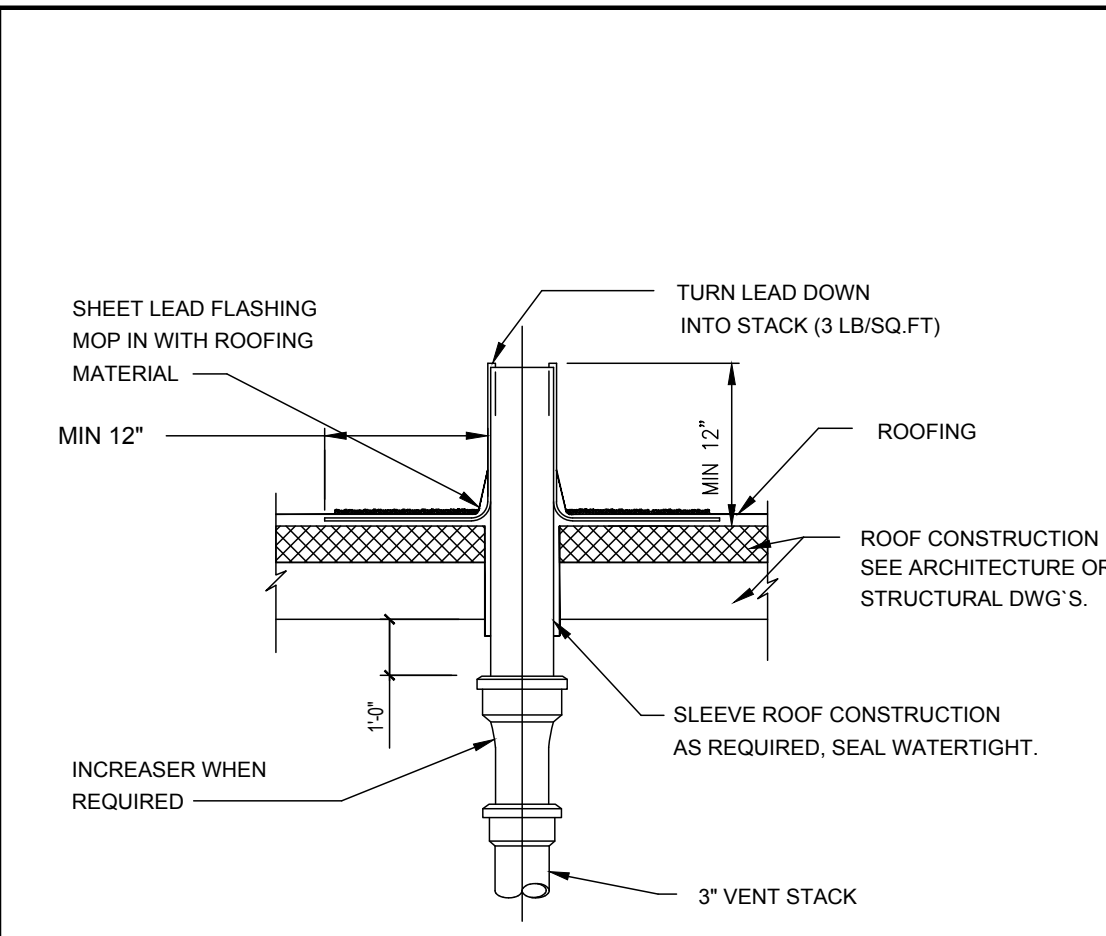
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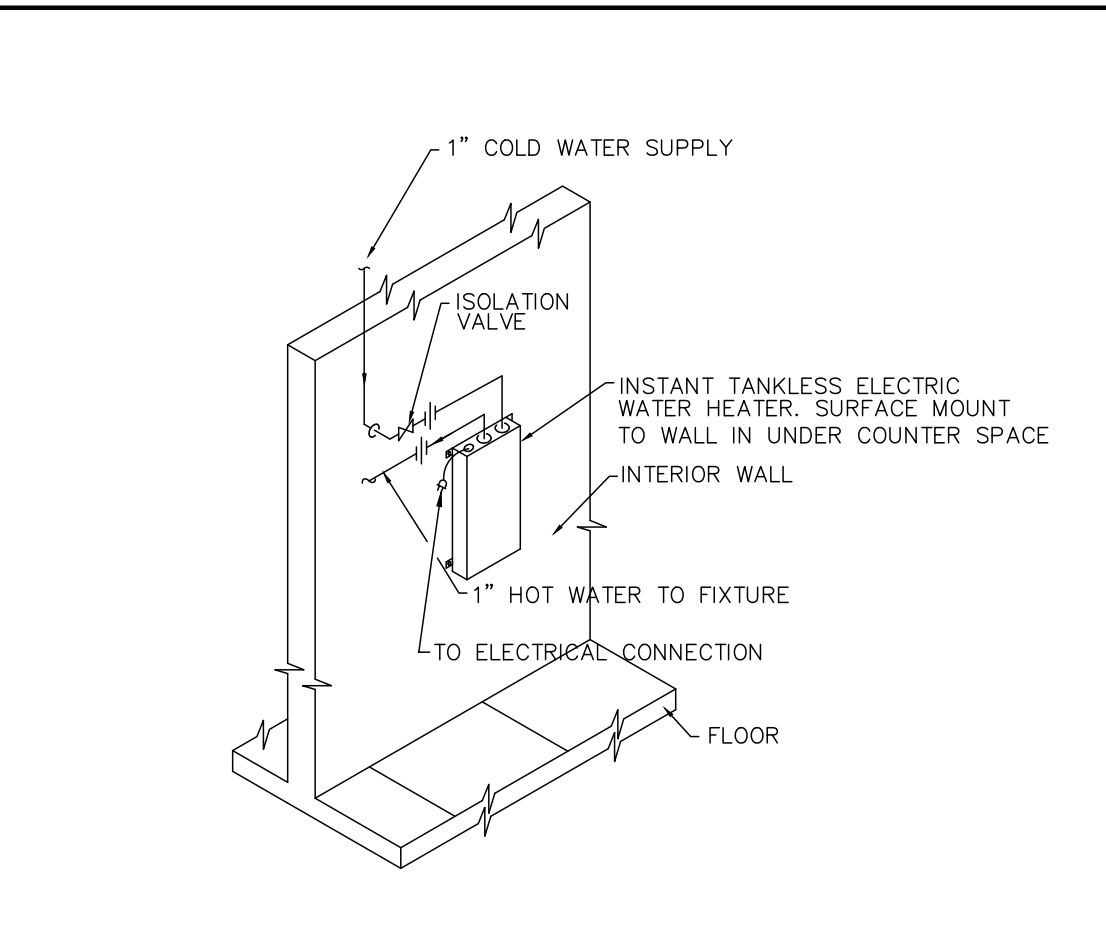
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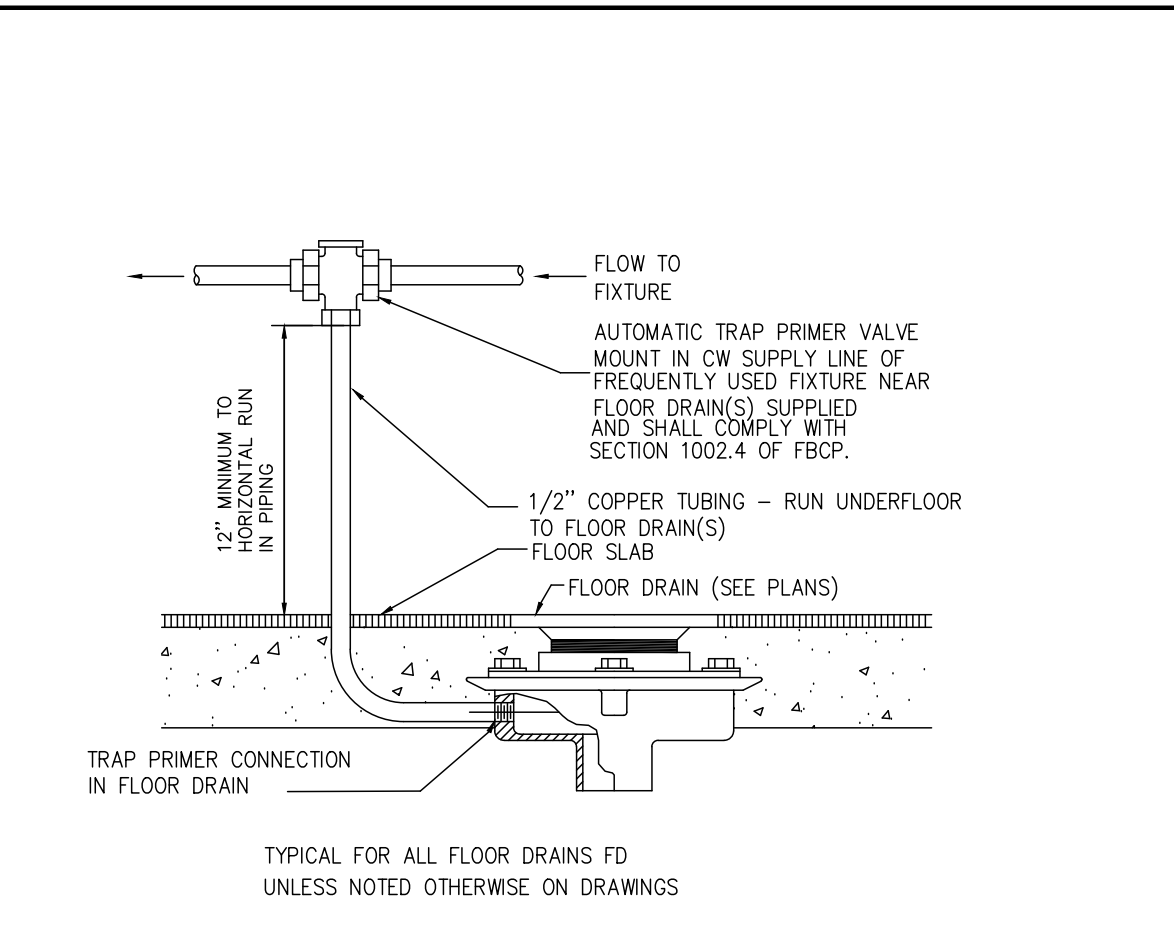
PLUMBING FLOOR PLAN
 DATE: MARCH 5, 2018
 SCALE: AS SHOWN
 ARCHITECT'S / ENGINEER'S SEAL



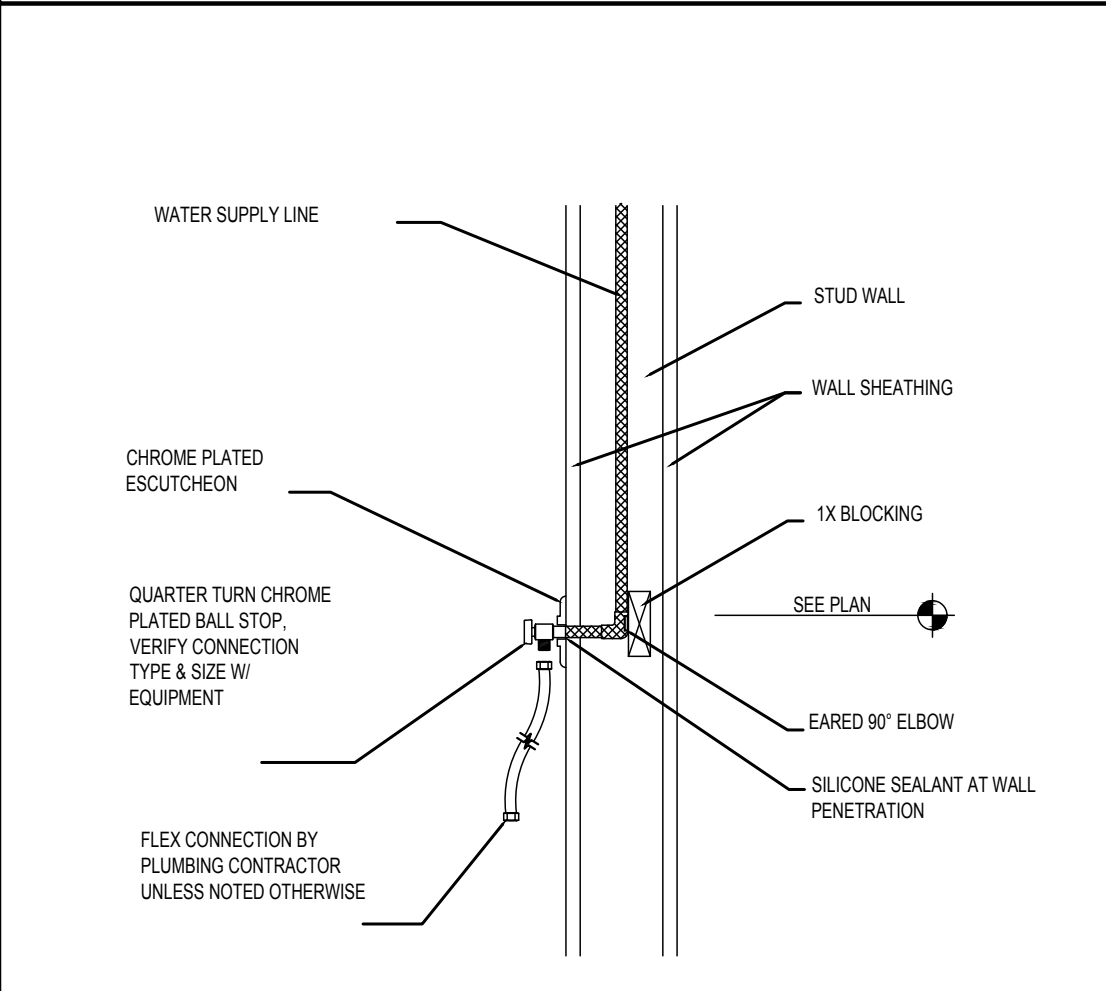
1 VENT THRU ROOF DETAIL(VTR)
P3 N.T.S



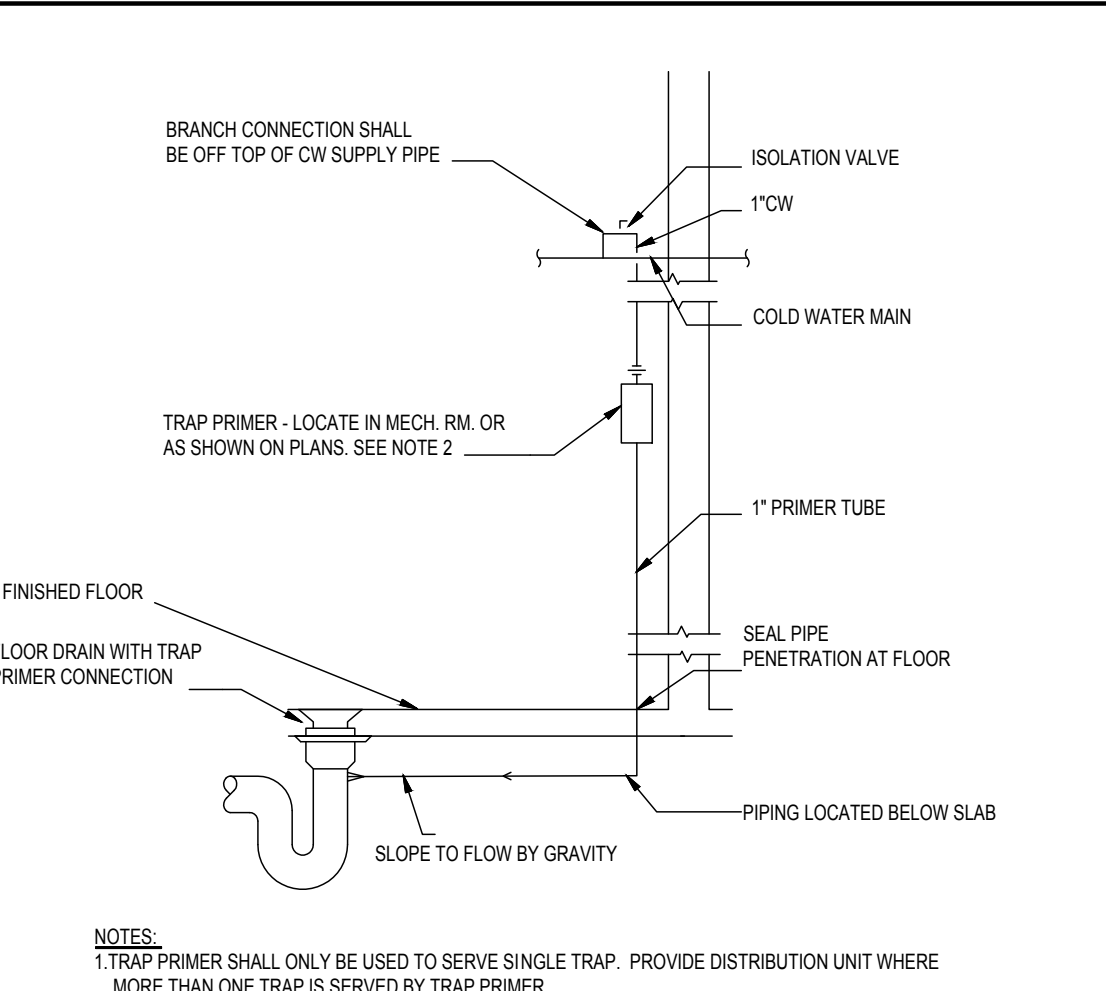
2 INSTANT-FLOW WATER HEATER-DETAIL
P3 N.T.S



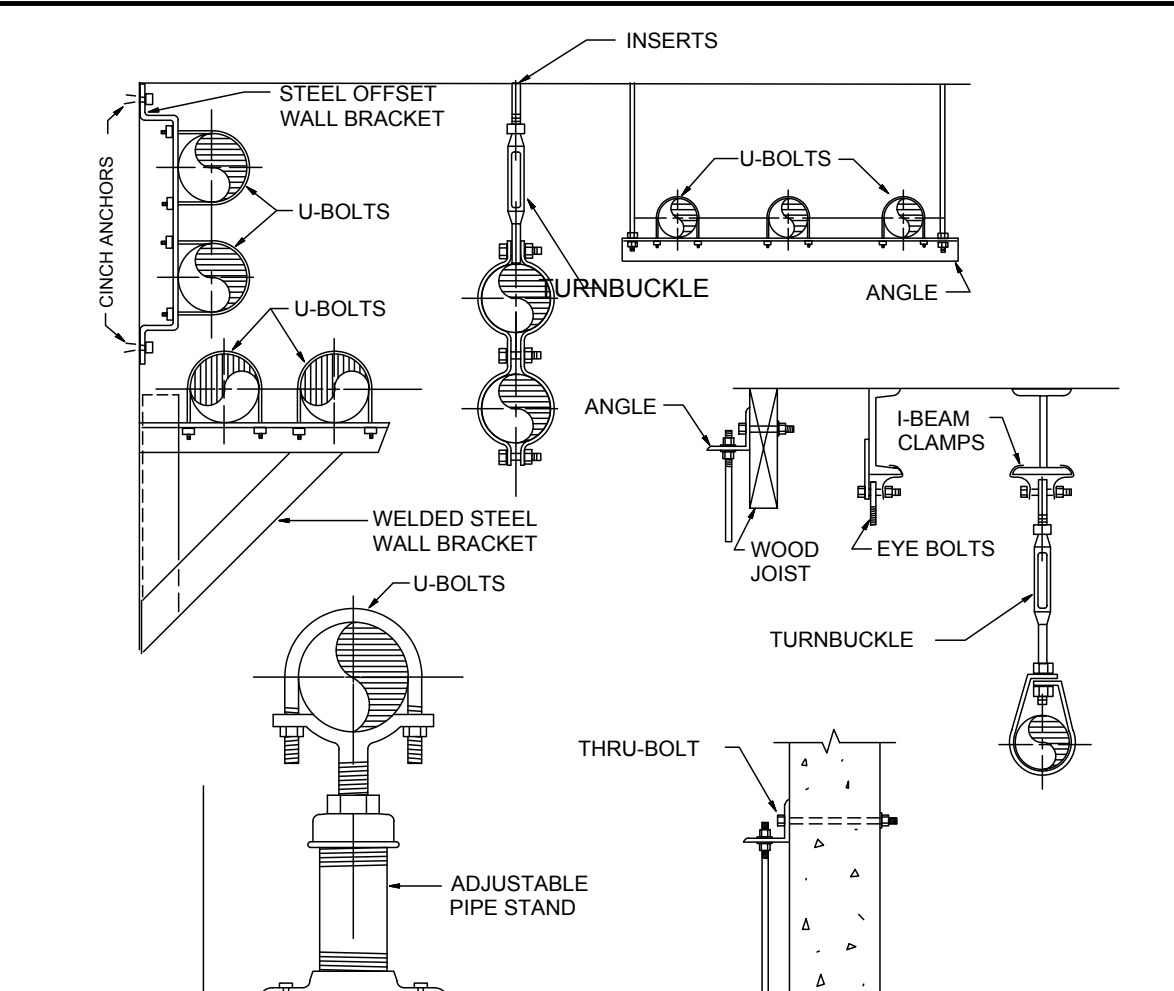
3 TRAP PRIMER CONNECTION DETAIL
P3 N.T.S



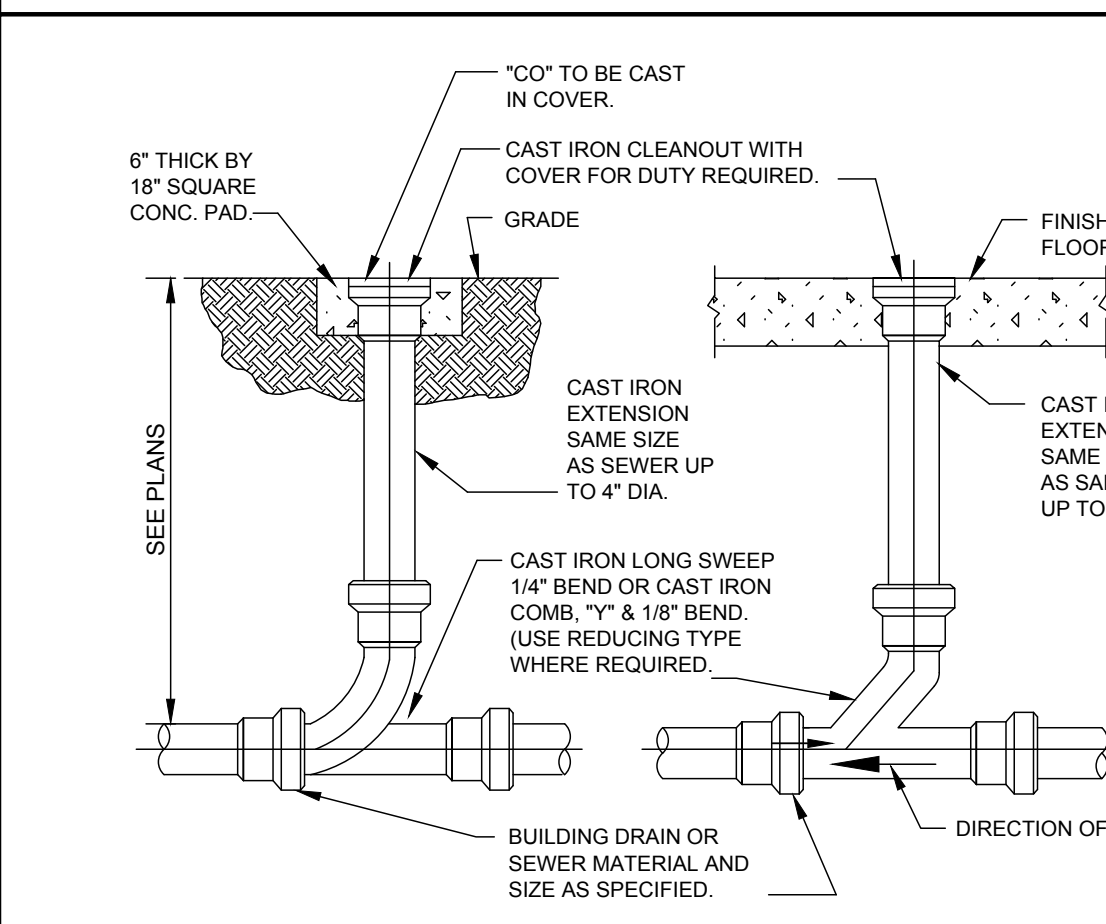
4 TYP. WATER SUPPLY CONNECTION DETAIL
P3 N.T.S



5 FLOOR DRAIN WITH TRAP PRIMER DETAIL
P3 N.T.S



6 TYPICAL PIPE SUPPORT DETAIL
P3 N.T.S



EXTERIOR CLEANOUT (COTG) INTERIOR FLOOR CLEANOUT (FCO)
CLEANOUT (CO) DETAILS

7 ONE WAY CLEANOUT DETAIL(E/F.C.O.)
P3 N.T.S

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE NAME	MANUFACTURER / MODEL #	DESCRIPTION / COMMENTS
WCH	WATER CLOSET, HANDICAPPED TANK TYPE	AMERICAN STANDARD 270AA.001 SEAT 5321.110	CADET 3 RIGHT HEIGHT ELONGATED TOILET, VITREOUS CHINA, LOW CONSUMPTION, 1.6 GALLON PER FLUSH TOILET, POWER WASH, INCLUDES COLOR MATCH BOWL CAPS, CHROME FINISH TRIP LEVER IS SUPPLIED, F COLOR SELECTED BY ARCHITECT. MOUNTING HEIGHT PER ADA, ANSI STANDARDS. -4021.001N TANK ELONGATED SEAT WITH SLOW CLOSE SNAP-OFF HINGES
LAVH	LAVATORY, HANDICAPPED	AMERICAN STANDAR DECLYN- 0321.075 MOEN MODEL: L4621 W/MIXING VALVE MODEL: 104451 McGUIRE 8902 McGUIRE 158-WC ZURN ZR-1231 HANDI LAV-GUARD MODEL 101 BY TRUEBRO OR TRAPWRAP 500 BY BROCAR PRODUCTS, INC	WALL-MOUNT, 18-1/2"x17",VITREOUS CHINA, REAR OVERFLOW, SOAP DEPRESSION W/ SELECTRONIC INTEGRATED HARD-WIRED AC POWERED FAUCET MODEL 7056.215 AMERICAN STANDARD. FAUCET, SINGLE LEVER HANDLE, WITH 0.50 GPM AERATOR, VANDAL RESISTANT. ALL CHROME FINISH, 4" COVER PLATE LESS POP-UP. PERFORATED GRID STRAINER, 1 1/4" O.D. OFFSET TAIL PIECE 17 GAUGE 1 1/4" x 1 1/2" P-TRAP W/CLEANOUT, ALL OF THE ABOVE SHALL BE CHROME PLATED CAST BRASS, INCLUDING ESCUTCHEON PLATE. TAIL PIECE OFFSET ADJUSTED TO HEIGHT AS RECOMMENDED BY THE MANUFACTURER TO MEET ADA SUPPLY/STOP & WALL MOUNTED CHROME PLATED BRASS WITH SOLID RING ESCUTCHEONS. CARRIER INSULATE WATER AND WASTE WATER LINES, INCLUDING P-TRAP AND SUPPLY STOPS.
MS	MOP SINK (FOR FUTURE)	FIAT MSB-2424	FLOOR MOUNTED, 24"x 24" w/ 830-AA FAUCET & VACUUM BREAKER 1453-BB STRAINER AND 832-AA HOSE BRACKET.
TPV	TRAP PRIMER VALVE	PRECISION PLUMBING PRODUCTS #P-2 OR #P-4 OR EQUAL	FOR DISTRIBUTION TO (1) OR (4) DRAINS. PROVIDE WHERE REQUIRED BY LOCAL AUTHORITIES HAVING JURISDICTION.
EWC	ELECTRIC WATER COOLER	OASIS PGBFESL (REFRIGERATED)	WALL HUNG ADA, HIGH-LOW, SPLIT-LEVEL, MOUNTING BRACKET. PROVIDE P-TRAP, SUPPLY STOP AND WALL ESCUTCHEON. BUILT IN FILTER AND BOTTLE COUNTER.
FD	FLOOR DRAIN	JOSAM 30000-E1-50	WITH P-TRAP, TRAP PRIMER AND RECESSED RIM.
ECO	EXTERIOR CLEANOUT	JOSAM 58680	COATED CAST IRON FERRULE, INSIDE CAULK CONNECTION WITH TAPERED THREAD BRONZE PLUG, SET IN 18"x18"x6" THICK CONCRETE PAD.
FCO	FLOOR CLEANOUT	JOSAM 58460A	COATED CAST IRON INSIDE CAULK CONNECTION WITH INTERNAL GASKETED ABS CLEAN OUT PLUG AND ADJUSTABLE ABS HOUSING AND ROUND STAIN NIKALOY TOP.
HB	HOSE BIBB	WOODFORD MODEL MB24	PROVIDE WITH VACUUM BREAKER NON FREEZE FOR EXTERIOR. PROVIDE STAINLESS STEEL BOX WITH LOCK.

WATER SHOCK ARRESTOR SIZING CHART

(BASED ON SOUIX CHIEF HYDRA-RESTOR)

NO. FIXTURE UNITS	MODEL NO.	UNIT SIZE	CONNECTION SIZE	LOCATION	REMARKS
1-11	652-A	A	1/2"	CONTRACTOR TO LOCATE IN FIELD	LOCATE AT HIGH POINTS
12-32	653-B	B	3/4"	CONTRACTOR TO LOCATE IN FIELD	LOCATE AT HIGH POINTS

ELECTRICAL TANKLESS WATER HEATER SCHEDULE

TAG NO.	MANUFACTURER	LOCATION AREA	MODEL NUMBER	BTUH INPUT	GPH 31" RISE	CONNECTION SIZES INLET OUTLET	VOLTS/PH/Hz	INPUT KW	SHIPPING WEIGHT (LBS)	REMARKS
EWH-1	EEMAX	BATHROOM	EX48T	16360	30	3/4" 3/4"	208-230/1/60	4.8	3	-

NOTE:
SEE INSTALLATION DETAIL.

EXHAUST FAN SCHEDULE

MARK	OR EQUAL TO		SERVICE	TYPE	FAN				MOTOR		NOTE:
	MANUFACTURER	MODEL NO.			CFM	E.S.P. IN. WC	RPM	DRIVE	HP (WATTS)	V/PH/Hz	
EF-1	GREENHECK	SP-A90	RESTROOM	CEILING	75	0.20	900	DIRECT	(29)	115/1/60	1. PROVIDE OCCUPANCY SENSOR. 2. PROVIDE SPEED CONTROL. 3. PROVIDE BACKDRAFT DAMPER (BDD), AND BIRD SCREEN. 4. PROVIDE SUPPORT RODS AND VIBRATION ISOLATORS.

PLUMBING LEGEND

SYMBOL	ABBREV.	DESCRIPTION	SYMBOL	ABBREV.	DESCRIPTION
— SAN —	SAN	SANITARY WASTE	J-L	VTR	VENT THRU ROOF
— GL —	GL	GREASE LINE	— P —	P-TRAP	
— SD —	SD	STORM DRAIN	(D) —	FD	FLOOR DRAIN
— CD —	CD	CONDENSATE DRAIN	— HD —	HD	HUB DRAIN
— CW —	CW	COLD WATER	— ECO —	ECO	EXTERIOR CLEANOUT
— HW —	HW	HOT WATER	— WCO —	WCO	WALL CLEAN OUT
— HWR —	HWR	HOT WATER RETURN	— CO —	CO	CLEAN OUT
—>—		DIRECTION OF FLOW	— FCO —	FCO	FLOOR CLEAN OUT
— V —	V	VENT LINE	— GV —	GV	GATE VALVE
— RD —	RD	ROOF DRAIN	—>—		POINT OF CONNECTION
— SRD —	SRD	SECONDARY ROOF DRAIN	— HB —	HB	HOSE BIBB
— CV —	CV	CHECK VALVE	—>—		BRANCH - TOP CONNECTION
— BV —	BV	BALL VALVE (FULL PORT)	—>—		BRANCH - BOTTOM CONNECTION
— C —	C	CAPPED PIPE	—>—		BRANCH - SIDE CONNECTION
—>—		RISER DOWN (ELBOW)	— DFU —	DFU	DRAIN FIXTURE UNITS
—<—		RISER UP (ELBOW)	— WFU —	WFU	WATER FIXTURE UNITS
			— GPM —	GPM	GALLONS PER MINUTE

PLUMBING SCHEDULE AND DETAILS 1
NOT TO SCALE P-3

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PLUMBING SCHEDULE AND DETAILS

DATE: MARCH 5, 2018
SCALE: AS SHOWN
SHEET NO. P-3/3
ARCHITECT'S / ENGINEER'S SEAL

SECTION 15400 – PLUMBING

- 1. SCOPE OF WORK**
 A. FURNISHING OF ALL LABOR, MATERIALS, TOOLS, TRANSPORTATION SERVICES, ETC. NECESSARY TO COMPLETE THE INSTALLATION OF THE PLUMBING SYSTEM AND AS DESCRIBED IN THESE SPECIFICATIONS, AS ILLUSTRATED ON THE ACCOMPANYING DRAWINGS, OR AS DIRECTED BY THE ARCHITECT.
 B. ALL HOT AND COLD WATER SYSTEMS WITH COMPLETE CONNECTIONS FROM THE WATER METER TO ALL PLUMBING FIXTURES AND EQUIPMENT REQUIRING WATER CONNECTIONS. THESE SYSTEMS WILL BE COMPLETE WITH CONTROLS, VALVES, EQUIPMENT, DEVICES AND INSULATION.
 C. ALL SOIL, WASTE, AND VENT SYSTEMS OUTSIDE AND INSIDE THE BUILDING AND SEWER CONNECTIONS TO MUNICIPAL SYSTEM AS INDICATED ON DRAWINGS.
 D. FURNISH AND SET PLUMBING FIXTURES, INCLUDING ALL THE REQUIRED TRIM AND SUPPORTS.
 E. TRENCHING, PIPE BEDDING, BACKFILLING, COMPACTION AND SOIL TREATMENT.
 F. ALL ROUGH-IN AND FINAL CONNECTION TO EQUIPMENT, FIXTURES AND SERVICE AREAS IF INDICATED ON THE DRAWINGS, INCLUDING NECESSARY TRAPS AND MISCELLANEOUS ITEMS AS REQUIRED. COORDINATE W/OWNER.
 G. FURNISH ALL FINAL PLUMBING CONNECTIONS TO HEATING AND AIR CONDITIONING EQUIPMENT INCLUDING CONDENSATE DRAINS, INDIRECT WASTE AND GAS PIPING.
 H. METERS AND UTILITY CONNECTIONS:
 a. WATER: COORDINATE WORK WITH THE LOCAL WATER COMPANY. FURNISH ALL LABOR AND/OR MATERIAL (NOT FURNISHED BY THE WATER COMPANY) WHICH IS REQUIRED TO CONNECT TO EXISTING LINE AND/OR SET METER. INSTALL ALL PERMANENT WATER SUPPLY LINES FROM THE POINT OF CONNECTION AND COMPLETE THE WORK AS SHOWN, ALL IN LINES FROM THE POINT OF CONNECTION AND COMPLETE THE WORK AS SHOWN, ALL IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL WATER COMPANY. TAP FEES SHALL BE PAID BY OWNER. (IF REQUIRED) PLUMBING CONTRACTOR SHALL PAY ALL WORK RELATED INSPECTION FEES BY AUTHORITY HAVING JURISDICTION.
 b. SEWER CONNECTIONS: COORDINATE WORK WITH THE LANDLORD AND/OR LOCAL UTILITY COMPANY. ALL WORK AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL GOVERNING AUTHORITY. TAP FEES SHALL BE PAID BY OWNER (IF REQUIRED). PLUMBING CONTRACTOR SHALL PAY ALL WORK RELATED INSPECTION FEES BY AUTHORITY HAVING JURISDICTION (IF REQUIRED).
 c. GAS: COORDINATE WORK WITH LOCAL UTILITY AND FURNISH ALL LABOR AND/OR MATERIALS (NOT FURNISHED BY UTILITY WHICH IS REQUIRED TO PROVIDE A WORKING UTILITY FOR OWNER, INCLUSIVE OF METER AND/OR REGULATOR. FURNISH SYSTEM FROM TAPPING POINT TO AND IN THE BUILDING AS REQUIRED AND SHOWN ON DRAWINGS. TAP FEES SHALL BE PAID BY OWNER. PLUMBING CONTRACTOR SHALL PAY ALL WORK RELATED INSPECTION FEES.
 I. GAS PIPING TO HEATING, VENTILATING AND AIR CONDITIONING EQUIPMENT, AND WATER HEATER.

- 2. SHOP DRAWINGS**
 A. WITHIN 15 DAYS AFTER AWARD OF CONTRACT, AND BEFORE ANY PLUMBING MATERIALS ARE DELIVERED TO THE JOB SITE, SUBMIT TO THE OWNER THREE (3) COMPLETE SHOP DRAWINGS IN ACCORDANCE WITH THE PROVISIONS OF SECTION 01300 OF THESE SPECIFICATIONS, INCLUDING ALL PLUMBING FIXTURES, TRIM, DRAINS, CLEANOUTS, PIPING, VALVES, INSULATION, HANGERS, SUPPORTS, EQUIPMENT AND DEVICES PROPOSED TO BE FURNISHED AND INSTALLED. SHOP DRAWINGS SHALL NOT BE REVIEWED UNLESS THEY BEAR THE REVIEW STAMP OF THE GENERAL CONTRACTOR.

- 3. PRODUCT HANDLING**
 A. IN THE EVENT OF DAMAGE, IMMEDIATELY MAKE ALL REPAIRS AND REPLACEMENTS NECESSARY TO THE APPROVAL OF, AND AT NO ADDITIONAL COST TO THE OWNER.

- 4. EXAMINATION OF THE SITE**
 A. ALL CONTRACTORS SUBMITTING PROPOSALS FOR THIS WORK SHALL FIRST EXAMINE THE SITE AND ALL CONDITIONS, INCLUDING LOCAL RULES & REGULATIONS, THEREON AND/OR THEREIN. ALL PROPOSALS SHALL HAVE TAKEN INTO CONSIDERATION ALL CONDITIONS THAT MAY AFFECT THE WORK UNDER THIS CONTRACT. LACK OF THIS INFORMATION WILL NOT BE CONSIDERED AS JUSTIFICATION FOR EXTRA COST OR ALLOWANCES TO THE CONTRACT PRICE.

- 5. GUARANTEE**
 A. ALL WORK PERFORMED UNDER THIS SECTION SHALL BE GUARANTEED TO BE FREE OF DEFECTIVE MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE OF THE WORK BY THE OWNER.
 B. UPON NOTICE RECEIVED FROM THE OWNER, ARCHITECT OR ENGINEER, OF FAILURE OF ANY PART OF THE GUARANTEED EQUIPMENT DURING THE QUARANTY PERIODS, THE AFFECTED PART OR PARTS SHALL BE PROMPTLY REPLACED WITH NEW PARTS BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. ALL LABOR REQUIRED TO PERFORM GUARANTEED SHALL BE INCLUDED AS PART OF THE COMPLETE WARRANTY.

- 6. PRODUCTS**
 A. DESCRIPTION
 a. SOIL, WASTE AND VENT PIPING: BELOW FLOOR TO 5'0" OUTSIDE BUILDING AND YARD PIPING SHALL BE A.B.S. OR P.V.C. SCHEDULE 40 PIPE AND FITTINGS IF APPROVED BY LOCAL AUTHORITY, OR STANDARD WEIGHT COATED CAST IRON SOIL PIPE AND CAST IRON/NEOPRENE GASKET FITTINGS CONFORM TO ONE OF THE STANDARDS LISTED IN TABLE 702.2 OF FPCP (6TH EDITION). YARD PIPING, WHERE UNDER A SUPERIMPOSED LOAD CONDITION SUCH AS A DRIVEWAY OR PARKING AREA, SHALL BE SERVICE WEIGHT CAST IRON SOIL PIPE AND CAST IRON/NEOPRENE GASKET FITTINGS.
 b. ABOVE FLOOR SHALL BE A.B.S. OR P.V.C. SCHEDULE 40 IF APPROVED BY LOCAL AUTHORITY, OR STANDARD WEIGHT COATED CAST IRON PIPE WITH NEOPRENE RUBBER GASKETS, OR HUBLESS CAST IRON PIPE WITH NEOPRENE RUBBER GASKETS AND STAINLESS STEEL CLAMPS (CLAMPS ALL OR EQUAL) CONFORM TO ONE OF THE STANDARDS LISTED IN TABLE 702.1 OF FPCP (6TH EDITION).
 c. HOT AND COLD WATER PIPING: ABOVE THE FLOOR SHALL BE TYPE "L" COPPER WITH 95/5 SWEAT SOLDERED AND WROUGHT COPPER FITTINGS. UNDER BUILDING SLABS SHALL BE TYPE "K" SOFT DRAWN COPPER TUBING WITHOUT JOINTS UNDER FLOOR. LOOP FROM WALL TO WALL, OR CPVC MATERIAL PIPING; CONFORM TO ONE OF THE STANDARDS LISTED IN TABLE 605.3 AND 605.4 OF FPCP (6TH EDITION) BASED ON INTENDED USE OF PIPING. ALL HOT WATER DISTRIBUTION PIPE AND TUBING SHALL HAVE MINIMUM PRESSURE RATING OF 100 PSI AT 180°F.
 d. CONDENSATE DRAIN PIPING:
 • CONDENSATE DRAIN PIPING SHALL BE GALVANIZED SCHEDULE 40 OR P.V.C. FROM HVAC ON ROOF AND OTHER EQUIPMENT UNLESS STATED OTHERWISE.
 • CONTRACTOR SHALL FURNISH AND INSTALL MIN. 1" COPPER CONDENSATE DRAINS ON COOLER/FREEZER EVAPORATOR COILS, WITH TRAP ASSEMBLY AND 2" AIR GAP ABOVE DRAIN AS SHOWN ON THE DRAWINGS. FREEZER CONDENSATE PIPING SHALL BE WRAPPED WITH HEAT TAPE WITH A MINIMUM RATING OF 10 WATTS PER LINEAL FOOT FOR ITS ENTIRE LENGTH WITHIN THE FREEZER COMPARTMENT.
 e. INDIRECT WASTE PIPING: SHALL BE TYPE "L" COPPER WITH 95/5 SWEAT SOLDER AND WROUGHT COPPER FITTINGS (SEE PLUMBING PLAN FOR REQUIREMENTS) UNLESS OTHERWISE INDICATED.
 f. NATURAL GAS PIPING:
 • GAS PIPING INCLUDING TAP AND SERVICE SHALL BE INCLUDED. COORDINATE METER LOCATION WITH LOCAL AUTHORITY.
 • UNDERGROUND GAS PIPING SHALL BE SCHEDULE 40 BLACK STEEL PIPE WITH LONG RADIUS STEEL WELDING FITTINGS. PROTECT PIPE AND FITTINGS WITH TRANTEX WRAPPING TAPE

- APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION. OTHER TYPE OF PIPE PROTECTION OF EQUIVALENT QUALITY WILL BE OPTIONAL WITH THIS CONTRACTOR. INSTALLATION OF GAS SERVICE PIPING AND MATERIAL SHALL MEET WITH LOCAL GAS COMPANY'S APPROVAL.
 • GAS PIPING ABOVE GROUND SHALL BE SCHEDULE 40 BLACK STEEL WITH 125 LB. BLACK MALLEABLE IRON SCREWED FITTINGS AND SUPPORTED AT INTERVALS NOT TO EXCEED 8'-0" AND AT EACH CHANGE IN HORIZONTAL OR VERTICAL DIRECTION, GAS PIPING COMPOUND AT JOINTS SHALL BE IN COMPLIANCE WITH NFPA BULLETIN NO. 54 AND LOCAL APPLICABLE CODES AND SUITABLE FOR NATURAL GAS SERVICE.
 • GAS PIPING SHALL SUPPLY, WATER HEATER AND KITCHEN EQUIPMENT IF INDICATED ON DRAWINGS BY THIS CONTRACTOR.
 • MOISTURE TRAPS SHALL BE INSTALLED ON EACH PIPING DROP FOR WATER HEATER AND KITCHEN EQUIPMENT.
 • ALL SUPPORTS SHALL BE PIPING SHALL BE PROVIDED WITH SUPPORT IN ACCORDANCE WITH SECTION 407 AND 415 FBCFG (6TH EDITION).
 g. STORM DRAIN LEADER: SAME AS SOIL, WASTE & VENT PIPING.
 h. INSULATION: ALL WATER PIPES, RAIN LEADERS AND ETC., SHALL BE INSULATED. PIPING SHALL BE INSULATED TO PREVENT EXCESSIVE HEAT LOSS, CONDENSATION AND SWEATING. ALL PIPES RUNNING IN UNCONDITIONED SPACE SHALL BE PROTECTED AGAINST FREEZING. ALL PIPING SHALL BE INSULATED WITH AT LEAST 1" THICK FOAM INSULATION HAVING A CONDUCTIVITY NOT EXCEEDING 0.28 BTU PER INCH/H xSO.FT PER FBCEC (6TH EDITION) SECTION 504.5 AND 607.2.1 AS MANUFACTURED BY ARMSTRONG ARMAFLEX OR APPROVED EQUAL AS INDICATED ON PLANS AND NOTES. AS MUCH OF THE INSULATION AS POSSIBLE SHALL BE SLIPPED ON TO THE PIPING AS THE PIPING IS BEING CONNECTED IN ORDER TO AVOID CUTTING THE INSULATION. ALL BUTT ENDS AND ANY NECESSARY LONGITUDINAL JOINTS SHALL BE SEALED WITH RUBBER BASED ADHESIVE.

- 7. FIXTURES**
 A. SEE DRAWINGS FOR SPECIFICATIONS.
8. FLASHINGS
 A. ALL PIPING AND VENTS PASSING THROUGH ROOF SHALL BE FLASHED WATERTIGHT WITH SIX POUND TO THE SQUARE FOOT LEAD USING SLEEVE FLASHING WITH BASE EXTENDING AT LEAST 12 INCHES IN EACH DIRECTION BEYOND THE OUTSIDE DIAPHRAGM OF THE PIPE. TURN SLEEVE DOWN A MINIMUM OF 1-1/2" INTO TOP OF VENT PIPE WITH LEAD FITTING SNUGLY INSIDE OF PIPE. ALL GAS VENT CAPS SHALL BE FITTED WITH LEAD FITTING SNUGLY INSIDE OF PIPE. ALL VENT CAPS SHALL BE VANDAL PROOF. VERIFY APPROVED FLASHING MATERIAL AND METHODS WITH ROOFING CONTRACTOR TO ENSURE A COMPLETE JOB. SEE DETAILS ON ARCH. SHEETS.
9. CLEANOUTS
 A. SEE DRAWINGS FOR SPECIFICATIONS.

- 10. EQUIPMENT**
 A. WATER HEATER: FURNISHED, INSTALLED BY PLUMBING CONTRACTOR.
 a. SIZE, CAPACITY, TYPE AND MANUFACTURER AS INDICATED BY DRAWINGS.
 b. N/A
 c. THE WATER HEATER, GAS OR ELECTRIC, SHALL BE PROVIDED WITH ALL TEMPERATURE AND SAFETY CONTROLS INCLUDING ASME AND ANSI Z21.22 RATED TEMPERATURE CONFORM TO ASSE1070 AND PRESSURE RELIEF VALVE, GAS PRESSURE REGULATOR (IF REQUIRED), DRAIN VALVE, EXPANSION TANK, ETC.
 d. PLUMBER SHALL MAKE WATER, GAS AND RELIEF LINE CONNECTIONS WITH CUTOFF VALVES AND DIELECTRIC UNIONS IN WATER AND GAS LINES.
 B. VALVES, COCKS AND FAUCETS
 a. UNLESS SPECIFICALLY INDICATED ELSEWHERE, THE VALVES SHALL BE DESIGNED FOR NOT LESS THAN 160 LBS. WORKING PRESSURE AND SHALL COMPLY WITH SECTION 605 6TH EDITION FBCP 2017. THE VALVES SHALL HAVE SUITABLE VALVE BODY PATTERNS FOR CONNECTION TO THE PIPE FOR WHICH THEY WILL OPERATE. ALL VALVES WITH RISING STEMS SHALL HAVE BACK SEATS FOR PACKING UNDER PRESSURE. ALL VALVES AND CONNECTIONS SHALL BE CONSTRUCTED WITH MATERIAL COMPLY WITH LEAD CONTENT STANDARD PER SECTION 605.2 6TH EDITION OF FBCP (6TH EDITION). APPROVED EQUAL GATE VALVES AND CHECK VALVES AS MANUFACTURED BY STOCKHAM, WALWORTH, LUNKENHEIMER, SCOTT, HAMMOND, CRANE OR WATTS WILL BE ACCEPTABLE.
 b. GATE VALVES SHALL BE OF AN APPROVED TYPE AND COMPATIBLE WITH THE TYPE OF PIPING MATERIAL INSTALLED IN THE SYSTEM. ALL VALVES INTENDED TO SUPPLY DRINKING WATER SHALL MEET THE REQUIREMENTS OF NSF 61.
 c. CUTOFF VALVES UNDERNATH LAVATORIES, TANK TYPE WATER CLOSETS, SANITARY SINKS AND WATER COOLERS SHALL BE CHROME PLATED ANGLE STOP VALVES WITH SOFT ANNEALED CHROME PLATED COPPER CONNECTION PIPES AND CHROME PLATED ESCUTCHEON PLATES.
 d. GAS COCKS FOR ALL EQUIPMENT; SEE DRAWINGS FOR REQUIREMENTS.
 e. WATER CUTOFF VALVE SHALL BE OF AN APPROVED TYPE AND COMPATIBLE WITH THE TYPE OF PIPING MATERIAL INSTALLED IN SYSTEM. ALL VALVES INTENDED TO SUPPLY DRINKING WATER SHALL MEET THE REQUIREMENTS OF NSF61.
 f. EXTERIOR HOSE COCKS AND VALVE FIXTURES TO BE NON-FREEZE TYPE. SUPPLY SHUT-OFF VALVES IF INDICATED ON PLANS.

- 11. EXECUTION**
 A. PIPING
 a. ALL PIPING SHALL BE RUN CONCEALED EXCEPT WHERE SHOWN OTHERWISE ON DRAWINGS.
 b. VALVES, TRAPS, CLEANOUTS AND OTHER APPARATUS SHALL BE INSTALLED IN AN EASILY ACCESSIBLE LOCATION.
 c. SOIL, WASTE LINES 2-1/2" AND SMALLER SHALL SLOPE 1/4" INCH PER LINEAL FOOT AND 3" TO 6" SHALL SLOPE 1/8" INCH PER LINEAL FOOT IN DIRECTION OF FLOW PER FBCP TABLE 704.1, UNLESS OTHERWISE INDICATED OR REQUIRED BY LOCAL CODES.
 d. HOT AND COLD WATER LINES SHALL BE AT LEAST 6" APART WHERE PIPING IS PARALLEL.
 e. ALL WATER LINES SHALL BE RUN OVERHEAD AND DOWN PARTITION WALLS UNLESS NO WALL IS PROVIDED; THEN RUN LINES UNDER SLAB TO POINT OF TERMINATION. ALL LINES SHALL BE CONCEALED UNLESS NOTED OTHERWISE ON PLANS.
 B. HANGERS AND SUPPORTS
 a. COPPER PIPING SHALL BE SUPPORTED AT INTERVALS NOT TO EXCEED 7'-0" AND AT EACH CHANGE IN HORIZONTAL OR VERTICAL DIRECT ON HANGERS SHALL BE FEE & MASON PLASTIC COATED HANGER, FIG. 381 OR APPROVED EQUAL BY GRINNELL. HANGER ATTACHMENT TO STRUCTURE SHALL BE AS REQUIRED. HORIZONTAL SUPPORTS FOR PIPING SHALL WILL BE IN ACCORDANCE TO SECTION 308 OF THE FBCP(6TH EDITION).
 b. GAS PIPING SHALL BE SUPPORTED AT INTERVALS NOT TO EXCEED 8'-0" AND AT EACH CHANGE IN HORIZONTAL OR VERTICAL DIRECTION. STEEL PIPE HANGERS SHALL BE GRINNELL FIG. 104 OR FEE & MASON FIG. 199. ATTACHMENT TO STRUCTURE TO BE AS REQUIRED. HORIZONTAL SUPPORT FOR PIPING WILL BE IN ACCORDANCE TO SECTION 407 AND 415 OF FBCFG (6TH EDITION).
 c. HANGER RODS SHALL BE STANDARD BOLT STEEL WITH MACHINE SCREW THREADS, 3/8" DIAMETER MINIMUM.
 d. ALL PIPING UNDERGROUND SHALL BE FIRMLY BEDDED ON THE BODY OF THE PIPE, AND BELL HOLES PROVIDED AT EACH BELL. ALL PIPING SHALL BE INSTALLED IN GRADED TRENCH. EXCAVATE, BACKFILL AND SUPPORT PIPING AS HEREIN BEFORE SPECIFIED.
 e. FINISHED
 • INDOOR FINISHES
 1. HANGERS AND CLAMPS FOR SUPPORT OF BARE COPPER PIPING SHALL BE COATED WITH COPPER COLORED EPOXY PAINT, B-LINE DURA-COPPER. ADDITIONAL PVC COATING OF THE EPOXY PAINTED HANGER

- SHALL BE USED WHERE NECESSARY.
 2. HANGERS FOR OTHER THAN BARE COPPER PIPE SHALL BE ZINC PLATED IN ACCORDANCE WITH ASTM B633 OR SHALL HAVE AN ELECTRO-DEPOSITED GREEN EPOXY FINISH, B-LINE DURA-GREEN. STRUT CHANNELS SHALL BE RE-GALVANIZED IN ACCORDANCE WITH ASTM A653 SS GRADE 33 G90 OR HAVE AN ELECTRO-DEPOSITED GREEN EPOXY FINISH, B-LINE DURA-GREEN.
 • OUTDOOR AND CORROSIVE AREA FINISHES
 1. HANGERS AND STRUT LOCATED OUTDOORS SHALL BE HOT DIP GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123. ALL HANGER HARDWARE SHALL BE HOT DIP GALVANIZED OR STAINLESS ZINC PLATED HARDWARE IS NOT ACCEPTABLE FOR OUTDOOR OR CORROSIVE USE.
 2. HANGERS AND STRUT LOCATED IN CORROSIVE AREAS SHALL BE TYPE 304 [316] STAINLESS STEEL WITH STAINLESS STEEL HARDWARE.
 C. PLUMBING FIXTURES
 a. FURNISH AND INSTALL ALL PLUMBING FIXTURES COMPLETE WITH ALL EQUIPMENT FITTINGS, TRIMMINGS AND ACCESSORIES, AS SPECIFIED. OPEN FRONT SEATS WITH NO COVERS AS MANUFACTURED BY CHURCH WILL BE ACCEPTABLE.
 b. ALL FIXTURES SHALL BE GRADE A. THE NAME OR TRADE MARK OF THE MANUFACTURER SHALL BE PRINTED OR PRESSED ON ALL CLOSETS AND LAVATORIES, AND A LABEL WHICH CANNOT BE REMOVED WITHOUT DESTROYING IT, CONTAINING THE MANUFACTURER'S NAME OR TRADEMARK AND THE QUALITY OR CLASS OF THE FIXTURES, SHALL BE AFFIXED TO ALL FIXTURES AND NOT REMOVED UNTIL AFTER THE WORK HAS BEEN ACCEPTED.
 c. EXPOSED PIPING TO FIXTURES SHALL BE A PRODUCT OF THE FIXTURE MANUFACTURER OR APPROVED EQUAL AND SHALL BE:
 • WATER: CHROMIUM PLATED IRON PIPE SIZE RED BRASS.
 • WASTE: CHROMIUM PLATED TUBING, EXCEPT WASTE CONNECTIONS TO KITCHEN OR SCULLERY SINKS AS NECESSARY.
 d. STOPS AS MANUFACTURED BY THE FIXTURE MANUFACTURER, WITH METAL-TO-METAL SEAT, SHALL BE PROVIDED FOR ALL FIXTURES AND EQUIPMENT. REFER TO SCHEDULE ON DRAWINGS FOR MANUFACTURER'S AND MODEL NUMBERS USED AS GUIDE. SPECIFICATIONS. NUMBERS AS LISTED REPRESENT THE COMPLETE WORKABLE OUTFITS WITH ALL BRASS TRIM AS FICTURES SHALL BE WHITE UNLESS OTHERWISE NOTED.
 f. FIXTURES FURNISHED BY THIS CONTRACTOR OR BY THE OWNER SHALL BE FITTED WITH NECESSARY WATER SUPPLIES, STOPS AND TRAPS WITH CLEANOUT PLUGS UNDER THIS SECTION OF THE SPECIFICATIONS.
 D. TESTS
 THE PERMIT HOLDER SHALL MAKE THE APPLICABLE TEST PRESCRIBE IN SECTIONS 312.2 THROUGH 312.10 TO DETERMINE COMPLIANCE WITH THE PROVISIONS OF FBCP (6TH EDITION). ALL PLUMBING SYSTEM PIPING SHALL BE TESTED WITH EITHER WATER OR, FOR PIPING SYSTEM OTHER THAN PLASTIC, BY AIR.
 E. CLEANING AND PROTECTION
 a. THE CONTRACTOR SHALL REMOVE FROM THE JOB SITE ALL DEBRIS AND LEFTOVER MATERIALS FOR WHICH HE IS RESPONSIBLE, CLEAN ALL FIXTURES AND EQUIPMENT AND REPAIR ANY BLEMISHES IN THE FINISH. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR REPLACING FIXTURES WHERE DAMAGE RESULTS FROM FAILURE TO PROVIDE PROTECTION DURING INSTALLATION.
 b. FLUSH OUT PIPES: AFTER THE PLUMBING PIPING HAS BEEN INSTALLED, INSPECTED AND APPROVED, THE PIPING SYSTEM SHALL BE FLUSHED TO REMOVE ANY FOREIGN MATTER FROM THE PIPES WITH CHLORINE OR HTH SOLUTION TO SANITIZE THE NEW PIPING OR AS REQUIRED BY THE LOCAL AUTHORITIES PER SECTION 610 FBCP (6TH EDITION).
 F. MAINTENANCE
 a. ALL PARTS OF THE PLUMBING FIXTURES AND ASSOCIATED EQUIPMENT SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT THE GUARANTEE PERIOD, ONE MONTH AFTER FINAL ACCEPTANCE OF THE BUILDING BY THE OWNER, THE CONTRACTOR SHALL GO OVER ALL THE FIXTURES AND TEST ALL WORKING PARTS AND PUT EVERYTHING IN GOOD WORKING ORDER. ALL FIXTURES, INCLUDING TRAPS, SHALL BE THOROUGHLY CLEANED AND ALL PARTS PUT IN GOOD WORKING ORDER.
 b. PLUMBING CONTRACTOR IS REQUIRED TO CLEAN THE DRAIN LINES PRIOR TO TURN OVER.
 c. PLUMBING CONTRACTOR SHALL PROVIDE REDUCED PRESSURE BACK FLOW PREVENTION DEVICE ON THE MAIN DOMESTIC PIPING CONFORM TO SECTION 608 FBCP (6TH EDITION).
 d. CONTRACTOR SHALL PROVIDE BACK FLOW PREVENTION DEVICE FOR DISHWASHER, ICE MAKER AND SODA MACHINE PER FBCP (6TH EDITION) SECTION 608. FOR D.W. APPROVED BY ASSE 1001, FOR ICE MAKER APPROVED BY ASSE 1024 AND FOR SODA MACHINE SHALL BE APPROVED BY ASSE 1022.

- GENERAL NOTES**
 1. IT IS THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO REVIEW THE PLUMBING PLANS AND WRITTEN SPECIFICATIONS TO BECOME FAMILIAR WITH THE FULL SCOPE OF WORK. IN ADDITION, THIS CONTRACTOR SHALL COORDINATE WITH AN OWNER REPRESENTATIVE TO FULLY UNDERSTAND ANY REQUIREMENTS NOT SPECIFIED HEREIN WHICH MAY CONSIDER PART OF THIS CONTRACT. THE PLUMBING CONTRACTOR SHALL VISIT THE SITE AND NOTE ALL EXISTING UNDERSTANDING SHALL NOT CONSTITUTE AN EXCUSE FOR ERRORS OR OMISSIONS, NOR FOR A REQUEST FOR EXTRA COMPENSATION.
 3. THE CONTRACTOR FOR THIS WORK SHALL CAREFULLY INSPECT AND ACQUANT HIMSELF WITH EXISTING CONDITIONS IN ORDER THAT HE FULLY UNDERSTANDS THE WORK REQUIRED. HE SHALL FIELD MEASURE AND VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE PROCEEDING WITH THE WORK.
 4. ALL PLUMBING AND GAS INSTALLATIONS SHALL CONFORM WITH THE FOLLOWING CODES AND STANDARDS:
 a. FLORIDA BUILDING CODE - BUILDING (6TH EDITION) 2017.
 b. FLORIDA BUILDING CODE - MECHANICAL (6TH EDITION) 2017.
 c. FLORIDA BUILDING CODE - PLUMBING (6TH EDITION) 2017.
 d. FLORIDA BUILDING CODE - ENERGY CONSERVATION (6TH EDITION) 2017.
 e. FLORIDA BUILDING CODE - FUEL GAS (6TH EDITION) 2017.
 f. FLORIDA FIRE PREVENTION CODE (6TH EDITION).
 g. NFPA LATEST EDITION.
 h. ASHRAE STANDARD 62.1 (2013)
 i. NATIONAL ELECTRIC CODE (2014)

PLUMBING SPECIFICATION 1 P-4 NOT TO SCALE

5. PIPING LAYOUTS ARE DIAGRAMMATIC AND INTEND TO SHOW GENERAL ARRANGEMENT, SIZE AND CAPACITY. ALL OFFSETS ARE NOT NECESSARILY SHOWN. CONTRACTOR SHALL ARRANGE AND COORDINATE THE WORK, FURNISH NECESSARY OFFSETS, VALVES, VENTS AND FITTINGS TO AVOID CONFLICTS WITH OTHER MECHANICAL AND ELECTRICAL SERVICES AND WITH STRUCTURAL AND ARCHITECTURAL ELEMENTS.
 6. PLUMBING CONTRACTOR'S WORK SHALL INCLUDE ALL WORK AS INDICATED ON THESE DRAWINGS.
 7. ALL TEMPERO WATER PIPING SHALL MAINTAIN A MINIMUM TEMPERATURE OF 110°F. HOT WATER OF 140°F FOR DISHWASHER AND (3) COMP.SINKS.
 8. COORDINATE ALL PIPING ROUTING WITH WORK OF OTHER TRADES PRIOR TO INSTALLATION.
 9. VERIFY INVERT ELEVATIONS AND EXACT LOCATIONS OF SEWERS TO WHICH NEW SEWER LINES ARE TO BE CONNECTED BEFORE INSTALLATION.
 10. INSTALL ISOLATION VALVES AT EACH DOMESTIC WATER BRANCH TAKEOFF AND INSTALL UNION AT EACH PIECE OF EQUIPMENT; FIXTURE AND APPLIANCE SERVICE POINT CONNECTION. PER FBCP (6TH EDITION) SECTION 606.1 AND 606.2.
 11. INSTALL PRESSURE REDUCING VALVES ON BRANCH LINES SERVING FIXTURES AND/OR EQUIPMENT, WHEN WATER PRESSURE EXCEEDS 60 PSI.

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PROJECT NUMBER:
MTF17054

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PLUMBING SPECIFICATIONS
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 SCALE: AS SHOWN
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