

168 College Ave, Orono, ME 04469



1865 THE UNIVERSITY OF MAINE University of Maine Softball Complex 2022



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1. ALL WORK SHALL COMPLY WITH FEDERALLY MANDATED ADA REQUIREMENTS OF THE CITY OF ORONO AND STATE OF MAINE, AND ALL APPLICABLE CODES AND STANDARDS IN ACCORDANCE WITH THE 2015 INTERNATIONAL BUILDING CODE, AND ANY OTHER APPLICABLE CODES AND STANDARDS OF REGULATORY AGENCIES HAVING JURISDICTION.

2. COMPLY WITH EPA REGULATIONS AND DISPOSAL REGULATIONS OF AUTHORITIES HAVING JURISDICTION.

3. THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION OF ALL PROTECTION AROUND ANY OPENINGS IN ACCORDANCE WITH OSHA (OCCUPATIONAL SAFETY AND HEALTH ACT) STANDARDS.

4. IT IS NOT EXPECTED THAT HAZARDOUS MATERIALS WILL BE ENCOUNTERED IN THE WORK. A HAZARDOUS MATERIAL SURVEY IS NOT ON FILE. IF THE CONTRACTOR DISCOVERS ANY HAZARDOUS MATERIALS, STOP WORK IMMEDIATELY AND NOTIFY THE OWNER.

5. IF THE CONTRACTOR DISCOVERS DAMAGED STRUCTURAL MATERIAL, STOP WORK IMMEDIATELY AND NOTIFY THE ARCHITECT AND STRUCTURAL ENGINEER OF RECORD.

6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND INVESTIGATE IT THOROUGHLY PRIOR TO BIDDING ON THE PROJECT.

7. THE WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS AND THE CONTRACT DRAWINGS. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES WITHIN OR BETWEEN THE SPECIFICATIONS AND THE CONTRACT DRAWINGS TO THE ARCHITECT IN WRITING FOR CLARIFICATION PRIOR TO IMPLEMENTING WORK. NO ALLEGED ORAL ADMISSION, CONDEMNATION, OR INADVERTENT NEGLECT ON THE PART OF THE ARCHITECT WILL BE ACCEPTED AS AN EXCUSE FOR INFERIOR WORK.

8. CONTRACTOR SHALL USE EXTREME CARE AND TAKE PRECAUTION DURING CONSTRUCTION SO AS NOT TO DAMAGE EXISTING ADJACENT FACILITIES. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRS TO ANY ELEMENTS, INCLUDING STRUCTURE, WHICH ARE TO REMAIN AND THAT HAVE BEEN DAMAGED DURING THE DEMOLITION PROCESS TO THE COMPLETE SATISFACTION OF THE OWNER. THE REPAIRS SHALL BE AT NO EXPENSE TO THE OWNER. ALL STRUCTURAL RELATED REPAIR WORK SHALL BE DESIGNED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED AND SUBMITTED TO THE ARCHITECT AND SEOR FOR REVIEW AND APPROVAL PRIOR TO COMMENCING REPAIR WORK.

9. SHOULD ANY DOUBT OR QUESTION ARISE WITH RESPECT TO THE TRUE MEANING OF THE DRAWINGS OR SPECIFICATIONS, REFERENCE SHALL BE MADE TO THE ARCHITECT WHOSE DECISIONS THEREON SHALL BE FINAL AND CONCLUSIVE.

10. THE CONTRACTOR IS RESPONSIBLE FOR TEMPORARY DIRECTIONAL SIGNAGE AS WELL AS CONSTRUCTION SIGNAGE NOTIFYING THE PUBLIC OF CONSTRUCTION LIMITS.

11. CONTRACTOR SHALL NOT ENGAGE IN ANY ACTIVITY WHICH MAY ENDANGER THE PUBLIC.

12. CONTRACTOR IS REQUIRED, PRIOR TO THE START OF CONSTRUCTION, TO SURVEY THE AREAS WHICH WOULD BE AFFECTED BY THE CONSTRUCTION FOR DOCUMENTATION OF EXISTING DAMAGES.

13. ALL DIMENSIONS OF EXISTING CONSTRUCTION ARE TO PROVIDE THE CONTRACTOR WITH APPROXIMATE SIZES AND ARE NOT INTENDED TO BE USED FOR CONSTRUCTION PURPOSES. ALL DIMENSIONS SHOULD BE VERIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
14. REFER TO SURVEY AND CIVIL ENGINEERING DRAWINGS FOR EXISTING CONSTRUCTION RELATED TO SITE UTILITIES. CONTACT ALL UTILITY COMPANIES

BEFORE COMMENCING DEMOLITION ACTIVITIES. COORDINATE WITH UTILITY COMPANIES TO DISCONNECT, REMOVE, AND RELOCATE UTILITIES FROM THE SITE AS NECESSARY. EXISTING UTILITY IMPROVEMENTS SHOWN ARE LOCATED FROM A SITE SURVEY AND AVAILABLE UTILITY RECORDS. NOT ALL SURFACE OR SUBSURFACE IMPROVEMENTS MAY BE SHOWN. CONTRACTOR SHALL VERIFY ACTUAL LOCATION OF UTILITIES WITH RESPECTIVE OWNERS AS REQUIRED TO PREVENT DAMAGE BY HIS OPERATIONS. CONTRACTOR SHALL LOCATE APPLICABLE REFERENCE OR LAY-OUT POINTS AND TAKE PRECAUTIONS TO PREVENT THEIR DESTRUCTION.

15. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER'S REPRESENTATIVE FOR THEIR NEED TO ACCESS THE SITE OR ADJACENT ON-SITE FACILITIES THROUGHOUT THE DURATION OF CONSTRUCTION. CONTRACTOR SHALL ALSO TAKE MEASURE TO MAINTAIN ACCEPTABLE VEHICULAR/TRUCK ACCESS FOR THE DURATION OF CONSTRUCTION AS REQUESTED BY THE OWNER. NO CONTRACTOR PERSONAL VEHICULAR PARKING ON-SITE WILL BE ALLOWED.

16. ERECT AND MAINTAIN DUSTPROOF PARTITIONS. COVER AND PROTECT FIXTURES, FURNISHINGS AND EQUIPMENT THAT ARE TO REMAIN. 17. CONSTRUCTION MANAGER TO BE RESPONSIBLE FOR THE ERECTION AND REMOVAL OF ANY TEMPORARY FACILITIES.

18. THE CONTRACT DRAWINGS SHALL NOT BE SCALED FOR DETERMINATION OF QUANTITIES, LENGTHS, FIT OR MATERIALS, ETC.

19. THE CONTRACTOR IS ALLOWED TO STORE MATERIALS ON THE SITE AS APPROVED BY THE OWNER'S REPRESENTATIVE. THE OWNER WILL NOT BE LIABLE FOR THE SECURITY OF ANY SUCH MATERIAL STORED ON SITE.

20. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY LIGHTS THROUGHOUT CONSTRUCTION PERIOD FOR AREAS WHICH PUBLIC SAFETY WOULD BE OF CONCERN, OR AS DIRECTED BY THE OWNER.

21. THE CONTRACTOR IS REQUIRED TO PROVIDE EQUIPMENT AND TOOLS REQUIRED OR NECESSARY FOR THE OWNER'S REPRESENTATIVE, ARCHITECT, OR ENGINEER TO REVIEW THE CONSTRUCTION IN PROGRESS DURING AND UPON COMPLETION. THE OWNER OR OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO INSPECT ANY MATERIAL, FABRICATION, OR WORKMANSHIP, AT ANY TIME, IN THE FIELD OR SHOP FOR CONFORMANCE TO THE SPECIFICATIONS AND DRAWINGS.

22. DETAILS, SECTIONS, AND NOTES DESIGNATED AS "TYPICAL" ARE INTENDED TO SHOW INTENT. THEY SHALL ALSO APPLY TO SIMILAR SITUATIONS ELSEWHERE, UNLESS OTHERWISE NOTED OR AGREED TO BY THE ARCHITECT. 23. TRAFFIC: MINIMIZE INTERFERENCE WITH ADJOINING ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED OR USED FACILITIES DURING SITE

CLEARING OPERATIONS. 24. PROVIDE WEATHER TIGHT ENCLOSURE AND SECURE CLOSURES FOR ANY BUILDING OPENINGS LEFT OPEN OVERNIGHT (i.e. WINDOW & DOOR

OPENINGS, ETC.). THE CONTRACTOR IS RESPONSIBLE FOR ANY BREACHES OF SECURITY, WEATHER AND WATER INFILTRATION OR DAMAGE CAUSED AS A RESULT OF INSUFFICIENT PROTECTION. 25. ALL TREES NOT INDICATED FOR REMOVAL SHALL BE LEFT IN PLACE AND PROTECTED BY THE CONTRACTOR. ANY TREES DAMAGED DUE TO THIS PROJECT SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. ANY TREE WITHIN THE CONSTRUCTION LIMITS NOT TO BE REMOVED SHALL BE

PROTECTED AND HAVE A FENCE PLACED AROUND THE PERIMETER AT THE DRIP-LINE WHICH SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT. REF: TREE PROTECTION DETAILS ON SHEET C-D001.

26. THE CONTRACTOR IS REQUIRED TO ENGAGE IN AN ON-SITE PRE-PLANNING MEETING WITH THE OWNER'S REPRESENTATIVE PRIOR TO THE BEGINNING OF WORK SHOWN HEREIN.

27. PROVIDE STRUCTURAL STEEL LINTELS OVER OPENINGS AS DETAILED OR SPECIFIED IN THE STRUCTURAL DRAWINGS. ALL STRUCTURAL STEEL LINTELS FOR MASONRY WALLS WITH MASONRY VENEER TO HAVE INTEGRAL STRUCTURAL PLATE FOR VENEER SUPPORT. PROVIDE LOOSE LINTELS AS DETAILED ON THE ARCHITECTURAL DRAWINGS.

28. ALL STEEL LINTELS AND LOOSE LINTELS FOR EXTERIOR DOORS, WINDOWS, AND EXTERIOR OPENINGS ARE TO BE HOT- DIPPED GALVANIZED.
29. PROVIDE MASONRY LINTELS AT MASONRY WALLS FOR MECHANICAL OPENINGS. LINTELS FOR MECHANICAL OPENINGS IN MASONRY WALLS TO BE COORDINATED BY THE MECHANICAL CONTRACTOR AND PROVIDED BY THE MASONRY CONTRACTOR. LINTELS FOR MECHANICAL OPENINGS IN METAL STUD WALLS TO BE COORDINATED BY THE MECHANICAL CONTRACTOR AND PROVIDED BY THE MASONRY CONTRACTOR. LINTELS FOR MECHANICAL OPENINGS IN METAL STUD WALLS TO BE COORDINATED BY THE MECHANICAL CONTRACTOR AND PROVIDED BY THE STUD WALL CONTRACTOR.
30. CONTRACTOR SHALL LOCATE APPLICABLE REFERENCE OR LAY-OUT POINTS AND TAKE PRECAUTIONS TO PREVENT THEIR DESTRUCTION.

31. ISOLATION JOINT MATERIAL IS TO BE INSTALLED AT ALL CONCRETE SLAB AND MASONRY WALL INTERSECTIONS (VERTICAL)

32. PROVIDE BLOCKING AT ALL WALL MOUNTED EQUIPMENT, INCLUDING BUT NOT LIMITED TO, TOILET ROOM ACCESSORIES, SHELVING RACKS AND WALL-MOUNTED FIXTURES. STRAP BLOCKING IS ACCEPTABLE IN LIEU OF WOOD (SEE NOTE 20 BELOW)

G14 GENERAL NOTES

1. UNLESS OTHERWISE NOTED, CONTRACTOR SHALL PATCH AND REPAIR OR RESTORE AND REFINISH (AS APPLIES) ALL ADJACENT SURFACES AFFECTED BY DEMOLITION ACTIVITIES.

2. CONTRACTOR SHALL COMPLETELY REMOVE ALL DEMOLISHED MATERIALS FROM SITE. ALL DEMOLISHED MATERIALS WILL BECOME PROPERTY OF THE CONTRACTOR UNLESS THEY ARE TO BE REUSED, OR AS OTHERWISE NOTED OR INSTRUCTED, AND TO BE DISPOSED OF LEGALLY. REMOVE DEBRIS, RUBBISH, AND OTHER MATERIALS DAILY FROM CONSTRUCTION SITE. COORDINATE DUMPSTER LOCATION AND ACCESS WITH OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL INCLUDE IN THEIR BID THE COST OF REMOVING DEMOLISHED MATERIALS FROM THE SITE IN ACCORDANCE WITH ALL APPLICABLE LAWS, CODES, AND REGULATIONS.

3. THE EXISTING CONDITIONS AND FRAMING INDICATED IN THE DRAWINGS IF FOR REFERENCE ONLY AND ARE BASED ON SURVEYS AND INFORMATION PROVIDED BY OTHERS. NO CLAIM IS MADE AS TO THEIR ABSOLUTE COMPLETENESS AND/OR ACCURACY. PRIOR TO THE START OF CONSTRUCTION AND FABRICATION, THE CONTRACTOR SHALL SURVEY AND FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS. VERIFY THE EXACT EXTENT OF DEMOLITION AT THE SITE. DETERMINE THE NATURE AND EXTENT OF DEMOLITION THAT WILL BE NECESSARY BY COMPARING THE CONTRACT DOCUMENTS WITH THE EXISTING CONSTRUCTION. ANY DISCREPANCIES FOUND ON SITE IN RELATION TO THE INFORMATION PROVIDED HEREIN AND EXISTING CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN PROFESSIONALS IMMEDIATELY PRIOR TO CONSTRUCTION.

 PRIOR TO COMMENCING DEMOLITION WORK, THE CONTRACTOR SHALL VERIFY LOCATIONS OF ALL UTILITIES AND MAKE PROVISIONS THAT NO INTERRUPTION OF SERVICES OCCUR. COORDINATE ANY SERVICE INTERRUPTIONS WITH OWNER'S REPRESENTATIVE.
 VERIFY THAT THE SCOPE OF DEMOLITION INDICATED ON THE CONTRACT DOCUMENTS SHALL NOT DAMAGE, CUT OR DISRUPT SERVICE OF ANY

MECHANICAL SYSTEM, ELECTRICAL SYSTEM OR UTILITY EMBEDDED IN THE EXISTING STRUCTURE.

6. ALL MATERIALS NOT REQUIRED TO BE REMOVED FOR THE EXECUTION OF THE PROJECT SHALL BE LEFT IN PLACE AND PROTECTED FROM DAMAGE DURING DEMOLITION. ANY ITEMS DAMAGED DURING DEMOLITION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
7. CUT AND REMOVE PORTIONS OF EXISTING CONSTRUCTION AS REQUIRED TO ALLOW FOR PROPER INSTALLATION OF NEW CONSTRUCTION.

8. ALL DASHED LINES ON DEMOLITION PLANS INDICATE ITEMS TO BE REMOVED.

9. WHERE EXISTING INTERIOR PARTITIONS ARE TO BE REMOVED, REMOVE TO UNDERSIDE OF STRUCTURE AS INDICATED ON PLAN.

10. THE CONTRACTOR IS FULLY RESPONSIBLE FOR THE MEANS AND METHODS OF DEMOLITION AND THE INTEGRITY AND STABILITY OF THE EXISTING STRUCTURE DURING DEMOLITION UNTIL THE WORK IS COMPLETED. THE CONTRACTOR SHALL PROVIDE SHORING IN REQUIRED LOCATIONS WHERE EXISTING CONSTRUCTION TO REMAIN WILL BE AFFECTED BY DEMOLITION. PROVIDE AND MAINTAIN SHORING, BRACING, OR STRUCTURAL SUPPORT TO PRESERVE BUILDING STABILITY AND PREVENT MOVEMENT, SETTLEMENT AND COLLAPSE. THE CONTRACTOR SHALL PROVIDE ALL SUPPLEMENTAL MATERIAL REQUIRED TO PROPERLY INSTALL, SUPPORT, AND BRACE ALL ITEMS AND COMPONENTS WITHIN THE WORK.

11. THE CONTRACTOR SHALL USE QUALIFIED, EXPERIENCED PERSONNEL FOR DEMOLITION AND REMOVAL OPERATIONS. PERFORM DEMOLITION AND REMOVAL OPERATIONS IN A CAREFUL AND ORDERLY MANNER TO PREVENT HAZARDS TO PERSONS, DAMAGE TO PROPERTY, AND THE SPREADING OF DUST AND DEBRIS.

12. DO NOT PERMIT PORTIONS OF THE STRUCTURE TO FALL NOR DEBRIS TO DROP EXCEPT BY METHODS WHICH WILL INSURE INTEGRITY OF THE STRUCTURE.

13. WHERE NEW OPENINGS IN EXISTING CONCRETE SLABS, WALLS OR RISERS ARE TO BE CREATED, THE DEMOLITION CONTRACTOR SHALL CORE HOLES AT THE OUTSIDE CORNERS OF THE NEW OPENING PRIOR TO DEMOLITION. SAW-CUT AND DEMOLISH ITEMS ONLY AFTER THE INSTALLATION OF ALL REQUIRED NEW STRUCTURAL FRAMING AND/OR REINFORCEMENT IN PLAN OR SECTION, UNLESS OTHERWISE NOTED. SAW CUTTING SHALL BE STRAIGHT AND SHALL NOT EXTEND INTO EXISTING ELEMENTS TO REMAIN NOR BEYOND THE HOLES CORED AT THE CORNERS OF THE NEW OPENING.
14. NEATLY CUT OPENINGS AND HOLES PLUMB. SQUARE, AND TRUE TO DIMENSIONS REQUIRED. USE CUTTING METHODS LEAST LIKELY TO DAMAGE

CONSTRUCTION TO REMAIN OR ADJOINING CONSTRUCTION. DO NOT REMOVE MORE OF THE EXISTING STRUCTURE AND ELEMENTS THAN INDICATED ON THE CONTRACT DOCUMENTS. DO NOT DAMAGE, MAR, CUT OR DEFACE THE REMAINING STRUCTURE OR MATERIALS TO BE REUSED. 15. SALVAGEABLE IMPROVEMENTS: CAREFULLY REMOVE ITEMS INDICATED TO BE SALVAGED, PROTECT AND STORE ON OWNER'S PREMISE WHERE

GENERAL DEMOLITION NOTES

INDICATED.





WBRC CAD FILE: PROJECT No. SCALE:





SHEET Sports/

WBRC CAD FILE: PROJECT No. SCALE:

19

20





SCALE:



DEFINITIONS AND GENERAL REQU	IREMENTS	3.00 Exit Capacity
1.00 Applicable Codes:		A. The total width of means of egress multiplie
 2015 International Existing Bui ICC/ANSI A117.1 2009 Access 	lding Code (IEBC) sible and Usable Buildings and Facilities Standard	0.3 inc (40 pers
2010 ADA Guidelines 2015 International Energy Con 2015 International Machanization	servation Code (IECC), without Amendments Code (IMC), with Amendments	B. Where occupants egress occupant load shall be the
2020 National Electric Code (N 2021 Uniform Plumbing Code)	EC) NFPA-70 (UPC)	spaces. Design of egress of all rooms, areas or space
Fire Code: 2018 NFPA 1, with Standard for Installation of Spr National Fire Aleren and C	Amendments inkler Systems of Maine: 2016 NFPA 13, without Amendments ing Code of Maine: 2019 NEPA 72, without Amendments	the path of egress travel u
Life Safety Code: 2018 NFPA AHSRAE 62.1 – 2016 (Ventilat	101, with Amendments ion for Acceptable Indoor Air Quality)	4.00 Exit Capacity Calculations
 ASHRAE 90.1 – 2016 (Energy editions without addenda. 	Standard for Buildings except Low-Rise Residential Buildings),	5.00 Number of Exits Required A. Two exits, or exit access
Code Approach: non-separated mixed-use occupar	ncy approach is used per IBC Sec. 508.3. Group S occupancies are	roof shall be provided whe The occupant The exit acce
e Group Primary: A-5 Assembly (II	d to be fire resistive rated separated from the main occupancies. 3C Sec. 303.6)	determined in Table 1006.3.1 MINIMUM N
.00 Use Groups (Chapter 3):		Story 1-500 501-1.000
 A-5, Stadium, Grandstand (See A-3, Fitness Areas, without spe S.1. Starsan (Section 211.2) 	ction 303.6). ectator seating (Section 303.4).	More than 1,000 Table 1006.3.3(2) STORIES
S-1, Storage (Section 311.2).	og Aroa and Building Height (Sections 503, 504 and 505)	Story
A. Mixed Use and Occupancy: The height and area restriction	s of the building are based upon the most restrictive use. Fire	basement Second story Third story and
resistive rated occupancy sepa be individually classified as to i building based on the use of th	rations are therefore not required. Each portion of the building shall use. All other code requirements shall apply to each portion of the at space except that the most restrictive applicable provisions of	above
Chapter 9 shall apply to these uses (Section 508.3.3), except allowed to be included with the	non-separated uses. Fire separations are then not required between as required by other specific provisions. Accessory occupancies are main occupancy.	B. Three or more exits or exi load of 501 to 1,000. Fou occupant load greater tha
B. The permitted construction type shall be as follows (Table 601) The Stadiums are separated B	e shall be: <u>Type IIB</u> (noncombustible) and the protective requirements and 602): uildings.	6.00 Accessible Means of Egree
Structural Frame	0 hr.	A. Accessible spaces shall b more than one means of e space, each accessible po of ecross
Bearing Walls	Exterior—0 hr.	B. Each required accessible one or more of the following
	Interior—0 hr. (Not less than the fire-resistance rating required by other sections of this code.)	Accessible rou Interior exit sta Interior exit acc
Nonbearing Walls and Partitions Exterior	0 hr with less than 30 feet of separation to the adjacent property line pending on type of construction; 0 hr with more than 30 feet of separation to the adjacent property line.	 Exterior exit station that the level of Elevators compared to the state of the stat
Nonbearing Walls and Partitions Interior	0 hr.	 Platform lifts contract of the second seco
Floor construction including support beams and joists	(Not less than the fire-resistance rating required by other sections of this code.) 0 hr.	Areas of refuge Exterior areas level of exit dis
Roof construction	0 hr.	7.00 Egress Arrangement
	and 504 4):	A. Where the means of egree capacity of the means of e minimum width or the sum
 Building Heights (Table 504.3 a The general height limitation not equipped throughout w Softhall Hitting Per 	and 504.4): on for Type II-B construction and A Occupancies is 55'-0" for Buildings ith an automatic sprinkler system. rilion: 24'-0" Height.	stories, whichever is large B. Egress from a room or spi
 Softball Press Box 	: 35'-0" Height.	where such adjoining roor provide a discernible path that can be locked to prev
 The number of stories abo A-3 Occupancy not equipp Softball Press Box 	ve grade plane is Unlimited for an A-5 Occupancy and 2-stories for an ed throughout with an automatic sprinkler system. (A-5): 2 Stories	C. Common Path of Egress
 Softball Dugouts (/ Softball Hitting Pay D. Allowable Building Areas (Table) 	rilion (A-3): 1 Story e 506.2):	D. Exit Access Travel Distan Table 1017.2 EXIT ACCESS
The allowable area for Typ square feet for an A-3 Occ	e II-B construction is Unlimited for an A-5 Occupancy and 9,500 upancy not equipped throughout with an automatic sprinkler system.	Occupancy A, S-1
 Softball Hitting Pare E. Spaces under Grandstands an Where spaces under grand 	vilion (A-3): 4,180 sf. d Bleachers (Section 1029.1.1.1): Istands or bleachers are used for purposes other than ticket booths	E. Travel Distance (Section building exterior shall not Type II construction
less than 100 sf and toilet i Section 707 and horizontal resistance-rated constructi	coms, such spaces shall be separated by fire barriers complying with assemblies comply with Section 711 with not less than 1-hour fire- on.	F. Dead End Corridors (IBC
5.00 Separation distances between	adjacent buildings on the same site	or ramps, or any combina placed a distance apart ed dimension of the building
A. Hour Separation: None.B. Fire Resistance Ratings for Ex	terior Walls Per Table 602, we would only require a 0 hour rating.	H. Exit Discharge (Section 10 Exits shall discharge direc
Table 602 FIRE-RESISTANCE R	ATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE	shall provide a direct path I. Assembly Main Exit (Sect
FIRE SEPARATION DISTANCE = x (feet) X < 5 $5 \le X < 10$	All 1 IA 1	must have a main exit. W front on at least one street street or public way. The
10 ≤ X < 30	III IIII IA, IB 1 IIB, VB 0 Others 1	occupant load, but not les to having access to a main additional exits which prov
C. The maximum area of upprotect	cted openings permitted in an exterior wall in any story of a building	load served by that level. a. In a building used multiple main exit
shall not exceed the percentag each individual story. 1. The Mahaney Dome is	es specified in Table 705.8 based on the fire separation distance of approximately 104'-0" from the SW Corner of the newly proposed	around the perime 100 percent of the
Softball Hitting Pavilior for Fire Separation Dis 2. The North Engineering	n. There is No Limit to the Allowable Area of Exterior Wall Openings tances exceeding 30'-0". Annex Building is approximately 134'-0" from the SE Corner of the Il Press Box and Grandatanda. There is No Limit to the Allowable	8.00 Protruding Objects (Section A. Protruding objects are per
newly proposed Softba Area of Exterior Wall C D. Vertical Separation of Openion	s (Section 705.8.5). Not required per 705.8.5. Fx. 1. Does not apply	1003.2 provided a minimu including walks, corridors, a means of egress shall b
to buildings that are three stori	es or less above grade plane.	EXCEPTION: Door closer and stops ma
Table 705.8 MAXIMUM AREA OF DISTANCE AND DEGREE OF OF	EXTERIOR WALL OPENINGS BASED ON FIRE SEPARATION PENING PROTECTION	B. A barrier shall be provided edge of such a barrier sha
FIRE SEPARATION DISTANCE (feet) 30 or greater	Unprotected, Non-sprinklered (UP, No Limit NS)	C. A free-standing object mo 12 inches where the lower above the walking surface
an ground	Protected (P) No Limit	D. Objects with leading edge not project horizontally mo
MEANS OF EGRESS		protrude 4-1/2 inches from E. Protruding objects must n
1.00 Occupant Load (Section 1004): In determining means of earess require	ments, the number of occupants for whom means of egress facilities	9.00 Exit Access Aisles (Sectio
must be provided is established by divi load factors (Table 1004.1.2):	ding the floor area assigned to each use by the following occupant	A. Bleachers, grandstands a comply with ICC 300. (10)
Assembly with fixed seal	For areas having fixed seats and aisles, the occupant load shall be determined by the number of fixed seats installed	B. Capacity of Aisle for Asse The required capacity of a 1029.6.1 where smoke-pr 1029.6.3 where smoke-pr
Assembly without fixed s	therein.	Outdoor smoke-protected other means of edress sha
Concentrated (chairs on Standing space Unconcentrated (tables a	y—not fixed) 7 net 5 net and chairs) 15 net	multiplied by 0.08 where e aisles and ramped aisles.
Concert, commencemen special events Waiting areas	t, and other upon the configuration of the space and the programmed number of people. 15 gross	C. Assembly Aisles are Requ Every occupied portion of seats, tables, displays, sir
Business areas Exercise rooms Kitchens, commercial	100 gross 50 gross 200 gross	exit access doorways in a eight inches for stepped a aisles serve less than 50 s side, twenty-three inches
Mercantile Storage, stock, shipping Accessory storage areas	60 gross areas 300 gross s, mechanical 300 gross	D. Converging Aisles (Section
equipment room		Where aisles converge to be not less than the comb
2.00 Design Occupant Load Calcula	tions: Refer to Life Safety Plans.	E. Aisle Accessways (Sectio Clear width of aisl Where seating row
		be not less than 1 row ahead and th self-rising seats, t
		any chair in the ro be made with the Dual Access (Sec For rows of section
		100 seats per row by 0.3 inch for eve 21 where seats an
		22 inches. Single Access (Se For rows of seatin
		clear width of 12 i seat beyond seve back rests. The n
		F. Assembly Aisle Walking S Aisles that are slo
		ramped aisie. Ra Sections 1009 an horizontal. The si horizontal. (Section
		 Ramped aisles sh 1012.10.1. (Section
2	3 4	5 6

3 inches/person 0.20 inches/person
) persons per foot) (60 persons per foo

egress travel until arrival at the public way.

y Calculations: Refer to Life Safety Plans.

Exits Required (Section 1006, and 1017)

, or exit access stairways or ramps providing access to exits, from any story or occupied be provided where one of the following conditions exists: The occupant load exceeds one of the values in Table 1006.3.1. The exit access travel distance exceeds that specified in Table 1006.3.3(2) as

determined in accordance with the provisions of Section 1017.1.

ant Load Per Story	Minimum Number of Exits or Access to Exits from Story				
1-500	2				
01-1,000	3				
e than 1,000	4				
06.3.3(2) STORIE Story	S WITH ONE EXIT OF Occupancy	R ACCESS TO ONE EXIT Maximum Occupants Per Story	FOR OTHER OCCU Maximum Exit Access Travel Distance		
06.3.3(2) STORIE	S WITH ONE EXIT OF Occupancy A, S*	ACCESS TO ONE EXIT Maximum Occupants Per Story 49 occupants	FOR OTHER OCCU Maximum Exit Access Travel Distance 75 feet		
of 3.3(2) STORIE Story ory or ent	S WITH ONE EXIT OF Occupancy A, S* S	ACCESS TO ONE EXIT Maximum Occupants Per Story 49 occupants 29 occupants	FOR OTHER OCCU Maximum Exit Access Travel Distance 75 feet 75 feet		

more exits or exit access doorways, shall be provided from any space with an occupant 1 to 1,000. Four exits or exit access doorways shall be provided from any space with an load greater than 1,000. (Section 1006.2.1.1).

Not applicable

Not applicable

Means of Egress (Section 1009)

Not permitted

spaces shall be provided with not less than one accessible means of egress. Where n one means of egress are required by Section 1006.2 or 1006.3 from any accessible ch accessible portion of the space shall be served by not less than two accessible means

ired accessible means of egress shall be continuous to a public way and shall consist of ore of the following components: Accessible routes complying with Section 1104. Interior exit stairways complying with Sections 1009.3 and 1023.

Interior exit access stairways complying with Sections 1009.3 and 1019.3 or 1019.4. Exterior exit stairways complying with Sections 1009.3 and 1027 and serving levels other than the level of exit discharge. Elevators complying with Section 1009.4.

Platform lifts complying with Section 1009.5.

Horizontal exits complying with Section 1026. Ramps complying with Section 1012.

Areas of refuge complying with Section 1009.6. Exterior areas for assisted rescue complying with Section 1009.7 serving exits at the level of exit discharge.

means of egress from stories above and below converge at an intermediate level, the f the means of earess from the point of convergence shall be not less than the largest width or the sum of the required capacities for the stairways serving the two adjacent ichever is larger. (Section 1005.6)

m a room or space shall not pass through adjoining or intervening rooms or areas, except. adjoining rooms or areas and the area served are accessory to one or the other and liscernible path of egress travel to an exit. An exit access shall not pass through a room locked to prevent egress. Egress shall not pass through kitchens, storage rooms, spaces used for similar purposes. (Section 1016.2)

Path of Egress Travel (IBC Table 1014.3): 75 feet. s Travel Distance (IBC Table 1017.2):

cupancy	Without Sprinkler System (feet)	With Sprinkler System (feet)
A, S-1	200	250

stance (Section 1029.7): Open-air seating: The travel distance from each seat to the exterior shall not exceed 400 feet. The travel distance shall not be limited in facilities of onstruction.

Corridors (IBC Sec. 1020.4): 20 feet. ration (IBC Sec. 1007.1.1): Where two exits, exit access doorways, exit access stairways

or any combination thereof, are required from any portion of the exit access, they shall be stance apart equal to not less than one-half of the length of the maximum overall diagonal of the building or area to be served measured in a straight line between them.

arge (Section 1028): discharge directly to the exterior of the building. The exit discharge shall be at grade or de a direct path of egress travel to grade. The exit discharge shall not reenter a building.

Main Exit (Section 1029.2): bly occupancies with a well-defined main exit and with an occupant load greater than 300 e a main exit. Where the building is classified as a Group A occupancy, the main exit must least one street or an unoccupied space of not less than 10 feet in width that adjoins a ublic way. The main exit must provide an egress capacity for at least one-half of the load, but not less than the total width of all means of egress leading to the exit. In addition ccess to a main exit, each level of occupancy in Use Group A must be provided with exits which provide a means of egress capacity for at least one-half of the total occupant d by that level. The Stadiums do not have a main exit. building used for assembly purposes where there is no well-defined main exit or where Itiple main exits are provided, exits for each level shall be permitted to be distributed bund the perimeter of the building, provided that the total width of egress is not less than 00 percent of the required width. (Section 1029.2)

bjects (Section 1003.3)

objects are permitted to extend below the minimum ceiling height required by Section ovided a minimum headroom of 80 inches shall be provided for any walking surface, alks, corridors, aisles and passageways. Not more than 50 percent of the ceiling area of egress shall be reduced in height by protruding objects.

r and stops may reduce headroom to no less than 78 inches.

shall be provided where the vertical clearance is less than 80 inches high. The leading uch a barrier shall be located 27 inches maximum above the floor.

nding object mounted on a post or pylon must not overhang that post or pylon more than where the lowest point of the leading edge is more than 27 inches and less than 80 inches walking surface. (Section 1003.3.2)

th leading edges more than 27 inches and not more than 80 inches above the floor shall t horizontally more than 4 inches into the circulation path. Handrails are permitted to 1/2 inches from the wall. (Section 1003.3.3)

objects must not reduce the minimum clear width of accessible routes. (Section 1003.3.4)

Aisles (Section 1018 and 1029)

grandstands and folding and telescopic seating, that are not building elements, shall th ICC 300. (1029.1.1) Aisle for Assembly (Section 1029.6):

ed capacity of aisles shall be not less than that determined in accordance with Section where smoke-protected assembly seating is not provided with Section 1029.6.2 or here smoke-protected assembly seating is provided.

noke-protected assembly seating (Section 1029.6.3): The clear width inches of aisles and ans of egress shall be not less than the total occupant load served by the egress element by 0.08 where egress is stepped aisle and multiplied by 0.06 where egress is by level ramped aisles.

Aisles are Required (Section 1029.9):

cupied portion of any building, room or space used for assembly purposes that contains les, displays, similar fixtures or equipment shall be provided with aisles leading to exits or doorways in accordance with this section. Minimum clear width for aisles shall be fortyes for stepped aisles having seating on each side, thirty-six inches where the stepped ve less than 50 seats, thirty-six inches where stepped aisles have seating on only one y-three inches between a stepped aisle handrail and seating where a stepped aisle does more than five rows on one side (Section 1029.9.1). Aisles (Section 1029.9.3):

sles converge to form a single path of egress travel, the required capacity of that path shall

than the combined required capacity of the converging aisles. ssways (Section 1029.12): lear width of aisle accessways serving seating in rows (Section 1029.12.2): Vhere seating rows have 14 or fewer seats, the minimum clear aisle accessway width shall e not less than 12 inches measured as the clear horizontal distance from the back of the w ahead and the nearest projection of the row behind. Where chairs have automatic or

F-rising seats, the measurement shall be made with seats in the raised position. Where chair in the row does not have an automatic or self-rising seat, the measurements shall e made with the seat in the down position. ual Access (Section 1029.12.2.1): r rows of seating served by aisles or doorways at both ends, there shall be not more than) seats per row. The minimum clear width of 12 inches between rows shall be increased

0.3 inch for every additional seat beyond 14 seats where seats have backrests or beyond where seats are without backrests. The minimum clear width is not required to exceed ingle Access (Section 1029.12.2.2):

rows of seating served by an aisle or doorway at only one end of the row, the minimum ear width of 12 inches between rows shall be increased by 0.6 inch for every additional al beyond seven seats where seats have backrests or beyond 10 where seats are without ack rests. The minimum clear width is not required to exceed 22 inches. Aisle Walking Surfaces (1029.13):

isles that are sloped more than one unit vertical in 20 units horizontal shall be considered a mped aisle. Ramped aisles that serve as part of an accessible route in accordance with ctions 1009 and 1108.2 shall have a maximum slope of one unit vertical in 12 units rizontal. The slope of other ramped aisles shall not exceed one unit vertical in 8 units

rizontal. (Section 1029.13.1) mped aisles shall have edge protection in accordance with Sections 1012.10 and 012.10.1. (Section 1029.13.1.3)

 Stepped Aisles (Section 1029.13.2): Aisles with a slope exceeding one unit vertical in eight units horizontal shall consist of a series of risers and treads that extends across the full width of aisles and complies with Sections 1029.13.2.1 through 1029.13.2.4. Treads (Section 1029.13.2.1): Tread depths shall be not less than 11 inches and shall have dimensional uniformity.

 Risers (Section 1029.13.2.2); Where the gradient of stepped aisles is to be the same as the gradient of adjoining seating areas, the riser height shall be not less than 4 inches nor more than 8 inches and shall be uniform within each flight. Riser heights not exceeding 9 inches shall be permitted where they are necessitated by the slope of the adjacent seating areas to maintain sightlines. G. Handrails (Section 1029.15):

· Where there is seating on both sides of the aisle, the mid-aisle handrails shall be discontinuous with gaps or breaks at intervals not exceeding five rows to facilitate access to seating and to permit crossing from one side of the aisle to the other. These gaps or breaks shall have a clear width of not less than 22 inches and not greater than 36 inches, measured horizontally, and the mid-aisle handrail shall have rounded terminations or bends. (Section 1029,15,1). Mid-aisle handrails shall not extend beyond the lowest riser and shall terminate within 18

inches, measured horizontally, from the lowest riser. Handrail extensions are not required. (Section 1029.15.3). Where mid-aisle handrails are provided in stepped aisles, there shall be an additional rail located approximately 12 inches below the handrail. (Section 1029.15.4). H. Assembly Guards (Section 1029.16): Perimeter Guards (Section 1029.16.1):

Perimeter guards shall be provided where the footboards or walking surface of seating facilities are more than 30 inches above the floor or grade below. Where the seatboards are adjacent to the perimeter, guard height shall be 422 inches high minimum, measured from the seatboard. Where the seats are self-rising, guard height shall be 42 inches high minimum, measured from the floor surface. Where there is an aisle between the seating and the perimeter, the guard height shall be measured in accordance with Section 1015.2.

 Cross Aisles (Section 1029.16.2): Cross aisles located more than 30 inches above the floor or grade below shall have guards in accordance with Section 1015. Where an elevation change of 30 inches or less occurs between a cross aisle and the adjacent floor or grade below, guards not less than 26 inches above the aisle floor shall be provided. Where the backs of seats on the front of the cross aisle project 24 inches or more above the adjacent floor of the aisle, a guard need not be provided Sightline-constrained Guard Heights (Section 1029.16.3):

Unless subject to the requirements of Section 1029.16.4, a fascia or railing system in accordance with the guard requirements of Section 1015 and having a minimum height of 26 inches shall be provided where the floor or foot-board elevation is more than 30 inches above the floor or grade below and the fascia or railing would otherwise interfere with the sightlines of immediately adjacent seating. Guards at the end of Aisles (Section 1029.16.4):

A fascia or railing system complying with the guard requirements of Section 1015 shall be provided for the full width of the aisle where the foot of the aisle is more than 30 inches above the floor or grade below. The fascia or railing shall be a minimum of 36 inches high and shall provide a minimum 42 inches measured diagonally between the top of the rail and the nosing of the nearest tread.

10.00 Exit Access Corridors

A. A Minimum Corridor Width (Section 1020.2): The required capacity of corridors shall be determined as specified in Section 1005.1, but the minimum width shall be not less than that specified in Table 1020.2:

Occupancy	M
Any facilities not listed below	
Access to and utilization of mechanical, plumbing or electrical systems or equipment	
With an occupant load of less than 50	
In corridors and areas serving stretcher traffic in occupancies where patients receive outpatient medical care that causes the patient to be incapable of self-preservation	

B. Obstruction (Section 1020.3): The minimum width or required capacity of corridors shall be unobstructed. Encroachments complying with Section 1005.7 are the exception. Doors when fully opened, shall not reduce the required width by more than 7 inches. Doors in any position shall not reduce the required width by more than one-half. (Section 1005.7.1).

Handrail projections shall be in accordance with the provisions of Section 1014.8. Other nonstructural projections such as trim and similar decorative features shall be permitted to project into the required width not more than 1-1/2 inches on each side.

CONSTRUCTION REQUIREMENTS

1.00 Noncombustible Requirements (Section 603.1): Type II construction requires most building elements to be noncombustible. The use of combustible

materials is only permitted in the following applications: A. Fire-retardant-treated wood is permitted in: 1. Nonbearing partitions where the required fire-resistance rating is 2 hours or less.

- Roof construction, including girders, trusses, framing and decking.
- B. Thermal and acoustical insulation, other than foam plastics, having a flamespread index of not more than 25.
- C. Foam plastics in accordance with Chapter 26.
- D. Roof coverings that have an A, B or C classification.
- E. Interior floor finish and floor covering materials installed in accordance with Section 804.
- F. Millwork such as doors, door frames ,window sashes and frames.
- G. Interior wall and ceiling finishes installed in accordance with Sections 801 and 803.
- H. Where not installed over 15 feet above grade, show windows, nailing or furring strips, wooden bulkheads below show windows, their frames, aprons and show cases.
- I. Finish flooring installed in accordance with Section 805.
- J. Blocking such as for handrails, millwork, cabinets, and window and door frames.
- K. Light-transmitting plastics as permitted by Chapter 26. L. Mastics and caulking materials applied to provide flexible seals between components of exterior wall
- construction.
- M. Nailing or furring strips as permitted by Section 803.13.
- N. Heavy timber as permitted by Note c to Table 601 and Sections 602.4.7 and 1406.3.
- O. Materials allowed in the concealed spaces of buildings of Type II construction in accordance with Section 718.5.
- P. Materials exposed within plenums complying with Section 602 of the International Mechanical Code.
- 2.00 Area Separation (Section 508 and 509):
- A. We are using the non separated approach specified in Section 508.3. Storage occupancies are accessory to the main building occupancies in accordance with 508.2. Buildings or portions of buildings that comply with the provisions of Section 508 shall be considered as separated occupancies. Required separation of Group A from Group S-1 shall be 2 hour for buildings not equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1.

ROOM OR AREA	SEPARATION AND/OR PROTECTION
Furnace room where any piece of equipment is over 400,000 Btu per hour input	1 hour or provide automatic sprinkler system
Rooms with boilers where the largest piece of equipment is over 15 psi and 10 horsepower	1 hour or provide automatic sprinkler system
Refrigerant machinery room	1 hour or provide automatic sprinkler system
Laundry rooms over 100 square feet	1 hour or provide automatic sprinkler system
Electrical Installations and transformers	See Sections 110.26 through 110.34 and Sections 450.8 through 450.48 of NFPA 70 for

3.00 Interior Wall and Ceiling Finish (Section 803):

- A. Interior wall and ceiling finish are the exposed interior surfaces of buildings including, but not limited to: fixed or movable walls and partitions; columns; ceilings; and interior wainscoting, paneling, or other finish applied structurally or for decoration, acoustical correction, surface insulation, structural fire resistance or similar purposes, but not including trim. Trim is defined as picture molds, chair rails, baseboards, handrails, door and window frames, and similar decorative or protective materials
- B. Interior finishes with a smoke developed rating greater than 450 are not permitted. C. The flame spread classifications for walls and ceilings correspond to that determined by ASTM E-84



Passageways access stairways

0.04 watts/cm2 (Pill Test)

4.00 Interior Floor Finish (Section 804):

-3, A-5

- A. Finished floors or floor covering materials of a traditional type such as wood, vinyl, linoleum, terrazzo and other resilient floor covering materials which are not comprised of fibers are exempt from the requirements of this section.
- B. The flame spread classifications for floor coverings correspond to that determined by NFPA 253 as 0.45 watts/cm2 or greater 0.22 watts/cm 2 or greater

DOC FE-1

- 5.00 Decorative Materials and Trim (Section 806):
- A. In occupancies of Group A, curtains, draperies, hangings and other decorative materials suspended from walls or ceilings must be flame resistant in accordance with Section 806.4 and shall not exceed
- 10 percent of the specific wall or ceiling area to which such materials are attached. B. Fixed or movable walls and partitions, paneling, applied structurally or for decoration, acoustical
- correction, surface insulation or other purposes shall be considered interior finish shall comply with Section 803 and shall not be considered decorative materials or furnishings.

used in fixed applications.

aximum Width

OR PROTECTION atic sprinkler system atic sprinkler system atic sprinkler system atic sprinkler system ough 110.34 and

protection and separation requirements

spaces

C. Material, other than foam plastic used as interior trim, shall have a minimum Class C flame spread and smoke-developed index when tested in accordance with ASTM E84 or UL 723, as described in Section 803.1.1. Combustible trim, excluding handrails and guardrails, shall not exceed 10 percent of the specific wall or ceiling area to which it is attached. (Section 806.7)

D. Interior floor-wall base that is 6 inches or less in height shall be tested in accordance with Section 804.2 and shall be not less than Class II. Where a Class I floor finish is required, the floor-wall base shall be Class I. (Section 806.8)

6.00 Insulation (Section 807):

A. Thermal and acoustical insulation shall comply with Section 720. (Section 807.1)

7.00 Safety Glazing (Section 2406 and 2407):

- B. Individual glazed areas in hazardous locations must pass the test requirements of the Consumer Product Safety Commission Standard for Safety Glazing (CPSC 16 CFR, Part 1201).
- C. The locations specified in Sections 2406.4.1 through 2406.4.7 shall be considered specific hazardous locations requiring safety glazing materials: Glazing in Doors (Section 2406.4.1).
- Glazing adjacent to Doors (Section 2406.4.2): Glazing in an individual fixed or operable panel adjacent to a door where the nearest vertical edge of the glazing is within a 24 inch arc of either vertical edge of the door in a closed position and where the bottom exposed edge of the glazing is less than 60 inches above the walking surface.
- Glazing in Windows (Section 2406.4.3): Glazing in an individual fixed or operable panel that meets all of the following conditions shall be considered a hazardous location: The exposed area of an individual pane is greater than 9 square feet.
- The bottom edge of the glazing is less than 18 inches above the floor. The top edge of the glazing is greater than 36 inches above the floor.
- One or more walking surface(s) are within 36 inches, measured horizontally and in a straight line, of the plane of the glazing. Glazing in Guards and Railings (Section 2406.4.4).
- Glazing adjacent to Stairways and Ramps (Section 2406.4.6): Glazing where the bottom exposed edge of the glazing is less than 60 inches above the plane of the adjacent walking
- surface of stairways, landings between flights of stairs. Fire Department Access Panels (Section 2406.5).

8.00 Assembly Area Seating

A. Wheelchair Spaces (IBC Sec. 1108.2.2, Table 1108.2.2.1):

CAPACITY OF SEATING IN ASSEMBLY AREAS	MINIMUM REQUIRED NUMBER OF WHEELCHAIR SPACES
4 to 25	1
26 to 50	2
51 to 100	4
101 to 300	5
301 to 500	6
501 to 5,000	6, plus 1 for each 150, or fraction thereof, between 501 through 5,000
5,001 and over	36 plus 1 for each 200, or fraction thereof, over 5,000

- B. Companion Seats (IBC Sec. 1108.2.3): At least one companion seat shall be provided for each wheelchair space required.
- C. Dispersion of Wheelchair Spaces (IBC Sec. 1108.2.4): In multilevel assembly seating areas, wheelchair spaces shall be provided on the main floor level and on one of each two additional floor or mezzanine levels. Wheelchair spaces shall be provided in each luxury box, club box, and suite within assembly facilities.
- D. Designated Aisle Seats (IBC Sec. 1108.2.5): At least 5 percent, but not less than one, of the total number of aisle seats provided shal lbe designated aisle seats and shall be the aisle seats located closest to accessible routes. Armrests shall be removable or able to be raised at these locations.

ACTIVE FIRE PROTECTION

- Automatic Sprinkler System: Not Required (IBC Sec. 903.2) Group A-3 (Section 903.2.1.3): The fire area does not exceed 12,000 square feet; The fire area does not have an occupant load of 300 or more; and The fire area is not located on a floor other
- than a level of exit discharge serving such occupancies. Group A-5 (Section 903.2.1.5): The areas do not include concession stands, retail areas, or a press box or other accessory use areas in excess of 1,000 square feet.
- Not Required (IBC Sec. 905.1, Sec. 905.3) Standpipes (Class I) Group A (Section 905.3.2): The Group A buildings do not have occupant loads exceeding 1,000 persons. Group A-5 occupancies are open-air-seating spaces.
- Fire Alarm System Required (IBC Sec. 907.2) A manual fire alarm system that activates the occupant notification system in accordance with
- Section 907,5 shall be installed in Group A occupancies where the occupant load due to the assembly occupancy is 300 or more. Group A occupancies not separated from one another in accordance with Section 707.3.10 shall be considered as a single occupancy for the purpose of
- applying this section, (Section 908.2.1). Emergency Voice/Alarm Communication Captions: Stadiums, and grandstands required to caption audible public announcements shall be in accordance with Section 907.5.2.2.4. (Section 907.2.1.2).
- Emergency Voice/Alarm Communication Systems Required (IBC Sec. 907.5.2.2) Required (IBC Sec. 906.1, Table 906.1) Portable Fire Extinguishers

A. Where Required (IBC Sec. 906.1):

IFC SECTION (As Applicable)	SUBJECT
the second of the	Group A, S Occupancies
-	In areas where flammable or combustible liquids are stored, used or dispensed.
	Special hazard areas (i.e. generator rooms), where required by the fire code official.
	Elevator machine rooms
3206.10	High-piled storage
5703.2.1	Flammable and combustible liquids, general
5704.3.3.1	Indoor storage of flammable and combustible liquids
5704.3.7.5.2	Liquid storage rooms for flammable and combustible liquids

B. Size and Distribution (IBC Sec. 906.3):

	LIGHT (Low) HAZARD OCCUPANCY	ORDINARY (Moderate) HAZARD OCCUPANCY	EXTRA (High) HAZARD OCCUPANCY
Minimum-rated single extinguisher	2-A	2-A	4-A
Maximum floor area per unit of A	3,000 square feet	1,500 square feet	1,000 square feet
Maximum floor area per extinguisher	11,250 square feet	11,250 square feet	11,250 square feet
Maximum distance of travel to extinguisher	75-feet	75-feet	75-feet

FIRE EXTINGUISHERS FOR FLAMMABLE OR COMBUSTIBLE LIQUIDS WITH DEPTHS LESS THAN OR EQUAL TO 0.25 INCH, TABLE 906.3(2):

TYPE OF HAZARD	BASIC MINIMUM EXTINGUISHER RATING	MAXIMUM DISTANCE OF TRAVEL TO EXTINGUISHERS (feet)		
Light (Loui)	5-B	30		
Light (Low)	10-B	50		
Ordinary (Moderate)	10-B	30		
Second Street Street	20-B	50		
Extra (High)	40-B	30		
and a second	80-B	50		

Exit Signs (IBC Sec. 1013.6.3) Required Emergency Lighting (IBC Sec. 1008.3) Required

- -Aisles Corridors -Exit access stairways and ramps -Vestibules and areas on level of discharge used for exit discharge
- -Exterior landings -Electrical equipment rooms
- -Fire command centers -Fire pump rooms

-Generator rooms -Public restrooms with an area greater than 300 square feet

1.00 Total Number of Required Fixtures (per Uniform Plumbing Code Table 422.1)

PLUMBING SYSTEMS

Emergency Power:

Use Group	Describeller	Water Closets		Lava	tories	Drinking	-
	Description	Male	Female	Male	Female	Fountains	Other
A-3	Assembly occupancy without fixed or permanent seating	1: 1-100 2: 101-200 3: 201-400	1: 1-25 2: 26-50 3: 51-100 4: 101-200 6: 201-300	1: 1-200 2: 201-400 3: 401-600	1: 1-100 2: 101-200 4: 201-300 5: 301-500	1: 1-250 2: 251-500 3: 501-750	1 service sink
A-5	Assembly occupancy for outdoor activities or sporting events – grandstands and stadiums.	1: 1-100 2: 101-200 3: 201-400	1: 1-25 2: 26-50 3: 51-100 4: 101-200 6: 201-300	1: 1-200 2: 201-400 3: 401-750	1: 1-100 2: 101-200 4: 201-300 5: 301-500	1: 1-250 2: 251-500 3: 501-750	1 service sink



REV.





SCALE.





PLUMBING FIXTURE REQUIREMENTS (STADIUM)
192 TOTAL OCCUPANTS
246 M 246 W

OCCUPANCY CLASSIFICATION	OCCUPANT LOAD		OCCUPANT LOAD WATER CLOSETS LAVATORIES E		DRINKING FOUNTAINS	SERVICE SINK
A 6	MALE	246	3	2	- 2	1
A-3	FEMALE	246	6	4		
TOTALS			9	6	2	1

OCCUPANCY CLASSIFICATION	OCCUPANT LOAD		OCCUPANT LOAD WATER CLOSETS LAVATORIES		DRINKING FOUNTAINS	SERVICE SINK
A 2	MALE	25	1	1	1	1
A-3	FEMALE	25	1	1	, , , , , , , , , , , , , , , , , , ,	•
TOTALS			2	2	1	1

1006.3.2 MINIMUM NUMBER OF EXITS OR ACCESS TO EXITS

THE REQUIRED NUMBER OF EXITS. OR EXIT ACCESS STAIRWAYS OR RAMPS PROVIDING ACCESS TO EXITS SHALL BE MAINTAINED UNTIL ARRIVAL AT THE EXIT DISCHARGE OR A PUBLIC WAY. PROVIDE MINIMUM TWO (2) EXITS FOR OCCUPANT LOAD BETWEEN 50-500.

IN OPEN-AIR ASSEMBLY SEATING, THE REQUIRED CAPACITY IN INCHES OF AISLES SHALL BE NOT LESS THAN THE TOTAL OCCUPANT LOAD SERVICED BY THE EGRESS ELEMENT MULTIPLIED BY 0.08 WHERE EGRESS IS BY STEPPED AISLE AND MULTIPLIED BY 0.06 WHERE EGRESS IS BY LEVEL AISLES AND RAMPED AISLES.

1029.7 TRAVEL DISTANCE

3. AN EXIT

1029.6.3 OPEN-AIR ASSEMBLY SEATING

THE EXIT ACCESS TRAVEL DISTANCE SHALL COMPLY WITH SECTION 1017. WHERE AISLES ARE PROVIDED FOR SEATING, THE DISTANCE SHALL BE MEASURED ALONG THE AISLE AND AISLE ACCESSWAYS WITHOUT TRAVEL OVER OR ON THE SEATS. IN FACILITIES WITH OPEN-AIR ASSEMBLY SEATING OF TYPE III, IV, OR V CONSTRUCTION, THE TOTAL EXIT ACCESS TRAVEL DISTANCE TO ONE OF THE FOLLOWING SHALL NOT EXCEED 400 FEET: 1. THE CLOSEST RISER OF AN EXIT ACCESS STAIRWAY. 2. THE CLOSEST SLOPE OF AN EXIT ACCESS RAMP.

1029.8 COMMON PATH OF EGRESS TRAVEL

THE COMMON PATH OF EGRESS TRAVEL SHALL NOT EXCEED 50 FEET FROM ANY SEAT TO A POINT WHERE AN OCCUPANT HAS A CHOICE OF TWO PATHS OF EGRESS TRAVEL TO TWO EXITS, FOR OPEN-AIR ASSEMBLY SEATING 1029.9.1 MINIMUM AISLE WIDTH

THE MINIMUM CLEAR WIDTH FOR AISLES SHALL COMPLY WITH THE FOLLOWING: | STR. | DR. | STR. = STAIR WIDTH | DR. = DOOR WIDTH 1.FORTY-EIGHT INCHES FOR STEPPED AISLES HAVING SEATING ON EACH SIDE. 2.THIRTY-SIX INCHES FOR STEPPED AISLES HAVING SEATING ON ONLY ONE SIDE.

1029.9.3 CONVERGING AISLES

WHERE AISLES CONVERGE TO FORM A SINGLE PATH OF EGRESS TRAVEL, THE REQUIRED CAPACITY OF THAT PATH SHALL BE NOT LESS THAN THE COMBINED REQUIRED CAPACITY OF THE CONVERGING AISLES.

1029.12.2 CLEAR WIDTH OF AISLE ACCESSWAYS SERVING SEATING IN ROWS WHERE SEATING ROWS HAVE 14 OR FEWER SEATS THE MINIMUM CLEAR AISLE ACCESSWAY WIDTH SHALL BE NOT LESS THAN 12 INCHES MEASURED AS THE CLEAR HORIZONTAL DISTANCE FROM THE BACK OF THE ROW AHEAD AND THE NEAREST PROJECTION OF THE ROW BEHIND. WHERE CHAIRS HAVE AUTOMATIC OR SELF-RISING SEATS, THE MEASUREMENT SHALL BE MADE WITH SEATS IN THE RAISED POSITION. WHERE ANY CHAIR IN THE ROW DOES NOT HAVE AN AUTOMATIC OR SELF-RISING SEAT, THE MEASUREMENT SHALL BE MADE WITH THE SEAT IN THE DOWN POSITION.

1029.12.2.1 DUAL ACCESS

FOR ROWS OF SEATING SERVED BY AISLES OR DOORWAYS AT BOTH ENDS, THERE SHALL BE NOT MORE THAN 100 SEATS PER ROW. THE MINIMUM CLEAR WIDTH OF 12 INCHES BETWEEN ROWS SHALL BE INCREASED BY 0.3 INCH FOR EVERY ADDITIONAL SEAT BEYOND 14 SEATS WHERE SEATS HAVE BACKRESTS OR BEYOND 21 WHERE SEATS ARE WITHOUT BACKRESTS. THE MINIMUM CLEAR WIDTH IS NOT REQUIRED TO EXCEED 22 INCHES.

1029.13.2.1 TREADS

TREAD DEPTHS SHALL BE NOT LESS THAN 11 INCHES AND SHALL HAVE DIMENSIONAL UNIFORMITY.

1029.13.2.2 RISERS WHERE THE GRADIENT OF STEPPED AISLES IS TO BE THE SAME AS THE

GRADIENT OF ADJOINING SEATING AREAS, THE RISER HEIGHT SHALL BE NOT LESS THAN 4 INCHES NOR MORE THAN 8 INCHES AND SHALL BE UNIFORM WITHIN EACH FLIGHT.

1029.13.2.3 TREAD CONTRASTING MARKING STRIP A CONTRASTING MARKING STRIPE SHALL BE PROVIDED ON EACH TREAD AT

THE NOSING OR LEADING EDGE SUCH THAT THE LOCATION OF EACH TREAD IS READILY APPARENT WHEN VIEWED IN DESCENT. SUCH STRIPE SHALL BE NOT LESS THAN 1 INCH, AND NOT MORE THAN 2 INCHES WIDE. 1029.15 HANDRAILS

RAMPED AISLES HAVING A SLOPE EXCEEDING ONE UNIT VERTICAL IN 15 UNITS

HORIZONTAL (6.7-PERCENT SLOPE) AND STEPPED AISLES SHALL BE PROVIDED WITH HANDRAILS IN COMPLIANCE WITH SECTION N1014 LOCATED EITHER AT ONE OR BOTH SIDES OF THE AISLE OR WITHIN THE AISLE WIDTH. EX. 3: HANDRAIL EXTENSIONS ARE NOT REQUIRED AT THE TOP AND BOTTOM OF STEPPED AISLES AND RAMPED AISLES TO PERMIT CROSSOVER WITHIN THE AISLES.

1029.15.1 DISCONTINUOUS HANDRAILS

WHERE THERE IS SEATING ON BOTH SIDES OF THE AISLE, THE MID-AISLE HANDRAILS SHALL BE DISCONTINUOUS WITH GAPS OR BREAKS AT INTERVALS NOT EXCEEDING FIVE ROWS TO FACILITATE ACCESS TO SEATING AND TO PERMIT CROSSING FROM ONE SIDE OF THE AISLE TO THE OTHER. THESE GAPS OR BREAKS SHALL BE A CLEAR WIDTH OF NOT LESS THAN 22 INCHES AND NOT GREATER THAN 36 INCHES, MEASURED HORIZONTALLY, AND THE MID-AISLE HANDRAIL SHALL BE ROUNDED TERMINATIONS OR BENDS.

1029.15.3 MID-AISLE TERMINATION MID-AISLE HANDRAILS SHALL NOT EXTEND BEYOND THE LOWEST RISER AND

SHALL TERMINATE WITHIN 18 INCHES, MEASURED HORIZONTALLY, FROM THE LOWEST RISER. HANDRAIL EXTENSIONS RAE NOT REQUIRED. **EX.**: MID-AISLE HANDRAILS SHALL BE PERMITTED TO EXTEND BEYOND THE LOWEST RISER WHERE THE HANDRAIL EXTENSIONS DO NOT OBSTRUCT THE WIDTH OF THE CROSS AISLE.

1029.15.4 RAILS

WHERE MID-AISLE HANDRAILS ARE PROVIDED IN STEPPED AISLES, THERE SHALL BE AN ADDITIONAL RAIL LOCATED APPROXIMATELY 12 INCHES BELOW THE HANDRAIL. THE RAIL SHALL BE ADEQUATE IN STRENGTH AND ATTACHMENT IN ACCORDANCE WITH SECTION 1607.8.1.2. **1029.16.1 PERIMETER GUARDS**

PERIMETER GUARDS SHALL BE PROVIDED WHERE THE FOOTBOARDS OR WALKING SURFACE OF SEATING FACILITIES ARE MORE THAN 30 INCHES ABOVE THE FLOOR OR GRADE BELOW. WHERE THE SEATBOARDS ARE ADJACENT TO THE PERIMETER, GUARD HEIGHT SHALL BE 42 INCHES HIGH MINIMUM, MEASURED FROM THE SEATBOARD. WHERE THE SEATS ARE SELF-RISING, GUARD HEIGHT SHALL BE 42 INCHES HIGH MINIMUM, MEASURED FROM THE

FLOOR SURFACE. WHERE THERE IS AN AISLE BETWEEN THE SEATING AND THE PERIMETER, THE GUARD HEIGHT SHALL BE MEASURED IN ACCORDANCE WITH SECTION 1015.2. **EX. 1:** GUARDS THAT IMPACT SIGHTLINES SHALL BE PERMITTED TO COMPLY WITH SECTION 1029.16.3.

EX. 2: BLEACHERS, GRANDSTANDS AND FOLDING AND TELESCOPIC SEATING SHALL NOT BE REQUIRED TO HAVE PERIMETER GUARDS WHERE THE SEATING IS LOCATED ADJACENT TO A WALL AND THE SPACE BETWEEN THE WALL AND THE SEATING IS LESS THAN 4 INCHES.

1029.16.3 SIGHTLINE-CONSTRAINED GUARD HEIGHTS

UNLESS SUBJECT TO THE REQUIREMENTS OF SECTION 1029.16.4, A FASCIA OR 0 ISSUED FOR BID RAILING SYSTEM IN ACCORDANCE WITH THE GUARD REQUIREMENTS OF SECTION 1015 AND HAVING A MINIMUM HEIGHT OF 26 INCHES SHALL BE PROVIDED WHERE THE FLOOR OR FOOTBOARD ELEVATION IS MORE THAN 30 INCHES ABOVE THE FLOOR OR GRADE BELOW AND THE FASCIA OR RAILING WOULD OTHERWISE INTERFERE WITH THE SIGHTLINES OF IMMEDIATELY ADJACENT SEATING.

1029.16.4 GUARDS AT THE END OF AISLES

A FASCIA OR RAILING SYSTEM COMPLYING WITH THE GUARD REQUIREMENTS OF SECTION 1015 SHALL BE PROVIDED FOR THE FULL WIDTH OF THE AISLE WHERE THE FOOT OF THE AISLE IS MORE THAN 30 INCHES ABOVE THE FLOOR OR GRADE BELOW. THE FASCIA OR RAILING SHALL BE A MINIMUM OF 36 INCHES HIGH AND SHALL PROVIDE A MINIMUM 42 INCHES MEASURED DIAGONALLY BETWEEN THE TOP OF THE RAIL AND THE NOSING OF THE NEAREST TREAD.

1104.3.2 PRESS BOXES

AN ACCESSIBLE ROUTE SHALL NOT BE REQUIRED TO PRESS BOXES IN BLEACHERS THAT HAVE A SINGLE POINT OF ENTRY FROM THE BLEACHERS, PROVIDED THAT THE AGGREGATE AREA OF ALL PRESS BOXES FOR EACH PLAYING FIELD IS NOT MORE THAN 500 SQUARE FEET.

REMOVALS NOTES: R1 THE CONTRACTOR SHALL CONFIRM THE LOCATIO

- ARCHITECT OF UTILITIES DEVIATING FROM THOS R2 THE CONTRACTOR SHALL MEET THE REQUIREME
- INSTALLING WORK ON OR NEAR THEIR POLES.
- R3 REMOVE ALL EXISTING PAVEMENT MARKINGS TH R4 ALL DEMOLITION DEBRIS AND REMOVALS SHALL
- CONFORMANCE WITH LOCAL AND STATE ORDINA
- R5 TREE CANOPY AS SHOWN ON PLANS ARE APPRO THE SITE CONTRACTOR

LAYOUT NOTES

- L1 THE CONTRACTOR SHALL NOTIFY THE OWNER/A THOSE SHOWN ON THE DRAWING SHEET PRIOR L2 THE CONTRACTOR SHALL EMPLOY A REGISTERE
- BUILDING, DRIVES AND SITE ELEMENTS. L3 THE CONTRACTOR SHALL VERIFY AND CLEARLY PRIOR TO COMMENCING WORK.

GRADING NOTES

- G1 TOPOGRAPHIC INFORMATION BASED ON A SURVI RECEIVED JANUARY 6, 2022 AND FEBRUARY 17,
- G2 BOUNDARY INFORMATION REPRESENTED BY TOW
- G3 ALL TOPSOIL AND ORGANICS SHALL BE REMOVED PRIOR TO CONSTRUCTION. THIS MATERIAL SHAL
- G4 FINISH GRADES ONE FOOT FROM BUILDING SHAL OTHERWISE NOTED.
- G5 FINISH GRADES OF SIDEWALKS AT BUILDING ENT UNLESS OTHERWISE NOTED.
- G6 TEST PIT LOCATIONS ARE APPROXIMATE-REFER GEOTECHNICAL REPORT BOUND INTO SPECIFICA DRAWING SET.
- G7 ALL DISTURBED AREAS NOT RECEIVING PAVEMEI AGGREGATE, ETC. SHALL RECEIVE 6" OF LOAM A

UTILITY NOTES: E1 ALL UNDERGROUND SECONDARY SHALL BE RUN

- OTHERWISE. E2 ALL UNDERGROUND ELECTRICAL FOR SITE LIGHT
- CONDUIT.
- E3 ALL CABLE TELEVISION / TELEPHONE LINES SHAL
- E4 PROVIDE PULL WIRE IN ALL UNDERGROUND CON E5 MAINTAIN 2' - 6" COVER OVER CABLE TELEVISION
- S1 WHERE NEW WATER AND SEWER RUN SIDE BY SEPARATION. WHERE THEY CROSS, MAINTAIN SEPARATION, WITH WATERLINE ABOVE SEWER. ENCASE WATERLINE 10' EITHER SIDE OF SEWER
- S2 SEWER SERVICE, WHEN ENTERING THE BUILDING UNLESS NOTED OTHERWISE.
- W1 MAINTAIN A 5' 6" MINIMUM COVER OVER WATER
- U1 THE LOCATION OF EXISTING UNDERGROUND UT ONLY AND HAVE NOT BEEN INDEPENDENTLY VER REPRESENTATIVE. THE CONTRACTOR SHALL DET EXISTING UTILITIES BEFORE COMMENCING WORK FOR ANY AND ALL DAMAGES WHICH MIGHT BE O TO EXACTLY LOCATE AND PRESERVE ANY AND A
- U2 THE SITE CONTRACTOR SHALL BE RESPONSIBLE CONDUIT. CONDUIT AND WIRING SHALL BE SUPP CONTRACTOR.
- U3 PRIOR TO ANY EARTHWORK ACTIVITIES, THE COM UTILITY CO., OR CALL "DIGSAFE" AT 1-888-DIG-SA TO REMAIN IN PLACE OR BE ABANDONED SHALL I ACCORDANCE WITH THE CONTROLLING UTILITY (APPLICABLE CODES AND ORDINANCES.
- U4 NO UTILITY TRENCH SHALL BE BACKFILLED UNTIL APPROVED BY PROJECT ENGINEER AND CONTR
- U5 ALL SANITARY SEWER LINE TO BE SDR 35 PVC ME CHARACTERISTICS OF ASTM D3034. ALL PIPES A WITH RUBBER GASKETS CONFORMING TO ASTM
- U6 ALL NEW WATER SERVICE LINE SHALL BE TYPE CHARACTERISTICS OF ASTM B-88-62 FOR TYPE F COMPRESSION TYPE.
- U7 ALL NEW WATER SPRINKLER SERVICE SHALL BE PERFORMANCE CHARACTERISTICS OF THE LATES
- U8 THE FOLLOWING UTILITY COMPANIES ARE LOCAT
- ORONO-VEAZIE WATER DISTRICT
- ORONO WATER POLLUTION CONTROL VERSANT POWER
- BANGOR GAS COMPANY FAIR POINT COMMUNICATIONS SPECTRUM

COORDINATION NOTES:

C1 PRIOR TO SUBMITTING BIDS, CONTRACTOR SHAL PROPOSED OWNER FURNISHED AND INSTALLED PROCUREMENT ITEMS LIST", WITHIN SECTION 0⁴

13 14
ION OF ALL UTILITIES AND SHALL NOTIFY THE SE SHOWN ON THIS PLAN.
IENTS OF THE UTILITY COMPANIES WHEN
HAT CONFLICT WITH PROPOSED MARKINGS.
L BE DISPOSED OF OFFSITE AND IN IANCES.
OXIMATE AND SHOULD BE FIELD VERIFIED BY
ARCHITECT OF CONDITIONS VARYING FROM
ED LAND SURVEYOR IN THE LAYOUT OF
VEY BY PLISGA AND DAY LAND SURVEYORS, 2022
DWN OF ORONO TAX MAPS.
ED FROM PAVEMENT AND BUILDING AREAS
ALL BE 8" BELOW FINISH FLOOR UNLESS
ITRANCES SHALL BE FLUSH WITH FINISH FLOOR
ATIONS. BORING LOGS ARE INCLUDED IN
ENT, BUILDING, STONE DUST, COURSE AND SEED UNIESS OTHERWISE NOTED
N IN SCH. 40 CONDUIT UNLESS SPECIFIED
TING SHALL BE RUN IN SCH. 40 P.V.C.
NDUITS.
N/TELEPHONE.
SIDE, MAINTAIN A TEN FOOT (10') HORIZONTAL AN EIGHTEEN INCH (18") VERTICAL
IF WITHIN 18" MIN. VERTICAL SEPARATION, R IN CONC. 3,000 PSI MIN.
IG, SHALL BE 6' - 0" BELOW FINISH FLOOR,
R LINE.
FILITIES ARE SHOWN IN AN APPROXIMATE WAY RIFIED BY THE OWNER OR ITS
RK, AND AGREES TO BE FULLY RESPONSIBLE CCASIONED BY THE CONTRACTOR'S FAILURE
ALL UNDERGROUND UTILITIES.
PLIED AND INSTALLED BY ELECTRICAL
ONTRACTOR SHALL CONTACT CONTROLLING
BE DISCONNECTED AND TERMINATED IN CO. AND NATIONALLY OR LOCALLY
II. WORK HAS BEEN INSPECTED AND
ALL PERFORMANCE AND FITTINGS SHALL HAVE PUSH-ON JOINTS A D1869 AND F477.
K COPPER. ALL FITTINGS SHALL DE
E CLASS 52 DUCTILE IRON MEETING ALL EST VERSION OF ASTM AND AWWA.
ATED WITHIN THE PROJECT SITE:
ALL VERIFY A COMPLETE UNDERSTANDING OF
01 00 00 - SUMMARY OF THE PROJECT MANUAL.

ADD. ALT.	ADDITIVE ALTERNATE BID ITEM
AE	AERIAL ELECTRIC
ARCH.	ARCHITECTURAL
B.C.	BOTTOM OF CURB
BIT.	BITUMINOUS
BLDG.	BUILDING
BOT	BOTTOM
BW	BOTTOM OF WALL
CL	CENTERLINE
CB	CATCH BASIN
C.I.	CAST IRON, CONTRACTOR INST'E
C.I.P.	CAST IN PLACE
CMP	CORRUGATED METAL PIPE,
C	CENTER
C.O.	CLEANOUT
CONC.	CONCRETE
CPP	CORRUGATED PLASTIC PIPE
CTV	CABLE TELEVISION
CFS	CUBIC FEET PER SECOND
D.I.	DITCH INVERT, DUCTILE IRON
DTL.	DETAIL
DIA.	DIAMETER
DIM.	DIMENSION
DMH	DRAIN MANHOLE,DROP MANHOLI
DN	DOWN
DWG	DRAWING
E	EAST
E.P.	EDGE OF PAVEMENT
E.L. ELEV.	ELEVATION
EQ.	EQUAL
EXIST.	EXISTING
EXP.	EXPANSION
FD	FOOTING DRAIN
F.G.	FINISH GRADE
F.H.	FIRE HYDRANT
FIN.	FINISH
F.F.	FINISH FLOOR
FPM	FEET PER MINUTE
FT.	FEET
FTG.	FOOTING
GA.	GAUGE
GALV.	GALVANIZED
GPM	GALLONS PER MINUTE
GRAN	GRANULAR
G.V.	GATE VALVE
G	GAS
H.C.	HANDICAP
HDPE	HIGH DENSITY POLYETHYLENE
HORIZ., HOR.	HORIZONTAL
HPS	HIGH PRESSURE SODIUM
HMA	HOT MIX ASPHALT
I.D. I.E. INV. INSUL. LBS. LED	IDENTIFICATION, INSIDE DIAMETER INVERT ELEVATION INVERT INSULATION POUNDS LIGHT EMITTING DIODE
LF	LINEAR FEET
LPS	LOW PRESSURE SODIUM
L	LENGTH
MAS	MASONRY
MATL.	MATERIAL
MAX.	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
MISC.	MISCELLANEOUS
N	NORTH, NEW UTILITY
N.I.C.	NOT IN CONTRAC
NFD	NEW FOUNDATION DRAIN
NFM NGAS NOM. NO. NRD NSS NSD NTS NUE NUD NUP NUS NW	NEW FORCE MAIN NATURAL GAS NOMINAL NUMBER NEW ROOF DRAIN NEW SANITARY SEWER NEW SANITARY SEWER NEW STORM DRAIN NOT TO SCALE NEW UNDERGROUND ELECTRIC NEW UNDERGROUND ELECTRIC NEW UNDERGROUND PRIMARY NEW UNDERGROUND SECONDAF NEW WATER LINE
OC	ON CENTER
OS/OI	OWNER SUPPLIED/OWNER INST'I
OHE	OVERHEAD ELECTRIC
OHU	OVERHEAD UTILITY
OHW	OVERHEAD WIRE
PVMT.	PAVEMENT
PERF.	PERFORATED
PB	PULL BOX
PI	POINT OF INTERSECTION
P & I	PROVIDE AND INSTALL
PRELIM	PRELIMINARY
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
P.A.	POINT OF TANGENT
PT	POINT
PVC	POLYVINYL CHLORIDE
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
REQ'D	REQUIRED
S	SEWER
SS	SANITARY SEWER
SCH	SCHEDULE
SD	STORM DRAIN
SIM.	SIMILAR
SMH	SEWER MANHOLE
SPECS	SPECIFICATIONS
SQ.	SQUARE
S.F.	SQUARE FEET
STA.	STATION
STYRO.	STYROFOAM
TBM	TEMPORARY BENCH MARK
TEL	TELEPHONE
T.O.W.	TOP OF WALL
T.C.	TOP OF CURB
TEMP.	TEMPORARY
THK.	THICK
TV	TELEVISION
TYP	TYPICAL
T.S.	TOP OF SLAB
UGE	UNDERGROUND ELECTRIC
UGS	UNDERGROUND SECONDARY
UGP	UNDERGROUND PRIMARY
UGU	UNDERGROUND UTILITY
VERT., VER.	VERTICAL
W W/ W/O WSO	WATER WITH WITHOUT WATER SHUTOFF (CURB STOP O GATE VALVE)

SPOT ELEVATION REFERENCE INDEX

SYMBOLS

BITUMINOUS PAVEMENT SECTION TOPSOIL, LOAM AND SEED, SOD **GRANULAR FILL MATERIAL** COARSE AGGREGATE UNDISTURBED NATIVE SOIL CONCRETE SECTION RIGID INSULATION MULCH BED

SECTION LABEL

·, 2022 - 2:44pm ∵ojects\10001-10100\10088034 UM Athletics - Softball Field\2DES\Dwgs\Site\10088034-C-5P101-Site Plans.dwg EROSION AND SEDIMENTATION CONTROL PLAN (PURSUANT TO 38 MRSA § 420-C)

ALL EROSION AND SEDIMENTATION CONTROL MEASURES ARE DESIGNED ACCORDING TO THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION'S MAINE EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES MANUAL, 2003. SEDIMENT CONTROL MEASURES MUST BE IN PLACE BEFORE ACTIVITY BEGINS. MEASURES MUST REMAIN IN PLACE AND FUNCTIONAL UNTIL THE SITE IS PERMANENTLY STABILIZED

- 1. POLLUTION PREVENTION. MINIMIZE DISTURBED AREAS AND PROTECT NATURAL DOWN-GRADIENT BUFFER AREAS TO THE EXTENT PRACTICABLE. THE DISCHARGE MAY NOT RESULT IN EROSION OF ANY OPEN DRAINAGE CHANNELS, SWALES, UPLAND, OR COASTAL OR FRESHWATER WETLANDS. MINIMIZE DISTURBED AREAS THROUGH PHASING. IF WORK WITHIN AN AREA IS NOT ANTICIPATED TO BEGIN WITHIN TWO WEEKS TIME, LEAVE THE AREA IN ITS NATURALLY EXISTING COVER IF PRACTICABLE.
- 2. SEDIMENT BARRIERS. PRIOR TO CONSTRUCTION, PROPERLY INSTALL SEDIMENT BARRIERS AT THE EDGE OF ANY DOWN-GRADIENT DISTURBED AREA AND ADJACENT TO ANY DRAINAGE CHANNELS WITHIN THE DISTURBED AREA. MAINTAIN THE SEDIMENT BARRIERS UNTIL THE DISTURBED AREA IS PERMANENTLY STABILIZED.
- 3. TEMPORARY STABILIZATION. STABILIZE WITH MULCH OR OTHER NON-ERODABLE COVER ANY EXPOSED SOILS THAT WILL NOT BE WORKED FOR MORE THAN 7 DAYS. STABILIZE AREAS WITHIN 75 FEET OF A WETLAND OR WATERBODY WITHIN 48 HOURS OF THE INITIAL DISTURBANCE OF THE SOIL OR PRIOR TO ANY STORM EVENT, WHICHEVER COMES FIRST.
- 4. REMOVAL OF TEMPORARY SEDIMENT CONTROL MEASURES. REMOVE ANY TEMPORARY SEDIMENT CONTROL MEASURES, SUCH AS SILT FENCE, WITHIN 30 DAYS AFTER PERMANENT STABILIZATION IS ATTAINED. REMOVE ANY ACCUMULATED SEDIMENTS AND STABILIZE. REMOVE SILT FENCE BY CUTTING THE FENCE MATERIALS AT GROUND LEVEL TO AVOID ADDITIONAL SOIL DISTURBANCE.
- 5. PERMANENT STABILIZATION. PERMANENTLY STABILIZE ALL DISTURBED AREAS THAT WILL NOT BE WORKED FOR MORE THAN ONE YEAR OR THAT HAVE BEEN BROUGHT TO FINAL GRADE BY PLANTING VEGETATION, SEEDING, SOD, OR THROUGH THE USE OF PERMANENT MULCH, OR RIPRAP. OR ROAD SUB-BASE. IF USING VEGETATION FOR STABILIZATION, SELECT THE PROPER VEGETATION FOR THE LIGHT, SOIL AND MOISTURE CONDITIONS; AMEND AREAS OF DISTURBED SUBSOILS WITH TOPSOIL, COMPOST, OR FERTILIZERS; PROTECT SEEDED AREAS WITH MULCH OR. IF NECESSARY, EROSION CONTROL BLANKETS: AND SCHEDULE SODDING. PLANTING, AND SEEDING TO AVOID DIE-OFF FROM SUMMER DROUGHT AND FALL FROSTS. NEWLY SEEDED OR SODDED AREAS MUST BE PROTECTED FROM VEHICLE TRAFFIC, EXCESSIVE PEDESTRIAN TRAFFIC, AND CONCENTRATED RUNOFF UNTIL THE VEGETATION IS WELL-ESTABLISHED. IF NECESSARY, AREAS MUST BE SEEDED AND MULCHED AGAIN IF GERMINATION IS SPARSE, PLANT COVERAGE IS SPOTTY, OR TOPSOIL EROSION IS EVIDENT. ONE OR MORE OF THE FOLLOWING MAY APPLY TO A PARTICULAR SITE.
- (A) SEEDED AREAS. FOR SEEDED AREAS, PERMANENT STABILIZATION MEANS A 90% COVER OF HEALTHY PLANTS WITH NO EVIDENCE OF WASHING OR RILLING OF THE TOPSOIL.
- (B) SODDED AREAS. FOR SODDED AREAS, PERMANENT STABILIZATION MEANS THE COMPLETE BINDING OF THE SOD ROOTS INTO THE UNDERLYING SOIL WITH NO SLUMPING OF THE SOD OR DIE-OFF.
- (C) PERMANENT MULCH. FOR MULCHED AREAS, PERMANENT MULCHING MEANS TOTAL COVERAGE OF THE EXPOSED AREA WITH AN APPROVED MULCH MATERIAL. EROSION CONTROL MIX MAY BE USED AS MULCH FOR PERMANENT STABILIZATION ACCORDING TO THE APPROVED APPLICATION RATES AND LIMITATIONS.
- (D) RIPRAP. FOR AREAS STABILIZED WITH RIPRAP, PERMANENT STABILIZATION MEANS THAT SLOPES STABILIZED WITH RIPRAP HAVE AN APPROPRIATE BACKING OF A WELL-GRADED GRAVEL OR APPROVED GEOTEXTILE TO PREVENT SOIL MOVEMENT FROM BEHIND THE RIPRAP. STONE MUST BE SIZED APPROPRIATELY. IT IS RECOMMENDED THAT ANGULAR STONE BE USED.
- (E) AGRICULTURAL USE. FOR CONSTRUCTION PROJECTS ON LAND USED FOR AGRICULTURAL PURPOSES (E.G., PIPELINES ACROSS CROP LAND), PERMANENT STABILIZATION MAY BE ACCOMPLISHED BY RETURNING THE DISTURBED LAND TO AGRICULTURAL USE.
- (F) PAVED AREAS. FOR PAVED AREAS, PERMANENT STABILIZATION MEANS THE PLACEMENT OF THE COMPACTED GRAVEL SUBBASE IS COMPLETED. (G) DITCHES, CHANNELS, AND SWALES. FOR OPEN CHANNELS, PERMANENT STABILIZATION MEANS THE CHANNEL IS STABILIZED WITH A 90% COVER OF HEALTHY VEGETATION, WITH A WELL-GRADED RIPRAP LINING, OR WITH ANOTHER NON-EROSIVE LINING SUCH AS CONCRETE OR ASPHALT PAVEMENT. THERE MUST BE NO EVIDENCE OF

SLUMPING OF THE CHANNEL LINING, UNDERCUTTING OF THE CHANNEL BANKS, OR

DOWN-CUTTING OF THE CHANNEL.

- MEASURES AND RESTRICTIONS. SPECIFICATIONS:
- MULCHING ALL AREA SHALL BE CONSIDERED TO BE DENUDED UNTIL SEEDED AND MULCHED.
- MULCH AND ANCHORING OF ALL EXPOSED SOIL SHALL OCCUR AT THE END OF EACH FINAL GRADING WORKDAY. PLACED (EVEN COVERED WITH MULCHED) WITHIN 100 FEET FROM ANY NATURAL
- RESOURCES.
- DISTURBED AREAS SHALL BE REVEGETATED IN THE SPRING. OVERWINTER STABILIZATION OF DITCHES AND CHANNELS ALL STONE-LINED DITCHES AND
- A DITCH MUST BE LINED WITH STONE RIPRAP BY NOVEMBER 15. A REGISTERED
- PLACING THE STONE LINING SO TO PREVENT THE STONE LINING FROM REDUCING THE DITCH'S CROSS-SECTIONAL AREA.

- THE SOD TO GUARANTEE CONTACT BETWEEN THE SOD AND UNDERLYING SOIL, AND
- UNDERNEATH THE RIPRAP.
- A RATE OF AT LEAST 150 POUNDS PER 1000 SQUARE FEET ON THE AREA SO THAT NO SOIL IS DISTURBED SOIL.
- MAINTENANCE: MAINTENANCE MEASURES SHALL BE APPLIED AS NEEDED DURING THE ENTIRE THEIR CONTINUOUS FUNCTION. FOLLOWING THE TEMPORARY AND/OR FINAL SEEDING AND

6. WINTER CONSTRUCTION. "WINTER CONSTRUCTION" IS CONSTRUCTION ACTIVITY PERFORMED DURING THE PERIOD FROM NOVEMBER 1 THROUGH APRIL 15. IF DISTURBED AREAS ARE NOT STABILIZED WITH PERMANENT MEASURES BY NOVEMBER 1 OR NEW SOIL DISTURBANCE OCCURS AFTER NOVEMBER 1, BUT BEFORE APRIL 15, THEN THESE AREAS MUST BE PROTECTED AND RUNOFF FROM THEM MUST BE CONTROLLED BY ADDITIONAL

NATURAL RESOURCE PROTECTION ANY AREAS WITHIN 100 FEET FROM ANY NATURAL RESOURCES, IF NOT STABILIZED WITH A MINIMUM OF 75 % MATURE VEGETATION CATCH, SHALL BE MULCHED BY DECEMBER 1 AND ANCHORED WITH PLASTIC NETTING OR PROTECTED WITH AN EROSION CONTROL COVER. DURING WINTER CONSTRUCTION, A DOUBLE ROW OF SEDIMENT BARRIERS (I.E. SILT FENCE BACKED WITH HAY BALES OR EROSION CONTROL MIX) WILL BE PLACED BETWEEN ANY NATURAL RESOURCE AND THE DISTURBED AREA. PROJECTS CROSSING THE NATURAL RESOURCE SHALL BE PROTECTED A MINIMUM DISTANCE OF 100 FEET ON EITHER SIDE FROM THE RESOURCE. EXISTING PROJECTS NOT STABILIZED BY DECEMBER 1 SHALL BE PROTECTED WITH THE SECOND LINE OF SEDIMENT BARRIER TO ENSURE FUNCTIONALITY DURING THE SPRING THAW AND RAINS. SEDIMENT BARRIERS DURING FROZEN CONDITIONS, SEDIMENT BARRIERS MAY CONSIST OF EROSION CONTROL MIX BERMS OR ANY OTHER RECOGNIZED SEDIMENT BARRIERS AS FROZEN SOIL PREVENTS THE PROPER INSTALLATION OF HAY BALES OR SILT FENCES.

HAY AND STRAW MULCH SHALL BE APPLIED AT A RATE OF 150 LB. PER 1,000 SQUARE FEET OR 3 TONS/ACRE (TWICE THE NORMAL ACCEPTED RATE OF 75-LBS./1,000 S.F. OR 1.5 TONS/ACRE) AND SHALL BE PROPERLY ANCHORED. EROSION CONTROL MIX MUST BE APPLIED WITH A MINIMUM 4-INCH THICKNESS. MULCH SHALL NOT BE SPREAD ON TOP OF SNOW. THE SNOW WILL BE REMOVED DOWN TO A ONE-INCH DEPTH OR LESS PRIOR TO APPLICATION. AFTER EACH DAY OF FINAL GRADING, THE AREA WILL BE PROPERLY STABILIZED WITH ANCHORED HAY OR STRAW OR EROSION CONTROL MATTING. AN AREA SHALL BE CONSIDERED TO HAVE BEEN STABILIZED WHEN EXPOSED SURFACES HAVE BEEN EITHER MULCHED OR ADEQUATELY ANCHORED SO THAT GROUND SURFACE IS NOT VISIBLE THOUGH THE MULCH. BETWEEN THE DATES OF NOVEMBER 1 AND APRIL 15, ALL MULCH SHALL BE ANCHORED BY EITHER MULCH NETTING, ASPHALT EMULSION CHEMICAL, TRACKING OR WOOD CELLULOSE FIBER. THE COVER WILL BE CONSIDERED SUFFICIENT WHEN THE GROUND SURFACE IS NOT VISIBLE THOUGH THE MULCH. AFTER NOVEMBER 1ST,

SOIL STOCKPILING STOCKPILES OF SOIL OR SUBSOIL WILL BE MULCHED FOR OVER WINTER PROTECTION WITH HAY OR STRAW AT TWICE THE NORMAL RATE OR WITH A FOUR-INCH LAYER OF EROSION CONTROL MIX. THIS WILL BE DONE WITHIN 24 HOURS OF STOCKING AND RE-ESTABLISHED PRIOR TO ANY RAINFALL OR SNOWFALL. ANY SOIL STOCKPILE WILL NOT BE

SEEDING BETWEEN THE DATES OF OCTOBER 15 AND APRIL 1ST, LOAM OR SEED WILL NOT BE REQUIRED. DURING PERIODS OF ABOVE FREEZING TEMPERATURES FINISHED AREAS SHALL BE FINE GRADED AND EITHER PROTECTED WITH MULCH OR TEMPORARILY SEEDED AND MULCHED UNTIL SUCH TIME AS THE FINAL TREATMENT CAN BE APPLIED. IF THE DATE IS AFTER NOVEMBER 1ST AND IF THE EXPOSED AREA HAS BEEN LOOMED, FINAL GRADED WITH A UNIFORM SURFACE, THEN THE AREA MAY BE DORMANT SEEDED AT A RATE OF 3 TIMES HIGHER THAN SPECIFIED FOR PERMANENT SEED AND THEN MULCHED. DORMANT SEEDING MAY BE PLACED PRIOR TO THE PLACEMENT OF MULCH OR EROSION CONTROL BLANKETS. IF DORMANT SEEDING IS USED FOR THE SITE, ALL DISTURBED AREAS SHALL RECEIVE 4' OF LOAM AND SEED AT AN APPLICATION RATE OF 5LBS/1000 S.F. ALL AREAS SEEDED DURING THE WINTER WILL BE INSPECTED IN THE SPRING FOR ADEQUATE CATCH. ALL AREAS INSUFFICIENTLY VEGETATED (LESS THAN 75 % CATCH) SHALL BE REVEGETATED BY REPLACING LOAM, SEED AND MULCH. IF DORMANT SEEDING IS NOT USED FOR THE SITE, ALL

CHANNELS MUST BE CONSTRUCTED AND STABILIZED BY NOVEMBER 15. ALL GRASS-LINED DITCHES AND CHANNELS MUST BE CONSTRUCTED AND STABILIZED BY SEPTEMBER 1. IF A DITCH OR CHANNEL IS NOT GRASS-LINED BY SEPTEMBER 1, THEN ONE OF THE FOLLOWING ACTIONS MUST BE TAKEN TO STABILIZE THE DITCH FOR LATE FALL AND WINTER. INSTALL A SOD LINING IN THE DITCH: A DITCH MUST BE LINED WITH PROPERLY INSTALLED SOD BY OCTOBER 1. PROPER INSTALLATION INCLUDES: PINNING THE SOD ONTO THE SOIL WITH WIRE PINS, ROLLING THE SOD TO GUARANTEE CONTACT BETWEEN THE SOD AND UNDERLYING SOIL. WATERING THE SOD TO PROMOTE ROOT GROWTH INTO THE DISTURBED SOIL. AND ANCHORING SOD AT THE BASE OF THE DITCH WITH JUTE OR PLASTIC MESH TO PREVENT THE SOD FROM SLOUGHING DURING FLOW CONDITIONS. INSTALL A STONE LINING IN THE DITCH: PROFESSIONAL MAG MUST BE HIRED TO DETERMINE THE STONE SIZE AND LINING THICKNESS NEEDED TO WITHSTAND THE ANTICIPATED FLOW VELOCITIES AND FLOW DEPTHS WITHIN THE DITCH. IF NECESSARY, THE CONTRACTOR WILL REGRADE THE DITCH PRIOR TO

OVERWINTER STABILIZATION OF DISTURBED SLOPES ALL STONE-COVERED SLOPES MUST BE CONSTRUCTED AND STABILIZED BY NOVEMBER 15. AND ALL SLOPES TO BE VEGETATED MUST BE SEEDED AND MULCHED BY SEPTEMBER 1. THE DEPARTMENT WILL CONSIDER ANY AREA HAVING A GRADE GREATER THAN 15% TO BE A SLOPE. IF A SLOPE TO BE VEGETATED IS NOT STABILIZED BY SEPTEMBER 1, THEN ONE OF THE FOLLOWING ACTIONS MUST BE TAKEN TO STABILIZE THE SLOPE FOR LATE FALL AND WINTER. STABILIZE THE SOIL WITH TEMPORARY VEGETATION AND EROSION CONTROL MATS -- BY OCTOBER 1 THE DISTURBED SLOPE MUST BE SEEDED WITH WINTER RYE AT A SEEDING RATE OF 3 POUNDS PER 1000 SQUARE FEET AND THEN INSTALL EROSION CONTROL MATS OR ANCHORED MULCH OVER THE SEEDING. IF THE RYE FAILS TO GROW AT LEAST THREE INCHES OR FAILS TO COVER AT LEAST 75% OF THE SLOPE BY NOVEMBER 1. THEN THE CONTRACTOR WILL COVER THE SLOPE WITH A LAYER OF EROSION CONTROL MIX OR WITH STONE RIPRAP AS DESCRIBED IN THE FOLLOWING STANDARDS. STABILIZE THE SOIL WITH SOD -- THE DISTURBED SLOPE MUST BE STABILIZED WITH PROPERLY INSTALLED SOD BY OCTOBER 1. PROPER INSTALLATION INCLUDES THE CONTRACTOR PINNING THE SOD ONTO THE SLOPE WITH WIRE PINS, ROLLING

WATERING THE SOD TO PROMOTE ROOT GROWTH INTO THE DISTURBED SOIL. THE CONTRACTOR WILL NOT USE LATE-SEASON SOD INSTALLATION TO STABILIZE SLOPES HAVING A GRADE GREATER THAN 33% (3H:1V) OR HAVING GROUNDWATER SEEPS ON THE SLOPE FACE. STABILIZE THE SOIL WITH EROSION CONTROL MIX - EROSION CONTROL MIX MUST BE PROPERLY INSTALLED BY NOVEMBER 15. THE CONTRACTOR WILL NOT USE EROSION CONTROL MIX TO STABILIZE SLOPES HAVING GRADES GREATER THAN 50% (2H:1V) OR HAVING GROUNDWATER SEEPS ON THE SLOPE FACE. STABILIZE THE SOIL WITH STONE RIPRAP -- PLACE A LAYER OF STONE RIPRAP ON THE SLOPE BY NOVEMBER 15. THE DEVELOPMENT'S OWNER WILL HIRE A REGISTERED PROFESSIONAL MAG TO DETERMINE THE STONE SIZE NEEDED FOR STABILITY ON THE SLOPE AND TO DESIGN A FILTER LAYER FOR

OVERWINTER STABILIZATION OF DISTURBED SOILS BY SEPTEMBER 15, ALL DISTURBED SOILS ON AREAS HAVING A SLOPE LESS THAN 15% MUST BE SEEDED AND MULCHED. IF THE DISTURBED AREAS ARE NOT STABILIZED BY THIS DATE, THEN ONE OF THE FOLLOWING ACTIONS MUST BE TAKEN TO STABILIZE THE SOIL FOR LATE FALL AND WINTER. STABILIZE THE SOIL WITH TEMPORARY VEGETATION – BY OCTOBER 1, SEED THE DISTURBED SOIL WITH WINTER RYE AT A SEEDING RATE OF 3 POUNDS PER 1000 SQUARE FEET, LIGHTLY MULCH THE SEEDED SOIL WITH HAY OR STRAW AT 75 POUNDS PER 1000 SQUARE FEET, AND ANCHOR THE MULCH WITH PLASTIC NETTING. MONITOR GROWTH OF THE RYE OVER THE NEXT 30 DAYS. IF THE RYE FAILS TO GROW AT LEAST THREE INCHES OR FAILS TO COVER AT LEAST 75% OF THE DISTURBED SOIL BEFORE NOVEMBER 1, THEN MULCH THE AREA FOR OVER-WINTER PROTECTION AS DESCRIBED BELOW. STABILIZE THE SOIL WITH SOD --STABILIZE THE DISTURBED SOIL WITH PROPERLY INSTALLED SOD BY OCTOBER 1. PROPER INSTALLATION INCLUDES PINNING THE SOD ONTO THE SOIL WITH WIRE PINS, ROLLING THE SOD TO GUARANTEE CONTACT BETWEEN THE SOD AND UNDERLYING SOIL, AND WATERING THE SOD TO PROMOTE ROOT GROWTH INTO THE DISTURBED SOIL. STABILIZE THE SOIL WITH MULCH -- BY NOVEMBER 15, MULCH THE DISTURBED SOIL BY SPREADING HAY OR STRAW AT

VISIBLE THROUGH THE MULCH. IMMEDIATELY AFTER APPLYING THE MULCH. ANCHOR THE MULCH WITH PLASTIC NETTING TO PREVENT WIND FROM MOVING THE MULCH OFF THE CONSTRUCTION SEASON. AFTER EACH RAINFALL, SNOW STORM OR PERIOD OF THAWING AND RUNOFF, THE SITE CONTRACTOR SHALL PERFORM A VISUAL INSPECTION OF ALL INSTALLED EROSION CONTROL MEASURES AND PERFORM REPAIRS AS NEEDED TO INSURE

MULCHING, THE CONTRACTOR SHALL, IN THE SPRING, INSPECT AND REPAIR ANY DAMAGES AND/OR BARE SPOTS. AN ESTABLISHED VEGETATIVE COVER MEANS A MINIMUM OF 85 TO 90 % OF AREAS VEGETATED WITH VIGOROUS GROWTH.

STABILIZATION SCHEDULE BEFORE WINTER:

SEPTEMBER 15 ALL DISTURBED AREAS MUST BE SEEDED AND MULCHED. ALL SLOPES MUST BE STABILIZED, SEEDED AND MULCHED. ALL GRASS-LINED DITCHES AND CHANNELS MUST BE STABILIZED WITH MULCH OR AN EROSION CONTROL BLANKET. OCTOBER 1 IF THE SLOPE IS STABILIZED WITH AN EROSION CONTROL BLANKET AND SEEDED. ALL DISTURBED AREAS TO BE PROTECTED WITH AN ANNUAL GRASS MUST BE SEEDED AT A SEEDING RATE OF 3 POUNDS PER 1000 SQUARE FEET AND MULCHED.

NOVEMBER 15 ALL STONE-LINED DITCHES AND CHANNELS MUST BE CONSTRUCTED AND STABILIZED. SLOPES THAT ARE COVERED WITH RIPRAP MUST BE CONSTRUCTED BY THAT DATE.

DECEMBER 1 ALL DISTURBED AREAS WHERE THE GROWTH OF VEGETATION FAILS TO BE AT LEAST THREE INCHES TALL OR AT LEAST 75% OF THE DISTURBED SOIL IS COVERED BY VEGETATION, MUST BE PROTECTED FOR OVER-WINTER. NOTE:

THE DATES GIVEN ARE FOR PROJECTS IN SOUTH-CENTRAL MAINE. ADJUST THE DATES GIVEN BASED ON THE PROJECT'S LOCATION WITHIN THE STATE - REDUCING TIMES UP TO THREE WEEKS FOR PROJECT'S IN NORTHERN MAINE AND EXTENDING TIMES UP TO TWO WEEKS FOR PROJECT'S ON THE COAST IN EXTREME SOUTHERN MAINE.

- 7. STORMWATER CHANNELS. DITCHES, SWALES, AND OTHER OPEN STORMWATER CHANNELS MUST BE CONSTRUCTED AND STABILIZED USING MEASURES THAT ACHIEVE LONG-TERM EROSION CONTROL. EACH CHANNEL SHOULD BE CONSTRUCTED IN SECTIONS SO THAT THE SECTION'S GRADING, SHAPING, AND INSTALLATION OF THE PERMANENT LINING CAN BE COMPLETED THE SAME DAY. IF A CHANNEL'S FINAL GRADING OR LINING INSTALLATION MUST BE DELAYED, THEN DIVERSION BERMS MUST BE USED TO DIVERT STORMWATER AWAY FROM THE CHANNEL, PROPERLY-SPACED CHECK DAMS MUST BE INSTALLED IN THE CHANNEL TO SLOW THE WATER VELOCITY, AND A TEMPORARY LINING INSTALLED ALONG THE CHANNEL TO PREVENT SCOURING.
- 8. ROADS. GRAVEL AND PAVED ROADS MUST BE CONSTRUCTED WITH CROWNS OR OTHER MEASURES, SUCH AS WATER BARS, TO ENSURE THAT STORMWATER IS DELIVERED IMMEDIATELY TO ADJACENT STABLE DITCHES, VEGETATED BUFFER AREAS, CATCH BASIN INLETS, OR STREET GUTTERS.
- 9. CULVERTS. CULVERT INLETS MUST BE PROTECTED WITH APPROPRIATE MATERIALS AND PROTECTION MUST EXTEND AT LEAST AS HIGH AS THE EXPECTED MAXIMUM ELEVATION OF STORAGE BEHIND THE CULVERT, CULVERT OUTLETS MUST INCORPORATE MEASURES, SUCH AS APRONS OR PLUNGE POOLS, TO PREVENT SCOUR OF THE STREAM CHANNEL.
- 10. PARKING AREAS. PARKING AREAS MUST BE CONSTRUCTED TO ENSURE RUNOFF IS DELIVERED TO ADJACENT SWALES, CATCH BASINS, CURB GUTTERS, OR BUFFER AREAS WITHOUT ERODING AREAS DOWNSLOPE. THE PARKING AREA'S SUBBASE COMPACTION AND GRADING MUST BE DONE TO ENSURE RUNOFF IS EVENLY DISTRIBUTED TO ADJACENT BUFFERS OR SIDE SLOPES. CATCH BASINS MUST BE LOCATED AND SET TO PROVIDE ENOUGH STORAGE DEPTH AT THE INLET TO ALLOW INFLOW OF PEAK RUNOFF RATES WITHOUT BY-PASS OF RUNOFF TO OTHER AREAS.

INSPECTION AND MAINTENANCE PLAN

1. DURING CONSTRUCTION. THE FOLLOWING STANDARDS MUST BE MET DURING CONSTRUCTION:

- (A) INSPECTION AND CORRECTIVE ACTION. INSPECT DISTURBED AND IMPERVIOUS AREAS, EROSION CONTROL MEASURES, MATERIALS STORAGE AREAS THAT ARE EXPOSED TO PRECIPITATION, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE. INSPECT THESE AREAS AT LEAST ONCE A WEEK AS WELL AS BEFORE AND AFTER A STORM EVENT. AND PRIOR TO COMPLETING PERMANENT STABILIZATION MEASURES. A PERSON WITH KNOWLEDGE OF EROSION AND STORMWATER CONTROL, INCLUDING THE STANDARDS AND CONDITIONS IN THE PERMIT, SHALL CONDUCT THE INSPECTIONS.
- (B) MAINTENANCE. MAINTAIN ALL MEASURES IN EFFECTIVE OPERATING CONDITION UNTIL AREAS ARE PERMANENTLY STABILIZED. IF BEST MANAGEMENT PRACTICES (BMPS) NEED TO BE MAINTAINED OR MODIFIED, ADDITIONAL BMPS ARE NECESSARY, OR OTHER CORRECTIVE ACTION IS NEEDED. IMPLEMENTATION MUST BE COMPLETED WITHIN 7 CALENDAR DAYS AND PRIOR TO ANY STORM EVENT (RAINFALL)
- (C) DOCUMENTATION. KEEP A LOG (REPORT) SUMMARIZING THE INSPECTIONS AND ANY CORRECTIVE ACTION TAKEN. THE LOG MUST INCLUDE THE NAME(S) AND QUALIFICATIONS OF THE PERSON MAKING THE INSPECTIONS. THE DATE(S) OF THE INSPECTIONS, AND MAJOR OBSERVATIONS ABOUT THE OPERATION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROLS, MATERIALS STORAGE AREAS, AND VEHICLES ACCESS POINTS TO THE PARCEL. MAJOR OBSERVATIONS MUST INCLUDE BMPS THAT NEED MAINTENANCE, BMPS THAT FAILED TO OPERATE AS DESIGNED OR PROVED INADEQUATE FOR A PARTICULAR LOCATION, AND LOCATION(S) WHERE ADDITIONAL BMPS ARE NEEDED. FOR EACH BMP REQUIRING MAINTENANCE, BMP NEEDING REPLACEMENT, AND LOCATION NEEDING ADDITIONAL BMPS, NOTE IN THE LOG THE CORRECTIVE ACTION TAKEN AND WHEN IT WAS TAKEN. THE LOG MUST BE MADE ACCESSIBLE TO DEPARTMENT STAFF AND A COPY MUST BE PROVIDED UPON REQUEST. THE PERMITTEE SHALL RETAIN A COPY OF THE LOG FOR A PERIOD OF AT LEAST THREE YEARS FROM THE COMPLETION OF PERMANENT STABILIZATION.
- HOUSEKEEPING PLAN 1. SPILL PREVENTION. CONTROLS MUST BE USED TO PREVENT POLLUTANTS FROM BEING DISCHARGED FROM MATERIALS ON SITE, INCLUDING STORAGE PRACTICES TO MINIMIZE EXPOSURE OF THE MATERIALS TO STORMWATER, AND APPROPRIATE SPILL PREVENTION, CONTAINMENT, AND RESPONSE PLANNING AND IMPLEMENTATION.
- 2. GROUNDWATER PROTECTION. DURING CONSTRUCTION, LIQUID PETROLEUM PRODUCTS AND OTHER HAZARDOUS MATERIALS WITH THE POTENTIAL TO CONTAMINATE GROUNDWATER MAY NOT BE STORED OR HANDLED IN AREAS OF THE SITE DRAINING TO AN INFILTRATION AREA. AN "INFILTRATION AREA" IS ANY AREA OF THE SITE THAT BY DESIGN OR AS A RESULT OF SOILS, TOPOGRAPHY AND OTHER RELEVANT FACTORS ACCUMULATES RUNOFF THAT INFILTRATES INTO THE SOIL. DIKES, BERMS, SUMPS, AND OTHER FORMS OF SECONDARY CONTAINMENT THAT PREVENT DISCHARGE TO GROUNDWATER MAY BE USED TO ISOLATE PORTIONS OF THE SITE FOR THE PURPOSES OF STORAGE AND HANDLING OF THESE MATERIALS.
- 3. FUGITIVE SEDIMENT AND DUST. ACTIONS MUST BE TAKEN TO ENSURE THAT ACTIVITIES DO NOT RESULT IN NOTICEABLE EROSION OF SOILS OR FUGITIVE DUST EMISSIONS DURING OR AFTER CONSTRUCTION. OIL MAY NOT BE USED FOR DUST CONTROL. NOTE: AN EXAMPLE OF THE USE OF BMPS TO CONTROL FUGITIVE SEDIMENT AND DUST IS AS FOLLOWS. OPERATIONS DURING WET MONTHS THAT EXPERIENCE TRACKING OF MUD OFF THE SITE ONTO PUBLIC ROADS SHOULD PROVIDE FOR SWEEPING OF ROAD AREAS AT LEAST ONCE A WEEK AND PRIOR TO SIGNIFICANT STORM EVENTS. WHERE CHRONIC MUD TRACKING OCCURS, A STABILIZED CONSTRUCTION ENTRANCE SHOULD BE PROVIDED. OPERATIONS DURING DRY MONTHS, THAT EXPERIENCE FUGITIVE DUST PROBLEMS, SHOULD WET DOWN THE ACCESS ROADS ONCE A WEEK OR MORE FREQUENTLY AS NEEDED. NOTE: DEWATERING A STREAM WITHOUT A PERMIT FROM THE DEPARTMENT VIOLATES
- STATE WATER QUALITY STANDARDS AND THE NATURAL RESOURCES PROTECTION ACT. 4. DEBRIS AND OTHER MATERIALS. LITTER, CONSTRUCTION DEBRIS, AND CHEMICALS EXPOSED TO STORMWATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE. **NOTE:** TO PREVENT THESE MATERIALS FROM BECOMING A SOURCE OF POLLUTANTS, CONSTRUCTION AND POST-CONSTRUCTION ACTIVITIES RELATED TO A PROJECT MAY BE REQUIRED TO COMPLY WITH APPLICABLE PROVISION OF RULES RELATED TO SOLID, UNIVERSAL, AND HAZARDOUS WASTE, INCLUDING, BUT NOT LIMITED TO, THE MAINE SOLID WASTE AND HAZARDOUS WASTE MANAGEMENT RULES: MAINE HAZARDOUS WASTE MANAGEMENT RULES; MAINE OIL CONVEYANCE AND STORAGE RULES; AND MAINE PESTICIDE REQUIREMENTS.
- 5. TRENCH OR FOUNDATION DE-WATERING. TRENCH DE-WATERING IS THE REMOVAL OF WATER FROM TRENCHES, FOUNDATIONS, COFFERDAMS, PONDS, AND OTHER AREAS WITHIN THE CONSTRUCTION AREA THAT RETAIN WATER AFTER EXCAVATION. IN MOST CASES THE COLLECTED WATER IS HEAVILY SILTED AND HINDERS CORRECT AND SAFE CONSTRUCTION PRACTICES. THE COLLECTED WATER MUST BE REMOVED FROM THE PONDED AREA, EITHER THROUGH GRAVITY OR PUMPING, AND MUST BE SPREAD THROUGH NATURAL WOODED BUFFERS OR REMOVED TO AREAS THAT ARE SPECIFICALLY DESIGNED TO COLLECT THE MAXIMUM AMOUNT OF SEDIMENT POSSIBLE, LIKE A COFFERDAM SEDIMENTATION BASIN. AVOID ALLOWING THE WATER TO FLOW OVER DISTURBED AREAS OF THE SITE. EQUIVALENT MEASURES MAY BE TAKEN IF APPROVED BY THE DEPARTMENT. SITE DEFINITION

1. POSITIVE DRAINAGE SHALL MEAN PROVIDING A MINIMUM DOWN GRADIENT SLOPE OF ONE PERCENT TO A REFERENCED STRUCTURE OR VEGETATIVE SWALE UNLESS OTHERWISE NOTED.

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	SIRUCIURAL DESIGNS FOR CONCREIE SCOREBOARD FOOIINGS (OWNED BY CONTRACTOR) WILL BE PROVIDED TO BIDDERS AS AN ADDENDUM

10' HIGH TENSION NET POST IN LINE WITH CHAIN LINK FENCE;

HIGH CHAIN LINK FENCE; CUSTOM OVERHEAD TTING TO CHAIN LINK NCE TOP RAIL	>	
		10'-0"

REV.

SCALE.

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	Orono, ME		
	GRID SUMMARY		
	Name:	Softball	
	Size:	200'/220'/200	' - basepath 60'
	Spacing:	20.0' x 20.0'	
	Height:	3.0' above gra	de
	ILLUMINATION S	UMMARY	
	MAINTAINED HORIZONT	AL FOOTCANDLES	
		Infield	Outfield
	Guaranteed Average:	100	70
	Maximum:	129.13	119
	Minimum:	107	63
	Avg / Min:	1.21	1.29
	Guaranteed Max / Min:	1.7	2
	UG (adjacent pts):	1.39	1.87
	CU:	0.62	1120
	No. of Points:	25	82
	LUMINAIRE INFORMATIC	N.	
	Applied Circuits:	A 54	
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	Guaranteed Performan	ce: The ILLUMI	NATION described above
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\bigcirc	includes a 0.95 dirt dep	reclation factor.	
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	in accordance with IESN	IA RP-6-15.	and should be taken
	Electrical System Requi	rements: Refer	to Amperage
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	for electrical sizing.		
	Installation Requireme	nts: Results assu	ume ± 3%
	nominal voltage at line	side of the drive	er and structures
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	ILLU	JMINATI	ON SUMMARY

NO	TES	:

- 1. ATHLETIC FIELD LIGHTING SYSTEM TO BE FURNISHED BY OWNER. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF DELIVERY AND INSTALLATION.
- 3. REFER TO SPECIFICATION SECTION 01 00 00 SUMMARY FOR COMPLETE LIST OF ITEMS TO BE PROCURED BY OWNER.
- 4. REFER TO ELECTRICAL DRAWINGS FOR POWER REQUIREMENTS.

ATHLETIC FIELD LIGHTING - POLE AND FOUNDATION DESIGN (SHEET C2) NOT TO SCALE

STRUCTURAL DESIGNS FOR ATHLETIC FIELD LIGHTING POLE FOUNDATIONS (INSTALLATION OWNED BY CONTRACTOR) WILL BE PROVIDED TO BIDDERS AS AN ADDENDUM

INTENTIONALLY BLANK STRUCTURAL DESIGNS FOR ATHLETIC FIELD LIGHTING POLE FOUNDATIONS

1. OUTFIELD LOGO

2. THIRD BASELINE LOGO

ELECTRONIC FILES FOR ALL LOGOS WILL BE PROVIDED TO THE TURF VENDOR TO PREPARE SHOP DRAWINGS AND SUBMITTALS FOR REVIEW. REFER TO DETAILS FOR DIMENSIONAL LAYOUT OF FIELDS. FINAL CENTERFIELD LOGO TO BE REVIEWED BY OWNER.

FIELD LINE NOTES:

- 1. SOFTBALL (3" WIDE WHITE LINES)
- 2. REFER TO LF501 FOR FIELD LINE DIMENSIONS
- 3. FIELD BODY SHALL BE A BLEND OF TWO (2) STANDARD GREENS; INFIELD AND BORDER SHALL BE STANDARD TAN
- 4. LOGO COLORS SHALL BE STANDARD WHITE, DARK GREEN, AND LIGHT BLUE.

INFILLED SYNTHETIC TURF SYSTEM - PRODUCT SPECIFICATIONS

- 1. INFILLED SYNTHETIC TURF CARPET SHALL BE TRIPLE THREAT NATURAL, AS MANUFACTURED BY FIELDTURF.
- 2. INFILL SHALL BE SILICA SAND AND SBR RUBBER INSTALLED AT MANUFACTURER'S RECOMMENDED RATIO.

3. FIRST BASELINE LOGO

Q	 ALL DOCUMENTS ARE INSTRUMENTS OF SERVICE AND ARE COPYRIGHT PROPERTY OF WBRC ARCHITECTS ENGINEERS. THEY MAY NOT BE REPRODUCED, ALTERED OR REUSED WITHOUT THE EXPRESS WRITTEN CONSENT OF WBRC ARCHITECTS ENGINEERS. 	EXCAVATION NOTES: 1. SITE PREPARATION SHOULD BEGIN WITH THE CONSTRUCTION OF AN EROSION CONTROL SYSTEM TO MINIMIZE SILTATION INTO DRAINAGE-WAYS AND AREAS OUTSIDE THE CONSTRUCTION LIMITS.	STRUCTURAL CONCRETE MASONRY NOTES: 1. REFER TO SPECIFICATION SECTION 042000, UNIT MASONRY, FOR SPECIFIC INFORMATION RELATED TO CONCRETE UNIT MASONRY (CMU).	 WOOD FRAMING NOTES: 1. WOOD FRAMING SHALL BE IN CONFORMANCE WITH THE STANDARDS, SPECIFICATIONS, AND REQUIREMENTS OF THE AMERICAN FOREST AND PAPER ASSOCIATION (AF & PA). WOOD MEMBER AND CONNECTION DESIGN SHALL BE IN ACCORDANCE WITH NDS "NATIONAL DEISGN SPECIFICATION FOR 	ENGINEERED LUMBER NOTES: 1. REFER TO SPECIFICATION SECTION 061000, ROUG INFORMATION RELATED TO WOOD STRUCTURAL
	2. CONTRACT DRAWINGS REPRESENT THE DESIGN INTENT OF THE PROJECT. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE MEANS AND METHODS OF CONSTRUCTION TO TRANSFORM THE DESIGN INTENT INTO THE PHYSICAL STRUCTURE.	 EXTEND AND SLOPE SIDES OF EXCAVATION, OR SHORE, SHEET AND BRACE EXCAVATION, AS REQUIRED, TO ENSURE SAFETY AND STABILITY AT ALL TIMES. PUMP EXCAVATION TO REMOVE SURFACE AND GROUND WATER TO PERMIT FINISHING OF EXCAVATION AND 	2. ALL MASONRY WORK, INCLUDING CURING, ERECTION, AND WEATHER PROTECTION SHALL CONFORM TO THE REQUIREMENTS OF TMS 402/ACI 530/ASCE 5 "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES", TMS 602/ACI 530.1/ASCE 6 "SPECIFICATION FOR MASONRY STRUCTURES AND THE STANDARDS OF THE NATIONAL CONCRETE MASONRY ASSOCIATION (NCMA)	 WOOD CONSTRUCTION WITH COMMENTARY". 2. REFER TO SPECIFICATION SECTION 061000, ROUGH CARPENTRY, FOR SPECIFIC INFORMATION RELATED TO WOOD STRUCTURAL FRAMING. 	2. ENGINEERED LUMBER PRODUCTS SHALL BE DES IN ACCORDANCE WITH THE CURRENT CODE-ACC
-	3. SECTIONS AND DETAILS SHOWN ON ANY STRUCTURAL DRAWING ARE TO BE CONSIDERED TYPICAL FOR ALL SIMILAR CONDITIONS, UNLESS NOTED OTHERWISE (U.N.O.).	PLACEMENT OF FOUNDATIONS IN THE DRY.4. STAGING AND SEQUENCING OF SITE PER PERMIT CONDITIONS.	 CONCRETE MASONRY WALLS WHICH ARE SUBJECT TO LATERAL AND/OR VERTICAL LOADS ARE DEFINED AS "STRUCTURAL CONCRETE MASONRY" AND INDICATED ON THE STRUCTURAL DRAWINGS. REINFORCING 	 ALL LUMBER USED IN A STRUCTURAL CAPACITY SHALL BE KILN DRIED WITH A MAXIMUM MOISTURE CONTENT OF 19%: 	 WOOD I-JOIST SHALL BE ERECTED IN ACCORDAN REQUIREMENTS. WOOD I-JOISTS ARE INDICATED FROM WEYERHAEUSER. APPROVED EQUIVALEN MAY BE USED
Ρ	4. STRUCTURAL DRAWINGS ARE NOT INDEPENDENT DOCUMENTS AND ARE INTENDED TO BE USED IN CONJUNCTION WITH SPECIFICATIONS AND ARCHITECTURAL DRAWINGS. <u>DO NOT SCALE DRAWINGS</u> . REFER TO AND COORDINATE WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, CIVIL AND APPROVED SHOP DRAWINGS FOR LOCATION AND DIMENSIONS OF CHASES, INSERTS, OPENINGS, SLEEVES, DEPRESSIONS, ATTACHMENT OF FINISHES AND ALL OTHER DETAILS NOT SHOWN ON THE STRUCTURAL DRAWINGS. CONTRACTOR SHALL NOTICY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES AND INCONSISTENCIES.	FOUNDATION, BACKFILL AND DRAINAGE NOTES: 1. FOUNDATION WORK SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT PREPARED FOR THIS	 4. ALL CONCRETE MASONRY BLOCK WALLS SHALL BE SINGLE WYTHE CONSTRUCTION AND LAID IN RUNNING BOND, U.N.O. PROVIDE FULL MORTAR COVERAGE ON ALL WEBS AND FACE SHELLS. TOOL ALL JOINTS CONCAVE. CORNER BLOCKS AND END BLOCKS SHALL BE USED TO FINISH ALL 90 DEGREE CORNERS AND 	 UNTREATED WOOD FRAMING FOR 2" TO 4" THICNESS SHALL BE A MINIMUM GRADE OF SPRUCE-PINE- FIR #1/#2 OR HEM-FIR #2, UNLESS NOTED OTHERWISE ON STRUCTURAL DRAWINGS. PRESSURE-TREATED WOOD FRAMING FOR 2" TO 4" THICKNESS SHALL BE A MINIMUM GRADE OF SOUTHERN YELLOW PINE #2 AND IN ACCORDANCE WITH AWPA STANDARD T1. 	 LAMINATED VENEER LUMBER (LVL) BEAMS AND H MANUFACTURER'S RECOMMENDATIONS AND SPE PARALLEL STRAN LUMBER (PSL) BEAMS AND HEA MANUFACTURE PIC RECOMMENDATIONS AND SPE
-	 BETWEEN CONTRACT DRAWINGS FOR RESOLUTION PRIOR TO PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL MAKE NO DEVIATION FROM THE CONTRACT DRAWINGS WITHOUT THE WRITTEN 	PROJECT. 2. THE OWNER AND ARCHITECT/ENGINEER ASSUME NO RESPONSIBILITY FOR THE VALIDITY OF THE SUBSURFACE CONDITIONS DESCRIBED ON THE DRAWINGS. SPECIFICATIONS, BORING LOGS, OR TEST PITS	WALL OPENINGS. ALIGN CELLS TO MAINTAIN A CLEAR UNOBSTRUCTED VERTICAL SPACE. CELLS TO BE GROUTED SHALL BE KEPT CLEAN OF PROTRUSIONS OR MORTAR FINS. 5. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONAL WALL LAYOUT. OPENING LOCATIONS AND DETAILS.	6. THE CONTRACTOR SHALL CAREFULLY SELECT LUMBER TO BE USED IN LOAD-BEARING FRAMING APPLICATIONS. THE LENGTH OF SPLIT ON THE WIDE FACE OF 2" NOMINAL LOAD-BEARING FRAMING SHALL BE LIMITED TO LESS THAN 1/2 OF THE WIDE FACE DIMENSION.	 6. THE CONTRACTOR SHALL PROVIDE ALL TEMPORA REQUIRED FOR SAFE ERECTION AND PERFORMA
	6. ALL REQUESTS FOR INFORMATION SHALL BE COORDINATED THROUGH THE ARCHITECT.	THIS DATA IS INCLUDED ONLY TO ASSIST THE CONTRACTOR DURING BIDDING AND SUBSEQUENT CONSTRUCTION AND REPRESENT CONDITIONS ONLY OF THOSE SPECIFIED LOCATIONS AT THE PARTICULAR TIME THEY WERE MADE.	SPECIAL COURSING, TIES AND ANCHORS, EMBEDED FLASHING MATERIAL AND OTHER NON-STRUCTURAL ITEMS.	7. PROVIDE ROW OF BLOCKING AT 4' - 0" MAXIMUM FOR FULL HEIGHT OF LOAD-BEARING STUD WALL AND AS REQUIRED TO SUPPORT FACING MATERIALS, FIXTURES, SPECIALTY ITEMS AND TRIM.	7. ENGINEERED LUMBER SHALL NOT BE CUT, NOTO ALTERED IN ANY WAY UNLESS SPECIFICALLY CON MANUFACTURER'S WRITTEN REQUIREMENTS.
0	 REFER TO THE PROJECT MANUAL FOR GENERAL CONTRACT REQUIREMENTS AND DETAILED REQUIREMENTS FOR MATERIALS, WORKMANSHIP AND SHOP DRAWING SUBMITTALS. THESE NOTES SUPPLEMENT THE SPECIFICATIONS, WHICH SHALL BE REFERRED TO FOR ADDITIONAL REQUIREMENTS. THE CONTRACTOR SHALL VERIFY AT THE PROJECT SITE ALL DIMENSIONS AND ELEVATIONS, NEW AND EXISTING BY MEASUREMENTS AND SURVEYS PRIOR TO SUBMITTAL OF THE SHOP DRAWINGS. THE 	3. THE CONTRACTOR SHALL INFORM THE ARCHITECT/ENGINEER AND RELOCATE, AS REQUIRED, ANY EXISTING UTILITY LINES THAT MAY INTERFERE WITH NEW FOUNDATIONS. THE CONTRACTOR SHALL REMOVE ANY EXISTING UTILITY LINES THAT ARE BEING ABANDONED IN THE VICINITY OF THE NEW FOUNDATION AND BACKFILL THE AREA WITH COMPACTED STRUCTURAL FILL.	 AND SPECIFICATIONS. CONCRETE MASONRY UNITS SHALL BE NORMAL-WEIGHT AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM C90. THE CONCRETE MASONRY UNIT SHALL HAVE A MINIMUM NET AREA COMPRESSIVE STRENGTH F'm OF 2,000 PSI AT 28 DAYS. 	8. PROVIDE PRESURE-TREATED LUMBER AT WALL SILL PLATE MEMBERS, EXTERIOR EXPOSURE, AND ALL LOCATIONS WHERE LUMBER WILL BE IN CONTACT WITH MASONRY OR CONCRETE. CUTS AND HOLES DUE TO ON-SITE FABRICATION SHALL BE BRUSHED WITH 2 COATS OF COPPER NAPHTHENATE SOLUTION CONTAINING A MINIMUM OF 2% METALLIC COPPER IN SOLUTION (PER AWPA STD M4).	8. ENGINEERED LUMBER SHALL BE STORED IN BUN FROM GROUND CONTACT. ANY DAMAGE TO JOIS ATTENTION OF THE SUPPLIER. FIELD REPAIR OR MADE WITHOUT THE WRITTEN APPROVAL OF THE
_	CONTRACTOR SHALL TAKE ALL MEASUREMENTS NECESSARY TO VERIFY CONFORMANCE WITH ALL THE CONTRACT DRAWINGS. NOTIFY THE ARCHITECT/ENGINEER IN WRITNG OF ANY INCONSISTENCIES, DISCREPENCIES OR UNFORSEEN FIELD CONDITION UNCOVERED DURING CONSTRUCTION THAT MAY BE	4. PREPARE AREAS OF PROPOSED FILL AND CONSTRUCTION BY REMOVING TOPSOIL, EXISTING FILL, ORGANIC MATERIAL, AND FROZEN, WET, SOFT, LOOSE OR OTHERWISE UNSUITABLE MATERIALS. PROOFROLL THE EXPOSED SUBGRADE WITH SUITABLE EQUIPMENT AS REQUIRED.	8. MORTAR SHALL CONFORM TO ASTM C270, TYPE M OR S MORTAR. MORTAR SHALL NOT BE USED WHERE GROUT IS SPECIFIED.	9. BORED OR CUT HOLES SHALL NOT EXCEED ONE-THIRD OF THE DEPTH OF ANY UN-REINFORCED STRUCTURAL WALL STUD. EDGES OF HOLES SHALL NOT BE LOCATED CLOSER THAN 5/8" FROM THE EDGE OF THE STUD. STRUCTURAL WALL STUDS MAY HAVE BORED OR CUT HOLES UP TO ONE-HALF THE STUD DEPTH ONLY IF ADDITIONAL STUDS ARE INSTALLED OR SIMPSON STRONG-TIE TYPE SS1.5	9. ENGINEERED LUMBER SHALL BE CAREFULLY HAN DISTORTION.
N	9. THE STRUCTURALLY INADEQUATE OR WILL IMPAIR ARCHITECTURAL LAYOUTS AND ATTACHMENT OF FINISHES. INDICATE THE METHOD OF CONSTRUCTION. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND	 ALL SUBGRADES AT FOOTING EXCAVATIONS SHALL BE INSPECTED AND APPROVED BY THE DESIGNATED EARTHWORK INSPECTOR BEFORE CONCEALING WITH STRUCTURAL FILL AND BEFORE THE FOOTINGS ARE FORMED AND CAST. 	 9. GROUT SHALL CONFORM TO ASTM C476, FINE GROUT, WITH A MINIMUM GROUT COMPRESSIVE STRENGTH OF 2,000 PSI AT 28 DAYS. 10. REINFORCING BARS SHALL BE NEW BILLET STEEL CONFORMING TO ASTM A615, GRADE 60. SECURELY. 	STUD SHOES ARE USED. HOLES ARE NOT ALLOWED IN POSTS OR COLUMNS UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS. 10. BUILT-UP POSTS AND BEAMS SHALL BE FASTENED TOGETHER WITH A MINIMUM OF TWO 10d NAILS AT	STRUCTURAL DESIGN CRITERIA:
	STABLE ONLY AFTER THE BUILDING IS COMPLETE. NO PROVISIONS HAVE BEEN MADE FOR CONDITIONS OCCURRING DURING CONSTRUCTION. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND SAFETY PROGRAMS DURING THE CONSTRUCTION OPERATIONS OF THE PROJECT. THIS INCLUDES THE DESIGN, INSTALLATION AND REMOVAL OF NECESSARY SHORING,	6. ALL FOOTINGS SHALL BEAR ON SUITABLE NATIVE UNDISTURBED SOIL OR COMPACTED STRUCTURAL FILL. REFER TO STRUCTURAL DRAWINGS AND GEOTECHNICAL REPORT FOR STRUCTURAL FILL THICKNESS, COMPACTION AND GEOTEXTILE FABRIC REQUIREMENTS UNDERNEATH FOOTINGS AS REQUIRED.	 11. HORIZONTAL JOINT REINFORCING SHALL BE A MINIMUM #9 GAUGE TRUSS-TYPE GALVANIZED REINFORCING 11. HORIZONTAL JOINT REINFORCING SHALL BE A MINIMUM #9 GAUGE TRUSS-TYPE GALVANIZED REINFORCING 	 8" o.c. UNO IN PLANS. FASTENING SHALL BE PLACED INTO EACH PLY. 11. EXTERIOR NON-LOAD BEARING INSULATION PANELS SUPPORTING SIDING SHALL BE FASTENED TO WALL STUDS PER SPECIFICATIONS. 	CODES AND STANDARDS: 1. 2015 INTERNATIONAL BUILDING CODE AMENDED I ENERGY CODE (MUREC)
_	SHEETING, TEMPORARY BRACING, GUYS OR TIEDOWNS TO COMPLETE THE PROJECT. SUCH MATERIAL SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER COMPLETION OF THE PROJECT. ANY FAILURE TO MAKE PROPER AND ADEQUATE PROVISIONS FOR STRESSES AND STABILITY OCCURRING FROM ANY CAUSE DURING CONSTRUCTION SUALL BE THE SOLE DISK AND DESPONSIBILITY OF THE CONTRACTOR	7. REFER TO THE GEOTECHNICAL REPORT FOR ALL EXCAVATION, BACKFILL, COMPACTION, CONSTRUCTION DEWATERING AND PERMANENT DRAINAGE REQUIREMENTS. COORDINATE INSTALLATION OF FOUNDATION DRAINS WITH STRUCTURAL ELEMENTS.	SPACED AT 16" o.c. CONFORMING TO ASTM A951. DISCONTINUE HORIZONTAL JOINT REINFORCING AT CONTRACTION JOINTS. 12. LAP SPLICE LENGTHS FOR REINFORCING BARS SHALL BE AS NOTED ON THE STRUCTURAL DRAWINGS, BUT	 WALL STUDS PER SPECIFICATIONS. 12. WOOD FRAMING CONNECTIONS NOT SPECIFICALLY DETAILED, FASTENING SHALL BE IN ACCORDANCE WITH 2015 IBC TABLE 2304.9.1. 	2. ASCE 7-10 "MINIMUM DESIGN LOADS FOR BUILDIN
м	10. ACAD OR BIM FILES WILL NOT BE MADE AVAILABLE TO THE BIDDER FOR ANY PURPOSE.	8. BOTTOM OF EXTERIOR FOUNDATIONS SHALL BE LOCATED A MINIMUM OF 5' - 0" BELOW FINISHED EXTERIOR GRADE FOR PROTECTION AGAINST FROST HEAVE, UNLESS OTHERWISE NOTED ON PLANS.	NO LESS THAN 48 BAR DIAMETERS. LAP SPLICE HORIZONTAL JOINT REINFORCEMENT 75 DIAMETERS OF SIDE ROD OR A MINIMUM OF 1' - 0".	13. NAIL SIZES INDICATED ON THE DRAWINGS ARE COMMON WIRE NAIL SIZES (AS DEFINED BY THE AF&PA), WITH THE FOLLOWING DIMENSIONS:	GEOTECHNICAL DESIGN CRITERIA: 1. FOUNDATION DESIGN IS BASED ON RECOMMEND GEOTECHNICAL ENGINEERING REPORT PROVIDE
IVI	11. ALL WORK IS TO BE COMPLETED IN ACCORDANCE WITH THE REFERENCED BUILDING CODE, WRITTEN SPECIFICATIONS, AND THESE DRAWINGS. ALL WORK SHALL BE PERFORMED BY PERSONS QUALIFIED IN THEIR TRADE AND LICENSED TO PRACTICE IN THE STATE WHERE THIS PROJECT IS LOCATED.	9. NO CONCRETE SLAB OR FOUNDATION SHALL BE PLACED IN WATER OR ON FROZEN GROUND. SOILS EXPOSED AT THE BASE OF EXCAVATIONS SHOULD BE ADEQUATELY PROTECTED AGAINST ANY DETRIMENTAL CHANGE IN CONDITION, SUCH AS DISTURBANCE FROM RAIN OR FROST. IF ANY FROZEN MATERIAL IS FOUND ADJACENT	CONTRACTION JOINTS PASS THROUGH BOND BEAMS, REINFORCING SHALL BE CONTINUOUS. RAKE JOINT IN BOND BEAM AND SEAL BOTH SIDES.	 A. 6d: 0.113" DIAMETER SHANK, 0.266" DIAMETER HEAD, 2" LONG B. 8d: 0.131" DIAMETER SHANK, 0.281" DIAMETER HEAD, 2 1/2" LONG C. 10d: 0.148" DIAMETER SHANK, 0.312" DIAMETER HEAD, 3" LONG D. 12d: 0.148" DIAMETER SHANK, 0.312" DIAMETER HEAD, 3 1/4" LONG 	PROJECT NO. 21-1832.1 S, DATED FEBRUARY, 16 2 IF UNSUITABLE MATERIALS ARE ENCOUNTERED E AFFECTED AREA OF WORK.
_	12. CONTRACTOR TO ADHERE TO ALL APPLICABLE FEDERAL, STATE AND MUNICIPAL LAWS, REGULATIONS AND ORDINANCES, INCLUDING THE FEDERAL DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA).	OR BELOW THE CONCRETE SLAB OR FOUNDATION, IT SHALL BE REMOVED AND REPLACED WITH COMPACTED STRUCTURAL FILL OR LEAN CONCRETE. SURFACE RUNOFF SHOULD BE DRAINED WAY FROM THE EXCAVATIONS AND NOT BE ALLOWED TO POND. GROUNDWATER SHOULD BE ANTICIPATED FOR EXCAVATIONS AND APPROPRIATE DEWATERING MEASURES SHALL BE EMPLOYED	 MASONRY LINTELS TO BE PROVIDED ABOVE ALL WALL OPENINGS AS SHOWN IN THE CMU LINTEL SCHEDULE. 16" DEEP LINTELS SHALL BE CONSTRUCTED USING SINGLE LINTEL BLOCKS. CORED PENETRATIONS THROUGH MASONRY LINTELS ARE NOT ALLOWED. 	 E. 16d: 0.162" DIAMETER SHANK, 0.344" DIAMETER HEAD, 3 1/2" LONG 14. STRUCTURAL STEEL PLATE CONNECTORS SHALL CONFORM TO ASTM A36 SPECIFICATIONS AND BE 1/4" THICK UNLESS OTHERWISE INDICATED. BOLTS CONNECTING WOOD MEMBERS SHALL BE PER ASTM 	 FOUNDATION DESIGN BEARING CAPACITY IS BAS ALLOWABLE NET SOIL BEARING PRESSURES: A. COLUMN FOOTINGS:
	SUBMITTAL NOTES:	10. ALL FOUNDATION WALLS AND PIERS SHALL BE CENTERED OVER FOOTINGS, UNLESS DETAILED OTHERWISE.	 15. PROVIDE A MINIMUM #5 VERTICAL BAR IN FULLY GROUTED CELLS AT EACH SIDE OF WALL OPENINGS, WALL CORNERS AND WALL ENDS, U.N.O. 16. DEINEORCED MASONRY BOND REAMS TO BE DROVIDED AS NOTED ON THE STRUCTURAL DRAWINGS. BOND 	A307 AND BE 3/4" DIAMETER UNLESS OTHERWISE INDICATED. PROVIDE WASHERS FOR ALL BOLT HEADS AND NUTS IN CONTACT WITH WOOD SURFACES.	 B. CONTINUOUS WALL FOOTINGS: 3. LATERAL EARTH PRESSURE DESIGN CRITERIA FO ACTIVE COEFFICIENT Ka:
L	 IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL CONTRACT DOCUMENTS, INCLUDING ANY ADDENDA ITEMS, TO DISTRIBUTE TO ALL SUBCONTRACTORS PRIOR TO THE SUBMITTAL OF SHOP DRAWINGS. THE CONTRACTOR SHALL SUBMIT COMPLETE SHOP DRAWINGS FOR ALL PARTS OF THE WORK. THE SHOP 	SYMMETRICAL LOADING BE MAINTAINED ON ALL SIDES. EXTEND AND SLOPE SIDES OF EXCAVATION TO ENSURE STABILITY AND SAFETY AT ALL TIMES. WHERE DESIGN CONDITIONS REQUIRE UNEVEN BACK FILL HEIGHTS ON EITHER SIDE OF THE WALL, SHORING SHALL BE PROVIDED AND SHORES SHALL REMAIN UNTIL	BEAMS SHALL BE CONTINUOUS TO THE GREATEST EXTENT POSSIBLE. CORED PENETRATIONS THROUGH BOND BEAMS ARE NOT ACCEPTABLE.	BOLT DIAMETER. BOLTED CONNECTIONS SHALL BE SNUGGED TIGHT BUT NOT TO THE EXTENT OF CRUSHING WOOD UNDER WASHERS.	B. PASSIVE COEFFICIENT, Ka: C. AT-REST COEFFICIENT, Ko: D. UNIT WEIGHT OF BACKFILL:
_	DRAWINGS SHALL BE PREPARED IN ACCORDANCE WITH THE RESPECTIVE TRADE'S CODES OF STANDARD PRACTICE IN EFFECT FOR THIS PROJECT. THE CONTRACTOR SHALL REVIEW AND APPROVE ALL SHOP DRAWING SUBMITTALS PRIOR TO FORWARDING TO THE ARCHITECT/ENGINEER (A/E). ALL COPIES OF SHOP	PERMANENT STRUCTURE IS IN PLACE. PROVIDE SHORING OR SHEETING IN ACCORDANCE WITH OSHA REQUIREMENTS. BRACED EXCAVATIONS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE WHERE THIS PROJECT IS LOCATED.	 REINFORCING DOWELS AT BASE OF CMU WALLS SHALL BE FIELD DRILLED INTO CONCRETE AS INDICATED ON THE STRUCTURAL DRAWINGS. GROUT SHALL BE PLACED USING HIGH OR LOW LIFT GROUTING PROCEDURE PER ACI RECOMMENDATIONS. 	GALVANIZED STEEL CONNECTORS AS MANUFACTURED BY SIMPSON STRONG-TIE (OR AN APPROVED EQUIVALENT).	 4. SEISMIC DESIGN SITE CLASSIFICATION:
	THE SHOP DRAWINGS SHALL BEAR A STAMP FROM THE CONTRACTOR VERIFYING THEY HAVE REVIEWED AND APPROVED THE SHOP DRAWINGS FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS. SHOP DRAWINGS NOT BEARING THE CONTRACTOR'S APPROVAL STAMP WILL NOT BE REVIEWED AND SHALL BE RETURNED "NOT REVIEWED". NO PERFORMANCE OF THE WORK INCLUDING, BUT NOT LIMITED TO, DEMOLITION OF EXISTING STRUCTURE, OR	 12. EXCAVATIONS FOR NEW FOUNDATIONS SHALL NOT UNDERMINE EXISTING FOUNDATIONS OR ANY ADJACENT STRUCTURES, UNLESS SPECIFICALLY DETAILED IN THE STRUCTURAL CONTRACT DOCUMENTS. 13. ELEVATED ELOOP SLABS AND SLABS ON GRADE PROVIDING TOP AND BOTTOM SUPPORT FOR CONCRETE 	19. TOP OF ALL CMU WALLS SHALL BE BRACED TO THE STRUCTURE ABOVE, UNLESS NOTED OTHERWISE. SEE STRUCTURAL DRAWINGS FOR TYPICAL ATTACHMENT DETAILS.	17. CONNECTORS AND FASTENERS EXPOSED TO THE WEATHER AND/OR IN CONTACT WITH PRESERVATIVE TREATED LUMBER SHALL BE STAINLESS STEEL. IF ALTERNATE COATINGS ARE PROPOSED BY THE CONTRACTOR OR FASTENER MANUFACTURER, SUBMIT PRODUCT DATA FOR REVIEW PRIOR TO PURCHASE. FASTENERS SHALL MATCH THE TYPE OF CONNECTOR BEING USED.	DESIGN LOADS:
к	FABRICATION OR ERECTION OF NEW STRUCTURAL ELEMENTS, SHALL COMMENCE WITHOUT REVIEW OF THE SHOP DRAWINGS BY THE A/E. 3. SUBMITTALS SHALL INCLUDE THE DATE AND ISSUE DESCRIPTION OF THE ARCHITECTURAL AND STRUCTURAL	WALLS RETAINING EARTH, SHALL BE IN PLACE AND HAVE REACHED 70% OF THEIR REQUIRED 28 DAY COMPRESSIVE STRENGTH BEFORE ANY BACKFILLING OPERATIONS BEGIN. IF THE CONTRACTOR CHOOSES TO BACKFILL WALLS PRIOR TO THE INSTALLATION OF THE SLABS, WALL SUPPORT BRACING SHALL BE	20. MASONRY CONTRACTOR SHALL PROVIDE FOR, AND COORDINATE WITH OTHER TRADES, ALL EMBEDDED ITEMS AND OPENINGS IN MASONRY WALLS.	18. WHEN PANELIZED WALL CONSTRUCTION IS UTILIZED, THE VERTICAL JOINT BETWEEN WALL PANELS SHALL BE FASTENED TOGETHER WITH 2 ROWS OF 10d NAILS SPACED AT 8" o.c. AT SHEARWALLS, PANEL SHEATHING SHALL OVERLAP BETWEEN PANELS AND BE FASTENED PER SHEARWALL	FIXTURES CONSIDERED PERMANENT, AS PROVID TIME OF THE ISSUANCE OF THESE DRAWINGS.
_	REFERENCE DRAWINGS USED TO PREPARE THEM. SUBMITTALS NOT PREPARED ACCORDING TO THE LATEST ISSUE OF THE CONTRACT DOCUMENTS, OR NOT INDICATING THE REFERENCE DRAWINGS DATE AND ISSUE DESCRIPTION, WILL BE RETURNED "NOT REVIEWED". CONTRACT DRAWINGS SHALL NOT BE REPRODUCED, IN WHOLE OR IN PART, BY THE CONTRACTORS OR THEIR AGENTS FOR THE PREPARATION AND DEVELOPMENT OF	 PROVIDED AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, MATERIAL AND LABOR OF SUCH INSTALLATION. 14. CONCRETE WALLS RETAINING EARTH MUST HAVE REACHED 100% OF THEIR REQUIRED 28 DAY COMPRESSIVE 	21. ALL REINFORCED MASONRY CONSTRUCTION SHALL BE INSPECTED BY THE STRUCTURAL INSPECTOR, U.N.O.	FASTENING.	A. PUBLIC AREAS B. ROOF:
	 4. CONTRACTOR SHALL ISSUE A SUBMITTAL SCHEDULE AT LEAST 30 DAYS PRIOR TO RECEIPT OF THE FIRST 	STRENGTH BEFORE BACKFILLING OPERATIONS BEGIN. 15. SEE CONTRACT DRAWINGS AND SPECIFICAITONS FOR CONTINUOUS VAPOR BARRIER UNDER INTERIOR SLABS-ON-GRADE	STRUCTURAL STEEL NOTES: 1. REFER TO SPECIFICATION SECTION 051200, STRUCTURAL STEEL FRAMING, FOR SPECIFIC INFORMATION RELATED TO STRUCTURAL STEEL.	PRE-ENGINEERED WOOD TRUSS NOTES: 1. REFER TO SPECIFICATION SECTION 061753, SHOP-FABRICATED WOOD TRUSSES, FOR SPECIFIC	 3. SNOW LOADS: A. GROUND SNOW LOAD, Pg: B. TERRAIN CATEGORY: C. RISK CATEGORY:
L	A/E FOR THEIR REVIEW. FAILURE TO SUBMIT THIS SCHEDULE OR TO ISSUE SUBMITTAL ON THE DATES SPECIFIED, MAY IMPACT THE DURATION OF A/E REVIEW.	16. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR PERIMETER FOUNDATION INSULATION AND THERMAL BREAKS.	 STRUCTURAL STEEL DESIGN, DETAIL, FABRICATION AND ERECTION SHALL CONFORM TO ANSI/AISC 360 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS", AND TO AISC "STEEL CONSTRUCTION MANUAL", 13TH EDITION 	INFORMATION RELATED TO PRE-ENGINEERED WOOD TRUSSES. 2. PRE-ENGINEERED METAL PLATE CONNECTED WOOD TRUSS DESIGN, FABRICATION, AND ERECTION SHALL BE IN CONFORMANCE WITH WOOD TRUSS COUNCIL OF AMERICA (WTCA), TRUSS PLATE	D. IMPORTANCE FACTOR, Is: E. EXPOSURE FACTOR, Ce: F. THERMAL FACTOR, Ct: a. DUGOUT
	5. THE CONTRACTOR SHALL SUBMIT ONE ELECTRONIC (PDF) COPY OF ALL SUBMITTALS TO THE ARCHITECT FOR A/E REVIEW. COPIES SHALL BE CLEAR AND LEGIBLE. THE ELECTRONIC COPY WILL BE MARKED UP AND RETURNED FOR DISTRIBUTION. REFER TO THE PROJECT DRAWINGS AND SPECIFICATIONS FOR SUBMITTALS REQUIRED.	CAST-IN-PLACE CONCRETE NOTES:	 STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING, UNLESS NOTED OTHERWISE: A. WIDE FLANGE SHAPES: ASTM A992 	INSTITUTE (TPI) SPECIFICATIONS AND RECOMMENDATIONS, AND THE PROVISIONS OF THE "NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION (NDS)".	b. BATTING PAVILLION G. FLAT ROOF SNOW LOAD, Pf: a. DUGOUT b. BATTING PAVILLION
н	6. THE CONTRACTOR SHALL NOT BE RELIEVED OF ANY RESPONSIBILITY FOR ANY DEVIATION FROM THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AS A RESULT OF THE REVIEW OF THE SUBMITTALS UNLESS THE CONTRACTOR HAS SPECIFICALLY NOTIFIED THE A/E IN WRITING OF THE DEVIATION AND THE A/E HAS PROVIDED WRITTEN ACCEPTANCE OF THE DEVIATION. THE CONTRACTOR IS REQUIRED TO CLEARLY IDENTIFY ANY DEVIATIONS FROM THE CONTRACT DOCUMENTS AND INCLUDE REASON FOR DEVIATION WITHIN THE	 CONCRETE WORK SHALL COMPLY WITH THE LATEST EDITION OF ACT301, STANDARD SPECIFICATION FOR STRUCTURAL CONCRETE IN BUILDINGS," AND ACI 318, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE." HOT AND COLD WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 305R AND 306R, RESPECTIVELY. ALL STRUCTURAL CONCRETE IS CONTROLLED AND SHALL BE USED, PROPORTIONED, MIXED AND PLACED 	B.PLATES, ANGLES AND CHANNEL SHAPES:ASTM A36C.HSS SQUARE AND RECTANGULAR SHAPES:ASTM 500, GRADE C (Fy=50 KSI)D.HSS ROUND SHAPES:ASTM 500, GRADE C (Fy=46 KSI)E.STRUCTURAL PIPE:ASTM A53, GRADE B (Fy=35 KSI)F.ANCHOR RODS:ASTM F1554, GRADE 36C.THREADED RODS:ASTM A36	 4. WOOD TRUSS MANUFACTURER SHALL HAVE NOT LESS THAN FIVE (5) YEARS OF SATISFACTORY EXPERIENCE IN DESIGNING AND FABRICATING WOOD TRUSS SYSTEMS EQUAL IN MATERIAL, DESIGN AND EXTENT TO THE SYSTEMS REQUIRED FOR THIS PROJECT. 	 UNBALANCED, DRIFTING AND SLIDING SNOW IN A 4. WIND LOADS: A. ULTIMATE WIND SPEED (3-SEC GUST), Vult
	 MATERIALS REQUIRED BY THE CONTRACT DOCUMENTS AND INCLUDE REASON FOR DEVIATION WITHIN THE SUBMITTAL. MATERIALS REQUIRED BY THE CONTRACT DOCUMENTS AND OMITTED FROM THE SHOP DRAWINGS SHALL NOT RELIEVE THE CONTRACTOR FROM FURNISHING THESE MATERIALS REGARDLESS OF WHETHER THE SUBMITTALS HAVE BEEN REVIEWED. 	 UNDER THE SUPERVISION OF THE STRUCTURAL INSPECTOR AS A PART OF THE SPECIAL INSPECTIONS REQUIREMENTS FOR THE PROJECT. ALL CONCRETE WORK SHALL BE PERFORMED TO ENSURE HOMOGENOUS CONCRETE THROUGHOUT THE PROJECT. CONCRETE SHALL ATTAIN THE REQUIRED STRENGTH, DURABILITY AND WEATHERING RESISTANCE WITHOUT PLANES OF WEAKNESS OR OTHER STRUCTURAL DEFECTS. CONCRETE SHALL BE 	 THE FABRICATOR IS RESPONSIBLE FOR ALL CONNECTION DESIGN WHICH HAS NOT BEEN DETAILED ON THE STRUCTURAL DRAWINGS. SUPPORTING CALCULATIONS FOR ALL CONNECTIONS, SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE WHERE THIS PROJECT IS LOCATED, SHALL BE SUBMITTED WITH THE SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. 	5. WOOD TRUSSES SHALL BE FABRICATED IN A PROPERLY EQUIPPED MANUFACTURING FACILITY OF A PERMANENT NATURE. TRUSSES SHALL BE MANUFACTURED BY EXPERIENCED WORKMEN, USING PRECISION CUTTING, JIGGING AND PRESSING EQUIPMENT UNDER THE QUALITY CONTROL STANDARDS REQUIREMENTS OF THE TRUSS PLATE INSTITUTE (TPI).	 B. NOMINAL WIND SPEED (3-SEC GUST), Vnoi C. RISK CATEGORY: D. EXPOSURE CATEGORY: E. INTERNAL PRESSURE COEFFICIENT, GCpi: a. DUGOUT b. BATTING PAVILLION
	8. THE CONTRACTOR SHALL NOT BE RELIEVED FROM RESPONSIBILITY FOR ERRORS OR OMISSIONS IN ANY SUBMITTAL BY A/E REVIEW THEREOF.	FREE OF PRONOUNCED HONEYCOMBS, AIR POCKETS, VOIDS, PROJECTIONS OR OTHER DEFACEMENTS ON EXPOSED SURFACES.	5. SHOP AND FIELD CONNECTIONS SHALL BE BOLTED USING ASTM A325 OR A490 HIGH STRENGTH BOLTS OR WELDED USING E70XX ELECTRODES CONFORMING TO AWS REQUIREMENTS.	6. DURING THE ERECTION PROCESS, TEMPORARY LATERAL BRACING OF THE TOP AND BOTTOM CHORDS AND WEB MEMBERS SHALL BE INSTALLED PER WTCA/TPI "BUILDING COMPONENT SAFETY INFORMATION" GUIDELINES. ALL LATERAL BRACING INSTALLED DURING THE ERECTION PROCESS SHALL REMAIN IN PLACE, AND BE MADE A PART OF THE PERMANENT BRACING SYSTEM UNLESS IT	COMPONENTS & CLADDING LOADS IN ACCORDAN
G	 9. RE-SUBMITTED SHOP DRAWINGS WILL NOT BE REVIEWED UNLESS ANY AND ALL REVISIONS ARE CLOUDED. ONLY CLOUDED ITEMS WILL BE REVIEWED. 10. THE FOLLOWING SHALL BE DESIGNED BY A SPECIALTY ENGINEER NOT UNDER THE SUPERVISION OF THE SER 	 REFER TO SPECIFICATION SECTION 031000, CONCRETE FORMWORK, FOR FORM MATERIAL INFORMATION AND REMOVAL REQUIREMENTS. REFER TO SPECIFICATION SECTION 033000, CAST-IN-PLACE CONCRETE, FOR CONCRETE MATERIAL 	6. FIELD CUTTING OR ANY FIELD MODIFICATIONS TO STRUCTURAL STEEL SHALL NOT BE MADE WITHOUT PRIOR WRITTEN DIRECTION BY A/E FOR EACH SPECIFIC CASE. TORCH CUTTING SHALL NOT BE ALLOWED IN THE FIELD. FIELD CUTS SHALL BE GROUND SMOOTH.	 INTERFERES WITH PROPER INSTALLATION OF PERMANENT BRACING OR OTHER COMPONENTS. ALL PERMANENT LATERAL BRACING OF TRUSS MEMBERS SHALL BE DESIGNED AND DETAILED BY 	A. RISK CATEGORY: B. IMPORTANCE FACTOR, le: C. MAPPED SPECTRAL RESPONSE ACCELER
_	AND SUBMITTED FOR REVIEW. SUBMITTAL DRAWINGS AND CALCULATIONS SHALL BE STAMPED BY A ENGINEER LICENSED IN THE STATE THE PROJECT IS LOCATED. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION: A. COLD-FORMED STEEL FRAMING	 INFORMATION, CONCRETE MIX PROPORTIONING REQUIREMENTS, AND CURING PROCEDURES. PROPORTION CONCRETE MIX TO PROVIDE WORKABILITY AND CONSISTENCY TO PERMIT CONCRETE TO BE WORKED READILY INTO THE FORMS AND AROUND REINFORCEMENT BY THE METHODS OF PLACEMENT AND CONSILIDATION TO BE EMPLOYED, WITHOUT SEGREGATION OR EXCESSIVE BLEEDING. 	 ALL STEEL MEMBERS MUST BE CUT FROM FULL LENGTH STOCK. UNAUTHORIZED SPLICES WILL BE CAUSE FOR REJECTION. WHERE BEAMS BEAR ON MASONRY OR CONCRETE, PROVIDE MINIMUM 1/2" THICK STEEL BEARING PLATES WITH (2) 1/2" DIA x 4" UNIS JUNESS OT USED WISS NOTED ON THE STRUCTURAL DRAWINGS 	 8. TRUSS BRACING (STRONG-BACKS, VERTICAL X-BRACING, ETC) SHOWN ON THE STRUCTURAL DRACING STALLED IN ADDITION TO THE ERECTION BRACING OR INDIVIDUAL TRUSS MARKED BRACING THAT IS REQUIRED BY THE WOOD TRUSS DESIGNER/MANUEACTURER OR BY 	a. Ss: b. S1: D. SITE CLASS: E. SPECTRAL RESPONSE COEFFICIENTS: a. Sds: b. Sd1:
	 B. CURTAIN WALL GLAZING SYSTEMS C. PRE-FABRICATED WOOD OR STEEL TRUSSES D. METAL, CONCRETE, OR WOOD STAIRS AND RAILINGS, U.N.O. F. STRUCTURAL STEEL CONNECTIONS NOT FULLY DETAILED ON DRAWINGS 	7. NOTIFY THE ARCHITECT/ENGINEER AND STRUCTURAL INSPECTOR AT LEAST 48 HOURS IN ADVANCE OF PLACING CONCRETE FOR INSPECTION OF THE REINFORCING STEEL. DO NOT CAST CONCRETE UNTIL THE INSPECTION HAS BEEN MADE OR WAIVED.	 PROVIDE ALL MISCELLANEOUS STEEL ANGLES, PLATES, ANCHORS, BOLTS, ETC., AS SHOWN ON ARCHITECTURAL DRAWINGS FOR SUPPORT OF BLOCKING, PARAPETS, FINISHES, ETC. COORDINATE WITH 	 WTCA/TPI GUIDELINES. ALL WOOD MATERIAL SHALL BE A MINIMUM GRADE OF SOUTHERN PINE #2 OR SPRUCE-PINE-FIR #1/# KILN DRIED OR SEASONED TO 10% MAXIMUM MOISTURE CONTENT. 	F. SEISMIC DESIGN CATEGORY: G. BASIC SEISMIC FORCE RESISTING SYSTEM a. STEEL SYSTEMS NOT SPECIFICALI
F	 F. TEMPORARY SHORING AND JACKING SYSTEMS G. CONSTRUCTION METHODS AND SEQUENCING, WHERE APPLICABLE H. OTHER SYSTEMS AS NOTED IN THE PROJECT SPECIFICATIONS. 	8. ALL STRUCTURAL CONCRETE SHALL BE FORMED WITH APPROVED FORMWORK MATERIALS. EARTH FORMING IS NOT PERMITTED, U.N.O.	 THE MISCELLANEOUS METAL FABRICATOR TO ENSURE COMPLETE COVERAGE OF ALL ITEMS. SIMPLE SPAN BEAMS WITHOUT SPECIFIED "CAMBERS" SHALL BE FABRICATED SUCH THAT, AFTER ERECTION, ANY MINOR CAMBER DUE TO ROLLING OR SHOP ASSEMBLY SHALL BE UPWARD. 	 2, KILN-DRIED OR SEASONED TO 19% MAXIMUM MOISTORE CONTENT. 10. CONNECTOR PLATES SHALL NOT BE LESS THAN 0.0356 INCHES (20 GAUGE), SHALL MEET OR EXCEED ASTM A653 GRADE 7 AND SHALL BE HOT-DIPPED GALVANIZED ACCORDING TO ASTM A653, COATING 	 H. RESPONSE MODIFICATION FACTOR, R: I. SEISMIC RESPONSE COEFFICIENT, Cs: J. DESIGN BASE SHEAR: K. ANALYSIS PROCEDURE:
_	REINFORCING STEEL NOTES:	 9. CONCRETE MIX DURATION TIMES SHALL BE LIMITED TO LESS THAN 90 MINUTES, WITHOUT EXCEPTION. 10. ALL SHORING SHALL REMAIN IN PLACE UNTIL CONCRETE HAS ATTAINED 70% OF ITS 28 DAY STRENGTH. 	11. ALL NEW STRUCTURAL STEEL SHALL BE SHOP PRIMED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, UNLESS NOTED OTHERWISE. OMIT SHOP PRIMER FROM ALL CONNECTIONS TO BE FIELD WELDED. TOUCH-UP ALL SHOP PRIMED COATS DAMAGED DURING TRANSPORTATION AND ERECTION.	DESIGNATION G60. DESIGN VALUES SHALL BE DETERMINED IN ACCORDANCE WITH THE "DESIGN SPECIFICATIONS FOR METAL PLATE CONNECTED WOOD TRUSSES (ANSI/TPI 1)". 11. ALL TEMPORARY AND PERMANENT BRACING SHALL BE MINIMUM 2x4 SPRUCE-PINE-FIR #1/#2	a. EQUIVALENT LATERAL FORCE PRO
	1. ALL REINFORCING BAR DETAILING AND PLACING SHALL CONFORM TO THE ACI 315, "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" AND ACI 315R "MANUAL OF ENGINEERING AND PLACING DRAWINGS FOR REINFORCED CONCRETE STRUCTURES." DO NOT BEND BARS IN THE FIELD:	 PROVIDE 3/4" CHAMFER AT ALL EXPOSED CORNERS OF CONCRETE UNLESS NOTED OTHERWISE. CONCRETE WALL CONTRACTION JOINTS TO BE SPACED AT A MAXIMUM OF 20 FT ALONG A CONTINUOUS STRAIGHT WALL AND 20 FT FROM CORNERS . JOINTS SHALL ALSO ALLICN WITH THE BRICK VENEED. 	 AND PRIME ALL FIELD WELDS, USING THE SAME PAINT USED FOR SHOP PRIMING. 12. ALL STRUCTURAL STEEL EXPOSED TO WEATHER SHALL BE HOT-DIPPED GALVANIZED PER ASTM A123 SPECIFICATION HSS STRUCTURAL SECTIONS TO BE HOT DIPPED CALVANIZED SHALL HAVE A 1" DIAMETER 	MATERIAL CONNECTED WITH MINIMUM TWO 16d NAILS, U.N.O. ON DRAWINGS. 12. INSTALL 2x6 STRONG-BACKS AT ALL FLOOR TRUSSES AT 10' - 0" o.c. MAXIMUM.	
E	 2. REFER TO SPECIFICATION SECTION 032000, CONCRETE REINFORCEMENT, FOR SHOP DRAWING 	CONTROL JOINTS, NO EXCEPTION CORNERS. JOINTS SHALL ALSO ALLIGN WITH THE BRICK VENEER CONTROL JOINTS, NO EXCEPTIONS. WALL CONSTRUCTION JOINTS SHALL BE KEYED AND SPACED AT 60 FT o.c. MAXIMUM. REFER TO TYPICAL WALL JOINT DETAILS FOR ADDITIONAL INFORMATION.	 13. PROVIDE TEMPORARY ERECTION BRACING TO RESIST ALL LATERAL LOADS AND HOLD STRUCTURAL STEEL 	13. TRUSSES SHALL BE PROPERLY HANDLED DURING FABRICATION, DELIVERY, AND AT THE JOB SITE TO AVOID EXCESSIVE LATERAL BENDING. TRUSSES SHALL BE ERECTED LEVEL AND PLUMB, AND IN CORRECT LOCATION. TRUSSES SHALL ALIGN WITH WALL STUDS. CUTTING OR ALTERING TRUSSES IS NOT REPAILTED. ANY DAMAGE TO TRUSSES SHALL BE PROVIDED TO THE IMMEDIATE ATTENTION OF	
_	 3. REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60. WHERE WELDING OF DEFORMED BARS TO STRUCTURAL STEEL IS SHOWN, PROVIDE ASTM A706 GRADE 60 AND COMPLETE WELDING IN ACCORDANCE 	 CONCRETE PIERS, BEAMS, SLABS AND WALLS (EXCEPT SHAFT/SHEAR WALLS) SHALL BE PLACED WITHOUT HORIZONTAL CONSTRUCTION JOINTS. SLAB-ON-GRADE CONTRACTION JOINTS TO BE SAWCUT AS SOON AS THE CONCRETE HARDENS BETWEEN 4 	SECURELY IN POSITION UNTIL ALL PERMANENT BRACING HAS BEEN INSTALLED AND CONSTRUCTION TOLERANCES HAVE BEEN ACHIEVED. COMPLY WITH ALL GOVERNING OSHA ERECTION SAFETY REQUIREMENTS.	 14. WOOD TRUSS DESIGNER IS RESPONSIBLE FOR DESIGNING AND DETAILING ALL TRUSS MEMBER-TO- 	0 ISSUE REV.
	 WITH AWS D1.4. 4. REINFORCING STEEL SHALL BE SUPPORTED AND SECURED AGAINST DISPLACEMENT IN ACCORDANCE WITH THE CONCRETE REINFORCING STEEL INSTITUTE'S "MANUAL OF STANDARD PRACTICE". "WET-SETTING" OR 	HRS TO 12 HRS FROM FINAL FINISH. SAWCUTTING OPERATION IS TO BE COMPLETE BEFORE ANY SHRINKAGE CRACKING TAKE EFFECT. 15 SLAB THICKNESSES INDICATED ON THE STRUCTURAL DRAWINGS ARE TO BE CONSIDERED MINIMUMS	 14. DURING ALL WELDING, BURNING AND ASSOCIATED GRINDING OPERATIONS, ONE OR MORE PERSONS SHALL BE DESIGNATED AS A FIRE WATCH. THE FOLLOWING WILL BE ADHERED TO: A. PERSONS ASSIGNED AS A FIRE WATCH SHALL BE TRAINED AND HAVE ADEQUATE SKILLS AND 	MEMBER CONNECTIONS. 15. WOOD TRUSSES SHALL BE DESIGNED FOR THE REQUIREMENTS LISTED ON THE STRUCTURAL DRAWINGS. TRUSS MANUFACTURER SHALL ACCOMMODATE LOADS FROM MECHANICAL UNITS,	
D	"WET-STICKING" REINFORCING INTO GREEN CONCRETE IS NOT ACCEPTABLE. SLAB BOLSTERS, HIGH CHAIRS AND STANDEES SHALL BE SPACED AT A MAXIMUM OF 48" o.c., UNLESS NOTED OTHERWISE ON PLANS.	PROVIDE SUFFICIENT CONCRETE TO ACCOUNT FOR VERTICAL DEFLECTIONS, SUBGRADE FLUCTUATIONS AND TO OBTAIN THE SPECIFIED SLAB ELEVATION INDICATED.	 KNOWLEDGE TO RECOGNIZE POTENTIAL HAZARDS, UTILIZE EQUIPMENT AND INITIATE EMERGENCY RESPONSE. B. NO OTHER DUTIES SHALL BE ASSIGNED TO FIRE WATCH DURING WELDING OR BURNING 	PERSONNEL RESTRAINT ANCHORS, CUPOLAS, SOLAR PANELS AND OVERBUILD TRUSS/RAFTER FRAMING AREAS SHOWN ON STRUCTURAL, ARCHITECTURAL AND MECHANICAL DRAWINGS.	
_ <u>_</u>	 6. NOTIFY THE ARCHITECT/ENGINEER OR STRUCTURAL INSPECTOR AT LEAST 48 HOURS IN ADVANCE OF BUTTER ARCHITECT/ENGINEER OF STRUCTURAL INSPECTOR AT LEAST 48 HOURS IN ADVANCE OF 	AND FROST WALLS. ABOVE GROUND CONCRETE <u>NOT</u> EXPOSED TO PUBLIC VIEW SHALL HAVE AN "SF-2.0" SURFACE FINISH. ABOVE GROUND CONCRETE EXPOSED TO VIEW SHALL HAVE AN "SF-3.0" SURFACE FINISH, UNLESS OTHERWISE NOTED.	 C. FIRE WATCH SHALL HAVE USEABLE FIREFIGHTING EQUIPMENT AVAILABLE FOR USE. D. FIRE WATCH SHALL MAINTAIN CONTINUOUS SURVEILLANCE WITH A PORTABLE GAS DETECTOR DURING WELDING/BURNING OPERATIONS. 	 17. ROOF TRUSS LIVE LOAD DEFLECTION SHALL NOT EXCEED L/360 TO A MAXIMUM OF 3/4". TOTAL LOAD 17. ROOF TRUSS LIVE LOAD DEFLECTION SHALL NOT EXCEED L/360 TO A MAXIMUM OF 3/4". TOTAL LOAD 	
UCT R21.	 7. PROVIDE FOOTING DOWELS FOR VERTICAL WALL REINFORCEMENT. DOWELS SHALL BE THE SAME SIZE AND 	17. <u>FINISHING OF CONCRETE SLAB-ON-GRADE</u> : TROWEL FINISH AFTER SCREEDING AND FLOATING OPERATIONS HAVE BEEN COMPLETED AND PROVIDE FLOOR FLATNESS TOLERANCES SPECIFIED IN SPECIFICATION SECTION 033000. FOR RAMPS AND STEPS, PROVIDE A BROOM FINISH.	E. FIRE WATCH SHALL REMAIN ON DUTY FOR AT LEAST 2 HOURS AFTER WELDING OR BURNING OPERATIONS HAVE CEASED.	 DEFLECTION SHALL NOT EXCEED L/240 TO A MAXIMUM OF T. 18. DESIGN AND CONSTRUCT GABLE END TRUSSES WITH VERTICAL WEBS MEMBERS HAVING ADEQUATE SECTION PROPERTIES TO RESIST OUT-OF-PLANE WIND LOADS. MAXIMUM WEB MEMBER 	
	SPACING AS THE VERTICAL WALL REINFORCEMENT, UNLESS NOTED OTHERWISE, WITH LAP SPLICES AS INDICATED ON THE APPLICABLE SECTIONS. INSTALL DOWELS IN THE FOOTING FORMS BEFORE CONCRETE IS PLACED, SUPPORTING AND TYING THEM SECURLY IN POSITION.	18. <u>CURING OF SLABS</u> : CURE SLABS WITH CURING COMPOUND OR MOISTURE RETENTION COVERS AS INDICATED IN SPECIFICATION SECTION 033000.	 WOOD SHEATHING NOTES: 1. REFER TO SPECIFICATION SECTION 061600, SHEATHING, FOR SPECIFIC INFORMATION RELATED TO APA-RATED SHEATHING PANELS. 	DEFLECTION SHALL BE L/240 UNDER WIND LOAD, UNLESS MORE STRINGENT REQUIREMENTS ARE SPECIFIED FOR THE WALL FINISH SYSTEMS USED. GABLE END ROOF TRUSSES THAT ARE ADJACENT TO CATHEDRAL OR SLOPED CEILING SHALL BE DESIGNED AND FRAMED SUCH THAT THE TRUSS BOTTOM CHORD ALIGNS WITH THE CEILING.	
SOFT BA	8. DO NOT CUT OR DISPLACE ANY REINFORCING STEEL TO ACCOMMODATE THE INSTALLATION OF ANY EMBEDDED ITEMS WITHOUT THE EXPRESS WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER. COORDINATE THE INSTALLATION OF EMBEDED ITEMS INTO THE CONCRETE WITH THE PLACING OF THE REINFORCING STEEL TO ENSURE THAT ALL BARS ARE IN THEIR PROPER POSITION AND ARE NOT OUT OF PLACED BY THE	19. ALL HORIZONTAL INTERIOR CONCRETE SURFACES THAT DO NOT RECEIVE A FINISHED FLOOR MATERIAL SHALL RECEIVE A PENETRATING LIQUID FLOOR TREATMENT PER SPECIFICATION SECTION 033000.	2. PLYWOOD CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE AMERICAN PLYWOOD ASSOCIATION (APA) SPECIFICATIONS.	19. ALL FABRICATED TRUSSES SHALL RECEIVE THE TPI MARK OF APPROVAL IN ACCORDANCE WITH THE TRUSS PLATE INSTITUTE PROCEDURES.	
80x42 5 - UM ATH -	 9. USE SLEEVES TO ACCOMMODATE PIPING WHICH MUST PASS THROUGH STRUCTURAL CONCRETE. SUBMIT LAYOUT OF SLEEVES TO ARCHITECT/ENGINEER FOR APPROVAL PRIOR TO CASTING CONCRETE. ALL SLEEVES SHALL BE STEEL CAST IRON PIPE OR PVC PIPE 	20. ALL HORIZONTAL EXTERIOR CONCRETE SURFACES EXPOSED TO DE-ICING CHEMICALS, SUCH AS SIDEWALKS AND APRONS, SHALL RECIEVE A BROOM FINISH AND A LIQUID PENETRATING SEALER PER SPECIFICATION SECTION 033000.	3. ROOF PANEL SHEATHING, IF NOT NOTED ON STRUCTURAL PLANS, SHALL BE A MINIMUM 3/4" (NOMINAL) THICK, 48" x 96" SIZED SHEETS, NIST/DOC PS-1 OR PS-2, EXPOSURE 1 APA RATED SHEATHING WITH SQUARE EDGES. SUITABLE EDGE SUPPORT SHALL BE PROVIDED BY USE OF CLIPS OR BLOCKING BETWEEN FRAMING. STAGGER END JOINTS AND FASTEN ROOF SHEATHING WITH 8d COMMON NAILS AT 6" o c. PERIMETER, 6" o c. PANEL EDGES AND 12" o c. IN THE FIELD, UN O	20. SUBMIT SHOP DRAWINGS AND CALCULATIONS FOR REVIEW. ALL WOOD TRUSS DRAWINGS AND DESIGN CALCULATIONS TO BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED. THE SHOP DRAWING SUBMITTAL SHALL INCLUDE THE FOLLOWING:	UNIVEF
ET SIZE : { s/1008801 ^θ	10. PROVIDE SUPPLEMENTAL REINFORCEMENT AROUND ALL OPENINGS IN CONCRETE SLABS AND WALLS, IF APPLICABLE, AS INDICATED IN THE TYPICAL DETAILS.		 WALL PANEL SHEATHING, IF NOT NOTED ON STRUCTURAL PLANS, SHALL BE A MINIMUM 5/8" (NOMINAL) THICK, 48" x 96" SIZED SHEETS, NIST/DOC PS-1 OR PS-2, EXPOSURE 1 APA RATED SHEATHING WITH SQUARE EDGES FASTEN WALL SHEATHING WITH 8d COMMON NAU S AT 6" o c 	 A. TRUSS PLACEMENT DRAWINGS IDENTIVING ALL TRUSS TYPES, SPACING AND PERMANENT LATERAL BRACE LOCATIONS. B. INDIVIDUAL TRUSS TYPE DESIGN DRAWINGS SHALL IDENTIFY TRUSS SPAN, SLOPE, MEMBER MATERIAL PROPERTIES. WEB MEMBER ARRANGEMENT. CALCULATED DEFLECTIONS 	PROJECT:
SHEI ield Sport	 MINIMUM CLEARANCE OF REINFORCING BARS FROM CONCRETE SURFACES SHALL BE AS FOLLOWS: A. UNFORMED FACE IN CONTACT WITH EARTH: 3" B. UNFORMED SLAPS IN CONTACT WITH EARTH: 1.10" 		 PERIMETER, 6" o.c. PANEL EDGES AND 12" o.c. IN THE FIELD, U.N.O. 5. INSTALL ALL PLYWOOD SHEATHING WITH THE LONG DIMENSION OF THE PANEL ACROSS SUPPORTS AND WITH PANEL CONTINUOUS OVER TWO OR MORE SPANS. ALL OW 40" SPACING AT PANEL FUEL 	MAXIMUM STRESSES, AND LOCATION OF LATERAL BRACING ON INDIVIDUAL MEMBERS. C. TRUSS MEMBER-TO-MEMBER CONNECTION DETAILS. D. SUBMIT A COPY OF THE ICC APPROVAL OR RESEARCH REPORT FOR THE TRUSS PLATE SYSTEM TO BE USED	
) PM thletics - F	D.FORMED FACE IN CONTACT WITH EARTH:1-1/2C.FORMED FACE IN CONTACT WITH EARTH:2"D.FORMED FACE EXPOSED TO WEATHER:2" FOR #6 AND LARGER BARSE.FORMED FACE EXPOSED TO WEATHER:1-1/2" FOR #5 AND SMALLER BARS		AND WITH FAMEL CONTINUOUS OVER TWO OR MORE SPANS. ALLOW 1/8" SPACING AT PANEL ENDS AND EDGES UNLESS OTHERWISE RECOMMENDING BY THE SHEATHING MANUFACTURER.		SHEET TITLE: WBRC REVIT FILE: PROJECT NO
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CONTRACTOR RESPONSIBILITIES

STRUCTURAL TESTS AND SPECIAL INSPECTIONS DO NO RELIEVE THE CONTRACTOR OF ITS RESPONSIBILITIES AND OBLIGATIONS FOR QUALITY CONTROL OF THE WORK, THEIR OBLIGATIONS FOR SUPERVISING THE WORK, FOR ANY DESIGN WORK THAT IS INCLUDED IN THEIR SCOPE OF SERVICES AND FOR FULL COMPLIANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. FURTHERMORE, THE DETECTION OF, OR THE FAILURE TO DETECT DEFICIENCIES IN THE WORK DURING TESTING AND INSPECTION CONDUCTED PURSUANT TO THIS PROGRAM SHALL NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO CORRECT ALL DEFICIENCIES OR DEFECTS. WHETHER DETECTED OR UNDETECTED IN ALL PARTS OF THE WORK AND TO OTHERWISE
OR DEFECTS, WHETHER DETECTED OR UNDETECTED, IN ALL PARTS OF THE WORK, AND TO OTHERWISE COMPLY WITH ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS.
JOB SITE SAFETY IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR AND NOT PART OF THESE TESTS AND

MATERIALS AND ACTIVITIES TO BE TESTED AND INSPECTED DO NOT INCLUDE THE CONTRACTOR'S EQUIPMENT OR THE MEANS, METHODS AND PROCEDURES USED TO ERECT OR INSTALL THE MATERIALS OR ASSEMBLIES LISTED.

WHERE A STRUCTURAL COMPONENT OR SYSTEM IS SUBJECT TO TESTS AND INSPECTIONS AS DETERMINED BYTHE BUILDING OFFICIAL, AND THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE FOR THE PROJECT HAS NOT BEEN RETAINED TO DESIGN OR, TO PREPARE A PERFORMANCE SPECIFICATION FOR SAID COMPONENT OR SYSTEM, THE CONTRACTOR SHALL RETAIN A LICENSED PROFESSIONAL ENGINEER TO DESIGN SAID COMPONENT OR SYSTEM AND TO PROVIDE ANY REQUIRED TESTS AND INSPECTIONS.

THE CONTRACTOR SHALL PROVIDE FREE AND SAFE ACCESS TO THE WORK FOR ALL INDIVIDUALS WHO ARE PERFORMING THE TESTS OR INSPECTIONS. THE CONTRACTOR SHALL PROVIDE ALL LADDERS, SCAFFOLDING, STAGING, AND UP-TO-DATE SAFETY

EQUIPMENT, ALL IN GOOD AND SAFE WORKING ORDER, AND QUALIFIED PERSONNEL TO HANDLE AND ERECT THEM, AS MAY BE REQUIRED FOR SAFE ACCESS. THE CONTRACTOR SHALL GIVE REASONABLE NOTICE TO THOSE PERFORMING INSPECTIONS AND TESTS OF

WHEN THE VARIOUS PARTS OF THE WORK WILL BE READY FOR TESTING AND INSPECTION. THE CONTRACTOR SHALL OBTAIN INSTRUCTIONS FROM THE INSPECTION COORDINATOR AS TO WHAT IS REASONABLE NOTICE FOR THE VARIOUS ASPECTS OF THE WORK (TYPICALLY 48 HOURS), WHO IS TO BE

NOTIFIED AND HOW. THE OWNER RESERVES THE RIGHT TO BACK CHARGE THE CONTRACTOR FOR ADDITIONAL EXPENSE INCURRED BY THE OWNER FOR THE SERVICES OF THE INSPECTORS WHEN WORK IS NOT REASONABLY READY FOR INSPECTION IN ACCORDANCE WITH THE NOTICE PROVIDED BY THE CONTRACTOR.

LIKEWISE, IF WORK IS REPEATEDLY FOUND DEFICIENT, COSTS FOR A THIRD INSPECTION AND BEYOND MAY BE REIMBURSED FROM THE CONTRACTOR.

INSPECTIONS.

QUALIFICATIONS OF INSPECTORS AND TESTERS THE CREDENTIALS AND QUALIFICATIONS OF ALL INDIVIDUALS PERFORMING SPECIAL INSPECTION AND TESTING ACTIVITIES ARE SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL AND THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. CREDENTIALS SHALL BE PROVIDED FOR REVIEW, APPROVAL AND RECORD.

KEY FOR MINIMUM QUALIFICATIONS OF INSPECTION AGENTS: WHEN THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE DEEMS IT APPROPRIATE THAT THE INDIVIDUAL PERFORMING A STIPULATED TEST OR INSPECTION HAVE A SPECIFIC CERTIFICATION, LICENSE OR EXPERIENCE LEVEL AS INDICATED BELOW, SUCH DESIGNATION SHALL APPEAR WITH THE AGENCY NAME ON THE SCHEDULE.

ENGINEER:	
PE/SE	STRUCTURAL ENGINEER – A LICENSED SE OR PE SPECIALIZING IN THE DESIGN OF BUILDING STRUCTURES
PE/GE	GEOTECHNICAL ENGINEER – A LICENSED PE SPECIALIZING IN SOIL MECHANICS AND FOUNDATIONS
EIT	ENGINEERINTRAINING – A GRADUATE ENGINEER WHO HAS PASSED THE FUNDAMENTALS OF ENGINEERING EXAMINATION
EXPERIENCED	TESTING TECHNICIAN:
ETT	EXPERIENCED TESTING TECHNICIAN - AN EXPERIENCED TESTING TECHNICIAN WITH A MINIMUM 5 YEARS EXPERIENCE WITH THE STIPULATED TEST.
AMERICAN CO	NCRETE INSTITUTE (ACI) CERTIFICATION:
ACI-CFTT	CONCRETE FIELD TESTING TECHNICIAN – GRADE 1
ACI-CCI	CONCRETE CONSTRUCTION INSPECTOR
ACI-LTT	LABORATORY TESTING TECHNICIAN – GRADE 1&2
ACI-STT	STRENGTH TESTING TECHNICIAN
AMERICAN WE	ELDING SOCIETY (AWS) CERTIFICATION:
AWS-CWI	CERTIFIED WELDING INSPECTOR
AWS/AISC-SSI	CERTIFIED STRUCTURAL STEEL INSPECTOR
AMERICAN SO	CIETY OF NON-DESTRUCTIVE TESTING (ASNT) CERTIFICATION:
ASNT	CONCRETE CONSTRUCTION INSPECTOR
INTERNATION	AL CODE COUNCIL (ICC) CERTIFICATION:
ICC-SMSI	STRUCTURAL MASONRY SPECIAL INSPECTOR
ICC-SWSI	STRUCTURAL STEEL AND WELDING SPECIAL INSPECTOR
ICC-RCSI	REINFORCED CONCRETE SPECIAL INSPECTOR
NATIONAL INS	TITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES (NICET):
NICET-CT	CONCRETE TECHNICIAN – LEVELS I, II, III & IV
NICET-ST	SOILS TECHNICIAN - LEVELS I, II, III & IV
NICET-GET	GEOTECHNICAL ENGINEERING TECHNICIAN - LEVELS I, II, III & IV

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	SCHEDULE OF TI	ESTING AND INSPEC	CTION AGENCIES			
V	E FOLLOWING ARE THE TESTING AGENCIES AND SPECIAL INSPECTORS THAT WILL BE RETAINED BY THE VNER OR OWNER'S AGENT TO CONDUCT TESTS AND INSPECTIONS ON THIS PROJECT.					
	RESPONSIBILITIES FIRM ADDRESS & TELEPHONE					
	IBC SPECIAL INSPECTIONS, UNLESS NOTED OTHERWISE	TO BE DETERMINED	TO BE DETERMINED			
	GEOTECHNICAL TESTING AND INSPECTION	TO BE DETERMINED	TO BE DETERMINED			
	CONCRETE TESTING AND INSPECTION	TO BE DETERMINED	TO BE DETERMINED			

LESS NOTED OTHEWISE, THE INSPECTORS AND TESTING AGENCIES SHALL BE ENGAGED BY THE OWNER'S REPRESENTATIVE AND NOT BY THE CONTRACTOR WHOSE WORK IS TO BE INSPECTED . ANY CONFLICT OF INTEREST MUST BE DISCLOSED TO THE BUILDING OFFICIAL PRIOR TO ING WORK.

SPECIAL INSPECTION AND TESTS OF SOILS ections and tests of existing site soil conditions, fill placement and load-bearing requirements shall be performed ce with this section 1705.6. The approved geotechnical report and the construction documents prepared by the

t	stered design professionals shall be used to determine compliance. Dur proper materials and procedures are used in accordance with the provi	ing fill sions c	placement, the special ins of the approved geotechnic	pector shall verify cal report.
			APPLICABLE TO PRO	JECT
	DESCRIPTION	Y/N	EXTENT	AGENT
	Verify materials below shallow foundations are adequate to achieve the design bearing capacity.		Periodic	PE/GE
	Verify excavations are extended to proper depth and have reached proper material.		Periodic	PE/GE
	Perform classification and testing of compacted fill materials.		Periodic	ETT
	Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill.		Continuous	ETT
	Prior to placement of compacted fill, inspect subgrade and verify that site has been prepared properly.		Periodic	ETT

SPECIAL INSPECTION AND TESTS OF CONCRETE

ections and tests of concrete construction shall be performed in accordance with this section 1705.3, unless om the following:

ated concrete spread footings and continuous concrete wall footings of buildings three stories or less above de plane that are fully supported on earth or rock. nstructural concrete slabs supported directly on the ground, including prestressed slabs on grade, where the ective prestress in the concrete is less than 150 psi. ncrete foundation walls constructed in accordance with Table 1807.1.6.2. ncrete patios, driveways and sidewalks, on grade.

DESCRIPTION		APPLICABLE TO PROJECT			
	DESCRIPTION	Y/N	EXTENT	AGENT	
1.	Inspect reinforcement, including prestressing tendons, and verify placement.		Periodic	PE/SE EIT	
2.	Inspect reinforcing bar welding.	N	Welding of reinforce <u>not</u> allowed	ement is	
3.	Inspect anchors cast in concrete.		Periodic	PE/SE EIT	
4.	Inspect anchors post-installed in hardened concrete members: a. Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads.		Continuous	ACI-CFTT	
	b. Mechanical anchors and adhesive anchors not defined in 4a.		Periodic	ACI-CFTT	
5.	Verify use of required design mix.		Periodic	ACI-CFTT	
6.	Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.		Continuous	ACI-CFTT	
7.	Inspect concrete and shotcrete placement for proper application techniques.		Continuous	ACI-CFTT	
8.	Verify maintenance of specified curing temperature and techniques.		Periodic	ACI-CFTT	
9.	Inspect prestressed concrete for: a. Application of prestressing forces b. Grouting of bonded prestressing tendons.		Continuous Continuous	ETT ETT	
10.	Inspect erection of precast concrete members.		Periodic	PE/SE EIT	
11.	Verify in-situ concrete strength, prior to stressing of tendons in post- tensioned concrete and prior to removal of shores and forms from beams and structural slabs.		Periodic	ACI-CFTT	
12.	Inspect formwork for shape, location and dimensions of the concrete member being formed.		Periodic	ACI-CFTT	

SPECIAL INSPECTION AND TESTS OF MASONRY

<u>LEVEL B QUALITY ASSURANCE</u>: Special inspections and tests of masonry construction shall be performed in accordance with the quality assurance program requirements of TMS 402/ACI 530/ASCE 5 and TMS 602/ACI 530.1/ASCE 6, unless

exempted from the following:					
 Exceptions: 1. Empirically designed masonry, glass unit masonry or masonry ven 2110 or Chapter 14, respectively, where they are part of a structure 2. Masonry foundation walls constructed in accordance with Table 18 1807.1.6.3(4). 3. Masonry fireplaces, masonry heaters or masonry chimneys installe 2112 or 2113, respectively. 					
	DESCRIPTION		Τ		
1.	Verification of slump flow and Visual Stability Index (VSI) as delivered to the project site for self-consolidating grout.	Y/IN			
2.	Verification of f'm and f''acc prior to construction except where specifically exempted by TMS 402.				
3.	Verify compliance with the approved submittals.				
4.	 As masonry construction begins, verify that the following are in compliance: a. Proportions of site-prepared mortar. b. Construction of mortar joints. c. Grade and size of prestressing tendons and anchorages. d. Location of reinforcement, connectors, prestressing tendons and anchorages. e. Prestressing technique. f. Properties of thin-bed mortar for AAC masonry: Required for first 5000 sq. ft. of AAC Masonry Required after first 5000 sq. ft. of AAC Masonry 				
5.	 Prior to grouting, verify that the following are in compliance: a. Grout space. b. Grade, type, and size of rebar and anchor bolts, prestressing tendons and anchorages. c. Placement of rebar, connectors, and prestressing tendons and anchorages. d. Proportions of site-prepared grout and prestressing grout for bonded tendons. e. Construction of mortar joints. 				
6.	 Verify during construction: a. Size and location of structural elements. b. Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames, or other construction. c. Welding of Rebar d. Preparation, construction, and protection of masonry during cold weather (temperature < 40°F) or hot weather 	N			

(temperature > 90°F). Application and measurement of prestressing force. e. Placement of grout and prestressing grout for bonded | f. tendons Placement of AAC masonry units and construction of thinbed mortar joints. - Required for first 5000 sq. ft. of AAC Masonry

- Required after first 5000 sq. ft. of AAC Masonry Observe preparation of grout specimens, mortar specimens, and/or prisms.

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REF INFC FOU STEI	<u>N PLAN NOTES</u> : ER TO GENERAL NOTES SHEET FOR DESIGN ORMATION AND NOTES PERTAINING TO NDATIONS, CONCRETE, AND REINFORCING EL.	Q
PRO FIEL WAL	JECT REFERENCE ELEVATION AT SOFTBALL D IS 0' - 0" = USGS EL 116.00' L FOOTINGS TO BEAR ON FIRM,	_
OND MINI OF V SITE	MUM 4" DIA. UNDERDRAIN PIPE ALONG BASE VALL FOOTINGS TO BE COORDINATED WITH DRAWINGS.	Ρ
FOR SER COC PEN FOU TYPI	CLARITY. REFER TO TYPICAL DETAIL ON IES S-300 DRAWINGS CONTRACTOR TO ORDINATE SIZE AND LOCATION OF ANY WALL ETRATIONS FROM UTILITIES THROUGH THE NDATION WALL WITH MEP DRAWINGS, ICAL.	
SLAI REIN PLAC INSU ON C FILL GEO	B-ON-GRADE: CONCRETE SLAB-ON-GRADE IFORCED AS INDICATED ON PLANS AND CED OVER VAPOR BARRIER AND 2" RIGID JLATION (<u>AT INTERIOR BUILDING SLAB ONLY</u>) COMPACTED FREE-DRAINING GRANULAR MATERIAL. PROVIDE AS INDICATED IN DTECHNICAL REPORT FOR UNDERSLAB	0
INSU OF C PLAI REF	JLATION AND SUB-BASE INFORMATION. TOP CONCRETE SLAB ELEVATION AS NOTED ON N. ER TO S-300 SERIES DRAWINGS FOR	_
TYPI ALL BE F	ICAL CONCRETE SECTIONS AND DETAILS. STEEL EXPOSED TO THE ELEMENTS ARE TO IOT-DIPPED GALVANIZED U.N.O.	N
SLAI EXC EXC TO A DRA TYPI	B-ON-GRADE CONTROL JOINTS NOT TO EED 12' - 0" OC EA WAY AND CANNOT EED AN ASPECT RATIO OF 1.5 TO 1. REFER ARCHITECTURAL, LANDSCAPE AND TURF WINGS FOR JOINT LOCATIONS AND LAYOUT, ICAL.	
CON LOC OPE ROU OPE APP	ITRACTOR TO COORDINATE SIZE AND ATION OF ALL DOOR AND WINDOW NINGS WITH ARCHITECTURAL DRAWINGS. IGH OPENING FOR DOOR AND WINDOW NINGS ARE REPRESENTED IN THEIR ROXIMATE LOCATIONS. HOLD DOWN	М
FOU LOC WAL	NDATION WALL -0' - 8" AT ALL DOOR ATIONS, UNLESS NOTED OTHERWISE. .L CONTROL JOINTS TO BE SPACED AT A	_
MAX STR/ COR <u>THE</u> <u>EXC</u>	IMUM OF 20 FT ALONG A CONTINUOUS AIGHT WALL AND A MAXIMUM 20 FT FROM INERS. JOINTS SHALL ALSO ALLIGN WITH BRICK VENEER CONTROL JOINTS, NO EPTIONS.	L
<u>ND:</u> XX"	INDICATES TOP OF CONCRETE WALL FOOTING.	_
-XX" '-XX"	INDICATES TOP OF CONCRETE WALL ELEVATION.	к
	ELEVATION.	
<u> </u>	WALL FOOTING INDICATES 8" REINFORCED CMU WALL. PROVIDE 8" BOND BEAM WITH (2) #5 AT TOP	_
	OF WALL, TYP U.N.O. REFER TO TYPICAL CMU DETAIL SHEET AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION	J
	2x6 AT 16" oc WITH DOUBLE 2x6 TOP PLATE AND SINGLE P.T. 2x6 BOTTOM PLATE, TYP U.N.O.	_
	INDICATES WOOD STUD SHEAR WALL HOLDOWNS AS INDICATED ON PLANS. REFER TO SHEAR WALL ELEVATION ON S-600 SERIES DRAWING FOR EDGE BLOCKING, HOLDOWN AND NAIL	
	FASTENING REQUIREMENTS. INDICATES MASONRY LINTEL AT CMU WALL OPENING. REFER TO MASONRY	Н
	INDICATES LOOSE STEEL LINTEL AT CMU WALL OPENING. REFER TO	_
	S-400 SERIES DRAWINGS	G
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NORTH	MIGUEL * BETANCOURT * =	D
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IVEF	RSITY OF MAINE, SOFTBALL COMPLEX 2022	╉
OUN	168 College Ave, Orono, ME 04469 IDATION, SLAB PLAN AND SECTIONS	В
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SHEATHING, GHT OTTOM PLATE TO TO WITH PAF'S AT 8" oc IFER AT EXPOSED EDGES IFER AT EXPOSED EDGES DO MATCH SIZE AND OF VERTICAL WALL CING. FIELD DRILL AND MINIMUM OF 6" INTO TO USING HILTI HIT-HY 200 TANCHORING SYSTEM	EXTERIOR FINISH YER ARCH Stud walu with bouble TOP PLATE AND SINGLE P.T. BOTTOM PLATE, TYP U.N. FASTEN BOTTOM FASTEN BOTTOM PLATE TO CONCRETE WITH FDAFS AT 8" oc RIGID INSULATION #4 AT 12" oc VERT, WITH SID HOOK ALTERNATE #4 AT 12" oc HORIZ, E.F. PERMETER DRAIN PER SITE DRAIN PER SITE DRAIN PER SITE BOTTOM WALL SECTION AT LOAD-BEARING STUD WALL- SOFTBALL		
	1/2" = 1'-0" \$-100		
			0
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[CMU LINT	TEL SCHED	ULE			- REINFORCE	7			OSE STE
-	MARK WALL* THICK	(* NOMINAL	BLOCK DIMEN BOTTOM REINF	SION) SECTION	2 2/8" 3" 2 2/8"		, PER SCHEDULE 			MARK	ANGLE (GALVAN
-	ML1 8	8	(2) #5	ΤΥΡΕ Α		<u>TYPE "A"</u>				LL1	L4x3x3/8
	ML2 8	16	(2) #5	TYPE B	3 5/8"		WITH GROUT AT THE SAME TIME			LL2	L4x4x3
										LL3	L6x4x3/8
					<u>NOTE</u> :	<u>TYPE "B"</u> USE SUPPORTS	 REINFORCE PER SCHEDULE TO HOLD BARS 				
NOTE	<u>S</u> :				IN PROF	PER POSTION				<u>NOTES</u> : 1. S	SEE ARCHIT
1. 2.	SEE ARCHITE USE LINTEL S OR BUILDING	ECTURAL DRA ECTION THA ELEVATIONS	AWINGS FOR L T COINCIDES S. FILL CMU LI	INTEL ELEVATIONS. WITH OPENING CLE NTELS WITH GROU	S, CLEAR OPENIN EAR SPAN UNLES T (<u>NOT</u> MORTAR	IG DIMENSIONS SS OTHERWISE I) PER SPECIFICA	AND OTHER INFOR NOTED ON THE FLO ATIONS. CMU LINTE	MATION. OR PLAN ELS SHALL		2. L A	OOSE STEE
3.	BE SHORED F THE SCHEDU PATTERN IN (FOR A MINIM LE ABOVE AI CMU LINTEL S	UM OF 28 DAY PPLIES ONLY 1 SHALL BE THE	S. FO LINTELS SUPPOF SAME AS THE PAT	TING MASONR	´ / IN RUNNING BC PPORTING WALL	OND. MASONRY JO	INT		3. M II 4 V	AINIMUM BE N SCHEDUL
4.	MINIMUM BEA WIDTH OF SP OF LINTEL, TY	ARING ON MA PAN OPENING PPICAL.	ASONRY WALL G. GROUT SOL	AT EACH END OF L ID BELOW LINTEL E	INTEL IS 8", BUT BEARING FROM F	NOT LESS THAN OUNDATION (OI	I 1" OF BEARING PE R FLOOR BELOW) T	R FOOT O BOTTOM		Ĺ	OOSE LINT
N1		INTEL S	SCHEDUL	.E					N5	LOOSE	STEEL
NTS									NTS		
CON (SEE	TROL JOINT — NOTE 4)		CONTROL JOIN AT JAMB OPEN	ING	CONTINUOUS, I WALL. REFER LOCATION OF E	FULLY GROUTED TO TYPICAL ATT BOND BEAM AND	D BOND BEAM AT TO ACHMENT DETAILS REINFORCEMENT.	DP OF FOR			
			SEE LIN SCHED	TEL ULE	SEE LINTE SCHEDUL	E					
(1) # SIDE CON	5 AT EACH OF WALL TROL JOINT	- 0 ¹⁹ MI					(1) #5 AT OF WALL	END , TYP		K	
		BEARI	ING				(1) #5 EA OF OPEN	CH SIDE IING, TYP			
							4'-0" OC I (SEE NO	MAX TE 3)			
<u>NOT</u>	<u>ES</u> :										
1.	VERTICAL R WALL CONT REINFORCIN	<u>EINFORCING</u> ROL JOINTS /	: NO VERTICA AND ENDS OF RE IN GROUTE	L REINFORCING IS NON-BEARING INTE ED CELLS.	REQUIRED EXCE ERIOR CMU PAR	EPT AS INDICATE TITION WALLS LI	ED AT JAMB OPENIN ESS THAN 25'-0" TAI	IGS, .L. ALL			
2.	<u>HORIZONTA</u> OC, TYPICAL TYPICAL DE	<u>L JOINT REIN</u> LAP SPLIC TAIL FOR ADI	I <u>FORCEMENT</u> : E HORIZONTA DITIONAL INFC	PROVIDE 9 GAUG L JOINT REINFORCE RMATION.	E HORIZONTAL 1 EMENT 75 DIAME	RUSS-TYPE JOI	NT REINFORCEMEN RODS OR 13" MINIMU	IT AT 16" JM. SEE			
3.	EXTEND DO	WELS 2'-0" IN IG LAP SPLIC	ITO CMU CELL E SCHEDULE'	AND GROUT. WHE . FIELD DRILL HOLE	RE LAP SPLICE (ES IN CONCRETE	OCCURS, REFER SLAB AND FRIC	R TO "MASONRY CTION FIT DOWELS	INTO			
4.	MAXIMUM CO WALL OPEN	ONTROL JOIN	NT SPACING IS D LOCATIONS.	20'-0". REFER TO 1	TYPICAL DETAILS	S AND ARCHITEC	CTURAL DRAWINGS	FOR			
J1	INTER		N-BEARII	NG CMU WA	LL REINFO	DRCEMEN	T		J5	TYPICA	
NTS									NTS		
			FLEXIBLE DO NOT (JOINT FILLER. — GROUT							
			VERTICAL SIZE OF V REINFOR MINIMUM	_ BAR TO MATCH - /ERTICAL WALL CEMENT (#5 BAR)							3/16
											FULLY GR
											CORES AT BEARING
			JOINT ST	ABLIZATION S AT 2'-0" o.c.							CMU WAL PER PLAN
			VERTICAL GROUT C FULL HEI	MU CORE							
			CMU WAL PLAN, TYI	LL PER							
<u>E</u> 1	TYPIC	AL_CMU	WALL C	<u>ONTR</u> OL JO	INT AT INT	ERSECTIO	DN		<u> </u>	TYPICA	
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LLY	CONTROL JOINT CONTROL JOINT CONTROL JOINT CONTROL DEFAILS FOR CONTROL ACTION OF BOND BEAM AND REINFORCEMENT. CONTROL JOINT CONTROL JOINT CONTROL DEFAILS FOR CONTROL OF BOND BEAM AND REINFORCEMENT. CONTROL JOINT CONTROL JOINT SPACING 1900 THE SCHEDULE SCHEDULES SCH	
CMU REBAR LAP SPLICE SCHEDULE #4 #4 #5 #6 #7 46"	NIE SEALANT WITH BACKER ROD. EACH SIDE VENTICAL BAR EACH SIDE OF GRUTED CELLS, IYPICAL OF DUT CAVITY OF D	
		0 RE`
		PROJE PROJE SHEET WBRC PROJE SCALE PIC/PM DRAW CHECF
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DEMOLITION KEY NOTES: 1. REMOVE EXISTING BLEACHER SEATING, STAIRS, RISERS AND ALL ASSOCIATED HANDRAILS AND ASSOCIATED COMPONENTS, TYP. REMOVE EXISTING FOUNDATIONS TO A DEPTH SO AS NOT TO INTERFERE WITH NEW STRUCTURES 2. DEMOLISH EXISTING DUGOUT, ASSOCIATED STRUCTURE, UTILITIES, INTERIOR FINISHES, AND EXTERIOR ENVELOPE COMPLETELY, TYP. REMOVE EXISTING FOUNDATIONS TO A DEPTH SO AS NOT TO INTERFERE WITH NEW STRUCTURES



SCALE:



EXISTING TENNIS COMPLEX

14





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TAG NAME	DESCRIPTION	COMMENTS
GB-1	GRAB BAR	18" LENGTH
GB-3	GRAB BAR	36" LENGTH
GB-4	GRAB BAR	42" LENGTH
TTD	TOILET TISSUE DISPENSER	
WR	WASTE RECEPTACLE	
MR	MIRROR	
PTD	PAPER TOWEL DISPENSER	
ASD-1	AUTOMATIC SOAP DISPENSER (WALL MOUNTED)	
SND	SANITARY NAPKIN DISPOSAL	
HD	WARM-AIR HAND DRYER	
UTS	UTILITY SHELF	
SCD	SEAT COVER DISPENSER	
MBH	MOP AND BROOM HOLDER	
SS	STAINLESS STEEL SHELF	
	1075	





RE: SHEET AE554 FOR ADDITIONAL PRE-FABRICATED BUILDING DETAILS & INFORMATION N1 ENLARGED ROOF - SEATING BOWL FLOOR PLANS - SOFTBALL - SPECTATOR SEATING - PRESSBOX ROOF 1/4" = 1'-0"



RE: SHEET AE554 FOR ADDITIONAL PRE-FABRICATED BUILDING DETAILS & INFORMATION

G1 ENLARGED PLAN - SEATING BOWL FLOOR PLANS - SOFTBALL - SPECTATOR SEATING - PRESSBOX 1/4" = 1'-0"





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GALVANIZED STEEL EYEBOLT FOR TIE-BACK TENSION NETTING SYSTEM, INSTALLED AT STONE CAP MASONRY CONTROL JOINTS, INSTALLED MINIMUM 18" O.C. (RE: MANUFACTURER)

- (044200) CAST STONE CAP

------ ATHLETIC PADDING, RE: TURF

SB <u>FI</u>ELD LEVEL 0' - 0"



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A15 TYPICAL LOUVER SILL DETAIL @ WOOD STUD 3" = 1'-0"



(079200) JOINT SEALANT & BACKER ROD

 AIR LOUVER, RE: MECH. - 1" x 1 1/2" STEEL ANGLE BY LOUVER MANUFACTURER



→ =

— C01

SIDES

- MINIMAL EXPANDING

FOAM SEALANT

AIR LOUVER, RE: MECH. - (079200) JOINT SEALANT & BACKER ROD, TYP. BOTH



0/

- AIR LOUVER, RE: MECH.

(079200) JOINT SEALANT &

(076200) PREFINISHED METAL

FLASHING (WITH DRIP EDGE)

- 1" x 1 1/2" STEEL ANGLE BY LOUVER

MANUFACTURER

BACKER ROD

SHIM AS REQ'D

A01

2x6 WOOD BLOCKING

(133419) METAL WALL PANEL

(071326) SELF-ADHERING

SHEET WATERPROOFING

SCALE:

J15 TYPICAL LOUVER HEAD DETAIL @ WOOD STUD 3" = 1'-0"

E15 TYPICAL LOUVER JAMB DETAIL @ WOOD STUD 3" = 1'-0"



- ROOF TRUSS ABOVE BOND BEAM, RE: STRUCTURE

(51200) STEEL PLATE

(079200) JOINT SEALANT &

WITH DRIP EDGE, TYP.

- AIR LOUVER, RE: MECH.

PREFINISHED METAL FLASHING

BACKEŔ ROD









3/4/2022 12:30 BIM 360://UM /

REV.

SHEET TITLE:

PROJECT No. SCALE.



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DOOR NO. WIDTH HEIGHT TYPE MATERIAL GLAZING FINISH H TYPE MATERIAL FINISH GROUND LEVEL 100A 6' - 0'' 7' - 0'' ALUM-1 ALUM ALUM ALUM ALUM ALUM ALUM	NISH HEAD JAMB SILL $\frac{14}{2}$	REMARKS SEE SCHED
IOA 0 - 0 7 - 0 ALOW-1 ALOW - PT Yes HM-1 HM PT 100B 3' - 0" 7' - 0" HM-1 HM - PT Yes HM-1 HM PT 100C 3' - 0" 7' - 0" HM-1 HM - PT Yes HM-1 HM PT 101 3' - 0" 7' - 0" HM-1 HM - PT HM-1 HM PT 102 3' - 0" 7' - 0" HM-1 HM - PT HM-1 HM PT 103 3' - 0" 7' - 0" HM-1 HM - PT HM-1 HM PT 104X 3' - 0" 7' - 0" HM-1 HM - PT No HM-1 HM PT 105A 3' - 0" 7' - 0" HM-1 HM - PT Yes HM PT 105B 6' - 0" 7' - 0" H	- - - - 2 N5/AE601 J5/AE601 E10/AE601 - 3 1,5 N5/AE601 J5/AE601 E10/AE601 - 3 - A10/AE601 A14/AE601 E1/AE601 - 7 MANUFACTURER TO FAN TO PULL THROUT A10/AE601 A14/AE601 E1/AE601 - 7 MANUFACTURER TO FAN TO PULL THROUT A10/AE601 A14/AE601 E1/AE601 - 7 MANUFACTURER TO FAN TO PULL THROUT A10/AE601 A14/AE601 E1/AE601 - 7 MANUFACTURER TO FAN TO PULL THROUT A10/AE601 A14/AE601 E1/AE601 - 5 - N10/AE601 J10/AE601 E10/AE601 - 5 - N1/AE601 J10/AE601 E10/AE601 - 4 - N1/AE601 J10/AE601 E10/AE601 - 5 - N10/AE601 J10/AE601 E10/AE601 - 5 - N10/AE601 J10/AE601 E10/AE601 - 6 1,5 N10/AE601 J10/AE601	O PROVIDE 1" UNDERCUT ON DOOR TO ALLOW EXHAUST DUGH VENTILATION AIR AS REQUIRED BY MECHANICAL O PROVIDE 1" UNDERCUT ON DOOR TO ALLOW EXHAUST DUGH VENTILATION AIR AS REQUIRED BY MECHANICAL BY BY
	REMARKS: 1. CA 2. DO FIN 3. DO DO OF 4. RE API SE 5. EX STI 6. PR MA	DOOR TYPES DOR SUPPORTS AND RAILS TO BE FACTORY NISHED, BY MANUFACTURER. DOR WIDTH AND HEIGHT INDICATES ACTUAL DOR SUEC OVERALL R.O. WIDTH AND HEIGHT F DOOR AS INDICATED BY DOOR DETAILS. E: SPECIFICATION SECTION 087100 FOR PULCABLE DOOR HARDWARE AND HARDWARE ETS. ITERIOR DOORS AND FRAMES: PROVIDE GALV. TL. PER SPECIFICATIONS. ROVIDE MASONRY HEADS FOR DOORS IN ASONRY WALLS HM-1 HOLLOW METAL FRAME
WINDOW NO. WINDOW TYPES MATERIAL FINISH FRAME FINISH GLAZING TYPE REMARKS	GLAZING TYPES	$\frac{\text{FRAME TYPES}}{1/4" = 1'-0"}$
100A ALUM-1 ALUM. ANOD. GL01 1 100B ALUM-1 ALUM. ANOD. GL01 1 100C ALUM-1 ALUM. ANOD. GL01 1 100C ALUM-1 ALUM. ANOD. GL01 1 REMARKS: 1. RE: SPECIFICATION SECTION 088000 FOR APPLICABLE GLAZING TYPES.	GL01 (GL01) (GL01) (GL01) (Gmm) LOW-E TEMPERED CLEAR 1/2" ALUM. AIRSPACER 1/4" (6mm) CLEAR TEMPERED SURFACE: 1 - NONE 2 - LOW-E COATING 3 - NONE 4 - NONE	WINDOW TYPES
ROOF TRUSS ABOVE BUILT UP HEADER, TYP. WOOD SHIM (079200) JOINT SEALANT, TYP. WOOD SHIM UTWO PIECE FLASHING DETAIL BACKER ROD AND SEALANT, TYP. BACKER ROD AND SEALANT, TYP. SEALANT, TYP. SE	(133419) COLD-FORMED JAMB BACKER ROD AND SEALANT ALUMINUM STOREFRONT NG, TYP. HECE TRIM FLASHING, JACENT DETAIL R ROD AND SEALANT NUM STOREFRONT WEATHER BARRIER WRAP INTO FRAMED OPENING, TYP.	2x6 WOOD BLOCKING
G1 ALUM. WINDOW HEAD 3" = 1'-0"	G8 ALUM. WINDOW JAMB 3" = 1'-0"	G11 TYPICAL METAL PANEL STOREFRONT SIL
ROOM # ROOM NAME FLOOR FINISH BASE FINISH NORTH WALL	ROOM FINISH SCHEDULE EAST WALL SOUTH WALL WEST WALL CEILING FINISH	CASEWORK COUNTERTOP REMARKS 1. PAINT EXPOSE
100HITTING PAVILIONTURFRB 01IMP 01101RESTROOMCONC 02RB 01CONC 03102RESTROOMCONC 02RB 01CONC 03103PLUMBING ROOMCONC 02RB 01CONC 03104XELECTRICAL ROOMCONC 02RB 01CONC 03105STORAGECONC 02NACONC 03105TIT ROOMCONC 02NACONC 03106HOME TEAM DUGOUTCONC 01NAGR 01107VISITING TEAM DUGOUTCONC 02NACONC 03108STORAGECONC 02NACONC 03	IMP 01 IMP 01 IMP 01 IMP 02 CONC 03 CONC 03 CONC 03 ACT 01 CONC 03 CONC 03 CONC 03 SRD 01 / PT 01 CONC 03 CONC 03 CONC 03 SRD 01 / PT 01 CONC 03 / GR 01 CONC 03 CONC 03 SRD 01 / PT 01 CONC 03 CONC 03 / GR 01 GR 01 SRD 01 / PT 01 CONC 03 CONC 03 / GR 01 GR 01 SRD 01 / PT 01	- - 4 3. PAINT EXPOSE - - - 3. PAINT ALL EX - - 3 4. PAINT ALL EX - - 3 4. PAINT ALL EX - - 3 4. PAINT ALL EX - - 1,3 4. PAINT ALL EX - - 1,3 4. PAINT ALL EX - - 1,2 4. PAINT ALL EX - - 1,3 4. PAINT ALL EX
FLOORS	VALLS	PAINT COLORS
SEE FINISH SCHEDULE FOR MATERIAL CALLOUTS SEE CONC CONCRETE FLOOR FINISH 01. CAST-IN-PLACE CONCRETE BROOM FINISH (033000) 02. SEALED CONCRETE (033000) TURF SYNTHETIC TURF RE: LANDSCAPE	E INTERIOR ELEVATIONS AND FINISH SCHEDULE FOR MATERIAL CALLOUTS NC 03 CONCRETE MASONRY UNIT (042000) W/ EPOXY PAINT (PT 01) O1 INSULATED METAL PANEL 01. MFR: NUCOR / AWI PANELS STYLE: HE40 SIZE: 3" COLOR: EXTERIOR: (TBD)	SEE INTERIOR ELEVATIONS AND FINISH SCHEDULE FOR MATERIAL CALLOUTS PT PAINT (099123 099600 099646) 01. COLOR: (TBD) 02. COLOR: (TBD) 03. COLOR: (TBD) 03. COLOR: (TBD) MISC FINISHES
		GR 01 MODULAR DUGOUT GUARDRAIL SYSTEM MFR: SPORTSFIELD SPECIALTIES STYLE: GRS96
BASE SEE INTERIOR ELEVATIONS AND FINISH SCHEDULE FOR MATERIAL CALLOUTS RB RESILIENT RUBBER BASE (096513) 01. MFR: JOHNSONITE STYLE: RUBBER - STANDARD COVE BASE SE COLOR: 40 BLACK SIZE: 4" BASE	E REFLECTED CEILING PLANS AND FINISH SCHEDULE FOR CEILING MATERIAL CALLOUTS TO1 ACOUSTICAL PANEL CEILINGS (095113) 01 MFR: ARMSTRONG STYLE: OPTIMA 15/16" SQUARE TEGULAR SIZE: 24" x 96" COLOR: WHITE	COLOR: (TBD) SIZE: 96" HEIGHT GB 5/8" TYPE 'X' MOLD-RESISTANT GYPSUM BOARD CSC CAST STONE CAP (RE: SPEC SEC 047200) - BASE BID, ALTERNATE #1: REPLACE ALL LOCATIONS OF CAST STONE CAP WITH (044200) GRANITE STONE COPING













ALUMINUM STOREFRONT SYSTEM

BACKER ROD AND SEALANT, TYP.

TWO PIECE TRIM FLASHING, SEE ADJACENT DETAIL WEATHER BARRIER WRAP INTO FRAMED OPENING

DETAIL

METAL DECKING AT CEILING OF DUGOUTS AND DUGOUT STORAGE ROOMS. STEEL SUPPORTS AT ROOFS OF DUGOUTS.

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DSED STEEL STRUCTURE PT 01.

SED WOOD STRUCTURE PT 01.





WBRC CAD FILE: PROJECT No. SCALE: DRAWN BY:

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1314	15161718
SONC 03	P15 INTERIOR ELEVATION - RESTROOM - WEST WALL
	Interior Elevation - RESTROOM - NORTH WALL1 1'-4 1/4" 1'-4 1/4" 1'-4 1/4" SB - ROOF - DUGOUT 8'-0" B'-0" SINK, RE: PLUMB. B 1/4" = 1'-0"
9'-0" (074113) INSULATED PREFINISHED METAL ROOF PANELS, TYP. SB - ROOF - HITTING PAVILION 14'-3"	SB - ROOF - DUGOUT $SB - PO'F - DUGOUT$ $SB - PO$
	Interior elevation - Plumbing - West Wall 0'-0" 0'-0" 0'-0" 0'-0" 0'-0" G15 INTERIOR ELEVATION - PLUMBING - WEST WALL 1/4" = 1'-0" Accessory Legend Tag name Description Comments GB-1 Grab bar 18' Length GB-3 Grab bar 42' Length TD Tollet Tissue Dispenser WR Waste Receptacle MR< MIRROR Image I
	ASD-1 AUTOMATIC SOAP DISPENSER (WALL MOUNTED) SND SANITARY NAPKIN DISPOSAL HD WARM-AIR HAND DRYER UTS UTILITY SHELF SCD SEAT COVER DISPENSER MBH MOP AND BROOM HOLDER SS STAINLESS STEEL SHELF GENERAL NOTE 1. REFER TO SPEC SECTION 102800 FOR MORE INFORMATION 2. REFER TO SHEETS G002 AND G003 FOR ACCESSIBLE CLEARANCES AND MOUNTING HEIGHTS.
CONCRETE (116833) COAT RACK AND SHELF Image: Concrete Image: Concrete Image: Concrete Image: Concret	
ELEVATION - VISITING DUGOUT - EAST WALL	15 16 17 18



1029.15 HANDRAILS

RAMPED AISLES HAVING A SLOPE EXCEEDING ONE UNIT VERTICAL IN 15 UNITS HORIZONTAL (6.7-PERCENT SLOPE) AND STEPPED AISLES SHALL BE PROVIDED WITH HANDRAILS IN COMPLIANCE WITH SECTION N1014 LOCATED EITHER AT ONE OR BOTH SIDES OF THE AISLE OR WITHIN THE AISLE WIDTH.

1029.15.1 DISCONTINUOUS HANDRAILS WHERE THERE IS SEATING ON BOTH SIDES OF THE AISLE, THE MID-AISLE HANDRAILS SHALL BE DISCONTINUOUS WITH GAPS OR BREAKS AT INTERVALS NOT EXCEEDING FIVE ROWS TO FACILITATE ACCESS TO SEATING AND TO PERMIT CROSSING FROM ONE SIDE OF THE AISLE TO THE OTHER. THESE GAPS OR BREAKS SHALL BE A CLEAR WIDTH OF

EX. 3: HANDRAIL EXTENSIONS ARE NOT REQUIRED AT THE TOP AND BOTTOM OF STEPPED AISLES AND RAMPED AISLES TO PERMIT CROSSOVER WITHIN THE AISLES.

NOT LESS THAN 22 INCHES AND NOT GREATER THAN 36 INCHES, MEASURED HORIZONTALLY, AND THE MID-AISLE HANDRAIL SHALL BE ROUNDED TERMINATIONS OR BENDS. 1029.15.3 MID-AISLE TERMINATION MID-AISLE HANDRAILS SHALL NOT EXTEND BEYOND THE LOWEST RISER AND SHALL TERMINATE WITHIN 18 INCHES, MEASURED HORIZONTALLY, FROM THE LOWEST RISER. HANDRAIL EXTENSIONS RAE NOT REQUIRED.

EX.: MID-AISLE HANDRAILS SHALL BE PERMITTED TO EXTEND BEYOND THE LOWEST RISER WHERE THE HANDRAIL EXTENSIONS DO NOT OBSTRUCT THE WIDTH OF THE CROSS

AISLE. 1029.15.4 RAILS SHALL BE ADEQUATE IN STRENGTH AND ATTACHMENT IN ACCORDANCE WITH SECTION 1607.8.1.2. 1029.16.1 PERIMETER GUARDS THE PERIMETER, THE GUARD HEIGHT SHALL BE MEASURED IN ACCORDANCE WITH SECTION 1015.2. EX. 1: GUARDS THAT IMPACT SIGHTLINES SHALL BE PERMITTED TO COMPLY WITH SECTION 1029.16.3. EX. 2: BLEACHERS, GRANDSTANDS AND FOLDING AND TELESCOPIC SEATING SHALL NOT BE REQUIRED TO HAVE PERIMETER GUARDS WHERE THE SEATING IS LOCATED ADJACENT TO A WALL AND THE SPACE BETWEEN THE WALL AND THE SEATING IS LESS THAN 4 INCHES. 1029.16.3 SIGHTLINES-CONSTRAINED GUARD HEIGHTS AND THE FASCIA OR RAILING WOULD OTHERWISE INTERFERE WITH THE SIGHTLINES OF IMMEDIATELY ADJACENT SEATING. 1029.16.4 GUARDS AT THE END OF AISLES 3/4/: BIN



UNLESS SUBJECT TO THE REQUIREMENTS OF SECTION 1029.16.4, A FASCIA OR RAILING SYSTEM IN ACCORDANCE WITH THE GUARD REQUIREMENTS OF SECTION 1015 AND HAVING A MINIMUM HEIGHT OF 26 INCHES SHALL BE PROVIDED WHERE THE FLOOR OR FOOTBOARD ELEVATION IS MORE THAN 30 INCHES ABOVE THE FLOOR OR GRADE BELOW

SEATS ARE SELF-RISING, GUARD HEIGHT SHALL BE 42 INCHES HIGH MINIMUM, MEASURED FROM THE FLOOR SURFACE. WHERE THERE IS AN AISLE BETWEEN THE SEATING AND

PERIMETER GUARDS SHALL BE PROVIDED WHERE THE FOOTBOARDS OR WALKING SURFACE OF SEATING FACILITIES ARE MORE THAN 30 INCHES ABOVE THE FLOOR OR GRADE BELOW. WHERE THE SEATBOARDS ARE ADJACENT TO THE PERIMETER, GUARD HEIGHT SHALL BE 42 INCHES HIGH MINIMUM, MEASURED FROM THE SEATBOARD. WHERE THE

WHERE MID-AISLE HANDRAILS ARE PROVIDED IN STEPPED AISLES, THERE SHALL BE AN ADDITIONAL RAIL LOCATED APPROXIMATELY 12 INCHES BELOW THE HANDRAIL. THE RAIL



A9 RAILING PLAN - SOFTBALL - SPECTATOR SEATING STANDS 1/16" = 1'-0"

RAILING TYPES

E	(131250) - 1.5 INCH O.D. CLEAR ANODIZED ALUMINUM MID-AISLE HANDRAIL WITH TOP AND BOTTOM POST RETURNS. BRACKETS ANCHOR TO ALUMINUM BLEACHER SYSTEM. PROVIDE ROUNDED TERMINATIONS OR BENDS AT BOTH ENDS OF RUNS. RAILINGS SHALL TERMINATE BEYOND NOSING(S) OF NEAREST AISLE STEPS AS SHOWN. PROVIDE ADDITIONAL HORIZONTAL RAIL LOCATED APPROXIMATELY 12 INCHES BELOW THE TOP HANDRAIL. MINIMUM HEIGHT: 2'-10" TO CENTERLINE OF TOP RAIL FROM LEADING EDGE OF AISLE STEP NOSINGS
F	RAILING PROVIDED BY FABRICATED GRANDSTAND SEATING MANUFACTURER (131250) - 1.5 INCH O.D. CLEAR ANODIZED ALUMINUM HANDRAIL WITH POST BRACKETS SUPPORT. BRACKETS ANCHOR TO ALUMINUM BLEACHER/STAIR/RAMP SYSTEM ONLY. BRACKETS TO BE SPACED EQ. WITH GUARDRAIL POSTS. RAILINGS SHALL TERMINATE AT 12 INCHES BEYOND TOP AND BOTTOM STAIR NOSINGS AND/OR RAMP RUNS. PROVIDE MIN. 1-1/2 INCH CLEARANCE BETWEEN HANDRAIL AND ADJACENT SURFACES AND/OR OBSTRUCTIONS. MINIMUM HEIGHT: 2'-10" TO CENTERLINE OF TOP RAIL FROM LEADING EDGE OF AISLE STEP NOSINGS RAILING PROVIDED BY FABRICATED GRANDSTAND
G	SEATING MANUFACTURER (131250) - 3" x 3" x 1/4" PAINTED GALV. STEEL ANGLE GUARDRAIL RAIL RISERS WITH 2" DIA. BLACK ANODIZED ALUMINUM TOP AND BOTTOM RAIL WITH BLACK VINYL CHAINLINK FENCING INFILL PANELS MINIMUM HEIGHT: 3'-6" TO TOP OF GUARDRAIL FROM ADJACENT WALKING SURFACE AND/OR BENCH SEAT RAILING PROVIDED BY FABRICATED GRANDSTAND SEATING MANUFACTURER
Η	(131250) - 3" x 3" x 1/4" PAINTED GALV. STEEL ANGLE GUARDRAIL RAIL RISERS WITH 2" DIA. BLACK ANODIZED ALUMINUM TOP AND BOTTOM RAIL WITH BLACK VINYL CHAINLINK FENCING INFILL PANELS MINIMUM HEIGHT: 2'-3" TO TOP OF GUARDRAIL FROM ADJACENT WALKING SURFACE 'SIGHTLINES-CONSTRAINED GUARD HEIGHT' RAILING PROVIDED BY FABRICATED GRANDSTAND SEATING MANUFACTURER
J	(131250) - 1.5 INCH O.D. CLEAR ANODIZED ALUMINUM GUARDRAIL WITH BOTTOM POST RETURNS. BRACKETS ANCHOR TO ALUMINUM BLEACHER PLATFORM. GUARDRAIL POSTS TO BE SPACED NO MORE THAN 4' O.C. MINIMUM HEIGHT: 2'-2" TO TOP OF GUARDRAIL FROM ADJACENT WALKING SURFACE RAILING PROVIDED BY FABRICATED GRANDSTAND SEATING MANUFACTURER

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2 7 7 7 7 7 7 7 7 7 7 7 7 7			
M SHEET SIZE : 30x4 ics - Field Sports/10088015 – L ^B	IEW SHOWN DIAGRAMATICALLY, SEE CONTRACT E	DOCUMENTS FOR DETAILS	
(4/2022 12:31:33 P 860://UM Athlet 9 At	L PERSPECTIVE - NORTHWEST		





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					DRAIN
	TAG		DESCRIPT	ION	
-	FD-1	FLOOR DRAIN			
		DOMEST	IC WATE	R HEATE	R SC
				RECOVERY	WATE

						[DRAIN S	SCHED	DULE				
		-	TAG		DESCRIP	TION		TRAP	WASTE	VENT		NO	TES
		-	FD-1	FLOOR DRAIN				2"	2"	1-1/2"		PROVIDE TR	RAP PRIMER
				DOMEST	IC WATE	ER HEATE	R SCHE	EDULE					
TAG A	REA SERVED	TYPE		MODEL	STORAGE	RECOVERY @ 100°F RISE.	WATER SUPPLY		ELEC	FRICAL		SHIPPING WEIGHT	NOTES
					GAL		IEMP.	K/\/	FLA		DHASE	LBS.	
						GFN	DEG. F	1.1.1		VOLI	TIAGE		

2. ELECTRIC COIL ARE NON-SIMULTANEOUS

		EXPANSION TANK SCHEDULE								
			TANK			ACCEPTANCE	NOTES			
	TAG SERVICE	WODEL #	VOLUME	DIA.	HEIGHT	VOLUME	NOTES			
	PET-1	DOMESTIC HW	ST-5C-DD	2	8	14	-	1		
	EXPANSI	EXPANSION TANK SCHEDULE NOTES:								
	1. BASED	O ON AMTROL								

	PLUMBING FIXTURE SCHEDULE								
TAG	DESCRIPTION	HW	CW	TW	TRAP	WASTE	VENT	MOUNTING HEIGHT	NOTES
WC-1	ADA WALL MOUNTED WATER CLOSET	-	1"	-	-	3"	2"	-	SENSOR HARDWIRED
LAV-1	ADA WALL HUNG LAVATORY	1/2"	1/2"	-	1-1/4"	1-1/2"	1-1/2"	SEE ARCH	
EWC-1	ADA WALL HUNG HIGH/LOW ELECTRIC WATER COOLER	-	1/2"	-	1-1/4"	1-1/2"	1-1/2"	-	
MR-1	MOP RECEPTOR	1/2"	1/2"	-	3"	3"	2"	FLOOR	
HB-1 WH-1	HOSE BIB WALL HYDRANT	-	1/2" 1/2"	-	-	-	-	BELOW FIXTURE	INTERIOR EXTERIOR

	TRAP PRIMER SCHEDULE								
							1		
TAG	MODEL	INLET SIZE	MANIFOLD		ELEC.	MOUNTING			
			OUTLETS	CONNECTION					
TP	Z1022-XL	1/2"	3	1/2"	-	INLINE			
TRAP PR	MER SCHE	DULE NOTE	<u>S:</u>						
1. BASED	ON ZURN								
2. WALL	MOUNTED	ABOVE CEIL	.ING						







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L 1-1/2"

\bigotimes	ROUND SUPPLY OR OUTSIDE AIR DUCT UP		RECTANGULAR SUPPLY OR OUTSIDE AIR DUCT UP
	ROUND RETURN OR EXHAUST AIR DUCT UP		RECTANGULAR RETURN OR EXHAUST DUCT UP
	ROUND SUPPLY OR OUTSIDE AIR DUCT DN		RECTANGULAR SUPPLY DUCT DN
	ROUND RETURN OR EXHAUST AIR DUCT DN		RECTANGULAR RETURN OR EXHAUST DUCT DN
83	DIRECTION OF AIRFLOW	<u>12"Ø</u>	ROUND DUCT DIAMETER IN INCHES
	DUCT PLAN-INCLINED DROP (DOWNSTREAM END LOWER)	B	45° ROUND DUCT ELBOW
	DUCT PLAN-INCLINED RISE (DOWNSTREAM END HIGHER)	F B	90° ROUND DUCT ELBOW
<u>AD</u>	ACCESS DOOR	12"Ø 🛞 🔀	DUCT SECTION-SUPPLY OR OUTSIDE AIR FIRST FIGURE IS WIDTH SECOND FIGURE IS HEIGHT
FC	FLEXIBLE CONNECTION	12"Ø 🕥 30x12	DUCT SECTION-EXHAUST OR RETURN AIR
BDD	BACKDRAFT DAMPER		RECTANGULAR DUCT TRANSITION TO ROUND DUCT
2 3	VOLUME DAMPER (OPPOSED BLADE TYP.)	18x12	ACOUSTICALLY LINED DUCTWOR DIMENSIONS ARE CLEAR INSIDE
FD FD	FIRE DAMPER (WITH ACCESS DOORS UPSTREAM & DOWN STREAM OF DAMPER)	12x10	RECTANGULAR DUCT SIZE- FIRST # IS SIDE SHOWN
	MOTOR OPERATED DAMPER		OVAL DUCT SIZE- FIRST # IS SIDE SHOWN
++++++	FLEXIBLE DUCT		

DUCTWORK STANDARDS

PIPING SERVICE LEGEND

PIPING LINE DESIGNATIONS

PIPE SIZE — - SERVICE DESIGNATION

6" GS	<u>/</u>				
NEW	DESCRIPTION	EXISTING TO REMAIN	EXISTING TO BE REMOV		
یک کرد ا	A.C. REF. LIQUID	EL			
S	A.C. REF. SUCTION (VAPOR)	ES	-X- X-ES-		
	A.C. REG. HOT GAS	EHG ———	-XX -EHG-		
G	LP GAS PIPING	EG	-X EG-		
GS	GLYCOL SUPPLY	EGS	-XX - EGS -		
GR	GLYCOL RETURN	EGR	-XEGR-		
HWS	HOT WATER SUPPLY	EHWS	-XX -EHWS-		
	HOT WATER RETURN	EHWR	-XEHWR-		

GRILLE, REGISTERS, DIFFUSERS & AIRFLOW <u>ABBREV.</u> **DESIGNATION DESIGNATION** <u>NEW</u> **DESCRIPTION** <u>ABBREV.</u> EXHAUST GRILLE EG EA EXHAUST AIR **RETURN GRILLE** RG OA OUTDOOR AIR BALANCING VALVE SD SUPPLY DIFFUSER RA RETURN AIR LSD LINEAR SUPPLY DIFFUSER RLA RELIEF AIR CONTROL VALVE SG SUPPLY GRILLE SA SUPPLY AIR ΤG TRANSFER GRILLE TRIPLE DUTY VALVE SHUT-OFF VALVE BACKFLOW PREVENTER TYPICAL BOTTOM OF DUCT DIFFUSER DROP CHECK VALVE <u>SYMBOLS</u> **DESIGNATION** FLOW CONTROL VALVE SD-1 - DIFFUSER TAG WITH AIRFLOW XXX CFM (CUBIC FEET PER MINUTE) STRAINER W/DRAIN & HOSE CONN. - BOTTOM BRANCH TAKE-OFF (ALL AIR TERMINALS SHALL HAVE VOLUME CONTROL VALVE (3-WAY) DAMPER UNLESS OTHERWISE NOTED) PRESSURE RELIEF VALVE -TYPICAL CEILING DIFFUSER PRESSURE REDUCING -VALVE (WATER) XXX CFM (CUBIC FEET PER MINUTE) $-\square$ DIFFERENTIAL PRESSURE REGULATING VALVE - TYPICAL FLEX DUCT CONNECTION TO DIFFUSER 1 - ARROWS INDICATE DIRECTION OF BLOW FUEL OIL FUSIBLE SHUT-OFF **TYPICAL REGISTER/GRILLE** FLOW SWITCH CONTROL GROUP =√- SG-1 XXX CFM SUPPLY GRILLE /ORK -THERMOSTAT TEMPERATURE SENSOR CO2 CO2 WALL SENSOR II -----= EG-1 XXX CFM EXHAUST GRILLE HVAC SYSTEM EMERGENCY SHUT OFF SWITCH EQUIPMENT TAG LEGEND REFRIGERANT DETECTOR TAG **DESIGNATION** DRAIN-OFF VALVE ACCU-1 AIR-COOLED CONDENSING UNIT DESIGNATION UNION -----<u>AS-1</u> AIR SEPERATOR DESIGNATION <u>BS-1</u> BRANCH SELECTOR BOX DESIGNATION INCREASER OR DECREASER CONCENTRIC <u>CF-1</u> CIRCULATION FAN DESIGNATION CRAC-1 COMPUTER ROOM AIR CONDITIONING UNIT DESIGNATION INCREASER OR DECREASER ECCENTRIC <u>CU-1</u> AIR COOLED CONDENSING UNIT DESIGNATION <u>DC-1</u> DRY COOLER DESIGNATION DRIP LEG -<u>DS-1</u> DUCT SILENCER DESIGNATION /ED <u>ERU-1</u> ENERGY RECOVERY UNIT DESIGNATION <u>EF-1</u> EXHAUST FAN DESIGNATION AUTOMATIC AIR VENT <u>FC-1</u> FLUID COOLER DESIGNATION PIPE GUIDE <u>GH-1</u> GAS HEATER DESIGNATION <u>HC-1</u> HEATING COIL DESIGNATION PIPE ANCHOR <u>HP-1</u> HEAT PUMP DESIGNATION DIRECTION OF FLOW LOUVER DESIGNATION <u>L-1</u> <u>MAU-1</u> MAKEUP AIR UNIT DESIGNATION PIPE CAP PUMP DESIGNATION <u>P-1</u> ELBOW UP OR RISE <u>RF-1</u> RETURN FAN DESIGNATION <u>RTU-1</u> ROOFTOP UNIT DESIGNATION ELBOW DOWN OR DROP _____] <u>SF-1</u> SUPPLY FAN DESIGNATION <u>UH-1</u> UNIT HEATER DESIGNATION THERMOMETER <u>UV-1</u> UNIT VENTILATOR DESIGNATION <u>VH-1</u> VENTILATION HOOD DESIGNATION PRESSURE GAUGE _____ -----<u>IE-5-10</u> LWCO LOW WATER CUT-OFF ZONE

INDOOR EVAPORATOR UNIT HEATING AND VENTING SYMBOLS

MISCELL	ANEOUS	ABBRE\	IATIONS

BBREV.	DESIGNATION
A	ANCHOR
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
APD	AIR PRESSURE DROP
AWT	AVERAGE WATER TEMPERATURE
BD	BAROMETRIC DAMPER
BDD	BACKDRAFT DAMPER
BOS	BOTTOM OF STEEL
BTU	BRITISH THERMAL UNITS
BV	BRICK VENT
CD	COOLING CONDENSATE DRAINAGE
CEM	
D	
- DB	
FAT	
ECC	ECCENTRIC
FI	ELEVATION
EWT	
EΦ	
FC	
FD	
FLA	
GPM	GALLONS PER MINUTE
HP	HORSEPOWER
HVAC	
LI7	& AIR CONDITIONING
LWT	
MAX	
MBH	THOUSAND BRITISH THERMAL
	UNITS PER HOUR
MD	MANUAL DAMPER
MIN	MINIMUM
MOD	MOTOR OPERATED DAMPER
MV	MANUAL VENT
N.C.	NORMALLY CLOSED
PD	PRESSURE DROP
RIC	RUN IN COVER
RPM	REVOLUTIONS PER MINUTE
SP	STATIC PRESSURE
TOS	TOP OF STEEL
TV	TURNING VANES
TYP.	TYPICAL
V	VENT
VD	VOLUME DAMPER
W/	WITH
WB	WET BULB
E	EXISTING TO REMAIN
ER	EXISTING RELOCATED
RR	REMOVE & RELCOATE EXISTING
R	EXISTING TO BE REMOVED

GENERAL NOTES

- 1. ALL NEW SPACE THERMOSTATS SHALL BE MOUNTED 4'-0" ABOVE FINISHED FLOOR (AFF).
- 2. EQUIPMENT, DUCTWORK AND PIPING LOCATIONS SHOWN ARE APPROXIMATE EXCEPT WHERE DIMENSIONED. EXACT LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR TO AVOID INTERFERENCES.
- 3. FLEXIBLE CONNECTIONS SHALL BE PROVIDED BETWEEN MOTORIZED UNITS AND DUCTWORK CONNECTIONS.
- 4. PROVIDE ACCESS DOORS IN EQUIPMENT AND DUCTWORK FOR ACCESS TO DAMPERS, MOTORS, FILTERS, FANS AND ON BOTH SIDES OF HEATING COILS.
- 5. PIPING SHALL BE RUN AS DIRECT AS POSSIBLE, PARALLEL TO & FORMING RIGHT ANGLES TO THE LINES OF THE BUILDING, SUPPORTED FROM THE STRUCTURE, FREE FROM POCKETS & SAGS & PITCHED TO LOW POINT DRAINS.
- 6. LOCATE ALL VALVES FOR EASY ACCESS & OPERATION. DO NOT LOCATE VALVES W/STEMS BELOW HORIZONTAL.
- 7. ALL EXTERIOR WALL PENETRATIONS SHALL BE SEALED WEATHERTIGHT.
- 8. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURERS RECOMMENDATIONS.
- 9. DUCTWORK SHALL BE COORDINATED TO PREVENT ANY INTERFERENCES W/ PLUMBING, PIPING, ELECTRICAL, STRUCTURAL, FIRE PROTECTION, ARCHITECTURAL AND OTHER WORK.
- 10. ALL DUCT SIZES SHOWN ARE CLEAR INTERNAL DIMENSIONS.

11. CONTRACTOR TO FIELD VERIFY ALL EXISTING DUCT SIZES, PIPE SIZES, LOUVERS, ETC. INCLUDING LOCATIONS & ARRANGEMENTS OF SAME. COORDINATE NEW WORK WITH EXISTING CONDITIONS.

SECTION & DETAIL MARKERS

SECTION IDENTIFICATION (LETTER) SHEET CONTAINING SECTION DETAIL IDENTIFICATION (NUMBER) SHEET CONTAINING DETAIL

TECHNICAL NOTE- APPLIES ONLY TO SHEET IN WHICH IT APPEARS.

HVAC EQUIPMENT TAG IDENTIFICATION

NEW CONNECTION TO EXISTING

TEMPERATURE CONTROL PANEL

DUCT SMOKE DETECTOR

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<u>UH-1</u> 11.7 MBH

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SCALE:











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TAG	TAGSERVESTYPEMODELCFMESP IN-WCFAN RPMREQ'D BHPELECTRICAL								WEIGHT LBS.	NOTES		
								HP	VOLT	PHASE		
SF-1	VENTILATION AIR	SIDEWALL	AER-S20C-610-VG`	400	0.20	706	0.04	1/4	115	1	62	1, 2
SF-2	VENTILATION AIR	SIDEWALL	AER-S20C-610-VG`	400	0.20	706	0.04	1/4	115	1	62	1. 2
EF-1	GENERAL EXHAUST	SQUARE INLINE	SQ-80-VG	200	0.50	1550	0.05	1/10	115	1	43	1
EF-2	ELECTRICAL ROOM	SQUARE INLINE	SQ-80-VG	300	0.50	1550	0.05	1/10	115	1	43	1
DF-1	HITTING PAVILION	EXPOSED DESTRATIFICATION FAN	A-25-EC-STD-200-250-X	-	-	1,700	-	30 W	230	1	9	3, 4, 5
FAN SCHEDUL	AN SCHEDULE NOTES:											

1. BASED ON GREENHECK

2. PROVIDE FAN MOUNTING HOUSING AND HOUSING GUARD 3. BASED ON AIRIUS AIR PEAR

4. ECM MOTOR W/ VARIABLE SPEED 0-10V INPUT, OFF-WHITE FINISH 5. SEE PLANS FOR QUANTITIES



	UNIT REATER SUREDULE												
							FLUE	COMB.	WEIGUT	ELECTRICAL			
TAG	SERVES	MODEL	MBH	MBH	CFM	FUEL	SIZE IN.	SIZE IN.	LBS.	POWER	FLA	MCA	NOTES
GH-1	HITTING PAVILLION	UDZ-075	75	62	961	NAT GAS	4	4	77	120/1	4.3	15	1, 2, 3, 4
GH-2	HITTING PAVILLION	UDZ-075	75	62	961	NAT GAS	4	4	77	120/1	4.3	15	1, 2, 3, 4
UNIT HEA	TER SCHEDULE NOTES:												

1. BASED ON REZNOR

2. SEPARATED COMBUSTION, CONCENTRIC WALL TERMINATION KIT 3. TWO-STAGE GAS VALVE 4. STAINLESS STEEL HEAT EXCHANGER AND BURNERS

TAG	DESCRIPTION					
EG-1	EXHAUST AIR GRILLE					
EG-2	EXHAUST AIR GRILLE					
EG-3	EXHAUST AIR GRILLE					
DIFFUSER / GRILLE SCHEDULE NOTES:						
1. BASED ON PRICE						
2. PROVIDE WHITE FINISH						



LOUVER SCHEDULE									
SERVICE	SIZE (W x H)	MODEL	BLADE TYPE	FREE AREA SF	CFM	FPM	APD	NOTES	
VENTILATION AIR	28 " x 18"	ESD-435	DRAINABLE	1.31	400	300	0.01	1, 2, 3, 4	
VENTILATION AIR	28 " x 18"	ESD-435	DRAINABLE	1.31	400	300	0.01	1, 2, 3, 4	
VENTILATION AIR	28 " x 18"	ESD-435	DRAINABLE	1.31	400	300	0.01	1, 2, 3, 4	
VENTILATION AIR	28 " x 18"	ESD-435	DRAINABLE	1.31	400	300	0.01	1, 2, 3, 4	
GENERAL EXHAUST	16" x 12"	ESD-435	DRAINABLE	0.42	200	500	0.02	1, 2, 3, 4	
ELECTRICAL ROOM	16" x 12"	ESD-435	DRAINABLE	0.42	200	500	0.02	1, 2, 3, 4	
DULE NOTES:									

2. LOUVER BY DIV. 23, COORDINATE WITH ARCHITECTURAL ELEVATIONS. 3. PROVIDE CUSTOM COLOR AS SELECTED BY ARCHITECT

	ELECTRIC HEATERS SCHEDULE										
					ELEC	TRIC	DI	MENSION	٧S	WEICHT	NOTES
TAG	MODEL NUMBER	SERVES	WATTS	MOUTING	VOLTS	AMPS	L (IN)	W (IN)	H (IN)	(LB)	
EH-1	EF50277	DUGOUT	5,000	CEILING	277/1/60	20.8	40	9	10	14	1, 2
EH-2	931U01500N	BATHROOM	1,500	CEILING	277/1/60	5.8	16	22	2	26	3, 4, 5, 6
ELECTRIC I	LECTRIC HEATER SCHEDULE NOTES:										
1. BASED C	BASED ON INNOVA HEATING CO										

2. PROVIDE COLOR AS SELECTED BY ARCHITECT

3. BASED ON INDEECO 4. PROVIDE T BAR MOUNTING KIT

5. PROVIDE REMOTE THERMOSTAT 6. PROVIDE FACTORY MOUNTED ELECTRICAL DISCONNECT

DIFFUSER / GRILLE AND REGISTER SCHEDULE

NECK SIZE (W x H)	MAX CFM	SP (IN-WC)	THROW FT	NC	TYPE	MODEL	MOUNTING	NOTES
8 x 8	150	0.044	-	<15	45° DEFLECTION	530-F	SURFACE	1, 2
10 x 10	250	0.044	-	<15	45° DEFLECTION	530-F	SURFACE	1, 2
16 x 16	600	0.044	-	<20	45° DEFLECTION	530-F	SURFACE	1, 2

MINI SPLIT	SYSTEM AC	SCHEDULE

OLING				REFG. P	IPE CONN.				
PACITY TU/H)	CFM	VOLTS	MCA	LIQUID	SUCTION	WEIGHT	MODEL NO.	SERVES	
2,000	455	208/1	1.0	1/4	1/2	32	PKA-A12LA.TH	IT ROOM	
OLING PACITY	SEER	REFG		ELECTRICAL		WEIGHT	MODEL NO.	NOTES	
1U/H)			VOLTS	MCA	MAX FUSE				
2,000	21	R-410A	208/1	11.0	25	92	PUY-A24NHA7	1, 2, 3, 4, 5, 6	
	0750								
HEDULE N	UIES:								

3. FIELD INSTALLED, FACTORY PROVIDED CONDENSATE LIFT PUMP.



LEGEND:	
ALL DE	EVICES, FIXTURES, ETC. SHALL BE NEW UNLESS DESIGNATED WITH THE FOLLOWING TAGS: E EXISTING TO REMAIN ER EXISTING RELOCATED NR NEW TO REPLACE EXISTING IN EXISTING LOCATION R EXISTING TO BE REMOVED RR REMOVE AND RELOCATE EXISTING
X	CEILING MOUNTED EXIT SIGN - ARROW INDICATES DIRECTIVE ARROW ON SIGN
HXX	WALL MOUNTED EXIT SIGN - ARROW INDICATES DIRECTIVE ARROW ON SIGN EMERGENCY LIGHTING
	BATTERY PACK WITH EMERGENCY LAMPS AS SHOWN
1	REMOTE EMERGENCY LAMP LIGHT FIXTURES
S	WALL TOGGLE SWITCH - MOUNT AT 48" A.F.F TO CENTER - LETTER INDICATES SWITCH GROUP
÷	20 AMP DUPLEX CONVENIENCE RECEPTACLE
+	20 AMP QUADRAPLEX (DOUBLE DUPLEX)
۲	SPECIAL PURPOSE OUTLET OR EQUIPMENT CONNECTION - COORDINATE LOCATION AND TYPE OF CONNECTION WITH EQUIPMENT BEING SERVED.
J	JUNCTION BOX WITH COVER
\mathcal{O}'	MOTOR - SIZE AS INDICATED - COORDINATE W/ ACTUAL EQUIPMENT BEING SERVED
Sм	MANUAL STARTER - COORDINATE WITH EQUIPMENT BEING SERVED SINGLE THROW
	FUSED DISCONNECT SWITCH - NEMA ENCLOSURE AS REQUIRED REMOTE CONTROL
\boxtimes	MAGNETIC STARTER - COORDINATE W/ EQUIPMENT BEING SERVED
	FUSED DISCONNECT SWITCH / MAGNETIC STARTER - NOTES SAME AS ABOVE
Ŧ	GROUND
	CIRCUIT BREAKER
	BRANCH CIRCUIT RUN IN CEILING OR IN WALLS
	LOW VOLTAGE OR CONTROL WIRING - #12 MINIMUM OR AS NOTED
	MULTI-CONDUCTOR BRANCH CIRCUIT - NUMBER OF HASHMARKS IS NUMBER OF WIRES (NOT INCLUDING GROUND WIRE) WITHOUT HASHMARKS IS TWO WIRE
↔ ///	HOMERUN TO CIRCUIT AND PANEL INDICATED - NUMBER OF ARROWS IS NUMBER OF PHASE WIRES - NUMBER OF WIRES AS INDICATED ABOVE
←	INDICATES CIRCUIT HOMERUN

CONTINUATION OF CIRCUIT

PANELBOARD - SEE PANELBOARD SCHEDULE(S)

◄ DIRECTIVE ARROW

ABBREVIATIONS:

	AMPERES
F	
- - -	
.DG	
3 /T	
_G	CEILING
Г	CURRENT TRANSFORMER
N	DOWN
VG	DRAWING
/IERG	EMERGENCY
ΛT	ELECTRICAL METALLIC TUBING
QUIP	EQUIPMENT
۱.	FIRE ALARM
A	FIRE ALARM ANNUNCIATOR
CP_	FIRE ALARM CONTROL PANEL
-PE	FIRE ALARM SYSTEM POWER EXTENDER
N	FINISH, FINISHED
R	FLOOR
١D	GROUND
0	HORSEPOWER, HEAT PUMP
	JUNCTION BOX
/Α	KILO VOLT AMPS
V	KILOWATT(S)
G	LIGHTING
λ	MAXIMUM
N	MINIMUM
	NEW
2	ON CENTER
s/oi	OWNER SUPPLIED, OWNER INSTALLED ITEM
/C	POLYVINYL CHLORIDE
CEP	RECEPTACLE
EL	TELEPHONE
′Ρ	TYPICAL
3	UNDERGROUND
	VOLTS
	WATTS
G	WIRE GUARD
М	WIREMOLD

WEATHERPROOF

WP

		LI	GIIIII				IDALL		
TYPE	FIELD SERVED	MANUFACTURER CAT. NO.	POLE HEIGHT	FIXTURE MOUNTING HEIGHT	LUMENS PER FIXTURE	WATTS PER FIXTURE	FIXTURE QUANTITY	VOLT.	Ν
A1	SOFTBALL	MUSCO TLC-LED-1200 5700K 75CRI	- 90'	90'	136,000	1170W	7	480V	
		MUSCO TLC-BT-575 5700K 75CRI		30'	52,000	575W	1	480V	
A2	SOFTBALL	MUSCO TLC-LED-1200 5700K 75CRI	- 90'	90'	136,000	1170W	7	480V	
		MUSCO TLC-BT-575 5700K 75CRI		30'	52,000	575W	1	480V	
B1	SOFTBALL	MUSCO TLC-LED-600 5700K 75CRI	80'	80'	65,600	580W	2	480V	
		MUSCO TLC-LED-1500 5700K 75CRI		80'	160,000	1430W	7	480V	
		MUSCO TLC-BT-575 5700K 75CRI		30'	52,000	575W	2	480V	
B2	SOFTBALL	MUSCO TLC-LED-600 5700K 75CRI	80'	80'	65,600	580W	1	480V	
		MUSCO TLC-LED-1500 5700K 75CRI		80'	160,000	1430W	8	480V	
		MUSCO TLC-BT-575 5700K 75CRI		30'	52,000	575W	2	480V	
C1	SOFTBALL	MUSCO TLC-LED-1200 5700K 75CRI	70'	70'	136,000	1170W	5	480V	
		MUSCO TLC-LED-600 5700K 75CRI		70'	65,600	580W	1	480V	
		MUSCO TLC-BT-575 5700K 75CRI		20'	52,000	575W	2	480V	
C2	SOFTBALL AND FIELD HOCKEY - SHARED POLE - SOFTBALL SIDE	MUSCO TLC-BT-575 5700K 75CRI	70'	22'	52,000	575W	2	480V	THIS FIXTURE UTILIZES BACK TO
		MUSCO TLC-LED-1200 5700K 75CRI		70'	136,000	1170W	5	480V	
		MUSCO TLC-LED-600 5700K 75CRI		70'	65,600	580W	1	480V	
GENE	RAL NOTES:		1	1	1	1			

- PLANS.
- AS NECESSARY TO AVOID THIS CONDITION.

LIGHT FIXTURE SCHEDULE - SOFTBALL

1. MUSCO LIGHTS, POLES AND BASES FURNISHED BY OWNER. CONTRACTOR TO UNLOAD AND STORE UPON DELIVERY AND TAKE FULL OWNERSHIP. INSTALL COMPLETE LIGHTING SYSTEM.

GENERAL NOTES:

1. CONTRACTOR TO INSTALL ALL PATHWAYS AS INDICATED. COMMUNICATIONS WIRING PROVIDED BY OWNER. ELECTRICAL WIRING PROVIDED BY CONTRACTOR.

2. ALL WORK SHALL BE INSTALLED IN A NEAT AND WORKMAN LIKE MANNER, RECTILINEAR TO BUILDING STRUCTURE, AND IN ACCORDANCE WITH ALL APPLICABLE CODES, INCLUDING, BUT NOT LIMITED TO NFPA 70, 72, 90A, 101 AND DIRECTION OF AUTHORITY HAVING JURISDICTION.

3. EXACT LOCATION OF MECHANICAL EQUIPMENT THAT REQUIRES ELECTRICAL CONNECTION IS SHOWN ON THE MECHANICAL PLANS.

4. CONTRACTOR SHALL REVIEW ALL TRADES CONTRACT DOCUMENTS, AND FIELD VERIFY TO DETERMINE SPECIFIC MOUNTING LOCATIONS FOR ELECTRICAL EQUIPMENT AND CONDUITS.

5. COORDINATE ARRANGEMENT, MOUNTING, AND SUPPORT OF ELECTRICAL CONDUIT AND EQUIPMENT TO PROVIDE FOR EASE OF DISCONNECTING THE EQUIPMENT WITH MINIMUM INTERFERENCE TO OTHER INSTALLATIONS; TO ALLOW RIGHT OF WAY FOR PIPING INSTALLED

AT A REQUIRED SLOPE; AND SO CONNECTING RACEWAYS SHALL BE CLEAR OF OBSTRUCTIONS AND OF THE WORKING AND ACCESS SPACE OF OTHER EQUIPMENT. 6. RUN SEPARATE NEUTRAL WIRE FOR EACH DEDICATED BRANCH CIRCUIT SHOWN ON THE

7. DEVICES SHALL NOT BE INSTALLED BACK-TO-BACK IN ADJACENT ROOMS. ADJUST LOCATIONS

GENERAL DEMO NOTES:

- 1. ELECTRICAL CONTRACTOR SHALL REVIEW ALL TRADE'S DRAWINGS. AREAS NOTED TO BE DEMOLISHED ARE SHOWN ON ARCHITECTURAL PLANS. THIS SHALL INCLUDE ALL ELECTRICAL DEVICES, FIXTURES AND/OR SWITCHGEAR. ALL EXISTING EQUIPMENT SHALL REMAIN ON EXISTING SURFACES UNLESS SPECIFICALLY NOTED OTHERWISE.
- 2. WIRING FOR EXISTING BRANCH CIRCUIT DEVICES TO BE DEMOLISHED SHALL BE REMOVED BACK TO THE PANELBOARD. THE ASSOCIATED CIRCUIT BREAKER SHALL BE TURNED OFF AND MARKED AS SPARE IN THE PANELBOARD DIRECTORY. DO NOT ABANDON BRANCH CIRCUIT WIRING ABOVE CEILINGS OR IN WIREWAYS.
- 3. ALL RACEWAYS & CABLES, NO LONGER IN USE, SHALL BE REMOVED
- 4. MAINTAIN, OR RESTORE IF INTERRUPTED BY REMOVALS OR IN PATH OF NEW CONSTRUCTION, ALL CONDUITS, BRANCH CIRCUITS, AND FEEDERS PASSING THROUGH AND SERVING UNDISTURBED AREAS (SHOWN OR NOT SHOWN).
- 5. ALL EXISTING CONDUITS STUBBED THROUGH FLOOR SERVING ITEMS TO BE REMOVED (SHOWN OR NOT SHOWN) AND NOT REQUIRED TO BE REUSED SHALL BE CUT OFF FLUSH WITH THE SLAB DECK AND SEALED.
- 6. IN ANY AREA REQUIRING THE PERFORMANCE OF ANY TRADES WORK, THE ELECTRICAL CONTRACTOR SHALL CAREFULLY REMOVE AND STORE ANY ELECTRICAL ITEMS IN THE PATH OF WORK, REINSTALLING AND RECONNECTING SAME AS REQUIRED IN ACCORDANCE WITH THE PLANS AND/OR AS DIRECTED AFTER COMPLETION OF OTHER TRADES WORK IN THAT AREA.
- ENSURE REMOVAL OF ELECTRICAL DEVICES IN CONSTRUCTION AREA DOES NOT AFFECT ADJACENT AREAS.
- 8. ALL ELECTRICAL FIXTURES, DEVICES AND EQUIPMENT SHALL BE TURNED OVER TO THE OWNER. IF OWNER DOES NOT WISH TO KEEP ITEMS, THEY BECOME THE PROPERTY OF THE ELECTRICAL CONTRACTOR AND MUST BE REMOVED FROM THE SITE.

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NOTES		
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BACK MOUNTING CONFIGU	RATION	
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DJECT MANAGER: KCK S AWN BY: DVS	E001	
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19 20	
GENERAL NOTES:	
1. COORDINATE ALL ELECTRICAL REQUIREMEN MANUFACTURERS AS REQUIRED.	TS WITH
2. DO NOT RUN ANY ELECTRICAL FEEDS OR PA THROUGH THE FOOTPRINT OF THE FIELD.	THWAYS
3. COORDINATE WITH ARCHITECTURAL PLANS F EXACT LOCATIONS OF SPORTS FIELD EQUIPM	FOR MENT
TECHNICAL NOTES	R
PRECEPTACLE FURNISHED BY MUSCO. INSTAL CIRCUIT TO PANEL AS INDICATED.	L AND
RECEPTACLE FURNISHED BY MUSCO. INSTAL	L AND _
INDICATED.	e
SPROVIDE GFCI WP RECEPTACLES ON WALL A SHOWN. PROVIDE 2#6 AND 1#10GND IN 1"C T(AS INDICATED.	D PANEL
PROVIDE 2#2 AND 1#8GND IN 1-1/2"C FOR 20A SERVING SCOREBOARD A. PROVIDE 2#1/0 AN	CIRCUIT D
1#6GND IN 2"C FOR 30A CIRCUIT SERVING SCOREBOARD A SOUND SYSTEM. PROVIDE DISCONNECT. PROVIDE (1) SPARE 1" CONDUI	т WITH
PULLSTRING FROM SCOREBOARD A TO PRES FOR COMMUNICATIONS.	S BOX
5) PROVIDE (2) 4" CONDUIT FROM IT TO PRESSE UNIVERSITY A/V CONNECTION.	OX FOR
WIT HEATER. PROVIDE 2#8 AND 1#10GND IN PANEL AS INDICATED.	1"C TO
PROVIDE RECESSED JUNCTION BOX AT 60" A PROVIDE (1) 1" CONDUIT WITH PULL STRING F	FF. FOR DATA
TO IT AND ELEC ROOM.	OWER M
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SPORTS LIGHTING FEEDER SCHEDULH	H I
FEEDERPHASEGROUNDCOND SF-A13#121#121"	IZE
F-A2 3#12 1#12 1" F-B1 3#10 1#10 1" F-B2 3#8 1#10 1"	
F-C1 3#10 1#10 1" F-C2 3#8 1#10 1"	
PROPØUTILITY POLE	<u>озер</u> У
□→○ POLE MOUNT LIGHT □→ 分 WALL MOUNT LIGHT ✔	- &
ATHLETIC FIELD LIGHTING	дд иge — F
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University Of Maine Soccer, SOFTBALL 168 College Ave. Orono, ME 04469 JECT SITE ELEC - ATHLETIC FIELD - SOFTBALL IECT MONAGER: KCK MET INO.	AN 1" A



7 1 8 1 9	10 11 12 13	14 15 16 17 18
	PROVIDE PULL WIRE IN ALL CONDUITS	PROVIDE PULL WIRE IN ALL CONDUITS
	LOAM & SEED OTHER UNDER PVMT.	LOAM & SEED OTHER UNDER PVMT.
NEW HOT MIX ASPHALT O	BACKFILL WITH NEW HOT MIX ASPHALT GENERAL SITE FILL (COMPACT IN 8" LIETS)	BACKFILL WITH NEW HOT MIX ASPHALT GENERAL SITE FILL (COMPACT IN 8" LIETS)
8 1 1 1 1 1 1 1 1 1 1		
	CONDUIT. SEE SITE PLAN Image: Continuous in the second	
	COMPACTED SAND	COMPACTED SAND
		UNDISTURBED NATIVE SOIL
	6" Ø 6"	6" Ø Ø Ø 6"
	NO SCALE	NO SCALE
		14" 14" 14" 14" 1
		LOAM AND SEED (TYP)
		J14 NEW CONCRETE HAND HOLE
		NO SCALE
	E10	E14
		s v
		F
	A10	A14
1 7 1 <u>8</u> 1 9		14 15 16 17 18 C




LIGHTING CONTROL PANEL													
POLE	CIRCUIT DESCRIPTION	NUMBER OF FIXTURES	NUMBER OF DRIVERS	FLA	CONTACTOR SIZE (A)	CONTACTOR ID	ZONE						
A1	SOFTBALL	8	8	14.4	30	C1	1						
A2	SOFTBALL	8	8	14.4	30	C2	1						
B1	SOFTBALL	11	11	<mark>19.8</mark>	30	C3	1						
B2	SOFTBALL	11	11	20.5	30	C4	1						
C1	SOFTBALL	8	8	11.8	30	C5	1						
C2	SOFTBALL	8	8	13	30	C6	1						
C2	FIELD HOCKEY	14	14	26.2	30	C7	2						

DRY TYPE TRANSFORMER SCHEDULE (STEP DOWN)										
TAG	KVA	480V OVERCURRENT	208V OVERCURRENT	480V FEEDER (DELTA)	120/208V FEEDER (WYE)	GROUNDING (NOTE 5)				
T-SB1	75	150A-3P	250A-3P	3#1/0 & 1#6GND IN 1- 1/2"C	4#250KCMIL & 1#2GND IN 3"C	1#2 IN 3/4"C				
TRANSFORMER NOTES:										

1. BOND NEUTRAL OF TRANSFORMER SECONDARY TO THE TRANSFORMER CASE WITH BONDING JUMPER 2. GROUND THE CASING OF THE TRANSFORMER TO THE NEAREST AVAILABLE EFFECTIVELY GROUNDED WATER PIPE, STEEL AND OR GROUND ROD AS PER NEC 250.50 AND 250.52 3. ALL CONDUCTOR SIZES ARE FOR COPPER

4. SECONDARY OVERCURRENT PROTECTION SHALL BE LOCATED WITHIN TEN FEET OF THE TRANSFORMER SECONDARY TERMINALS 5. TRANSFORMER BONDING JUMPER AND GROUNDING ELECTRODE CONDUCTOR

PANEL					MDF)				
VOLTAGE: 480V		PHASES: 3	WIRE: 4						LOCATION: SOFTBALL ELEC ROOM	
600A MCB			FED F	FED FROM:						MOUNTING: SURFACE
SERVICE	KW	BRKR	NOTE	NO	PHASE	NO	NOTE	BRKR	KW	SERVICE
	25.0			1	А	2			6.7	
FIELD HOCKEY SERVICE - LIGHTING PANEL	25.0 3P400A			3 B	4		3P150 7.7	TRANSFORMER T-SB1 75KVA		
	25.0			5	С	6			8.8	
									42.6 3P400 40.8	
SPACE								3P400		SOFTBALL SERVICE - LPH1
								39.8		
				7	А	8				
TVSS SURGE PROTECTION		3P30		9	В	10		1	SPACE	
				11	С	12				
PANELBOARD NOTES:	•		•		•	•			•	•
1. PROVIDE HID RATED OR D-CURVE I	BREAK	ER.								

	LIGHT FIXTURE SCHEDULE										
TYPE	DESCRIPTION	SIZE	MANUFACTURER CAT. NO.	LENS/LOUVER	LAMPS (1)	DRIVER (1)	MINIMUM EFFICACY	WATTS PER FIXTURE	VOLT.	NOTES	
А	STRIP LIGHT	8'L	LITHONIA LIGHTING CSS L96 8000LM MVOLT 50K 80CRI	DIFFUSE ACRYLIC	LED		117	72	MVOLT		
A1	STRIP LIGHT	4'L	LITHONIA LIGHTING CSS L48 4000LM MVOLT 50K 80CRI	DIFFUSE ACRYLIC	LED		117	36	MVOLT		
В	EXTERIOR WALL PACK	14"L	ALUMILITE SE 55 50K R3 BK WG	GLASS	LED	0-10V DIMMING	111	55	MVOLT	PROVIDE FIXTURE WITH WIRE GUARD	
С	VANITY FIXTURE	4'L	PRECISION ARCHITECTURAL LIGHTING AS350-HO-K40-90-4-W-F01M-277V	TRANSMITTANCE ARCYLIC	LED		113	28	MVOLT		
FP1	POLE MOUNTED FLAG POLE FLOOD LIGHT		LUMENBEAN LBM277-57K-FL-WH-NO-UL-30FT-WH	ACRYLIC	LED	ON/OFF	88	28	277V	PROVIDE FIXTURE WITH PHOTOCELL	
	EMERGENCY BATTERY PACK W/ HEADS		LITHONIA LIGHTING ELM4L LLH LTP					1	120/277	REFER TO PLANS FOR QUANTITIES	

PANEL	LPH1										
VOLTAGE: 480V	PHASES: 3 WIRE: 4										
400A MCB			FED F	ROM:	MDP					MOL	
SERVICE	KW	BRKR	NOTE	NO	PHASE	NO	NOTE	BRKR	KW	SER	
	3.2	3P20		1	Α	2		-	3.2		
SITE LIGHT A1 ZONE 1-C1	3.2		1	3	В	4	1	3P20	3.2		
	3.2			5	С	6			3.2		
	4.5		1	7	Α	8		3P30	4.4		
SITE LIGHT B1 ZONE 1-C3	4.5	3P30		9	В	10	1		4.4		
	4.5			11	С	12	1		4.4		
	2.6	3P20		13	Α	14		1.1.1	2.9		
SITE LIGHT C1 ZONE 1-C5	2.6		1	15	В	16	1	3P20	2.9	1	
	2.6			17	С	18	1		2.9		
	5.8	3P40		19	Α	20		1P30	5.0		
SITE LIGHT C2 ZONE 1-C7	5.8		1	21	В	22		1P30	5.0		
	5.8			23	С	24		1P30	5.0		
	3.0			25	Α	26		1P30	5.0		
EXISTING FIELD PUMP	3.0	3P50	1	27	В	28		1P30	5.0		
	3.0			29	С	30		1P30	5.0		
		1.7.7		31	Α	32		1P20	3.0		
SPACE				33	В	34		1P20	1.2		
				35	С	36		1P20	0.2		
		100		37	Α	38					
SPACE				39	В	40			-	1	
				41	С	42				1	

NEW PANEL	LPL1										
VOLTAGE: 120/208V	PHASES: 3 WIRE: 4									LOC	
250A MCB	FED FROM: T-SB1 VIA MDP										
SERVICE	KW	BRKR	NOTE	NO	PHASE	NO	NOTE	BRKR	KW	SER	
CONTROL POWER TO LIGHT. CTRL PNL	0.5	1P20		1	Α	2		1P20	1.1.	SPA	
PRIMARY SCOREBOARD	0.8	1P20		3	В	4		1P20	1.1	SPA	
PRIMARY SOUND SYSTEM	1.8	1P30		5	С	6		1P20		SPA	
	1.5 2P20			7	Α	8		1P20	2.0	DWH	
SNOW MELT SYSTEM	1.5 2P20	2P20		9	В	10		1P20	0.2	BMS	
GH-1	0.5	1P20		11	С	12		1P20	0.5	GH-2	
HITTING PAV RECEPTACLES	0.7	1P20		13	Α	14		1P20	0.4	SF-1	
SF-1	0.4	1P20		15	В	16		1P20	0.2	WAT	
BATHROOM RECPS AND EF-1	1.0	1P20		17	С	18		1P20	0.3	BATH	
HOME TEAM RECEPTS	0.8	1P20		19	Α	20		1P20	0.8	VISIT	
IT CLOSET - QUAD	0.4	1P20		21	В	22		1P20	0.2	ELEC	
IT CLOSET - QUAD	0.4	1P20		23	С	24		1P20	0.3	ELEC	
SPARE		1P20		25	A	26		00.05	1	1000	
SPARE		1P20		27	В	28		2P20		ACCI	
SPARE		1P20		29	С	30		1P20		SPA	
SPARE		1P20		31	Α	32		1P20	1	SPA	
SPARE		1P20		33	В	34		1P20		SPA	
SPARE		1P20		35	С	36		1P20		SPA	
SPARE		1P20		37	Α	38		1P20		SPA	
SPARE		1P20		39	В	40		00400	4.0		
SPARE		1P20		41	С	42		2P100	4.0		

