HISTORIC AND DESIGN REVIEW COMMISSION

March 02, 2018

HDRC CASE NO:	**2018-098**
ADDRESS:	7227 BRIAR PLACE
LEGAL DESCRIPTION:	NCB 10026 BLK LOT A
ZONING:	MF-33
CITY COUNCIL DIST.:	3
APPLICANT:	Cullen Coltrane/CFZ Group
OWNER:	City of San Antonio
TYPE OF WORK:	Installation of shade structure
APPLICATION RECEIVED:	February 21, 2018
60-DAY REVIEW:	April 22, 2018

REQUEST:

The applicant is requesting a Certificate of Appropriateness for approval to construct a canopy structure over the existing basketball court at Harlandale Park. In additional to the canopy structure, the applicant has also proposed to install a drinking fountain and bicycle storage rack.

APPLICABLE CITATIONS:

Sec. 35-640. - Public Property and Rights-of-Way.

(a) Public Property. Generally, the historic and design review commission will consider applications for actions affecting the exterior of public properties except in the case of building interiors that are the sites of major public assemblies or public lobbies. The historic and design review commission will also consider applications for actions affecting public properties such as city parks, open spaces, plazas, parking lots, signs and appurtenances.
(b) Public Rights-of-Way. Generally, the historic and design review commission will consider applications for actions affecting public rights-of-way whose construction or reconstruction exceeds in quality of design or materials standards of the design manual of the public works department.

Sec. 35-641. - Design Considerations for Historic and Design Review Commission Recommendations.

In reviewing an application, the historic and design review commission shall be aware of the importance of attempting to find a way to meet the current needs of the City of San Antonio, lessee or licensee of public property. The historic and design review commission shall also recognize the importance of recommending approval of plans that will be reasonable to implement. The best urban design standards possible can and should be employed with public property including buildings and facilities, parks and open spaces, and the public right-of-way. Design and construction on public property should employ such standards because the use of public monies for design and construction is a public trust. Public commitment to quality design should encourage better design by the private sector. Finally, using such design standards for public property improves the identity and the quality of life of the surrounding neighborhoods.

Sec. 35-642. - New Construction of Buildings and Facilities.

In considering whether to recommend approval or disapproval of a certificate, the historic and design review commission shall be guided by the following design considerations. These are not intended to restrict imagination, innovation or variety, but rather to assist in focusing on design principles, which can result in creative solutions that will enhance the city and its neighborhoods. Good and original design solutions that meet the individual requirements of a specific site or neighborhood are encouraged and welcomed.

(a) Site and Setting.
(1) Building sites should be planned to take into consideration existing natural climatic and topographical features. The intrusive leveling of the site should be avoided. Climatic factors such as sun, wind, and temperature should become an integral part of the design to encourage design of site-specific facilities which reinforces the individual identity of a neighborhood and promotes energy efficient facilities.

(2) Special consideration should be given to maintain existing urban design characteristics, such as setbacks, building heights, streetscapes, pedestrian movement, and traffic flow. Building placement should enhance or create focal points and views. Continuity of scale and orientation shall be emphasized.
(3) Accessibility from streets should be designed to accommodate safe pedestrian movement as well as vehicular traffic. Where possible, parking areas should be screened from view from the public right-of-way by attractive fences, berms, plantings or other means.
(4) Historically significant aspects of the site shall be identified and if possible incorporated into the site design. Historic relationships between buildings, such as plazas or open spaces, boulevards or axial relationships should be maintained.

(b) Building Design.
(1) Buildings for the public should maintain the highest quality standards of design integrity. They should elicit a pride of ownership for all citizens. Public buildings should reflect the unique and diverse character of San Antonio and should be responsive to the time and place in which they were constructed.
(2) Buildings shall be in scale with their adjoining surroundings and shall be in harmonious conformance to the identifying quality and characteristics of the neighborhood. They shall be compatible in design, style and materials. Reproductions of styles and designs from a different time period are not encouraged, consistent with the secretary of the interior's standards. Major horizontal and vertical elements in adjoining sites should be respected.
(3) Materials shall be suitable to the type of building and design in which they are used. They shall be durable and easily maintained. Materials and designs at pedestrian level shall be at human scale, that is they shall be designed to be understood and appreciated by someone on foot. Materials should be selected that respect the historic character of the surrounding area in texture, size and color.
(4) Building components such as doors, windows, overhangs, awnings, roof shapes and decorative elements shall all be designed to contribute to the proportions and scale of their surrounding context. Established mass/void relationships shall be maintained. Patterns and rhythms in the streetscape shall be continued.
(5) Colors shall be harmonious with the surrounding environment, but should not be dull. Choice of color should reflect the local and regional character. Nearby historic colors shall be respected.
(6) Mechanical equipment or other utility hardware should be screened from public view with materials compatible with the building design. Where possible, rooftop mechanical equipment should be screened, even from above. Where feasible, overhead utilities should also be underground or attractively screened. Exterior lighting shall be an integral part of the design. Interior lighting shall be controlled so that the spillover lighting onto public walkways is not annoying to pedestrians.
(7) Signs which are out of keeping with the character of the environment in question should not be used. Excessive size and inappropriate placement on buildings results in visual clutter. Signs should be designed to relate harmoniously to exterior building materials and colors. Signs should express a simple clear message with wording kept to a minimum.
(8) Auxiliary design. The site should take into account the compatibility of landscaping, parking facilities, utility and service areas, walkways and appurtenances. These should be designed with the overall environment in mind and should be in visual keeping with related buildings, structures and places.

(c) Multiple Facades. In making recommendations affecting new buildings or structures which will have more than one (1) important facade, such as those which will face two (2) streets or a street and the San Antonio River, the historic and design review commission shall consider the above visual compatibility standards with respect to each important facade.

FINDINGS:

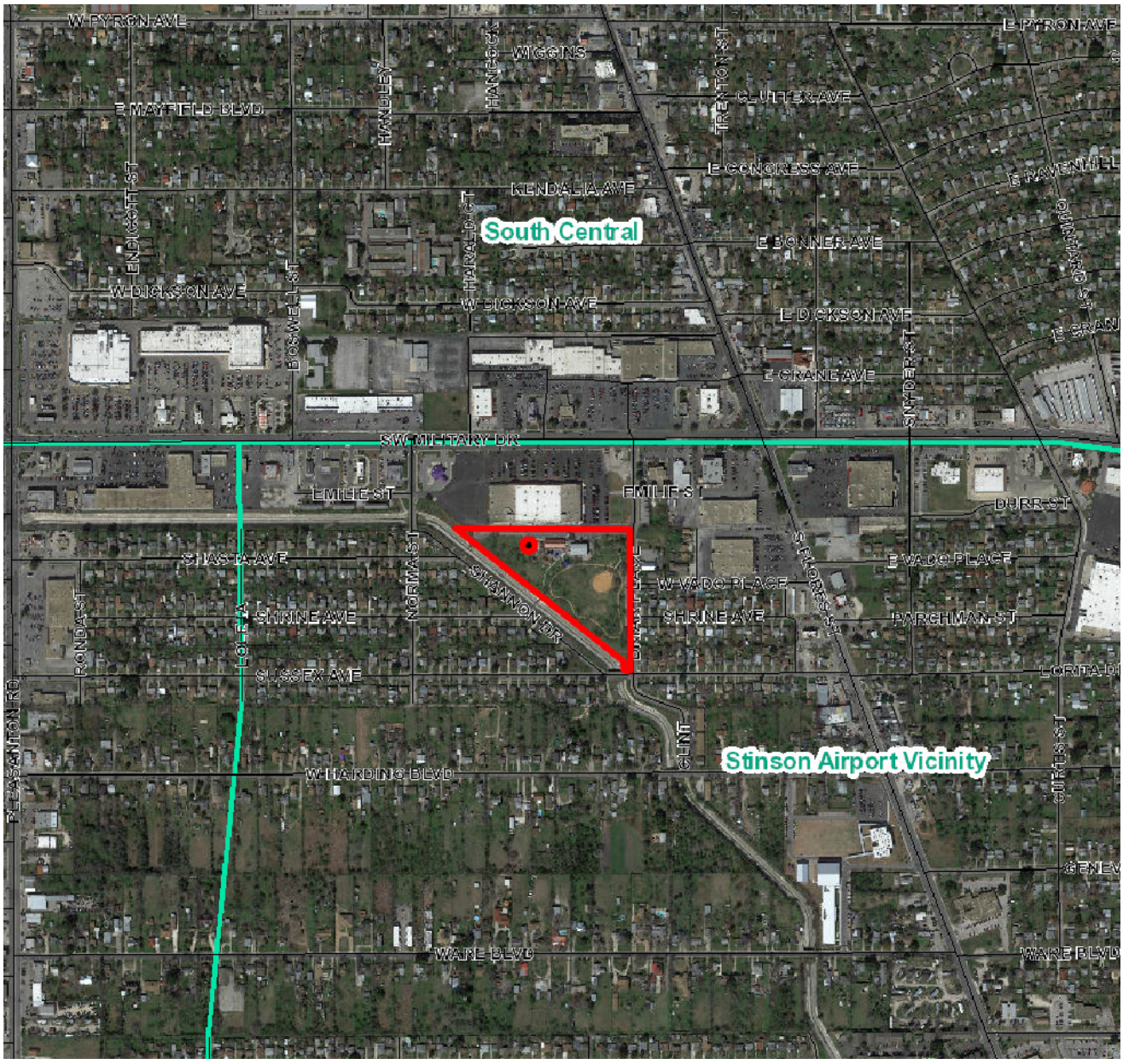
a. The applicant is requesting a Certificate of Appropriateness for approval to construct a canopy structure over the existing basketball court at Harlandale Park. In additional to the canopy structure, the applicant has also proposed to install a drinking fountain and bicycle storage rack. The proposed canopy structure will feature an overall height of approximately twenty (20) feet, a width of sixty-five (65) feet and a length of eighty-four (84) feet. The structure will consist of steel beams, pre-finished metal materials, light fixtures beneath the canopy, pre-finished metal gutters, downspouts, roofing and interior lighting.
b. Per the UDC Section 35-641 and 35-642, buildings shall be in scale with their adjoining surrounding, shall be suitable for the type of building and use for which they are designed, shall feature a color that is harmonious with the surroundings, shall feature screened mechanical equipment and shall feature lighting and signage that is in keeping with the environment of the area.

RECOMMENDATION:

Staff recommends approval based on findings a and b.

CASE MANAGER:

Edward Hall



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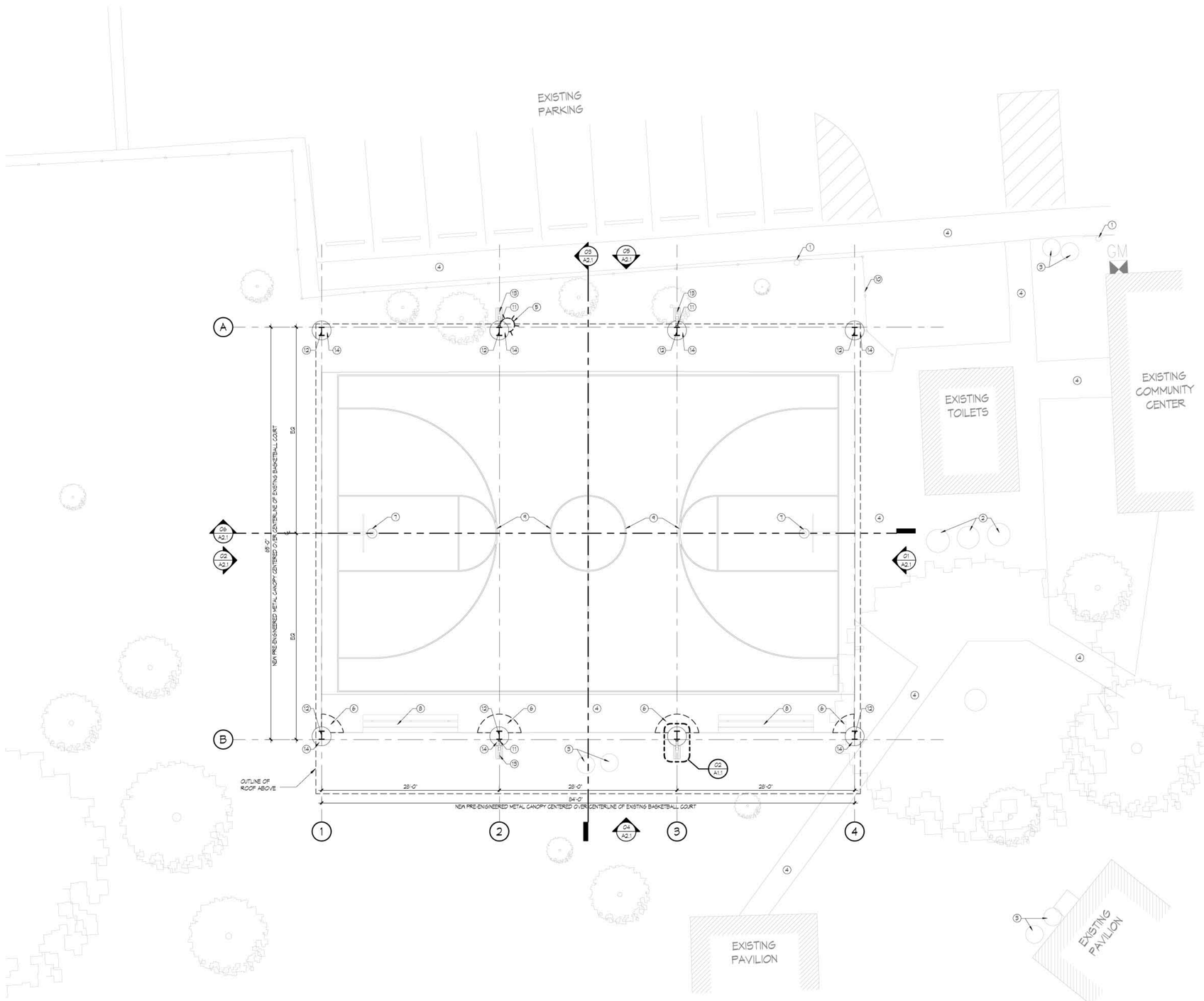


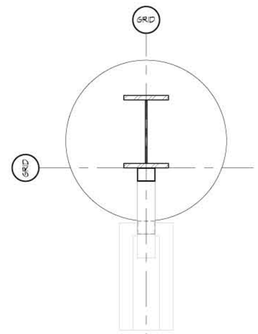
01 FLOOR PLAN
1/8" = 1'-0"

GENERAL NOTES

1. REFER TO CIVIL DRAWINGS FOR GRADING, DRAINAGE, SITE UTILITIES, AND ALL OTHER INFORMATION PERTAINING TO CIVIL ENGINEERING.
2. REFER TO STRUCTURAL DRAWINGS FOR NEW PRE-ENGINEERED METAL BUILDING FOOTINGS AND ALL OTHER INFORMATION PERTAINING TO STRUCTURAL ENGINEERING.
3. REFER TO ELECTRICAL DRAWINGS FOR NEW LIGHT FIXTURES, POWER REQUIREMENTS AND ALL OTHER INFORMATION PERTAINING TO ELECTRICAL ENGINEERING.
4. REFER TO LANDSCAPE DRAWINGS FOR REMOVAL OF EXISTING TREES IF APPLICABLE, NEW TREES TO BE PLANTED, IRRIGATION, AND ALL OTHER INFORMATION PERTAINING TO LANDSCAPE ARCHITECTURE.
5. REFER TO SHEETS TAS.1 AND TAS.2 FOR REQUIREMENTS PERTAINING TO CLEARANCES, CHANGES IN LEVEL, TURNING SPACES, ACCESSIBLE ROUTES, RAMPS, AND ALL OTHER REQUISITS REQUIRED BY THE AMERICANS WITH DISABILITIES ACT AND THE TEXAS ACCESSIBILITY STANDARD.
6. CONTRACTOR MUST FIELD VERIFY ALL DIMENSIONS AND CONDITIONS AND IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES FOUND PRIOR TO INTIATING WORK.
7. CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING CONSTRUCTION NOT WITHIN THE SCOPE OF WORK. THE CONTRACTOR SHALL REPAIR AND REPLACE ANY DAMAGED ELEMENTS, NOT INCLUDED IN THE SCOPE OF WORK, TO CONDITION EQUAL OR BETTER THAN PRIOR TO BEGINNING WORK, AT THEIR OWN EXPENSE.

KEYNOTES

1. EXISTING ADA PARKING SIGNS TO REMAIN.
2. EXISTING PLANTERS TO REMAIN.
3. EXISTING TRASH RECEPTACLES TO REMAIN.
4. EXISTING CONCRETE FLATWORK TO REMAIN.
5. EXISTING POLE AND LIGHT FIXTURES TO BE REMOVED IN THEIR ENTIRETY.
6. SAW-CUT EXISTING CONCRETE FLATWORK AS NEEDED TO ACCOMODATE NEW CONCRETE FOOTING. COORDINATE DEMOLITION WITH EXTENTS OF NEW WORK SHOWN IN STRUCTURAL DRAWINGS. PATCH AND REPAIR AND INSTALL NEW CONCRETE TO MATCH EXISTING AFTER INSTALLATION OF NEW CONCRETE FOOTINGS.
7. EXISTING BASKETBALL POLE TO REMAIN. EPOXY PAINT. REPLACE BACKBOARD, RIM, AND NET.
8. EXISTING BENCHES TO REMAIN. BENCHES MAY BE TEMPORARILY REMOVED AS NEEDED TO PERFORM NEW WORK AND REINSTALLED IN EXACT SAME CONFIGURATION AFTER COMPLETION OF WORK.
9. EXISTING BASKETBALL COURT STRIPING TO REMAIN.
10. EXISTING CABLE GUARDRAIL TO REMAIN.
11. PRE-FINISHED METAL DOWNSPOUT, BY PRE-ENGINEERED METAL BUILDING MANUFACTURER, BLUE COLOR.
12. PRE-ENGINEERED METAL BUILDING FRAME, BY PRE-ENGINEERED METAL BUILDING MANUFACTURER, EPOXY PAINT, REFERENCE STRUCTURAL DRAWINGS.
13. CONCRETE SPLASH BLOCK.
14. CONCRETE FOOTING, REFERENCE STRUCTURAL DRAWINGS.



02 PLAN DETAIL - COLUMN BASE
3/4" = 1'-0"

ARCHITECT: GERARDO G. NORIEGA,
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PARK IMPROVEMENTS
HARLANDALE PARK BASKETBALL CANOPY
300 SUSSEX AVE. San Antonio, Tx

DRAWN: RD
CHECKED: GN
DATE: 10-30-17
JOB NO. 17-005
REVISIONS :

SHEET TITLE
FLOOR PLAN

SHEET NO.
A1.1
SHEET ____ OF ____

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GENERAL NOTES

1. REFER TO STRUCTURAL DRAWINGS FOR NEW PRE-ENGINEERED METAL BUILDING FOOTINGS AND ALL OTHER INFORMATION PERTAINING TO STRUCTURAL ENGINEERING.
2. REFER TO ELECTRICAL DRAWINGS FOR NEW LIGHT FIXTURES, POWER REQUIREMENTS AND ALL OTHER INFORMATION PERTAINING TO ELECTRICAL ENGINEERING.
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KEYNOTES

1. PRE-FINISHED 24 GA. 'R' ROOF PANEL, BY PRE-ENGINEERED METAL BUILDING MANUFACTURER, BLUE COLOR.
2. PRE-FINISHED METAL RAKE TRIM, BY PRE-ENGINEERED METAL BUILDING MANUFACTURER, BLUE COLOR.
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6. STEEL CANOPY BEAM, BY PRE-ENGINEERED METAL BUILDING MANUFACTURER, EPOXY PAINT. REFERENCE STRUCTURAL DRAWINGS.
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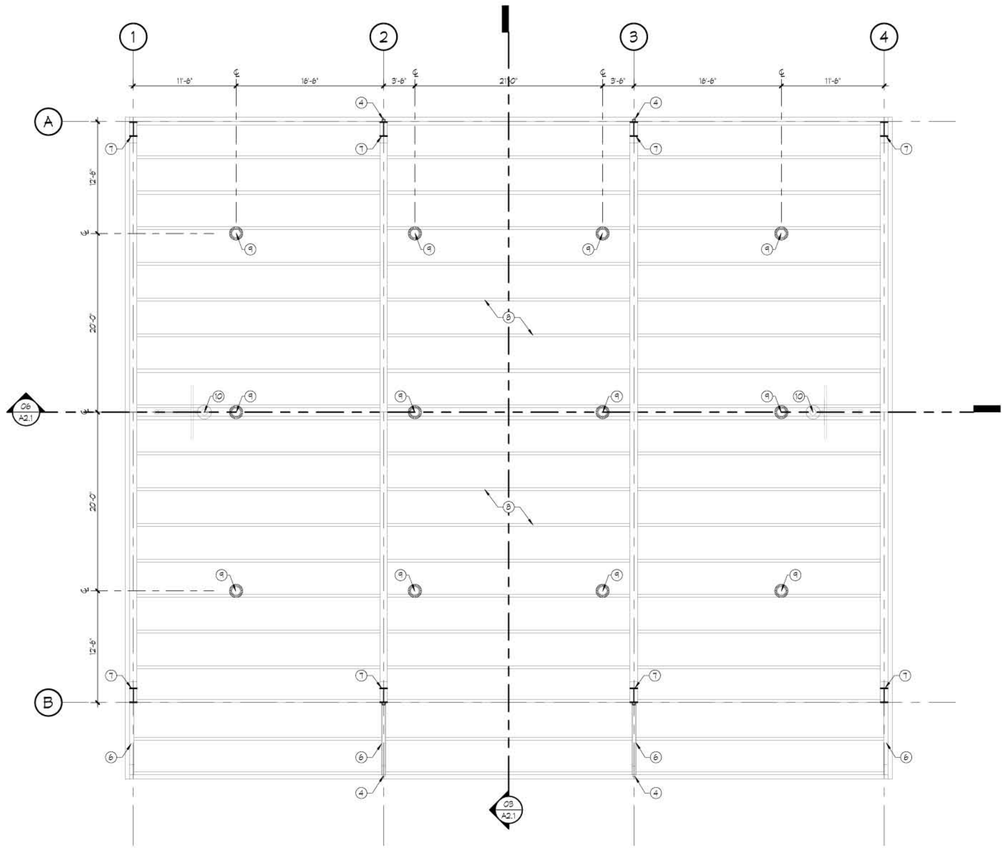
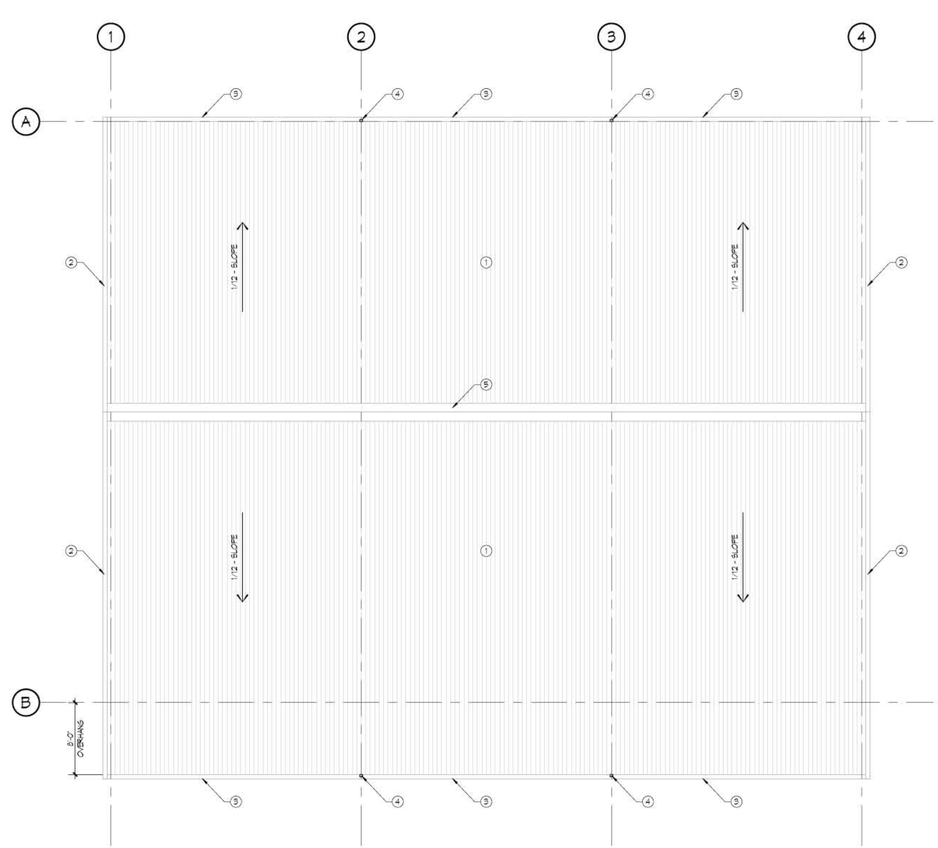
10. EXISTING BASKETBALL POLE TO REMAIN, EPOXY PAINT. REPLACE BACKBOARD, RIM, AND NET.



01 REFLECTED CEILING PLAN
1/8" = 1'-0"



02 ROOF PLAN
1/8" = 1'-0"

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PARK IMPROVEMENTS
HARLANDALE PARK BASKETBALL CANOPY
300 SUSSEX AVE, San Antonio, Tx

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DATE: 10-30-17
JOB NO. 17-005
REVISIONS :

SHEET TITLE
RCP & ROOF PLAN

SHEET NO.
A1.2

SHEET ____ OF ____

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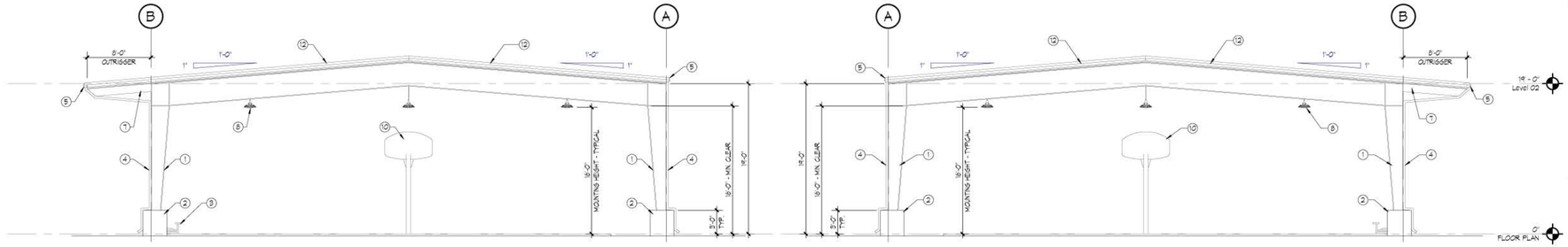
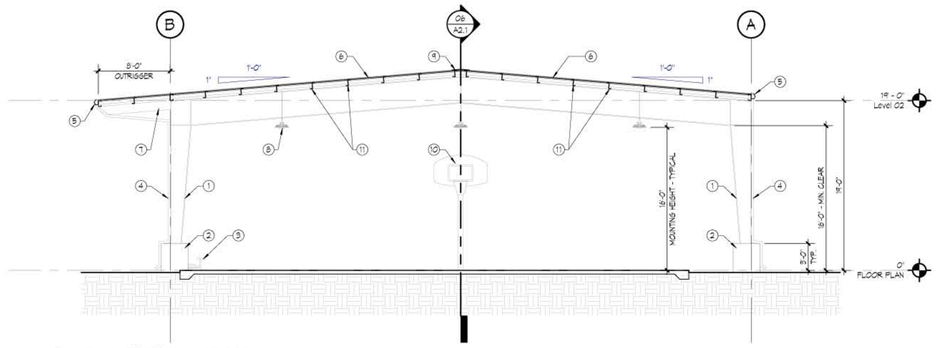
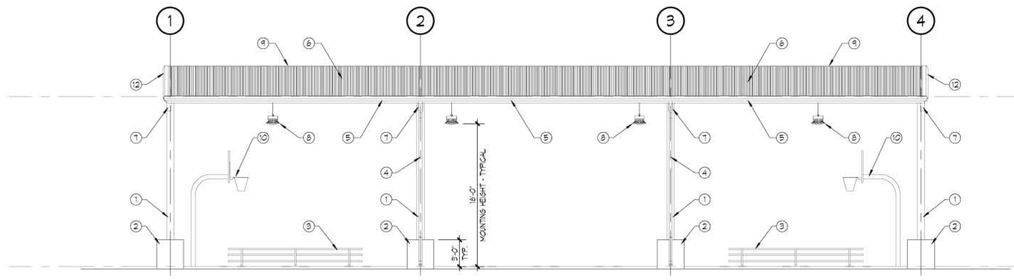


01 ELEVATION - EAST
1/8" = 1'-0"

02 ELEVATION - WEST
1/8" = 1'-0"



03 BUILDING SECTION - CROSS
1/8" = 1'-0"



04 ELEVATION - SOUTH
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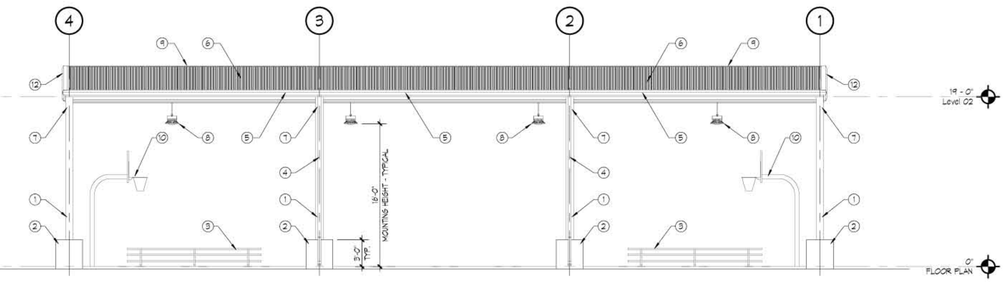

05 ELEVATION - NORTH
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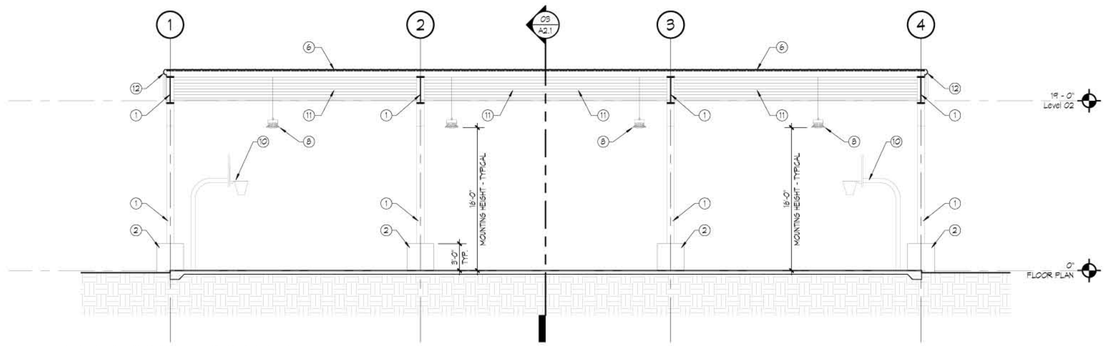

06 BUILDING SECTION - LONGITUDINAL
1/8" = 1'-0"

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PARK IMPROVEMENTS
HARLANDALE PARK BASKETBALL CANOPY
300 SUSSEX AVE. San Antonio, Tx

DRAWN: RD
CHECKED: GN
DATE: 10-30-17
JOB NO. 17-005
REVISIONS :

SHEET TITLE
EXTERIOR ELEVATIONS & BUILDING SECTIONS

SHEET NO.
A2.1

SHEET ____ OF ____

CITY OF SAN ANTONIO
HARLANDALE PARK
300 SUSSEX AVE.
SAN ANTONIO, TX 78221

80% CONSTRUCTION DOCUMENTS

NOVEMBER 1, 2017

CITY COUNCIL

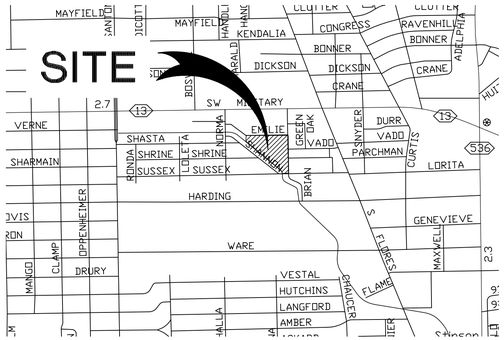
MAYOR
RON NIRENBERB

CITY COUNCIL
ROBERTO TREVINO
WILLIAM SHAW
REBECCA VIAGRAN
REY SALDANA
SHIRLEY GONZALES
GREG BROCKHOUSE
ANA SANDOVAL
MANNY PELAEZ
JOHN COURAGE
CLAYTON PERRY

ADMINISTRATION

CITY MANAGER
SHERYL SCULLEY

DIRECTOR OF TRANSPORTATION
AND CAPITAL IMPROVEMENTS
MIKE FRISBIE
PROJECT COORDINATOR
ERIC REYNA



VICINITY MAP NTS

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ph. 210-349-9098

MEP ENGINEER
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7700 Torino, Suite 101
San Antonio, TX 78229
ph. 210-614-1110

INDEX

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CULLEN P. COLTRANE
LANDSCAPE ARCHITECT LICENCE NO. 1784
OCTOBER 31, 2017

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PARK IMPROVEMENTS
HARLANDALE PARK BASKETBALL CANOPY
300 SUSSEX AVE. San Antonio, Tx

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

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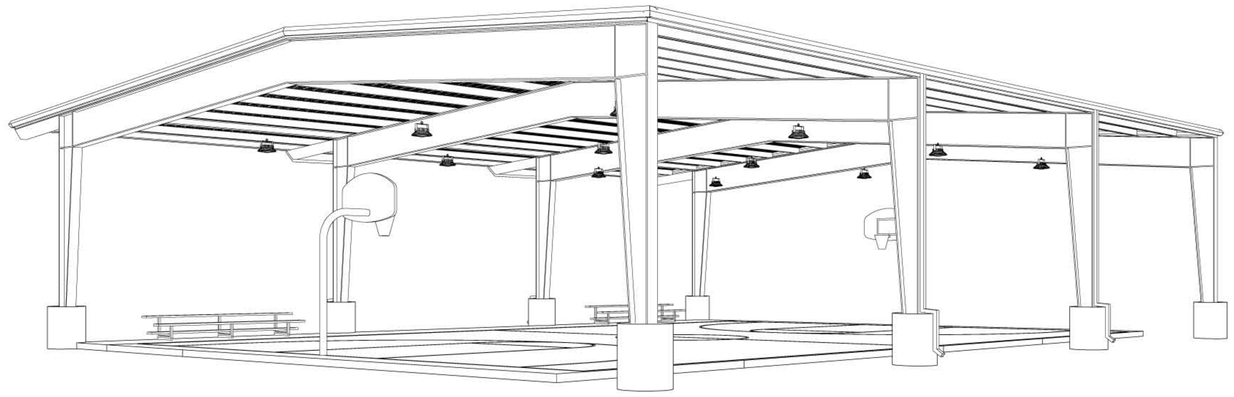
DATE: 08-22-17
JOB NO. 17-1092
REVISIONS :

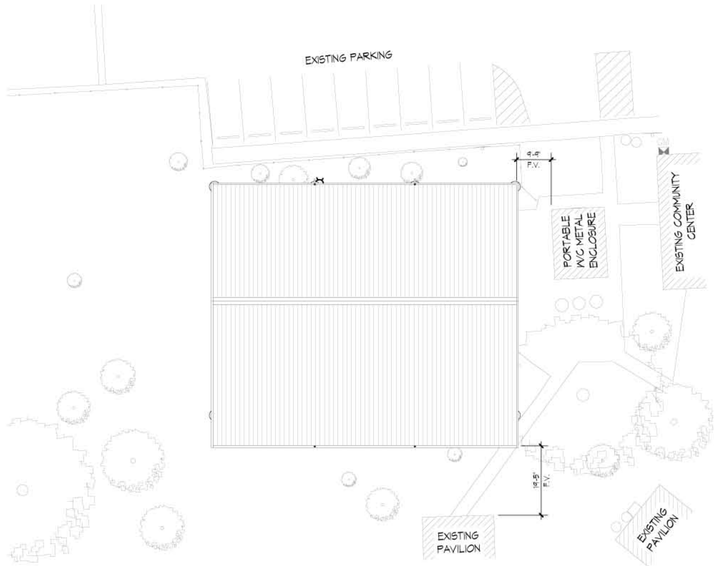
SHEET TITLE
COVER SHEET

SHEET NO.
CS

SHEET ____ OF ____

FILE: DATE:





ARCHITECTURAL SITE PLAN

CODE SUMMARY

APPLICABLE BUILDING CODES & REGULATIONS

2015 INTERNATIONAL BUILDING CODE WITH LOCAL AMENDMENTS
2015 INTERNATIONAL FIRE CODE WITH LOCAL AMENDMENTS
2015 INTERNATIONAL PLUMBING CODE WITH LOCAL AMENDMENTS
2014 NATIONAL ELECTRIC CODE
2015 TEXAS ACCESSIBILITY STANDARD
ASHRAE 90.1-2007

CODE ANALYSIS

(IBC CHAPTER 3)	OCCUPANCY CLASSIFICATION:	A-3
(IBC CHAPTER 6)	TYPE OF CONSTRUCTION:	V-B
(IBC TABLE 504.3)	MAXIMUM ALLOWABLE HEIGHT:	40 FEET
(IBC TABLE 504.4)	MAXIMUM ALLOWABLE STORIES:	1 STORY
(IBC TABLE 506.2)	MAXIMUM ALLOWABLE AREA:	6,000 SF
(IBC TABLE 1004.1.2)	FUNCTION OF SPACE:	RECREATIONAL FACILITY / EXERCISE ROOM

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PARK IMPROVEMENTS

HARLANDALE PARK BASKETBALL CANOPY

300 SUSSEX AVE. San Antonio, Tx

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DATE: 10-30-17
JOB NO. 17-005
REVISIONS :

SHEET TITLE
CODE ANALYSIS

SHEET NO.
CA.1

SHEET ____ OF ____

ELECTRICAL SYMBOLS AND ABBREVIATIONS

NOTE: NOT ALL SYMBOLS MAY BE USED ON THIS PROJECT. REFER TO SPECIFICATIONS MANUAL FOR ADDITIONAL REQUIREMENTS.

POWER SYMBOLS

- MOTOR, HP AS INDICATED
- CONTROLLER TO BE FURNISHED UNDER DIVISION 15
- DISCONNECT SWITCH
- MAGNETIC MOTOR STARTER
- COMBINATION MOTOR STARTER
- C — CONTACTOR
- J — JUNCTION BOX, CEILING MOUNTED
- J — JUNCTION BOX, WALL MOUNTED
- R — RELAY
- SIMPLEX RECEPTACLE
- DUPLEX RECEPTACLE
- GFCI / WP — DUPLEX RECEPTACLE; GFI=GROUND FAULT CIRCUIT INTERRUPTER; WP=WEATHERPROOF; IG=ISOLATED GROUND
- DOUBLE DUPLEX (QUADRUPLEX) RECEPTACLE
- FLOOR OUTLET DUPLEX RECEPTACLE
- FLOOR OUTLET SIMPLEX RECEPTACLE
- FLOOR OUTLET QUADRUPLEX RECEPTACLE
- D — DROP CORD RECEPTACLE
- SPECIAL PURPOSE OUTLET AS DESIGNATED
- SINGLE FACE PEDESTAL
- DOUBLE FACE PEDESTAL RECEPTACLE
- EQUIPMENT CONNECTION
- CONNECT TO EXISTING

LIGHTING CONTROL SYMBOLS

- S_0 — SINGLE POLE SWITCH, SUBSCRIPT INDICATES ASSOCIATED CIRCUITRY
- S_D — DIMMABLE SWITCH
- S_2 — DOUBLE POLE SWITCH
- S_3 — THREE-WAY SWITCH
- S_4 — FOUR-WAY SWITCH
- S_K — KEY OPERATED SWITCH
- S_P — SWITCH WITH PILOT LIGHT IN HANDLE (ON=LIGHTED UNLESS OTHERWISE NOTED)
- S_{WP} — WEATHERPROOF SWITCH
- S_M S_{MT} — MANUAL MOTOR STARTER (T=THERMAL OVERLOAD, SIZED FOR MOTOR)
- DS — DOOR SWITCH
- S_T — TIME SWITCH
- S_{SC} — SPEED CONTROL
- S_{PB} — PUSH BUTTON
- S_O — SWITCH, OCCUPANCY SENSOR, WALL MOUNT
- S_{LV} — MOMENTARY CONTACT OVERRIDE SWITCH

LIGHTING CONTROL SYMBOLS (CONT.)

- OS — OCCUPANCY SENSOR, CEILING MOUNTED, DUAL TECHNOLOGY. THE CONTRACTOR SHALL PROVIDE ALL REQUIRED POWER PACKS
- OS — OCCUPANCY SENSOR WALL MOUNTED, DUAL TECHNOLOGY. THE CONTRACTOR SHALL PROVIDE ALL REQUIRED POWER PACKS

LIGHTING SYMBOLS

- INCANDESCENT OR HID FIXTURE, CEILING MOUNTED
- INCANDESCENT OR HID FIXTURE, WALL MOUNTED
- FLUORESCENT TROFFER, RECESSED OR SURFACE MOUNTED
- EXIT SIGN – SINGLE FACE
- EXIT SIGN – SINGLE FACE WITH ONE-WAY DIRECTIONAL ARROW
- EXIT SIGN – SINGLE FACE WITH TWO-WAY DIRECTIONAL ARROWS
- EXIT SIGN – DOUBLE FACE
- EXIT SIGN – DOUBLE FACE WITH 2 ONE-WAY DIRECTIONAL ARROWS
- EMERGENCY LIGHT, BATTERY TYPE WITH CHARGER
- EXTERIOR FLOOD LIGHT
- POLE MOUNTED LUMINAIRE (SQUARE)
- POLE MOUNTED LUMINAIRE (ROUND)
- TRACK LIGHT WITH HEADS AS INDICATED
- LC — LIGHTING CONTACTOR
- PP — POWER PACK

ELECTRICAL RACEWAYS

- CONDUIT CONCEALED IN WALL OR CEILING
- CONDUIT UNDER FLOOR OR UNDERGROUND
- SWITCH LEG
- SURFACE MOUNTED RACEWAY WITH ALL REQUIRED FITTINGS AND HARDWARE. PROVIDE RECEPTACLES AS INDICATED.
- SURFACE MOUNTED RACEWAY RISER SECTION WITH ALL REQUIRED FITTINGS AND HARDWARE
- BUS DUCT WITH TAKE OFF DEVICE
- — UGE — UNDERGROUND ELECTRICAL (APPROXIMATE LOCATION, CONTRACTOR TO VERIFY EXACT LOCATION IN FIELD)
- — UGT — UNDERGROUND TELEPHONE (APPROXIMATE LOCATION, CONTRACTOR TO VERIFY EXACT LOCATION IN FIELD)
- PIA-2,4,6 — BRANCH CIRCUIT HOMERUN SUBSCRIPT 'PIA' INDICATES PANEL AND 2,4,6 INDICATES BREAKER POSITION

CABLE TRAY AND RELATED ITEMS

- CABLE TRAY – 90 DEGREE FITTING
- CABLE TRAY – TEE FITTING
- CABLE TRAY – X FITTING
- CABLE TRAY – 90 DEGREE VERTICAL BENDS: IN & OUT FOR ELEVATION CHANGE
- CABLE TRAY – 90 DEGREE VERTICAL BEND: IN OR OUT FOR TRAY UP OR DOWN
- CABLE TRAY

FIRE ALARM SYSTEM SYMBOLS

- FACP — FIRE ALARM CONTROL PANEL
- ANN — REMOTE ANNUNCIATOR PANEL
- FAEX — FIRE ALARM EXPANSION PANEL
- F — MANUAL PULL STATION (G=VANDAL PROOF GUARD)
- AV — AUDIOVISUAL ANNUNCIATOR (G=VANDAL PROOF GUARD) □ = WALL MOUNT ○ = CEILING MOUNT
- V — VISUAL ANNUNCIATOR (G=VANDAL PROOF GUARD) □ = WALL MOUNT ○ = CEILING MOUNT
- A — AUDIBLE ANNUNCIATOR (G=VANDAL PROOF GUARD) □ = WALL MOUNT ○ = CEILING MOUNT
- SD — SMOKE DETECTOR (G=VANDAL PROOF GUARD)
- SD D — SMOKE DETECTOR, DUCT MOUNTED
- HD — HEAT DETECTOR (G=VANDAL PROOF GUARD)
- SMOKE FIRE DAMPER
- TS — TEST SWITCH
- FS — FLOW SWITCH
- TS — TAMPER SWITCH
- PS — FIRE SPRINKLER PRESSURE SWITCH
- FS — FIRE ALARM SPEAKER ANNUNCIATOR
- PJ — FIRE FIGHTERS PHONE JACK
- FF — FIRE FIGHTERS TELEPHONE
- DH — MAGNETIC DOOR HOLDER
- H — WALL MOUNTED AUDIBLE ANNUNCIATOR (HORN) (G= VANDAL PROOF GUARD, WP=WEATHERPROOF)

CLOCKS SYSTEM SYMBOLS

- CEILING MOUNTED CLOCK
- WALL MOUNTED CLOCK HEIGHT AS DESIGNATED BY ARCHITECT
- WALL MOUNTED DOUBLE FACE HEIGHT AS DESIGNATED BY ARCHITECT

INTERCOM SYSTEM SYMBOLS

- SP — INTERCOM SPEAKER, CEILING MOUNTED (G=VANDAL PROOF GUARD)
- SP — INTERCOM SPEAKER, WALL MOUNTED (G=VANDAL PROOF GUARD)
- I — INTERCOM CALL SWITCH (V=VOLUME CONTROL)
- I — INTERCOM SPEAKER, EXTERIOR HORN-TYPE (G=VANDAL PROOF GUARD, WP=WEATHERPROOF)
- AMP — AMPLIFIER
- ISC — INTERCOM SYSTEM CABINET
- IC — INTERCOM CALL-IN SWITCH
- ACS — ADMINISTRATIVE CONTROL SYSTEM
- S_I — INTERCOM PUSHBUTTON (V=VOLUME CONTROL)

SECURITY & ACCESS CONTROL SYSTEM SYMBOLS

- SEC — SECURITY MAIN CONTROL PANEL
- DB — DURESS ALARM PUSHBUTTON
- DB — DURESS SYSTEM WIRELESS RECEIVER/ANTENNA
- PB — PUSH BUTTON
- EPB — EGRESS PUSHBUTTON
- CR — CARD READER
- CCTV — CLOSED CIRCUIT TELEVISION OUTLET
- DC — DOOR CONTACT
- ML — MAGNETIC DOOR LOCK
- MD — MOTION DETECTOR, ROUGH-IN ONLY, 90" AFF, MAXIMUM 6" FROM NEAREST CORNER TO CENTER OF BOX, 1/2" CONDUIT TO ABOVE ACCESSIBLE CEILING WITH BUSHINGS AND PULL-STRING UNLESS INDICATED OTHERWISE.
- GB — GLASS BREAK SENSOR ROUGH-IN ONLY, 90" AFF, MAXIMUM 6" FROM NEAREST CORNER TO CENTER OF BOX, 1/2" CONDUIT TO ABOVE ACCESSIBLE CEILING WITH BUSHINGS AND PULL-STRING UNLESS INDICATED OTHERWISE.
- REX — REQUEST TO EXIT SENSOR
- ES — ELECTRIC STRIKE
- CAMERA (OFOI) OWNER FURNISHED, OWNER INSTALLED
- CAM — CAMERA (CFCI) CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
- CAM — DOMED CAMERA

TELECOM. / TELEPHONE / DATA SYSTEM SYMBOLS

- PLYWOOD TELEPHONE BACKBOARD
- TELEPHONE OUTLET IN WALL, ROUGH-IN ONLY, 1" CONDUIT TO ABOVE ACCESSIBLE CEILING WITH BUSHINGS AND PULL-STRING UNLESS INDICATED OTHERWISE.
- 2 — DATA OUTLET IN WALL, ROUGH-IN ONLY, 1" CONDUIT TO ABOVE ACCESSIBLE CEILING WITH BUSHINGS AND PULL-STRING UNLESS INDICATED OTHERWISE.
- (2) REPRESENTS THE QUANTITY OF PORTS IN OUTLET
- 2 — PHONE AND DATA OUTLET IN WALL, ROUGH-IN ONLY, 1" CONDUIT TO ABOVE ACCESSIBLE CEILING WITH BUSHINGS AND PULL-STRING UNLESS INDICATED OTHERWISE.
- FLOOR TELEPHONE AND DATA OUTLET, POKE-THRU TYPE
- T — THERMOSTAT
- CABLE TELEVISION OUTLET, ROUGH-IN ONLY. 15" A.F.F. UNLESS INDICATED OTHERWISE.
- FLOOR CABLE TELEVISION OUTLET
- WAP — WIRELESS ACCESS POINT
- ANTENNA

ONE-LINE DIAGRAM SYMBOLS

- H-O-A SELECTOR SWITCH
- STOP/START PUSHBUTTON STATION
- LIGHTING ARRESTER AND SURGE CAPACITOR
- TRANSFORMER
- TRANSFORMER (SHIELDED)
- M — MOTOR STARTER AND RELAY AND CONTACTOR
- ETM — ELAPSED (RUNNING) TIME METER
- CONTROL POWER TRANSFORMER
- MCP — CIRCUIT BREAKER (MOTOR CIRCUIT PROTECTOR)
- DISCONNECT SWITCH
- BUS STAB
- CT — CURRENT TRANSFORMER
- MOTOR RESISTANCE TYPE WINDING HEATER
- THERMAL OVERLOAD CIRCUIT
- BREAKER (THERMAL MAGNETIC TYPE)
- FUSE
- CONTACT (NORMALLY OPEN)
- CONTACT (NORMALLY CLOSED)
- PUSHBUTTON (NORMALLY OPEN)
- PUSHBUTTON (NORMALLY CLOSED)
- LIMIT SWITCH (NORMALLY OPEN)
- TIME DELAY CONTACT
- PILOT LIGHT W/COLOR INDICATED (A-AMBER ,G-GREEN ,R-RED)
- S — SOLENOID VALVE
- DIFFERENTIAL PRESSURE SWITCH
- E N — AUTOMATIC TRANSFER SWITCH
- DISCONNECT SWITCH 400/3/400AF/N3R INDICATES FRAME SIZE/POLES/FUSE AMPACITY/ENCLOSURE

PANELS AND RELATED EQUIPMENT

- PANELBOARD SURFACE MOUNTED (REFER TO PANEL SCHEDULE)
- PANELBOARD FLUSH MOUNTED (REFER TO PANEL SCHEDULE)
- TRANSFORMER, WITH CONCRETE HOUSEKEEPING PAD (REFER TO ONE-LINE DIAGRAM)
- ATS — AUTOMATIC TRANSFER SWITCH (REFER TO ONE-LINE DIAGRAM)

ABBREVIATIONS

A	AMPERE
AC	ABOVE COUNTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPERE INTERRUPTING CAPACITY
BLDG	BUILDING
C	CONDUIT
CAB	CABINET
CKT	CIRCUIT
CONN	CONNECT OR CONNECTION
CT	CURRENT TRANSFORMER
EA	EACH
EF	EXHAUST FAN
ELEC	ELECTRIC
EMER	EMERGENCY
FACP	FIRE ALARM CONTROL PANEL
FLA	FULL LOAD AMPS
FLEX	FLEXIBLE CONDUIT
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
HOA	HAND-OFF-AUTO
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
HTR	HEATER
J-BOX	JUNCTION BOX
kVA	KILOVOLT AMPERE
kVAR	KILOVOLT AMPERE REACTIVE
kCM	THOUSAND CIRCULAR MILS
kV	KILOWATT
LTG	LIGHT OR LIGHTING
MFG	MANUFACTURER
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTOR
MIN	MINIMUM
MH	METAL HALIDE
MLO	MAIN LUG ONLY
MSB	MAIN SWITCHBOARD
MTD	MOUNTED
NEC	NATIONAL ELECTRICAL CODE
NTS	NOT TO SCALE
ø	PHASE
OL	OVERLOAD
OVHD	OVERHEAD
PA	PUBLIC ADDRESS
SC	SPLIT CIRCUIT
SFD	SMOKE FIRE DAMPER
SW	SWITCH
T/D	TELEPHONE & DATA
TTB	TELEPHONE TERMINAL BOARD
TYP	TYPICAL
UC	UNDER COUNTER
UG	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
V	VOLT
W	WATTS
W/	WITH
WP	WEATHER PROOF
XFMR	TRANSFORMER

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CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

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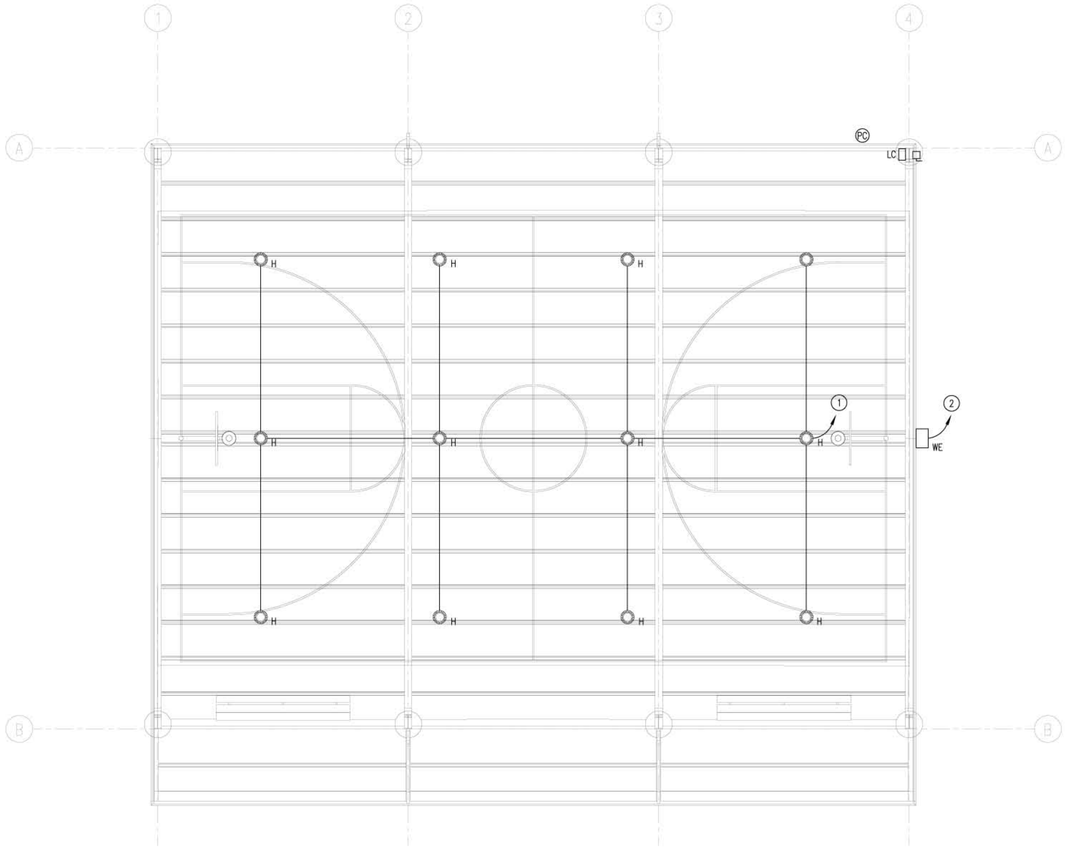
SHEET TITLE
ELECTRICAL SYMBOLS & ABBREVIATIONS

SHEET NO.
E0.0
SHEET ____ OF ____



PLAN NORTH

1 ENLARGED ELECTRICAL FLOOR PLAN

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

GENERAL LIGHTING NOTES: (APPLIES TO ALL ELECTRICAL SHEETS)

1. ALL WORK TO BE COMPLETED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND THE AUTHORITY HAVING JURISDICTION.
2. COORDINATE ALL WORK WITH OTHER TRADES AS REQUIRED.
3. ALL NEW LIGHT SWITCHES TO BE MOUNTED AT 44" ABOVE FINISHED FLOOR, MEASURED FROM CENTER LINE OF SWITCH IN UP OR "ON" POSITION.
4. SINGLE HOME RUNS ARE SHOWN FOR CIRCUIT IDENTIFICATION ONLY. CONTRACTOR MAY GROUP A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN RACEWAY, UNLESS NOTED OTHERWISE. TYPICAL FOR ALL ELECTRICAL FLOOR PLANS.
5. MULTI-WIRED (SHARED NEUTRAL) BRANCH CIRCUITS SHALL NOT BE INSTALLED. ALL 120- & 277- VOLT BRANCH CIRCUITS SHALL HAVE A DEDICATED INDIVIDUAL NEUTRAL CONDUCTOR.
6. ALL HOMERUNS AND RUNS BETWEEN JUNCTION BOXES TO BE A MINIMUM OF 3/4" CONDUIT WITH #10 WIRE. NO MORE THAN THREE (3) CIRCUITS PER HOMERUN. ALL WIRING SHALL HAVE A SEPARATE INSULATED GREEN GROUNDING CONDUCTOR. #10 CONDUCTORS SHALL EXTEND FROM OCPD TO A JUNCTION BOX IN THE AREA OF THE OUTLETS OR UTILIZATION EQUIPMENT. DROPS TO INDIVIDUAL 20A SWITCHES AND RECEPTACLES MAY BE #12 THHN COPPER.
7. ALL ITEMS AND FIXTURES SHALL BE UL LISTED.
8. EXPOSED GRID CEILINGS: FLUORESCENT FIXTURES SHALL BE SUPPORTED INDEPENDENTLY OF THE CEILING GRID BY A MINIMUM OF FOUR #9 GALVANIZED WIRES ATTACHED TO THE FIXTURE AT EACH CORNER.
9. VOLTAGE DROP IN BRANCH CIRCUITS SHALL NOT EXCEED 3%.
10. ELECTRICAL CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ELECTRICAL WORK ABOVE THE CEILING TO PROVIDE THE GREATEST POSSIBLE CLEARANCE FOR PLUMBING AND MECHANICAL EQUIPMENT BOTH CURRENT AND FUTURE. CONDUITS SHALL BE KEPT TIGHT TO STRUCTURE OR ROUTED THROUGH STRUCTURAL TRUSSES WHEREVER POSSIBLE.
11. PROVIDE U.L. LISTED FIRE STOP SYSTEMS AT ALL PENETRATIONS THROUGH WALLS.
12. ALL JUNCTION BOX COVERS WILL BE MARKED USING "SHARPIE" OR "MARKSALOT" INDICATING THE PANEL AND CIRCUIT #'S CONTAINED WITHIN THE JUNCTION BOX.
13. ALL SWITCH COVER PLATES WILL BE MARKED TO INDICATE PANEL AND CIRCUIT #'S USING APPROVED LABEL MAKER.
14. THERE SHALL BE NO JUNCTION BOXES LOCATED ABOVE A HARD CEILING. ALL CONNECTIONS TO FIXTURES IN A HARD CEILING WILL COME FROM A JUNCTION BOX LOCATED IN AN ACCESSIBLE AREA OUTSIDE OF THE ROOM.
15. FIXTURES SHALL NOT BE DAISY CHAINED TOGETHER. EACH FIXTURE SHALL HAVE ONLY ONE FLEXIBLE CONDUIT CONNECTION FROM A JUNCTION BOX LOCATED WITHIN 6'.
16. FLEXIBLE CONDUIT (FMC) CAN BE USED ONLY FOR FINAL CONNECTIONS TO LIGHT FIXTURES. RUNS LONGER THAN 6' WILL NOT BE ALLOWED.
17. LIQUIDTIGHT FLEXIBLE CONDUIT (LFMC) SHALL BE USED FOR CONNECTIONS TO EQUIPMENT AND MOTORS.
18. CIRCUIT ALL EXIT SIGNS, EMERGENCY EGRESS FIXTURES TO NEAREST LIGHTING CIRCUIT, CIRCUIT AHEAD OF SWITCHING. PROVIDE CONSTANT HOT TO ALL EMERGENCY BATTERY PACKS.
19. CIRCUIT ALL EXTERIOR LIGHTS THRU PHOTOCELL/TIMECLOCK/BAS CONTROLLED LIGHTING CONTACTOR.

KEYED NOTES: (APPLIES TO THIS SHEET) ◯

1. ROUTE EXTERIOR LIGHTING CIRCUIT THROUGH LIGHTING CONTACTOR. REFER TO DETAIL 1/E3.1 FOR ADDITIONAL INFORMATION.
2. ROUTE EXTERIOR LIGHTING CIRCUIT THROUGH PHOTOCELL.

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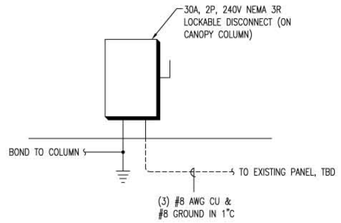
SHEET TITLE
ENLARGED ELECTRICAL PLAN

SHEET NO.
E1.1
SHEET ____ OF ____



1 **PARTIAL RISER DIAGRAM**

SCALE: NOT TO SCALE

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	LAMP QTY.	LAMP TYPE	BALLAST QTY.	BALLAST TYPE	MOUNTING	VOLTAGE	WATTAGE
H	LUXDYNAMICS	LUX-IK10-3-D-H02-840-2-U10	LED HIGH BAY FIXTURE	1	LED 4000K	1	LED DRIVER	SUSPENDED	120	
WE	LITHONIA	WST LED	LED WALL PACK, WITH EMERGENCY BATTERY PACK	1	LED 4000K	1	LED DRIVER	SURFACE	120	

NOTES:
1. REFER TO ARCHITECTURAL DRAWINGS FOR INFORMATION REGARDING CEILING TYPES. PROVIDE MOUNTING HARDWARE, FLANGES AS REQUIRED. CEILING TYPE INDICATED IN ARCHITECTURAL DRAWINGS WILL TAKE PRECEDENCE OVER MOUNTING OPTION INDICATED IN PART NUMBER.
2. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
3. THE FIXTURES LISTED IN THE FIXTURE SCHEDULE HAVE BEEN SELECTED BASE ON A NUMBER OF FACTORS WHICH MAY OR MAY NOT BE UNIQUE TO THOSE FIXTURES. THE CONTRCTOR MAY PROPOSE SUBSTITUTIONS IN ACCORDANCE WITH THE REQUIREMENTS LISTED IN THE SPECIFICATIONS MANUAL.

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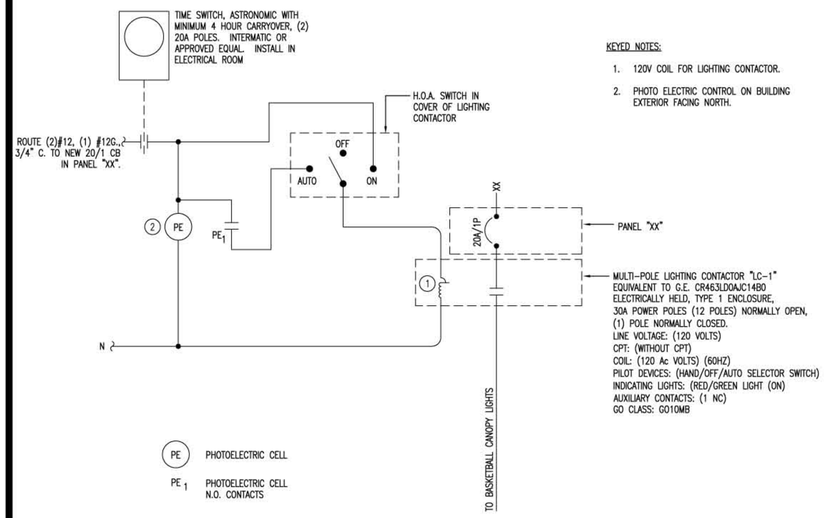
SHEET TITLE
ELECTRICAL RISER DIAGRAM & SCHEDULES

SHEET NO.
E2.1
SHEET ____ OF ____

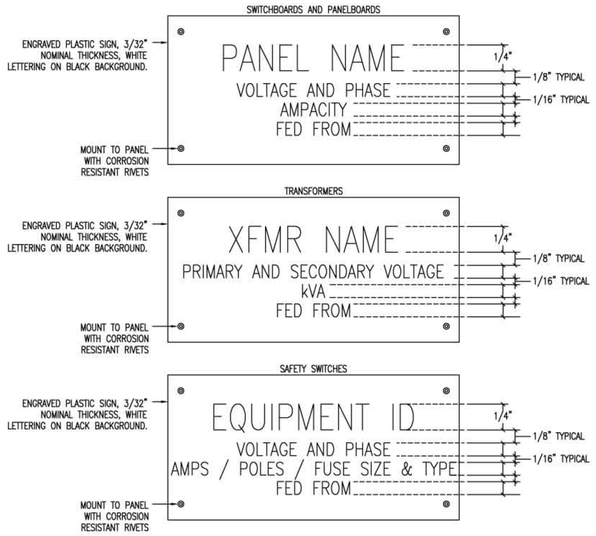


KEYED NOTES:

1. 120V COIL FOR LIGHTING CONTACTOR.
2. PHOTO ELECTRIC CONTROL ON BUILDING EXTERIOR FACING NORTH.

1 LIGHTING CONTACTOR CONTROL CIRCUIT DETAIL

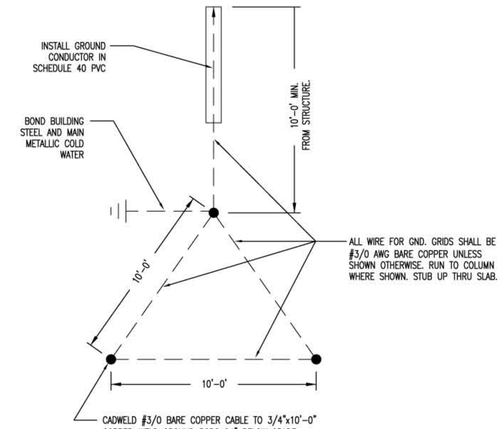
SCALE: NOT TO SCALE



NOTE:
PROVIDE LABELS FOR ALL ELECTRICAL EQUIPMENT BEING INSTALLED, INCLUDING SWITCHBOARDS, PANELBOARDS, SAFETY SWITCHES, TRANSFORMERS, ETC.

2 EQUIPMENT LABELING DETAIL

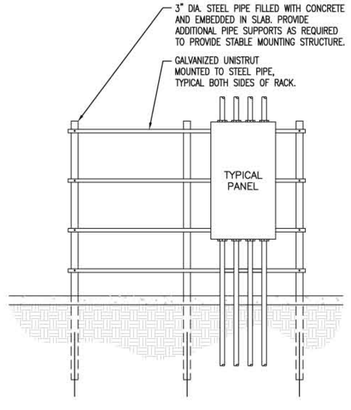
SCALE: NOT TO SCALE



NOTE:
PROVIDE A COMPLETE GROUNDING SYSTEM MEETING ALL REQUIREMENTS OF NEC ARTICLE 250.52 (A1) THRU (A6) AND 250.104 (A) THRU (C).

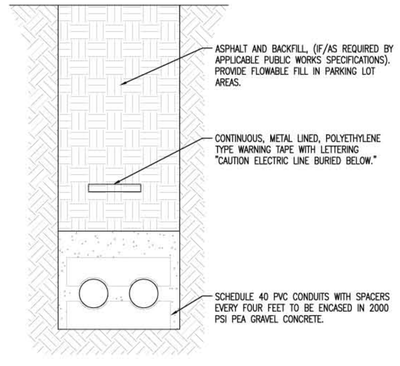
3 GROUND ROD GRID DETAIL

SCALE: NOT TO SCALE



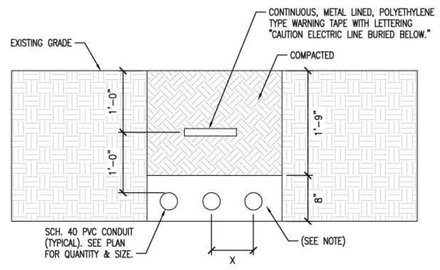
4 ELECTRICAL EQUIPMENT RACK DETAIL

SCALE: NOT TO SCALE



5 2-4" PRIMARY DUCTLINE DETAIL

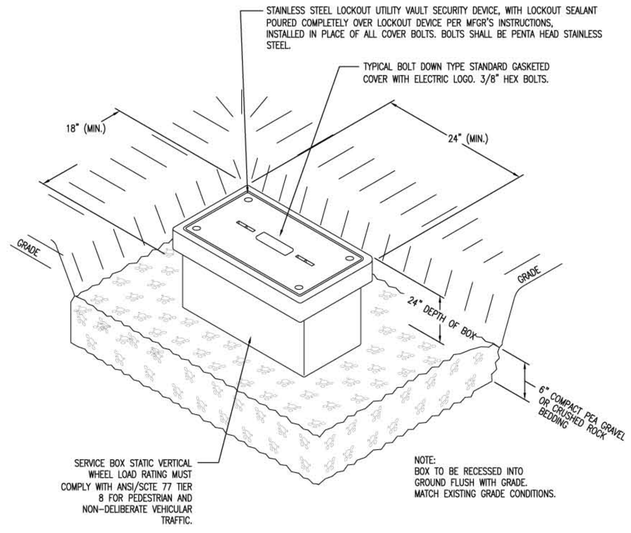
SCALE: NOT TO SCALE



NOTES:
1. PROVIDE RED COLORED CONCRETE ENCASEMENT FOR SERVICE CONDUITS AND FOR CONDUITS INSTALLED BELOW PAVED TRAFFIC AREAS AND ELSEWHERE AS NOTED. PROVIDE SAND BEDDING ELSEWHERE.
2. CONDUIT SPACING SHALL BE AS FOLLOWS:
   X= 7.5" TYPICAL FOR POWER CONDUITS
   X= 24" SEPARATION BETWEEN POWER AND INSTRUMENT CONDUITS.

6 UG CONDUIT INSTALLATION

SCALE: NOT TO SCALE



7 SITE - TYPICAL RECESSED PULL BOX INSTALLATION - T8

SCALE: NOT TO SCALE

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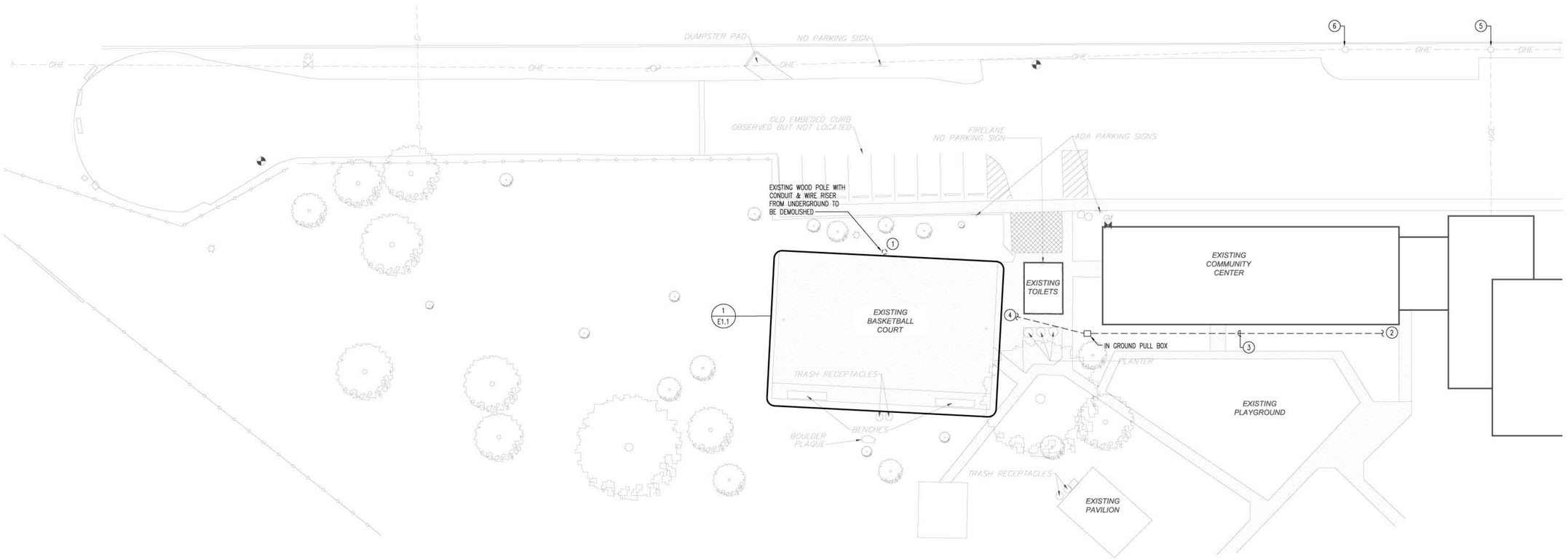
SHEET ____ OF ____



PLAN NORTH

1 ELECTRICAL SITE PLAN

SCALE: 1" = 20'-0"

2 EXISTING UTILITY POLE

SCALE: N.T.S.

KEYED NOTES: (APPLIES TO THIS SHEET)

1. SEE PHOTO OF EXISTING POLE THIS SHEET. FIELD VERIFY EXISTING ELECTRICAL SOURCE FOR EXISTING CIRCUITS. DISCONNECT AND REMOVE EXISTING CONDUCTORS COMPLETE. REMOVE EXISTING CONDUIT TO BELOW GRADE AND ABANDON IN PLACE.
2. ROUTE (3) #8 AWG CU & #8 GROUND IN 1" PVC CONDUIT FROM 30A, 2P CIRCUIT BREAKER IN EXISTING PANELBOARD 'XX', TBD.
3. ROUTE UNDERGROUND CONDUIT SERVING CANOPY LIGHTS THROUGH LANDSCAPE AREA. PROVIDE IN-GROUND PULL BOX. SEE DETAILS.
4. ROUTE UNDERGROUND CONDUIT TO BASKETBALL CANOPY. SEE E1.1 FOR ADDITIONAL INFORMATION.
5. EXISTING CPS ENERGY 240/120V, 3P, 4W BUILDING SERVICE DROP.
6. EXISTING CPS ENERGY TRANSFORMER POLE.

GENERAL SITE NOTES: (APPLIES TO ELECTRICAL SITE WORK)

1. ALL WORK TO BE COMPLETED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND THE AUTHORITY HAVING JURISDICTION.
2. COORDINATE AND SCHEDULE ALL REQUIRED OUTAGES OF ELECTRICAL SERVICE TO EXISTING FACILITIES WITH OWNER'S REPRESENTATIVE IN ADVANCE OF OUTAGE.
3. CONTRACTOR SHALL REQUEST THE LOCATION OF ALL UNDERGROUND UTILITIES IN THE VICINITY OF ANY EXCAVATION AND UNDERGROUND TRENCHING. CONTRACTOR SHALL VERIFY WITH UTILITY LOCATING COMPANY THAT ALL UNDERGROUND UTILITY MARKING IS COMPLETE PRIOR TO BEGINNING UNDERGROUND WORK.
4. COORDINATE ALL WORK WITH OTHER TRADES AS REQUIRED.
5. COORDINATE AND SCHEDULE ALL EXCAVATION, TRENCHING, BACKFILL, CONCRETE WORK, LIGHT POLE ERECTION, AND OTHER SITE WORK WITH OWNER'S REPRESENTATIVE IN ADVANCE OF THIS WORK. THE CONTRACTOR SHALL GIVE SPECIAL CONSIDERATION TO ANY WORK INVOLVING SITE TRENCH, EXCAVATION, AND THE ASSOCIATED CONTROLLED ACCESS TO PARKING LOTS AND OTHER WORK AREAS.
6. CONTRACTOR SHALL PROVIDE AND PLACE TEMPORARY BARRIERS, WARNING CONES AND OTHER SUITABLE DEVICES TO ADEQUATELY PROTECT THE PUBLIC AND SCHOOL POPULATION FROM ANY AND ALL HAZARDS PRESENTED BY THE CONSTRUCTION OF THIS PROJECT, INCLUDING, BUT NOT LIMITED TO THE FOLLOWING: STORAGE OF MATERIALS AND EQUIPMENT, OPERATION OF TRENCHING EQUIPMENT AND MOTOR VEHICLES, OPEN TRENCHES AND POLE BASE CORE DRILLS, EXCAVATED MATERIAL & CONCRETE DELIVERY AND POUR.
7. CONTRACTOR SHALL REVIEW PROTECTION PLAN WITH OWNER'S REPRESENTATIVE FOR APPROVAL, PRIOR TO BEGINNING WORK.
8. CONTRACTOR SHALL COORDINATE AND REVIEW DELIVERY AND PLACEMENT OF ALL ELECTRICAL MATERIALS AND EQUIPMENT TO THE SITE WITH OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO DELIVERY.
9. CONTRACTOR SHALL COORDINATE AND REVIEW SCHEDULE AND PLACEMENT FOR EQUIPMENT OPERATION FOR PROJECT CONSTRUCTION WITH OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO PERFORMING THIS WORK. PROTECTION OF THE PUBLIC AND SCHOOL POPULATION BY LIMITING ACCESS TO THE WORK AREAS SHALL BE REVIEWED WITH THE OWNER'S REPRESENTATIVE FOR APPROVAL.
10. CONTRACTOR SHALL COORDINATE ALL WORK IN THE PARKING LOT AREA WITH OWNER'S REPRESENTATIVE, TO AVOID CONFLICT WITH ANY OTHER ACTIVITIES OR FUNCTIONS THAT REQUIRE ACCESS TO THE PARKING LOT AREA DURING THE CONSTRUCTION.
11. CONTRACTOR SHALL COORDINATE ALL WORK IN CONSTRUCTION AREAS WITH OWNER'S REPRESENTATIVE, TO AVOID CONFLICT WITH ANY OTHER ACTIVITIES OR FUNCTIONS IN OR ADJACENT TO THESE AREAS.
12. ALL ELECTRICAL ITEMS, FIXTURES AND EQUIPMENT SHALL BE UL LISTED.
13. VOLTAGE DROP IN BRANCH CIRCUITS SHALL NOT EXCEED 3%.
14. ALL JUNCTION BOX COVERS WILL BE MARKED USING "SHARPIE" OR "MARKSALOT" INDICATING THE PANEL AND CIRCUIT #'S CONTAINED WITHIN THE JUNCTION BOX.
15. LIQUIDTIGHT FLEXIBLE CONDUIT (LFMC) SHALL BE USED FOR CONNECTIONS TO OUTSIDE MECHANICAL EQUIPMENT.

INTERIM REVIEW ONLY
Document incomplete: Not intended for permit, bidding or construction.
Engineer: Dean Alderson
P.E. Reg. No. 54441
Firm: Alderson & Associates, F-1008

PROJECT # 17065

Alderson & Associates, Inc.
7700 Torino St, Suite 101
San Antonio, TX 78229
Telephone: 210.614.1110

FILE:

DATE:

C•F•Z Group LLC
Cultures • Extensions • Zones
Landscape Architecture & Planning
7410 John Smith, Suite 208
San Antonio, Texas 78229
210-366-1911/210-366-0044 fax

PARK IMPROVEMENTS
HARLANDALE PARK BASKETBALL CANOPY
300 SUSSEX AVE. San Antonio, Tx

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

DRAWN: AAI
CHECKED: LC
DATE: 10-30-17
JOB NO. 17-1092
REVISIONS :

SHEET TITLE
ELECTRICAL SITE PLAN

SHEET NO.
ES1.1

SHEET ____ OF ____

DRAWING ABBREVIATIONS

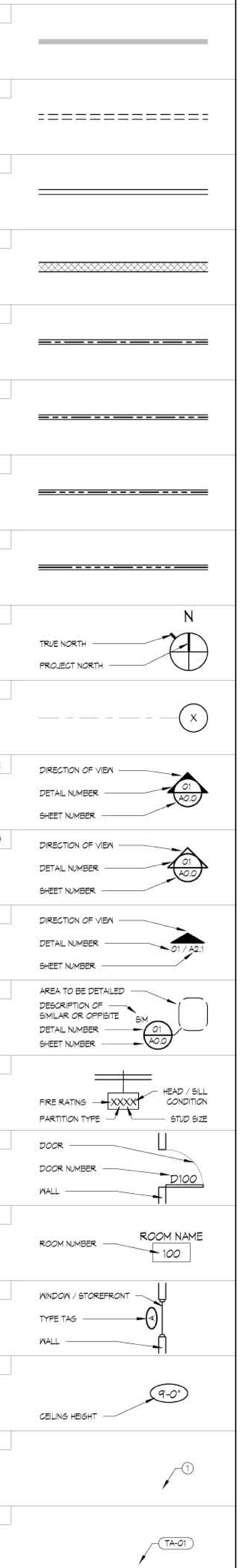
Abbreviation	Meaning
#	
Φ	DIAMETER
CL	CENTER LINE
#	POUND / NUMBER
&	AND
@	AT
∠	ANGLE
L	ANGLE
Φ	DIAMETER / ROUND
[	CHANNEL
A	
A/C	AIR CONDITIONING
AB	ANCHOR BOLT
ABV	ABOVE
ACBD	ACOUSTICAL BOARD
ACOUS	ACOUSTIC (AL)
ACT	ACOUSTICAL TILE
AD	AREA DRAIN
ADA	AMERICANS WITH DISABILITIES ACT
ADDL	ADDITIONAL
ADJ	ADJUSTABLE
ADR	ACCESS DOOR
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
AGG	AGGREGATE
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
ALUM	ALUMINUM
ANCH	ANCHOR
ANOD	ANODIZED
AP	ACCESS PANEL
APPROX	APPROXIMATE
ARCH	ARCHITECT
ASHP	ASPHALT
ASSY	ASSEMBLY
AUTO	AUTOMATIC
AV	AUDIO VISUAL
AVC	AUDIO VISUAL CONSOLE
B	
BALC	BALCONY
BC	BOTTOM OF CURB
B.M.	BENCH MARK
BD	BOARD
BETW	BETWEEN (BTWN)
BFF	BELOW FINISH FLOOR
BIT	BITUMINOUS
BLDG	BUILDING
BLK	BLOCK
BLW	BELOW
BLKG	BLOCKING
BM	BEAM
BOM	BOTTOM OF MULLION
BOR	BOTTOM OF REVEAL
BOT	BOTTOM
BRG	BEARING
BRJ	BRICK RELIEF JOINT
BRK	BRICK
BRKT	BRACKET
BRZ	BRONZE
BSMT	BASEMENT
BUR	BUILT-UP ROOFING
BYO	BY OWNER (FBO)
C	
C	COURSE
CS	CHANNELS
CAB	CABINET
CAR,CPT	CARPET
CB	CATCH BASIN
CEM	CEMENT
CER	CERAMIC
CHBD	CHALKBOARD
CI	CAST IRON / CONTINUOUS INSULATION
CIP	CAST-IN-PLACE
CJ	CONTROL JOINT
CL	CENTERLINE
CLG	CEILING
CLO	CLOSET
CLR	CLEAR
CMT	CERAMIC MOSAIC TILE
CMU	CONCRETE MASONRY UNIT
CO	CASED OPENING
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACT (OR) (CTR)
COORD	COORDINATE
CORR	CORRIDOR
CRTWL	CURTAIN WALL
CSK	COUNTERSUNK
CT	CERAMIC TILE
CPT	CARPET TILE
CTR	CENTER
CUFT	CUBIC FEET
CUYD	CUBIC YARDS
D	
DBL	DOUBLE
DET	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIST	DISTANCE
DIV	DIVISION
DF	DRINKING FOUNTAIN
DN	DOWN
DR	DOOR
DS	DOWNSPOUT
DTA	DOVETAIL ANCHOR
DTS	DOVETAIL SLOT
DW	DISHWASHER
DWF	DRYWALL FURRING
DWG	DRAWINGS
DWP	DRYWALL PARTITION
DWR	DRAWER
E	
E	EAST
EA	EACH
EDF	ELECTRIC DRINKING FOUNTAIN
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELAS	ELASTIC
ELEC	ELECTRICAL
ELEV	ELEVATOR / ELEVATION
EMER	EMERGENCY
ENCL	ENCLOSURE
EP	ELECTRICAL PANEL
EQ	EQUAL
EQUIP	EQUIPMENT
EWC	ELECTRICAL WATER COOLER
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPANSION
EXPANCH	EXPANSION ANCHOR
EXPBLT	EXPANSION BOLT
EXPO	EXPOSED
EXPANCH	EXPANSION ANCHOR
EXPBLT	EXPANSION BOLT
EXPO	EXPOSED
EXT	EXTERIOR
F	
F/	FOR
FA	FIRE ALARM
FAB	FABRICATE
FAS	FASTEN
FCP	FIRE CONTROL PANEL
FD	FLOOR DRAIN
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FLOOR
FFL	FINISH FLOOR
FGL	FIBERGLASS
FH	FIRE HYDRANT
FHC	FIRE HOSE CLOSET
FIN	FINISH
FIXT	FIXTURE
FLASH	FLASHING
FLM	FLOOR MAT
FLMTD	FLOOR MOUNTED
FLUOR	FLUORESCENT
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FOSH	FACE OF SHEATHING
FPRF	FIREPROOFING
FR	FRAME
FT	FOOT
FTG	FOOTING
FTVM	FUTURE T.V. MONITOR
FURR	FURRED (ING)
FUT	FUTURE
FV	FIELD VERIFY
G	
GA	GUAGE
GAL	GALLON
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GCT	GLAZED CERAMIC TILE
GL	GLASS
GND	GROUND
GR	GRADE
GRAN	GRANITE
GWB	GYPSUM WALL BOARD
GYP	GYPSUM
GYPPLAS	GYPSUM PLASTER
H	
HB	HOSE BIB
HC	HANDICAP
HD	HEAD
HDW	HARDWARE
HM	HOLLOW METAL
HNDRL	HANDRAIL
HORIZ	HORIZONTAL
HP	HIGH POINT
HR	HOUR
HT	HEIGHT
HVAC	HEATING / VENTILATION / AIR CONDITIONING
I	
ID	INSIDE DIAMETER
IN	INCH
INCAN	INCANDESCENT
INCL	INCLUDE
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
INV	INVERT
J	
JAN	JANITOR
JST	JOIST
JT	JOINT
K	
KIT	KITCHEN
KO	KNOCKOUT
KPL	KICKPLATE
L	
LAB	LABORATORY
LAM	LAMINATE
LAV	LAVATORY
L	
LB.	LAG BOLT
LB	POUND
LBL	LABEL
LDG	LANDING
LF	LINEAR FEET
LG	LONG
LH	LEFT HAND
LHR	LEFT HAND REVERSE
LMS	LIMESTONE
LNTL	LINTEL
LP	LOW POINT
LT	LIGHT
LTWT	LIGHT WEIGHT
LVR	LOUVER
LWC	LIGHT WEIGHT CONCRETE
M	
M	METER
MAS	MASONRY
MAX	MAXIMUM
MB	MARKER BOARD
MECH	MECHANICAL
MEMB	MEMBRANE
MET	METAL
METDK	METAL DECK
METL	METAL LATH
MEZZ	MEZZANINE
MFR	MANUFACTURER
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
ML	MODULE LINE / METAL LATH
MLDG	MOULDING
MLWK	MILLWORK
MM	MILLIMETER
MO	MASONRY OPENING
MOD	MODULE (AR)
MONO	MONOLITHIC
MP	MASONRY PARTITION
MR	MOP RACK
MRB	MARBLE
MT	METAL THRESHOLD
MTD	MOUNTED
MTG	MOUNTING
MTL	METAL
MULL	MULLION
MWP	MEMBRANE WATERPROOFING
N	
N	NORTH
NA	NOT APPLICABLE
NAT	NATURAL
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NPS	NOMINAL PIPE SIZE
NTS	NOT TO SCALE
O	
OH	OVERHEAD
O/	ON TOP OF OR OVER
OA	OVERALL
OC	ON CENTER
OF/CI	OWNER FURNISHED / CONTRACTOR INSTALLED
OF/OI	OWNER FURNISHED / OWNER INSTALLED
OD	OUTSIDE DIAMETER
OPNG	OPENING
OPP	OPPISITE
OPPH	OPPISITE HAND
P	
PBD	PARTICLE BOARD
PC	PIECE
PC	PRECAST
PCC	PRECAST CONCRETE
PCPLAS	PORTLAND CEMENT PLASTER
PERF	PERFORATED
PL	PLATE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLWD	PLYWOOD
PNL	PANEL
PNT	PAINT
POL	POLISHED
PR	PAIR
PROP	PROPERTY
PS	PROJECTION SCREEN
PT	POINT / PAINT
PTD	PAINTED
PTN	PARTITION
PTS	POINTS
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
Q	
QT	QUARRY TILE
QTY	QUANTITY
R	
R	RISER, RISERS, RADIUS
R/A	RETURN AIR
RAD	RADIUS
RB	RESILIENT BASE
RD	ROOF DRAIN
REF	REFER (ENCE)
REFL	REFLECTED
REINF	REINFORCE
REQ'D	REQUIRED
RES	RESILIENT
RET	RETURN
REV	REVISE, REVISION
RFG	ROOFING
RH	RIGHT HAND
RHR	RIGHT HAND REVERSE
R	
RL	RAIN LEADER
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RT	RESILIENT TILE
RTU	ROOF TOP UNIT
RUB	RUBBER
S	
S	SOUTH
SAFGL	SAFETY GLASS
SC	SOLID CARE
SCHED	SCHEDULE(D)
SD	STORM DRAIN
SEAL	SEALANT
SECT	SECTION
SEP	SEPARATE
SERV	SERVICE
SF	SAND FINISH, SQUARE FEET
S.F.	STOREFRONT
SHLVS	SHELVES
SHT	SHEET
SIM	SIMILAR
SK	SINK
SM	SMOOTH
SND	SANITARY NAPKIN DISPENSER
SNT	SEALANT
SP	STANDPIPE
SPCL	SPECIAL
SPEC	SPECIFICATIONS, SPECIFIED
SPK	SPEAKER
SQ	SQUARE
SS	STAINLESS STEEL
SSK	SERVICE SINK
SSTL	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURE (AL)
SURF	SURFACE
SUSP	SUSPEND(ED)
SUSPCLG	SUSPENDED CEILING
SYS	SYSTEM
T	
T	TREAD
T&G	TONGUE AND GROOVE
TA	TOILET ACCESSORY
TB	TOWEL BAR
TC, TOC	TOP OF CURB / CONCRETE
TEL	TELEPHONE
TEMP	TEMPERED, TEMPERATURE
TERR	TERRAZO
THD	THREAD
THK	THICK
THRES	THRESHOLD
TKBD	TACKBOARD
TOM	TOP OF MULLION
TOP	TOP OF PARAPET
TOR	TOP OF REVEAL
TOS	TOP OF STEEL
TOSL	TOP OF SLAB
TPD	TOILET PAPER DISPENSER
TRANS	TRANSPARENT
TRAV	TRAVERTINE
TTB	TELE. TERMINAL BOARD
TV	TELEVISION
TVM	T.V. MONITOR
TVP	T.V. PROJECTOR
TW	TOP OF WALL
TYP	TYPICAL
U	
UC	UNDERCUT
UFV	UNDERFLOOR VENT
UL	UDERWRITERS LABORATORY
UNF	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
UTIL	UTILITY
V	
VAR	VARIES
VB	VAPOR BARRIER
VC	VALVE CABINET
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VIN	VINYL
VP	VISION PANEL
VWC	VINYL WALL COVERING
W	
W	WEST
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WDW	WINDOW
WH	WALL HUNG
WI	WROUGHT IRON
WP	WORK POINT
WP / WPFG	WATERPROOFING
WPT	WORK POINT
WSCT	WAINSCOT
WT	WEIGHT
WTW	WALL TO WALL
WWF	WELDED WIRE FABRIC
Y	
YD	YARD

MATERIAL PATTERNS

- CONCRETE / PRECAST CONCRETE
- EARTH (CUT)
- SAND, EIFS FINISH COAT, CEMENT PLASTER
- BRICK (CUT)
- CONCRETE MASONRY UNIT (CUT)
- STONE (CUT)
- FIBERGLASS SEMI-RIGID INSULATION
- MINERAL WOOL SEMI-RIGID INSULATION
- EXPANDED POLYSTYRENE RIGID INSULATION
- EXTRUDED POLYSTYRENE RIGID INSULATION
- POLYISOCYANURATE RIGID INSULATION
- FIBERGLASS BATT INSULATION
- GYPSUM BOARD
- EXTERIOR GYPSUM SHEATHING
- COATED GLASS MAT WATER RESISTANT GYPSUM BOARD
- EXTERIOR CEMENT BOARD
- PLYWOOD

DRAWING SYMBOLS

- EXISTING WALL TO REMAIN
- EXISTING WALL TO BE DEMOLISHED
- NEW WALL
- PLUMBING WALL
- 1-HOUR FIRE-RATED WALL
- 2-HOUR FIRE-RATED WALL
- 3-HOUR FIRE-RATED WALL
- 4-HOUR FIRE-RATED WALL
- NORTH ARROW
- COLUMN GRID ID
- BLDG SECTION HEAD / EXTERIOR ELEVATION
- WALL SECTION HEAD / DETAIL SECTION HEAD
- INTERIOR ELEVATION MARKER
- ENLARGED PLAN / DETAIL CALLOUT
- PARTITION TYPE TAG
- DOOR TAG
- ROOM IDENTIFICATION TAG
- WINDOW / STOREFRONT TAG
- CEILING HEIGHT TAG
- KEYNOTE TAG
- TOILET ACCESSORY TAG



ARCHITECT: GERARDO G. NORIEGA,
AIA REGISTRATION NUMBER: 18918
NOT FOR REGULATORY APPROVAL,
PERMITTING , OR CONSTRUCTION

GNA ARCHITECTURE

GNA Architecture
300 Convent Street, Suite 1330,
San Antonio, Texas 78205
p. 210.298.7800

C•F•Z Group LLC
Coltrane • Fernandez • Zavala
Landscape Architecture
& Planning
7410 John Smith, Suite 208
San Antonio, Texas 78229
210-366-1911/210-366-0044 fax

PARK IMPROVEMENTS
HARLANDALE PARK BASKETBALL CANOPY
300 SUSSEX AVE. San Antonio, Tx

DRAWN: RD
CHECKED:GN
DATE: 10-30-17
JOB NO. 17-005
REVISIONS :

SHEET TITLE
DRAWING SYMBOLS & ABBREVIATIONS

SHEET NO.
G0.1

SHEET____OF____

10/31/2017 12:14:29 PM

HISTORIC & DESIGN REVIEW COMMISSION APPLICATION FORM

Print Form

CITY OF SAN ANTONIO

OFFICE OF HISTORIC PRESERVATION
1901 S. ALAMO, SAN ANTONIO, TEXAS 78204
P: 210.215.9274 E: OHP@SANANTONIO.GOV

DATE RECEIVED

Date Complete:
Staffs Initials:
Date of Scheduled HDRC Meeting:
60 Day Review:

Property Address: 300 Sussex Ave, San Antonio TX

Historic District: | Landmark Name:

☐ River Improvement Overlay ☑ Public Property ☐ Other

Parcel ID: NCB 10026 Block 0 Lot A Zoning MF-33

Name of Property Owner: City of San Antonio Parks and Recreation Dept.

Mailing Address: PO Box 839966 Zip Code 78283

Phone Number: 210-207-4131 Email Address: Eric.Reyna@sanantonio.gov

Name of Applicant/Authorized Representative: Cullen Coltrane

Mailing Address: 7410 John Smith Dr, San Antonio TX Zip Code 78229

Phone Number: 210-366-1911 Email Address: ccoltrane@cfzgroup.com

BELOW PROVIDE A DETAILED DESCRIPTION OF THE PROJECT (USE AN ADDITIONAL PAGE IF NECESSARY)

☐ Conceptual Approval ☑ Final Approval Original HDRC Hearing Date:

It is proposed that the existing outdoor basketball court to receive a shade structure to cover the entire court. It is also proposed that a drinking fountain and bike rack to be added to the site.

SEE THE FOLLOWING PAGE FOR REQUIRED EXHIBITS. NO CASE WILL BE SCHEDULED FOR A HEARING UNTIL ALL SUPPORTING MATERIALS ARE RECEIVED.

This completed form and attachments are to be submitted in person to 1901 S. Alamo.

REQUIRED ATTACHMENTS: (No case will be scheduled for a hearing until all supporting materials are received.)

- ☐ **ONE ORIGINAL PRINTED COPY OF ALL MATERIALS LISTED BELOW**
- ☐ **COPY OF ALL EXHIBITS, DRAWINGS, AND PHOTOS ON A COMPACT DISC IN PDF OR JPEG FORMAT**
- ☑ Completed HDRC Application
- ☐ Photos of all sides of the structure and site (color photos no smaller than 4" X 6")
- ☑ Written narrative explaining the proposed work
- ☑ Site plan
- ☐ Elevation drawings and floorplans of planned addition or alterations (8 1/2" X 11" reproducible sheets)
- ☑ Specifications of materials to be used
- ☐ Documentation of all materials, finishes, and/or fabrics
- ☐ Signage mock-up
- ☐ FEES: Commercial Projects: $100; Sign Applications: $100

TIP: Submit sufficient materials and information so that someone would be able to understand your project without speaking with you.

LETTER OF AUTHORIZATION

IF THE PROPERTY OWNER DOES NOT APPEAR PERSONALLY BEFORE THE COMMISSION, A LETTER OR SIGNATURE OF AUTHORIZATION MUST BE PRESENTED TO THE HISTORIC PRESERVATION OFFICER OR THE CASE WILL NOT BE HEARD.

I hearby authorize Cullen Coltrane (Name of Representative) of CFZ Group (company or agency)

7410 John Smith Dr, San Antonio TX 78229 (Address) to represent me in the matters pertaining to this case.

PLEASE BE ADVISED THAT THE COMMISSION HAS A POLICY OF ONLY HEARING A CASE WHEN THE OWNER OR THE OWNER'S REPRESENTATIVE IS PRESENT TO PRESENT THE CASE.

A STAFF MEMBER FROM THE OFFICE OF HISTORIC PRESERVATION MAY VIDEO TAPE OR PHOTOGRAPH YOUR PROPERTY FOR THE HISTORIC AND DESIGN REVIEW COMMISSION MEETING AND PLACE A NOTICE SIGN ON THE PROPERTY.

Applicant understands the following:

1. If the Commission fails to approve any portion of a request and recommends that changes be made in the plans and specifications, the applicant will have (5) days in which to inform the Historic Preservation Officer as to whether the applicant agrees to recommended changes.
2. Following each meeting, the City Manager or designee is notified of the Commission's action. Within ten (10) days from receipt of the recommendation, the City Manager or designee shall notify the applicant as to whether their request has been approved, conditionally approved, or denied.
3. If the applicant does not concur with the Commission's recommendation, appeal to the Zoning Board of Adjustment may be made within thirty (30) days after receipt of notification.

APPROVAL BY THE COMMISSION DOES NOT TAKE THE PLACE OF A BUILDING PERMIT. PERMITS MUST BE OBTAINED FROM THE CITY OF SAN ANTONIO, DEPARTMENT OF PLANNING AND DEVELOPMENT SERVICES, 1901 S. ALAMO, AFTER COMMISSION APPROVAL.

I HAVE READ AND UNDERSTAND THE ABOVE INFORMATION AND I CERTIFY TO THE BEST OF MY KNOWLEDGE THAT ALL INFORMATION PROVIDED IN THIS APPLICATION AND ATTACHMENTS IS CORRECT.

Eric Vincent Reyna COSA PM
SIGNATURE OF PROPERTY OWNER

2.21.18
DATE

HARLANDALE PARK BASKETBALL CANOPY

80% CD'S
NOT FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION
CULLEN P. COLTRANE
LANDSCAPE ARCHITECT LICENSE NO. 1784
OCTOBER 31, 2017

C•F•Z Group LLC
Landscape Architecture & Planning
7410 John Smith, Suite 208
San Antonio, Texas 78229
210-366-1191/210-366-0044 fax

PARK IMPROVEMENTS

HARLANDALE PARK BASKETBALL CANOPY

300 SUSSEX AVE. San Antonio, Tx

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

DRAWN:	DO
CHECKED:	CC
DATE:	08-22-17
JOB NO.	17-1092
REVISIONS :	

SHEET TITLE

AERIAL PLAN

SHEET NO.

L0.0

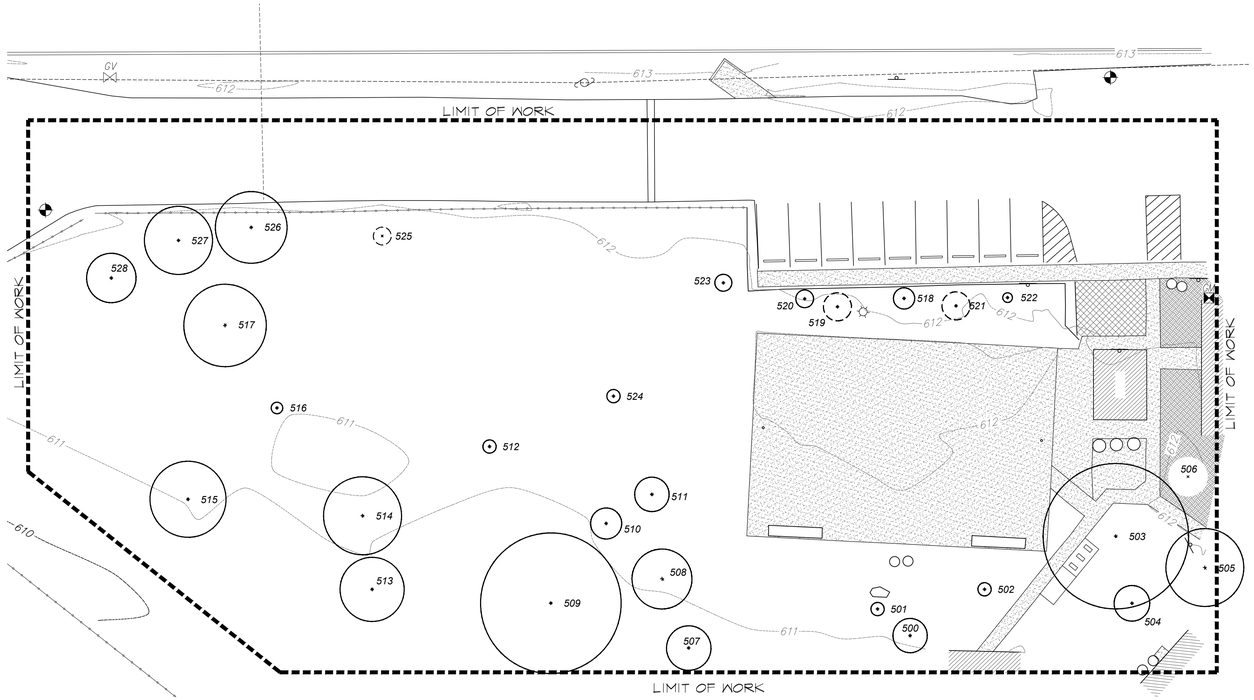
SHEET ____ OF ____

FILE:

DATE:

Date: Nov 01, 2017, 11:19am User ID: cfz9
File: S:\17-1092\Dwgs\CAD\80% CDs\Landscape\17-1092-Landscape.dwg

TREE PRESERVATION SCHEDULE				TREES							SMALL TREE SPECIES				TREES 2.5" - <6"	
TREE NUMBER	DIAMETER BREAST HEIGHT	SPECIES	FIELD NOTE	SIGNIFICANT TREES 6" - <24" (@40% MIN.)		SIGNIFICANT TREES 10" - <24" (@40% MIN.)		HERITAGE TREES 24"+ (@100%)			SIGNIFICANT TREES 5" - <12" (@40% MIN.)		HERITAGE TREES 12"+ (@100%)			
				TO REMAIN	TO BE REMOVED	TO REMAIN	TO BE REMOVED	TO REMAIN	TO BE REMOVED (3:1)	TO BE REMOVED (1:1)	TO REMAIN	TO BE REMOVED	TO REMAIN	TO BE REMOVED	TO REMAIN	TO BE REMOVED
500	9"	MESQUITE				9										
501	4"	OAK													4	
502	4"	OAK													4	
503	37"	ASH						37								
504	9"	MESQUITE				9										
505	21"	MESQUITE				21										
506	7"	RETAMA		7												
507	12"	MESQUITE				12										
508	17"	MESQUITE				17										
509	30"	MESQUITE						30								
510	9"	MESQUITE				9										
511	10"	MOUNTAIN LAUREL									10					
512	4"	LIVE OAK													4	
513	18"	MESQUITE				18										
514	21"	MESQUITE				21										
515	21"	MESQUITE				21										
516	4"	UNKNOWN													4	
517	24"	MESQUITE						24								
518	6"	MOUNTAIN LAUREL									6					
519	6"	MOUNTAIN LAUREL										6				
520	5"	HOLLY													5	
521	6"	MOUNTAIN LAUREL										6				
522	3"	HOLLY													3	
523	5"	OAK													5	
524	6"	UNKNOWN		6												
525	5"	LIVE OAK														5
526	21"	MESQUITE				21										
527	18"	MESQUITE				18										
528	13"	MESQUITE				13										
SUB-TOTAL INCHES:				13	0	189	0	91	0	0	16	12	0	0	29	5
TOTAL ON-SITE INCHES:				202				91			28		0			
MIN. REQUIRED PRESERVED INCHES:				80				91			11.2		0			
TOTAL INCHES PRESERVED:				202				91			28		0			
% INCHES PRESERVED:				100.00%				100.00%			57%		0.00%			
SURPLUS INCHES:				122				0			4		0			



1 TREE PRESERVATION PLAN
SCALE: 1"=20'-0"

80% CD'S
NOT FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION
CULLEN P. COLTRANE
LANDSCAPE ARCHITECT LICENCE NO. 1784
OCTOBER 31, 2017

C•F•Z Group LLC
Cultivate • Experience • Create
Landscape Architecture & Planning
7410 John Smith, Suite 208
San Antonio, Texas 78229
210-366-1911 / 210-366-0044 fax

PARK IMPROVEMENTS
HARLANDALE PARK BASKETBALL CANOPY
300 SUSSEX AVE. San Antonio, Tx

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

DRAWN: DO
CHECKED: CC
DATE: 08-22-17
JOB NO. 17-1092
REVISIONS :

SHEET TITLE
TREE PRESERVATION PLAN

SHEET NO.
L1.0
SHEET ____ OF ____

Date: Nov 01, 2017, 11:35am User ID: cfz9
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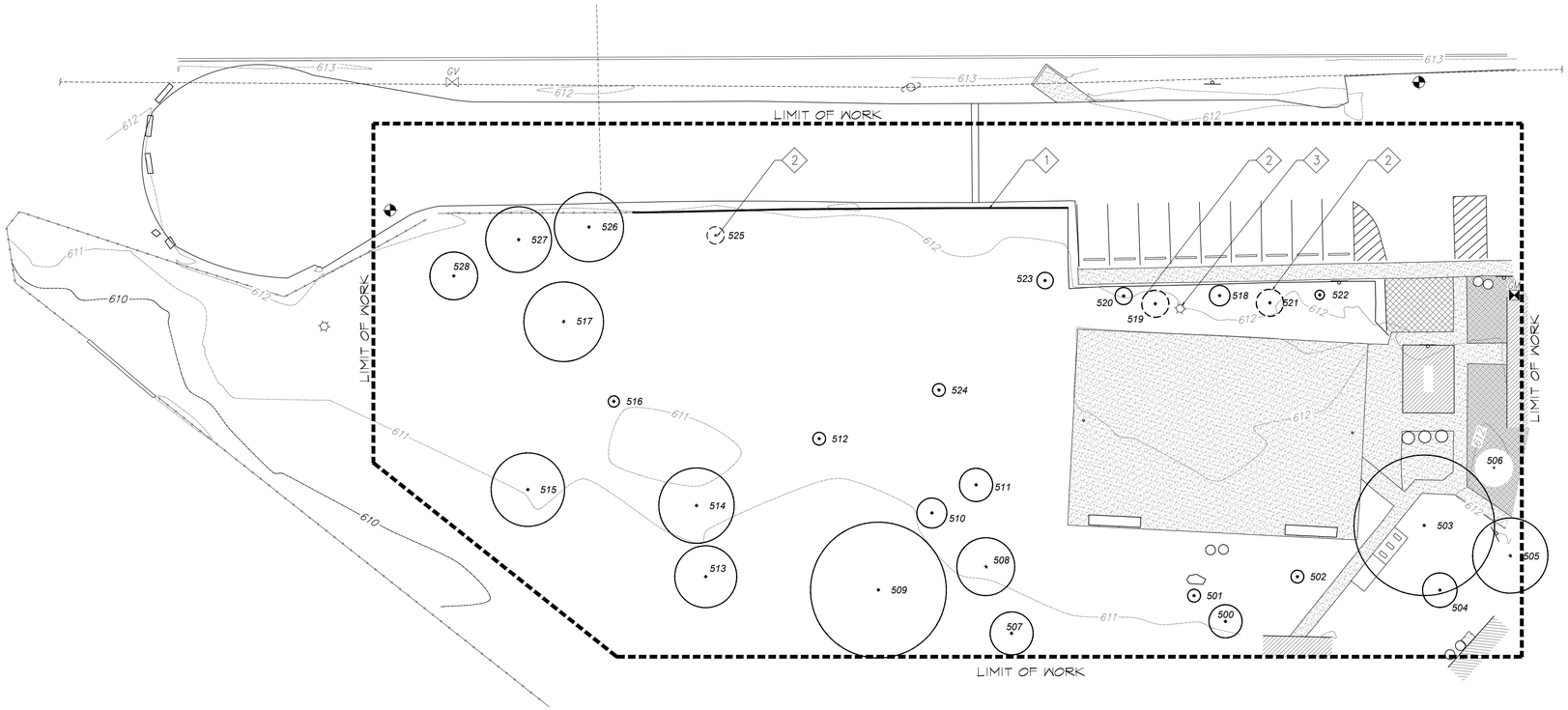
DATE:



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

DEMOLITION NOTES: (# Keyed Notes)

1. EXISTING CHAIN LINK FENCE TO BE REMOVED ALONG NEW PARKING
2. REMOVE TREES
3. EXISTING POWER LINE POLE TO BE CUT AND HAULED OFF SITE. POWER TO BE CAPPED AND USED AT A LATER TIME.

80% CD'S
NOT FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION
ALLEN P. CELTANE
LANDSCAPE ARCHITECT LICENCE NO. 1784
OCTOBER 31, 2017

Date: Nov 01, 2017, 11:36am User ID: cfz9
File: S:\17-1092\Dwgs\CAD\80% CDs\Landscape\17-1092-Landscape.dwg

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300 SUSSEX AVE. San Antonio, Tx

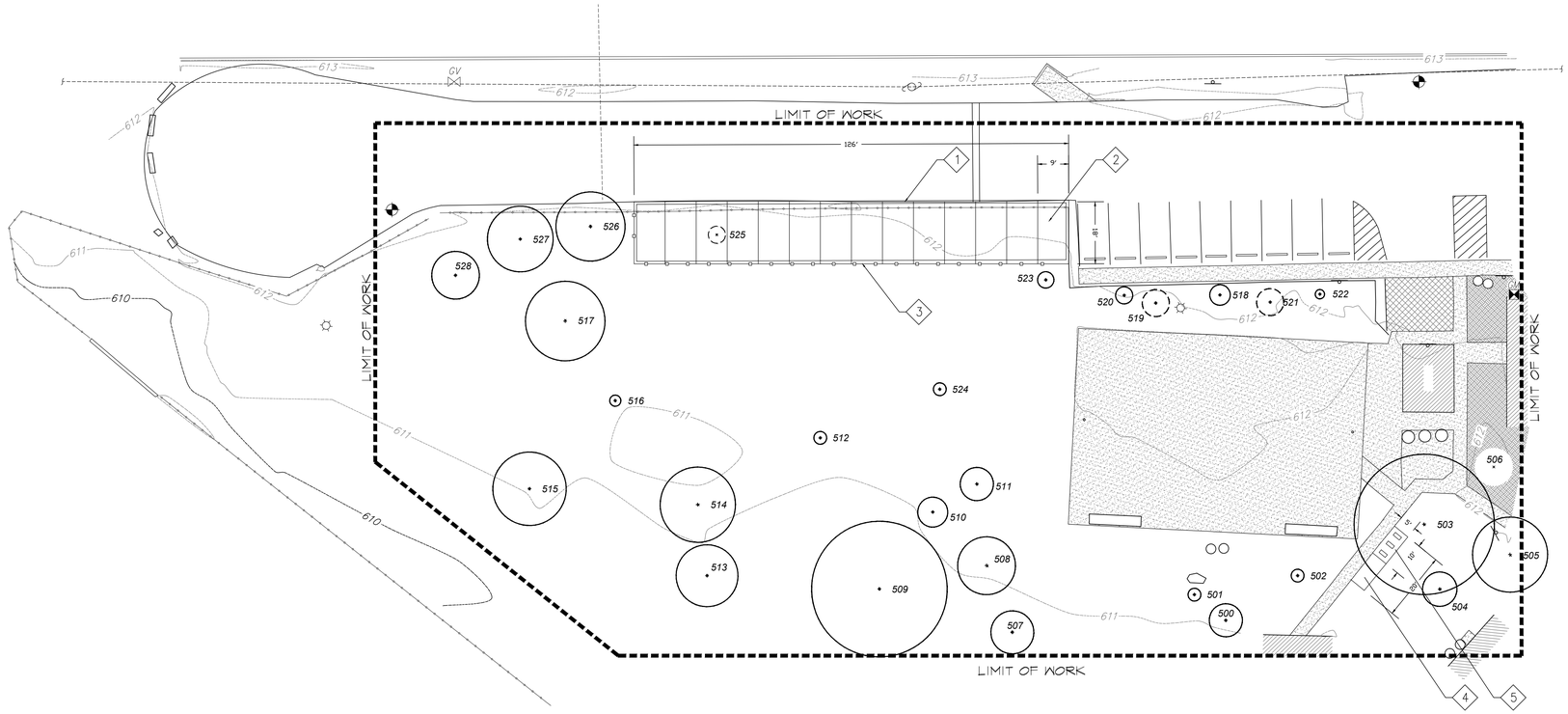
CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

DRAWN:	DO
CHECKED:	CC
DATE:	08-22-17
JOB NO.	17-1092
REVISIONS :	

SHEET TITLE
DEMOLITION PLAN

SHEET NO.
L2.0
SHEET ____ OF ____

FILE:
DATE:



STAKING AND DIMENSION NOTES: (◇# Keyed Notes)

1. FLUSH CURB - SEE SHEET L4.0/DETAIL 7
2. TURF PARKING WITH 14 SPACES - SEE SHEET L4.0/DETAIL 8
3. POST AND CABLE FENCE - SEE SHEET L4.0/DETAIL 5
4. CONCRETE FOOTING FOR DRINKING FOUNTAIN
5. BIKE RACK - SEE SHEET L4.0/DETAIL 3

1 STAKING AND DIMENSION PLAN
SCALE: 1"=20'-0"

80% CD'S
NOT FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION
CULLEN P. COLTRANE
LANDSCAPE ARCHITECT LICENSE NO. 1784
OCTOBER 31, 2017

FILE:

DATE:

Date: Nov 01, 2017, 11:38am User ID: cfz9
File: S:\17-1092\Dwgs\CAD\80% CDs\Landscape\17-1092-Landscape.dwg

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PARK IMPROVEMENTS
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300 SUSSEX AVE. San Antonio, Tx

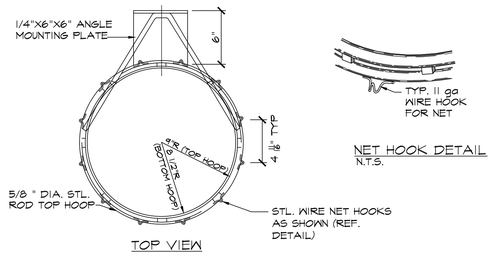
CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

DRAWN: DO
CHECKED: CC
DATE: 08-22-17
JOB NO. 17-1092
REVISIONS :

SHEET TITLE
STAKING AND DIMENSION PLAN

SHEET NO.
L3.0

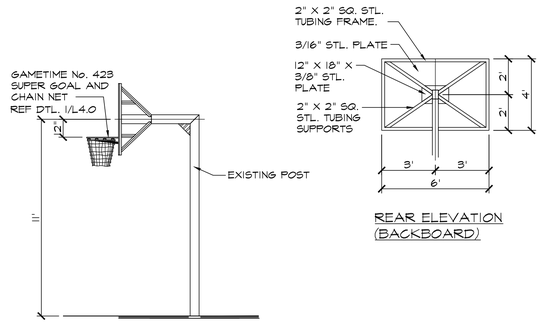
SHEET ____ OF ____



NOTE:
WELD ALL CONNECTIONS

NET HOOK DETAIL
N.T.S.

1 BASKETBALL GOAL - HOOP
SCALE: 1-1/2"=1'-0"

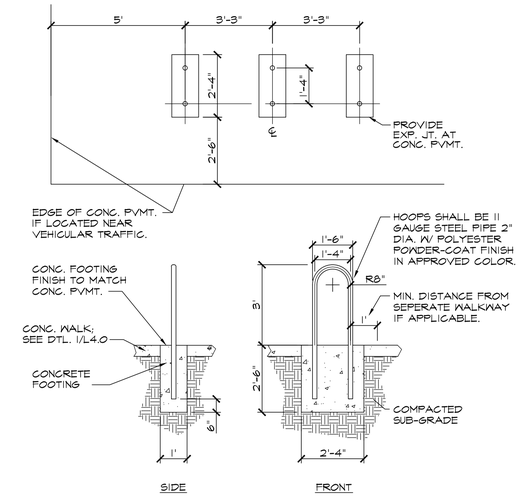


SIDE ELEVATION

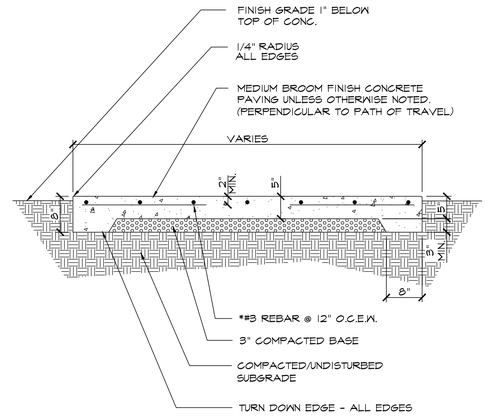
NOTES:

1. BASKETBALL GOALS TO BE OF WELDED CONSTRUCTION. ALL WELDS TO BE CONTINUOUS AND SHALL COMPLY WITH AMERIAN WELDING SOCIETY CODE A.W.S. D1-1-72 GRIND ALL WELDS TO A NEAT SURFACE. REF. SPECS.
2. BOLT GOAL TO BACKBOARD & SECURE NUTS WITH SPOT TACK WELD.

2 BASKETBALL GOAL - BACK BOARD
SCALE: 1/4"=1'-0"

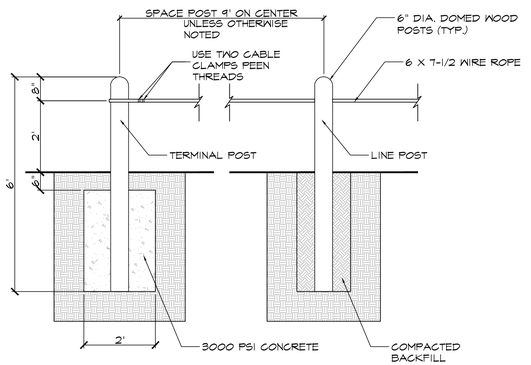


3 BIKE RACK DETAIL
SCALE: 3/8"=1'-0"

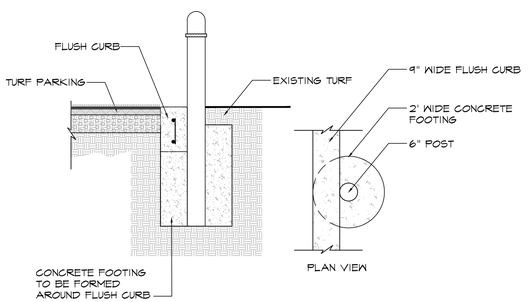


4 TYPICAL CONCRETE SIDEWALK
SCALE: 3/4"=1'-0"

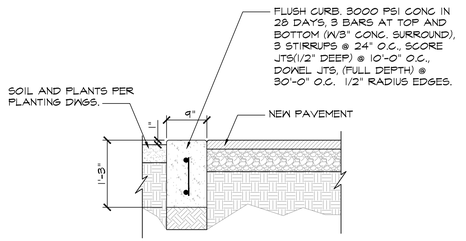
NOTE: POSTS TO BE TREATED PINE WITH NATURAL FINISH.



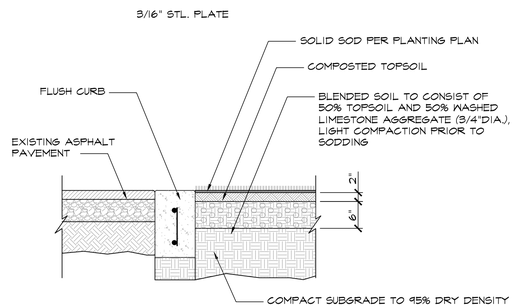
5 POST AND CABLE BARRICADE DETAIL
SCALE: 1/2"=1'-0"



6 POST AND CABLE / FLUSH CURB
SCALE: 1/2"=1'-0"



7 SECTION FLUSH CURB
SCALE: 3/4"=1'-0"



8 SECTION TURF PARKING
SCALE: 3/4"=1'-0"

80% CD'S
NOT FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION
ELLEN P. CELTHANE
LANDSCAPE ARCHITECT LICENCE NO. 1784
OCTOBER 31, 2017

C•F•Z Group LLC
Landscape • Architecture • Planning
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PARK IMPROVEMENTS
HARLANDALE PARK BASKETBALL CANOPY
300 SUSSEX AVE. San Antonio, Tx

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

DRAWN: DO
CHECKED: CC
DATE: 08-22-17
JOB NO. 17-1092
REVISIONS :

SHEET TITLE
SITE DETAILS

SHEET NO.
L4.0
SHEET ____ OF ____

FILE:
DATE:

Date: Nov 01, 2017, 9:25am User ID: clf9
File: S:\17-1092\Dwgs\CAD\80% CDs\Landscape\17-1092-Landscape.dwg

S T R U C T U R A L   N O T E S

1000 COORDINATION

A. The Contractor shall compare the Architectural, Structural, Mechanical, Electrical, Plumbing, and other series drawings and report any discrepancies between each set of drawings and within each set of drawings prior to fabrication and installation of any structural members.

B. Compatibility of the structure and provisions for building equipment supported on or from structural components shall be verified as to size, dimensions, clearances, accessibility, weights and reaction with the equipment for which the structure has been designed prior to submission of shop drawings and data for each piece of equipment and for structural components. Differences shall be noted on the submittals.

C. The details designated as "Typical Details" apply generally to the Structural Drawings in all areas where conditions are similar to those described in the details.

D. All dimensions and conditions of existing construction shall be verified at the job site prior to the preparation of shop drawings. Differences between existing construction and that shown on the Structural Drawings shall be referred to the Architect. Differences shall also be clouded on the shop drawings.

E. All structural elements of the project have been designed by the Engineer to resist the required Code vertical and lateral forces that could occur in the final completed structure only. It is the responsibility of the Contractor to provide all required bracing during construction to maintain the stability and safety of all structural elements during the construction process until the lateral-load resisting or stability-providing system is completely installed and the structure is completely tied together. Temporary supports shall not result in the overstress or damage of the elements to be braced nor any elements used as brace supports.

F. The Contract Structural Drawings and Specifications represent the finished structure, and except where specifically shown, do not indicate the means or methods of construction. The Contractor and their Sub-Contractors shall supervise and direct the Work and shall be solely responsible for all construction means, methods, procedures, techniques, sequences and safety measures including, but not limited to, adherences to all OSHA guidelines. The Engineer shall not have control of, and shall not be responsible for, construction means, methods, techniques, sequences or procedures, for safety precautions and programs in connection with the Work, for the acts or omissions of the Contractor, Subcontractors, or any other person performing any of the Work, or for the failure of any of these persons to carry out the Work in accordance with the Structural Contract Documents.

G. Where conflict exists among the various parts of the Structural Contract Documents, Structural Drawings, General Notes, and Specifications, the strictest requirements, as indicated by the Engineer, shall govern.

H. Periodic site observation by field representatives of Intelligent Engineering Services, LLP (IES) is solely for the purpose of determining if the Work is proceeding in accordance with the Structural Contract Documents. This limited site observation is not intended to be a check of the quality or quantity of the Work, but rather a periodic check in an effort to inform the Owner against defects and deficiencies in the work of the Contractor.

1010 SUBSTITUTIONS

A. All requests for substitutions of materials or details shown in the Structural Contract Documents shall be submitted for approval during the bidding period.

B. Once bids are accepted, proposed substitutions will be considered only when they are officially submitted with an identified savings or duration to be deducted from the contract and/or schedule impact. Submittals not satisfying the above criteria will not be reviewed.

1015 MAINTENANCE STATEMENT

A. All structures require periodic maintenance to extend lifespan and to insure structural integrity from exposure to the environment. A planned program of maintenance shall be established by the building owner. This program shall include such items as but not limited to painting of structural steel, protective coating for concrete, sealants, caulked joints, expansion joints, control joints, and spalls and cracks in concrete.

1020 CODES

A. The General Building Code used as the basis for the structural design is as follows:

City of San Antonio Building Code (2015 International Building Code with City of San Antonio Amendments)

1030 IBC 2015 DESIGN LOADS

A. Dead Loads include the self-weight of the structural elements and the following superimposed loads:

Lighting at roof	5 psf
Roofing panels	8 psf

B. Roof Live Loads

ROOF USE	ROOF LIVE LOAD UNIFORM	ROOF LIVE LOAD CONCENTRATED
Ordinary Flat, Pitched, and Curved Roofs	20 psf	N/A

Notes:

1. Roof live load has been reduced according to the General Building Code using the formula:

$L_r = L_o \times R_1 \times R_2$

Where L_r = Reduced live load per square foot of horizontal projection supported by the member.
L_o = Unreduced design roof live load per square foot of horizontal projection supported by the member.
R_1 = Reduction factor based on Tributary Area
R_2 = Reduction factor based on Roof Slope

C. Snow loads

Ground snow load, P_g	5 psf

D. Wind loads

1. Wind lateral load on structural frame is based on ASCE 7 using the following:

Ultimate Design Wind Speed (V_{ult})	115 mph
Nominal Design Wind Speed (V_{asd})	90 mph
Exposure Category	C
Internal Pressure Coefficient, GCpi	+/-0.18
Risk Category	II

2. Ultimate Level Components and Cladding Wind Pressures:

Surface	(psf)	Zone	Area, A_t (ft^2)
Exterior	+28.2	Interior and edge	10 or less
Walls	-31.0	Interior	10 or less
	-39.5	Edges	10 or less
	+19.7	Interior and edge	500 or greater
	-22.6	Interior and edge	500 or greater
Roof*	+16	Interior, edges, and corners	10 or less
	-28.2	Interior	10 or less
	-50.8	Edges	10 or less
	-79.0	Corners	10 or less
	+16	Interior	100 or greater
	-25.4	Interior	100 or greater
	-31.0	Edges and corners	100 or greater

1. Pressures for Tributary Areas in between the listed values may be linearly interpolated.
2. Negative value signifies pressure acting away from the surface (suction).
3. Edge and Corner zone distances shall be determined in accordance with referenced standard.
4. Pressures on parapets shall be determined by combining positive and negative wall pressures or wall and roof pressures listed above in accordance with the referenced standard.
5. Per code-defined ASD load combinations, nominal components and cladding wind pressures shall be taken as 60% of the listed "Ultimate Components and Cladding Wind Pressures.

* Pressures are for gross uplift conditions. Refer to roof plan(s) for net uplift values for design of joists, joist girders, and bridging.

F. Seismic Loads

1. The structure and structural components of the building have been designed in accordance with General Building Code with the following criteria:

Seismic Importance Factor, I_e	1.0
Risk Category	II
Mapped Spectral Response Accelerations	
S_s (g)	0.084
S_1 (g)	0.028
Site Class	D
Spectral Response Coefficients	
S_{DS}	0.089
S_{D1}	0.045
Seismic Design Category	A
Basic Seismic-force-resisting system	SOMF
Design Base Shear, V	N/A
Seismic Response Coefficient(s), C_s	N/A
Response Modification Factor(s), R	3 1/2
Analysis Procedure Used	ASCE7-10 □1.4.3

G. Load Combinations

1. Strength Design
   a. 1.4D
   b. 1.2D + 0.5(L_r or S or R)
   c. 1.2D + 1.6(L_r or S or R) + 0.5W
   d. 1.2D + 1.0W + 0.5(L_r or S or R)
   e. 1.2D + 1.0E + 0.2*S
   f. 0.9D + 1.0(W or E)

2. Allowable Stress Design:
   a. D
   b. D + (L_r or S or R)
   c. D + 0.75(L_r or S or R)
   d. D + (0.6W or 0.7E)
   e. D + 0.75(0.6W) + 0.75(L_r or S or R)
   f. D + 0.75(0.7E) + 0.75S
   g. 0.6D + (0.6W or 0.7E)

1040 BUILDING MOVEMENTS

A. The building movements specified herein are anticipated to occur and shall be taken into account by the Contractor in the design, detailing, and installation of the building elements.

B. Foundation movement: Provisions shall be made in the building structural framing for relative deflections between the soil-supported slab on grade and the roof level. Design of the building foundation is based on a range of [lower limit] 0 inch to [upper limit] 1 inch, based on the recommendations of the project geotechnical report.

1100 SUBMITTALS

A. Shop drawings shall be prepared for all structural items and submitted for review by the Engineer. Structural Drawings shall not be reproduced and used as shop drawings. All items deviating from the Structural Drawings or from previously submitted shop drawings shall be clouded.

B. Contractor shall review shop drawings for compliance with the Structural Drawings and shall certify that they have done so by a stamp noting that the drawings have been "Approved" and which bears the signature (or initials) of an authorized representative of the Contractor and the date. Submittals which do not reflect the Contractor's approval, signature and date will be returned without review.

C. Contractor shall be responsible for delays caused by rejection of inadequate shop drawings.

D. Where review and return of shop drawings is required or requested, the Engineer will review each submittal and, where possible, return within 2 weeks of receipt.

E. Corrections or comments on shop drawings or manufacturer's data sheets do not relieve the Contractor from compliance with requirements of the plans and specifications. Engineer's review is for general conformance with the requirements of the Structural Drawings. Contractor is responsible for confirming and correcting all quantities and dimensions, selecting fabrication processes and techniques of construction, and coordinating the work with that of all other contractors.

F. Refer to individual sections for specific submittal requirements.

G. Contractor shall submit electronically in pdf format. Submittals shall be generated electronically and will be commented upon electronically as to maintain clarity of the image file. Scans of hard copy submittals shall be legible, full size scans. All illegible scans or scans of contractor comments on reduced size prints will be rejected. Contractor will be responsible for providing and distributing Engineer's comments to their subcontractors.

2465 DRILLED PIERS

A. Pier design is based on the following design criteria:

1.	Allowable end bearing:	XX
2.	Side friction:	XX
3.	Uplift Side friction:	XX
4.	Side friction (uplift resistance):	XX
5.	Minimum penetration into bearing stratum:	XX

B. Pier design is in accordance with the recommendations in the following geotechnical report:

1.	Geotechnical engineer:	XX
2.	Date of report:	XX
3.	Report number:	XX

C. Bearing stratum shown on the pier details is [XX].

D. Piers not specifically located on the plan shall be located on centerline of column above. Where no column occurs, locate on centerline of wall or beam.

E. Provide dowels from piers into concrete above using same bar size and number as shown for pilaster above. Where no pilaster occurs, use dowels of same size and number as pier reinforcing steel. Extend dowels 30 bar diameters into pier and beam, wall, pilaster or column, unless noted otherwise on the Structural Drawings.

F. Elevation of top of piers, unless noted otherwise on the Structural Drawings, is at the bottom of the deepest intersecting beam or wall supported by the pier.

G. Reinforcing cage shall be held securely away from earth at sides and bottom by sets of 3 spacers at a maximum spacing of 8 ft. along the length of the cage and 1'-0" from the bottom.

H. Pier reinforcing and concrete shall be placed immediately after drilling operations are complete; in no case shall a pier be drilled that cannot be placed by the end of the workday.

I. See plans for pier sizes, reinforcing and depth.

J. The contractor shall verify depths of piers before pier steel is cut. Pier steel may be delivered to the jobsite in standard lengths and cut as required. Provide 64 bar diameter laps in all vertical pier reinforcing.

K. Reinforcing steel shop drawings shall include placing drawings for templates to set dowels in piers.

L. Top of pier shall be of the specified diameter. Form top of pier if required to maintain the specified diameter. Any concrete extending beyond the specified diameter shall be removed.

M. Temporary steel casing may be required during pier drilling operations. Prior to the placement of concrete, any seepage water shall be removed from the pier holes. Special construction procedures in accordance with ACI 336.1 and ACI 336.3R and specifications shall be followed during extraction of the casing and during concrete placement.

N. Contractor shall include in bid documents, unit-costs for casing if required and unit-cost for greater and lesser depth of drilling for each pier size.

O. All piers shall be inspected by a representative of [XX] in order to ensure that the proposed bearing material has been reached in accordance with the recommendations given in the geotechnical report.

P. The contractor shall make and maintain accurate records of the drilled pier depths, bearing stratum, depth of penetration into bearing stratum, diameter and location (including off center eccentricities), and shall submit this information to the Engineer.

INTELLIGENT ENGINEERING SERVICES
ENGINEERING COMMUNITIES FROM THE GROUND UP
10001 REUNION PLACE, SUITE 200 SAN ANTONIO, TEXAS 78216
210.349.9098 ie-services.com
IES JOB NO: 1172505 TBPE FIRM F-432

C•F•Z Group LLC
Coltrane • Fernandez • Zavala
Landscape Architecture & Planning
7410 John Smith, Suite 208
San Antonio, Texas 78229
210-366-1911/210-366-0044 fax

INTERIM REVIEW DOCUMENTS
(NOT INTENDED FOR BIDDING, PERMIT OR CONSTRUCTION PURPOSES)
MATTHEW FOX HOMER
TEXAS REGISTRATION No: 120615
DATE: ?

PARK IMPROVEMENTS
HARLANDALE PARK BASKETBALL CANOPY
300 SUSSEX AVE. San Antonio, Tx

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

DRAWN:	IES-STAFF
CHECKED:	MFH
DATE:	10-30-17
JOB NO.	17-1092
REVISIONS:	

SHEET TITLE
STRUCTURAL NOTES

SHEET NO.
S0.1

SHEET ____ OF ____

S T R U C T U R A L   N O T E S

2480 CONCRETE FOOTINGS

A. Concrete footing design is based on an allowable net bearing capacity of [XX] psf in accordance with the geotechnical report dated [XX] by [XX].

B. Bearing stratum shown on the footing details is [XX].

C. Footings not specifically located on the plan shall be located on centerline of pilaster or column above. Where no pilaster or column occurs, locate on centerline of wall or beam.

D. Footing excavations shall be to neat lines and shall be free of loose or wet materials.

E. Reinforcing steel shop drawings shall include placing drawings and templates to set dowels in footings.

F. All footings shall be inspected by a representative of [XX] in order to ensure that the proposed bearing material has been reached in accordance with the recommendations given in the geotechnical report and that the footing has been constructed to specified size, with detailed reinforcing, and to specified tolerances.

3000 CAST-IN-PLACE CONCRETE

A. Structural Concrete: Building Code Requirements for Structural Concrete, American Concrete Institute, ACI 318, as referenced by the General Building Code.

B. Classes of Concrete

1. All concrete shall conform to the requirements as specified in the table below, unless noted otherwise on the Structural Drawings:

2. Concrete Mix Schedule:

Conc. Class	Strength Psi	Agg. Type	Agg. Size	Slump Inches	Max w/c	Use
B	3000	NWT	1-1/2"	5-7	0.55	Drilled Piers & Footings

a. "NWT" refers to normal concrete having air dry unit weight of approximately 145 PCF (ASTM C33 aggregate).
b. Where the w/c ratio is shown, it shall be adhered to regardless of strength requirements.
c. "Strength" is required compressive cylinder strength at an age of 28 days.

C. Provide 5 percent plus or minus 1 1/2 percent of entrained air in concrete permanently exposed to the weather and elsewhere at the contractor's option.

D. Horizontal construction joints in concrete placements shall be permitted only where indicated on the Structural Drawings. Vertical construction joints are prohibited.

E. Embedded conduits, pipes, and sleeves shall meet the requirements of ACI 318, and the following:

1. Conduits, pipes, and sleeves passing vertically through a structural element shall utilize a sleeve not larger in outside dimension than 3 inches. The sleeve shall be made of hot dip galvanized schedule 40 steel.
2. Conduits, pipes and sleeves shall not be spaced closer than three diameters or widths on center.

J. Submittal: Submit proposed mix designs in accordance with ACI 301, chapter 4.2.3. Each proposed mix design shall be accompanied by a record of past performance or by three laboratory trial mixtures with confirmation tests.

F. Concrete sampling for quality assurance: Concrete that is pumped shall be sampled at the point of discharge from the truck for information, including slump; and shall be sampled at the point of placement for acceptance of slump and air content.

3200 CONCRETE REINFORCING

A. Concrete reinforcement for the project shall conform to the following:

1. All reinforcing steel shall be new billet steel in accordance ASTM A615, Grade 60, unless noted otherwise in the Structural Drawings or these notes.

B. Detailing of reinforcing steel shall conform to the American Concrete Institute 315 Detailing Manual and all hooks and bends in reinforcing bars shall conform to ACI detailing standards, unless noted otherwise on the Structural Drawings.

C. Welding of reinforcing steel will not be permitted unless specifically shown on the Structural Drawings.

D. Heat shall not be used in the fabrication or installation of reinforcement.
E. Reinforcing steel clear cover shall be as follows:

1. Drilled Piers 3"
2. Footings 3"

F. Submittal: Submit shop drawings for fabrication, bending, and placement of concrete reinforcement. Comply with ACI 315 "Details and Detailing of Concrete Reinforcement". Do not reproduce the Structural Drawings for use as shop drawings.

5100 STRUCTURAL STEEL

A. Structural Steel: Specification for Structural Steel Buildings, American Institute of Steel Construction Inc., ANSI/AISC 360, as referenced by the General Building Code.

B. Material

1. All hot rolled steel members shall be new and conform to ASTM specification A6.

C. ASTM Specification and Grade. Clearly mark the grade on each member

D. Unless Noted otherwise on the Structural Drawings, structural steel members shall be:

1. Structural steel plate shall conform to ASTM A36.

2. Headed stud shear connectors shall conform to ASTM A108.

E. Fabrication

1. Splicing of structural steel members is prohibited without prior approval of the Engineer as to location and type of splice to be made. Any member having splice(s) not shown and detailed on shop drawings will be rejected.

2. Dimensional tolerances of fabricated structural steel shall conform to Section 6.4 of the AISC Code of Standard Practice unless noted otherwise on the Structural Drawings.

3. Shop painting: Paint structural steel with one coat of manufacturer's standard red oxide primer applied at a rate to provide a uniform dry film thickness of 2.5 mils.

F. Erection

1. Erection tolerances of anchor bolts, embedded items, and all structural steel unless specified otherwise on the Structural Drawings shall conform to the AISC Code of Standard Practice.

G. Field cutting of structural steel or any field modifications to structural steel shall not be made without prior approval of the Engineer.

H. Contractor shall protect any unprimed structural steel from detrimental effects of corrosion, as required, until the steel is enclosed and protected by the new construction.

I. Hot dip galvanize after fabrication all structural steel items and connections permanently exposed to the weather, whether specified on the Structural Drawings or not. Such items include, but are not limited to:

1. Embedded plates in concrete exposed to the exterior

2. Examine the Architectural and Structural Drawings for other items required to be hot dip galvanized. Galvanize all nuts, bolts, and washers used in connection with such steel. Field welded connections shall have welds protected with "Z.R.C. Cold Galvanizing Compound" as manufactured by Z.R.C. Company.

J. Submittal: Provide drawings showing details for fabrication and shop assembly of members, erection plans and details. Include details of connections, camber, weld profiles and sizes and spacing. Shop and erection drawings shall not be made using reproductions of the Structural Drawings.

5110 STRUCTURAL STEEL CONNECTIONS

A. Welded Connections

1. All welding shall conform to ANSI/AWS D1.1, latest edition.

2. Fillet welds with no size specified shall be 3/16 inch or minimum size required by AISC, whichever is larger.

B. Bolted connections

1. Unless noted otherwise on the Structural Drawings, bolts shall be 3/4 inch diameter and conform to ASTM F3125 GR A325. Bolts shall be designed using values for bearing type bolts with thread allowed in the shear plane.

2. Bolts shall be tightened to "snug tight" as defined by AISC, unless noted otherwise on the Structural Drawings.

C. Structural steel connections not specifically detailed on the Structural Drawings shall be designed and detailed by the Contractor under the direct supervision of a Professional Engineer licensed in the State of Texas. Sealed calculations for all connections designed by the Contractor shall be submitted for the Architect's files.

D. In general, shop connections shall be bolted or welded and field connections shall be bolted.

E. Where indicated, connections shall be designed for the forces specifically provided. The shear force is indicated on the Structural Drawings as " ##k ". Tension is indicated as "T =_ ". Compression is indicated as "C =_ ". Horizontal shear is indicated as "H =_ ".

F. Short slotted holes shall be permitted provided washers are installed in accordance with AISC requirements. Washers shall be hardened where GR A325 bolts are utilized.

G. All beam shears, reactions, member forces, moments, etc. shown on the Structural Drawings are factored loads conforming to the requirements of AISC Load and Resistance Factor Design (LRFD).

H. Base Plates

1. Column base plates shall be set to the elevation indicated on the Structural Drawings and leveled using shims or by double nuts on anchor bolts. Base plates shall then be grouted with a non-shrink, high strength nonmetallic grout. Tighten anchor bolts after supported members have been positioned and plumbed.

2. Hole sizes in base plates shall be oversized per AISC section J3.2. Hole sizes may be increased to the recommended maximum size listed for anchor rods in base plate table 14-2 of the 14th edition of the AISC Steel Construction Manual provided that plate washers, as required by this table, are utilized.

3. Anchor rods shall be: ASTM F1554 Gr. 36.

I. For connections not specifically addressed by these notes or the Structural Drawings, provide fillet welds at all contact surfaces sufficient to develop the tensile strength of the smaller member at the joint.

5160 PREENGINEERED METAL BUILDINGS

A. All structural steel used for PreEngineered Building Components shall be designed, fabricated, and erected in conformance with the latest standards of the AISC. The design and fabrication of cold-formed steel members shall comply with the AISI, latest edition.

B. The design for all Pre-Engineered Building members and components (including anchor bolt sizes, lengths and embedment) shall be the responsibility of the Pre-Engineered Building manufacturer. The design shall be carried out under the direction of a Professional Engineer licensed in the State of Texas].

C. The design of all Pre-Engineered Building Components shall be based on the loads indicated in the "Design Loads" section of the Structural Notes. Deflections of the Pre-Engineered Building Structure under loading shall not exceed the following:

Rigid Frames and Columns - Drift	H/240 Lateral
Wall Girts and Eave Struts	L/240 Lateral
Rigid Frames and Roof Purlins	L/240 Vertical

*where "L" is defined as a member's length between supports and "H" is defined as a column's height measured from base to top of column.

D. Bases of columns shall be designed as pinned supports.

E. All building components shall be compatible with the Contract Documents. Any requests for modifications shall be submitted to the Architect during the bidding process.

F. Field welded connections for cold-formed steel members shall not be permitted without specific written approval of the Architect.

G. Lateral stability of the building frame shall be provided in the structural framing.

H. Shop drawings shall be prepared for all structural items and submitted for record only. Structural Drawings shall not be reproduced and used as shop drawings. Any items deviating from the Contract Documents or from previously submitted shop drawings shall be so noted. Shop drawings shall be sealed and signed by a Professional Engineer licensed in the State of Texas.

101000 DEFERRED SUBMITTALS

A. In accordance with the General Building Code, Section 107.3.4.1, the following submittals will not be issued at the time of permit application, and will be "deferred" to a later date. Deferred submittals are required to be submitted to the Building Official. However, these submittals shall be submitted and approved by the Registered Design Professional in Responsible Charge (RDPiRC) prior to submitting to the Building Official. Deferred submittals are design items being delegated to the Contractor which shall be designed and sealed by a Professional Engineer licensed in the State of Texas.

B. The following structural components shall be treated as deferred submittals:

1. Pre-Engineered Metal Buildings

C. Design of the items listed above shall be in accordance with the General Building Code, and shall include all attachments to the structure.

D. Work associated with Deferred Submittals shall not be performed until the deferred submittal documents have been approved by the Building Official.

E. Refer to the Contract Documents for additional Deferred Submittal items.

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INTERIM REVIEW DOCUMENTS
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SHEET TITLE
STRUCTURAL NOTES

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SPECIAL INSPECTIONS TABLES FOR STRUCTURAL ELEMENTS - 2015

SPECIAL INSPECTIONS

1. Special Inspections shall be performed in accordance with Chapter 17 of the 2015 International Building Code (IBC) by a Special Inspector hired by the Owner to perform the Special Inspections listed below. The Special Inspector shall be qualified by an approved agency according to the City's building official to perform the special inspections for which they will be undertaking. The Contractor shall coordinate with and notify the Special Inspector of all tests. The Special Inspector shall be responsible to verify that the items detailed in the Construction Documents were built accordingly and shall prepare, sign, and furnish inspection reports to the building official and the Architect for all time spent at the site. The Inspector shall bring discrepancies to the immediate attention of the General Contractor for correction. If the discrepancies are not corrected, the discrepancies shall be brought to the attention of the building official and to the Architect prior to the completion of that phase of the work. These special inspections are in addition to the other inspections listed in these Structural Notes or Project Specifications.

2. Where structural members and assemblies are shop fabricated, the Special Inspector shall verify that the fabricator maintains detailed fabrication and quality control procedures that provide a basis for inspection control of the workmanship and the fabricator's ability to conform to the Construction Documents and Referenced Standards, unless the fabricator is registered and approved to perform such work without special inspection

VERIFICATION AND INSPECTION TASKS FOR WELDING OF STRUCTURAL STEEL[1] (AISC 360-10 Table N5.4)

VERIFICATION AND INSPECTION	INSPECTION FREQUENCY		REFERENCED STANDARD	IBC REFERENCE
	CONTINUOUS	PERIODIC		
1. Inspection tasks prior to welding:				
a. Welding procedure specifications (WPSs) available	X	--	AISC 360-10 N5.4-1: AWS D1.1	1705.2.1
b. Manufacturer certifications for welding consumables available	X	--		
c. Material identification (type/grade)[2]	--	X		
d. Welder identification system[2]	--	X		
e. Fit-up of groove welds (including joint geometry)[2] 1) Joint preparation 2) Dimensions (alignment, root opening, root face, bevel) 3) Cleanliness (condition of steel surfaces) 4) Tacking (tack weld quality and location) 5) Backing type and fit (if applicable)	--	X		
f. Configuration and finish of access holes[2]	--	X		
g. Fit-up of fillet welds[2] 1) Dimensions (alignment, gaps at root) 2) Cleanliness (condition of steel surfaces) 3) Tacking (tack weld quality and location)	--	X		
2. Inspection tasks during welding:				
a. Use of qualified welders	--	X	AISC 360-10 N5.4-2: AWS D1.1	1705.2.1
b. Control and handling of welding consumables[2] 1) Packaging 2) Exposure control	--	X		
c. No welding over cracked tack welds[2]	--	X		
d. Environmental conditions[2] 1) Wind speed within limits 2) Precipitation and temperature	--	X		
e. WPS followed[2] 1) Settings on weld equipment 2) Travel speed 3) Selected welding materials 4) Shielding gas type/flow rate 5) Preheat applied 6) Interpass temperature maintained (min/max) 7) Proper position (F, V, H, OH)	--	X		
f. Welding techniques[2] 1) Interpass and final cleaning 2) Each pass within profile limitations 3) Each pass meets quality requirements	--	X		
3. Inspection tasks after welding:				
a. Welds cleaned	--	X	AISC 360-10 N5.4-2: AWS D1.1	1705.2.1
b. Size, length and location of welds	X	--		
c. Welds meet visual acceptance criteria 1) Crack prohibition 2) Weld/base-metal fusion 3) Crater cross section 4) Weld profiles 5) Weld size 6) Undercut 7) Porosity	X	--		
d. Arc strikes	X	--		
e. k-area[3]	X	--		
f. Backing removed and weld tabs removed (if required)	X	--		
g. Repair activities	X	--		
h. Document acceptance or rejection of welded joint or member	X	--		

1. Inspection tasks noted in this table are the responsibility of the Special Inspector or Quality Assurance Inspector (QAI). The fabricator and erector are responsible for all inspection tasks indicated in AISC 360-10 Section N5 assigned to the Quality Control Inspector (QCI).

2. Inspection tasks may be coordinated with the fabricator or erector's Quality Control Inspector (QCI) where indicated with this footnote. All other tasks shall be performed by the Special Inspector.

3. When welding of doubler plates, continuity plates or stiffeners has been performed in the k-area, visually inspect the web k-area for cracks within 3 in. (75 mm) of the weld.

VERIFICATION AND INSPECTION TASKS FOR BOLTING STRUCTURAL STEEL[1] (AISC 360-10 Tables N5.6)

VERIFICATION AND INSPECTION	INSPECTION FREQUENCY		REFERENCED STANDARD	IBC REFERENCE
	CONTINUOUS	PERIODIC		
1. Inspection tasks prior to bolting:				
a. Manufacturer's certifications available for fastener materials	X	--	AISC 360-10 N5.6-1	1705.2.1
b. Fasteners marked in accordance with ASTM requirements	--	X		
c. Proper fasteners selected for the joint detail (grade, type, bolt length if threads are to be excluded from shear plane)[2]	--	X		
d. Proper bolting procedure selected for joint detail[2]	--	X		
e. Connecting elements, including the appropriate faying surface condition and hole preparation, if specified, meet applicable requirements	--	X		
f. Pre-installation verification testing by installation personnel observed and documented for fastener assemblies and methods used	--	X		
g. Proper storage provided for bolts, nuts, washers and other fastener components	--	X		
2. Inspection tasks during bolting:				
a. Fastener assemblies, of suitable condition, placed in all holes and washers (if required) are positioned as required[2]	--	X	AISC 360-10 N5.6-2	1705.2.1
b. Joint brought to the snug-tight condition prior to the pretensioning operation[2]	--	X		
c. Fastener component not turned by the wrench prevented from rotating[2]	--	X		
d. Fasteners are pretensioned in accordance with the RCSC Specification, progressing systematically from the most rigid point toward the free edges	--	X		
3. Inspection tasks after bolting:				
a. Document acceptance or rejection of bolted connections	X	--	AISC 360-10 N5.6-3	1705.2.1

1. Inspection tasks noted in this table are the responsibility of the Special Inspector or Quality Assurance Inspector (QAI). The fabricator and erector are responsible for all inspection tasks indicated in AISC 360-10 Section N5 assigned to the Quality Control Inspector (QCI)

2. Inspection tasks may be coordinated with the fabricator or erector's Quality Control Inspector (QCI) where indicated with this footnote. All other tasks shall be performed by the Special Inspector.

VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION (IBC TABLE 1705.3)

VERIFICATION AND INSPECTION	INSPECTION FREQUENCY		REFERENCED STANDARD	IBC REFERENCE
	CONTINUOUS	PERIODIC		
1. Inspection of reinforcing steel, including prestressing tendons, and verify placement	--	X	ACI 318: Ch. 20, 25.2, 25.3, 26.5.1-26.5.3	1908.4
2. Reinforcing bar welding:			AWS D1.4 ACI 318: 26.5.4	--
a. Verify weldability of reinforcing bars other than ASTM A 706	--	X		
b. Inspect single-pass fillet welds, maximum 5/16"	--	X		
c. Inspect all other welds	X	--		
3. Inspect anchors cast in concrete	--	X	ACI 318: 17.8.2	--
4. Inspect anchors post-installed in hardened concrete members				
a. Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads	X	--	ACI 318: 17.8.2.4	--
b. Mechanical anchors and adhesive anchors not defined in 4.a	--	X	ACI 318: 17.8.2	--
5. Verifying use of required design mix	--	X	ACI 318: Ch. 19, 26.4.3, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3
6. Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete	X	--	ASTM C 172 ASTM C 31 ACI 318: 26.4.5, 26.12	1908.10
7. Inspect concrete and shotcrete placement for proper application techniques	X	--	ACI 318: 26.4.5	1908.6, 1908.7, 1908.8
8. Verify maintenance of specified curing temperature and techniques	--	X	ACI 318: 26.4.7-26.4.9	1908.9
9. Inspect prestressed concrete for:				
a. Application of prestressing forces	X	--	ACI 318: 26.9.2.1	--
b. Grouting of bonded prestressing tendons	X	--	ACI 318: 26.9.2.3	--
10. Inspect erection of precast concrete members	--	X	ACI 318: Ch. 26.8	--
11. Verify in-situ concrete strength, prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and structural slabs	--	X	ACI 318: 26.10.2	--
12. Inspect formwork for shape, location and dimensions of the concrete members being formed	--	X	ACI 318: 26.10.1(b)	--

VERIFICATION AND INSPECTION OF SOILS (IBC TABLE 1705.6)

VERIFICATION, INSPECTION AND TESTING	INSPECTION FREQUENCY	
	CONTINUOUS	PERIODIC
1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity	--	X
2. Verify excavations are extended to proper depth and have reached proper material	--	X
3. Perform classification and testing of controlled fill materials	--	X
4. Verify use of proper materials, densities and lift thicknesses during placement and compaction of controlled fill	X	--
5. Prior to placement of compacted fill, observe subgrade and verify that site has been prepared properly	--	X

VERIFICATION AND INSPECTION OF CAST-IN-PLACE DEEP FOUNDATION ELEMENTS (IBC TABLE 1705.8)

VERIFICATION AND INSPECTION	INSPECTION FREQUENCY	
	CONTINUOUS	PERIODIC
1. Inspect drilling operations and maintain complete and accurate records for each element	X	--
2. Verify placement locations and plumbness, confirm element diameters, bell diameters (if applicable), lengths, embedment into bedrock (if applicable) and adequate end bearing strata capacity. Record concrete or grout volumes	X	--
3. For concrete elements, perform tests and additional special inspections in accordance with IBC Section 1705.3	--	--

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INTERIM REVIEW DOCUMENTS
(NOT INTENDED FOR BIDDING, PERMIT OR CONSTRUCTION PURPOSES)
MATTHEW FOX HOMER
TEXAS REGISTRATION No: 120615
DATE: ?

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CITY OF SAN ANTONIO
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SPECIAL INSPECTIONS

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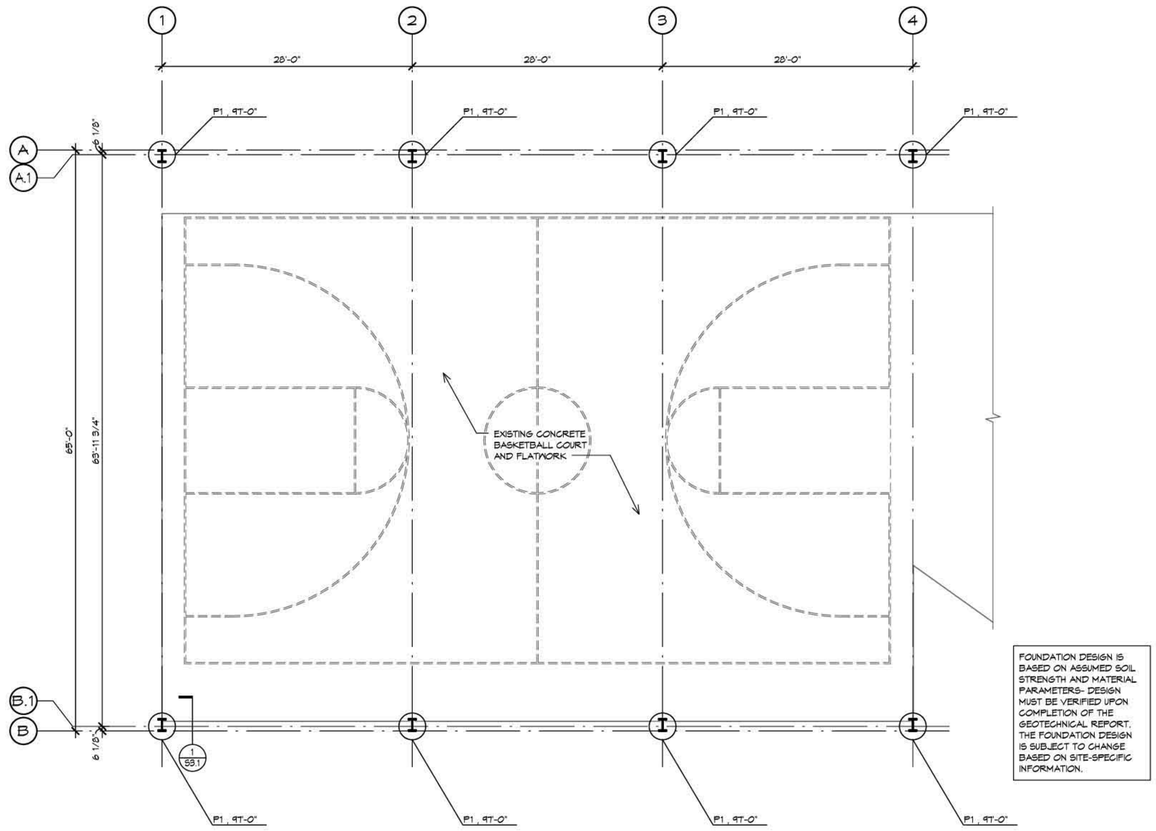

FOUNDATION DESIGN IS BASED ON ASSUMED SOIL STRENGTH AND MATERIAL PARAMETERS- DESIGN MUST BE VERIFIED UPON COMPLETION OF THE GEOTECHNICAL REPORT. THE FOUNDATION DESIGN IS SUBJECT TO CHANGE BASED ON SITE-SPECIFIC INFORMATION.

north

1 FOUNDATION PLAN

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

PLAN NOTES:

1. FOUNDATIONS FOR THE PRE-ENGINEERED BUILDING COLUMNS HAVE BEEN DESIGNED USING ASSUMED REACTIONS. THESE ASSUMED REACTION ARE THAT THE BUILDING COLUMNS HAVE A PINNED BASE AND WILL NOT TRANSFER AN APPLIED MOMENT. PRIOR TO THE CONSTRUCTION OF THE DETAILED FOUNDATION THE REACTIONS FROM THE BUILDING COLUMNS SHALL BE SUBMITTED TO THE FOUNDATION ENGINEER TO VERIFY THE FOUNDATION DESIGN
2. THE PRE-ENGINEERED BUILDING MANUFACTURER SHALL DESIGN AND SUPPLY ALL MATERIAL AS REQUIRED TO MEET THE ARCHITECTURAL DRAWINGS AND THE LOCAL BUILDING CODES. THE PRE-ENGINEERED BUILDING MANUFACTURER SHALL ACT AS THE ENGINEER OF REGORD FOR ALL COMPONENTS ABOVE THE FOUNDATION, INCLUDING THE CONNECTION OF HIS/HER DESIGN TO THE FOUNDATION. ALL SUBMITTALS SHALL BE SEALED BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF TEXAS.
3. EXISTING FRAMING INFORMATION IS PROVIDED FOR THE CONTRACTOR'S CONVENIENCE ONLY. IT IS BASED ON EXISTING DRAWINGS, AND MAY NOT ACCURATELY REFLECT THE ACTUAL CONDITIONS IN THE FIELD. INTELLIGENT ENGINEERING SERVICES, LLP MAKES NO GUARANTEE CONCERNING THE ACCURACY OF THE INFORMATION CONTAINED HEREIN. FIELD VERIFY ALL CONDITIONS.

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INTERIM REVIEW DOCUMENTS

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SHEET TITLE
FOUNDATION PLAN

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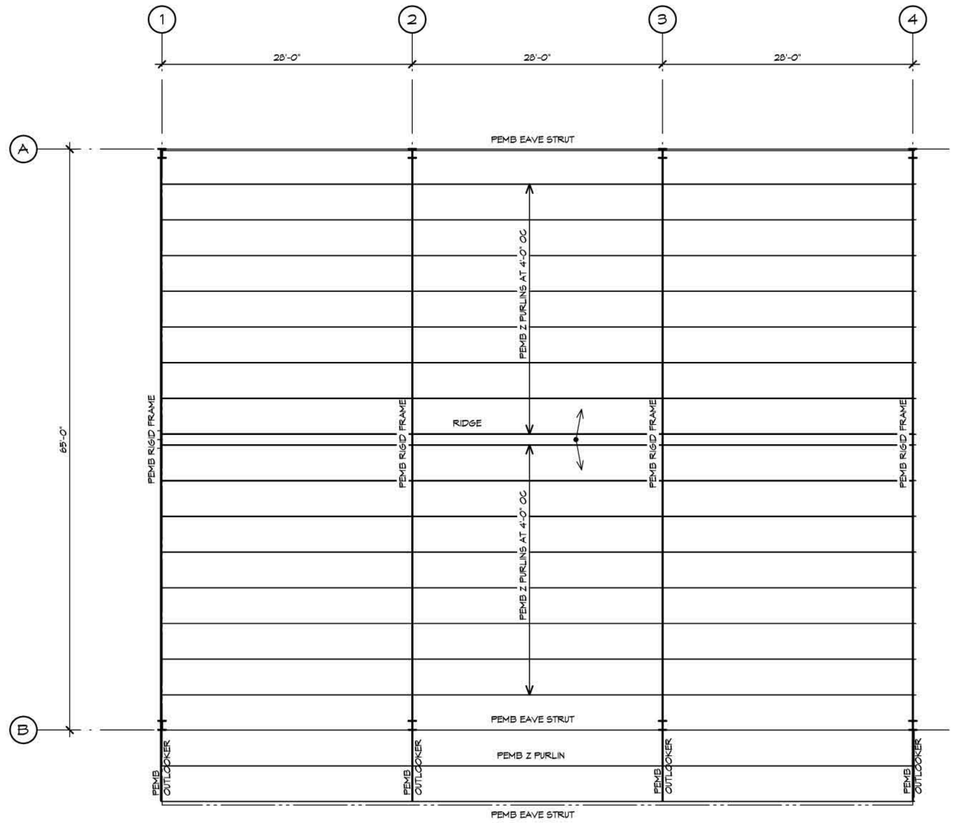

north

1 ROOF FRAMING PLAN

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

PLAN NOTES:

1. SEE ARCHITECTURAL & MEP DRAWINGS FOR MECHANICAL LOADS SUPPORTED BY THE PRE-ENGINEERED FRAMING MEMBERS.
2. FRAMING SHOWN IS SCHEMATIC ONLY.
3. EXISTING FRAMING INFORMATION IS PROVIDED FOR THE CONTRACTOR'S CONVENIENCE ONLY. IT IS BASED ON EXISTING DRAWINGS, AND MAY NOT ACCURATELY REFLECT THE ACTUAL CONDITIONS IN THE FIELD. INTELLIGENT ENGINEERING SERVICES, LLP MAKES NO GUARANTEE CONCERNING THE ACCURACY OF THE INFORMATION CONTAINED HEREIN. FIELD VERIFY ALL CONDITIONS.
4. THE PRE-ENGINEERED BUILDING MANUFACTURER SHALL DESIGN AND SUPPLY ALL MATERIAL AS REQUIRED TO MEET THE ARCHITECTURAL DRAWINGS AND THE LOCAL BUILDING CODES. THE PRE-ENGINEERED CONNECTIONS ABOVE THE FOUNDATION, INCLUDING THE CONNECTION OF HIS/HER DESIGN TO THE FOUNDATION. ALL SUBMITTALS SHALL BE SEALED BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE THE BUILDING IS CONSTRUCTED.

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SHEET TITLE:
ROOF FRAMING PLAN

SHEET NO:
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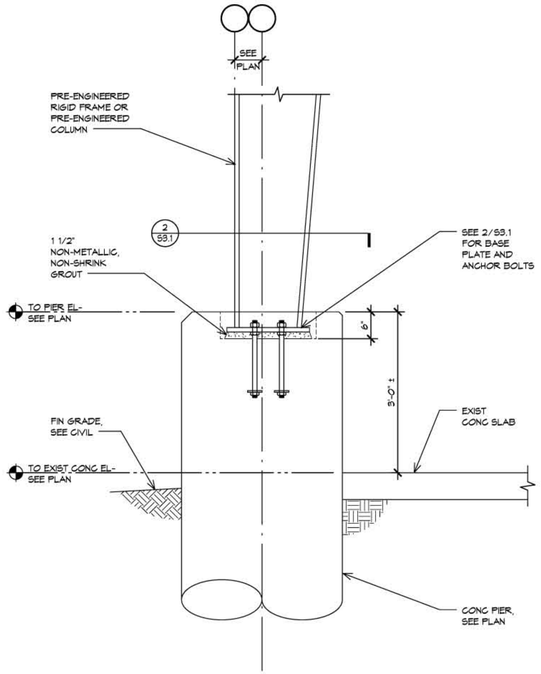
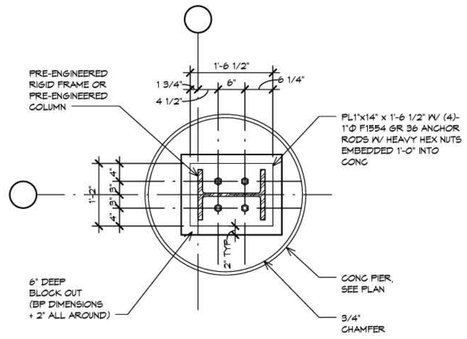
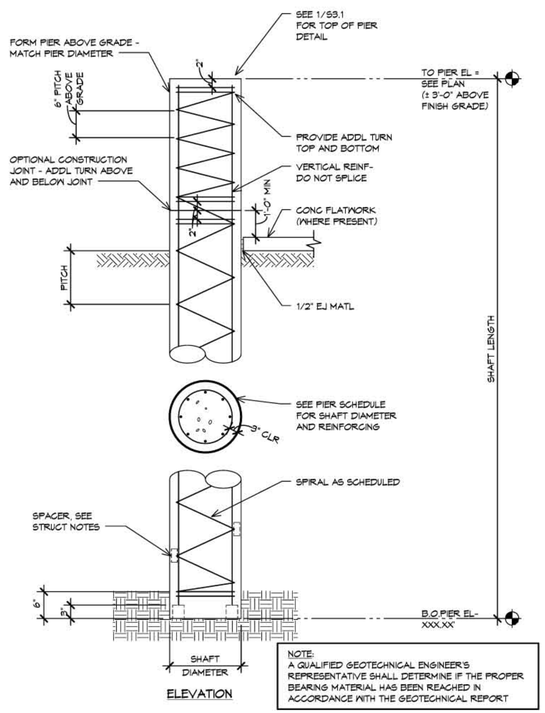


1 TYPICAL SECTION AT RIGID FRAME COLUMN BASE
SCALE: 3/4" = 1'-0"



METAL BUILDING MANUFACTURER SHALL USE THIS ANCHOR BOLT AND BASE PLATE CONFIGURATION. NO MOMENT IS PERMITTED AT BASE OF COLUMN.

2 PLAN VIEW AT RIGID FRAME COLUMN BASE
SCALE: 3/4" = 1'-0"



ELEVATION

NOTE:
A QUALIFIED GEOTECHNICAL ENGINEER'S REPRESENTATIVE SHALL DETERMINE IF THE PROPER BEARING MATERIAL HAS BEEN REACHED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT

PIER SCHEDULE

MARK	SHAFT DIAMETER	LONGITUDINAL REINFORCMENT	TIES / PITCH	COUNT
P1	36" DIAMETER	(13)-#8	#3 @ 12" O.C.	8

3 TYPICAL DRILLED PIER WITH STRAIGHT SHAFT DETAIL
SCALE: 3/4" = 1'-0"

10/30/2017 5:15:46 PM

INTELLIGENT ENGINEERING SERVICES
ENGINEERING COMMUNITIES FROM THE GROUND UP
10001 REUNION PLACE, SUITE 200 SAN ANTONIO, TEXAS 78216
210.349.9098 ie-services.com
IES JOB NO.:1172505 TBPE FIRM F-432

FILE: DATE:

CoFoZ Group LLC
Landscape Architecture & Planning
2410 John Smith, Suite 208
San Antonio, Texas 78229
210-366-1911/210-366-0044 fax

INTERIM REVIEW DOCUMENTS
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MATTHEW FOX HOWER
TEXAS REGISTRATION No. 126618
DATE: ?

PARK IMPROVEMENTS
HARLANDALE PARK BASKETBALL CANOPY
300 SUSSEX AVE. San Antonio, Tx

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

DRAWN:	IES-STAFF
CHECKED:	MFH
DATE:	10-30-17
JOB NO.	17-1092
REVISIONS:	2

SHEET TITLE:
FOUNDATION DETAILS

SHEET NO.
S3.1

SHEET ____ OF ____