100% CONSTRUCTION SET FOR BID OF BUILDING B & C LARRY KIESLING YOUTH SPORTS COMPLEX PREPARED FOR CITY OF KENEDY, TEXAS

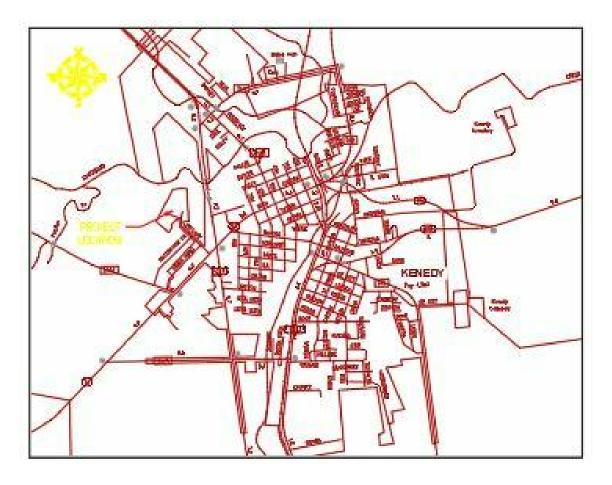
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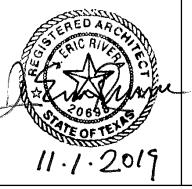
NUMBER

Firm Registration No. TBAE F-BR 2458 Firm Registration No. TBPG F-50556 Firm Registration No. TBPE F-000417 Firm Registration No. TBPLS F-10039500

REVISION

ARCHITECTURE STRUCTURE CIVIL PLUMBING MECHANICAL ELECTRICAL

> DATE DRAWN DESIGNED REVIEWED



LOCATION MAP

SHT NO	SHEET TITLE						
01 Gener	al						
G-001	COVER SHEET						
04 Civil							
C-1	GENERAL NOTES 1 of 2						
C-2	GENERAL NOTES 2 of 2						
C-3	GENERAL LEGEND						
C-4	EXISTING CONDITIONS						
C-6	PROPOSED SITE PLAN						
C-7	SW3P PLAN & DETAILS						
C-8	LAYOUT PLAN 1 of 2						
C-10	CONTROL POINT TABLES 1 of 3						
C-12	CONTROL POINT TABLES 3 of 3						
C-21	WATER PLAN						
C-22	SANITARY SEWER PLAN						
C-23	SANITARY SEWER PROFILE - LINE A						
C-24	SANITARY SEWER PROFILE - LINES B & C						
C-25	WATER & SANITARY SEWER TABLES						
C-30	UTILITY DETAILS 1 of 3						
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07 Struct	ural						
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S2.1	FOUNDATION PLAN BLDG. B						
S2.2	ROOF FRAMING PLAN BLDG. B						
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S3.2	ROOF FRAMING DETAILS BLDG. C						
S4.1	FOUNDATION DETAILS						
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08 Archite	ectural						
A-000	ARCHITECTURAL DESIGN BASIS						
A-001	ARCHITECTURAL DESIGN BASIS						
A-002	SYMBOLS AND ABBREVIATIONS						
A-003	ARCHITECTURAL GENERAL NOTES						
A-004	ARCHITECTURAL GENERAL NOTES AND SYMBOLS						
A-107	FIRST FLOOR PLAN - BLDG. B						
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A-202	EXTERIOR ELEVATIONS - BLDG. B						

LIST OF SHEETS

SHT NO	SHEET TITLE
A-203	EXTERIOR ELEVATIONS - BLDG. C
A-303	BUILDING & WALL SECTIONS - BLDG, B
A-304	BUILDING & WALL SECTIONS - BLDG. C
A-601	DOOR AND WINDOW SCHEDULES
A-602	DOOR AND WINDOW DETAILS
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A-004 A-800	3D VIEWS
09 Interio	
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1-101	BLDG. A
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12 Plumb	ing
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P-002	PLUMBING SPECIFICATIONS
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14 Mecha	
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M-002	MECHANICAL SPECIFICATIONS
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15 Electri	
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E-2	ELECTRICAL NOTES AND ABBREVIATIONS
E-3	ELECTRICAL SITE KEY PLAN
E-4	ENLARGED SITE ELECTRICAL PLAN
E-5	ENLARGED SITE ELECTRICAL PLAN
E-11	BUILDING B - ELECTRICAL PLAN
E-12	BUILDING C - ELECTRICAL PLAN
E-13	MD-1 ONE-LINE DIAGRAM



"The Junction Where Good Friends Meet"	
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Hanson No.	17L00	17 1006		
Filename	CITY OF	KENEDY	SPORTS	COMPLEX
Scale				

Date 11/01/2019							
LAYOUT	AGP	11/01/2019					
DRAWN	AGP	11/01/2019					
REVIEWED	JER	11/01/2019					

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TBPLS F-10039500 TBPG F-50556 TBAE F-BR 2458 Phone: (361) 814-9900 (800) 677-2831 www.hanson-inc.com Offices Nationwide

COVER SHEET

CONSTRUCTION DRAWINGS FOR LARRY KIESLING YOUTH SPORTS COMPLEX CITY OF KENEDY FOR BID OF BUILDING A

SHT NO SHEET TITLE E-14 PP-2 ONE-LINE DIAGRAM E-15 |PP-3 ONE-LINE DIAGRAM E-16 |ELECTRICAL SCHEDULES (1 OF 3) ELECTRICAL SCHEDULES (2 OF 3) E-18 |ELECTRICAL SCHEDULES (3 OF 3) MDP-1 RACK DETAILS AND PLAN E-21 UNDERGROUND ELECTRIC DETAILS E-22 HANDHOLE SCHEDULES

G-001

sheets of

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/IBE	REVISION	DATE	DRAWN	DESIGNED	DREVIEWED	STATE STATE
	2.1. POLICE, FIRE, AND MEDICAL EMERGENCIES					6.
	IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO IMPLEMENT A SAFETY FEDERAL SAFETY REGULATIONS FOR ALL WORKERS AND VISITORS FOR THE THE CONTRACTOR SHALL POST ON-SITE ALL EMERGENCY PHONE NUMBER	E ENTIRETY OF TH		UE WIIH LOCAL,	SIAIL, AND	~
	SITE SAFETY AND SECURITY					5.
	3.2. IF DAMAGE SHOULD OCCUR TO A TREE OR SHRUB THAT IS TO REMA THE ITEM FOR A PERIOD TO BE DETERMINED BY A COMPETENT PERS				R CARING/REPLACING	4.
	3.1. TREES, SHRUBS, AND VEGETATION THAT ARE TO REMAIN SHALL BE TAND PROTECTED FROM DAMAGE.					
	THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL VEGETAT OWNER'S REPRESENTATIVE.	TION THAT IS NOT	red on the Dr	AWINGS OR AS	DIRECTED BY THE	2. 3.
	REMEDY THE DISTURBANCE OR DAMAGE TO THE REQUIREMENTS OF A IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS AND	REQUIREMENTS	AT THE CONTRA	ACTOR'S SOLE E	EXPENSE.	2.
	IDENTIFIED BY THE OWNER'S REPRESENTATIVE. 2.1. IF AN ENVIRONMENTALLY SENSITIVE AREA IS DISTURBED OR DAMAGED	•				
2.	CONTRACTOR WILL BE RESPONSIBLE FOR COMPLYING WITH THE PERMIT. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL ENVIRON	MENTALLY SENSI	TIVE AREAS NOT	ed on the dr	AWINGS OR AS	
1.	CTION OF VEGETATION AND ENVIRONMENTALLY SENSITIVE AREAS NOTICE: IF THE PROJECT IS REGULATED BY A U.S. ARMY CORPS OF ENG	GINEERS (COE) P	ERMIT OR OTHE	R ENVIRONMENT	AL PERMIT, THE	
	REPRESENTATIVE.					1.
	THE CONTRACTOR SHALL REMOVE, REPLACE, AND RESTORE TO ORIGINAL (THAT ARE TO REMAIN THAT ARE ENCOUNTERED DURING CONSTRUCTION, U					IRA
	GROUT THE ABANDONED FACILITY(IES) IN PLACE, UNLESS OTHERWISE INCIDENTAL AND NO SEPARATE PAYMENT SHALL BE MADE.	• •				3.
	TO THE OWNER'S REPRESENTATIVE THAT THE FACILITY(IES) ARE ABANDONE 6.1. THE CONTRACTOR SHALL REMOVE THE ABANDONED UNDERGROUND FA	D.				2.
6.	ADDED TO THE CONTRACT. IF ABANDONED UNDERGROUND FACILITIES ARE ENCOUNTERED, THE CONTRA					
	RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE REPAIR, REPLAC THAN ITS ORIGINAL CONDITION AS REQUIRED BY THE OWNER OF THE	EMENT, OR REMI	EDY OF THE DA	MAGED ITEM TO	EQUAL OR BETTER	<u>ERO</u> 1.
	THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING DITCHES, ROADS, AND ALL PROPOSED IMPROVEMENTS WITHIN AND ADJACE 5.1. IF ANY DAMAGE OCCURS TO ANY OF THE ABOVE MENTIONED ITEMS D	NT TO THE PROJ	ECT AREA.			
	IN THE EVENT THAT A UTILITY LINE NEEDS TO BE ADJUSTED, THE CONTRACTOR IS DESPONSIBLE FOR THE PROTECTION OF ALL EXISTING					
٨	3.2. ADDITIONALLY, THE CONTRACTOR(S) SHALL NOTIFY THE OWNER AND E CONSTRUCTION DOCUMENTS WHICH NEGATIVELY IMPACT THE PROJECT.					4.
	CONDITIONS VERSUS THE DATA CONTAINED IN THE CONSTRUCTION DR	AWINGS PRIOR TO	O CONSTRUCTIO	N.		
	TELEPHONE, FIBER OPTIC, ETC.) WHICH ARE WITHIN AND ADJACENT TO TH 3.1. THE GENERAL CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER	E SITE.				3.
	THE CONTRACTOR(S) IS RESPONSIBLE FOR CONFIRMING THE LOCATION(S) PIPES, AND UNDERGROUND FACILITIES (INCLUDING BUT NOT LIMITED TO S					
	CONSTRUCTION, WITH COPIES OF THE INFORMATION BEING SUPPLIED TO T CONSTRUCTION .					
	POSSIBLE, PRIOR TO COMMENCING CONSTRUCTION TO DETERMINE UTILITY THE CONTRACTOR(S) SHALL VIDEO TAPE AND PHOTOGRAPH ALL PROPERTIN					2.
	THE WORK; THE COST OF ALL OF WHICH WILL BE CONSIDERED AS HA IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL A	PPROPRIATE PUBI	LIC AND PRIVATE	E UTILITY COMP	ANIES, BY ALL MEANS	<u>MATI</u> 1.
	COMPLETENESS OF ANY SUCH INFORMATION OR DATA AND THE CONTRACTION OF CHECKING ALL SUCH INFORMATION FOR THE SAFETY AND PROTECTION	THEREOF AND R	EPAIRING ANY D	AMAGE THERETC) RESULTING FROM	
	GROUND UTILITIES, UNDERGROUND FACILITIES, STRUCTURES, DITCHES, F SITE MAY BE INDICATED ON THE DRAWINGS. THE OWNER AND THE EN	IGINEER SHALL N	OT BE RESPONS	SIBLE FOR THE	ACCURACY OR	6. 7.
DIICE	E: THE LOCATION OF EXISTING ABOVE GROUND UTILITIES, UNDERGROUND IMPROVEMENTS WITHIN THE DRAWINGS ARE APPROXIMATE IN BOTH HOR	IZONTAL AND VE	RTICAL LOCATION	I(S) AND NOT A	ALL EXISTING ABOVE	5.
	ION AND PROTECTION OF EXISTING UTILITIES. STRUCTURES. DITCHES. ROAD					4. 5
9.	A SEQUENCE OF CONSTRUCTION SHALL BE SCHEDULED AND COORDINATED CONSTRUCTION AND CHANGES TO THE SEQUENCE SHALL BE COORDINATED				J COMMENCEMENT OF	
	THE PROJECT MAY BE INDICATED AND IT WILL BE THE RESPONSIBILITY OF APPURTENANCES TO CONSTRUCT THE PROJECT WITHIN THE AMOUNT BID.					2.
	ALL QUANTITIES INDICATED WITHIN THE DRAWINGS ARE APPROXIMATE AND		•			
	DRAWINGS INCLUDING, BUT NOT LIMITED TO, JOB SITE FACILITIES, STAGING FROM THE OWNER'S REPRESENTATIVE IS GIVEN.			· /		5 011
	CONSTRUCTION AND ANY FEES ASSOCIATED WITH THE PERMIT SHALL BE IN THE CONTRACTOR SHALL CONFINE ALL CONSTRUCTION ACTIVITY TO WITHIN	NCLUDED WITHIN	THE BID ITEM(S) REQUIRING TH	HE PERMIT.	
6.	INFORMATION WITHIN THE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR SECURING ALL NECESSARY CONST					8.
	5.1. THE CONTRACTOR SHALL FIELD VERIFY BENCHMARK AND CONTROL PO 5.2. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY, IN WRIT	DINT ELEVATION(S) PRIOR TO CO	MMENCING ANY	CONSTRUCTION.	
	CONSTRUCTION, FABRICATION, AND/OR PURCHASE OF ANY MATERIAL, AND CONDITIONS BE DIFFERENT FROM THE CONTRACT DOCUMENTS, SPECIFICATI	SHALL CONTACT,	THE OWNER'S	REPRESENTATI	VE SHOULD	7.
5.	CONTRACTOR SHALL CONTACT THE OWNER'S REPRESENTATIVE FOR CLARIFIC THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF EXISTING	CONDITIONS , SH	ALL PERFORM F	TIELD MEASUREM	IENTS PRIOR TO	
4.	PROJECT AS REPRESENTED IN THE CONTRACT DOCUMENTS, SPECIFICATIONS IF AT ANY POINT THAT SOMETHING IS NOT CLEAR FOR WHAT IS BEING RE	S, AND IN THE D PRESENTED WITH	DRAWINGS. IN THIS SET OF	DRAWINGS, TH	e general	
3.	OWNER'S REPRESENTATIVE. NOTICE: THE CONTRACTOR SHALL KNOW THE ACTUAL SITE CONDITIONS AN	ND SHALL BE RE	SPONSIBLE FOR	FURNISHING A	COMPLETED	
	2.1. IN THE EVENT THAT A REGULATION, SPECIFICATION, DETAIL, NOTE, OR SPECIFICATION, DETAIL, NOTE, OR OTHER REQUIREMENT, THE MOST S					
2.	ALL WORK ON THIS PROJECT IS REQUIRED TO BE IN ACCORDANCE WITH INDUSTRY STANDARDS, ALL PERMITS, AND ALL LAWS AND REGULATIONS.	THE CONTRACT D	OCUMENTS AND	SPECIFICATIONS	3, THE DRAWINGS,	
	1.3. ALL REQUIRED PERMITS, 1.4. ALL REQUIRED LOCAL, STATE, AND FEDERAL DOCUMENTS.					6.
	1.1. CONTRACT DOCUMENTS AND SPECIFICATIONS, 1.2. ALL CONSTRUCTION DRAWINGS,					5.
	SITE WHEN CONSTRUCTION IS IN PROGRESS:	HE FULLOWING, I		יו ע, MUST BE	ON THE PROJECT	_
۱.	A MINIMUM OF ONE (1) COPY OF THE LATEST VERSION OR EDITION OF T					
						4.

 \bigstar 39496 CENSEY.

2.2. PUBLIC UTILITY OPERATORS (FOR EACH OPERATOR WITHIN AND ADJACENT TO THE PROJECT SITE) PRIVATE UTILITY OPERATORS (FOR EACH OPERATOR WITHIN AND ADJACENT TO THE PROJECT SITE) STREET OPERATORS (FOR EACH OPERATOR WITHIN AND ADJACENT TO THE PROJECT SITE)

TRAFFIC SIGNAL OPERATORS (FOR EACH OPERATOR WITHIN AND ADJACENT TO THE PROJECT SITE)

CONTRACTOR SHALL BE RESPONSIBLE FOR TRAINING ALL EMPLOYEES AND SUBCONTRACTORS IN THE RECOGNITION AND AVOIDANCE OF SAFE CONDITIONS AND IN THE REGULATIONS AND HAZARDS WHICH APPLY TO THE AREA IN WHICH THE WORK WILL TAKE PLACE. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL EQUIPMENT AND MATERIALS FOR THE PROTECTION OF PERSONS AND PROPERTY AND

PROVIDING SAFE WORKING CONDITIONS THROUGHOUT THE WORK PROGRESS. ALL SAFETY EXPOSURES OR VIOLATIONS SHALL BE RECTIFIED IMMEDIATELY BY THE CONTRACTOR.

CONTRACTOR SHALL CONDUCT HIS OPERATIONS IN A MANNER SUCH THAT TRUCKS AND OTHER EQUIPMENT DO NOT CREATE A SAFETY ZARD ON ANY PUBLIC OR PRIVATE STREETS.

ENCH SAFETY 6.1. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF A TRENCH SAFETY PROGRAM WHICH MEETS OR EXCEEDS THE REQUIREMENTS OF THE OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION (OSHA) AND ANY OTHER LOCAL, STATE, AND FEDERAL REGULATIONS THAT PERTAIN TO TRENCH SAFETY.

6.1.1. ALL EXCAVATIONS AND BACKFILL OPERATIONS SHALL BE IN ACCORDANCE WITH THE LATEST OSHA EXCAVATION SAFETY STANDARDS, STATE REGULATIONS, AND LOCAL REGULATIONS. THE CONTRACTOR SHALL PROVIDE AN EXCAVATION PLAN PREPARED BY AN ENGINEER REGISTERED IN THE STATE OF TEXAS PRIOR TO BEGINNING TRENCHING OPERATIONS.

6.1.2. THE CONTRACTOR SHALL APPOINT A "COMPETENT PERSON" AS DEFINED BY OSHA WHO WILL BE ON-SITE AT ALL TIMES WHILE TRENCHING, PERFORMING EXCAVATIONS, AND WHEN WORKERS ARE IN TRENCHES.

6.1.3. THE EXCAVATION PLAN SHALL INDICATE THE PROCEDURES TO BE USED BY THE CONTRACTOR TO COMPLY WITH THE OSHA, STATE, AND LOCAL REQUIREMENTS.

6.1.4. THE TRENCH SAFETY PROGRAM AND EXCAVATION PLAN SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE FOR RECORD PURPOSES ONLY AND NOT FOR APPROVAL OR VERIFICATION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING AND CONTROLLING THE WORK SITE TO PREVENT ACCIDENTS, THEFT, AND VANDALISM.

7.1. THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR REPLACEMENT OR SATISFACTORY REPAIRS TO EXISTING AND NEW IMPROVEMENTS DUE TO ACCIDENTS, THEFT, AND VANDALISM.

IT WILL NOT BE THE RESPONSIBILITY OF THE OWNER, OWNER'S REPRESENTATIVE, OR ENGINEER TO ENSURE THAT ALL SAFETY REGULATIONS ARE ABIDED BY. HOWEVER, IF THE OWNER, OWNER'S REPRESENTATIVE, OR ENGINEER RECOGNIZES OR IS NOTIFIED OF UNSAFE CONDITIONS, THE WORK BEING ACCOMPLISHED WILL BE STOPPED UNTIL THE CONTRACTOR INDICATES THAT IT IS NOT AN UNSAFE METHOD OR RECTIFIES THE SITUATION AT NO EXPENSE TO THE OWNER, OWNER'S REPRESENTATIVE, OR ENGINEER.

ONLY EQUIPMENT REQUIRED FOR PERFORMING THE WORK ON THE PROJECT WILL BE ALLOWED AT THE SITE. THE EQUIPMENT USED ON THE PROJECT SHALL HAVE ALL OF THE REQUIRED PARTS FOR OPERATION INSTALLED AS RECOMMENDED BY THE

MANUFACTURER. ALL EQUIPMENT REQUIRED TO PERFORM THE WORK ON THE PROJECT SHALL BE IN GOOD WORKING ORDER AND MAINTAINED THROUGHOUT

CONSTRUCTION ANY EQUIPMENT THAT IS TO BE STORED ON-SITE SHALL BE LOCATED IN AN AREA THAT IS PROTECTED TO PREVENT ACCIDENTS, DAMAGE TO MATERIALS. AND ANY ADVERSE ENVIRONMENTAL EFFECTS.

ANY EQUIPMENT THAT IS LEAKING FLUIDS SHALL BE FIXED PROMPTLY AND ANY FLUID CONTAMINATED SOIL SHALL BE REMOVED PROMPTLY IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

THE CONTRACTOR SHALL PROTECT AGAINST SOIL/WATER CONTAMINATION BY UTILIZING CONTAINERS OR BARRIERS.

THE CONTRACTOR IS RESPONSIBLE FOR DISPOSAL OF ALL FLUIDS, CLEANING MATERIALS, AND LIQUIDS IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

ONLY MATERIALS MEETING THE REQUIREMENTS OF THE SPECIFICATIONS AND REQUIRED FOR PERFORMING THE WORK ON THE PROJECT WILL BE ALLOWED AT THE SITE.

ANY PROPOSED ALTERNATIVES TO THE MATERIALS NOTED WITHIN THE DRAWINGS OR REQUIRED BY THE SPECIFICATIONS ARE TO BE SUBMITTED TO THE OWNER'S REPRESENTATIVE FOR APPROVAL SEVEN (7) CALENDAR DAYS PRIOR TO THE BID OPENING.

2.1. ANY CHANGES TO THE DRAWINGS REQUIRED BY ACCEPTANCE OF MATERIAL ALTERNATIVES AND/OR SUBSTITUTIONS ARE THE

RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE FOR APPROVAL, WITH ALL COSTS ASSOCIATED WITH THE CHANGE BEING THE RESPONSIBILITY OF THE CONTRACTOR. 2.2. THE OWNER RESERVES THE RIGHT TO REJECT ANY PROPOSED SUBSTITUTION IN FAVOR OF THAT SPECIFIED.

MATERIALS THAT ARE TO BE STORED ON-SITE SHALL BE STORED IN ACCORDANCE WITH THE MANUFACTURER RECOMMENDATIONS AND PROJECT SPECIFICATIONS AND SHALL BE LOCATED IN AN AREA THAT IS PROTECTED TO PREVENT ACCIDENTS, DAMAGE TO MATERIALS, AND ANY ADVERSE ENVIRONMENTAL EFFECTS.

ANY DAMAGED MATERIALS SHALL BE PROMPTLY REMEDIED BY THE CONTRACTOR AT THE CONTRACTOR'S SOLE EXPENSE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.

4.1. IF IT IS DETERMINED THAT THE MATERIAL(S) ARE NOT SUITABLE FOR INSTALLATION BY EITHER THE ENGINEER OR THE OWNER, THEN THE MATERIAL(S) ARE TO BE REMOVED FROM THE PROJECT SITE IMMEDIATELY AND DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATION AT THE SOLE EXPENSE OF THE CONTRACTOR.

SION AND POLLUTION CONTROL DURING CONSTRUCTION

ALL CONSTRUCTION ACTIVITIES SHALL BE SUBJECT TO THE EROSION AND POLLUTION PREVENTION REQUIREMENTS OF THE CITY. COUNTY. TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ). ALL APPLICABLE PERMITS. AND ALL LAWS AND REGULATIONS.

1.1. A TCEQ STORMWATER PERMIT FOR CONSTRUCTION WILL BE REQUIRED FOR THIS PROJECT.

THE CONTRACTOR IS TO OBTAIN ALL REQUIRED PERMITS AND POST REQUIRED COPIES ON-SITE AT ALL ENTRANCES PRIOR TO COMMENCING CONSTRUCTION.

THE CONTRACTOR WILL BE REQUIRED AT ALL TIMES DURING CONSTRUCTION TO PROVIDE AND MAINTAIN ALL REQUIRED CONTROL DEVICES THAT ARE INDICATED WITHIN THE DRAWINGS AND ALL REQUIRED DEVICES AS REQUIRED BY ANY PERMIT.

FFIC CONTROL AND EXISTING PEDESTRIAN FACILITIES

THE CONTRACTOR IS SOLELY RESPONSIBLE TO PROVIDE. IMPLEMENT, AND COMPLY WITH A TRAFFIC CONTROL PLAN MEETING THE REQUIREMENTS OF THE COUNTY OR CITY, TXDOT, THE OWNER'S REPRESENTATIVE, AND THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL

DEVICES (TMUTCD) (LATEST EDITION) FOR ANY WORK ALONG THE ROAD AND ALL ADJACENT ROADS TO THE PROJECT SITE. 1.1. THE PLAN SHALL CONTAIN PROVISIONS FOR ALL PROJECT PHASES AND PROVIDE SUFFICIENT BARRICADES, WARNINGS, AND LIGHTING TO WARN AND GUIDE MOTORISTS AND PEDESTRIANS THROUGH THE WORK AREA.

1.2. THIS PLAN IS TO BE SUBMITTED TO AND APPROVED BY ALL APPROPRIATE AGENCIES BEFORE CONSTRUCTION ALONG THE ROAD IS TO COMMENCE.

1.3. THIS PLAN AND THE APPROVAL NOTIFICATION ARE TO BE SUBMITTED TO THE OWNER'S REPRESENTATIVE FOR RECORD KEEPING PURPOSES ONLY BEFORE CONSTRUCTION ALONG THE ROAD IS TO COMMENCE. 1.4. IF A PLAN IS INCLUDED WITHIN THE DRAWINGS, IT SHOULD BE USED AS A GENERAL GUIDELINE.

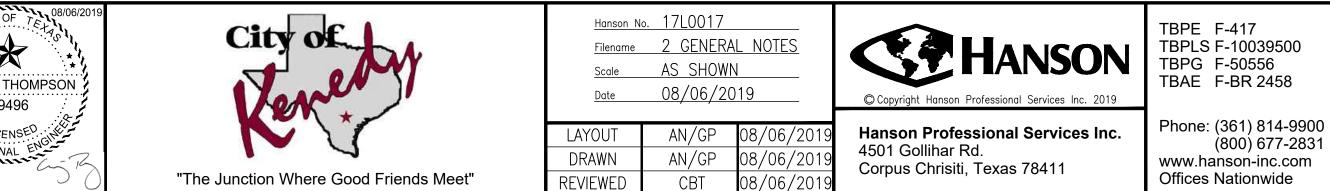
ANY MODIFICATIONS TO THE APPROVED TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO ALL APPROPRIATE AGENCIES FOR APPROVAL PRIOR TO IMPLEMENTATION.

THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR MAINTAINING AND VERIFYING THAT ALL TRAFFIC CONTROL DEVICES ARE IN THE PROPER POSITION, WORKING ORDER, AND MEET THE SPECIFICATIONS EACH DAY PRIOR TO COMMENCING WORK AND PRIOR TO LEAVING FOR THE DAY, AND VERIFYING AT LEAST ONCE PER DAY WHEN NO WORK IS DONE INCLUDING WEEKENDS, HOLIDAYS, AND WEATHER DAYS. MAINTENANCE OF TRAFFIC CONTROL DEVICES ARE TO OCCUR IMMEDIATELY WHEN NOTICED THAT THE DEVICE DOES NOT MEET THE TRAFFIC CONTROL PLAN AND SPECIFICATIONS.

IF TRAFFIC ON A ROAD IS TO BE DETOURED, OBSTRUCTED, AND/OR ROAD CLOSED, THE CONTRACTOR SHALL PROVIDE DAILY NOTIFICATION TO ALL PUBLIC EMERGENCY DEPARTMENTS (I.E. FIRE, POLICE, EMS) AND ALL PRIVATE EMS.

5.1. AT ALL TIMES, THE CONTRACTOR SHALL MAINTAIN INGRESS/EGRESS TO ADJACENT PROPERTIES FOR EMERGENCY VEHICLES AND POSTAL SERVICE IF AN ALTERNATE ROUTE IS NOT AVAILABLE.

PLACEMENT OF TEMPORARY AND PERMANENT PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE TMUTCD, THE DRAWINGS, AND SHALL BE APPROVED BY THE GOVERNING ENTITY.



- 7.1.2. THE NOTICE SHALL BE HAND DELIVERED BY THE CONTRACTOR.
- THE EVENT OF EMERGENCIES OR ANY QUESTIONS.
- 8. THE CONTRACTOR SHALL MAINTAIN EXISTING PEDESTRIAN FACILITIES DURING CONSTRUCTION.
- CONDITIONS.

DRAINAGE DURING CONSTRUCTION

- THE CONTRACTOR SHALL MAINTAIN ADEQUATE DRAINAGE AT ALL TIMES DURING CONSTRUCTION. REPRESENTATIVE.
- HANDLED AS SHOWN ON THE DRAWINGS OR AS INDICATED BY THE OWNER'S REPRESENTATIVE.

EXCESS. DEMOLITION. AND SALVAGED MATERIALS

- REPRESENTATIVE.
- THE OWNER'S REPRESENTATIVE STATES OTHERWISE.
- OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

SITE CLEARING AND EARTHWORK

- WITHIN THIS DRAWING SET SHALL BE COMPLETED BY THE CONTRACTOR.
- FOUND CURRENTLY ON-SITE AND APPROVED BY THE OWNER'S REPRESENTATIVE.
- GRADES, CONSTRUCTION ON THE REST OF THE PROJECT CAN COMMENCE. 4. FINAL GRADES AS INDICATED WITHIN THE DRAWINGS SHALL BE ACHIEVED PRIOR TO FINAL ACCEPTANCE.
- SUCH POINTS AND EXISTING FINISH GRADES.
- POSSIBLE TO CONTROL THE POLLUTION.
- FINAL DESIGN OF THE BUILDING.
- JURISDICTION.

<u>SITE GRADING</u>

- AT NO ADDITIONAL COST TO THE PROJECT. 2. THE CONTRACTOR SHALL CONSTRUCT THE SITE TO THE LINES, GRADES, AND ELEVATIONS AS SPECIFIED AND AS INDICATED WITHIN THE
- DRAWINGS.
- TOP SIX-INCHES (6") OF THE SOIL.
- STABILIZATION MATERIAL BEYOND THE RIGHT-OF-WAY.
- THE OWNER'S REPRESENTATIVE.
- REPRESENTATIVE.
- OF UN-COMPACTED DEPTH, UNLESS INDICATED OTHERWISE BY THE OWNER'S REPRESENTATIVE.
- AMOUNT THAT WILL BE REQUIRED TO COMPLETE THE WORK DUE TO CONSTRUCTION METHODS.

EXCAVATION AND TRENCHING FOR UTILITIES, ROADWAY, AND STRUCTURES

- CONTRACTOR. 2. EXCAVATIONS SHALL NOT BE MADE DURING INCLEMENT WEATHER.
- APPROVED BY THE OWNER'S REPRESENTATIVE.
- ACCESS INTO THE TRENCH AREA.

7. THE CONTRACTOR SHALL MAINTAIN AND PROVIDE FOR SAFE AND CONVENIENT INGRESS/EGRESS TO THE PROPERTY ADJACENT TO CONSTRUCTION, PROTECT EXISTING IMPROVEMENTS, AND SHALL COORDINATE WITH THE PROPERTY OWNER / LESSEE FOR WORK ON THE SITE. 7.1. THE CONTRACTOR SHALL NOTIFY PROPERTY OWNER/LESSEE IN WRITING SEVEN (7) DAYS PRIOR TO START OF CONSTRUCTION AND SHALL NOTIFY IN WRITING AT LEAST TWO (2) WEEKS IN ADVANCE OF ANY WORK AFFECTING INGRESS/EGRESS FROM THE PROPERTY. 7.1.1. THE NOTICE SHALL BE APPROVED OF BY THE OWNER AND THE OWNER'S REPRESENTATIVE.

7.1.3. THE NOTICE SHALL INDICATE WHAT DISRUPTIONS WILL OCCUR AND PROVIDE DATES AND CONTRACTOR CONTACT INFORMATION IN

9. THE CONTRACTOR SHALL FILL ANY HOLES LEFT WHEN BARRICADES AND SIGNS ARE REMOVED AND RESTORE THE AREA TO THE ADJACENT

2. THE CONTRACTOR SHALL PROVIDE INTERIM DRAINAGE BY MEANS OF PUMPS AND TEMPORARY DITCHES DURING CONSTRUCTION AS REQUIRED TO MAINTAIN A WELL-DRAINED SITE FREE OF STANDING WATER AND WATER SOFTENED SOILS, UNLESS OTHERWISE INDICATED BY THE OWNER'S

3. DRAINAGE FROM ADJACENT PROPERTIES SHALL NOT BE BLOCKED AT ANYTIME PRIOR, DURING, AND AFTER CONSTRUCTION AND WILL BE

1. THE PROJECT AREA SHALL AT ALL TIMES BE KEPT FREE OF DEBRIS AND EXCESS MATERIAL TO THE SATISFACTION OF THE OWNER'S

2. EXCESS AND DEMOLITION MATERIALS WHICH ARE NOT USED ON THE PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR, UNLESS

3. DISPOSAL OF ALL EXCESS AND DEMOLITION MATERIALS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE DISPOSED

1. ALL EARTHWORK (SITE GRADING, FILLING, HAULING, CUTTING, LOADING, ETC.) REQUIRED TO ACHIEVE THE LINES AND GRADES AS INDICATED

2. CONTRACTOR SHALL PERFORM ROUGH EARTHWORK (SITE GRADING, FILLING, HAULING, CUTTING, LOADING, ETC.) TO VERIFY ADEQUATE EARTH QUANTITY ON-SITE TO ACHIEVE THE REQUIRED GRADES INDICATED WITHIN THIS DRAWING SET PRIOR TO ANY OTHER CONSTRUCTION. 2.1. IF MATERIAL IS TO BE HAULED FROM OFF-SITE SOURCES THE MATERIAL SHALL BE OF LIKE MATERIAL COMPOSITION AS TO WHAT IS

AFTER ROUGH EARTHWORK IS COMPLETE AND CONTRACTOR DETERMINES THAT SUFFICIENT MATERIAL IS AVAILABLE TO ACHIEVE THE REQUIRED

5. GRADES NOT OTHERWISE INDICATED SHALL BE UNIFORM LEVELS OR SLOPES BETWEEN POINTS WHERE ELEVATIONS ARE GIVEN, OR BETWEEN

6. THE CONTRACTOR WILL BE REQUIRED TO LIMIT THE AMOUNT OF DUST AND WIND TRANSPORTED MATERIALS FROM OCCURRING ON AND OFF THE PROJECT SITE DURING AND AFTER WORKING HOURS SEVEN (7) DAYS A WEEK THROUGHOUT THE DURATION OF THE PROJECT. 6.1. THE CONTRACTOR SHALL PHASE WORK ON THE SITE AND USE WATER, TEMPORARY COVER, AND/OR DUST CONTROL AGENTS TO LIMIT THE AMOUNT OF DUST AND OTHER WIND-BORNE MATERIALS FROM EXITING THE PROJECT SITE. 6.2. IF DUST FROM THE PROJECT SITE BECOMES EXCESSIVE, THE CONTRACTOR WILL BE REQUIRED TO TAKE ANY AND ALL MEASURES

7. CONTRACTOR SHALL LIMIT THE AMOUNT OF EROSION DUE TO STORM EVENTS AND ANY EROSION AREAS SHALL BE RESHAPED AND REPAIRED TO THE LINES AND GRADES SHOWN IN THE DRAWINGS IN A TIMELY MANNER WHEN CONDITIONS ALLOW. 8. WHEN THE FINISHED FLOOR (FF) ELEVATION IS INDICATED ON THE GRADING PLAN, IT IS TO BE UNDERSTOOD THAT IT IS A RECOMMENDATION BASED UPON THE DRAINAGE DESIGN OF THE PROJECT. THIS RECOMMENDED FINISHED FLOOR ELEVATION (FF) IS SUBJECT TO CHANGE UPON

8.1. THE OWNER AND THE DESIGN PROFESSIONAL OF THE BUILDING WILL BE SOLELY RESPONSIBLE FOR ADJUSTING THE FINISHED FLOOR (FF) ELEVATION UPON VERIFICATION OF CURRENT CONDITIONS AND ALL CURRENT APPLICABLE LAWS, STATUTES, RULES, REGULATIONS, ORDINANCES, CODES, AND ORDERS OF ANY AND ALL GOVERNMENTAL BODIES, AGENCIES, AUTHORITIES, AND COURTS HAVING

PRIOR TO COMMENCING GRADING ACTIVITIES, ALL IMPROVEMENTS SHALL BE PROTECTED FROM DAMAGE.

1.1. IF ANY IMPROVEMENT IS DAMAGED. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF THE ITEM DAMAGED

3. ANY ADJUSTMENTS TO THE LINES. GRADES. AND ELEVATIONS SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE.

4. AREAS TO RECEIVE FILL SHALL BE STRIPPED OF ALL VEGETATION, HUMUS, AND OTHER OBJECTIONABLE MATTER ENCOUNTERED WITHIN THE

4.1. THIS MATERIAL, WITH THE EXCEPTION OF OBJECTIONABLE MATTER, SHALL BE STOCKPILED, IF FEASIBLE, AND REUSED AS SURFACE

4.2. OBJECTIONABLE MATTER SHALL BE DETERMINED BY THE OWNER'S REPRESENTATIVE AND SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS, UNLESS OTHERWISE INSTRUCTED BY

5. EXCESS SOIL MATERIAL FROM GRADING ACTIVITIES SHALL NOT BE REMOVED FROM THE SITE, UNLESS DIRECTED BY THE OWNER'S

6. ALL FILL SHALL BE PLACED IN LAYERS APPROXIMATELY PARALLEL TO THE FINISH GRADE AND IN LAYERS NOT IN EXCESS OF SIX-INCHES (6") ANY EARTHWORK QUANTITIES SHOWN WITHIN THE DRAWINGS ARE FOR INFORMATIONAL PURPOSES ONLY AND MAY NOT REFLECT THE ACTUAL

1. ALL EXCAVATION SHALL BE IN ACCORDANCE WITH THE TRENCH SAFETY PROGRAM THAT HAS BEEN DEVELOPED AND IMPLEMENTED BY THE

3. WATER ACCUMULATION IN EXCAVATIONS EXCEEDING ONE-INCH (1") SHALL BE PUMPED OUT PRIOR TO CONTINUING CONSTRUCTION OR AS

4. TRENCHES SHALL NOT BE LEFT OPEN OR UNSECURED AFTER NORMAL WORKING HOURS OR WHILE WORKERS ARE NOT PRESENT ON-SITE. 4.1. IF TRENCHES ARE LEFT OPEN, THEY SHALL BE COVERED AND APPROPRIATE AND ADEQUATE BARRICADES SHALL BE PLACED TO PREVENT

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GENERAL NOTES (1 OF 2)



1. AL TH	IMPROVEMENTS. ATER UTILITY NOTES L STORM SEWER SHALL BE AS INDICATED ON THE DRAWINGS AND SHALL BE INSTALLED, BEDDED, AND BACK FILLED IN ACCORDANCE WITH E STANDARDS, DETAILS, INDUSTRY STANDARDS, AND MANUFACTURERS RECOMMENDATIONS.
3. AL	L REINFORCED CONCRETE PIPE (RCP) JOINTS SHALL BE WRAPPED WITH GEOTEXTILE. L DITCHES SHALL BE GRADED TO THE PROPOSED ELEVATIONS TO ENSURE PROPER DRAINAGE. L OUTFALLS SHALL BE PROPERLY BACKFILLED AND COMPACTED.
1. TH QL QL 2. PF 3. AL FC 4. PL HA 5. NC 6. WA 6. 7. DE 8. TH 8. TH 8. TH 8. 9. LO LO 10. QL EXISTING 1. AS	ILITY NOTES IS WATER DISTRIBUTION SYSTEM MUST BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT TEXAS COMMISSION ON ENVIRONMENTAL ALITY (TCEQ) RULES AND REGULATIONS FOR PUBLIC WATER SYSTEMS 30 TEXAS ADMINISTRATIVE CODE (TAC) CHAPTER 290 SUBCHAPTER D. IOR TO COMMENCEMENT OF CONSTRUCTION, THE SYSTEM OWNER'S REPRESENTATIVE MUST NOTIFY THE APPROPRIATE TCEQ REGIONAL FICE. L NEWLY INSTALLED PIPES AND RELATED PRODUCTS MUST CONFORM TO THE AMERICAN NATIONAL STANDARDS INSTITUTE/NATIONAL UNDATION (NSF/NSF) STANDARD 61 AND MUST BE CERTIFIED BY AN ORGANIZATION ACCREDITED BY ANSI. ASTIC PIPE FOR USE IN PUBLIC WATER SYSTEMS MUST BEAR THE NATIONAL SANITATION FOUNDATION SEAL OF APPROVAL (NSF-pw) AND VE AN ASTM DESIGN PRESSURE RATING OF AT LEAST 150 PSI OR A STANDARD DIMENSION RATIO OF 26 OR LESS. PIPE WHICH HAS BEEN USED FOR ANY PURPOSE OTHER THAN THE CONVEYANCE OF DRINKING WATER SHALL BE ACCEPTED OR LOCATED FOR USE IN ANY PUBLIC WINKING WATER SUPPLY. TER TRANSMISSION AND DISTRIBUTION LINES MUST BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. I. HOWEVER, THE TOP OF THE WATER LINE MUST BE LOCATED BELOW THE FROST LINE AND IN NO CASE SHALL THE TOP OF THE WATER LINE BE LESS THAN 36-INCHES BELOW THE GROUND SURFACE. FLECTION OF WATERLINE HORIZONTALLY AND/OR VERTICALLY MAY <u>OR</u> MAY NOT BE INDICATED ON THE DRAWINGS. E CONTRACTOR SHALL DISINFECT THE NEW WATER MAINS IN ACCORDANCE WITH AWWA STANDARD C651 AND PROJECT SPECIFICATIONS AND EN FLUSH AND SAMPLE THE LINES BEFORE BEING PLACED INTO SERVICE. I. SAMPLES SHALL BE COLLECTED FOR MICROBIOLOGICAL ANALYSIS TO CHECK THE EFFECTIVENESS OF THE DISINFECTION PROCEDURE WHICH SHALL BE COLLECTED FOR MICROBIOLOGICAL ANALYSIS TO CHECK THE EFFECTIVENESS OF THE DISINFECTION PROCEDURE CATION OF WATER LINES, SERVICE CONNECTIONS, VALVES, FIRE HYDRANTS, FITTINGS, AND OTHER ITEMS ARE APPROXIMATE AND ARE TO BE CATION OF WATER LINES, SERVICE CONNECTIONS, VALVES, FIRE HYDRANTS, FITTINGS, AND OTHER ITEMS ARE APPROXIMATE AND ARE TO BE CATED IN ACCORDANCE WITH THE STANDARD DETA
1. <i>1</i> 2. CC	 PAVEMENT SHALL BE SAW-COT FOLL DEPTH WHERE EXISTING PAVEMENT IS BEING PARTIALLT REMOVED. AT A MINIMUM, PAVEMENT REPAIR SHALL CONSIST OF TWO-INCH (2") HOT MIX ASPHALTIC CEMENT (HMAC) AND TWELVE-INCH (12") COMPACTED FLEXIBLE BASE IN ACCORDANCE WITH THE SPECIFICATIONS. 1.2.1. BASE SHALL BE COMPACTED TO A MINIMUM OF NINETY-EIGHT PERCENT (98%) MODIFIED PROCTOR IN ACCORDANCE WITH ASTM D1557 AT MOSITURE CONTENT -1% TO +3% OF OPTIMUM. 1.2.2. IF THE EXISTING PAVEMENT SECTION IS FOUND TO BE THICKER, THE PAVEMENT REPAIR SECTION SHALL BE INCREASED TO MATCH THE EXISTING SECTION. NCRETE PAVEMENT I. PAVEMENT SHALL BE SAW-CUT FULL DEPTH WHERE EXISTING PAVEMENT IS BEING PARTIALLY REMOVED.
2.	 1.2.1. BASE SHALL BE COMPACTED TO A MINIMUM OF NINETY-EIGHT PERCENT (98%) MODIFIED PROCTOR IN ACCORDANCE WITH ASTM D1557 AT MOSITURE CONTENT -1% TO +3% OF OPTIMUM. 1.2.2. IF THE EXISTING PAVEMENT SECTION IS FOUND TO BE THICKER, THE PAVEMENT REPAIR SECTION SHALL BE INCREASED TO MATCH THE EXISTING SECTION. NCRETE PAVEMENT

CONTRACTOR WILL BE REQUIRED TO HAVE THE SUBGRADE AND PROPOSED BASE MATERIALS TESTED BY AN APPROVED GEOTECHNICAL STING LABORATORY FOR THE ESTABLISHMENT OF AN OPTIMUM SOIL MOISTURE AND DENSITY PROCTOR.

REPORT COPIES SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE PRIOR TO PERFORMING ANY WORK REQUIRING THE MATERIALS. ROVEMENTS WITHIN THE PAVEMENT AREA SHALL BE MARKED BY THE CONTRACTOR SO THAT AFTER PAVING ACTIVITIES ARE COMPLETE, THE PROVEMENTS CAN BE ADJUSTED TO WITHIN ONE-QUARTER INCH (1/4") OF THE FINAL SURFACE, UNLESS OTHERWISE REQUIRED BY OTHER TAILS OR THE OWNER'S REPRESENTATIVE.

OR TO PLACEMENT OF ANY PAVING IMPROVEMENTS, ALL UNDERGROUND IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO: SANITARY SEWER LITIES, STORM SEWER UTILITIES, WATER UTILITIES, SLEEVES FOR ELECTRICAL UTILITIES, SLEEVES FOR IRRIGATION UTILITIES, SLEEVES FOR MMUNICATION UTILITIES, AND OTHER UNDERGROUND IMPROVEMENTS THAT ARE REQUIRED AND ARE BENEATH AND ADJACENT TO THE PAVING ROVEMENTS SHALL BE INSTALLED IN ACCORDANCE WITH THE DRAWINGS AND INDUSTRY STANDARDS, VERIFIED BY THE CONTRACTOR, AND S ALL TESTING REQUIREMENTS.

THE CONTRACTOR MAY PROCEED SOLELY AT THE CONTRACTOR'S OWN RISK IN THE PLACEMENT OF PAVING IMPROVEMENTS PRIOR TO THE VERIFICATION AND FINAL TESTING OF UNDERGROUND IMPROVEMENTS WITH ANY COSTS RESULTING FROM THE VERIFICATION OR TESTING FAILURE BEING SOLELY AT THE CONTRACTOR'S EXPENSE.

. IF IT IS DETERMINED THAT THE CONTRACTOR HAS FAILED TO PLACE THE UNDERGROUND IMPROVEMENTS AS INDICATED ON THE DRAWINGS AND/OR FAILED TO VERIFY THE LOCATION PRIOR TO THE PLACEMENT OF PAVING IMPROVEMENTS, THEN ANY COSTS RESULTING FROM ACTIVITIES TO REMEDY THE SITUATION SHALL BE SOLELY AT THE CONTRACTOR'S EXPENSE.

ERE THE PROPOSED PAVEMENT IMPROVEMENTS MEET THE EXISTING PAVEMENTS, THE CONTRACTOR SHALL SAW CUT THE PAVEMENT IN A THAT IS PARALLEL TO THE PROPOSED PAVEMENT EDGE TO A POINT THAT IS NOT DAMAGED AND AT A MINIMUM DISTANCE OF TWO FEET BEYOND THE START OF THE PROPOSED PAVEMENT.

AND ACCESSIBILITY RAMP CONSTRUCTION

ALL SIDEWALKS AND ACCESSIBILITY RAMPS (CURB RAMPS, RAMPS, ETC.) ON THIS PROJECT ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE TEXAS ACCESSIBILITY STANDARDS (TAS), LATEST EDITION; WHEN THE DETAILS AND NOTES AS SHOWN IN THE DRAWINGS ARE IN CONFLICT WITH THE TAS, THEN THE TAS REQUIREMENTS SHALL BE USED.

CONTRACTOR SHALL CONSTRUCT THE SIDEWALK TO THE LINES, GRADES, AND ELEVATIONS AS REQUIRED BY THE SPECIFICATIONS AND AS ICATED WITHIN THE DRAWINGS.

ANY ADJUSTMENTS TO THE LINES, GRADES, AND ELEVATIONS SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE.

PROVEMENTS WITHIN THE SIDEWALK SURFACE SHALL BE ADJUSTED TO WITHIN PLUS OR MINUS ONE-QUARTER INCH $(\pm 1/4")$ of the final RFACE WITH THE EDGE BEING ROUNDED, UNLESS OTHERWISE REQUIRED BY OTHER DETAILS OR THE OWNER'S REPRESENTATIVE.

ERE THE PROPOSED SIDEWALK IMPROVEMENTS MEET THE EXISTING SIDEWALK, THE CONTRACTOR SHALL PERFORM THE FOLLOWING: . IF THE POINT OF THE EXISTING SIDEWALK EDGE WHERE THE PROPOSED IS TO ABUT TO IS DAMAGED, CRACKED, AND/OR IN A CONDITION THAT WILL NOT ALLOW FOR THE PROPOSED SIDEWALK TO PROPERLY TIE-INTO, THE CONTRACTOR SHALL PERFORM ONE OF THE FOLLOWING:

3.1.1. SAW CUT THE SIDEWALK AT A CONTROL JOINT WITH, AT ALL TIMES, LEAVING A MINIMUM OF 2 CONTROL JOINT SECTIONS BETWEEN AN EXPANSION JOINT AND THE PROPOSED SIDEWALK.

3.1.2. BREAK OUT THE SIDEWALK AT AN EXPANSION JOINT IN A MANNER THAT WILL NOT DAMAGE THE EXISTING.

INSTALL TWELVE-INCH (12") DOWELS WITH SIX-INCHES (6") BEING WITHIN THE EXISTING SIDEWALK BY DRILLING AND USING EPOXY ADHESIVE ANCHOR (HILTI No. HIT HY150 OR OWNER'S REPRESENTATIVE APPROVED EQUAL) AND THE OTHER PORTION OF THE DOWEL WITHIN THE PROPOSED SIDEWALK.

. IF THE SIDEWALK WIDTHS ARE DIFFERENT, THE CONTRACTOR SHALL PROVIDE A TRANSITIONAL AREA AS NOTED ON THE DRAWINGS OR AS REQUIRED BY THE OWNER'S REPRESENTATIVE.

PAVEMENT MARKINGS

REGULATORY SIGNS, WARNING SIGNS, OBJECT MARKERS, AND BARRICADES SHALL BE IN ACCORDANCE WITH THE LATEST VERSION OF THE (AS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD) AND STANDARD HIGHWAY SIGN DESIGNS FOR TEXAS (SHSD). CONTRACTOR SHALL INSTALL ALL REGULATORY SIGNS, WARNING SIGNS, OBJECT MARKERS, BARRICADES, AND PAVEMENT MARKINGS IN CORDANCE WITH THE DRAWINGS, SPECIFICATIONS, AS INDICATED BY THE OWNER'S REPRESENTATIVE, AND MANUFACTURER'S

COMMENDATIONS AS SOON AS PRACTICABLE AND PRIOR TO OPENING TO THE PUBLIC.

CONNECTORS AND FASTENERS USED TO ATTACH THE SIGN TO THE POST SHALL BE GALVANIZED STEEL.

N(S) SHALL BE INSTALLED AT TIME OF POST INSTALLATION TO ENSURE THE SIGN(S) WILL FACE THE CORRECT DIRECTION.

CONTRACTOR SHALL VERIFY LOCATIONS OF UNDERGROUND UTILITIES AND STRUCTURES PRIOR TO EXCAVATION.

REGULATORY SIGNS, WARNING SIGNS, OBJECT MARKERS, AND BARRICADES DAMAGED PRIOR TO ACCEPTANCE SHALL BE REPLACED BY THE NTRACTOR AT THE CONTRACTOR'S EXPENSE.

AN-UP AND SITE PREPARATION

CONTRACTOR WILL BE REQUIRED TO REMOVE EXCESS MATERIALS AND CONSTRUCTION DEBRIS FROM THE PROJECT SITE, CLEAN ALL NDS AND SIDEWALKS, CLEAR THE STORM SEWER OF SILT AND DEBRIS, CLEAR THE SANITARY SEWER OF DEBRIS, BRING ALL MANHOLES, VE BOX COVERS, FIRE HYDRANTS TO PROPER GRADE, AND CLEAR THE SITE OF ALL EQUIPMENT TO THE SATISFACTION OF THE OWNER'S PRESENTATIVE.

'ERIALS LARGER THAN FOUR-INCHES (4") IN SIZE WITHIN THE CONSTRUCTION LIMITS AND NOT INCORPORATED INTO THE PROJECT SHALL REMOVED BY THE CONTRACTOR FROM THE PROJECT AND DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS, LESS OTHERWISE DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.

DSION AND POLLUTION CONTROL DEVICES SUCH AS, BUT NOT LIMITED TO, REINFORCED SILT FENCE, INLET PROTECTION, HAY BALES, AND HER DEVICES AS DIRECTED BY THE OWNER'S REPRESENTATIVE SHALL BE VERIFIED AND REMEDIED TO MEET THE REQUIREMENTS OF THE /ICE AND OWNER'S REPRESENTATIVE.

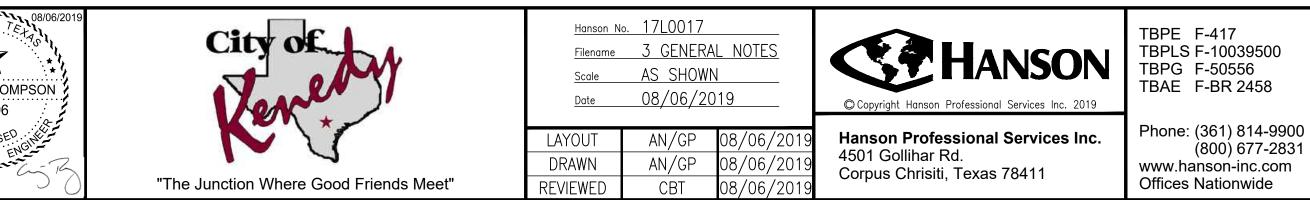
THE CONSTRUCTION ENTRANCE SHALL BE REMOVED IN ITS ENTIRETY UNLESS OTHERWISE STATED BY THE ENGINEER. ADDITIONAL EROSION AND POLLUTION CONTROL DEVICES MAY BE REQUIRED TO HAVE THE PROJECT SITE IN COMPLIANCE WITH LOCAL,

STATE, AND FEDERAL REGULATIONS. CONTRACTOR SHALL GRADE AND STABILIZE THE SITE TO PREPARE THE SITE FOR THE INTENDED USE TO THE SATISFACTION OF THE NER'S REPRESENTATIVE.

DRAWINGS

CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING TWO (2) SETS OF "AS-BUILT" DRAWINGS SHOWING ILLUSTRATIONS AND/OR NOTES ALL FIELD CHANGES AND MODIFICATIONS TO THE DRAWINGS AS ISSUED FOR THE PROJECT. AS-BUILT DRAWINGS SHALL BE SIGNED BY ALL CONTRACTOR DESIGNEE(S) AND INSPECTOR(S).

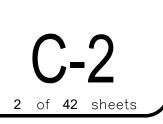
PROJECT COMPLETION, ALL SETS OF "AS-BUILT" DRAWINGS MUST BE SUBMITTED TO THE OWNER'S REPRESENTATIVE PRIOR TO PROJECT L ACCEPTANCE AND FINAL RELEASE OF PAYMENT.



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GENERAL NOTES (2 OF 2)



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	ABBREVIATION DEFINITIONS	VIATION DEFINITION OF THE INFORMATION
		LTIPLE DEFINITIONS AND/OR IF AT ANY PO
		EST CLARIFICATION FROM THE OWNER'S R
	AC - ACRE	EL - ELEVATION
	ACP - ARCH CONCRETE PIPE	ELEC - ELECTRICAL
	ADA - AMERICAN WITH DISABILITIES ACT	ELEV - ELEVATION
	AE - ACCESS EASEMENT	EJ - EXPANSION JOINT
	AEP - AMERICAN ELECTRIC POWER	EOR - EDGE OF RADIUS
	BB - BACK OF CURB TO BACK OF CURB	EP - EDGE OF PAVEMENT
	BC - BACK OF CURB	EW - EACH WAY
	BRK - BROKEN	EX - EXISTING
	BL - BUILDING LINE	EXIST - EXISTING
	BM - BENCHMARK	EXP - EXPANSION
	BW - BOTH WAYS	F - FUTURE
	C - RUNOFF COEFFICIENT	FC - FENCE CORNER
	CI - CURB INLET	FD - FOUND
	CL - CENTERLINE	FF - FINISHED FLOOR
		FG - FINISH GRADE
	CO - CLEANOUT	FH - FIRE HYDRANT
	CONC - CONCRETE	FL - FLOWLINE
		FM - FORCEMAIN
	COMM - COMMUNICATION	FOC - FIBER OPTIC CABLE
	D - DRAINAGE / STORM	FT - FEET
	DBL - DOUBLE	G - GAS
	DE - DRAINAGE EASEMENT	GB - GRADE BREAK
	DI - DUCTILE IRON	GI - GRATE INLET
	DR - DEED RECORDS	GT - GUTTER
	DS - DOWN STREAM	GW - GUY WIRE
	E - ELECTRICAL	HDPE - HIGH DENSITY POLYETHYLENE

ECP - ELLIPTICAL CONCRETE PIPE

EE - ELECTRICAL EASEMENT

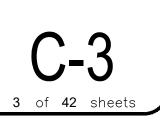
HG - HYDRAULIC GRADE HGL - HYDRAULIC GRADE LINE

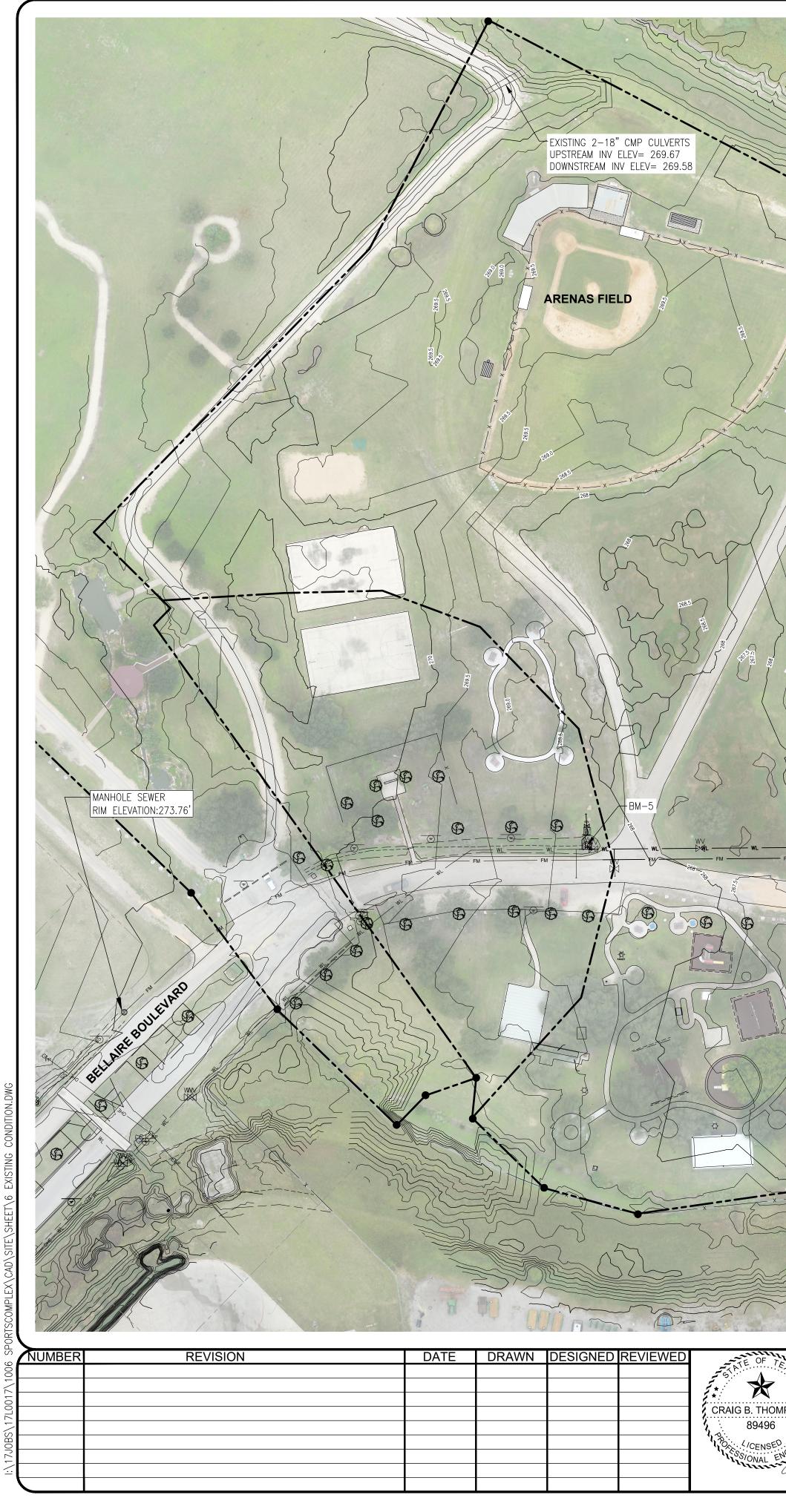
_№. 17L0017 HANSON 5 GENERAL LEGEND AS SHOWN 08/06/2019 © Copyright Hanson Professional Services Inc. 2019 Phone: (361) 814-9900 (800) 677-2831 Hanson Professional Services Inc. 4501 Gollihar Rd. AN/GP 08/06/2 AN/GP 08/06/201 www.hanson-inc.com Offices Nationwide Corpus Chrisiti, Texas 78411 CBT

OF THE INFORMATION THAT MAY BE COMMONLY FOUND WITHIN THE CIVIL PORTION OF CONSTRUCTION DRAWINGS. IN SOME AND/OR IF AT ANY POINT THAT AN ABBREVIATION IS NOT CLEAR FOR WHAT IT REPRESENTS IT WILL BE THE RESPONSIBILITY OF FROM THE OWNER'S REPRESENTATIVE. HP - HIGH-PERFORMANCE PL - PROPERTY LINE SY - SQUARE YARDS POLYPROPYLENE PP - POWER POLE T - TELEPHONE HMAC - HOT MIX ASPHALTIC CONCRETE PR - PROPOSED TC - TOP OF CURB I - INTENSITY PRO - PROPOSED TDLR - TEXAS DEPARTMENT OF IR - IRON ROD PROP - PROPOSED LICENSING AND REGULATION PT - POINT OF TANGENCY LF - LINEAR FEET TEL - TELEPHONE LOC - LIMITS OF CONSTRUCTION PVC - POLYVINYL CHLORIDE TG - TOP OF GRATE LT - LEFT Q - FLOW TP - TOP OF PAVEMENT TRW - TOP OF RETAINING WALL MAX - MAXIMUM Qt - TOTAL FLOW ME - MATCH EXISTING TS - TOP OF SLOPE RC - REINFORCED CONCRETE MH - MANHOLE RCP - REINFORCED CONCRETE PIPE TW - TOP OF WALK M.J - MECHANICAL JOINT **REFL - REFLECTIVE** TxDOT - TEXAS DEPARTMENT OF MIN. - MINIMUM ROW - RIGHT-OF-WAY TRANSPORTATION MR - MAP RECORDS R.O.W. - RIGHT-OF-WAY TY - TYPE NAVD - NORTH AMERICAN VERTICAL RT - RIGHT TYP - TYPICAL DATUM S - SLOPE TV - TELEVISION NG - NATURAL GROUND S - SANITARY / WASTEWATER UE - UTILITY EASEMENT NGVD - NATIONAL GEODETIC VERTICAL SAN - SANITARY / WASTEWATER US - UP STREAM DATUM SS - SANITARY / WASTEWATER VG - VALLEY GUTTER NO. - NUMBER SD - SOLID VOL - VOLUME OC - ON CENTER SE - SANITARY EASEMENT W - WATER O.C. - ON CENTER SF - SQUARE FEET W - WHITE SGM - SANITARY GRAVITY MANHOLE OHE - OVERHEAD ELECTRIC WE - WATER EASEMENT PAVE - PAVEMENT ST - STORM WHT - WHITE PC - POINT OF CURVATURE STA - STATION WL - WATER LINE PE - PRIVATE EASEMENT WTR - WATER STRM - STORM PG - PAGE WV - WATER VALVE STM - STORM PG - PROPOSED GRADE YLW - YELLOW SW - SIDEWALK PI - POINT OF INTERSECTION YR - YARD REQUIREMENT

TBPE F-417 TBPLS F-10039500 TBPG F-50556 TBAE F-BR 2458

GENERAL LEGEND





HORIZONTAL AND VERTICAL CONTROL BENCHMARKS

BENCHMARKS	NORTHING	EASTING	ELEVATION	DE	
BM-5	13482663.77'	2332953.83'	271.38'	X MARK ON	
BM-6	13483043.55'	2333224.99'	267.71'	5/8" IRON I	
BM-7	13482983.50'	2332427.63'	269.98'	SE	
BM-8	13483686.37'	2332772.00'	269.73'	5/8" IRON I	

ALL COORDINATES ARE BASED ON THE TEXAS COORDINATE SYSTEM FOR THE LAMBERT SOUTH CENTRAL ZONE (NAD83) CORS96, EPOCH 2002. ELEVATIONS ARE BASED ON THE VERTICAL DATUM OF NAVD88, GEOID12B.

RED HOLCHAK FIELD

BM-7

hi

ANNADEL ROGERS FIELD

City of
"The Junction Where Good Friends Mee

<u>Hanson</u> N	o. 17L0017	
Filename	6 EXISTINO	<u>CONDIT</u> ION
Scale	AS SHOWN	
Date	08/06/20	19
LAYOUT	AN/GP	08/06/2019
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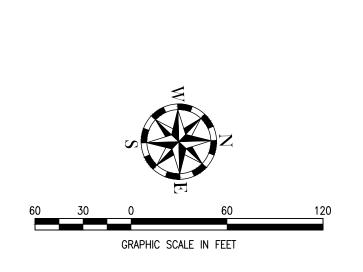
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PROPERTY LINE

WASSO DE LA GARZA FIELD

Hanson Professional Services Inc. 4501 Gollihar Rd. Corpus Chrisiti, Texas 78411





NOTES:

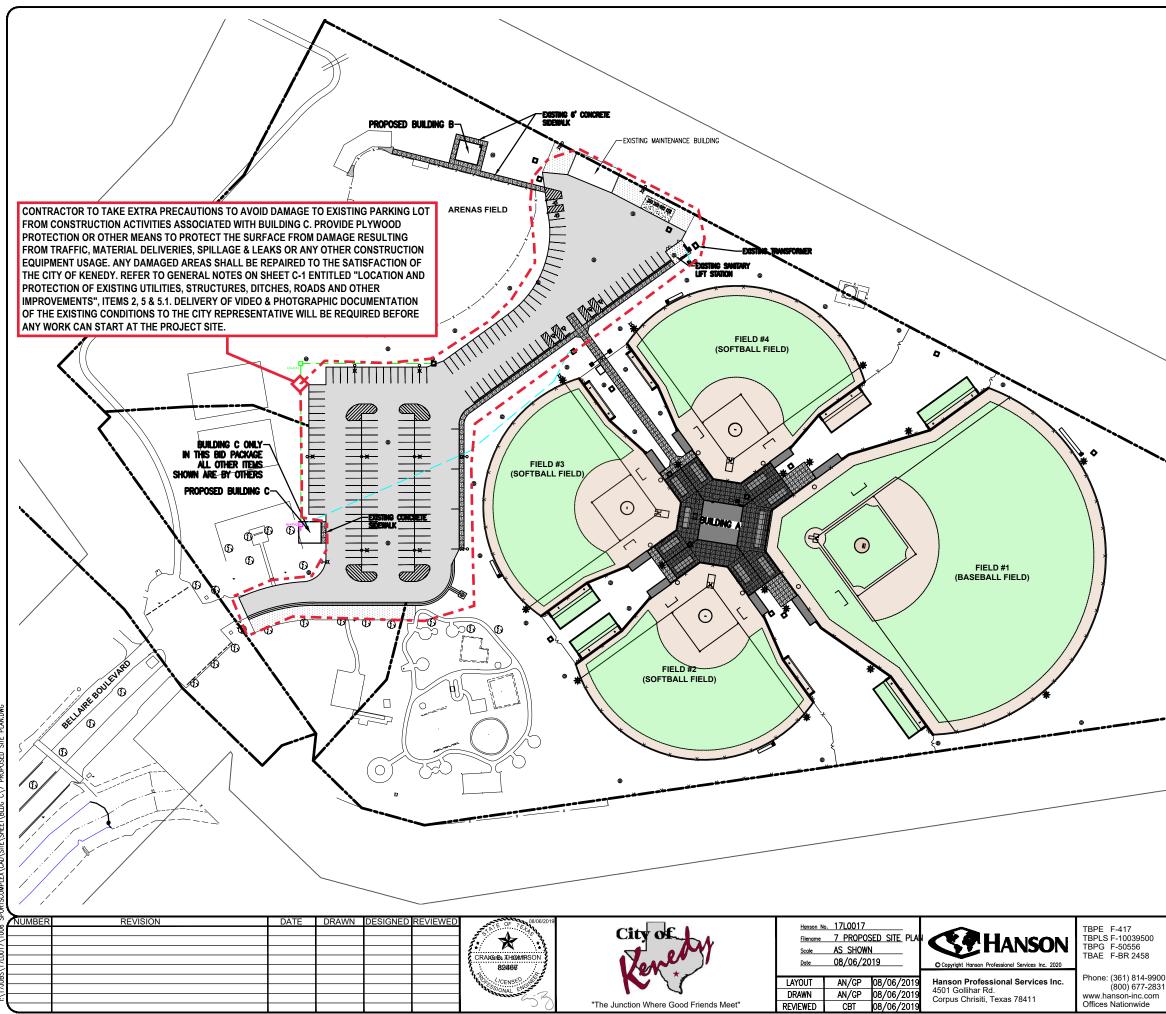
1. EXISTING CONDITIONS REFLECT THE SITE AT TIME OF SURVEY. SEE DEMOLITION PLAN FOR SUMMARY OF EXISTING SITE FEATURES THAT WILL BE REMOVED UNDER SEPARATE CONTRACT PRIOR TO START OF CONSTRUCTION.

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EXISTING CONDITIONS







LEGEND FENCE

- STORM SEWER MANHOLE Ø
- SANITARY SEWER MANHOLE 6
- ¤~• **₩** light pole

HAND HOLE

NOTE:

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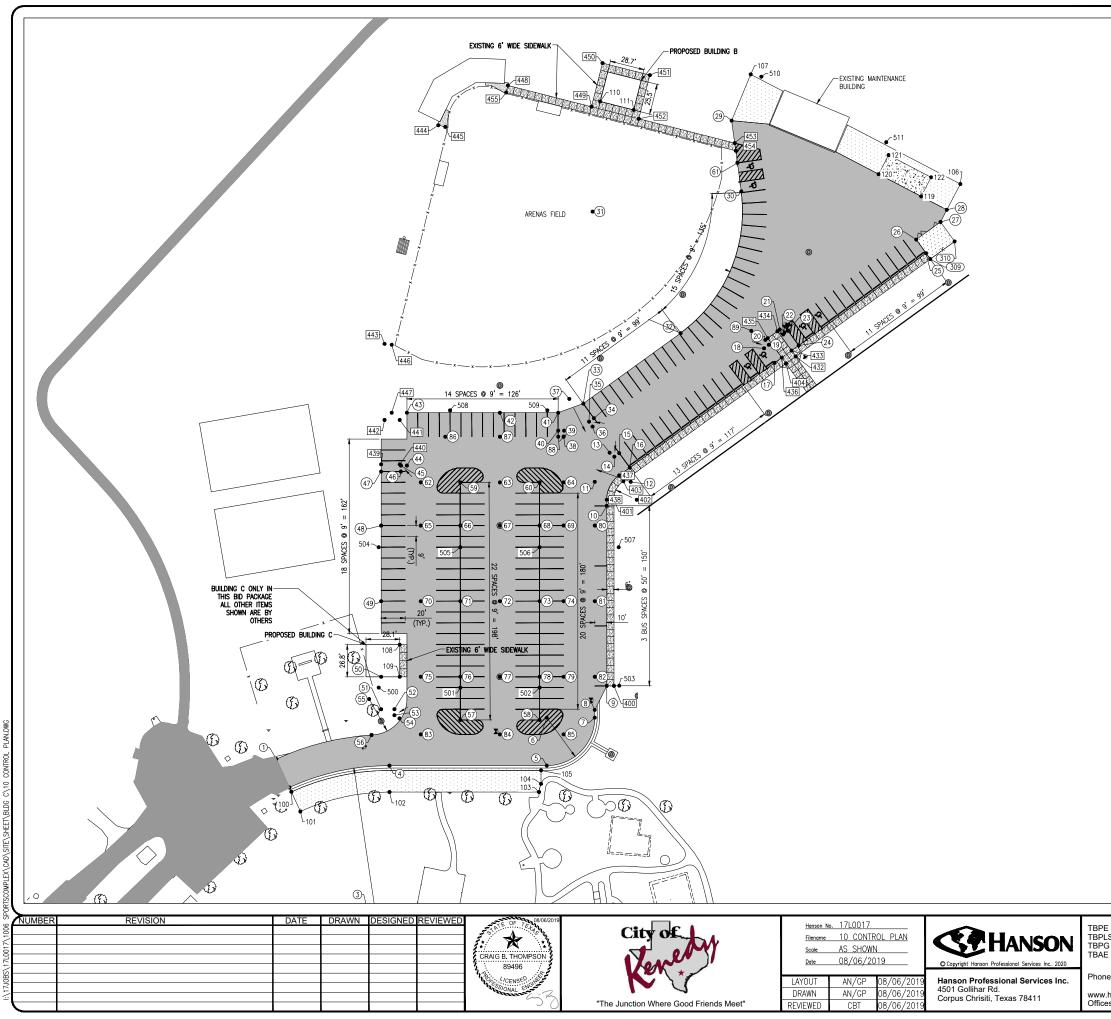
- SEE ELECTRICAL PLANS FOR SITE ELECTRICAL AND LIGHTING DETAILS. 1.
- 2. SEE ARCHITECTURAL AND STRUCTURAL PLANS FOR BUILDING, ENTRANCE ARCHWAY AND DUGOUT DETAILS.
- CONTRACTOR SHALL RESTORE 3. CUNITACION SHALL RESIDNE DISTURBED AREAS AFFECTED BY CONSTRUCTION. ANY EXISTING PAVEMENT OR SIDEWALK THAT IS DAMAGED SHALL BE REMOVED AND REPLACED.

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PROPOSED SITE PLAN





60	60 30 0 60 120 GRAPHIC SCALE IN FEET					
	EXISTING SIDEWA CONCRETE SLAB EXISTING FENCE PARKING LOT CO SIDEWALK CONTR FIELD COMPLEX POINT	T PAVEMENT ED LIMESTONE LIMITS LK PAVEMENT DNTROL POINT ROL POINT				
AN - (1 OF DRAWINGS F		C-8				

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LAYOUT PL/

CONSTRUCTION LARRY KIESLING YOUTH SPORTS COMPLEX CITY OF KENEDY

C-8 8 of 42 sheets

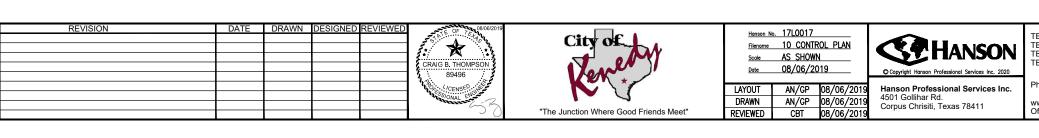
	PARKING LOT CONTROL POINTS				
POINT #	DESCRIPTION	ELEVATION	NORTHING	EASTING	
	PAVEMENT	269.10'	13482739.19	2332849.00	
	PAVEMENT	268.47'	13482739.19	2332912.00	
-83	PAVEMENT	269.18'	13482594.19	2332960.00	
	PAVEMENT	268.85'	13482660.19	2332960.00	
	PAVEMENT	268.36'	13482713.19	2332960.00	
	PAVEMENT	269.79'	13482614.69	2332712.00	
	PAVEMENT	268.86'	13482660.19	2332712.00	
	PAVEMENT	269.35'	13482708.69	2332712.00	
	PAVEMENT	269.36'	13482869.58	2332623.78	

CRUSHED LIMESTONE & GENERAL CONTROL POINTS					
point #	DESCRIPTION	ELEVATION	NORTHING	EASTING	
	CRUSHED LIMESTONE EDGE	269.35'	13482486.41	2333007.84	
	CRUSHED LIMESTONE EDGE	270.00'	13482493.91	2333024.21	
-102	CRUSHED LIMESTONE EDGE	269.03'	13482568.12	2333008.00	
	CRUSHED LIMESTONE EDGE	268.75'	13482692.77	2333007.98	
-104	CRUSHED LIMESTONE EDGE	268.60'	13482694.41	2333001.18	
	CRUSHED LIMESTONE EDGE	268.29'	13482694.41	2332990.00	
	CRUSHED LIMESTONE EDGE	269.30'	13483043.77	2332501.44	
	CRUSHED LIMESTONE EDGE	270.10'	13482869.11	2332410.07	
108	BUILDING C REFERENCE POINT	270.50'	13482576.69	2332885.22	
109	BUILDING C REFERENCE POINT	270.50'	13482576.69	2332912.00	
	BUILDING B REFERENCE POINT	270.50'	13482743.75	2332432.68	
111	BUILDING B REFERENCE POINT	270.50'	13482771.57	2332439.74	
-112	ENTRANCE ARCWAY COLUMN	269.34'	13482937.48	2332672.31	
	ENTRANCE ARCWAY COLUMN	269.34'	13482914.80	2332688.74	
	TICKET BOOTH REFERENCE POINT	270.00'	13482929.13	2332693.18	
	BUILDING A REFERENCE POINT	270.50'	13483054.81	2332858.19	
-116	BUILDING A REFERENCE POINT	270.50'	13483104.19	2332866.08	
	BUILDING A REFERENCE POINT	270.50'	13483096.29	2332915.46	
-118	BUILDING A REFERENCE POINT	270.50'	13483046.92	2332907.56	
-119	DUMPSTER PAD/PAVEMENT EDGE	269.70'	13483011.10	2332511.76	
-120	DUMPSTER PAD/PAVEMENT EDGE	269.70'	13482975.66	2332493.22	
	DUMPSTER PAD/PAVEMENT EDGE	269.88'	13482984.00	2332477.27	
_122	DUMPSTER PAD/PAVEMENT EDGE	269.88 '	13483019.44	2332495.81	

PARKING LOT CONTROL POINTS				
POINT #	DESCRIPTION	ELEVATION	NORTHING	EASTING
-41	PAVEMENT EDGE	269.65'	13482708.69	2332692.00
-42	PAVEMENT EDGE	269.16'	13482660.19	2332692.00
-43	PAVEMENT EDGE/SIDEWALK EDGE	270.41'	13482582.69	2332692.00
-44	PAVEMENT EDGE/SIDEWALK EDGE	270.33'	13482582.69	2332736.00
-45	CENTER POINT OF 5' RADIUS	270.37'	13482577.69	2332736.00
-46	PAVEMENT EDGE/SIDEWALK EDGE	270.28'	13482577.69	2332741.00
_47	PAVEMENT EDGE/SIDEWALK EDGE	270.32'	13482561.19	2332741.00
-48	PAVEMENT EDGE	269.87'	13482561.19	
-49	PAVEMENT EDGE	270.12	13482561.19	
-50	PAVEMENT EDGE	269.78'	13482561.19	
-51	PAVEMENT EDGE	269.65'	13482561.19	
-52	PAVEMENT EDGE	269.48'	13482572.27	
-53	CENTER POINT OF 5' RADIUS	269.48	13482572.27	
-54	PAVEMENT EDGE	269.38'	13482576.49	
-55	CENTER POINT OF 30' RADIUS	269.38	13482551.19	
-56	PAVEMENT EDGE	269.32	13482553.18	
-57	ISLAND MARKING REFERENCE POINT	268.88'	13482627.19	
-58	ISLAND MARKING REFERENCE POINT	268.86'	13482693.19	
-59	ISLAND MARKING REFERENCE POINT	269.16'	13482627.19	2332750.00
-60	ISLAND MARKING REFERENCE POINT	268.75'	13482693.19	
-61	ISLAND MARKING REFERENCE POINT	269.93'	13482858.05	
-62	PAVEMENT	269.85'	13482594.19	
-63	PAVEMENT	268.29'	13482660.19	
-64	PAVEMENT	269.33'	13482713.19	2332750.00
-65	PAVEMENT	269.33	13482594.19	
-66	PAVEMENT	269.27	13482627.19	
-67	PAVEMENT	267.75'	13482660.19	
-68	PAVEMENT	267.75	13482693.19	
-69	PAVEMENT	269.08'	13482713.19	2332786.00
-70	PAVEMENT	269.00	13482594.19	2332849.00
-71	PAVEMENT	269.43'	13482627.19	2332849.00
-72	PAVEMENT	269.43	13482660.19	2332849.00
-73	PAVEMENT	269.43'	13482693.19	2332849.00
-74	PAVEMENT	269.43 269.47'	13482713.19	2332849.00
-75	PAVEMENT	269.47	13482594.19	2332912.00
	PAVEMENT	269.20	13482627.19	2332912.00
-77	PAVEMENT	200.40 267.75'	13482660.19	2332912.00
-78			13482693.19	2332912.00
-79	PAVEMENT	268.74'	13482713.19	2332912.00
		268.84'		
-80	PAVEMENT	269.73'	13482739.19	2332786.00

	PARKING LOT CONTROL POINTS				
POINT #	DESCRIPTION	ELEVATION	NORTHING	EASTING	
_1	PAVEMENT EDGE	269.77'	13482473.90	2332980.57	
_2	PAVEMENT EDGE	269.35'	13482484.74	2333004.21	
_3	CENTER POINT OF 200' RADIUS	269.19'	13482568.12	2333186.00	
-4	PAVEMENT EDGE	268.87'	13482568.12	2332986.00	
_5	PAVEMENT EDGE	268.23'	13482699.19	2332986.00	
-6	CENTER POINT OF 40' RADIUS	268.77'	13482699.19	2332946.00	
-7	PAVEMENT EDGE	268.11'	13482739.19	2332946.00	
-8	PAVEMENT EDGE	268.19'	13482739.19	2332939.58	
-9	PAVEMENT EDGE/SIDEWALK EDGE	268.54'	13482749.19	2332919.58	
-10	PAVEMENT EDGE/SIDEWALK EDGE	270.04'	13482749.19	2332769.58	
-11	PAVEMENT EDGE	270.09'	13482739.19	2332749.58	
-12	CENTER POINT OF 30' RADIUS	269.87'	13482769.19	2332749.58	
-13	PAVEMENT EDGE	269.80'	13482751.60	2332725.28	
-14	CENTER POINT OF 5' RADIUS	269.85'	13482755.52	2332728.61	
-15	PAVEMENT EDGE	269.81'	13482759.57	2332725.68	
-16	PAVEMENT EDGE/SIDEWALK EDGE	270.04'	13482768.37	2332737.83	
-17	PAVEMENT EDGE/SIDEWALK EDGE	269.85'	13482889.04	2332650.43	
-18	PAVEMENT EDGE	269.63'	13482880.20	2332638.31	
-19	CENTER POINT OF 5' RADIUS	269.62'	13482884.25		
-20	PAVEMENT EDGE	269.57'	13482881.31		
-21	PAVEMENT EDGE	269.57'	13482893.33	2332622.63	
-22	CENTER POINT OF 5' RADIUS	269.62'	13482896.26	2332626.68	
-23	PAVEMENT EDGE	269.63'	13482900.31	2332623.75	
-24	PAVEMENT EDGE	269.85'	13482909.11	2332635.90	
-25	PAVEMENT EDGE	270.25'	13483015.20	2332559.05	
-26	PAVEMENT EDGE/UTILITY ENCLOSURE	270.04'	13483006.99	2332547.72	
-27	PAVEMENT EDGE/UTILITY ENCLOSURE	270.04'	13483027.24		
-28	PAVEMENT EDGE/CALICHE EDGE		13483032.52		
		269.80'			
-29	PAVEMENT EDGE/CALICHE EDGE	270.04'	13482853.25		
-30	PAVEMENT EDGE	269.86'	13482861.27		
-31	CENTER POINT OF 125' RADIUS	269.26'	13482737.41		
-32	PAVEMENT EDGE	269.05'	13482810.73		
-33	PAVEMENT EDGE	269.05'	13482729.66		
-34	PAVEMENT EDGE	269.27'	13482738.46		
-35	CENTER POINT OF 5' RADIUS	269.31'	13482734.41		
-36	PAVEMENT EDGE	269.35'	13482737.34		
-37	CENTER POINT OF 30' RADIUS	269.70'	13482717.96		
-38	PAVEMENT EDGE	269.35'	13482713.26		
-39	CENTER POINT OF 5' RADIUS	269.41'	13482713.69	2332706.90	
-40	PAVEMENT EDGE	269.43'	13482708.69	2332706.90	

37, 2020 8:40 AM WERMID1985 JOBS\77L0017\1006 SPORTSCOMPLEX\CAD\SITE\SHEET\BLDG C\10 CONTROL PLAN.I



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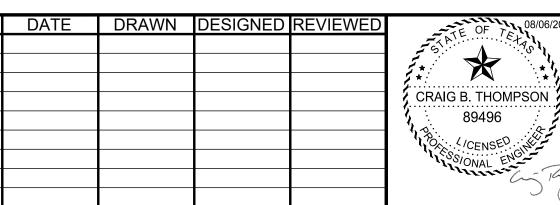
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SIDEWALK CONTROL POINTS				
POINT #	DESCRIPTION	ELEVATION	NORTHING	EASTING
400	SIDEWALK EDGE	268.63'	13482755.19	2332919.5
401	SIDEWALK EDGE	270.13'	13482755.19	2332764.4
402	CENTER POINT OF 19' RADIUS	269.10'	13482774.19	2332764.4
403	SIDEWALK EDGE	270.13'	13482763.05	2332749.0
404	SIDEWALK EDGE	269.90'	13482898.55	2332650.9
405	SIDEWALK EDGE	270.10'	13482954.27	2332727.8
406	SIDEWALK EDGE	270.21'	13482983.60	2332768.3
407	SIDEWALK EDGE	270.33'	13483015.99	2332813.
408	SIDEWALK EDGE	270.09'	13483000.40	2332824.4
409	SIDEWALK EDGE	270.10'	13483026.97	2332861.0
410	SIDEWALK EDGE	270.10'	13483021.37	2332896.
411	SIDEWALK EDGE	270.09'	13482984.68	2332922.
412	SIDEWALK EDGE	270.33'	13482998.90	2332942.
413	SIDEWALK EDGE	270.09'	13483013.13	2332961.9
414	SIDEWALK EDGE	270.10'	13483049.82	2332935.
415	SIDEWALK EDGE	270.10'	13483084.85	2332941.0
416	SIDEWALK EDGE	270.09'	13483111.43	2332977.
417	SIDEWALK EDGE	270.33'	13483131.07	2332963.4
418	SIDEWALK EDGE	270.23'	13483151.60	2332991.8
419	SIDEWALK EDGE	270.09'	13483171.24	2332977.0
420	SIDEWALK EDGE	270.09'	13483130.29	2332921.0
421	SIDEWALK EDGE	270.09'	13483138.24	2332871.3
422	SIDEWALK EDGE	270.09'	13483194.78	2332830.
423	SIDEWALK EDGE	270.23'	13483180.55	2332810.
424	SIDEWALK EDGE	270.33'	13483152.20	2332831.
425	SIDEWALK EDGE	270.09'	13483137.98	2332811.
426	SIDEWALK EDGE	270.10'	13483101.28	2332838.2
427	SIDEWALK EDGE	270.10'	13483066.25	2332832.
428	SIDEWALK EDGE	270.09'	13483039.68	2332795.9
429	SIDEWALK EDGE	270.33'	13483024.09	2332807.2
430	SIDEWALK EDGE	270.21'	13482991.70	2332762.
431	SIDEWALK EDGE	270.10'	13482962.37	2332722.(
432	SIDEWALK EDGE	269.90'	13482906.64	2332645.0
433	SIDEWALK EDGE	269.82'	13482903.12	2332640.2
434	SIDEWALK EDGE	269.55'	13482891.39	2332624.0
435	SIDEWALK EDGE	269.55'	13482883.29	2332629.9
436	SIDEWALK EDGE	269.82'	13482895.03	2332646.0
437	SIDEWALK EDGE	270.04'	13482759.53	2332744.2
438	SIDEWALK EDGE	270.04'	13482749.19	2332764.4
439	SIDEWALK EDGE	270.42'	13482561.19	2332735.0

NUMBER

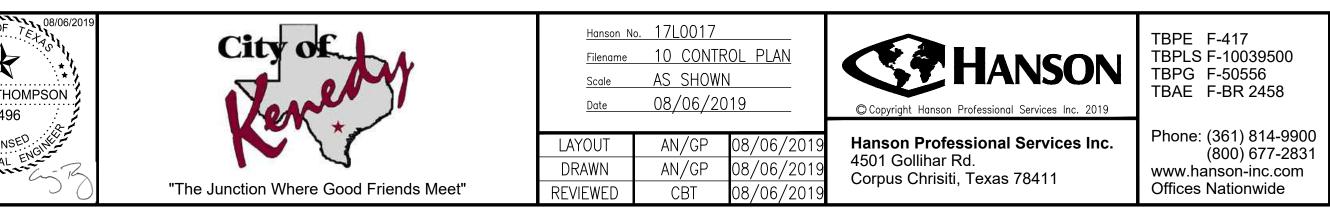
REVISION



	SIDEWALK CONTRO	OL POINTS		
POINT #	DESCRIPTION	ELEVATION	NORTHING	EASTING
440	SIDEWALK EDGE	270.40'	13482576.69	2332735.00
441	SIDEWALK EDGE	270.46'	13482576.69	2332698.00
442	SIDEWALK EDGE	270.46'	13482564.02	2332698.00
443	SIDEWALK EDGE	269.31'	13482564.02	2332634.62
444	SIDEWALK EDGE	269.90'	13482608.79	2332452.45
445	SIDEWALK EDGE	269.85'	13482614.62	2332453.89
446	SIDEWALK EDGE	269.40'	13482570.02	2332635.34
447	SIDEWALK EDGE	270.41'	13482570.02	2332692.00
448	SIDEWALK EDGE	269.90'	13482666.83	2332419.36
449	SIDEWALK EDGE	270.38'	13482736.45	2332437.02
450	SIDEWALK EDGE	270.38'	13482745.68	2332400.67
451	SIDEWALK EDGE	270.38'	13482785.14	2332410.68
452	SIDEWALK EDGE	270.38'	13482775.91	2332447.03
453	SIDEWALK EDGE	269.98'	13482855.79	2332467.29
454	SIDEWALK EDGE	269.96'	13482856.66	2332473.70
455	SIDEWALK EDGE	269.90'	13482665.35	2332425.17

	LIGHT POLE CONTR	OL POINTS		
POINT #	DESCRIPTION	ELEVATION	NORTHING	EASTING
500	LIGHT POLE	269.60'	13482559.19	2332921.00
501	LIGHT POLE	268.58'	13482627.19	2332921.00
502	LIGHT POLE	268.77'	13482693.19	2332921.00
503	LIGHT POLE	268.59'	13482759.57	2332919.36
504	LIGHT POLE	269.83'	13482559.19	2332804.02
505	LIGHT POLE	268.77 '	13482627.19	2332804.02
506	LIGHT POLE	268.82'	13482693.19	2332804.02
507	LIGHT POLE	269.32'	13482759.08	2332804.05
508	LIGHT POLE	269.70 '	13482618.65	2332690.00
509	LIGHT POLE	269.47'	13482699.65	2332690.00
510	LIGHT POLE	269.80'	13482877.98	2332411.99
511	LIGHT POLE	269.52'	13482981.99	2332466.58
512	LIGHT POLE	268.58'	13482878.50	2332708.51
513	LIGHT POLE	268.62'	13482967.59	2332643.99
514	LIGHT POLE	269.38'	13483253.86	2332689.77
515	LIGHT POLE	270.29'	13483154.20	2332824.92
516	LIGHT POLE	270.35'	13483022.76	2332813.93
517	LIGHT POLE	270.11'	13483187.23	2332810.87
518	LIGHT POLE	269.77'	13483310.90	2332771.93
519	LIGHT POLE	268.80'	13483529.70	2332809.78
520	LIGHT POLE	268.79'	13483483.03	2333101.64
521	LIGHT POLE	269.77'	13483263.34	2333069.38
522	LIGHT POLE	270.13'	13483157.98	2332993.81
523	LIGHT POLE	270.29'	13483130.97	2332970.16
524	LIGHT POLE	269.39'	13483183.52	2333129.66
525	LIGHT POLE	268.03'	13482897.24	2333083.88
526	LIGHT POLE	270.35'	13483002.66	2332939.61
527	LIGHT POLE	268.52'	13482832.72	2332994.79

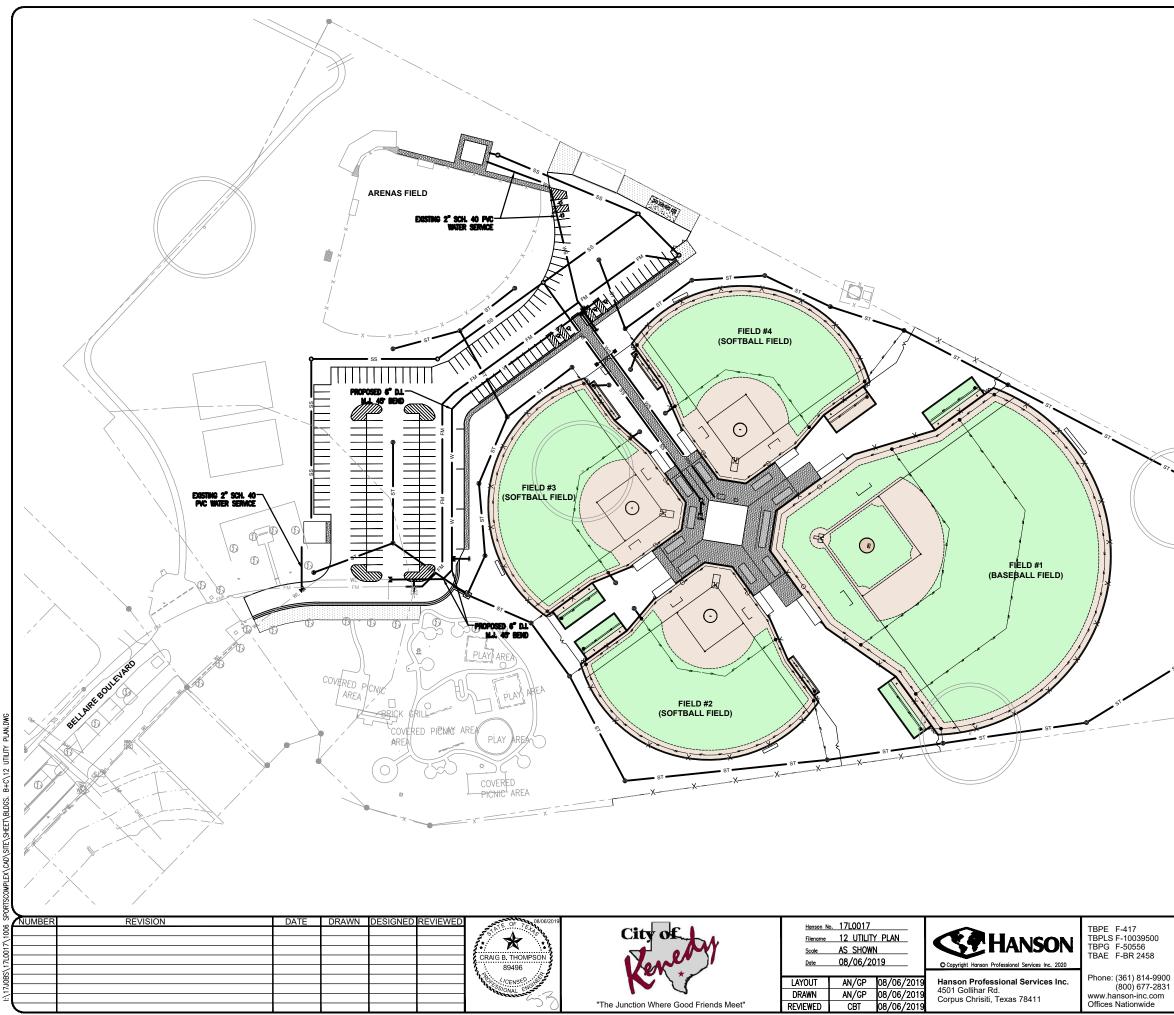
NOTE: FINAL LIGHT POLE LOCATIONS SHALL BE COORDINATED WITH LIGHTING MANUFACTURER AND/OR SUPPLIER.

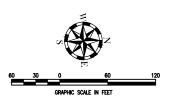


*SHEET INCLUDED FOR INFORMATION ONLY

CONTROL POINT TABLES - (3 OF 3)

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LEGEND

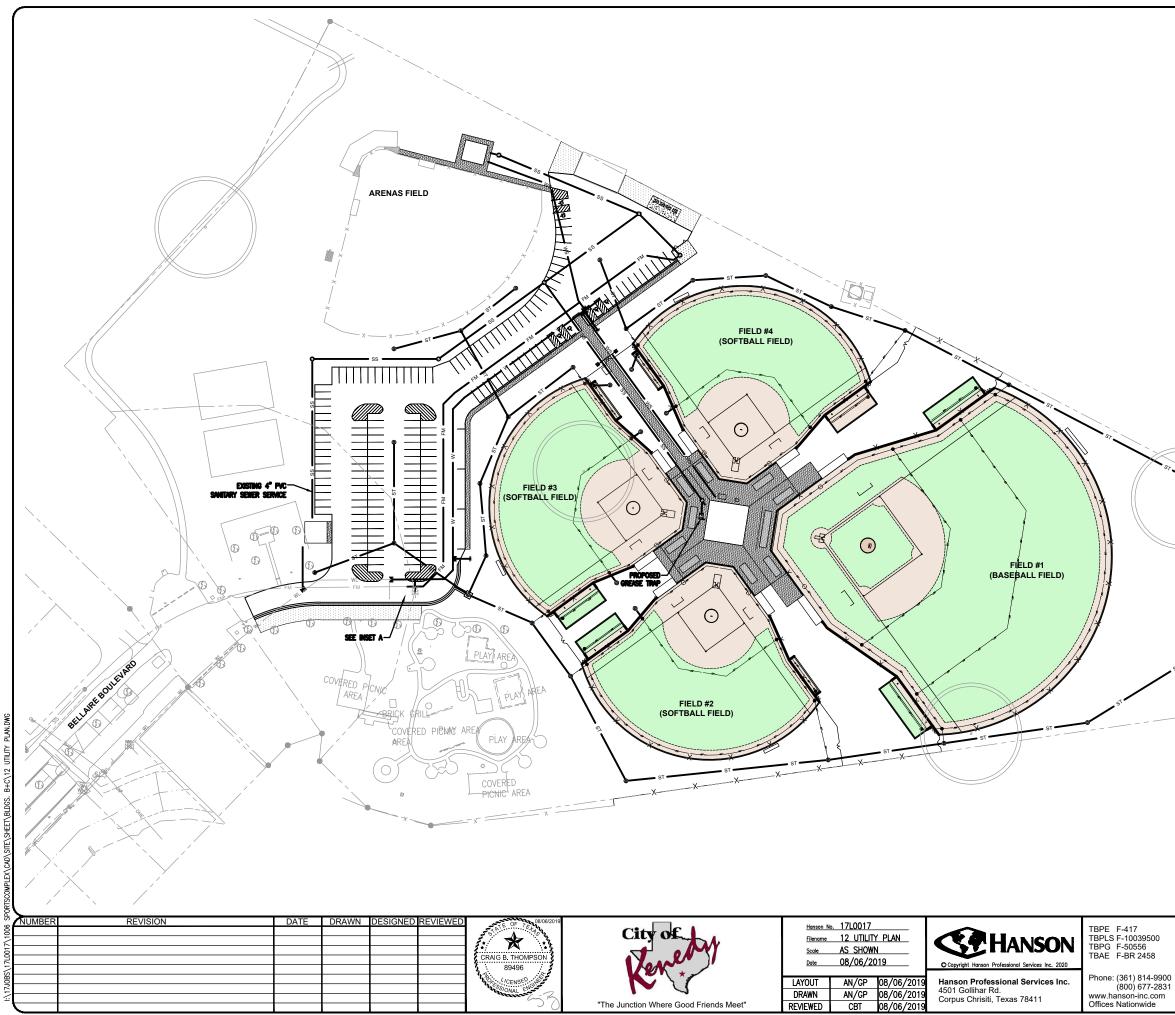
- EXISTING STORM SEWER LINE
- EXISTING WATER LINE
- EXISTING SANITARY SEWER LINE
- EXISTING FORCEMAIN
- FIELD DRAINAGE LINE
- EXISTING STORM SEWER MANHOLE
- EXISTING FIELD DRAINAGE STRUCTURE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING WATER VALVES W
- EXISTING FIRE HYDRANT

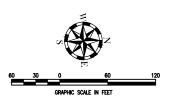
EXCENSIVE SERVICE LINES SEEP & FT. FROM THE BUILDING. REFER TO LIEP FLANS FOR COMMENTION.

*SHEET INCLUDED FOR INFORMATION ONLY

WATER PLAN

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LEGEND

- EXISTING STORM SEWER LINE
- EXISTING WATER LINE
- EXISTING SANITARY SEWER LINE
- EXISTING FORCEMAIN
- FIELD DRAINAGE LINE
- EXISTING STORM SEWER MANHOLE
- EXISTING FIELD DRAINAGE STRUCTURE
- EXISTING SANITARY SEWER MANHOLE

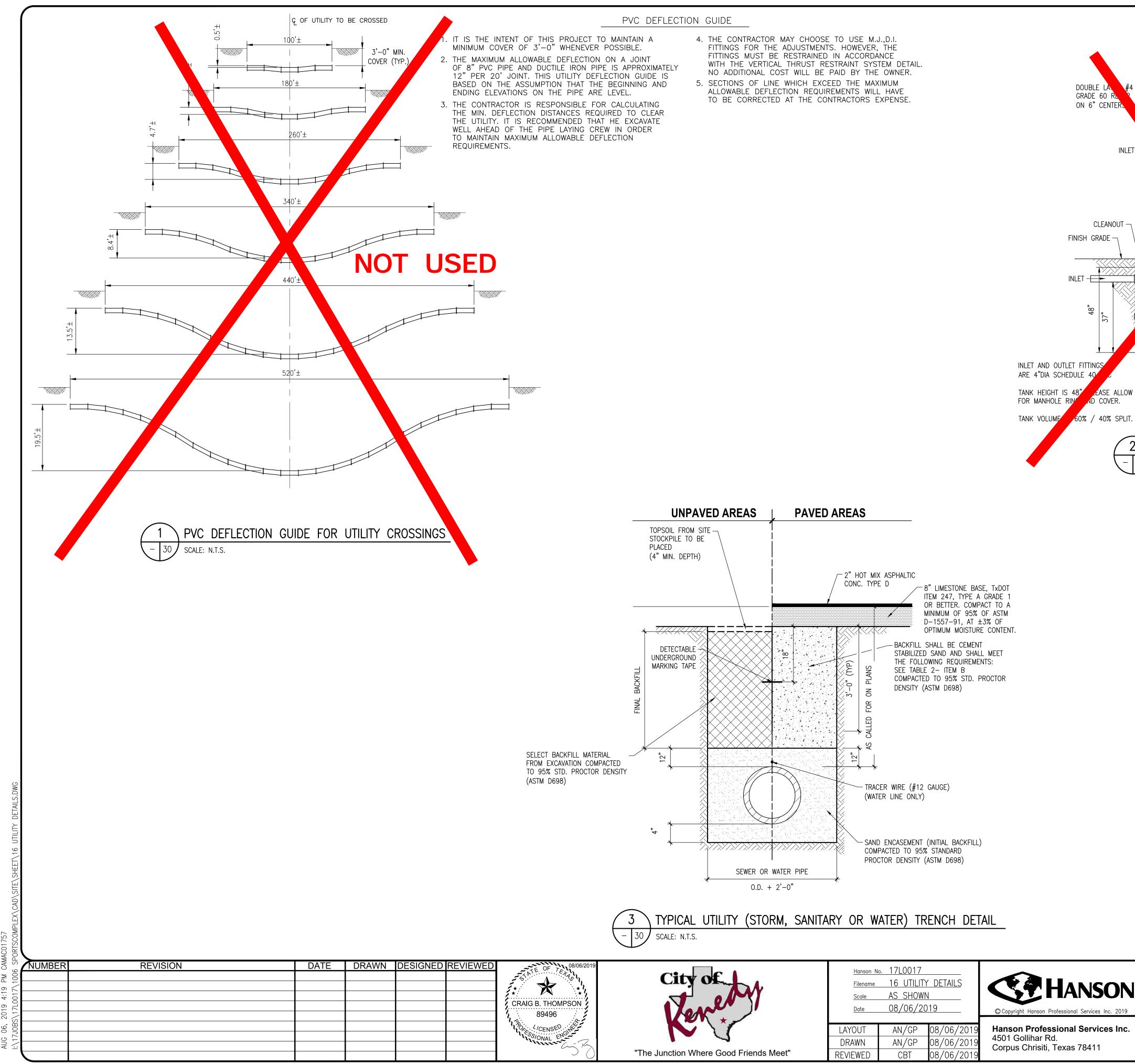
DISTING SENER SEMICE LINES STOP 5' FROM BURLING. REFER TO

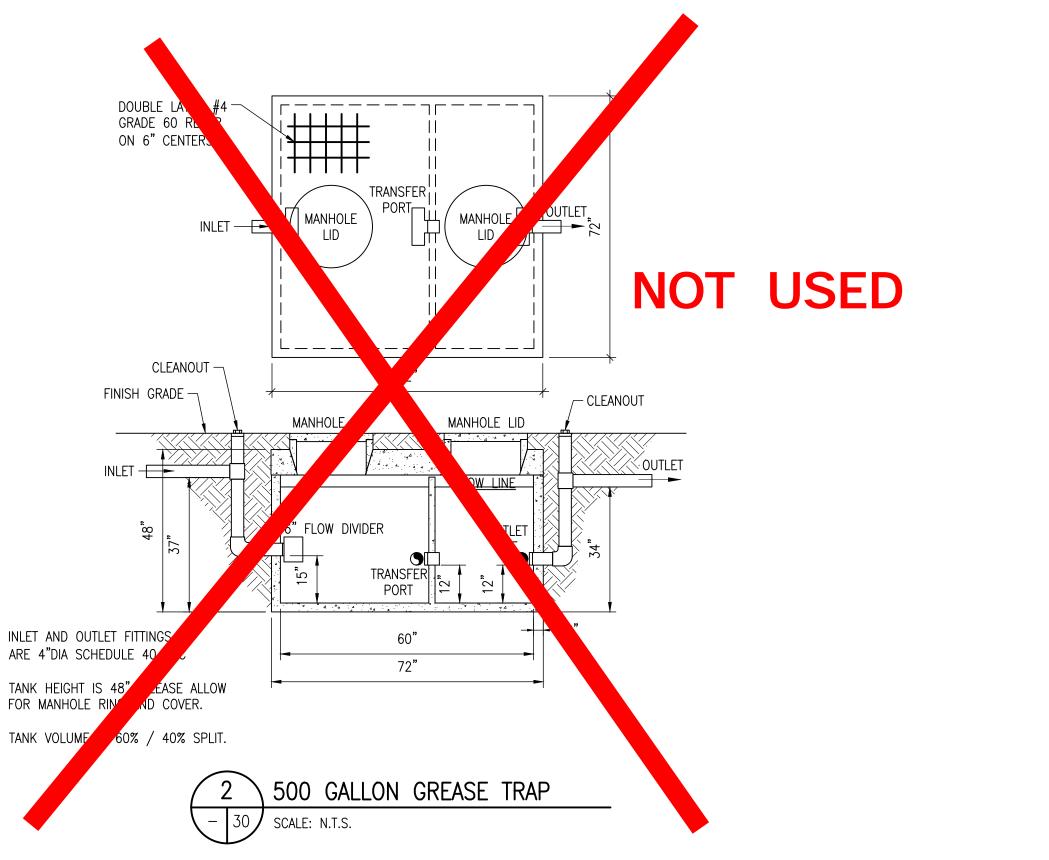
- EXISTING WATER VALVES W
- EXISTING FIRE HYDRANT

*SHEET INCLUDED FOR **INFORMATION ONLY**

SANITARY SEWER PLAN

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TBPE F-417 TBPLS F-10039500 TBPG F-50556 TBAE F-BR 2458

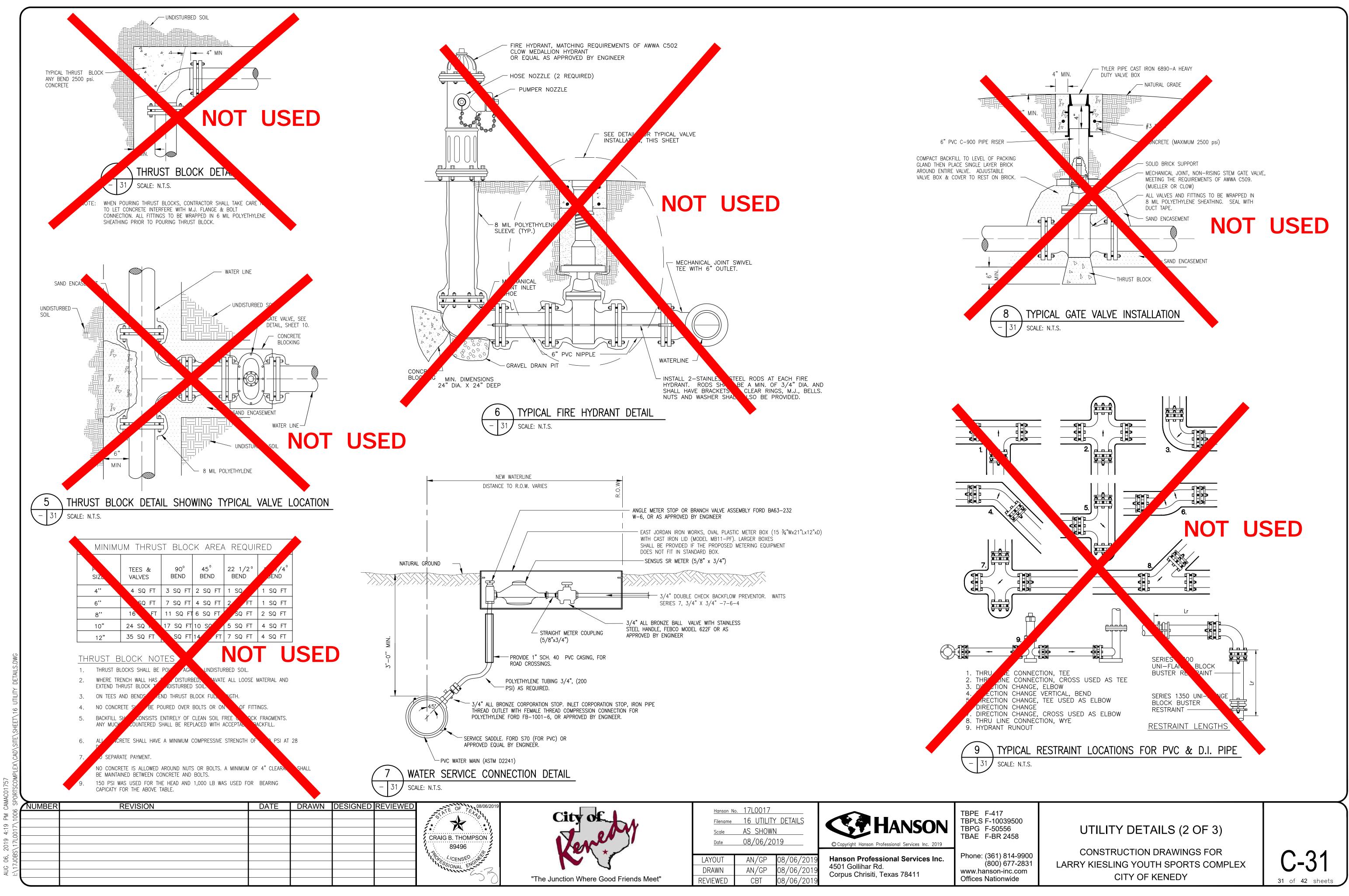
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UTILITY DETAILS (1 OF 3)





YOUT	AN/GP	08/06/2019	
RAWN	AN/GP	08/06/2019	
IEWED	CBT	08/06/2019	

GENERAL REQUIREMENTS	STRUCTURAL EXCAVATION, BACKFILL AND COMPACTION N
1 THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRAINING HIS EMPLOYEES AND SUBCONTRACTORS IN THE RECOGNITION AND AVOIDANCE OF UNSAFE CONDITIONS, AND IN THE REGULATIONS AND HAZARDS WHICH APPLY TO THE AREA IN WHICH THE WORK WILL TAKE PLACE.	1 BEFORE THE START OF EARTHWORK OPERATIONS, PROTECT EXISTING STRUCTURES, UTILITIES, AND OTHER PE OBJECTS FROM DAMAGE. THE CONTRACTOR IS RESPONSIE REPAIR OR REPLACEMENT OF ALL DAMAGED ELEMENTS, AT COST TO OWNER.
2 ALL SAFETY EXPOSURES OR VIOLATIONS SHALL BE RECTIFIED IMMEDIATELY BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING PROTECTION OF PERSONS AND PROPERTY, AND FOR PROVIDING SAFE WORKING CONDITIONS THROUGHOUT THE WORK PROGRESS. ALL AREAS	2 EXCAVATION WORK SHALL BE NEAT AND FREE OF D MATERIAL. REFER TO THE SPECIFICATIONS FOR PROTECTION EXCAVATIONS.
ADJACENT TO THE CONSTRUCTION AREA OR AFFECTED BY THE CONSTRUCTION MUST BE PROTECTED FROM DAMAGE, CLEANED, AND RESTORED TO THE ORIGINAL CONDITION, AT NO ADDITIONAL EXPENSE TO THE OWNER.	3 EXCAVATIONS SHALL NOT BE MADE DURING INCLEM WATER ACCUMULATION IN EXCAVATIONS EXCEEDING 1 INCL PUMPED OUT BEFORE THE CONCRETE IS PLACED.
3 THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL CLEARANCES AND PERMITS, AS NECESSARY, PRIOR TO THE COMMENCEMENT OF THE WORK.	4 ALL EXCAVATIONS AND BACKFILL OPERATIONS SHAL ACCORDANCE WITH THE LATEST OSHA EXCAVATION SAFET OSHA 2226 AND 29 CFR PART 1926 SUBPART P. THE CONTR/
4 WORK AREAS SHALL BE KEPT, AT ALL TIMES, FREE OF DEBRIS AND NON- HAZARDOUS MATERIAL TO THE SATISFACTION OF THE OWNER. ALL EXISTING PIPING AND CONDUITS SHALL HAVE TEMPORARY PROTECTION DURING CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE STORAGE OF MATERIALS, PARKING OF VEHICLES, AND RESTRICTIONS OF WORK WITH THE OWNER. AFTER PROJECT COMPLETION, THE SITE SHALL BE CLEANED UP TO ITS CONDITION PRIOR TO THE START OF THE PROJECT TO THE SATISFACTION OF THE	PROVIDE AN EXCAVATION PLAN PREPARED BY AN ENGINEE STATE OF TEXAS. THE EXCAVATION PLAN SHALL INDICATE TO BE USED BY THE CONTRACTOR TO COMPLY WITH THE O REQUIREMENTS. THE EXCAVATION PLAN SHALL IDENTIFY TI PERSON" AS REQUIRED BY PARAGRAPH 1926.651(k)(1) THAT EACH CREW.
OWNER. 5 THE SEQUENCE OF CONSTRUCTION SHALL BE SCHEDULED AND COORDINATED WITH THE OWNER.	5 ALL SURFICIAL VEGETATION AND OTHER ORGANIC M DEPTH OF 6 INCHES SHALL BE REMOVED BENEATH PROPOS BUILDING AND PAVING AREAS PRIOR TO CONSTRUCTION. PI ACCEPTABLE TO THE OWNER.
6 THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF EXISTING CONDITIONS, AND SHALL PERFORM FIELD MEASUREMENTS PRIOR TO FABRICATION AND/OR PURCHASE OF ANY MATERIAL AND SHALL CONTACT THE	6 SELECT NON-EXPANSIVE FILL MATERIAL SHALL CON OF THE FOLLOWING SPECIFICATIONS:
ENGINEER SHOULD EXISTING CONDITIONS BE DIFFERENT FROM THE DESIGN DRAWINGS FOR THIS PROJECT. CONFLICTS ARISING DUE TO LACK OF COORDINATION SHALL BE THE RESPONSIBILITY AND AT THE EXPENSE OF THE CONTRACTOR.	A SELECT NON-EXPANSIVE FILL MATERIAL SHA CLASSIFIED BY THE UNIFIED SOIL CLASSIFICA (USCS) IN ACCORDANCE WITH ASTM D2487 A SOIL (OR A COMBINATION OF THESE MATERIA EXPANSIVE FILL MATERIAL SHALL HAVE A PLA
7 THE CONTRACTOR SHALL NOT FABRICATE OR INSTALL MEMBERS AS SHOWN ON THE DRAWINGS IF THERE ARE DISCREPANCIES OR CONFLICTS BETWEEN THE EXISTING CONDITIONS AND THE INFORMATION SHOWN ON THE DRAWINGS, UNTIL SUCH DISCREPANCIES HAVE BEEN RESOLVED. PRIOR TO FABRICATION OR INSTALLATION, THE CONTRACTOR SHALL IMMEDIATELY CALL	BETWEEN 7 AND 18, A MAXIMUM LIQUID LIMIT HAVE A MAXIMUM PARTICLE SIZE OF 2".
SUCH DISCREPANCIES OR CONFLICTS TO THE ATTENTION OF THE ENGINEER. 8 ANY REQUIRED CHANGES TO THE DRAWINGS RESULTING FROM THE	B SELECT NON-EXPANSIVE FILL SHALL CONFOR 247, FLEXIBLE BASE, TYPE A, GRADES 1 OR 2
ACCEPTANCE OF ALTERNATES AND/OR SUBSTITUTIONS ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE SUBMITTED TO THE OWNER AND THE ENGINEER FOR APPROVAL.	7 FOR BUILDING A, SUB-GRADE PREPARATION AND FIL FOLLOWS: A EXCAVATE EXISTING SOILS BELOW THE BUIL FOUNDATION A MINIMUM OF 6". EXTEND EXI
9 ALL CONTRACT WORK IN THESE DRAWINGS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE LATEST EDITIONS OF THE FOLLOWING NATIONAL CODES AND STANDARDS:	BEYOND THE LIMITS OF THE SLAB ON EACH S B SCARIFY THE TOP 8" OF EXPOSED SUBGRAD CONDITION AND COMPACT TO 95% OF ASTM C AFTER COMPACTION, PROOF ROLL THE EXPO
 A INTERNATIONAL BUILDING CODES, 2015 (IBC2015). B AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) 7-05 AND 7-10. C OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA). D NATIONAL FIRE PROTECTION ASSOCIATION (NFPA). E NATIONAL FIRE CODE (NFC). 	WITH A 20-TON ROLLER OR LOADED DUMP TH OR SOFT AREAS SHOULD BE EXCAVATED AN SELECT NON- EXPANSIVE FILL MATERIAL. PL EXPANSIVE FILL IN 8" LOOSE LIFTS AND CON ASTM D698.
10 ALL SHOP DRAWINGS SHALL BE REVIEWED BY THE CONTRACTOR PRIOR TO SUBMITTING TO THE ENGINEER. ALL SHOP DRAWINGS NOT REVIEWED BY THE CONTRACTOR WILL BE RETURNED WITHOUT REVIEW. AFTER REVIEW HAS BEEN COMPLETED, THE CONTRACTOR SHALL SUBMIT A COPY OF EACH SHOP DRAWING TO THE OWNER, WITH THE APPROVAL SEAL OF THE ENGINEER AND THE CONTRACTOR.	D AS SOON AS THE SUBGRADE HAS BEEN TEST ROLLED AND ACCEPTED, PROTECT FROM EX BY PLACING SELECT NON-EXPANSIVE FILL M/ E. PLACE COMPACTED SELECT NON-EXPANSIVI FROM THE ACCEPTED SUBGRADE ELEVATION 270.08' (THE BOTTOM OF THE BUILDING A SLA 5'-0" BEYOND THE LIMITS OF THE BUILDING A
11 THE CONTRACTOR SHALL DISPOSE OF ALL MATERIALS REMOVED WHICH ARE NOT TO BE REINSTALLED OR SALVAGED ON THE PROJECT. DISPOSAL OF MATERIALS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.	ON EACH SIDE. PLACE SELECT NON-EXPANS LIFTS AND COMPACT TO 98% ASTM D698 AT TENTS AT OR SLIGHTLY GREATER THAN OPT ABOVE OPTIMUM).
12 THE USE OF REPRODUCTIONS OF THESE CONTRACT DRAWINGS BY ANY CONTRACTOR, SUBCONTRACTOR, ERECTOR, FABRICATOR OR MATERIAL SUPPLIER, IN LIEU OF THE PREPARATION OF SHOP DRAWINGS IS FORBIDDEN. SHOP DRAWINGS RECEIVED BEARING THE ENGINEER'S TITLE AND SEAL SHALL BE PROMPTLY REJECTED.	8 FOR BUILDING B, SUB-GRADE PREPARATION AND FIL FOLLOWS: A EXCAVATE EXISTING SOILS BELOW THE BUIL FOUNDATION A MINIMUM OF 4'-0". EXTEND EX BEYOND THE LIMITS OF THE SLAB ON EACH S
	B SCARIFY THE TOP 8" OF EXPOSED SUBGRAD CONDITION AND COMPACT TO 95% OF ASTM C AFTER COMPACTION, PROOF ROLL THE EXPO
DESIGN CRITERIA 1 GOVERNING CODES AND STANDARDS	WITH A 20-TON ROLLER OR LOADED DUMP TH OR SOFT AREAS SHOULD BE EXCAVATED AN SELECT NON- EXPANSIVE FILL MATERIAL. PL
 A INTERNATIONAL BUILDING CODE, 2015 EDITION (IBC2015). B AMERICAN CONCRETE INSTITUTE (ACI) - BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, ACI 318-06. 	EXPANSIVE FILL IN 8" LOOSE LIFTS AND CON ASTM D698. D AS SOON AS THE SUBGRADE HAS BEEN TEST
C AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)- SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS (13TH EDITION), WITH COMMENTARY.	ROLLED AND ACCEPTED, PROTECT FROM EX BY PLACING SELECT NON-EXPANSIVE FILL M/ E PLACE COMPACTED SELECT NON-EXPANSIVI FROM THE ACCEPTED SUBGRADE ELEVATION
D AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) 7-10 - MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES.	270.08' (THE BOTTOM OF THE BUILDING B SLA 5'-0" BEYOND THE LIMITS OF THE BUILDING A ON EACH SIDE. PLACE SELECT NON-EXPANS
2 DESIGN LOADS A WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH	LIFTS AND COMPACT TO 98% ASTM D698 AT N CONTENTS AT OR SLIGHTLY GREATER THAN 3% ABOVE OPTIMUM).
ASCE 7-10. 1 NOMINAL 3-SECOND GUST WIND SPEED = 146 MPH.	9 FOR BUILDING C, SUB-GRADE PREPARATION AND FIL FOLLOWS: A EXCAVATE EXISTING SOILS BELOW THE BUIL
2 EXPOSURE CATEGORY C DOWELS FOR REINFORCED MASONRY	FOUNDATION A MINIMUM OF 4'-0". EXTEND EXCAVATION 5'-0 LIMITS OF THE SLAB ON EACH SIDE. B SCARIFY THE TOP 8" OF EXPOSED SUBGRAD
1 DOWELS SHALL BE 4'-0" LONG. PROVIDE 2'-0" EMBEDMENT INTO	CONDITION AND COMPACT TO 95% OF ASTM D698. C AFTER COMPACTION, PROOF ROLL THE EXPO
GRADE BEAMS. PROVIDE STANDARD 90°HOOKS FOR DOWELS IN THICKEND SLAB AREAS WHERE 2'-0" EMBEDMENT INTO CONCRETE IS NOT POSSIBLE. AT CONTRACTORS OPTION, DOWELS FOR MASONRY REINFORCING MAY BE DRILLED AND EPOXY GROUTED IN PLACE AFTER THE SLAB HAS BEEN CAST.	WITH A 20-TON ROLLER OR LOADED DUMP TH OR SOFT AREAS SHOULD BE EXCAVATED AN SELECT NON-EXPANSIVE FILL MATERIAL. PLA EXPANSIVE FILL IN 8" LOOSE LIFTS AND COM
USE POWER FASTENERS AC100 ADHESIVE OR APPROVED SUBSTITUTE. EMBED #4 DOWELS A MINIMUM OF 12" INTO CONCRETE.	D698. D AS SOON AS THE SUBGRADE HAS BEEN TES ROLLED AND ACCEPTED, PROTECT FROM EX BY PLACING SELECT NON-EXPANSIVE FILL M/

NUMBER	REVISION	DATE	DRAWN	DESIGNED	REVIEWED	
						TE OF
						Jan Stan
						LEWIS B. S
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						08/06/2019

<u>NOTES</u>

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EMENT WEATHER. NCH SHALL BE

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JILDING A EXCAVATION 5'-0" H SIDE. ADE, MOISTURE FM D698. POSED SUBGRADE P TRUCK. ANY WEAK AND FILLED WITH PLACE SELECT NON-OMPACT TO 95%

ESTED, PROOF EXCESSIVE DRYING MATERIAL. SIVE FILL MATERIAL ION UP TO ELEVATION SLAB). EXTEND FILL G A FOUNDATION SLAB **NSIVE FILL IN 8" LOOSE** AT MOISTURE ON PTIMUM (WITHIN 3%

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JILDING B EXCAVATION 5'-0"

H SIDE. ADE, MOISTURE

FM D698. POSED SUBGRADE TRUCK. ANY WEAK AND FILLED WITH PLACE SELECT NON-OMPACT TO 95%

ESTED. PROOF EXCESSIVE DRYING MATERIAL. SIVE FILL MATERIAL ION UP TO ELEVATION LAB). EXTEND FILL **GAFOUNDATION SLAB** NSIVE FILL IN 8" LOOSE MOISTURE

AN OPTIMUM (WITHIN

FILLING SHALL BE AS

JILDING C 5'-0" BEYOND THE

ADE, MOISTURE

POSED SUBGRADE TRUCK. ANY WEAK AND FILLED WITH ACE SELECT NON-OMPACT TO 95% ASTM

ESTED, PROOF EXCESSIVE DRYING BY PLACING SELECT NON-EXPANSIVE FILL MATERIAL PLACE COMPACTED SELECT NON-EXPANSIVE FILL MATERIAL FROM THE ACCEPTED SUBGRADE ELEVATION UP TO ELEVATION 270.08' (THE BOTTOM OF THE BUILDING C SLAB). EXTEND FILL 5'-0" BEYOND THE LIMITS OF THE BUILDING A FOUNDATION SLAB ON EACH SIDE. PLACE SELECT NON-EXPANSIVE FILL IN 8" LOOSE LIFTS AND COMPACT TO 98% ASTM D698 AT MOISTURE

CONTENTS AT OR SLIGHTLY GREATER THAN OPTIMUM (WITHIN

10 A 10 MIL VAPOR BARRIER CONFORMING WITH ASTM E1745, CLASS C, SHALL BE PLACED BENEATH SLAB-ON-GRADE FOUNDATIONS FOR BUILDINGS A, B AND C. LAP ALL JOINTS A MINIMUM OF 6" AND SEAL PER THE MANUFACTURERS RECOMMENDATIONS. USE PREFABRICATED PIPE BOOTS AND SUITABLE SEALING TAPE TO SEAL ALL PENETRATIONS THROUGH THE VAPOR BARRIER. VAPOR BARRIER SHALL BE AS MANUFACTURED BY STEGO INDUSTRIES, VAPOR BLOCK, OR APPROVED SUBSTITUTE.

11 STOCKPILE EXCAVATED MATERIALS SUITABLE FOR USE AS SATISFACTORY FILL MATERIAL AT A LOCATION APPROVED BY THE OWNER. PLACE, GRADE, AND SHAPE STOCKPILES FOR PROPER DRAINAGE EXCESS EXCAVATED MATERIAL AND EXCAVATED MATERIAL UNSUITABLE FOR USE AS SATISFACTORY FILL MATERIAL SHALL BE DISPOSED OF LEGALLY OFF SITE.

REINFORCED CONCRETE NOTES

CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE AMERICAN CONCRETE INSTITUTE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, ACI 318, LATEST EDITION, DETAILING, FABRICATION AND ERECTION OF REINFORCING BARS SHALL COMPLY WITH THE ACI "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" (ACI 315). SUBMIT REINFORCING STEEL SHOP DRAWINGS FOR REVIEW BY THE ENGINEER PRIOR TO FABRICATION OR PLACEMENT.

ALL STRUCTURAL CONCRETE SHALL BE NORMAL WEIGHT AND SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3,000 PSI. USE GRAY PORTLAND CEMENT CONFORMING TO ASTM C 150 TYPE I. MINIMUM CEMENT CONTENT SHALL BE 41/2 SACKS PER CUBIC YARD. MAXIMUM WATER CEMENT RATIO SHALL BE 0.50. MAXIMUM SLUMP SHALL BE 5 INCHES. MAXIMUM AGGREGATE SIZE SHALL BE 11/2 INCH. PROVIDE 4 TO 6 PERCENT AIR-ENTRAINMENT, CONFORMING TO ASTM C 260. CHEMICAL ADMIXTURES SHALL CONFORM TO ASTM C 494. TYPE A. D. OR E. IF FLYASH IS TO BE USED IN THE CONCRETE MIX, IT SHALL BE INCLUDED IN THE MIX DESIGN SUBMITTAL. THE AMOUNT OF FLY ASH USED SHALL BE NO GREATER THAN 15 TO 20 PERCENT BY WEIGHT OF THE SPECIFIED CEMENT. IN NO CASE SHALL THE PORTLAND CEMENT CONTENT OF THE MIX BE LESS THAN 41/2 SACKS PER YARD. CONCRETE SHALL NOT BE PLACED PRIOR TO APPROVAL OF THE CONCRETE MIX DESIGN BY THE ENGINEER.

THE PROPOSED USE OF FLY ASH IN THE CONCRETE MIX DESIGN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. THE AMOUNT OF FLY ASH USED SHALL BE NO GREATER THAN 15 TO 20 PERCENT BY WEIGHT OF THE SPECIFIED CEMENT. IN NO CASE SHALL THE PORTLAND CEMENT CONTENT OF THE MIX BE LESS THAN 41/2 SACKS PER YARD.

4 REINFORCING STEEL SHALL BE NEW DOMESTIC DEFORMED BILLET STEEL, CONFORMING TO ASTM A615, GRADE 60, UNLESS NOTED OTHERWISE. BEAM STIRRUPS SHALL BE ASTM A615, GRADE 40.

PROVIDE CORNER BARS AT ALL EXTERIOR GRADE BEAM INTERSECTIONS AND WALL INTERSECTIONS. MATCH SIZE AND SPACING OF INTERSECTING STEEL REINFORCING. PROVIDE 40 BAR DIAMETER LAPS WITH CONTINUOUS STEEL.

6 ALL CONTINUOUS REINFORCING SHALL BE SPLICED WITH 40 BAR DIAMETER (MIN.) LAP SPLICES.

UNLESS NOTED OTHERWISE, ALL 90, 135 AND 180 DEGREE HOOKS SHOWN ON THE DRAWINGS SHALL BE STANDARD ACI HOOKS.

FIELD CUTTING OF REINFORCING BARS SHALL BE BY SHEARING OR SAWING. FIELD CUTTING BY CUTTING TORCH IS NOT ALLOWED.

MINIMUM REINFORCING STEEL COVERAGE FOR CONCRETE WORK IN CONTACT WITH SOIL SHALL BE 3". REFER TO DRAWINGS FOR COVERAGE AT OTHER CONDITIONS.

10 ENSURE THAT ALL ITEMS WHICH MUST BE EMBEDDED IN THE CONCRETE ARE DELIVERED TO THE SITE IN A TIMELY FASHION AND FIRMLY INSTALLED IN THE FORMWORK PRIOR TO PLACING CONCRETE. THE DRAWINGS SHALL BE THOROUGHLY EXAMINED TO ENSURE THAT ALL EMBEDDED ITEMS ARE PROVIDED AND PROPERLY INSTALLED. PROVIDE ACCURATELY MADE, RIGID TEMPLATES FOR SETTING ANCHOR BOLTS AND DOWELS.

INITIAL AND FINAL CURING SHALL BE BY WET-CURING METHODS ONLY 11 (CONTINUOUS SPRINKLING OR STEAM, OR MOISTURE-RETAINING COVER).

12 ALL CONCRETE BLEMISHES, HONEYCOMBS, AND OTHER IMPERFECTIONS SHALL BE REPAIRED BY THE CONTRACTOR TO THE OWNER'S SATISFACTION AT NO ADDITIONAL COST.

TESTING LABORATORY REQUIREMENTS

THE CONTRACTOR SHALL SECURE THE SERVICES OF A COMMERCIAL TESTING LABORATORY, ACCEPTABLE TO THE OWNER AND THE ENGINEER, TO PERFORM CONSTRUCTION MATERIALS TESTS AND VISUAL INSPECTION SERVICES AS OUTLINED IN THE PROJECT SPECIFICATIONS AND AS LISTED BELOW:

APPROPRIATE TESTS SHALL BE PERFORMED TO CERTIFY THAT FILL AND BACKFILL MATERIALS SPECIFIED FOR USE ON THE PROJECT MEET THE MINIMUM REQUIREMENTS SET FORTH IN THE PROJECT SPECIFICATIONS AND IN THE NOTES HEREIN.

INSPECTION OF ALL ANCHOR BOLTS, EXPANSION ANCHORS, AND EPOXY ANCHORS SHALL BE PERFORMED TO INSURE PROPER INSTALLATION AND TIGHTENING OF BOLTS

IF WORKMANSHIP IS FOUND TO BE BELOW THE REQUIREMENTS SET FORTH HEREIN OR IN THE SPECIFICATIONS AS A RESULT OF TESTING AND/OR VISUAL INSPECTION, THE CONTRACTOR SHALL CORRECT OR REPLACE MATERIALS AT NO ADDITIONAL COST TO THE OWNER.

THE CONTRACTOR SHALL COOPERATE AND COORDINATE FULLY WITH THE TESTING LABORATORY AND PROJECT TESTING REQUIREMENTS.

STRUCTURAL STEEL NOTES

DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL COMPLY WITH AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS COMMENTARY, AISC CODE OF STANDARD PRACTICE, AND ALL UPDATING PUBLICATIONS.

STRUCTURAL STEEL SHAPES, PLATES, BARS, AND MISCELLANEOU METALS SHALL CONFORM TO ASTM A36, UNLESS NOTED OTHERWISE.

COLD-FORMED STRUCTURAL STEEL TUBING SHALL CONFORM TO 500. GRADE B, WITH A MINIMUM YIELD STRENGTH OF 46 KSI.

STRUCTURAL STEEL PIPE SHALL CONFORM TO ASTM A 53, TYPE GRADE B. WELDED OR SEAMLESS. HYDROSTATIC TESTS ARE NOT REQU

SHOP CONNECTIONS MAY BE WELDED OR BOLTED. ALL FIELD CONNECTIONS SHALL BE BOLTED UNLESS NOTED OTHERWISE ON THE DRAWINGS. ALL BOLTS IN BOLTED CONNECTIONS SHALL BE 3/4-INC DIAMETER, GALVANIZED, HIGH STRENGTH BOLTS CONFORMING TO ASTI TYPE N, UNLESS NOTED OTHERWISE ON THE DRAWINGS.

ALL CONNECTION HARDWARE SHALL BE PROVIDED WITH AN "AN" COMPONENT/ADDITIVE TO PROTECT AGAINST "FREEZE" DUE TO PROLON EXPOSURE TO THE ELEMENTS.

WELDING SHALL CONFORM TO THE AMERICAN WELDING SOCIETY SPECIFICATIONS. ELECTRODES SHALL CONFORM TO AWS A5.5, E70XX.

INSPECTION OF WELDS SHALL BE IN ACCORDANCE WITH THE PRO SPECIFICATIONS.

SPLICING OF STRUCTURAL STEEL MEMBERS IS PROHIBITED WITH APPROVAL OF THE STRUCTURAL ENGINEER AS TO THE LOCATION AND T SPLICE. ANY MEMBER HAVING A SPLICE NOT SHOWN AND DETAILED ON SHOP DRAWINGS WILL BE REJECTED.

10 ALL MISCELLANEOUS WELDS SHALL BE MINIMUM SIZE FILLET WEI AROUND IN ACCORDANCE WITH AISC. WELDING OF CONTINUOUS MEMB SHALL BE A MINIMUM OF 2 INCHES OF 3/16-INCH FILLET WELD AT 12 INCHE STAGGERED EACH SIDE, UNLESS NOTED OTHERWISE. COLUMN BASE PL COLUMN CAP PLATES AND ALL STIFFENER PLATES SHALL BE WELDED AL AROUND.

11 BURNING OF HOLES IN STRUCTURAL STEEL IS PROHIBITED. ANY WITH BURNED HOLES SHALL BE REJECTED.

12 PRE-GROUTING OF BASE PLATES IS PROHIBITED.

13 STRUCTURAL STEEL SHALL BE SHOP FINISHED AS FOLLOWS:

ALL STRUCTURAL STEEL, INCLUDING MISCELLANEOUS ST PLATES, ANGLES, EMBEDS, AND METALS SHALL BE HOT-GALVANIZED IN ACCORDANCE WITH ASTM A123. "SPECIFIC OR ZINC (HOT-DIP GALVANIZED) COATINGS ON IRON AND PRODUCTS." STEEL SHALL BE PRE-CLEANED UTILIZING A BATH, ACID PICKLE AND FLUX. ZINC COATING FOR THREAD PRODUCTS SHALL CONFORM TO ASTM A153, CLASS C.

FIELD REPAIR OF GALVANIZING SHALL BE DONE WITH "ZRC COLD 14 GALVANIZING COMPOUND," MANUFACTURED BY ZRC CHEMICAL PRODUC COMPANY, QUINCY, MASSACHUSETTS, OR APPROVED EQUAL.

15 THE OWNER RESERVES THE RIGHT TO REJECT MATERIAL AT ANY BEFORE FINAL ACCEPTANCE IF MATERIAL AND WORKMANSHIP DO NOT C TO THE DRAWINGS OR SPECIFICATIONS.

SUBMITTAL NOTES

Α

THE FOLLOWING PARTIAL LISTING OF SUBMITTALS SHALL BE FORWARDE THE ENGINEER FOR REVIEW. THE WORK ASSOCIATED WITH THESE ITEM SHALL NOT COMMENCE UNTIL THE SUBMITTALS HAVE BEEN REVIEWED / APPROVED BY THE ENGINEER. REFERENCE THE PROJECT SPECIFICATIO FOR A COMPLETE LISTING OF REQUIRED SUBMITTALS.

SUBMIT MOISTURE-DENSITY RELATIONSHIPS FOR EACH TYPE OF MATERIAL SPECIFIED AND FOR EACH TYPE OF EXPOSED EXISTING SUBGE MATERIAL

SUBMIT CONCRETE MIX DESIGNS WITH TEST DATA FOR EACH TYP STRENGTH OF CONCRETE SPECIFIED.

SUBMIT REINFORCING STEEL SHOP DRAWINGS DETAILING REINFORCEMENT FABRICATION AND BAR PLACEMENT. THE SHOP DRAW SHALL CLEARLY INDICATE LOCATION, SIZE, SPACING, SPLICES AND PIEC FOR ALL REINFORCING STEEL. THE SHOP DRAWINGS SHALL INCLUDE A COMPLETE BILL OF MATERIALS FOR ALL REINFORCING STEEL, WHICH IS REFERENCED TO THE INFORMATION ON THE SHOP DRAWINGS. THE SHO DRAWINGS SHALL PROVIDE SUFFICIENT DETAIL TO PERMIT PLACEMENT REINFORCEMENT WITHOUT THE USE OF THE DESIGN DRAWINGS.

SUBMIT STRUCTURAL STEEL SHOP DRAWINGS DETAILING ALL STRUCTURAL AND MISCELLANEOUS STEEL MEMBERS, CONNECTIONS AN RELATED STRUCTURAL STEEL ITEMS. THE SHOP DRAWINGS SHALL INDIC MATERIAL TYPE, BOLT HOLES, COPED EDGES, WELDS, AND ALL OTHER D REQUIRED TO FABRICATE EACH PIECE. IN ADDITION, THE CONTRACTOR SUBMIT COORDINATED ERECTION DRAWINGS CLEARLY INDICATING THE INSTALLED LOCATION, SIZE, ORIENTATION AND PIECEMARK FOR ALL STRUCTURAL STEEL MEMBERS. THE SHOP DRAWINGS AND ERECTION DRAWINGS SHALL PROVIDE SUFFICIENT DETAIL TO PERMIT STEEL FABRIC AND ERECTION WITHOUT THE USE OF THE DESIGN DRAWINGS.

SUBMIT PREFABRICATED WOOD TRUSS DESIGN CALCULATIONS FABRICATION AND ERECTION DRAWINGS. SUBMITTAL SHALL INDICATE TH CALCULATED UPLIFT WIND REACTIONS AT THE TRUSS SUPPORT LOCATI DESIGN CALCULATIONS SHALL BE PREPARED AND SEALED BY A LICENSE TEXAS ENGINEER. SUBMITTAL SHALL CLEARLY INDICATE LOCATION, SIZE SPACING OF TRUSSES AND TRUSS COMPONENTS. ALL DESIGN LOADS FO EACH TRUSS SHALL BE INDICATED.

SUBMIT DESCRIPTIVE LITERATURE, BULLETINS, TECHNICAL DATA SHEETS, MATERIAL SAFETY DATA SHEETS, AND INSTALLATION INSTRUCT FOR THE WATERPROOFING, COATINGS AND MISCELLANEOUS PRODUCT SPECIFIED HEREIN.

SUBMIT ANY PROPOSED SUBSTITUTIONS TO THE ITEMS SPECIFIEI HEREIN OR IN THE SPECIFICATIONS. OWNER RESERVES THE RIGHT TO R ANY PROPOSED SUBSTITUTION IN FAVOR OF THAT SPECIFIED.



3% ABOVE OPTIMUM).



"The Junction Where Good Friends Meet"

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	REINFORCED MASONRY NOTES	
EL SHALL S WITH IG	1 CONCRETE MASONRY UNIT (CMU) CONSTRUCTION SHALL BE IN ACCORDANCE WITH:	
OUS	A ACI 530/ASCE 5/TMS 402: BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES	
O ASTM A	B. ACI 530.1/ASCE 6/TMS 602: SPECIFICATIONS FOR MASONRY STRUCTURES	
EE OR S,	2 MASONRY DESIGN IS BASED ON A MASONRY PRISM STRENGTH OF F'M = 1500 PSI.	
UIRED.	3 CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C 90, LIGHTWEIGHT, GRADE N, TYPE 1, MOISTURE-CONTROLLED, WITH A MINIMUM COMPRESSIVE STRENGTH OF 1900 PSI ON THE NET AREA OF THE BLOCK.	
NCH TM A 325,	4 MORTAR SHALL CONFORM TO ASTM C 270, TYPE S, WITH A MINIMUM COMPRESSIVE STRENGTH OF 1800 PSI.	
NTI-SEIZE" ONGED	5 COURSE GROUT SHALL HAVE A MAXIMUM AGGREGATE SIZE OF 3/8" AND A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI.	
TY	6 COARSE AGGREGATE SHALL CONFORM TO THE REQUIREMENTS OF ASTM C 404. SAND SHALL CONFORM TO THE REQUIREMENTS OF ASTM C 144.	
	7 LOAD BEARING WALLS SHALL HAVE FULL BED MORTAR JOINTS. COLLAR JOINTS IN MULTI-WYTHE WALLS SHALL BE 3/8".	
ROJECT THOUT THE TYPE OF I THE	8 VERTICAL REINFORCING SHALL BE AS NOTED ON PLANS. IN ADDITION, THE FIRST CELL AT CORNERS, ENDS OF WALLS AND AT ALL DOOR AND WINDOW JAMBS SHALL BE REINFORCED WITH 1 #4 AND FILLED WITH 2500 PSI COURSE GROUT.	
ELD ALL BERS HES O.C., PLATES,	9 VERTICAL REINFORCING BARS MAY BE SPLICED IN 6'-0" TO 8'-0" LENGTHS, PROVIDED THE SPLICES IN ADJACENT BARS ARE STAGGERED AND ARRANGED SO THAT NOT MORE THAN ONE-HALF OF THE TOTAL NUMBER OF BARS ARE SPLICED AT ANY ONE HEIGHT. MINIMUM LAP AT SPLICE SHALL BE 50 BAR DIAMETERS.	
ALL	10 BOND BEAMS AND LINTELS SHALL BE LOCATED WHERE SHOWN ON THE DRAWINGS. REINFORCE BOND BEAMS AS NOTED ON PLA NS AND FILL WITH 2500 PSI COURSE GROUT. REINFORCING STEEL IN BOND BEAMS MAY BE SPLICED WITH A MINIMUM LAP LENGTH OF 50 BAR DIAMETERS.	
	11 PROVIDE STAINLESS STEEL REBAR POSITIONERS, AS MANUFACTURED BY HOHMANN & BARNARD, TO MAINTAIN ALIGNMENT OF VERTICAL WALL REINFORCING.	
STEEL T-DIPPED FICATION F	12 PROVIDE GALVANIZED SPYRA-LOX REBAR LAP JOINT TIES, AS MANUFACTURED BY HOHMANN & BARNARD, FOR ALL LAP SPLICES IN VERTICAL AND HORIZONTAL REINFORCING BARS.	
D STEEL A CAUSTIC ADED	13 HORIZONTAL JOINT REINFORCEMENT SHALL BE "DUR-O-WAL" (TRUSS TYPE, 9 GAGE, GALVANIZED) AT 16 INCHES ON CENTER, VERTICALLY, UNLESS OTHERWISE NOTED ON DRAWINGS. HORIZONTAL JOINT REINFORCEMENT SHALL BE LAPPED AT LEAST 11" AT SPLICES AND SHALL CONTAIN AT LEAST ONE CROSS WIRE OF EACH PIECE OF REINFORCEMENT IN THE LAPPED DISTANCE.	
D JCTS NY TIME CONFORM	14 ADHESIVE ANCHORING SYSTEM: THREADED ADHESIVE ANCHORS INTO SOLID GROUTED MASONRY WALLS SHALL BE BY THE HILTI "HIT" ADHESIVE ANCHOR SYSTEM. USE HY-150 ADHESIVE AND HAS STD THREADED RODS. USE MANUFACTURER'S STANDARD NOMINAL EMBEDMENT, UNLESS NOTED OTHERWISE ON THE DRAWINGS.	
	15 PROVIDE TEMPORARY BRACING FOR WALLS UNTIL THE FLOOR OR ROOF DECK AT THE TOP AND BOTTOM OF THE WALL HAVE BEEN COMPLETED AND PERMANENTLY TIED IN. THE CONTRACTOR SHALL DESIGN ALL TEMPORARY BRACING.	
DED TO MS	MISCELLANEOUS PRODUCTS	
AND IONS	1 EXPANSION ANCHORING SYSTEM: BOLTING INTO EXISTING CONCRETE SHALL BE WITH SIMPSON SET HIGH STRENGTH EPOXY-TIE ANCHORING ADHESIVE ANCHORS, UNLESS NOTED OTHERWISE ON THE DRAWINGS. USE EMBEDMENT AS NOTED ON THE	
F FILL GRADE	DRAWINGS. 2 NON-SHRINK GROUT: PROVIDE A PRE-MIXED, NON-SHRINK, NONMETALLIC	
YPE AND	GROUT, EQUAL TO "MASTERFLOW 713", BY MASTER BUILDERS. MIX AND INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.	
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GENERAL NOTES

S0.1

CONSTRUCTION DRAWINGS FOR LARRY KIESLING YOUTH SPORTS COMPLEX CITY OF KENEDY

	PREFABRICATED	WOOD TRUSSES	
--	---------------	--------------	--

ALL PLAN DIMENSIONS, RECESSES, OPENINGS THROUGH FRAMING, ETC. SHALL BE COORDINATED WITH THE ARCHITECTURAL DRAWINGS.

THE FRAMING CONTRACTOR SHALL FURNISH ALL TIMBER CONNECTIONS BETWEEN VARIOUS ELEMENTS AND PROVIDE HARDWARE REQUIRED TO MAKE CONNECTIONS. ALL CONNECTORS SHALL BE SIMPSON "STRONG-TIES" OR APPROVED SUBSTITUTE.

PRIOR TO FABRICATION OF TRUSSES, THE CONTRACTOR SHALL SUBMIT DESIGN CALCULATIONS, FABRICATION AND ERECTION DRAWINGS TO THE ENGINEER FOR REVIEW AND APPROVAL. WOOD TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH ANSI/TPI 1-1995. DESIGN LOADS FOR WOOD TRUSSES ARE AS FOLLOWS:

A	ROOF TRUSSES:	
	TOP CHORD DEAD LOAD	10 PSF
	BOTTOM CHORD DEAD LOAD	10 PSF
	TOP CHORD LIVE LOAD	20 PSF

WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH ASCE 7-10.

USING ASCE 7-10, THE FOLLOWING CRITERIA SHALL APPLY:

NOMINAL 3-SECOND GUST WIND SPEED = 131 MPH. EXPOSURE CATEGORY C 2

PREFABRICATED WOOD TRUSSES MEMBERS AND CONNECTIONS 4 SHALL BE DESIGNED BY TRUSS MANUFACTURER TO SUPPORT DESIGN LOADS AND MEET L/360 LIVE LOAD DEFLECTION CRITERIA.

PREFABRICATED TRUSSES SHALL BE SQUARE, WITH COMPONENTS ATTACHED IN A MANNER AS TO PREVENT RACKING AND TO MINIMIZE DISTORTION WHILE LIFTING.

ALL FRAMING COMPONENTS SHALL BE CUT SQUARELY FOR ATTACHMENT TO PERPENDICULAR MEMBERS, OR, AS REQUIRED, FOR AN ANGULAR FIT AGAINST ABUTTING MEMBERS.

TRUSS MEMBERS SHALL BE INSTALLED IN A MANNER WHICH WILL ASSURE THAT THEIR ENDS ARE POSITIONED TIGHTLY AGAINST THE SIDES OF ABUTTING MEMBERS PRIOR TO FASTENING.

SPLICES IN TRUSS MEMBERS SHALL NOT BE PERMITTED UNLESS DETAILED ON THE SHOP DRAWING SUBMITTAL AND APPROVED DURING THE REVIEW PROCESS.

TEMPORARY BRACING SHALL BE PROVIDED UNTIL ERECTION IS 9 COMPLETED.

WOOD CONSTRUCTION NOTES

CONSTRUCTION PRACTICES AND NAILING SCHEDULES SHALL CONFORM TO THE REQUIREMENTS OF THE IBC2015.

ALL PLAN DIMENSIONS, RECESSES, OPENINGS THROUGH FRAMING, ETC. SHALL BE COORDINATED WITH THE ARCHITECTURAL DRAWINGS.

3 SAWN LUMBER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION. SAWN LUMBER MATERIALS AND FASTENINGS SHALL CONFORM TO THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION PUBLISHED BY THE NATIONAL FOREST PRODUCTS ASSOCIATION.

4 MANUFACTURE ALL LUMBER TO COMPLY WITH PS 20 "AMERICAN SOFTWOOD LUMBER STANDARD" AND WITH APPLICABLE GRADING RULES OF INSPECTION AGENCIES CERTIFIED BY AMERICAN LUMBER STANDARDS COMMITTEE'S (ALSC) BOARD OF REVIEW.

PROVIDE DRESSED LUMBER, S4S, UNLESS OTHERWISE INDICATED. PROVIDE KILN DRIED LUMBER, WITH 15 PERCENT MAXIMUM MOISTURE CONTENT AT THE TIME OF SHIPMENT FOR SIZES 2" OR LESS IN NOMINAL THICKNESS, UNLESS OTHERWISE INDICATED.

ALL SAWN LUMBER SHALL BE #2 K.D., SOUTHERN YELLOW PINE, UNLESS 6 NOTED OTHERWISE ON THE DRAWINGS. WALLS MAY BE STUD GRADE SOUTHERN PINE. ALL GROUND LEVEL WALL SILL PLATES SHALL BE PRESSURE TREATED. AFTER TREATMENT, KILN-DRY LUMBER TO A MAXIMUM MOISTURE CONTENT OF 19 PERCENT.

ALL SAWN LUMBER SHALL BE STRAIGHT AND TRUE WITHOUT EXCESSIVE WARPS OR TWISTS. THE OWNER RESERVES THE RIGHT TO REJECT ANY SAWN WOOD MEMBERS BASED ON APPEARANCE.

8 PLYWOOD FOR ROOF AREAS SHALL BE 5/8" NOMINAL CDX PLYWOOD. JOINTS IN PLYWOOD SHEATHING SHALL OCCUR OVER SUPPORTS.

PLYWOOD FOR FLOORS SHALL BE 3/4" NOMINAL CDX PLYWOOD. JOINTS IN PLYWOOD SHALL OCCUR ON SUPPORTS.

10 THE FRAMING CONTRACTOR SHALL FURNISH ALL TIMBER CONNECTIONS BETWEEN VARIOUS ELEMENTS AND PROVIDE HARDWARE REQUIRED TO MAKE CONNECTIONS. ALL CONNECTORS SHALL BE SIMPSON "STRONG-TIE" OR APPROVED SUBSTITUTE.

11 ALL STEEL CONNECTION PLATES, BOLTS, LAG SCREWS AND OTHER STEEL ACCESSORIES SHALL BE HOT DIPPED GALVANIZED.

12 NAILING OF MEMBERS SHALL BE IN ACCORDANCE WITH NAILING SCHEDULES IN TABLE 2304.9.1, IBC2006.

13 ALL PARALLAM PSL MEMBERS SHALL BE GRADE 2.0E AS MANUFACTURED BY WEYERHAUSER, ILEVEL AND HAVE A MINIMUM DESIGN PARAMETERS AS FOLLOWS:

Fb = 2400 PSI Fv = 265 PSI E = 2,000,000 PSI

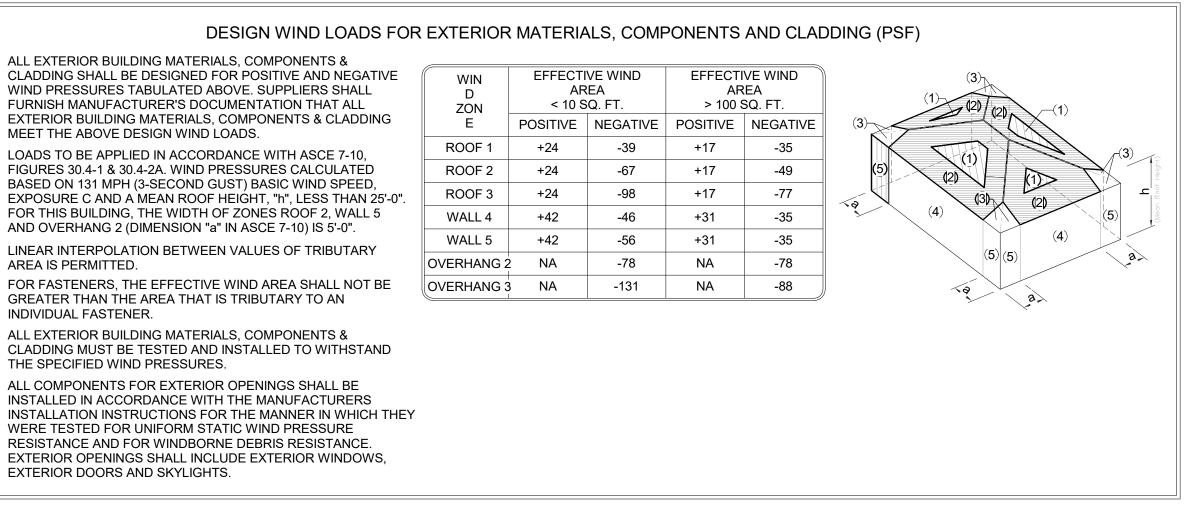
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- ALL EXTERIOR BUILDING MATERIALS, COMPONENTS & CLADDING SHALL BE DESIGNED FOR POSITIVE AND NEGATIVE WIND PRESSURES TABULATED ABOVE. SUPPLIERS SHALL FURNISH MANUFACTURER'S DOCUMENTATION THAT ALL EXTERIOR BUILDING MATERIALS, COMPONENTS & CLADDING MEET THE ABOVE DESIGN WIND LOADS.
- LOADS TO BE APPLIED IN ACCORDANCE WITH ASCE 7-10, FIGURES 30.4-1 & 30.4-2A. WIND PRESSURES CALCULATED BASED ON 131 MPH (3-SECOND GUST) BASIC WIND SPEED. EXPOSURE C AND A MEAN ROOF HEIGHT, "h", LESS THAN 25'-0". FOR THIS BUILDING, THE WIDTH OF ZONES ROOF 2, WALL 5

2

3

- LINEAR INTERPOLATION BETWEEN VALUES OF TRIBUTARY AREA IS PERMITTED.
- FOR FASTENERS, THE EFFECTIVE WIND AREA SHALL NOT BE GREATER THAN THE AREA THAT IS TRIBUTARY TO AN INDIVIDUAL FASTENER.
- ALL EXTERIOR BUILDING MATERIALS, COMPONENTS & 5 CLADDING MUST BE TESTED AND INSTALLED TO WITHSTAND THE SPECIFIED WIND PRESSURES.
- 6 ALL COMPONENTS FOR EXTERIOR OPENINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS INSTALLATION INSTRUCTIONS FOR THE MANNER IN WHICH THEY WERE TESTED FOR UNIFORM STATIC WIND PRESSURE RESISTANCE AND FOR WINDBORNE DEBRIS RESISTANCE. EXTERIOR OPENINGS SHALL INCLUDE EXTERIOR WINDOWS, EXTERIOR DOORS AND SKYLIGHTS.







"The Junction Where Good Friends Meet"

Hanson No. 17L0017-1006
Filename CITY OF KENEDY SPORTS COMPLEX
Scale 3/16" = 1'-0"
 Date 08/06/19

LAYOUT	MF	08/06/19
DRAWN	MF	08/06/19
REVIEWED	LBS	08/06/19

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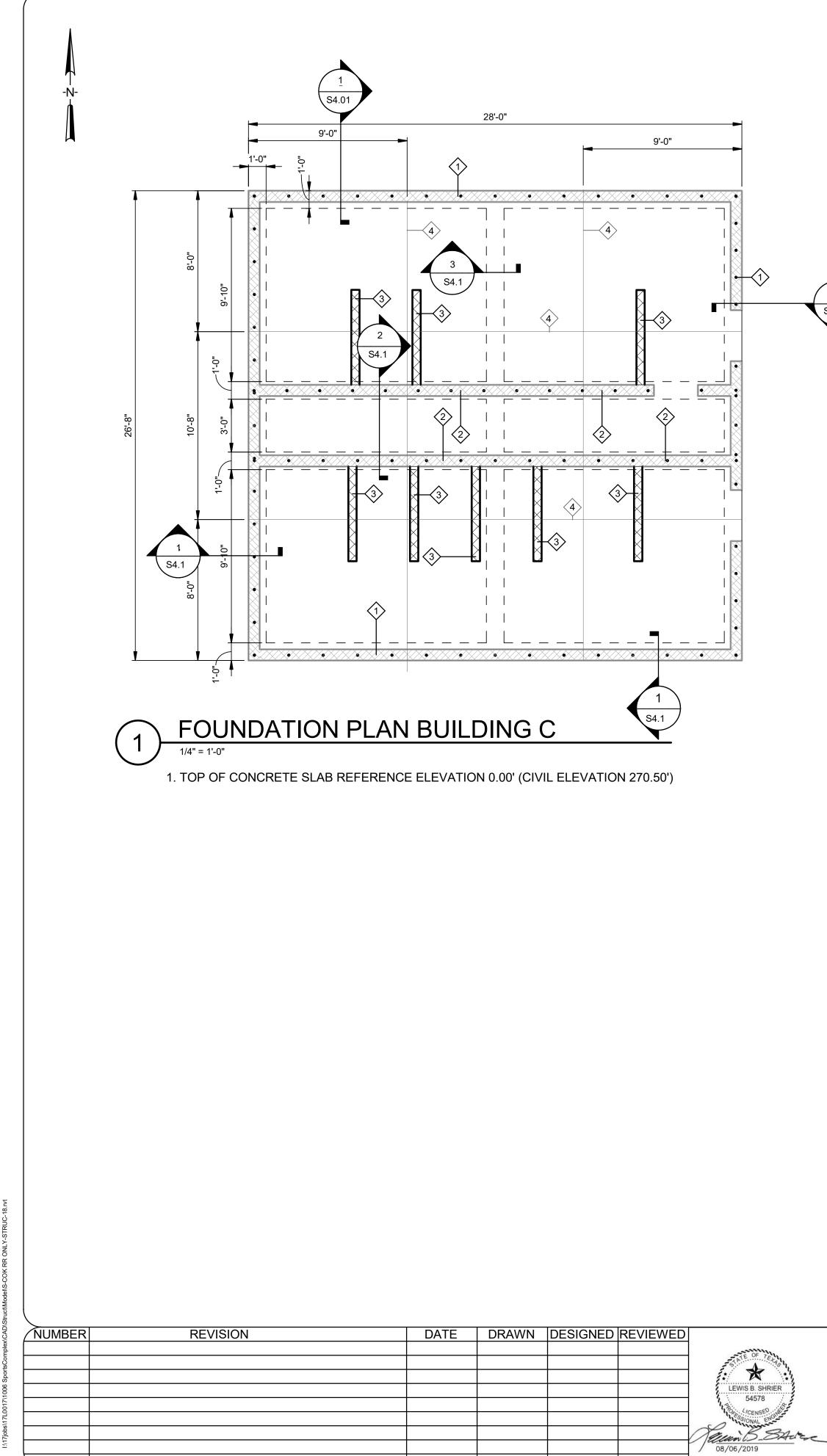
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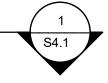
GENERAL NOTES

CONSTRUCTION DRAWINGS FOR LARRY KIESLING YOUTH SPORTS COMPLEX CITY OF KENEDY

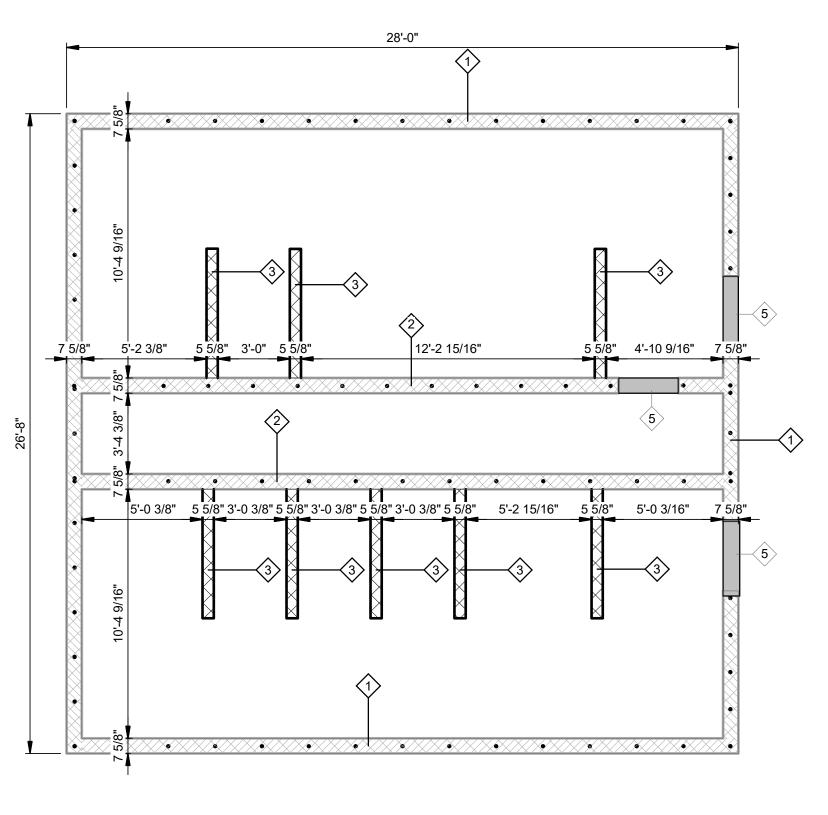
S0.2



- Reference Notes18' CMU EXTERIOR WALL REINFORCE WITH#4 VERTICAL BARS @ 48"
- 8" CMU INTERIOR LOAD BEARING WALL REINFORCE WITH #4 VERTICAL BARS @ 48"
- 3" CMU INTERIOR PARTITION WALL REINFORCE WITH #4 VERTICAL BARS @ 48" OC
- (4) 1 1/4" DEEP SAWCUT CONTROL JOINT
- 5 WINDOW OR DOOR HEADER, TEE TYPICAL LINTEL DETAIL 3/S6.1



REFER TO DETAIL SHEET S4.01 FOR TYPICAL PIPE PENETRATIONS THROUGH GRADE BEAMS







"The Junction Where Good Friends Meet"

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Filename CITY OF KENEDY SPORTS COMPLEX			
Scale 1/4" = 1'-0"			
Date 08/06/19			
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LAYOUT	MF	08/06/19	
DRAWN	MF	08/06/19	
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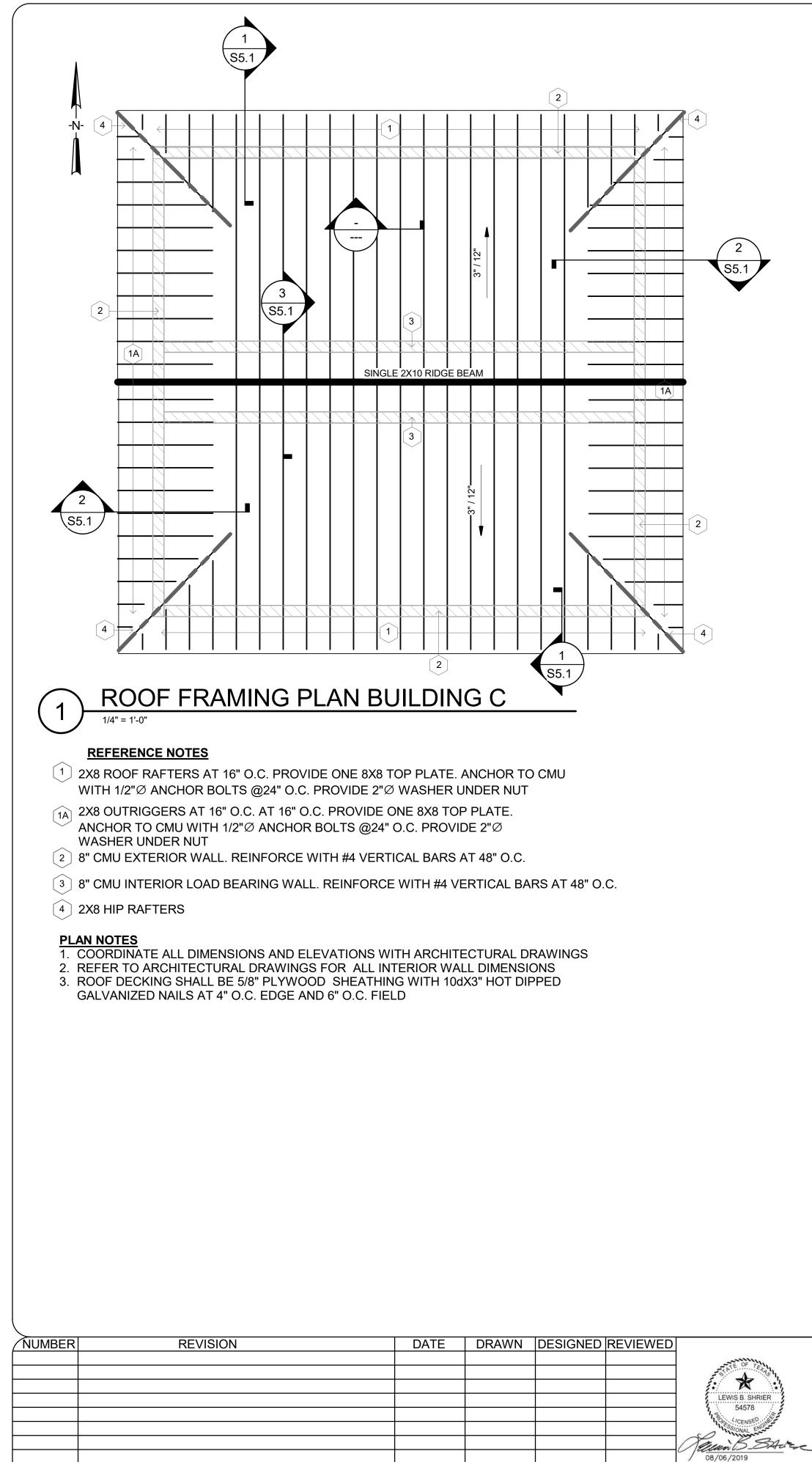
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FOUNDATION PLAN BLDG. C

CONSTRUCTION DRAWINGS FOR LARRY KIESLING YOUTH SPORTS COMPLEX CITY OF KENEDY

S3.1



City of

"The Junction Where Good Friends Meet"

Hanson No. 17L0017-1006
Filename CITY OF KENEDY SPORTS COMPLEX
Scale 1/4" = 1'-0"
 Date 08/06/19

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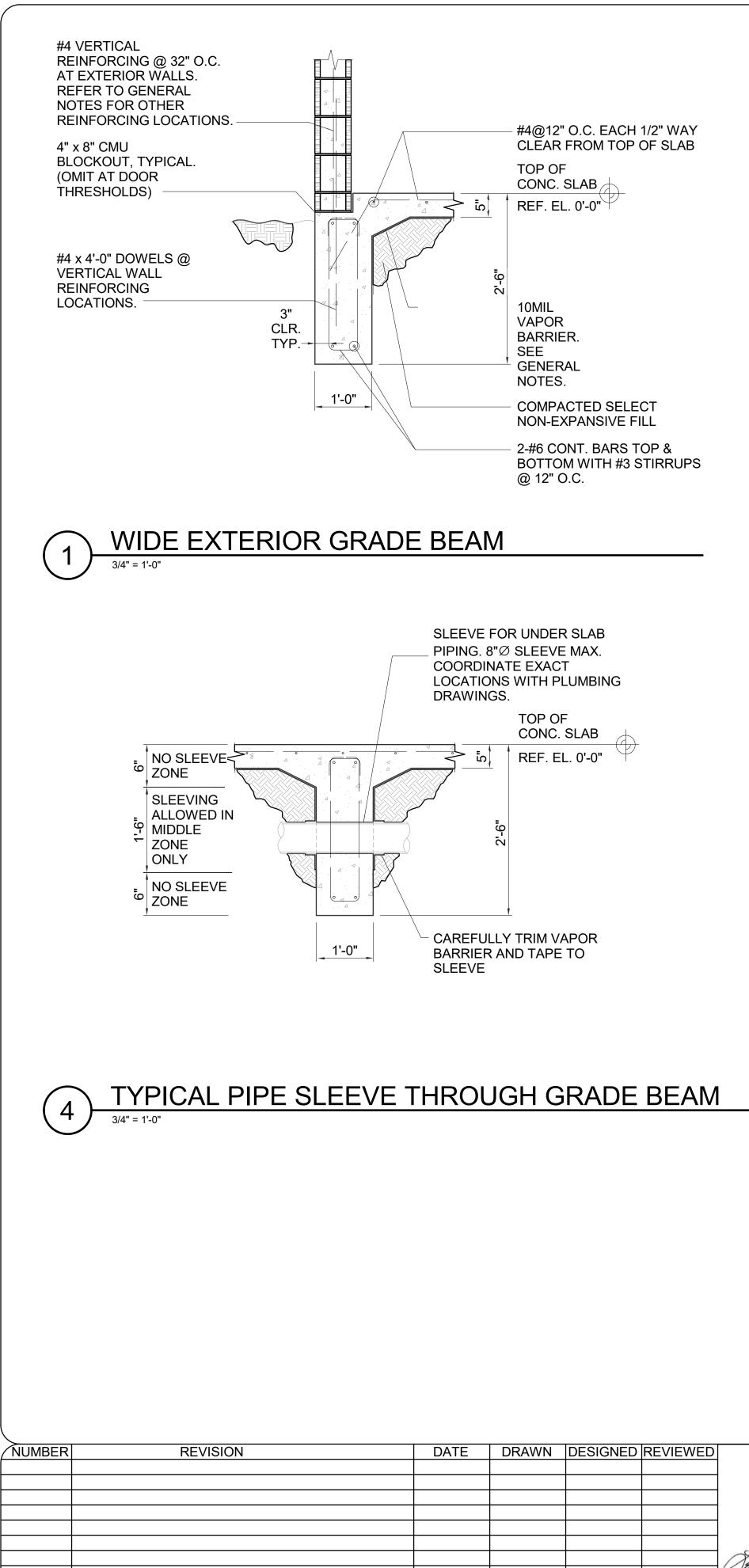
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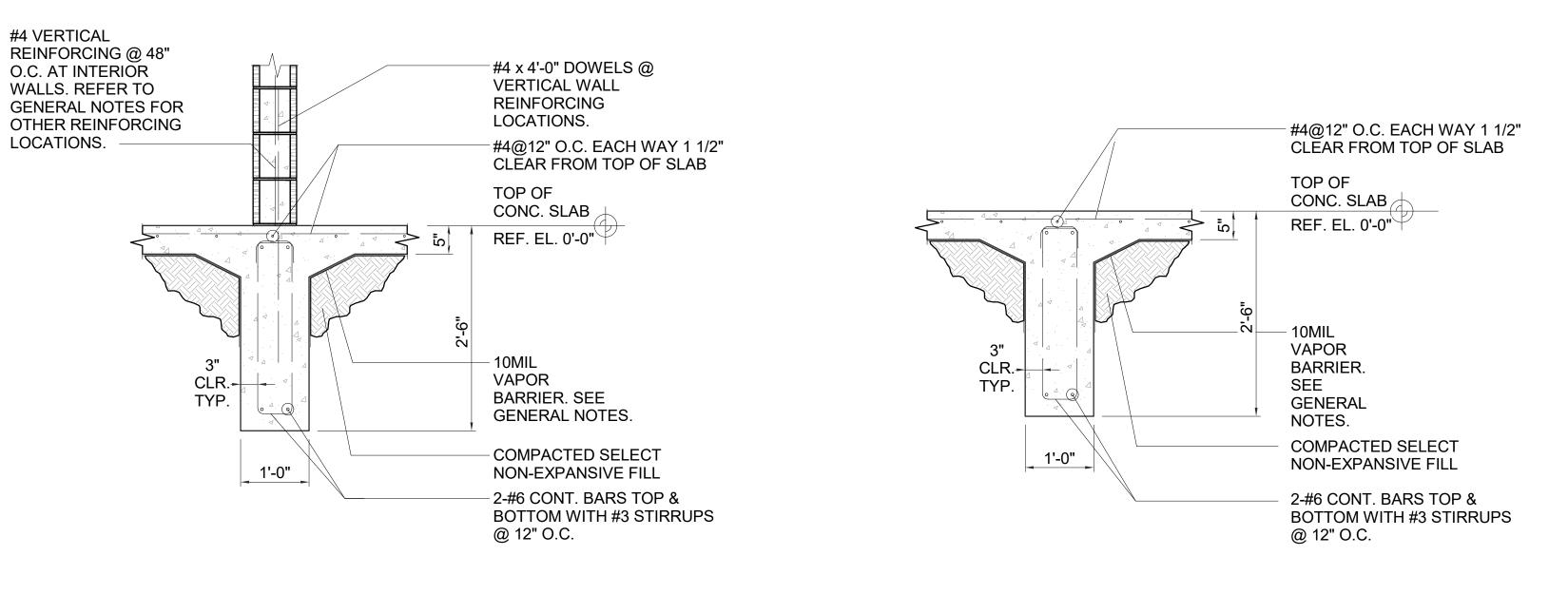
ROOF FRAMING PLAN BLDG. C

S3.2

CONSTRUCTION DRAWINGS FOR LARRY KIESLING YOUTH SPORTS COMPLEX CITY OF KENEDY



★ LEWIS B. SHRIER 54578 Herin B-SAdere 08/06/2019











"The Junction Where Good Friends Meet"

	Hanson No. 17L0017-1006			
Filename CITY OF KENEDY SPORTS COMP				
	Scale 3/4" = 1'-0"			
	Date 08/06/19			

LAYOUT	LBS	08/06/19
DRAWN	LBS	08/06/19
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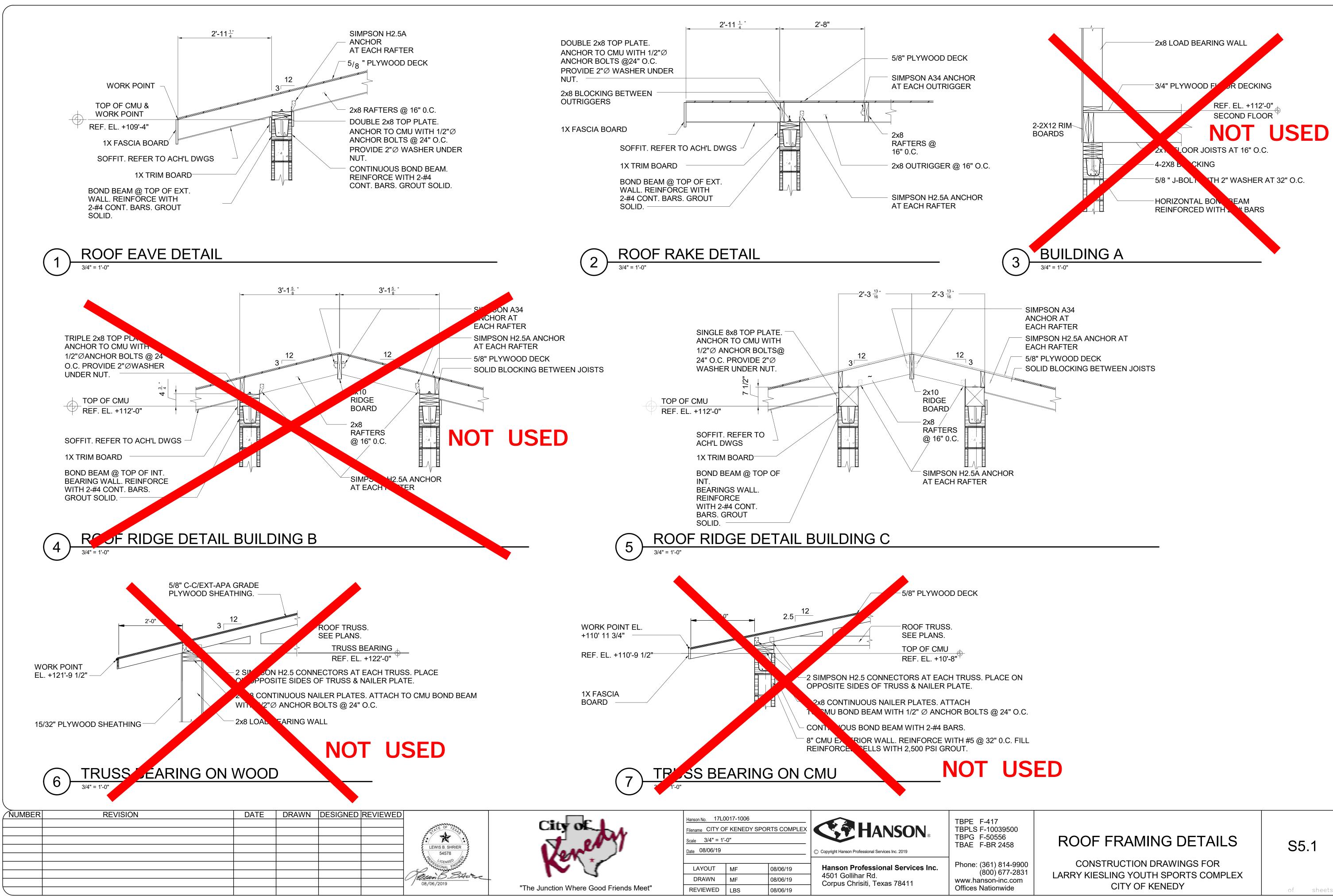
TYPICAL INTERIOR GRADE BEAM

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FOUNDATION DETAILS

CONSTRUCTION DRAWINGS FOR LARRY KIESLING YOUTH SPORTS COMPLEX CITY OF KENEDY

S4.1



DESIGN BASIS PRODUCT:

TOILET PARTITIONS:

DESCRIPTION: HIGH DENSITY POLYETHYLENE (HDPE) PANELS. PILASTERS AND DOORS CONSTRUCTION, PILASTERS SHALL BE MOUNTED TO THE FACE OF THE 6" CMU PARTITIONS AT EACH TOILET STALL

PRODUCT COMPLIANCE:

- PANEL THICKNESS: 1 INCH CROSS SECTION
- · COLOR: AS SELECTED BY OWNER FROM MFR'S. STD. COLORS
- MOUNTING HARDWARE:
 - DOOR PANEL: STAINLESS STEEL OPERATING HARDWARE WITH PIANO HINGE FOR DOOR
 - ··· PANELS: STAINLESS STEEL CONTINUOUS MOUNTING
 - BRACKETS
 - ··· ANCHOR TRIM: STAINLESS STEEL

MANUFACTURERS / PRODUCTS:

· BOBRICK

- AMERICAN SPECIALTIES INC. ASI ACCURATE PARTITIONS · OR APPROVED EQUIVALENT

INSTALLATION:

INSTALLATION SHALL USE VANDAL RESISTANT FASTENERS. AND BE CONDUCTED IN ACCORDANCE TO THE MANUFACTURER'S INSTRUCTIONS FOR THE WALL TYPE. PARTITION PANELS SHALL BE INSTALLED STRAIGHT. PLUMB AND RIGID (NOT LOOSE).

SUBMITTALS:

· SUBMITTAL REQUIRED; PACKAGE PER THE INSTRUCTIONS IN THIS SET OF CONSTRUCTION DRAWINGS.

DESIGN BASIS PRODUCT:

COMPOSITE FRAME WINDOWS:

DESCRIPTION:

A COMPOSITE FRAME WINDOW WITH HIGH PERFORMANCE GLAZING, FOR BOTH INSET (THRU FRAME AND [NAILING] FIN TYPE INSTALLATION

MANUFACTURERS / PRODUCTS:

- ANDERSON WINDOWS AND DOORS: A-100 WINDOW SERIES FRAME COLOR TO BE DETERMINED
- REFER TO THE WINDOW SCHEDULE FOR DIMENSIONS AND OPERATING TYPES
- PROVIDE THE STANDARD MANUFACTURER'S WARRANTY · GLAZING SHALL BE:
 - ·· HIGH-PERFORMANCE LOW-E PER THE MANUFACTURER

INSTALLATION:

WINDOWS ARE TO BE INSTALLED IN BOTH CONVENTIONAL WOOD FRAMING AND INSET (THRU FRAME) INTO CONCRETE UNIT MASONRY ROUGH OPENINGS. FASTENERS SHALL BE CORROSIVE RESISTANT, AND PER THE SIZE / TYPE RECOMMENDED BY THE MANUFACTURER

REFER TO THE BUILDING ELEVATIONS AND WINDOW SCHEDULES FOR MORE INFORMATION

SUBMITTALS:

SUBMITTAL REQUIRED; PACKAGE PER THE INSTRUCTIONS IN THIS SET OF CONSTRUCTION DRAWINGS.

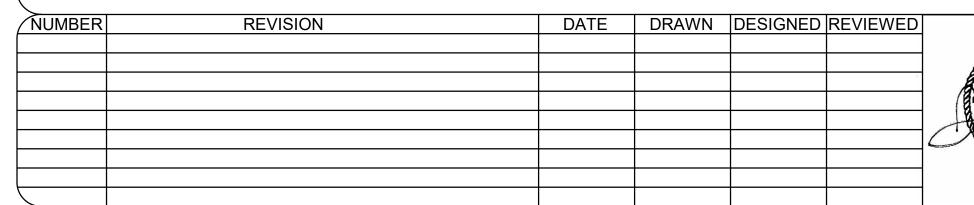
DESIGN BASIS PRODUCT:

RESILIENT SHEET VINYL FLOORING:

DESCRIPTION: SHEET VINYL WITH HEAT WELDED AND FLASH COVED 6" BASE IN COLOR ANCHOR 20 MIL COMMERCIAL FLOORING

- **RESILIENT FLOORING MATERIALS** PSI; Residual Indent ≤ 0.005 in. minimum 10 year warranty:
 - a rating of 9 on the MOH (Hardness Scale).
 - the USA. WALL BASE MATERIALS
- 2.02 2.03 ADHESIVES
- Adhesive] under the flooring. broadloom carpet materials. 2.04 ACCESSORIES
 - broadloom carpet materials. manufacturer.
 - manufacturer's recommendations for integral flash cove as approved by the Architect.] (2.54 cm) of wood or plastic.] G. Provide threshold of thickness and width as shown on the drawings. standard colors available.
- INSTALLATION OF FLOORING the subfloor around covers and to covers. and built-in furniture and cabinets. vinyl per manufacturer's instructions.

F. Install flooring with adhesives, tools, and procedures in strict accordance with the manufacturer's written instructions. Observe the recommended adhesive trowel notching, open times, and working times.



A. Provide Mannington Mills, Inc. heterogeneous resilient vinyl sheet flooring in [color selected from the range currently available], [6'] [9'] [12'] wide, having a nominal total thickness of .080 in. (2.0 mm). The vinyl wear surface shall be composed of polyvinyl chloride resin, plasticizers, stabilizers, fillers, and pigments. Vinyl sheet flooring shall conform to the requirements of ASTM F 1913. Static Load (ASTM F970 mod.) 2,000

B. Vinyl sheet flooring shall have one of the following topical wear layers with

1. Quantum Guard HP wear layer composed of a urethane aluminum oxide topcoat cured by an ultraviolet process. The aluminum oxide wear layer shall have

2. Quantum Guard Elite wear layer with a patent-pending two-part wear layer and aluminum oxide infused top coat cured by ultraviolet process.

C. Environmental: Flooring must be FloorScore certified. Flooring must be made in

A. For integral flash cove base: Provide integral flash cove wall base by extending sheet flooring [4 in. (10.16 cm)] [6 in. (15.24 cm)] up the wall using adhesive, welding rod, and accessories recommended and approved by the flooring manufacturer. B. For top set wall base: Provide Mannington Commercial [0.080 in. (2.0 mm)] [1/8 in. (3.2 mm)] thick, [2 1/2 in. (6.35 cm)] [4 in. (10.16 cm)] [6 in. (15.24 cm)] high wall base with a matte finish, conforming to ASTM F 1861, [Type TV - Vinyl, Thermoplastic] [Type TS – Rubber, Thermoset Vulcanized] [Type TP - Rubber, Thermoplastic], Group 2 - Layered, [Style A – Straight] [Style B – Cove] with MR-101 Installation Adhesive.

A. Provide Mannington [V-82 Acrylic Flooring Adhesive] [V-95 Two Component Polyurethane Adhesive] [V-88 High Moisture Flooring Adhesive] [XpressStep Spray

B. Provide [MLG-33 Seam Sealer] [Solid Color Vinyl Weld Rod] as produced by the manufacturer of the resilient flooring and intended for welding of seams. [Weld rod color shall be compatible with field color of flooring or as selected by Architect to contrast with field color of flooring. Color selected from the range currently available.] C. Provide MT-800 Seam Sealer, if needed, to chemically weld product to surrounding

A. Resilient sheet goods must have the ability to be chemically welded to adjoining

B. For patching, smoothing, and leveling monolithic subfloors (concrete, terrazzo, quarry tile, ceramic tile, and certain metals), provide Portland cement-based latex underlayment or patch and skim coat as recommended by the resilient flooring

C. For sealing joints between the top of wall base or integral cove cap and irregular wall surfaces such as masonry, provide plastic filler applied according to the

D. [Provide top edge trim caps of [plastic] [anodized aluminum] [plastic zero reducer]

E. [Provide a fillet support strip for integral cove base with a minimum radius of 1 in.

F. Provide transition / reducing strips tapered to meet abutting materials.

H. Provide resilient edge strips of width shown on the drawings, of equal gauge to the flooring, homogeneous vinyl or rubber composition, tapered or bullnose edge, with color to match or contrast with the flooring, or as selected by the Architect from

I. Provide metal edge strips of width shown on the drawings and of required thickness to protect exposed edges of the flooring. Provide units of maximum available length to minimize the number of joints. Use butt-type metal edge strips for concealed anchorage, or overlap-type metal edge strips for exposed anchorage. Unless otherwise shown, provide strips made of extruded aluminum with a mill finish.

A. Install flooring in strict accordance with the manufacturer's written instructions. B. Install flooring wall to wall before the installation of floor-set cabinets, casework, furniture, equipment, movable partitions, etc. Extend flooring into toe spaces, door recesses, closets, and similar openings as shown on the drawings.

C. If required, install flooring on pan-type floor access covers. Maintain continuity of color and pattern within pieces of flooring installed on these covers. Adhere flooring to

D. Scribe, cut, and fit to permanent fixtures, columns, walls, partitions, pipes, outlets,

E. Chemically weld LVT to adjoining broadloom carpet materials (Mannington Integra HP). Chemical welding carpet to sheet vinyl: Mannington's seam sealer MT-800 must be used to chemically weld Integra HP / Integra HP RE Backing to commercial sheet

INSTALLATION OF ACCESSORIES

A. Apply top set wall base to walls, columns, casework, and other permanent fixtures in areas where top-set base is required. Install base in lengths as long as practical, with inside corners fabricated from base materials that are mitered or coped. Tightly bond base to vertical substrate with continuous contact at horizontal and vertical surfaces.

B. Fill voids with plastic filler along the top edge of the resilient wall base or integral cove cap on masonry surfaces or other similar irregular substrates.

C. Place resilient edge strips tightly butted to flooring, and secure with adhesive recommended by the edge strip manufacturer. Install edge strips at edges of flooring

that would otherwise be exposed. D. Apply [butt-type] [overlap] metal edge strips where shown on the drawings, [before] [after] flooring installation. Secure units to the substrate, complying with the edge strip manufacturer's recommendations.

INSTALLATION METHOD PER MANUFATURER BY APPROVED INSTALLER

MANUFACTURERS / PRODUCTS: MANNINGTON FLOORING

COLOR ANCHOR COLLECTION ARC AND PRISM WATER JET LOGO OR APPROVED EQ.

DESIGN BASIS PRODUCT:

RESINOUS FLOOR FINISH:

DESCRIPTION: CLASS I RATED FLOOR FINISH

RESINOUS FLOORING TYPE 1:

 SLIP RESISTANT RESINOUS FLOORING: 2 COMPONENT, SOLVENT-FREE, FREE FLOWING, ALIPHATIC URETHANE SYSTEM, 3/32 TO 1/8 INCH (FIN. THICKNESS) NOMINAL FLOOR FINISH, WITH QUARTZ AGGREGATE BROADCAST MEDIA FOR SLIP RESISTANCE

• FOR USE IN BUILDING "A", REFER TO THE ROOM FINISH SCHEDULE

RESINOUS FLOORING TYPE 2:

DECORATIVE RESINOUS FLOORING: 3/32 TO 1/8 INCH (FIN. THICKNESS) NOMINAL FLOOR FINISH WITH SLIP RESISTANCE PROPERTIES AND 1/4 INCH DECORATIVE FLAKE BROADCAST MEDIA

- FOR USE IN BUILDING "A", REFER TO THE ROOM FINISH SCHEDULE
- FOR USE IN BUILDING "B", REFER TO THE ROOM FINISH SCHEDULE

MANUFACTURERS / PRODUCTS:

THE STONHARD GROUP (WWW.STONHARD.COM)

·· TYPE 1: STONSHIELD URT, AND ASSOCIATED

- SUBSURFACE PRIMER, AGGREGATE AND SEALER WITH **COVE BASE OPTION - 4 INCHES**
- ··· TYPE 2: STONTEC XPRESS, AND ASSOCIATED
- SUBSURFACE PRIMER, AGGREGATE, COLORED FLAKES,
- AND SEALER, WITH COVER BASE OPTION 4 INCHES

OR APPROVED EQUIVALENT COLORS PER THE MANUFACTURER'S STANDARD COLORS PER FLOORING SERIES

INSTALLATION:

PER THE MANUFACTURER'S RECOMMENDED PROCESS

INSTALLER SHALL HAVE MINIMUM FIVE YEARS EXPERIENCE IN APPLYING THIS MATERIAL TO BOTH NEW AND OLD CONCRETE

SUBMITTALS:

SUBMITTAL REQUIRED; PACKAGE PER THE INSTRUCTIONS IN THIS SET OF CONSTRUCTION DRAWINGS.





"The Junction Where Good Friends Meet"

anson No. 17L0017 1006 ame CITY OF KENEDY SPORTS COMPLEX

Scale				
Date 8/06/19				
LAYOUT	AGP	8/06/19		
DRAWN	AGP	8/06/19		
REVIEWED	JER	8/06/19		

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DESIGN BASIS PRODUCT:

PAINT PRIMERS AND COATINGS:

FOR CONCRETE MASONRY UNITS- INTERIORS: 1. PRIMER: SHERWIN WILLIAMS LOXON BLOCK SURFACER, A24W200 2. FINAL COAT: SHERWIN WILLIAMS PRO INDUSTRIAL WATER BASED PRE-CATALYZED EPOXY SEMI-GLOSS, K46 SERIES; COLOR T.B.D.

FOR CONCRETE MASONRY UNITS- EXTERIOR: 1. PRIMER: SHERWIN WILLIAMS LOXON BLOCK SURFACER, A24W200 2. FINAL COAT: SHERWIN WILLIAMS A-100 EXTERIOR LATEX SATIN. A82 SERIES: COLOR T.B.D.

FOR FIBER CEMENT MATERIAL:

1. PRIMER: QUICK DRY INTERIOR / EXTERIOR STAIN BLOCKING PRIMER: WHITE 2. FINAL COAT: SHERWIN WILLIAMS A-100 EXTERIOR LATEX SATIN, A82 SERIES; COLOR T.B.D.

FOR LUMBER/PLYWOOD:

1. PRIMER: SHERWIN WILLIAMS A-100 EXTERIOR FAST DRY STAIN BLOCKING ALKYD WOOD PRIMER: WHITE 2. FINAL COAT: SHERWIN WILLIAMS A-100 EXTERIOR LATEX SATIN. A82 SERIES: COLOR T.B.D.

FOR FACTORY PRIMED STEEL DOORS AND FRAMES:

1. PRIMER: NONE 2. FINAL COAT: SHERWIN WILLIAMS PRO-INDUSTRIAL STM ACRYLIC, COLOR T.B.D. PRIMER:

1. SHERWIN WILLIAMS QUICK DRY INTERIOR/EXTERIOR STAIN BLOCKING PRIMER FINAL COAT:

1. SHERWIN WILLIAMS PROMAR 400 ZERO VOC INTERIOR LATEX EGG SHELL FINISH

INSTALLATION:

APPLY ONE (1) COAT PRIMER TO PREVIOUSLY UNPAINTED SURFACES, AND TWO (2) COATS OF FINISH PAINT TO ALL SURFACES.

ABIDE BY THE MANUFACTURER'S RECOMMENDATIONS FOR SURFACE PREPARATION AND COATING APPLICATION FOR EACH INDIVIDUAL COATING BEING SPECIFIED/USED ON THE PROJECT

ALL CRACKS AND SUBSURFACE FAILURES MUST BE CORRECTED/REPAIRED BEFORE FINISHING

SUBMITTALS:

· SUBMITTAL REQUIRED; PACKAGE PER THE INSTRUCTIONS IN THIS SET OF CONSTRUCTION DRAWINGS

DESIGN BASIS PRODUCT:

SUSPENDED ACOUSTICAL CEILING SYSTEM:

DESCRIPTION:

PAINTED STEEL GRID SYSTEM WITH LAY-IN, MINERAL FIBER TILES IN STANDARD SIZES PER MANUFACTURER'S PRODUCT LINE

TILE THICKNESS:	5/8 TO 3/4 INCH
TILE SIZE:	2'-0" X 2'-0"
TILE EDGE:	SQUARE
TILE COLOR:	WHITE

TILE PROPERTIES:

- MOISTURE RESISTANT
- ORGANIC GROWTH RESISTANT
- · CLASS A FIRE RESISTANCE IN ACCORDANCE WITH ASTM E84 OR UL 723 · CLEANABLE SURFACE

15/16" GRID SYSTEM: GRID COLOR: WHITE

MANUFACTURERS / PRODUCTS:

- ARMSTRONG FINE FISSURED, No. 1831 APC-2
- ARMSTRONG KITCHEN ZONE, No. 673 APC-1 · USG
- RADAR ACOUSTICAL PANELS, No. 2215 KITCHEN LAY-IN ACOUSTICAL PANELS, No. 3210 · USG

OR APPROVED EQUIVALENT

NOTE: ARMSTRONG No. 673 OR USG No. 3210 FOR KITCHEN, CONCESSIONS, AND CONCESSIONS STORAGE AREA IN BLDG. A

INSTALLATION:

INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. CEILING SHALL BE INSTALLED LEVEL ACROSS VISIBLE SURFACE PLANE.

SUBMITTALS:

 SUBMITTAL REQUIRED; PACKAGE PER THE INSTRUCTIONS IN THIS SET OF CONSTRUCTION DRAWINGS

TBPE F-417 TBPLS F-10039500 TBPG F-50556 TBAE F-BR 2458

Phone: (361) 814-9900 (800) 677-2831 www.hanson-inc.com

ARCHITECTURAL DESIGN **BASIS INFORMATION** CONSTRUCTION DRAWINGS FOR LARRY KIESLING YOUTH SPORTS COMPLEX CITY OF KENEDY

A-000

DESIGN BASIS PRODUCT:

PREFINSIHED CONCEALED FASTENER METAL ROOF PANELS:

DESCRIPTION: INSTALLATION FASTENERS AND CLIPS SHALL BE CORROSIVE RESISTANT.

MANUFACTURER/SERIES:

- METAL BUILDING COMPONENTS INC. (MBCI)
 - ··· SUPERLOK, 24 GAUGE, FINISH- STRIATED (STANDARD);
 - ··· COATING- SIGNATURE 300, COLOR- T.B.D. ··· PANEL WIDTH; 16 INCHES
- OR APPROVED EQUIVALENT

ASSOCIATED HIP, FASCIA AND RIDGE TRIM SHALL BE COLOR COORDINATED WITH THE ROOF COLOR

SUBMITTALS:

SUBMITTAL REQUIRED; PACKAGE PER THE INSTRUCTIONS IN THIS SET OF CONSTRUCTION DRAWINGS.

DESIGN BASIS PRODUCT:

OVERHEAD COILING DOORS

DESCRIPTION: OVERHEAD ROLLING COUNTER DOOR AND FACE MOUNTED GUIDE RAILS

CURTAIN: INTERLOCKING ALUMINUM FACE SLATS, CLEAR ANODIZED FINISH

- GUIDES: EXTRUDED ALUMINUM, FACE MOUNTED, CLEAR ANODIZED FINISH LAP SIDING: BOTTOM RAIL: EXTRUDED ALUMINUM, CLEAR ANODIZED FINISH WITH VINYL · STYLE: STANDARD LAP STYLE GASKET
- OPERATION: MANUAL PUSH UP, PROVIDE POLE HOOK FOR EACH DOOR
- PROVIDE WEATHER SEALS FOR EDGES AND HEAD FOR EXTERIOR USE PROVIDE SLIDE LOCKS AT EACH JAMB, EACH UNIT SHOULD BE PADLOCK

CAPABLE FROM INSIDE, BOTH JAMBS

WIND LOADING: DESIGN PRESSURE CHART LOCATED IN THE STRUCTURAL SHEETS, THIS SET

MANUFACTURERS / PRODUCTS:

- CORNELL IRON WORKS, MODEL ESC10 ROLLING COUNTER DOOR CLOPAY BUILDING PRODUCTS
- INSTALLATION:

INSTALL DOOR AND OPERATING EQUIPMENT WITH NECESSARY HARDWARE. ANCHORS, INSERTS, HANGERS AND SUPPORTS. FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS

SUBMITTALS:

SUBMITTAL REQUIRED; PACKAGE PER THE INSTRUCTIONS IN THIS SET OF CONSTRUCTION DRAWINGS.

DESIGN BASIS PRODUCT:

CONCRETE SEALER FOR FLOORS:

DESCRIPTION: CLEAR FINISH, WATER BASED PRODUCT - WATER. OIL AND STAIN REPELLENT FOR NEW CONCRETE SURFACES FOR USE IN BUILDING "C" AND MISC. STORAGE AREAS OR IN OTHER

BUILDINGS

- MANUFACTURERS / PRODUCTS:
- PROSOCO- CONSOLIDECK CONCRETE PROTECTOR WB OR APPROVED EQUIVALENT

SUBMITTALS:

SUBMITTAL REQUIRED; PACKAGE PER THE INSTRUCTIONS IN THIS SET OF CONSTRUCTION DRAWINGS.

DESIGN BASIS PRODUCT:

ROOFING UNDERLAYMENT

DESCRIPTION: SELF ADHERING RUBBER-M RELEASE FILM AND WOVEN POLYPROPYLE

COMPLYING WITH:

1) ASTM D 1970/D1970M- STANDARD SPE POLYMER MODIFIED BITUMINOUS SHEET ROOFING UNDERELAYMENT FOR ICE DA 2) ASTM D 3161/D316M- STANDARD TES OF STEEP SLOPE ROOFING PRODUCTS

PLYWOOD ADHESION TESTED PER ASTM D

- MANUFACTURERS / PRODUCTS:
- · GCP APPLIED TECHNOLOGIES GRACE CARLISLE WIP PRODUCTS - WIP 300 HT

SUBMITTALS: SUBMITTAL REQUIRED; PACKAGE PER T CONSTRUCTION DRAWINGS.

DESIGN BASIS PRODUCT:

FIBER CEMENT SIDING; PLANKS, SOFFITS,

COMPLYING WITH:

1) ASTM C1186 - STANDARD SPECIFICAT SHEETS (REAPPROVED 2012)

- TEXTURE: SIMULATED WOOD GRAIN
- WIDTH (HEIGHT): 7 1/2 INCHES
- EXPOSURE: 6 INCHES THICKNESS: 5/16 INCHES
- FINISH: FACTORY PRIMED
- SOFFIT PANELS:
- TEXTURE: SMOOTH
- THICKNESS: 5/16 INCHES
- FINISH: FACTORY PRIMED

TRIM AT INSIDE/OUTSIDE CORNERS, OPENI TRANSITIONS:

- TEXTURE: SIMULATED WOOD GRAIN
- THICKNESS: NOMINAL 3/4 INCH FINISH: FACTORY PRIMED

SIDING PANELS:

- TEXTURE: SIMULATED WOOD GRAIN
- THICKNESS: NOMINAL 5/16 INCH
- FINISH: FACTORY PRIMED

MANUFACTURERS:

- · JAMES HARDIE PRODUCTS
- ALLURA, A DIVISION OF PLYCEM USA, INC
- OR APPROVED EQUIVALENT

SUBMITTALS:

SUBMITTAL REQUIRED; PACKAGE PER TH CONSTRUCTION DRAWINGS.

DESIGN BASIS PRODUCT:

BATT INSULATION:

- 1) DESCRIPTION: SUSTAINABLE GLASS
- FORMALDEHYDE-FREE BINDING AGENT
- 2) IN COMPLIANCE WITH ASTM C553 ANI
- 3) FIRE RESISTANCE- IN COMPLIANCE V
- 4) NONCOMBUSTIBILITY- IN COMPLIANC
- 5) THERMAL PERFORMANCE- ASTM C518
- 6) FUNGAL RESISTANCE- ASTM C1338 7) ODOR EMISSION- ASTM C1304
- 8) CORROSIVENESS- ASTM C 665

MANUFACTURERS / PRODUCTS:

- · CERTAINTEED
- · KNAUF
- OWENS CORNING

INSTALLATION: FRICTION FIT BETWEEN WOOD OR META

SUBMITTALS:

 SUBMITTAL REQUIRED; PACKAGE PER T CONSTRUCTION DRAWINGS.

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14						
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	DESIGN BASIS PRODUCT:	DESIGN BAS		
	WEATHER BARRIER; MECHANICALLY FASTENED:	DOORS AND		
MODIFIED SHEET WITH STRIPPABLE ENE SHEET TOP SURFACE	DESCRIPTION: FOR USE OVER WOOD FRAMED, EXTERIOR WALLS - NO WOVEN, NON PERFORATED SHEET PRODUCT COMPLYING WITH: 1) AATCC TEST METH. 127- WATER RESISTANCE: HYDROSTATIC PR			
PECIFICATION FOR SELF-ADHERING ET MATERIAL USED AS STEEP AM PROTECTION; 2013 ST METHOD FOR WIND RESISTANCE	TEST; 2013 2) ASTM E84- STANDARD TEST METHOD FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS; 2014 3) ASTM E96/E96M- STANDARD TEST METHOD FOR WATER VAPOR TRANSMISSION OF MATERIALS; 2014			
S (FAN INDUCED METH.); 2014	 4) ASTM E2178- STANDARD TEST METHOD FOR AIR PERMEANCE OF BUILDING MATERIALS; 2014 	F · CORE: · FINISH:		
D 903	SEAM TAPE: AS RECOMMENDED BY MANUFACTURER FASTENERS: AS RECOMMENDED BY MANUFACTURER	DOOR FRAM · DOOR FF		
E ICE AND WATER SHIELD HT	MANUFACTURERS / PRODUCTS: · DUPONT- TYVEK COMMERCIAL WRAP	· DOOR FF HEADER FO		
THE INSTRUCTIONS IN THIS SET OF				
	DESIGN BASIS PRODUCT:			
	CONCRETE MASONRY UNITS; ALL SIZES:	INSTALLATIO 1. MASONR 2. WOOD FI		
<u>, PANELS, TRIM:</u> ATION FOR FLAT FIBER CEMENT	 MANUFACTURED UNITS COMPLYING WITH: 1) ASTM C90-14 - STANDARD SPECIFICATION FOR LOADBEARING CONCRETE MASONRY UNITS 2) ASTM C-129-06 - STANDARD SPECIFICATION FOR NONLOADBEAR CONCRETE MASONRY UNITS 			
	3) ASTM C55-06 - STANDARD SPECIFICATION FOR CONCRETE BUILD BRICK	DING		
	AGGREGATES USED IN MANUFACTURING CONFORM TO: 1) ASTM C33-07 - STANDARD SPECIFICATION FOR CONCRETE	DOOR HARD		
	AGGREGATES 2) ASTM C331-05 - STANDARD SPECIFICATION FOR LIGHTWEIGHT AGGREGATES FOR CONCRETE MASONRY UNITS 3) ASTM C150-07 - STANDARD SPECIFICATION FOR PORTLAND CEM 4) ASTM C618-12A - STANDARD SPECIFICATION FOR COAL FLY ASH	SUBMITTALS · SUBMITT IENT CONSTRUCT		
	TESTED IN ACCORDANCE TO: 1) ASTM C140-07A - STANDARD TEST METHODS FOR TESTING CONO MASONRY UNITS	CRETE		
NINGS, WALL TO SOFFIT	MANUFACTURERS: · HEADWATERS CONSTRUCTION MATERIALS · FEATHERLITE BUILDING PRODUCTS · OR APPROVED EQUIVLENT			
	 BLOCK TYPES: SMOOTH FACE, 8 INCH, REGULAR AND 2-SCORE UNITS SMOOTH FACE, 6 INCH, REGULAR UNITS SPLIT FACE, 8 INCH, SIDE AND CORNER UNITS BOND/LINTEL BEAMS PER STRUCTURAL DRAWINGS, SMOOTH FACE 	Ξ		
NC.	SUBMITTALS: · SUBMITTAL REQUIRED; PACKAGE PER THE INSTRUCTIONS IN THIS CONSTRUCTION DRAWINGS. DESIGN BASIS PRODUCT:	SET OF		
THE INSTRUCTIONS IN THIS SET OF	JOINT SEALANTS:			
	DESCRIPTION: FLEXIBLE AND WEATHER RESISTANT FOR THE EXTERN SEALANT FOR THE INTERIOR CAPABLE OF BEING PAINTED OVER, OR COORDINATED WITH THE PAINT TO BE APPLIED TO ADJACENT SURFA	COLOR		
S FIBER INSULATION WITH A T ND ASTM C C655	SEALANT INTEGRAL COLORS SHALL COORDINATE THE FINISHED SURF BEING APPLIED TO OR ADJACENT TO, CONTRACTOR TO PROVIDE MANUFACTURER'S STANDARD COLOR SELECTIONS TO CHOOSE FROM SUBMITTAL PACKAGE.			
WITH ASTM E84, UNFACED BATTS CE WITH ASTM E136	MANUFACTURERS / PRODUCTS:			
18	FOR EXTERIOR USE ON CONCRETE, PAINTED METAL, AND MASONRY SURFACES: · BASF MASTERSEAL NP-1, ELASTOMERIC, GUN GRADE, SINGLE COMPONENT, POLYURETHANE SEALANT			
	FOR INTERIOR USE ON CONCRETE, PAINTED METAL, AND MASONRY S • TREMCO SPECTREM 2- A SINGLE COMPONENT, MEDIUM MODULUS SEALANT, NEUTRAL CURE, OR APPROVED EQUAL			
	FOR WOOD/LUMBER SURFACES: · TREMCO, SPECTREM 2- A SINGLE COMPONENT, MEDIUM MODULUS SEALANT, NEUTRAL CURE, OR APPROVED EQUAL	SILICONE		
TAL STUDS	INSTALLATION:			
THE INSTRUCTIONS IN THIS SET OF	APPLY SEALANTS PER MANUFACTURER'S INSTRUCTIONS. AS A BASIS SURFACES SHOULD BE FREE OF DUST, DEBRIS, OILS AND ANY OTHER CONTAMINANTS. VERIFY PREFERRED WEATHER CONDITIONS FOR INS	SURFACE		
City of	Hanson No. 17L0017 1006			
A le	Filename CITY OF KENEDY SPORTS COMPLEX Scale	IANSON BPE F-4 TBPLS F-10 TBPG F-50 TBAE F-B TBAE F-B		

Filename CITY OF KENEDY SPORTS COMPLEX			HANS	
Scale				
Date 8/06/19			Copyright Hanson Professional Services Inc. 2019	
LAYOUT	AGP	8/06/19	Hanson Professional Serv	
DRAWN	AGP	8/06/19	4501 Gollihar Rd.	
REVIEWED	Checker	8/06/19	Corpus Chrisiti, Texas 7841	

lanson Professional Services Inc. 4501 Gollihar Rd. Corpus Chrisiti, Texas 78411

Phone: (361) 814-9900 (800) 677-2831 www.hanson-inc.com Offices Nationwide

ASIS PRODUCT:

ND HARDWARE

TION: HOLLOW METAL, INSULATED, STEEL DOOR AND FRAME, TION FASTENERS SHALL BE CORROSIVE RESISTANT.

TION: NESS: 1 3/4" T/WIDTH: PER DOOR SCHEDULE SKINS; 18 GA. POLYSTYRENE FACTORY PRIMED

MES

FRAMES: 16 GA., FACTORY PRIMED, FIELD PAINTED FRAME TO INCLUDE 4" HEADER FOR MASONRY OPENINGS, 2" FOR ALL OTHER OPENINGS

TURERS:

ES, A DIVISION OF ASSA ABLOY **PROVED EQUIVALENT**

FION TYPES:

NRY OPENINGS FRAMED OPENINGS

PES/MODELS:

- ES. MODEL 707, FLUSH DOORS
- ES, MODEL 767, STILE/RAIL DOORS
- •• TYPE: FLUSH WITH FULL GLAZING (TYPE FG) ··· TYPE: FLUSH WITH NARROW LIGHT (TYPE FNV1)
- ··· TYPE: FLUSH WITH LOUVER (TYPE FL2)

RDWARE:

HE HARDWARE SCHEDULE; REFER TO ARCHITECTURAL DRAWINGS

ALS:

TTAL REQUIRED; PACKAGE PER THE INSTRUCTIONS IN THIS SET OF CTION DRAWINGS.

-417 10039500 -50556 TBAE F-BR 2458

ARCHITECTURAL DESIGN **BASIS INFORMATION** CONSTRUCTION DRAWINGS FOR

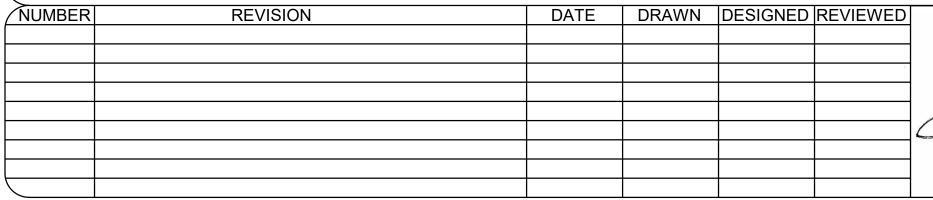
LARRY KIESLING YOUTH SPORTS COMPLEX

CITY OF KENEDY

A-001

ABBREVIATIONS

	INCHES NUMBER, POUND	CORR CPT	CORRECT; CORRIDOR CARPET; CONTROL POWER TRANSFORMER
	AND	CSK	COUNTER SUNK
		CW	CASEMENT WINDOW; CHEMICAL WASTE LINE; CLOCKWISE
	PLUS OR MINUS AT		COLD WATER PIPING; COOL WHITE
	DEGREE (S)	D	
		DBL DET	DOUBLE DETAIL
C	AIR CONDITIONED	DET	DETAIL DRINKING FOUNTAIN; DIESEL FUEL; DAMAGE FREE
	ANCHOR BOLT	DIA	DIAMETER
RV		DIAG	DIAGONAL; DIAGRAM
2	AGGREGATE BASE COURSE; ASSOCIATED BUILDERS AND CONTRACTORS	DIM DISP	DIMENSION DISPENSER
RSV	ABRASIVE	DL	DEAD LOAD
C DUS INSUL	ACCESSIBLE ACOUSTICAL INSULATION	DMPF	
OUS INSUL	ACOUSTICAL PANEL	DR DS	DINNING ROOM; DOOR; DRAIN; DRESSING ROOM; DRIVE DOWNSPOUT; DOUBLE STRENGTH (GLASS); DISCONNECT
D	ASPHALTIC CONCRETE PAVING; AUTOMATIC CONTROL PANEL		SWITCH;
S PNL	ACCESS PANEL ACOUSTICAL CEILING TILE	DW	DISHWASHER; DISTILLED WATER; DOMESTIC WATER
	AREA DRAIN	E	
4	AMERICAN WITH DISABILITIES ACT	E	EAST; MODULUS OF ELASTICITY
	ABOVE FINISHED FLOOR ALTERNATE; ALTITUDE	EA EF	EACH EXTERIOR FINISH; EACH FACE
JM	ALUMINUM	EFS	EXTERIOR FINISH SYSTEM
	ACOUSTICAL PANEL CEILING	EJ	EXPANSION JOINT
D	APPROVED APPROXIMATE	EL	ELEVATION; EACH LAYER; EASEMENT LINE ELECTRIC
ROX	APPROXIMATE AS REQUIRED	ELEC EQ	ELECTRIC EQUAL
2	ABOVE SUSPENDED CEILING; ASPHALT SURFACE COURSE;	EQUIP	EQUIPMENT
	AMPS SHORT CIRCUIT ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS	EW	
SY	ASSEMBLY	EWC EWH	ELECTRIC WATER COOLER ELECTRIC WATER HEATER
)	ACOUSTICAL TILE CEILING	EXH	EXHAUST; EXHIBIT
M EN	AUTOMATIC TELLER MACHINE; ATMOSPHERE ATTENTION	EXIST	
TN TO	AUTOMATIC	EXP EXT	EXPAND; EXPANSION; EXPOSED EXTERIOR; EXTERNAL; EXTINGUISHER
3	AVERAGE		
		F FA	FRESH AIR; FACE AREA; FINAL ASSEMBLY; FIRE ALARM
L	BASE PLATE	FAAP	FIRE ALARM ANNUNCIATOR PANEL
	BATTEN; BATTERY BULLETIN BOARD; BASEBOARD	FC BRK	
	BOARD; BUTTERFLY DAMPER	FCU FD	FAN COIL UNIT FLOOR DRAIN
	BEVEL	FDTN	FOUNDATION
UM		FEC	FIRE EXTINGUISHER CABINET
)G	BASE LINE; BUILDING LINE BUILDING	FH FHC	FIRE HOSE; FIRE HYDRANT; FLAT HEAD; FLAT HEAD SCRE FIRE HOSE CABINET
HD	BULKHEAD	FIN	FINISH
	BEAM; BENCHMARK; BENDING MOMENT	FIN FLR	FINISH FLOOR
)G	BULLNOSE BONDING	FIN GR FLASH	FINISH GRADE FLASHING
5	BOTTOM OF STEEL	FLR	FILLER; FLOOR
	BOTTOM	FLUOR	FLUORESCENT
G	BRACING BEARING	FOM	
PL	BEARING PLATE	FS	FULL SCALE; FULL SIZE; FAR SIDE; FEDERAL SPECIFICATION
Т	BRACKET	FT	FEET; FIRE TREATED; FOOT; FULLY TEMPERED (GLASS)
۹T ک		FTD	FACIAL TISSUE DISPENSER
२	BUILT-UP ROOFING BOTH WAYS	FTG FURG	FOOTING FURRING
Μ	BEAM, STANDARD	FURN	FURNACE; FURNISH; FURNITURE
ЗM	BEAM, WIDE FLANGE	FUT	FUTURE
		G	
	CELSIUS; CHANNEL	G	GROUND; NATURAL GAS; GIRDER
DNC DC	CAST CONCRETE CENTER TO CENTER	GAL GALV	GALLON GALVANIC, GALVANIZED
	CAST IRON, CURB INLET	GB	GRAB BAR; GAS BIBB
		GFRC	GLASS-FIBER-REINFORCED CONCRETE
2	CAPACITY; CAPACITOR CARRIAGE BOLT; CATCH BASIN; CEMENT BASE; CERAMIC	GL GOVT	GLASS; GROUND LEVEL GOVERNMENT
_	BASE; CORNER BEAD	GSU	GLAZED STRUCTURAL UNIT
Л о		GYP	GYPSUM
R /CI	CERAMIC CONTRACTOR FURNISHED / CONTRACTOR INSTALLED	GYP BD	GYPSUM BOARD
N	CUBIC FEET PER MINUTE	н	
	CHILLER; COAT HOOK	HB	HOSE BIBB
BD FR	CHALKBOARD CHAMFER	HC	HANDICAP; HEATING COIL; HEAVY COMMERCIAL; HOLLOW CORE; HOSE CABINET
	CAST-IN-PLACE; CAST IRON PIPE	HCMU	HOLLOW CONCRETE MASONRY UNIT
	CONSTRUCTION JOINT; CONTROL JOINT	HCP	HANDICAPPED
DIFF	CEILING CEILING DIFFUSER	HD HDR	HAND DRYER; HEAVY DUTY
REG	CEILING DIFFUSER CEILING REGISTER	HDR HDW	HEADER HARDWARE
J	CALKED JOINT	HM	HOLLOW METAL
)	CLOSET		HOLLOW METAL DOOR; HUMIDITY
DS R	CLOSURE CLEAR; COLOR; COOLER	HMDF HMF	HOLLOW METAL DOOR AND FRAME HOLLOW METAL FRAME
`	CORRUGATED METAL PIPE	HNDRL	HANDRAIL
J	CONCRETE MASONRY UNIT	HORIZ	HORIZONTAL
	CASED OPENING; CERTIFICATE OF OCCUPANCY; CLEANOUT; COMPANY; CUTOUT; CARBON MONOXIDE	HOSP HP	HOSPITAL HORSEPOWER: HEAT PLIMP: HIGH PRESSURE
	COLUMN	HP HT	HORSEPOWER; HEAT PUMP; HIGH PRESSURE HEIGHT
-		•	
NC	CONCENTRIC; CONCRETE	HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
IL INC INN INSTR	CONCENTRIC; CONCRETE CONNECT CONSTRUCTION	HVAC HW	HEATING, VENTILATING, AND AIR CONDITIONING HOT WATER





	HWY	HIGHWAY	Р
	I		P PCC
VISE;	ID	IDENTIFICATION; INSIDE DIAMETER; INSIDE DIMENSION;	PCCP
	IFS	INTERIOR DESIGN INSIDE FACE OF STUD	PEJ PI
	INSP	INSPECT	PLAM
	INSTL	INSTALL	PLAS
	INSUL INSUL PNL	INSULATION INSULATED METAL PANEL	PLC
	INT	INTERIOR	PLYWD PNL
	INV	INVERT	PR
	IR	INSIDE RADIUS	PRCST
	ISO	INTERNATIONAL STANDARDS ORGANIZATION; ISOMETRIC	PRELIM PSF
	J		PSI
Έ ΞCT	J-BOX JAL	JUNCTION BOX JALOUSIE	PTD
201	JAN	JANITOR	PTDR PTN
	JAN CLO	JANITOR CLOSET	PW
	JR JS	JUNIOR JANITOR'S SINK	0
	00	JANITOK'S SINK	Q QT
	К		QTR
	KD KO	KILN DRIED; KNOCKED DOWN KNOCK OUT	QTY
	KPL	KICKPLATE	R
			R
	L	LITER; ANGLE	RA
	LAB	LABORATORY	RA GR RB
	LAD	LADDER	RC
	LAM LAV	LAMINATE LAVATORY	RD
	LAV	POUND	RECPT REF
	LCMU	LIGHTWEIGHT CONCRETE MASONRY UNIT	REINF
	LD BRG LDG	LOAD-BEARING LANDING	RESIL
	LH	LEFT HAND	REV RM
	LKR	LOCKER	RO
Λ	LLH LLV	LONG LEG HORIZONTAL LONG LEG VERTICAL	6
	LMST	LIMESTONE	S SAN
	LNDSCP	LANDSCAPE	SB
	LT LTD	LIGHT LIMITED	SC SCHED
	LTG	LIGHTING	SCR
CREWS	LVR		0051
	LWC	LIGHTWEIGHT CONCRETE	SCRN SD
	Μ		
	MACH	MACHINE	SECT SEP
	MAINT MATL	MAINTENANCE MATERIAL	SHT
	MAX	MAXIMUM	SHT MTL
ATION;	MC	MEDICINE CABINET; MANHOLE COMBER; MECHANICAL CONTRACTOR; METAL-CLAD; MOISTURE CONTENT; MOMENT	FLASH SHV
Anon,		CONNECTION	SIM
6)	MECH MEZZ		SND SPEC
	MFD	MEZZANINE MANUFACTURED	SPEC
	MFR	MANUFACTURER; MASS FLOW RATE	SQ
	MH MIN	MANHOLE MINIMUM; MINUTE	SS
	MISC	MISCELLANEOUS	STD
	MO	MASONRY OPENING; MOTOR OPERATED	STL JST
	MTL MTLD	METAL METAL DOOR	STL PL STOR
	MTLF	METAL FLASHING	STRUCT
	MTLR	METAL ROOF	SUSP
	MULL MULT	MULLION MULTIPLE	SYM SYS
	WOLT		
	N		T T
	N NA	NEWTON; NORTH NOT APPLICABLE	T&G
	NIC	NOISE ISOLATION CLASS; NOT IN CONTRACT	TAN
	NO		TB TEL
-OW	NS NTS	NARROW STILE; NEAR SIDE; NO SCALE NOT TO SCALE	TEMP
			ТНК
	O OA	OUTSIDE AIR; OVERALL	THRES TOB
	OC	ON CENTER	TOC
	OD	OUTSIDE DIAMETER; OUTSIDE DIMENSION	TOS
	OF OFF	OUTSIDE FACE OFFICE	TOW TYP
	OFF OH	OVERHANG	
	OH DR	OVERHEAD (COILING) DOOR	U
	OPH OPNG	OPPOSITE HAND OPENING	UN UNFIN
	OPNG	OPPOSITE	UNO
	OPR	OPERABLE	UR
	OR OVFL	OUTSIDE RADIUS OVERFLOW	V
	OVFL OZ	OUNCE	VCT
			VERT

POLE; PUMP PRECAST CONCRETE; PRECOOL COIL CONCRETE PAVEMENT PREMOLDED EXPANSION JOINT POINT OF INTERSECTION PLASTIC LAMINATE PLASTER; PLASTIC PLACE PLYWOOD PANEL PAIR; PIPE RAIL; PUMPED RETURN PRECAST PRELIMINARY POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH PAPER TOWEL DISPENSER; PRINTED PAPER TOWEL DISPENSER AND RECEPTACLE PARTITION PASS WINDOW QUARRY TILE QUARTER QUANTITY THERMAL RESISTANCE; RADIUS; RANGE; RISER **RETURN AIR RETURN AIR GRILLE** RESILIENT BASE; RUBBER BASE REINFORCED CONCRETE; REMOTE CONTROL REFRIGERANT DISCHARGE; ROAD; ROOF DRAIN RECEPTACLE REFERENCE; REFRIGERATOR REINFORCE RESILIENT **REVISION; REVOLUTIONS** ROOM ROUGH OPENING SANITARY SPLASH BLOCK SHADING COEFFICIENT; SOLID CORE SCHEDULE SEMICONDUCTOR CONTROLLED RECTIFIER; SHOWER CURTIN ROD SCREEN SHOP DRAWINGS; SMOKE DETECTOR; SOAP DISPENSER; STORM DRAIN; SUPPLY DUCT SECTION SEPEARATE SHAFT; SHEET SHEET METAL (FLASHING) SHELVING SIMILAR SANITARY NAPKIN DESPENSER SPECIFICATION SUPPORT SQUARE SANITARY SEWER; SERVICE SINK; STANDING SEAM (ROOF); STEAM SUPPLY; STORM SEWER STANDARD STEEL JOIST STEEL PLATE STORAGE STRUCTURAL SUSPEND SYMBOL SYSTEM TREAD TONGUE AND GROOVE TANGENT THROUGH BOLT; TOWEL BAR TELEPHONE TEMPORATURE; TEMPORARY THICKNESS THRESHOLD TOP OF BEAM TOP OF CURB; TOP OF CONCRETE; TABLE OF CONTENT TOP OF STEEL; TOP OF SLAB TOP OF WALL TYPICAL UNLESS NOTED UNFINISHED UNLESS NOTED OTHERWISE URINAL

VINYL COMPOSITION TILE; VITRIFIED CLAY TILE VENTILATION; VENTILATOR VERTICAL

City of
Tenery

Hanson No. 17L0017 1006				
Filename CITY OF KENEDY SPORTS COMPLEX				
Scale				
Date 8/06/19				
LAYOUT	AGP	8/06/19		
DRAWN	AGP	8/06/19		
REVIEWED	Checker	8/06/19		



Hanson Professional Services Inc. 4501 Gollihar Rd. Corpus Chrisiti, Texas 78411

"The Junction Where Good Friends Meet"

VEST VS VTR VWC VWF	VESTIBULE VENT STACK; VOLTMETER SWITCH VENT THROUGH ROOF VINYL WALL COVERING VINYL WALL FABRIC
W	
W	WASTE; WATT; WEST; WIDE
W/	WITH
W/O	WITHOUT
WC	WALL COVERING; WATER CLOSET; WATER COLUMN
WD	WOOD, WOOD DOOR
WDW	WINDOW
WGL	WIRED GLASS
WP	WATER PUMP; WATERPROOFING; WEATHERPROOF; WORKING POINT
WSCT	WAINSCOT
WTR	WATER
WWF	WELDED WIRE FABRIC
х	
X BRACE	CROSS BRACE
X SECT	CROSS SECTION
XBRA	CROSSBRACING
XFER	TRANSFER
XPS	EXTRUDED POLYSTYRENE BOARD (INSULATION)

TBPE F-417 TBPLS F-10039500 TBPG F-50556 TBAE F-BR 2458

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SYMBOLS AND ABBREVIATIONS CONSTRUCTION DRAWINGS FOR

LARRY KIESLING YOUTH SPORTS COMPLEX

CITY OF KENEDY

A-002

ARCHITECTURAL GENERAL NOTES:

A. IT IS THE INTENT OF THE ARCHITECT THAT THE SIGNED AND SEALED DRAWINGS AND SPECIFICATIONS PRODUCED AND DISTRIBUTED FOR THE PURPOSE OF BIDDING AND CONSTRUCTING THE PROJECT HEREIN, SHALL BE CROSS-REFERENCED WITH THE DRAWINGS INCLUDED AND PRODUCED BY OTHER DISCIPLINES TO OBTAIN THE INFORMATION NECESSARY TO CONSTRUCT THIS PROJECT IN AN ORDERLY AND TIME EFFICIENT MANNER.

A.A. SUBSEQUENT SIGNED AND SEALED DRAWINGS OR WRITTEN DOCUMENTS CREATED BY THE ARCHITECT IN RESPONSE TO A CHANGE IN THE SCOPE OF WORK, PROJECT ADDENDA, A REQUEST FOR INFORMATION (RFI's), ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS (ASI's), CHANGE ORDERS, OR ANY OTHER REASON(S) THAT MAY REQUIRE GRAPHIC CLARIFICATION OR GUIDANCE AT ANY STAGE OF THE PROJECT, SHALL ALSO BE REFERENCED.

B. DAMAGE DONE TO ANY SURROUNDING [HORIZONTAL AND/OR VERTICAL] SURFACE(S) IN THE AREAS LEADING TO AND IN THE IMMEDIATE VICINITY OF THE AREA OF WORK SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. THIS INCLUDES, BUT IS NOT LIMITED TO, OVERHEAD OR UNDERGROUND UTILITIES, IRRIGATION SYSTEMS, LANDSCAPING, LANDSCAPING FEATURES, BUILDING SURFACES, PAVED SURFACES, OR ANY OTHER ITEMS THAT PERTAIN TO THE NORMAL APPEARANCE OR OPERATIONS OF THE PROJECT LOCATION PRIOR TO THE COMMENCEMENT OF WORK.

C. ALL EXTERIOR AND INTERIOR DIMENSIONS ARE:

C.A. FACE OF STUD TO FACE OF STUD

- C.B. FACE OF CONCRETE TO FACE OF STUD
- C.C. FACE OF EXISTING FINISH TO FACE OF STUD C.D. STRUCTURAL GRID TO FACE OF STUD
- C.E. FACE OF MASONRY TO FACE OF STUD
- C.F. OR AS NOTED OTHERWISE ON THE DRAWING

C. ADJUSTMENTS FOR FIT AND COORDINATION DURING THE CONSTRUCTION PHASE OF THE PROJECT SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER. NOTIFY THE PROJECT'S PRIMARY CONTACT (OR OTHER DESIGNATED PARTY), OF ANY DISCREPANCIES PRIOR TO COMMENCEMENT.

D. THE CONTRACTOR SHALL COORDINATE THE FOLLOWING ITEMS WITH THE OWNER, OR THE OWNER'S REPRESENTATIVE, IF APPLICABLE TO THIS PROJECT: (1) JOBSITE ACCESS, UTILITIES ACCESS, (2) THE LOCATION OF THE JOB SHACK,(3) MATERIALS STAGING AND WASTE COLLECTION AREAS, (4) THE HOURS OF CONSTRUCTION (WEEKDAY, WEEKEND OR EVENING HOURS), (5) ANY SECURITY REQUIREMENTS, AND (6) ANY OTHER ISSUES NOT LISTED HEREIN THAT COULD AFFECT ACCESS AND/OR THE CONSTRUCTION PROCESS.

E. PRIOR TO LEAVING EVERY NIGHT AND AT THE COMPLETION OF OF THE PROJECT, THE CONTRACTOR SHALL LEAVE THE JOBSITE CLEAN A FREE OF CONSTRUCTION DEBRIS.

F. THE CONTRACTOR SHALL ABIDE BY THE MOST CURRENT BUILDING AND ENERGY CODES (INTERNATIONAL BUILDING CODES, N.E.C., N.F.P.A., ETC.) ADOPTED AND ENFORCED BY THE MUNICIPALITY IN WHICH THE PROJECT IS TO BE CONSTRUCTED, AND/OR

G. (IF A GOVERNMENT PROJECT) THE REGULATIONS SET FORTH BY THE FEDERAL GOVERNMENT IN THE LOCATION WHICH THE PROJECT IS TO BE CONSTRUCTED

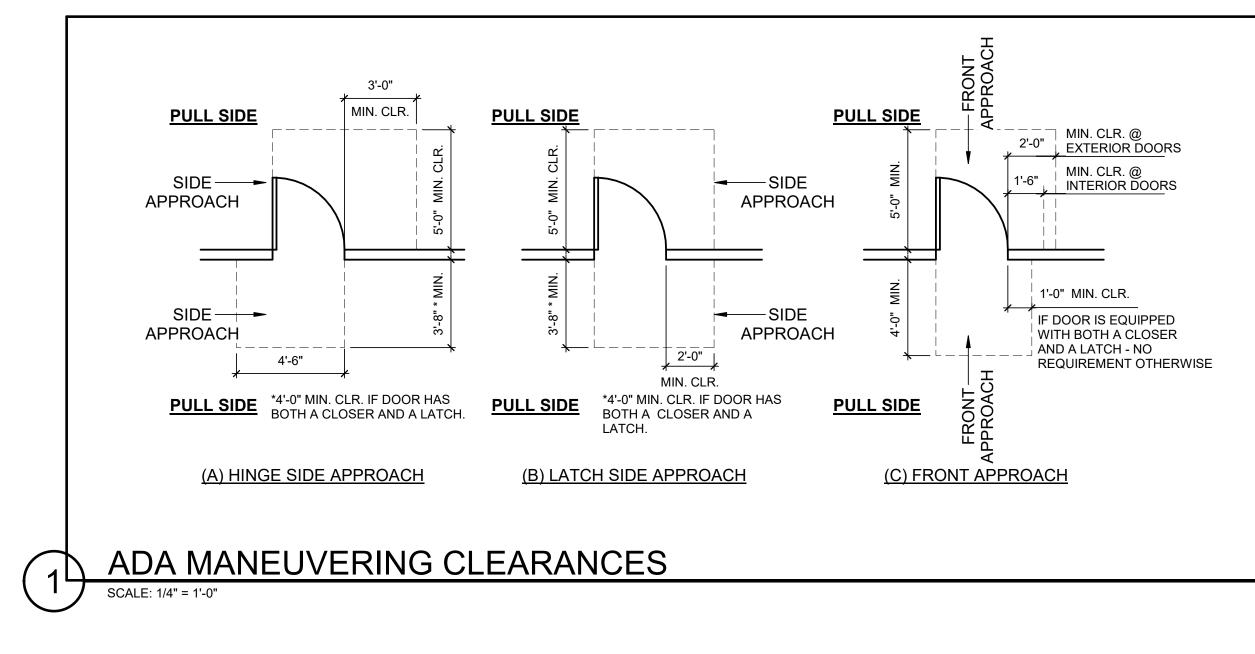
H. THE CONTRACTOR SHALL ABIDE BY THE MOST CURRENT VERSION OF THE TEXAS ACCESSIBILITY STANDARDS (T.A.S.), OR

I. (IF A GOVERNMENT PROJECT) THE MOST CURRENT VERSION OF THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG).

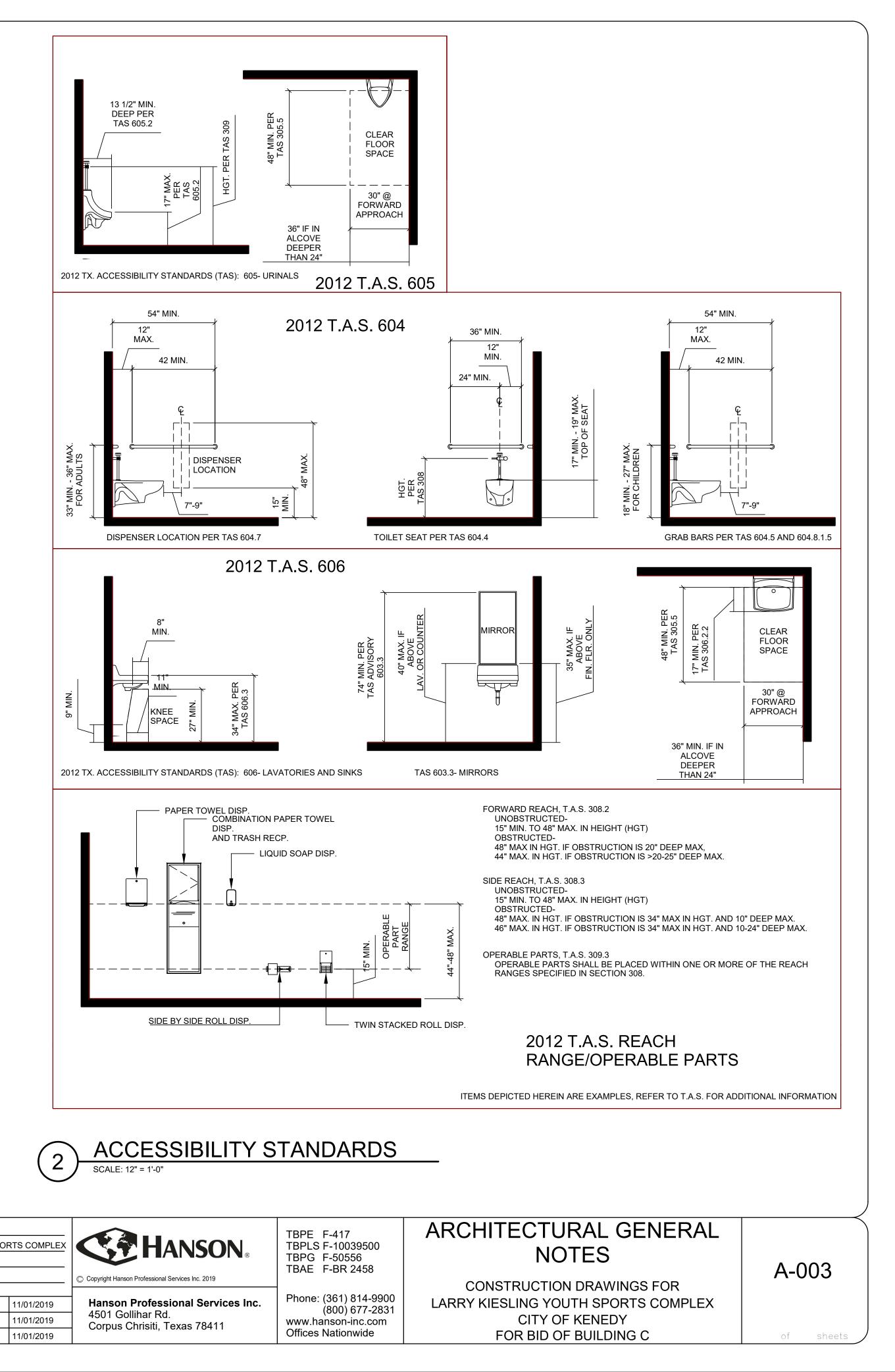
J. THE CONTRACTOR SHALL OBSERVE ALL CURRENT O.S.H.A. REGULATIONS AT THE JOBSITE DURING THE COURSE OF CONSTRUCTION.

K. THE CONTRACTOR SHALL OBTAIN ALL THE REQUIRED INSPECTIONS DURING THE COURSE OF THE WORK.

L. WARRANTIES FOR ALL CONSTRUCTION PRODUCTS SHALL BE THE MANUFACTURER'S STANDARD WARRANTY UNLESS STATED OTHERWISE IN THE SPECIFICATIONS, DRAWINGS, OR SUBSEQUENT DOCUMENTATION (SEE NOTE A: A.A).



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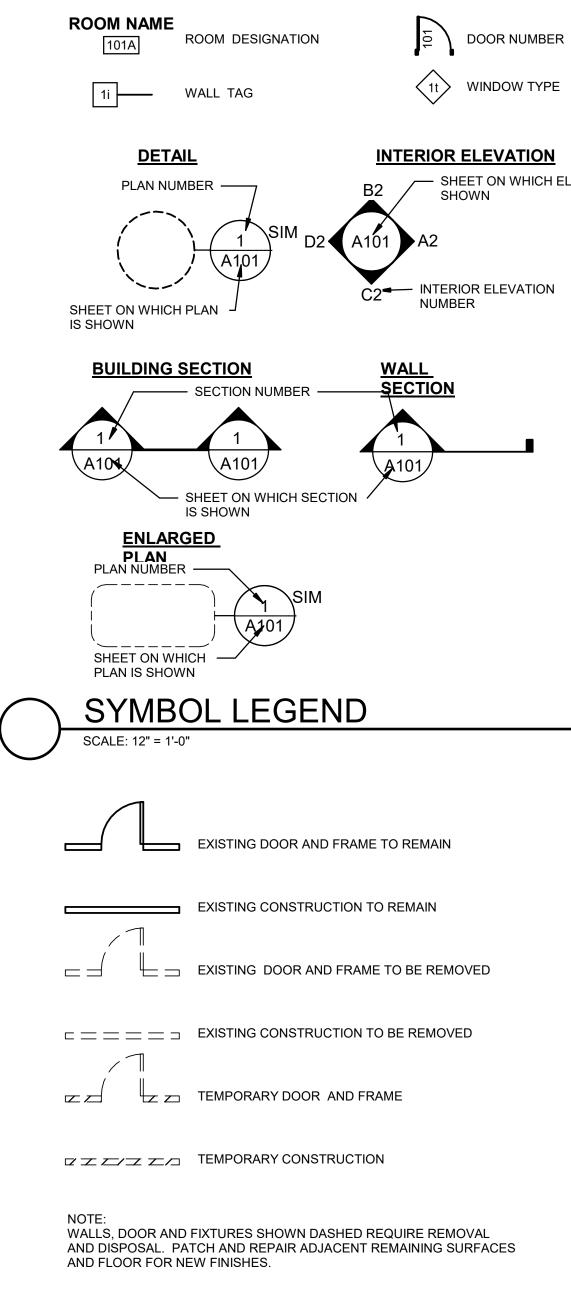


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Hanson No. 17L0017 1006					
Filename CITY OF KENEDY SPORTS COMPLEX					
Scale 12" = 1'-0"					
Date 8/06/19					

LAYOUT	AGP	8/06/19
DRAWN	AGP	8/06/19
REVIEWED	Checker	8/06/19



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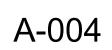
MATERIAL	SYMBOL
EARTHWORK, COMPACT FILL	
STONE, RUBBLE	
CONCRETE	
BRICK, COMMONFACE	
CONCRETE MASONRY UNITS	
	111111111111
INSULATION, LOOSE FILL OR BLANKET	
STEEL	
WOOD BLOCKING OR SHIM	
WOOD FRAMING, CONTINOUS	\searrow
GROUT	
PLYWOOD	
STONE, CUT	

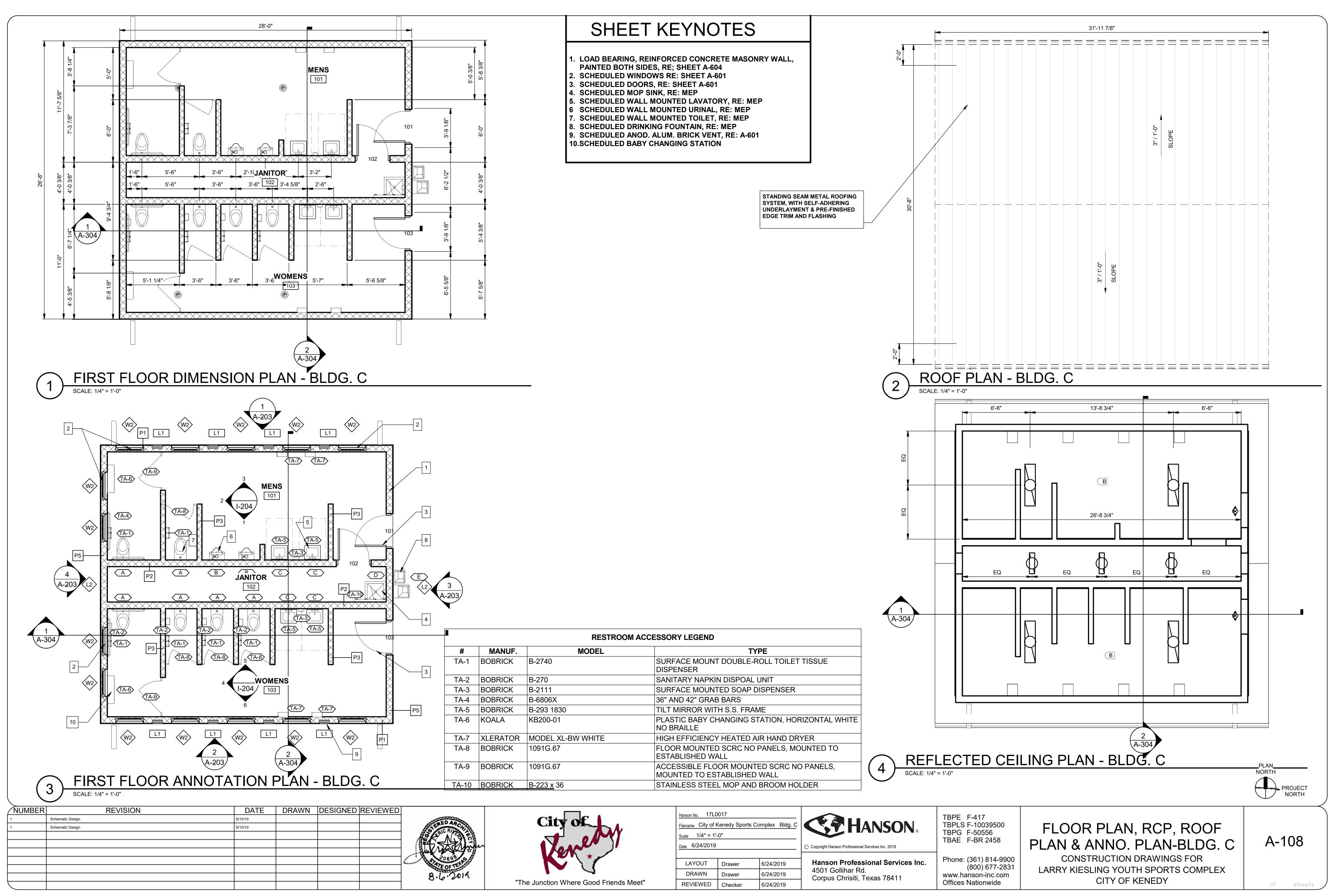


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ARCHITECTURAL GENERAL NOTES AND SYMBOLS

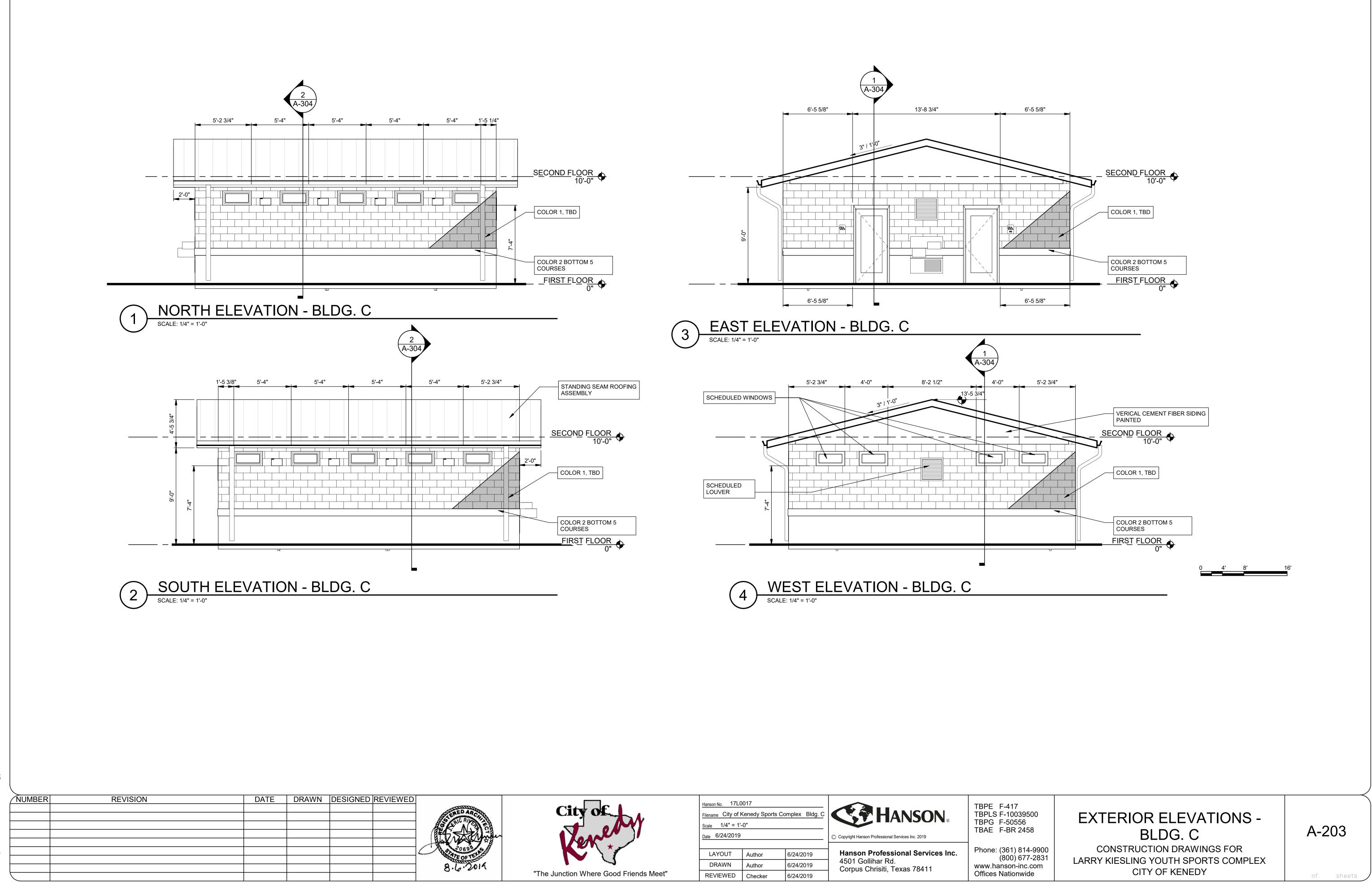
CONSTRUCTION DRAWINGS FOR LARRY KIESLING YOUTH SPORTS COMPLEX CITY OF KENEDY





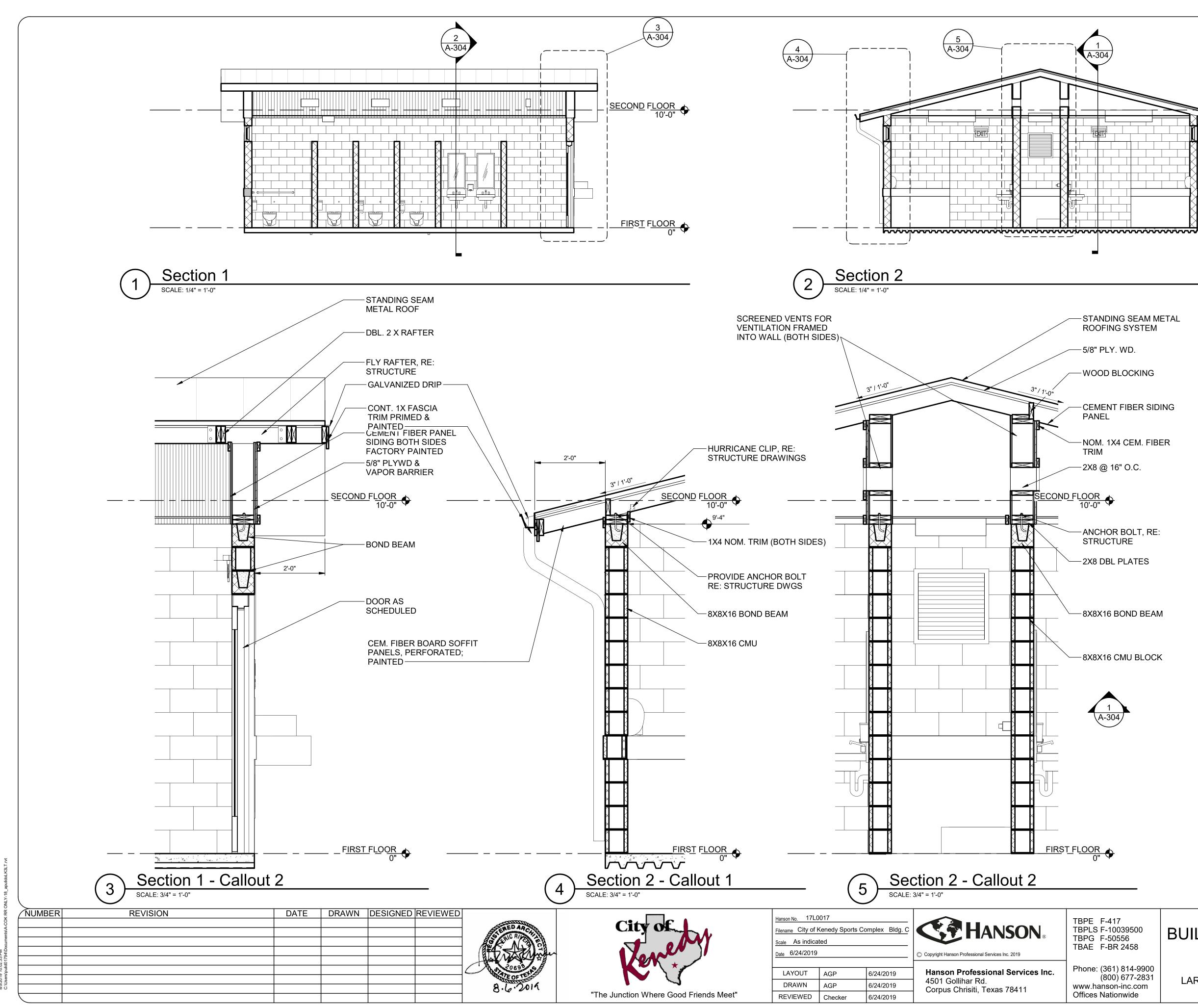
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Hanson No. 17L0	017		
Filename City of k	Kenedy Sports Co	omplex Bldg. C	
<u>Scale 1/4" = 1'-</u>	0"		
_{Date} 6/24/2019			C
LAYOUT	Drawer	6/24/2019	
DRAWN	Drawer	6/24/2019	
REVIEWED	Checker	6/24/2019	



"The Junction Where Good Friends	Meet"
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Hanson No. 17L0	017		
Filename City of k	Kenedy Sports Co	omplex Bldg. C	(
<u>Scale 1/4" = 1'-</u>	0"		
_{Date} 6/24/2019			(
LAYOUT	Author	6/24/2019	
DRAWN	Author	6/24/2019	





SECOND FLOOR 10'-0"

-STANDING SEAM METAL

-CEMENT FIBER SIDING

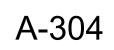
-NOM. 1X4 CEM. FIBER

-8X8X16 BOND BEAM

-8X8X16 CMU BLOCK

BUILDING & WALL SECTIONS -BLDG. C CONSTRUCTION DRAWINGS FOR LARRY KIESLING YOUTH SPORTS COMPLEX

CITY OF KENEDY



						1		D											
_	LOCA	M		SIZE			DETAIL				DOOR			FRAME					
	ROOM	NO.	WIDTH	HEIGH		HEAD	JAMB	THRESHOLD	TYPE	HARDWARE GROUP	MATERIAL	FINISU	гтрЕ	MATERIAL	FINISH	LABEL	REMARKS		
101 102A	Stairway Dining	101	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	1/A-602	2/A-602	3/A-602	3 4	H-01 H-01	H.M. INSUL	FACTORY PRIME/PAINT	A A	METAL METAL	FACTORY PRIME FACTORY PRIME			-	
102B 103	Dining Womens	102 103	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	1/A-602 1/A-602	2/A-602 2/A-602		4	H 04	H.M. INSUL. H.M. INSUL.	FACTORY PRIME/PAINT FACTORY PRIME/PAINT	A	METAL METAL	FACTORY PRIME FACTORY PRIME		FROSTED GLASS	-	
104	Mens	104	3'-0"	7'-0"	1 3/4"	1/A-602	2/A-602			4.04	H.M. INSUL.	FACTORY PRIME/PAINT	A	METAL	FACTORY PRIME		FROSTED GLASS		T 11
105 106	Janitor 2 Chase	105 106	3'-0" 2'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	1/A-602 1/A-602	2/A-602		2	H-03	H.M. INSUL.	FACTORY PRIME/PAINT FACTORY PRIME/PAINT	A A	METAL METAL	FACTORY PRIME FACTORY PRIME		18"h x 12"w LOUVER		T U
08 9A	Field Storage Concession	108 110	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4"	1/A-602	2/A-602 2/A-602		1 N/A	H-03 N/A	H.M. INSUL.	COPY PRIME/PAINT	A	METAL METAL	FACTORY PRIME FACTORY PRIME			_	
09B	Concession Storage	109	3'-0"		1 3/4"	1/A-602	2/A-602		1	H-02	H.M. INSUL.			METAL	FACTORY PRIME			_	
110 111A	Concession Kitchen	110	J '-0''	7'-0"	1 3/4" 0"	1/A-602 1/A-602	2/A-602 2/A-602		N/A	H-01 N/A	H.M. INSUL. N/A	FACTORY PRIME/PAINT	A	METAL	FACTORY PRIME			_	
111B 1110		111	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 0"	1/A-602 1/A-602	2/A-602 2/A-602		1 N/A	H-02 N/A	H.M. INSUL.	FACTORY PRIME/PAINT N/A	A	METAL METAL	FACTORY PRIME			-	
	Elev. Rm	112	3'-0"	7'-0"	1 3/4"	1/A-602	2/A-602		2	H-05	H.M. INSUL.	FACTORY PRIME/PAINT	A	METAL	FACTORY PRIME		18"h x 12 w 🕞		
													SCHEDULL -						
pe Mark	Count					Family and ⁻	Туре				Width Heig		i	r Height	Louver Widtr			Type Com	ments (
- I							51					<u> </u>							
4		ndow-Gliding-Ar						_	Deeb	3'-	11 1/2" 3'-11 1					Anderser	n Corporation		dow
2 7 3 2	VVII	ndow-Fixed-And				dersen-100_\$ equal: Windo		dersen-100_Se	eries Three S			8'-8"				Anderser		Fibrex fixed win Fibrex gliding w	
	Wi					-				ash_Unequal 8040 7'-		1/2" 0-11-1/2					•	Fibrex gliding w	
								D	OOR SCHEDULE	- BLDG. B									
	LOCATION		SIZE			DETAIL				DOOR		FRAME							
	FROM											TYPE MATERIA					/ 0		
		O. WIDTH 00 4'-0"	HEIGHT 4'-0"	2"	4/A-000	JAMB	THRESHOLD	6 TYPE H	HARDWARE GRO H-06	H.M. INSUL.	FINISH PRIME PAINT		FACTORY PRIME	LABE NA		REMARK			
		00 4'-0" 00 3'-0"	<u>4'-0"</u> 7'-0"	2" 1 3/4"	4/A-603 1/A-602	4/A-005 2/A-602	3/A=002	6	H-06 H-01	H.M. INSUL.		A METAL	FACTORY PRIME FACTORY PRIME	NA					
		00 <u>3'-0"</u> 01 <u>3'-0"</u>	7'-0" 7'-0"	1 3/4" 1 3/4"	1/A-602 1/A-602	2/A-602 2/A-602	3/A-602	5	H-01	AC	ORY PRIME/PAINT	A METAL A METAL	FACTORY PRIME FACTORY PRIME						
102 103		02 3'-0" 03 3'-0"	7'-0"	1 3/4" 1 3/4"	1/A-602 1/A-602	2/A-602 2/A-602		2	H-04			A METAL A METAL	FACTORY PRIME FACTORY PRIME			18"h x 12"w LOL	UVER	NIOT	
				•									• •					NOT	03
e Mark Co	ount					Family and T		VVINDOVV/L		DULE - BLDG. B	Width Height	Sill Height Bird Scre			Comments				
						Family and T	уре								Comments				
10							3V100,Extrudeo	d Aluminum Brick	k Vents,Face Ba	ased,Revit 16 V0	1'-4" 8"	Yes							
		Xeo-Anoersen- Iu	U Series. Wil	ndow-Fixed-An	dersen-100_3	Series					2'-8" 1'-4" 6	0-0							
2	window-Fi		_																
12			_																
2			_				A-	-SH-DOOR SCHEDUL											
	LOCATION		SIZE			DETAIL	A-	-SH-DOOR SCHEDUL	LE - BLDG. C DOOR		FR	RAME							
	LOCATION		_	PANEL	HEAD				DOOR	ERIAL FINISH		RAME TERIAL FINISH	LABEL	REMAR	RKS				
DOOR NO. 101	LOCATION FROM ROOM MENS	NO. WIDTH 101 3'-0"	SIZE HEIGHT 7'-0"	1 3/4"	1/A-602	JAMB THF 2/A-602	RESHOLD T 3/A-602	TYPE HARDWA	DOOR RE GROUP MAT	INSUL. FACTORY PRIME/PAINT	TYPE MAT	FINISH IETAL FACTORY PRIME	LABEL	FROSTED	GLASS				
	LOCATION FROM ROOM	NO. WIDTH	SIZE		1/A-602 1/A-602	JAMB THF 2/A-602 2/A-602	RESHOLD T	TYPE HARDWAR 5 H- 2 H-	DOOR RE GROUP MA1 1-04 H.M. 1-03 H.M.	INSUL. FACTORY PRIME/PAINT	TYPE MAT A M A M	TERIAL FINISH	LABEL		GLASS LOUVER				
101 102	LOCATION FROM ROOM MENS JANITOR	NO. WIDTH 101 3'-0" 102 3'-0"	SIZE HEIGHT 7'-0" 7'-0"	1 3/4" 1 3/4"	1/A-602 1/A-602	JAMB THF 2/A-602 2/A-602	RESHOLD T 3/A-602 3/A-602 3/A-602 3/A-602	TYPE HARDWAR 5 H- 2 H- 5 H-	DOOR RE GROUP MA1 1-04 H.M. 1-03 H.M. 1-04 H.M.	INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT	TYPE MAT A M A M	FINISH IETAL FACTORY PRIME IETAL FACTORY PRIME	LABEL	FROSTED (18"h x 12"w L	GLASS LOUVER				
101 102 103	LOCATION FROM ROOM MENS JANITOR WOMENS	NO. WIDTH 101 3'-0" 102 3'-0"	SIZE HEIGHT 7'-0" 7'-0"	1 3/4" 1 3/4"	1/A-602 1/A-602 1/A-602	JAMB THF 2/A-602 2/A-602 2/A-602	RESHOLD T 3/A-602 3/A-602 3/A-602 3/A-602	TYPE HARDWAR 5 H- 2 H-	DOOR RE GROUP MA1 1-04 H.M. 1-03 H.M. 1-04 H.M.	INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT	TYPE MAT A M A M A M	FINISH IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL FACTORY PRIME		FROSTED (18"h x 12"w L FROSTED (GLASS LOUVER			H-01	
101 102 103	LOCATION FROM ROOM MENS JANITOR	NO. WIDTH 101 3'-0" 102 3'-0"	SIZE HEIGHT 7'-0" 7'-0"	1 3/4" 1 3/4"	1/A-602 1/A-602 1/A-602	JAMB THF 2/A-602 2/A-602	RESHOLD T 3/A-602 3/A-602 3/A-602 3/A-602	TYPE HARDWAR 5 H- 2 H- 5 H-	DOOR RE GROUP MA1 1-04 H.M. 1-03 H.M. 1-04 H.M.	INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT	TYPE MAT A M A M A M	FINISH IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL FACTORY PRIME	LABEL	FROSTED (18"h x 12"w L FROSTED (GLASS LOUVER			H-01 HINGES RIM EXIT DEVICE	– 5 KI – VOI
101 102 103	LOCATION FROM MENS JANITOR WOMENS Count 2 Louvers v	NO. WIDTH 101 3'-0" 102 3'-0" 103 3'-0" vith Trim: 24" x 24"	SIZE HEIGHT 7'-0" 7'-0"	1 3/4" 1 3/4" 1 3/4"	1/A-602 1/A-602 1/A-602 Family a	JAMB THF 2/A-602 2/A-602 2/A-602	RESHOLD T 3/A-602 3/A-602 3/A-602 3/A-602	TYPE HARDWAR 5 H- 2 H- 5 H-	DOOR RE GROUP MA1 1-04 H.M. 1-03 H.M. 1-04 H.M.	INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT C Width Height Sill 2'-0" 2'-0" 6'-8"	TYPE MAT A M A M A M Height Bird Screet	FINISH IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL FACTORY PRIME		FROSTED (18"h x 12"w L FROSTED (GLASS LOUVER			RIM EXIT DEVICE	– PUS
101 102 103	LOCATION FROM MENS JANITOR WOMENS Count 2 Louvers v	NO. WIDTH 101 3'-0" 102 3'-0" 103 3'-0"	SIZE HEIGHT 7'-0" 7'-0"	1 3/4" 1 3/4" 1 3/4" ow-Fixed-Ande	1/A-602 1/A-602 1/A-602 Family a	JAMB THF 2/A-602 2/A-602 2/A-602 2/A-602 2/A-602 2/A-602	RESHOLD T 3/A-602 3/A-602 3/A-602 3/A-602	TYPE HARDWAR 5 H- 2 H- 5 H-	DOOR RE GROUP MA1 1-04 H.M. 1-03 H.M. 1-04 H.M.	INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT	TYPE MAT A M A M A M Height Bird Screet	FINISH IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL FACTORY PRIME		FROSTED (18"h x 12"w L FROSTED (GLASS LOUVER			RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP	– 5 KI – VOI – PUS – PLA PING – HAQ – HAQ
101 102 103	LOCATION FROM MENS JANITOR WOMENS Count 2 Louvers v	NO. WIDTH 101 3'-0" 102 3'-0" 103 3'-0" vith Trim: 24" x 24"	SIZE HEIGHT 7'-0" 7'-0"	1 3/4" 1 3/4" 1 3/4"	1/A-602 1/A-602 1/A-602 Family a	JAMB THF 2/A-602 2/A-602 2/A-602 2/A-602 2/A-602 2/A-602	RESHOLD T 3/A-602 3/A-602 3/A-602 3/A-602	TYPE HARDWAR 5 H- 2 H- 5 H-	DOOR RE GROUP MA1 1-04 H.M. 1-03 H.M. 1-04 H.M.	INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT C Width Height Sill 2'-0" 2'-0" 6'-8"	TYPE MAT A M A M A M Height Bird Screet	FINISH IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL FACTORY PRIME		FROSTED (18"h x 12"w L FROSTED (GLASS LOUVER			RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP	–PLA
101 102 103	LOCATION FROM MENS JANITOR WOMENS Count 2 Louvers v	NO. WIDTH 101 3'-0" 102 3'-0" 103 3'-0" vith Trim: 24" x 24"	SIZE HEIGHT 7'-0" 7'-0"	1 3/4" 1 3/4" 1 3/4" ow-Fixed-Ande	1/A-602 1/A-602 1/A-602 Family a	JAMB THF 2/A-602 2/A-602 2/A-602 2/A-602 2/A-602 2/A-602	RESHOLD T 3/A-602 3/A-602 3/A-602 3/A-602	TYPE HARDWAR 5 H- 2 H- 5 H-	DOOR RE GROUP MA1 1-04 H.M. 1-03 H.M. 1-04 H.M.	INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT C Vidth Height Sill 2'-0" 2'-0" 6'-8" 2'-8" 1'-4" 6'-8"	TYPE MAT A M A M A M Height Bird Screet	FINISH IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL FACTORY PRIME		FROSTED (18"h x 12"w L FROSTED (GLASS LOUVER	1'-0"	4'-0" 1'-0'	RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP HINGES	-PLA PING - HAC - HAC - 5 KI
101 102 103	LOCATION FROM MENS JANITOR WOMENS Count 2 Louvers v	NO. WIDTH 101 3'-0" 102 3'-0" 103 3'-0" vith Trim: 24" x 24"	SIZE HEIGHT 7'-0" 7'-0"	1 3/4" 1 3/4" 1 3/4" ow-Fixed-Ande	1/A-602 1/A-602 1/A-602 Family a	JAMB THF 2/A-602 2/A-602 2/A-602 2/A-602 2/A-602 2/A-602	RESHOLD T 3/A-602 3/A-602 3/A-602 3/A-602	TYPE HARDWAR 5 H- 2 H- 5 H-	DOOR RE GROUP MA1 1-04 H.M. 1-03 H.M. 1-04 H.M.	INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT C Width Height Sill 2'-0" 2'-0" 6'-8"	TYPE MAT A M A M A M Height Bird Screet	FINISH IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL FACTORY PRIME		FROSTED (18"h x 12"w L FROSTED (GLASS LOUVER	1'-0"	4'-0" 1'-0'	RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP <u>H-02</u> HINGES RIM EXIT DEVICE CLOSER	PLA PING HAG HAG 5 KI VOI PUS
DOOR NO. 101 102 103	LOCATION FROM MENS JANITOR WOMENS Count 2 Louvers v	NO. WIDTH 101 3'-0" 102 3'-0" 103 3'-0" vith Trim: 24" x 24"	SIZE HEIGHT 7'-0" 7'-0"	1 3/4" 1 3/4" 1 3/4" ow-Fixed-Ande	1/A-602 1/A-602 1/A-602 Family a	JAMB THF 2/A-602 2/A-602 2/A-602 2/A-602 2/A-602 2/A-602	RESHOLD T 3/A-602 3/A-602 3/A-602 3/A-602	TYPE HARDWAR 5 H- 2 H- 5 H-	DOOR RE GROUP MA1 1-04 H.M. 1-03 H.M. 1-04 H.M.	INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT C Vidth Height Sill 2'-0" 2'-0" 6'-8" 2'-8" 1'-4" 6'-8"	TYPE MAT A M A M A M Height Bird Screet	FINISH IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL FACTORY PRIME		FROSTED (18"h x 12"w L FROSTED (GLASS LOUVER	1'-0"	4'-0"1'-0'	RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP HINGES RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP	-PLA PING - HAG - HAG - 5 KI - 5 VO - PUS
DOOR NO. 101 102 103	LOCATION FROM MENS JANITOR WOMENS Count 2 Louvers v	NO. WIDTH 101 3'-0" 102 3'-0" 103 3'-0" vith Trim: 24" x 24"	SIZE HEIGHT 7'-0" 7'-0"	1 3/4" 1 3/4" 1 3/4" ow-Fixed-Ande	1/A-602 1/A-602 1/A-602 Family a	JAMB THF 2/A-602 2/A-602 2/A-602 2/A-602 2/A-602 2/A-602	RESHOLD T 3/A-602 3/A-602 3/A-602 3/A-602	TYPE HARDWAR 5 H- 2 H- 5 H-	DOOR RE GROUP MA1 1-04 H.M. 1-03 H.M. 1-04 H.M.	INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT C Vidth Height Sill 2'-0" 2'-0" 6'-8" 2'-8" 1'-4" 6'-8"	TYPE MAT A M A M A M Height Bird Screet	FINISH IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL FACTORY PRIME		FROSTED (18"h x 12"w L FROSTED (GLASS LOUVER	1'-0"		RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP HINGES RIM EXIT DEVICE CLOSER KICK PLATE	-PLA PING - HAC - 5 Ki - VOI - PUS -PLA PING - HAC - HAC
DOOR NO. 101 102 103 /pe Mark	LOCATION FROM MENS JANITOR WOMENS Count 2 Louvers v 14 Window-F	NO. WIDTH 101 3'-0" 102 3'-0" 103 3'-0" vith Trim: 24" x 24"	SIZE HEIGHT 7'-0" 7'-0"	1 3/4" 1 3/4" 1 3/4" ow-Fixed-Ande	1/A-602 1/A-602 1/A-602 Family a	JAMB THF 2/A-602 2/A-602 2/A-602 2/A-602 2/A-602 2/A-602	RESHOLD T 3/A-602 3/A-602 3/A-602 3/A-602 WINDOV	TYPE HARDWAR 5 H- 2 H- 5 H-	DOOR RE GROUP MA1 1-04 H.M. 1-03 H.M. 1-04 H.M.	INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT C Vidth Height Sill 2'-0" 2'-0" 6'-8" 2'-8" 1'-4" 6'-8"	TYPE MAT A M A M A M Height Bird Screet	FINISH IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL FACTORY PRIME		FROSTED (18"h x 12"w L FROSTED (GLASS LOUVER	1'-0"		RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP HINGES RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP KICK DOWN DOC	-PLA PING - HAG - 5 KI - VOI - PUS -PLA PING - HAG - HAG OR STOP - HAG
101 102 103	LOCATION FROM MENS JANITOR WOMENS Count 2 Louvers v 14 Window-F	NO. WIDTH 101 3'-0" 102 3'-0" 103 3'-0"	SIZE HEIGHT 7'-0" 7'-0"	1 3/4" 1 3/4" 1 3/4" ow-Fixed-Ande	1/A-602 1/A-602 1/A-602 Family a	JAMB THF 2/A-602 2/A-602 2/A-602 2/A-602 and Type 2/A-602	RESHOLD T 3/A-602 3/A-602 3/A-602 3/A-602 WINDOV	TYPE HARDWAR 5 H- 2 H- 5 H-	DOOR RE GROUP MA1 1-04 H.M. 1-03 H.M. 1-04 H.M.	INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT C Vidth Height Sill 2'-0" 2'-0" 6'-8" 2'-8" 1'-4" 6'-8"	TYPE MAT A M A M A M Height Bird Screet	FINISH IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL FACTORY PRIME		FROSTED (18"h x 12"w L FROSTED (GLASS LOUVER			RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP HINGES RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP KICK DOWN DOC H-03 HINGES LOCKSET	-PLA PING - HAC - 5 KI - VOI - PUS -PLA PING - HAC - HAC OR STOP - HAC
DOOR NO. 101 102 103 ype Mark	LOCATION FROM MENS JANITOR WOMENS Count 2 Louvers v 14 Window-F	NO. WIDTH 101 3'-0" 102 3'-0" 103 3'-0" vith Trim: 24" x 24"	SIZE HEIGHT 7'-0" 7'-0"	1 3/4" 1 3/4" 1 3/4" ow-Fixed-Ande	1/A-602 1/A-602 1/A-602 Family a	JAMB THF 2/A-602 2/A-602 2/A-602 2/A-602 and Type 2/A-602	RESHOLD T 3/A-602 3/A-602 3/A-602 3/A-602 WINDOV	TYPE HARDWAR 5 H- 2 H- 5 H-	DOOR RE GROUP MA1 1-04 H.M. 1-03 H.M. 1-04 H.M.	INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT C Vidth Height Sill 2'-0" 2'-0" 6'-8" 2'-8" 1'-4" 6'-8"	TYPE MAT A M A M A M Height Bird Screet	FINISH IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL FACTORY PRIME		FROSTED (18"h x 12"w L FROSTED (GLASS LOUVER GLASS 3'-0" 6" 			RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP HINGES RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP KICK DOWN DOC H-03 HINGES	-PLA PING - HAG - 5 KI - VOI - PUS -PLA PING - HAG - HAG OR STOP - HAG
DOOR NO. 101 102 103 /pe Mark	LOCATION FROM MENS JANITOR WOMENS Count 2 Louvers v 14 Window-F	NO. WIDTH 101 3'-0" 102 3'-0" 103 3'-0"	SIZE HEIGHT 7'-0" 7'-0"	1 3/4" 1 3/4" 1 3/4" ow-Fixed-Ande	1/A-602 1/A-602 1/A-602 Family a	JAMB THF 2/A-602 2/A-602 2/A-602 2/A-602 and Type 2/A-602	RESHOLD T 3/A-602 3/A-602 3/A-602 3/A-602 WINDOV	TYPE HARDWAR 5 H-1 2 H-1 5 H-1 W/LOUVER SCHE	DOOR RE GROUP MA1 1-04 H.M. 1-03 H.M. 1-04 H.M.	INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT C Vidth Height Sill 2'-0" 2'-0" 6'-8" 2'-8" 1'-4" 6'-8"	TYPE MAT A M A M A M Height Bird Screet	FINISH IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL FACTORY PRIME		FROSTED (18"h x 12"w L FROSTED (GLASS LOUVER GLASS 3'-0" 6" 			RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP HINGES RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP KICK DOWN DOC H-03 HINGES LOCKSET WEATHER STRIP DOOR SWEEP	PLA PLA HA HA
000R NO. 101 102 103 /pe Mark	LOCATION FROM MENS JANITOR WOMENS Count 2 Louvers v 14 Window-F	NO. WIDTH 101 3'-0" 102 3'-0" 103 3'-0"	SIZE HEIGHT 7'-0" 7'-0"	1 3/4" 1 3/4" 1 3/4" ow-Fixed-Ande	1/A-602 1/A-602 1/A-602 Family a	JAMB THF 2/A-602 2/A-602 2/A-602 2/A-602 and Type 2/A-602	RESHOLD T 3/A-602 3/A-602 3/A-602 3/A-602 WINDOV	TYPE HARDWAR 5 H-1 2 H-1 5 H-1 W/LOUVER SCHE	DOOR RE GROUP MA1 1-04 H.M. 1-03 H.M. 1-04 H.M.	INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT C Vidth Height Sill 2'-0" 2'-0" 6'-8" 2'-8" 1'-4" 6'-8"	TYPE MAT A M A M A M Height Bird Screet	FINISH IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL FACTORY PRIME		FROSTED (GLASS LOUVER GLASS 3'-0" 6" 	4-0	4'-0" 1'-0'	RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP HINGES RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP KICK DOWN DOC H-03 HINGES LOCKSET WEATHER STRIP DOOR SWEEP H-04 HINGES DEADBOLT	PLA PLA HA HA
101 102 103 pe Mark	LOCATION FROM MENS JANITOR WOMENS Count 2 Louvers v 14 Window-F	NO. WIDTH 101 3'-0" 102 3'-0" 103 3'-0"	SIZE HEIGHT 7'-0" 7'-0"	1 3/4" 1 3/4" 1 3/4" ow-Fixed-Ande	1/A-602 1/A-602 1/A-602 Family a	JAMB THF 2/A-602 2/A-602 2/A-602 2/A-602 and Type 2/A-602	RESHOLD T 3/A-602 3/A-602 3/A-602 3/A-602 WINDOV 3/A-602	TYPE HARDWAR 5 H-1 2 H-1 5 H-1 W/LOUVER SCHE	DOOR RE GROUP MAT 1-04 H.M. 1-04 H.M. 1-04 H.M. EDULE - BLDG. (3'-(INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT PACTORY PRIME/PAINT C Width Height Sill 2'-0" 2'-0" 6'-8" 2'-8" 1'-4" 6'-8" 0" EQ EC EQ EC EQ EC EQ EC TYP	TYPE MAT A M A M A M Height Bird Screet	TERIAL FINISH IETAL FACTORY PRIME	Comme	FROSTED (18"h x 12"wL FROSTED (nts	GLASS LOUVER GLASS 3'-0" 6" 	4-0		RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP HINGES RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP KICK DOWN DOC <u>H-03</u> HINGES LOCKSET WEATHER STRIP DOOR SWEEP H-04 HINGES DEADBOLT PUSH PLATE VANDAL REISTAN	PLA PLA HA HA
101 102 103 e Mark	LOCATION FROM MENS JANITOR WOMENS Count 2 Louvers v 14 Window-F	NO. WIDTH 101 3'-0" 102 3'-0" 103 3'-0" vith Trim: 24" x 24" Fixed-Andersen-100 P P P	SIZE HEIGHT 7'-0" 7'-0"	1 3/4" 1 3/4" 1 3/4" ow-Fixed-Ande	1/A-602 1/A-602 1/A-602 Family a	JAMB THF 2/A-602 2/A-602 2/A-602 2/A-602 and Type 2/A-602	RESHOLD T 3/A-602 3/A-602 3/A-602 3/A-602 WINDOV 3/A-602	TYPE HARDWAR 5 H-1 2 H-1 5 H-1 W/LOUVER SCHE	DOOR RE GROUP MAT H-04 H.M. H-03 H.M. H-04 H.M. EDULE - BLDG. (3'-(5, - 5, - 5, - 1,	INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT PACTORY PRIME/PAINT C Width Height Sill 2'-0" 2'-0" 6'-8" 2'-8" 1'-4" 6'-8" 0" EQ EC EQ EC EQ EC EQ EC TYP	TYPE MAT A M A M A M Height Bird Screet	TERIAL FINISH IETAL FACTORY PRIME	Comme	FROSTED (18"h x 12"wL FROSTED (nts	GLASS LOUVER GLASS 3'-0" 	4-0		RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP HINGES RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP KICK DOWN DOC H-03 HINGES LOCKSET WEATHER STRIP DOOR SWEEP H-04 HINGES DEADBOLT PUSH PLATE VANDAL REISTAN CLOSER KICK PLATE	PLA PLA HA HA
101 102 103 e Mark	LOCATION FROM MENS JANITOR WOMENS Count 2 Louvers v 14 Window-F	NO. WIDTH 101 3'-0" 102 3'-0" 103 3'-0"	SIZE HEIGHT 7'-0" 7'-0"	1 3/4" 1 3/4" 1 3/4" ow-Fixed-Ande	1/A-602 1/A-602 1/A-602 Family a	JAMB THF 2/A-602 2/A-602 2/A-602 2/A-602 and Type 2/A-602	RESHOLD T 3/A-602 3/A-602 3/A-602 3/A-602 WINDOV 3/A-602	TYPE HARDWAR 5 H-1 2 H-1 5 H-1 W/LOUVER SCHE	DOOR RE GROUP MAT H-04 H.M. H-03 H.M. H-04 H.M. EDULE - BLDG. (3'-(5, - 5, - 5, - 1,	INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT PACTORY PRIME/PAINT C Width Height Sill 2'-0" 2'-0" 6'-8" 2'-8" 1'-4" 6'-8" 0" EQ EC EQ EC EQ EC EQ EC TYP	TYPE MAT A M A M A M Height Bird Screet	TERIAL FINISH IETAL FACTORY PRIME	Comme	FROSTED (18"h x 12"wL FROSTED (nts	GLASS LOUVER GLASS 3'-0" 6" 	4-0		RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP HINGES RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP KICK DOWN DOC H-03 HINGES LOCKSET WEATHER STRIP DOOR SWEEP H-04 HINGES DEADBOLT PUSH PLATE VANDAL REISTAN CLOSER	PLA PLA HA HA
101 102 103 De Mark	LOCATION FROM MENS JANITOR WOMENS Count 2 Louvers v 14 Window-F	NO. WIDTH 101 3'-0" 102 3'-0" 103 3'-0" vith Trim: 24" x 24" Fixed-Andersen-100 P P P	SIZE HEIGHT 7'-0" 7'-0"	1 3/4" 1 3/4" 1 3/4" ow-Fixed-Ande	1/A-602 1/A-602 1/A-602 Family a	JAMB THF 2/A-602 2/A-602 2/A-602 2/A-602 and Type 2/A-602	RESHOLD T 3/A-602 3/A-602 WINDOV 8'-0" 4 4	TYPE HARDWAN 5 H- 2 H- 5 H- W/LOUVER SCHE	DOOR RE GROUP MAT H-04 H.M. H-03 H.M. H-04 H.M. EDULE - BLDG. (3'-(5, - 5, - 5, - 1,	INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT PACTORY PRIME/PAINT C Width Height Sill 2'-0" 2'-0" 6'-8" 2'-8" 1'-4" 6'-8" 0" EQ EC EQ EC EQ EC EQ EC TYP	TYPE MAT A M A M A M Height Bird Screet	TERIAL FINISH IETAL FACTORY PRIME	Comme	FROSTED (18"h x 12"wL FROSTED (nts	GLASS LOUVER GLASS 3'-0" 6" 	4-0		RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP HINGES RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP KICK DOWN DOC H-03 HINGES LOCKSET WEATHER STRIP DOOR SWEEP H-04 HINGES DEADBOLT PUSH PLATE VANDAL REISTAN CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP	-PLA PING - HAC - KI - VOI - PUS - PLA PING - HAC - HAC - KI - VAN - S KI - VAN - S KI - VAN - AC - S KI - CLA - IVE - IVE - PUS - PLA - PUS - PLA - S KI - VOI - HAC - S KI - VAN - HAC - HAC
101 102 103 De Mark	LOCATION FROM ROOM MENS JANITOR WOMENS Count 2 Louvers v 14 Window-F FLOOR	NO. WIDTH 101 3'-0" 102 3'-0" 103 3'-0" vith Trim: 24" x 24" Fixed-Andersen-100 P P P	SIZE HEIGHT 7'-0" 7'-0"	1 3/4" 1 3/4" 1 3/4" ow-Fixed-Ande	1/A-602 1/A-602 1/A-602 Family a	JAMB THF 2/A-602 2/A-602 2/A-602 2/A-602 and Type 2/A-602	RESHOLD T 3/A-602 3/A-602 WINDOV 8'-0" 4 4	TYPE HARDWAN 5 H- 2 H- 5 H- W/LOUVER SCHE	DOOR RE GROUP MAT H-04 H.M. H-03 H.M. H-04 H.M. EDULE - BLDG. (3'-(5, - 5, - 5, - 1,	INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT PACTORY PRIME/PAINT C Width Height Sill 2'-0" 2'-0" 6'-8" 2'-8" 1'-4" 6'-8" 0" EQ EC EQ EC EQ EC EQ EC TYP	TYPE MAT A M A M A M Height Bird Screet	TERIAL FINISH IETAL FACTORY PRIME	Comme	FROSTED (18"h x 12"wL FROSTED (nts	GLASS LOUVER GLASS 3'-0" 6" 	4-0		RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP HINGES RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP KICK DOWN DOC H-03 HINGES LOCKSET WEATHER STRIP DOOR SWEEP H-04 HINGES DEADBOLT PUSH PLATE VANDAL REISTAN CLOSER KICK PLATE WEATHER STRIP	-PLA PING - HAC - KI - VOI - PUS - PLA PING - HAC - HAC - KI - VAN - S KI - VAN - S KI - VAN - AC - S KI - CLA - IVE - IVE - PUS - PLA - PUS - PLA - S KI - VOI - HAC - S KI - VAN - HAC - HAC
101 102 103 //pe Mark	LOCATION FROM ROOM MENS JANITOR WOMENS Count 2 Louvers v 14 Window-F FLOOR	NO. WIDTH 101 3'-0" 102 3'-0" 103 3'-0" vith Trim: 24" x 24" Fixed-Andersen-100 P P P	SIZE HEIGHT 7'-0" 7'-0"	1 3/4" 1 3/4" 1 3/4" ow-Fixed-Ande	1/A-602 1/A-602 1/A-602 Family a	JAMB THF 2/A-602 2/A-602 2/A-602 2/A-602 and Type 2/A-602	RESHOLD T 3/A-602 3/A-602 WINDOV 8'-0" 4 4	TYPE HARDWAN 5 H- 2 H- 5 H- W/LOUVER SCHE	DOOR RE GROUP MAT H-04 H.M. H-03 H.M. H-04 H.M. EDULE - BLDG. (3'-(5, - 5, - 5, - 1,	INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT PACTORY PRIME/PAINT C Width Height Sill 2'-0" 2'-0" 6'-8" 2'-8" 1'-4" 6'-8" 0" EQ EC EQ EC EQ EC EQ EC TYP	TYPE MAT A M A M A M Height Bird Screet	TERIAL FINISH IETAL FACTORY PRIME	Comme	FROSTED (18"h x 12"wL FROSTED (nts	GLASS LOUVER GLASS 3'-0" 6" 	4-0		RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP HINGES RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP KICK DOWN DOC H-03 HINGES LOCKSET WEATHER STRIP DOOR SWEEP H-04 HINGES DEADBOLT PUSH PLATE VANDAL REISTAN CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP H-05 HINGES	-PLA PING - HAC - KI - VOI - PUS - PLA PING - HAC - HAC - KI - VAN - S KI - VAN - S KI - VAN - AC - S KI - CLA - IVE - IVE - PUS - PLA - PUS - PLA - S KI - VOI - HAC - S KI - VAN - HAC - HAC
000R NO. 101 102 103 /pe Mark	LOCATION FROM ROOM MENS JANITOR WOMENS Count 2 Louvers v 14 Window-F FLOOR	NO. WIDTH 101 3'-0" 102 3'-0" 103 3'-0" vith Trim: 24" x 24" Fixed-Andersen-100 P P P	SIZE HEIGHT 7'-0" 7'-0"	1 3/4" 1 3/4" 1 3/4" ow-Fixed-Ande	1/A-602 1/A-602 1/A-602 Family a	JAMB THF 2/A-602 2/A-602 2/A-602 2/A-602 and Type 2/A-602	RESHOLD T 3/A-602 3/A-602 WINDOV 8'-0" 4 4	TYPE HARDWAN 5 H- 2 H- 5 H- W/LOUVER SCHE	DOOR RE GROUP MAT H-04 H.M. H-03 H.M. H-04 H.M. EDULE - BLDG. (3'-(5, - 5, - 5, - 1,	INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT PACTORY PRIME/PAINT C Width Height Sill 2'-0" 2'-0" 6'-8" 2'-8" 1'-4" 6'-8" 0" EQ EC EQ EC EQ EC EQ EC TYP	TYPE MAT A M A M A M Height Bird Screet	TERIAL FINISH IETAL FACTORY PRIME	Comme	FROSTED (18"h x 12"wL FROSTED (nts	GLASS LOUVER GLASS 3'-0" 6" 	4-0		RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP HINGES RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP KICK DOWN DOC H-03 HINGES LOCKSET WEATHER STRIP DOOR SWEEP H-04 HINGES DEADBOLT PUSH PLATE VANDAL REISTAN CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP H-05 HINGES	-PLA PING - HAG - 5 Ki - VOI - PUS - PLA PING - HAG - HAG - 5 Ki - VAI - 5 Ki - VAI - 1VE - 1VE - PUS - 1VE - PUS - PLA - PUS - 4AG - 5 Ki - CLA - VAI - NE - PUS - 10E - PUS - 10E - PUS - 10E - PUS - 10E - 10E
DOOR NO. 101 102 103 ype Mark 2 2 4'-0" 4'-0" W1	LOCATION FROM MENS JANITOR WOMENS Count 2 Louvers v 14 Window-F FLOOR	NO. WIDTH 101 3'-0" 102 3'-0" 103 3'-0" vith Trim: 24" x 24" Fixed-Andersen-100 P	SIZE HEIGHT 7'-0" 7'-0" 7'-0" 0_Series: Wind	1 3/4" 1 3/4" 1 3/4" 0w-Fixed-Ander 6'-0" W3	1/A-602 1/A-602 1/A-602 Family a	JAMB THF 2/A-602 2/A-602 2/A-602 2/A-602 and Type 2/A-602	RESHOLD T 3/A-602 3/A-602 WINDOV 8'-0" 4 4	TYPE HARDWAN 5 H- 2 H- 5 H- W/LOUVER SCHE		INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT FACTORY PRIME/PAINT PACTORY PRIME/PAINT PACTORY PRIME/PAINT SIII 2'-0" 2'-0" 6'-8" 2'-8" 1'-4" 6'-8" 0" 3'-0 EQ EQ EQ EQ EQ EQ FLUSH V FLUSH V TYP FLUSH V	TYPE MAT A M A M A M A M Height Bird Screet Bird Screet Bird Screet Bird Screet Max M Max M A M A M A M Bird Screet Max M Max M Max M Max M Bird Screet Bird Screet Bird Screet Bird Screet Bird Screet Max Max Max Max Max Max Max Max Bird Screet Bird Screet Bird Screet Bird Screet Bird	TERIAL FINISH IETAL FACTORY PRIME IETAL ITAPE 3 FLUSH W/FNV1 ITAPE 3	Comme 3'-0" 6" 6" 6" 6" 6" 6" 6" 6" 6" 6	FROSTED (18"h x 12"wL FROSTED (nts	GLASS LOUVER GLASS 3'-0" 6" 	4-0		RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP HINGES RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP KICK DOWN DOC H-03 HINGES LOCKSET WEATHER STRIP DOOR SWEEP H-04 HINGES DEADBOLT PUSH PLATE VANDAL REISTAN CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP H-05 HINGES LOCKSET	PING - PLA - PLA - HAC - HAC - HAC - VON - PUS - PLA - PUS - PLA - PUS - PLA - PUS - PLA - PUS - PLA - PUS - PLA - S KI - CLA - IVES - PLA - S KI - CLA - IVES - PLA - S KI - CLA - IVES - PLA - S KI - CLA - PUS - PLA
DOOR NO. 101 102 103 ype Mark 2 7 4'-0" 4'-0" W1	LOCATION FROM MENS JANITOR WOMENS Count 2 Louvers v 14 Window-F FLOOR	NO. WIDTH 101 3'-0" 102 3'-0" 103 3'-0" vith Trim: 24" x 24" Fixed-Andersen-100 P P P	SIZE HEIGHT 7'-0" 7'-0" 7'-0" 0_Series: Wind	1 3/4" 1 3/4" 1 3/4" 0w-Fixed-Ander 6'-0" W3	1/A-602 1/A-602 1/A-602 Family a	JAMB THF 2/A-602 2/A-602 2/A-602 2/A-602 and Type 2/A-602	RESHOLD T 3/A-602 3/A-602 WINDOV 8'-0" 4 4	TYPE HARDWAN 5 H- 2 H- 5 H- W/LOUVER SCHE	DOOR RE GROUP MAT H-04 H.M. H-03 H.M. H-04 H.M. EDULE - BLDG. (3'-(5, - 5, - 5, - 1,	INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT FACTORY PRIME/PAINT PACTORY PRIME/PAINT PACTORY PRIME/PAINT SIII 2'-0" 2'-0" 6'-8" 2'-8" 1'-4" 6'-8" 0" 3'-0 EQ EQ EQ EQ EQ EQ FLUSH V FLUSH V TYP FLUSH V	TYPE MAT A M A M A M Height Bird Screet	TERIAL FINISH IETAL FACTORY PRIME	Comme 3'-0" 6" 6" 6" 6" 6" 6" 6" 6" 6" 6	FROSTED (18"h x 12"wL FROSTED (nts	GLASS LOUVER GLASS 3'-0" 6" 	4-0		RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP HINGES RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP KICK DOWN DOC H-03 HINGES LOCKSET WEATHER STRIP DOOR SWEEP H-04 HINGES DEADBOLT PUSH PLATE VANDAL REISTAN CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP H-05 HINGES LOCKSET	PING - PLA - PLA - HAC - HAC - HAC - VON - PUS - PLA - PUS - PLA - PUS - PLA - PUS - PLA - PUS - PLA - PUS - PLA - S KI - CLA - IVES - PLA - S KI - CLA - IVES - PLA - S KI - CLA - IVES - PLA - S KI - CLA - PUS - PLA
101 102 103 De Mark	LOCATION FROM ROOM MENS JANITOR WOMENS Count 2 Louvers v 14 Window-F FLOOR FLOOR	NO. WIDTH 101 3'-0" 102 3'-0" 103 3'-0" vith Trim: 24" x 24" Fixed-Andersen-100 P	SIZE HEIGHT 7'-0" 7'-0" 7'-0" 0_Series: Wind	1 3/4" 1 3/4" 1 3/4" 0w-Fixed-Ander 6'-0" W3 YPES	1/A-602 1/A-602 1/A-602 Family a	JAMB THF 2/A-602 2/2/2000 2/A-602 2/2/2000 2/A-602 2/2000 and Type 2/2000 ess 2/2000 and Type 2/2000 and Type <td>RESHOLD T 3/A-602 3/A-602 WINDOV 8'-0" 4 4</td> <td></td> <td></td> <td>INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT PUBLIC PRIME/PAINT 2'-0" 2'-0" 6'-8" 2'-8" 1'-4" 6'-8" 0" EQ_EQ EQ_EQ EQ_EQ FLUSH V FLUSH V AE A</td> <td>TYPE MAT A M A M A M A M Height Bird Screet Bird Screet Bird Screet Bird Screet Bird Screet Mathematical Screet Screet Bird Screet Mathematical Screet Screet Bird Screet Mathematical Screet Screet Mathematical Screet Screet Bird Screet Bird Screet Bird Screet Bird Screet Bird Screet <td>TERIAL FINISH IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL Status IETAL Status IETAL Status IETAL Status IETAL Status IETAL Status IETAL Status <td>Comme Comme</td><td>FROSTED (18"h x 12"wL FROSTED (nts TYPE</td><td>GLASS LOUVER GLASS 3'-0" 6" </td><td></td><td>TYPE 6</td><td>RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP HINGES RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP KICK DOWN DOC H-03 HINGES LOCKSET WEATHER STRIP DOOR SWEEP H-04 HINGES DEADBOLT PUSH PLATE VANDAL REISTAN CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP H-05 HINGES LOCKSET HINGES LOCKSET</td><td>-PLA -PLA - HAC - HAC - HAC - HAC - VON - PUS - PLA - VON - PUS - PLA - VON - PUS - PLA - NON - PUS - HAC - S KI - CLA - IVES - PUS - PLA - NON - PUS - PUS</td></td></td>	RESHOLD T 3/A-602 3/A-602 WINDOV 8'-0" 4 4			INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT PUBLIC PRIME/PAINT 2'-0" 2'-0" 6'-8" 2'-8" 1'-4" 6'-8" 0" EQ_EQ EQ_EQ EQ_EQ FLUSH V FLUSH V AE A	TYPE MAT A M A M A M A M Height Bird Screet Bird Screet Bird Screet Bird Screet Bird Screet Mathematical Screet Screet Bird Screet Mathematical Screet Screet Bird Screet Mathematical Screet Screet Mathematical Screet Screet Bird Screet Bird Screet Bird Screet Bird Screet Bird Screet <td>TERIAL FINISH IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL Status IETAL Status IETAL Status IETAL Status IETAL Status IETAL Status IETAL Status <td>Comme Comme</td><td>FROSTED (18"h x 12"wL FROSTED (nts TYPE</td><td>GLASS LOUVER GLASS 3'-0" 6" </td><td></td><td>TYPE 6</td><td>RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP HINGES RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP KICK DOWN DOC H-03 HINGES LOCKSET WEATHER STRIP DOOR SWEEP H-04 HINGES DEADBOLT PUSH PLATE VANDAL REISTAN CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP H-05 HINGES LOCKSET HINGES LOCKSET</td><td>-PLA -PLA - HAC - HAC - HAC - HAC - VON - PUS - PLA - VON - PUS - PLA - VON - PUS - PLA - NON - PUS - HAC - S KI - CLA - IVES - PUS - PLA - NON - PUS - PUS</td></td>	TERIAL FINISH IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL Status IETAL Status IETAL Status IETAL Status IETAL Status IETAL Status IETAL Status <td>Comme Comme</td> <td>FROSTED (18"h x 12"wL FROSTED (nts TYPE</td> <td>GLASS LOUVER GLASS 3'-0" 6" </td> <td></td> <td>TYPE 6</td> <td>RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP HINGES RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP KICK DOWN DOC H-03 HINGES LOCKSET WEATHER STRIP DOOR SWEEP H-04 HINGES DEADBOLT PUSH PLATE VANDAL REISTAN CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP H-05 HINGES LOCKSET HINGES LOCKSET</td> <td>-PLA -PLA - HAC - HAC - HAC - HAC - VON - PUS - PLA - VON - PUS - PLA - VON - PUS - PLA - NON - PUS - HAC - S KI - CLA - IVES - PUS - PLA - NON - PUS - PUS</td>	Comme Comme	FROSTED (18"h x 12"wL FROSTED (nts TYPE	GLASS LOUVER GLASS 3'-0" 6" 		TYPE 6	RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP HINGES RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP KICK DOWN DOC H-03 HINGES LOCKSET WEATHER STRIP DOOR SWEEP H-04 HINGES DEADBOLT PUSH PLATE VANDAL REISTAN CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP H-05 HINGES LOCKSET HINGES LOCKSET	-PLA -PLA - HAC - HAC - HAC - HAC - VON - PUS - PLA - VON - PUS - PLA - VON - PUS - PLA - NON - PUS - HAC - S KI - CLA - IVES - PUS - PLA - NON - PUS - PUS
101 102 103 De Mark SECOND	LOCATION FROM ROOM MENS JANITOR WOMENS Count 2 Louvers v 14 Window-F FLOOR FLOOR	NO. WIDTH 101 3'-0" 102 3'-0" 103 3'-0" vith Trim: 24" x 24" Fixed-Andersen-100 Image: state st	SIZE HEIGHT 7'-0" 7'-0" 7'-0" 0_Series: Wind	1 3/4" 1 3/4" 1 3/4" 0w-Fixed-Ander 6'-0" W3 YPES	1/A-602 1/A-602 1/A-602 Family a	JAMB THF 2/A-602 2/2/2000 2/A-602 2/2/2000 2/A-602 2/2000 and Type 2/2000 ess 2/2000 and Type 2/2000 and Type <td>RESHOLD T 3/A-602 3/A-602 3/A-602 WINDON 8'-0" 8'-0" 4 4</td> <td></td> <td></td> <td>INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT PUBLIC PRIME/PAINT 2'-0" 2'-0" 6'-8" 2'-8" 1'-4" 6'-8" 0" EQ_EQ EQ_EQ EQ_EQ FLUSH V FLUSH V AE A</td> <td>TYPE MAT A M A M A M A M Height Bird Screet Bird Screet Bird Screet Bird Screet Bird Screet Mathematical Screet Screet Bird Screet Mathematical Screet Screet Bird Screet Mathematical Screet Screet Mathematical Screet Screet Bird Screet Bird Screet Bird Screet Bird Screet Bird Screet <td>TERIAL FINISH IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL Status IETAL Status IETAL Status IETAL Status IETAL Status IETAL Status IETAL Status <td>Comme Comme</td><td>FROSTED (18"h x 12"wL FROSTED (nts TYPE 17L0017 1006</td><td>GLASS LOUVER GLASS 3'-0" 6" </td><td></td><td>TYPE 6</td><td>RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP HINGES RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP KICK DOWN DOC H-03 HINGES LOCKSET WEATHER STRIP DOOR SWEEP H-04 HINGES DEADBOLT PUSH PLATE VANDAL REISTAN CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP H-05 HINGES LOCKSET HINGES LOCKSET</td><td>-PLA -PLA - HAC - HAC - HAC - HAC - VON - PUS - PLA - VON - FAC - PUS - PLA - VON - PLA - VON - PUS - PLA - VON - PLA - VON - PLA - VON - PLA - PUS - PLA - VON - VON -</td></td></td>	RESHOLD T 3/A-602 3/A-602 3/A-602 WINDON 8'-0" 8'-0" 4 4			INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT PUBLIC PRIME/PAINT 2'-0" 2'-0" 6'-8" 2'-8" 1'-4" 6'-8" 0" EQ_EQ EQ_EQ EQ_EQ FLUSH V FLUSH V AE A	TYPE MAT A M A M A M A M Height Bird Screet Bird Screet Bird Screet Bird Screet Bird Screet Mathematical Screet Screet Bird Screet Mathematical Screet Screet Bird Screet Mathematical Screet Screet Mathematical Screet Screet Bird Screet Bird Screet Bird Screet Bird Screet Bird Screet <td>TERIAL FINISH IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL Status IETAL Status IETAL Status IETAL Status IETAL Status IETAL Status IETAL Status <td>Comme Comme</td><td>FROSTED (18"h x 12"wL FROSTED (nts TYPE 17L0017 1006</td><td>GLASS LOUVER GLASS 3'-0" 6" </td><td></td><td>TYPE 6</td><td>RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP HINGES RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP KICK DOWN DOC H-03 HINGES LOCKSET WEATHER STRIP DOOR SWEEP H-04 HINGES DEADBOLT PUSH PLATE VANDAL REISTAN CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP H-05 HINGES LOCKSET HINGES LOCKSET</td><td>-PLA -PLA - HAC - HAC - HAC - HAC - VON - PUS - PLA - VON - FAC - PUS - PLA - VON - PLA - VON - PUS - PLA - VON - PLA - VON - PLA - VON - PLA - PUS - PLA - VON - VON -</td></td>	TERIAL FINISH IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL Status IETAL Status IETAL Status IETAL Status IETAL Status IETAL Status IETAL Status <td>Comme Comme</td> <td>FROSTED (18"h x 12"wL FROSTED (nts TYPE 17L0017 1006</td> <td>GLASS LOUVER GLASS 3'-0" 6" </td> <td></td> <td>TYPE 6</td> <td>RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP HINGES RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP KICK DOWN DOC H-03 HINGES LOCKSET WEATHER STRIP DOOR SWEEP H-04 HINGES DEADBOLT PUSH PLATE VANDAL REISTAN CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP H-05 HINGES LOCKSET HINGES LOCKSET</td> <td>-PLA -PLA - HAC - HAC - HAC - HAC - VON - PUS - PLA - VON - FAC - PUS - PLA - VON - PLA - VON - PUS - PLA - VON - PLA - VON - PLA - VON - PLA - PUS - PLA - VON - VON -</td>	Comme Comme	FROSTED (18"h x 12"wL FROSTED (nts TYPE 17L0017 1006	GLASS LOUVER GLASS 3'-0" 6" 		TYPE 6	RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP HINGES RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP KICK DOWN DOC H-03 HINGES LOCKSET WEATHER STRIP DOOR SWEEP H-04 HINGES DEADBOLT PUSH PLATE VANDAL REISTAN CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP H-05 HINGES LOCKSET HINGES LOCKSET	-PLA -PLA - HAC - HAC - HAC - HAC - VON - PUS - PLA - VON - FAC - PUS - PLA - VON - PLA - VON - PUS - PLA - VON - PLA - VON - PLA - VON - PLA - PUS - PLA - VON -
101 102 103 pe Mark	LOCATION FROM ROOM MENS JANITOR WOMENS Count 2 Louvers v 14 Window-F FLOOR FLOOR	NO. WIDTH 101 3'-0" 102 3'-0" 103 3'-0" vith Trim: 24" x 24" Fixed-Andersen-100 Image: state st	SIZE HEIGHT 7'-0" 7'-0" 7'-0" 0_Series: Wind	1 3/4" 1 3/4" 1 3/4" 0w-Fixed-Ander 6'-0" W3 YPES	1/A-602 1/A-602 1/A-602 Family a	JAMB THF 2/A-602 2/2/2000 2/A-602 2/2/2000 2/A-602 2/2000 and Type 2/2000 ess 2/2000 and Type 2/2000 and Type <td>RESHOLD T 3/A-602 3/A-602 3/A-602 WINDON 8'-0" 8'-0" 4 4</td> <td></td> <td></td> <td>INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT PUBLIC PRIME/PAINT 2'-0" 2'-0" 6'-8" 2'-8" 1'-4" 6'-8" 0" EQ_EQ EQ_EQ EQ_EQ FLUSH V FLUSH V AE A</td> <td>TYPE MAT A M A M A M A M Height Bird Screet Bird Screet Bird Screet Bird Screet Bird Screet Mathematical Screet Screet Bird Screet Mathematical Screet Screet Bird Screet Mathematical Screet Screet Bird Screet Bird Screet Bird Screet Bird Screet Bird Screet Mathematical Screet Screet Mathematical Screet Screet Mathematical Screet Screet Bird Screet Bird Screet Bird Screet Bird Screet Bird<!--</td--><td>TERIAL FINISH IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL Status IETAL Status IETAL Status IETAL Status IETAL Status IETAL Status IETAL Status <td>Comme Comme</td><td>FROSTED (18"h x 12"wL FROSTED (nts TYPE</td><td>GLASS LOUVER GLASS 3'-0" </td><td></td><td></td><td>RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP HINGES RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP KICK DOWN DOC H-03 HINGES LOCKSET WEATHER STRIP DOOR SWEEP H-04 HINGES DEADBOLT PUSH PLATE VANDAL REISTAN CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP H-05 HINGES LOCKSET HINGES LOCKSET</td><td>-PLA -PLA - HAC - HAC - HAC - HAC - VON - PUS - PLA - VON - FAC - PUS - PLA - VON - PLA - VON - PUS - PLA - VON - PLA - VON - PLA - VON - PLA - PUS - PLA - VON - VON -</td></td></td>	RESHOLD T 3/A-602 3/A-602 3/A-602 WINDON 8'-0" 8'-0" 4 4			INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT PUBLIC PRIME/PAINT 2'-0" 2'-0" 6'-8" 2'-8" 1'-4" 6'-8" 0" EQ_EQ EQ_EQ EQ_EQ FLUSH V FLUSH V AE A	TYPE MAT A M A M A M A M Height Bird Screet Bird Screet Bird Screet Bird Screet Bird Screet Mathematical Screet Screet Bird Screet Mathematical Screet Screet Bird Screet Mathematical Screet Screet Bird Screet Bird Screet Bird Screet Bird Screet Bird Screet Mathematical Screet Screet Mathematical Screet Screet Mathematical Screet Screet Bird Screet Bird Screet Bird Screet Bird Screet Bird </td <td>TERIAL FINISH IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL Status IETAL Status IETAL Status IETAL Status IETAL Status IETAL Status IETAL Status <td>Comme Comme</td><td>FROSTED (18"h x 12"wL FROSTED (nts TYPE</td><td>GLASS LOUVER GLASS 3'-0" </td><td></td><td></td><td>RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP HINGES RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP KICK DOWN DOC H-03 HINGES LOCKSET WEATHER STRIP DOOR SWEEP H-04 HINGES DEADBOLT PUSH PLATE VANDAL REISTAN CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP H-05 HINGES LOCKSET HINGES LOCKSET</td><td>-PLA -PLA - HAC - HAC - HAC - HAC - VON - PUS - PLA - VON - FAC - PUS - PLA - VON - PLA - VON - PUS - PLA - VON - PLA - VON - PLA - VON - PLA - PUS - PLA - VON - VON -</td></td>	TERIAL FINISH IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL Status IETAL Status IETAL Status IETAL Status IETAL Status IETAL Status IETAL Status <td>Comme Comme</td> <td>FROSTED (18"h x 12"wL FROSTED (nts TYPE</td> <td>GLASS LOUVER GLASS 3'-0" </td> <td></td> <td></td> <td>RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP HINGES RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP KICK DOWN DOC H-03 HINGES LOCKSET WEATHER STRIP DOOR SWEEP H-04 HINGES DEADBOLT PUSH PLATE VANDAL REISTAN CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP H-05 HINGES LOCKSET HINGES LOCKSET</td> <td>-PLA -PLA - HAC - HAC - HAC - HAC - VON - PUS - PLA - VON - FAC - PUS - PLA - VON - PLA - VON - PUS - PLA - VON - PLA - VON - PLA - VON - PLA - PUS - PLA - VON - VON -</td>	Comme Comme	FROSTED (18"h x 12"wL FROSTED (nts TYPE	GLASS LOUVER GLASS 3'-0" 			RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP HINGES RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP KICK DOWN DOC H-03 HINGES LOCKSET WEATHER STRIP DOOR SWEEP H-04 HINGES DEADBOLT PUSH PLATE VANDAL REISTAN CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP H-05 HINGES LOCKSET HINGES LOCKSET	-PLA -PLA - HAC - HAC - HAC - HAC - VON - PUS - PLA - VON - FAC - PUS - PLA - VON - PLA - VON - PUS - PLA - VON - PLA - VON - PLA - VON - PLA - PUS - PLA - VON -
000R NO. 101 102 103 /pe Mark 2 / / / / / / / / / / / / /	LOCATION FROM ROOM MENS JANITOR WOMENS Count 2 Louvers v 14 Window-F FLOOR FLOOR	NO. WIDTH 101 3'-0" 102 3'-0" 103 3'-0" vith Trim: 24" x 24" Fixed-Andersen-100 Image: state st	SIZE HEIGHT 7'-0" 7'-0" 7'-0" 0_Series: Wind	1 3/4" 1 3/4" 1 3/4" 0w-Fixed-Ander 6'-0" W3 YPES	1/A-602 1/A-602 1/A-602 Family a	JAMB THF 2/A-602 2/2/2000 2/A-602 2/2/2000 2/A-602 2/2000 and Type 2/2000 ess 2/2000 and Type 2/2000 and Type <td>RESHOLD T 3/A-602 3/A-602 3/A-602 WINDON 8'-0" 8'-0" 4 4</td> <td></td> <td></td> <td>INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT INSUL. 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DOOR NO. 101 102 103 Type Mark	LOCATION FROM ROOM MENS JANITOR WOMENS Count 2 Louvers v 14 Window-F FLOOR FLOOR	NO. WIDTH 101 3'-0" 102 3'-0" 103 3'-0" vith Trim: 24" x 24" Fixed-Andersen-100 Image: state st	SIZE HEIGHT 7'-0" 7'-0" 7'-0" 0_Series: Wind	1 3/4" 1 3/4" 1 3/4" 0w-Fixed-Ander 6'-0" W3 YPES	1/A-602 1/A-602 1/A-602 Family a	JAMB THF 2/A-602 2/2/2000 2/A-602 2/2/2000 2/A-602 2/2000 and Type 2/2000 ess 2/2000 and Type 2/2000 and Type <td>RESHOLD T 3/A-602 3/A-602 3/A-602 WINDON 8'-0" 8'-0" 4 4</td> <td></td> <td></td> <td>INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT INSUL. FACTORY PRIME/PAINT INSUL. 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FACTORY PRIME/PAINT PACTORY PRIME/PAINT VIOL 6'-8" 2'-0" 2'-0" 6'-8" 2'-8" 1'-4" 6'-8"	TYPE MAT A M A M A M A M Height Bird Screet Bird Screet Bird Screet Bird Screet Bird Screet Mathematical Screet Screet Bird Screet Mathematical Screet Screet Bird Screet Mathematical Screet Screet Mathematical Screet Screet Bird Screet Bird Screet Bird Screet Bird Screet Bird Screet <td>TERIAL FINISH IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL Status IETAL Status IETAL Status IETAL Status IETAL Status IETAL Status IETAL Status <td>Comme Comme 3'-0" 6" 6" 6" 6" 6" 6" 6" 6" 6" 6</td><td>FROSTED (18"h x 12"w L FROSTED (nts TYPE 17L0017 1006 Y OF KENEDY S = 1'-0" 9 AGP</td><td>GLASS LOUVER GLASS 3'-0" </td><td>Copyright Hanson 4501 Gol</td><td>TYPE 6</td><td>RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP HINGES RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP KICK DOWN DOO H-03 HINGES LOCKSET WEATHER STRIP DOOR SWEEP H-04 HINGES DEADBOLT PUSH PLATE VANDAL REISTAN CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP H-05 HINGES LOCKSET WEATHER STRIP DOOR SWEEP H-05 HINGES LOCKSET</td><td>-PLA -PLA - HAC - HAC - HAC - HAC - VON - PUS - PLA - VON - PUS - PLA - VAN - PUS - PLA - SKN - VAN - HAC - SKN - CLA - IVES - PUS - PLA - NON - PUS - PLA - SKN - VAN - SKN - S</td></td>	TERIAL FINISH IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL FACTORY PRIME IETAL Status IETAL Status IETAL Status IETAL Status IETAL Status IETAL Status IETAL Status <td>Comme Comme 3'-0" 6" 6" 6" 6" 6" 6" 6" 6" 6" 6</td> <td>FROSTED (18"h x 12"w L FROSTED (nts TYPE 17L0017 1006 Y OF KENEDY S = 1'-0" 9 AGP</td> <td>GLASS LOUVER GLASS 3'-0" </td> <td>Copyright Hanson 4501 Gol</td> <td>TYPE 6</td> <td>RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP HINGES RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP KICK DOWN DOO H-03 HINGES LOCKSET WEATHER STRIP DOOR SWEEP H-04 HINGES DEADBOLT PUSH PLATE VANDAL REISTAN CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP H-05 HINGES LOCKSET WEATHER STRIP DOOR SWEEP H-05 HINGES LOCKSET</td> <td>-PLA -PLA - HAC - HAC - HAC - HAC - VON - PUS - PLA - VON - PUS - PLA - VAN - PUS - PLA - SKN - VAN - HAC - SKN - CLA - IVES - PUS - PLA - NON - PUS - PLA - SKN - VAN - SKN - S</td>	Comme Comme 3'-0" 6" 6" 6" 6" 6" 6" 6" 6" 6" 6	FROSTED (18"h x 12"w L FROSTED (nts TYPE 17L0017 1006 Y OF KENEDY S = 1'-0" 9 AGP	GLASS LOUVER GLASS 3'-0" 	Copyright Hanson 4501 Gol	TYPE 6	RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP HINGES RIM EXIT DEVICE CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP KICK DOWN DOO H-03 HINGES LOCKSET WEATHER STRIP DOOR SWEEP H-04 HINGES DEADBOLT PUSH PLATE VANDAL REISTAN CLOSER KICK PLATE WEATHER STRIP DOOR SWEEP H-05 HINGES LOCKSET WEATHER STRIP DOOR SWEEP H-05 HINGES LOCKSET	-PLA -PLA - HAC - HAC - HAC - HAC - VON - PUS - PLA - VON - PUS - PLA - VAN - PUS - PLA - SKN - VAN - HAC - SKN - CLA - IVES - PUS - PLA - NON - PUS - PLA - SKN - VAN - SKN - S

USED

	Comments		Airflow
_		Line Cliding-Andersen-100_Series_Two_Sash	
		Window-Fixed-Auto-	
		Window-Gliding-Andersen-100_Series_mics	
		Window-Gliding-Andersen-100_Series_Three_Sash_Unequal 8046	
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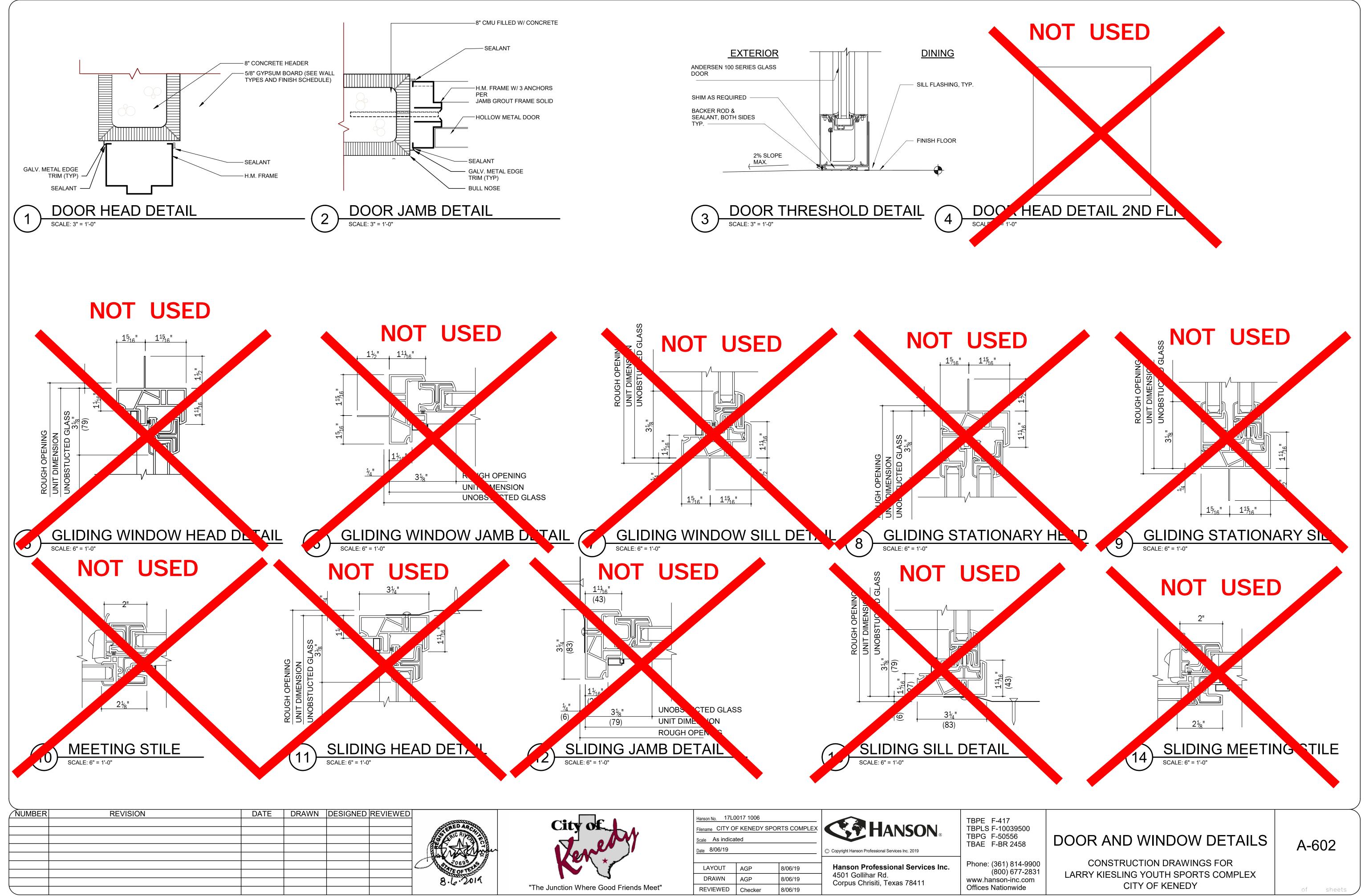
KNUCKLE, BALL BEARING, NON-REMOVABLE PIN – IVES 5-BB-1-HW-4.5 X 4.5-NRP OR EQUAL ON DUPRIN, 98L-996L-07, US26D FINISH OR EQUAL JSH SIDE MOUTNED, LCN 4040XP-72 OR EQUAL ATE W/ COUNTERSUNK HOLES - HAGER, 109S-CSK, MIL FINISH, W/ BEVELED EDGES AGER 891S AGER 756C, MIL FINISH	
KNUCKLE, BALL BEARING, NON-REMOVABLE PIN – IVES 5-BB-1-HW-4.5 X 4.5-NRP OR EQUAL DN DUPRIN, 98L-996L-07, US26D FINISH OR EQUAL JSH SIDE MOUTNED, LCN 4040XP-72 OR EQUAL ATE W/ COUNTERSUNK HOLES - HAGER, 109S-CSK, MIL FINISH, W/ BEVELED EDGES AGER 891S AGER 756C, MIL FINISH, OR EQUAL AGER, 270C, OR EQUAL	
KNUCKLE, BALL BEARING, NON-REMOVABLE PIN – IVES 5-BB-1-HW-4.5 X 4.5-NRP OR EQUAL ANDAL RESISTANT LEVER HANDLE, STOREROOM FUNCTION - SCHLAGE ND96PD-ATH, 626 FINISH O AGER 891S IGER 756C, MIL FINISH OR EQUAL	R EQUAL
KNUCKLE, BALL BEARING, NON-REMOVABLE PIN – IVES 5-BB-1-HW-4.5 X 4.5-NRP OR EQUAL ASSROOM FUNCTION DEADBOLT, SCHLAGE, B663P, 626 FINISH OR EQUAL ES 8200, 626 FINISH ES, VR814-NL, 626 FINISH JSH SIDE MOUTNED, LCN 4040XP-72 OR EQUAL ATE W/ COUNTERSUNK HOLES - HAGER, 109S-CSK, MIL FINISH, W/ BEVELED EDGES AGER 891S AGER 756C, MIL FINISH, OR EQUAL	
KNUCKLE, BALL BEARING, NON-REMOVABLE PIN – IVES 5-BB-1-HW-4.5 X 4.5-NRP OR EQUAL ANDAL RESISTANT LEVER HANDLE, STOREROOM FUNCTION - SCHLAGE ND96PD-ATH US26D FINISH	I OR EQUAL
IARDWARE	
17	

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DOOR AND WINDOW SCHEDULES CONSTRUCTION DRAWINGS FOR LARRY KIESLING YOUTH SPORTS COMPLEX CITY OF KENEDY

A-601

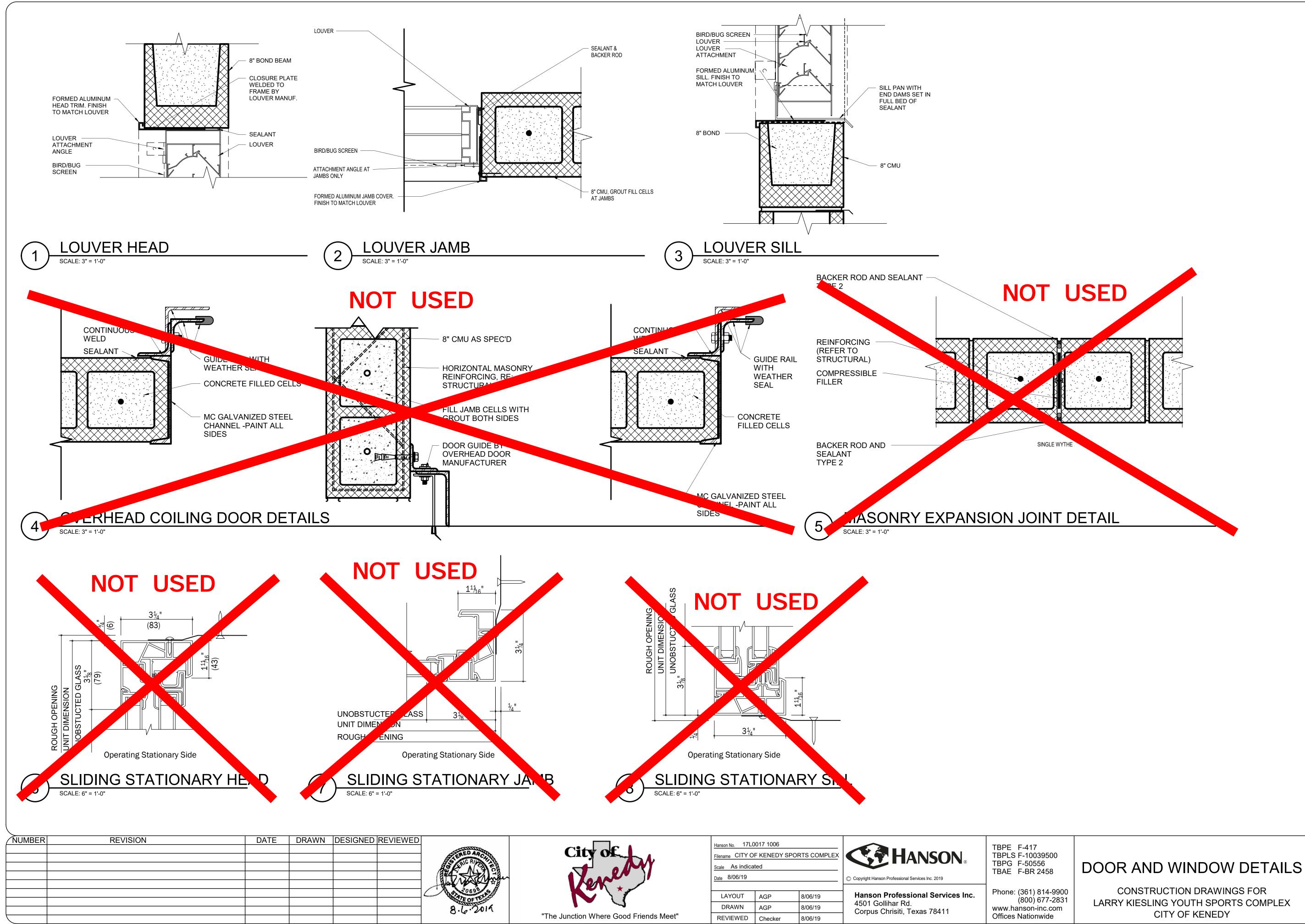


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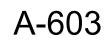
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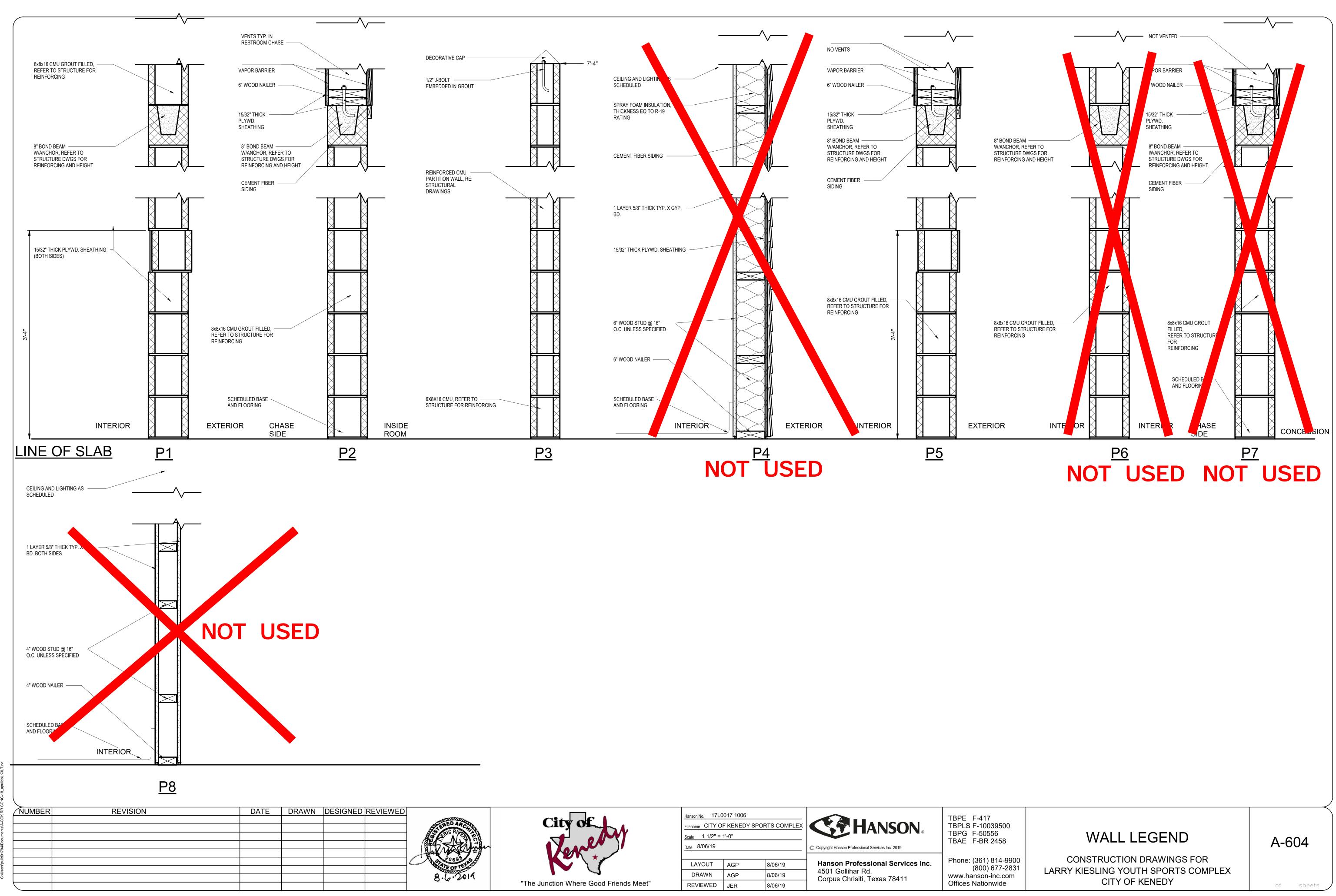
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Scale As indica	ted		
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THANSON ® Bht Hanson Professional Services Inc. 2019	TBPE F TBPLS F TBPG F TBAE F
nson Professional Services Inc.)1 Gollihar Rd. rpus Chrisiti, Texas 78411	Phone: (36 (80 www.hans Offices Na

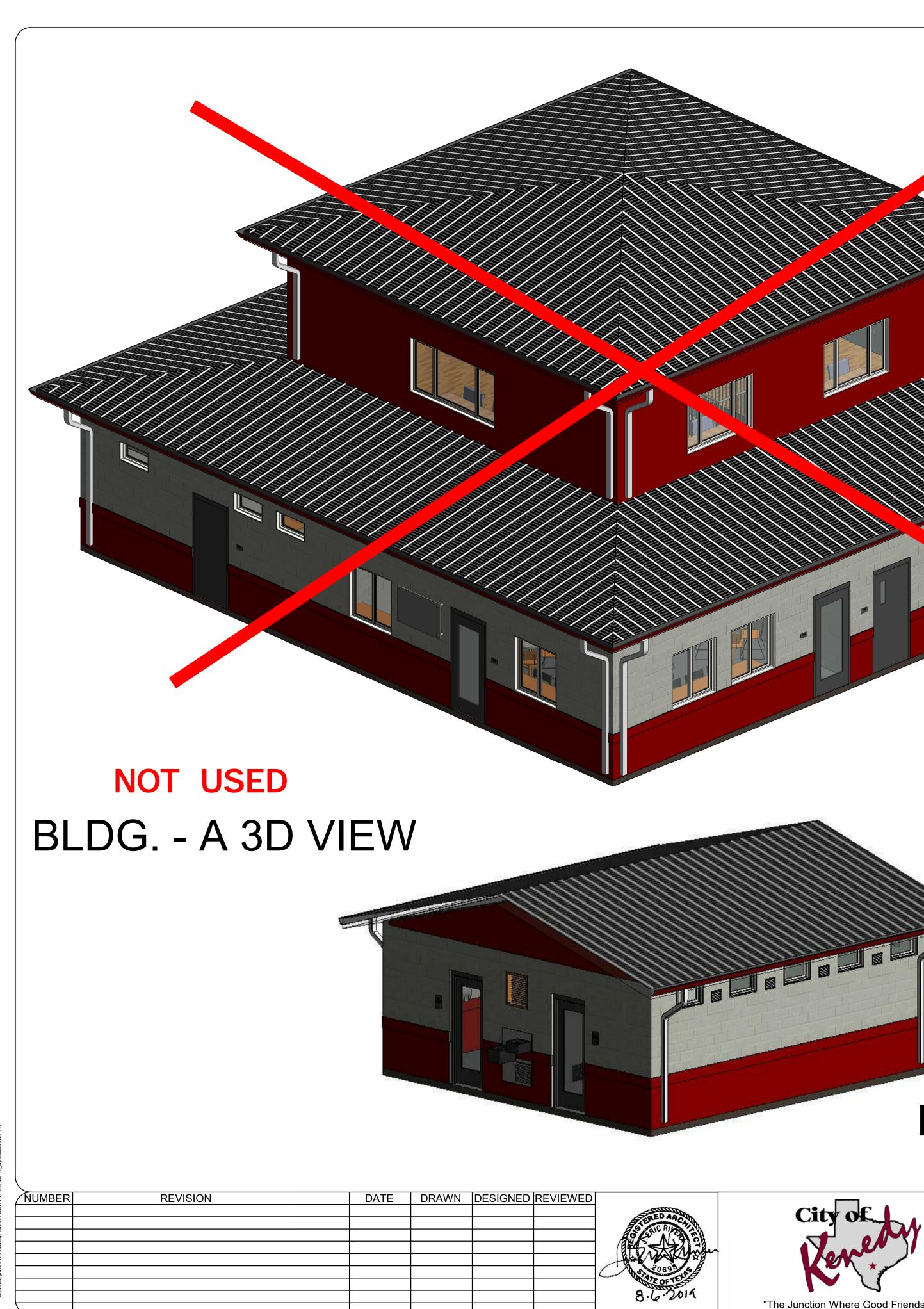


CONSTRUCTION DRAWINGS FOR LARRY KIESLING YOUTH SPORTS COMPLEX CITY OF KENEDY





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BLDG. - C 3D VIEW



"The Junction Where Good Friends Meet"

Hanson No	_{b.} 17L0017 1006
Filename	CITY OF KENEDY SPORTS COMPLE

_{Date} 8/06/19		
LAYOUT	AGP	8/06/19
DRAWN	AGP	8/06/19
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LAYOUT	AGP	8/06/19
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EVIEWED	Checker	8/06/19



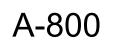
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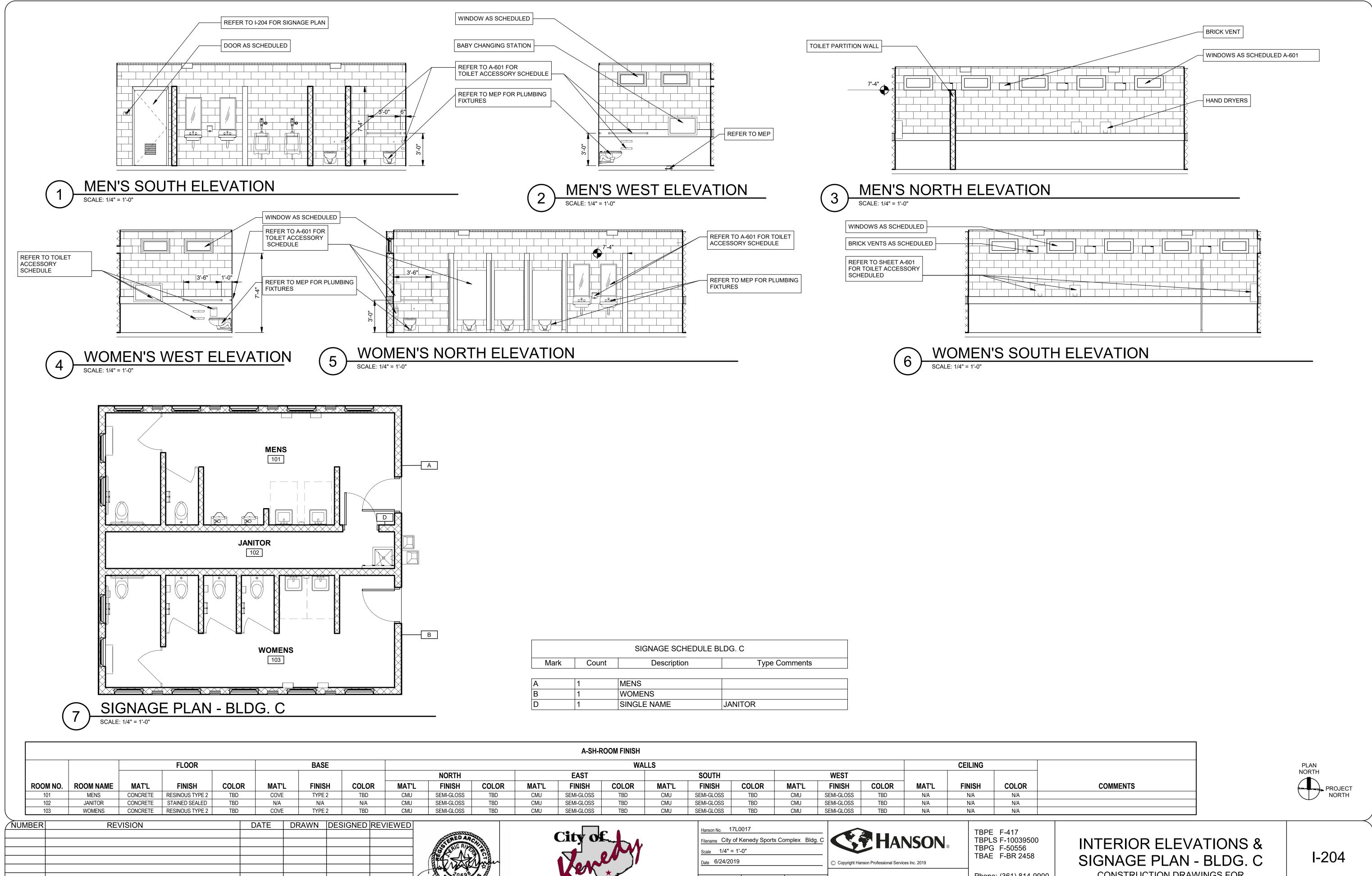
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3D VIEWS

CONSTRUCTION DRAWINGS FOR LARRY KIESLING YOUTH SPORTS COMPLEX CITY OF KENEDY



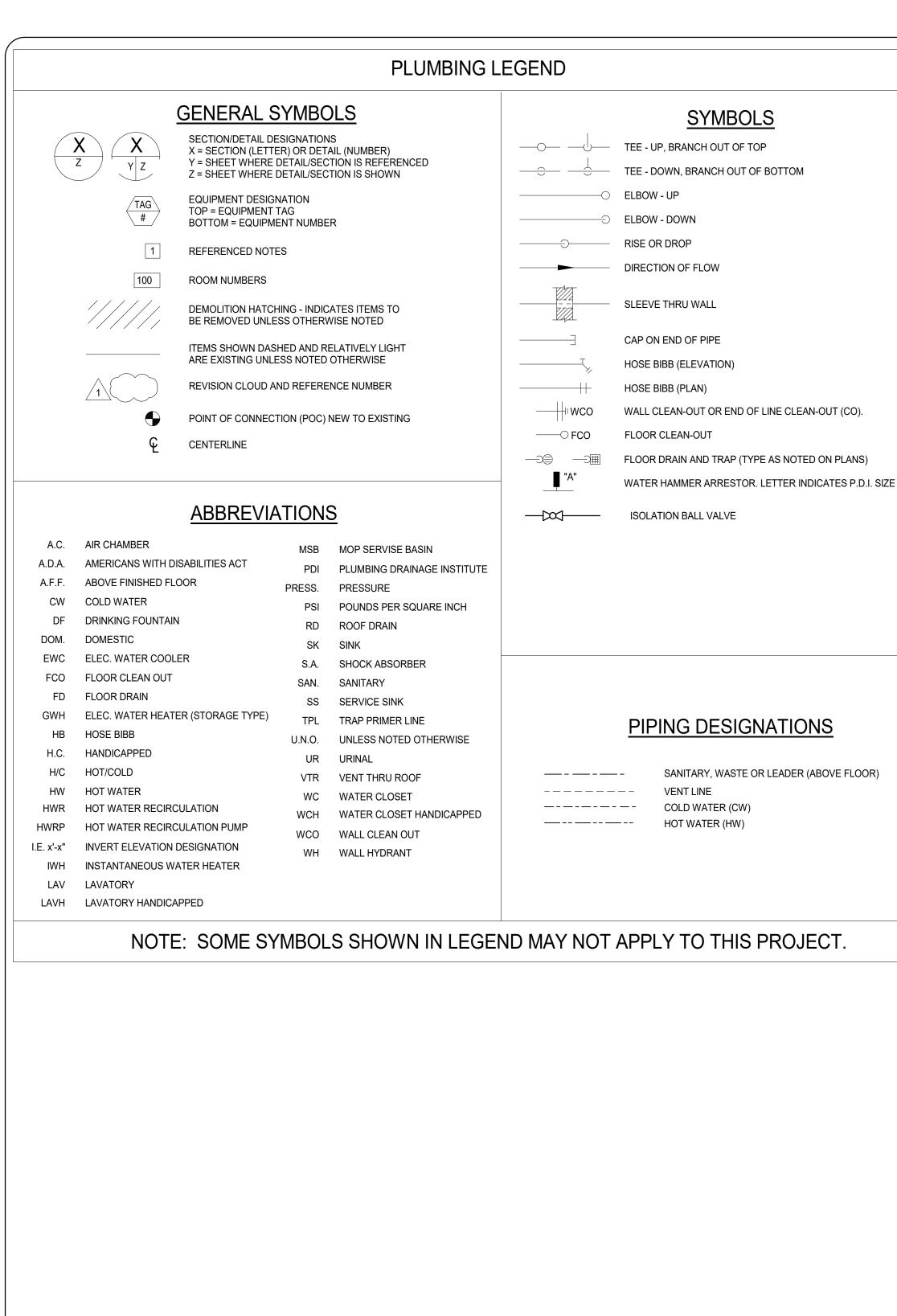


8.6.

	SIGNAGE SCHEDULE BLDG. C							
Mark	Count Description Type Comments							
A	1	MENS						
В	1	WOMENS						
D	1	SINGLE NAME	JANITOR					

			A-SH-F	ROOM FINISH									
				WA	LLS							CEILING	
			EAST			SOUTH			WEST				
	COLOR	R MAT'L	FINISH	COLOR	MAT'L	FINISH	COLOR	MAT'L	FINISH	COLOR	MAT'L	FINISH	CO
S	TBD	CMU	SEMI-GLOSS	TBD	CMU	SEMI-GLOSS	TBD	CMU	SEMI-GLOSS	TBD	N/A	N/A	N
S	TBD	CMU	SEMI-GLOSS	TBD	CMU	SEMI-GLOSS	TBD	CMU	SEMI-GLOSS	TBD	N/A	N/A	N
S	TBD	CMU	SEMI-GLOSS	TBD	CMU	SEMI-GLOSS	TBD	CMU	SEMI-GLOSS	TBD	N/A	N/A	N
City of Jane			: 1'-0"	s Complex Bld	_	The second server	NSON (ces Inc. 2019	B TBP	E F-41 LS F-10 G F-50 E F-BR				
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		"The	Junction Where	Good Friends		REVIEWED	Checker	6/24/2019	· ·				es Natio

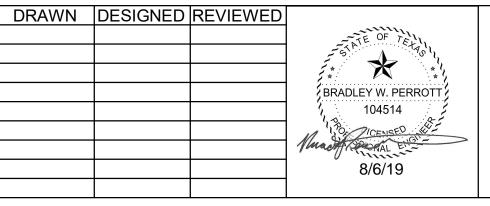
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417 10039500 50556 BR 2458	INTERIOR ELEVATIONS & SIGNAGE PLAN - BLDG. C	I-204
61) 814-990(00) 677-283 son-inc.com ationwide		of sheets



DATE

NUMBER

REVISION



PIPING SERVICE SCHEDULE						
SERVICE	MATERIAL					
1. ABOVE GROUND SOIL, WASTE, VENT AND DOWNSPOUTS, 2" DIAMETER AND LARGER	HUBBED CAST IRON SOIL PIPE OR SCHEDULE 40 PVC, TYPE DWV					
2. BELOW GROUND SOIL, WASTE, VENT AND DOWNSPOUTS, 2" DIAMETER AND LARGER	HUBBED CAST IRON SOIL PIPE OR SCHEDULE 40 PVC, TYPE DWV					
3. ABOVE GROUND SOIL, WASTE, VENT AND DOWNSPOUTS, 1-1/2" DIAMETER AND SMALLER	SCHEDULE 40 PVC, TYPE DWV					
4. ABOVE GROUND DOMESTIC WATER	COPPER TUBING, TYPE L OR SCHEDULE 80 CPVC					
5. BELOW GROUND DOMESTIC WATER	COPPER TUBING, TYPE L					
6. ABOVE GROUND SANITARY VENTS	SCHEDULE 40 PVC, TYPE DWV					
7. EXPOSED PIPING CONNECTIONS FOR PLUMBING FIXTURES	BRASS PIPE, SCHEDULE 40, CHROMIUM PLATED					

WATER HAMMER ARRESTOR SCHEDULE

MARK	A	В	С	D	E	F
MAXIMUM FIXTURE UNITS	11	32	60	113	154	330
MAXIMUM PRESSURE RATING	65 PSI					

NOTES:

1. WHEN WORKING WATER PRESSURE EXCEEDS 65 PSI, USE NEXT LARGEST SIZE.

MAXIMUM PIPING LENGTH COVERED BY ONE ARRESTOR SHALL BE 20 LINEAR FEET.

3. SIZING AND PLACEMENT SHALL BE IN ACCORDANCE WITH PDI STANDARD PDI-WH 201.

4. FIELD FABRICATED AIR CHAMBERS ARE NOT ACCEPTABLE AS SHOCK ABSORBERS.



"The Junction Where Good Friends Meet"

Hanson No. 17L0017 1	006	
Filename CITY OF KEN	NEDY SPOR	RTS COMPLEX
Scale N.T.S.		
Date 8/6/19		
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LAYOUT	BWP	8/6/19
DRAWN	BWP	8/6/19
REVIEWED	BWP	8/6/19



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GENERAL NOTES

- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY FITTINGS AS REQUIRED BY ALL APPLICABLE CODES AND GOVERNING AUTHORITIES.
- 2. CONTRACTOR SHALL VERIFY AND CORRECT AS REQUIRED TO MEET ALL CODES AND REGULATIONS ANY POSSIBLE DISCREPANCIES BETWEEN TYPE AND SIZE OF CONNECTION SPECIFIED IN PLUMBING FIXTURE SCHEDULE AND FIXTURES ACTUALLY INSTALLED ON THE SITE.
- ALL SANITARY PIPING 3" OR SMALLER SHALL HAVE A 1/4" PER FOOT 3. SLOPE AND 4" AND LARGER SHALL HAVE A 1/8" PER FOOT SLOPE UNLESS OTHERWISE NOTED.
- VENT PIPING SHOWN ON FLOOR PLANS IS ONLY INDICATIVE EXCEPT FOR 4. VTR LOCATIONS.
- 5. VALVES AND FITTINGS SHALL BE OF SAME SIZE OF LINE ON WHICH THEY ARE LOCATED, UNLESS OTHERWISE INDICATED ON DRAWINGS.
- CONTRACTOR SHALL FIELD VERIFY ALL GIVEN MEASUREMENTS PRIOR TO 6. LAYING AND CONNECTING ALL SANITARY AND WASTE PIPING AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- AIR CHAMBERS SHALL NOT BE USED. 7.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING FIRE RATING 8. AND WEATHERPROOFING INTEGRITY OF ALL PIPING AND PENETRATIONS
- 9 ALL WATER SUPPLY AND SANITARY LINES SHALL BE RUN AS CLOSE TO PLANS AS POSSIBLE WITH NO CHANGES IN SIZING.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY 10. SUPPORTING DEVICES FOR ALL FIXTURES INCLUDED IN CONTRACT OR HEREIN SPECIFIED OR OTHERWISE.
- 11. CHANGES IN THE DIRECTION OF SANITARY DRAIN PIPING SHALL NOT BE MADE WITH FITTINGS WHICH WILL CAUSE EXCESSIVE REDUCTION IN THE VELOCITY OF FLOW OR CREATE ANY OTHER ADVERSE EFFECT UNLESS PHYSICALLY IMPOSSIBLE (I.E. USE OF SANITARY TEE IN A HORIZONTAL CONNECTION, USE OF A DOUBLE SANITARY TEE IN A VERTICAL STACK, IN GENERAL, USE OF A SHORT-RADIUS FITTINGS FOR BRANCH TO HOUSE DRAIN OR STACK CONNECTION).
- CONTRACTOR SHALL GIVE 24 HOURS NOTICE TO APPLICABLE UTILITY 12. COMPANY PRIOR TO PERFORMING WORK INVOLVING UTILITIES.
- 13. ALL SANITARY AND WATER SUPPLY LINES SHALL BE MARKED WITH THE SEAL OF APPROVAL OF THE NATIONAL SANITATION FOUNDATION.
- 14. ALL COPPER PIPE SHALL BE INSTALLED SO AS TO NOT CONTACT CONCRETE SURFACES.
- ALL FLOOR DRAINS SHALL BE PROVIDED WITH DEEP SEAL TRAPS AND 15. TRAP PRIMERS, UNLESS NOTED OTHERWISE.
- ROUTE ALL PIPING CONCEALED ABOVE CEILINGS, WITHIN WALLS, OR IN 16. CHASES EXCEPT AS SPECIFICALLY NOTED, OR IN MECHANICAL ROOMS.
- 17. PROVIDE ACCESS PANELS TO ALL VALVES WITHIN CHASES OR ABOVE NON-ACCESSIBLE CEILINGS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
- 18. INSTALL WATER HAMMER SHOCK ARRESTORS AT EACH FIXTURE OR BATTERY OF FIXTURES WHERE REQUIRED. ARRESTORS SHALL BE FACTORY FABRICATED. INSTALL ARRESTORS AND SIZE PER PLUMBING AND DRAINAGE INSTITUTE STANDARD P.D.I. WH-201. ACCEPTABLE MANUFACTURERS: ZURN, JOSAM, JAY R. SMITH.
- 19. METERING AND SITE UTILITY CONNECTIONS ARE EXISTING TO REMAIN. ALL SERVICES SHOWN ON THIS SET OF PLANS COMMENCE INSIDE OF THE BUILDING, UNLESS SHOWN OTHERWISE ON DRAWINGS, PLUMBING CONTRACTOR SHALL MAKE CONNECTIONS TO EXISTING SYSTEMS.
- 20. SEE ARCHITECTURAL DRAWINGS FOR EXACT PLUMBING FIXTURE LOCATIONS, DRAIN LOCATIONS, MOUNTING HEIGHTS, AND DIMENSIONS.
- 21. CONTRACTOR SHALL VERIFY INVERT ELEVATIONS OF EXISTING SEWERS TO WHICH NEW SEWER LINES ARE TO BE CONNECTED BEFORE INSTALLATION OF NEW SEWER PIPING.
- 22. CONTRACTOR SHALL INSTALL DIELECTRIC CONNECTION DEVICES AT CONNECTIONS OF DISSIMILAR METALS.

PLUMBING NOTES, LEGENDS, AND ABBREVIATIONS

CONSTRUCTION DRAWINGS FOR LARRY KIESLING YOUTH SPORTS COMPLEX CITY OF KENEDY

P-001

2. 201				
1. Flov as sepa	v-Direction Arrows: Integral with piping-system service lettering to accomm rate unit on each pipe label to indicate flow direction. ering Size: Size letters according to ASME A13.1 for piping.	odate both directions or		
	contents: Include identification of piping service using same designations of on one of the one one of the one of the one one of the one one of the one of	r abbreviations as used		
	d Pipe Labels: Precoiled, semirigid plastic formed to partially cover circumf hout fasteners or adhesive.	erence of pipe and to		
A. General Rec and showing flow	uirements for Manufactured Pipe Labels: Preprinted, color-coded, with lett v direction.	ering indicating service,		
1.1 PIPE LABEL	S		 B. CPVC Piping System: ASTM D 2846/D 2846M, SDR 11, pip C. CPVC Tubing System: ASTM D 2846/D 2846M, SDR 11, tu 	
	3 - IDENTIFICATION FOR PLUMBING PIPING AND EQUIPMENT		2. CPVC Threaded Fittings: ASTM F 437, Schedule 8	0.
END OF SECTION	<i>,</i> , ,		 A. CPVC Pipe: ASTM F 441/F 441M, Schedule 80. 1. CPVC Socket Fittings: ASTM F 438 for Schedule 4 	
	SP-58, Type 39, protection saddles if insulation without vapor barrier is indi on that matches adjoining insulation.	icated. Fill interior voids	1.2 CPVC PIPING	
	Operating above Ambient Air Temperature: Clamp may project through insu exceed pipe stress limits allowed by ASME B31.9 for building services pipir		 Fittings for NPS 2-1/2 to NPS 4: Cast-bronze or wro seal in each end. 	
E. Attach clam	os and spacers to piping.		 D. Copper Pressure-Seal-Joint Fittings: 1. Fittings for NPS 2 and Smaller: Wrought-copper fitt 	ina wi
	Install hangers and supports to provide indicated pipe slopes and to not explored by ASME B31.9 for building services piping.	xceed maximum pipe	 Ball-and-socket, metal-to-metal seating surfaces. Solder-joint or threaded ends. 	
	ution: Install hangers and supports so that piping live and dead loads and s ansmitted to connected equipment.	uresses from movement	C. Copper Unions: 1. MSS SP-123. 2. Cast-copper-alloy, hexagonal-stock body.	
expansion b	novement between pipe anchors, and to facilitate action of expansion joints ends, and similar units.		 A. Hard Copper Tube: water tube, drawn temper. B. Wrought-Copper, Solder-Joint Fittings: ASME B16.22, wrou 	ght-cc
B. Install hange	ents as required to properly support piping from the building structure. The sand supports to allow controlled thermal and seismic movement of pipin		1.1 COPPER TUBE AND FITTINGS	
A. Metal Pipe-H	langer Installation: Comply with MSS SP-69 and MSS SP-89. Install hange	ers, supports, clamps,	SECTION 221116 - DOMESTIC WATER PIPING	
	ger Rods: Continuous-thread rod, nuts, and washer made of stainless stee	51.	END OF SECTION 220719	JUNG
1. Des	cription: MSS SP-58, Types 1 through 58, copper-coated-steel, factory-fab	·	 For insulation with factory-applied jackets on below tabs. Instead, secure tabs with additional adhesive as re manufacturer and seal with vapor-barrier mastic and fla 	ecomn
5. Har B. Copper Pipe	ger Rods: Continuous-thread rod, nuts, and washer made of carbon steel. Hangers:		 For insulation with factory-applied jackets on above clinched staples at 6 inches o.c. 	
surface	of piping.		vapor-barrier mastic and joint sealant.	
	metallic Coatings: Plastic coating, jacket, or liner. ded Hangers: Hanger with fiberglass or other pipe insulation pad or cushio	n to support hearing	without deforming insulation materials.2. Where vapor barriers are indicated, seal longitudina	al sear
	vanized Metallic Coatings: Pregalvanized or hot dipped.		1. Secure each layer of preformed pipe insulation to p	ipe wi
	el Pipe Hangers and Supports: cription: MSS SP-58, Types 1 through 58, factory-fabricated components.		3.2 INSTALLATION OF MINERAL-FIBER PREFORMED PIPEA. Insulation Installation on Straight Pipes and Tubes:	INSUL
	E HANGERS AND SUPPORTS		continuously through walls and partitions.	
	9 - HANGERS AND SUPPORTS FOR PLUMBING PIPING AND EQUIPI	<u>/IENT</u>	A. Insulation Installation at Interior Wall and Partition Penetration	ons (T
END OF SECTION	DN 220523.12		tape. 3.1 PENETRATIONS	
J. For Copper in valve schedule	Tubing, NPS 2 and Smaller: Threaded ends except where solder-joint valve es below.	e-end option is indicated	A. ASJ Tape: White vapor-retarder tape matching factory-appli ASTM C 1136. Width: 3 inches; Thickness: 11.5 mils; Adhesion: percent; Tensile Strength: 40 lbf/inch in width; ASJ Tape Disks a	: 90 [°] ou
	s in position to allow full stem movement.		2.4 TAPES	in d'
	es for easy access and provide separate support where necessary.		jackets are indicated, comply with the following: ASJ: White, kra aluminum-foil backing; complying with ASTM C 1136, Type I.	л-раре
equipment remo	val without system shutdown.		A. Insulation system schedules indicate factory-applied jackets	
	ort: Regular. s with unions or flanges at each piece of equipment arranged to allow servi	ce, maintenance, and	insulation jacket lap seams and joints. 2.3 FACTORY-APPLIED JACKETS	
Forged	cription; Standard: MSS SP-110 CWP Rating: 600 psig; Body Design: Two prass; Ends: Threaded and soldered; Seats: PTFE; Stem: Stainless steel;		B. ASJ Adhesive, and FSK Jacket Adhesive: Comply with MIL	
E. Brass Ball V	alves, Two-Piece with Regular Port and Brass Trim:		 2.2 ADHESIVES A. Mineral-Fiber Adhesive: Comply with MIL-A-3316C, Class 2 	2, Grac
2. Exte operatio	ended operating handles of nonthermal-conductive material and protective n of valves without breaking vapor seals or disturbing insulation. nory stops that are fully adjustable after insulation is applied.	sleeves that allow	a thermosetting resin. Comply with ASTM C 547, Type I, Gr applied jacket requirements are specified in "Factory-Applie 2.2 ADHESIVES	ade A
D. Valves in Ins 1. Incl	sulated Piping: ude 2-inch stem extensions.		A. Products shall not contain asbestos, lead, mercury, or mercB. Mineral-Fiber, Preformed Pipe Insulation: Type I, 850 Deg F	
C. Valve Actua 1. Har	tor Types: dlever: For quarter-turn valves smaller than NPS 4.		2.1 INSULATION MATERIALS	
B. Valve Sizes:	Same as upstream piping unless otherwise indicated.		A. Insulation Installed Indoors: Flame-spread index of 25 or les	s, and
A. Valve Press temperatures.	ure-Temperature Ratings: Not less than indicated and as required for syste	em pressures and	1.1 QUALITY ASSURANCE	
SECTION 22052	3.12 - BALL VALVES FOR PLUMBING PIPING		SECTION 220553	
END OF SECTION	DN 220517		2. Sanitary Waste Piping: Background Color: Safety I END OF SECTION 220553	olack;
	for the following piping-penetration applications: rior Partitions: Piping Smaller Than NPS 6: PVC pipe sleeves.		1. Domestic Water Piping: Background: Safety green	
B. Install sleeve	es for piping passing through penetrations in floors, partitions, roofs, and wa	alls.	spaces; machine rooms; accessible maintenance spaces such a B. Pipe Label Color Schedule:	as sna
A. PVC Pipe Sl	eeves: ASTM D 1785, Schedule 40.		A. Pipe Label Locations: Locate pipe labels where piping is exp	
	7 - SLEEVES AND SLEEVE SEALS FOR PLUMBING PIPING			

PLUMBING SPECIFICATIONS

	2.1 PIPING INSTALLATION	2.6 PIPING SCHEDULE
above accessible ceilings in finished tunnels, and plenums.	A. Drawing plans, schematics, and diagrams indicate general location and arrangement of domestic water piping. Indicated locations and arrangements are used to size pipe and calculate friction loss,	A. Transition and special fittings with pressure ratings at least equal to piping ra below unless otherwise indicated.
	expansion, and other design considerations. Install piping as indicated unless deviations to layout are approved on coordination drawings.	 B. Fitting Option: Extruded-tee connections and brazed joints may be used on a
olors: White.	B. Install domestic water piping level with 0.25 percent slope downward toward drain and plumb.	C. Aboveground and belowground domestic water piping, NPS 2 and smaller, s
ter Color: White.	C. Install piping concealed from view and protected from physical contact by building occupants unless otherwise indicated and except in equipment rooms and service areas.	 Hard copper tube, ASTM B 88, Type L; wrought-copper, solder-joint Hard copper tube, ASTM B 88, Type L; copper pressure-seal-joint fit
	 D. Install piping above accessible ceilings to allow sufficient space for ceiling panel removal, and coordinate with other services occupying that space. 	 joints. 4. CPVC, Schedule 80; socket fittings; and solvent-cemented joints. 5. CPVC, Schedule 80 pipe; CPVC, Schedule 80 threaded fittings; and
noke-developed index of 50 or less.	E. Install piping to permit valve servicing.	 CPVC Tubing System: CPVC tube; CPVC socket fittings; and solver and NPS 2 CPVC pipe with CPVC socket fittings may be used instead or
	F. Install nipples, unions, special fittings, and valves with pressure ratings the same as or higher than the system pressure rating used in applications below unless otherwise indicated.	END OF SECTION 221116
ounds.	G. Install piping free of sags and bends.	SECTION 221316 - SANITARY WASTE AND VENT PIPING
s: Mineral or glass fibers bonded with	H. Install fittings for changes in direction and branch connections.	1.1 HUB-AND-SPIGOT, CAST-IRON SOIL PIPE AND FITTINGS
ith factory-applied ASJ. Factory- " Article.	 Install unions in copper tubing at final connection to each piece of equipment, machine, and specialty. 	A. Pipe and Fittings: ASTM A 74, Service class.Gaskets: ASTM C 564, rubber. pure lead and oakum or hemp fiber.
	2.2 JOINT CONSTRUCTION	1.2 PVC PIPE AND FITTINGS
Α.	A. Ream ends of pipes and tubes and remove burrs. Bevel plain ends of steel pipe.	A. Comply with NSF 14, "Plastics Piping Systems Components and Related Ma components. Include marking with "NSF-dwv" for plastic drain, waste, and vent p
c, Class 2, Grade A for bonding	B. Remove scale, slag, dirt, and debris from inside and outside of pipes, tubes, and fittings before	plastic sewer piping.
	assembly.	B. Solid-Wall PVC Pipe: ASTM D 2665, drain, waste, and vent.
us applications. When factory-applied fiberglass-reinforced scrim with	C. Threaded Joints: Thread pipe with tapered pipe threads according to ASME B1.20.1. Cut threads full and clean using sharp dies. Ream threaded pipe ends to remove burrs and restore full ID. Apply appropriate tape or thread compound to external pipe threads. Do not use pipe or pipe fittings with	C. PVC Socket Fittings: ASTM D 2665, made to ASTM D 3311, drain, waste, ar Schedule 40 pipe.
	threads that are corroded or damaged.	D. Adhesive Primer: ASTM F 656.
	D. Soldered Joints for Copper Tubing: Apply ASTM B 813, water-flushable flux to end of tube. Join copper tube and fittings according to ASTM B 828 or CDA's "Copper Tube Handbook."	E. Solvent Cement: ASTM D 2564.
with acrylic adhesive, complying with es force/inch in width; Elongation: 2 res: Precut disks or squares of ASJ	E. Pressure-Sealed Joints for Copper Tubing: Join copper tube and pressure-seal fittings with tools recommended by fitting manufacturer.	2.1 PIPING INSTALLATIONA. Drawing plans, schematics, and diagrams indicate general location and arrar
	F. Joint Construction for Solvent-Cemented Plastic Piping: Clean and dry joining surfaces. Comply with ASTM F 402 for safe-handling practice of cleaners, primers, and solvent cements. Apply primer. CPVC Piping: Join according to ASTM D 2846/D 2846M Appendix.	 Indicated locations and arrangements were used to size pipe and ca pump sizing, and other design considerations. Install piping as indicated unless deviations to layout are approved of
Are Not Fire Rated): Install insulation	2.3 HANGER AND SUPPORT INSTALLATION	B. Install piping in concealed locations unless otherwise indicated and except in
ION	A. Comply with requirements for pipe hanger, support products, and installation in Section 220529 "Hangers and Supports for Plumbing Piping and Equipment."	areas.C. Install piping indicated to be exposed and piping in equipment rooms and ser
vine on housele and finishing housele	B. Support vertical piping and tubing at base and at each floor.	parallel to building walls. Diagonal runs are prohibited unless specifically indicated
vire or bands and tighten bands	C. Rod diameter may be reduced one size for double-rod hangers, to a minimum of 3/8 inch.	D. Install piping above accessible ceilings to allow sufficient space for ceiling pa
end joints, and protrusions with	D. Install hangers for copper tubing with the following maximum horizontal spacing and minimum rod diameters: NPS 3/4 and Smaller: 60 inches with 3/8-inch rod; NPS 1 and NPS 1-1/4: 72 inches with 3/8-inch rod; NPS 1 and NPS 1-1/2 and NPS 2: 96 inches with 3/8-inch rod.	F. Install piping at indicated slopes.G. Install piping free of sags and bends.
surfaces, secure laps with outward	E. Install supports for vertical copper tubing every 10 feet.	H. Install fittings for changes in direction and branch connections.
surfaces, do not staple longitudinal	F. Install vinyl-coated hangers for CPVC piping with the following maximum horizontal spacing and	I. Install piping to allow application of insulation.
alant.	minimum rod diameters: NPS 1 and Smaller: 36 inches with 3/8-inch rod; NPS 1-1/4 to NPS 2: 48 inches with 3/8-inch rod.	J. Make changes in direction for soil and waste drainage and vent piping using and long-sweep bends.
	G. Install supports for vertical CPVC piping every 60 inches for NPS 1 and smaller, and every 72 inches for NPS 1-1/4 and larger.	 Sanitary tees and short-sweep 1/4 bends may be used on vertical st flow is from horizontal to vertical. Use long-turn, double Y-branch and 1/8-bend fittings if two fixtures a
	H. Support piping and tubing not listed in this article according to MSS SP-58 and manufacturer's written instructions.	by side with common drain pipe. a. Straight tees, elbows, and crosses may be used on vent line 3. Do not change direction of flow more than 90 degrees.
er pressure fittings.	2.4 IDENTIFICATION	 4. Use proper size of standard increasers and reducers if pipes of diffe a. Reducing size of waste piping in direction of flow is prohibite
	A. Identify system components. Comply with requirements for identification materials and installation in Section 220553 "Identification for Plumbing Piping and Equipment."	K. Install soil and waste and vent piping at the following minimum slopes unless
	B. Label pressure piping with system operating pressure.	1. Building Sanitary Waste: 2 percent downward in direction of flow for per foot downward in direction of flow for piping NPS 4 and larger.
	2.5 CLEANING	2. Vent Piping: 1 percent down toward vertical fixture vent or toward v
EPDM-rubber, O-ring seal in each end. pper fitting with EPDM-rubber, O-ring	A. Purge new piping and parts of existing piping that have been altered, extended, or repaired before using.	L. Install cast-iron soil piping according to CISPI's "Cast Iron Soil Pipe and Fittin "Installation of Cast Iron Soil Pipe and Fittings."
	B. Use purging and disinfecting procedures prescribed by authorities having jurisdiction; if methods are not prescribed, use procedures described in either AWWA C651 or AWWA C652 or follow procedures described below:	M. Install aboveground PVC piping according to ASTM D 2665.N. Plumbing Specialties:
STM F 439 for Schedule 80.	 a. Flush piping system with clean, potable water until dirty water does not appear at outlets. b. Fill and isolate system according to either of the following: Fill system or part thereof with water/chlorine solution with at least 50 ppm of chlorine. 	 Install cleanouts at grade and extend to where building sanitary drain sewers in sanitary waste gravity-flow piping. a. Comply with requirements for cleanouts specified in Section Specialties."
cket fittings.	Isolate with valves and allow to stand for 24 hours.Fill system or part thereof with water/chlorine solution with at least 200 ppm of chlorine.	O. Do not enclose, cover, or put piping into operation until it is inspected and ap
ocket fittings.	Isolate and allow to stand for three hours. c. Flush system with clean, potable water until no chlorine is in water coming from system after the	jurisdiction.
	standing time.d. Repeat procedures if biological examination shows contamination.e. Submit water samples in sterile bottles to authorities having jurisdiction.	2.2 JOINT CONSTRUCTIONA. Join hub-and-spigot, cast-iron soil piping with gasket joints according to CISF
	C. Prepare and submit reports of purging and disinfecting activities. Include copies of water-sample approvals from authorities having jurisdiction.	Fittings Handbook" for compression joints.B. Grooved Joints: Cut groove ends of pipe according to AWWA C606. Lubrica
	D. Clean interior of domestic water piping system. Remove dirt and debris as work progresses.	of pipes or pipe and fitting. Install coupling housing sections, over gasket, with ke Install and tighten housing bolts.
		C. Plastic, Nonpressure-Piping, Solvent-Cement Joints: Clean and dry joining st according to the following:
		 Comply with ASTM F 402 for safe-handling practice of cleaners, prir ABS Piping: Join according to ASTM D 2235 and ASTM D 2661 app PVC Piping: Join according to ASTM D 2855 and ASTM D 2665 appendixes





"The Junction Where Good Friends Meet"

Hanson No. 17L0	017 1006			
Filename CITY OF KENEDY SPORTS COMPLEX				
Scale N.T.S.				
_{Date} 8/6/19				
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LAYOUT	BWP	8/6/19		
DRAWN	BWP	8/6/19		
REVIEWED	BWP	8/6/19		

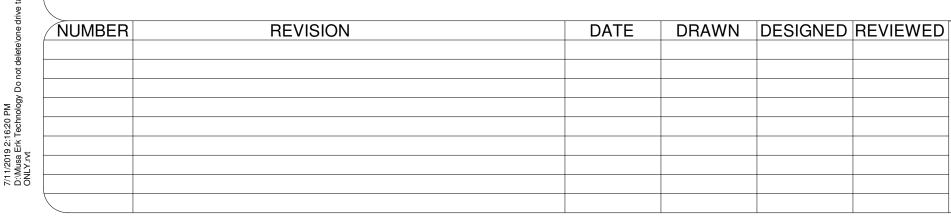
<u> </u>	Copyright Hanson Professional Services Inc. 2019	TBPE F-4 TBPLS F-1 TBPG F-1 TBAE F-1
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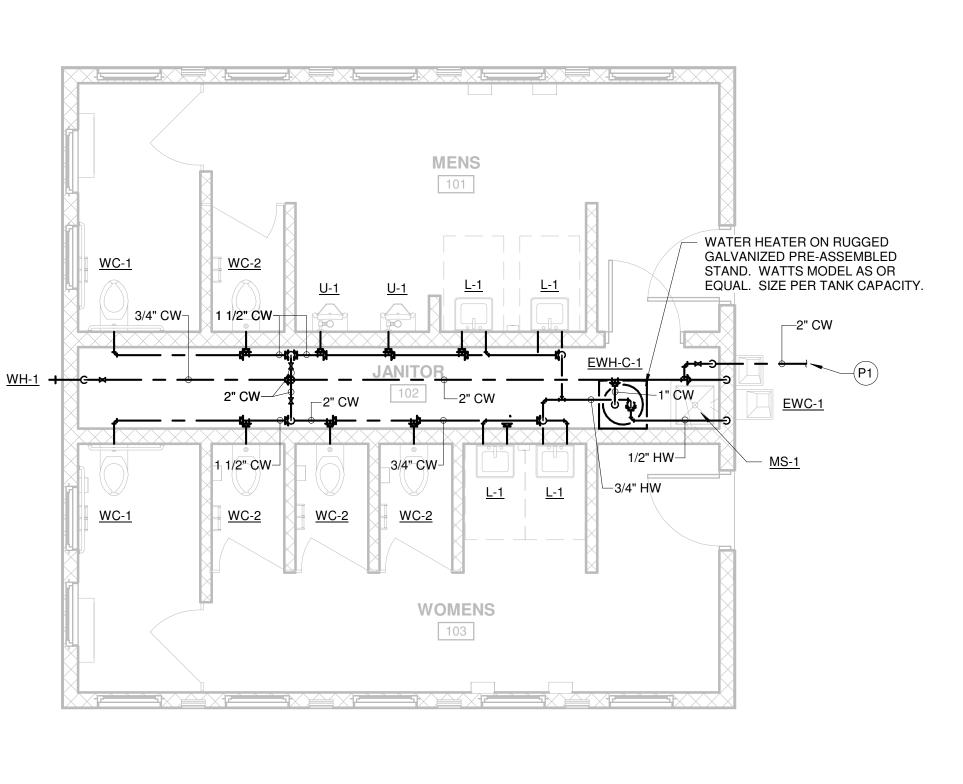
ast equal to piping rating may be used in application	ons 2.3 HANGER AND SUPPORT INSTALLATION	
	A. Comply with requirements for pipe hanger and support devices and installation spe	ecified in Section 220529
nts may be used on aboveground copper tubing. NPS 2 and smaller, shall be one of the following:	"Hangers and Supports for Plumbing Piping and Equipment." 1. Install carbon-steel pipe hangers for horizontal piping in noncorrosive env	ronmonte
t-copper, solder-joint fittings; and soldered joints. pressure-seal-joint fittings; and pressure-sealed	 Install carbon-steel pipe hangers for horizontal piping in horizontal piping in horizontal piping in noncorrosive Install carbon-steel pipe support clamps for vertical piping in noncorrosive Vertical Piping: MSS Type 8 or Type 42, clamps. Install individual, straight, horizontal piping runs: a. 100 Feet and Less: MSS Type 1, adjustable, steel clevis hangers 	environments.
t-cemented joints. threaded fittings; and threaded joints.	 B. Support horizontal piping and tubing within 12 inches of each fitting and coupling. 	
et fittings; and solvent-cemented joints. NPS 1-1/2 ay be used instead of tubing.		
	D. Rod diameter may be reduced one size for double-rod hangers, with 3/8-inch mini	num rods.
	E. Install hangers for cast-iron soil piping with the following maximum horizontal spac diameters: NPS 1-1/2 and NPS 2: 60 inches with 3/8-inch rod; NPS 3: 60 inches with 1	
NGS	NPS 5: 60 inches with 5/8-inch rod.	/2-Incit rou, INF'S 4 and
STM C 564, rubber. Calking Materials: ASTM B 2	9, F. Install supports for vertical cast-iron soil piping every 15 feet.	
onto and Polated Materials " for plactic piping	G. Install hangers for PVC piping with the following maximum horizontal spacing and NPS 1-1/2 and NPS 2: 48 inches with 3/8-inch rod; NPS 3: 48 inches with 1/2-inch rod inches with 5/8-inch rod.	
ents and Related Materials," for plastic piping n, waste, and vent piping and "NSF-sewer" for	H. Install supports for vertical PVC piping every 48 inches.	
ent.	2.4 CONNECTIONS	
311, drain, waste, and vent patterns and to fit	 A. Connect waste and vent piping to the following: a. Plumbing Fixtures: Connect waste piping in sizes indicated, but not smaller the 	an required by plumbing
	 code. b. Plumbing Fixtures and Equipment: Connect atmospheric vent piping in sizes i than required by authorities having jurisdiction. c. Install test tees (wall cleanouts) in conductors near floor and floor cleanouts w 	
	B. Where installing piping adjacent to equipment, allow space for service and mainter	
	2.5 IDENTIFICATION	
ral location and arrangement of piping systems.	A. Identify exposed sanitary waste and vent piping. Comply with requirements for ide	ntification specified in
d to size pipe and calculate friction loss, expansio		
yout are approved on coordination drawings. icated and except in equipment rooms and servic	2.6 CLEANING AND PROTECTIONA. Clean interior of piping. Remove dirt and debris as work progresses.	
ment rooms and service areas at right angles or	 B. Protect sanitary waste and vent piping during remainder of construction period to a debris and to prevent damage from traffic and construction work. 	woid clogging with dirt and
specifically indicated otherwise. space for ceiling panel removal.	C. Place plugs in ends of uncompleted piping at end of day and when work stops.	
space for centing parter removal.	D. Exposed PVC Piping: Protect plumbing vents exposed to sunlight with two coats of	f water-based latex paint.
	E. Repair damage to adjacent materials caused by waste and vent piping installation.	
tions.	2.7 PIPING SCHEDULE	
	A. Aboveground and belowground, soil and waste piping NPS 4 and smaller shall be	
nd vent piping using appropriate branches, bends	 Service class, cast-iron soil pipe and fittings; gaskets; and gasketed joints Solid-wall PVC pipe, PVC socket fittings, and solvent-cemented joints. Dissimilar Pipe-Material Couplings: Shielded, nonpressure transition coupling 	
e used on vertical stacks if change in direction of	1. Solid-wall PVC pipe, PVC socket fittings, and solvent-cemented joints.	
tings if two fixtures are installed back to back or s	ide 2. Dissimilar Pipe-Material Couplings: Shielded, nonpressure transition coup END OF SECTION 221316	blings.
/ be used on vent lines. egrees. ucers if pipes of different sizes are connected. on of flow is prohibited.		
nimum slopes unless otherwise indicated:		
n direction of flow for piping NPS 3 and smaller; 1/ S 4 and larger. ture vent or toward vent stack.	8"	
n Soil Pipe and Fittings Handbook," Chapter IV,		
365.		
building sanitary drains connect to building sanitar	y	
s specified in Section 221319 "Sanitary Waste Pip		
t is inspected and approved by authorities having		
ts according to CISPI's "Cast Iron Soil Pipe and		
WWA C606. Lubricate and install gasket over enc over gasket, with keys seated in piping grooves.	ls	
ean and dry joining surfaces. Join pipe and fittings		
ctice of cleaners, primers, and solvent cements. Id ASTM D 2661 appendixes. D 2665 appendixes.		
- 2000 appointings.		
TBPE F-417		
TBPLS F-417 TBPLS F-10039500 TBPG F-50556		
TBAE F-BR 2458	PLUMBING SPECIFICATIONS	P-002
Phone: (361) 814-9900 (800) 677-2831 www.hanson-inc.com	CONSTRUCTION DRAWINGS FOR LARRY KIESLING YOUTH SPORTS COMPLEX	
Offices Nationwide	CITY OF KENEDY	of she

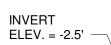


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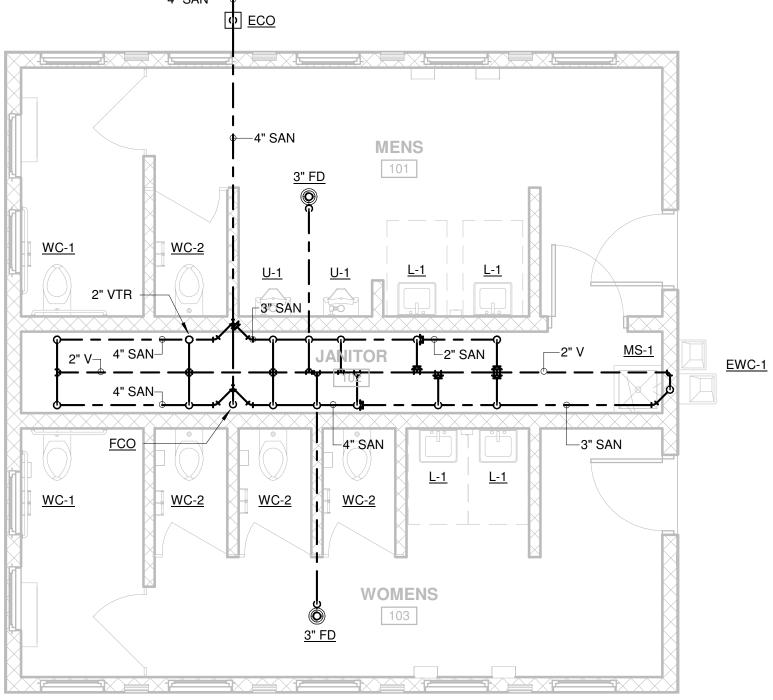














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FIRST FLOOR - BLDG. C - DOMESTIC WATER SCALE: 1/4" = 1'-0"



"The Junction	Where	Good Friends	Meet"

Hanson No. 17L0	0171006	
Filename CITY OF	KENEDY SPOF	TS COMPLEX
Scale 1/4" = 1'-	0"	
_{Date} 07/12/19		
LAYOUT	BWP	07/12/19

LAYOUT	BWP	07/12/19
DRAWN	BWP	07/12/19
REVIEWED	BWP	07/12/19

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PLUMBING KEYNOTES

CONTRACTOR TO MAKE CONNECTION TO DOMESTIC WATER SERVICE UNDER DIVISION 22. INVERT ELEVATION = -3.0'. P1 REFERENCE CIVIL PLANS. P2 CONTRACTOR TO MAKE CONNECTION TO SITE SANITARY PIPING UNDER DIVISION 22. REFERENCE CIVIL PLANS.

FIRST FLOOR - BLDG. C - SANITARY



PLUMBING FLOOR PLANS -BLDG. C CONSTRUCTION DRAWINGS FOR LARRY KIESLING YOUTH SPORTS COMPLEX CITY OF KENEDY

P-103

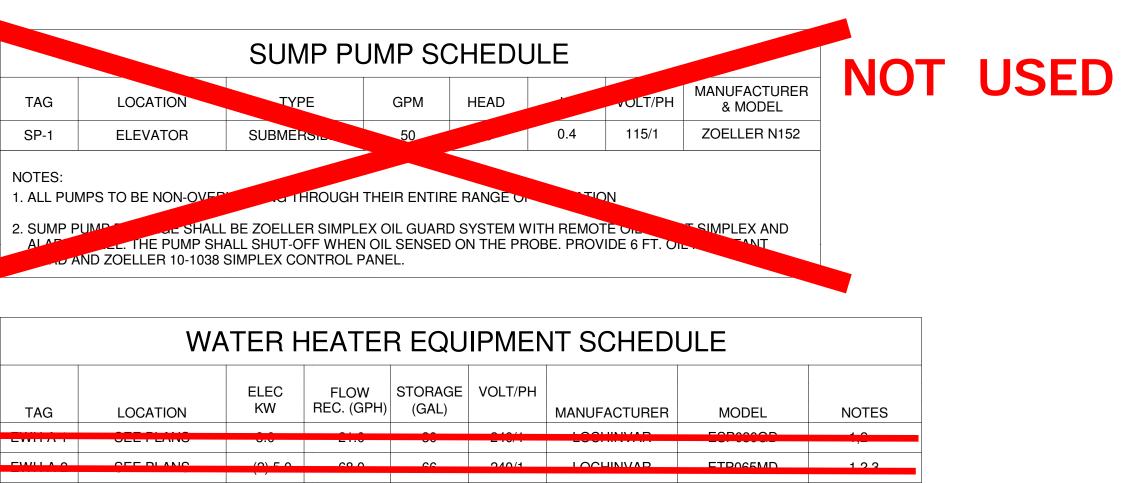
PROJECT NORTH

PLAN NORTH

3 of 7 sheets

			04.0		0.40/4	1.00		FORMAOD	1.0	_				
WH-C-1	SEE PLANS	3.0	21.0	30	240/1	LOC	HINVAR	ESP030GD	1,2	_		47		
IOTES:										_				
. SET AT	RECOVERY IS BASED ON 120-DEG F.													
. HEATEF	RELEMENTS SHALL BE W	/IRED FOR S	IMULTAN	IEOUS OPEF	ATION.								IPMENT SCHEDULE SHALL BE FURNISHED BY OTHERS AN TIONS MADE BY PLUMBING CONTRACTOR.	ID FINAL PLUMBING
	SERVI	°E		PLUI				N SCHEDUL hickness/material			NOTES	NOTED A	G CONTRACTOR SHALL MAKE INDIRECT WASTE CONNEC BOVE AND ROUTE TO FLOOR SINK SHOWN ON THE FLOC CTURER PRODUCT DATA FOR EQUIPMENT CONNECTION	OR PLANS. REFER TO
	WATER PIPING HOT WATER PIPING (100		CONDITI	IONED				PRE-FORMED FIBERO		WITH PVC JACKET	NOTES		IS 17 AND 20 PROVIDE 316 STAINLESS STEEL WATTS MO	
MESTIC	COLD WATER PIPING, COLD WATER PIPING, EX	ONDITIONED						NOT REQUIRED		WITH ALUMINUM JAC	CKET FOR EXTERIOR PIPING	ASSE102	ACKFLOW PREVENTER WITH ATMOSPHERIC PORT THAT (2. DESIGNED TO PREVENT THE REVERSE FLOW OF CON E POTABLE WATER SUPPLY.	
									וווח					
	FIXTURE	SOIL OR	MIN.	TDAD	COLD	НОТ	MOUNTING				TURE SCHEDUL		ACCESSORIES	DEMARKO
MARK	(ADA)	WASTE	VENT	TRAP	WATER			MANUF. / MAKE		EL NO. COLOR	FAUCET	VALVE	(PROVIDE & INSTALL)	REMARKS
WC-1	WALL-MOUNTED WATER CLOSET	4"	2"	INTEGRA	_ 1"		16.5" TO RIM	AMERICAN STANDAF		9.111 WHITE		AMERICAN STANDARD	INCLUDED EXPOSED MANUAL FLUSH VALVE OPEN-FRONT SEAT: 5901.100 TOILET SEAT	ELONGATED BOWL, 1.1 GPF FLUSH VALVE
WC-2	WALL-MOUNTED WATER CLOSET	4"	2"	INTEGRA	_ 1"		15" TO RIM	AMERICAN STANDAF "AFWALL MILLENIUN		9.111 WHITE		AMERICAN STANDARD	INCLUDED EXPOSED MANUAL FLUSH VALVE OPEN-FRONT SEAT: 5901.100 TOILET SEAT	ELONGATED BOWL, 1.1 GPF FLUSH VALVE
U-1	(ADA) STANDARD WALL-MOUNTED URINAL (W/CARRIER)	3"	2"	INTEGRA	_ 3/4"		17" TO RIM	AMERICAN STANDAF "WASHBROOK"	RD 650	1.511 WHITE		AMERICAN STANDARD	INCLUDED EXPOSED MANUAL FLUSH VALVE	VITREOUS CHINA, 3/4" TOP SPUD, 1.0 GPF FLUSH VALVE
L-1	ADA WALL-MOUNTED LAVATORY	2"	1-1/2"	2"	1/2"	1/2"	TOP RIM 34" MAX	AMERICAN STANDAF "LUCERNE"	RD 035	6.041 WHITE	AMERICAN STANDARD 1340.000		SUPPLY STOP: MCGUIRE 2167LK TRAP: MCGUIRE 8912 W/ CLEANOUT, WATTS LFMMV THERMOSTATIC M.V. SET TO 104-DEG	VITREOUS CHINA, D-SHAPED BOWL, SINGLE CENTER HOLE FOR EXPOSED BRACKET SUPPO 0.5 GPM
WH-1	WALL HYDRANT				3/4"		12" A.F.F	WOODFORD	MB	24BX ROUGH BRASS		BALL VALVE	COMPOSITE BOX, STAINLESS STEEL DOOR, TEE KEE LOCK, METAL WHEEL FAUCET HANDLE	
MS-1	MOP SINK	3"	2"	3"	1/2"	1/2"		FIAT	TSB	C3010 BY ARCH.	FIAT 830-AA		889-CC MOP HANGER 832-AA HOSE AND HOSE BRACKET MSG2424 STAINLESS STEEL WALL GUARDS	24x24 NEO-CORNER MOP SERVICE BASIN. 12" CURBS WITH 6" DROP FRONT CURB. S.S. CAP C DROP FRONT CURB.
FD	FLOOR DRAIN	3"	2"	3"				JOSAM	300	000-S			ADJ. NICKEL BRONZE TOP	CAST-IRON BODY
FO		411	0"	4"				IOCAM	401	2444			ADJ. NICKEL BRONZE TOP	
EWC-1	ADA WALL-MOUNTED ELECTRIC WATER COOLER	2"	1-1/2"	2"	1/2"		ADA ORIFICE HEIGHT 30" OR LESS	ELKAY VRCTLR8SC						SELF CONTAINED, BI-LEVEL, WALL HUNG, REFRIGERATED WATER COOLER, 120V 60 HZ, 7.8 GPH.
2. ALL FIX ⁻ 3. THE HEI 4. SUPPOF 5. SEAL JC 6. REFER ⁻ 7. INSTALL 8. PLUMBI 9. ALL SAN 10. SLEEV 11. VALVE 12. PROVII 13. COORI	TURES SHALL BE PROVIE IGHTS OF FIXTURES SHA RTS SHALL BE PROVIDED DINTS BETWEEN FIXTURE TO SPECIFICATIONS FOF PLUMBING FIXTURES IN NG CONTRACTOR SHALL NITARY, WASTE & WATEF E ALL PIPES PASSING TH S IN CONCEALED PIPING DE AND INSTALL WATER DINATE CARRIER INSTAL	DED WITH ST LL BE AS SC D BY PLUMBI S AND WALI ADDITIONA STRICT ACC SUBMIT SHO SUBMIT SHO PIPING INS IRU FLOORS AND FINAL O HAMMER AF LATION WITH	OPS, PLA HEDULEI NG CONT LS. L INFORM CORDANG OP DRAW TALLED II , WALLS CONNEC [®] RRESTOR H ARCHIT	ACED IN AN D AND/OR D TRACTOR FO MATION SUC CE WITH MA VINGS ON AI NSIDE THE I & DECKS. S TIONS REQU IS ON ALL PI TECTURAL C	ACCESSIBL IRECTED B R ALL WAL H AS FIXTU NUFACTUR L PLUMBIN BUILDING SI LEEVES PAS JIRING ACCI LUMBING FI HASE REQU	E LOCATH A/E PRIC HUNG P RE MODE ER'S REC G FIXTUR HALL BE C SSING TH ESS SHAL KTURES. IREMENT	ON. DR TO INSTALL LUMBING FIXT OMMENDATIO ES, SUPPORT CONCEALED UI RU FIRE STOP L BE PROVIDE	ATION. HANDICAPPED URES. COORDINATE IN G MATERIALS AND INSU NS. S AND ACCESSORIES T NLESS OTHERWISE NC S SHALL BE SEALED & D WITH A METAL ACCE	FIXTURES ISTALLATION RI JLATION RI TO A/E FOR DTED. CAULKED. ESS DOOR SSION.	TO BE MOUNTED AT DN WITH OTHER TRAI EQUIREMENTS. APPROVAL. & FRAME.	HEIGHTS ACCEPTABLE TO LO		ECTIONS AND BE READY FOR OPERATION.	

NUMBER	REVISION	DATE	DRAWN	DESIGNED	REVIEWED	
						1/4
						14



TAG

TAG

SP-1

NOTES:

TAG

2. SUMP PUMP

PLUMBING INSULATION SCHEDULE									
	MINIMUM R-VALUE	THICKNESS / MATERIAL							
F), CONDITIONED		2" THICK PRE-FORMED FIBERGLASS	WITH PVC J						
IED		NOT REQUIRED							
		1-1/2" THICK PRE-FORMED FIBERGLASS	WITH ALUM						

PLUMBING FIXTURE SCHEDULE

14. ALL PIPING BELOW HANDICAPPED FIXTURE SHALL BE PROTECTED AND INSULATED IN ACCORDANCE WITH THE LATEST IBC ACCESSIBILITY CODE.

TATE OF TETAS \star ADLEY W. PERROTT 104514 CONAL ET



Hanson No. 17L00171006 Filename CITY OF KENEDY SPORTS COMPLEX Scale NOT TO SCALE Date 07/12/19

LAYOUT	BWP	07/12/19
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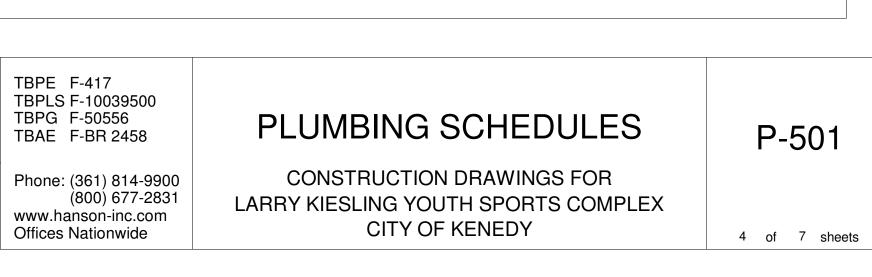
TBPE F-417

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8/6/19

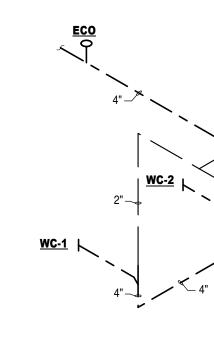
FOOD SERVICE EQUIPMENT SCHEDULE

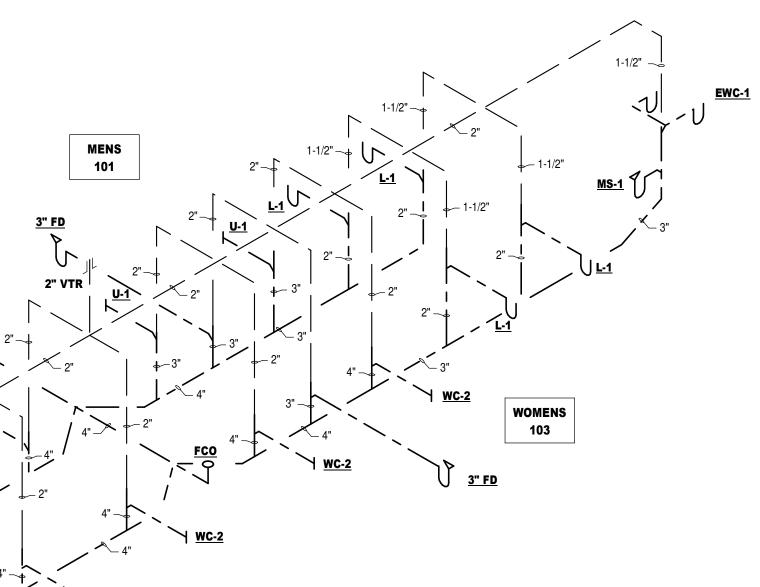
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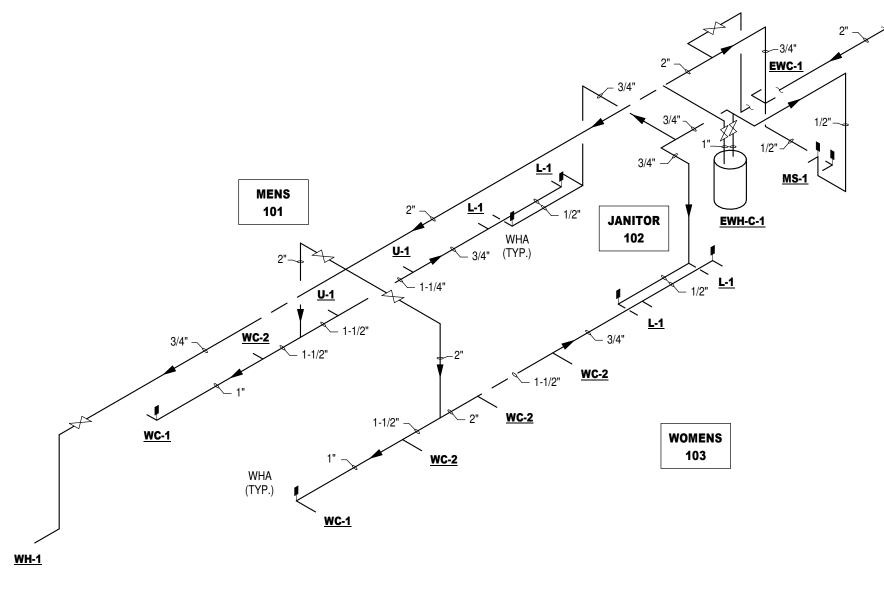
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NUMBER	REVISION	DATE	DRAWN	DESIGNED	REVIEWED















"The Junction Where Good Friends Meet"

Hanson No. 17L00171006 Filename CITY OF KENEDY SPORTS COMPLEX Scale NOT TO SCALE Date 07/12/19

LAYOUT	BWP	07/12/19
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TBPE F-417 TBPLS F-10039500 TBPG F-50556 TBAE F-BR 2458

GENERAL PLUMBING RISER NOTES:

- 1. PROVIDE ACCESS PANELS FOR SHUT-OFF VALVES. LOCATION AS APPROVED BY OWNER/ARCHITECT.
- 2. PROVIDE WATER HAMMER ARRESTORS AT MOST REMOTE FIXTURE ON EACH BRANCH LINE. ARRESTOR SHALL BE ACCESSIBLE FOR MAINTENANCE.

01 BLDG C DOMESTIC WATER RISER SCALE: N.T.S.

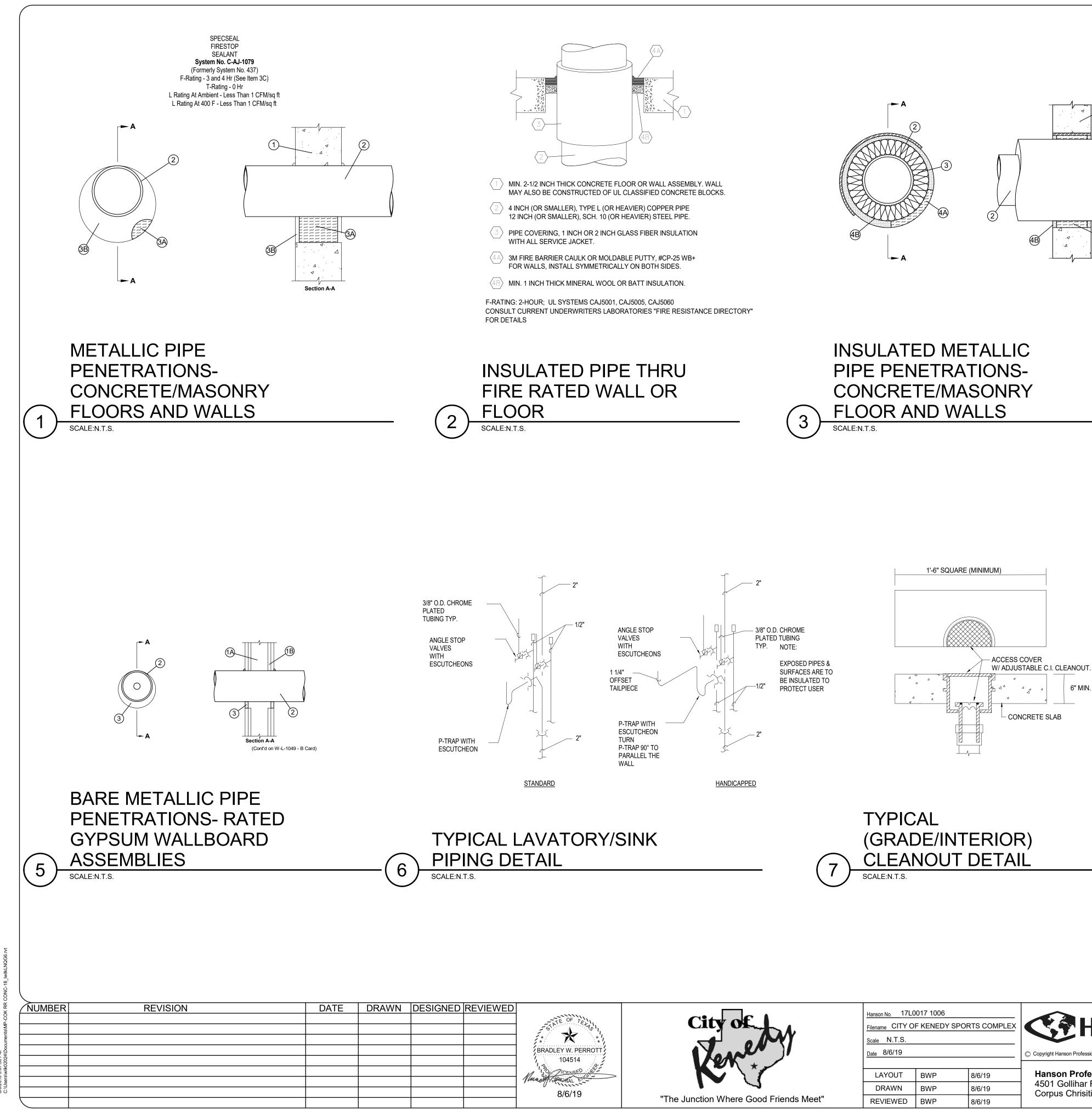
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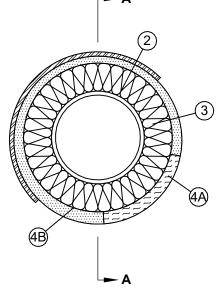
PLUMBING RISERS - BLDG. C

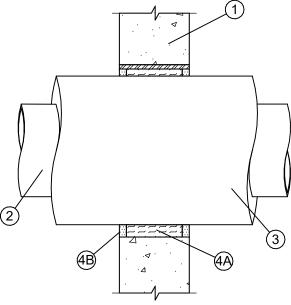
CONSTRUCTION DRAWINGS FOR LARRY KIESLING YOUTH SPORTS COMPLEX CITY OF KENEDY

P-603

7 of 7 sheets







Hanson No. 17L0	017 1006							
Filename CITY OF KENEDY SPORTS COMPLEX								
Scale N.T.S.								
Date 8/6/19								
LAYOUT	BWP	8/6/19						
DRAWN	BWP	8/6/19						

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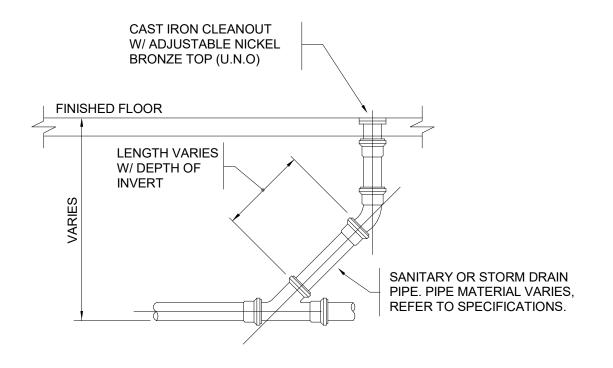
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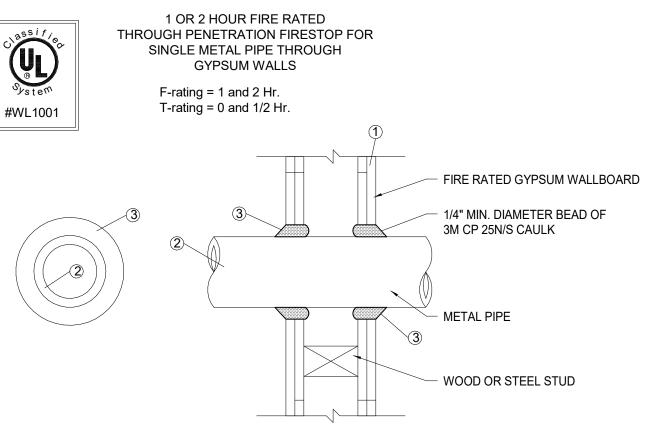
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4



INLINE CLEANOUT DETAIL



(1) 1 OR 2 - HOUR FIRE RATED GYPSUM WALLBOARD/STUD ASSEMBLY

(2) A) STEEL PIPE - 12" DIAM. (OR SMALLER) SCH. 10 (OR HEAVIER) STEEL B) COPPER PIPE - 4" DIAM. (OR SMALLER) TYPE "L" OR HEAVIER

(3) CAULK FILL MATERIAL, COMPLETELY FILL ANNULAR SPACE BETWEEN PIPE AND WALL. CAULK SYMMETRICALLY ON BOTH SIDES OF WALL

RATED WALL PIPING PENETRATION DETAIL

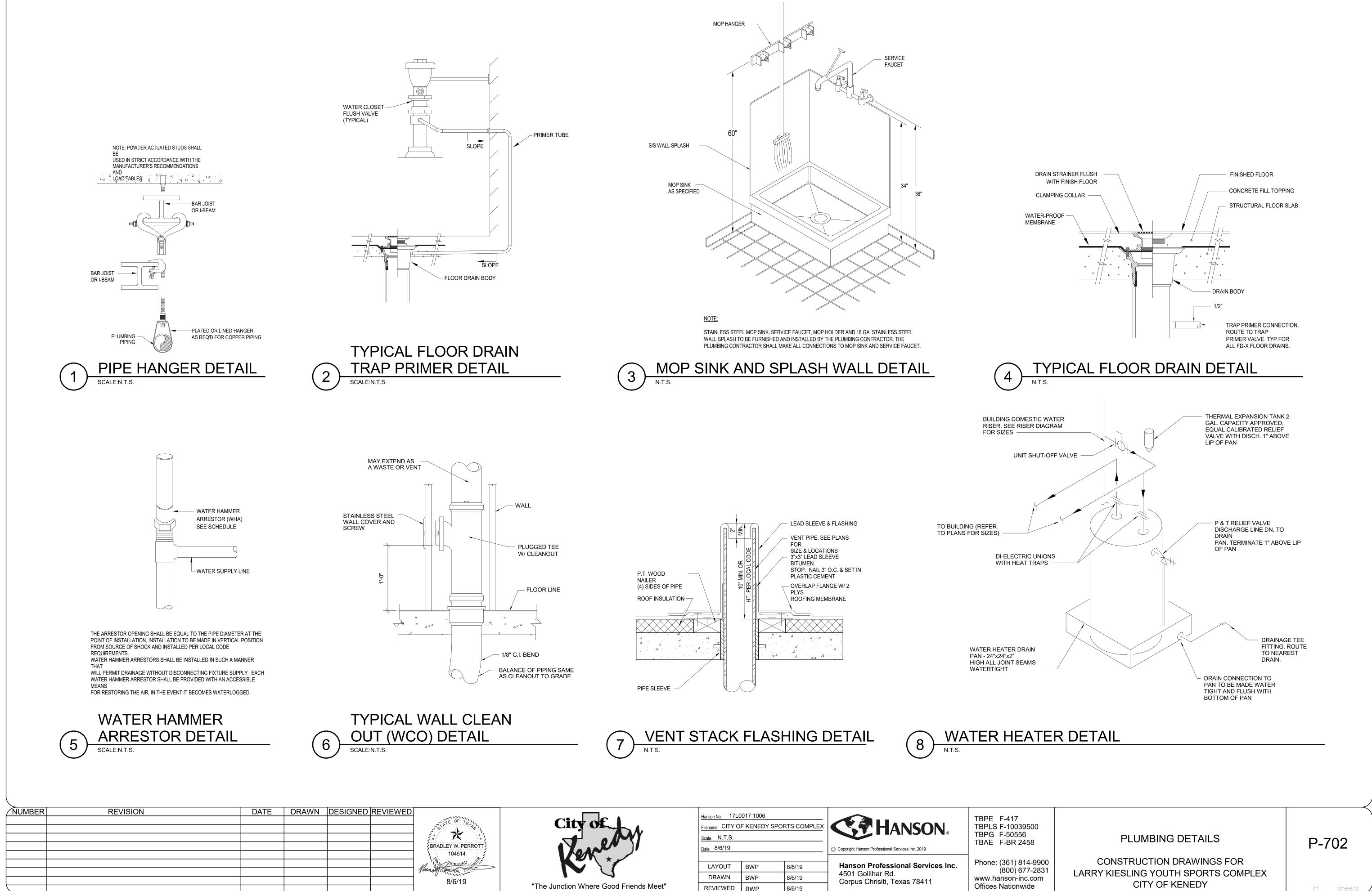
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8

PLUMBING DETAILS

CONSTRUCTION DRAWINGS FOR LARRY KIESLING YOUTH SPORTS COMPLEX CITY OF KENEDY

P-701



The Junction Where Good Friends Me	et"
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Filename CITY O	F KENEDY SPUR	TS COMPLEX	
Scale N.T.S.			
_{Date} 8/6/19			(
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REVIEWED	BWP	8/6/19	

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<u> </u>	ANICAL SYMBOLS (PIPING)	/•	HANICAL SYMBO
<u> </u>	UNION JOINT	OA	OUTDOOR AIR
	FLANGE JOINT	SA	SUPPLY AIR
	"Y" STRAINER	EA	EXHAUST AIR
)	TEE - UP, BRANCH OUT OF TOP	RA	RETURN AIR
÷ -÷-	TEE - DOWN, BRANCH OUT OF BOTTOM	AFF	ABOVE FINISHED FLOOR
0	ELBOW - UP	TDE	TOP DUCT ELEVATION
	ELBOW - DOWN	RBJ	RUN BETWEEN JOIST
ə—	RISE OR DROP	MD	MOTORIZED DAMPER
►	DIRECTION OF FLOW	ACC	AIR COOLED CONDENSER
۱ ۱		РН	PENTHOUSE (INTAKE OR RELIEF)
	SLEEVE THRU WALL	RLFA	RELIEF AIR
	CAP ON END OF PIPE	M	MOTORIZED DAMPER
A	AIR VENT, MANUAL (MAV)	(T)	THERMOSTAT
<u>⊥</u>	THERMOMETER, THERMOMETER WELL	N	NIGHT SETBACK STAT
P_	PRESSURE GAUGE WITH GAUGE COCK	Ĥ	HUMIDISTAT
	PUMP (TRIANGLE POINTS IN DIR. OF FLOW)		VAV BOX TAG
3	FLOW SWITCH		REHEAT OR BOOSTER COIL TAG
P I	PRESSURE SWITCH		CEILING SUPPLY AND RETURN AIR DEVIC
	GATE VALVE		AIR DEVICE DESIGNATION
	CHECK VALVE		DUCT SIZE DESIGNATION. SIDE SHOWN
<u> </u>	AUTOMATIC CONTROL VALVE, PNEUMATIC STRAIGHT THRU OR THREE - WAY AS INDICATED	(OR ØX")	DIMENSION. SIZE SHOWN IS INTERNAL OPENING. SHEET METAL SIZE MUST BE FOR INTERNAL INSULATION, WHERE SPE
	COMBINATION BALANCE & SHUTOFF VALVE WITH PRESSURE TAPS		TURNING VANES (NUMBER OF VANES SH ON ACTUAL DUCT SIZE & NOT ON SCHEM SYMBOL ON DRAWING)
·	BALL VALVE		EXHAUST DUCT
·	PLUG VALVE		RETURN OR OUTSIDE AIR DUCT
₽ <u>+</u>	GAUGE COCK		DISCHARGE OR SUPPLY DUCT
	REDUCED PRESSURE BACK FLOW PREVENTER		FLEXIBLE DUCT CONNECTION
	PRESSURE - TEMPERATURE RELIEF VALVE		
<u>}</u>	PRESSURE REGULATING VALVE (STEAM, AIR & WATER, ARROW POINTS TO LOWER PRESSURE.)		FLEXIBLE DUCT
\geq	VENTURI FLOW MEASURING STATION		VOLUME DAMPER (VD)
** 	FLEXIBLE PIPE CONNECTION		ACCESS PANEL (AP)
<u>) </u>	BUTTERFLY VALVE		ACCESS DOOR (AD)
	SOLENOID VALVE	FS	
RV	PRESSURE RELIEF VALVE TAG		FIRE DAMPER (F) SMOKE DAMPER (S)
		M	
			MOTORIZED DAMPER (ELEC. OR PNEU.)
			INCLINE DROP IN DIRECTION OF ARROW
			INCLINE RISE IN DIRECTION OF ARROW
			TRANSITIONS: GIVE SIZES. FOT = FLAT ON TOP OR

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 \bigstar 04514 CENISED /6/19

LS (HVAC)	MECHANICAL LEGEND (PIPING)	AIR DEVICE LEGEN
	HWS HEATING HOT WATER SUPPLY HWR HEATING HOT WATER RETURN RL REFRIGERATION LIQUID RS REFRIGERATION SUCTION C CONDENSATE WATER SUPPLY CR CONDENSATE WATER RETURN CHWS CHILLED WATER SUPPLY CHWR CHILLED WATER RETURN CD CONDENSATE DRAIN	AIR DEVICE 24x24 DIFFUSERS MARK S3-200 8" NECK SIZE NOTE: FOR 24x24 AIR DEVICES PROVIDE 4-WAY PATTERN UNLESS OTHERWISE SPECIFIED. AIR DEVICE SLOT DIFFUSERS MARK CFM
	MECHANICAL SYMBOLS (GENERAL) x	# OF SLOTS FOR LINEAR DIFFUSERS
ICE N IS FIRST . CLEAR E INCREASED PECIFIED	EQUIPMENT TAGS (XX = MARKS BELOW) AHU = AIR HANDLING UNIT AS = AIR SEPARATOR FCU = FAN COIL UNIT CH = CHILLER CH = CHILLER CT = COOLING TOWER EF = EXHAUST FAN HX = HT. EXCHANGER EF = CHILLER	
SHALL BE BASED	POINT OF DISCONNECT POINT OF CONNECT	
)		
W / E)		





"The Junction Where Good Friends Meet"

Hanson No. 17L0017 1006
Filename CITY OF KENEDY SPORTS COMPLEX
Scale 12" = 1'-0"
 Date 8/6/19

LAYOUT	LW	8/6/19
DRAWN	LW	8/6/19
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GENERAL NOTES

- 1. BEFORE SUBMITTING PROPOSAL, CONTRACTOR SHALL VISIT THOSE PORTIONS OF THE BUILDING AND SITE AFFECTED BY THIS WORK SO AS TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND DIFFICULTIES THAT MAY AFFECT EXECUTION OF THE WORK. SUBMISSION OF A PROPOSAL DENOTES THAT SUCH EXAMINATION HAS BEEN MADE AND CLAIMS FOR LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED MAY NOT BE RECOGNIZED.
- 2. PROVIDE A VOLUME DAMPER AT EVERY BRANCH DUCT LEADING FROM MAIN TRUNK LINES AND AS SHOWN ON THE DOCUMENTS FOR ALL DUCTWORK SYSTEMS. ALL DAMPERS MAY NOT BE SHOWN ON THE DOCUMENTS FOR CLARITY.
- 3. ALL DUCT SIZES INDICATED ON THE DOCUMENTS ARE NET FREE AREA DIMENSIONS.
- 4. CONCEAL ALL PIPING AND DUCT ABOVE CEILING OR IN NEW WALLS. UNLESS SPECIFICALLY NOTED AS EXPOSED OR SURFACE MOUNTED. CONTRACTOR TO TO PAINT ALL EXPOSED PIPING TO MATCH CORRESPONDING EXPOSED AREAS.
- 5. WORK SHALL BE PERFORMED IN COMPLIANCE WITH THE ESTABLISHED WORK SCHEDULE SET FORTH BY OWNER. COORDINATE ALL WORK WITH GENERAL CONTRACTOR.
- 6. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL BE UL LISTED WHERE APPLICABLE.
- 7. PENETRATION OF THE ROOF DECK WILL NOT BE ACCEPTABLE FOR SUPPORT OF DUCTWORK, PIPING EQUIPMENT OR ANY OTHER DEVICES. ALL SUPPORTS SHALL SPAN BETWEEN THE STRUCTURAL ELEMENTS TO SUPPORT THE MECHANICAL EQUIPMENT.
- 8. IN GENERAL, PLANS AND DIAGRAMS ARE SCHEMATIC ONLY AND SHOULD NOT BE SCALED. COORDINATE EXACT LOCATION OF ALL CEILING MOUNTED EQUIPMENT SO ALL SERVICEABLE COMPONENTS CAN BE EASILY ACCESSED. REMOVAL OR RELOCATION OF LIGHTING FIXTURES FOR SERVICE ACCESS IS NOT ACCEPTABLE. THE CONTRACTOR SHALL REINSTALL EQUIPMENT THAT HAS INADEQUATE OR UNSAFE ACCESSIBILITY. LOCATE ALL OTHER EQUIPMENT WITH MANUFACTURER RECOMMENDED ACCESS FOR OPERATION AND MAINTENANCE.
- 9. COMPLY WITH DIVISION 26 OF THE CONTRACT SPECIFICATIONS REFERRING TO MOTORS, STARTERS, VFD'S, ETC.
- 10. WHENEVER A REFERENCE IS MADE TO A STANDARD, THE WORK SHALL COMPLY WITH THE LATEST PUBLISHED EDITION OF THE STANDARD AT THE TIME THE PROJECT IS BID UNLESS OTHERWISE SPECIFIED.
- 11. ALL MATERIAL STORED ON SITE SHALL BE PROPERLY PROTECTED FROM INJURY OR DETERIORATION. MATERIAL SHALL NOT BE STORED IN CONTACT WITH THE GROUND. ALL DUCTWORK AND EQUIPMENT, WHETHER INSTALLED OR NOT, SHALL BE SEALED AT ANY OPENING.
- 12. ALL EXTERNALLY-WRAPPED FIBERGLASS INSULATION SEAMS, CONNECTIONS, AND JOINTS SHALL BE CONSTRUCTED WITH WOVEN POLYESTER FABRIC, STAPLED AND THEN SEALED WITH MASTIC PER SPECIFICATION SECTION 23 07 13. HEAT AND PRESSURE SENSITIVE TAPE ARE NOT ACCEPTABLE AS A FINAL CLOSURE.
- 13. DUCTWORK SHALL BE SHEET METAL, EXTERNALLY WRAPPED UNLESS OTHERWISE NOTED, MIN. 26 GA. AND CONSTRUCTED IN STRICT ACCORDANCE WITH SMACNA STANDARDS.
- 14. ALL HVAC SYSTEMS WITHIN THE SCOPE OF WORK SHALL BE TESTED AND BALANCED BY A LICENSED TAB CONTRACTOR TO PROVIDE MAXIMUM PERFORMANCE WITH REGARDS TO AIRFLOW, TEMPERATURE AND STATIC PRESSURE. REFER TO SPECIFICATIONS FOR TEST AND BALANCE REQUIREMENTS.
- 15. ALL INSULATION USED FOR DUCTWORK SHALL BE INSTALLED THICKNESS REQUIRED BY THE DRAWINGS AND SPECIFICATIONS. INSULATION MATERIAL SHALL MEET NFPA 90A REQUIREMENTS AND SHALL HAVE COMPOSITE FIRE AND SMOKE HAZARD RATING AS TESTED IN ACCORDANCE WITH UL 723 NOT EXCEEDING FLAME SPREAD INDEX OF 25 AND SMOKE DEVELOPED INDEX OF 50. REFER TO SPECIFICATION SECTION 23 07 13.
- 16. ALL WORK SHALL BE IN ACCORDANCE WITH THE CURRENT INTERNATIONAL BUILDING CODE, INTERNATIONAL PLUMBING CODE, AND INTERNATIONAL MECHANICAL CODE & STANDARDS (WITH SUPPLEMENTS) AS REFERENCED THROUGHOUT THE SPECIFICATIONS.
- 17. REFER TO DIVISION 23 SPECIFICATIONS FOR ADDITIONAL INFORMATION AND ALL REQUIREMENTS NOT INDICATED ON THE DRAWINGS. IF THERE ARE ANY APPARENT CONFLICTS BETWEEN THE SPECIFICATIONS AND DRAWINGS, THE MORE STRINGENT REQUIREMENTS SHALL APPLY.
- 18. ALL EQUIPMENT AND PIPING SHALL HAVE IDENTIFICATION LABELS AND TAGS PER SPECIFICATION SECTION 23 05 53.

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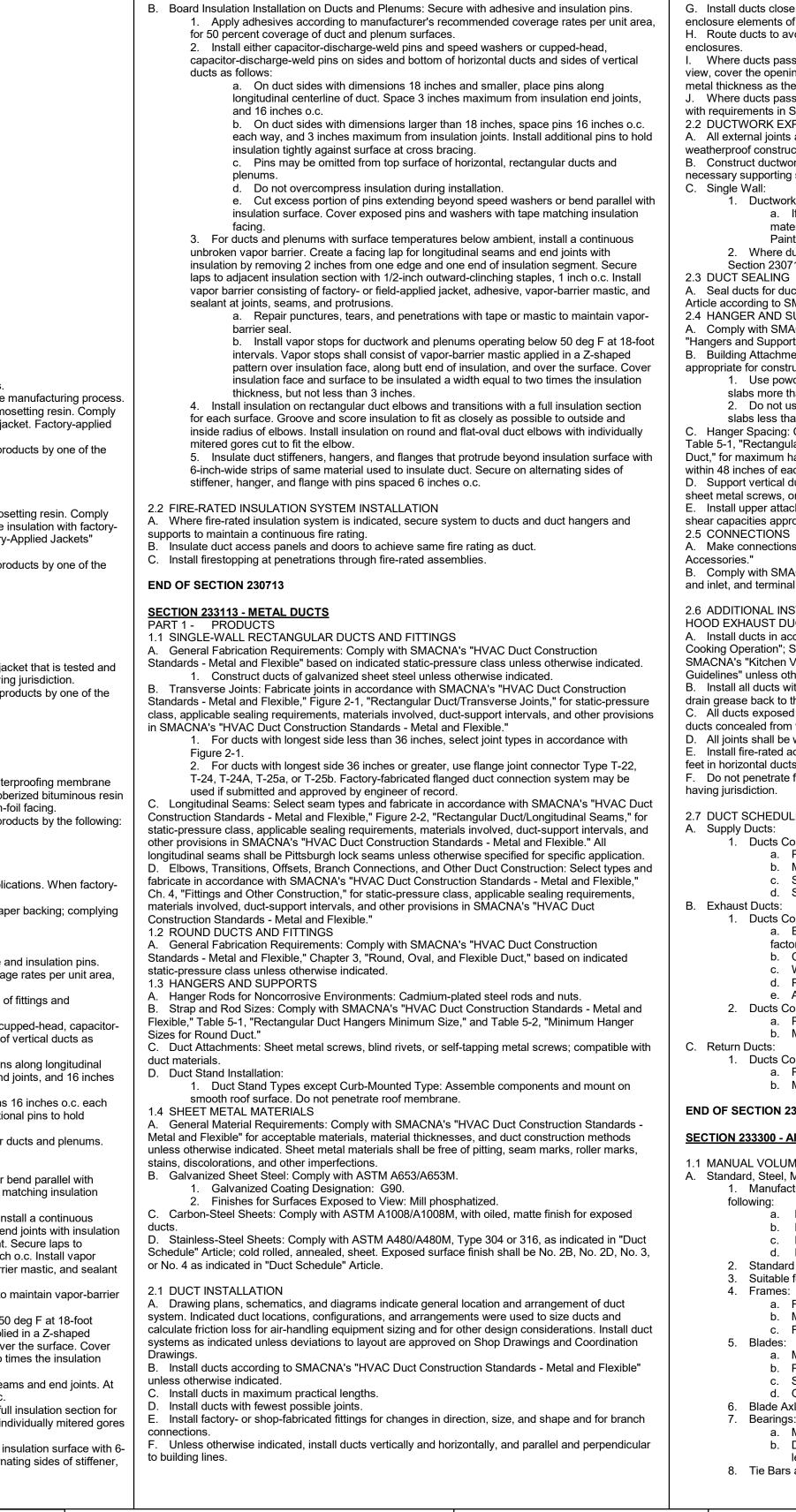
MECHANICAL NOTES, LEGENDS, AND ABBREVIATIONS

CONSTRUCTION DRAWINGS FOR LARRY KIESLING YOUTH SPORTS COMPLEX CITY OF KENEDY

M-001

SECTION 230553 - IDENTIFICATION FOR HVAC EQUIPMENT			(Indicated and Ace	tual Values):		
 A. Plastic Labels for Equipment: 1. Material and Thickness: Multilayer, multicolor, plastic labels for mechanical engraving, 	,	b. Ai	rflow rate in cfm. r velocity in fpm.			
1/16 inch thick, and having predrilled holes for attachment hardware.2. Letter Color: White.		d. Er e. Le	ntering-air temper aving-air temper	ature in deg F.		
 Background Color: Black. Maximum Temperature: Able to withstand temperatures up to 160 deg F. 		g. Ar	oltage at each con nperage for each	phase.		
5. Minimum Label Size: Length and width vary for required label content, but not less than		a. Ai	(Indicated and Ac rflow rate in cfm.	tual Values):		
 2-1/2 by 3/4 inch. 6. Minimum Letter Size: 1/4 inch for name of units if viewing distance is less than 24 inches, 1/2 inch for viewing distances up to 72 inches, and proportionately larger lettering 		c. Pr		rate as needed in		
for greater viewing distances. Include secondary lettering two-thirds to three-quarters the size of principal lettering.		e. Fi	nal airflow rate in		n.	
 Fasteners: Stainless-steel rivets. Adhesive: Contact-type permanent adhesive, compatible with label and with substrate 			nal velocity in fpm pace temperature			
 B. Label Content: Include equipment's Drawing designation or unique equipment number, Drawing numbers where equipment is indicated (plans, details, and schedules), and the 		1. Report Dat		1 make		
Specification Section number and title where equipment is specified. C. Equipment Label Schedule: For each item of equipment to be labeled, on 8-1/2-by-11-inch	1	b. Se	erial number.	i mako.		
bond paper. Tabulate equipment identification number, and identify Drawing numbers where equipment is indicated (plans, details, and schedules) and the Specification Section number		d. Da	ates of use. ates of calibration			
and title where equipment is specified. Equipment schedule shall be included in operation and maintenance data.	END C	F SECTION 230	593			
D. Clean equipment surfaces of substances that could impair bond of identification devices, including dirt, oil, grease, release agents, and incompatible primers, paints, and encapsulants.	<u>SECTI</u>	<u>ON 230713 - DU</u>	CT INSULATION	<u>I</u>		
 E. Install or permanently fasten labels on each major item of mechanical equipment. F. Locate equipment labels where accessible and visible. Also affix label to ceiling grid. 	1.1 IN	SULATION MATI	ERIALS			
END OF SECTION 230553					r mercury compounds. C blowing agents in the manufactur	rina
SECTION 230593 - TESTING, ADJUSTING, AND BALANCING FOR HVAC	C. Mi	neral-Fiber Blank	et Insulation: Min	eral or glass fibe	rs bonded with a thermosetting res n factory-applied FSK jacket. Facto	sin.
1.1 QUALITY ASSURANCE		requirements are	specified in "Fac	tory-Applied Jack		•
 A. TAB Specialists Qualifications: Certified by AABC. 1. TAB Field Supervisor: Employee of the TAB specialist and certified by AABC. 		following:	-	Berkshire Hathawa		-
2. TAB Technician: Employee of the TAB specialist and certified by AABC as a TAB technician.		b. Kr c. Ov	nauf Insulation. wens Corning.			
B. Examine the Contract Documents to become familiar with Project requirements and to discover conditions in systems designs that may preclude proper TAB of systems and aquinement	with AS	STM C612, Type	IA or Type IB. Fo	or duct and plenur	bonded with a thermosetting resin n applications, provide insulation w	with
equipment. C. Examine the approved submittals for HVAC systems and equipment.	Article.				re specified in "Factory-Applied Ja	
1.2 GENERAL PROCEDURES FOR TESTING AND BALANCING		following:	-	Berkshire Hathawa	equirements, provide products by o	one
A. Perform testing and balancing procedures on each system according to the procedures contained in AABC's "National Standards for Total System Balance" and in this Section.		b. Kr	nauf Insulation.		ay company.	
1.3 GENERAL PROCEDURES FOR BALANCING AIR SYSTEMS	1.2 FI		LATION SYSTEI	MS		
A. Prepare test reports for both fans and outlets. Obtain manufacturer's outlet factors and					et insulation with FSK jacket that is	
recommended testing procedures. Cross-check the summation of required outlet volumes with required fan volumes. B. Check dampers for proper position to achieve desired airflow path.	certine				able to authorities having jurisdictic equirements, provide products by c	
 C. Check for airflow blockages. D. Verify that air duct system is sealed as specified in Section 233113 "Metal Ducts." 		a. 3N	/l. ertainTeed Corpo	ration.		
1.4 PROCEDURES FOR CONSTANT-VOLUME AIR SYSTEMS		c. Jo	hns Manville; a E	Berkshire Hathawa	ay company.	
A. Adjust fans to deliver total indicated airflows within the maximum allowable fan speed listed by fan manufacturer.	d A. Se		oor Jacket: 60-m		d vapor barrier and waterproofing m	
1. Measure total airflow. a. Where duct conditions allow, measure airflow by Pitot-tube traverse. If		osslaminated pol	yethylene film co	vered with stucco	ors; consisting of a rubberized bitur p-embossed aluminum-foil facing. equirements, provide products by th	
necessary, perform multiple Pitot-tube traverses to obtain total airflow. b. Where duct conditions are not suitable for Pitot-tube traverse			blyguard Products		quirements, provide products by tr	
measurements, a coil traverse may be acceptable. c. If a reliable Pitot-tube traverse or coil traverse is not possible, measure	1.4 FA	CTORY-APPLIE	D JACKETS			
airflow at terminals and calculate the total airflow. 2. Measure fan static pressures as follows:		l jackets are indic	ated, comply with	h the following:	ackets on various applications. Wh	
 a. Measure static pressure directly at the fan outlet or through the flexible connection. b. Measure static pressure directly at the fan inlet or through the flexible 		with ASTM C 1	136, Type II.	-	ced scrim with kraft-paper backing;	ј; со
connection. c. Measure static pressure across each component that makes up the air-			MINERAL-FIBE		Secure with adhesive and insulation	ion r
handling system. d. Report artificial loading of filters at the time static pressures are		1. Apply adhe	sives according		recommended coverage rates per	
measured. 3. Review Record Documents to determine variations in design static pressures					cts and to all surfaces of fittings an	۱d
versus actual static pressures. Calculate actual system-effect factors. Recommend adjustments to accommodate actual conditions.	d	discharge-weld			nd speed washers or cupped-head ontal ducts and sides of vertical du	
4. Do not make fan-speed adjustments that result in motor overload. Consult equipment manufacturers about fan- speed safety factors. Modulate dampers and measure fan-motor amperage to ensure that no overload occurs. Measure					and smaller, place pins along long	
amperage in full-cooling, full-heating, economizer, and any other operating mode to determine the maximum required brake horsepower.		0.C.			num from insulation end joints, and In 18 inches, place pins 16 inches (
 B. Adjust volume dampers for main duct, submain ducts, and major branch ducts to indicated airflows. 	b	way, a	nd 3 inches maxi		tion joints. Install additional pins to	
 Measure airflow of submain and branch ducts. Adjust submain and branch duct volume dampers for specified airflow. 		c. Pins m	ay be omitted fro		horizontal, rectangular ducts and p	olen
 Re-measure each submain and branch duct after all have been adjusted. Adjust air inlets and outlets for each space to indicated airflows. 		f. Cut ex	cess portion of pi		ond speed washers or bend paralle	
 Set airflow patterns of adjustable outlets for proper distribution without drafts. Measure inlets and outlets airflow. Adjust each inlet and outlet for specified airflow. 		facing.			and washers with tape matching ins	
 Adjust each inlet and outlet for specified annow. Re-measure each inlet and outlet after they have been adjusted. 		unbroken vapo	r barrier. Create a	a facing lap for lor	tures below ambient, install a conti ngitudinal seams and end joints wit d of insulation segment. Secure lap	ith ir
1.5 TOLERANCES		adjacent insula	tion section with	1/2-inch outward-	clinching staples, 1 inch o.c. Install t, adhesive, vapor-barrier mastic, a	ll va
 A. Set HVAC system's airflow rates and water flow rates within the following tolerances: 1. Air Outlets and Inlets: Plus or minus 10 percent. 		at joints, seams	s, and protrusions	S	s with tape or mastic to maintain va	
1.6 FINAL REPORT					ums operating below 50 deg F at 1	
A. Electric-Coil Test Reports: For electric furnaces, duct coils, and electric coils installed in central-station air-handling units, include the following:		patterr	over insulation f	ace, along butt er	por-barrier mastic applied in a Z-sh nd of insulation, and over the surfa ad a width equal to two times the in	ace.
1. Unit Data: a. System identification.		thickne	ess, but not less t	han 3 inches.	ches on longitudinal seams and end	
b. Location. c. Coil identification.		end joints, secu 6. Install insu	ure with steel ban lation on rectang	ds spaced a max ular duct elbows a	timum of 18 inches o.c. and transitions with a full insulation	ı se
 d. Capacity inkW. e. Number of stages. f. Connected volts, phase, and hertz. 		cut to fit the elb	OW.		oval duct elbows with individually m	
f. Connected volts, phase, and hertz. g. Rated amperage. h. Airflow rate in cfm.		inch-wide strips	of same materia		that protrude beyond insulation su e duct. Secure on alternating sides	
i. Face area in sq. ft j. Minimum face velocity in fpm.		nanyer, and lia	nge with pins spa	งอน บ แทยท ย ร 0.C.		
	DATE	DRAWN	DESIGNED	REVIEWED		T
					STATE OF TETTO	
					BRADLEY W. PERROTT	
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MECHANICALS SPECIFICATION





Filename CITY O	F KENEDY SPO	RTS COMPLEX	CST HANSO
Scale			
Date 8/6/19			© Copyright Hanson Professional Services Inc. 2019
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DRAWN	LW	8/6/19	4501 Gollihar Rd. Corpus Chrisiti, Texas 78411
REVIEWED	BWP	8/6/19	

lanson No. 17L0017 1006

G. Install ducts close to walls, overhead construction, columns, and oth enclosure elements of building.

H. Route ducts to avoid passing through transformer vaults and electric . Where ducts pass through non-fire-rated interior partitions and exter

view, cover the opening between the partition and duct or duct insulation metal thickness as the duct. Overlap openings on four sides by at least Where ducts pass through fire-rated interior partitions and exterior w with requirements in Section 233300 "Air Duct Accessories" for fire and s 2.2 DUCTWORK EXPOSED TO WEATHER A. All external joints are to have secure watertight mechanical connecti

weatherproof construction. B. Construct ductwork to resist external loads of wind, snow, ice, and o

necessary supporting structures. C. Single Wall: 1. Ductwork shall be galvanized steel.

a. If duct outer surface is uninsulated, protect outer su

materials and application requirements are specified in Painting."

2. Where ducts have external insulation, provide weatherproof Section 230713 "Duct Insulation."

2.3 DUCT SEALING

A. Seal ducts for duct static-pressure, seal classes, and leakage classe Article according to SMACNA's "HVAC Duct Construction Standards - M 2.4 HANGER AND SUPPORT INSTALLATION

A. Comply with SMACNA's "HVAC Duct Construction Standards - Meta "Hangers and Supports."

B. Building Attachments: Concrete inserts, powder-actuated fasteners. appropriate for construction materials to which hangers are being attached 1. Use powder-actuated concrete fasteners for standard-weigh

slabs more than 4 inches thick. 2. Do not use powder-actuated concrete fasteners for lightwei

slabs less than 4 inches thick.

C. Hanger Spacing: Comply with SMACNA's "HVAC Duct Construction Table 5-1, "Rectangular Duct Hangers Minimum Size," and Table 5-2, "M Duct," for maximum hanger spacing; install hangers and supports within within 48 inches of each branch intersection.

D. Support vertical ducts with steel angles or channel secured to the sid sheet metal screws, or blind rivets; support at each floor and at a maximum E. Install upper attachments to structures. Select and size upper attach shear capacities appropriate for supported loads and building materials v

A. Make connections to equipment with flexible connectors complying Accessories."

B. Comply with SMACNA's "HVAC Duct Construction Standards - Met and inlet, and terminal unit connections.

2.6 ADDITIONAL INSTALLATION REQUIREMENTS FOR TYPE 1 COM HOOD EXHAUST DUCT

A. Install ducts in accordance with NFPA 96, "Ventilation Control and F Cooking Operation"; SMACNA's "HVAC Duct Construction Standards -SMACNA's "Kitchen Ventilation Systems and Food Service Equipment I Guidelines" unless otherwise indicated.

B. Install all ducts without dips and traps that may hold grease, and slop drain grease back to the hood.

C. All ducts exposed to view shall be constructed of stainless steel as ducts concealed from view shall be [stainless] [carbon] steel as per "Du D. All ioints shall be welded and shall be telescoping, bell, or flange join E. Install fire-rated access panel assemblies at each change in direction feet in horizontal ducts, and at every floor for vertical ducts, or as indicate

F. Do not penetrate fire-rated assemblies except as allowed by application having jurisdiction.

2.7 DUCT SCHEDULE

- 1. Ducts Connected to Constant-Volume Air-Handling Units: a. Pressure Class: Positive 2-inch wg.
 - b. Minimum SMACNA Seal Class: B.
 - c. SMACNA Leakage Class for Rectangular: 2. d. SMACNA Leakage Class for Round and Flat Oval:

B. Exhaust Ducts: 1. Ducts Connected to Commercial Kitchen Hoods: Comply w

- a. Exposed to View: Type 304, stainless-steel sheet, factory-built engineered grease duct.
- b. Concealed: Carbon-steel sheet.
- c. Welded seams and joints.
- d. Pressure Class: Positive or negative 3-inch wg.
- e. Airtight/watertight. 2. Ducts Connected to Air-Handling Units:
- a. Pressure Class: Positive or negative 2-inch wg (50 b. Minimum SMACNA Seal Class: A
- C. Return Ducts: 1. Ducts Connected to Fan Coil Units, Furnaces, Heat Pumps, a. Pressure Class: Positive or negative 1-inch wg (25) b. Minimum SMACNA Seal Class: A.

END OF SECTION 233113

SECTION 233300 - AIR DUCT ACCESSORIES

1.1 MANUAL VOLUME DAMPERS

A. Standard, Steel, Manual Volume Dampers: 1. Manufacturers: Subject to compliance with requirements, pr

- following:
 - McGill AirFlow LLC.
 - Nailor Industries Inc. Pottorff.
 - d. Ruskin Company.
- Standard leakage rating.
- Suitable for horizontal or vertical applications. 4. Frames:
 - a. Frame: Hat-shaped, 0.094-inch-thick, galvanized s b. Mitered and welded corners.
- c. Flanges for attaching to walls and flangeless frame 5. Blades:
- a. Multiple or single blade.
- b. Parallel- or opposed-blade design. c. Stiffen damper blades for stability.
- d. Galvanized-steel, 0.064 inch thick.
- Blade Axles: Galvanized steel.
- 7. Bearings: a. Molded synthetic.

b. Dampers in ducts with pressure classes of 3-inch v length of damper blades and bearings at both ends 8. Tie Bars and Brackets: Galvanized steel.

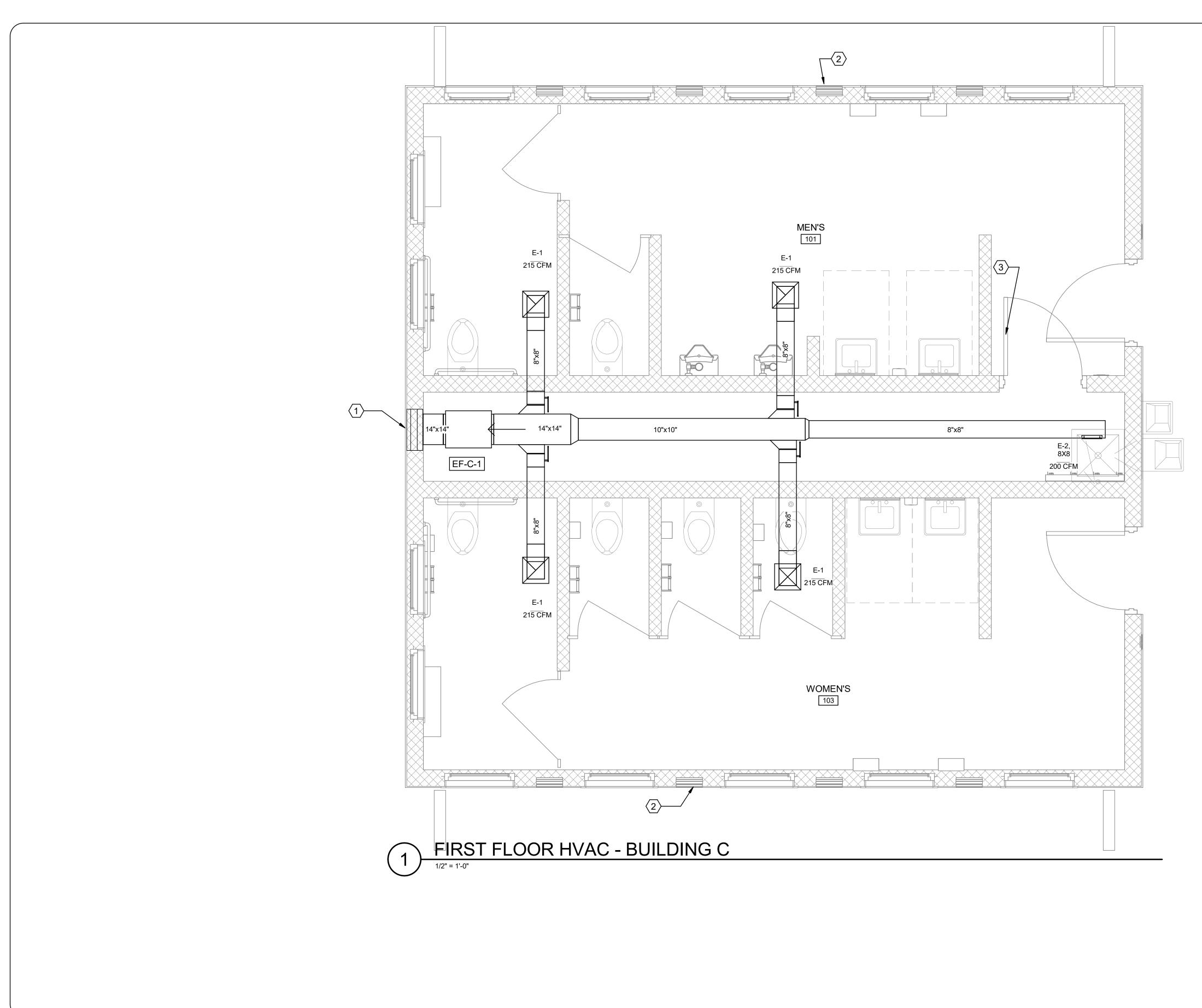
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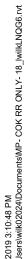
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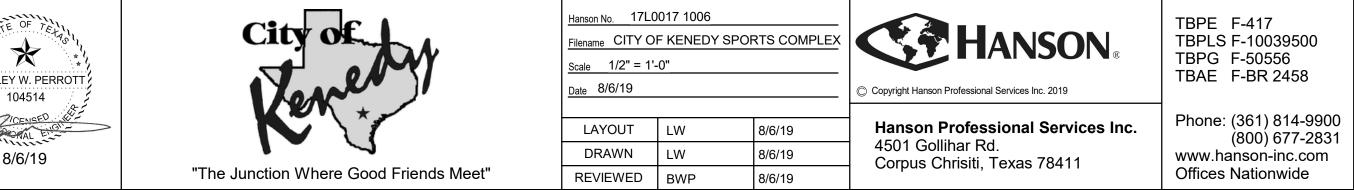
"The Junction Where Good Friends Meet"

is, and other structural and perma	anent B. Jackshaft:	
nd electrical equipment rooms an		ssembly mounted on supports at
and exterior walls and are exposinsulation with sheet metal flange		kage of each damper in multiple-
y at least 1-1/2 inches. exterior walls, install fire dampers	C. Damper Hardware:	inch-thick zinc-plated steel, and a
r fire and smoke dampers.	3/4-inch hexagon locking nut.2. Include center hole to suit damper operating-rod size.	
al connections. Seal all openings t		
ice, and other effects of weather.	. Provide 1.2 FLEXIBLE CONNECTORS A. Manufacturers: Subject to compliance with requirements, provide pro- 1. Ductmate Industries, Inc.	ducts by one of the following:
ct outer surface with suitable pain	2. Duro Dyne Inc.	
pecified in Section 099113 "Exteri	ior 4. Ventfabrics, Inc. B. Materials: Flame-retardant or noncombustible fabrics.	
atherproof aluminum jacket. See	D. Metal-Edged Connectors: Factory fabricated with a fabric strip 3-1/2 in	
age classes specified in "Duct Sc ndards - Metal and Flexible."	chedule" of 2-3/4-inch-wide, 0.028-inch-thick, galvanized sheet steel or 0.032-inch- metal compatible with connected ducts. E. Indoor System, Flexible Connector Fabric: Glass fabric double coated	
ards - Metal and Flexible," Chapte	1. Minimum Weight: 26oz./sq. yd.	-
fasteners, or structural-steel faste	3. Service Temperature: Minus 40 to plus 200 deg F.	J. J
ing attached. dard-weight aggregate concretes		
or lightweight-aggregate concrete	es or for Standards - Metal and Flexible" for metal ducts and in NAIMA AH116, "Fit Standards," for fibrous-glass ducts. ASHRAE/IESNA 90.1-2004 in Section 6.4.3.3.3 - "Shutoff Damper Contro	
onstruction Standards - Metal and ble 5-2, "Minimum Hanger Sizes	Flexible," dampers and requires control dampers for certain applications.	
orts within 24 inches of each elbo		2 .
d to the sides of the duct with wel t a maximum intervals of 16 feet.	Coordinate subparagraphs below with Section 233113 "Metal Ducts."	
per attachments with pull-out, ten materials where used.	nsion, and 1. Install steel volume dampers in steel ducts. C. Set dampers to fully open position before testing, adjusting, and balar D. Install flexible connectors to connect ducts to equipment.	icing.
omplying with Section 233300 "Ai		al units to metal duct.
ards - Metal and Flexible" for bran	nch, outlet END OF SECTION 233300	
PE 1 COMMERCIAL KITCHEN		
ntrol and Fire Protection of Comm andards - Metal and Flexible"; and	,	the following:
uipment Fabrication and Installat		laminate supported by belically
e, and sloped a minimum of 2 per	rcent to 1. Pressure Rating: 10-inch wg positive and 1.0-inch wg negative	r film.
s steel as per "Duct Schedule" Art as per "Duct Schedule" Article.	ticle. All 2. Maximum Air Velocity: 4000 fpm. 3. Temperature Range: Minus 20 to plus 210 deg F.	
flange joint as per NFPA 96. in direction and at maximum inter		
as indicated on Drawings. by applicable building codes and a	authorities 1.2 FLEXIBLE DUCT CONNECTORS A. Clamps: Stainless-steel band with cadmium-plated hex screw to tight in sizes 3 through 18 inches, to suit duct size.	ten band with a worm-gear actior
	 B. Non-Clamp Connectors: Adhesive plus sheet metal screws. C. Indoor System, Flexible Connector Fabric: Glass fabric double coated 	l with neoprene.
ng Units:	 Minimum Weight: 26 oz./sq. yd Tensile Strength: 480 lbf/inch in the warp and 360 lbf/inch in the warp an	
<u>,</u>	 Service Temperature: Minus 40 to plus 200 deg F. D. Outdoor System, Flexible Connector Fabric: Glass fabric double coate 	ed with weatherproof, synthetic
r: 2. Flat Oval: 2.	rubber resistant to UV rays and ozone. 1. Minimum Weight: 24 oz./sq. yd 2. Tensile Strength: 530 lbf/inch in the warp and 440 lbf/inch in t	the filling
Comply with NFPA 96. eel sheet, No. 4 finish or double-w	3. Service Temperature: Minus 50 to plus 250 deg F.	ine minig.
	Connector fabric in "Outdoor System, Flexible Connector Fabric" Paragra to sun, weather, and system temperatures from minus 10 to plus 250 deg	
ch wg.	2.1 INSTALLATION	
ch wg (500 Pa).	A. Install flexible ducts according to applicable details in SMACNA's "HV Standards - Metal and Flexible" for metal ducts and in NAIMA AH116, "Fit	
	Standards," for fibrous-glass ducts. B. Install in indoor applications only. Flexible ductwork should not be exp	
eat Pumps, and Terminal Units: ch wg (250 Pa).	paragraph below to allow use of flexible duct to connect terminal units to n C. Connect diffusers or light troffer boots to ducts with maximum 60-inch	
	or strapped in place. D. Connect flexible ducts to metal ducts with adhesive plus sheet metal s E. Install duct test holes where required for testing and balancing purpos	
	F. Installation: 1. Install ducts fully extended.	
	 Do not bend ducts across sharp corners. Bends of flexible ducting shall not exceed a minimum of one 	
ements, provide products by one		
	 G. Supporting Flexible Ducts: 1. Suspend flexible ducts with bands 1-1/2 inches wide or wider inches apart. Maximum centerline sag between supports shall no 	
	 Install extra supports at bends placed approximately one duc bend. 	
	Ducts may rest on ceiling joists or truss supports. Spacing be the maximum spacing per manufacturer's written installation instr	
vanized sheet steel.	END OF SECTION 233346	
ess frames for installing in ducts.		
of 3-inch wg or less shall have ax both ends of operating shaft.	des full	
TBPE F-417 TBPLS F-10039500		
TBPG F-50556 TBAE F-BR 2458	MECHANICAL SPECIFICATIONS	
ι υτις τη τοτις 2400		M-002
Phone: (361) 814-9900 (800) 677-2831	CONSTRUCTION DRAWINGS FOR	
www.hanson-inc.com Offices Nationwide	LARRY KIESLING YOUTH SPORTS COMPLEX CITY OF KENEDY	of sheets
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GENERAL	SHEET NOTES
PROVIDE A VOLUME DAMPER AT	EVERY BRANCH DUCT I FADING FROM MAIN

- PROVIDE A VOLUME DAMPER AT EVERY BRANCH DUCT LEADING FROM MA TRUNK LINES FOR ALL LOW-PRESSURE DUCTWORK SYSTEMS, WHETHER SHOWN OR NOT ON THE DRAWINGS. NOT ALL DAMPERS MAY BE SHOWN ON THE DRAWINGS FOR CLARITY.
- 2. ALL OUTSIDE AIR LOUVERS SHALL BE PROVIDED WITH 3/4" X 3/4" REMOVABLE BIRD SCREEN AND REMOVABLE FILTERS IN A FILTER RACK. THIS SHALL BE INSTALLED IN A CHANNEL AND SHALL BE EASILY REMOVED. SCREWED BIRD SCREEN TO THE LOUVER IS NOT ACCEPTABLE. INSECT SCREENS ARE NOT PERMITTED.
- 3. FULLY COORDINATE WITH THE ARCHITECTURAL REFLECTED CEILING PLANS FOR DIFFUSER LOCATIONS PRIOR TO INSTALLATION.

SHEET KEYNOTES

- $\left< \frac{1}{1} \right>$ 1.5 SF FREE AREA EXHAUST LOUVER.
- 2 MAKEUP AIR VENTS FOR RESTROOM EXHAUST. REFER TO ARCHITECTURAL DRAWINGS.
- $\left< \frac{3}{3} \right>$ 24 X 24 DOOR GRILLE.

FIRST FLOOR HVAC - BUILDING C

CONSTRUCTION DRAWINGS FOR LARRY KIESLING YOUTH SPORTS COMPLEX CITY OF KENEDY

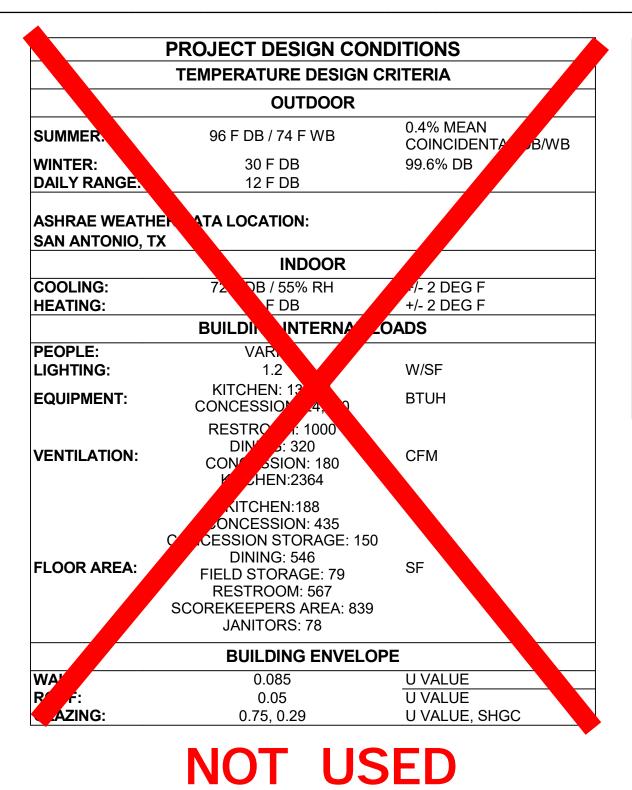
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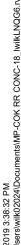
					R SUPPLY	 FAN					
TAG	SERVICE	TYPE	SUPPLY CFM	OUTSIDE AIR CFM	ESP (IN WC)	ESP (IN WC)	Впг	ELEC HP	PHASE	TOTAL CAP.	EI (AI
OAU-A-1	RESTROOM/CONCESSION BLDG	DIRECT DRIVE	1450	1450	0.5	0.65	0.21	1	208/3	119.6	12

NOTES:

1. PROVIDE UNIT WITH SINGLE POINT ELECTRICAL CONNECTION AND FACTORY-PROVIDED COMBINATION DISCONNECT/VFD. VFD USED FOR BALANCING PUT 2. INTERNAL STATIC PRESSURE INCLUDES ALLOWANCE FOR DIRTY FILTER LOADING.

- 3. PROVIDE MODULATING HOT GAS REHEAT COIL CAPABLE OF SUPPLYING 70-DEG NEUTRAL AIR.
- 4. FAN BRAKE HORSEPOWER SHALL NOT EXCEED 85% OF THE MOTOR HORSEPOWER
- 5. PROVIDE WITH PREWIRED 115 VOLT GFCI SERVICE RECEPT
- DAMPER SHALL BE 2-POSITION. 6. PROVIDE MOTORIZED DAMPEDS
- 7. PROVID AIR SENSOR.





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TAG	LOCATION	SERVICE	CAPACITY (CFM)	ESP (IN WG)	MOTOR HP	FAN RPM	VOLTS / PHASE	FAN TYPE	MANUFACTURER	MODEL	NOTES
			1 050	0.25	1/2	1 1 1 1	115/1		CDEENUECK	CO 120 V/C	126
/ -			_,			_,				-	<i>, ,</i>
	RESTROOM/CONCESSION DEDG	JANTON	150	0.25	35 11	1,240	115/1	CEILING CADINET FAN	OREENHEOK	007 / 100	1,2,3,1
EF A O	RESTROOM/CONCESSION DLDC		200	0.25	- 00 W	000	115/1		CDEENWECK		1,2,4,5
			700	0.05	110	4 550	1 A E 1A	CENTRIELICAL INJUNE DIRECT RRIVE	CDEENUECK		122
	SWITCH RESTROOM CONCESSION DEDG		, 20	0.20	-/ 0	-,000					-,-,-
EF-C-1	RESTROOM BLDG	RESTROOMS	1,060	0.25	2-Jan	1,118	115/1	CENTRIFUGAL INLINE DIRECT DRIVE	GREENHECK	SQ-120-VG	1,2,3

NOTES: 1. PROVIDE BACKDRAFT DAMPER.

2. PROVIDE MANUFACTURER'S FAN SPEED CONTROLLER. MOUNT CONTROLLER ABOVE CEILING.

3. FAN SHALL BE CONTROLLED WITH TIMED DELAY OCCUPANCY SENSOR. COORDINATE WITH ELECTRICAL CONTRACTOR. FAN SHALL CONTINUE TO OPERATE 15 MIN. AFTER BEING UNOCCUPIED.

4. PROVIDE MANUFACTURER'S DESIGNER GRILLE.

- 5. PROVIDE LINE VOLTAGE THERMOSTAT.
- 6. INTERLOCK WITH OUTDOOR AIR UNIT.

ΡΔΟΚΔGED 100% ΟΔ ΠΝΙΤ SCHEDI ΙΙ Ε

			 РА 		GE	υ.																					
ER	COOL	ING	REFRIG.	CONI	DENSE	er fai	N DATA		COMP	RESSOR DA	ΑΤΑ		ELEC. HEAT	TING DAT	A			F	ILTER		UNIT EI	FCTPICA				UNIT OPERATING	
AHRI TED)	EAT (DEG F)	LAT (DEC DB	ТҮРЕ			ELA	VOLT/PH	NO.	STEPS	VOLT/PH	RLA (EACH)	HEATING AIRFLOW (CFM)		LAT (DEG F)		VOLT	STERS		EFF.	VOLT PHAS		A MCA	MOCP	MANUFACTURER	MODEL	WEIGHT (LBS)	NOTES
2.4	96.0 /		P 410a	2	1 4	4.2	208/3	1	INF.	208/3	16.1	1450			20	208/3	3	MERV 8	. 30%	208/	3 69.	5 86.9	90	TRANE	OADG010A1	3,027	1,2,3,4,5,6,7

NOT USED

			AI	R DEVI	CE SCHEDULE						
	USAGE	FACE SIZE	NECK SIZE	FRAME	PATTERN	MAX. APD	MAXIMUM	MATERIAL	FINISH	MANUFACTURER -	NOTES
	USAGE	(IN.)	(IN.)		FAITERIN	(IN. WG)	NC	MATERIAL	TINISIT	MODEL	NOTES
-1- 2-1	CEILING SUFFEI DITTOSEN	24724	JEE FLANS		JUU DEG	0.1	20	ALONINON	VVIIII L	THUS TWIS AA	1, 2, 3
52	CEILING SUPPLI DIFFUSER	12//12	SEEPLANS	L/(// //	300 DEG	0.1	20			TITUS THIS AM	1, 2, 3
E-1	CEILING EXHAUST GRILLE	12X12	SEE PLANS	LAY-IN	35 DEG	0.1	20	ALUMINUM	WHITE	TITUS - 350FL	1, 2, 3
E-2	WALL-MOUNT EXHAUST GRILLE	SEE PLANS	SEE PLANS	FLUSH	35 DEG	0.1	20	ALUMINUM	WHITE	TITUS - 350FL	1, 2, 3
		21/21			EGO CRATE	0.1	20				1.2.2
											_, _, _

NOTES:

REFER TO SPECIFICATION SECTION 230000 FOR ADDITIONAL MANUFACTURERS.

PROVIDE APPROPRIATE FRAME/BORDER/FLANGE FOR PROPER MOUNTING. REFER TO THE ARCHITECTURAL DRAWINGS FOR SURFACES IN WHICH GRILLES, REGISTERS AND DIFFUSERS ARE LOCATED.

BRANCH DUTWORK TO AIR DEVICE INLETS SHALL MATCH THEIR INLET SIZE UNLESS OTHERWISE NOTED.

	HVA
DUCTWORK (CONCEALED 1 14)	
SUPPLY AC UNIT TO TERMINAL:	
RETURN AIR DUCTWORK:	
RETURN PLENUM:	
OUTSIDE AIR DUCT:	
EXHAUST DUCTWORK - KITCHEN HOOD	
DUCTWORK (EXPOSED EXTERIOR)	
SUPPLY AC UNIT TO TERMINAL:	
REFRIGERANT PIPING	
SUCTION:	
LIQUID:	
HOT GAS:	
HYDRO MING	
JENSATE DRAIN: ALL SIZES	

NOT USED





Junction W	/here Good	Friends	Meet"
-	-		

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Date 8/6/19			C
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DRAWN	LW	8/6/19	
REVIEWED	BWP	8/6/19	

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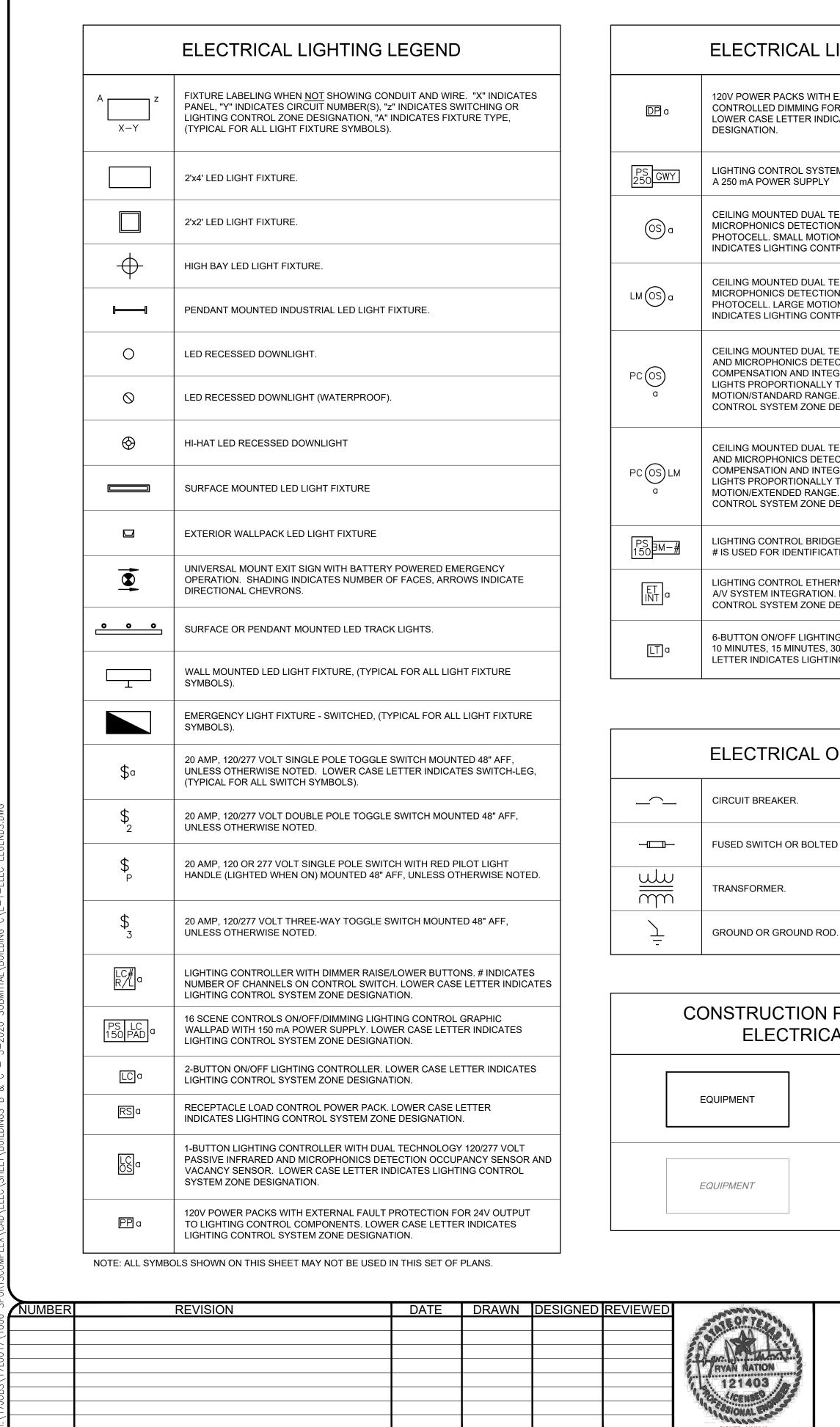
NIMUM R-VALUE	THICKNESS / MATERIAL	NOTES
R-6	2" THICK EXTERNALLY-WRAPPED	
R-4.2	2" THICK EXTERNALLY-WRAPPED	
R-6	2" THICK RIGID FIBER BOARD	
R-6	2" THICK RIGID FIBER BOARD	
	2 LAYERS OF 3M FIREWRAP PERCENCE AHJ	
R-8	THICK RIGID FIBER BOARD	WITH EITHER ALUMINUM SHEET METAL OR POLYGUARD MEMBRANE
	UP TO 3/4": 3/4" CLOSED CELL ELASTOM	WITH ALUMINUM JACKET FOR EXTERIOR PIPING AND ACKETING FOR INTERIOR CONCEALED PIPING
	NOT REQUIRED	
	UP TO 2": 3/4" CLOSED CELL ELASTOMERIC	WITH ALUMINUM STOR EXTERIOR PIPING
	1/2" CLOSED CELL ELASTOMERIC	

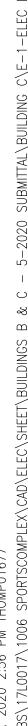
BPE F-417 BPLS F-10039500 BPG F-50556 BAE F-BR 2458

SCHEDULES

CONSTRUCTION DRAWINGS FOR LARRY KIESLING YOUTH SPORTS COMPLEX CITY OF KENEDY

M-601







ELECTRICAL LIGHTING LEGEND

120V POWER PACKS WITH EXTERNAL FAULT PROTECTION AND OCCUPANCY CONTROLLED DIMMING FOR 24V OUTPUT TO LIGHTING CONTROL COMPONENTS. LOWER CASE LETTER INDICATES LIGHTING CONTROL SYSTEM ZONE

LIGHTING CONTROL SYSTEM GATEWAY WITH SENSORVIEW SOFTWARE AND

CEILING MOUNTED DUAL TECHNOLOGY 120/277 VOLT PASSIVE INFRARED AND MICROPHONICS DETECTION OCCUPANCY SENSOR WITH INTEGRATED ON/OFF PHOTOCELL. SMALL MOTION/STANDARD RANGE. LOWER CASE LETTER INDICATES LIGHTING CONTROL SYSTEM ZONE DESIGNATION.

CEILING MOUNTED DUAL TECHNOLOGY 120/277 VOLT PASSIVE INFRARED AND MICROPHONICS DETECTION OCCUPANCY SENSOR WITH INTEGRATED ON/OFF PHOTOCELL. LARGE MOTION/EXTENDED RANGE. LOWER CASE LETTER INDICATES LIGHTING CONTROL SYSTEM ZONE DESIGNATION.

CEILING MOUNTED DUAL TECHNOLOGY 120/277 VOLT PASSIVE INFRARED AND MICROPHONICS DETECTION OCCUPANCY SENSOR WITH DAYLIGHT COMPENSATION AND INTEGRATED ON/OFF PHOTOCELL. PHOTOCELL TO DIM LIGHTS PROPORTIONALLY TO ROOM LIGHTING LEVELS. SMALL MOTION/STANDARD RANGE. LOWER CASE LETTER INDICATES LIGHTING CONTROL SYSTEM ZONE DESIGNATION.

CEILING MOUNTED DUAL TECHNOLOGY 120/277 VOLT PASSIVE INFRARED AND MICROPHONICS DETECTION OCCUPANCY SENSOR WITH DAYLIGHT COMPENSATION AND INTEGRATED ON/OFF PHOTOCELL. PHOTOCELL TO DIM LIGHTS PROPORTIONALLY TO ROOM LIGHTING LEVELS. LARGE MOTION/EXTENDED RANGE. LOWER CASE LETTER INDICATES LIGHTING CONTROL SYSTEM ZONE DESIGNATION.

LIGHTING CONTROL BRIDGE MODULE WITH 150 mA POWER SUPPLY. # IS USED FOR IDENTIFICATION. (TYPICAL FOR ALL BRIDGE MODULES)

LIGHTING CONTROL ETHERNET AND CONTROL INTERFACE TOUCH PANEL FOR A/V SYSTEM INTEGRATION. LOWER CASE LETTER INDICATES LIGHTING CONTROL SYSTEM ZONE DESIGNATION.

6-BUTTON ON/OFF LIGHTING TIMER CONTROLLER WITH 2 MINUTES, 5 MINUTES, 10 MINUTES, 15 MINUTES, 30 MINUTES, AND 60 MINUTES BUTTONS. LOWER CASE LETTER INDICATES LIGHTING CONTROL SYSTEM ZONE DESIGNATION.

ELECTRICAL ONE-LINE LEGEND

FUSED SWITCH OR BOLTED PRESSURE SWITCH.

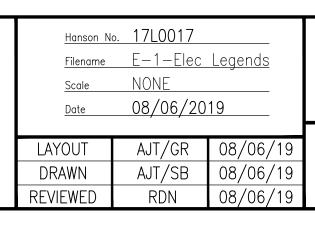
CONSTRUCTION PHASE LEGEND FOR ELECTRICAL DRAWINGS

Г	NEW EQUIPMENT
Τ	EXISTING EQUIPMENT



X Y,Y,Y	HOMERUN TO PANEL. "X" INDICATES PANEL, "Y" INDICATES CIRCUIT NUMBER(S).
	CONDUIT RUN CONCEALED IN WALL OR CEILING.
/# <u></u>	CONDUIT RUN CONCEALED IN OR UNDER FLOOR SLAB.
	CONDUIT RUN EXPOSED.
	LONG SLASHES INDICATE NEUTRAL, SHOT SLASHES INDICATE HOT OR SWITCHED LEG, LONG SLASHES WITH DOT INDICATE GROUND.
X-Y P	RECEPTACLE LABELING WHEN <u>NOT</u> SHOWING CONDUIT AND WIRE. "X" INDICATES PANEL, "Y" INDICATES CIRCUIT NUMBER(S), (TYPICAL FOR ALL POWER SYMBOLS).
φ	20 AMP, 125 VOLT SINGLE RECEPTACLE, MOUNTING HEIGHT PER SPEC. UNLESS OTHERWISE NOTED.
Ψ	20 AMP, 125 VOLT DUPLEX RECEPTACLE, MOUNTING HEIGHT PER SPEC. UNLESS OTHERWISE NOTED.
+	20 AMP, 125 VOLT DOUBLE DUPLEX RECEPTACLE, MOUNTING HEIGHT PER SPEC. UNLESS OTHERWISE NOTED.
•	20 AMP, 125 VOLT DUPLEX RECEPTACLE MOUNTED ABOVE COUNTERTOP 42"± AFF, UNLESS OTHERWISE NOTED.
P	20 AMP, 125 VOLT SWITCHED RECEPTACLE, MOUNTING HEIGHT PER SPEC. UNLESS OTHERWISE NOTED.
P	20 AMP, 125 VOLT EMERGENCY POWER RECEPTACLE, MOUNTING HEIGHT PER SPEC. UNLESS OTHERWISE NOTED.
\square	20 AMP, 125 VOLT SINGLE RECEPTACLE IN A ONE-GANG FULLY ADJUSTABLE CAST IRON FLOOR BOX, BRASS CARPET FLANGE AND BRASS COVER PLATE WITH SCREW PLUGS.
	20 AMP, 125 VOLT DUPLEX RECEPTACLE IN A ONE-GANG FULLY ADJUSTABLE CAST IRON FLOOR BOX, BRASS CARPET FLANGE AND BRASS COVER PLATE WITH SCREW PLUGS.
	20 AMP, 125 VOLT DOUBLE DUPLEX RECEPTACLE IN A TWO-GANG FULLY ADJUSTABLE CAST IRON FLOOR BOX, BRASS CARPET FLANGE AND BRASS COVER PLATE WITH SCREW PLUGS.
Ψ×	SINGLE SPECIAL PURPOSE RECEPTACLE. MOUNTING HEIGHT PER SPEC. UNLESS OTHERWISE NOTED. "X" INDICATES NEMA CONFIGURATION, SEE TABLE ON DRAWINGS.
	20 AMP, 125 VOLT DUPLEX RECEPTACLE AND ONE COMMUNICATIONS OUTLET (TYPE AS INDICATED) IN A TWO-GANG FULLY ADJUSTABLE CAST IRON FLOOR BOX, BRASS CARPET FLANGE AND BRASS COVER PLATE WITH SCREW PLUGS.
	20 AMP, 125 VOLT DOUBLE DUPLEX RECEPTACLE AND ONE COMMUNICATIONS OUTLET (TYPE AS INDICATED) IN A THREE-GANG FULLY ADJUSTABLE CAST IRON FLOOR BOX, BRASS CARPET FLANGE AND BRASS COVER PLATE WITH SCREW PLUGS.
	SURFACE MOUNTED POWER OR APPLIANCE PANELBOARD.
\mathbf{X}	MOTOR OUTLET, "X" INDICATES ESTIMATED HORSEPOWER.
PB	PULL BOX.
СР	CONTROL PANEL.
Т	TRANSFORMER
\$ MS	MANUAL MOTOR STARTER

ELECTRICAL POWER LEGEND





Hanson Professional Services Inc. 4501 Gollihar Rd. Corpus Chrisiti, Texas 78411

TBPE F-417 TBPLS F-10039500 TBPG F-50556 TBAE F-BR 2458

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	ELECTRICAL POWER LEGEND
Ū	JUNCTION BOX MOUNTED IN OR ABOVE CEILING.
J	FLOOR MOUNTED JUNCTION BOX.
Q	WALL MOUNTED JUNCTION BOX, MOUNTING HEIGHT PER SPEC. UNLESS OTHERWISE NOTED.
0 _P	JUNCTION BOX MOUNTED ABOVE CEILING FOR MODULAR FURNITURE POWER POLE. COORDINATE EXACT LOCATION WITH OWNER/ARCHITECT PRIOR TO INSTALLATION.
<u>100A</u> XX	NONFUSED DISCONNECT SWITCH. AMP SIZE, POLES AND ENCLOSURE AS INDICATED. "WP" INDICATES WEATHERPROOF NEMA 3R ENCLOSURE.
<u>100A</u> 80A ∑J WP	FUSED DISCONNECT SWITCH. AMP SIZE, POLES, FUSING AND ENCLOSURE AS INDICATED. "WP" INDICATES WEATHERPROOF NEMA 3R ENCLOSURE.
EPO	EMERGENCY POWER OFF SWITCH. MUSHROOM HEAD PUSH BUTTON, TWIST & PULL TO RESET.



	COMMUNICATIONS LEGEND
	COMMUNICATIONS OUTLET, WALL MOUNT 18" AFF, UON. 4 PORT FACE PLATE WITH 2 ACTIVE PORTS AND PROVISIONS FOR 2 FUTURE PORTS
▼	COMMUNICATIONS OUTLET, WALL MOUNT 18" AFF, UON. 4 PORT FACE PLATE WITH 4 ACTIVE PORTS
₩	WALL TELEPHONE COMMUNICATIONS OUTLET, MOUNT 48" AFF. SINGLE PORT FACEPLATE WITH PROVISIONS FOR WALL TELEPHONE INSTRUMENT MOUNTING

ELECTRICAL LEGENDS

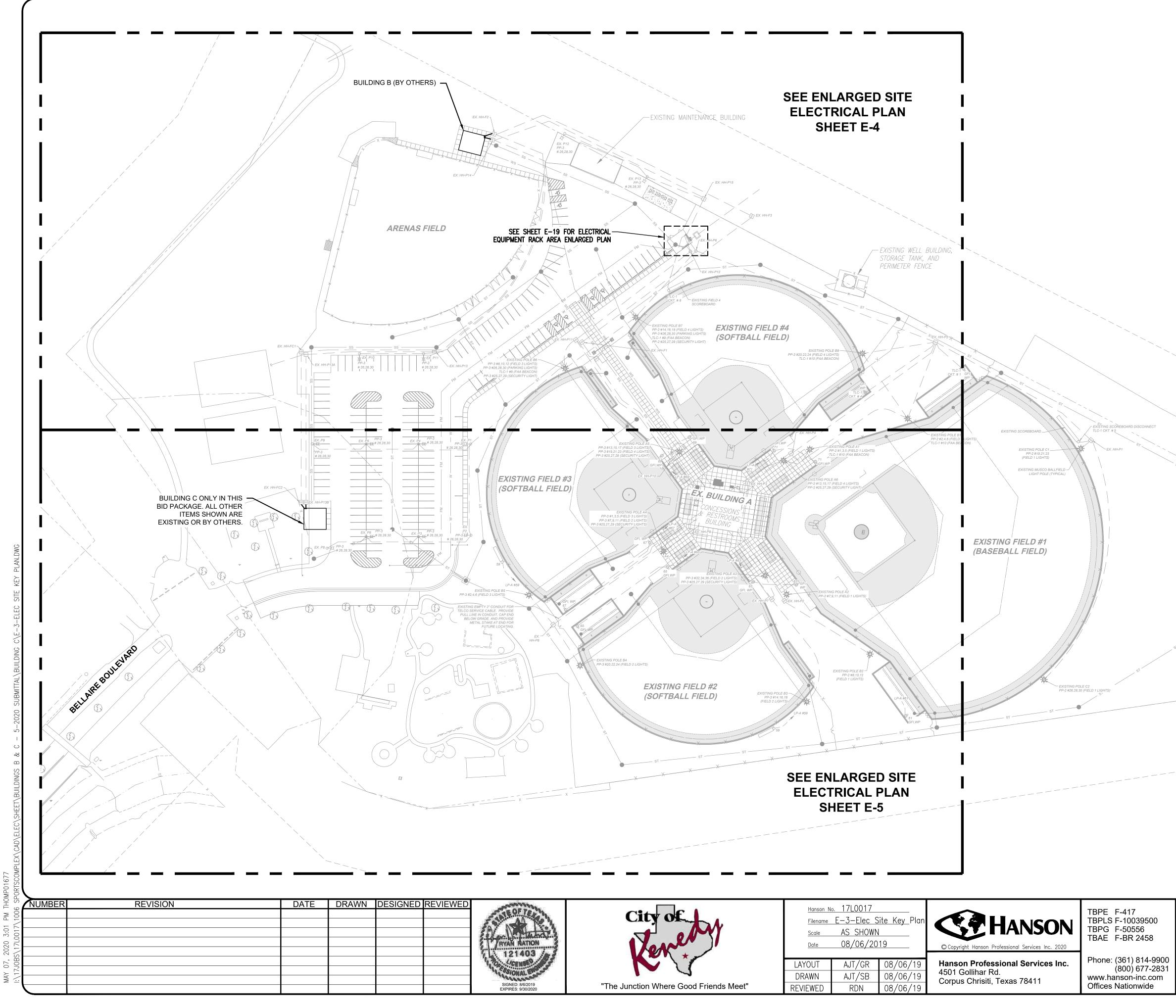


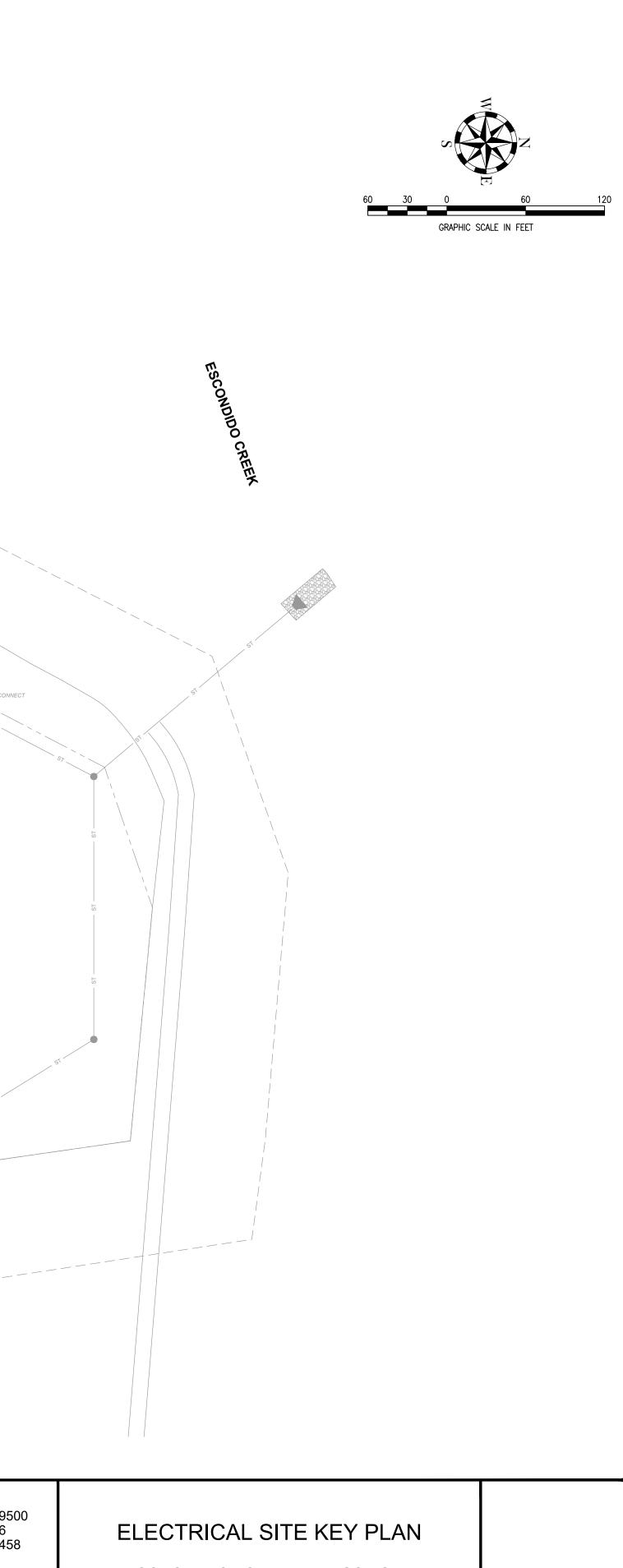
		ELECTRICAL GENERAL NC	DTES					El	ECTRICAL GENERAL NOTES (CONT.)				E
	1.	THE DRAWINGS AND APPLICABLE SPECIFICATIONS SHALL BE CONSIDERED ARE CONSIDERED THE "CONTRACT DOCUMENTS." ALL WORKMANSHIP, ME IMPLIED BY ONE AND NOT DESCRIBED OR IMPLIED BY THE OTHER SHALL B	ETHODS, AND/O BE PROVIDED, F	R MATERIALS DE URNISHED, OR P	SCRIBED OR ERFORMED			ETWEEN THIS REQUIRI	IN LENGTH SHALL BE #10 AWG CU. CONDUCTOF MENT AND CONDUCTOR SIZES INDICATED ELSE			WHERE	@ A/C AC A/E	AT AIR CONDITIONING ALTERNATING CURRENT ARCHITECT/ENGINEER
		AS IF IT HAD APPEARED IN BOTH SECTIONS. THE TERM "CONTRACT DOCU SOLELY TO THE ELECTRICAL PORTION OF THE DRAWINGS AND SPECIFICA AND SPECIFICATIONS OF ALL DIVISIONS AS A WHOLE.					,	ETWEEN THIS REQUIRI	" IN LENGTH SHALL BE #10 AWG CU. CONDUCTC MENT AND CONDUCTOR SIZES INDICATED ELSE			WHERE	AFD AFF AFG	ADJUSTABLE FREQUENCY DRIVE ABOVE FINISHED FLOOR ABOVE FINISHED GRADE AUTHORITY HAVING JURISDICTION
	2.	WHERE A DISCREPANCY OR CONFLICT IS FOUND BETWEEN ONE DRAWING AND APPLICABLE SPECIFICATIONS, THE CONTRACTOR SHALL NOTIFY THE CONTRACTOR SHALL NOT PROCEED WITH THAT PORTION OF THE WORK U RETURNED. IN GENERAL, THE MOST STRINGENT REQUIREMENT SHALL GO	A/E IMMEDIATE	LY IN WRITTEN F	ORM. S BEEN		,		CH CIRCUIT SHALL NOT EXCEED 3%. VOLTAGE I ENTS, THE CONTRACTOR SHALL INCREASE THE				AHU AIC AL AM	AIR HANDLER UNIT AMPS INTERRUPTING CAPACITY ALUMINUM AMMETER
	3.	CONFLICTS WITH APPLICABLE CODES, WHEREIN THE CODE SHALL GOVER THE DRAWINGS ARE DIAGRAMMATIC AND ARE NOT INTENDED TO SHOW E MATERIALS AND EQUIPMENT, OR EXACT LOCATIONS, ROUTING, ETC. THE	VERY DETAIL OF					STRUCTURAL PORTIO	TIONS THROUGH FLOORS, WALLS, CEILINGS AN IS OF THE CONTRACT DOCUMENTS, FIELD CONI HT.				AMP ANSI ATS AWG	AMPERE AMERICAN NATIONAL STANDARDS IN AUTOMATIC TRANSFER SWITCH AMERICAN WIRE GAUGE
		THE ASSEMBLAGE OF SEVERAL SYSTEMS FOR A COMPLETE AND OPERATI THE CONTRACT DOCUMENTS. COORDINATE EXACT EQUIPMENT LOCATION STRUCTURAL PORTIONS OF THE CONTRACT DOCUMENTS, AS WELL AS FIE DRAWINGS, AND WORK OF ALL OTHER DIVISIONS/TRADES.	NS WITH THE AF	RCHITECTURAL A	ND		THE U.L. ASSEMBLY A	ND RACEWAYS INVOLV) FLOOR, WALL, CEILING, OR ROOF, FIRESTOPPI ED. OR EXCAVATION, SAW CUTTING, DIRECTIONAL BI			ITS FOR	BB B&CB BKR BLDG BMS	BLOWER BUILDING BLOWER AND CHLORINE BUILDING BREAKER BUILDING BUILDING MANAGEMENT SYSTEM
	4.	THE TERM "PROVIDE" USED IN THE CONTRACT DOCUMENTS INDICATES TH INSTALL MATERIALS, INCLUDING ALL COST FOR SHIPPING, UNLOADING, ST ANCHORING, ETC. REQUIRED FOR CORRECT INSTALLATION OF A COMPLET	ORAGE, UNPAC	KING, ERECTION	l,		RESTORATION, REPAIL	R OF FINISHES, ETC. TH LOCATE, IDENTIFY, PR	AT IS REQUIRED IN ORDER TO MEET THE PROJE	ECT REQUIREMENTS.			BMS BPS BTU BTUH	BOILDING MANAGEMENT SYSTEM BOLTED PRESSURE SWITCH BRITISH THERMAL UNITS BRITISH THERMAL UNITS PER HOUR CONDUIT
		OTHERWISE.	,					THE ELECTRICAL SYS	EM LOCATED OUTDOORS OR INDOORS WHERE		T MOISTURE SHALL BE		CB CBM CD	CIRCUIT BREAKER CERTIFIED BALLAST MANUFACTURER CANDELA
	5.	UNLESS NOTED AS EXISTING, ALL ELECTRICAL INDICATED IN THE CONTRA U.L. LISTED, AND SHALL BEAR A U.L. LABEL. WHERE NO U.L. LABEL OR LIST LISTED WITH AN APPROVED, NATIONALLY RECOGNIZED ELECTRICAL TEST LISTING IS AVAILABLE FOR MATERIAL, TEST DATA SHALL BE SUBMITTED TO	TING IS AVAILAB ING AGENCY. <i>V</i> O THE A/E AS EV	LE THE MATERIA VHERE NO LABEI VIDENCE THAT TH	AL SHALL BE LING OR HE MATERIAL			THE ELECTRICAL SYS	HER INDICATED ON CONTRACT DOCUMENTS OF EM LOCATED IN A HAZARDOUS (CLASSIFIED) LC CUMENTS OR NOT.		VED FOR USE IN SAID LC	OCATION	CFM CHH CI&S CKT	CUBIC FEET PER MINUTE CONTROL HANDHOLE COMPLETE INTEGRATION AND SERVIC CIRCUIT
		MEETS OR EXCEEDS AVAILABLE STANDARDS. EQUIPMENT SHALL BE INST. INSTRUCTIONS INCLUDED IN THE LISTING OR LABELING.	ALLED AND USE	D IN ACCORDAN	CE WITH ANY				UIRED BY THE CONTRACT DOCUMENTS SHALL I EMENT OF WORK. AVOID INTERFERENCES WITH			2	C/L CLG COMP	CENTER LINE CEILING COMPRESSOR
	6.	ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH LATEST EDITION ALL APPLICABLE LOCAL CODES, ORDINANCES AND ALL REQUIREMENTS OF (AHJ), AS A MINIMUM.					30. COORDINATE THE EXA	CT LOCATIONS OF ALI	DEVICES (RECEPTACLES, TELECOMMUNICATIO RK SHOP DRAWINGS, AND FIELD CONDITIONS.			THE	COND CONN CONT CRAC	CONDUIT CONNECTION CONTINUOUS COMPUTER ROOM AIR CONDITIONING
	7.	THE CONTRACTOR SHALL PROVIDE EXPERIENCED, QUALIFIED, AND RESPORT REQUIRED BY THE CONTRACT DOCUMENTS. ALL ELECTRICAL EQUIPMENT WORKMANLIKE MANNER, TO THE SATISFACTION OF THE A/E AND OWNER. FIRST-CLASS MANNER.	SHALL BE INST	ALLED IN A NEA	Γ AND		SHOP DRAWINGS). TH BREAKERS, CONTROL	E CONTRACTOR SHAL CIRCUITS, CONTROL 1	ALL MECHANICAL (DIVISION 22 & 23) EQUIPMEN PROVIDE ALL RACEWAYS, CONDUCTORS, BOXI RANSFORMERS, FIRE ALARM SHUTDOWN, ETC. I F ALL MECHANICAL EQUIPMENT PRIOR TO COM	ES, EQUIPMENT, DISCONN REQUIRED FOR A COMPLE	ECT SWITCHES, CIRCUIT	т	CRI CT CTR CU CW	COLOR RENDERING INDEX CURRENT TRANSFORMER COUNTER COPPER OR CONDENSER UNIT COLD WATER
	8.	THE CONTRACTOR SHALL CARRY ALL INSURANCE REQUIRED TO PROTECT DAMAGE FOR THE DURATION OF THIS PROJECT.	T AGAINST PUBL	IC LIABILITY AND) PROPERTY		32. THE USE OF ALUMINU OR UNLESS A/E AND C	,	WAYS, BOXES, BUSSING, WINDINGS, ETC. ARE F EN PERMISSION.	PROHIBITED UNLESS SPEC	IFICALLY NOTED OTHER	RWISE,	DB DC DISC	DIRECT BURIED DIRECT CURRENT DISCONNECT
	9.	THE CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSH OF NOT LESS THAN ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE BY AT NO ADDITIONAL COSTS, SHALL PROVIDE THE CORRECTION OF ANY DEF	THE A/E AND O	WNER. THE CO	NTRACTOR,				ING (ENT), AND LIQUIDTIGHT FLEXIBLE NONMET SS A/E AND OWNER GRANTS WRITTEN PERMISS		E PROHIBITED UNLESS		DISC SW DN DPST DS	DISCONNECT SWITCH DOWN DOUBLE POLE SINGLE THROW DISCONNECT SWITCH
	10.	THE CONTRACTOR SHALL INCLUDE ALL COSTS ASSOCIATED WITH PERMIT AND TEMPORARY POWER IN HIS PROPOSAL, UNLESS SPECIFICALLY NOTE	, ,	EES, INSPECTION	IS, TESTING		34. ALL FEEDER AND BRA UNLESS SPECIFICALLY		ORS, INCLUDING LOW VOLTAGE SYSTEMS, SHA	ALL BE INSTALLED IN A CO	MPLETE RACEWAY SYST	EM	EA ECB EC	EACH ENCLOSED CIRCUIT BREAKER ELECTRICAL CONTRACTOR
	11.	THE CONTRACTOR SHALL VISIT AND CAREFULLY EXAMINE THOSE PORTIO	NS OF THE BUIL						GROUND SHALL BE GALVANIZED RIGID STEEL (F JIT ABOVE GRADE IS NOT ACCEPTABLE.	RGS) WITH BITUMASTIC CO	DATING FOR AT LEAST TH	HE FINAL	EDH EF ELEV EMS	ELECTRIC DUCT HEATER EXHAUST FAN ELEVATION OR ELEVATOR ENERGY MANAGEMENT SYSTEM
		BY THIS WORK PRIOR TO SUBMITTING PROPOSALS, SO AS TO BECOME FAI DIFFICULTIES THAT MAY AFFECT EXECUTION OF THE WORK. SUBMISSION EVIDENCE THAT SUCH EXAMINATION HAS BEEN MADE. LATER CLAIMS FOF REQUIRED DUE TO DIFFICULTIES ENCOUNTERED THAT COULD HAVE REAS	OF A PROPOSA R LABOR, EQUIP	L WILL BE CONS MENT AND/OR M	TRUED AS ATERIALS				CONDUCTOR FOR ALL 120-VOLT RECEPTACLE B ED BY A DIMMER. SHARED NEUTRALS ARE NOT	· · · · · · · · · · · · · · · · · · ·	NING MODULAR FURNITU	IRE), AND	EMS EMT EQUIP EST ETD	ELECTRICAL METALLIC TUBING EQUIPMENT ESTIMATE
	12.	CONTRACTOR WILL NOT BE RECOGNIZED. THE CONTRACTOR SHALL COORDINATE ALL PROJECT SCHEDULING AND P	PHASING REQUI	REMENTS WITH /	A/E AND		37. ALL BRANCH CIRCUIT METAL CONDUIT (FMC		IN 3/4" TRADE SIZE RACEWAY MINIMUM, INCLUD	ING FLEXIBLE METAL CON	DUIT AND LIQUIDTIGHT F	FLEXIBLE	ETD ETR EWC EWH	EXISTING TO BE DEMOLISHED EXISTING TO BE RELOCATED ELECTRIC WATER COOLER ELECTRIC WATER HEATER
		OWNER PRIOR TO SUBMITTING PROPOSAL. THIS PROJECT MAY REQUIRE PREMIUM TIME WORK AND ALL COSTS FOR SUCH SHALL BE INCLUDED IN T CONTRACTOR SHALL PROVIDE ADEQUATE WORK FORCE, EQUIPMENT, AND	PHASING SEQU	ENCES AND POT OR'S PROPOSAL	ENTIAL THE				FLEXIBLE METAL CONDUIT (FMC & LFMC) SHALL SS A/E AND OWNER GRANTS WRITTEN PERMISS		S THAT EXCEED 6'-0" UNI	LESS	EX OR EXIST F/A FAAP	EXISTING FIRE ALARM FIRE ALARM ANNUNCIATOR PANEL
	13.	PREMIUM TIME AS MAY BE REQUIRED IN ORDER TO ADHERE TO THE PROJ CONTRACTOR SHALL ENSURE THAT LONG-LEAD ITEMS DO NOT IMPACT TH ALL TEMPORARY DOWNTIME REQUIRED FOR SYSTEM TIE-IN OR SWITCHON	HE PROJECT'S S	CHEDULE OR PH	ASING.		CIRCUITS INTO A COM	MON HOMERUN WHER TED GROUND (8 WIRES	MERUNS FOR EACH BRANCH CIRCUIT. AT HIS D THE HOMERUN DOES NOT EXCEED 3 PHASE C MAXIMUM). THE CONTRACTOR SHALL INCREAS DUIREMENTS.	ONDUCTORS, 3 NEUTRAL	CONDUCTORS, 1 EQUIPM	MENT	FACP FATC FB FC	FIRE ALARM CONTROL PANEL FIRE ALARM TERMINAL CABINET FILTER BUILDING FOOTCANDLES
S.DWG	14	SYSTEM SHALL BE PRE-APPROVED BY THE OWNER AND SCHEDULED IN AD THE CONTRACTOR SHALL COORDINATE THE EXACT REQUIREMENTS WITH	-						EACH SWITCHGEAR, SWITCHBOARD, PANELBOA MAJOR COMPONENT OF THE ELECTRICAL SYST	,	NTER, SAFETY SWITCH,		FLA FLR FT	FULL LOAD AMPERES FLOOR FEET
-ELEC NOTES	14.	TELEPHONE, CABLE TV, ETC.) AND INCLUDE ALL COSTS FOR PROVIDING TI REQUIRED FOR THIS PROJECT IN HIS BID. CONTRACTOR'S PROPOSAL SH. EXCAVATION, RACEWAYS, BACKFILL, EQUIPMENT, EQUIPMENT PADS, BACK FEES.	EMPORARY AND ALL INCLUDE, B) PERMANENT SI UT IS NOT LIMITI	ERVICES ED TO:		41. PROVIDE TYPED PANE CIRCUITS. DIRECTOR	L DIRECTORIES FOR A ES SHALL INCLUDE WI	L PANELBOARDS. DIRECTORIES SHALL REFLEC ERE EACH PANEL IS FED FROM. ADDITIONALLY AD SERVED (i.e. "RECEPTACLES - 501, 503"). RO	CT TRUE PROJECT AS-BUI , EACH BRANCH CIRCUIT I	OAD DESCRIPTION SHAL	LL	FTB FVNR G OR GND GAL GALV	FAN TERMINAL BOX FULL VOLTAGE NON-REVERSING GROUND GALLON GALVANIZED
NG C\E-2-	15.	THE CONTRACTOR SHALL INCLUDE ALL COST FOR THE PROPER STORAGE RECYCLING OF ALL WASTE MATERIALS GENERATED BY THIS WORK. CONT REGULATIONS AND GUIDELINES THAT APPLY. REMOVE DEBRIS, RUBBISH,	FRACTOR SHALL	COMPLY WITH	ALL RULES,		42. FOR SWITCHGEAR, SV	/ITCHBOARDS, MOTOR NEL DIRECTORY, PRO	EXACT ROOM NUMBERS WITH A/E AND OWNER CONTROL CENTERS AND OTHER DISTRIBUTION (IDE PLASTIC LAMINATE NAME TAGS FOR EACH)	EQUIPMENT THAT DOES I	NOT HAVE PROVISIONS F		GC GFI GFP GPH GPM	GENERAL CONTRACTOR GROUND FAULT INTERRUPTING GROUND FAULT PROTECTION GALLONS PER HOUR GALLONS PER MINUTE
T\BUILDI	16.	THE SITE DAILY. IF HAZARDOUS MATERIALS ARE ENCOUNTERED, THE CONTRACTOR SHALL REGULATIONS AND GUIDELINES CONCERNING REMOVAL, HANDLING, DISP			,		43. ALL DEVICE OUTLET B	OXES, JUNCTION BOXI	R EACH LOAD SERVED. S, PULL BOXES, AND RACEWAYS SHALL BE CON SS A/E AND OWNER GRANTS WRITTEN PERMISS	,	LLS OR BELOW SLAB UNL	LESS	GRS HID HH	GALVANIZED RIGID STEEL HIGH INTENSITY DISCHARGE HAND HOLE
SUBMITTA	17	ENVIRONMENTAL EXPOSURE OR POLLUTION. CONTRACTOR SHALL PROVI CONDUCT WORK OPERATIONS AND DEBRIS REMOVAL IN A MANNER THAT	IDE DOCUMENT	ATION OF SAID C	OMPLIANCE.		44. PROVIDE A REINFORC	ED CONCRETE PAD SIZ	ED 4" LARGER IN BOTH DIRECTIONS AND 4" HIGI S AND/OR ANCHORS PER MANUFACTURER'S INS	H FOR ALL FREESTANDING	G, FLOOR MOUNTED ELEC	CTRICAL	HO HP HPF HPS	HIGH OUTPUT HORSEPOWER OR HEAT PUMP HIGH POWER FACTOR HIGH PRESSURE SODIUM
-2020		NORMAL BUSINESS OPERATIONS, TRAFFIC, PARKING, ETC. ONGOING IN AE PROVIDE ALL THAT IS REQUIRED TO EFFECTIVELY PROTECT SURROUNDIN FURNITURE, ETC. FROM DAMAGE OR EXCESSIVE NOISE THROUGHOUT THE	DJACENT OCCU IG OCCUPANTS,	PIED SPACES OF , EQUIPMENT, FII	FACILITIES.				PORARY NORMAL LIGHTING, EMERGENCY LIGHT		EQUIRED FOR THE DURA	ATION OF	HR HS HT	HOUR HEAT STRIP HEIGHT
& C - 5		TO SURROUNDING ELEMENTS RESULTING FROM THE CONTRACTOR'S FAIL SHALL BE RESTORED TO ORIGINAL CONDITION BY THE CONTRACTOR, TO AT NO ADDITIONAL COSTS. REPORT ANY SUCH OCCURRENCE TO THE A/E WRITTEN DIRECTION PRIOR TO PROCEEDING WITH REPAIRS.	LURE TO ADHER	E TO THIS REQUINON OF THE A/E	IREMENT AND OWNER,		46. CIRCUITS CAN BE COM		ONDUIT SO LONG AS CONDUCTORS ARE DE-RA ID 1 GROUND CONDUCTOR IN A SINGLE CONDUI		ING OVER 3 PHASE		HTR HZ IG IMC INCAND	HEATER HERTZ ISOLATED GROUND INTERMEDIATE METALLIC CONDUIT INCANDESCENT
77 Complex\cad\elec\sheet\buildings b		THE ELECTRICAL PORTION OF THE CONTRACT DOCUMENTS ARE COORDIN SPECIFIED BY DIVISION 26 AND OTHER DIVISIONS. WHERE THE CONTRACT LIEU OF PROVIDING THE DESIGN BASIS, AND SAID SUBSTITUTION IS ACCEPT CONTRACTOR SHALL MAKE ALL CORRECTIONS TO THE ELECTRICAL SYSTE COMPLETE AND OPERATIONAL INSTALLATION OF THE EQUIPMENT AT NO A CONTRACTOR'S DECISION TO SUBSTITUTE PRODUCTS RESULTS IN THE NEE DOCUMENTS, THE A/E RESERVES THE RIGHT TO REQUEST COMPENSATION SERVICES. CONTRACTOR SHALL MAINTAIN A CURRENT ACCURATE SET OF PROJECT FE SITE THROUGHOUT THE DURATION OF THIS PROJECT. RECORD DRAWING THE ACTUAL LOCATIONS, SIZES, ROUTING, ETC. OF EACH PORTION OF THE WORK. A FINAL SET OF RECORD DOCUMENTS SHALL BE ISSUED TO THE A THE OWNER AT THE CONCLUSION OF THE PROJECT.	TOR ELECTS TO PTED BY THE A/I EM NECESSARY ADDITIONAL COS EED FOR THE A/ N FROM THE CC RECORD DOCUM SS SHALL BE UPI E ELECTRICAL S	SUBSTITUTE A F E AND OWNER, T IN ORDER TO E STS. WHERE TH E TO REVISE TH ONTRACTOR FOR MENTS (AS-BUILT DATED EACH DA SYSTEM AFFECTI	PRODUCT IN HE NSURE A E CONTRACT SAID S) AT THE Y TO REFLECT ED BY THIS		REPRESENTED AS BEI WHATEVER IN RESPECT IMPLIED, THAT THE LC BE ENCOUNTERED IN FACILITIES, INCLUDING UTILITY COMPANIES C ASSISTANCE RELATIV WHERE REQUIRED. IN IMMEDIATELY NOTIFY DAMAGE TO SUCH MA TO THE CONTRACT. A ASSISTANCE IN LOCA	NG ACCURATE, SUFFIC CT TO ACCURACY, COM CATIONS, SIZE AND TY THE CONSTRUCTION. I S SERVICE CONNECTIO F HIS OPERATIONAL P TO THE LOCATION O THE EVENT AN UNEXP THE UTILITY COMPANY INS AND SERVICES SH L UTILITY CABLES ANI TING UNDERGROUND L	OF EXISTING UNDERGROUND AND / OR ABOVED IENT OR COMPLETE. NEITHER THE OWNER NOR PLETENESS, OR SUFFICIENCY OF THE INFORMA PE OF MATERIAL OF EXISTING UNDERGROUND UT SHALL BE THE CONTRACTOR'S RESPONSIBILIT NS TO UNDERGROUND UTILITIES. PRIOR TO COM ANS AND SHALL OBTAIN FROM THE RESPECTIVE THEIR FACILITIES AND THE WORKING SCHEDUL ECTED UTILITY INTERFERENCE IS ENCOUNTERE OF JURISDICTION. THE OWNER'S REPRESENTATION LL BE RESTORED TO SERVICE AT ONCE AND PA LINES SHALL BE LOCATED BY THE RESPECTIVE TILITIES, PIPELINES, CABLES, OR OTHER LINES (811 OR TEXAS ONE CALL FOR UTILITY INFORMATION)	THE ENGINEER ASSUMES ATION. THERE IS NO GUAR JTILITIES INDICATED ARE Y TO DETERMINE THE AC NSTRUCTION, THE CONTR E UTILITY COMPANIES DE LE OF THE COMPANIES FO DURING CONSTRUCTIO TIVE SHALL ALSO BE IMME AID FOR BY THE CONTRAC E UTILITY. ALSO CONTACT OR STRUCTURES. ALSO C	S ANY RESPONSIBILITY ANTEE EITHER EXPRESS REPRESENTATIVE OF TH FUAL LOCATION OF ALL S ACTOR SHALL NOTIFY TH FAILED INFORMATION AN IR REMOVAL OR ADJUSTI N, THE CONTRACTOR SH EDIATELY NOTIFIED. ANY TOR AT NO ADDITIONAL OWNER'S REPRESENTAT OORDINATE WORK WITH	SED OR HOSE TO SUCH HE ND TMENT HALL COST TIVE FOR	IN JB	INCHES JUNCTION BOX
OMP016 PORTSC							manufage 1							
PM 7	NUMB	ER REVISION	DATE	DRAWN	DESIGNED	REVIEWED	STATE OF TELES		lity of		2-Elec Notes		HANSO	TBPE F-417 TBPLS F-10039500 TBPG F-50556
2020 3:00 S\17L0017 [\]							RYAN RATION		Tener)NE /06/2019	-	Hanson Professional Services Inc. 20	
MAY 07, 2 I:\17J0BS\							121403 //CENN30 //CEN			DRAWN A	JT/GR 08/06/19 JT/SB 08/06/19	4501 Golli Corpus Ch	Professional Services Ir ihar Rd. hrisiti, Texas 78411	(800) 677-2831 www.hanson-inc.com
1	\						SIGNED: 8/6/2019 EXPIRES: 9/30/2020	"The Jur	ction Where Good Friends Meet"	REVIEWED	RDN 08/06/19			Offices Nationwide

ELECTRICAL GENERAL NOTES (CONT.)	ELECTRICAL ABBREVIATIONS						
A BRANCH CIRCUITS OVER 80'-0" IN LENGTH SHALL BE #10 AWG CU. CONDUCTORS MINIMUM TO ACCOMMODATE VOLTAGE DROP. WHERE EXISTS BETWEEN THIS REQUIREMENT AND CONDUCTOR SIZES INDICATED ELSEWHERE IN THE CONTRACT DOCUMENTS, THIS IT SHALL TAKE PRECEDENCE.	@ A/C AC A/E	AT AIR CONDITIONING ALTERNATING CURRENT ARCHITECT/ENGINEER	K KCMIL KVA KW	KELVIN OR KILO THOUSAND CIRCULAR MILS KILOVOLT AMPERE KILOWATT			
A BRANCH CIRCUITS OVER 150'-0" IN LENGTH SHALL BE #10 AWG CU. CONDUCTORS MINIMUM TO ACCOMMODATE VOLTAGE DROP. WHERE EXISTS BETWEEN THIS REQUIREMENT AND CONDUCTOR SIZES INDICATED ELSEWHERE IN THE CONTRACT DOCUMENTS, THIS IT SHALL TAKE PRECEDENCE.	AFD AFF AFG AHJ	ADJUSTABLE FREQUENCY DRIVE ABOVE FINISHED FLOOR ABOVE FINISHED GRADE AUTHORITY HAVING JURISDICTION	KW KWH LAHJ LED LF	KILOWATT KILOWATT HOUR LOCAL AUTHORITY HAVING JURISDICTION LIGHT EMITTING DIODE LINEAR FEET			
VOLTAGE DROP FOR ANY BRANCH CIRCUIT SHALL NOT EXCEED 3%. VOLTAGE DROP FOR ANY FEEDER SHALL NOT EXCEED 2%. WHERE OP EXCEEDS THESE REQUIREMENTS, THE CONTRACTOR SHALL INCREASE THE SIZE OF THE CONDUCTORS AND RACEWAY AS REQUIRED.	AHU AIC AL	AIR HANDLER UNIT AMPS INTERRUPTING CAPACITY ALUMINUM	LLD LLF LPF	LAMP LUMEN DEPRECIATION LIGHT LOSS FACTOR LOW POWER FACTOR			
R SHALL PROVIDE ALL PENETRATIONS THROUGH FLOORS, WALLS, CEILINGS AND ROOFS. COORDINATE LOCATIONS AND SIZES WITH THE RAL AND STRUCTURAL PORTIONS OF THE CONTRACT DOCUMENTS, FIELD CONDITIONS, AND WORK OF ALL OTHER DIVISIONS/TRADES. IS SHALL BE SEALED WATERTIGHT.	AM AMP ANSI ATS AWG	AMMETER AMPERE AMERICAN NATIONAL STANDARDS INSTITUTE AUTOMATIC TRANSFER SWITCH AMERICAN WIRE GAUGE	LT LTG LTS LV	LIGHT LIGHTING LIGHTS LOW VOLTAGE METER			
NINGS PENETRATE A FIRE RATED FLOOR, WALL, CEILING, OR ROOF, FIRESTOPPING SHALL BE PROVIDED. MEET ALL REQUIREMENTS FOR EMBLY AND RACEWAYS INVOLVED.	BB B&CB BKR	BLOWER BUILDING BLOWER AND CHLORINE BUILDING BREAKER	M MAINT MAX MCB	METER MAINTENANCE MAXIMUM MAIN CIRCUIT BREAKER			
R SHALL INCLUDE ALL COSTS FOR EXCAVATION, SAW CUTTING, DIRECTIONAL BORING, CORE DRILLING, BACKFILL, SURFACE N, REPAIR OF FINISHES, ETC. THAT IS REQUIRED IN ORDER TO MEET THE PROJECT REQUIREMENTS.	BLDG BMS BPS BTU	BUILDING BUILDING MANAGEMENT SYSTEM BOLTED PRESSURE SWITCH BRITISH THERMAL UNITS	MCC MCM MFG	MOTOR CONTROL CENTER THOUSAND CIRCULAR MILS MANUFACTURER			
R SHALL LOCATE, IDENTIFY, PROTECT, AND DOCUMENT ALL UTILITY LINES LOCATED WITHIN THE PROJECT BOUNDARY UTILIZING E LOCAL LOCATING SERVICES.	BTUH C CB	BRITISH THERMAL UNITS BRITISH THERMAL UNITS PER HOUR CONDUIT CIRCUIT BREAKER	MH MIN MLO MM	MANHOLE OR METAL HALIDE MINIMUM MAIN LUG ONLY MILIMETER			
ENTS OF THE ELECTRICAL SYSTEM LOCATED OUTDOORS OR INDOORS WHERE EXPOSED TO SIGNIFICANT MOISTURE SHALL BE TYPE NEMA 3R (MINIMUM), WHETHER INDICATED ON CONTRACT DOCUMENTS OR NOT.	CBM CD CFM	CERTIFIED BALLAST MANUFACTURERS CANDELA CUBIC FEET PER MINUTE	MOCP MPH MTD	MAXIMUM OVERCURRENT PROTECTION MILES PER HOUR MOUNTED			
ENTS OF THE ELECTRICAL SYSTEM LOCATED IN A HAZARDOUS (CLASSIFIED) LOCATION SHALL BE APPROVED FOR USE IN SAID LOCATION DICATED ON THE CONTRACT DOCUMENTS OR NOT.	CHH CI&S CKT	CONTROL HANDHOLE COMPLETE INTEGRATION AND SERVICES CIRCUIT	MV # N	MEDIUM VOLTAGE NUMBER NEUTRAL			
N THE ELECTRICAL SYSTEM REQUIRED BY THE CONTRACT DOCUMENTS SHALL BE COORDINATED WITH THE WORK OF ALL OTHER ADES PRIOR TO THE COMMENCEMENT OF WORK. AVOID INTERFERENCES WITH THE PROGRESS OF OTHER DIVISIONS/TRADES.	C/L CLG COMP COND	CENTER LINE CEILING COMPRESSOR CONDUIT	NC NEC NEMA NF	NORMALLY CLOSED NATIONAL ELECTRICAL CODE (NFPA 70) NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATIO NON-FUSED			
THE EXACT LOCATIONS OF ALL DEVICES (RECEPTACLES, TELECOMMUNICATIONS OUTLETS, FIRE ALARM, SECURITY, ETC.) WITH THE RAL PLANS, APPROVED MILLWORK SHOP DRAWINGS, AND FIELD CONDITIONS.	CONN CONT CRAC	CONNECTION CONTINUOUS COMPUTER ROOM AIR CONDITIONING UNIT	NF NFPA NIC NL	NATIONAL FIRE PROTECTION ASSOCIATION NOT IN CONTRACT NIGHT LIGHT, NOT SWITCHED			
THE EXACT REQUIREMENTS OF ALL MECHANICAL (DIVISION 22 & 23) EQUIPMENT PRIOR TO PREPARING SUBMITTALS (PRODUCT DATA & NGS). THE CONTRACTOR SHALL PROVIDE ALL RACEWAYS, CONDUCTORS, BOXES, EQUIPMENT, DISCONNECT SWITCHES, CIRCUIT CONTROL CIRCUITS, CONTROL TRANSFORMERS, FIRE ALARM SHUTDOWN, ETC. REQUIRED FOR A COMPLETE AND OPERATIONAL DIVISION EM. VERIFY EXACT LOCATION OF ALL MECHANICAL EQUIPMENT PRIOR TO COMMENCEMENT OF WORK.	CRI CT CTR CU CW	COLOR RENDERING INDEX CURRENT TRANSFORMER COUNTER COPPER OR CONDENSER UNIT COLD WATER	NO NPT OD OL OS&Y	NORMALLY OPEN OR NUMBER NATIONAL PIPE THREAD OUTSIDE DIAMETER OVERLOAD OUTSIDE SCREW AND YOKE			
ALUMINUM CONDUCTORS, RACEWAYS, BOXES, BUSSING, WINDINGS, ETC. ARE PROHIBITED UNLESS SPECIFICALLY NOTED OTHERWISE, /E AND OWNER GRANTS WRITTEN PERMISSION.	DB DC DISC	DIRECT BURIED DIRECT CURRENT DISCONNECT	% P PB	PERCENT POLE PULL BOX			
ECTRICAL NON-METALLIC TUBING (ENT), AND LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUIT (LFNC) ARE PROHIBITED UNLESS NOTED OTHERWISE, OR UNLESS A/E AND OWNER GRANTS WRITTEN PERMISSION.	DISC SW DN DPST DS	DISCONNECT SWITCH DOWN DOUBLE POLE SINGLE THROW DISCONNECT SWITCH	PH OR Ø PHH PL PNL	PHASE POWER HANDHOLE COMPACT FLUORESCENT LAMP PANEL OR PANELBOARD			
ND BRANCH CIRCUIT CONDUCTORS, INCLUDING LOW VOLTAGE SYSTEMS, SHALL BE INSTALLED IN A COMPLETE RACEWAY SYSTEM	EA ECB EC	EACH ENCLOSED CIRCUIT BREAKER ELECTRICAL CONTRACTOR	PR PRI PSF	PAIR PRIMARY POUNDS PER SQUARE FOOT			
'S THAT RISE UP FROM UNDERGROUND SHALL BE GALVANIZED RIGID STEEL (RGS) WITH BITUMASTIC COATING FOR AT LEAST THE FINAL . USE OF NONMETALLIC CONDUIT ABOVE GRADE IS NOT ACCEPTABLE.	EDH EF ELEV	ELECTRIC DUCT HEATER EXHAUST FAN ELEVATION OR ELEVATOR	PSI PT PVC	POUNDS PER SQUARE INCH POTENTIAL TRANSFORMER POLYVINYL CHLORIDE			
PARATE DEDICATED NEUTRAL CONDUCTOR FOR ALL 120-VOLT RECEPTACLE BRANCH CIRCUITS (INCLUDING MODULAR FURNITURE), AND BRANCH CIRCUITS CONTROLLED BY A DIMMER. SHARED NEUTRALS ARE NOT ACCEPTABLE.	EMS EMT EQUIP EST	ENERGY MANAGEMENT SYSTEM ELECTRICAL METALLIC TUBING EQUIPMENT ESTIMATE	RECEPT RGS RPM	RECEPTACLE RIGID GALVANIZED STEEL REVOLUTIONS PER MINUTE			
CIRCUITS SHALL BE INSTALLED IN 3/4" TRADE SIZE RACEWAY MINIMUM, INCLUDING FLEXIBLE METAL CONDUIT AND LIQUIDTIGHT FLEXIBLE JIT (FMC & LFMC).	ETD ETR EWC	EXISTING TO BE DEMOLISHED EXISTING TO BE RELOCATED ELECTRIC WATER COOLER	RS RTU SCA SEC	RAPID START ROOF TOP UNIT SHORT CIRCUIT AMPERES SECONDARY			
TAL CONDUIT AND LIQUIDTIGHT FLEXIBLE METAL CONDUIT (FMC & LFMC) SHALL NOT BE USED IN LENGTHS THAT EXCEED 6'-0" UNLESS / NOTED OTHERWISE, OR UNLESS A/E AND OWNER GRANTS WRITTEN PERMISSION.	EWH EX OR EXIST F/A	ELECTRIC WATER HEATER EXISTING FIRE ALARM	SF S/N SPST	SQUARE FOOT OR SUPPLY FAN SOLID NEUTRAL SINGLE POLE SINGLE THROW			
DULES INDICATE DEDICATED HOMERUNS FOR EACH BRANCH CIRCUIT. AT HIS DISCRETION, THE CONTRACTOR MAY GROUP BRANCH O A COMMON HOMERUN WHERE THE HOMERUN DOES NOT EXCEED 3 PHASE CONDUCTORS, 3 NEUTRAL CONDUCTORS, 1 EQUIPMENT O 1 ISOLATED GROUND (8 WIRES MAXIMUM). THE CONTRACTOR SHALL INCREASE THE HOMERUN RACEWAY SIZE AS NECESSARY TO I THE N.E.C. RACEWAY FILL REQUIREMENTS.	FAAP FACP FATC FB FC	FIRE ALARM ANNUNCIATOR PANEL FIRE ALARM CONTROL PANEL FIRE ALARM TERMINAL CABINET FILTER BUILDING FOOTCANDLES	SS SW SWBD SYS TEMP	STAINLESS STEEL SWITCH SWITCHBOARD SYSTEM TEMPERATURE			
STIC LAMINATE NAME TAGS ON EACH SWITCHGEAR, SWITCHBOARD, PANELBOARD, MOTOR CONTROL CENTER, SAFETY SWITCH, NEL, CABINET, AND ANY OTHER MAJOR COMPONENT OF THE ELECTRICAL SYSTEM.	FLA FLR FT FTB	FULL LOAD AMPERES FLOOR FEET FAN TERMINAL BOX	TTB TTC TV TVSS	TELEPHONE TERMINAL BOARD TELEPHONE TERMINAL CABINET TELEVISION TRANSIENT VOLTAGE SURGE SUPPRESSOR			
PED PANEL DIRECTORIES FOR ALL PANELBOARDS. DIRECTORIES SHALL REFLECT TRUE PROJECT AS-BUILT CONDITIONS FOR ALL BRANCH RECTORIES SHALL INCLUDE WHERE EACH PANEL IS FED FROM. ADDITIONALLY, EACH BRANCH CIRCUIT LOAD DESCRIPTION SHALL ROOM NUMBERS FOR EACH LOAD SERVED (i.e. "RECEPTACLES - 501, 503"). ROOM NUMBERS SHALL BE BASED ON ACTUAL ROOM TALLED IN FIELD. COORDINATE EXACT ROOM NUMBERS WITH A/E AND OWNER PRIOR TO COMPLETION OF PANEL DIRECTORIES.	FVNR G OR GND GAL GALV GC	FULL VOLTAGE NON-REVERSING GROUND GALLON GALVANIZED GENERAL CONTRACTOR	TVTC TVEC TYP UG UL	TELEVISION TERMINAL CABINET TELEVISION EQUIPMENT CABINET TYPICAL UNDERGROUND UNDERWRITER'S LABORATORIES			
GEAR, SWITCHBOARDS, MOTOR CONTROL CENTERS AND OTHER DISTRIBUTION EQUIPMENT THAT DOES NOT HAVE PROVISIONS FOR OF A PANEL DIRECTORY, PROVIDE PLASTIC LAMINATE NAME TAGS FOR EACH BRANCH CIRCUIT BREAKER. NAME TAG SHALL INCLUDE PTION AND ROOM NUMBERS FOR EACH LOAD SERVED.	GFI GFP GPH GPM GRS	GROUND FAULT INTERRUPTING GROUND FAULT PROTECTION GALLONS PER HOUR GALLONS PER MINUTE GALVANIZED RIGID STEEL	UON VE VFD VHF VHO	UNLESS OTHERWISE NOTED VALUE ENGINEER VARIABLE FREQUENCY DRIVE VERY HIGH FREQUENCY VERY HIGH OUTPUT			
UTLET BOXES, JUNCTION BOXES, PULL BOXES, AND RACEWAYS SHALL BE CONCEALED IN CEILINGS, WALLS OR BELOW SLAB UNLESS Y NOTED OTHERWISE, OR UNLESS A/E AND OWNER GRANTS WRITTEN PERMISSION.	HID HH HO	HIGH INTENSITY DISCHARGE HAND HOLE HIGH OUTPUT	V VA VAV	VOLT VOLT AMPERE VARIABLE AIR VOLUME			
EINFORCED CONCRETE PAD SIZED 4" LARGER IN BOTH DIRECTIONS AND 4" HIGH FOR ALL FREESTANDING, FLOOR MOUNTED ELECTRICAL PROVIDE VIBRATION ISOLATORS AND/OR ANCHORS PER MANUFACTURER'S INSTRUCTIONS.	HP HPF HPS HR	HORSEPOWER OR HEAT PUMP HIGH POWER FACTOR HIGH PRESSURE SODIUM HOUR	VM VOL W	VOLT METER VOLUME WATT OR WIRE			
TOR SHALL PROVIDE ALL TEMPORARY NORMAL LIGHTING, EMERGENCY LIGHTING, AND EXIT SIGNAGE REQUIRED FOR THE DURATION OF	HR HS HT HTR	HOUR HEAT STRIP HEIGHT HEATER	WAS WP WSA WW	WASTE ACTIVATED SLUDGE WEATHERPROOF WIRE SIZE AMPERES WIREWAY OR AUXILIARY GUTTER			
BE COMBINED INTO LARGER CONDUIT SO LONG AS CONDUCTORS ARE DE-RATED PER NEC FOR ANYTHING OVER 3 PHASE 9, 3 NEUTRAL CONDUCTORS, AND 1 GROUND CONDUCTOR IN A SINGLE CONDUIT.	HZ IG IMC	HERTZ ISOLATED GROUND INTERMEDIATE METALLIC CONDUIT	ww XFMR Y YD	TRANSFORMER WYE YARD			
IN, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND AND / OR ABOVEGROUND UTILITIES INDICATED ON THE PLANS IS NOT ED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY IN RESPECT TO ACCURACY, COMPLETENESS, OR SUFFICIENCY OF THE INFORMATION. THERE IS NO GUARANTEE EITHER EXPRESSED OR IT THE LOCATIONS, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ARE REPRESENTATIVE OF THOSE TO ERED IN THE CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE PANIES OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT	INCAND IN JB	INCANDESCENT INCHES JUNCTION BOX	YR 3R 4X	YEAR RAINPROOF DUSTIGHT, WATERTIGHT			

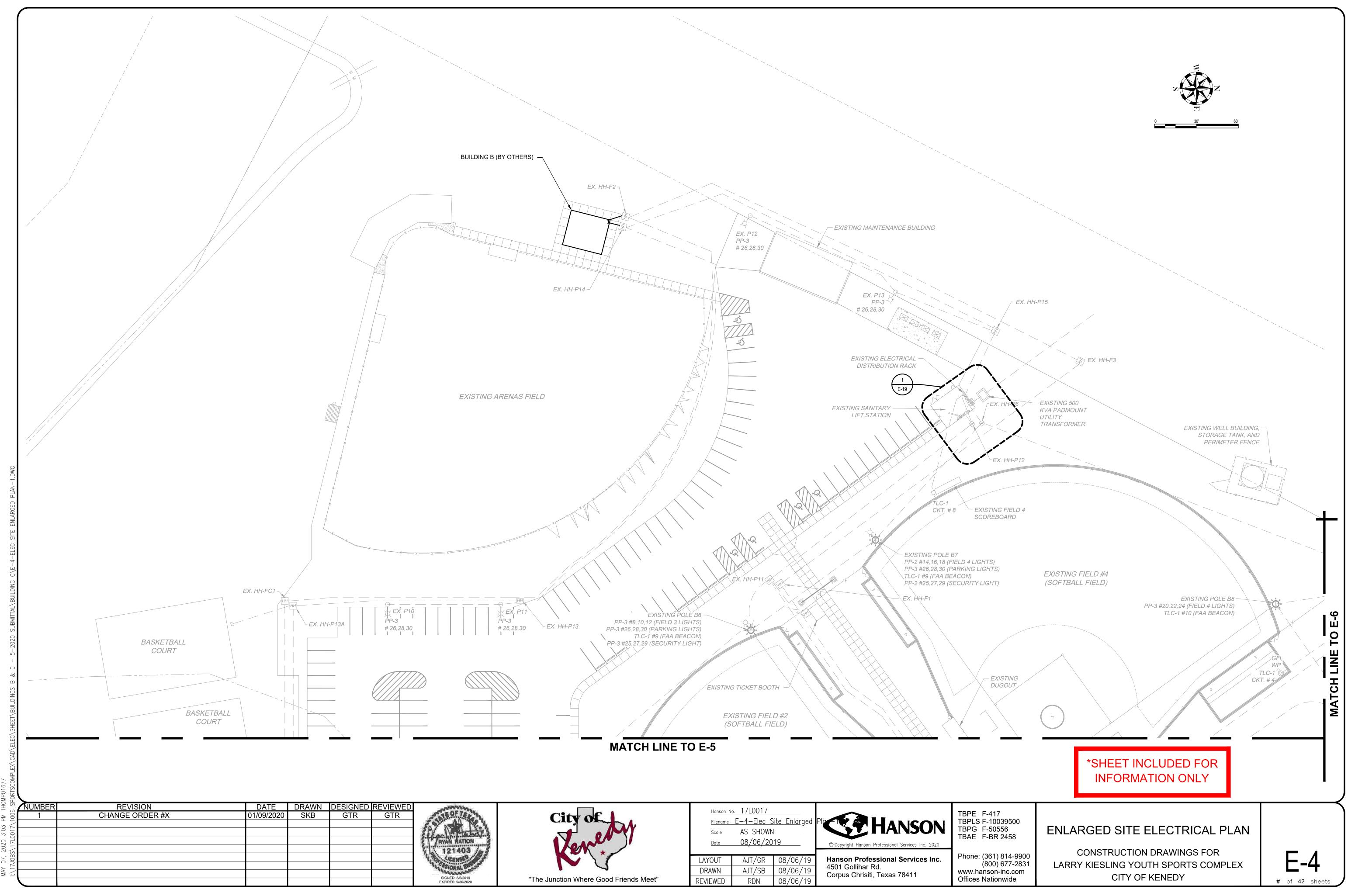
ELECTRICAL NOTES & ABBREVIATIONS



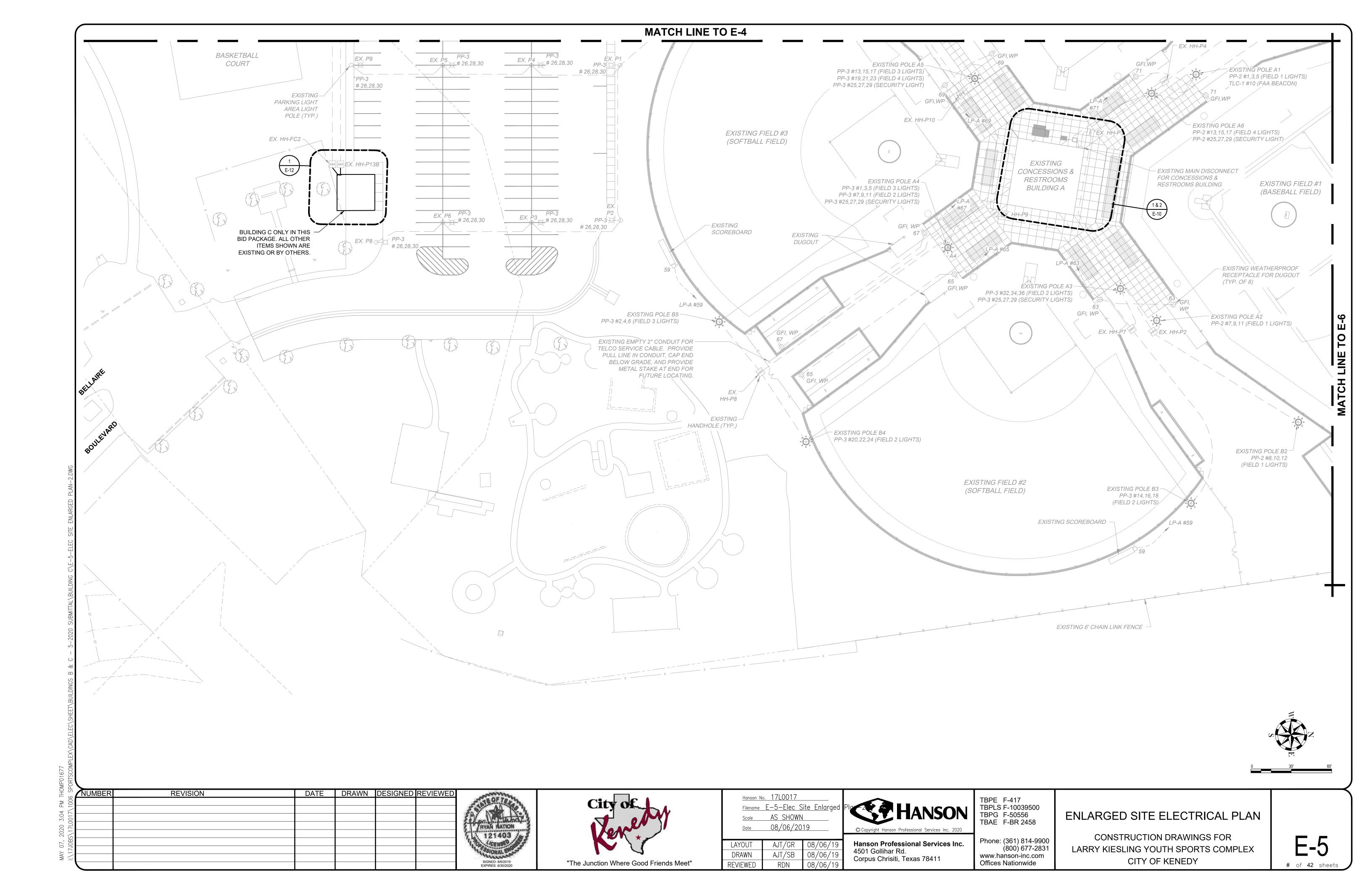


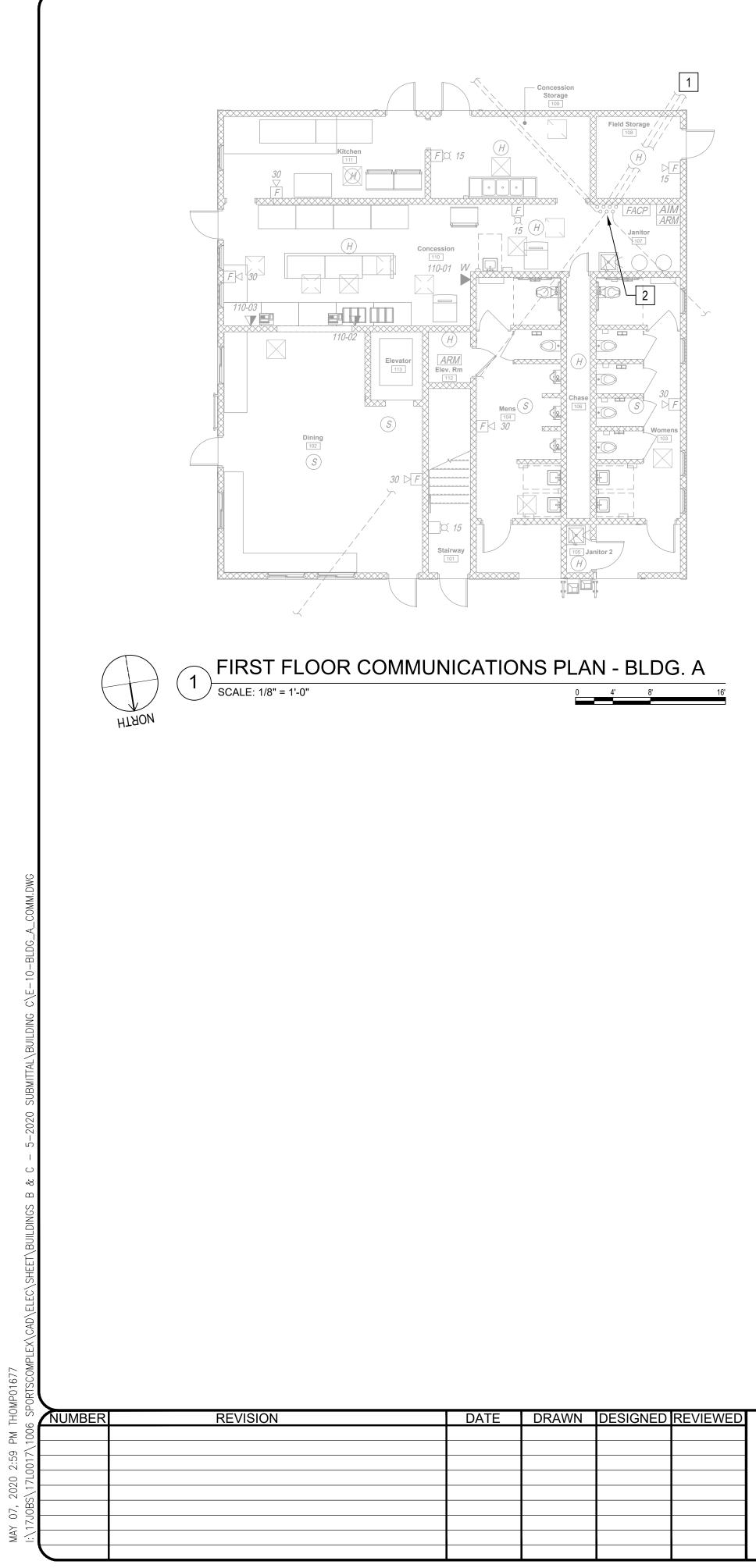




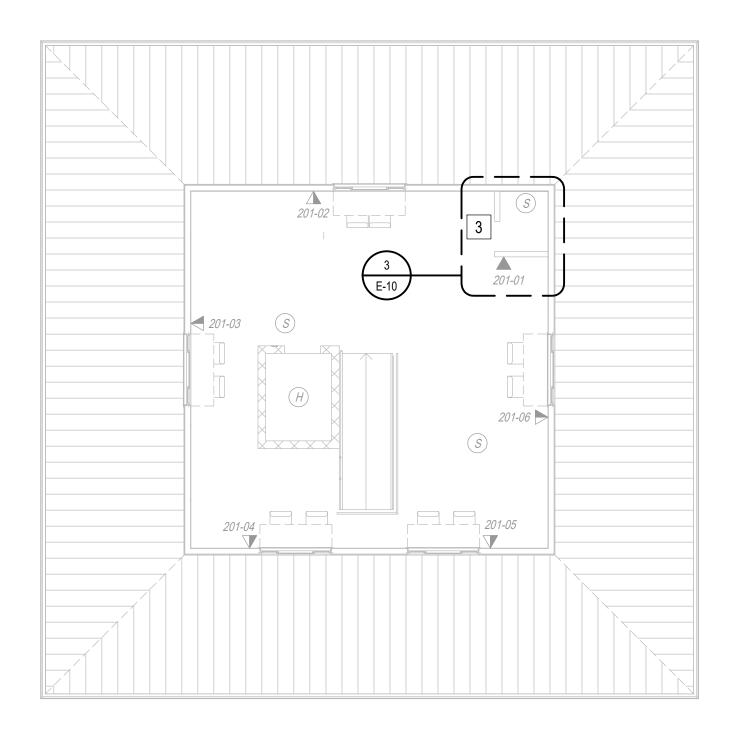


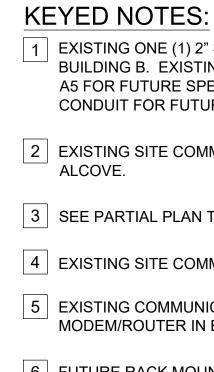
	City of		17L0017 E-4-Elec S AS SHOWN 08/06/20		Place HANSON © Copyright Hanson Professional Services Inc. 2020	TBPE F-417 TBPLS F-1003 TBPG F-5053 TBAE F-BR
		LAYOUT DRAWN	AJT/GR AJT/SB	08/06/19 08/06/19	Hanson Professional Services Inc. 4501 Gollihar Rd.	Phone: (361) (800)
9 20	"The Junction Where Good Friends Meet"	REVIEWED	RDN	08/06/19	Corpus Chrisiti, Texas 78411	www.hanson-i Offices Nation



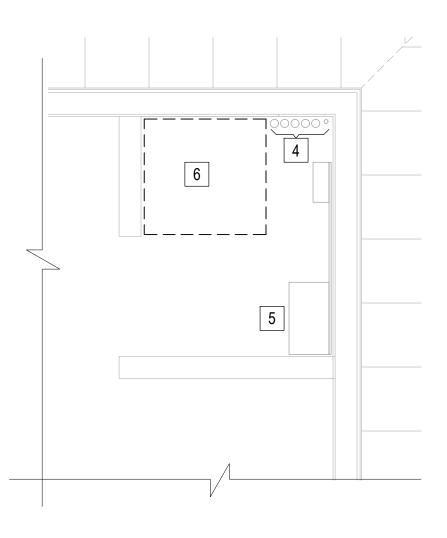


TYAN NATION 121403 SIGNED: 8/6/2019 EXPIRES: 9/30/2020



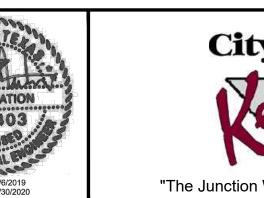






PARTIAL SECOND FLOOR PLAN -

COMMUNICATIONS ALCOVE



City of
e Junction Where Good Friends Meet"

(3) SCALE: 1/2" = 1'-0"

<u>Hanson N</u> Filename Scale Date		
LAYOUT	AJT/GR	08/06/19
DRAWN	AJT/SB	08/06/19
REVIEWED	RDN	08/06/19



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1 EXISTING ONE (1) 2" SCHEDULE 80 PVC CONDUIT WITH EXISTING ONE (1) 12 STRAND FIBER OPTIC CABLE TO BUILDING B. EXISTING ONE (1) 2" AND EXISTING ONE (1) 3/4" EMPTY SCHEDULE 80 PVC CONDUITS TO POLE A5 FOR FUTURE SPEAKER, CAMERA, AND POWER WIRING. EXISTING ONE (1) 2" EMPTY SCHEDULE 80 PVC CONDUIT FOR FUTURE CAMERAS AT BUILDING C. SEE SHEETS E-4 & E-5 FOR CONTINUATION.

2 EXISTING SITE COMMUNICATIONS CONDUITS EXPOSED UP WALL TO SECOND FLOOR COMMUNICATIONS

3 SEE PARTIAL PLAN THIS SHEET FOR ADDITIONAL WORK IN COMMUNICATIONS ALCOVE.

4 EXISTING SITE COMMUNICATIONS CONDUITS FROM FIRST FLOOR.

5 EXISTING COMMUNICATIONS PATCH PANEL, EXISTING NETWORK SWITCH, AND EXISTING TELCO MODEM/ROUTER IN EXISTING WALL MOUNT EQUIPMENT RACK.

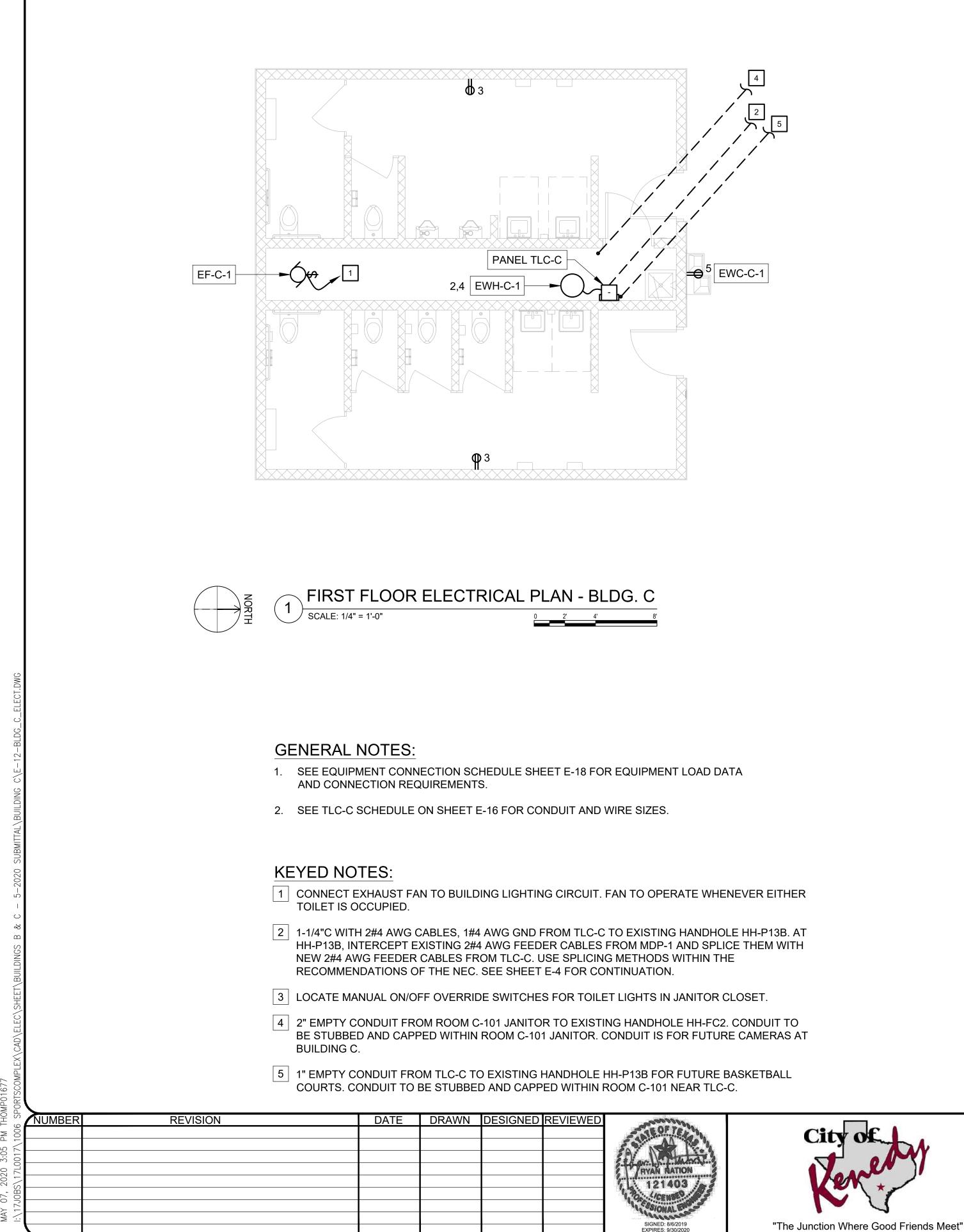
6 FUTURE RACK MOUNTED SOUND REINFORCEMENT SYSTEM EQUIPMENT BY OWNER.

***SHEET INCLUDED FOR INFORMATION ONLY**

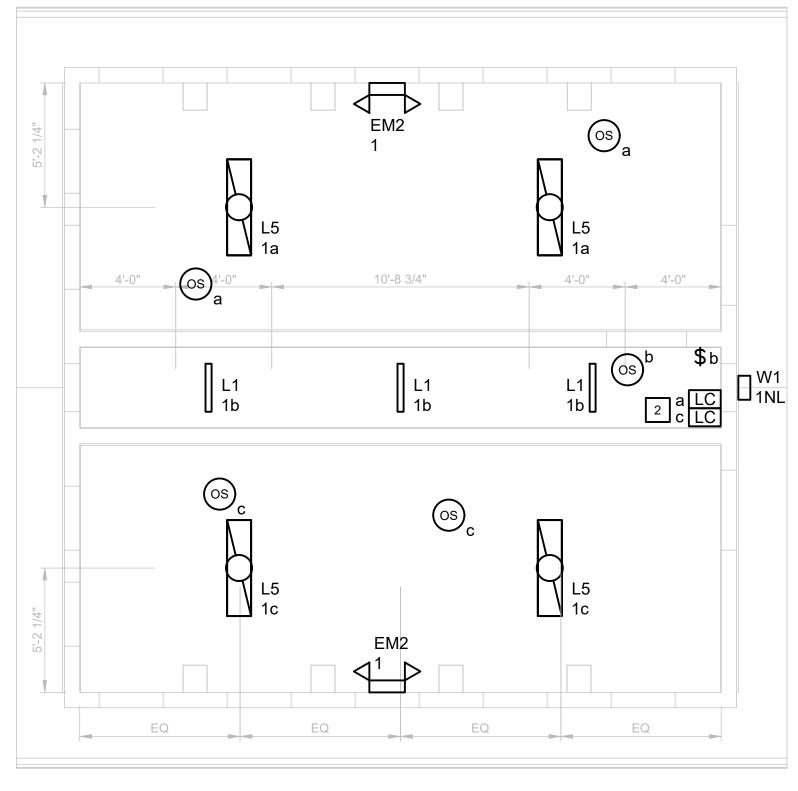
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BUILDING A - COMMUNICATIONS PLAN





<u>Hanson N</u> Filename <u>Scale</u> Date	 <u>0</u>. 17L0017 E−12−Bldd AS INDICAT 08/06/20 	TED
LAYOUT DRAWN REVIEWED	AJT/GR AJT/SB RDN	08/06/19 08/06/19 08/06/19





	BUILDING C LIGHTING CONTROLS SCHEDULE									
		ON / OFF CONTROL			EL CONT					
RM #	ROOM / SPACE / AREA DESCRIPTION	SYSTEM TYPE	CONTROL SEQUENCE	ТҮРЕ	CONTROL DEVICE	ON LEVEL	NOTES			
C-100	MEN'S TOILET	IND	000							
C-101	JANITOR	IND	VAC							
C-102	WOMEN'S TOILET	IND	000							

CONTROL SEQUENCE DESCRIPTIONS

MAN MANUAL CONTROL: LIGHTS TURNED ON / OFF VIA TOGGLE SWITCH(ES) IN SPACE. NO AUTOMATIC CONTROLS.

- NL NIGHT LIGHTING: LIGHTS TURNED ON / OFF VIA PHOTOCELL
- OCCUPANCY CONTROL: LIGHTS TURNED ON / OFF VIA OCCUPANCY SENSORS IN SPACE. MANUAL ON / OFF OVERRIDE VIA LOCAL CONTROLLER / SWITCH IN SPACE.
- SEC SECURITY LIGHTING: LIGHTS REMAIN ON CONTINUOUSLY (NO ON / OFF CONTROLS).
- TIMER CONTROL: LIGHTS MANUALLY TURNED ON VIA COUNT-DOWN TIMER IN SPACE. LIGHTS TURNED OFF AFTER COUNT-DOWN TIMER EXPIRES.
- TIME OF DAY CONTROL: LIGHTS TURNED ON / OFF AT SPECIFIC TIMES VIA TIME CLOCK OR TIME-OF-DAY TOD SIGNAL FROM CONTROL SYSTEM.
- VACANCY CONTROL: LIGHTS TURNED ON / OFF VIA TOGGLE SWITCH(ES) IN SPACE. LIGHTS AUTOMATICALLY VAC TURNED OFF / ON VIA OCCUPANCY SENSOR IF TOGGLE SWITCH(ES) LEFT ON WHEN SPACE UNOCCUPIED.

CONTROL SYSTEM TYPES

- IND INDIVIDUAL CONTROL CDT COUNTDOWN TIMER LCS LIGHTING CONTROL SYSTEM DLS DUAL-LEVEL SWITCHING LCC LOCAL LIGHTING CONTROLLER LEVEL CONTROL TYPES BI BI-LEVEL DIMMING OS OCCUPANCY SENSOR DIM FULL-RANGE DIMMING PC PHOTO CONTROL
- DLH DAYLIGHT HARVESTING

 <u>17L0017</u> <u>E-12-Bld</u> <u>AS</u> INDICAT <u>08/06/20</u> 	TED	© Copyright Hanson Professional Services Inc. 2020	TBPE F-417 TBPLS F-100 TBPG F-505 TBAE F-BR
AJT/GR AJT/SB RDN	08/06/19 08/06/19 08/06/19	Hanson Professional Services Inc. 4501 Gollihar Rd. Corpus Chrisiti, Texas 78411	Phone: (361) (800) www.hanson- Offices Natior

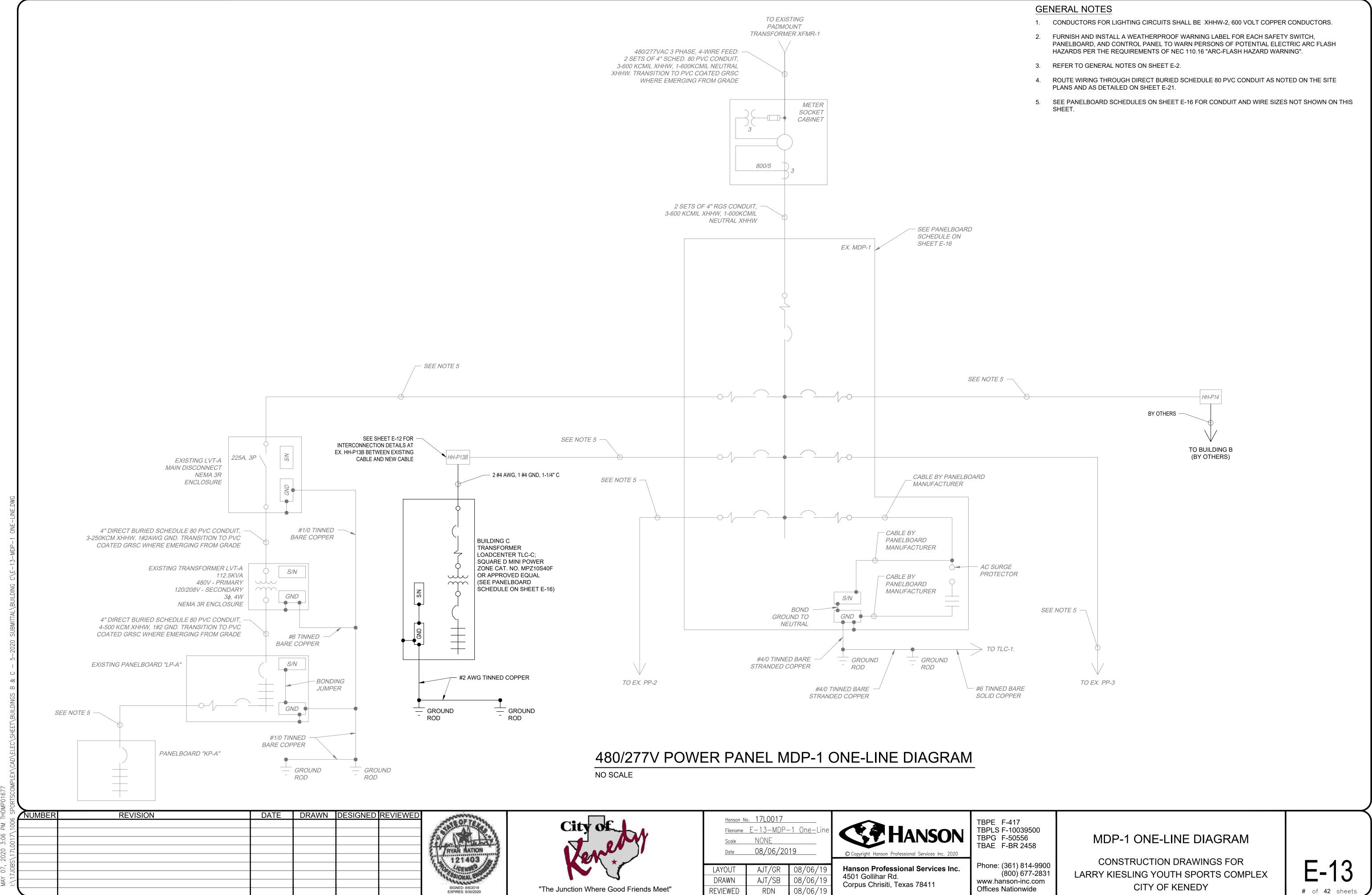
LEVEL CONTROL DEVICES

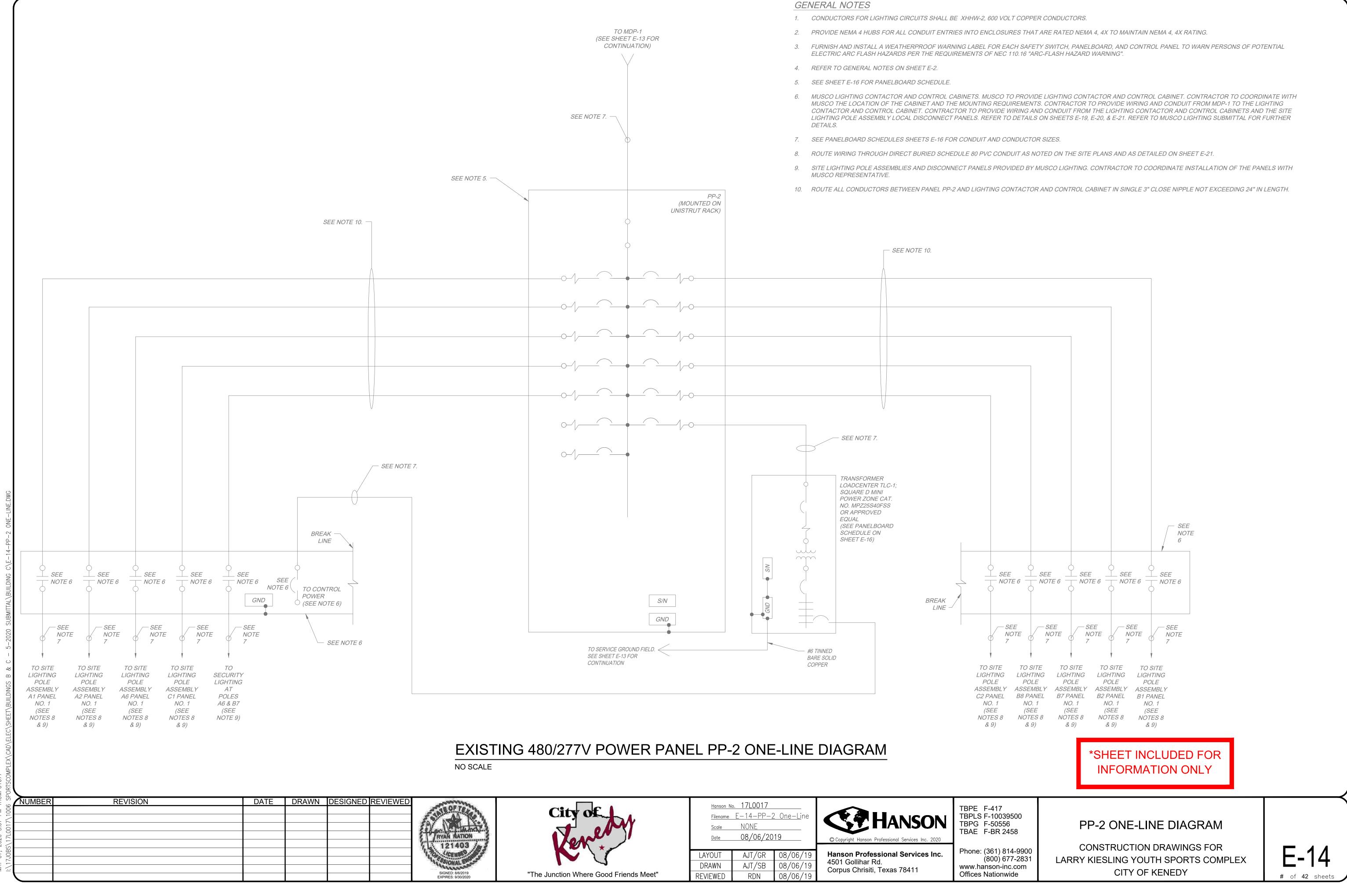
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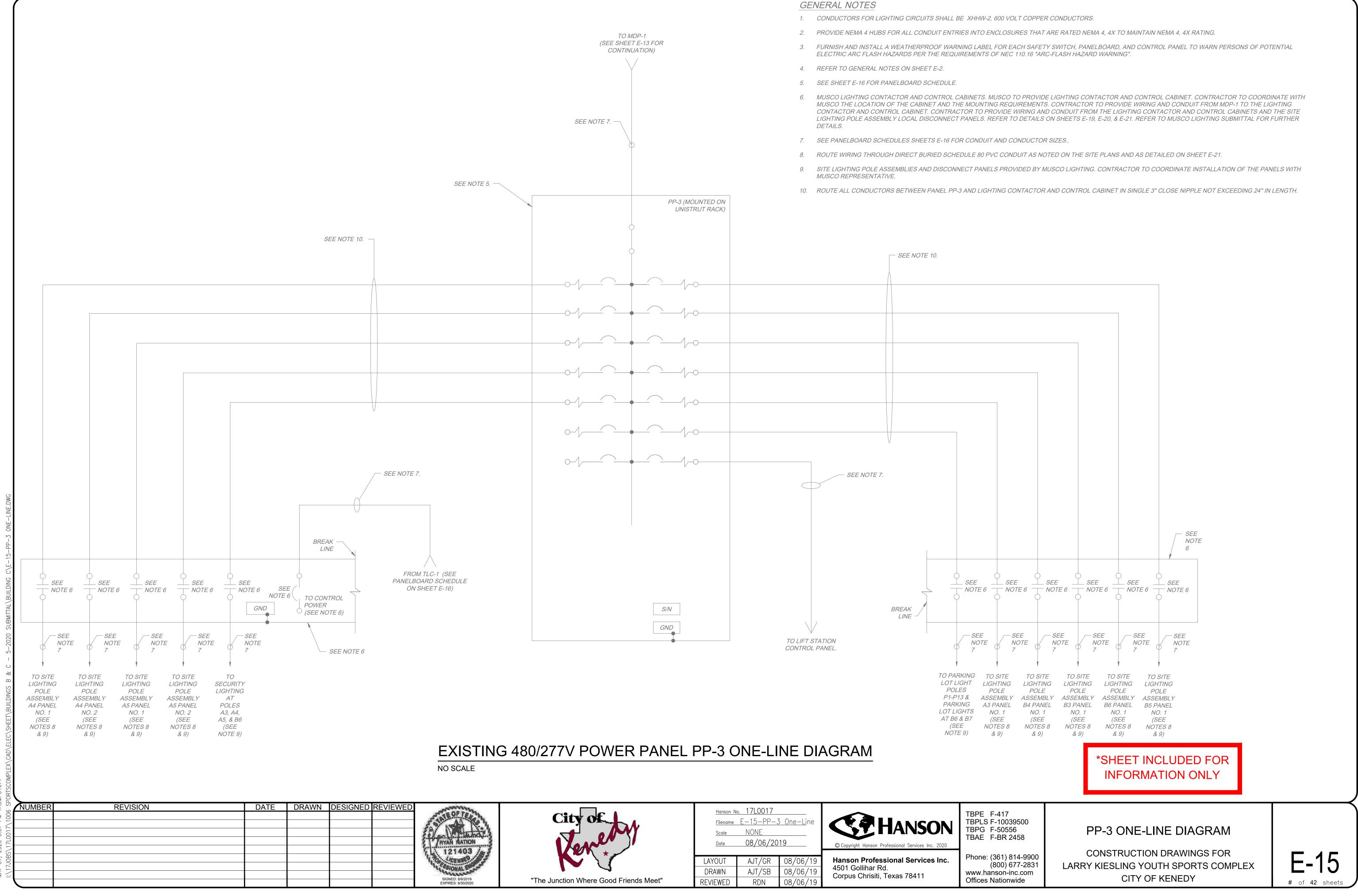
BUILDING C - ELECTRICAL PLAN



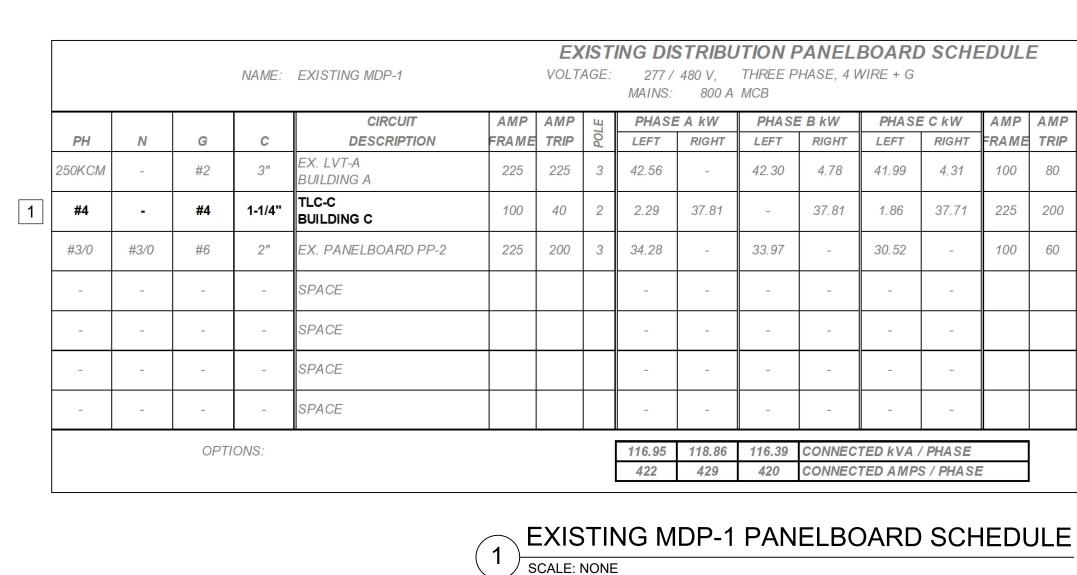


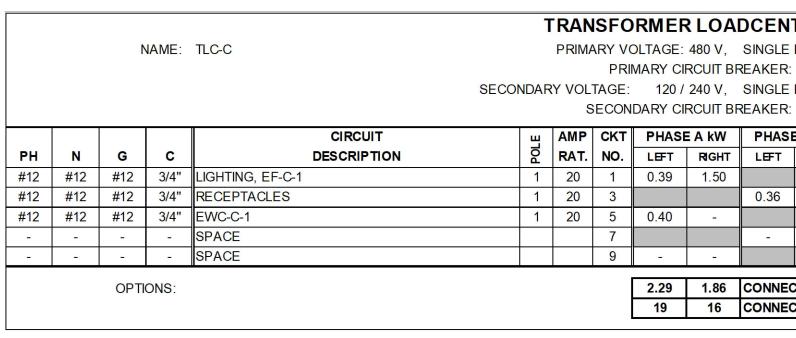


	City of	<u>Hanson N</u> <u>Filename</u> <u>Scale</u> <u>Date</u>	 <u>■ 17L0017</u> <u>■ 14-PP-2</u> <u>■ NONE</u> <u>08/06/20</u> 		© Copyright Hanson Professional Services Inc. 2020	TBPE F-4 TBPLS F-1 TBPG F-5 TBAE F-E
		LAYOUT DRAWN	AJT/GR AJT/SB	08/06/19 08/06/19	Hanson Professional Services Inc. 4501 Gollihar Rd. Corpus Chrisiti, Texas 78411	Phone: (36 (80 www.hanso
6/2019 30/2020	"The Junction Where Good Friends Meet"	REVIEWED	RDN	08/06/19	Corpus Chinshi, Texas 76411	Offices Nat



TION 2	City of		■. <u>17L0017</u> <u>E-15-PP-3</u> NONE 08/06/20		© Copyright Hanson Professional Services Inc. 2020	TBPE F-41 TBPLS F-10 TBPG F-50 TBAE F-BF
2019)/2020	"The Junction Where Good Friends Meet"	LAYOUT DRAWN REVIEWED	AJT/GR AJT/SB RDN	08/06/19 08/06/19 08/06/19	Hanson Professional Services Inc. 4501 Gollihar Rd. Corpus Chrisiti, Texas 78411	Phone: (361 (800 www.hansor Offices Natio







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KEYED NOTES:

ELI	BOARD) SCHE	DULI	Ξ							
, 4 V	VIRE + G					ENCLOSURE RATING: SYM. INTERRUPT RATING:		4XSS			
/	PHASE	CkW	AMP	AMP	Щ	CIRCUIT					1
ΗT	LEFT	RIGHT	FRAME	TRIP	POLE	DESCRIPTION	PH	N	G	С	
8	41.99	4.31	100	80	2	TLC-B BUIILDING B (BY OTHERS)	#4	-	#8	1-1/4"	2
31	1.86	37.71	225	200	3	EX. PANELBOARD PP-3	#3/0	#3/0	#6	2"	
	30.52	_	100	60	3	EX. AC SURGE PROTECTOR (INTERNAL)	#6	#6	#6	-	
	-	_				SPACE	-	-	-	-	
	-	-				SPACE	-	-	-	-	
	-	_				SPACE	-	i.	-	-	
	-	-				SPACE	-	-	-	-	
IEC						TOTAL CONNECTED LOA	D(k)(A)	352	10		
	TED kVA /		-			TOTAL CONNECTED LOA TOTAL DEMAND LOA		302	. 19		
	EDAWP	J / FRAJE				I OTAL DEWIAND LOA	D (NVA):				

N.	TER S	CHE	DULI	E					
Е	PHASE				TRANSFORMER SIZE:	10kVA			
२ :	40 A								
Е	PHASE,	3 WIRE	E + G		ENCLOSURE RATING:	NEMA	1		
? :	60 A				SYM. INTERRUPT RATING:	10,000	Ą		
S	E B kW	CKT	AMP	щ	CIRCUIT				
	RIGHT	NO.	RAT.	POL	DESCRIPTION	PH	Ν	G	С
		2	20	2	EWH-C-1	#12	-	#12	3/4"
	1.50	4							
		6			SPACE	-	I	-	-
	-	8			SPACE	-	-	-	-
		10			SPACE	-	-	-	-
EC		/ PHA	SE		TOTAL CONNECTED LOAD (kVA):	4.1	15]	
EC	CTED AM	PS / PI	HASE		TOTAL DEMAND LOAD (kVA):			1	





'The Junction Where Good Friends Meet"	
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<u>Hanson N</u>	o. 17L0017	
Filename [E-16-Panel	<u>Schedule</u> s 1
Scale	NONE	
Date	08/06/20	19
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AJT/GR	08/06/19
AJT/SB	08/06/19
RDN	08/06/19
	AJT/SB

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1 CONTRACTOR TO ONLY PROVIDE CABLE AND CONDUIT FROM EXISTING HH-P13B TO TLC-C AS SHOWN ON SHEETS E-12 AND E-13. CIRCUIT BREAKER FOR TLC-C ON MDP-1 HAS ALREADY BEEN INSTALLED. CONDUIT AND WIRE FROM MDP-1 TO HH-P13B HAS ALREADY BEEN INSTALLED.

2 BUILDING B WORK BY OTHERS. SHOWN FOR REFERENCE ONLY.

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ELECTRICAL SCHEDULES - 1 OF 3



			BUIL	DINGS LU	MINAIRE SCHEDULE								
				LED L	UMINAIRES								
					BASIS OF DESIGN	LIC	GHT ENGINE	E	DRI	VER	MOUNTING		
MARK	VOLTS	VA	DESCRIPTION	MANUF.	CATALOG NUMBER	NOM. LUMENS	TEMP	CRI	TYPE	QTY	TYPE	DETA	
L1	120	12	2 FOOT STRIP FIXTURE	LITHONIA	MNSL L23 1LL 120V GZN 40K 80CRI M6	1100	4000K	80	E	1	SURFACE		
L5	120	33	4 FOOT ENCLOSED AND GASKETED VANDAL RESISTANT STRIP	LITHONIA	VAP 4000LM FST MD 120 35K 80CRI	4000	3500K	80	E	1	SURFACE		
W1	120	25	WALLPACK, CAST ALUMINUM BODY, GLASS LENS, FULL CUTOFF, FORWARD THROW OPTICS, EMERGENCY DRIVER	LITHONIA	WST LED P2 40K VF 120 DDBXD E7WH	3000	4000K	70	EM	1	WALL		
				EMERGE	NCYFIXTURES	Ļ		1	1	11		1	
MARK	VOLTS	VA	DESCRIPTION	MANUF.	CATALOG NUMBER	LAMP	SELF DIAG.	TEXT COLOR	BATI	TERY	MOUN TYPE	TING	
EM2	120	3.15	VANDAL RESISTANT DUAL HEAD EMERGENCY LIGHT	LITHONIA	EML4L SDRT WPVS	LED	Y	NA	NIC	AD	SURFACE		
EM E FL FL HAL H	OMPACT MERGEN UORESCI ALOGEN IGHT EMIT	CY ENT		BX BIAX DQT DOUBLE Q LED LIGHT EMIT QT QUAD TUBE TTT TRIPLE TWI	ITING DIODE	E LOW T	RONIC DIMN HD ELECTRO GENCY BAT NT START	ONIC	СК		M HPF MAG NA NOT APP PS PROGRA RS RAPID S	LICABL	



NUMBER	REVISION	DATE	DRAWN	DESIGNED	REVIEWED





<u>Hanson</u> N	o. 17L0017	
Filename	E-17-Panel	<u>Schedul</u> es 2
Scale	NONE	
Date	08/06/20	19
LAYOUT	AJT/GR	08/06/19
DRAWN	AJT/SB	08/06/19
REVIEWED	RDN	08/06/19

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ELECTRICAL SCHEDULES - 2 OF 3

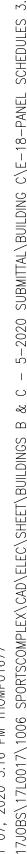


			E		ΛEΝ	IT CON	NECT	ION SCH	IEDULE	E - BUIL	.DIN	IG C							
	EQUIPME	лт				LOCAL DISCONNECT													
	DESCRIPTION	ELECTRICAL DATA					RECEPT.	SWITCH	FUSE	Щ	ENCL.				ENCL.	CONTROL			
TAG	NAME	BY	LOAD	VOLTS	PH	BY	TYPE	CONFIG.	/ FRAME	/ TRIP	POLE	TYPE	BY	TYPE	SIZE	TYPE	DIAGRAM	COMMENTS	
EF-C-1	EXHAUST FAN - TOILETS	MECH	0.25 HP	120	1	INT							ELECT	LCS				1, 2	
EWH-C-1	ELECTRIC WATER HEATER	PLMB	3000 W	240	1	NONE							INT						
EWC-C-1	ELECTRIC WATER COOLER	PLMB	400 W	120	1	ELECT	C&P	5-20R					INT						
	TRADES (BY)	LOCAL DISCONNECT TYPES						CONTROLLER TYPES ENCLOSURE TY							OSURE TY	PES			
INT	INTEGRAL WITH EQUIPMENT		СВ	ENCLOS	SED (CIRCUIT B	REAKER	2	FVNR	FULL VOL	TAG	E NON-R	EVERSING	3	1	1 INDOOR, DRY			
GEN	GENERAL		COMB	COMBIN	ATIO	N STARTE	R/CONT	ROLLER	FVR	FULL VOL	TAG	E REVER	SING		3R	WET, NO	ON-CORRO	SNE	
PLMB	PLUMBING		C&P	CORD A	ND F	LUG CON	NECTIO	N	LCS	LIGHTING	IOO	NTROL SY	/STEM		4X	WET, CO	ORROSIVE		
MECH	MECHANICAL		MS	MANUAL	STA	RTER			MS	MANUAL S	STAR	RTER			4XSS	WET, CO	ORROSIVE,	HARSH	
TEMP	TEMPERATURE CONTROLS		SW	SAFETY	SWI	ТСН			RVSS	REDUCE	D VO	LTAGE S	OLID STA	TE		CONDIT	IONS (STAIN	ILESS STEEL	
ELECT	ELECTRICAL		TS	TOGGLE	E SW	ПСН			T-STAT	THERMOSTAT					6	EXPLOSION PROOF			
OWNER	BY OWNER (NIC)								TS	TOGGLE	SWI	ГСН			12	INDOOF	R, OIL & DUS	T TIGHT	
									VFD	VARIABLE	E FRE		/ DRIVE						

COMMENTS:

1. FAN PROVIDED WITH INTEGRAL MANUAL SPEED CONTROLLER FOR BALANCING.

2. CONNECT EXHAUST FAN TO OPERATE WHENEVER EITHER TOILET'S LIGHTS ARE ON.

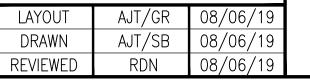


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Hanson N	o. 17L0017	
Filename	E-18-Panel	<u>Schedul</u> es
Scale	NONE	
Date	08/06/20	19
LAYOUT	AJT/GR	08/06/19



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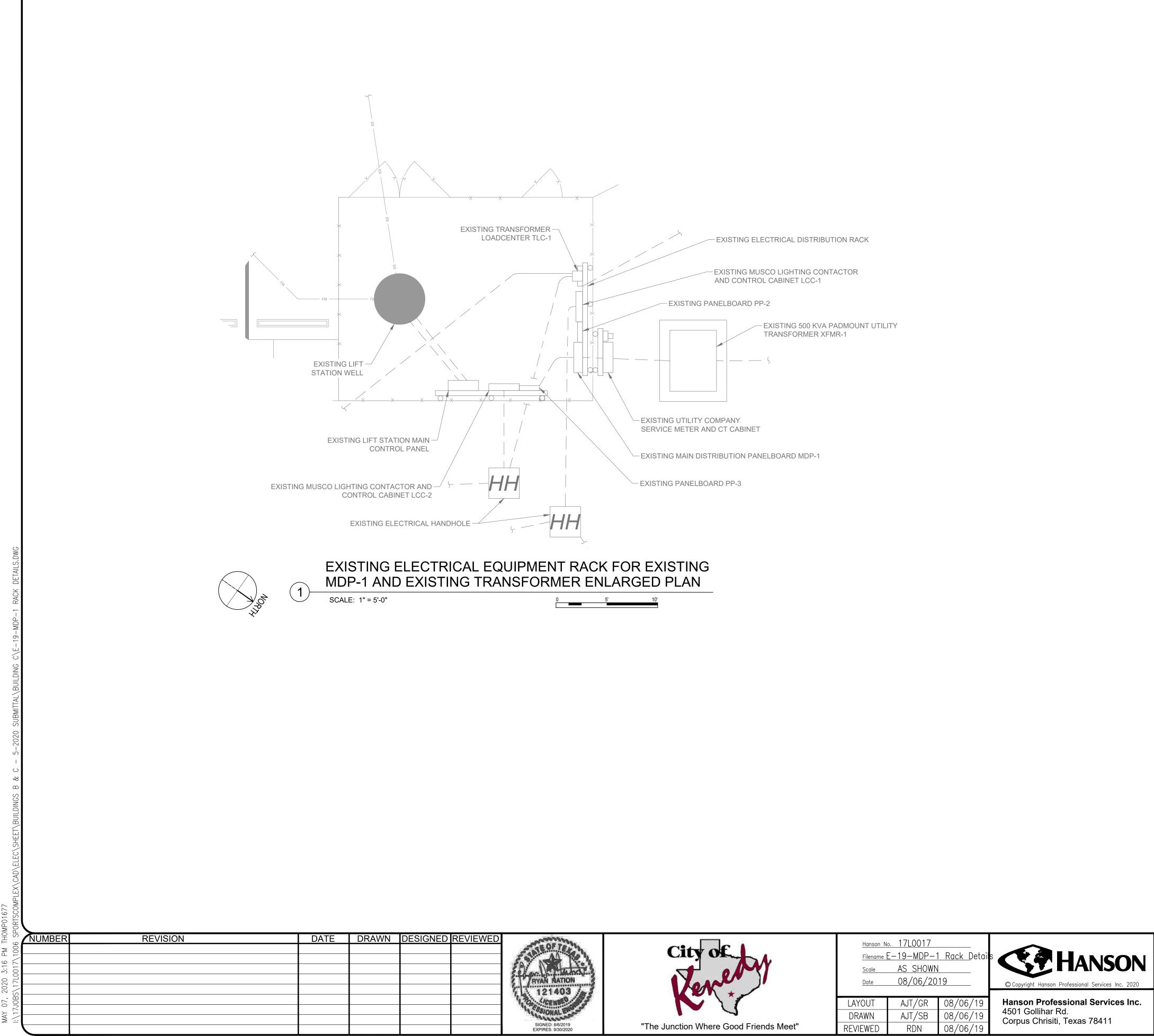
Hanson Professional Services Inc. 4501 Gollihar Rd. Corpus Chrisiti, Texas 78411

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ELECTRICAL SCHEDULES - 3 OF 3





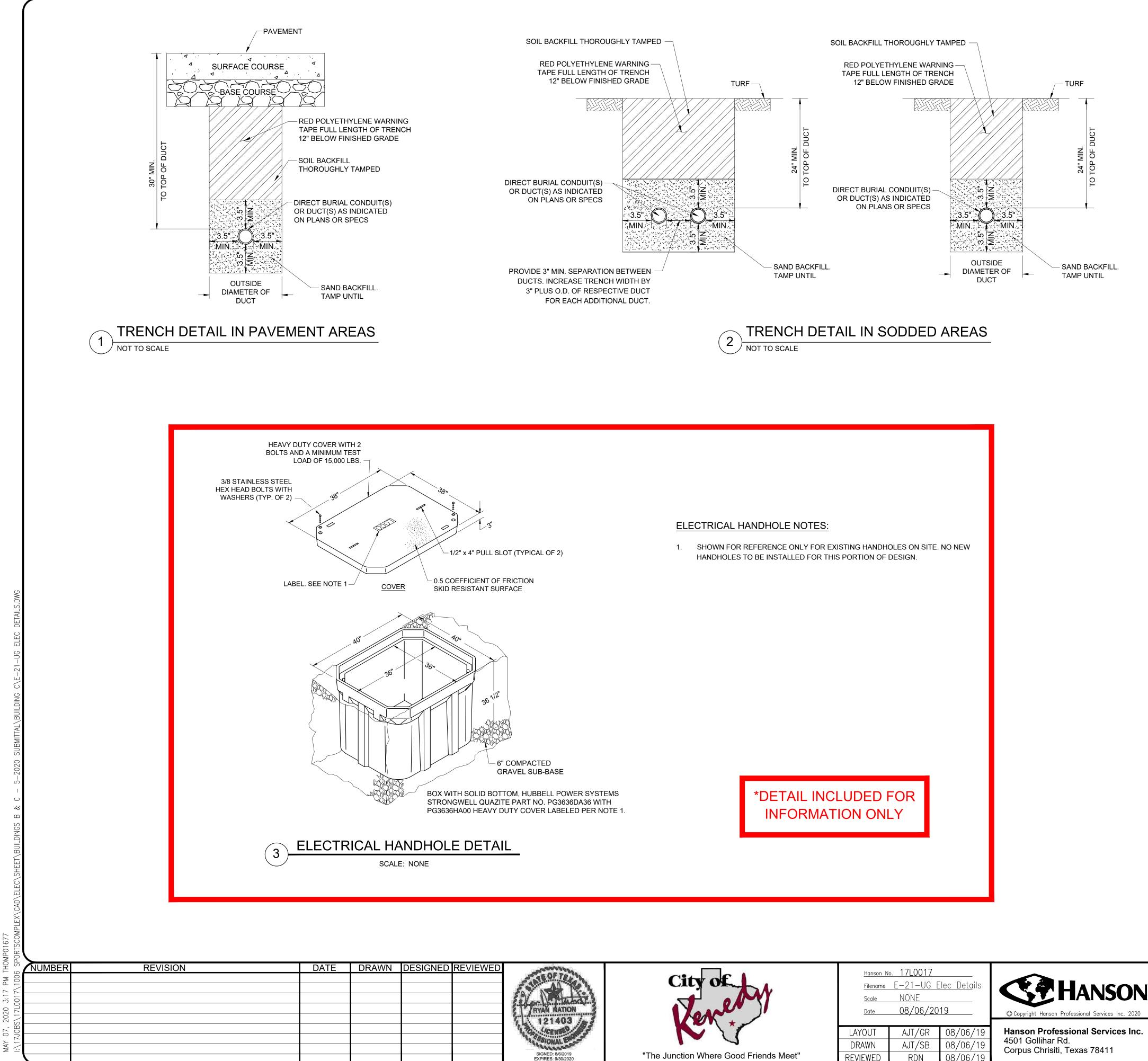
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*SHEET INCLUDED FOR **INFORMATION ONLY**

MDP-1 RACK DETAILS AND PLAN





Hanson N	<u>o. 17L0017</u>	
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Date	08/06/20	19
LAYOUT	AJT/GR	08/06/19

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Offices Nationwide

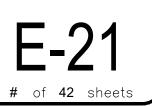
DUCT BANK NOTES:

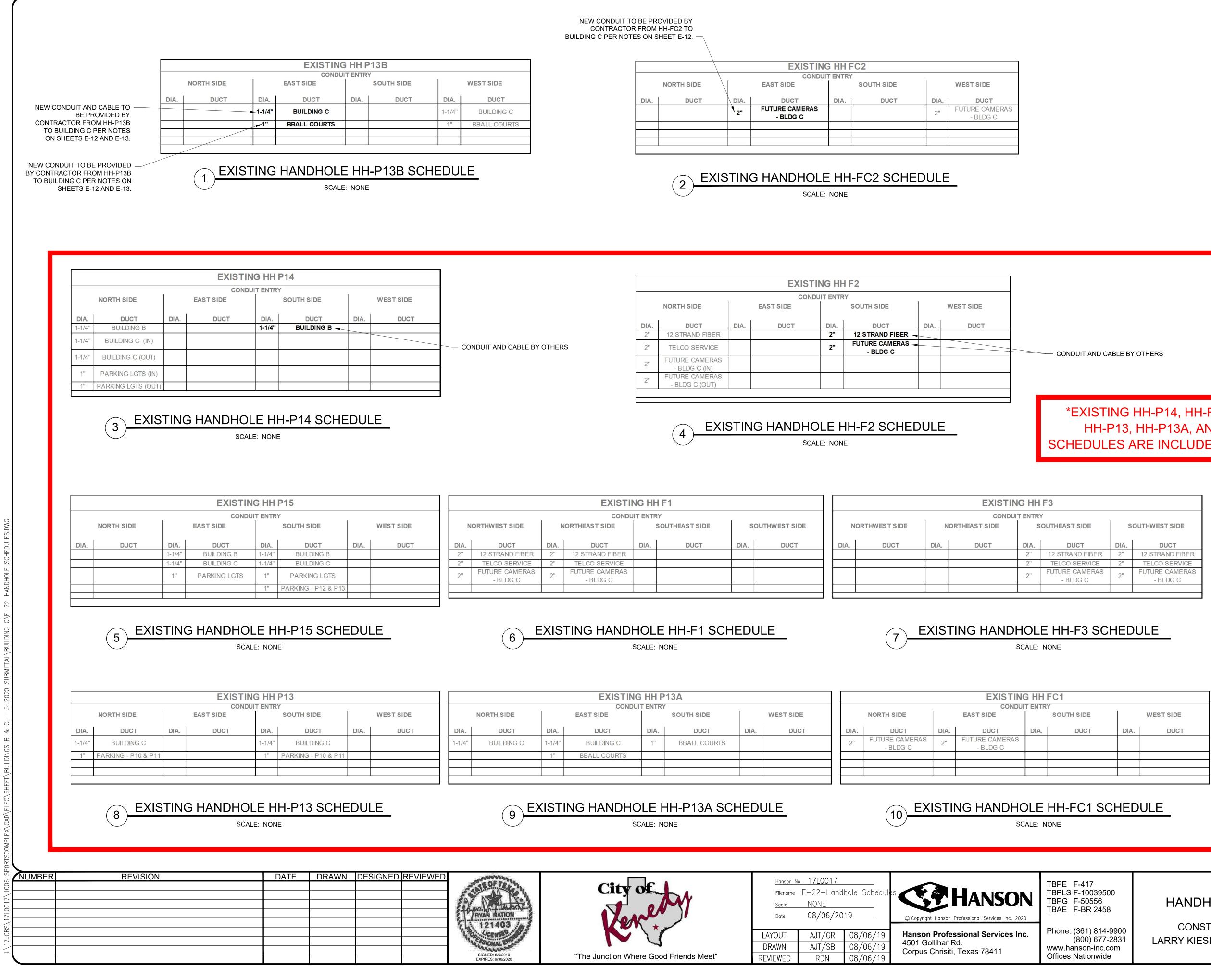
- 1. DIMENSIONS FOR COVERAGE AND SEPARATION BETWEEN DUCTS ARE MINIMUM.
- 2. TRENCHES WITH MORE THAN TWO CONDUITS OR DUCTS SHALL BE INCREASED 3 INCHES IN WIDTH PLUS DIAMETER OF RESPECTIVE DUCT FOR EACH ADDITIONAL CONDUIT, OR DUCT; IF SPECIFIED ON PLANS TWO PARALLEL TRENCHES MAY BE CONSTRUCTED.
- 3. DEPTH OF TRENCHES SHALL BE AS SHOWN ABOVE UNLESS OTHERWISE SPECIFIED ON THE PLANS. MINIMUM COVER REQUIREMENTS FOR DUCTS LOCATED IN TURF AREAS IS 24 INCHES. MINIMUM COVER REQUIREMENTS FOR DUCTS LOCATED BELOW PAVEMENT IS 30 INCHES, COVER IS DEFINED AS THE SHORTEST DISTANCE IN INCHES MEASURED BETWEEN A POINT ON THE TOP SURFACE OF ANY DIRECT-BURIED CONDUCTOR, CABLE, CONDUIT, OR OTHER RACEWAY AND THE TOP SURFACE OF FINISHED GRADE, CONCRETE OR SIMILAR COVER.
- 4. COMMUNICATION CIRCUITS SHALL NOT BE INSTALLED IN THE SAME RACEWAY, CONDUIT, DUCT, OR HANDHOLE WITH POWER CIRCUITS.
- 5. DUCT AND CONDUIT INTERFACE TO HANDHOLES OR MANHOLES WILL BE CONSIDERED INCIDENTAL TO THE RESPECTIVE DUCT WORK.
- 6. ALL DISTURBED SURFACES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION. COST IS INCIDENTAL TO TRENCH.
- 7. DIRECT BURIED ELECTRICAL CONDUIT'S OUTSIDE EDGES TO MAINTAIN A MINIMUM OF 6 INCHES SEPARATION IN ALL DIRECTIONS OF ALL OTHER UNDERGROUND SITE UTILITY PIPING'S OUTSIDE EDGES. ELECTRICAL CONDUIT MAY BE INSTALLED ABOVE OR BELOW OTHER UTILITIES SO LONG AS BOTH MINIMUM COVER AND MINIMUM VERTICAL CLEARANCE HAVE BEEN MET.

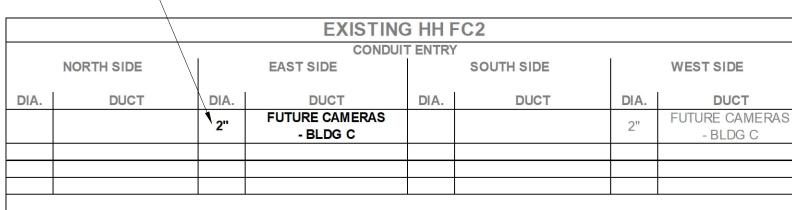
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UNDERGROUND ELECTRIC DETAILS







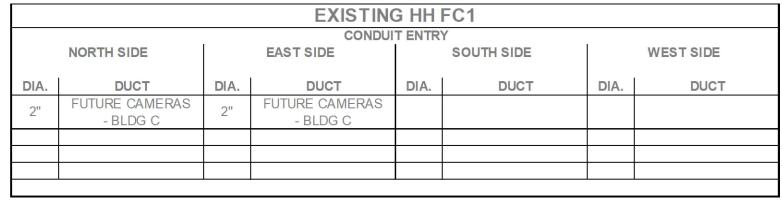
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			EXISTI	NG HH	1 F2				
			CONDU	JIT ENTR	RY			1	
	NORTH SIDE		EAST SIDE		SOUTH SIDE		WEST SIDE		
DIA.	DUCT	DIA.	DUCT	DIA.	DUCT	DIA.	DUCT		
2"	12 STRAND FIBER			2"	12 STRAND FIBER 🔫]	
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2				-	- BLDG C				
2"	FUTURE CAMERAS								
2	- BLDG C (IN)								
2"	FUTURE CAMERAS								
2	- BLDG C (OUT)								
					1			1 _	
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EXISTING HH F1										
CONDUIT ENTRY										
STSIDE	N	IORTHEAST SIDE	SOUTHEAST SIDE		SOUTHWEST SIDE					
DUCT	DIA.	DUCT	DIA.	DUCT	DIA.	DUCT				
RAND FIBER	2"	12 STRAND FIBER								
O SERVICE	2"	TELCO SERVICE								
E CAMERAS BLDG C	2"	FUTURE CAMERAS - BLDG C								

EXISTING HH F3									
CONDUIT ENTRY									
N	ORTHWEST SIDE	N	IORTHEAST SIDE	s	OUTHEAST SIDE	S	OUTHWEST SIDE		
							1		
DIA.	DUCT	DIA.	DUCT	DIA.	DUCT	DIA.	DUCT		
				2"	12 STRAND FIBER	2"	12 STRAND FIBER		
				2"	TELCO SERVICE	2"	TELCO SERVICE		
				2"	FUTURE CAMERAS	2"	FUTURE CAMERAS		
				_	- BLDG C		- BLDG C		



EXISTING HH P13A									
CONDUIT ENTRY									
SIDE		WEST SIDE							
DUCT	DIA.	DUCT	DIA.	DUCT	DIA.	DUCT			
LDING C	1-1/4"	BUILDING C	1"	BBALL COURTS					
	1"	BBALL COURTS							



GENERAL NOTES

1. ALL CONDUIT RUNS THAT ARE NOTED ON THE HANDHOLE SCHEDULES ARE EXISTING UNLESS NOTED OTHERWISE.

*EXISTING HH-P14, HH-F2, HH-P15, HH-F1, HH-F3, HH-P13, HH-P13A, AND HH-FC1 HANDHOLE SCHEDULES ARE INCLUDED FOR INFORMATION ONLY

HANDHOLE & IT SCHEDULES

