ORDINANCE NO. 17,675

AN ORDINANCE AMENDING AN EXISTING SPECIAL USE ORDINANCE NO. 14,254 AS AMENDED, IN A CLASS C-2 (LARGE SCALE COMMERCIAL) DISTRICT FOR A SHOPPING CENTER TO ADD AN ACCESSORY SOLAR FACILITY FOR THE PROPERTIES LOCATED AT 9000 N LINDBERGH DR, 9025 N LINDBERGH DR, 9106 N LINDBERGH DR, 9118 N LINDBERGH DR, 9126 N LINDBERGH DR, 9128 N LINDBERGH DR, 1021 W BIRD BLVD, 1101 W BIRD BLVD, 1116 W BIRD BLVD, 1200 W BIRD BLVD, 8903 N HALE AVE, 8919 N HALE AVE, AND 9109 N KNOXVILLE AVE, (PARCEL IDENTIFICATION NOS. 14-05-201-016, 09-32-455-006, 09-32-455-003, 09-32-455-002, 14-05-202-017, 14-05-202-021, 14-05-201-004, 14-05-201-009, 14-05-201-005, 14-05-202-013, 09-32-451-019, 09-32-455-001, 09-32-455-005, 14-05-201-006, 14-05-201-007, 14-05-202-012, 14-05-202-019, 14-05-202-020, AND 14-05-251-008), PEORIA IL.

WHEREAS, the property herein described is now zoned in a Class C-2 (Large Scale Commercial) District; and

WHEREAS, said Planning & Zoning Commission has been petitioned to approve an amendment to the Special Use for an Accessory Solar Facility under the provisions of Section 2.9 of Appendix A, the Unified Development Code of the City of Peoria; and

WHEREAS said Planning & Zoning Commission held a public hearing on February 7, 2019, pursuant to a notice of the time and place thereof in a newspaper of general circulation in the City of Peoria, not less than fifteen (15) days nor more than thirty (30) days prior to said hearing as required by law; and

WHEREAS, said Planning & Zoning Commission has submitted its report of said hearing and the City Council finds that to permit such amendment to the special use will not adversely affect the character of the neighborhood, and will not unduly burden the public utility facilities in the neighborhood;

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF PEORIA, ILLINOIS, AS FOLLOWS:

<u>Section 1.</u> That an amendment to the Special Use for an Accessory Solar Facility is hereby approved for the following described property:

BEING A PART OF SOUTHEAST QUARTER OF SECTION 32, TOWNSHIP 10 NORTH, RANGE 8 EAST OF THE FOURTH PRINCIPAL MERIDIAN, PART OF THE NORTHEAST QUARTER OF SECTION 5, TOWNSHIP 9 NORTH, RANGE 8 EAST OF THE FOURTH PRINCIPAL MERIDIAN AND INCLUDING KNOXVILLE SQUARE SUBDIVISION; LOT ONE IN LINDBERGH SUBDIVISION SECTION ONE AND MANLEY SUBDIVISION SECTION ONE; ALL IN THE CITY OF PEORIA, COUNTY OF PEORIA, STATE OF ILLINOIS. BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

(BEARINGS ASSUMED FOR DESCRIPTION PURPOSES ONLY) BEGINNING AT THE NORTHWEST CORNER OF NORTHEAST QUARTER OF SAID SECTION 5, ALSO BEING THE SOUTHWEST CORNER OF THE SOUTHEAST QUARTER OF SAID SECTION 32; THENCE NORTH 89 DEGREES 40 MINUTES 18 SECONDS WEST 117.14 FEET ALONG THE NORTH LINE OF SAID SECTION 5ALSO BEING THE SOUTH LINE OF SAID SECTION 32 TO A POINT WHERE THE SOUTH LINE OF SAID SECTION 32 INTERSECTS WITH THE SOUTHERLY EXTENSION OF THE WEST LINE OFTHE TRACT RECORDED IN TRACT SURVEY 32 ON PAGE 10 IN THE PEORIA COUNTY RECORDER OF DEEDS OFFICE; THENCE NORTH ALONG SAID SOUTHERLY EXTENSION, NORTH 05 DEGREES 47 MINUTES 37 SECONDS WEST 422.42 FEET TO THE SOUTHWEST CORNER OF THE TRACT SHOWN IN SAID TRACT SURVEY 32 ON PAGE 10; THENCE SOUTH 89 DEGREES 29 MINUTES 20 SECONDS EAST 625.46 FEET ALONG THE SOUTH LINE OF SAID

TRACT AND THE EASTERLY EXTENSION THEREOF TO A POINT ON THE EAST RIGHT-OF-WAY LINE OF LINDBERGH DRIVE AND THE WEST LINE OF LOT 6 IN SAID KNOXVILLE SQUARE SUBDIVISION; THENCE NORTH 00 DEGREES 00 MINUTES 38 SECONDS EAST 92.53 FEET ALONG THE EAST RIGHT-OF-WAY LINE OF LINDBERGH DRIVE AND THE WEST LINE OF SAID LOT 6; THENCE NORTH 33 DEGREES 18 MINUTES 31 SECONDS EAST 33.75 FEET ALONG THE EAST RIGHT-OF-WAY LINE OF LINDBERGH DRIVE AND THE WEST LINE OF SAID LOT 6 TO A POINT ON THE SOUTH RIGHT-OF-WAY LINE OF SAID LINDBERGH DRIVE AND THE NORTH LINE OF SAID LOT 6 ALSO BEING THE NORTH LINE OF SAID KNOXVILLE SQUARE SUBDIVISION: THENCE SOUTH 88 DEGREES 16 MINUTES 46 SECONDS EAST 178.88 FEET ALONG SAID SOUTH RIGHT-OF-WAY LINE OF LINDBERGH DRIVE, THE NORTH LINE OF SAID LOT 6 AND THE NORTH LINE OF SAID KNOXVILLE SQUARE SUBDIVISION TO A POINT ON THE WEST RIGHTOF- WAY LINE OF ILLINOIS STATE ROUTE 40 ALSO KNOW AS NORTH KNOXVILLE AVENUE; (THE FOLLOWING 5 COURSES ARE ALONG THE WEST RIGHT-OF-WAY LINE OF ILLINOIS STATE ROUTE 40 ALSO KNOW AS NORTH KNOXVILLE AVENUE) THENCE SOUTH 24 DEGREES 51 MINUTES 04 SECONDS EAST 120.00 FEET: THENCE SOUTH 25 DEGREES 56 MINUTES 22 SECONDS EAST 470.98 FEET: THENCE SOUTH 24 DEGREES 50 MINUTES 00 SECONDS EAST 326.01 FEET: THENCE SOUTH 89 DEGREES 47 MINUTES 43 SECONDS EAST 30.84 FEET; THENCE SOUTH 24 DEGREES 54 MINUTES 38 SECONDS EAST 373.30 FEET TO A POINT ON THE NORTH RIGHT-OF-WAY LINE OF BIRD BOULEVARD ALSO BEING THE SOUTH LINE OF SAID KNOXVILLE SQUARE SUBDIVISION; (THE FOLLOWING FIVE COURSES ARE ALONG SAID NORTH RIGHT-OF-WAY LINE OF BIRD BOULEVARD ALSO BEING THE SOUTH LINE OF SAID KNOXVILLE SQUARE SUBDIVISION) THENCE SOUTH 65 DEGREES 04 MINUTES 40 SECONDS WEST 49.44 FEET TO A POINT OF CURVATURE: THENCE ALONG A CURVE TO THE RIGHT HAVING A RADIUS OF 140.00 FEET AND AN ARC LENGTH OF 72.71 FEET TO A POINT OF TANGENCY: THENCE NORTH 53 DEGREES 26 MINUTES 16 SECONDS WEST 87.95 FEET TO A POINT OF CURVATURE; THENCE ALONG A CURVE TO THE LEFT HAVING A RADIUS OF 200.00 FEET AND AN ARC LENGTH OF 127.84 FEET TO A POINT OF TANGENCY; THENCE SOUTH 89 DEGREES 56 MINUTES 31 SECONDS WEST 257.00 FEET; THENCE SOUTH 03 DEGREES 19 MINUTES 52 SECONDS WEST 50.09 FEET TO THE NORTHEAST CORNER OF LOT 1 IN SAID MANLEY SUBDIVISION SECTION ONE ALSO BEING A POINT ON THE WEST RIGHT-OF-WAY LINE OF NORTH HALE AVENUE; THENCE SOUTH 00 DEGREES 06 MINUTES 08 SECONDS WEST 806.65 FEET ALONG SAID WEST RIGHT-OF-WAY LINE OF NORTH HALE AVENUE TO THE SOUTHEAST CORNER OF PARCEL 2 AS DESCRIBED IN DOCUMENT NUMBER 2006-151541N THE PEORIA COUNTY RECORDER OF DEEDS OFFICE; THENCE NORTH 89 DEGREES 49 MINUTES 28 SECONDS WEST 300.00 FEET ALONG THE SOUTH LINE OF SAID PARCEL 2 TO THE SOUTHWEST CORNER THEREOF; THENCE NORTH 00 DEGREES 06 MINUTES 08 SECONDS EAST 207.30 FEET ALONG THE WEST LINE OF SAID PARCEL 2 TO THE SOUTHEAST CORNER OF A PARCEL DESCRIBED IN DOCUMENT NUMBER 1993-391061N THE PEORIA COUNTY RECORDER OF DEEDS OFFICE: THENCE NORTH 89 DEGREES 52 MINUTES 27 SECONDS WEST 145.75 FEET ALONG THE SOUTH LINE OF SAID PARCEL TO THE SOUTHWEST CORNER THEREOF; THENCE NORTH 05 DEGREES 59 MINUTES 40 SECONDS WEST 600.93 FEET ALONG THE WEST LINE OF SAID PARCEL TO THE NORTHWEST CORNER THEREOF, ALSO BEING A POINT AT THE INTERSECTION OF THE SOUTH RIGHT-OF-WAY LINE OF BIRD BOULEVARD AND THE WEST RIGHT-OF-WAY LINE OF BIRD BOULEVARD: THENCE NORTH 00 DEGREES 03 MINUTES 25 SECONDS WEST 50.00 FEET ALONG SAID WEST RIGHT-OF-WAY LINE TO A POINT ON THE SOUTH LINE OF A PARCEL DESCRIBED IN DOCUMENT NUMBER 2007-380351N THE PEORIA COUNTY RECORDER OF DEEDS OFFICE SAID POINT ALSO BEING ON THE NORTH RIGHT-OF-WAY LINE OF BIRD BOULEVARD; THENCE SOUTH 89 DEGREES 56 MINUTES 37 SECONDS WEST 102.08 FEET ALONG SAID SOUTH LINE TO THE SOUTHWEST CORNER OF SAID PARCEL: THENCE NORTH 06 DEGREES 52 MINUTES 59 SECONDS WEST 215.88 FEET ALONG THE WEST LINE OF SAID PARCEL TO A POINT ON THE SOUTH LINE OF LOT 1 IN LINDBERG SUBDIVISION SECTION ONE: THENCE NORTH 89 DEGREES 55 MINUTES 47 SECONDS WEST 46.05 FEET ALONG SAID SOUTH LINE TO THE SOUTHWEST CORNER OF SAID LOT 1; THENCE NORTH 00 DEGREES 06 MINUTES 14 SECONDS EAST 325.16 ALONG THE WEST LINE OF SAID LOT 1, TO THE POINT OF BEGINNING, CONTAINING 31.50 ACRES, MORE OR LESS, EXCEPTING THEREFROM THE 0.062 ACRE PARCEL OWNED BY THE GREATER METROPOLITAN AIRPORT AUTHORITY PER DOCUMENT NUMBER 08-06630 HAVING A TAX ID NUMBER OF 14-05-201-011.

PINS: 14-05-201-016, 09-32-455-006, 09-32-455-003, 09-32-455-002, 14-05-202-017, 14-05-202-021, 14-05-201-004, 14-05-201-009, 14-05-201-005, 14-05-202-013, 09-32-451-019, 09-32-455-001, 09-32-455-005, 14-05-201-006, 14-05-201-007, 14-05-202-012, 14-05-202-019, 14-05-202-020, AND 14-05-251-008

Said Ordinance is hereby approved per the submitted Site Plan Documents (Attachment A), and with the following condition and waivers:

- 1) Obtain the appropriate FAA permit.
- 2) Waiver of additional on-site storm water detention per engineering calculations supplied by the applicant.
- 3) Waiver of installing sidewalk on the south side of Bird Blvd and the west side of Hale Ave for security purposes.
- 4) Waiver to allow a six-foot tall fence along the frontage of Hale Ave.
- 5) Waiver to allow alternative landscaping for front yard along Have Ave.
- 6) Waiver to reduce the side yard setback from 20 feet to 15 feet for the solar facility.

<u>Section 2.</u> All provisions of Appendix A, the Unified Development Code of the City of Peoria, with respect to the Class C-2 (Large Scale Commercial) District shall remain applicable to the above-described premises, with exception to Special Use herein permitted.

<u>Section 3.</u> This Ordinance shall be in full force and effect from and after its passage and approval according to law.

PASSED BY THE CITY COUNCIL OF THE CITY OF PEORIA, ILLINOIS THIS

9th DAY April , 2019.

APPROVED

Mayor

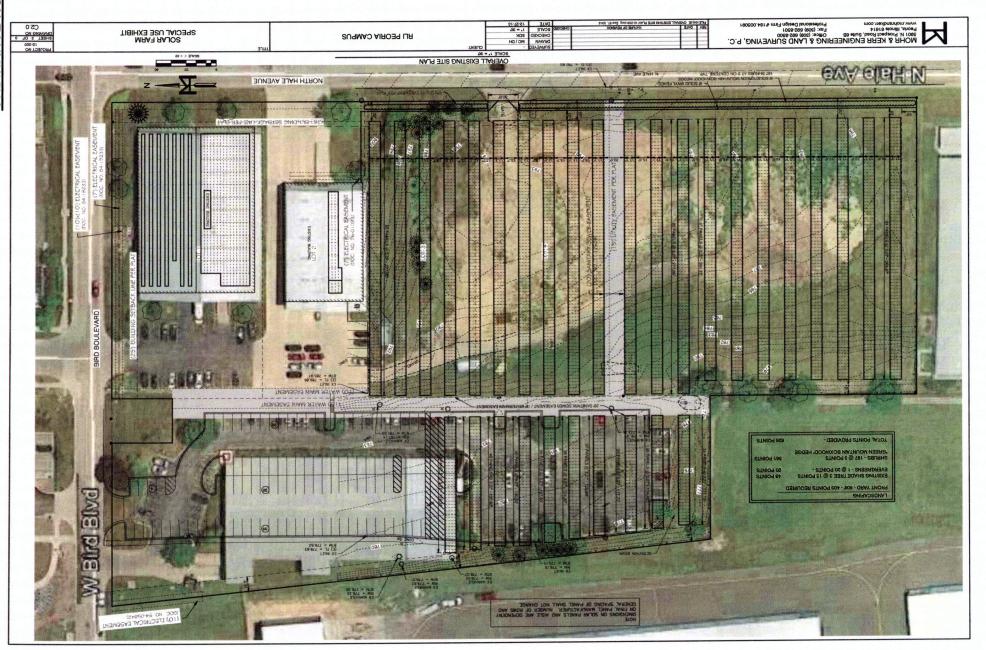
Chairman Pro Tem

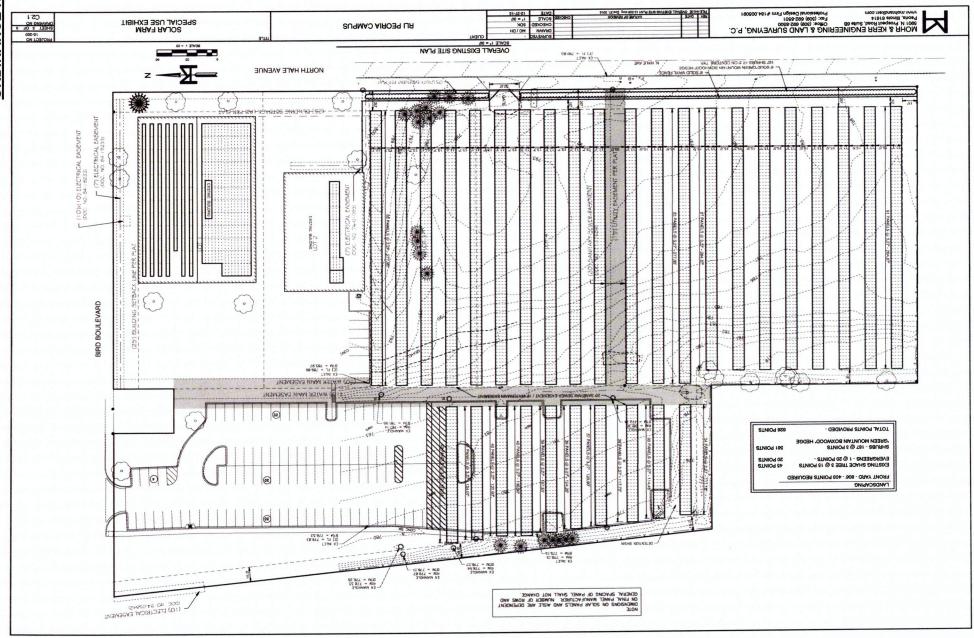
ATTEST:

City Clerk

EXAMINED AND APPROVED:

Corporation Counsel





- GENERAL NOTES:

 1. ALL CONSTRUCTION FOR UNIRAC'S "GROUND FIXED TILT" (GFT) RACKING SYSTEM AND FOUNDATION REQUIREMENTS SHALL CONFORM TO THE 2009, 2012, AND 2015
- AND FOUNDATION RECOMERSIENTS SHALL CONFEDER TO THE 2009, 21, AND 2019
 EIGHTON OF THE ITERNATIONAL BUILDING CODE (BIG).
 WHEREVER THE TERM CONTRACTOR IS USED IN THE CONSTRUCTION DOCUMENTS. IT
 SHALL BE DEFINED TO MEAN THE GENERAL CONTRACTOR AND ANY
 SUB-CONTRACTOR COLLECTIVELY AS APPLICABLE AND AS REQUIRED.

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- THE CONTRACT "STRUCTURAL RACKING" DRAWINGS REPRESENT THE FINISHED THE CONTRACT STRUCTURAL RACKING DYNAMINGS HERMESENT THE FINISHED STRUCTURE. THEY DO NOT BIOLATE THE MEANS, METHOD, OR SEQUENCE OF STRUCTURE. THEY DO NOT BIOLATE THE MEANS METHOD, OR SEQUENCE OF CONTRACTOR SHALL BE RESPONSIBLE FOR AND PROVIDE ALL MEASURES SECESSARY TO PROTECT THE RACKING SYSTEM FROM THE POINT OF MATERIAL DELIVERY THROUGH THE COMPLETION OF CONSTRUCTION, UNIRACA MO THE EMBRISHER OF RECORD WILL NOT BE RESPONSIBLE FOR THE CONTRACTORS. THE ENGINEER OF RECORD WILL NOT BE RESPONSIBLE FOR THE CONTRACTION MEANS, METHODS. TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION. UNITAC AND THE ENGINEER OF RECORD WILL NOT BE RESPONSIBLE FOR CONSTRUCTION SITE SAFETY. OR SAFETY PRECAUTIONS AND PROGRAMS INCIDENT HERETO.
- HERETO.

 4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSPECT AND ENSURE THAT ALL WORK IT IS IN CONFORMANCE WITH THE CONTRACT DOCUMENTS, ANY STRUCTURAL INSPECTIONIOBSERVATION PROVIDED BY OTHERS DOES NOT RELIEVE THE CONTRACTOR OF THIS RESPONSIBILITY.
- ANY DEVIATIONS FROM THE CONTRACT DOCUMENTS THAT ARE ENCOUNTERED AT A SATER DATE AND ARE DECLARED TO BE SIGNIFICANT BY THE RACKING DISTRIBUTOR
- LATER DATE AND ARE DECLARED TO BE SIGNEFLAWN BY THE PALAINS DISTINGUES.

 SHALL BE CORRECTED BY THE CONTRACTOR (AT THE CONTRACTOR'S EXPENSE).

 CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND COORDINATE SITE CONDITIONS.
 WITH THESE DRAWINGS PRIOR TO BIDDING OR THE START OF CONSTRUCTION, ANY
 CONFLICTS, DISCREPANCIES, OR OMISSIONS SHALL BE RESOLVED THROUGH YOUR. ACKING DISTRIBUTOR PRIOR TO PROCEEDING
- RACKING DISTRIBUTOR PRIOR TO PROCEEDING.

 7. D NOT SCALE OFFO THESE CHANINGS, WRITTEN DIMENSIONS SHALL BE USED OR WHERE NO DIMENSION IS PROVIDED, CONSULT WITH YOUR RACKING DISTRIBUTOR FOR CLARIFICATION BEFORE PROCEEDING WITH THE BID OR THE WORK.

 8. IT IT IT HE COUPMENT RESPONSIBILITY TO ENSURE THAT THE EQUIPMENT AND
- 8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENDURE HIRT HE ECOMPMENT YAM. INSTITUTION PROCESS (MEANS AND METHODS) ARE APPROPRIATE FOR THE FOUNDATIONS AND THAT THE PILES ARE INSTITUTION TO THE SPECIAL PORT RESPONSIBILE FOR DAMAGED ANDIOR OUT-OF-TOLERANCE PILES DUE TO MEROPER INSTITUTION EOUPPHENT AND METHODS.
 7. WHERE ANY DISCREPANCES OCUR BETWEEN PLANS, DETAILS, STRUCTURAL NOTES
- AND SPECIFICATIONS THE GREATER (MOST CONSERVATIVE) REQUIREMENTS SHALL GOVERN, WHERE NO SPECIFIC DETAIL IS SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT, OR IT THERE IS NO SIMILAR WORK, THEN CONSTRUCTION SHALL CONFORM TO INDUSTRY STANDARDS, CONTRACTOR MUST INFORM UNIRAC OF ANY DISCREPANCIES.

 10. REFER TO SITE PLAN. PILE LAYOUT DRAWING, ELECTRICAL DRAWINGS AND/OR
- REFER TO SITE PLAN, PILE LAYOUT DAWNING, ELECTIONAL DRAWNINGS ANDOWN OTHER CIVIL DRAWNINGS FOR SPECIFIC PLE, LOCATIONS, NORTH-SOUTH PILE SPACING, LOCATION AND DETAILS OF CURRS, INVESTERE/CUPMENT PADS. TRENCHING/CONDUIT LOCATIONS, JUNCTION BOXES, SITE WORK ITEMS, ETC. AND DIMENSIONS NOT SHOWN ON STRUCTURAL RACKING DRAWNINGS.
- 11. CONTRACTOR SHALL INVESTIGATE THE SITE DURING CLEARING AND EARTHWORK 11. CONTRACTOR SHALL INVESTIGATE THE SITE DURING CLEARING AND EARTH OPERATIONS FOR FILLED EXCAVATIONS OR BURIED STRUCTURES, SUCH AS CESSPOOLS, CISTERNS, FOUNDATIONS, ETC.
 12. ASTM SPECIFICATIONS ON THE DRAWINGS SHALL BE OF THE LATEST ASTM
- LA STANDARD SPECIFICATION.

 J. ANY EMBURSHING DESIGNS PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW SHALL BEAR THE SEAL OF A PROFESSIONAL CRILL OF STRUCTURAL ENGINEER REGISTERED IN THE STATE OF THE LOCAL JURISDICTION.

 14. THE FOLLOWING DESIGN CRITERIA IS EXCLUDED FROM THE RACKING AND FOUNDATION DESIGNS. FLOOD LOQUING, DESIGNS LOADING, OTWANIC ANALYSIS. ACTS
- FOUNDATION DESIGN: FLOOD LOADING, DEBIGS LOADING, D'YNAMIC ANALYSIS, A OF GOO (TORNADO, HURRICANE, WATER INJUNDATION LOADING, ETC.), EROSION, EXPANSIVE SOILS, FROST HEAVE, SOIL LIQUEFACTION, DYNAMIC LOADING FROM SEISMIC EVENTS AND CONDITIONS. IF REQUIRED, THESE SERVICES CAN BE PERFORMED AT AN ADDITIONAL EXPENSE TO, THE CLIENT.
- 15 DESIGN CRITERIA PER ASCE 7-05 OR ASCE 7-10. IGN CRITERIA PER ASCE 7-09 OR ASCE 7-10;
 DESIGN WIND SPECE 9 - AVRISES (SEE STATE SPECIFIC LETTER)
 GROUND SNOW (LOAD 9 - VARIES (SEE STATE SPECIFIC LETTER)
 ICE HICKNESS 9 - AVRISES (SEE STATE SPECIFIC LETTER)
 ICE LOAD WIND SPEED 9 - VARIES (SEE STATE SPECIFIC LETTER)
 SEISMIC 51 = AVARIES (SEE STATE SPECIFIC LETTER)
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 - SOIL SITE CLASS = D
 WIND EXPOSURE CATEGORY = B OR C (SEE LETTER)
- HURRICANE ZONE = SEE LETTER
 OCCUPANCY CATEGORY = SEE LETTER MINIMUM OF 20' OFFSET FROM NEAREST ADJACENT BUILDING (TO AVOID SNOW
- IMPORTANCE FACTORS BASED ON OCCUPANCY CATEGORY FOR CATEGORY II FOR CALIFORNIA.
- CALIFORNIA. *DESIGN WIND PRESSURES PER ASCE 7-05, SECTION 6.5.13, "WIND LOADS ON OPEN **DESIGN WIND PRESSURES PER ASSE 749, SECTION 3.3.13, "IMBOLISON OF SECTION BUILDINGS WITH MONOSLOPE, PITCHED OR TROUGHED ROOFS," AND SECTION 6.5.13.3, "COMPONENTS AND CLADDING" FOR MONOSLOPE FREE ROOFS OR ASSE 7-10, SECTION 27.4.3, "WIND LOAD ON OPEN BUILDING WITH MONOSLOPE, BITCHED OR TROUGHTED ROOFS," AND SECTION 30.8.2, "COMPONENTS AND CLADDING" FOR COLD FORMED STEEL:

 1. ALL COLD FORMED STRUCTURAL STEEL MEMBER CONSTRUCTION SHALL BE IN
 ACCORDANCE WITH AISI "SPECIFICATIONS FOR DESIGN OF COLD-FORMED STEEL MONOSLOPED PITCHED OR TROUGHED ROOFS.
- SOLAR REQUIREMENTS (FROM OWNER)
- 16. SOLAR REQUIREMENTS (FROM CYWERS)
 17. CORROSON PROTECTION REQUIREMENTS:
 COLD-FORMED STEEL MEMBERS = G.180 MINIMUM (ASTM A653)
 HARDWARE = STANLESS STEELDELTA PROTEKT
 18. ABOVE GRADE CORROSON PROTECTION WILL SUFFICE FOR MOST ENWIRKONMENTAL
 CONDITIONS. BELOW GRADE CORROSION PROTECTION WILL SUFFICE FOR MOST
 SOLS WITH RESISTANTY VALUES GREATER THAN 10.000 CHANCEM. IT IS THE
 OWNER'S RESPONSIBILITY TO DETERMINE E THE SOLS ARE MORE CORROSION PROT
 FURTHER CORROSION PROTECTION WILL BE REQUIRED.
 THE DGT FIELD OF MATERIAL (BOM) TOCK GIVES THE OPTION FOR IDEAL OR
- THE DBT BILL OF MATERIAL (BOM) TOUL GIVES THE OFT INT FOUR DEAL CAN OPHIMIZED TABLE DESIGN, IDEAL USES ONLY FULL LENGTH EAST-WEST ALUMINUM BEAUS TO COMPLETE A TABLE AND EXCESS MATERIAL CAN BE CUIT AND DISCARDED. OPTIMIZED TABLE DESIGNS UTILIZE LONGER BEAUS TO COMPLETE THE THIRD OR FOURTH EAST-WEST BEAM WITH AN ADDITIONAL SPLICE, REGARDLESS OF THE TABLE DESIGN USED IT IS THE CONTRACTOR'S RESPONSIBILITY TO SPICE EAST-WES
- BEAMS (AS REQUIRED) TO COMPLETE THE TABLE AND AVOID SPLICE CONFLICTS SPECIFIED IN DETAIL 502 ON SHEET SD-500
- SPECIAL INSPECTION:
 STRUCTURAL ONLY: SPECIAL INSPECTION IS TO BE PROVIDED FOR THE ITEMS LISTED
 BELOW IN ADDITION TO THE INSPECTIONS CONDUCTED BY THE BUILDING JURISDICTION BELOW IN ADDITION TO THE INSTRUCTIONS CORDUCTED BY THE OWNER OR THEIR AGENT SPECIAL STRUCTURAL INSPECTION'S HALL NOT RELIEVE THE OWNER OR THEIR AGENT FROM REQUESTING THE BUILDING JURISIOCTION INSPECTIONS REQUIRED.

 1. DRIVEN DEEP ELEMENTS, PERIODICALLY DURING THE PLACEMENT OF ALL DRIVEN DEEP FOUNDATION ELEMENTS ON STRUCTURAL DRAWINGS.
- - FOUNDATION ELEMENTS ON STRUCTURAL DRAWINGS.

 V. EVERICATION OF ELEMENT HATERIALS. SIZES AND LENGTHS.

 P. PERIODIC OBSERVATION AND DOCUMENTATION OF DRIVING OPERATIONS.

 PERIODIC DEFINED AS AT LEAST ONE VISIT ON EACH BOY OF WORK. A

 MINIMUM OF 10% OF PILE INSTALLATIONS SHALL BE INSPECTED.

- C. VERIFICATION OF PLACEMENT LOCATIONS AND PLUMBNESS, SIZE AND TYPE
 OF HAMMER, ELEVATION OF TIP AND BUTT, ANY DAMAGE TO FOUNDATION
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- ALUMINUM:

 1. ALL ALUMINUM EAST-WEST BEAM MEMBERS HAVE BEEN DESIGNED IN ACCORDANCE
- ALL, ALUMINUM EAST-WEST BEAM MEMBERS PAVE BEEN DESIGNED IN ACCORDAN WITH THE "ALUMINUM DESIGN MANUAL" BY THE ALUMINUM DESIGN ASSOCIATION, CURRENT ADDITION. 2. ALL ALUMINUM EAST-WEST BEAMS CONFORM TO ONE OF THE FOLLOWING:
- 2. ALL ALIMANUM EAST-WEST BEAMS CONFORM TO ONE OF THE FULL OWING.

 ALLOY: 605A T EMPER: TS (FM = 3 KS) F(y = 35 KS)

 ALLOY: 6051 T EMPER: TS (FM = 36 KS) F(y = 35 KS)

 ALL ALIMANUM EAST-WEST BEAMS HAVE A MILL FINISH.

 4. WELDING IS NOT REQUIRED ON PERMITTEE UNLESS SPECIFICALLY APPROVED BY
- INIBAC AND THE ENGINEER OF RECORD. EIELD CUTTING OF ALUMINUM MEMBERS IS PERMITTED WHEN REQUIRED TO ACCOMMODATE PROJECT SPECIFIC MODULE WIDTHS

- <u>DYMANE:</u>
 ALL 1.14°0 HARDWARE SHALL CONFORM TO 18/6 STAINLESS STEEL (AISI 300 SERIES STAINLESS, 304) OF ORMENSIONS PER ASME 818.2.1.
 ALL 114°0 SELF DRILLING SCREW HARDWARE SHALL CONFORM TO GRADE 5 SAE JA29
- AND ASTM: A449.

 ALL 5/8"Ø AND 3/4"Ø BOLTS SHALL CONFORM TO GRADE 2 SAE J429 OR ASTM A30;
- ENTRY AND 24TH SERRATED ELANGE NETTS SHALL CONFORM TO ASME B.18.16.4.
- 5. ALL 5/8"Ø AND 3/4"Ø WASHERS SHALL CONFORM TO USS TYPE A WIDE OR ANSI TYPE A WIDE
- 6. UNIRAC T-BOLTS, MID CLAMPS, AND END CLAMPS ARE PROPRIETARY. TECHNICAL DATA SHEETS WITH TESTED CAPACITIES CAN BE PROVIDED UPON REQUEST.

 CORROSION PROTECTION FOR HARDWARE CAN BE FOUND IN THE GENERAL NOTES.
- CORROSION PROTECTION FOR FINADWARE CAN BE FOUND IN THE GENERAL NOTES SECTION OF THIS DOCUMENT, NOTE 15. ALL HARDWARE RECEIVED ON SITE SHALL BE CHECKED BY CONTRACTOR AGAINST THE SPECIFICATIONS ON THIS SHEET SO-100, DIAMETERS AND LENGTHS CALLED OUT ON RACKING DETAILS SHEET SO-500, AS WELL AS THE PROJECT BILL OF MATERIAL. ANY CONFLICTS DISCREPANCIES OR OMISSIONS MUST BE RESOLVED WITH THE RACKING DISTRIBUTOR AS SOON AS POSSIBLE AND PRIOR TO PROCEEDING

TORQUE REQUIREMENTS FOR	THIS	SPECIFIC	PROJECT

1/4°Ø HARDWARE =	9 - 11 FT-LBS
5/8"Ø HARDWARE =	54 - 66 FT-LBS
3/4" Ø HARDWARE =	99 - 121 FT-LBS

INTRAC AND OR THE ENGINEER OF RECORD

4 GAGE (0.070" OR 70 MILS) 1 GAGE (0.120" OR 120 MILS) 3 GAGE (0.148" OR 148 MILS)

3 25 IN 2.0 M

4.1 IN 3 42 M

3 IN. 2 IN

6 IN. 4.5 IN

3,961 IN, 1,818 IN.

14 GAGE

9 GAGE

RACKING MEMBER

ALUMINUM SPLICE

DIAGONAL BRACE

C-PILE

TOP CHORD CHANNE

ALUMINUM BEAM

O

C

UNIRAC AND/OR THE ENGINEER OF RECORD.
6. FIELD CUTTING OF COLD-PORIES STEEL MEMBERS IS NOT REQUIRED OR PERMITTED UNLESS SPECIFICALLY APPROVED BY UNBRAC AND/OR THE ENGINEER OF RECORD.
7. ALL CALCULATED COLD-FORMED MEMBER PROPERTIES PER AISI SPECIFICATIONS ARE BASED ON THE FOLLOWING NIRMANUM THICKNESSES:

UNIRAC CUSTOM RACKING MEMBER SECTIONS

DEPTH | WIDTH | THICKNESS MIN. CORROSION PROTEC

AA-M12

G180

G180

063-0.125

800-0.110

14 GAGE

14 GAGE

11 GAGE

ELECTRICAL DESIGN:

I BRIPAC IS NOT THE ELECTRICAL ENGINEER OF RECORD AND IS NOT RESPONSIBLE ONRAC IS NOT THE ELECTRICAL ENGINEER OF RECORD AND IS NOT RESPON-FOR THE ELECTRICAL DESIGN FOR THIS PROJECT. THE UNIRAC GFT RACKING SYSTEM IS CERTIFIED TO UL-2703 WHEN PROPERLY INSTALLED. SEE THE GFT INSTALLATION GUIDE FOR MORE DETAIL.

CIVIL/GRADING/SITE WORK; LINIRAC IS NOT THE CIVIL ENGINEER OF RECORD FOR THIS PROJECT AND IS NOT RESPONSIBLE FOR ANY SITE, GRADING, OR EROSION CONTROL PLANS

MATERIAL MANAGEMENT:
PRIOR TO INSTALLATION, ALL MATERIALS MUST BE STORED PROPERLY, THIS MEANS PRIOR TO INSTALLATION, ALL MATERIALS MUST BE STORED PROPERLY. THIS MEANS MATERIALS REMAINING IN ONE PLACE FOR MORE THAN ONE WEEK MUST BE IN OPEN AIR CONDITIONS (I.E. UP AND ABOVE THE GROUND AND WATER TABLE), IF TARPS OR OTHER PROTECTIVE COVERS ARE USED, THEN ENDS SHALL BE LEFT OPEN FOR OTHER PROTECTIVE COVERS ARE USED, THEN TO AN ADDITIONAL PROTECTIVE COVERS ARE USED, THEN THE ADDITIONAL PROTECTIVE COVERS ARE USED, THEN THE ADDITIONAL PROTECTIVE COVERS ARE USED. THEN THE ADDITIONAL PROTECTIVE FLORE GROUND AND THE RESERVANCE OF THE BOTH OF THE ADDITIONAL PROTECTIVE FLORE GROUND AND TO LESSEN MOISTURE GAIN THAN DOR WAS TO MINIMIZE DEFORMATION AND TO LESSEN MOISTURE GAIN ALL ASPECTS OF WORK PERTAINING TO THE CONCRETE CONSTRUCTION SHALL BE NOT ACCORDANCE WITH ACT 318-36, "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" AND THE ALTEST EDITIONS FOR STRUCTURAL CONCRETE" AND THE ALTEST EDITIONS FOR STRUCTURAL CONCRETE" AND THE FOR BUILDINGS ACT 301, WITH MODIFICATIONS AS NOTED.

- FOUNDATION NOTES:

 1. THE FOLLOWING DESIGN CRITERIA IS EXCLUDED FROM DESIGN: FLOOD LOADING, DEBRIS LOADING, DYNAMIC ANALYSIS, ACTS OF GOD (TORNADO, HURRICANE, WA' INJUDATION LOADING, ETC.), EROSION, EXPANSIVE SOILS, FROST HEAVE, SOIL CONTROL SON DYNAMIC LOADING FROM SEISMIC EVENTS AND CONDITIONS
- SEE THE "COLD FORMED STEEL" SECTION FOR SESSION EVENTS OF COUNTRY UNITED STEEL AND GALVANIZATION REQUIREMENTS FOR FOUNDATIONS.
 UNITAGE SHALL NOT BE HELD LIABLE FOR ANY UTILITY LINES DAMAGED DURING UNITAGE SHALL NOT BE HELD LIABLE FOR ANY UTILITY LINES DAMAGED DURING.
- FOUNDATION INSTALLATION, IT SHALL BE THE RESPONSIBILITIES OF OTHERS TO DETERMINE THE PLACEMENT OF EXISTING AND NEW UTILITY LINES.
- PILES ARE DESIGNED TO SOIL CONDITIONS STATED IN IBC 2012. IT IS THE CLIENTS RESPONSIBILITY TO VERIEY SOLES MEET THE MINIMUM REQUIREMENTS. UNIFAC AND OR THE ENGINEER OF RECORD WILL NOT BE HELD RESPONSIBLE FOR FOUNDATIONS INSTALLED IN SOES WITH LOWER CAPACITY OR FOR IMPROPER FOUNDATION INSTALLATION OR CHOICE

NOTE: SEE GFT INSTALLATION GUIDE FOR SYSTEM ADJUSTMENTS AND TOLERANCES





- DRIVEN STEEL PILE NOTES:

 1. STEEL PILES HAVE BEEN DESIGNED IN ACCORDANCE WITH THE DESIGN CRITERIA STATED IN THE GENERAL NOTES.
- PRIES SHALL BE INSTALLED SO THAT PILE TOLERANCES ARE MET (SEE UNIRAC GFT ABLATION IS DEFINED AS DISTORTION SO THAT THE RACKING CANNOT CONNECT
- 3. FOUNDATIONS MUST NOT BE INSTALLED IN ORGANIC SOILS OR IN AREAS WITH GROUND WATER NEAR THE SURFACE
- ACCORDANCE WITH AISI "SPECIFICATIONS FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" CURRENT EDITION.

 2. ALL COLD-FORMED STRUCTURAL MEMBERS SHALL BE PER ICC-ER-489.P.

 3. ALL COLD-FORMED STEEL CONFORMS TO ONE OF THE FOLLOWING:

 A653 HSAS 55 (6 / 9 = 50 KSI, Fu = 60 KSI)

 4. ALL COLD-FORMED STEEL MEMBERS THAT ARE 10 AGE OR HIGHER ARE GALVANIZED TO GROW MINIMAM. ALL COLD-FORMED STEEL MEMBERS THAT ARE 10 AGE OR HIGHER ARE GALVANIZED TO GROW MINIMAM. ALL COLD FORMED STEEL MEMBERS THAT ARE LONER THAN 10 GAGE WILL BE G373 MEMBRUM FER ASTM ABSS 3MOST RECENT EDITION.

 5. WELDING IS NOT REQUIRED OF PERMITTED UNLESS SPECIFICALLY APPROVED BY GROUND WATER NEAR THE SURFACE.
 4. IT IS THE OWNER OR CONTRACTORS RESPONSIBILITY TO DETERMINE WHICH FROST ZONE THER PROJECT IS LOCATED IN.
 5. IF PILE REFUSAL IS ENCOUNTERED, AN ALTERNATE FOUNDATION DESIGN ON SHEET SP-400 SHALL BE LITTE IZED
 - DRAINAGE SHALL BE DIRECTED AWAY FROM PILES, PILES SHALL NOT BE PLACED IN 6. DRAININGS SHALL BE URREGIED AWAY FROM PILES, PILES SHALL BY DE PLANCES WALES, DRAININGS AREAS OR WHERE WATER MAY BE ALLOWED TO FLOW OR STAND. ALL POSSIBLE EFFORTS SHALL BE MADE TO PREVENT WATER FROM FLOWING OR PONDING AROUND OR NEAR TO THE PILES.
 7. PILES MAY NOT BE PAINTED PRIOR TO INSTALLATION OF THE RACKING SYSTEM.
 - AFTER INSTALLATION OF THE COMPLETE RACKING SYSTEM, PILES MAY BE PAINTED AT THE CONTRACTORS/CLIENTS DISCRETION, NO ADJUSTMENTS MAY BE MADE AFTER THE PILES HAVE BEEN PAINTED.

 8, PILES DRIVEN TOO SHALLOW OR TOO DEEP WILL NEED TO BE ALTERED AT THE
 - CONTRACTORS EXPENSE, UNIRAC HAS PROVIDED TOLERANCES IN THE GF INSTALLATION GUIDE THAT SHALL BE FOLLOWED.
 - INSTALLATION GUIDE THAT SHALL BE FOLLOWED.

 IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE MEANS AND METHODS FOR DRIVING PILES. IN ORDER TO MATCH THE PILE INSTALLATION METHOD UTILIZED DURING ONSITE PILE TESTING. THE CONTRACTOR MUST INSTALL PILES UTILIZING A DIFF CONTRACT OR MUST INSTALL PILES UTILIZING A

 - PILE DRINNE RIG WITH A PERCUSSION HAMMER.

 10. THE RACKING DISTRIBUTOR SHALL NOT BE HELD RESPONSIBLE FOR DAMAGE TO THE PILE A FTER IT ARRIVES TO THE SITE OR THE POINT OF AGREED DROP OFF. IT IS FDAMAGE COCCURS WHERE GALVANIZATION IS REMOVED FROM THE PILE. THE PILE SHALL BE TOUCHED UP WITH GALVANIZATION OF EQUAL THICKNESS PRIOR TO INSTALLATION AT THE CONTRACTIONS EXPENSE.

- 12.IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT VIBRATIONS FROM DRIVING EQUIPMENT AND PILE INSTALLATION DO NOT AFFECT ANY ADJACENT PROPERTY STRUCTURES, THE CONTRACTOR SHALL BE HELD LIABLE FOR DAMAGE
- PROPERTY STROUGHES. THE CONTRACTOR SPALL BE RELECTIONED FOR DAMAGE.

 TO THE ADJACENT PROPERTY IF DAMAGE OCCURS.

 13. ANY EXCAVATIONS NEAR THE PILE SHALL NOT BE NADE CLOSER THAN 3 FEET FROM PILE FACE OR DEEPER THAN 3 FEET FROM GRADE. THESE EXCAVATIONS SHALL BE TEMPORARY AND SHALL BE COMPACTED PER THE ENGINEER OF RECORDS DECOMMENDATIONS IS EXCAVATIONS EXCEED THESE DIMENSIONAL RECOMMENDATIONS. IF EXCAVATIONS EXCRED THESE DIMENSIONAL REQUIREMENTS FOR FROST HEAVE OR OTHER REASONS. THE CONTRACTOR SHALL NOTIFY UNIRAC, THE ENGINEER OF RECORD SHALL BE INFORMED OF ANY EXCAVATION AND COMPACTION EFFORTS ON THE SITE. 14.PILES MAY NOT BE ALTERED IN ANY WAY WITHOUT UNIRAC WRITTEN APPROVAL.
- PILES HAVE BEEN DESIGNED FOR STATIC LOADING. ABOVE GRADE PILES HAVE BEEN

QUALITY ASSURANCE AND SPECIAL INSPECTION:

1. TESTING LABORATORY: RETAINED BY OWNER AND SATISFACTORY TO ENGINEER OF TESTING LABORATORS: RETAINED BY DWINER AND SATISFACT DATE TO ENGINEER.

RECORD, ITHEROUGH UNIFRO, AND GOVERNING CODE AUTHORITY TO PERFORM

REQUIRED TESTS AND INSPECTIONS OF THIS CONTRACT AND APPLICABLE CODE.

THE TYPE AND FREQUENCY OF SPECIAL INSPECTION, STRUCTURAL TESTING AND

SUBSEQUENT REPORTING SHALL CONFORM TO THE REQUIREMENTS OF THE 2009

ON THE PROJECT DRAWINGS AND/OR SPECIFICATIONS

- HOT WEATHER CONCRETING SHALL CONFORM TO ACI 305, "HOT WEATHER
- 3. COLD WEATHER CONCRETING SHALL CONFORM TO ACI 306, "COLD WEATHER CONCRETING"
- 4 ALL MIX DESIGNS SHALL BE DESIGNED BY A QUALIFIED TESTING LABORATORY AND ALL MIX DESIGNS SHALL BE DESIGNED BY A DOLAR THEO LESSING LABOORTHOOT NOT SHALL BE WET STAMPED BY A CIVIL ENGINEER LICENSED IN THE JURISDICTION OF THE PROJECT, BASE DESIGN MIX BASED ON FIELD EXPERIENCE OR TRIAL MIXTURES AS STIPULATED IN IBC SECTION 1905.3. TYPE II PORTLAND CEMENT SHALL BE USED AT ALL CONCRETE ALTERNATE
- COUNTRATION LOCATIONS FOR THE PACKING SYSTEM, WHERE CONCRETE IS FOUNDATION LOCATIONS FOR THE RACKING SYSTEM - WHERE COMPARE: IS REQUIRED AS AN ALTERNATE SOLUTION, (TYPE V CEMENT SHALL BE USED WHERE THE CONCRETE IS IN CONTACT WITH SOL. CONTAINING SULFATES IN EXCESS OF 3000 PPM. CONCRETE THAT WILL BE EXPOSED TO SULFATE-CONTAINING SOLUTION SHALL COMPLY WITH BIC SECTION 1904.3 AND ACI 318-05 TABLE 4.3.1 SEVERE AND VERY SEVERE SUIT FATE EXPOSURES AS IDENTIFIED IN THE PROJECT
- VERY SEVERE SUDFATE EXPOSURES AS IDENTIFIED IN THE PROSECT GEOTECHNICAL REPORT, THE WATER CEMENT RATIO SHALL NOT EXCEED 0.44.) 6. IN THE PRESENCE OF REACTIVE AGGREGATE, CLASS F FLY ASH OR OTHER ASI'S MITHGATING ADMINITURE SHALL BE INCORPORATED IN THE MIX SUCH THAT THE EXPANSION PRODUCED BY THE MORTAR-BAR METHOD (ASTM C1567) USING EXPANSION PRODUCED BY THE MORT AR-BAK ME HOU (AS IM C1997) (JORNO SILENDED AGGREGATES IS ISS THAN 0.1% AT 1 DAYS BIMBERSED IN SOLUTION, WHERE CLASS FLY ASH IS SELECTED AS A SUPPLEIBENTAL ADMIXTURE. THE LOSS OF IGNITION SHALL BELIMITED TO 2½. THE CONTRACTOR SHALL SUBMIT ALL S
- CONTAIN A CHLORIDE CONTENT LESS THAN 1000 PPM AS C1. DO NOT USE CONCRETE CONTAINING A LIKALI-CARBONATE AND BICCHARBONATES PRESENT IN AGGREGATE IN EXCESS OF 1000 PPM. LESTS FOR THEIR EFFECT ON SETTING TIME AND 28 DAY STRENGTH SHALL BE EVALUATED.
- HARD ROCK CONCRETE AGGREGATE SHALL CONFORM TO ALL REQUIREMENTS AND TESTS OF THE ASTM C33 CLASS DESIGNATION 35 AND PROJECT SPECIFICATIONS EXCEPTIONS MAY BE USED ONLY WITH APPROVAL OF THE STRUCTURAL REMONEET PROVIDE CONCRETE MIX DESIGN WITH PROVEN SHRINKAGE CHARACTERISTICS OF LESS THAN 0.0005 INCHES/INCH.
- MAXIMUM SIZED AGGREGATE OF 0.75°
- 9. MICHARDON SIZED MODREGISTED V. 17.9.

 10. SILMIP RANGE OF 3" 1" PER ASTM C143.

 11. CONCRETE PLACEMENT SHALL BE IN ACCORDANCE WITH ACI STANDARD 304 AND PROJECT SPECIFICATIONS.

 12. THE UNIRAC PILE SHALL BE CENTERED IN THE HOLE TO MAXIMIZE CONCRETE
- COVER AND THE HOLE SHALL BE CENTERED IN THE SPECIFIED LOCATION TO ALLOW
- COVER AND THE HOLE SHALL BE CENTERED BY THE SPECIFIED LOCATION TO FALLOW FOR RACKING INSTALLABILITY.

 13. THE TOP OF THE CONCRETE SHALL BE SMOOTHED AND SLOPED AT 2% TO FACILITATE POSITIVE DRAINAGE AWAY FROM THE UNITAC PILE.

 14. CONCRETE CHLORIDE PERMEABILITY SHALL BE CLASSIFIED AS HAVING "NEGLIGIBLE" TO "VERY LOW" CHLORIDE ION PERMEABILITY PER ASTM C1202.
- TO "VENT LOW" CHICKRIDE FON PERMICABILITY PER AS IM UT-202.

 15. CONCRETE SHOULD BE PLACED IN A CONTINUOUS FLOW WITHOUT SEGREGATING THE CONCRETE DO NOT ALLOW CONCRETE TO FREE FALL MORE THAN 5 FEET UNLESS MEASURES ARE TAKEN TO ENSURE THAT CONCRETE DOES NOT HIT THE SIDES OF THE EXCAVATION DURING FREE FALL.
- SIDES OF THE EXCAVATION DURING FREE FALL.

 I.A. MECHANICALLY VIBRATE THE CONCRETE A FEACH PIER.

 17. PRECAUTIONS SHOULD BE TAKEN DURING THE INSTALLATION OF PIERS TO MINIMIZE
 THE POSSIBILITY OF CAVING, PIER EXCAVATIONS SHOULD BE FILLED WITH
 CONCRETE AS SOON AFTER CRILLING AND INSPECTION AS POSSIBLE. SONDTUBES
 (OR EQUINALENT) CAN BE UTILIZED. AS RECUMEDED, ONLY IN THE UPPER 2 FT. OF THE ALIGERED/DRILLED HOLE
- AUGENED/DRILLED HOLE.

 18. CONCRETE MIXING OPERATION SHALL CONFORM TO ASTM C-94.

 19. AGGREGATE FOR HARDROCK CONCRETE SHALL CONFORM TO ALL REQUIREMENTS AND TESTS OF THE ASTM C-33 AND PROJECT SPECIFICATIONS, EXCEPTIONS MAY BE USED ONLY WITH THE PERMISSION OF THE ENGINEER OF RECORD
- 20. THE MAXIMUM DENSITY OF CONCRETE SHALL BE 150 PCF. THE 28 DAY STRENGTH OF CONCRETE SHALL BE 4000 PSI WITH A MAXIMUM WATER-CEMENT RATIO OF 0.40.

SHEET INDEX							
SHEET NUMBER	SHEET TITLE						
SD - 100	GENERAL STRUCTURAL RACKING NOTES						
SC - 200	RACKING DIMENSIONS & PARTS LIST - 20 DEGREE TILT						
SD - 300	RACKING DIMENSIONS & PARTS LIST - 30 DEGREE TILT						
SG - 400	FOUNDATION EMBEDMENT AND FOUNDATION DETAILS						
	Date of the Control o						



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> DRAWINGS FIXED RACKING DC GROUND DISTRIBUTION STRUCTURAL

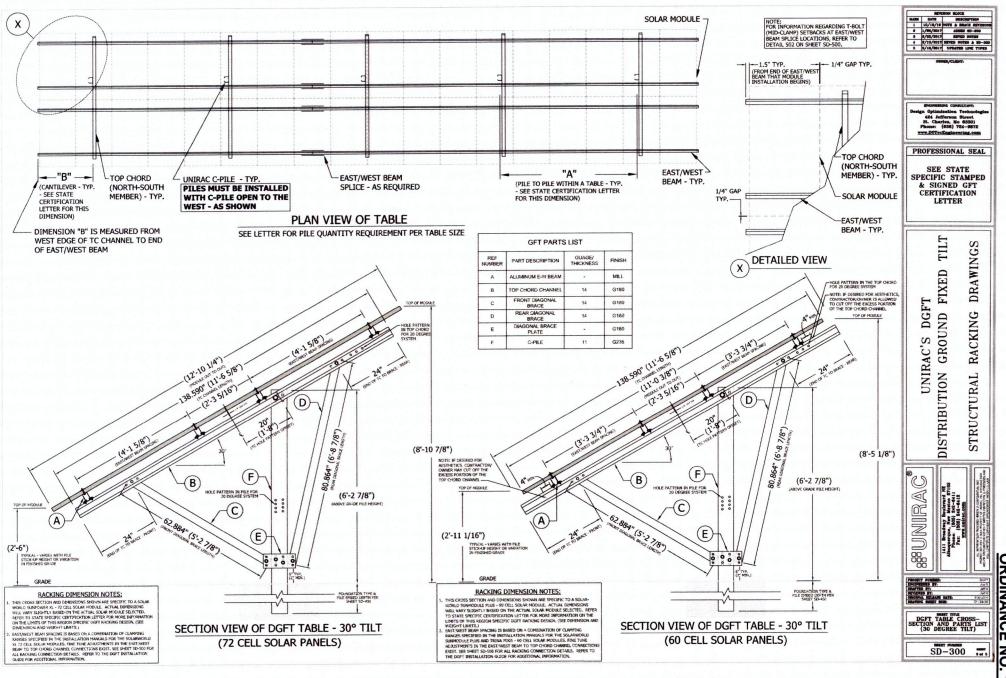
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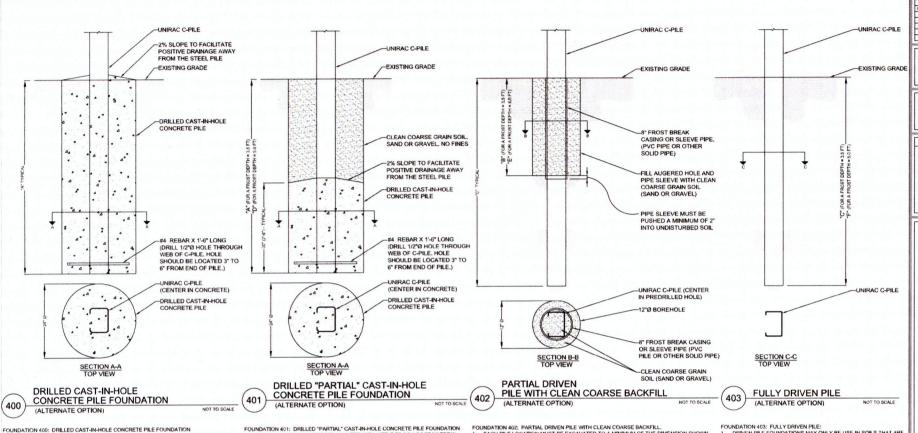
STRUCTURAL RACKING

SD-100

Ш NO 17,675



ORDINANCE NO. 17,675



THE FOUNDATION MUST BE EXCAVATED WITH LITTLE TO NO LOOSE MATERIAL IN THE

IE THE FOUNDATION IS BELOW THE GROUND WATER LEVEL. THERE MUST BE A

TEMPORARY CASING IN PLACE TO STABILIZE THE EXCAVATION.
THE PILE SHALL HAVE A #4 REBAR PLACED THROUGH THE BOTTOM OF THE PILE

THE PILE MUST BE CENTERED IN THE HOLE WITH EQUAL AMOUNTS OF CONCRETE

AROUND THE CASING.
CONCRETE SHALL CONFORM TO THE CONCRETE SPECIFICATIONS LISTED ON DR-100.
CONCRETE DEPTH SHALL CONFIRM TO THE DEPTHS LISTED IN THE TABLE ON THIS

SHEET.
THE TOP OF THE CONCRETE MUST BE ABOVE GARDE.
THE CORE OF THE CONCRETE CAST-IN-DRILLED HOLE PILE WILL CONSIST OF THE UNIRAC C- PILES AS DEPICTED IN THE FIGURE.

THE FOUNDATION MUST BE EXCAVATED WITH LITTLE TO NO LOOSE MATERIAL IN THE BOTTOM.

IF THE FOUNDATION IS BELOW THE GROUND WATER LEVEL, THERE MUST BE A

TEMPORARY CASING IN PLACE TO STARILIZE THE EXCAVATION.

THE PILE SHALL HAVE A #4 REBAR PLACED THROUGH THE BOTTOM OF THE

THE PILE MUST BE CENTERED IN THE HOLE WITH EQUAL AMOUNTS OF

CONCRETE AROUND THE CASING.
CONCRETE SHALL CONFORM TO THE CONCRETE SPECIFICATIONS LISTED ON

CONCRETE DEPTH SHALL CONFIRM TO THE DEPTHS LISTED IN THE TABLE ON

THE TOP OF THE CONCRETE MUST BE BELOW THE DEPTH OF THE FROST ZONE.

THE CORE OF THE CONCRETE CAST-IN-DRILLED HOLE PILE WILL CONSIST OF THE UNIRAC C. PILES AS DEPICTED IN THE FIGURE.
THE BACKFILL MATERIAL MUST CONSIST OF MEDIUM TO COARSE SAND OR GRAVEL. NO CLAY OR ORGANICS MAY BE USED IN THE BACKFILL.

EACH PILE LOCATION MUST BE EXCAVATED TO A MINIMUM OF THE DIMENSION SHOWN.
THE PILE MUST BE CENTERED IN THE HOLE WITH THE FROST BREAK CASING PLACED. AROUND THE PILE PRIOR TO BACKFILLING THE EXCAVATION.

AROUND THE PIECE PRIOR TO BACKPILLING THE EACAVATION.
THE FROST BREAK CASING MUST NOT HAVE ANY CRACKS OR HOLES THAT MAY ALLOW
WATER TO SEEP IN. THE CASING MUST BE SET A MINIMUM OF 2 INCHES INTO THE NATIVE SOIL IN THE BOTTOM OF THE EXCAVATION. THE CASING TOP MUST EXTEND TO

THE GROUND SURFACE.

THE FILL MATERIAL MUST CONSIST OF MEDIUM TO COARSE SAND OR GRAVEL WITH

LITTLE SILT CONTENT. NO CLAY OR ORGANICS MAY BE USED IN THE BACKFILL

NATERIAL.
THE PILE MUST BE INSTALLED TO THE FULL DEPTH INDICATED, PILES NOT DRIVEN TO
THE FULL DEPTH ARE CONSIDERED FAILED AND THE CONCRETE OPTION MUST BE

THE CASING MUST BE FILLED WITH THE SAME FILL MATERIAL AFTER THE PILE IS INSTALLED TO THE CORRECT DEPTH.

THE FILL SHALL BE FORMED IN A WAY TO DIRECT WATER AWAY FROM THE

IF THE CASING IS AFFECTED BY FROST HEAVE, THE CASING SHALL BE ATTEMPTED TO BE RE-EMBEDED TO THE PROPER DEPTH IN ORDER TO PROTECT THE C-PILE FROM FUTURE FROST HEAVE.

DRIVEN PILE FOUNDATIONS MAY ONLY BE USE IN SOILS THAT ARE NOT FROST SUSCEPTIBLE OR WHERE GROUND WATER IS NOT WITHIN 12 FEET OF THE SURFACE UNLESS APPROVED BY A GEOTECHNICAL ENGINEER FROST SUSCEPTIBLE SOILS CONSIST OF ANY SOIL THAT IS NOT MEDIUM TO COARSE GRAIN SAND OR GRAVEL. DRIVEN PILE FOUNDATIONS ABSOLUTELY MAY NOT BE USED IN SOILS THAT CONTAIN SILT OR CLAY OR GROUNDWATER WITHIN 12 FEET OF THE SURFACE UNLESS APPROVED BY A

GEOTECHNICAL ENGINEER. PILES MUST BE INSTALLED TO THE FULL DEPTH PILES NOT DRIVEN TO FULL DEPTH ARE CONSIDERED FAILED PILES AND A DIFFERENT FOUNDATION MUST BE UTILIZED.

GROUND FIXED DGFT UNIRAC'S

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FOUNDATION EMBEDMENT AND FOUNDATION DETAILS

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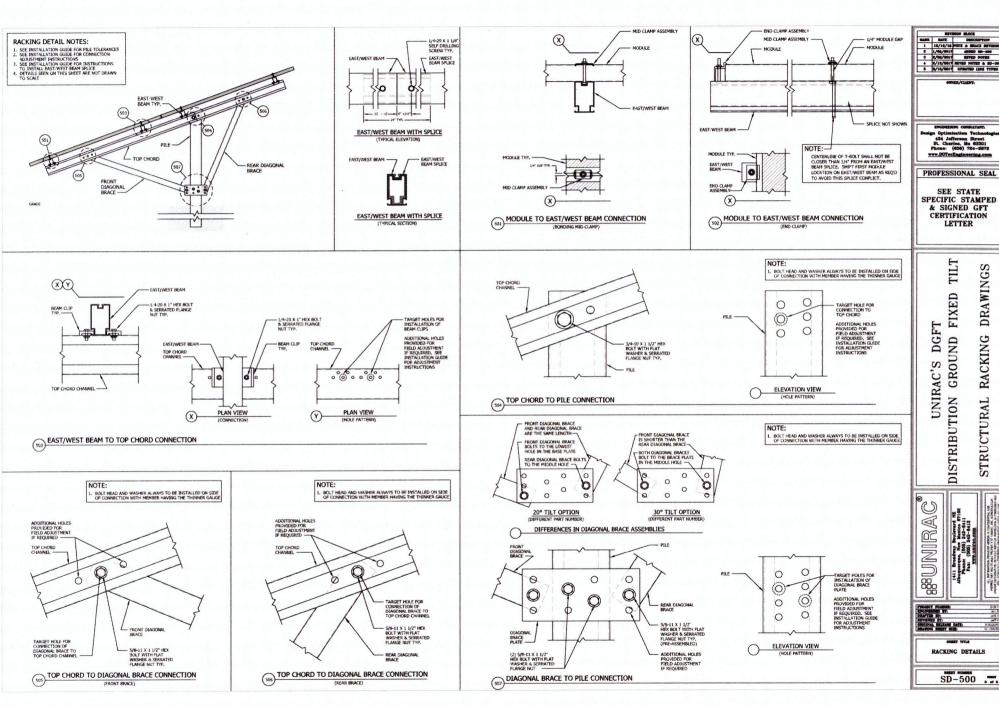
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17,675

30 DEGREE UNIRAC STEEL C-PILE FOUNDATION DEPTHS 20 DEGREE UNIRAC STEEL C-PILE FOUNDATION DEPTHS

	DETAIL NUMBER	FROST DEPTH = 3.5 FT OR LESS			FROST DEPTH = 5.0 FT				DETAIL	FROST DEPTH = 3.5 FT OR LESS			FROST DEPTH = 5.0 FT		
FOUNDATION TYPE		DIMENSION "A"	DIMENSION "B"	DIMENSION "C"	DIMENSION "D"	DIMENSION "E"	DIMENSION	FOUNDATION TYPE	NUMBER	DIMENSION "A"	DIMENSION "8"	DIMENSION "C"	DIMENSION "D"	DIMENSION "E"	DIMENSI "F"
CONCRETE	400	8-9"			8-0			FULL CAST IN-PLACE CONCRETE	400	6-0.			8-8"		
CAST IN-PLACE CONCRETE	401	\$4"			8.6.			CAST IN-PLACE CONCRETE	401	6-0-			7.6"		
ARTHAL DRIVEN PILE WITH FROST BREAK	402		5-6	16€		947		PARTIAL DRIVEN PILE WITH FROST BREAK	402		3'-6"	8-6"		5'-0"	
AND DRIVEN PILE	403			16'€"			10'-6"	FULLY ORIVEN PILE	463			8.6"			8-6"

NOTE: FOR PILE QUANTITY BASED ON TABLE SIZE, SEE TABLES ON THE STATE SPECIFIC CERTIFICATION LETTER. ALSO FOR PILE EMBEDMENT DEPTH AND TOTAL PILE LENGTH, SEE TABLES ON STATE SPECIFIC CERTIFICATION LETTER.



CERTIFICATION LETTER TILT DRAWINGS FIXED GROUND RACKING DISTRIBUTION STRUCTURAL

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RACKING DETAILS

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