New Bertie High School

Bertie County Schools

716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

Hite associates
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2600 Meridian Drive / Greenville, N.C. 27834 / tel 252-757-0333

CIVIL ENGINEERING CONSULTANT:

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P.O. Box 2792 Winterville, North Carolina 28590 tel (252) 714-3002

USA
UNITARY SYSTEMS APPROACH

STRUCTURAL CONSULTANT:

JDA ENGINEERS, P.A.
1019 Passport Way Cary, North Carolina 27513 tel (919) 677-3004

ARCHITECTURAL PART TWO - FOOD SERVICE - STRUCTURAL - FIRE

2 OF 3

RECORD DRAWING

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ABBREVIATIONS

AFF	ABOVE FINISH FLOOR	INV	INVERT
L	ANGLE	JT	JOINT
AB	ANCHOR BOLT	LAV	LAVATORY
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B/B	BACK TO BACK (CURB)	MAX	MAXIMUM
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DRAWING SYMBOLS

DRAWING IDENTIFICATION MARKERS





SECTION MARKER



ELEVATION (DRAWINGS)



DOOR MARKER/NUMBER

HIDDEN LINE OR ABSTRACT LINE

LINE ABOVE

CENTERLINE

MATERIAL SYMBOLS

EARTH

SAND

MORTAR OR GROUT

CONCRETE

BRICK

CONCRETE MASONRY UNIT

STEEL

ROUGH WOOD (CONTINUOUS)

ROUGH WOOD (INTERMITTENT)

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BATT OR BLOWN INSULATION

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METAL STUD / GYPBOARD WALL

Drawing Index One of Three:
PROJECT DATA - CIVIL - ARCHITECTURAL PART ONE

PROJECT DATA

T-1	INDEX ONE OF THREE: PROJECT DATA - CIVIL / ARCHITECTURAL PART ONE
T-2	INDEX TWO OF THREE: ARCHITECTURAL PART TWO / FOOD SERVICE / STRUCTURAL
T-3	INDEX THREE OF THREE: PLUMBING / MECHANICAL / ELECTRICAL
BCS-100	BUILDING CODE DATA - ADMIN / MEDIA BUILDING
BCS-200	BUILDING CODE DATA - CLASSROOM BUILDING
BCS-300	BUILDING CODE DATA - GYMNASIUM BUILDING
BCS-400	BUILDING CODE DATA - THEATER BUILDING
FRA-001	FIRE RATED ASSEMBLY DATA
FRA-002	FIRE RATED ASSEMBLY DATA
LS-001	LIFE SAFETY PLAN - FIRST FLOOR

CIVIL DRAWINGS

C-001	OVERALL SITE PLAN
C-101	SITE GEOMETRY PLAN
C-201	SITE GRADING AND EROSION CONTROL PLAN
C-202	SITE GRADING AND EROSION CONTROL PLAN
C-301	SITE STRUCTURES DETAILS
C-302	SITE EROSION CONTROL DETAILS
C-303	SITE EROSION CONTROL DETAILS
C-304	WET DETENTION POND DETAILS
C-305	CONCRETE DETAILS
C-306	SIGNAGE AND MISC DETAILS
C-307	WATERLINE SERVICE DETAILS
C-308	WATERLINE SERVICE DETAILS
C-401	ROAD AND DRIVE SECTIONS
C-601	SANITARY SEWER PLAN AND PROFILE

ARCHITECTURAL DRAWINGS

A-001	OVERALL FIRST FLOOR PLAN
A-002	OVERALL EQUIPMENT PLATFORM PLAN
A-003	ROOF PLAN / ROOF DRAINAGE PLAN
A-004	ROOF DETAILS
A-005	ROOF DETAILS
A-101	ADMINISTRATION / MEDIA CENTER FLOOR PLAN
A-102	ADMINISTRATION / MEDIA CENTER EQUIPMENT PLATFORM PLAN
A-103	ADMINISTRATION / MEDIA CENTER REFLECTED CEILING PLAN
A-104	INTERIOR ELEVATIONS / ADMINISTRATION
A-105	INTERIOR ELEVATIONS / MEDIA CENTER
A-106	INTERIOR ELEVATIONS / MEDIA CENTER
A-107	ENLARGED GRAPHICS & ELECTRONICS CLASSROOM / INTERIOR ELEVATIONS
A-108	ENLARGED TOILET PLANS / INTERIOR ELEVATIONS
A-201	PARTIAL CLASSROOM WING FLOOR PLAN
A-202	PARTIAL CLASSROOM WING FLOOR PLAN
A-203	ALTERNATE CLASSROOM FLOOR PLAN
A-204	CLASSROOM EQUIPMENT PLATFORM PLAN
A-205	CLASSROOM EQUIPMENT PLATFORM PLAN
A-206	ALTERNATE CLASSROOM EQUIPMENT PLATFORM PLAN
A-207	CLASSROOM WING REFLECTED CEILING PLAN
A-208	CLASSROOM WING REFLECTED CEILING PLAN
A-209	ALTERNATE CLASSROOM WING REFLECTED CEILING PLAN
A-210	ENLARGED GENERAL CLASSROOM / INTERIOR ELEVATIONS
A-211	ENLARGED ART CLASSROOM / INTERIOR ELEVATIONS
A-212	ENLARGED SCIENCE CLASSROOM / INTERIOR ELEVATIONS
A-213	ENLARGED SCIENCE CLASSROOM / INTERIOR ELEVATIONS
A-214	ENLARGED FOOD LAB / INTERIOR ELEVATIONS
A-215	ENLARGED TOILET PLANS / INTERIOR ELEVATIONS
A-216	ENLARGED SCIENCE CLASSROOM / INTERIOR ELEVATIONS
A-301	GYMNASIUM / LOBBY FLOOR PLAN
A-302	GYMNASIUM / LOCKER ROOM FLOOR PLAN
A-303	GYMNASIUM / LOBBY EQUIPMENT PLATFORM PLAN
A-304	GYMNASIUM / LOCKER ROOM EQUIPMENT PLATFORM PLAN
A-305	GYMNASIUM / LOBBY REFLECTED CEILING PLAN
A-306	GYMNASIUM / LOCKER ROOM REFLECTED CEILING PLAN
A-307	INTERIOR ELEVATIONS: LOBBY
A-308	INTERIOR ELEVATIONS: GYMNASIUM
A-309	INTERIOR ELEVATIONS: LOCKER ROOM
A-310	ENLARGED TOILETS / INTERIOR ELEVATIONS
A-311	ENLARGED TOILETS / INTERIOR ELEVATIONS
A-312	ENLARGED TOILETS / INTERIOR ELEVATIONS
A-401	THEATER FLOOR PLAN
A-402	KITCHEN / CAFETERIA FLOOR PLAN
A-403	THEATER EQUIPMENT PLATFORM PLAN
A-404	KITCHEN / CAFETERIA EQUIPMENT PLATFORM PLAN
A-405	THEATER REFLECTED CEILING PLAN
A-406	KITCHEN / CAFETERIA REFLECTED CEILING PLAN
A-407	INTERIOR ELEVATIONS: LOBBY / CONCESSION
A-408	INTERIOR ELEVATIONS: THEATER
A-409	INTERIOR ELEVATIONS: THEATER
A-410	INTERIOR ELEVATIONS: BAND
A-411	ENLARGED TOILETS / INTERIOR ELEVATIONS
A-500	OVERALL EXTERIOR ELEVATIONS
A-501	ADMINISTRATION / MEDIA CENTER EXTERIOR ELEVATIONS
A-502	CLASSROOM WING EXTERIOR ELEVATIONS
A-503	CLASSROOM WING EXTERIOR ELEVATIONS
A-504	GYMNASIUM EXTERIOR ELEVATIONS
A-505	GYMNASIUM EXTERIOR ELEVATIONS
A-506	THEATER EXTERIOR ELEVATIONS
A-507	THEATER EXTERIOR ELEVATIONS
A-601	ROOM FINISH SCHEDULES
A-602	DOOR SCHEDULES
A-603	DOOR SCHEDULES
A-701	DOOR ELEVATIONS
A-702	INTERIOR DOOR DETAILS
A-703	EXTERIOR DOOR DETAILS
A-704	WINDOW DETAILS
A-705	COLUMN DETAILS

1 OF 3

No.	Date	Revision

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RECORD DRAWING

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Project No. 21131

Date: 28 March 2012

Drawing no. T 1

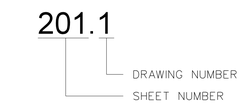
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Drawing Index Two of Three:
ARCHITECTURAL PART TWO - FOOD SERVICE - STRUCTURAL - FIRE

WALL SECTIONS

A-001	OVERALL FIRST FLOOR PLAN
A-801	BUILDING SECTION: CLASSROOM BUILDING
A-802	WALL SECTION: TYPICAL CLASSROOM
A-803	WALL SECTION: CLASSROOM CORRIDOR
A-804	WALL SECTION: TYPICAL CLASSROOM PARTITION
A-805	WALL SECTION: CLASSROOM TOILETS
A-806	WALL SECTION: ADMINISTRATION
A-807	WALL SECTION: ADMINISTRATION ENDWALL
A-808	WALL SECTION: ADMINISTRATION ENTRY
A-809	WALL SECTION: ADMINISTRATION ENTRY
A-810	WALL SECTION: ADMINISTRATION LOBBY
A-811	WALL SECTION: ADMINISTRATION TOILETS
A-812	BUILDING SECTION: GYMNASIUM
A-813	WALL SECTION: GYMNASIUM
A-814	WALL SECTION: LOCKER ROOM
A-815	WALL SECTION: CORRIDOR
A-816	WALL SECTION: GYMNASIUM CORRIDOR ENTRY
A-817	WALL SECTION: BOILER ROOM
A-818	WALL SECTION: ENDWALL
A-819	WALL SECTION: GYMNASIUM TOILETS
A-820	WALL SECTION: STUDENT TOILETS
A-821	WALL SECTION: GYMNASIUM LOBBY ENTRANCE
A-822	WALL SECTION: GYMNASIUM LOBBY
A-823	WALL SECTION: EQUIPMENT PLATFORM ACCESS STAIRS
A-824	BUILDING SECTION: AUDITORIUM
A-825	WALL SECTION: THEATER
A-826	WALL SECTION: THEATER
A-827	WALL SECTION: PROJECTION LOFT
A-828	WALL SECTION: PLATFORM ACCESS STAIRS
A-829	WALL SECTION: BAND ROOM / STAGE OVERHEAD DOOR
A-830	WALL SECTION: CORRIDOR
A-831	WALL SECTION: KITCHEN
A-832	WALL SECTION: KITCHEN CORRIDOR
A-833	WALL SECTION: CAFETERIA
A-834	WALL SECTION: KITCHEN EQUIPMENT PLATFORM ACCESS STAIRS
A-835	WALL SECTION: THEATER TOILETS
A-836	WALL SECTION: THEATER ENTRY
A-837	WALL SECTION: COVERED WALK
A-838	WALL SECTION: PLATFORM STEPS
A-901	MILLWORK SECTIONS
A-902	MILLWORK SECTIONS
A-903	MILLWORK SECTIONS
A-904	MILLWORK SECTIONS
A-905	MILLWORK SECTIONS

FOOD SERVICE

K-101	ENLARGED KITCHEN PLAN
K-102	KITCHEN EQUIPMENT SCHEDULE
K-103	KITCHEN DETAILS

STRUCTURAL DRAWINGS

S-101	FOUNDATION PLAN
S-102	PLATFORM FRAMING PLAN
S-103	ROOF FRAMING PLAN
S-201	FOUNDATION PLAN
S-202	FOUNDATION PLAN
S-203	PLATFORM FRAMING PLAN
S-204	PLATFORM FRAMING PLAN
S-205	ROOF FRAMING PLAN
S-206	ROOF FRAMING PLAN
S-301	FOUNDATION PLAN
S-302	FOUNDATION PLAN
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S-304	PLATFORM FRAMING PLAN
S-305	ROOF FRAMING PLAN
S-306	ROOF FRAMING PLAN
S-401	FOUNDATION PLAN
S-402	FOUNDATION PLAN
S-403	PLATFORM FRAMING PLAN
S-404	PLATFORM FRAMING PLAN
S-405	ROOF FRAMING PLAN
S-406	ROOF FRAMING PLAN
S-1101	DETAILS
S-1102	DETAILS
S-1103	DETAILS
S-1104	DETAILS
S-1105	DETAILS
S-1106	DETAILS
S-1107	DETAILS
S-1108	DETAILS
S-1109	DETAILS
S-1110	DETAILS
S-1201	GENERAL NOTES

FIRE SPRINKLER DRAWINGS

FS-001	FIRE SPRINKLER DETAILS / GENERAL NOTES / LEGEND
FS-101	SECOND FLOOR FIRE SPRINKLER PLAN
FS-102	ADMINISTRATION EQUIPMENT PLATFORM FIRE SPRINKLER PLAN
FS-201	CLASSROOM WING FIRE SPRINKLER PLAN
FS-202	CLASSROOM WING EQUIPMENT PLATFORM FIRE SPRINKLER PLAN
FS-203	CLASSROOM WING FIRE SPRINKLER PLAN
FS-204	CLASSROOM WING EQUIPMENT PLATFORM FIRE SPRINKLER PLAN
FS-205	ALTERNATE CLASSROOM WING FIRE SPRINKLER PLAN
FS-206	ALTERNATE CLASSROOM WING EQUIPMENT PLATFORM FIRE SPRINKLER PLAN
FS-301	GYMNASIUM FIRE SPRINKLER PLAN
FS-302	GYMNASIUM EQUIPMENT PLATFORM FIRE SPRINKLER PLAN
FS-303	GYMNASIUM FIRE SPRINKLER PLAN
FS-304	GYMNASIUM EQUIPMENT PLATFORM FIRE SPRINKLER PLAN
FS-401	THEATER FIRE SPRINKLER PLAN
FS-402	THEATER EQUIPMENT PLATFORM PLUMBING PLAN
FS-403	KITCHEN CAFETERIA FIRE SPRINKLER PLAN
FS-404	KITCHEN CAFETERIA EQUIPMENT PLATFORM FIRE SPRINKLER PLAN

FIRE PROTECTION DRAWINGS

FP-001	FIRESTOP PENETRATION DETAILS

2 OF 3

No.	Date	Revision

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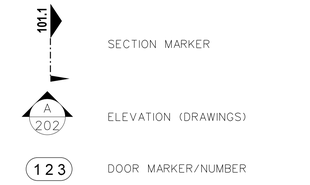
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MATERIAL SYMBOLS

Drawing Index Three of Three:
PLUMBING - HVAC - ELECTRICAL - TECHNOLOGY

PLUMBING DRAWINGS

P-001	PLUMBING SITE PLAN / GENERAL NOTES / LEGEND / DETAILS
P-002	PLUMBING SCHEDULES / DETAILS
P-003	PLUMBING DETAILS
P-004	PLUMBING DETAILS
P-101	ADMINISTRATION PLUMBING FLOOR PLAN
P-102	ADMINISTRATION EQUIPMENT PLATFORM PLUMBING PLAN
P-103	ADMINISTRATION ENLARGED PLUMBING PLAN
P-201	CLASSROOM WING PLUMBING FLOOR PLAN 1
P-202	CLASSROOM WING EQUIPMENT PLATFORM PLUMBING PLAN 1
P-203	CLASSROOM WING PLUMBING FLOOR PLAN 2
P-204	CLASSROOM WING EQUIPMENT PLATFORM PLUMBING PLAN 2
P-205	ALTERNATE CLASSROOM WING PLUMBING FLOOR PLAN
P-206	ALTERNATE CLASSROOM WING EQUIPMENT PLATFORM PLUMBING PLAN
P-207	CLASSROOM WING ENLARGED PLUMBING PLAN
P-301	GYMNASIUM PLUMBING FLOOR PLAN 1
P-302	GYMNASIUM EQUIPMENT PLATFORM PLUMBING PLAN 1
P-303	GYMNASIUM PLUMBING FLOOR PLAN 2
P-304	GYMNASIUM EQUIPMENT PLATFORM PLUMBING PLAN 2
P-305	GYMNASIUM ENLARGED PLUMBING PLAN
P-306	GYMNASIUM PLUMBING DWV AND SUPPLY RISERS
P-307	GYMNASIUM PLUMBING DWV AND SUPPLY RISERS
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P-405	KITCHEN CAFETERIA ENLARGED PLUMBING PLAN
P-406	KITCHEN CAFETERIA DWV AND SUPPLY RISERS

MECHANICAL DRAWINGS

M-001	HVAC CONTROL DIAGRAMS
M-002	HYDRONIC HEATING FLOW AND CONTROL DIAGRAMS
M-003	HYDRONIC CHILLED WATER FLOW AND CONTROL DIAGRAM
M-004	HVAC SCHEDULES
M-005	HVAC SCHEDULES
M-006	CHILLER YARD PLAN
M-101	ADMINISTRATION HVAC FLOOR PLAN
M-102	ADMINISTRATION EQUIPMENT PLATFORM PIPING PLAN
M-201	CLASSROOM WING HVAC FLOOR PLAN 1
M-202	CLASSROOM WING EQUIPMENT PLATFORM PIPING PLAN 1
M-203	CLASSROOM WING HVAC FLOOR PLAN 2
M-204	CLASSROOM WING EQUIPMENT PLATFORM PIPING PLAN 2
M-205	ALTERNATE CLASSROOM WING HVAC FLOOR PLAN
M-206	ALTERNATE CLASSROOM WING EQUIPMENT PLATFORM PIPING PLAN
M-301	GYMNASIUM HVAC FLOOR PLAN 1
M-302	GYMNASIUM EQUIPMENT PLATFORM PIPING PLAN 1
M-303	GYMNASIUM HVAC FLOOR PLAN 2
M-304	GYMNASIUM EQUIPMENT PLATFORM PIPING PLAN 2
M-305	ENLARGED BOILER ROOM / DETAILS
M-306	HVAC SECTION
M-401	THEATER HVAC FLOOR PLAN
M-402	THEATER EQUIPMENT PLATFORM PIPING PLAN
M-403	KITCHEN CAFETERIA HVAC FLOOR PLAN
M-404	KITCHEN CAFETERIA EQUIPMENT PLATFORM PIPING PLAN

ELECTRICAL DRAWINGS

E-001	ELECTRICAL SITE PLAN
E-002	LEGEND / SCHEDULES / DETAILS
E-003	POWER RISER
E-101	ADMINISTRATION / MEDIA CENTER POWER PLAN
E-102	ADMINISTRATION / MEDIA CENTER LIGHTING / FIRE ALARM PLAN
E-103	ADMINISTRATION / MEDIA CENTER EQUIPMENT PLATFORM POWER PLAN
E-104	ADMIN / MEDIA CENTER EQUIPMENT FLOOR LIGHTING / FIRE ALARM PLAN
E-201	FIRST FLOOR CLASSROOM POWER PLAN
E-202	FIRST FLOOR CLASSROOM LIGHTING / FIRE ALARM PLAN
E-203	FIRST FLOOR CLASSROOM EQUIPMENT PLATFORM POWER PLAN
E-204	FIRST FLOOR CLASSROOM EQUIPMENT FLOOR LIGHTING / FIRE ALARM PLAN
E-205	FIRST FLOOR CLASSROOM POWER PLAN
E-206	FIRST FLOOR CLASSROOM LIGHTING / FIRE ALARM PLAN
E-207	FIRST FLOOR CLASSROOM EQUIPMENT PLATFORM POWER PLAN
E-208	FIRST FLOOR CLASSROOM EQUIPMENT FLOOR LIGHTING / FIRE ALARM PLAN
E-209	FIRST FLOOR CLASSROOM POWER PLAN
E-210	FIRST FLOOR CLASSROOM LIGHTING / FIRE ALARM PLAN
E-211	FIRST FLOOR CLASSROOM EQUIPMENT PLATFORM POWER PLAN
E-212	FIRST FLOOR CLASSROOM EQUIPMENT FLOOR LIGHTING / FIRE ALARM PLAN
E-301	GYMNASIUM POWER PLAN / EQUIPMENT PLATFORM POWER PLAN
E-302	GYMNASIUM LIGHTING / FIRE ALARM PLAN / EQUIPMENT PLATFORM LIGHTING / FIRE ALARM PLAN
E-303	LOCKER ROOM POWER PLAN / EQUIPMENT PLATFORM POWER PLAN
E-304	GYMNASIUM / LOCKER ROOM LIGHTING / FIRE ALARM PLAN / EQUIPMENT PLATFORM LIGHTING / FIRE ALARM PLAN
E-305	ENLARGED BOILER ROOM / CHILLER YARD POWER PLAN
E-401	THEATER FLOOR PLAN POWER PLAN / EQUIPMENT PLATFORM POWER PLAN
E-402	THEATER FLOOR PLAN FIRE ALARM PLAN / EQUIPMENT PLATFORM LIGHTING / FIRE ALARM PLAN
E-403	KITCHEN / CAFETERIA POWER PLAN / EQUIPMENT PLATFORM POWER PLAN
E-404	KITCHEN / CAFETERIA FIRE ALARM PLAN / EQUIPMENT PLATFORM LIGHTING / FIRE ALARM PLAN
E-405	ENLARGED KITCHEN POWER PLAN
E-406	THEATER LIGHTING / SCHEDULES / DETAILS
IC-001	OVERALL ICS PLAN / GENERAL NOTES / LEGEND
IC-002	UTILITY PLATFORM ICS PLAN
IC-003	TELECOMMUNICATIONS SYSTEMS RISERS & DETAILS
IC-004	TELECOMMUNICATIONS SYSTEMS RISERS & DETAILS
IC-101	100 BLDG ICS PLAN
IC-201	200 BLDG ICS PLAN
IC-202	200 BLDG ICS PLAN
IC-203	200 BLDG ICS PLAN
IC-301	300 BLDG ICS PLAN
IC-302	300 BLDG ICS PLAN
IC-401	400 BLDG ICS PLAN
IC-402	400 BLDG ICS PLAN

3 OF 3

No.	Date	Revision

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ARCHITECTURE / ENGINEERING / TECHNOLOGY
2600 Meridian Drive / Greenville, NC 27834 / tel (252) 757-0333

HITE ASSOCIATES, P.C. ARCHITECTURAL CORPORATION REGISTERED CORPORATE NUMBER C-1418 GREENVILLE, N.C.

RECORD DRAWING

New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

RECORD DRAWING

Project No. 21131
Date 28 March 2012
Drawing no. T 3

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Gross Square Footages

Total Building First Floor: 131,706 square feet

Alternate Bid (4 CR + Toilets): 6,361 square feet

Alternate Bid (4 CR): 4,497 square feet

Alternate Bid (4 CR): 4,499 square feet

Total : 147,063 square feet

Net Square Footages

Total Building First Floor (base bid): 127,468 square feet

Total Building First Floor (alt. bid): 14,848 square feet

Total : 142,316 square feet

Alternate Classroom Wing Sheet A-203

Kitchen / Cafeteria Sheet A-402

Locker Rooms Sheet A-302

Classroom Wing Sheet A-201

Classroom Wing Sheet A-202

Gymnasium Sheet A-301

Theater Sheet A-401

Administration / Media Center / Student Services Sheet A-101

001.1 OVERALL FLOOR PLAN
SCALE: 1" = 20'-0"

Note: All dimensions are to face of CMU walls.

No.	Date	Revision

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HITE ASSOCIATES, P.C. CORPORATE NUMBER 418 GREENVILLE

RECORD DRAWING

New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

RECORD DRAWING

Project No.	21131
Date:	28 March 2012
Drawing no.	A 001

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General Notes for Wall Sections

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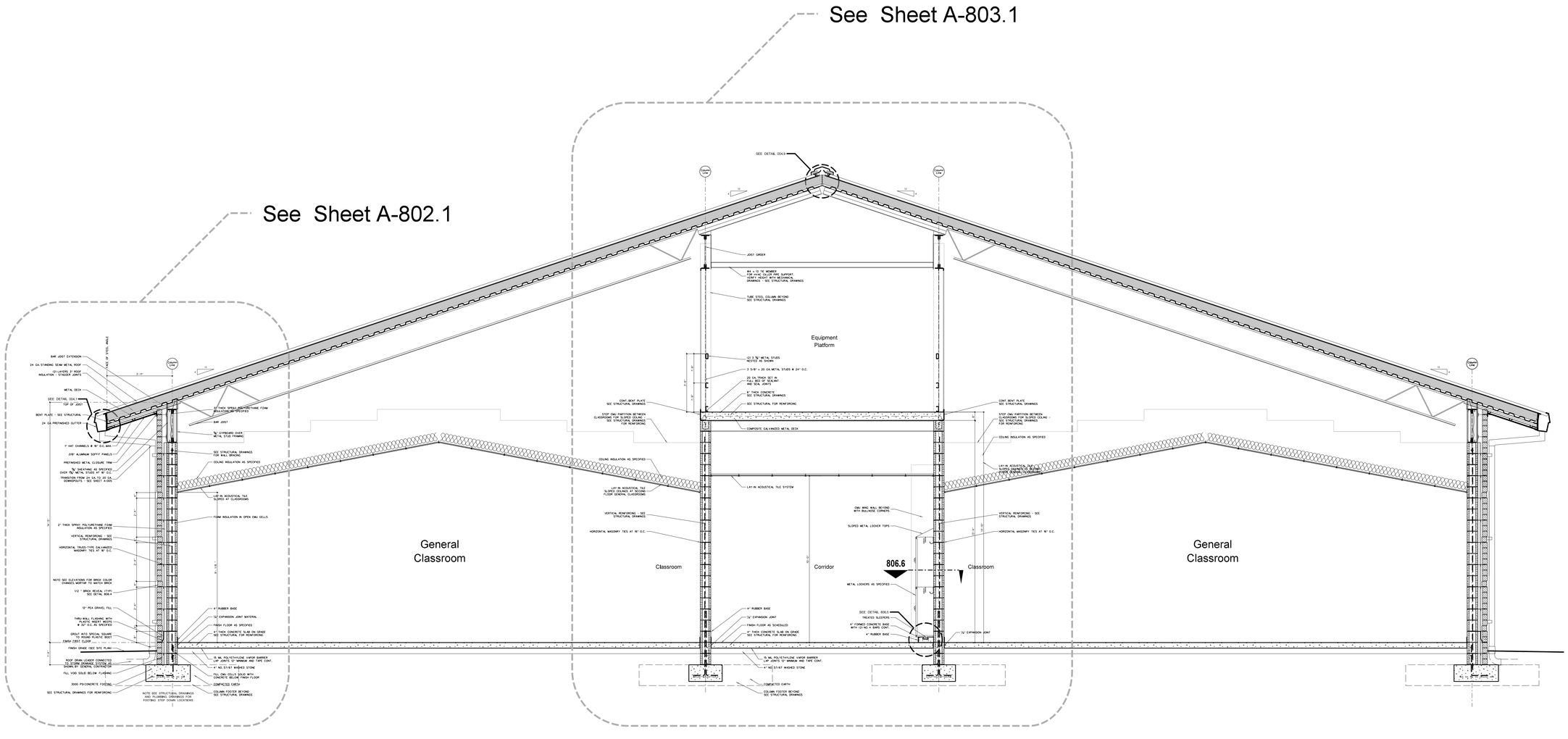
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801.1 BUILDING SECTION: 2 STORY CLASSROOM

SCALE: 3/8" = 1'-0"

No.	Date	Revision

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HITE ASSOCIATES, P.C. ARCHITECTURAL CORPORATION LICENSED LICENSE NUMBER 4418 STATE OF NORTH CAROLINA GREENVILLE

RECORD DRAWING

New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

RECORD DRAWING

Project No. 21131

Date: 28 March 2012

Drawing no. A 801

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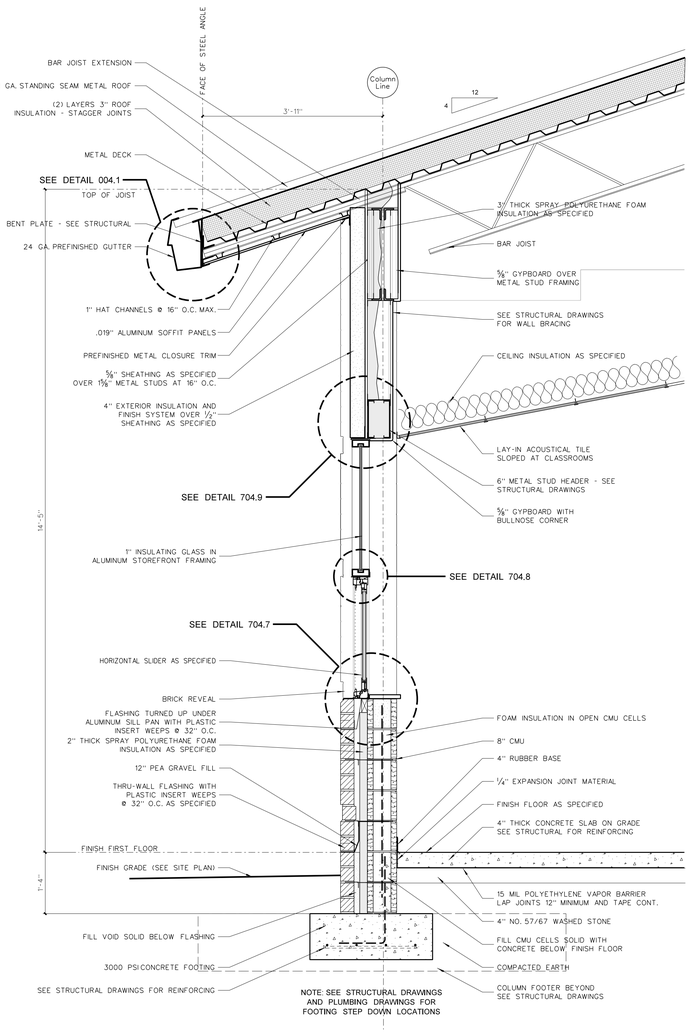
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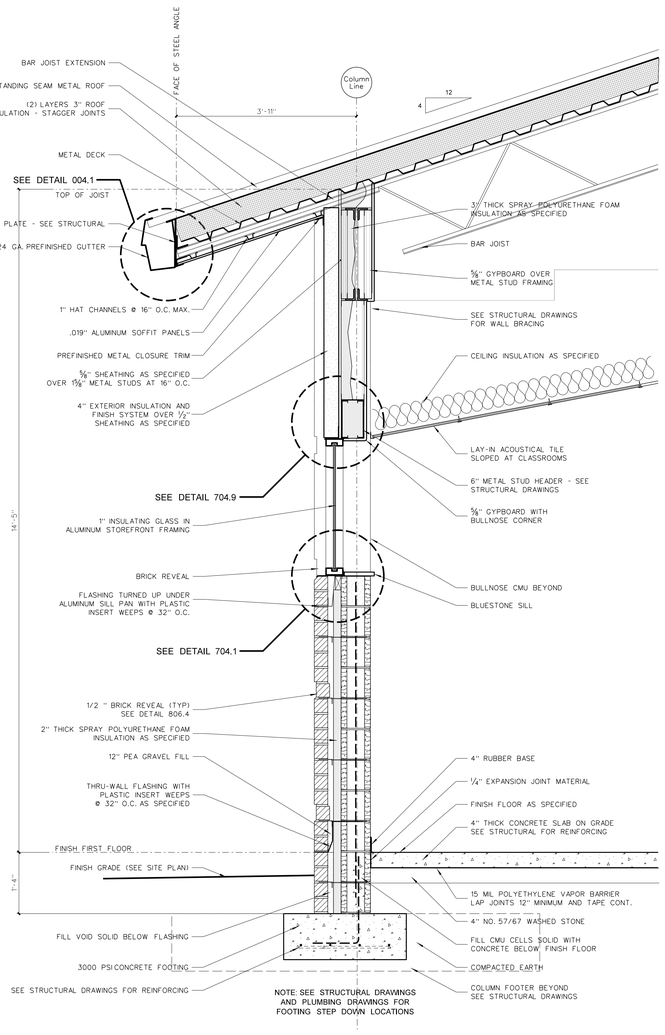
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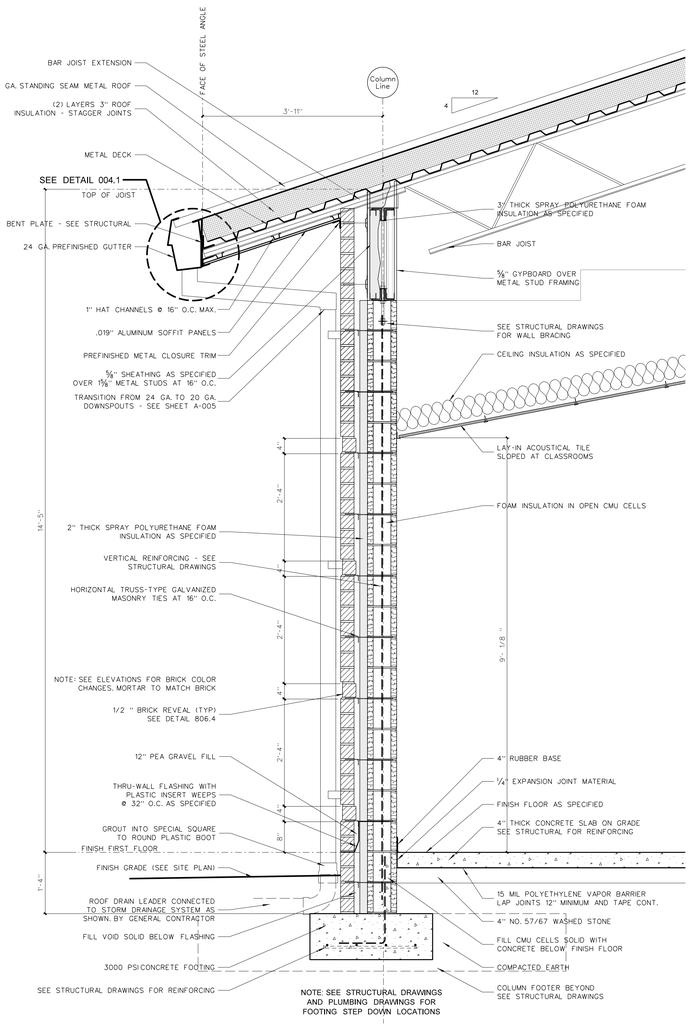
(16) PAINT ALL EXPOSED PVC BOOTS AND ROOF DRAIN LEADERS AT GUTTER RDL TRANSITION TO MATCH METAL GUTTER.



802.3 WALL SECTION: CLASSROOM WINDOW
SCALE: 3/4" = 1'-0"



802.2 WALL SECTION: CLASSROOM WINDOW
SCALE: 3/4" = 1'-0"



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

No.	Date	Revision

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ARCHITECTURE / ENGINEERING / TECHNOLOGY
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HITE ASSOCIATES, P.C. ARCHITECTURAL CORPORATION REGISTERED GREENVILLE, N.C. CERTIFICATE NUMBER 4118

RECORD DRAWING

New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

RECORD DRAWING

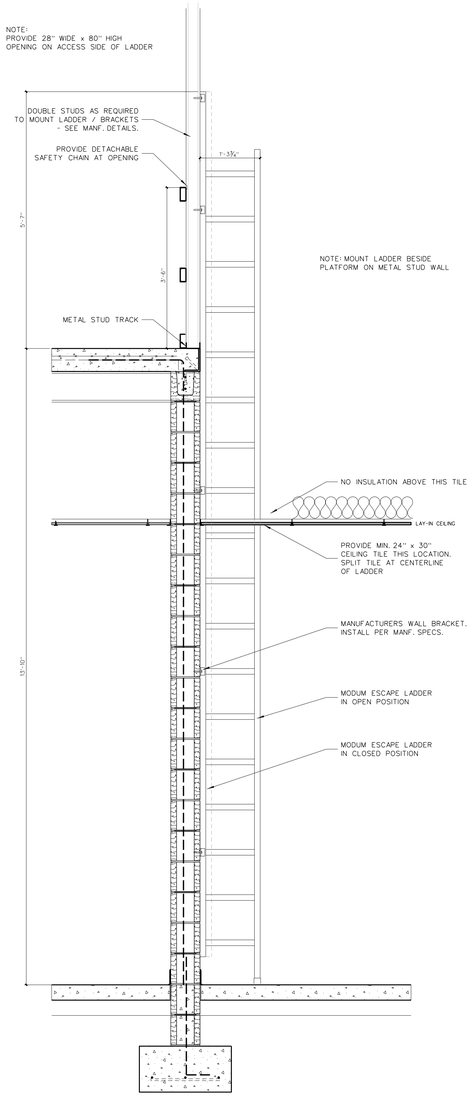
Project No. 21131
Date: 28 March 2012
Drawing no. A 802

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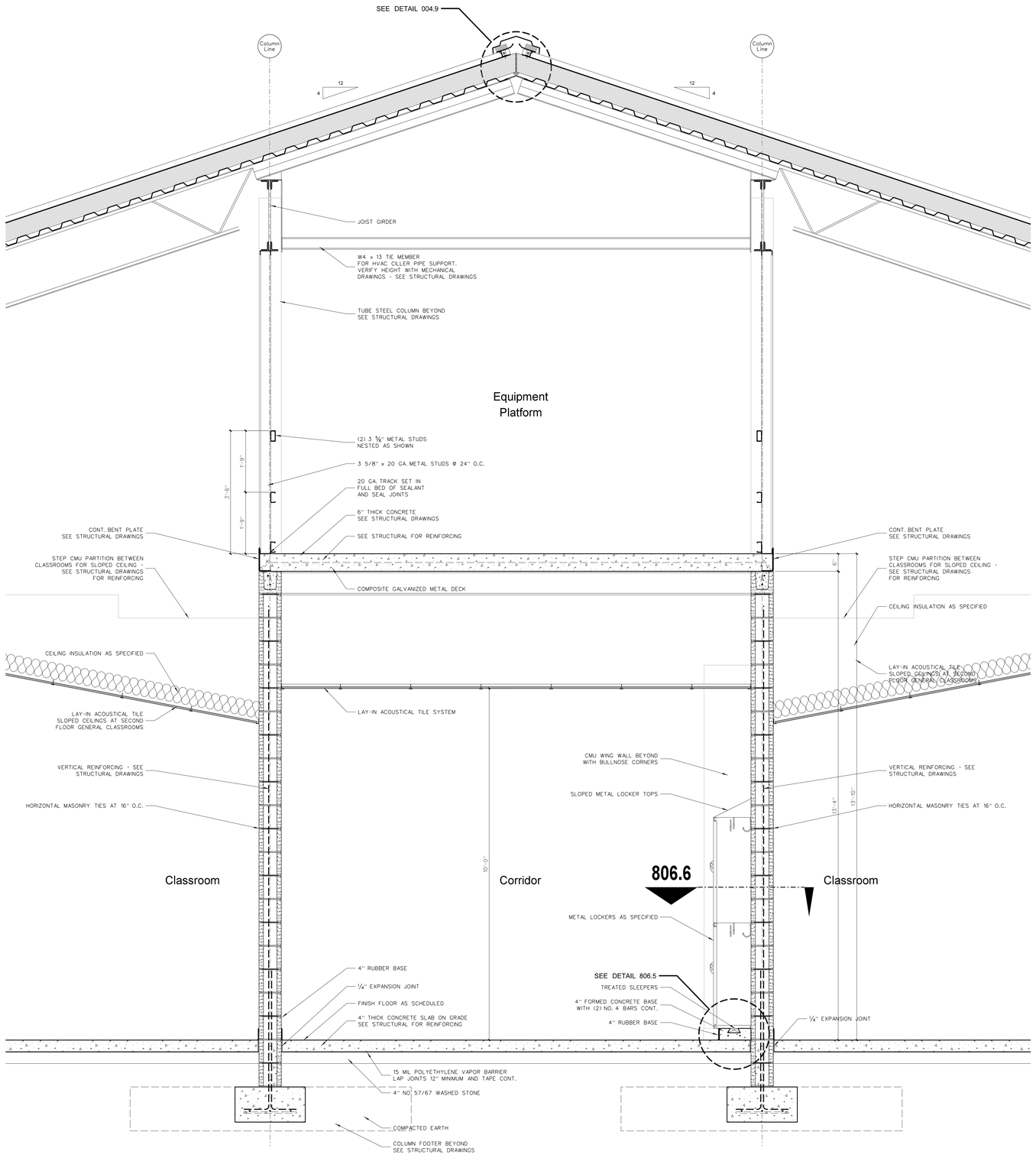


Note: Sign to be two sided and located with clear line of sight down Equipment Platform.

807.3 EGRESS LADDER SIGNAGE
SCALE: 1 1/2" = 1'-0"



803.2 WALL SECTION: EMERGENCY EGRESS LADDER
SCALE: 3/4" = 1'-0"



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

No.	Date	Revision

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HITE ASSOCIATES, P.C. — ARCHITECTURAL CORPORATION — REGISTERED NUMBER 418 — STATE OF NORTH CAROLINA — GREENVILLE

RECORD DRAWING

New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

RECORD DRAWING

Project No. 21131
Date: 28 March 2012
Drawing no. A 803

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General Notes for Wall Sections

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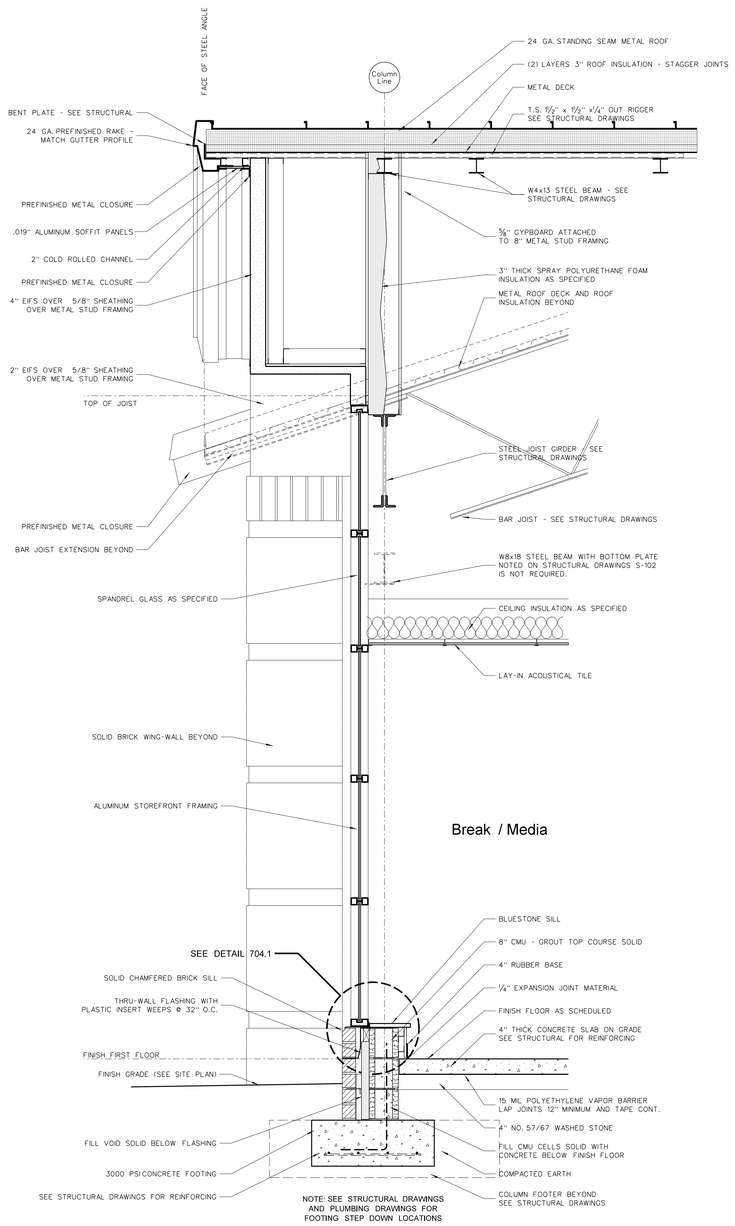
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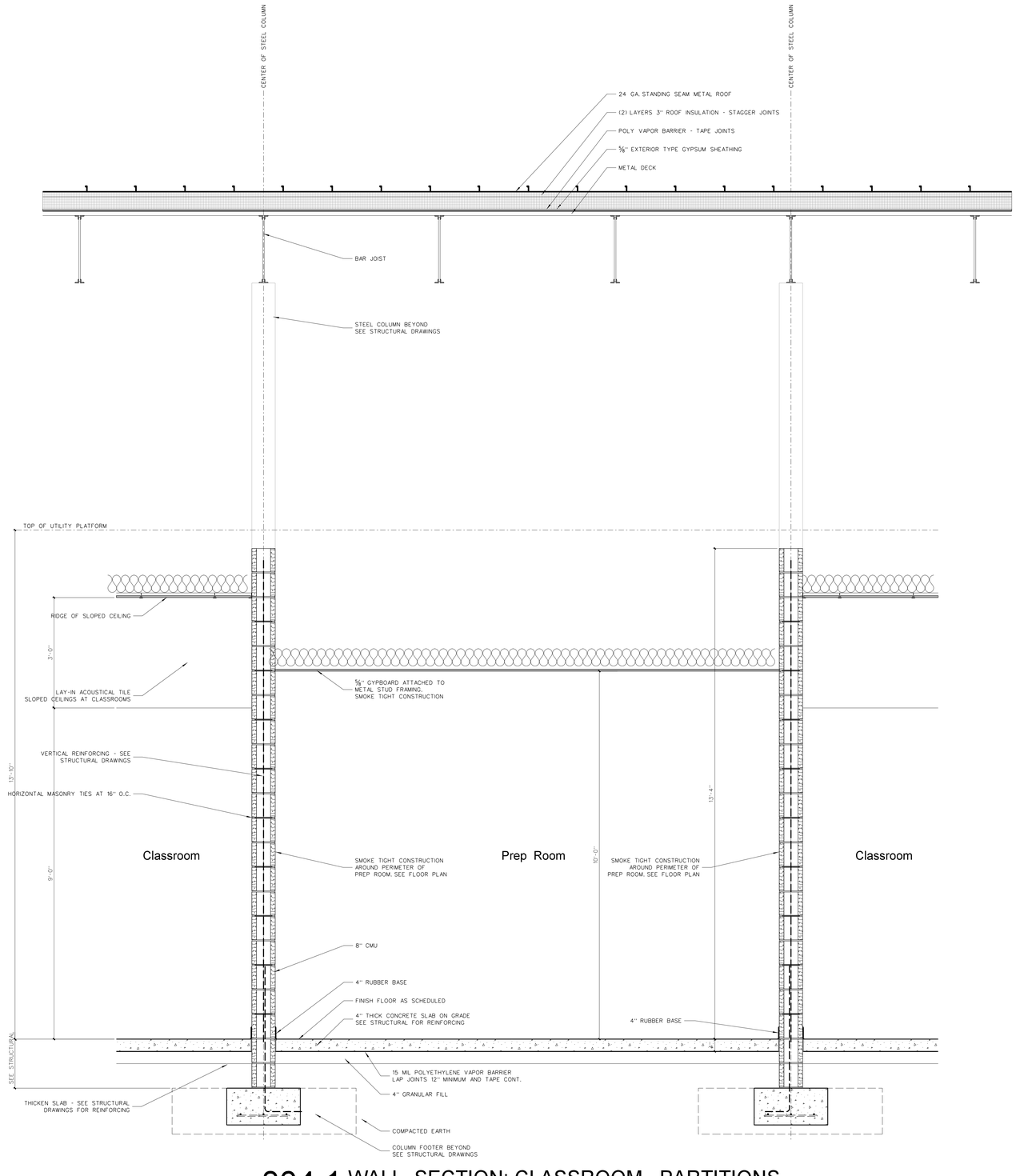
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(16) PAINT ALL EXPOSED PVC BOOTS AND ROOF DRAIN LEADERS AT GUTTER RDL TRANSITION TO MATCH METAL GUTTER.



804.2 WALL SECTION: BREAK ROOM
SCALE: 3/4" = 1'-0"



804.1 WALL SECTION: CLASSROOM PARTITIONS
SCALE: 3/4" = 1'-0"

No.	Date	Revision

Hite associates
ARCHITECTURE / ENGINEERING / TECHNOLOGY
2600 Meridian Drive / Greenville, NC 27834 / tel (252) 757-0333

HITE ASSOCIATES, P.C. ARCHITECTURAL CORPORATION REGISTERED LICENSE NUMBER C-1218 GREENVILLE, N.C.

RECORD DRAWING

New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

RECORD DRAWING

Project No.	21131
Date:	28 March 2012
Drawing no.	A 804

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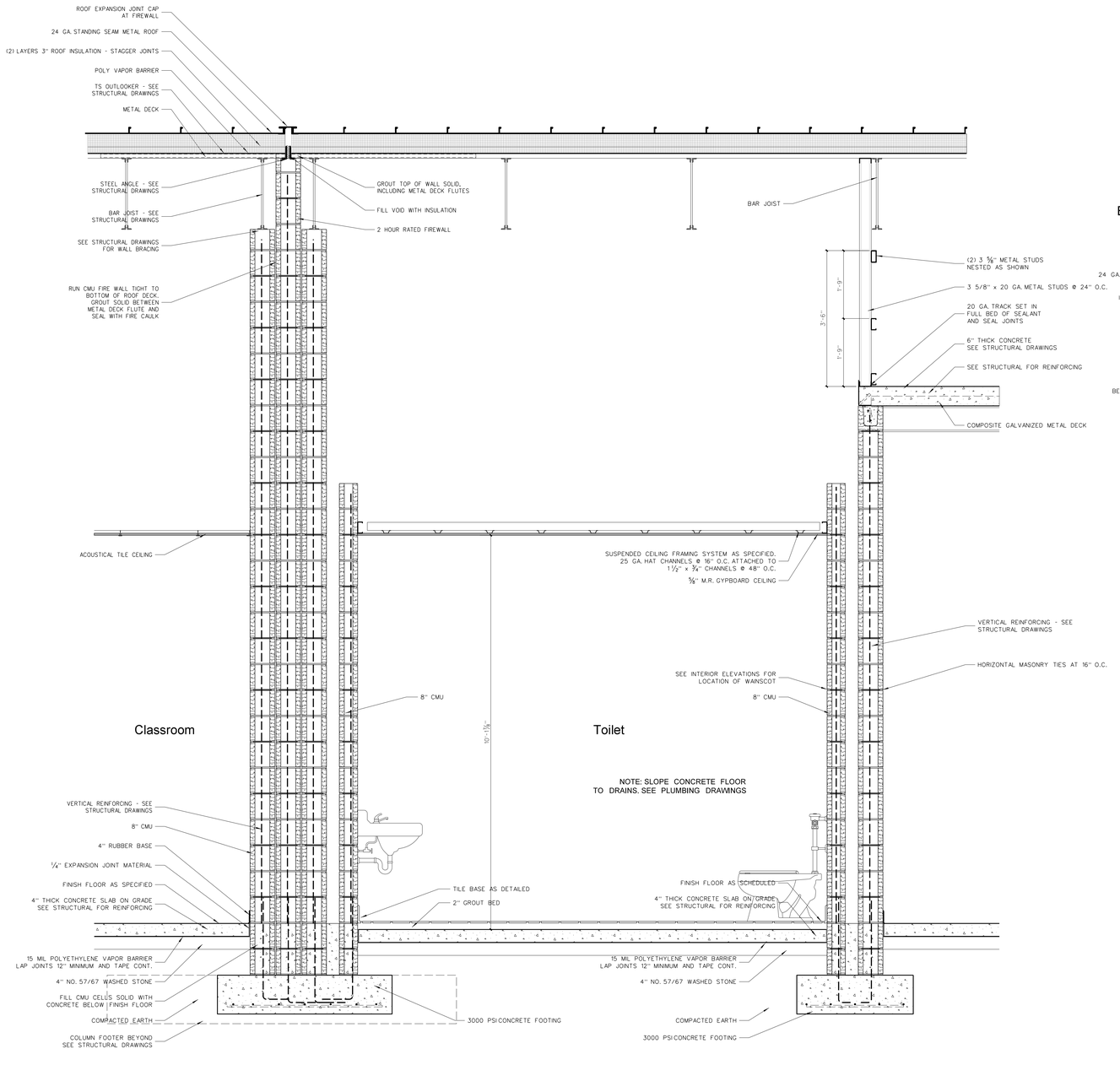
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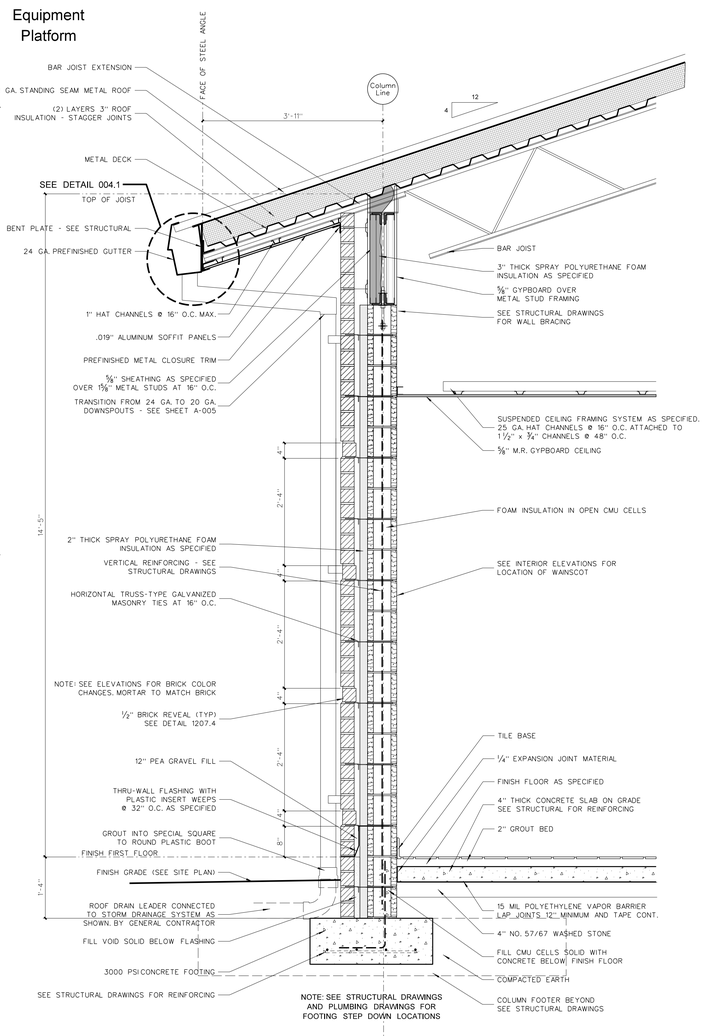
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805.2 WALL SECTION: STUDENT TOILET / FIREWALL
SCALE: 3/4" = 1'-0"



805.1 WALL SECTION: STUDENT TOILETS
SCALE: 3/4" = 1'-0"

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ARCHITECTURE / ENGINEERING / TECHNOLOGY
2600 Meridian Drive / Greenville, NC 27834 / tel (252) 757-0333

HITE ASSOCIATES, P.C. ARCHITECTURAL CORPORATION CERTIFICATE NUMBER C-1218 REGISTERED GREENVILLE, N.C.

No.	Date	Revision

RECORD DRAWING

New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

RECORD DRAWING

Project No: 21131
Date: 28 March 2012
Drawing no: A 805

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General Notes for Wall Sections

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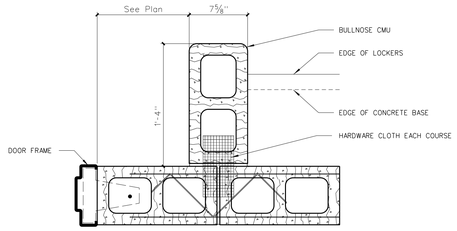
(12) ALL SEALANT COLORS TO BE SELECTED BY ARCHITECT.

(13) ROOF INSULATION: TAPE ALL ROOF INSULATION JOINTS, BOTH LAYER, LAP AND TAPE VAPOR BARRIER. ARCHITECT TO FIELD VERIFY PRIOR TO METAL ROOF PANEL INSTALLATION.

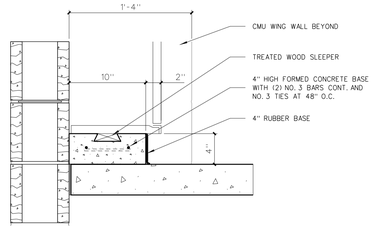
(14) PROVIDE PRE-FORMED THRU-WALL FLASHING CORNER MEMBERS FOR EXTERIOR WALL CORNERS AS SPECIFIED.

(15) IDENTIFICATION: ALL FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS, SMOKE PARTITIONS SHALL BE PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING. SUCH IDENTIFICATIONS SHALL BE ABOVE ANY CEILING OR OTHER CONCEALED SPACES. EXAMPLE WORDING "2-HOUR FIRE BARRIER, PROTECT ALL OPENINGS." LETTERS SHALL BE A MINIMUM 2" TALL.

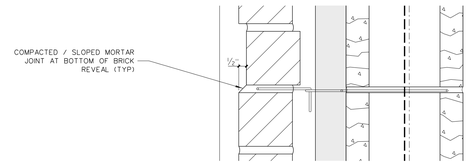
(16) PAINT ALL EXPOSED PVC BOOTS AND ROOF DRAIN LEADERS AT GUTTER RDL TRANSITION TO MATCH METAL GUTTER.



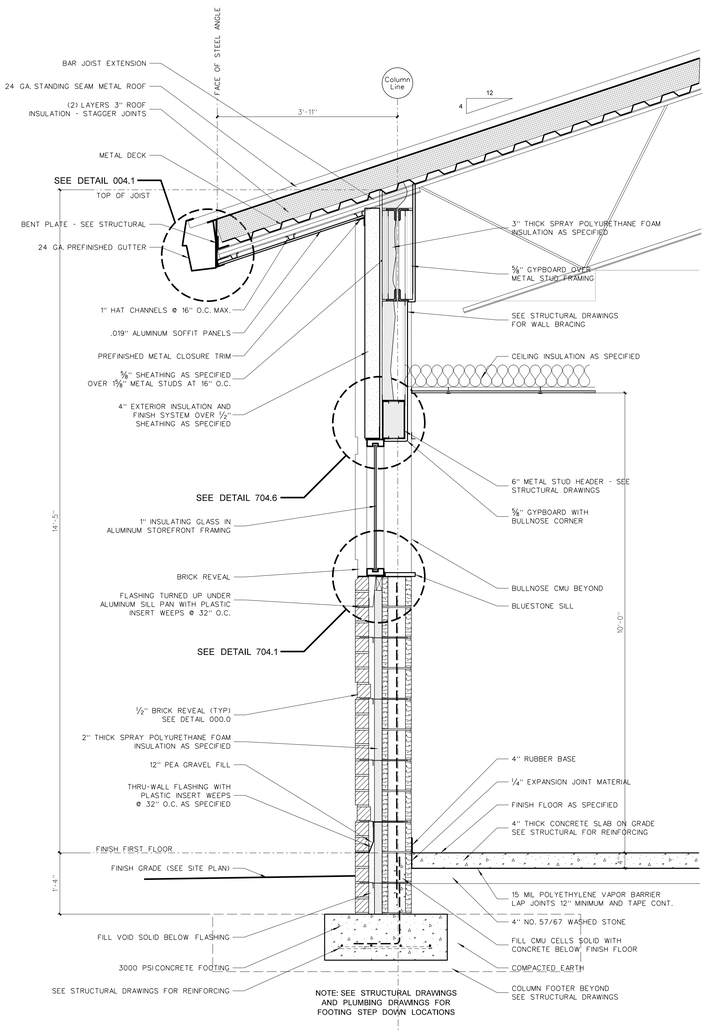
806.6 WING WALL DETAIL
SCALE: 1 1/2" = 1'-0"



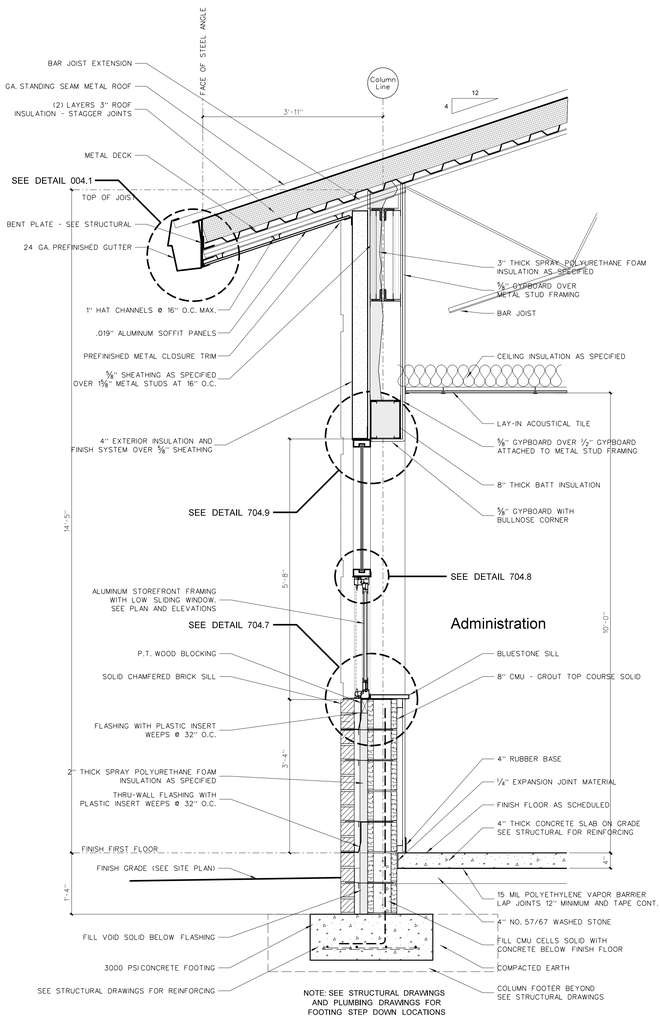
806.5 STUDENT LOCKER BASE DETAIL
SCALE: 1 1/2" = 1'-0"



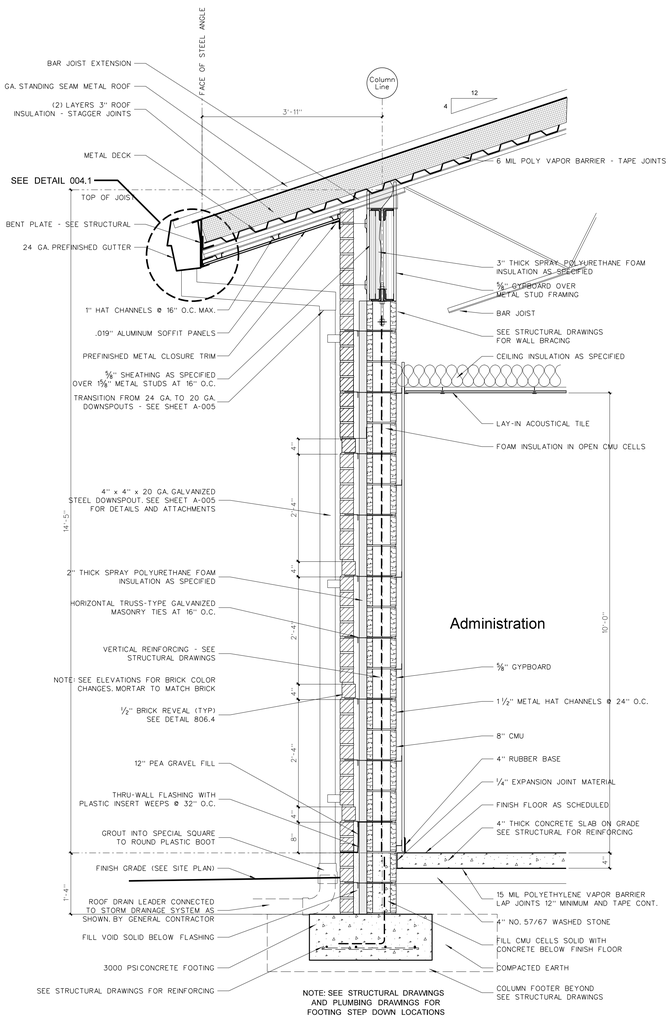
806.4 TYPICAL BRICK REVEAL DETAIL
SCALE: 3" = 1'-0"



806.3 WALL SECTION: CLASSROOM HIGH WINDOW
SCALE: 3/4" = 1'-0"



806.2 WALL SECTION: ADMINISTRATION WINDOW
SCALE: 3/4" = 1'-0"



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

No.	Date	Revision

Hite associates
ARCHITECTURE / ENGINEERING / TECHNOLOGY
2600 Meridian Drive / Greenville, NC 27834 / tel (252) 757-0333

HITE ASSOCIATES, P.C. ARCHITECTURAL CORPORATION CERTIFICATE NUMBER C-418 GREENVILLE, N.C.

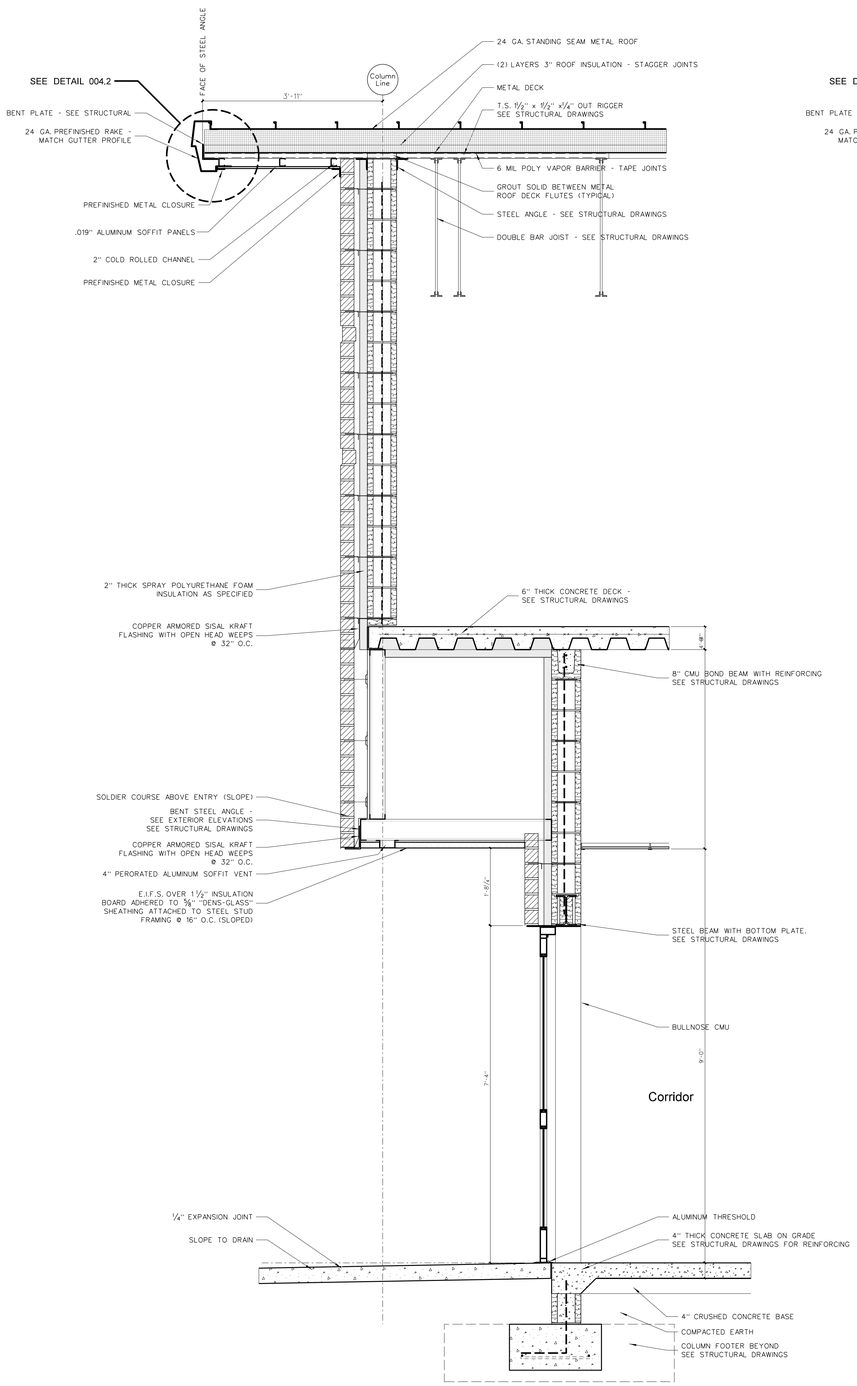
RECORD DRAWING

New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

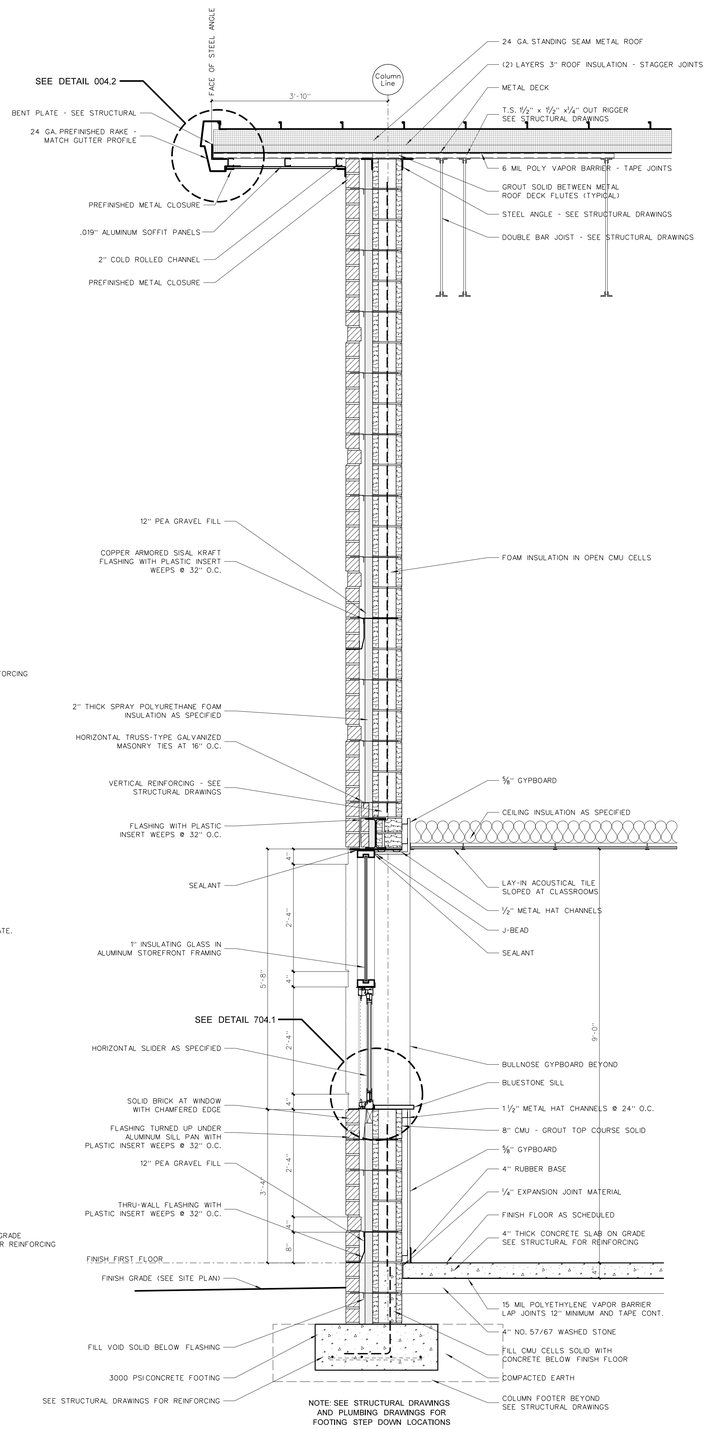
RECORD DRAWING

Project No. 21131
Date: 28 March 2012
Drawing no. A 806

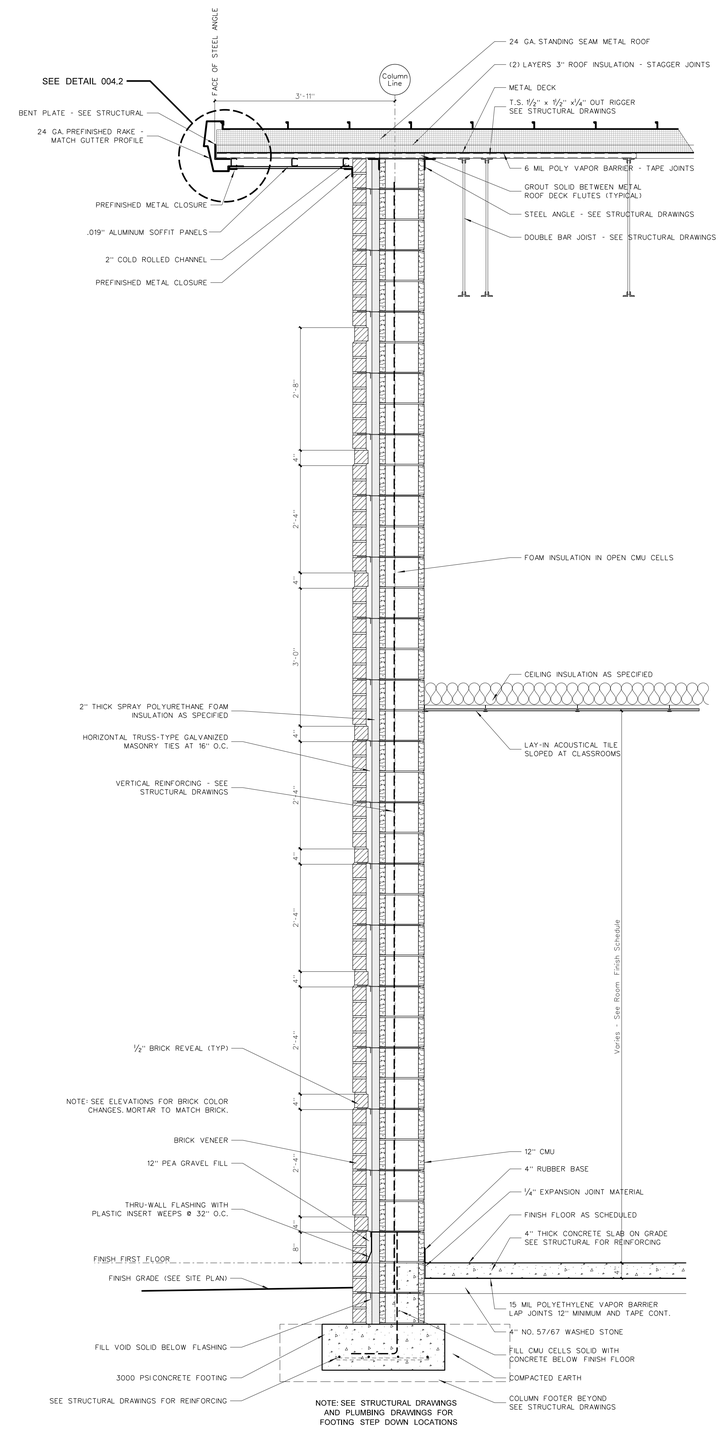
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807.3 WALL SECTION: ENDWALL ENTRY
SCALE: 3/4" = 1'-0"



807.2 WALL SECTION: ENDWALL WINDOW
SCALE: 3/4" = 1'-0"



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

No.	Date	Revision

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HITE ASSOCIATES, P.C. ARCHITECTURAL CORPORATION NORTH CAROLINA CERTIFICATE NUMBER C-418 REGISTERED GREENVILLE

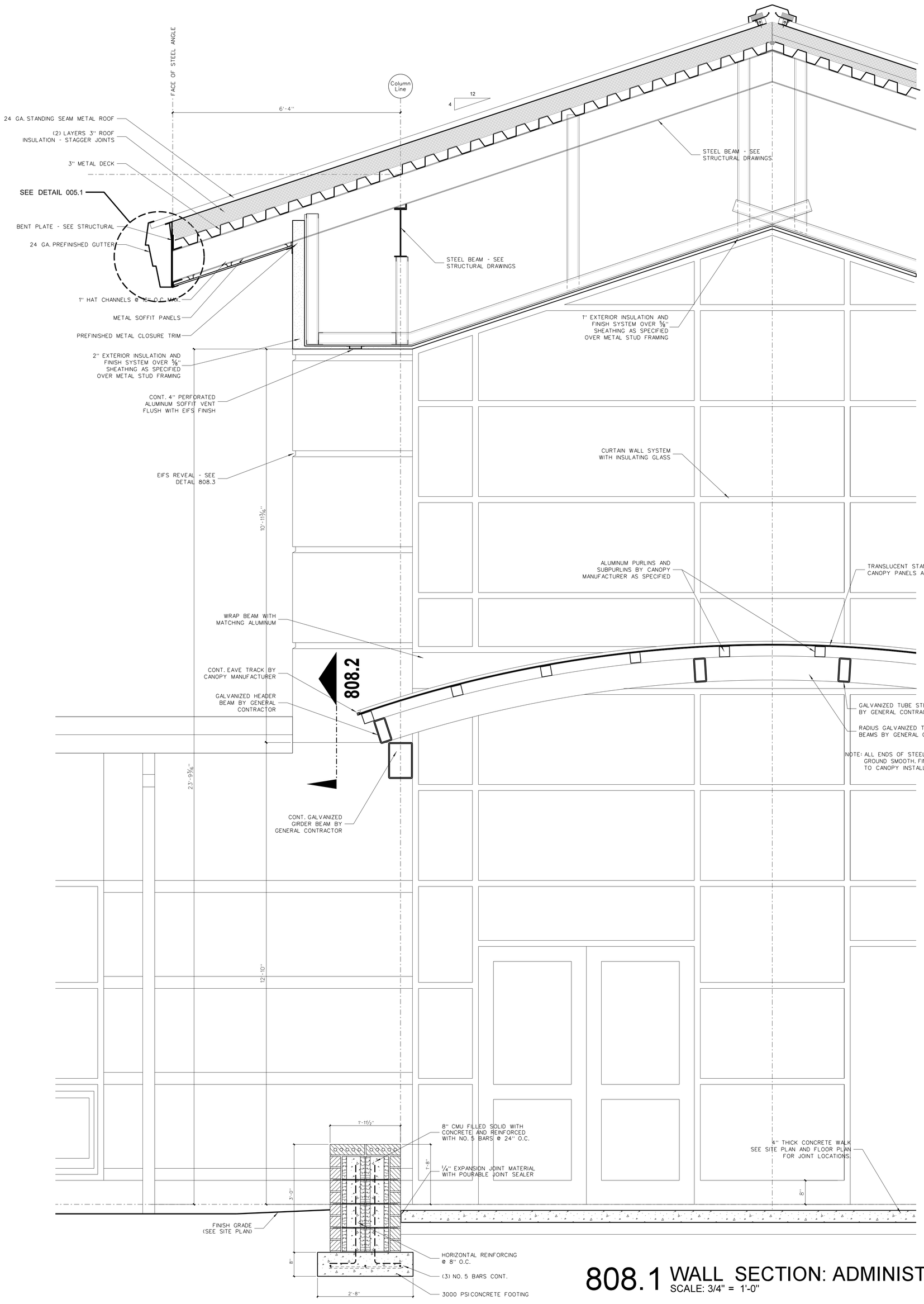
RECORD DRAWING

New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

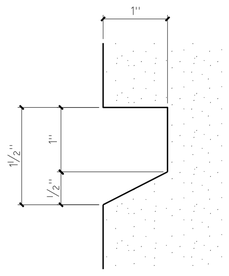
RECORD DRAWING

Project No. 21131
Date: 28 March 2012
Drawing no. A 807

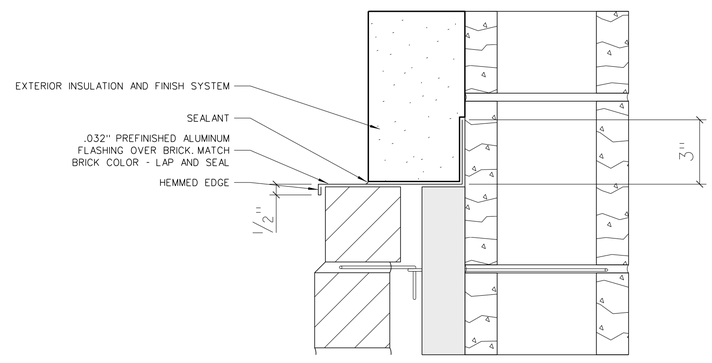
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808.1 WALL SECTION: ADMINISTRATION ENTRANCE
SCALE: 3/4" = 1'-0"



808.3 EIFS REVEAL DETAIL
SCALE: FULL SIZE



808.2 BRICK / EIFS DETAIL
SCALE: 1 1/2" = 1'-0"

General Notes for Wall Sections

(1) SEE EXTERIOR ELEVATIONS FOR BRICK COLOR.

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(3) PROVIDE PLASTIC INSERT WEEPS AT ALL AT DOOR, WINDOW AND FLOOR FLASHING.

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(7) PROVIDE R-18 MINIMUM SPRAY POLYURETHANE INSULATION IN ALL METAL STUDS EXTERIOR WALLS. SEE WALL SECTIONS AND SPECIFICATIONS.

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(16) PAINT ALL EXPOSED PVC BOOTS AND ROOF DRAIN LEADERS AT GUTTER RDL TRANSITION TO MATCH METAL GUTTER.

Drawing no. A 808

Date: 28 March 2012

Project No. 21131

RECORD DRAWING

New Bertie High School

Bertie County Schools

716 US 13 North / NCDPS Unit 080 - School 312

Windsor / Bertie County / North Carolina

RECORD DRAWING

HITE ASSOCIATES, P.C. REGISTERED ARCHITECTURAL CORPORATION CERTIFICATE NUMBER 418 STATE OF NORTH CAROLINA GREENVILLE

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No.	Date	Revision

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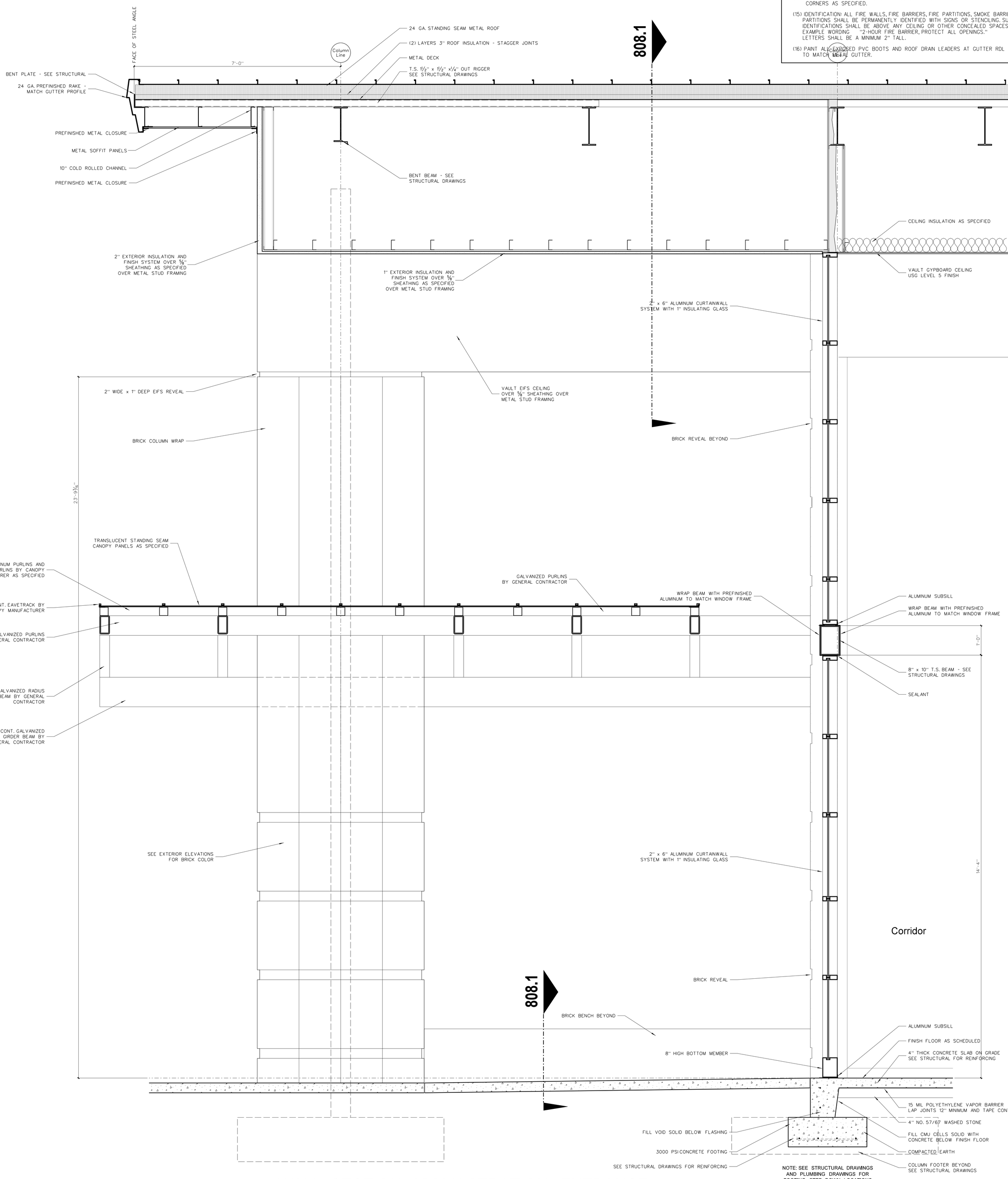
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809.1 WALL SECTION: ADMINISTRATION ENTRANCE

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

Drawing no. A 809

Date 28 March 2012

Project No. 21131

RECORD DRAWING

New Bertie High School

Bertie County Schools

716 US 13 North / NCDPS Unit 080 - School 312

Windsor / Bertie County / North Carolina

RECORD DRAWING

HITE ASSOCIATES, P.C. REGISTERED ARCHITECTURAL CORPORATION CERTIFICATE NUMBER 418 STATE OF NORTH CAROLINA GREENVILLE

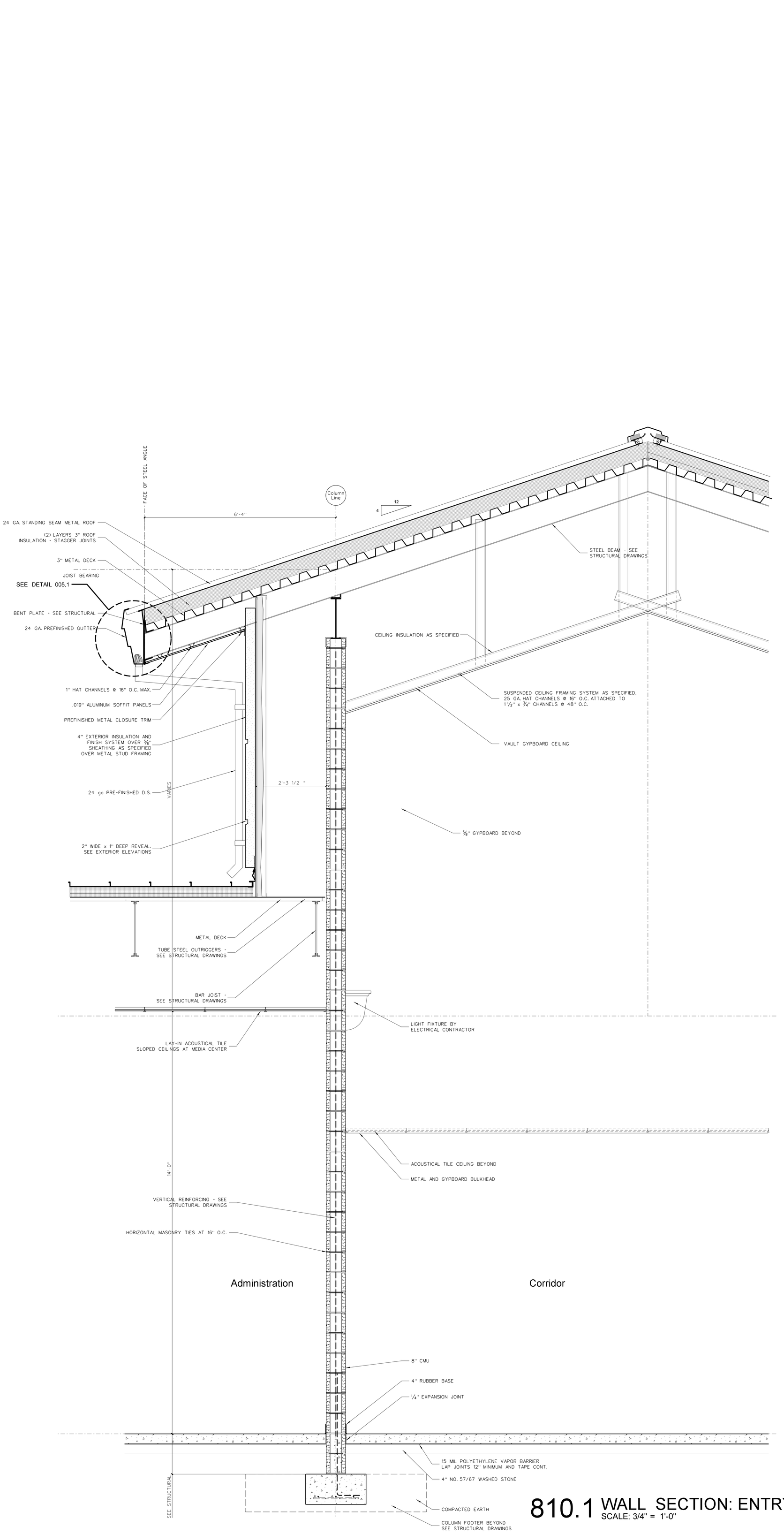
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General Notes for Wall Sections

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810.1 WALL SECTION: ENTRY CORRIDOR

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

A 810
Drawing no.

Date: 28 March 2012

Project No. 21131

RECORD DRAWING

New Bertie High School

Bertie County Schools

716 US 13 North / NCDPS Unit 080 - School 312

Windsor / Bertie County / North Carolina

RECORD DRAWING

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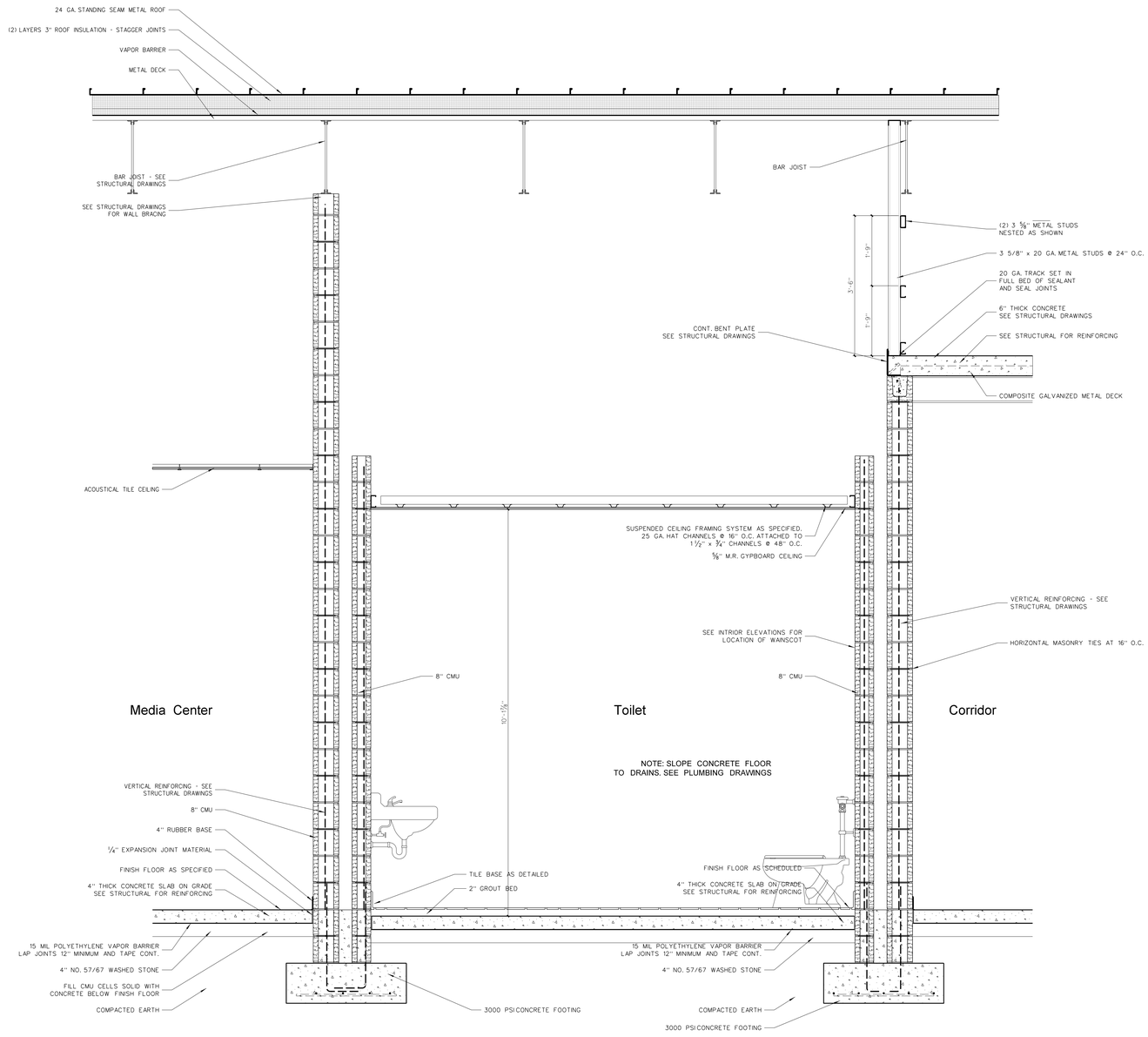
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811.1 WALL SECTION: ADMINISTRATION TOILETS

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

Equipment Platform

No.	Date	Revision

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RECORD DRAWING

New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

RECORD DRAWING

Project No.	21131
Date:	28 March 2012
Drawing no.	A 811

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General Notes for Wall Sections

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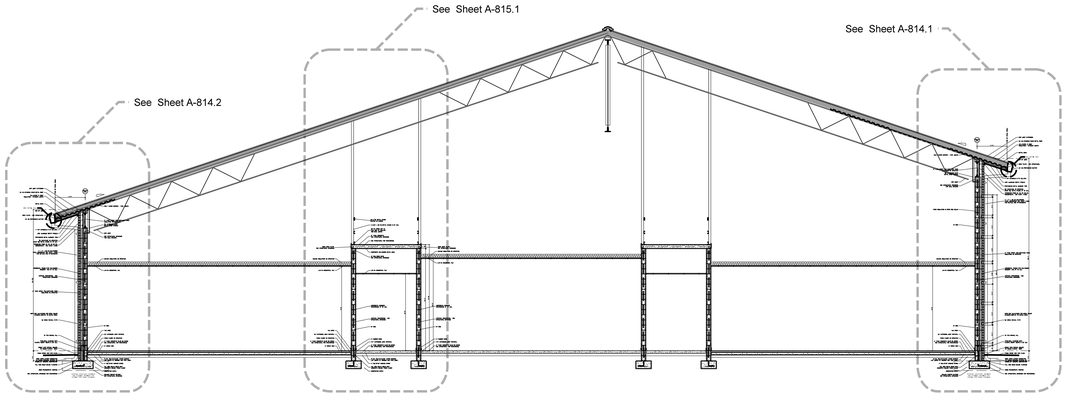
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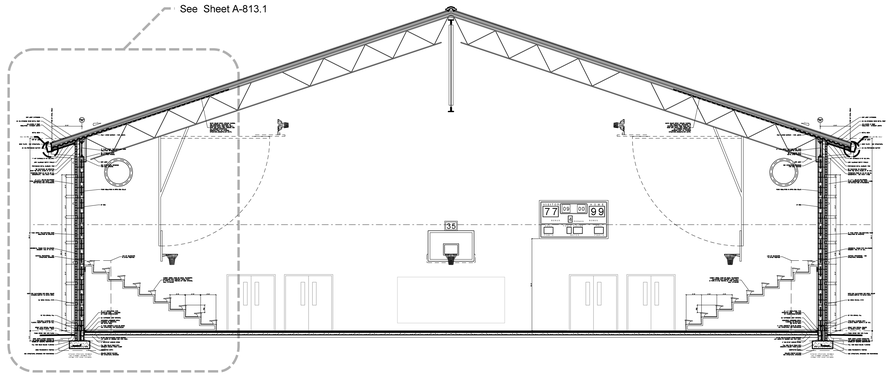
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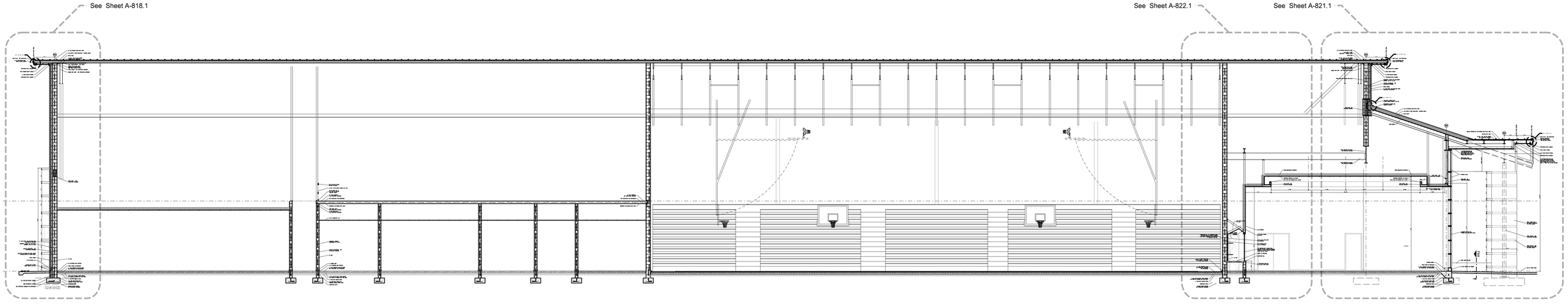
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812.3 BUILDING SECTION: LOCKER ROOMS / STRENGTH TRAINING
SCALE: 1/8" = 1'-0"



812.2 BUILDING SECTION: GYMNASIUM
SCALE: 1/8" = 1'-0"



812.1 BUILDING SECTION: GYMNASIUM
SCALE: 1/8" = 1'-0"

No.	Date	Revision

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HITE ASSOCIATES, P.C. — ARCHITECTURAL CORPORATION — REGISTERED — LICENSE NUMBER 4418 — STATE OF NORTH CAROLINA — GREENVILLE

RECORD DRAWING

New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

RECORD DRAWING

Project No. 21131
Date: 28 March 2012
Drawing no. A 812

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General Notes for Wall Sections

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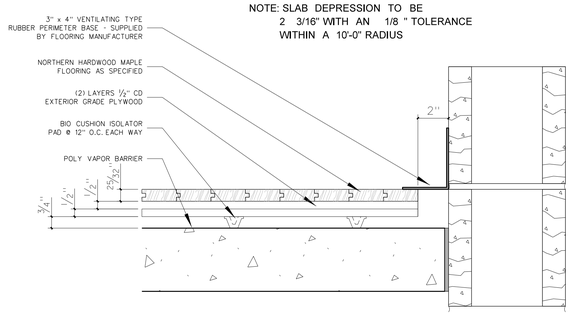
(12) ALL SEALANT COLORS TO BE SELECTED BY ARCHITECT.

(13) ROOF INSULATION: TAPE ALL ROOF INSULATION JOINTS, BOTH LAYER, LAP AND TAPE VAPOR BARRIER. ARCHITECT TO FIELD VERIFY PRIOR TO METAL ROOF PANEL INSTALLATION.

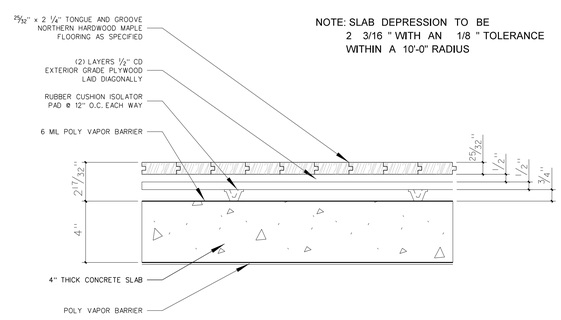
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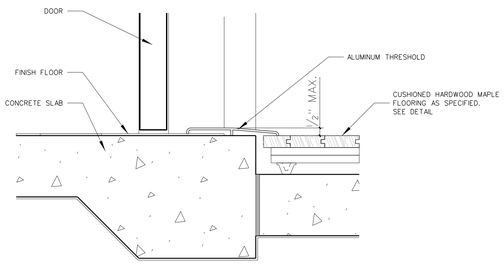
(16) PAINT ALL EXPOSED PVC BOOTS AND ROOF DRAIN LEADERS AT GUTTER RDL TRANSITION TO MATCH METAL GUTTER.



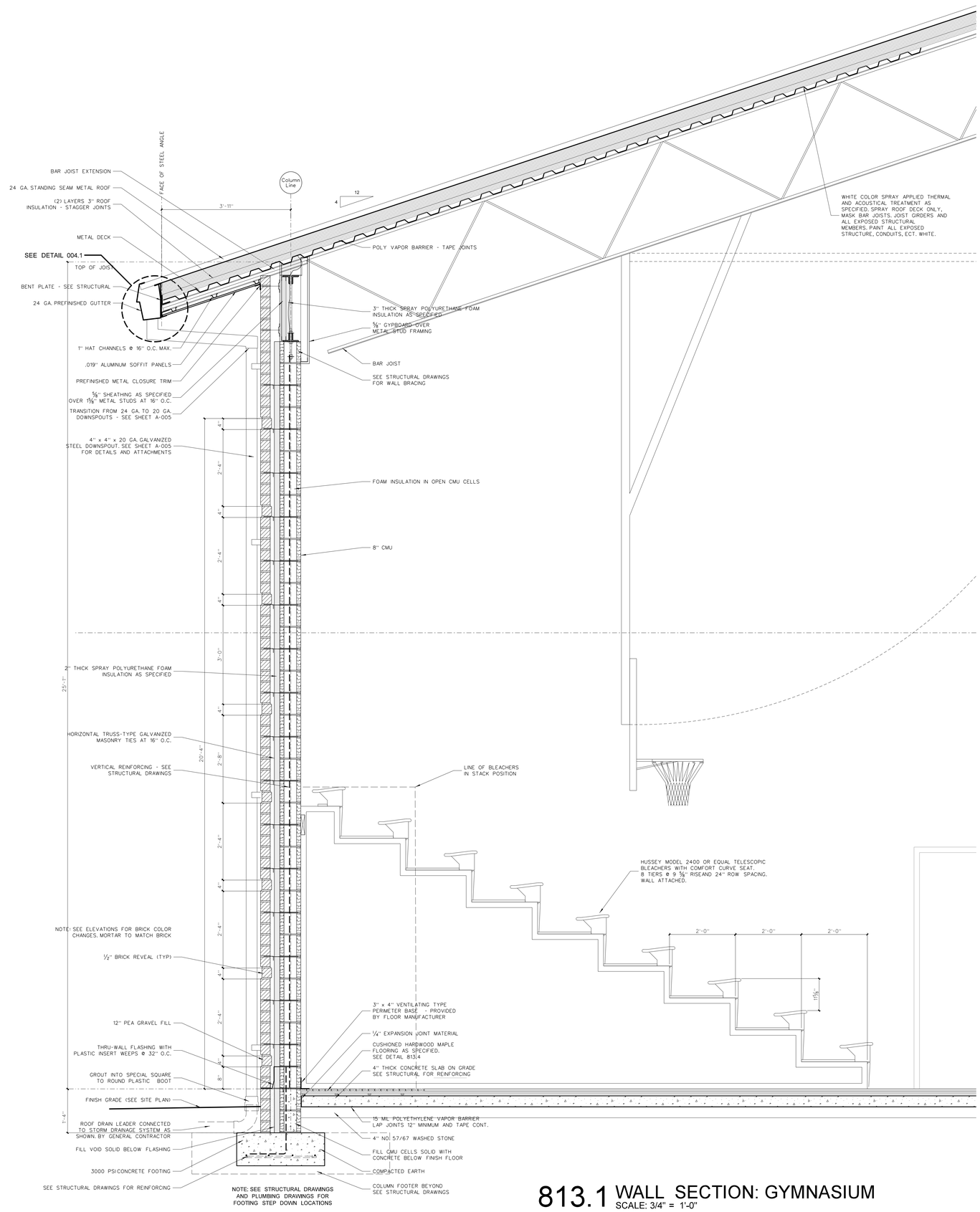
813.4 GYMNASIUM FLOOR / BASE DETAIL
SCALE: 3" = 1'-0"



813.3 GYMNASIUM FLOOR DETAIL
SCALE: 3" = 1'-0"



813.2 GYMNASIUM DOOR THRESHOLD DETAIL
SCALE: 3" = 1'-0"



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

No.	Date	Revision

Hite associates
ARCHITECTURE / ENGINEERING / TECHNOLOGY
2600 Meridian Drive / Greenville, NC 27834 / tel (252) 757-0333

HITE ASSOCIATES, P.C. ARCHITECTURAL CORPORATION REGISTERED NORTH CAROLINA GREENVILLE 4118

RECORD DRAWING

New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

RECORD DRAWING

Project No. 21131
Date: 28 March 2012
Drawing no. A 813

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General Notes for Wall Sections

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(2) GENERAL CONTRACTOR SHALL VERIFY TOP OF FINISH GRADES, TOP OF OF CONCRETE WALKS AND TOP OF CONCRETE SLABS ADJACENT TO BUILDING AND ADJUST LOCATION OF THROUGH WALL FLASHING ACCORDINGLY.

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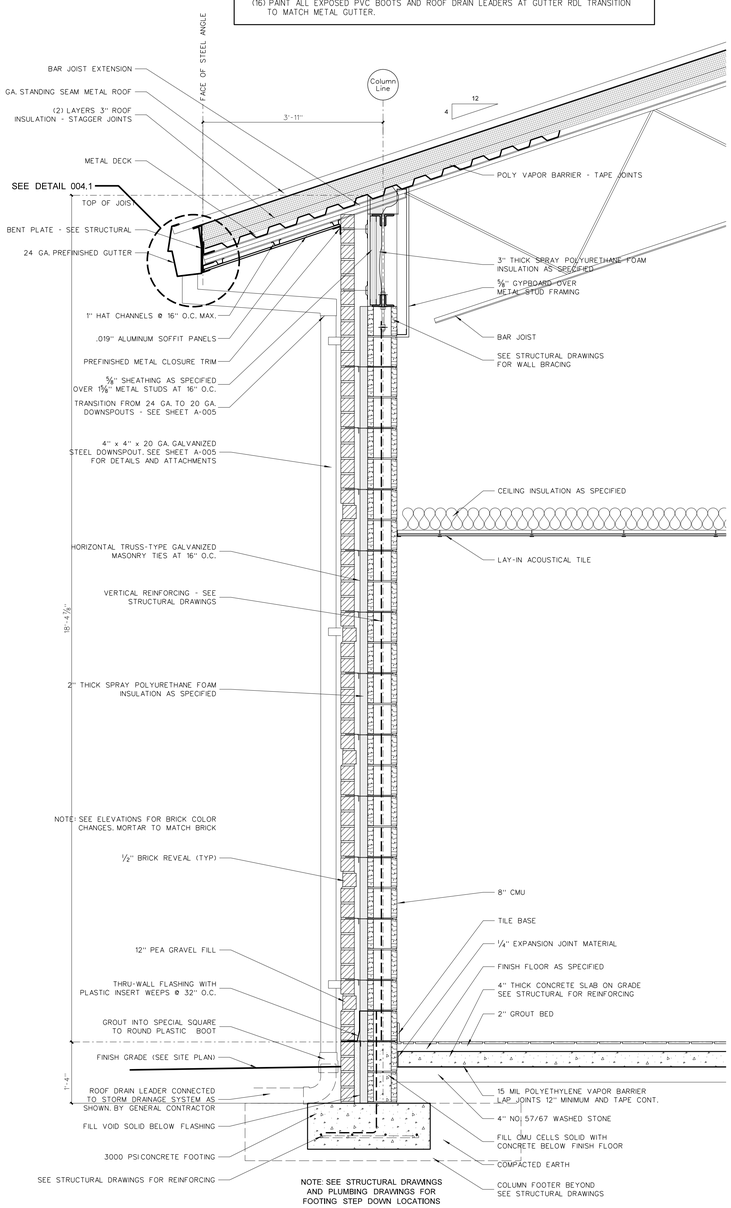
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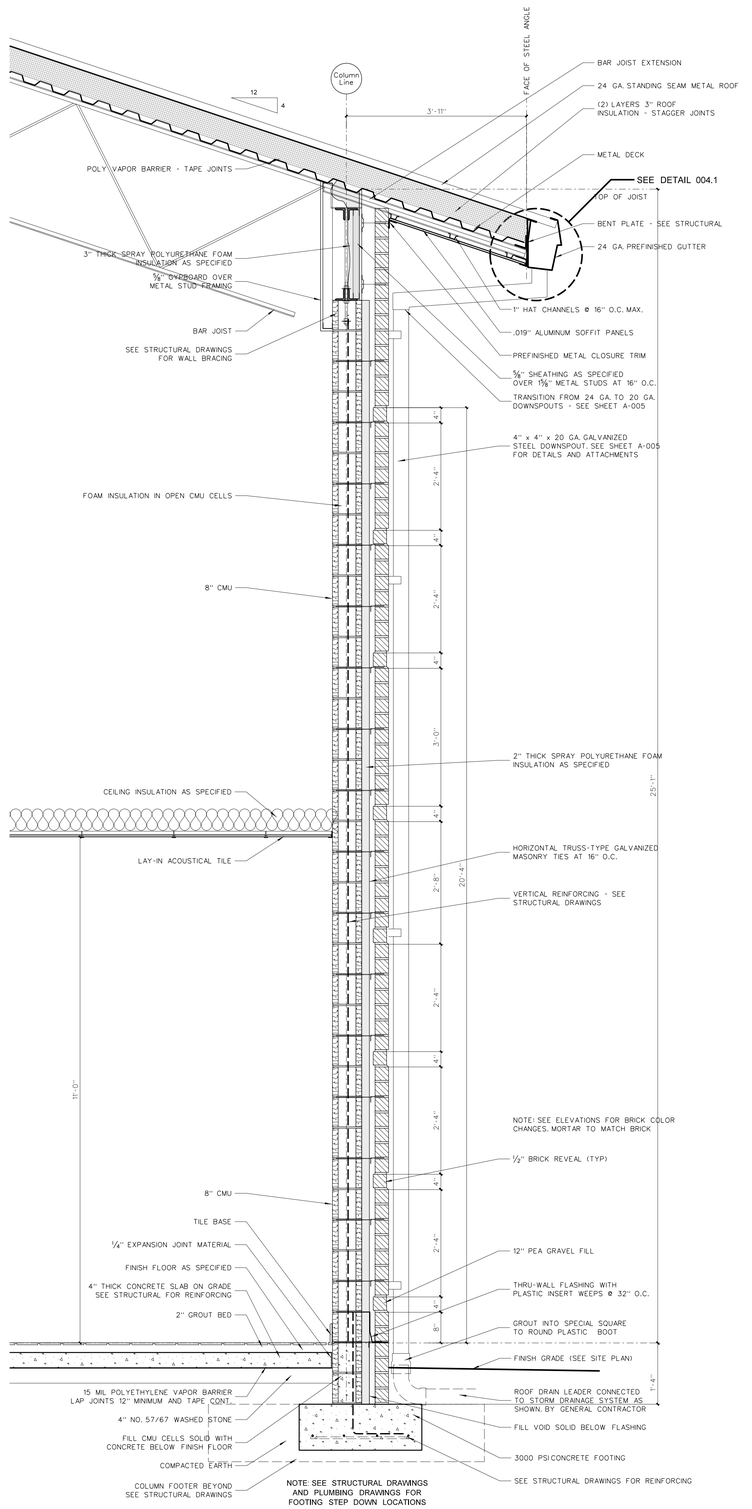
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814.2 WALL SECTION: LOCKER ROOM
SCALE: 3/4" = 1'-0"



814.1 WALL SECTION: LOCKER ROOM
SCALE: 3/4" = 1'-0"

No.	Date	Revision

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2600 Meridian Drive / Greenville, NC 27834 / tel (252) 757-0333

HITE ASSOCIATES, P.C. — ARCHITECTURAL CORPORATION — REGISTERED — CORPORATE NUMBER C-4118 — STATE OF NORTH CAROLINA — GREENVILLE

RECORD DRAWING

New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

RECORD DRAWING

Project No.	21131
Date:	28 March 2012
Drawing no.	A 814

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General Notes for Wall Sections

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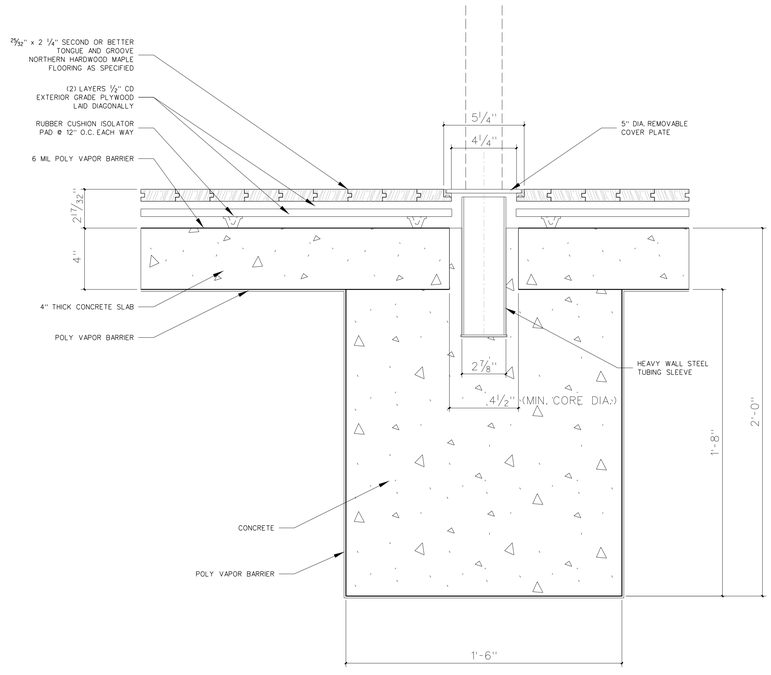
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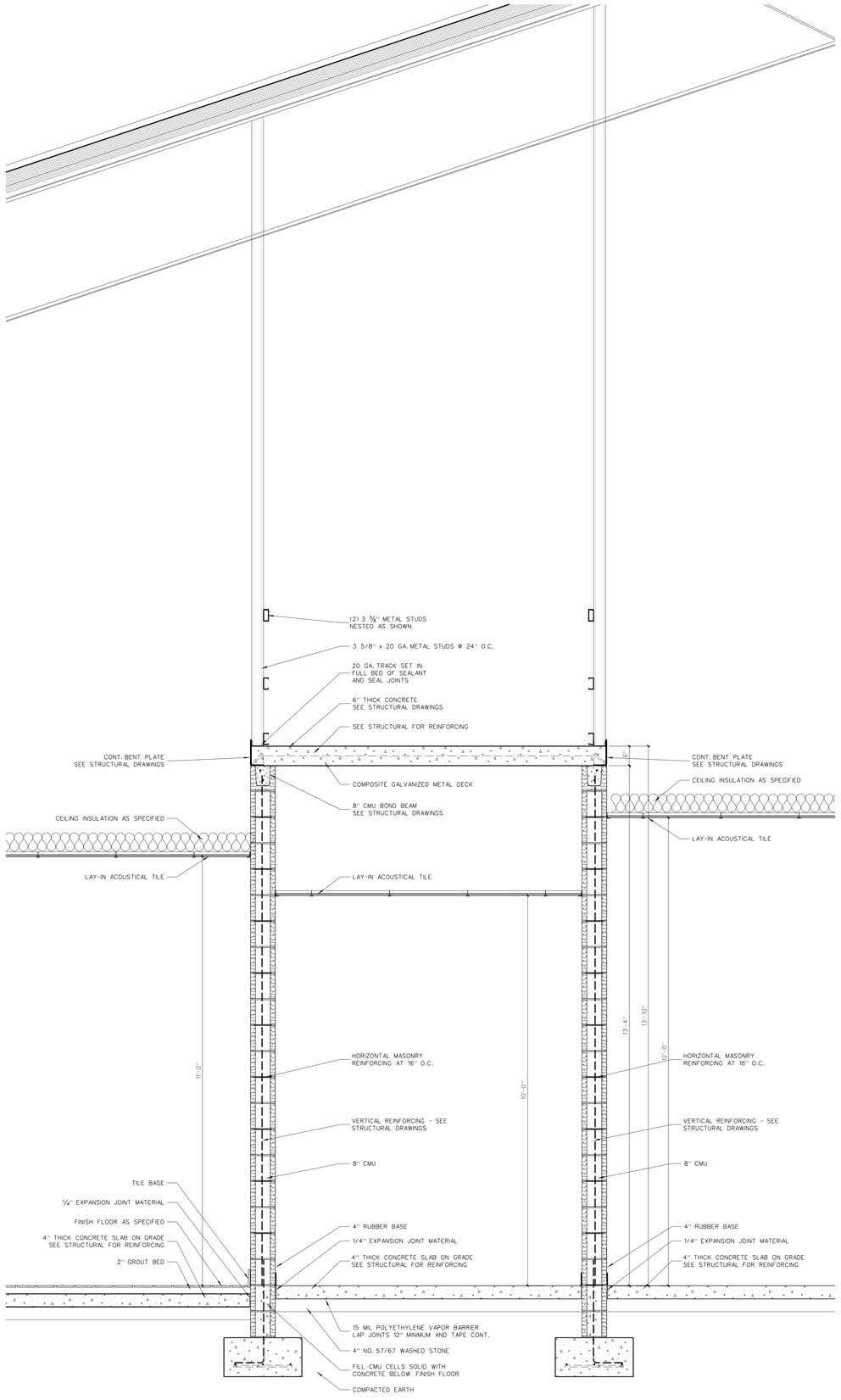
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815.2 VOLLEYBALL STANTION DETAIL
SCALE: 3" = 1'-0"



815.1 WALL SECTION: CORRIDOR / UTILITY PLATFORM
SCALE: 3/4" = 1'-0"

No.	Date	Revision

Hite associates
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HITE ASSOCIATES, P.C. — ARCHITECTURAL CORPORATION — REGISTERED — CERTIFICATE NUMBER 4118 — STATE OF NORTH CAROLINA — GREENVILLE

RECORD DRAWING

New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

RECORD DRAWING

Project No.	21131
Date:	28 March 2012
Drawing no.	A 815

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General Notes for Wall Sections

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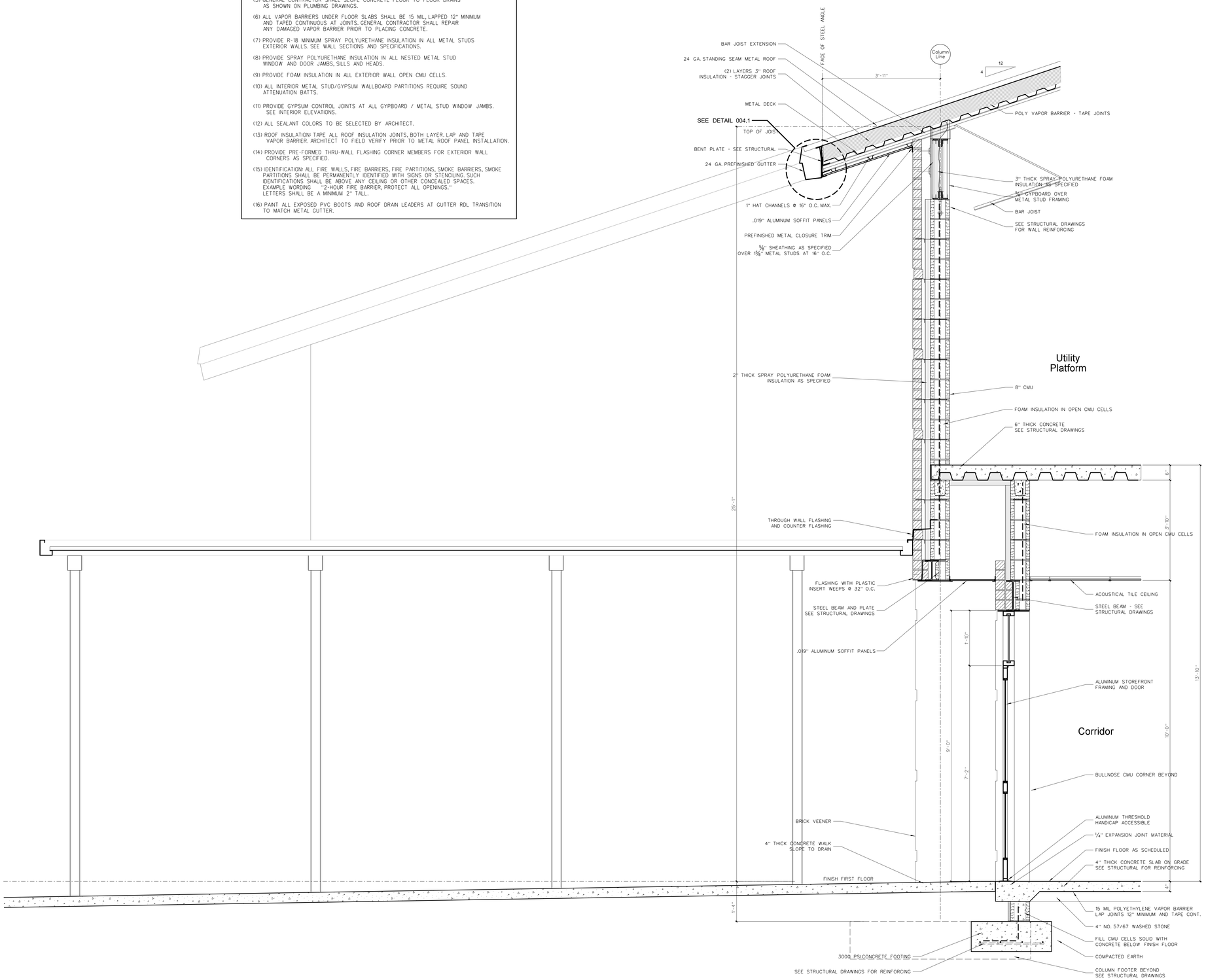
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816.1 WALL SECTION: GYMNASIUM CORRIDOR ENTRY
SCALE: 3/4" = 1'-0"

No.	Date	Revision

Hite associates
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HITE ASSOCIATES, P.C. — CORPORATE NUMBER C-1418 — GREENVILLE, N.C.

RECORD DRAWING

New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

RECORD DRAWING

Project No. 21131
Date: 28 March 2012
Drawing no. A 816

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General Notes for Wall Sections

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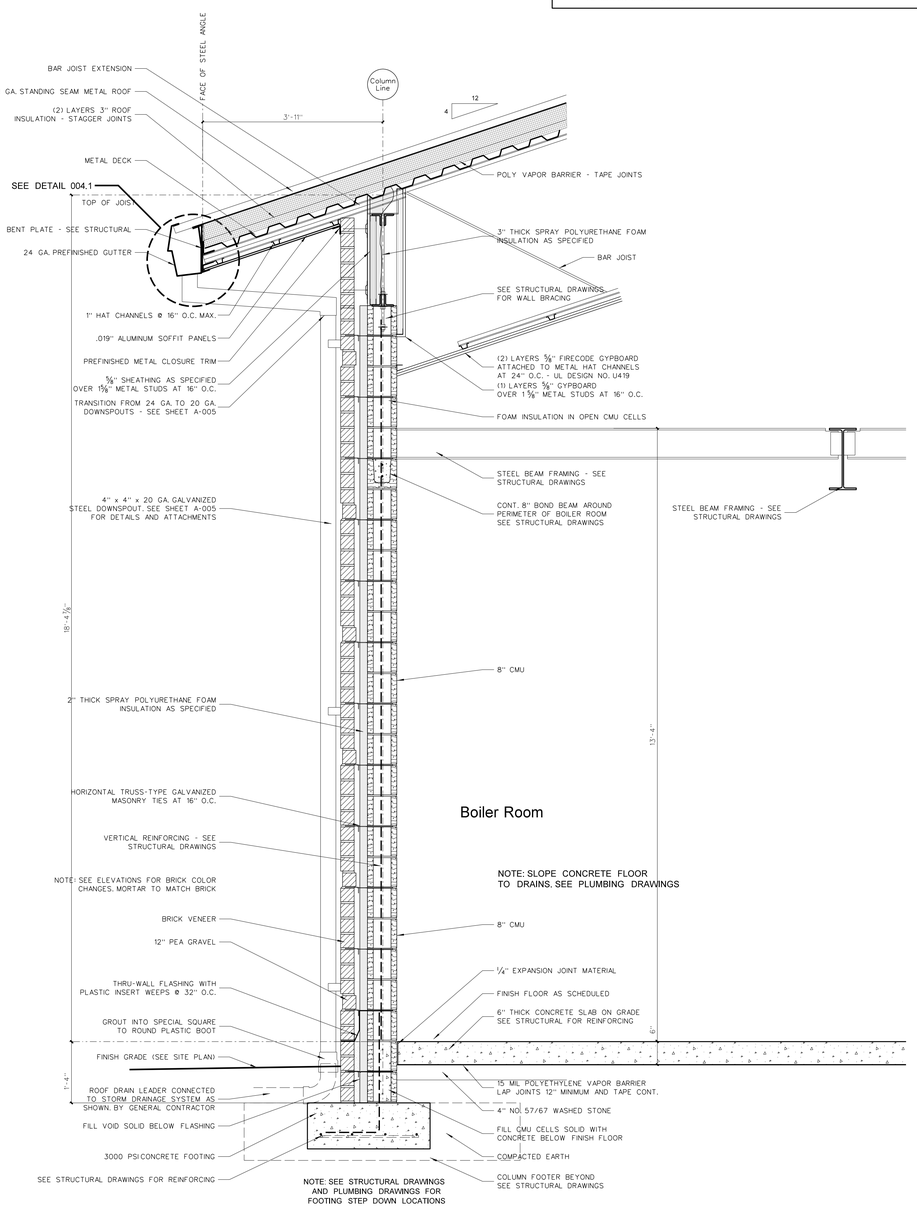
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817.1 WALL SECTION: BOILER ROOM
SCALE: 3/4" = 1'-0"

No.	Date	Revision

Hite associates
ARCHITECTURE / ENGINEERING / TECHNOLOGY
2600 Meridian Drive / Greenville, NC 27834 / tel (252) 757-0333

HITE ASSOCIATES, P.C. — ARCHITECTURAL CORPORATION — REGISTERED — LICENSE NUMBER 4118 — GREENVILLE, N.C.

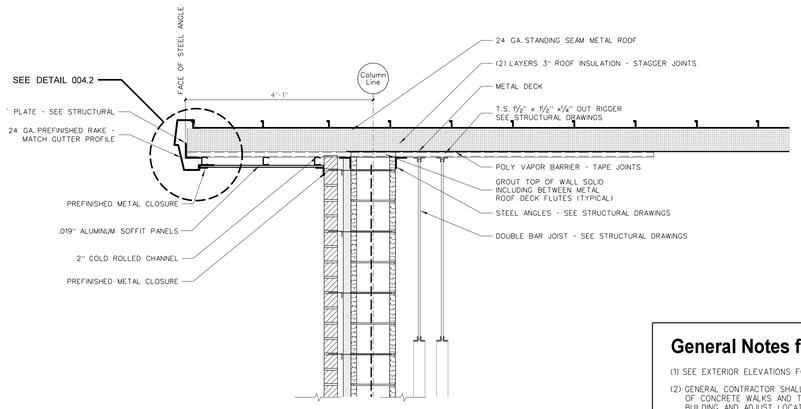
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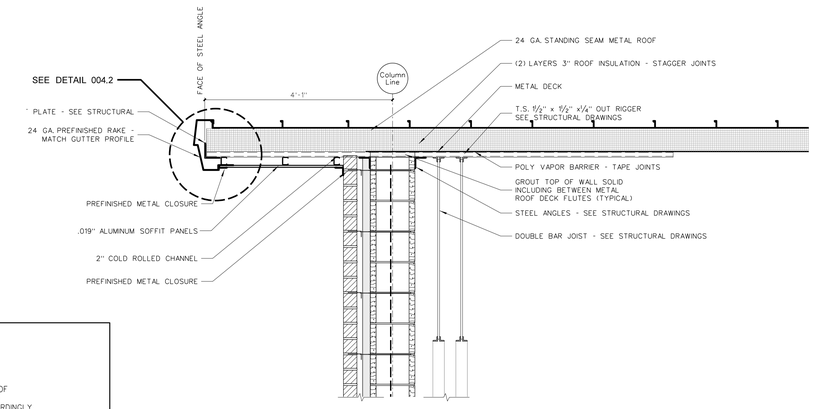
New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

RECORD DRAWING

Project No. 21131
Date: 28 March 2012
Drawing no. A 817

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General Notes for Wall Sections

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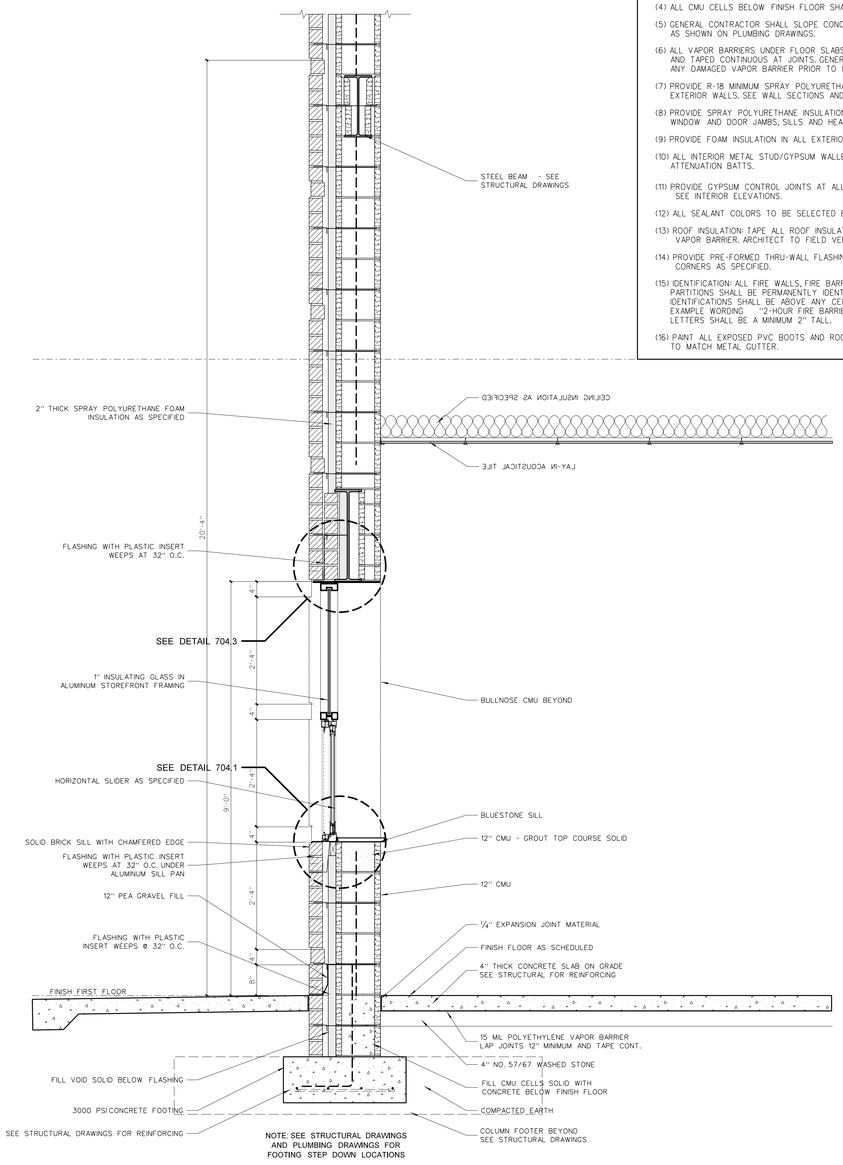
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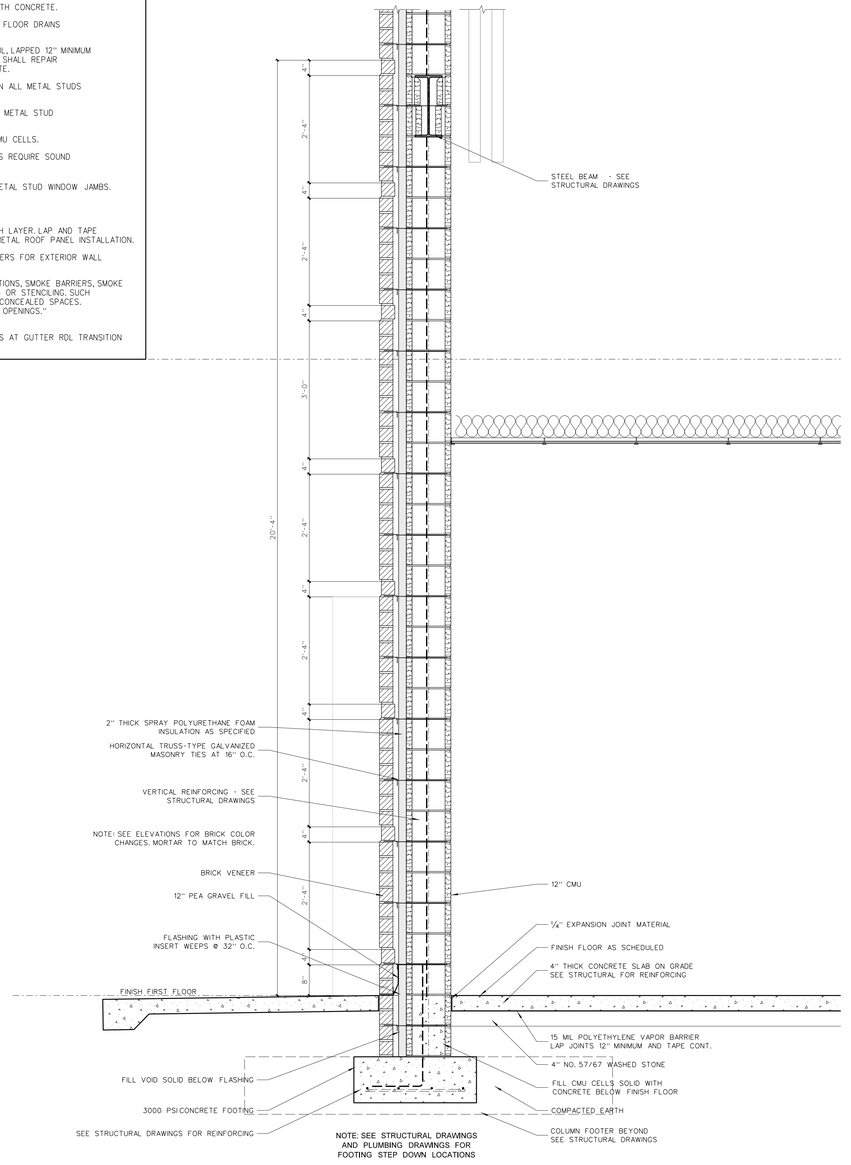
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818.2 WALL SECTION: ENDWALL WINDOW
SCALE: 3/4" = 1'-0"



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

No.	Date	Revision

Hite associates
ARCHITECTURE / ENGINEERING / TECHNOLOGY
2600 Meridian Drive / Greenville, NC 27834 / tel (252) 757-0333

HITE ASSOCIATES, P.C. ARCHITECTURAL CORPORATION REGISTERED CERTIFICATE NUMBER C-1418 STATE OF NORTH CAROLINA GREENVILLE

RECORD DRAWING

New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

RECORD DRAWING

Project No.	21131
Date:	28 March 2012
Drawing no.	A 818

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General Notes for Wall Sections

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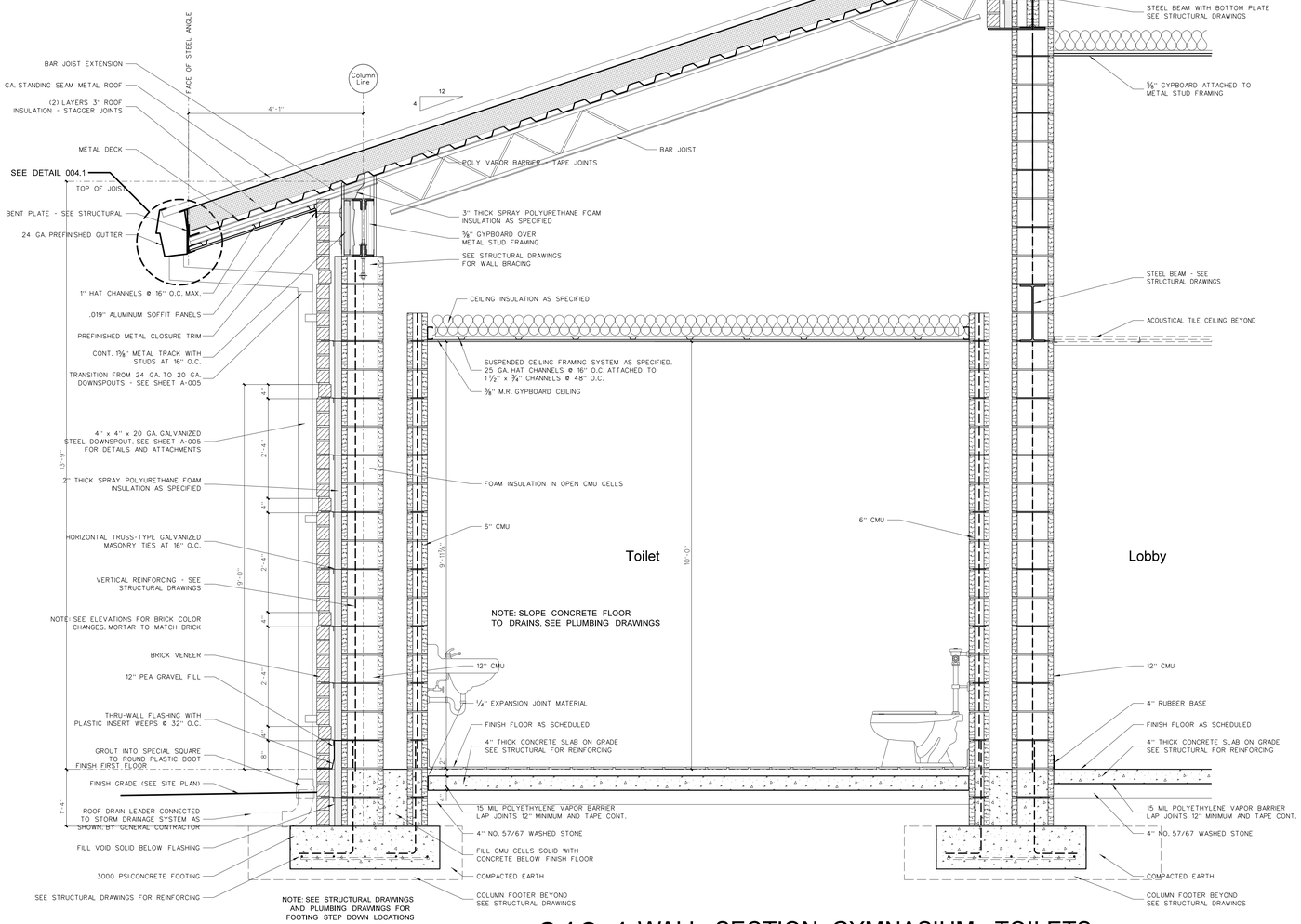
(14) PROVIDE PRE-FORMED THRU-WALL FLASHING CORNER MEMBERS FOR EXTERIOR WALL CORNERS AS SPECIFIED.

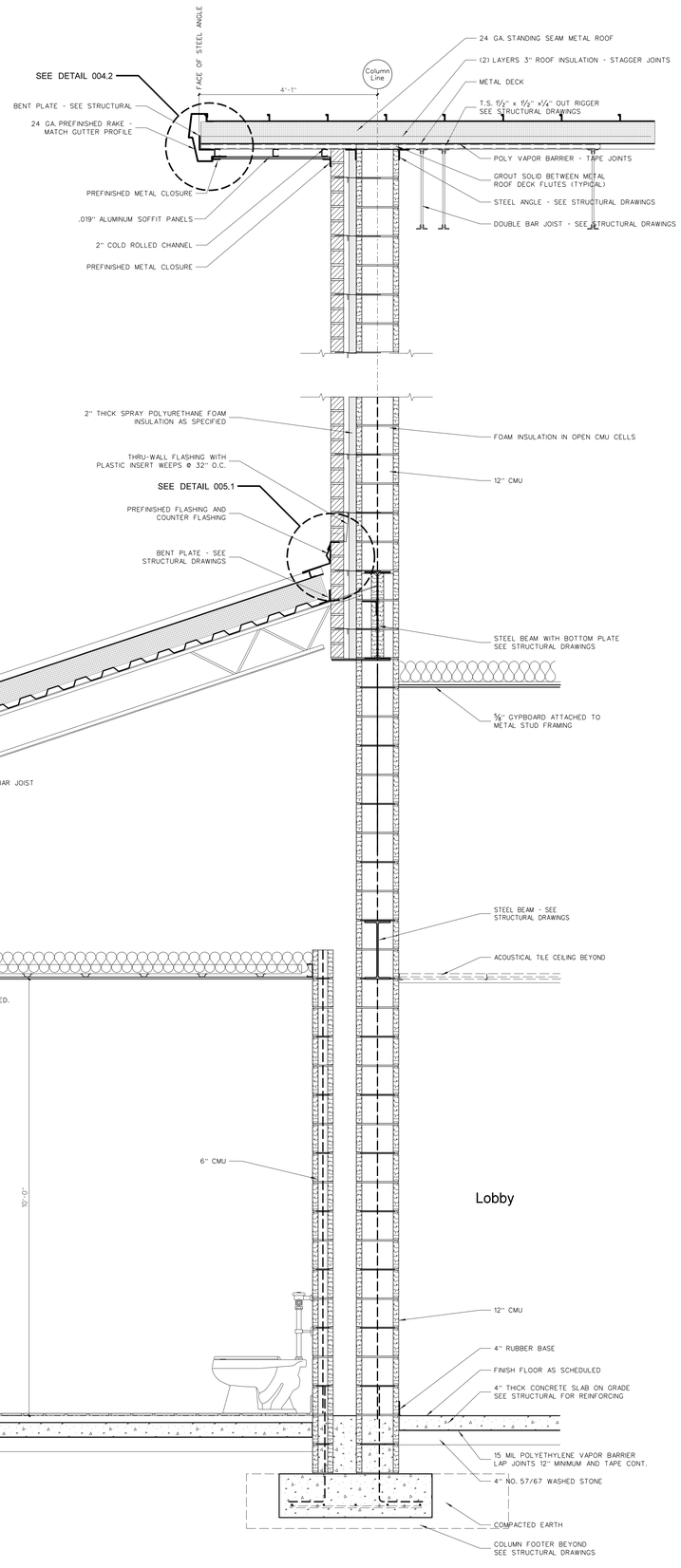
(15) IDENTIFICATION: ALL FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS, SMOKE PARTITIONS SHALL BE PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING. SUCH IDENTIFICATIONS SHALL BE ABOVE ANY CEILING OR OTHER CONCEALED SPACES. EXAMPLE WORDING: "2-HOUR FIRE BARRIER, PROTECT ALL OPENINGS." LETTERS SHALL BE A MINIMUM 2" TALL.

(16) PAINT ALL EXPOSED PVC BOOTS AND ROOF DRAIN LEADERS AT GUTTER ROL TRANSITION TO MATCH METAL GUTTER.



819.2 BRICK BENCH DETAIL
SCALE: 3/4" = 1'-0"





819.1 WALL SECTION: GYMNASIUM TOILETS
SCALE: 3/4" = 1'-0"

No.	Date	Revision

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HITE ASSOCIATES, P.C. — ARCHITECTURAL CORPORATION — REGISTERED — GREENVILLE, N.C.

RECORD DRAWING

New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

RECORD DRAWING

Project No. 21131
Date: 28 March 2012
Drawing no. A 819

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General Notes for Wall Sections

(1) SEE EXTERIOR ELEVATIONS FOR BRICK COLOR.

(2) GENERAL CONTRACTOR SHALL VERIFY TOP OF FINISH GRADES, TOP OF OF CONCRETE WALKS AND TOP OF CONCRETE SLABS ADJACENT TO BUILDING AND ADJUST LOCATION OF THROUGH WALL FLASHING ACCORDINGLY.

(3) PROVIDE PLASTIC INSERT WEEPS AT ALL AT DOOR, WINDOW AND FLOOR FLASHING.

(4) ALL CMU CELLS BELOW FINISH FLOOR SHALL BE FILLED WITH CONCRETE.

(5) GENERAL CONTRACTOR SHALL SLOPE CONCRETE FLOOR TO FLOOR DRAINS AS SHOWN ON PLUMBING DRAWINGS.

(6) ALL VAPOR BARRIERS UNDER FLOOR SLABS SHALL BE 15 MIL, LAPPED 12" MINIMUM AND TAPED CONTINUOUS AT JOINTS. GENERAL CONTRACTOR SHALL REPAIR ANY DAMAGED VAPOR BARRIER PRIOR TO PLACING CONCRETE.

(7) PROVIDE R-18 MINIMUM SPRAY POLYURETHANE INSULATION IN ALL METAL STUDS EXTERIOR WALLS. SEE WALL SECTIONS AND SPECIFICATIONS.

(8) PROVIDE SPRAY POLYURETHANE INSULATION IN ALL NESTED METAL STUD WINDOW AND DOOR JAMBS, SILLS AND HEADS.

(9) PROVIDE FOAM INSULATION IN ALL EXTERIOR WALL OPEN CMU CELLS.

(10) ALL INTERIOR METAL STUD/GYPSUM WALLBOARD PARTITIONS REQUIRE SOUND ATTENUATION BATTS.

(11) PROVIDE GYPSUM CONTROL JOINTS AT ALL GYPBOARD / METAL STUD WINDOW JAMBS. SEE INTERIOR ELEVATIONS.

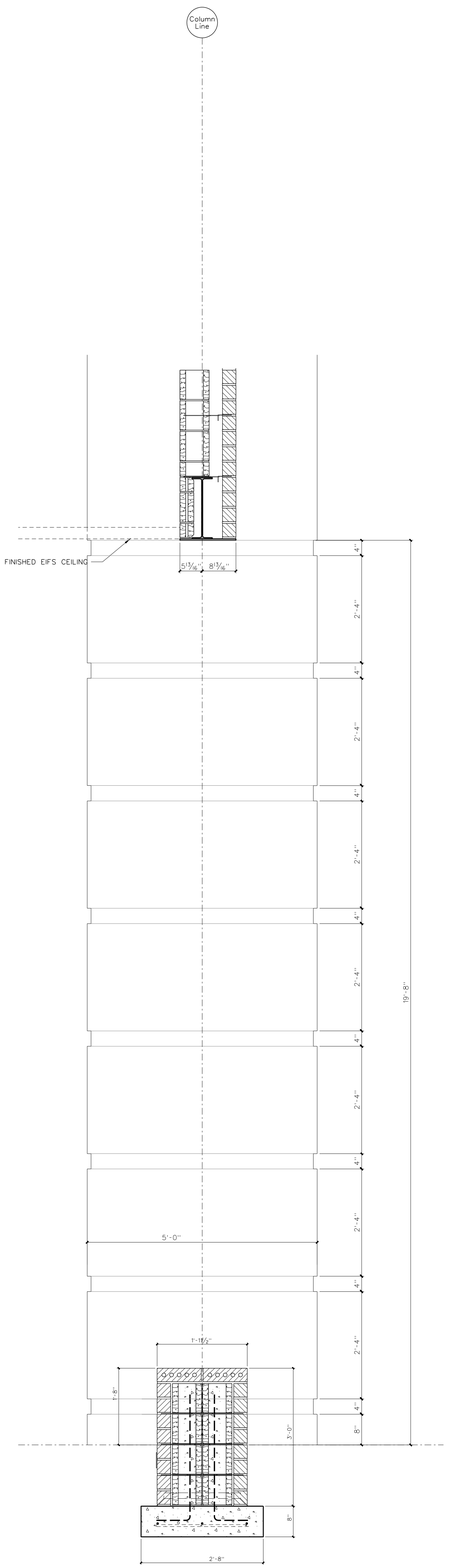
(12) ALL SEALANT COLORS TO BE SELECTED BY ARCHITECT.

(13) ROOF INSULATION: TAPE ALL ROOF INSULATION JOINTS, BOTH LAYER. LAP AND TAPE VAPOR BARRIER. ARCHITECT TO FIELD VERIFY PRIOR TO METAL ROOF PANEL INSTALLATION.

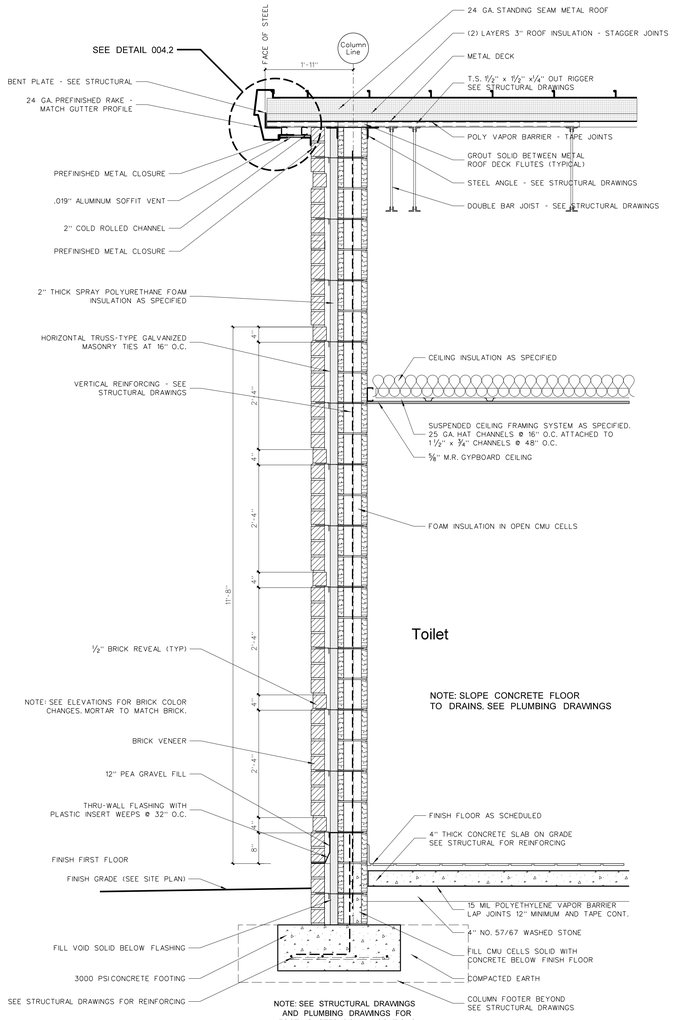
(14) PROVIDE PRE-FORMED THRU-WALL FLASHING CORNER MEMBERS FOR EXTERIOR WALL CORNERS AS SPECIFIED.

(15) IDENTIFICATION: ALL FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS, SMOKE PARTITIONS SHALL BE PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING. SUCH IDENTIFICATIONS SHALL BE ABOVE ANY CEILING OR OTHER CONCEALED SPACES. EXAMPLE WORDING: "2-HOUR FIRE BARRIER, PROTECT ALL OPENINGS." LETTERS SHALL BE A MINIMUM 2" TALL.

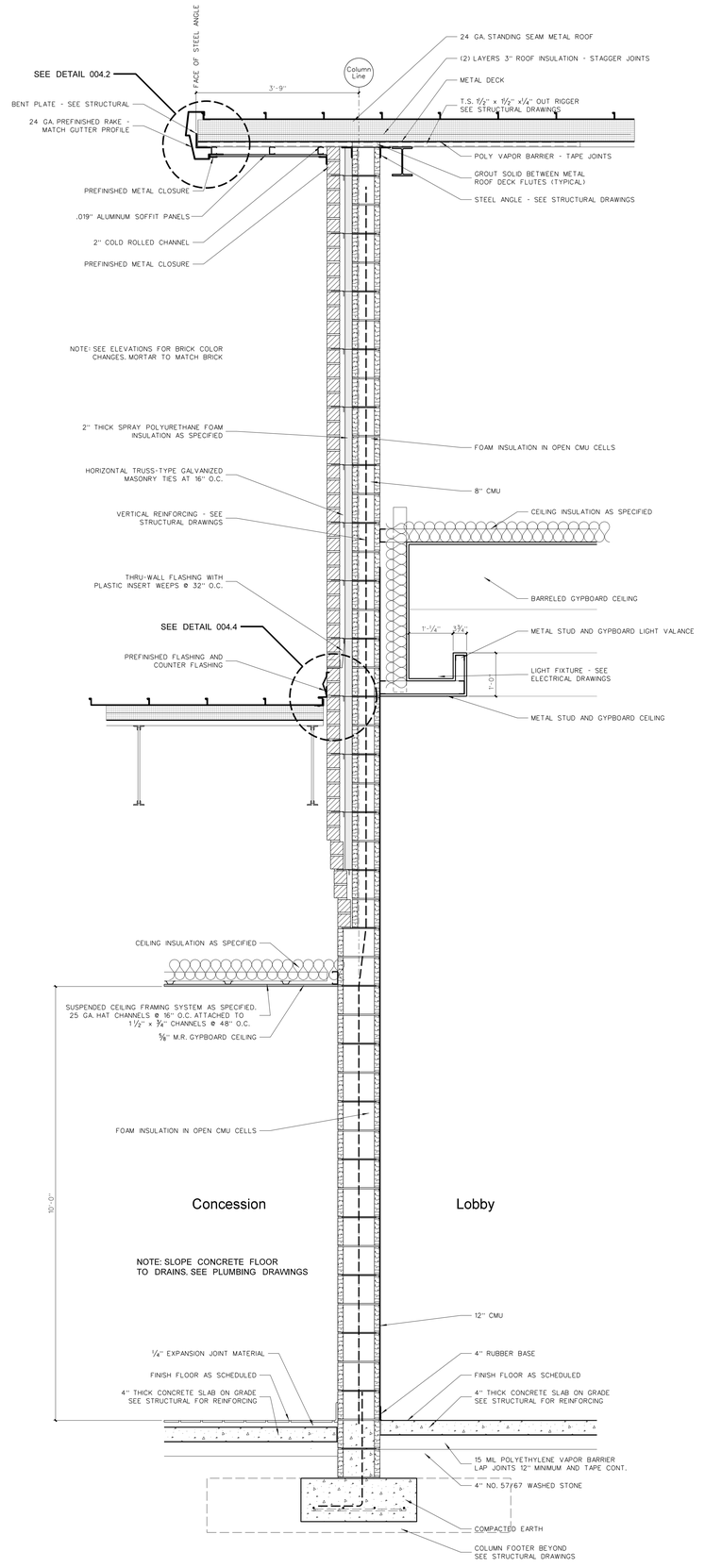
(16) PAINT ALL EXPOSED PVC BOOTS AND ROOF DRAIN LEADERS AT GUTTER RDL TRANSITION TO MATCH METAL GUTTER.



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



820.2 WALL SECTION: TOILET ENDWALL
SCALE: 3/4" = 1'-0"



820.1 WALL SECTION: GYMNASIUM LOBBY
SCALE: 3/4" = 1'-0"

No.	Date	Revision

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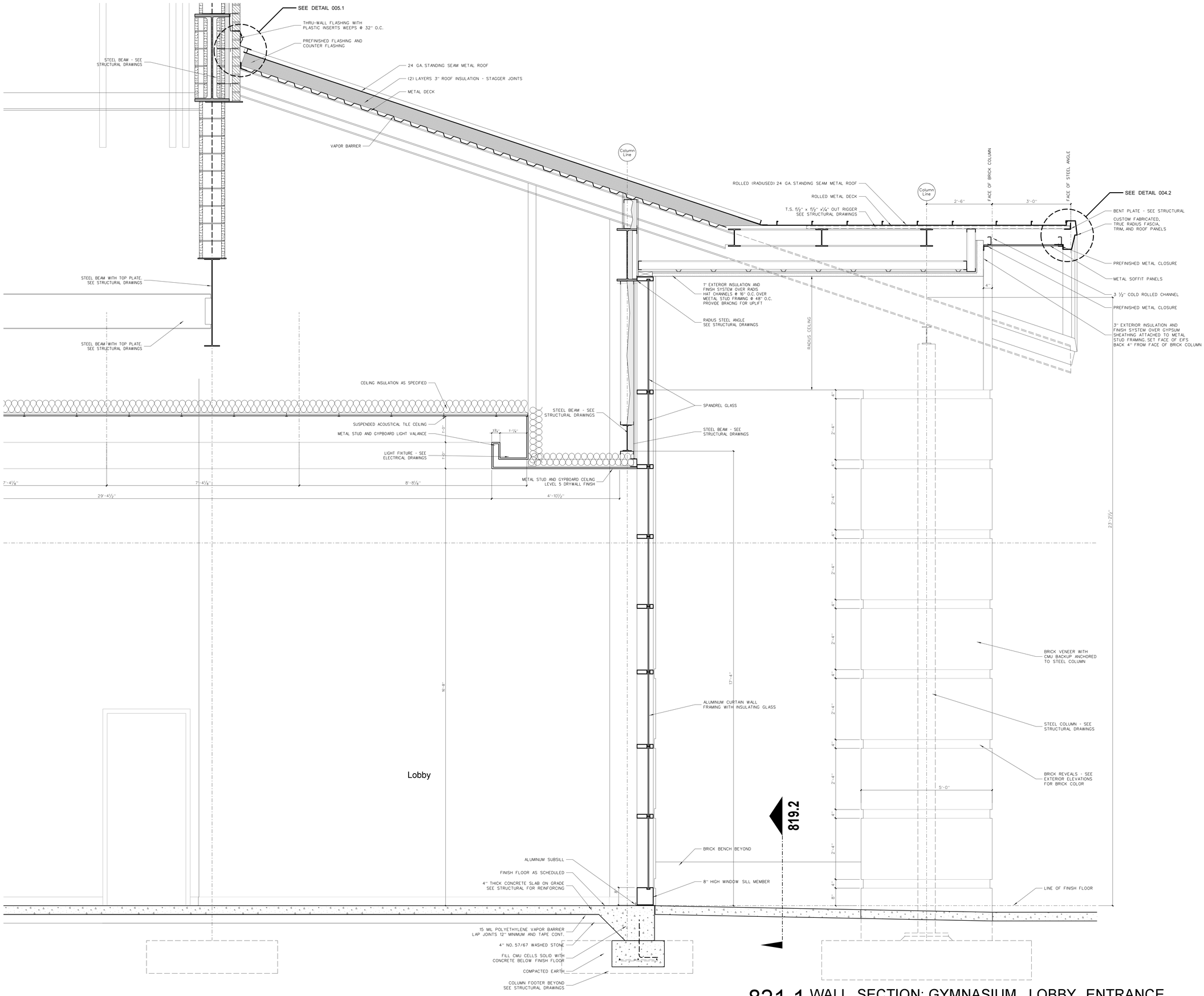
RECORD DRAWING

New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
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RECORD DRAWING

Project No. 21131
Date: 28 March 2012
Drawing no. A 820

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821.1 WALL SECTION: GYMNASIUM LOBBY ENTRANCE
SCALE: 3/4" = 1'-0"

No.	Date	Revision

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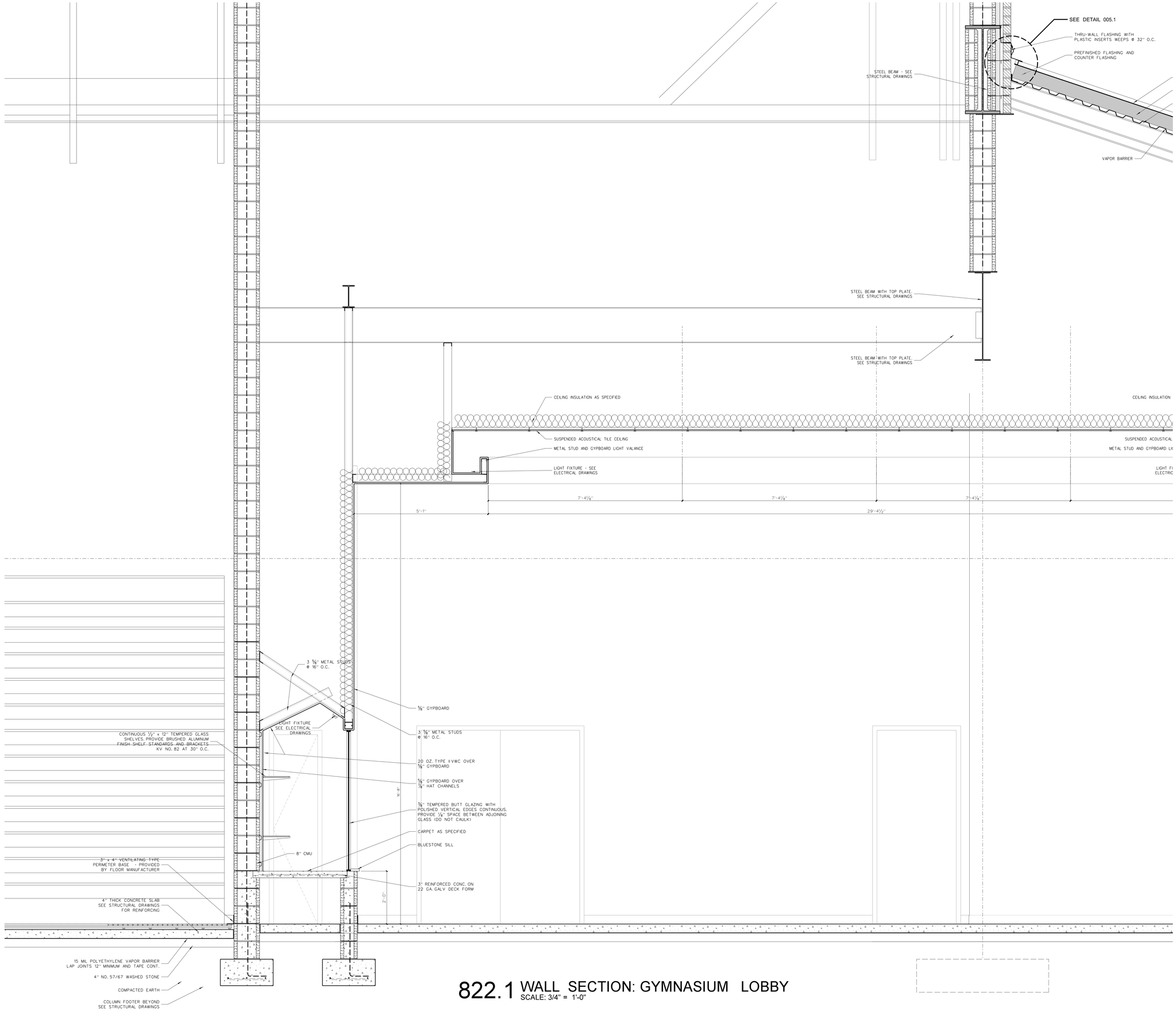
RECORD DRAWING

New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

RECORD DRAWING

Project No. 21131
Date 28 March 2012
Drawing no. A 821

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822.1 WALL SECTION: GYMNASIUM LOBBY

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

No.	Date	Revision

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HITE ASSOCIATES, P.C. ARCHITECTURAL CORPORATION LICENSE NUMBER C-1218 GREENVILLE, N.C.

RECORD DRAWING

New Bertie High School
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Windsor / Bertie County / North Carolina

RECORD DRAWING

Project No.	21131
Date	28 March 2012
Drawing no.	A 822

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General Notes for Wall Sections

(1) SEE EXTERIOR ELEVATIONS FOR BRICK COLOR.

(2) GENERAL CONTRACTOR SHALL VERIFY TOP OF FINISH GRADES, TOP OF OF CONCRETE WALKS AND TOP OF CONCRETE SLABS ADJACENT TO BUILDING AND ADJUST LOCATION OF THROUGH WALL FLASHING ACCORDINGLY.

(3) PROVIDE PLASTIC INSERT WEEPS AT ALL AT DOOR, WINDOW AND FLOOR FLASHING.

(4) ALL CMU CELLS BELOW FINISH FLOOR SHALL BE FILLED WITH CONCRETE.

(5) GENERAL CONTRACTOR SHALL SLOPE CONCRETE FLOOR TO FLOOR DRAINS AS SHOWN ON PLUMBING DRAWINGS.

(6) ALL VAPOR BARRIERS UNDER FLOOR SLABS SHALL BE 15 MIL, LAPPED 12" MINIMUM AND TAPED CONTINUOUS AT JOINTS. GENERAL CONTRACTOR SHALL REPAIR ANY DAMAGED VAPOR BARRIER PRIOR TO PLACING CONCRETE.

(7) PROVIDE R-18 MINIMUM SPRAY POLYURETHANE INSULATION IN ALL METAL STUDS EXTERIOR WALLS. SEE WALL SECTIONS AND SPECIFICATIONS.

(8) PROVIDE SPRAY POLYURETHANE INSULATION IN ALL NESTED METAL STUD WINDOW AND DOOR JAMBS, SILLS AND HEADS.

(9) PROVIDE FOAM INSULATION IN ALL EXTERIOR WALL OPEN CMU CELLS.

(10) ALL INTERIOR METAL STUD/GYPSUM WALLBOARD PARTITIONS REQUIRE SOUND ATTENUATION BATTS.

(11) PROVIDE GYPSUM CONTROL JOINTS AT ALL GYPBOARD / METAL STUD WINDOW JAMBS. SEE INTERIOR ELEVATIONS.

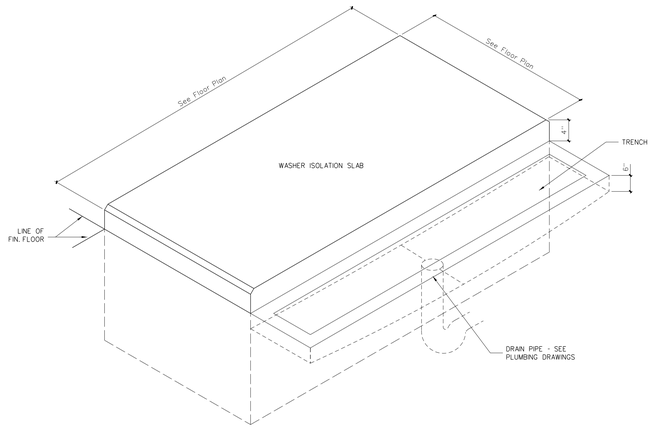
(12) ALL SEALANT COLORS TO BE SELECTED BY ARCHITECT.

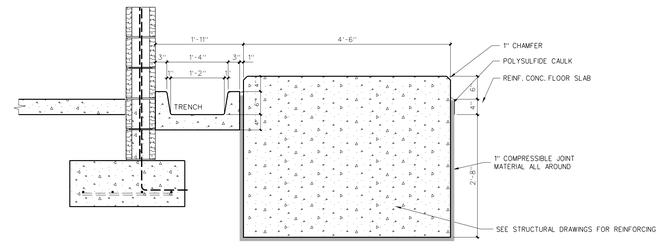
(13) ROOF INSULATION: TAPE ALL ROOF INSULATION JOINTS, BOTH LAYER, LAP AND TAPE VAPOR BARRIER. ARCHITECT TO FIELD VERIFY PRIOR TO METAL ROOF PANEL INSTALLATION.

(14) PROVIDE PRE-FORMED THRU-WALL FLASHING CORNER MEMBERS FOR EXTERIOR WALL CORNERS AS SPECIFIED.

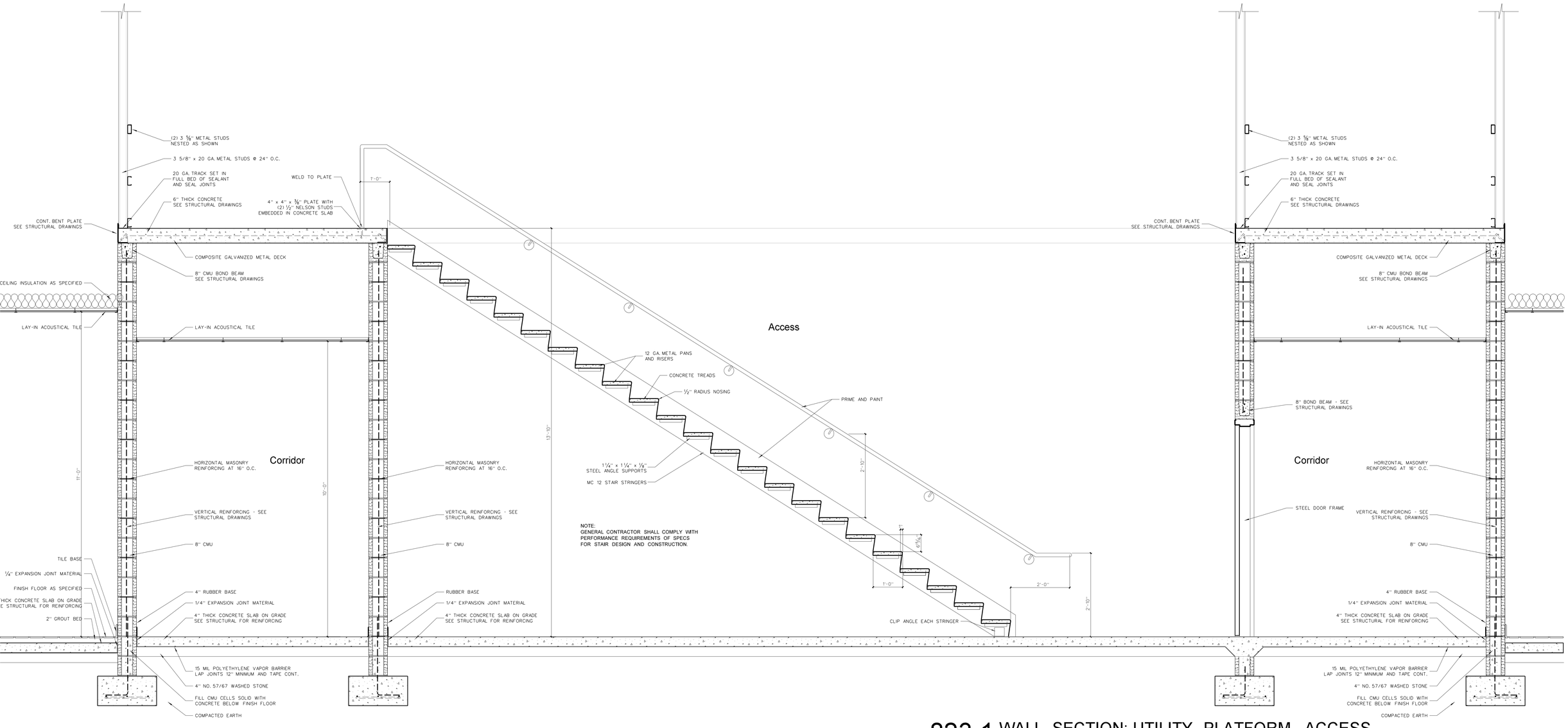
(15) IDENTIFICATION: ALL FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS, SMOKE PARTITIONS SHALL BE PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING. SUCH IDENTIFICATIONS SHALL BE ABOVE ANY CEILING OR OTHER CONCEALED SPACES. EXAMPLE WORDING "2-HOUR FIRE BARRIER, PROTECT ALL OPENINGS." LETTERS SHALL BE A MINIMUM 2" TALL.

(16) PAINT ALL EXPOSED PVC BOOTS AND ROOF DRAIN LEADERS AT GUTTER RDL TRANSITION TO MATCH METAL GUTTER.





823.2 WASHER / DRYER ISOLATION SLAB DETAIL
SCALE: 3/4" = 1'-0"



823.1 WALL SECTION: UTILITY PLATFORM ACCESS
SCALE: 3/4" = 1'-0"

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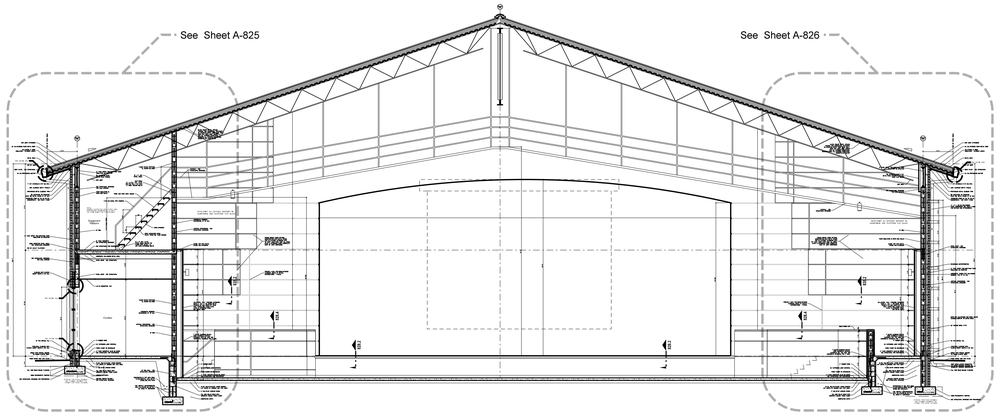
RECORD DRAWING

New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

RECORD DRAWING

Project No.	21131
Date:	28 March 2012
Drawing no.	A 823

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824.3 BUILDING SECTION: AUDITORIUM
SCALE: 1/8" = 1'-0"

General Notes for Wall Sections

(1) SEE EXTERIOR ELEVATIONS FOR BRICK COLOR.

(2) GENERAL CONTRACTOR SHALL VERIFY TOP OF FINISH GRADES, TOP OF OF CONCRETE WALKS AND TOP OF CONCRETE SLABS ADJACENT TO BUILDING AND ADJUST LOCATION OF THROUGH WALL FLASHING ACCORDINGLY.

(3) PROVIDE PLASTIC INSERT WEEPS AT ALL AT DOOR, WINDOW AND FLOOR FLASHING.

(4) ALL CMU CELLS BELOW FINISH FLOOR SHALL BE FILLED WITH CONCRETE.

(5) GENERAL CONTRACTOR SHALL SLOPE CONCRETE FLOOR TO FLOOR DRAINS AS SHOWN ON PLUMBING DRAWINGS.

(6) ALL VAPOR BARRIERS UNDER FLOOR SLABS SHALL BE 15 MIL, LAPPED 12" MINIMUM AND TAPED CONTINUOUS AT JOINTS. GENERAL CONTRACTOR SHALL REPAIR ANY DAMAGED VAPOR BARRIER PRIOR TO PLACING CONCRETE.

(7) PROVIDE R-18 MINIMUM SPRAY POLYURETHANE INSULATION IN ALL METAL STUDS EXTERIOR WALLS. SEE WALL SECTIONS AND SPECIFICATIONS.

(8) PROVIDE SPRAY POLYURETHANE INSULATION IN ALL NESTED METAL STUD WINDOW AND DOOR JAMBS, SILLS AND HEADS.

(9) PROVIDE FOAM INSULATION IN ALL EXTERIOR WALL OPEN CMU CELLS.

(10) ALL INTERIOR METAL STUD/GYPSUM WALLBOARD PARTITIONS REQUIRE SOUND ATTENUATION BATTS.

(11) PROVIDE GYPSUM CONTROL JOINTS AT ALL GYPBOARD / METAL STUD WINDOW JAMBS. SEE INTERIOR ELEVATIONS.

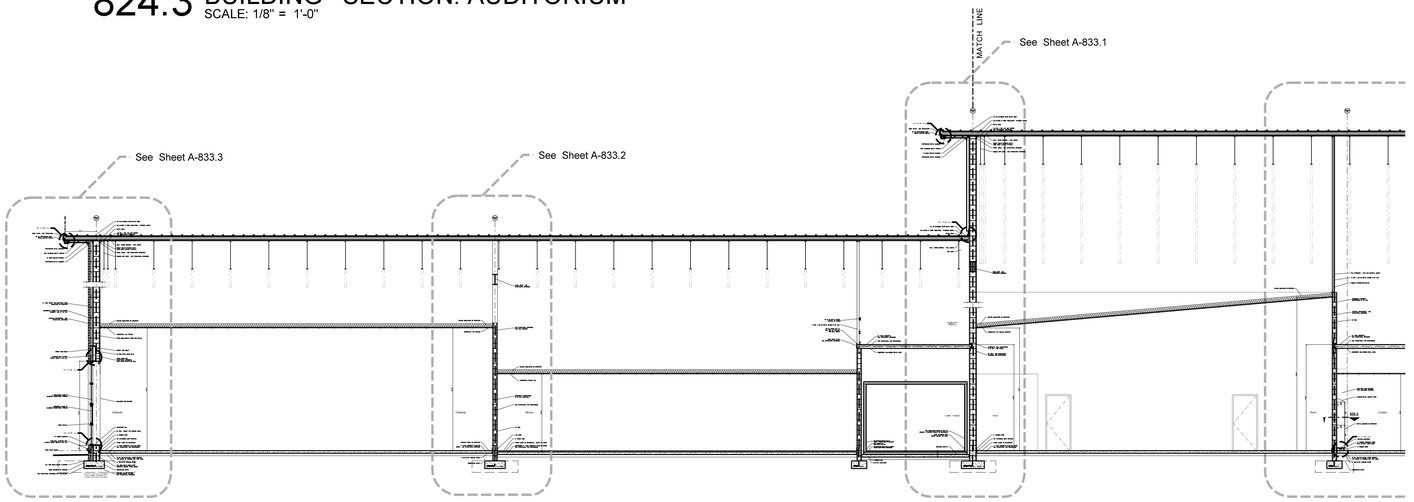
(12) ALL SEALANT COLORS TO BE SELECTED BY ARCHITECT.

(13) ROOF INSULATION: TAPE ALL ROOF INSULATION JOINTS, BOTH LAYER. LAP AND TAPE VAPOR BARRIER. ARCHITECT TO FIELD VERIFY PRIOR TO METAL ROOF PANEL INSTALLATION.

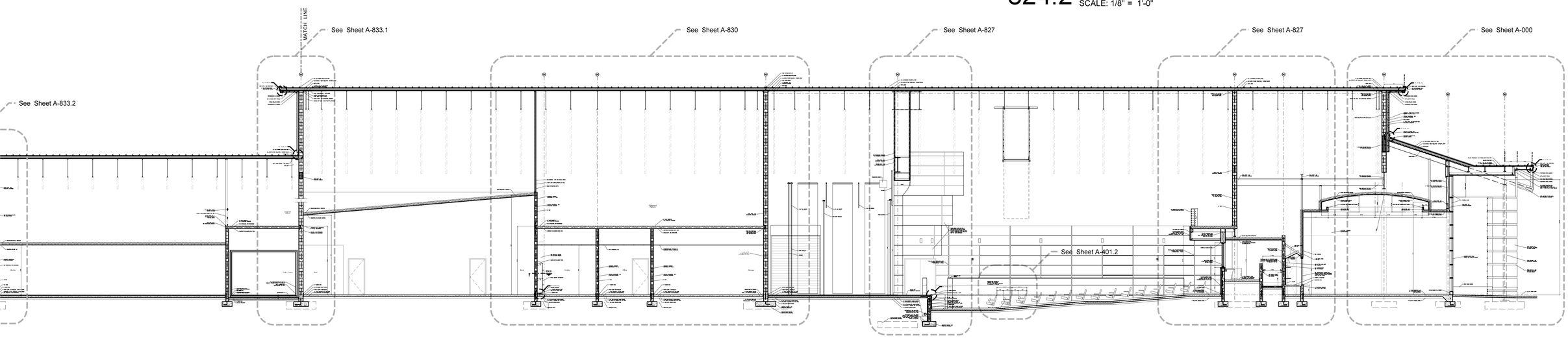
(14) PROVIDE PRE-FORMED THRU-WALL FLASHING CORNER MEMBERS FOR EXTERIOR WALL CORNERS AS SPECIFIED.

(15) IDENTIFICATION: ALL FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS, SMOKE PARTITIONS SHALL BE PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING. SUCH IDENTIFICATIONS SHALL BE ABOVE ANY CEILING OR OTHER CONCEALED SPACES. EXAMPLE WORDING "2-HOUR FIRE BARRIER, PROTECT ALL OPENINGS." LETTERS SHALL BE A MINIMUM 2" TALL.

(16) PAINT ALL EXPOSED PVC BOOTS AND ROOF DRAIN LEADERS AT GUTTER RDL TRANSITION TO MATCH METAL GUTTER.



824.2 BUILDING SECTION: DINING TO BAND ROOM
SCALE: 1/8" = 1'-0"



824.1 BUILDING SECTION: KITCHEN TO AUDITORIUM
SCALE: 1/8" = 1'-0"

No.	Date	Revision

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HITE ASSOCIATES, P.C. CORPORATION NUMBER 418 GREENVILLE, NORTH CAROLINA

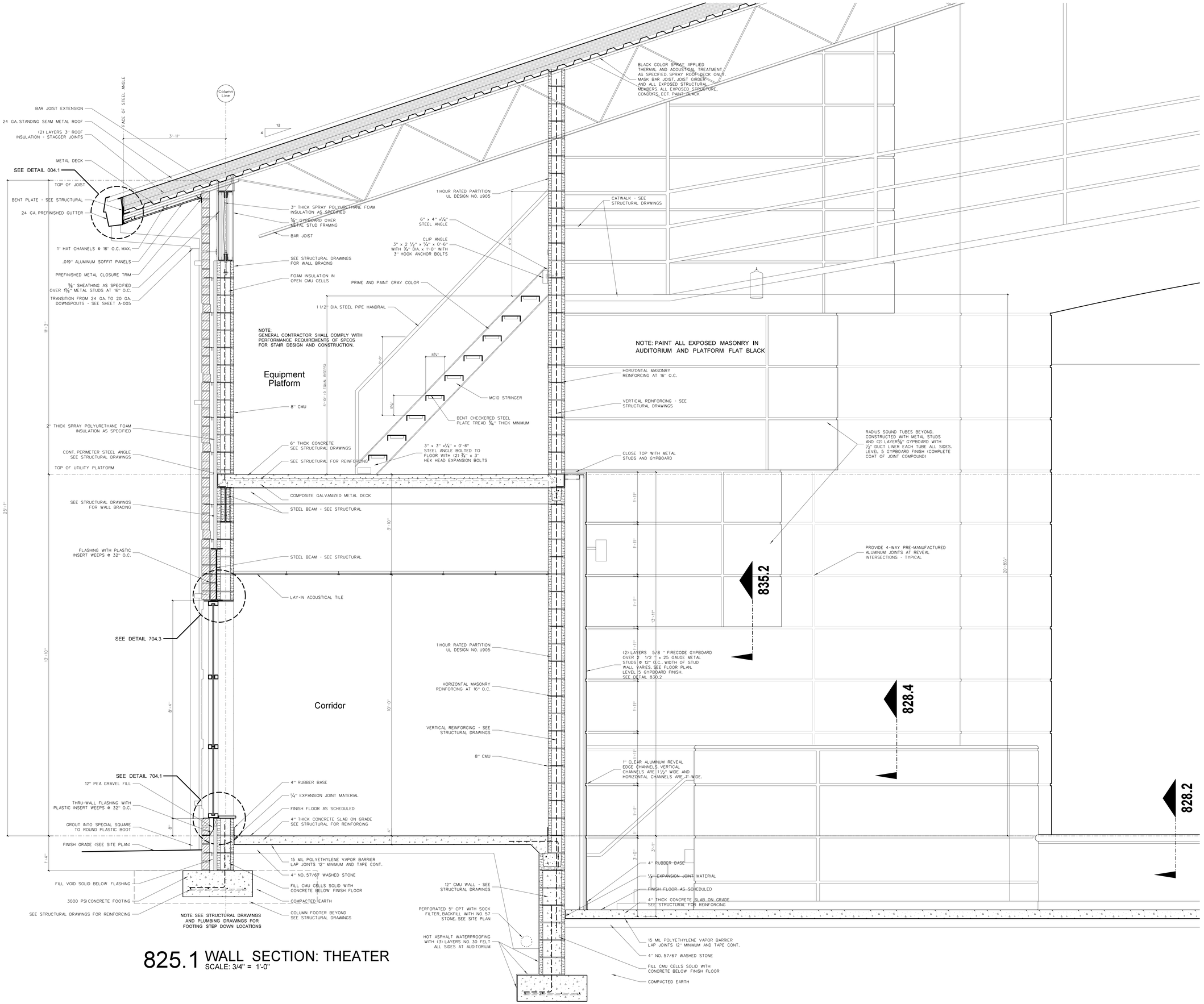
RECORD DRAWING

New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

RECORD DRAWING

Project No. 21131
Date: 28 March 2012
Drawing no. A 824

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

No.	Date	Revision

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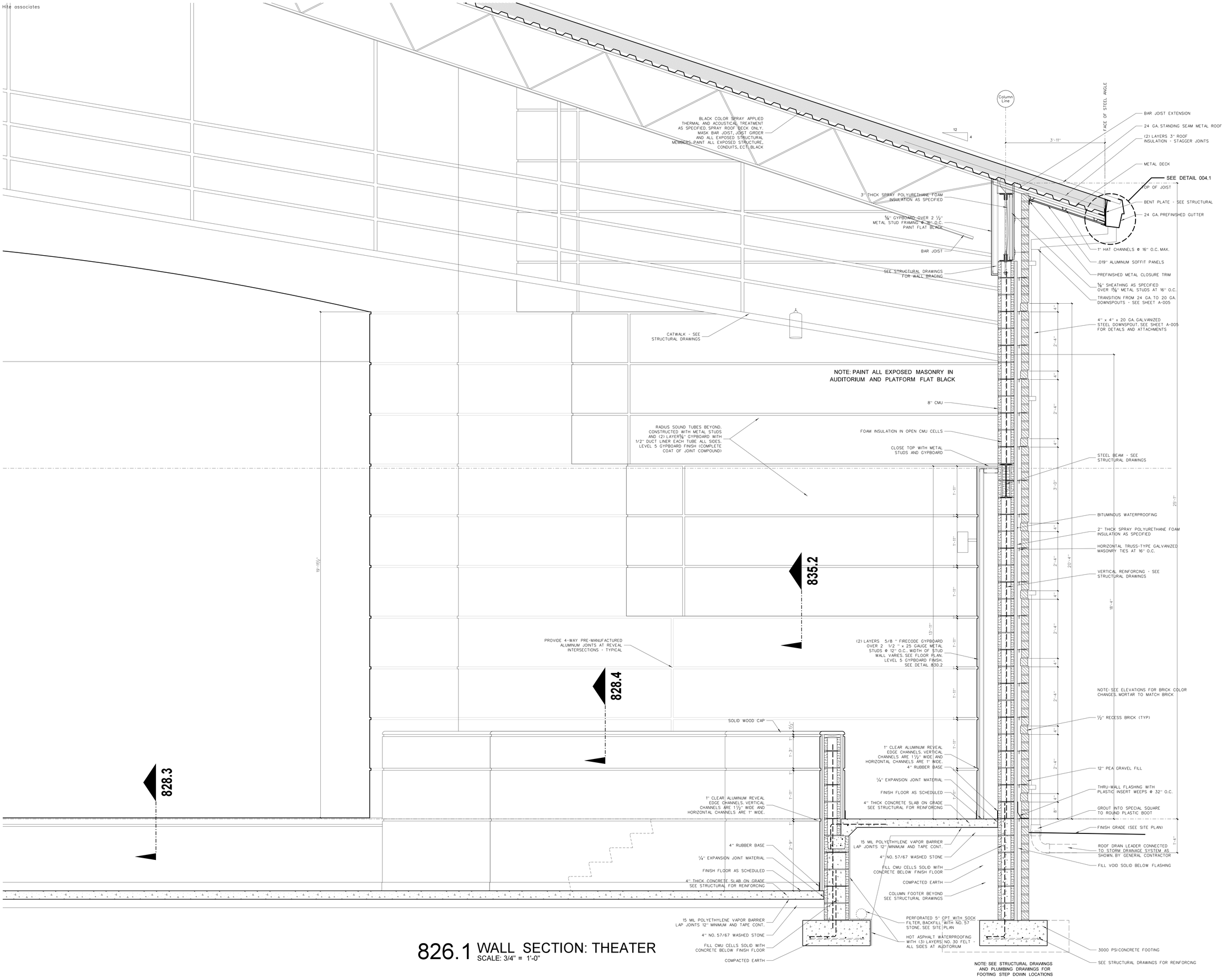
RECORD DRAWING

New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

RECORD DRAWING

Project No.	21131
Date	28 March 2012
Drawing no.	A 825

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

No.	Date	Revision

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HITE ASSOCIATES, P.C. ARCHITECTURAL CORPORATION REGISTERED CORPORATE NUMBER C-418 STATE OF N.C. GREENVILLE

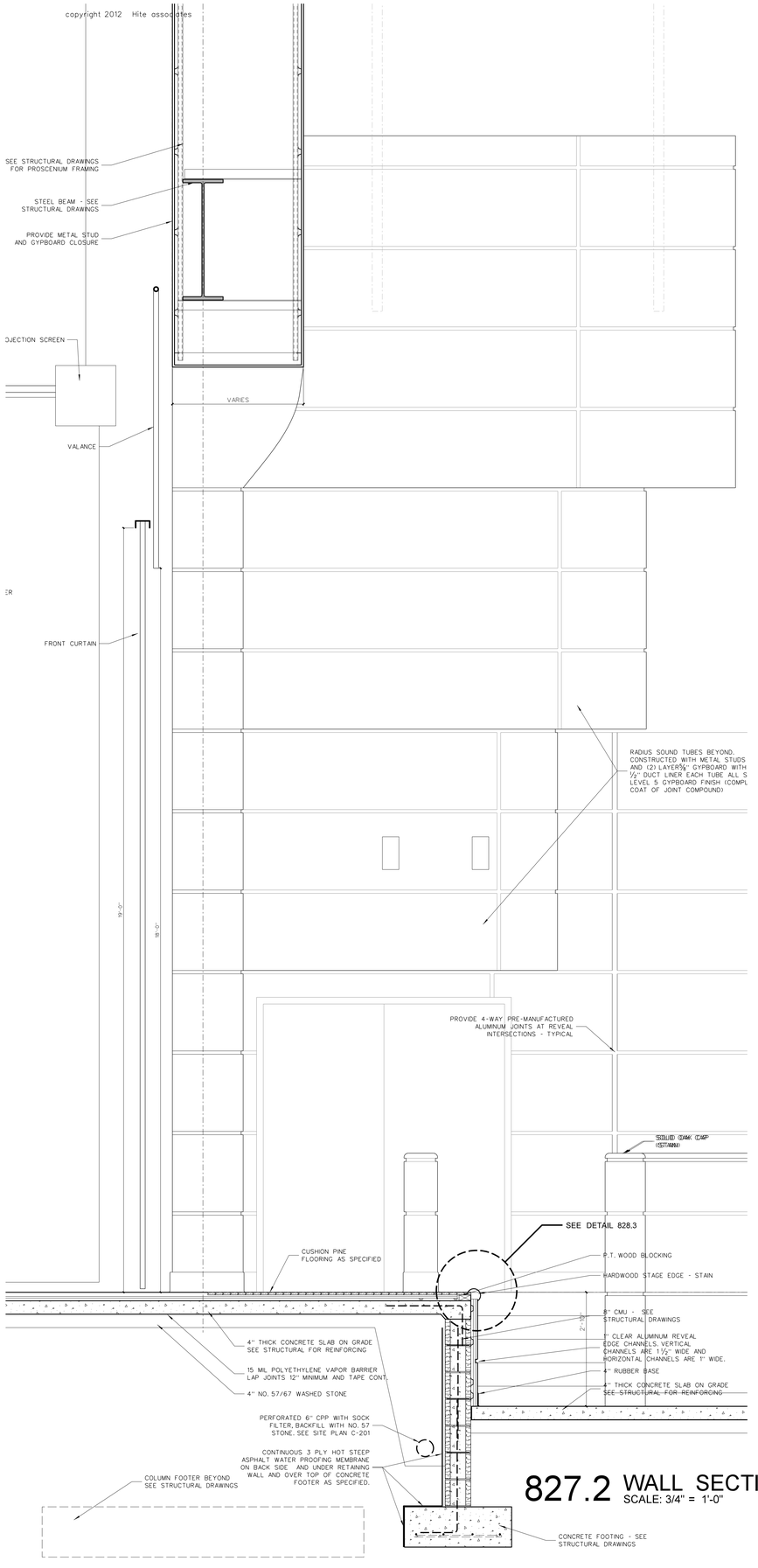
RECORD DRAWING

New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

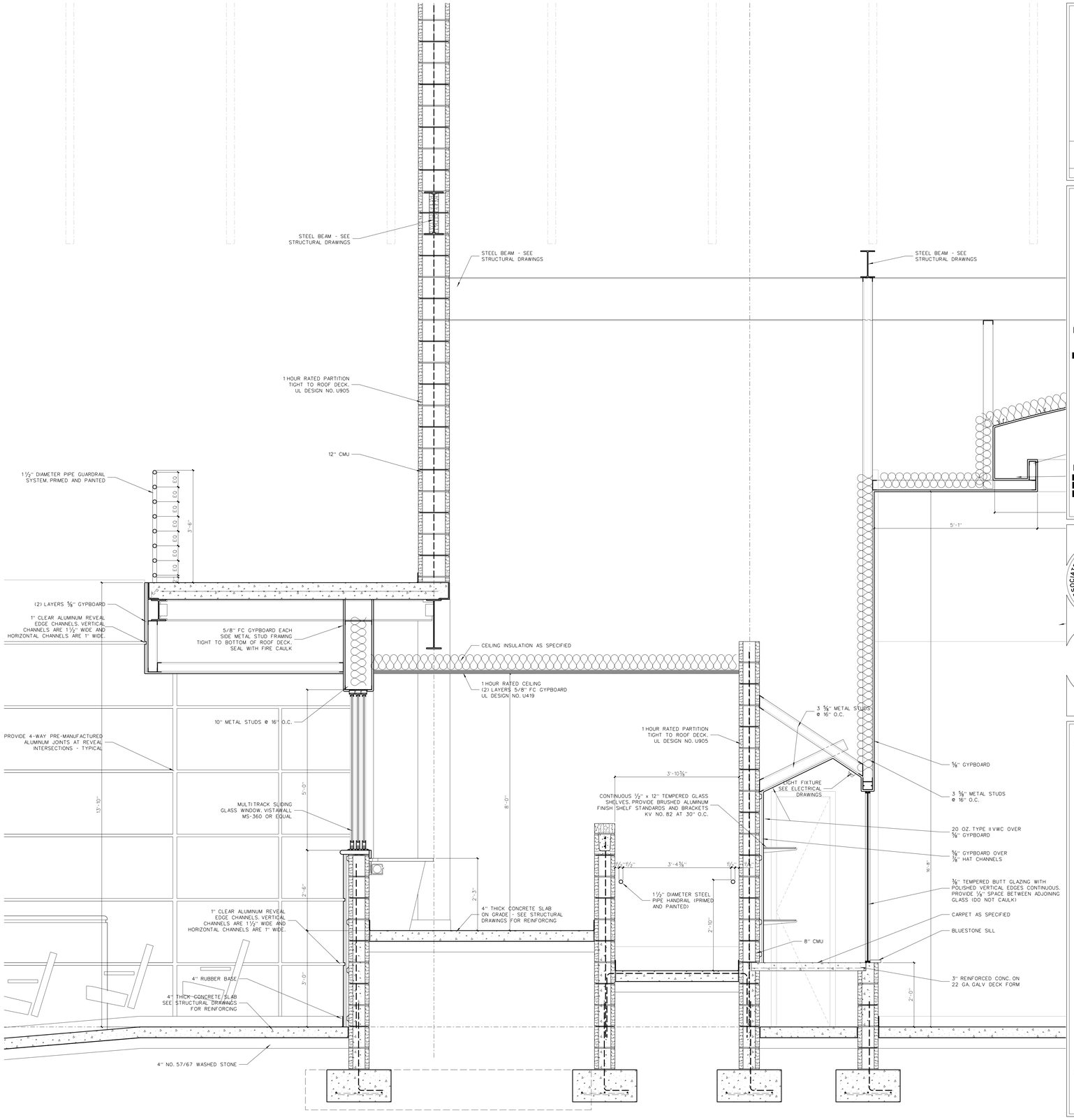
RECORD DRAWING

Project No.	21131
Date:	28 March 2012
Drawing no.	A 826

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



827.1 WALL SECTION: PROJECTION LOFT
SCALE: 3/4" = 1'-0"

No.	Date	Revision

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HITE ASSOCIATES, P.C. — ARCHITECTURAL CORPORATION — LICENSE NUMBER C-0418 — STATE OF NORTH CAROLINA — GREENVILLE

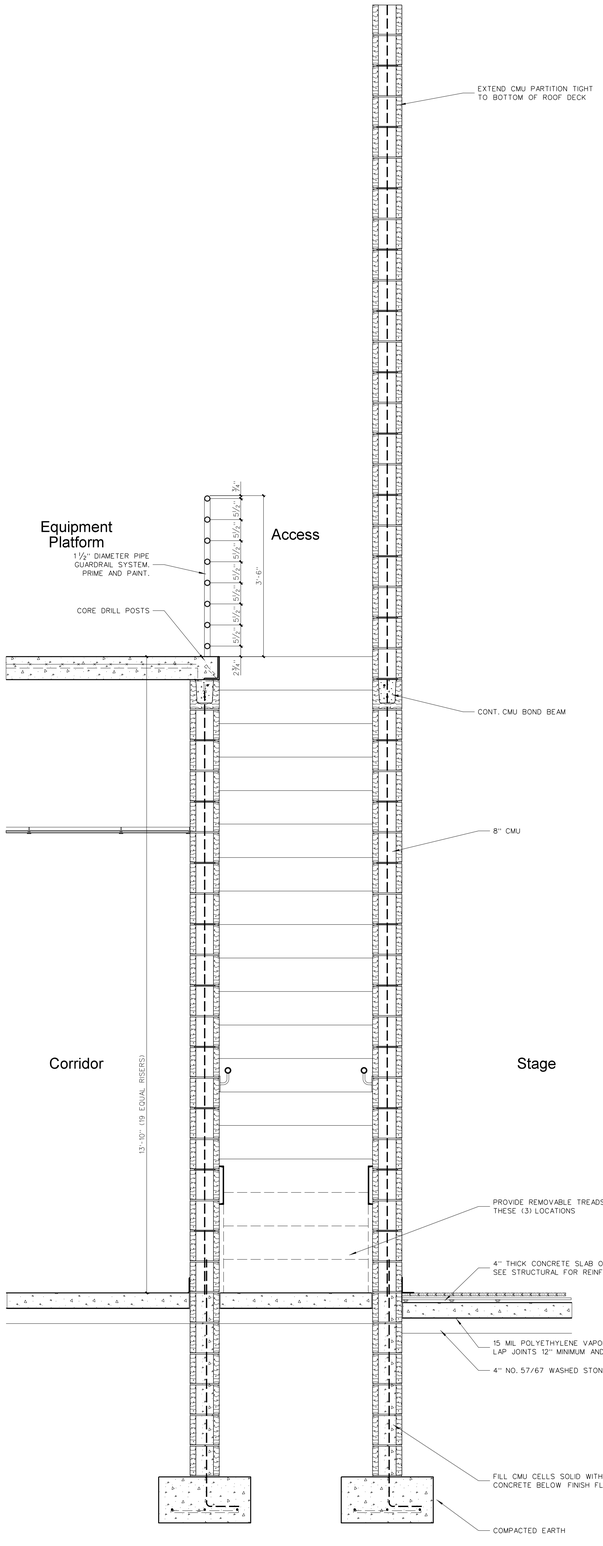
RECORD DRAWING

New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
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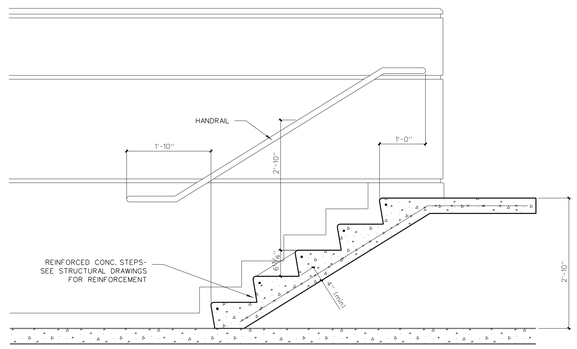
RECORD DRAWING

Project No.	21131
Date:	28 March 2012
Drawing no.	A 827

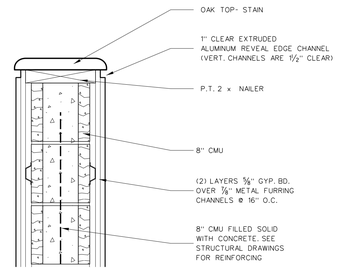
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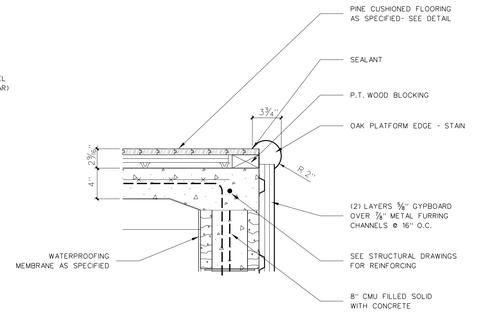
828.2 WALL SECTION: PLATFORM ACCESS AT STAGE
SCALE: 3/4" = 1'-0"



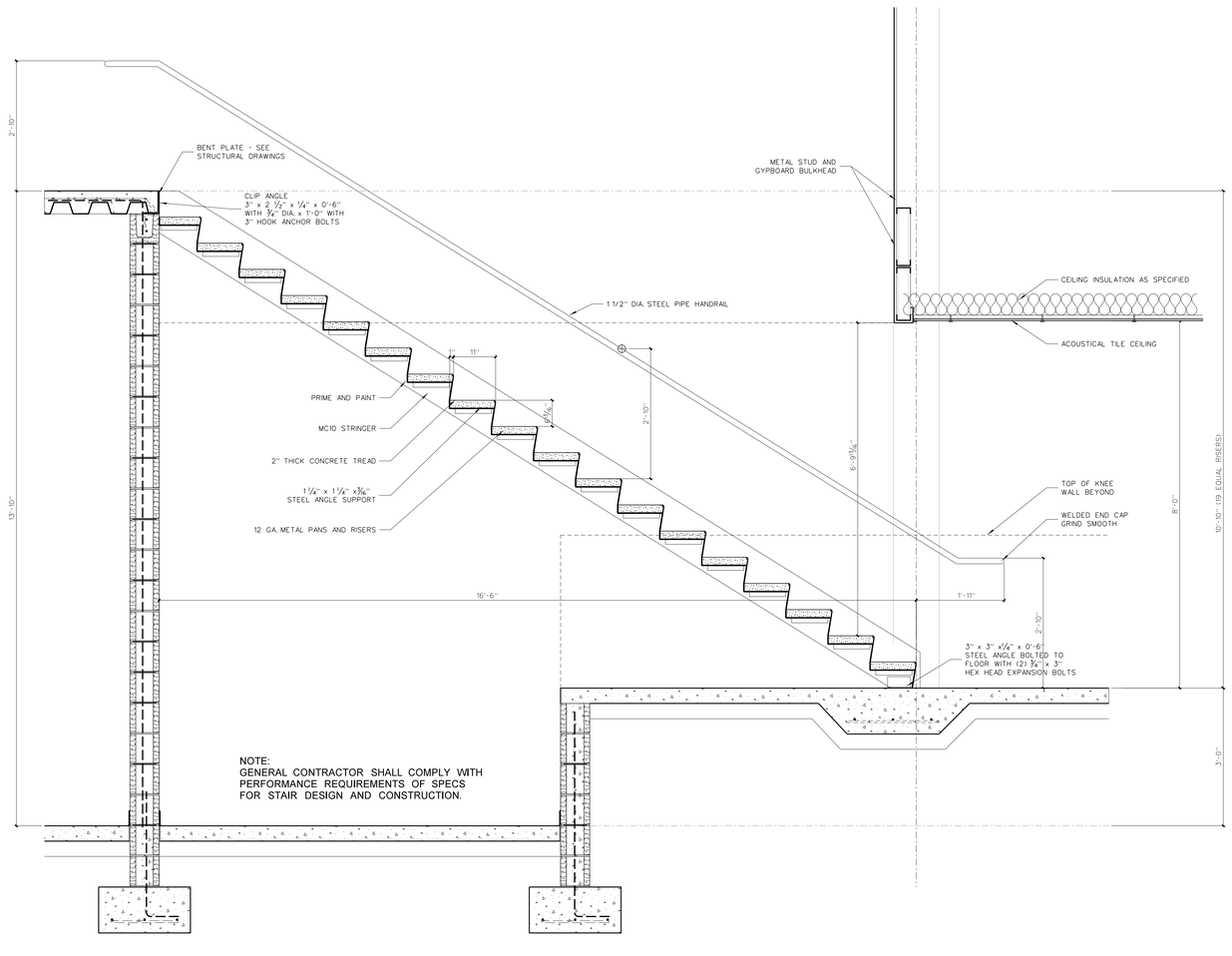
828.5 THEATER STAIRS
SCALE: 3/4" = 1'-0"



828.4 THEATER SCREEN WALL
SCALE: 1 1/2" = 1'-0"



828.3 STAGE EDGE DETAIL
SCALE: 1 1/2" = 1'-0"



828.1 WALL SECTION: PLATFORM ACCESS
SCALE: 3/4" = 1'-0"

No.	Date	Revision

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HITE ASSOCIATES, P.C. ARCHITECTURAL CORPORATION REGISTERED CORPORATE NUMBER C-418 STATE OF NORTH CAROLINA GREENVILLE

RECORD DRAWING

New Bertie High School
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RECORD DRAWING

Project No. 21131
Date 28 March 2012
Drawing no. A 828

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General Notes for Wall Sections

(1) SEE EXTERIOR ELEVATIONS FOR BRICK COLOR.

(2) GENERAL CONTRACTOR SHALL VERIFY TOP OF FINISH GRADES, TOP OF OF CONCRETE WALKS AND TOP OF CONCRETE SLABS ADJACENT TO BUILDING AND ADJUST LOCATION OF THROUGH WALL FLASHING ACCORDINGLY.

(3) PROVIDE PLASTIC INSERT WEEPS AT ALL AT DOOR, WINDOW AND FLOOR FLASHING.

(4) ALL CMU CELLS BELOW FINISH FLOOR SHALL BE FILLED WITH CONCRETE.

(5) GENERAL CONTRACTOR SHALL SLOPE CONCRETE FLOOR TO FLOOR DRAINS AS SHOWN ON PLUMBING DRAWINGS.

(6) ALL VAPOR BARRIERS UNDER FLOOR SLABS SHALL BE 15 MIL, LAPPED 12" MINIMUM AND TAPED CONTINUOUS AT JOINTS. GENERAL CONTRACTOR SHALL REPAIR ANY DAMAGED VAPOR BARRIER PRIOR TO PLACING CONCRETE.

(7) PROVIDE R-18 MINIMUM SPRAY POLYURETHANE INSULATION IN ALL METAL STUDS EXTERIOR WALLS. SEE WALL SECTIONS AND SPECIFICATIONS.

(8) PROVIDE SPRAY POLYURETHANE INSULATION IN ALL NESTED METAL STUD WINDOW AND DOOR JAMBS, SILLS AND HEADS.

(9) PROVIDE FOAM INSULATION IN ALL EXTERIOR WALL OPEN CMU CELLS.

(10) ALL INTERIOR METAL STUD/GYPSUM WALLBOARD PARTITIONS REQUIRE SOUND ATTENUATION BATTS.

(11) PROVIDE GYPSUM CONTROL JOINTS AT ALL GYPBOARD / METAL STUD WINDOW JAMBS. SEE INTERIOR ELEVATIONS.

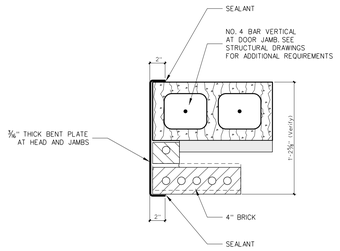
(12) ALL SEALANT COLORS TO BE SELECTED BY ARCHITECT.

(13) ROOF INSULATION: TAPE ALL ROOF INSULATION JOINTS, BOTH LAYER. LAP AND TAPE VAPOR BARRIER. ARCHITECT TO FIELD VERIFY PRIOR TO METAL ROOF PANEL INSTALLATION.

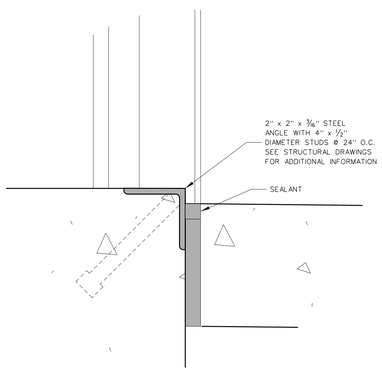
(14) PROVIDE PRE-FORMED THRU-WALL FLASHING CORNER MEMBERS FOR EXTERIOR WALL CORNERS AS SPECIFIED.

(15) IDENTIFICATION: ALL FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS, SMOKE PARTITIONS SHALL BE PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING. SUCH IDENTIFICATIONS SHALL BE ABOVE ANY CEILING OR OTHER CONCEALED SPACES. EXAMPLE WORDING "2-HOUR FIRE BARRIER, PROTECT ALL OPENINGS." LETTERS SHALL BE A MINIMUM 2" TALL.

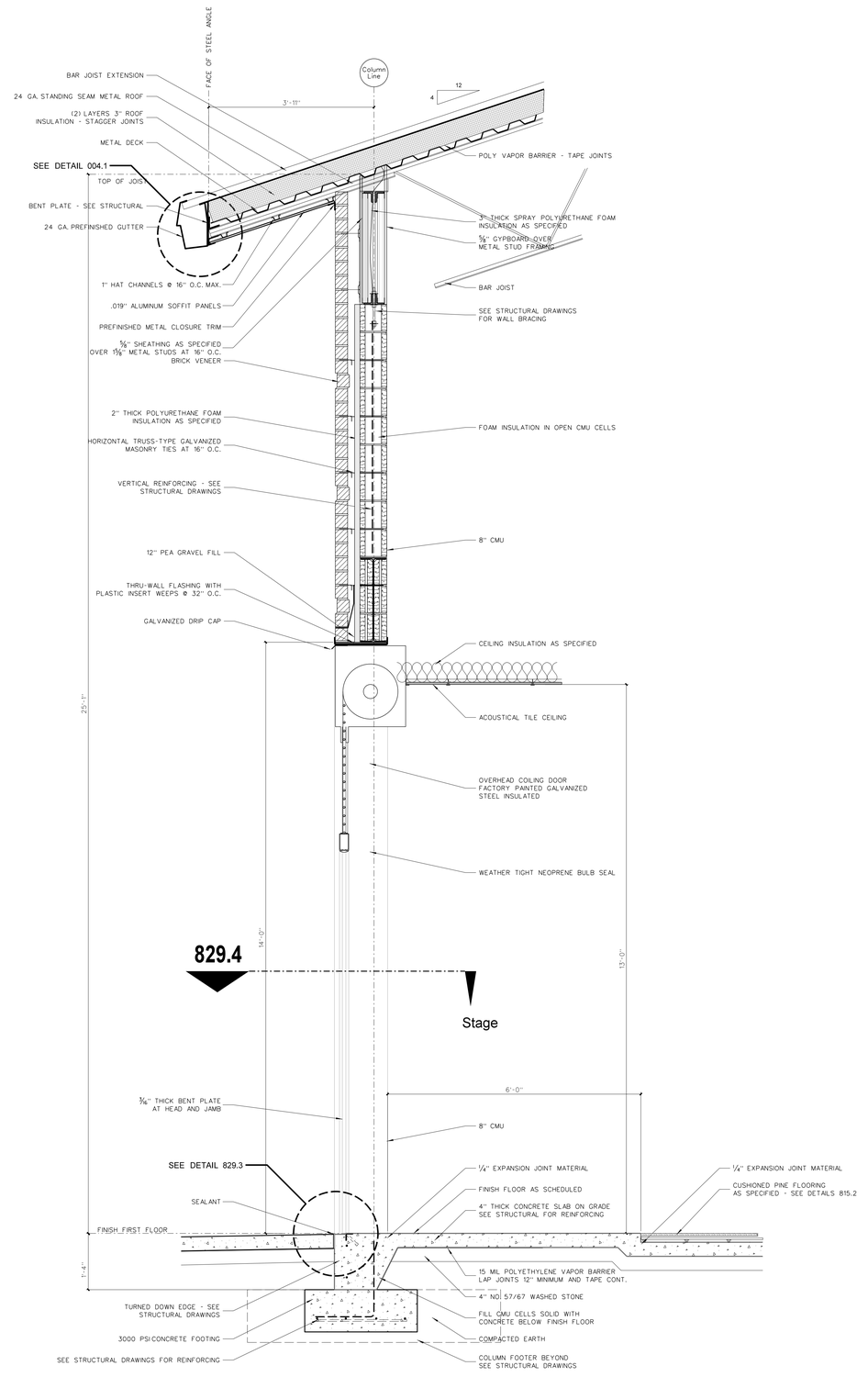
(16) PAINT ALL EXPOSED PVC BOOTS AND ROOF DRAIN LEADERS AT GUTTER RDL TRANSITION TO MATCH METAL GUTTER.



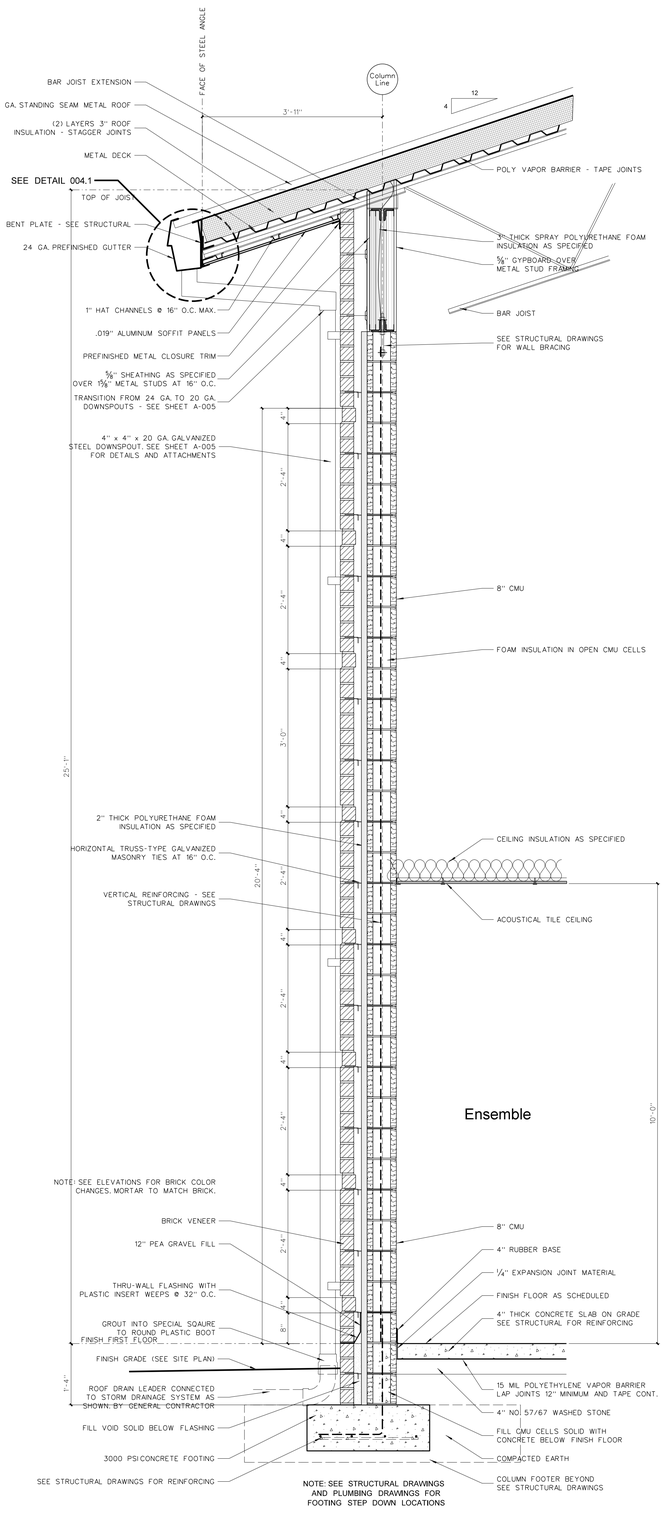
829.4 OVERHEAD DOOR JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



829.3 OVERHEAD DOOR EDGE DETAIL
SCALE: 1 1/2" = 1'-0"



829.2 WALL SECTION: OVERHEAD DOOR @ STAGE
SCALE: 3/4" = 1'-0"



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

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No.	Date	Revision

HITE ASSOCIATES, P.C. ARCHITECTURAL CORPORATION CERTIFICATE NUMBER C-418 GREENVILLE, N.C.

RECORD DRAWING

New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

RECORD DRAWING

Project No. 21131
Date 28 March 2012
Drawing no. A 829

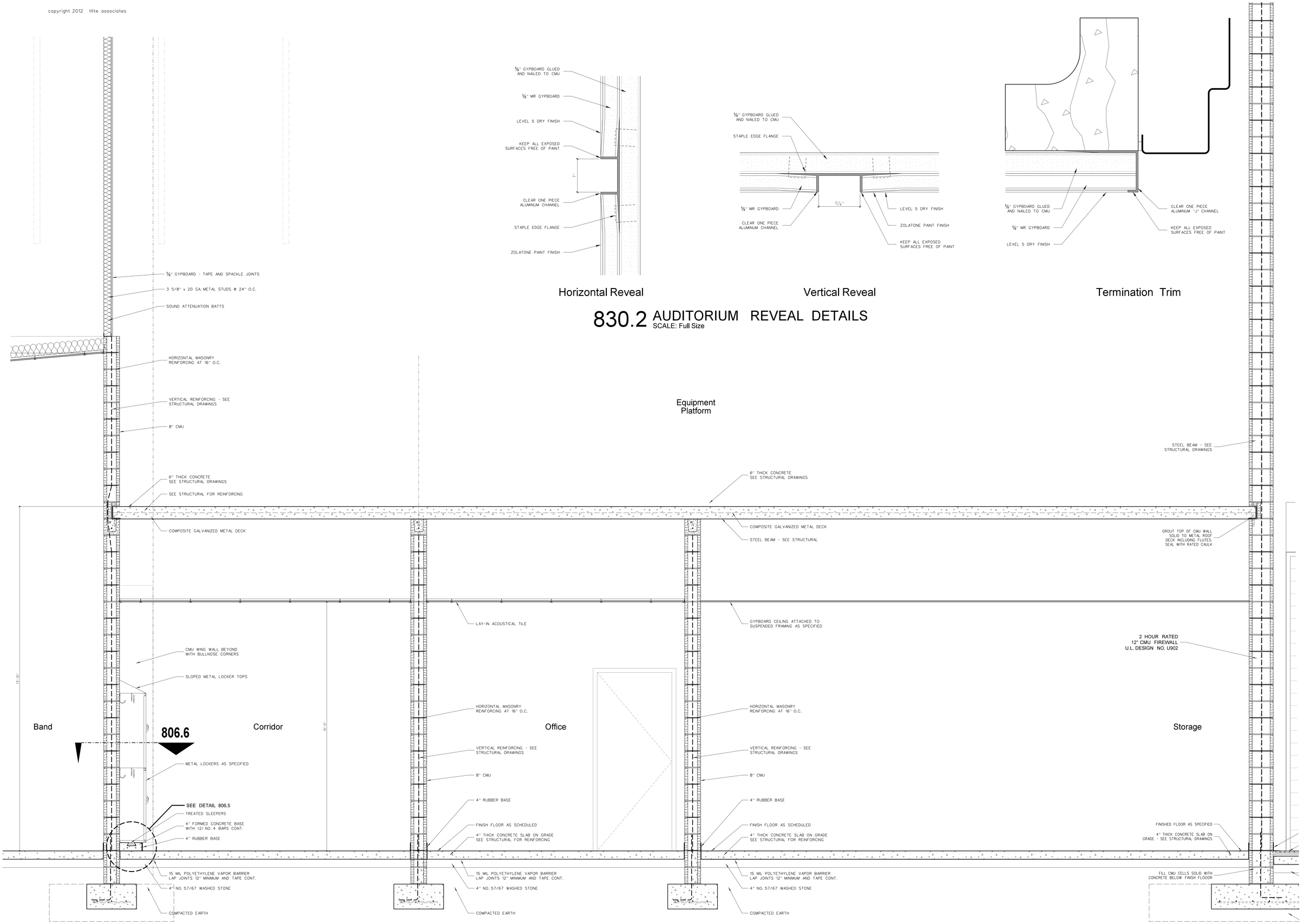
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Horizontal Reveal

Vertical Reveal

Termination Trim

830.2 AUDITORIUM REVEAL DETAILS
SCALE: Full Size



830.1 WALL SECTION: OFFICE / STORAGE / CORRIDOR
SCALE: 3/4" = 1'-0"

No.	Date	Revision

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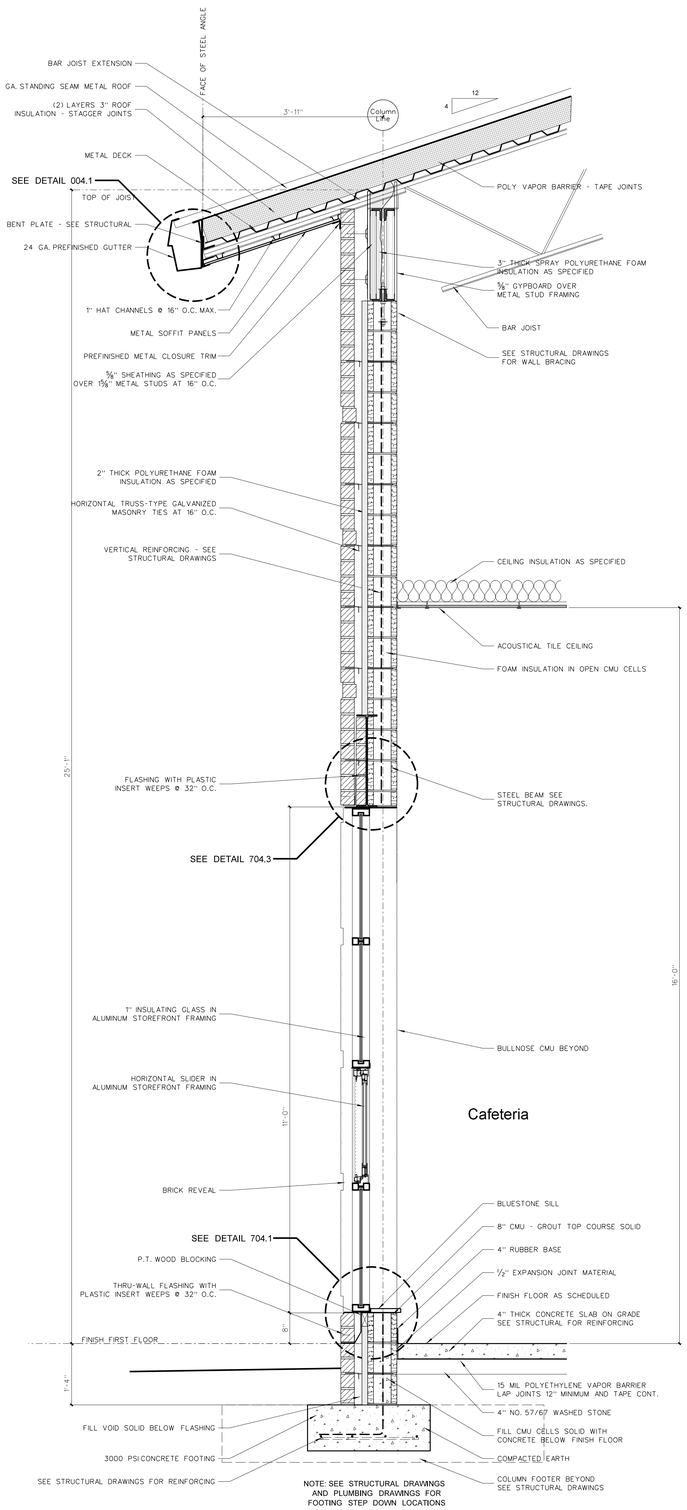
RECORD DRAWING

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716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

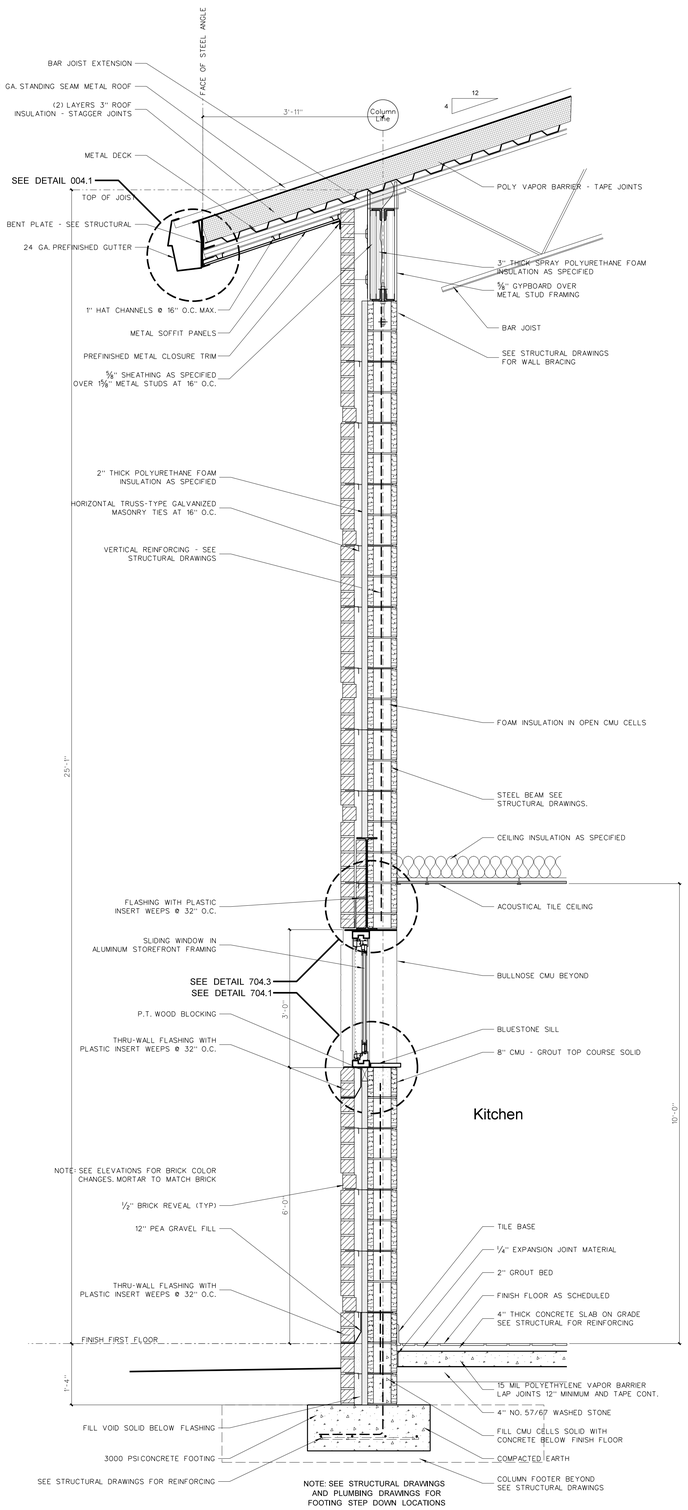
RECORD DRAWING

Project No. 21131
Date: 28 March 2012
Drawing no. A 830

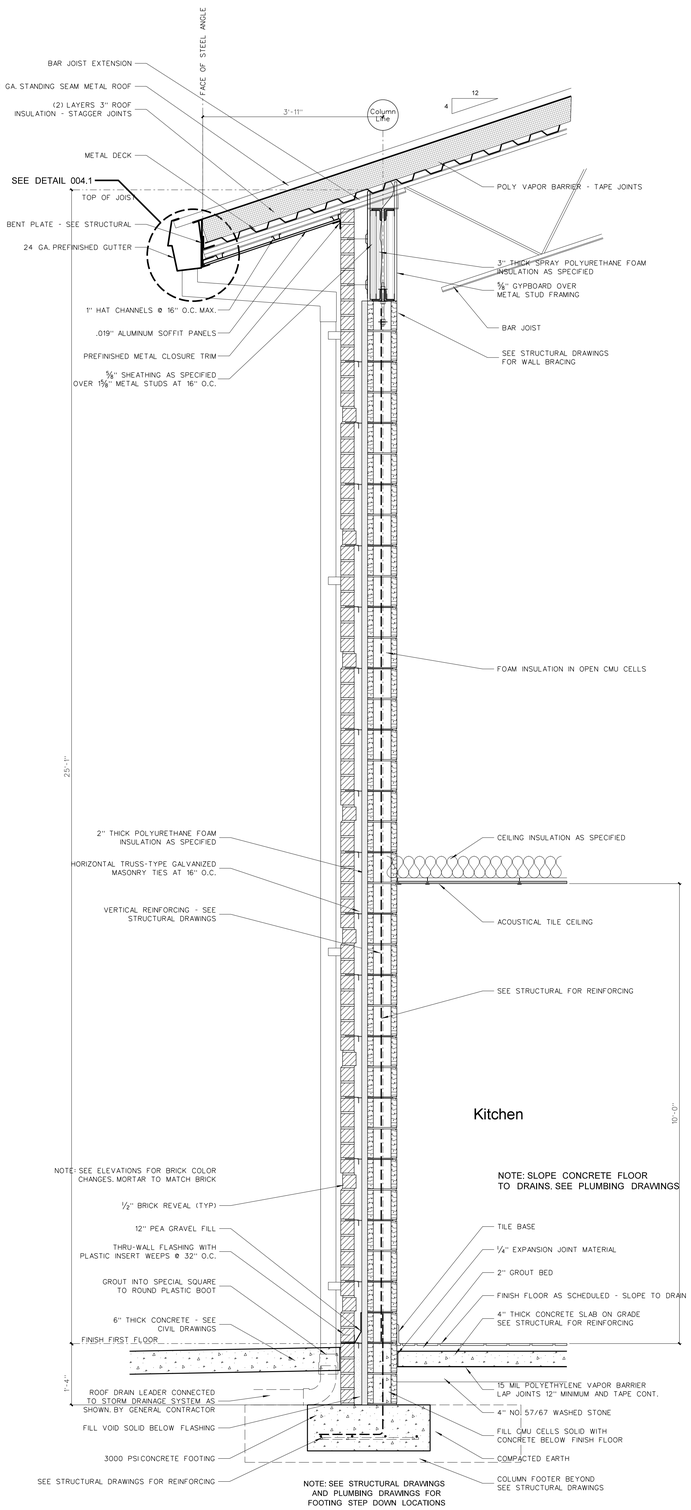
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831.3 WALL SECTION: CAFETERIA
SCALE: 3/4" = 1'-0"



831.2 WALL SECTION: KITCHEN WINDOW
SCALE: 3/4" = 1'-0"



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

No.	Date	Revision

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HITE ASSOCIATES, P.C. ARCHITECTURAL CORPORATION OF NORTH CAROLINA LICENSE NUMBER 4118 GREENVILLE

RECORD DRAWING

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RECORD DRAWING

Project No. 21131
Date: 28 March 2012
Drawing no. A 831

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General Notes for Wall Sections

(1) SEE EXTERIOR ELEVATIONS FOR BRICK COLOR.

(2) GENERAL CONTRACTOR SHALL VERIFY TOP OF FINISH GRADES, TOP OF OF CONCRETE WALKS AND TOP OF CONCRETE SLABS ADJACENT TO BUILDING AND ADJUST LOCATION OF THROUGH WALL FLASHING ACCORDINGLY.

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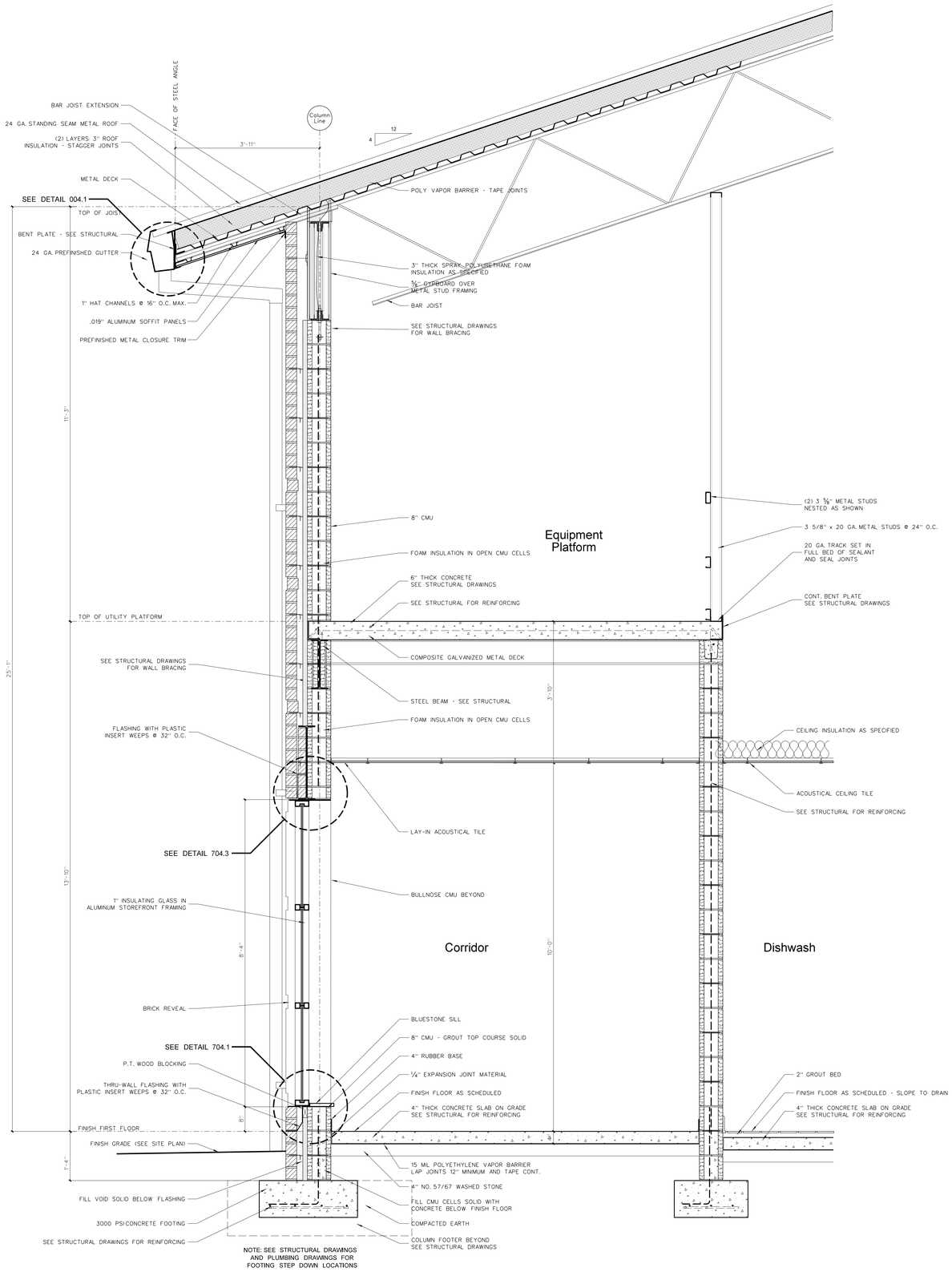
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(16) PAINT ALL EXPOSED PVC BOOTS AND ROOF DRAIN LEADERS AT GUTTER RDL TRANSITION TO MATCH METAL GUTTER.



NOTE: SEE STRUCTURAL DRAWINGS AND PLUMBING DRAWINGS FOR FOOTING STEP DOWN LOCATIONS

832.1 WALL SECTION: CORRIDOR / DISHWASH

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

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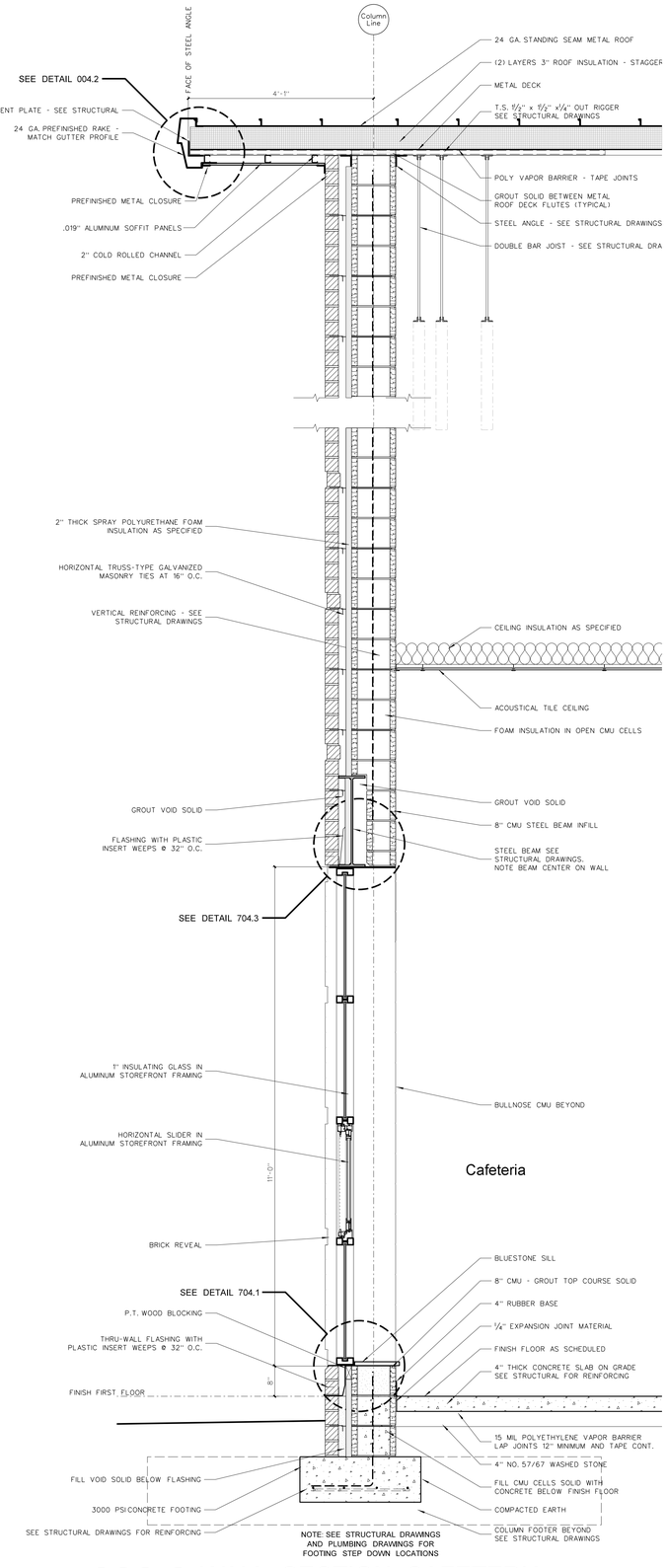
RECORD DRAWING

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Windsor / Bertie County / North Carolina

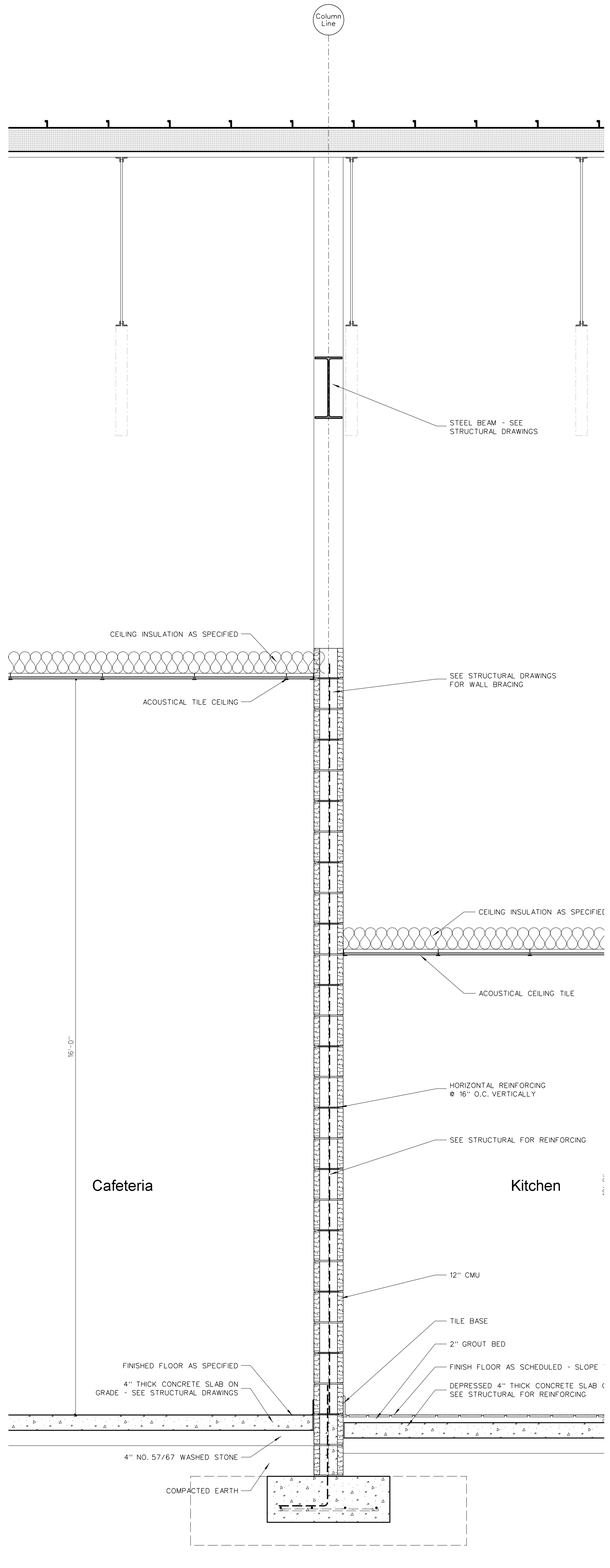
RECORD DRAWING

Project No.	21131
Date:	28 March 2012
Drawing no.	A 832

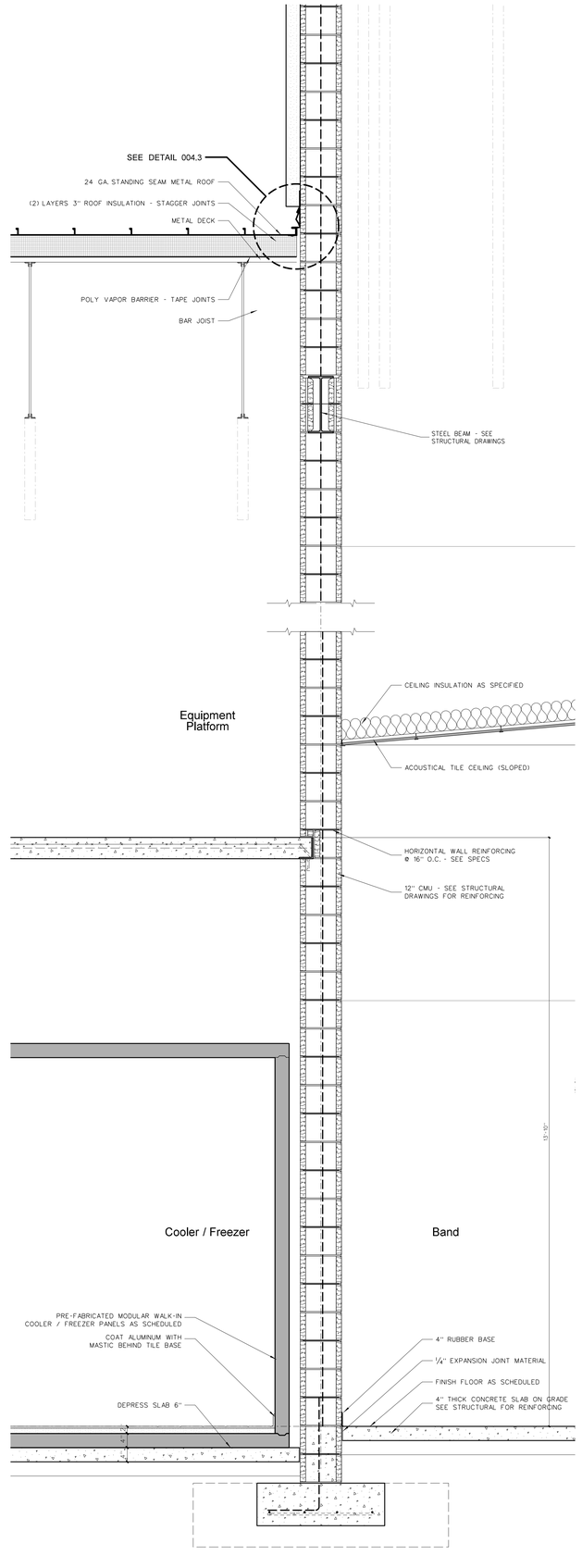
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833.3 WALL SECTION: CAFETERIA
SCALE: 3/4" = 1'-0"



833.2 WALL SECTION: CAFETERIA / KITCHEN
SCALE: 3/4" = 1'-0"



833.1 WALL SECTION: COOLER / FREEZER
SCALE: 3/4" = 1'-0"

No.	Date	Revision

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RECORD DRAWING

Project No. 21131
Date: 28 March 2012
Drawing no. A 833

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General Notes for Wall Sections

(1) SEE EXTERIOR ELEVATIONS FOR BRICK COLOR.

(2) GENERAL CONTRACTOR SHALL VERIFY TOP OF FINISH GRADES, TOP OF OF CONCRETE WALKS AND TOP OF CONCRETE SLABS ADJACENT TO BUILDING AND ADJUST LOCATION OF THROUGH WALL FLASHING ACCORDINGLY.

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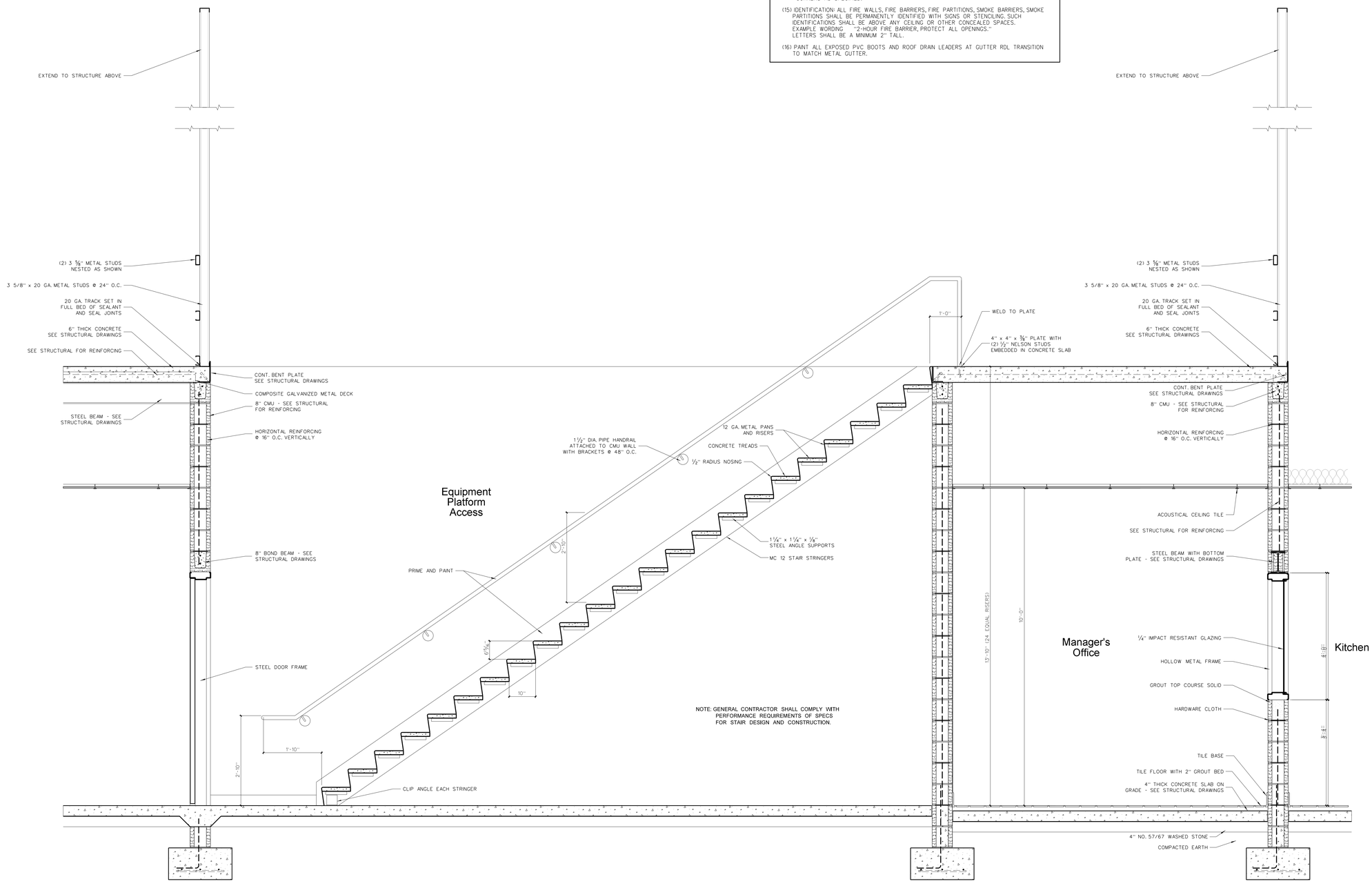
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(16) PAINT ALL EXPOSED PVC BOOTS AND ROOF DRAIN LEADERS AT GUTTER RDL TRANSITION TO MATCH METAL GUTTER.



834.1 WALL SECTION: UTILITY PLATFORM ACCESS

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

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RECORD DRAWING

New Bertie High School
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RECORD DRAWING

Project No.	21131
Date:	28 March 2012
Drawing no.	A 834

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General Notes for Wall Sections

(1) SEE EXTERIOR ELEVATIONS FOR BRICK COLOR.

(2) GENERAL CONTRACTOR SHALL VERIFY TOP OF FINISH GRADES, TOP OF OF CONCRETE WALKS AND TOP OF CONCRETE SLABS ADJACENT TO BUILDING AND ADJUST LOCATION OF THROUGH WALL FLASHING ACCORDINGLY.

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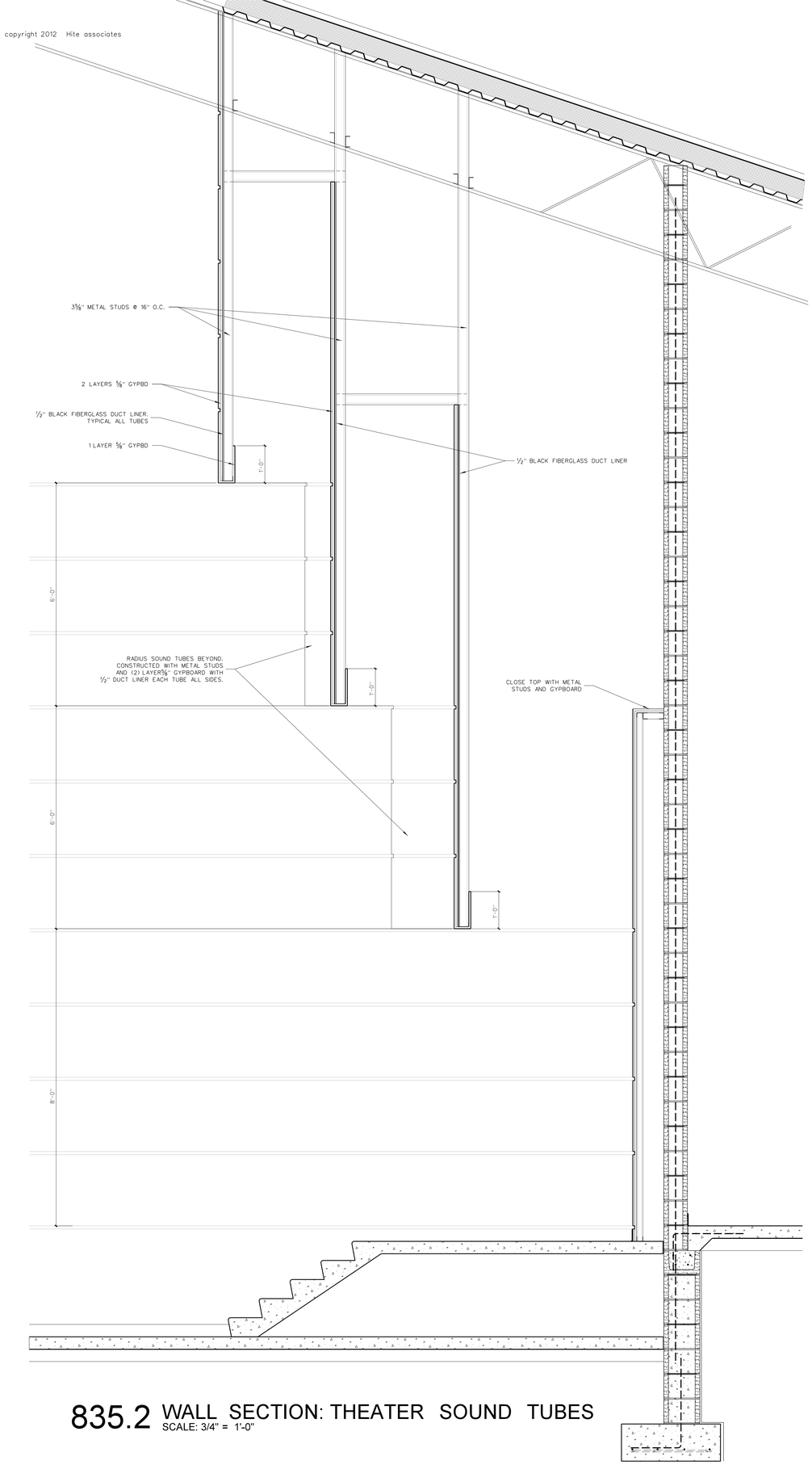
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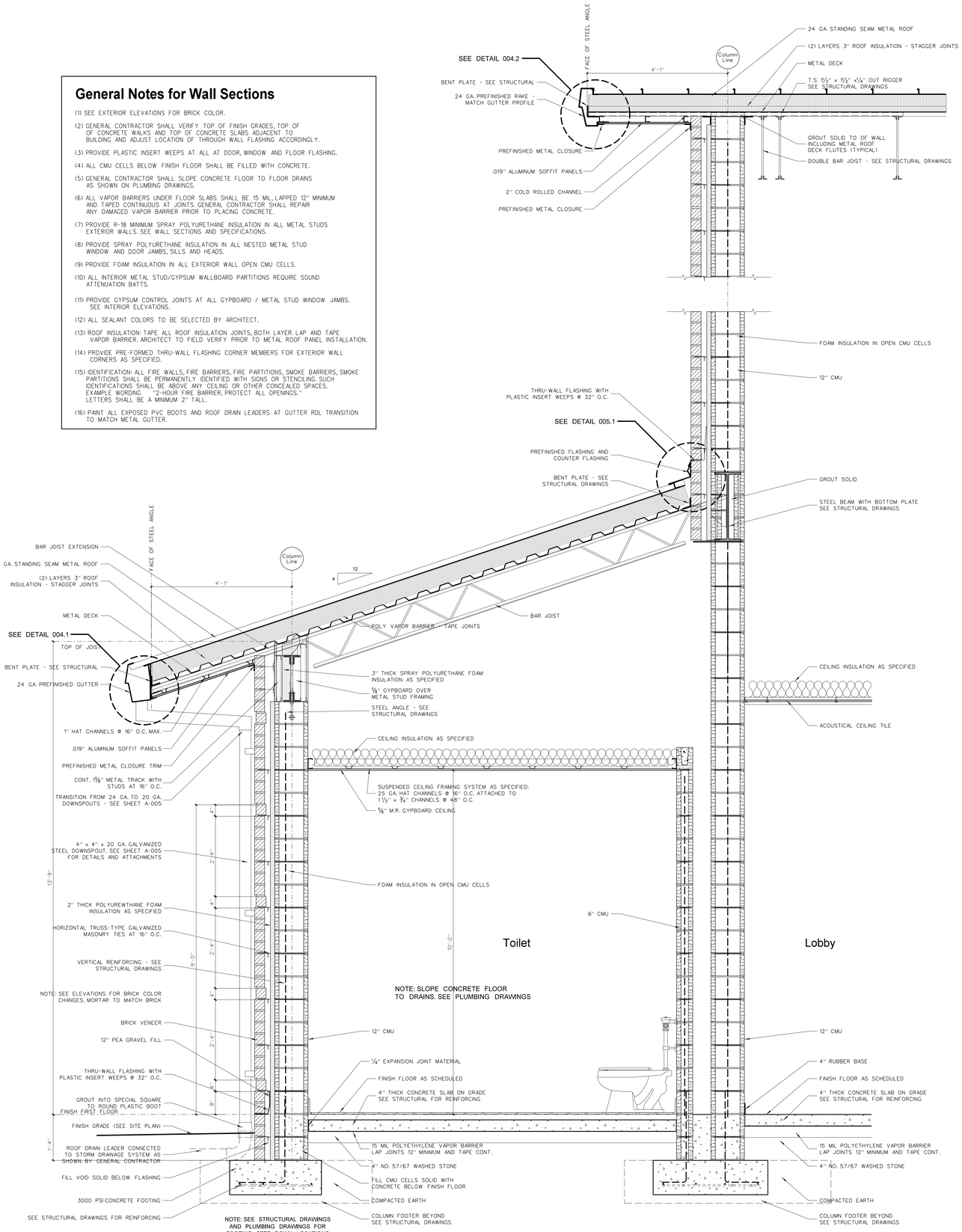
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835.2 WALL SECTION: THEATER SOUND TUBES
SCALE: 3/4" = 1'-0"



835.1 WALL SECTION: THEATER TOILETS
SCALE: 3/4" = 1'-0"

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No.	Date	Revision

HITE ASSOCIATES, P.C. ARCHITECTURAL CORPORATION REGISTERED LICENSE NUMBER C-1418 STATE OF NORTH CAROLINA GREENVILLE

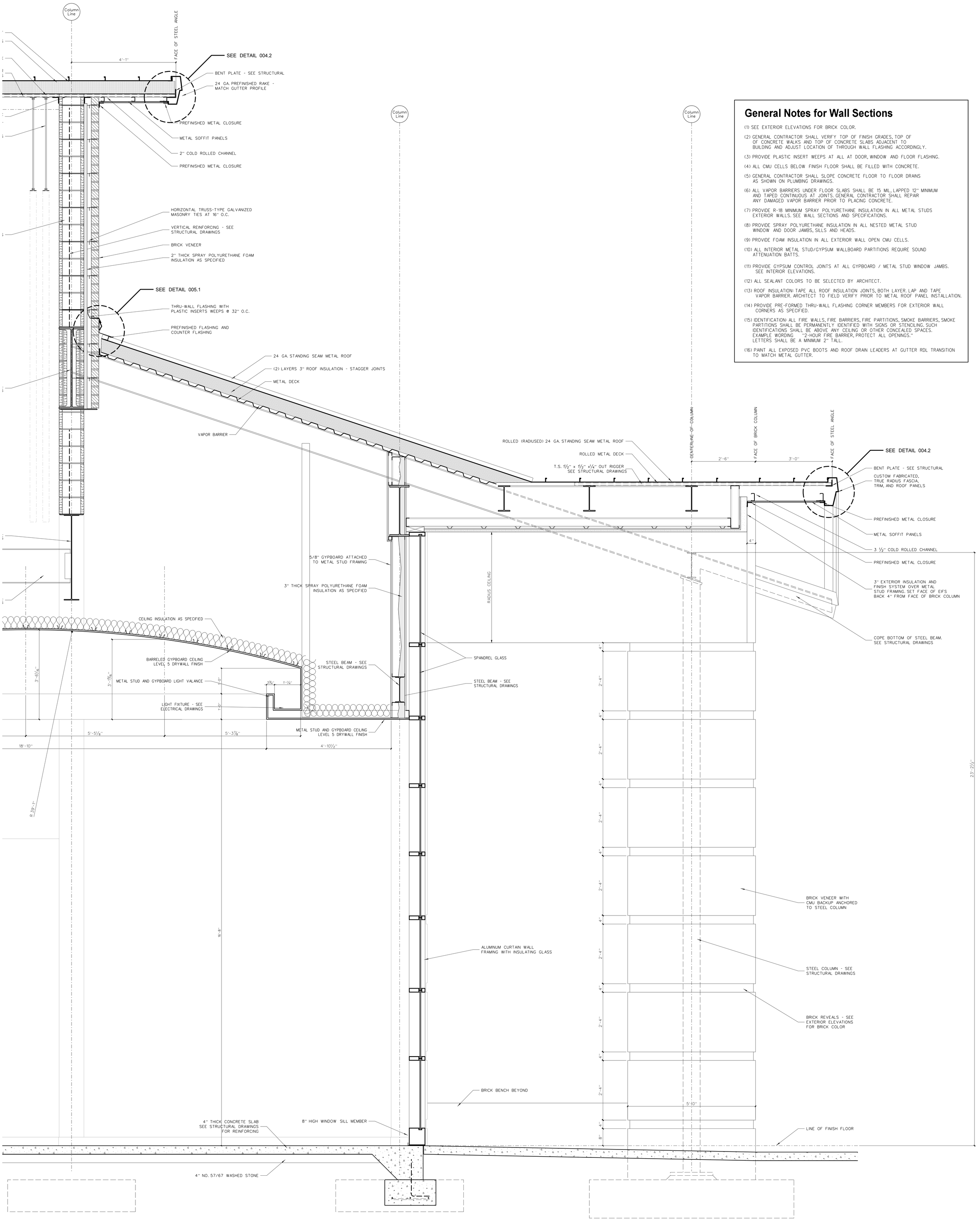
RECORD DRAWING

New Bertie High School
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Windsor / Bertie County / North Carolina

RECORD DRAWING

Project No. 21131
Date: 28 March 2012
Drawing no. A 835

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836.1 WALL SECTION: THEATER ENTRY

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

General Notes for Wall Sections

(1) SEE EXTERIOR ELEVATIONS FOR BRICK COLOR.

(2) GENERAL CONTRACTOR SHALL VERIFY TOP OF FINISH GRADES, TOP OF OF CONCRETE WALKS AND TOP OF CONCRETE SLABS ADJACENT TO BUILDING AND ADJUST LOCATION OF THROUGH WALL FLASHING ACCORDINGLY.

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Drawing no. A 836

Date 28 March 2012

Project No. 21131

RECORD DRAWING

New Bertie High School

Bertie County Schools

716 US 13 North / NCDPS Unit 080 - School 312

Windsor / Bertie County / North Carolina

RECORD DRAWING

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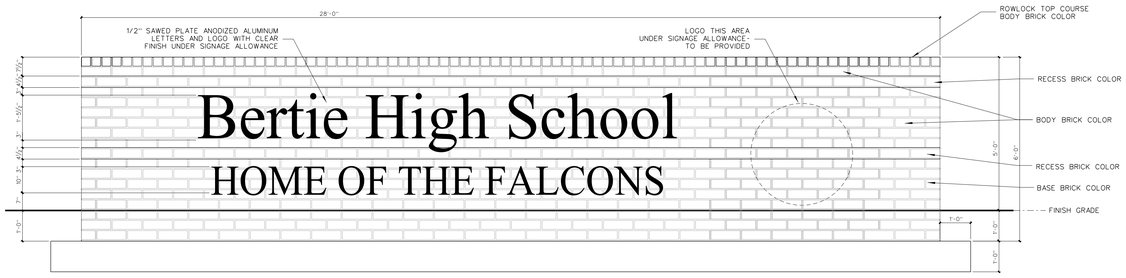
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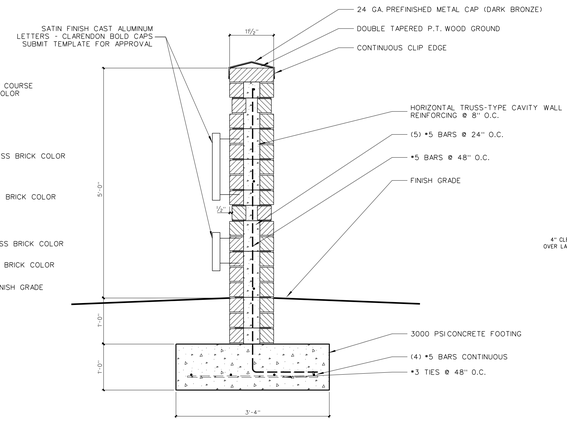
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No.	Date	Revision

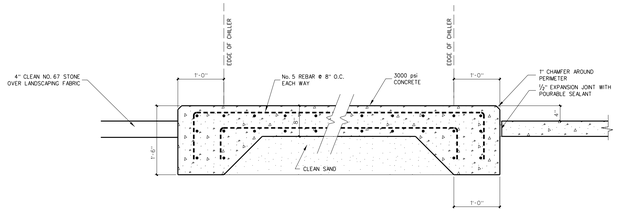
copyright 2012 Hite associates



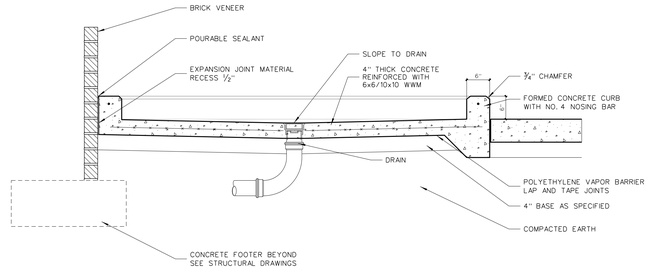
837.6 SCHOOL SIGN ELEVATION
SCALE: 1/2" = 1'-0"



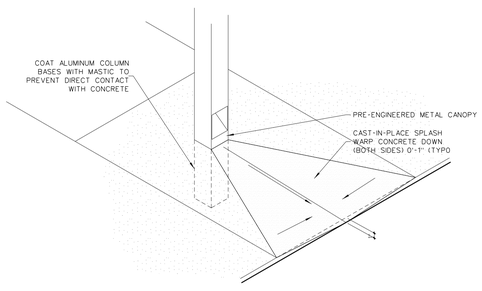
837.5 SCHOOL SIGNAGE SECTION
SCALE: 3/4" = 1'-0"



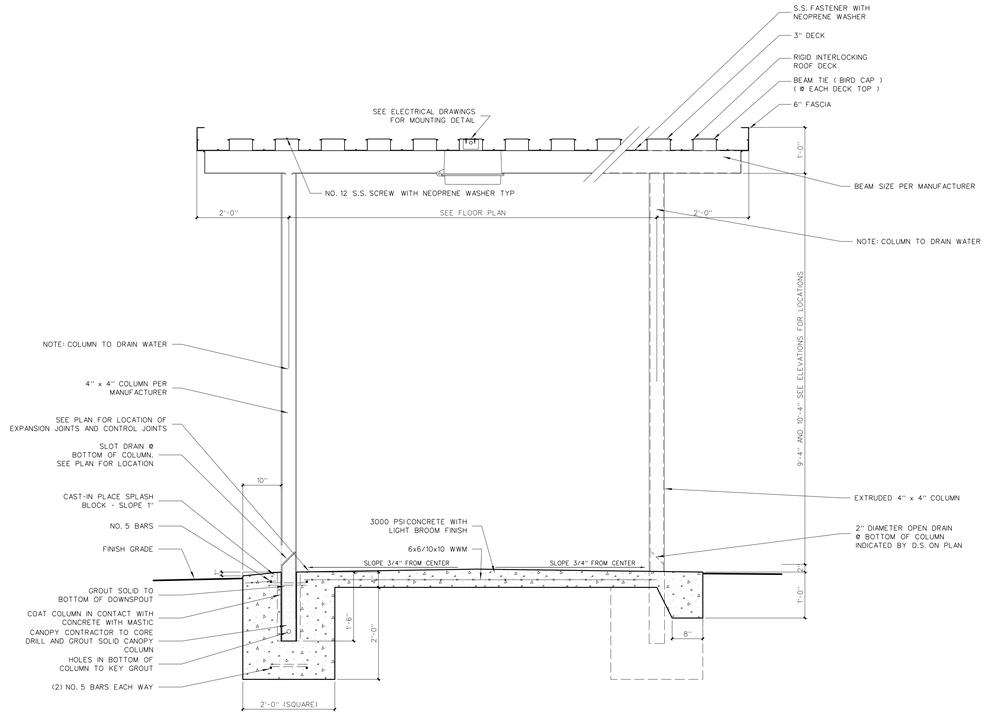
837.4 CHILLER PAD DETAIL
SCALE: 1" = 1'-0"



837.7 CAN WASH DETAIL
SCALE: 1" = 1'-0"



837.2 COVERED WALK DETAILS
SCALE: 3/4" = 1'-0"



837.1 WALL SECTION: COVERED WALK
SCALE: 3/4" = 1'-0"

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No.	Date	Revision

HITE ASSOCIATES, P.A. ARCHITECTURAL CORPORATION CERTIFICATE NUMBER C-4118 REGISTERED GREENVILLE, N.C.

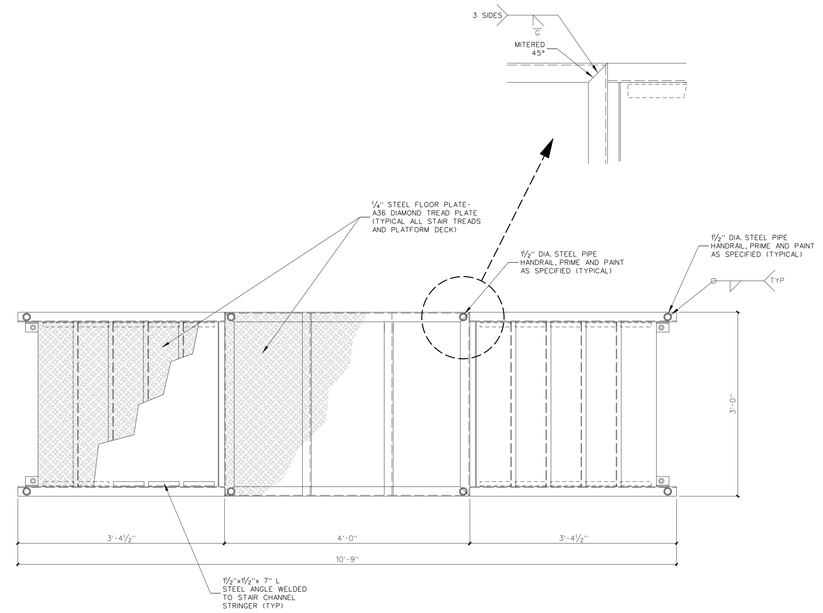
RECORD DRAWING

New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

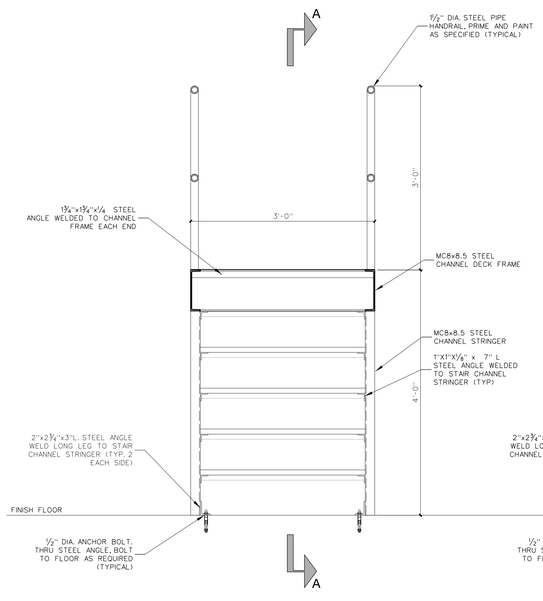
RECORD DRAWING

Project No.: 21131
Date: 28 March 2012
Drawing no.: A 837

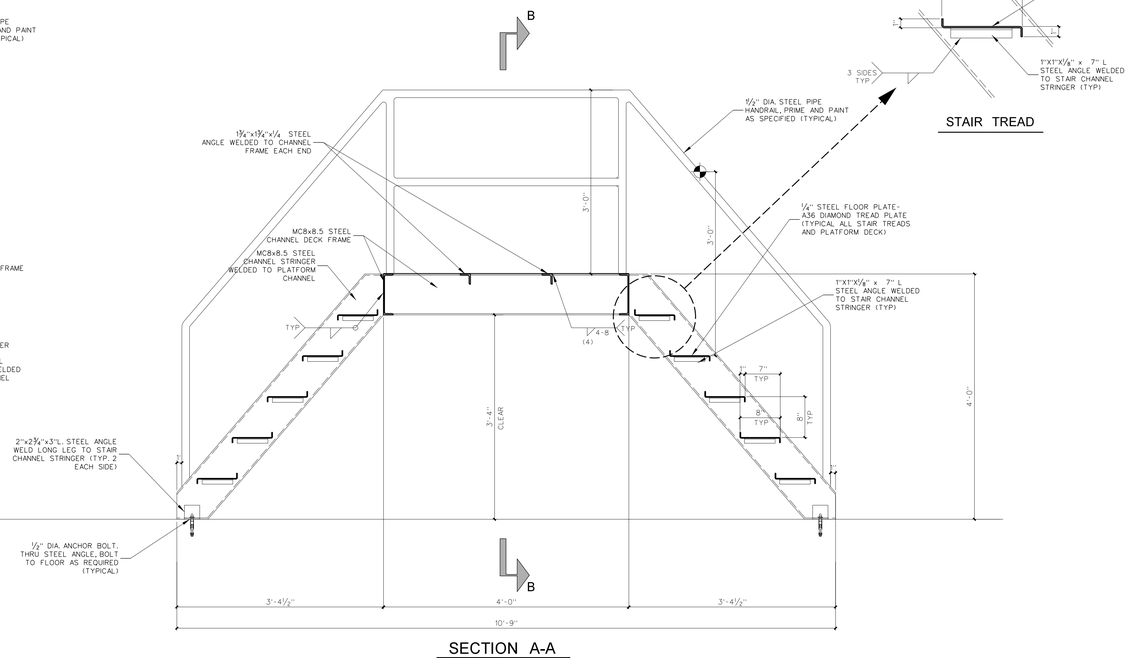
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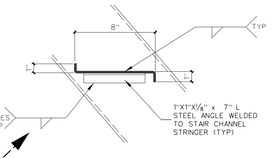
PLAN VIEW



SECTION B-B



SECTION A-A



STAIR TREAD

838.1 EQUIPMENT BRIDGE DETAILS

SCALE: 1" = 1'-0"

No.	Date	Revision

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HITE ASSOCIATES, P.C. — ARCHITECTURAL CORPORATION — REGISTERED — LICENSE NUMBER 4118 — STATE OF NORTH CAROLINA — GREENVILLE

RECORD DRAWING

New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

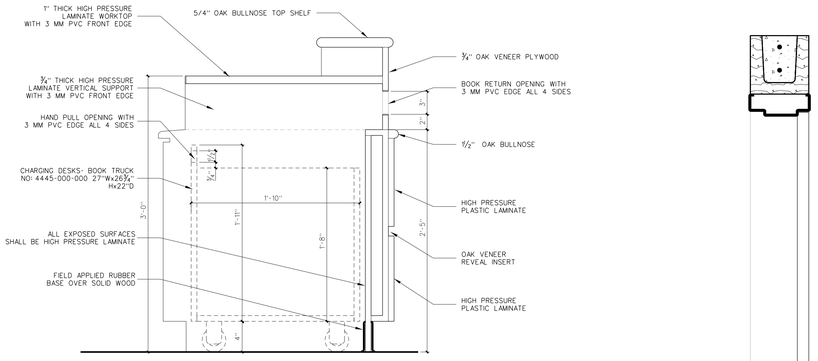
RECORD DRAWING

Project No. 21131

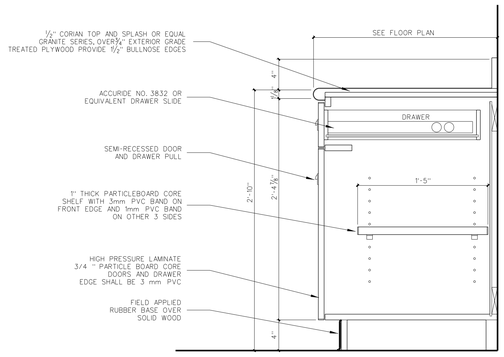
Date 28 March 2012

Drawing no. A 838

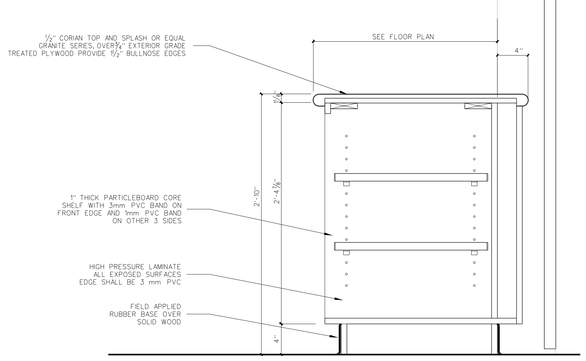
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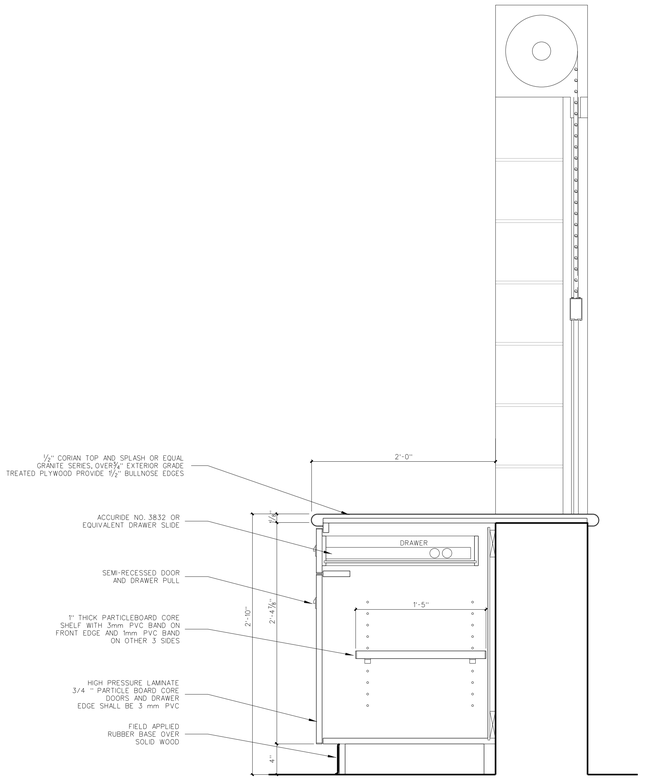
901.12 BOOK DROP
SCALE: 1 1/2" = 1'-0"



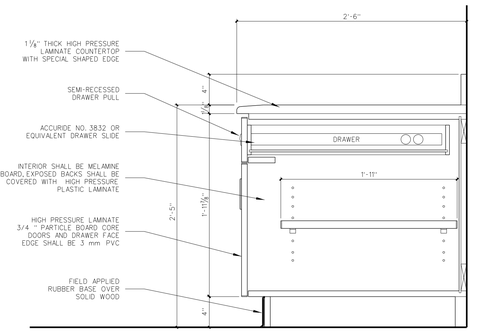
901.11 CONCESSION COUNTER
SCALE: 1 1/2" = 1'-0"



901.10 CONCESSION COUNTER
SCALE: 1 1/2" = 1'-0"



901.9 CONCESSION COUNTER
SCALE: 1 1/2" = 1'-0"



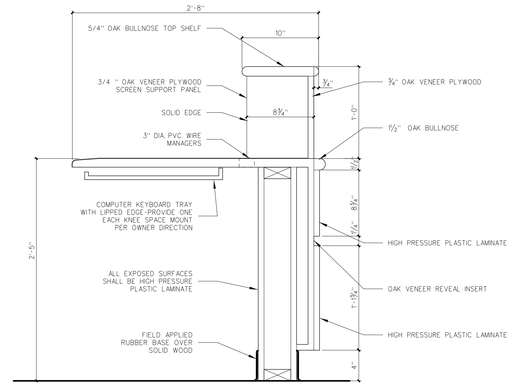
901.8 29" BASE CABINET
SCALE: 1 1/2" = 1'-0"

901.7 34" BASE CABINET
SCALE: 1 1/2" = 1'-0"

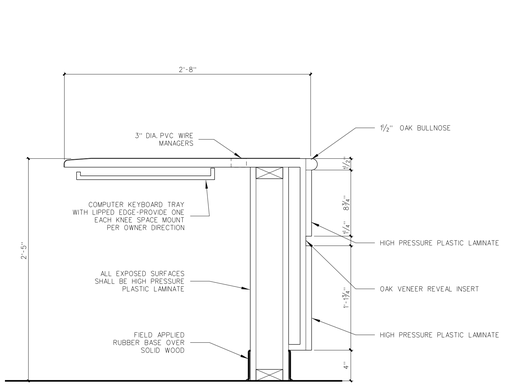
901.6 29" BASE CABINET
SCALE: 1 1/2" = 1'-0"
NOTE: 30" DEEP CABINET

901.5 29" BASE CABINET
SCALE: 1 1/2" = 1'-0"
NOTE: 30" DEEP CABINET

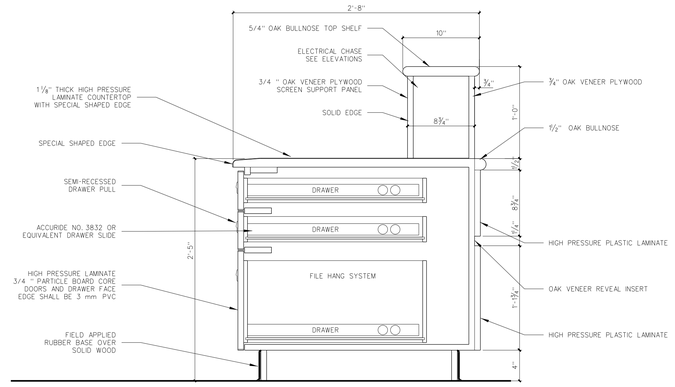
901.4 36" BASE CABINET
SCALE: 1 1/2" = 1'-0"



901.3 29" BASE CABINET
SCALE: 1 1/2" = 1'-0"



901.2 29" BASE CABINET
SCALE: 1 1/2" = 1'-0"



901.1 29" BASE CABINET
SCALE: 1 1/2" = 1'-0"

No.	Date	Revision

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HITE ASSOCIATES, P.C. ARCHITECTURAL CORPORATION REGISTERED GREENVILLE, N.C. CERTIFICATE NUMBER 4118

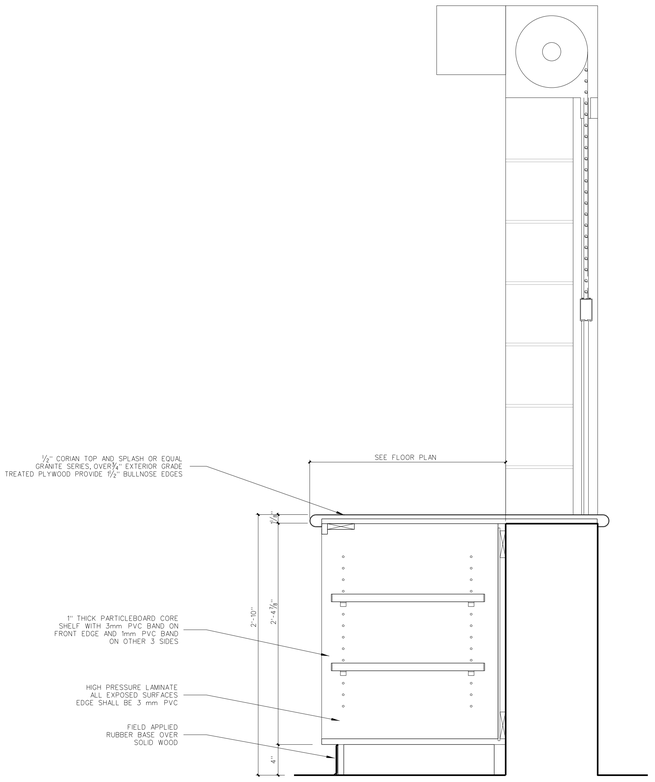
RECORD DRAWING

New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

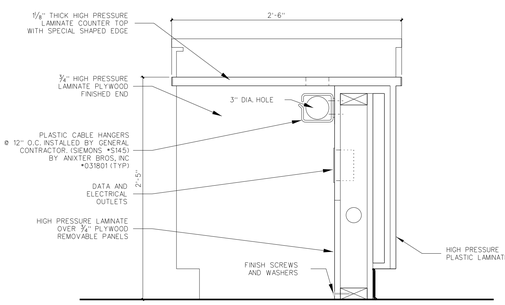
RECORD DRAWING

Project No. 21131
Date: 28 March 2012
Drawing no. A 901

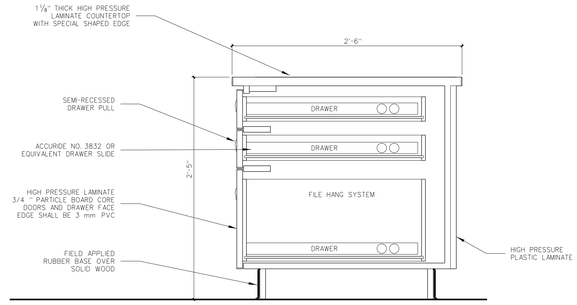
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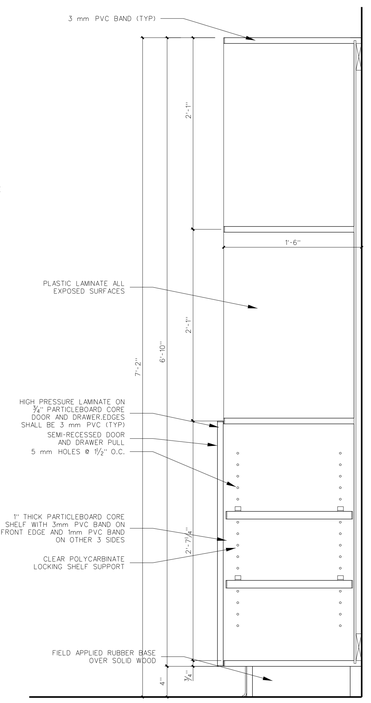
902.9 CONCESSION COUNTER
SCALE: 1 1/2" = 1'-0"



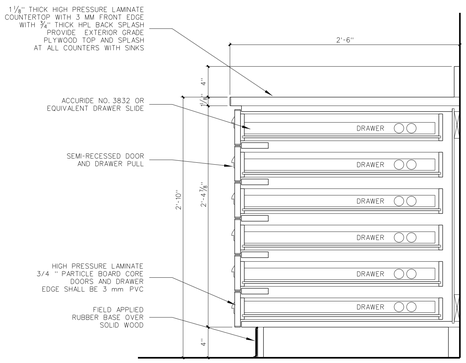
902.10 29" @ DEMO TABLE
SCALE: 1 1/2" = 1'-0"



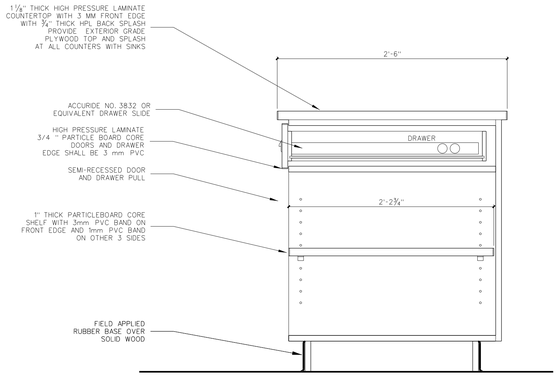
902.11 29" BASE @ DEMO TABLE
SCALE: 1 1/2" = 1'-0"



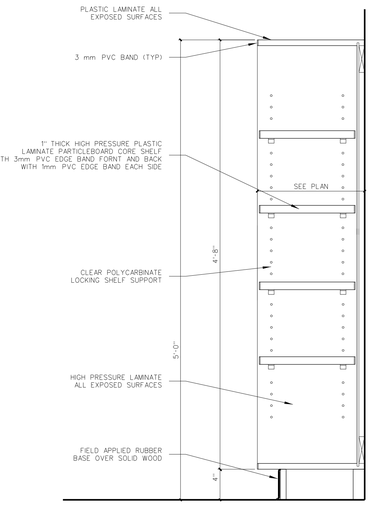
902.6 SECTION @ ROTC STORAGE
SCALE: 1 1/2" = 1'-0"



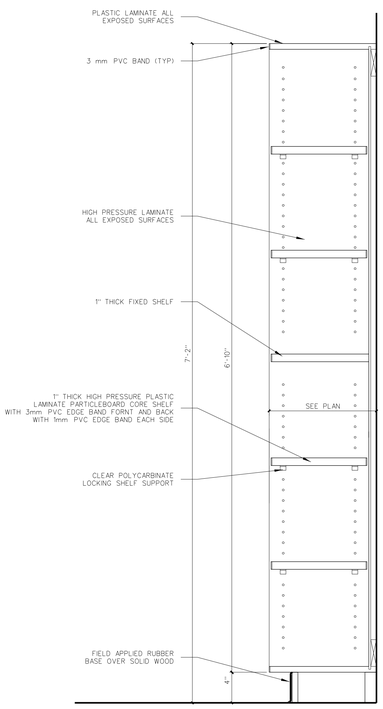
902.8 34" BASE CABINET
SCALE: 1 1/2" = 1'-0"



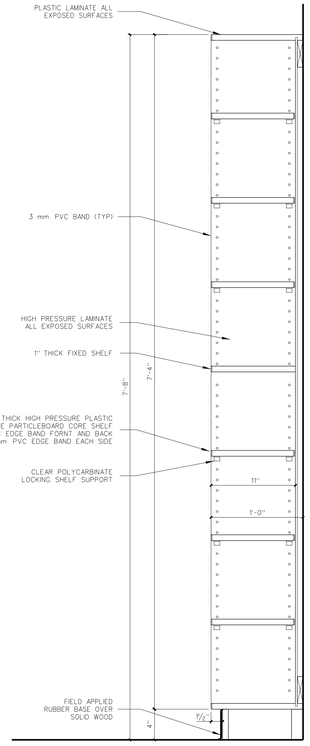
902.7 34" ISLAND BASE
SCALE: 1 1/2" = 1'-0"



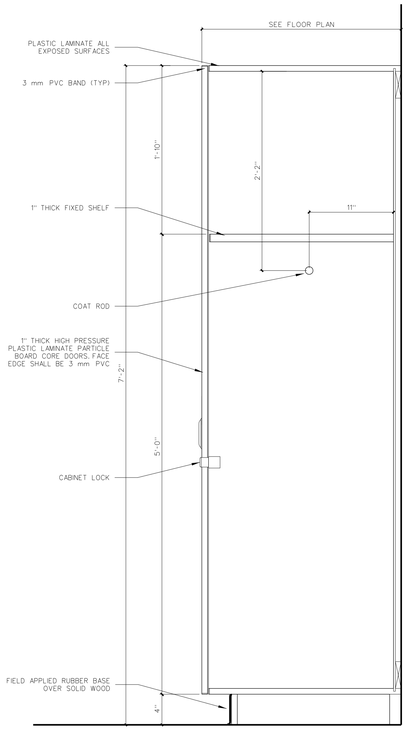
902.5 ADJUSTABLE SHELF
SCALE: 1 1/2" = 1'-0"



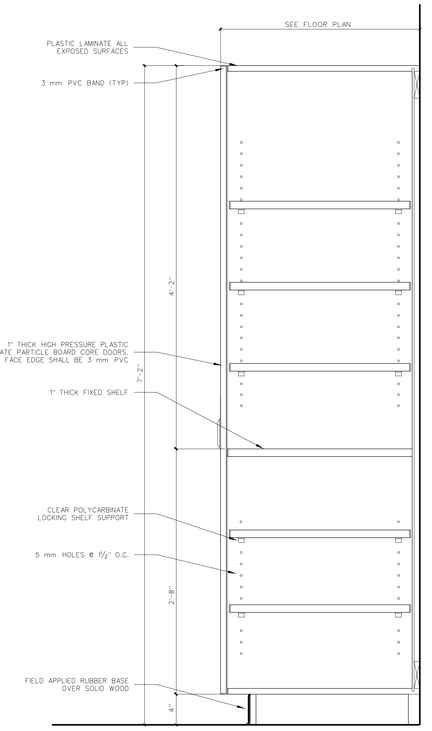
902.4 ADJUSTABLE SHELF
SCALE: 1 1/2" = 1'-0"



902.3 SECTION @ MDF
SCALE: 1 1/2" = 1'-0"



902.2 TEACHERS CABINET
SCALE: 1 1/2" = 1'-0"



902.1 TEACHERS CABINET
SCALE: 1 1/2" = 1'-0"

No.	Date	Revision

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HITE ASSOCIATES, P.C. REGISTERED ARCHITECTURAL CORPORATION CERTIFICATE NUMBER C-118 STATE OF NORTH CAROLINA GREENVILLE

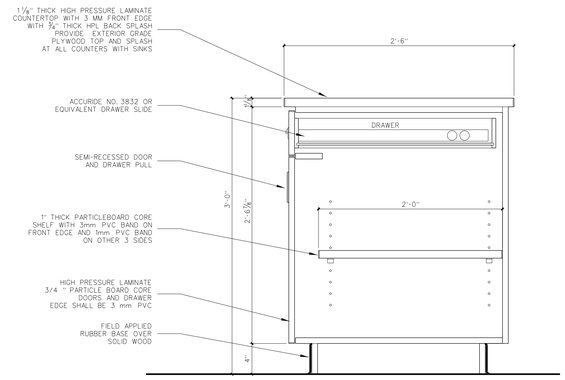
RECORD DRAWING

New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

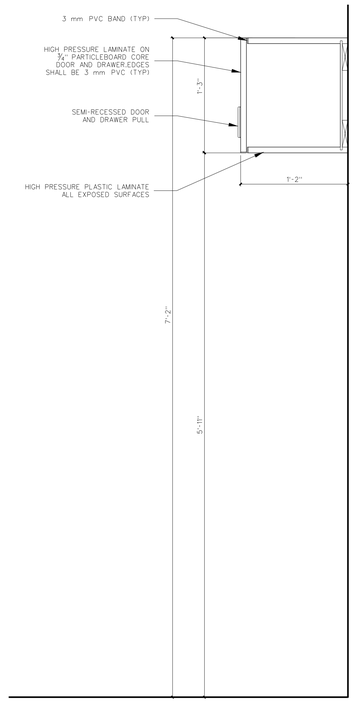
RECORD DRAWING

Project No.
21131
Date:
28 March 2012
Drawing no.
A 902

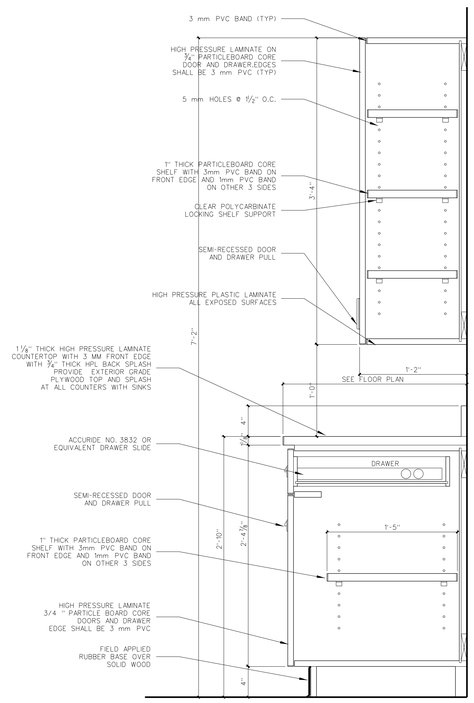
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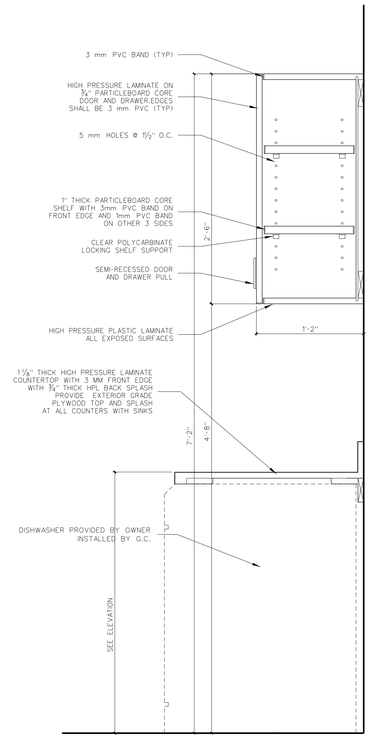
903.9 36" ISLAND BASE
SCALE: 1 1/2" = 1'-0"



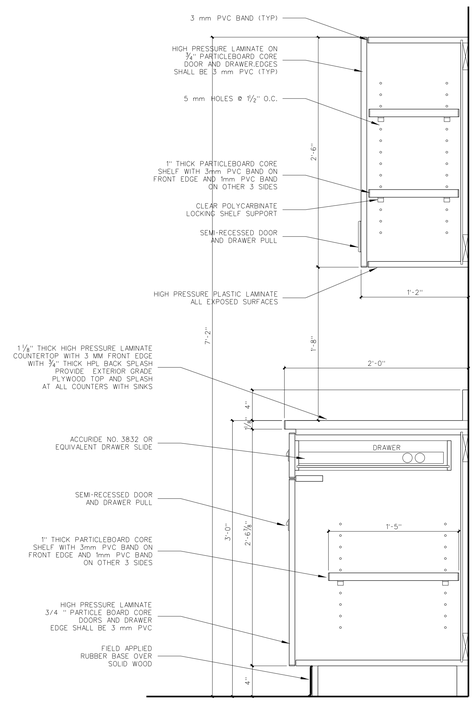
903.8 CABINET OVER REF.
SCALE: 1 1/2" = 1'-0"



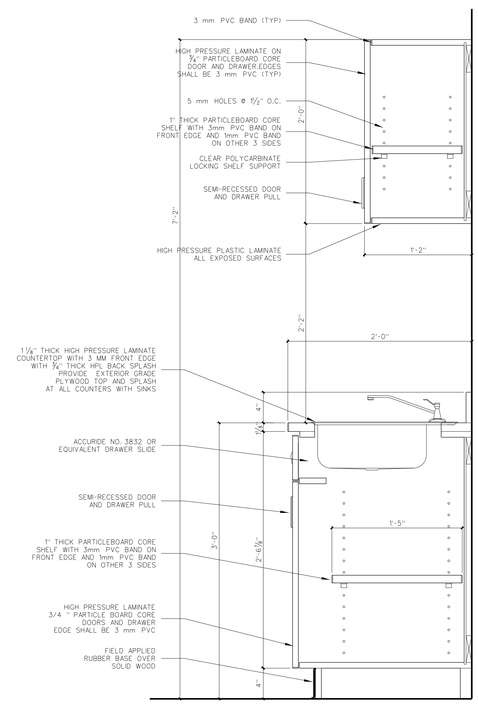
903.7 34" BASE CABINET
SCALE: 1 1/2" = 1'-0"



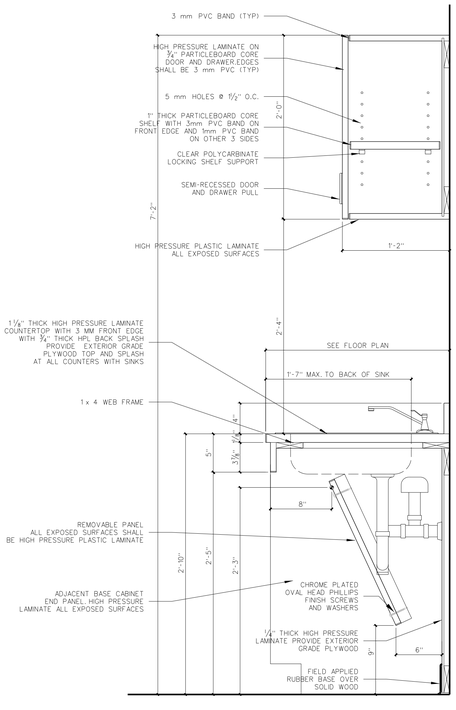
903.6 DISH WASHER
SCALE: 1 1/2" = 1'-0"



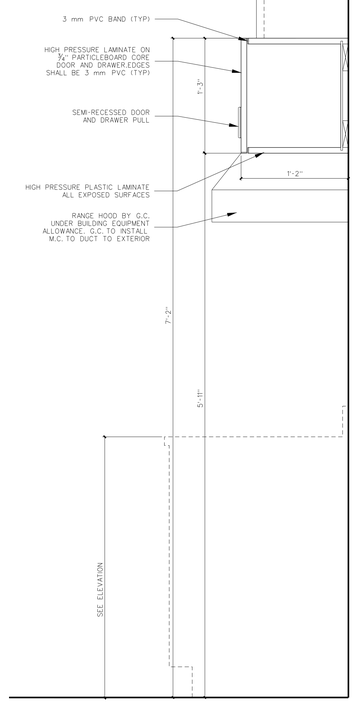
903.5 36" BASE CABINET
SCALE: 1 1/2" = 1'-0"



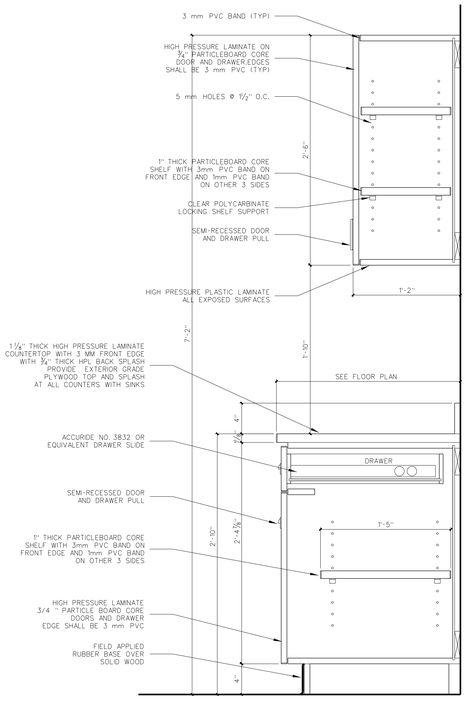
903.4 36" BASE CABINET
SCALE: 1 1/2" = 1'-0"



903.3 34" BASE CABINET
SCALE: 1 1/2" = 1'-0"



903.2 CABINET @ RANGE
SCALE: 1 1/2" = 1'-0"



903.1 34" BASE CABINET
SCALE: 1 1/2" = 1'-0"

No.	Date	Revision

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HITE ASSOCIATES, P.C. — CORPORATE NUMBER 4418 — REGISTERED — GREENVILLE, N.C.

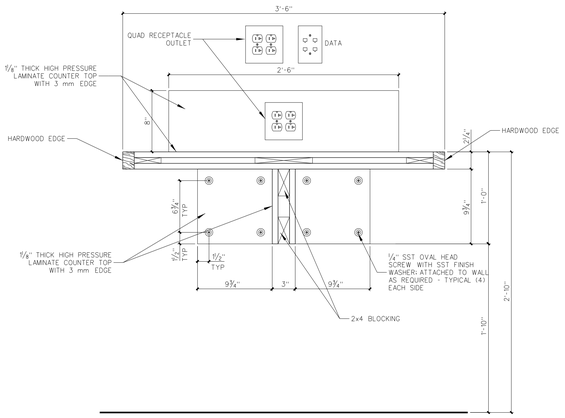
RECORD DRAWING

New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

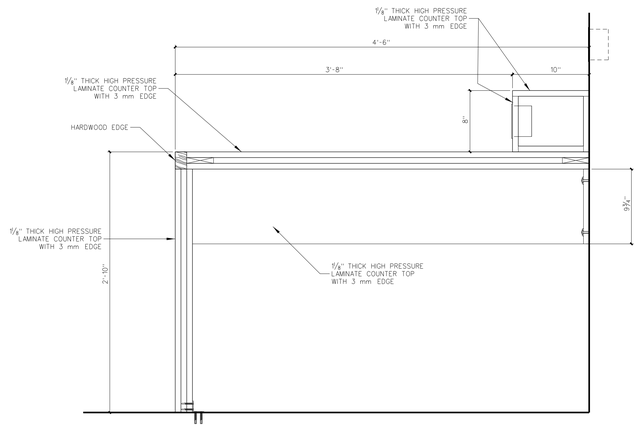
RECORD DRAWING

Project No.	21131
Date:	28 March 2012
Drawing no.	A 903

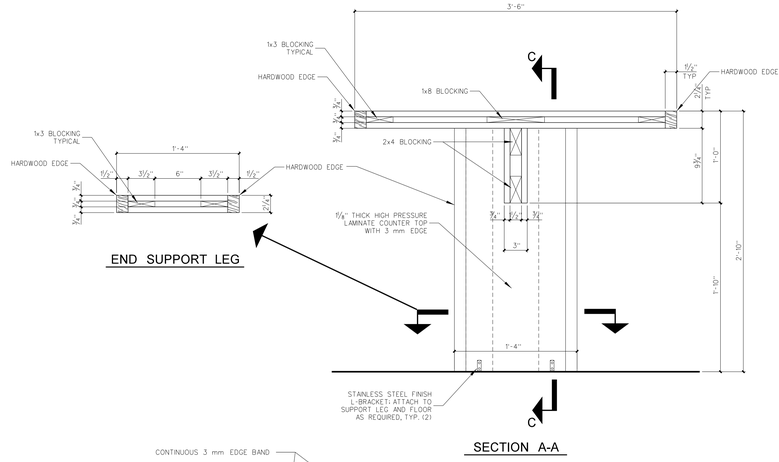
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SECTION B-B

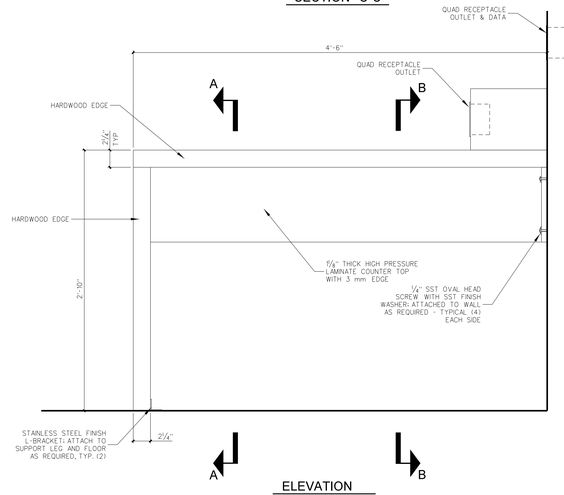


SECTION C-C



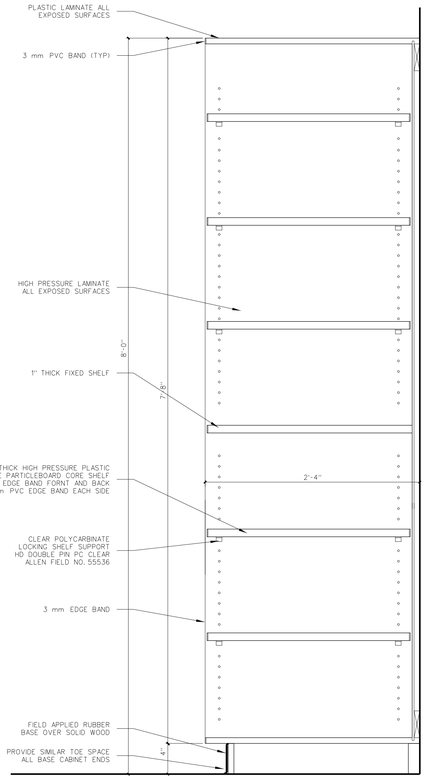
END SUPPORT LEG

SECTION A-A

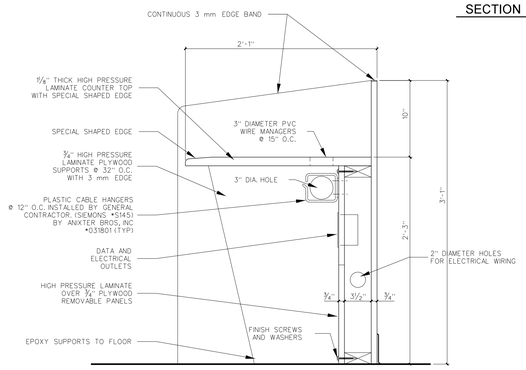


ELEVATION

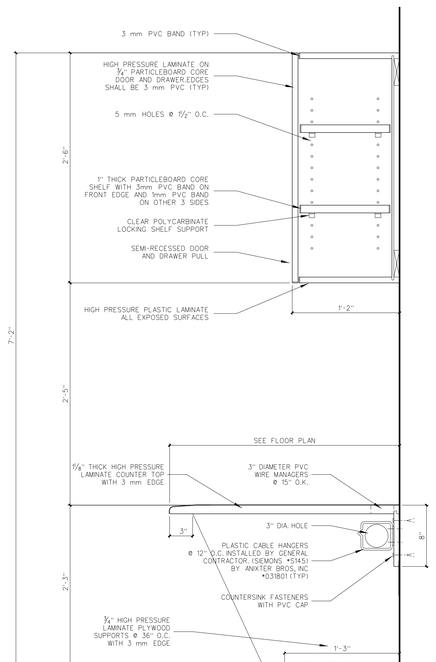
904.5 34" ELECTRONICS LAB WORKBENCH
SCALE: 1 1/2" = 1'-0"



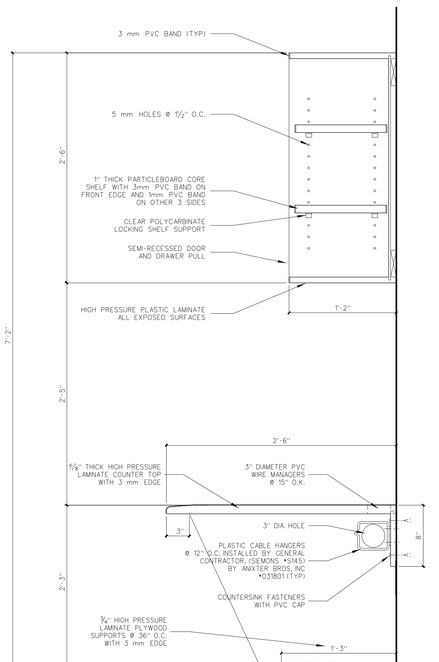
904.6 UNIFORM STORAGE SHELF
SCALE: 1 1/2" = 1'-0"



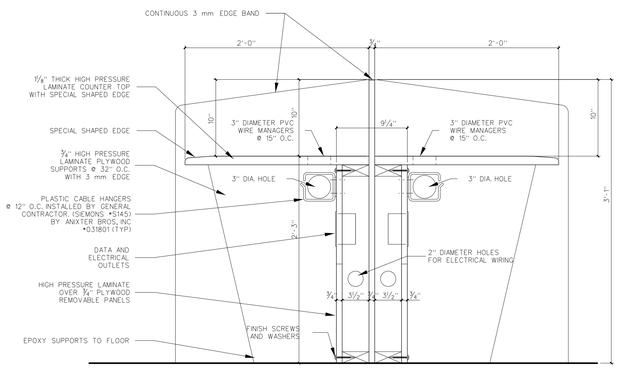
904.7 27" COMPUTER STATION
COMPUTER LAB / GRAPHICS LAB
SCALE: 1 1/2" = 1'-0"



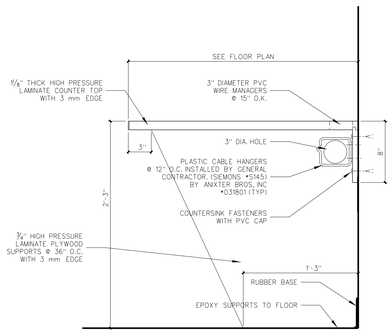
904.2 27" COMPUTER STATION
SCALE: 1 1/2" = 1'-0"



904.1 27" COMPUTER STATION
SCALE: 1 1/2" = 1'-0"



904.4 27" COMPUTER STATION
BUISNESS LAB AND TECHNOLOGY LAB
SCALE: 1 1/2" = 1'-0"



904.3 27" COMPUTER STATION
SCALE: 1 1/2" = 1'-0"

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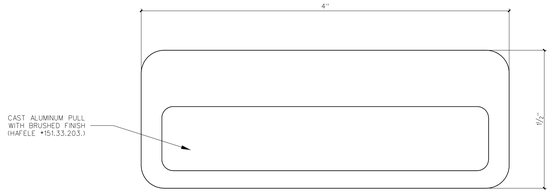
RECORD DRAWING

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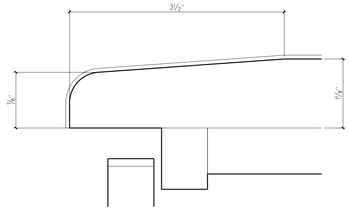
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Date: 28 March 2012
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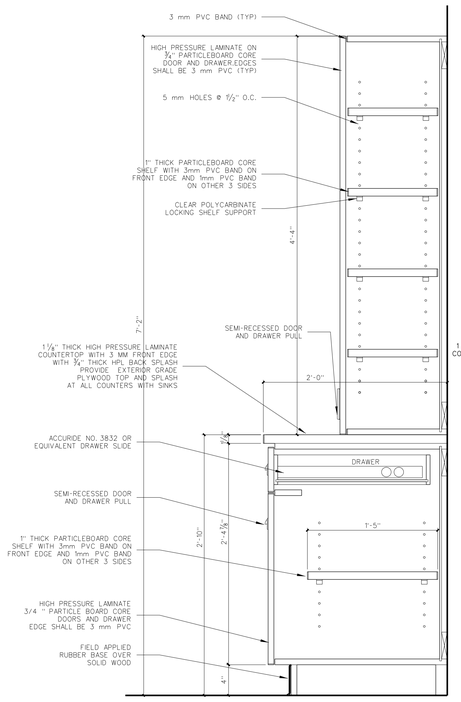
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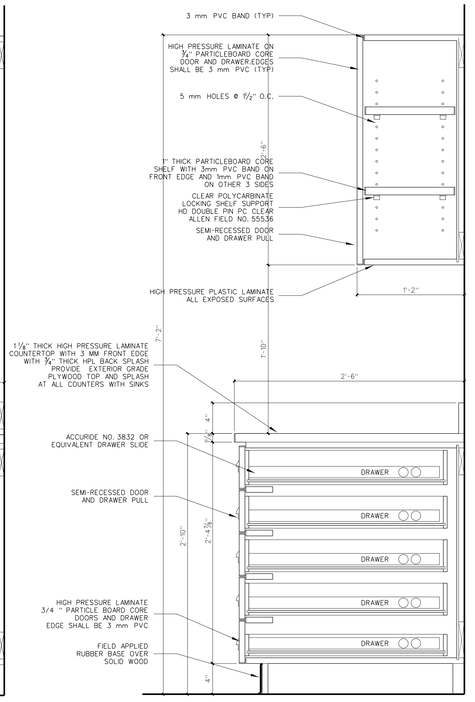
905.8 TYPICAL DRAWER AND DOOR PULL
SCALE: FULL SIZE



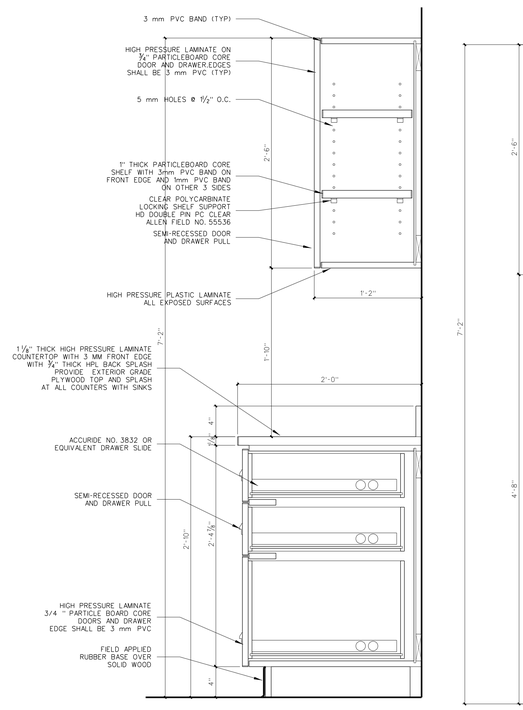
905.7 SPECIAL EDGE DETAIL
SCALE: FULL SIZE



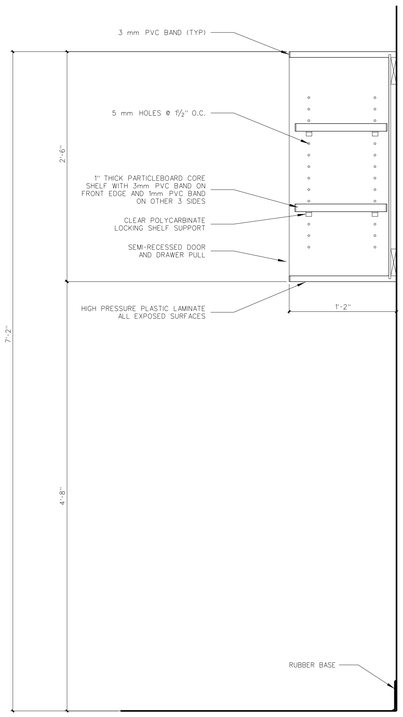
905.11 34" BASE CABINET @ H/C WALL CABINET
SCALE: 1 1/2" = 1'-0"



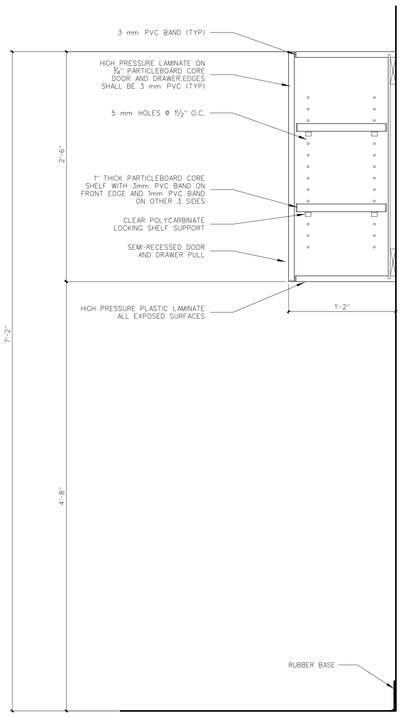
905.10 34" BASE CABINET
NOTE: 30" DEEP
SCALE: 1 1/2" = 1'-0"



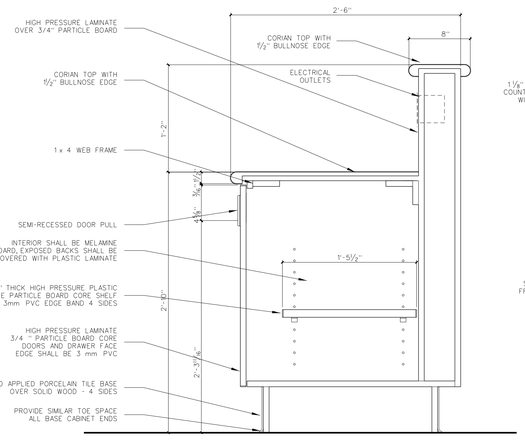
905.9 34" BASE CABINET
24" DEEP
SCALE: 1 1/2" = 1'-0"



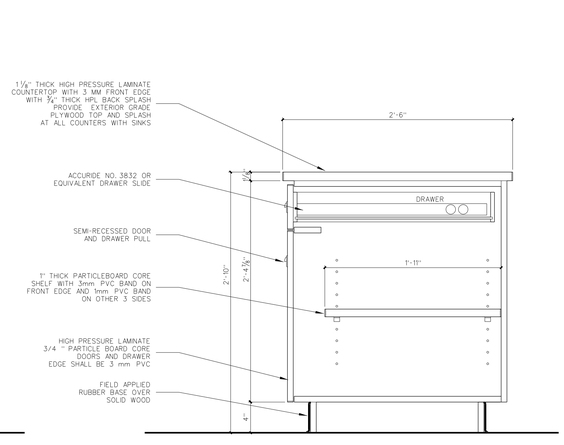
905.6 OVERHEAD SHELVING
SCALE: 1 1/2" = 1'-0"



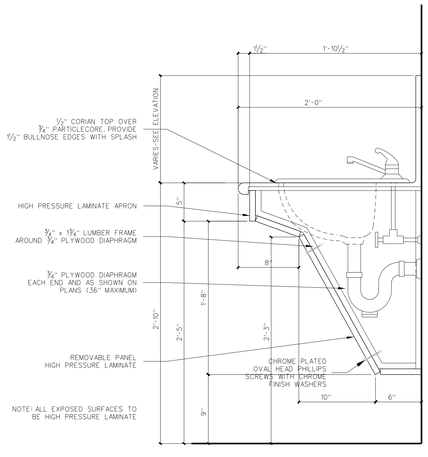
905.5 OVERHEAD CABINET
SCALE: 1 1/2" = 1'-0"



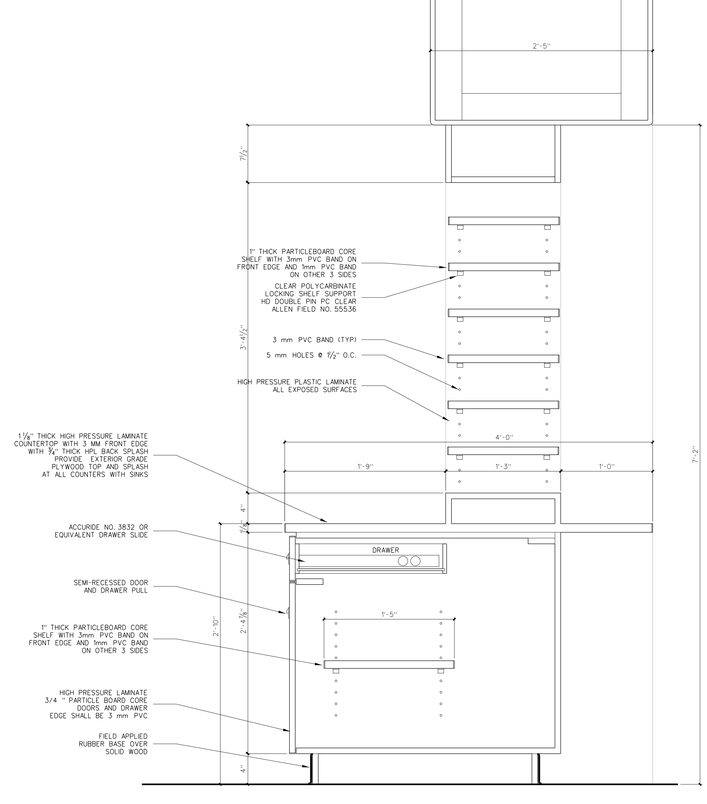
905.4 KITCHEN SERVING LINE
SCALE: 1 1/2" = 1'-0"



905.3 SECTION @ WORK TABLE
SCALE: 1 1/2" = 1'-0"



905.2 HANDICAP VANITY
SCALE: 1 1/2" = 1'-0"



905.1 34" BASE / MAIL SLOTS
SCALE: 1 1/2" = 1'-0"

No.	Date	Revision

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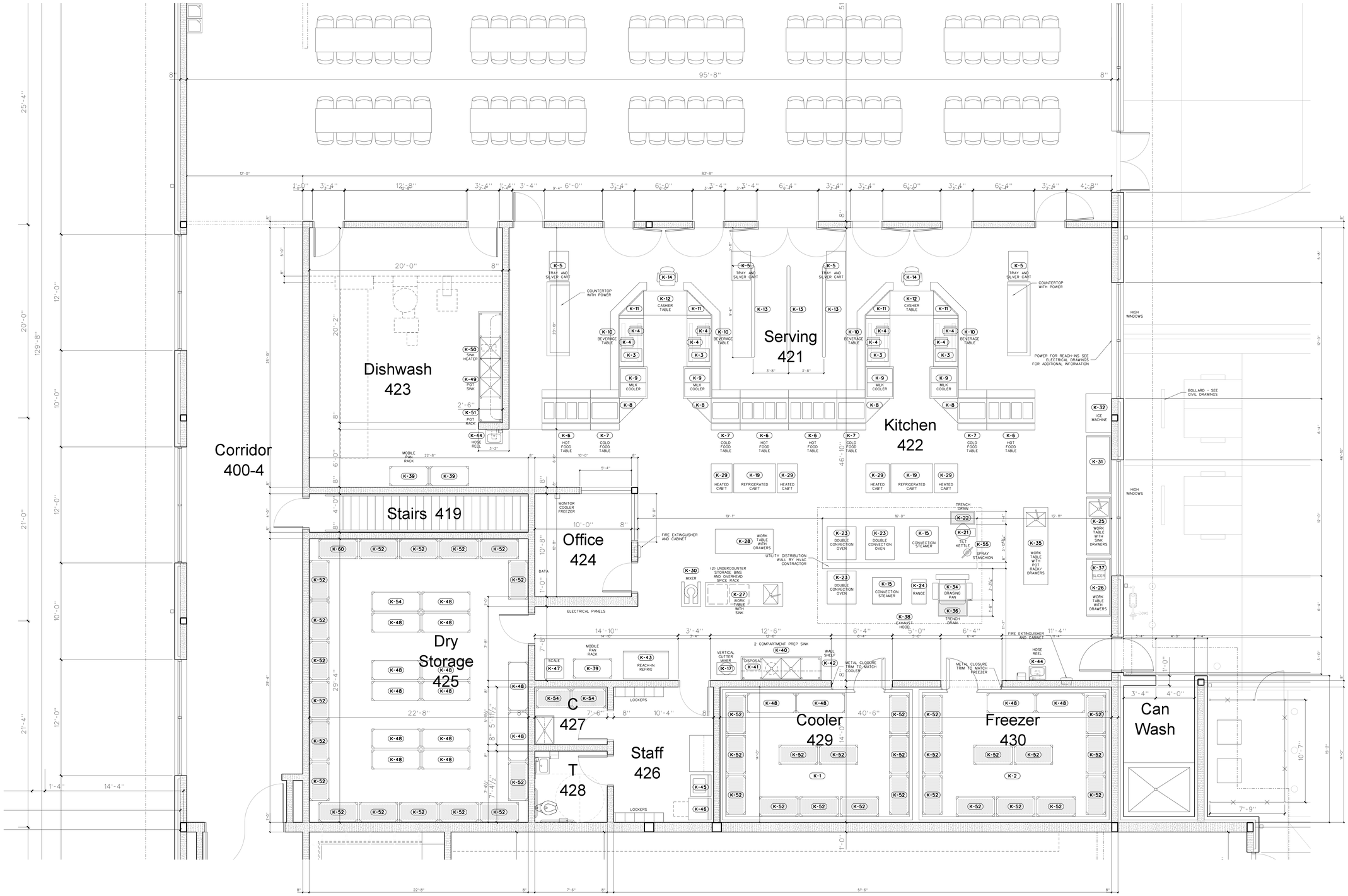
RECORD DRAWING

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RECORD DRAWING

Project No.	21131
Date:	28 March 2012
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101.1 ENLARGED KITCHEN PLAN

SCALE: 1/4" = 1'-0"

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Date:	28 March 2012
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KITCHEN EQUIPMENT SCHEDULE

MARK	DESCRIPTION	MFR / MODEL	SIZE	ELECTRICAL				PLUMBING					GAS		REMARKS
			L x D x H (inches)	Volts	Phase	HP	Amps	HW	CW	Waste	Indirect Waste	Local Capture	Size	BTU/Hr	
K-1	WALK-IN COOLER	W.A. BROWN	19'-8" x 13'-6" x 8'-8"	208	3		10.0								1" CONDENSATE TO HUB DRAIN
K-2	WALK IN FREEZER	W.A. BROWN	19'-8" x 13'-6" x 8'-8"	208	3		10.0								1" CONDENSATE TO HUB DRAIN
K-3	ICE DISPENSER	REMCOR TJ455-D	16" x 22" x 28"	115	1										
K-4	JUICE DISPENSER	GRINDMASTER D25-4	12" x 15" x 24"	115	1		5.5								
K-5	TRAY AND SILVER CART	COLORPOINT CPM-MTS-MOD	36" x 24" x 45"												
K-6	HOT FOOD TABLE	COLORPOINT EF4-CPA	60" x 30" x 36"	208	1		9.8					Yes			4 WELL
K-7	COLD FOOD TABLE	COLORPOINT 36-CFMA	36" x 30" x 36"	120	1		8.1					Yes			
K-8	SOLID TOP ANGULAR TABLE	COLORPOINT 36-ST-MOD	FABRICATE												
K-9	MILK COOLER	COLORPOINT CPM-1306	39.5" x 34.5" x 36"	120	1		6.7					Yes			
K-10	BEVERAGE TABLE	COLORPOINT 60-BT-MOD	60" x 30" x 36"	120	1		15					Yes			(4) OUTLETS REQUIRED
K-11	SOLID TOP ANGULAR TABLE	COLORPOINT 36-ST-MOD	FABRICATE												
K-12	CASHIER'S TABLE	COLORPOINT 54-CSE-MOD50 SINGLE	54" x 30" x 30"	120	1		3.1								(2) OUTLETS REQUIRED / EXTENDED TOP
K-13	TRAFFIC CONTROL DIVIDERS	4" DIAMETER PAINTED PIPE	108" x 4" x 36"												PER DETAIL K-10.3
K-14	CASHIER'S CHAIR	GLOBAL EQUIPMENT GF5450	-----												SWIVEL, ARM AND FOOT REST, ADJ. HEIGHT
K-15	CONVECTION STEAMER / STAND	VULCAN C24GA10-BSC	24" x 35.5" x 71.5"	120	1		2		¾"		1 ½"		¾"	125,000	INDIRECT WASTE TO FUNNEL FLOOR DRAIN
K-16	DUAL FRYER WITH DUMP TRAY	FRYMASTER H55SC	16" x 30" x 45.75"	120	1		8.0						1 ½"	80,000	
K-17	CUTTER / MIXER	HOBART HCM-450	24" x 22" x 41"	200	3	5	30.0								
K-18	NOT USED														
K-19	REFRIGERATED CABINET	VICTORY RS-2D-S7-PT-FULL GLASS	55" x 38" x 84"	115	1		9.1								
K-20	NOT USED														
K-21	TILTING KETTLE	VULCAN K12ETT- 12 GAL	18" x 17" x 24"	208	1		58								WITH STAND
K-22	TRENCH DRAIN GRATE	FABRICATED	30" x 16"							3"					PER DETAIL K-10.3.5
K-23	DOUBLE CONVECTION OVEN	VULCAN VC66G- DEEP DEPTH	40" x 46" x 70"	(2)120	1	1/2	18.0						¾"	88,000	2 ELEC. CONNECTIONS
K-24	RANGE	HOBART HCR44	12" x 38" x 37"	208	1		24.0								
K-25	WORK TABLE WITH SINK	LOW TEMP 11SSS-63	72" x 30" x 36"					½"	½"		Yes				
K-26	WORK TABLE	LOW TEMP 11SSS-63	72" x 30" x 36"												
K-27	BAKER'S TABLE WITH SINK	LOW TEMP 14SSD-8-MOD	96" x 30" x 36"					½"	½"		Yes				
K-28	WORK TABLE	LOW TEMP 11SSS-63	72" x 30" x 36"												
K-29	HEATED CABINET	CRESCOR H-137-PWSUA-12C-GLASS DOOR	28" x 34.5" x 73"	120	1		16.0								
K-30	MIXER	HOBART D340 - T	22" x 30" x 51"	208	1	1.5	7.0								
K-31	WORK TABLE	LOW TEMP 10SSS-63	72" x 30" x 36"												
K-32	ICE MACHINE WITH STORAGE BIN	SCOTSMAN CME806	30" x 32" x 44"	208	1	2.5	17.5		3/8"		Yes				BH550 STORAGE BIN
K-33	NOT USED														
K-34	ELECTRIC TILTING BRAISING PAN	VULCAN VG30	59" x 38" x 39"	120	1		3.0	½"	½"				¾"	90,000	REJ STEAMER / HW & CW 18" A.F.F. MOTOR DRIVEN PAN LIFT FAUCET BRACKET ASSEMBLY (12"H18") DOUBLE JOINTED DOUBLE PANTRY FAUCET STEAMING PAN INSERT RACK TO HOLD 12" X 20" PANS
K-35	WORK TABLE WITH SINK	LOW TEMP 11SSS-8	96" x 30" x 36"					½"	½"						SINK AND POT RACK
K-36	TRENCH DRAIN GRATE	FABRICATED	36" x 20"							3"					PER DETAIL K-10.3.5
K-37	SLICER	HOBART 1812	17" x 26" x 22"	120	1	1/3	7.2								ADJ FENCES / FOOD CHUTE
K-38	EXHAUST HOOD	BY HVAC CONTRACTOR	17'-0" x 10'-0"												PER DETAIL K-10.3
K-39	MOBILE PAN RACKS	NEXEL 24487PPM	24" x 48" x 84"												
K-40	2 COMPARTMENT PREP SINK	FABRICATED	100" x 30" x 36"					½"	1"		Yes				PER DETAIL K-10.3
K-41	DISPOSER	SALVAJOR SA-ARSS-2	----	208	3	2	7.8		½"	2"					
K-42	WALL SHELF	LOW TEMP WSF-82	96" x 12"												
K-43	REACH IN REFRIGERATOR	VICTORY RS-2D-S7	51" x 32" x 80"	120	1		8.2								
K-44	HOSE REEL	T&S B-140.3	-----					⅜"	⅜"						I.P.S. @ 48" A.F.F. / MIXING VALVE / VACUUM BREAKER
K-45	WASHER	UNDER RESIDENTIAL APPLIANCES ALLOW.	-----												PER SPECS
K-46	DRYER	UNDER RESIDENTIAL APPLIANCES ALLOW.	-----												PER SPECS
K-47	50 lb SCALE	EDLUND LP-100	-----												
K-48	MOBLE DUNNAGE RACKS	NEXEL DM2460N	60" x 24" x 12"												
K-49	3 COMPARTMENT POT SINK	FABRICATED	138" x 30" x 36"					(2) ½"	(2) ½"		2"				PER DETAIL K-10.3
K-50	SINK HEATER	HATCO 3CS-9B	13" x 21" x 20"	480	3		25				¾"				
K-51	POT RACK	LOW TEMP SWS-10	10'-0" LONG												WITH S.S. BACKER PER DETAIL K-10.3.6
K-52	STORAGE SHELVES	NEXEL 2448N	-----												
K-53	STORAGE SHELVES	NEXEL 2436N	-----												STORAGE 244
K-54	STORAGE SHELVES	NEXEL 2442N	-----												
K-55	SPRAY STANCHION	T&S B193	9" DIA x 45¾" HIGH												
K-56	2 COMPARTMENT S.S. SINK	FABRICATED	100" x 30" x 36"					½"	1"		Yes				ART 239, 217 - SEE INTERIOR ELEVATIONS
K-57	2 COMPARTMENT S.S. SINK	FABRICATED	88" x 30" x 36"					½"	1"		Yes				CONCESSION 302 / LAUNDRY 329
K-58	ICE MACHINE WITH STORAGE BIN	SCOTSMAN CME806	30" x 32" x 44"	208	1	2.5	17.5		3/8"		Yes				BH-550 BIN / CONCESSION 302 / TRAINING 316

Each Art Classroom to receive (1) K-56 Two Compartment Stainless Steel Sink.

Each of the following Rooms to receive (1) K-57 Two Compartment Stainless Steel Sink:
Gymnasium Concession 302

Each of the following Rooms to receive (1) K-58 Ice Machine:
Gymnasium Concession 302
Training 316

Notes:
(1) 2 PSI Natural Gas to be provided by Mechanical Contractor.
(2) All gas fired equipment shall be provided with individual gas regulator at the appliance.
(3) All final Connections by Kitchen Equipment Contractor

No.	Date	Revision

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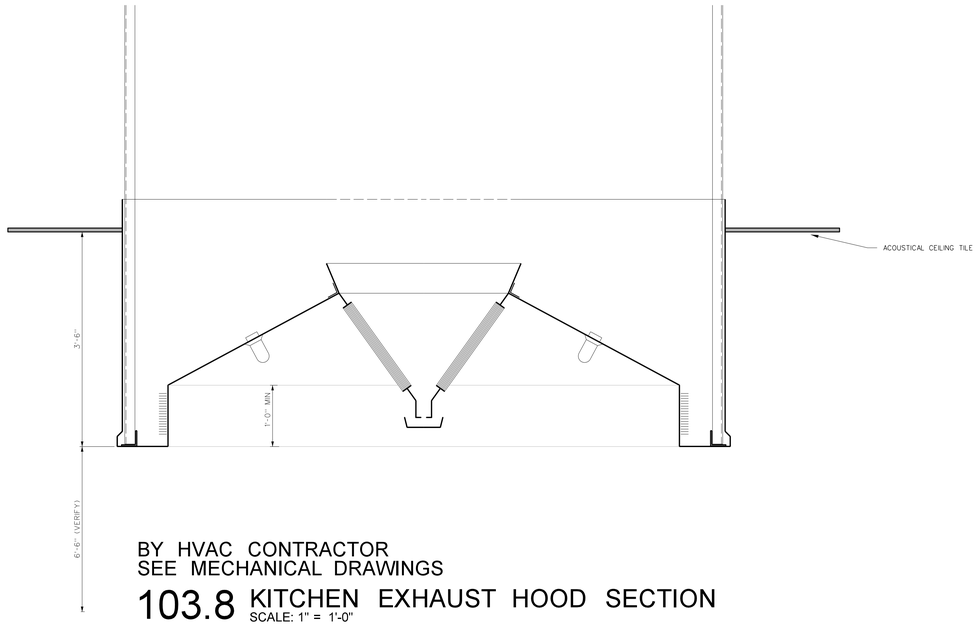
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Project No. 21131
Date 28 March 2012
Drawing no. K 102

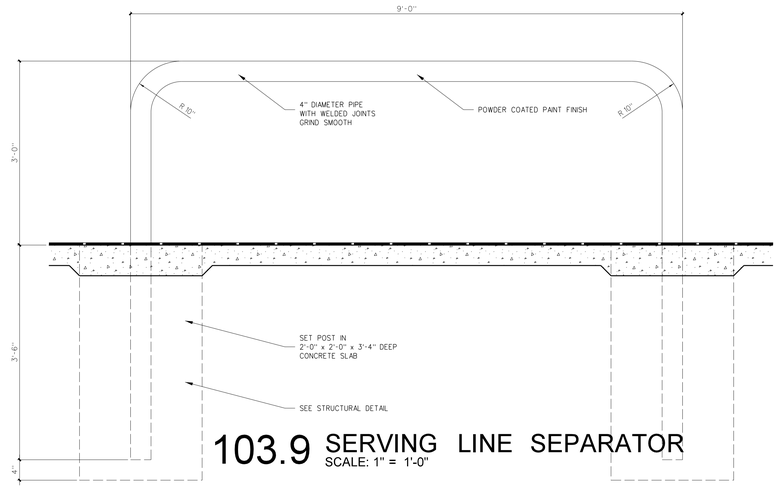
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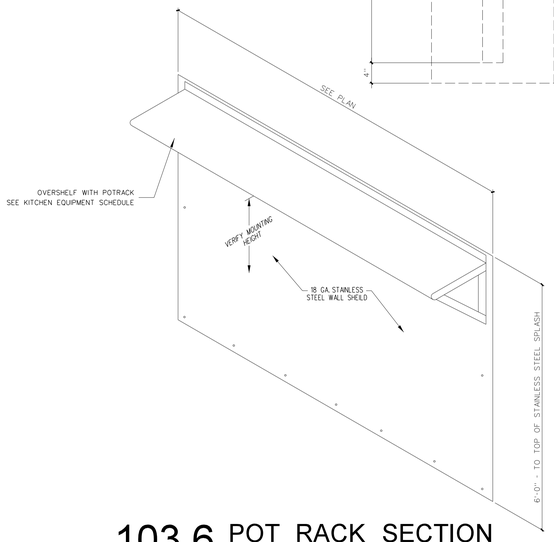
BY HVAC CONTRACTOR
SEE MECHANICAL DRAWINGS

103.8 KITCHEN EXHAUST HOOD SECTION
SCALE: 1" = 1'-0"

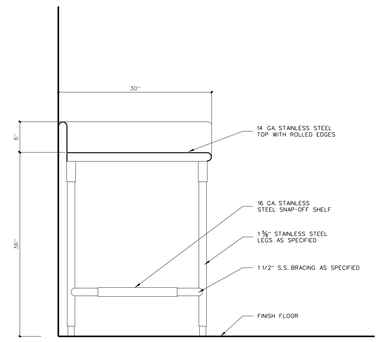
103.7 NOT USED
SCALE: none



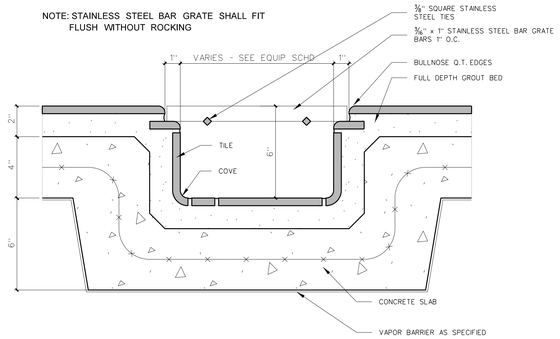
103.9 SERVING LINE SEPARATOR
SCALE: 1" = 1'-0"



103.6 POT RACK SECTION
SCALE: none

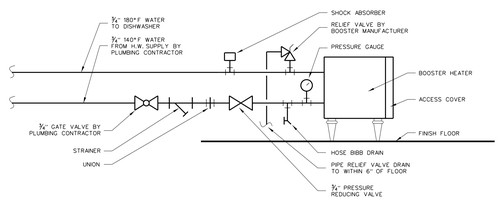


103.3 TYPICAL SINK SECTION
SCALE: 1" = 1'-0"

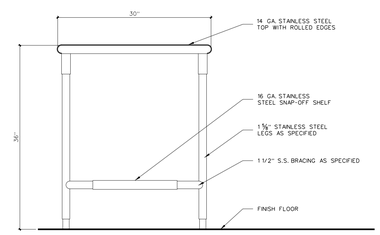


103.5 TRENCH GRATE DETAIL
SCALE: none

103.2 S.S. WORK TABLE w/ SPLASH
SCALE: 1" = 1'-0"



103.4 BOOSTER HEATER DETAIL
SCALE: none



103.1 S.S. WORK TABLE
SCALE: 1" = 1'-0"

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RECORD DRAWING

Project No.
21131

Date:
28 March 2012

Drawing no.
K
103

New Bertie High School

Bertie County Schools

716 US 13 North / NCDPS Unit 080 – School 312

Windsor / Bertie County / North Carolina

Project No.	21131
Date:	28 March 2012
Drawing No.	S 101

JDA Engineers, P.A.
1019 Passport Way
Cary, NC 27513
(919) 677-3004

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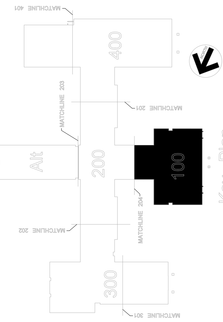
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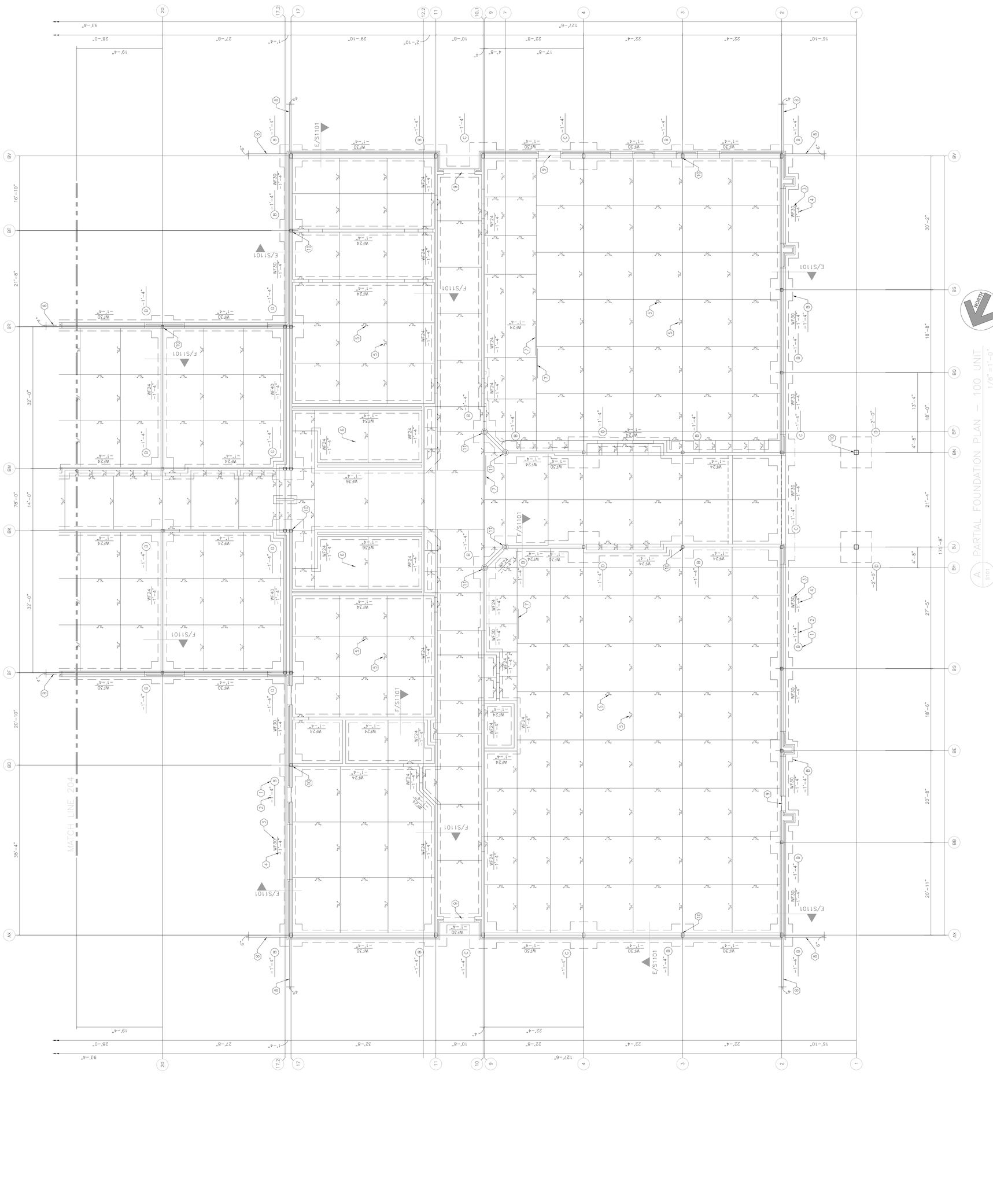
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KEYNOTES FOR FOUNDATION PLAN A/S101

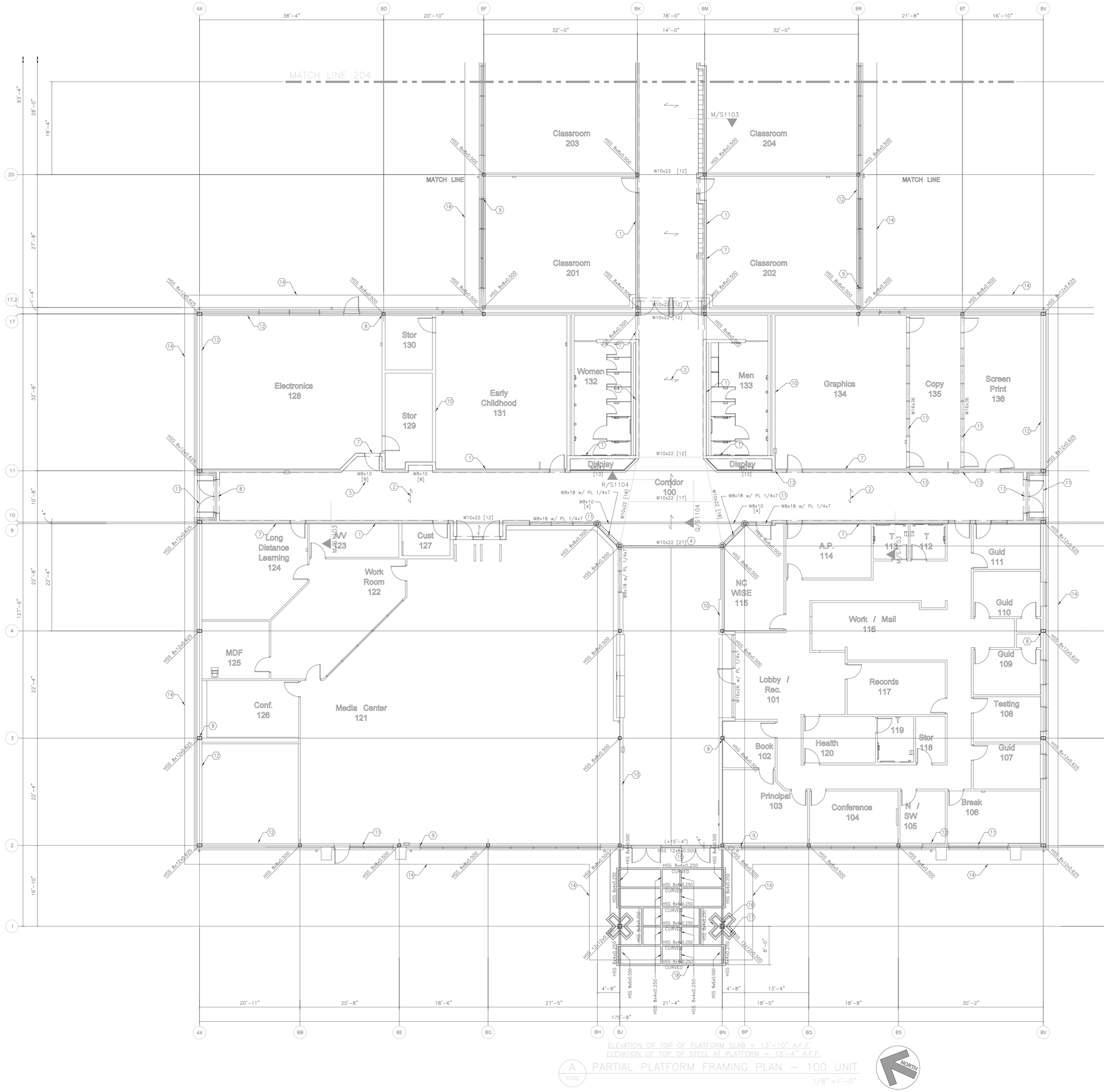
1) INDICATES TYPICAL COLUMN FOOTING TYPE. REFER TO COLUMN FOOTING SCHEDULE. REFER TO DETAIL R/S1101 FOR TYPICAL COLUMN BASE.
2) INDICATES ELEVATION OF TOP OF COLUMN FOOTING BELOW FINISH FLOOR ELEVATION. REFER TO ARCHITECTURAL DRAWINGS FOR FINISH FLOOR ELEVATIONS.
3) INDICATES WIDTH OF CONTINUOUS RIBBON WALL FOOTING IN INCHES FOR INTERIOR CMU PARTITIONS AND WALLS AND EXTERIOR CMU AND BRICK VENEER WALLS. REFER TO TYPICAL WALL FOOTING DETAIL K/S1101 FOR WALL FOOTING DETAILS. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION AND THICKNESS AND TYPES OF ALL MASONRY WALLS.
4) INDICATES ELEVATION OF TOP OF WALL FOOTING BELOW FINISH FLOOR ELEVATION. REFER TO ARCHITECTURAL DRAWINGS FOR FINISH FLOOR ELEVATION. WALL FOOTINGS SHALL BE PLACED MONOLITHIC WITH AND FULL DEPTH OF SLAB ON GRADE. CONTINUOUS CONTROL JOINTS IN WALL FOOTING REINFORCING SHALL BE CONTINUOUS THROUGH COLUMN FOOTINGS. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION OF CONTROL JOINTS IN WALL FOOTINGS. REFER TO TYPICAL WALL CONSTRUCTION JOINT DETAIL K/S1101.
5) "SJ" INDICATES LOCATION OF FLOOR SLAB JOINTS. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS AND TYPE OF JOINT WHETHER CONTROL JOINT OR FLOOR SLAB CONSTRUCTION JOINT SHALL BE AT THE OPTION OF THE CONTRACTOR EXCEPT THAT ALL SLAB ON GRADE DOORWAYS SHALL BE PROVIDED WITH CONSTRUCTION JOINT TYPE.
6) REFER TO ARCHITECTURAL DRAWINGS FOR FLOOR SLAB DEPRESSIONS AND FLOOR SLAB SLOPES TO DRAINS AS REQUIRED FOR FLOOR FINISHES TYPICAL ALL AREAS.
7) REFER TO TYPICAL SLAB ON GRADE REINFORCEMENT PLACED AT MIDDEPTH OF SLAB 3" FROM FLOOR JOINT FOR CRACK CONTROL.
8) REFER TO TYPICAL WALL CONSTRUCTION DETAILS AT TOP OF EXTERIOR FACE OF CMU FOUNDATION. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSION AND DETAILS TO FACE OF BRICK VENEER AT ALL WALLS.
9) REFER TO TYPICAL WALL CONSTRUCTION DETAILS FOR SLAB EDGE AT DOORWAYS.
10) REFER TO TYPICAL R/S1101 FOR TYPICAL COLUMN BASE. REFER TO DETAIL M/S1101 FOR TYPICAL COLUMN BASE PLATE DETAILS AND REQUIREMENTS FOR ANCHOR BOLTS.
11) REFER TO DETAIL T/S1101 FOR TYPICAL COLUMN ENCASEMENT IN CONCRETE UP TO PLATFORM LEVEL. VERIFY ALL ENCASEMENT FINISH DETAILS WITH ARCHITECT DRAWINGS.





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ELEVATION OF TOP OF PLATFORM SLAB = 13'-10" A.F.F.
ELEVATION OF TOP OF STEEL AT PLATFORM = 13'-4" A.F.F.

A S102 PARTIAL PLATFORM FRAMING PLAN – 100 UNIT

1/8"=1'-0"

KEYNOTES FOR UTILITY PLATFORM A/S102

1) INDICATES 8" CMU LOAD BEARING WALLS SUPPORTING PLATFORM. VERIFY WITH ARCHITECTURAL WHETHER SLAB EDGES ARE CONCEALED OR EXPOSED TO VIEW. REFER TO SLAB EDGE DETAILS ON SHEETS S/1103 AND S/1104. REFER TO GENERAL NOTES FOR INTERIOR VERTICAL WALL REINFORCING.
2) INDICATES DIRECTION OF SPAN FOR 3" DEEP GALVANIZED COMPOSITE METAL FLOOR DECK. REFER TO GENERAL NOTES. SINGLE DECK SPANS EXCEEDING 10'-6" WILL REQUIRE TEMPORARY SHORING. REFER TO MANUFACTURERS RECOMMENDATIONS FOR ADDITIONAL TEMPORARY SHORING REQUIREMENTS. IF TEMPORARY SHORING BECOMES NECESSARY PLACE SHORING AT MIDSPAN OF DECK SPAN. PROVIDE TOP OF SHORING TO BE 1/4" BELOW BOTTOM OF DECK SO THAT THE WEIGHT OF THE FRESH CONCRETE SETTLES THE DECK DOWN TO THE SHORING SO THAT THE DECK IS NEVER PLACED IN A CAMBERED UP CONDITION.
3) [XX] INDICATES THE NUMBER OF 3/4" DIAMETER X 4 1/2" LONG (AFTER WELDING)HEADED SHEAR STUDS TO BE SPACED UNIFORMLY ALONG THE TOP FLANGE CENTERLINE THE FULL LENGTH OF THE DESIGNATED BEAM. PLACE STUDS IN THE SIDE OF THE METAL DECK FLUTE NEAREST THE BEAM SUPPORT FOR MAXIMUM SHEAR STUD STRENGTH. REFER TO DETAIL AA/S1104.
4) REFER TO THE COMPOSITE BEAM SHORING SCHEDULE FOR TEMPORARY SHORING REQUIREMENTS OF STEEL BEAMS WITH FIELD APPLIED HEADED SHEAR STUDS.
5) VERIFY ALL STAIR OPENINGS WITH ARCHITECTURAL DRAWINGS. PROVIDE MINIMUM 1/4" BENT PLATE SCREEDS SHOP WELDED TO BEAMS AT ALL SLAB EDGES.
6) PROVIDE W8X10 LINTEL W/ 1/4" X 7" FULL LENGTH BOTTOM PLATE FOR ALL INTERIOR DOORS IN 8" CMU WALLS ADJACENT HSS COLUMNS WHERE THE MASONRY JAMB ADJACENT TO THE COLUMN PROVIDES LESS THAN 12" FOR LINTEL BEARING. CONNECT BEAM TO THE COLUMN AT THAT END AND BEAR THE OPPOSITE END 12" ONTO MASONRY WALL WITH 2 – 3/4" X 1'-4" HEADED ANCHOR BOLTS SET 4" FROM END OF BEAM BEARING ON MASONRY. FILL DOOR JAMBS WITH 3000 PSI CONCRETE AS PER GENERAL NOTES AND PROVIDE REINFORCING IN JAMBS AS SPECIFIED. REFER TO DETAIL BB/S1104.
7) PROVIDE CONTINUOUS 1/4" BENT PLATE SCREED AT SLAB EDGE WITH 8" UPSTANDING VERTICAL LEG WITH 1/2" DIAMETER X 4 1/2" LONG (AFTER WELDING)HEADED SHEAR STUDS WELDED AT 45 DEG IN ANGLE FILLET. SPACE STUDS AT 24" OC MAXIMUM.
8) TIE ALL CMU TO ALL CONTACT FACES OF HSS COLUMNS SPECIFIED. REFER TO SHEET S1104.
9) REFER TO DETAIL B/S1102 FOR FASTENING LIGHT GAGE WINDOW AND DOOR HEADERS TO CMU WALL JAMB.
10) REFER TO GENERAL NOTES FOR INTERIOR VERTICAL WALL REINFORCING.
11) REFER TO ARCHITECTURAL DRAWINGS FOR ALL LINTEL ELEVATIONS.
12) REFER TO GENERAL NOTES FOR EXTERIOR VERTICAL WALL REINFORCING.
13) REFER TO DETAILS J/S1108 AND M/S1108 FOR TYPICAL BEAM BEARING ON MASONRY WALL DETAILS.
14) EDGE OF ROOF OVERHANG ABOVE. REFER TO ARCHITECTURAL DRAWINGS.
15) HSS 12 X 8 BEAM WITH 12" VERTICAL WITH BOTTOM ELEVATIONS AT 14'-4" AND ABOVE FINISH FLOOR. PROVIDE FOR BEAM TO BE FULL 24'-8" LONG AND BE SHOP COPED AND FIELD WELDED FULLY TO COLUMNS WITH 5/16" FILLET WELDING ALL AROUND. PROVIDE A 1/2" CLOSURE PLATE SHOP WELDED FULLY TO OPEN END OF BEAM AT COLUMNS.
16) PROVIDE NEAT HOLES IN BOTH FACES OF HSS 12 X 12 COLUMN TO ALLOW FOR HSS 8 x 6 CANTILEVERED BEAM WITH 8" VERTICAL TO PASS CONTINUOUSLY THROUGH THE COLUMN. FIELD WELD BEAM FULLY ALL AROUND TO THE COLUMN WITH 5/16" FILLET WELDING. ALL EXPOSED SHOP OR FIELD WELDING FOR ENTRANCE CANOPY FRAMING SHALL BE GROUND SMOOTH TO MEET AISC ARCHITECTURALLY EXPOSED STRUCTURAL STEEL STANDARDS.
17) ALL CMU WALL CAVITY AT ENTRANCE CANOPY COLUMNS SHALL BE GROUTED 100% SOLID TO THE STEEL HSS COLUMNS FULL HEIGHT. PROVIDE 1 – #6 FULL HEIGHT IN EACH CMU CORE. PROVIDE HORIZONTAL MASONRY JOINT REINFORCING AS SPECIFIED AT 16" OC VERTICALLY. PROVIDE ADJUSTABLE MASONRY TIES TO ALL STEEL COLUMN FACED AS SPECIFIED.
18) REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS OF EXPOSED FRONT CANOPY FRAMING. PROVIDE HOT DIP GALVANIZED FINISH AS SPECIFIED.

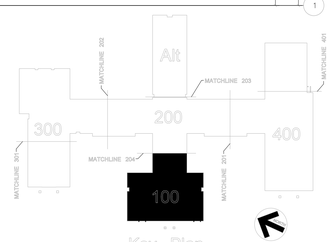
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No.	Date	Revision

New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 – School 312
Windsor / Bertie County / North Carolina

Project No. 21131
Date: 28 March 2012
Drawing no. S 102



KEYNOTES FOR ROOF FRAMING - SHEET S103

1) STANDARD TYPE "N" CANTILEVERED EXTENDED ENDS AT OVERHANGS WITH 2" x 12" BENT PLATE WELDED TO TOP CHORD OF JOIST WITH 10 LB PER LINEAL FOOT APPLIED UPWARD OR DOWNWARD. REFER TO BEARING B/S1107 AND N/S1107 FOR PROFILE. REFER TO 1/2" DEEP JOIST BEARING DEPTH FOR "LH" SERIES JOISTS. CONTINUOUS BOTTOM CHORD BEVEL PLATES AT EAVE FIELD FABRICATORS.

2) STANDARD TYPE "S" BENT PLATES AT EAVE FIELD WELDED TO TOP AND BOTTOM OF JOIST EXTENDED TOP CHORDS. REFER TO DETAILS B/S1107 AND N/S1107. REFER TO TYPICAL CONTINUOUS BENT PLATE JOINTS FOR THERMAL RELIEF JOIN LENGTHS BETWEEN BENT PLATE JOINTS FOR THERMAL RELIEF JOIN REFER TO DETAIL 5/S1107 FOR CONTINUOUS BENT PLATE JOINTS FIELD WELD METAL ROOF DECK TO THE TOP BENT PLATE WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.

3) STANDARD 4 X 4 X 1/4 AT EDGE OF GABLE FIELD WELDED CONTINUOUS ANGLE 4 X 4 X 1/4 AT EDGE OF GABLE FIELD WELDED TO TOP CHORD OF JOISTS AT GABLE ENDS FIELD WELDED WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.

4) STANDARD TYPE "N" 2" X 12" BENT PLATE AT RIDGE FIELD WELDED TO TOP CHORDS OF JOISTS EACH SIDE OF RIDGE. REFER TO DETAIL 4/S1107 FOR RIDGE DETAIL. REFER TO L/S1106, AND M/S1106 FOR MAXIMUM CONTINUOUS LENGTHS BETWEEN BENT PLATE JOINTS FOR THERMAL RELIEF JOIN. REFER TO DETAIL 7/S1107 FOR CONTINUOUS BENT PLATE JOINTS FIELD WELD METAL ROOF DECK TO BENT RIDGE PLATES WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC. REFER TO DETAIL 2/S1107 AS SIMILAR.

5) STANDARD 4 X 4 X 1/4 AT EDGE OF GABLE FIELD WELDED CONTINUOUS ANGLE 4 X 4 X 1/4 AT EDGE OF GABLE FIELD WELDED TO TOP CHORDS OF JOISTS AT GABLE ENDS FIELD WELDED WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.

6) STANDARD TYPE "S" 2" X 12" BENT PLATE AT 24" OC MAXIMUM ALONG GABLE ENDS FIELD WELDED TO TOP CHORD OF JOISTS AT GABLE ENDS FIELD WELDED TO TOP BENT PLATE WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC. REFER TO DETAIL 2/S1107 FOR CONTINUOUS BENT PLATE JOINTS FIELD WELD METAL ROOF DECK TO BENT RIDGE PLATES WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.

7) STEEL BEAMS NOTED WITH (XX'-XX") INDICATES TOP-OF BEAM ELEVATIONS. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR FINISH FLOOR ELEVATION.

8) STANDARD 4 X 4 X 1/4 AT EDGE OF GABLE FIELD WELDED GABLE ANGLE TO SUPPORT METAL ROOF DECK AT ALL ROOF CORNERS. FIELD TRIM AND FIELD WELD FULLY RIDGE BENT PLATE AND GABLE ANGLE TO FIT WITHIN THE ROOF DECK LAYOUT. EXERCISE PROPER CARE IN FIELD WELDING OUTRIGGERS TO BENT BEAMS SO AS NOT TO CREATE NEGATIVE CAMBER IN THE OUTRIGGERS AND NOT TO DAMAGE JOISTS. REFER TO DETAIL 1/S1107 FOR OUTRIGGERS.

9) (X) INDICATES FIELD WELDED ADDITIONAL DIAGONAL BRIDGING IN JOIST SPACE INDICATED. REFER TO DETAIL 2/S1107 AS SIMILAR.

10) STANDARD FIELD BEVEL JOIST BOTTOM CHORD 3/4" SPACERS BE EXTENDED ALONG BOTTOM CHORD AND WELDED TO 6" X 6" X 6" TAB PLATE SHOP WELDED ON COLUMN FOR FIELD WELDED CONNECTION. REFER TO DETAIL 8/S1107.

11) "LCX" AT JOIST GIRDER OF BEAM INDICATES TWO LOOSE BOTTOM CHORD EXTENSIONS AT SUPPORT. REFER TO DETAIL 5/S1107 OF JOIST GIRDER OR BEAM. REFER TO DETAIL 8/S1107 AS SIMILAR.

12) INDICATES A THREE PIECE FIELD WELDED ANGLE BRACE 3 X 3 X 1/4 AT THE TOP CHORD OF JOISTS AT COLUMN LINE 1 AND 20 AT GRID BV TIE AT COLUMN OFFSET FROM JOIST CONNECTION. FIELD WELD ANGLE BRACE MEMBERS TO BOTTOM CHORD OF JOISTS AND TO A TAB PLATE SHOP WELDED TO COLUMN. REFER TO DETAIL 6/S1106 AS SIMILAR.

13) STANDARD FIELD WELDED HORIZONTAL BRIDGING SIZED AS PER SJI AT END PANEL POINT OF BOTTOM CHORD OF JOISTS FOR UPLIFT. TYPICAL FIELD BOLTED DIAGONAL BRACING AS PER SJI.

14) STANDARD FIELD WELDED HORIZONTAL BRIDGING SIZED AS PER SJI JOIST BRIDGING REQUIREMENTS.

15) INDICATES SUPPORTS FOR HYDRONIC PIPING CONNECTED TO ROOF STRUCTURE AT 10'-0" OC MAXIMUM. REFER TO DETAIL 3/S1107 FOR HYDRONIC PIPING SUPPORTS ARE SPECIFIED WITH THE PIPING MANUFACTURER'S RECOMMENDATIONS. REFER TO DETAIL 4/S1106 FOR TRAPEZE HANGERS DO NOT HIT WITHIN 6" OF A JOIST PANEL POINT WHERE TRAPEZE HANGERS ARE WELDED TO JOISTS. TRAPEZE HANGERS WELDED AS SPECIFIED. REFER TO DETAIL C/S1106, CONTRACTOR SHALL VERIFY AND PROVIDE THE FULL EXTENT OF THE REQUIRED PIPING SUPPORTS AS SHOWN.

16) INDICATES APPROXIMATE LOCATION OF TRAPEZE STYLE HYDRONIC PIPING SUPPORTS RUNNING PERPENDICULAR TO ROOF FRAMING. REFER TO DETAIL K/S1110 AS SIMILAR. PROVIDE LATERAL DIAGONAL TENSION BRACING BOTH SIDES OF TRAPEZE TO ROOF STRUCTURE AT 40'-0" OC MAXIMUM. REFER TO DETAIL 4/S1106 AS SIMILAR. PROVIDE VERTICAL HANGER DROP LENGTH EXCEEDS 2'-0". ROOF JOISTS IN AREAS OF PIPING SUPPORTS ARE SPECIFIED WITH THE PIPING MANUFACTURER'S RECOMMENDATIONS. REFER TO DETAIL 4/S1106 FOR TRAPEZE HANGERS DO NOT HIT WITHIN 6" OF A JOIST PANEL POINT WHERE TRAPEZE HANGERS ARE WELDED TO JOISTS. TRAPEZE HANGERS WELDED AS SPECIFIED. REFER TO DETAIL C/S1106, CONTRACTOR SHALL VERIFY AND PROVIDE THE FULL EXTENT OF THE REQUIRED PIPING SUPPORTS AS SHOWN.

17) INDICATES APPROXIMATE LOCATION OF TRAPEZE STYLE HYDRONIC PIPING SUPPORTS RUNNING PARALLEL TO ROOF FRAMING. REFER TO DETAIL K/S1110 AS SIMILAR. PROVIDE LATERAL DIAGONAL TENSION BRACING WITH 45° SLOPE BOTH SIDES OF TRAPEZE TO ROOF STRUCTURE AT 40'-0" OC MAXIMUM. REFER TO DETAIL 4/S1106 AS SIMILAR. PROVIDE VERTICAL HANGER DROP LENGTH EXCEEDS 2'-0". ROOF JOISTS IN AREAS OF PIPING SUPPORTS ARE SPECIFIED WITH THE PIPING MANUFACTURER'S RECOMMENDATIONS. REFER TO DETAIL 4/S1106 FOR TRAPEZE HANGERS DO NOT HIT WITHIN 6" OF A JOIST PANEL POINT WHERE TRAPEZE HANGERS ARE WELDED TO JOISTS. TRAPEZE HANGERS WELDED AS SPECIFIED. REFER TO DETAIL C/S1106, CONTRACTOR SHALL VERIFY AND PROVIDE THE FULL EXTENT OF THE REQUIRED PIPING SUPPORTS AS SHOWN.

18) INDICATES APPROXIMATE LOCATION OF TRAPEZE STYLE HYDRONIC PIPING SUPPORTS RUNNING PERPENDICULAR TO ROOF FRAMING. REFER TO DETAIL K/S1110 AS SIMILAR. PROVIDE LATERAL DIAGONAL TENSION BRACING WITH 45° SLOPE BOTH SIDES OF TRAPEZE TO ROOF STRUCTURE AT 40'-0" OC MAXIMUM. REFER TO DETAIL 4/S1106 AS SIMILAR. PROVIDE VERTICAL HANGER DROP LENGTH EXCEEDS 2'-0". ROOF JOISTS IN AREAS OF PIPING SUPPORTS ARE SPECIFIED WITH THE PIPING MANUFACTURER'S RECOMMENDATIONS. REFER TO DETAIL 4/S1106 FOR TRAPEZE HANGERS DO NOT HIT WITHIN 6" OF A JOIST PANEL POINT WHERE TRAPEZE HANGERS ARE WELDED TO JOISTS. TRAPEZE HANGERS WELDED AS SPECIFIED. REFER TO DETAIL C/S1106, CONTRACTOR SHALL VERIFY AND PROVIDE THE FULL EXTENT OF THE REQUIRED PIPING SUPPORTS AS SHOWN.

19) INDICATES APPROXIMATE LOCATION OF TRAPEZE STYLE HYDRONIC PIPING SUPPORTS RUNNING PERPENDICULAR TO ROOF FRAMING. REFER TO DETAIL K/S1110 AS SIMILAR. PROVIDE LATERAL DIAGONAL TENSION BRACING WITH 45° SLOPE BOTH SIDES OF TRAPEZE TO ROOF STRUCTURE AT 40'-0" OC MAXIMUM. REFER TO DETAIL 4/S1106 AS SIMILAR. PROVIDE VERTICAL HANGER DROP LENGTH EXCEEDS 2'-0". ROOF JOISTS IN AREAS OF PIPING SUPPORTS ARE SPECIFIED WITH THE PIPING MANUFACTURER'S RECOMMENDATIONS. REFER TO DETAIL 4/S1106 FOR TRAPEZE HANGERS DO NOT HIT WITHIN 6" OF A JOIST PANEL POINT WHERE TRAPEZE HANGERS ARE WELDED TO JOISTS. TRAPEZE HANGERS WELDED AS SPECIFIED. REFER TO DETAIL C/S1106, CONTRACTOR SHALL VERIFY AND PROVIDE THE FULL EXTENT OF THE REQUIRED PIPING SUPPORTS AS SHOWN.

20) HYDRONIC PIPING SUPPORT SYSTEM TO BE ATTACHED TO TOP CHORDS OF JOISTS. SYSTEM TO BE PROVIDED BY MECHANICAL CONTRACTOR. REFER TO PLATFORM WITH TOTAL UNIFORM UNFACTORED SERVICE LOAD RATING OF 300 LB PER LINEAL FOOT APPLIED UPWARD OR DOWNWARD. REFER TO DEPTH WITH THE STEEL AND JOIST FABRICATORS DRAWINGS. ARCHITECTURAL AND STRUCTURAL DRAWINGS.

21) "TOJ" INDICATES TOP OF JOIST OR BENT BEAM ELEVATION (BOTTOM OF ROOF DECK ABOVE MAIN FINISH FIRST FLOOR. REFER TO REFER TO DETAIL D/S1107 AT "LCX" AT HIGH END SUPPORT WITH EXTENDED TOP CHORD AT JOISTS AT GRID BV.

22) REFER TO DETAIL D/S1107 AT "BCX" AT HIGH END SUPPORT WITH EXTENDED BOTTOM CHORD AT JOISTS AT GRID BV.

23) REFER TO DETAIL C/S1107 AT "BCX" AT HIGH END SUPPORT AT RIDGE.

24) REFER TO DETAIL C/S1107 AT "BCX" AT HIGH END SUPPORT AT RIDGE.

25) REFER TO GENERAL NOTES.

26) DECK SPAN DIRECTION. REFER TO DETAIL 1/S1106 AS SIMILAR.

27) FIELD TRIM AND FIELD WELD FULLY TOP EAVE BENT PLATE AND FIELD TRIM AND FIELD WELD FULLY RIDGE AND VALLEY PLATES TO THE "BENT" BEAM DESIGNATION INDICATES A BEAM WITH A FULL STRENGTH MOMENT CONNECTION AT THE ROOF RIDGE. TUBULAR CANOPY BEAMS. REFER TO DETAIL C/S1108 AS SIMILAR.

28) INDICATES TWO CONTINUOUS 1/4" BENT PLATES AT EAVE FIELD WELDED TO TOP AND BOTTOM OF BENT BEAMS AT EAVE FIELD ENDS. REFER TO DETAIL C/S1108 JOIN BENT PLATE SECTIONS ONLY AT BENT BEAMS. FIELD WELD METAL ROOF DECK TO THE TOP BENT PLATE WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.

29) INDICATES TO PROVIDE A CONTINUOUS 1/4" X 12" BENT PLATE AT EAVE FIELD WELDED TO TOP AND BOTTOM OF BENT BEAMS AS SIMILAR. JOIN BENT PLATE SECTIONS ONLY OVER BENT BEAMS. FIELD WELD METAL ROOF DECK TO BENT RIDGE PLATES WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC. REFER TO DETAIL 2/S1106 AS SIMILAR. REFER TO DETAIL 2/S1107 AS SIMILAR FOR BENT PLATE TRANSITION FROM 3 "PE" METAL ROOF DECK TO 1.5" TYPE "B" METAL ROOF DECK. REFER TO DETAIL 3/S1107 AS SIMILAR FOR BENT PLATE TO SUPPORT BEAMS AS REQUIRED AT TRANSITION OF 3 "PE" METAL ROOF DECK TO 1.5" TYPE "B" METAL ROOF DECK.

30) W10 BENT BEAM CANTILEVERED AT FRONT ENTRANCE CANOPY. REFER TO DETAIL C/S1108 SPACED AT 24" OC MAXIMUM FOR SUPPORT OF DECK SUPPORT ANGLE AT CANOPY ROOF CANTILEVER. REFER TO DETAIL 1/S1107 AS SIMILAR. CAREFULLY COORDINATE LOCATION OF CANOPY TO FIT WITHIN THE ROOF DECK LAYOUT. EXERCISE PROPER CARE IN FIELD WELDING OUTRIGGERS TO BENT BEAMS SO AS NOT TO CREATE NEGATIVE CAMBER IN THE OUTRIGGERS AND NOT TO DAMAGE BENT BEAMS. REFER TO DETAIL 5/S1106, 6/S1106, AND 8/S1106 AS SIMILAR. FIELD WELD DECK TO TOP OF OUTRIGGERS WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.

31) STANDARD 4 X 4 X 1/4 AT EDGE OF GABLE FIELD WELDED CONTINUOUS ANGLE 4 X 4 X 1/4 AT EDGE OF GABLE FIELD WELDED TO TOP CHORDS OF JOISTS AT GABLE ENDS FIELD WELDED WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC. NOT OCCUR AT CANOPY ROOF.

32) STANDARD TYPE "S" BENT PLATES AT EAVE FIELD WELDED TO TOP AND BOTTOM OF JOIST EXTENDED TOP CHORDS. REFER TO DETAILS B/S1107 AND N/S1107. REFER TO TYPICAL CONTINUOUS BENT PLATE JOINTS FOR THERMAL RELIEF JOIN LENGTHS BETWEEN BENT PLATE JOINTS FOR THERMAL RELIEF JOIN REFER TO DETAIL 5/S1107 FOR CONTINUOUS BENT PLATE JOINTS FIELD WELD METAL ROOF DECK TO THE TOP BENT PLATE WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.

33) STANDARD 4 X 4 X 1/4 AT EDGE OF GABLE FIELD WELDED CONTINUOUS ANGLE 4 X 4 X 1/4 AT EDGE OF GABLE FIELD WELDED TO TOP CHORDS OF JOISTS AT GABLE ENDS FIELD WELDED WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC. NOT OCCUR AT CANOPY ROOF.

34) STANDARD TYPE "S" BENT PLATES AT EAVE FIELD WELDED TO TOP AND BOTTOM OF JOIST EXTENDED TOP CHORDS. REFER TO DETAILS B/S1107 AND N/S1107. REFER TO TYPICAL CONTINUOUS BENT PLATE JOINTS FOR THERMAL RELIEF JOIN LENGTHS BETWEEN BENT PLATE JOINTS FOR THERMAL RELIEF JOIN REFER TO DETAIL 5/S1107 FOR CONTINUOUS BENT PLATE JOINTS FIELD WELD METAL ROOF DECK TO THE TOP BENT PLATE WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.

35) HSS 1.5 X 1.5 X 0.25 OUTRIGGERS SPACED AT 24" OC MAXIMUM. REFER TO DETAIL 1/S1107 AS SIMILAR. CAREFULLY COORDINATE LOCATION OF OUTRIGGERS WITH THE ROOF DECK LAYOUT. EXERCISE PROPER CARE IN FIELD WELDING OUTRIGGERS TO BENT BEAMS SO AS NOT TO CREATE NEGATIVE CAMBER IN THE OUTRIGGERS AND NOT TO DAMAGE BENT BEAMS. FIELD WELD DECK TO TOP OF OUTRIGGERS WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC. NOT OCCUR AT CANOPY ROOF.

36) STANDARD 4 X 4 X 1/4 AT EDGE OF GABLE FIELD WELDED CONTINUOUS ANGLE 4 X 4 X 1/4 AT EDGE OF GABLE FIELD WELDED TO TOP CHORDS OF JOISTS AT GABLE ENDS FIELD WELDED WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC. NOT OCCUR AT CANOPY ROOF.

37) STANDARD TYPE "S" BENT PLATES AT EAVE FIELD WELDED TO TOP AND BOTTOM OF JOIST EXTENDED TOP CHORDS. REFER TO DETAILS B/S1107 AND N/S1107. REFER TO TYPICAL CONTINUOUS BENT PLATE JOINTS FOR THERMAL RELIEF JOIN LENGTHS BETWEEN BENT PLATE JOINTS FOR THERMAL RELIEF JOIN REFER TO DETAIL 5/S1107 FOR CONTINUOUS BENT PLATE JOINTS FIELD WELD METAL ROOF DECK TO THE TOP BENT PLATE WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.

38) STANDARD 4 X 4 X 1/4 AT EDGE OF GABLE FIELD WELDED CONTINUOUS ANGLE 4 X 4 X 1/4 AT EDGE OF GABLE FIELD WELDED TO TOP CHORDS OF JOISTS AT GABLE ENDS FIELD WELDED WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC. NOT OCCUR AT CANOPY ROOF.

39) STANDARD TYPE "S" BENT PLATES AT EAVE FIELD WELDED TO TOP AND BOTTOM OF JOIST EXTENDED TOP CHORDS. REFER TO DETAILS B/S1107 AND N/S1107. REFER TO TYPICAL CONTINUOUS BENT PLATE JOINTS FOR THERMAL RELIEF JOIN LENGTHS BETWEEN BENT PLATE JOINTS FOR THERMAL RELIEF JOIN REFER TO DETAIL 5/S1107 FOR CONTINUOUS BENT PLATE JOINTS FIELD WELD METAL ROOF DECK TO THE TOP BENT PLATE WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.

40) INDICATES TWO CONTINUOUS 1/4" BENT PLATES AT EAVE FIELD WELDED TO TOP AND BOTTOM OF BENT BEAMS AT EAVE FIELD ENDS. REFER TO DETAIL C/S1108 JOIN BENT PLATE SECTIONS ONLY AT BENT BEAMS. FIELD WELD METAL ROOF DECK TO THE TOP BENT PLATE WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.

41) INDICATES TO PROVIDE A CONTINUOUS 1/4" X 12" BENT PLATE AT EAVE FIELD WELDED TO TOP AND BOTTOM OF BENT BEAMS AS SIMILAR. JOIN BENT PLATE SECTIONS ONLY OVER BENT BEAMS. FIELD WELD METAL ROOF DECK TO BENT RIDGE PLATES WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC. REFER TO DETAIL 2/S1106 AS SIMILAR. REFER TO DETAIL 2/S1107 AS SIMILAR FOR BENT PLATE TRANSITION FROM 3 "PE" METAL ROOF DECK TO 1.5" TYPE "B" METAL ROOF DECK. REFER TO DETAIL 3/S1107 AS SIMILAR FOR BENT PLATE TO SUPPORT BEAMS AS REQUIRED AT TRANSITION OF 3 "PE" METAL ROOF DECK TO 1.5" TYPE "B" METAL ROOF DECK.

42) W10 BENT BEAM CANTILEVERED AT FRONT ENTRANCE CANOPY. REFER TO DETAIL C/S1108 SPACED AT 24" OC MAXIMUM FOR SUPPORT OF DECK SUPPORT ANGLE AT CANOPY ROOF CANTILEVER. REFER TO DETAIL 1/S1107 AS SIMILAR. CAREFULLY COORDINATE LOCATION OF CANOPY TO FIT WITHIN THE ROOF DECK LAYOUT. EXERCISE PROPER CARE IN FIELD WELDING OUTRIGGERS TO BENT BEAMS SO AS NOT TO CREATE NEGATIVE CAMBER IN THE OUTRIGGERS AND NOT TO DAMAGE BENT BEAMS. FIELD WELD DECK TO TOP OF OUTRIGGERS WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC. NOT OCCUR AT CANOPY ROOF.

43) HSS 1.5 X 1.5 X 0.25 OUTRIGGERS SPACED AT 24" OC MAXIMUM. REFER TO DETAIL 1/S1107 AS SIMILAR. CAREFULLY COORDINATE LOCATION OF OUTRIGGERS WITH THE ROOF DECK LAYOUT. EXERCISE PROPER CARE IN FIELD WELDING OUTRIGGERS TO BENT BEAMS SO AS NOT TO CREATE NEGATIVE CAMBER IN THE OUTRIGGERS AND NOT TO DAMAGE BENT BEAMS. FIELD WELD DECK TO TOP OF OUTRIGGERS WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC. NOT OCCUR AT CANOPY ROOF.

44) STANDARD TYPE "S" BENT PLATES AT EAVE FIELD WELDED TO TOP AND BOTTOM OF JOIST EXTENDED TOP CHORDS. REFER TO DETAILS B/S1107 AND N/S1107. REFER TO TYPICAL CONTINUOUS BENT PLATE JOINTS FOR THERMAL RELIEF JOIN LENGTHS BETWEEN BENT PLATE JOINTS FOR THERMAL RELIEF JOIN REFER TO DETAIL 5/S1107 FOR CONTINUOUS BENT PLATE JOINTS FIELD WELD METAL ROOF DECK TO THE TOP BENT PLATE WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.

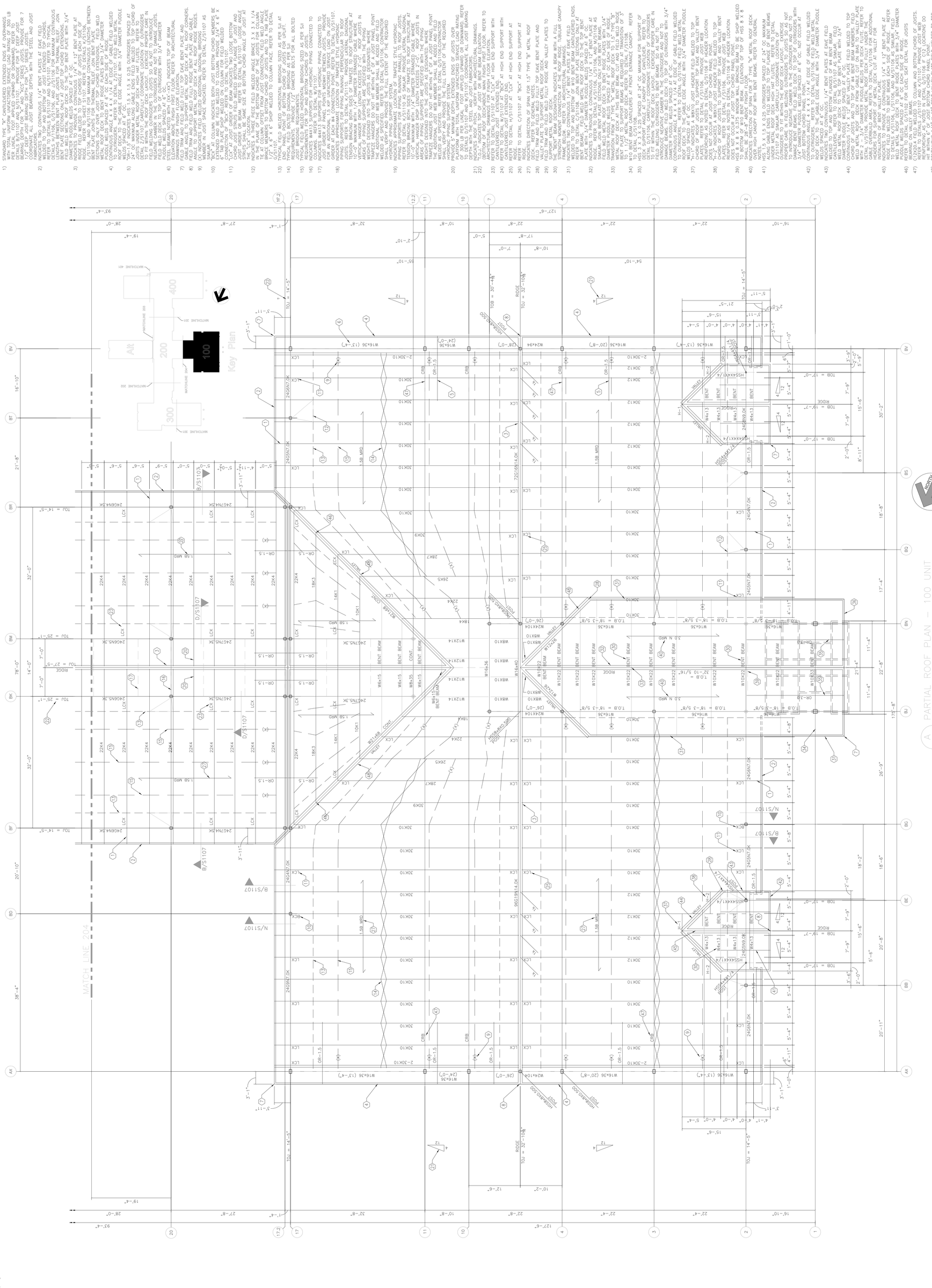
45) INDICATES TO PROVIDE A CONTINUOUS 1/4" X 12" BENT PLATE AT EAVE FIELD WELDED TO TOP AND BOTTOM OF BENT BEAMS AS SIMILAR. REFER TO DETAILS K/S1106, L/S1106, AND M/S1106 AS SIMILAR. FIELD WELD METAL ROOF DECK TO BENT RIDGE PLATES WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC. REFER TO DETAIL 2/S1106 AS SIMILAR. REFER TO DETAIL G/S1102 FOR LEVEL SEAT DETAIL FOR JOISTS

46) STANDARD 4 X 4 X 1/4 BENT PLATES AT EAVE FIELD WELDED TO TOP AND BOTTOM OF JOISTS. C12X20.4 FIELD WELDED TO COLUMN AND BOTTOM CHORD OF JOISTS. REFER TO DETAIL 1/S1106 AS SIMILAR. REFER TO DETAIL 4/S1106 FOR REINFORCING AS NOTED IN DETAIL 4/S1106 IF PDCS LOCATIONS DO HIT WITHIN 6" OF JOIST BOTTOM CHORD PANEL POINT.

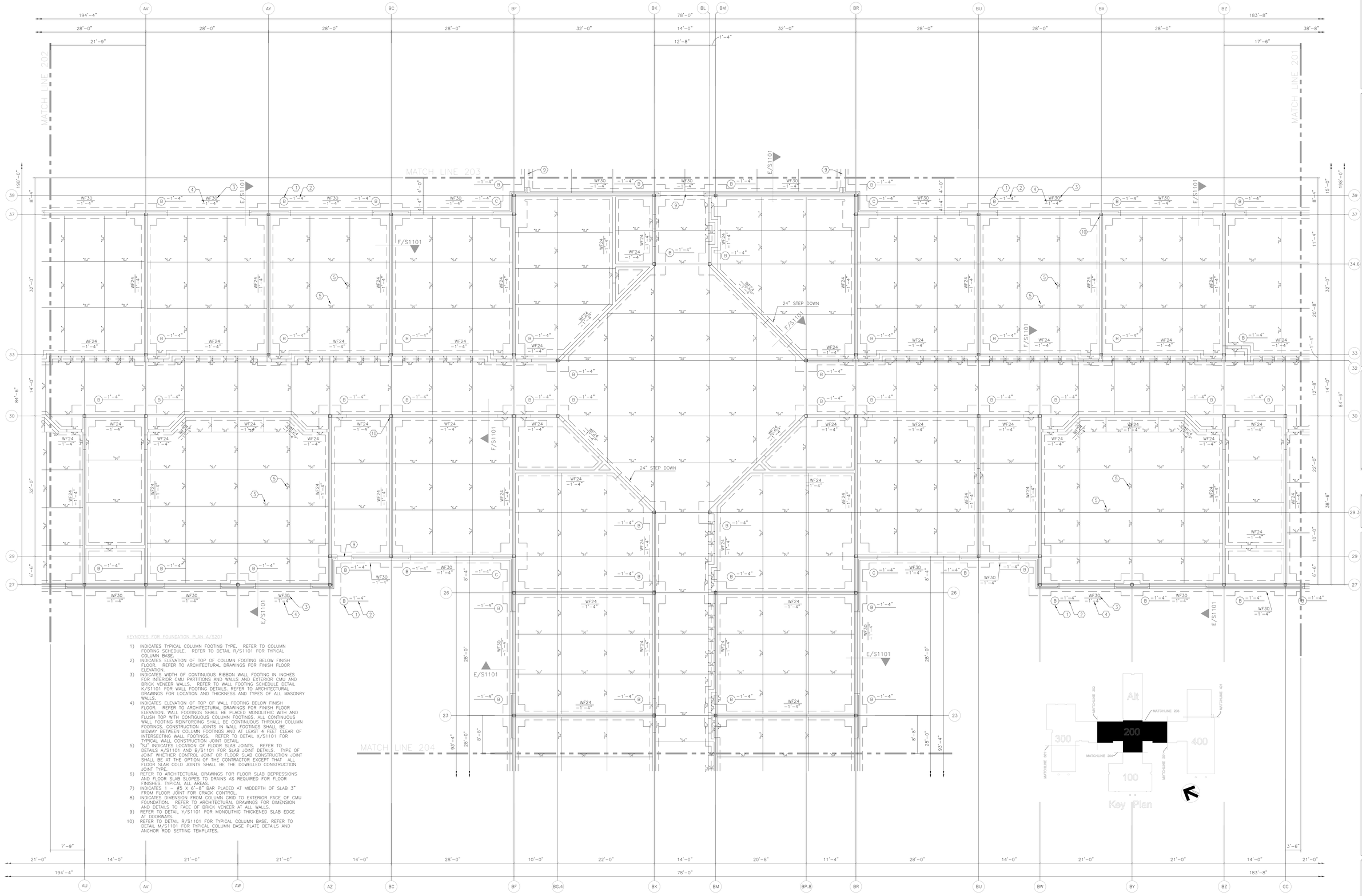
47) STANDARD 4 X 4 X 1/4 BENT PLATES AT EAVE FIELD WELDED TO TOP AND BOTTOM OF JOISTS. C12X20.4 FIELD WELDED TO TOP CHORD OF JOISTS. REFER TO DETAIL 4/S1106 IF PDCS LOCATIONS DO HIT WITHIN 6" OF JOIST BOTTOM CHORD PANEL POINT. REINFORCING AS NOTED IN DETAIL 4/S1106 FIELD WELD METAL ROOF DECK TO BENT RIDGE PLATES WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC. REFER TO DETAIL B/S1106. ARCHITECTURAL DRAWINGS FOR DETAILS OF CURVED CANOPY FRAMING SYSTEM BELOW.

48) STANDARD TYPE "S" BENT PLATES AT EAVE FIELD WELDED TO TOP AND BOTTOM OF JOIST EXTENDED TOP CHORDS. REFER TO DETAILS B/S1107 AND N/S1107. REFER TO TYPICAL CONTINUOUS BENT PLATE JOINTS FOR THERMAL RELIEF JOIN LENGTHS BETWEEN BENT PLATE JOINTS FOR THERMAL RELIEF JOIN REFER TO DETAIL 5/S1107 FOR CONTINUOUS BENT PLATE JOINTS FIELD WELD METAL ROOF DECK TO THE TOP BENT PLATE WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.

49) STANDARD 4 X 4 X 1/4 BENT PLATES AT EAVE FIELD WELDED TO TOP AND BOTTOM OF JOISTS. C12X20.4 FIELD WELDED TO TOP CHORD OF JOISTS. REFER TO DETAIL 4/S1106 IF PDCS LOCATIONS DO HIT WITHIN 6" OF JOIST BOTTOM CHORD PANEL POINT. REINFORCING AS NOTED IN DETAIL 4/S1106 FIELD WELD METAL ROOF DECK TO BENT RIDGE PLATES WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC. REFER TO DETAIL B/S1106. ARCHITECTURAL DRAWINGS FOR DETAILS OF CURVED CANOPY FRAMING SYSTEM BELOW.


Key Plan
MATCHLINE 201
MATCHLINE 202
MATCHLINE 203
MATCH LINE 204
100
200
300
400
NORTH
TOJ = 14'-5"
RIDGE
TOB = 30'-4⅝"
TOJ = 32'-10⅝"
TOB = 17'-0"
TOB = 19'-7"
W16x36
W24x104
W24x94
W12x14
W8x10
W8x15
W8x35
W6x15
W10x22
W4x13
22K4
26K5
28K7
30K9
30K10
30K12
14K1
10K1
18K3
2-30K10
1.5B MRD
1.5B VBD
1.0B
OR-1.5
CRB
LCX
BCX
BENT BEAM
CONT. BEAM
RIDGE
VALLEY
POST
HSS8.625X0.500
HSS4X4X1/4
HSS5X5X1/4
PL1/2X4
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KEYNOTES FOR FOUNDATION PLAN A/S201

1) INDICATES TYPICAL COLUMN FOOTING TYPE. REFER TO COLUMN FOOTING SCHEDULE. REFER TO DETAIL R/S1101 FOR TYPICAL COLUMN BASE.
2) INDICATES ELEVATION OF TOP OF COLUMN FOOTING BELOW FINISH FLOOR. REFER TO ARCHITECTURAL DRAWINGS FOR FINISH FLOOR ELEVATION.
3) INDICATES WIDTH OF CONTINUOUS RIBBON WALL FOOTING IN INCHES FOR INTERIOR CMU PARTITIONS AND WALLS AND EXTERIOR CMU AND BRICK VENEER WALLS. REFER TO WALL FOOTING SCHEDULE DETAIL K/S1101 FOR WALL FOOTING DETAILS. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION AND THICKNESS AND TYPES OF ALL MASONRY WALLS.
4) INDICATES ELEVATION OF TOP OF WALL FOOTING BELOW FINISH FLOOR. REFER TO ARCHITECTURAL DRAWINGS FOR FINISH FLOOR ELEVATION. WALL FOOTINGS SHALL BE PLACED MONOLITHIC WITH AND FLUSH TOP WITH CONTIGUOUS COLUMN FOOTINGS. ALL CONTINUOUS WALL FOOTING REINFORCING SHALL BE CONTINUOUS THROUGH COLUMN FOOTINGS. CONSTRUCTION JOINTS IN WALL FOOTINGS SHALL BE MIDWAY BETWEEN COLUMN FOOTINGS AND AT LEAST 4 FEET CLEAR OF INTERSECTING WALL FOOTINGS. REFER TO DETAIL X/S1101 FOR TYPICAL WALL CONSTRUCTION JOINT DETAIL.
5) "SJ" INDICATES LOCATION OF FLOOR SLAB JOINTS. REFER TO DETAILS A/S1101 AND B/S1101 FOR SLAB JOINT DETAILS. TYPE OF JOINT WHETHER CONTROL JOINT OR FLOOR SLAB CONSTRUCTION JOINT SHALL BE AT THE OPTION OF THE CONTRACTOR EXCEPT THAT ALL FLOOR SLAB COLD JOINTS SHALL BE THE DOWELLED CONSTRUCTION JOINT TYPE.
6) REFER TO ARCHITECTURAL DRAWINGS FOR FLOOR SLAB DEPRESSIONS AND FLOOR SLAB SLOPES TO DRAINS AS REQUIRED FOR FLOOR FINISHES, TYPICAL ALL AREAS.
7) INDICATES 1 – #5 X 6'-8" BAR PLACED AT MIDDEPTH OF SLAB 3" FROM FLOOR JOINT FOR CRACK CONTROL.
8) INDICATES DIMENSION FROM COLUMN GRID TO EXTERIOR FACE OF CMU FOUNDATION. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSION AND DETAILS TO FACE OF BRICK VENEER AT ALL WALLS.
9) REFER TO DETAIL Y/S1101 FOR MONOLITHIC THICKENED SLAB EDGE AT DOORWAYS.
10) REFER TO DETAIL R/S1101 FOR TYPICAL COLUMN BASE. REFER TO DETAIL M/S1101 FOR TYPICAL COLUMN BASE PLATE DETAILS AND ANCHOR ROD SETTING TEMPLATES.

A S201 PARTIAL FOUNDATION PLAN – 200 UNIT
1/8" = 1'-0"

NORTH

No.	Date	Revision

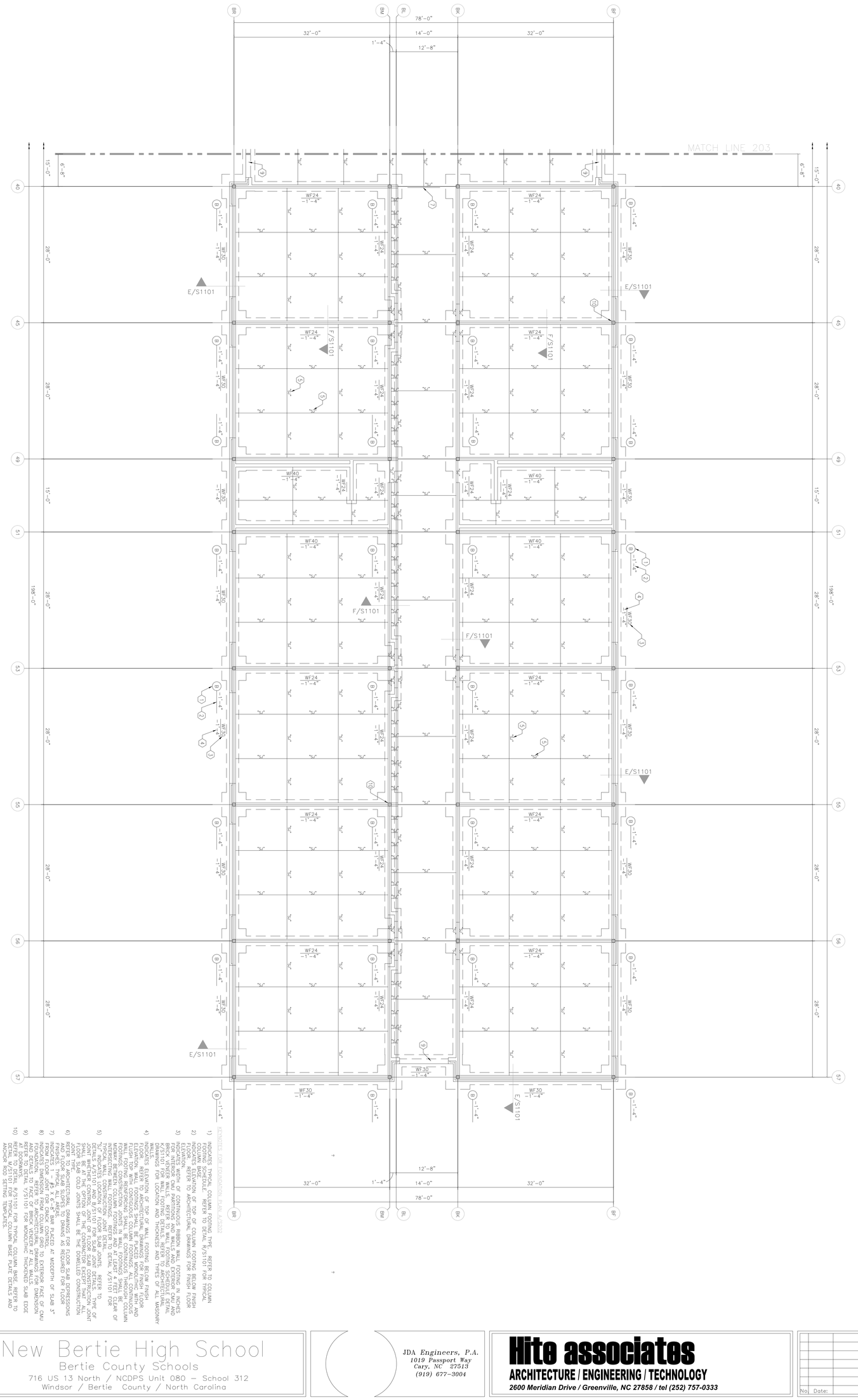
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New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 – School 312
Windsor / Bertie County / North Carolina

Project No. 21131
Date: 28 March 2012
Drawing no. S 201

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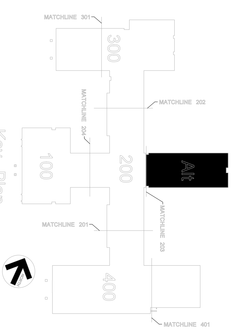
FOUNDATION PLAN — 200 UNIT

1/8"=1'-0"

NORTH

KEYNOTES FOR FOUNDATION PLAN A3202

1) INDICATES TYPICAL COLUMN. REFER TO COLUMN FOOTING SCHEDULE. REFER TO DETAIL R/S1101 FOR TYPICAL COLUMN BASE.
2) ELEVATION OF TOP OF COLUMN FOOTING BELOW FINISH FLOOR. REFER TO ARCHITECTURAL DRAWINGS FOR FINISH FLOOR ELEVATIONS.
3) INDICATES WIDTH OF CONTINUOUS RIBBON WALL FOOTING IN INCHES FOR INTERIOR CMU PARTITIONS AND WALLS AND EXTERIOR CMU AND BRICK VENEER WALLS. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION AND THICKNESS AND TYPES OF ALL MASONRY WALLS.
4) INDICATES ELEVATION OF ARCHITECTURAL SLAB ON FILL FOR FLOORS. REFER TO ARCHITECTURAL DRAWINGS FOR FINISH FLOOR ELEVATION. WALL FOOTINGS SHALL BE PLACED MONOLITHIC WITH AND INTEGRAL TO WALL FOOTINGS. CONTINUOUS WALL FOOTING REINFORCING SHALL BE CONTINUOUS THROUGH COLUMN MIDWAY BETWEEN COLUMN FOOTINGS AND AT LEAST 4" FREE CLEAR OF INTERSECTING WALL FOOTINGS. REFER TO DETAIL X/S1101 FOR FOOTING REINFORCEMENT.
5) "SJ" INDICATES LOCATION OF FLOOR SLAB JOINTS. REFER TO DETAIL X/S1101 FOR TYPICAL SLAB JOINT. JOINT OR FLOOR SLAB CONSTRUCTION JOINT WHETHER CONTROL JOINT OR FLOOR SLAB CONSTRUCTION JOINT SHALL BE AT THE OPTION OF THE CONTRACTOR EXCEPT THAT ALL FLOOR SLAB CONSTRUCTION JOINTS SHALL BE THE DOWELLED CONSTRUCTION JOINT TYPE.
6) INDICATES FLOOR SLAB SLOPES TO DRAINS AS REQUIRED FOR FLOOR FINISHES. TYPICAL ALL AREAS SHALL SLOPE FROM FLOOR JOINT FOR CRACK CONTROL.
7) INDICATES LOCATION OF EXTERIOR FACE OF CMU FOUNDATION. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSION FROM FACE OF CMU FOUNDATION TO EXTERIOR FACE OF BRICK VENEER AT FULL WALL SLAB EDGE.
8) REFER TO DETAIL F/S1101 FOR TYPICAL SLAB EDGE AT DOORWAYS.
9) REFER TO DETAIL R/S1101 FOR TYPICAL COLUMN BASE PLATE DETAIL AND ANCHOR ROD SETTING TEMPLATES.
10) REFER TO DETAIL M/S1101 FOR TYPICAL MECHANICAL EQUIPMENT PAD.



Sheet No.	S202
Project No.	21131
Date	28 March 2012
Drawing no.	

New Bertie High School

Bertie County Schools

716 US 13 North / NCDPS Unit 080 – School 312

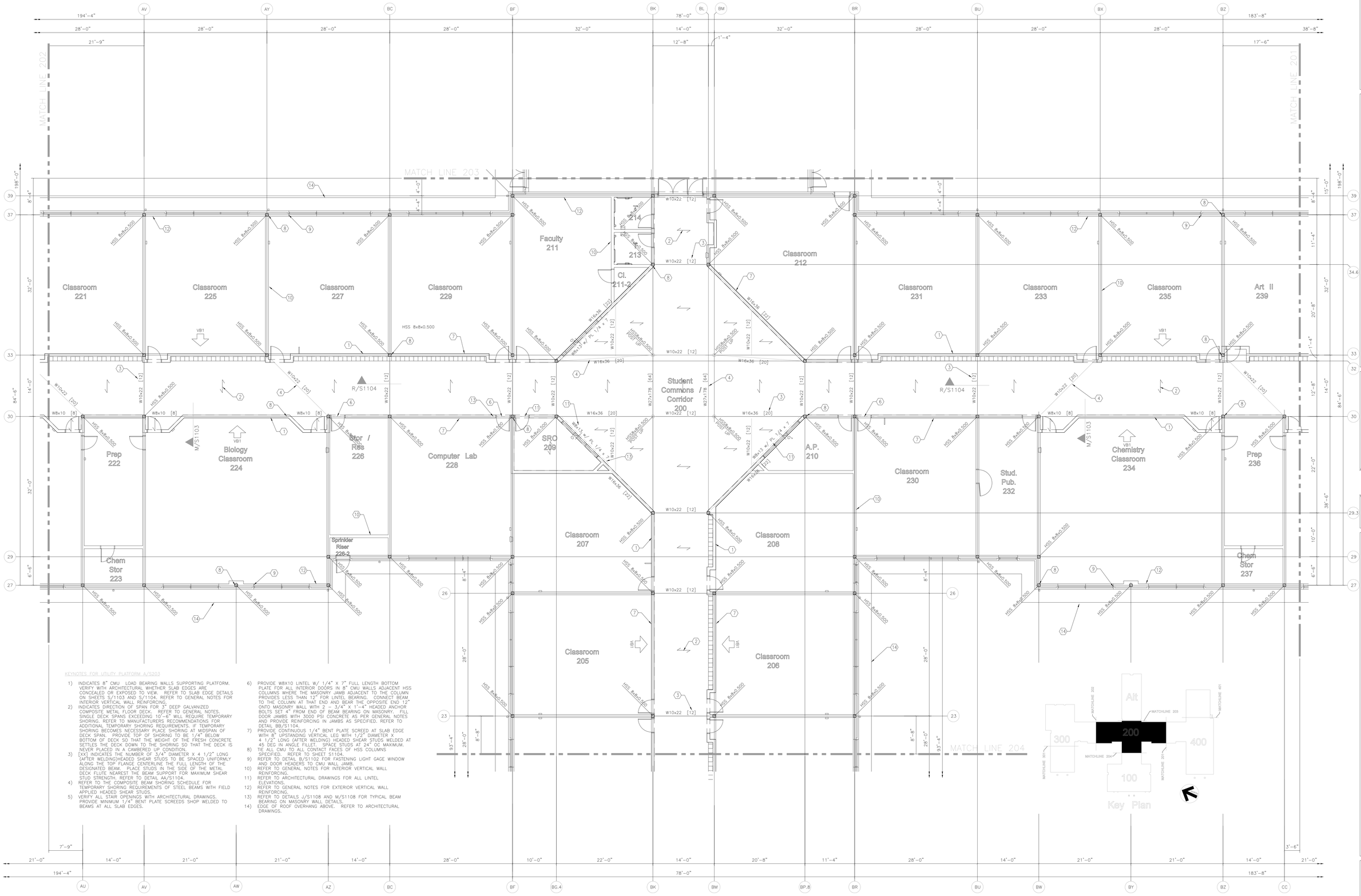
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No.	Date:	Revision

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KEYNOTES FOR UTILITY PLATFORM A/S203

1) INDICATES 8" CMU LOAD BEARING WALLS SUPPORTING PLATFORM. VERIFY WITH ARCHITECTURAL WHETHER SLAB EDGES ARE CONCEALED OR EXPOSED TO VIEW. REFER TO SLAB EDGE DETAILS ON SHEETS S/1103 AND S/1104. REFER TO GENERAL NOTES FOR INTERIOR VERTICAL WALL REINFORCING.
2) INDICATES DIRECTION OF SPAN FOR 3" DEEP GALVANIZED COMPOSITE METAL FLOOR DECK. REFER TO GENERAL NOTES. SINGLE DECK SPANS EXCEEDING 10'-6" WILL REQUIRE TEMPORARY SHORING. REFER TO MANUFACTURERS RECOMMENDATIONS FOR ADDITIONAL TEMPORARY SHORING REQUIREMENTS. IF TEMPORARY SHORING BECOMES NECESSARY PLACE SHORING AT MIDSPAN OF DECK SPAN. PROVIDE TOP OF SHORING TO BE 1/4" BELOW BOTTOM OF DECK SO THAT THE WEIGHT OF THE FRESH CONCRETE SETTLES THE DECK DOWN TO THE SHORING SO THAT THE DECK IS NEVER PLACED IN A CAMBERED UP CONDITION.
3) [XX] INDICATES THE NUMBER OF 3/4" DIAMETER X 4 1/2" LONG (AFTER WELDING)HEADED SHEAR STUDS TO BE SPACED UNIFORMLY ALONG THE TOP FLANGE CENTERLINE THE FULL LENGTH OF THE DESIGNATED BEAM. PLACE STUDS IN THE SIDE OF THE METAL DECK FLUTE NEAREST THE BEAM SUPPORT FOR MAXIMUM SHEAR STUD STRENGTH. REFER TO DETAIL AA/S1104.
4) REFER TO THE COMPOSITE BEAM SHORING SCHEDULE FOR TEMPORARY SHORING REQUIREMENTS OF STEEL BEAMS WITH FIELD APPLIED HEADED SHEAR STUDS.
5) VERIFY ALL STAIR OPENINGS WITH ARCHITECTURAL DRAWINGS. PROVIDE MINIMUM 1/4" BENT PLATE SCREEDS SHOP WELDED TO BEAMS AT ALL SLAB EDGES.
6) PROVIDE W8X10 LINTEL W/ 1/4" X 7" FULL LENGTH BOTTOM PLATE FOR ALL INTERIOR DOORS IN 8" CMU WALLS ADJACENT HSS COLUMNS WHERE THE MASONRY JAMB ADJACENT TO THE COLUMN PROVIDES LESS THAN 12" FOR LINTEL BEARING. CONNECT BEAM TO THE COLUMN AT THAT END AND BEAR THE OPPOSITE END 12" ONTO MASONRY WALL WITH 2 - 3/4" X 1'-4" HEADED ANCHOR BOLTS SET 4" FROM END OF BEAM BEARING ON MASONRY. FILL DOOR JAMBS WITH 3000 PSI CONCRETE AS PER GENERAL NOTES AND PROVIDE REINFORCING IN JAMBS AS SPECIFIED. REFER TO DETAIL BB/S1104.
7) PROVIDE CONTINUOUS 1/4" BENT PLATE SCREED AT SLAB EDGE WITH 8" UPSTANDING VERTICAL LEG WITH 1/2" DIAMETER X 4 1/2" LONG (AFTER WELDING) HEADED SHEAR STUDS WELDED AT 45 DEG IN ANGLE FILLET. SPACE STUDS AT 24" OC MAXIMUM.
8) TIE ALL CMU TO ALL CONTACT FACES OF HSS COLUMNS SPECIFIED. REFER TO SHEET S1104.
9) REFER TO DETAIL B/S1102 FOR FASTENING LIGHT GAGE WINDOW AND DOOR HEADERS TO CMU WALL JAMB.
10) REFER TO GENERAL NOTES FOR INTERIOR VERTICAL WALL REINFORCING.
11) REFER TO ARCHITECTURAL DRAWINGS FOR ALL LINTEL ELEVATIONS.
12) REFER TO GENERAL NOTES FOR EXTERIOR VERTICAL WALL REINFORCING.
13) REFER TO DETAILS J/S1108 AND M/S1108 FOR TYPICAL BEAM BEARING ON MASONRY WALL DETAILS.
14) EDGE OF ROOF OVERHANG ABOVE. REFER TO ARCHITECTURAL DRAWINGS.

ELEVATION OF TOP OF PLATFORM SLAB = 13'-10" A.F.F.
ELEVATION OF TOP OF STEEL AT PLATFORM = 13'-4" A.F.F.

A S203 PARTIAL PLATFORM FRAMING PLAN - 200 UNIT

1/8" = 1'-0"

NORTH

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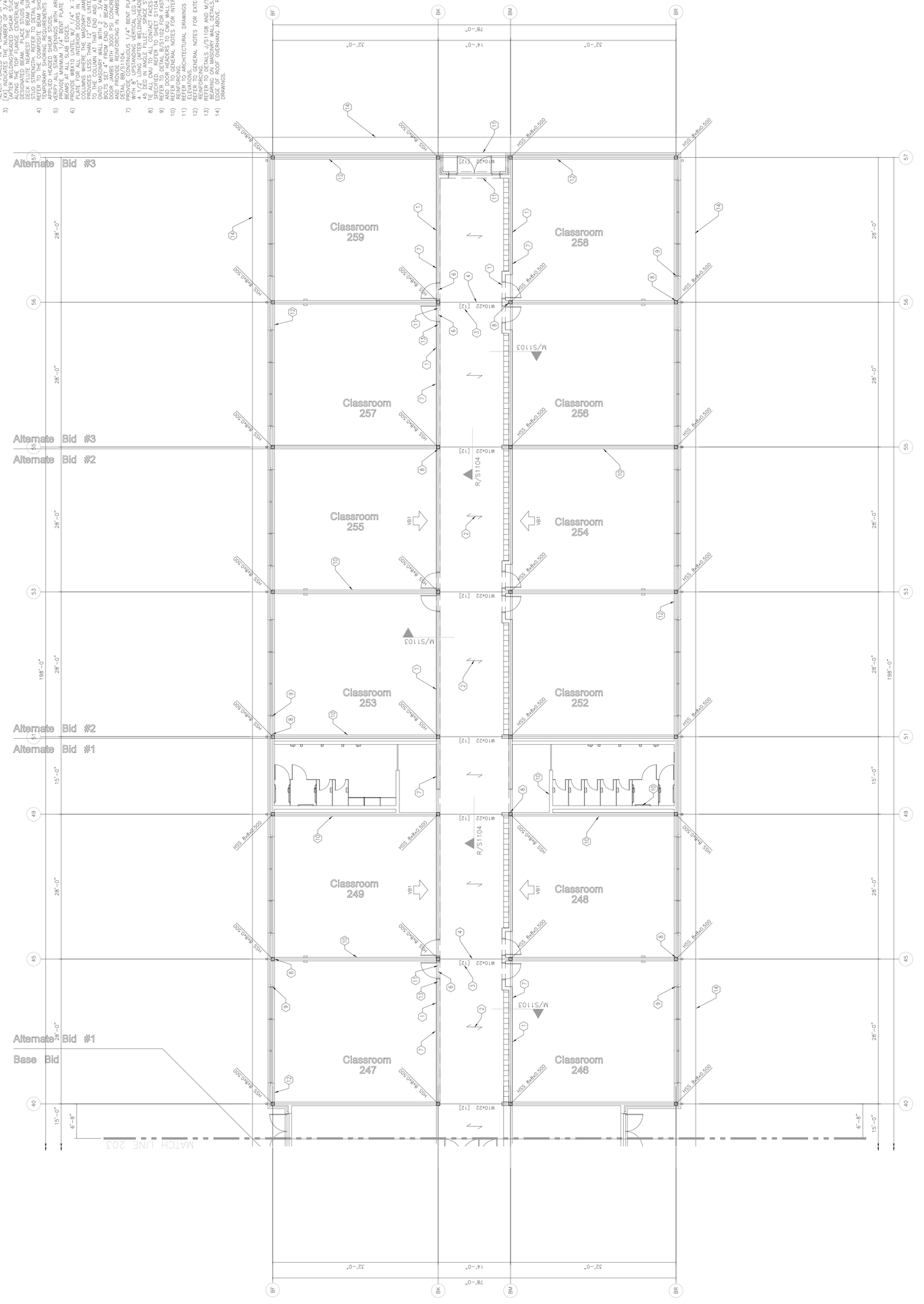
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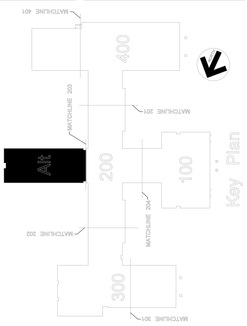
New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

Project No: 21131
Date: 28 March 2012
Drawing no. S 203

KEYNOTES (FOR LEVEL PLATFORM ALSO)

1) INDICATES 8" CMU LOAD BEARING WALLS SUPPORTING PLATFORM. VERIFY WITH ARCHITECTURAL WHETHER SLAB EDGES ARE CONCEALED OR EXPOSED TO VIEW. REFER TO SLAB EDGE DETAILS S/S501 AND S/S502 AND TO GENERAL NOTES FOR INTERIOR VERTICAL WALL REINFORCING.
2) INDICATES 3" DEEP, 18 GAUGE MINIMUM, 1.5 LB DEEP GALVANIZED COMPOSITE METAL FLOOR DECK. REFER TO GENERAL NOTES AND TO SPECIFICATIONS FOR DECK INSTALLATION, TEMPORARY SHORING, REFER TO MANUFACTURERS RECOMMENDATIONS FOR ADDITIONAL TEMPORARY SHORING REQUIREMENTS. IF TEMPORARY SHORING IS REQUIRED, REMOVE ONLY AFTER PLACEMENT OF DECK SPAN. PROVIDE TOP OF SHORING TO BE 1/4" BELOW BOTTOM OF DECK SO THAT WHEN CONCRETE IS PLACED AND SETTLES THE DECK DOWN TO THE SHORING SO THAT THE DECK IS NEVER PLACED IN A CAMBERED UP CONDITION.
3) INDICATES 3/4" DIAMETER HEADED SHEAR STUDS X 4 1/2" LONG, (AFTER WELDING)HEADED SHEAR STUDS TO BE SPACED UNIFORMLY ACROSS THE FLANGE WIDTH AT THE FULL LENGTH OF THE DESIGNATED BEAM. PLACE STUDS IN THE SIDE OF THE METAL DECK FLUTE NEAREST THE BEAM SUPPORT FOR MAXIMUM SHEAR STUD EFFECTIVENESS. REFER TO DETAIL 4/S104.
4) REFER TO THE COMPOSITE BEAM SHORING SCHEDULE FOR ADDITIONAL SHORING REQUIREMENTS OF STEEL BEAMS WITH FIELD APPLIED HEADED SHEAR STUDS.
5) PROVIDE ALL STAIR OPENINGS WITH ARCHITECTURAL DRAWINGS.
6) PROVIDE WIDE FLANGE BEAM PENETRATIONS AS DETAILED TO BEAMS AT ALL SLAB EDGES.
7) INDICATES HSS 8x8x0.500 OR HSS 8x4x0.500 WITH 1/4" X 7" FULL LENGTH BOTTOM PLATE FOR ALL INTERIOR DOORS IN 8" CMU WALLS ADJACENT HSS POSTS. WELD TOP PLATE TO THE FLUTE OF THE METAL DECK AND PROVIDE WELDS THAT WILL DEVELOP THE FULL STRENGTH OF THE HSS. REFER TO DETAIL 1/S104 FOR TYPICAL CONNECTION TO THE COLUMN AT THAT END AND BEAR THE OPPOSITE END 12" ON MASONRY. REFER TO DETAIL 2/S104 FOR TYPICAL CONNECTION BOLTS SET 4" FROM END OF BEAM BEARING ON MASONRY. FILL THE HSS POST WITH CONCRETE FROM THE BOTTOM TO THE TOP AND PROVIDE REINFORCING IN JAMBS AS SPECIFIED. REFER TO DETAIL 4B/S1104.
8) INDICATES HSS 6x6x0.375 WITH 1/4" BENT PLATE SCREED AT SLAB EDGE WITH 8" UPSTANDING VERTICAL LEG WITH 1/2" DIAMETER X 4" LONG HEADED SHEAR STUDS AT 24" OC MAXIMUM WELDED AT 45 DEG IN ANGLE FILLET. SPACE STUDS AT 24" OC MAXIMUM. TIE ALL CMU TO ALL CONTACT FACES OF HSS COLUMNS
9) INDICATES HSS 6x6x0.500
10) REFER TO DETAIL B/S1102 FOR FASTENING LIGHT GAGE WINDOW JAMB AND SILL ANGLES TO HSS COLUMNS.
11) REFER TO GENERAL NOTES FOR INTERIOR VERTICAL WALL REINFORCING.
12) REFER TO ARCHITECTURAL DRAWINGS FOR ALL LINTEL ELEVATIONS.
13) REFER TO GENERAL NOTES FOR EXTERIOR VERTICAL WALL REINFORCING.
14) INDICATES HSS 4x4x0.250 WITH PL4x1/4 AT TOP OF MASONRY WALL. REFER TO DETAIL 4/S1108 FOR TYPICAL BEARING ON MASONRY WALL.
15) EDGE OF ROOF OVERHANG ABOVE. REFER TO ARCHITECTURAL DRAWINGS.





NORTH

ELEVATION OF TOP OF PLATFORM SLAB = 13'-10" A.F.F.
ELEVATION OF TOP OF STEEL AT PLATFORM = 13'-4" A.F.F.

A S204
PLATFORM FRAMING PLAN — 300 UNIT
1/8" = 1'-0"

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Project No: 21131
Date: 28 March 2012
Drawing No: S 204

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18) INDICATES APPROXIMATE LOCATION OF TRAPEZE STYLE HYDRONIC PIPING SUPPORTS FOR PIPING RUNNING PERPENDICULAR TO ROOF JOISTS. REFER TO DETAIL K/S1110. PROVIDE LATERAL DIAGONAL TENSION BRACING BOTH SIDES OF TRAPEZE TO ROOF STRUCTURE AT 10'-0" MAXIMUM WITH 1/4" DIAMETER STRANDED CABLE WHERE VERTICAL HANGER DROP LENGTH EXCEEDS 2'-0". ROOF JOISTS IN AREAS OF PIPING SUPPORTS ARE SPECIFIED WITH THE PIPING WEIGHTS DESIGNED INTO THE JOISTS AS DESIGNATED. WHERE TRAPEZE HANGERS DO NOT HIT WITHIN 6" OF A JOIST PANEL POINT THE ADDITIONAL JOIST WEB MEMBER SHALL BE ADDED AND FIELD WELDED AS SPECIFIED. REFER TO DETAIL Q/S1106. CONTRACTOR SHALL VERIFY AND PROVIDE THE FULL EXTENT OF THE REQUIRED HYDRONIC PIPING SUPPORT SYSTEM.

19) INDICATES APPROXIMATE LOCATION OF TRAPEZE STYLE HYDRONIC PIPING SUPPORTS FOR PIPING RUNNING PARALLEL TO ROOF JOISTS. REFER TO DETAIL K/S1110 AS SIMILAR. PROVIDE LATERAL DIAGONAL TENSION BRACING BOTH SIDES OF TRAPEZE TO ROOF STRUCTURE AT 10'-0" MAXIMUM WITH 1/4" DIAMETER STRANDED CABLE WHERE VERTICAL HANGER DROP LENGTH EXCEEDS 2'-0". ROOF JOISTS IN AREAS OF PIPING SUPPORTS ARE SPECIFIED WITH THE PIPING WEIGHTS DESIGNED INTO THE JOISTS AS DESIGNATED. WHERE TRAPEZE HANGERS DO NOT HIT WITHIN 6" OF A JOIST PANEL POINT THE ADDITIONAL JOIST WEB MEMBER SHALL BE ADDED AND FIELD WELDED AS SPECIFIED. REFER TO DETAIL Q/S1106.CONTRACTOR SHALL VERIFY AND PROVIDE THE FULL EXTENT OF THE REQUIRED HYDRONIC PIPING SUPPORT SYSTEM.

20) PROVIDE 5" MINIMUM DEPTH EXTENDED ENDS OF JOISTS OVER PLATFORM WITH TOTAL UNIFORM UNFACTORED SERVICE LOAD RATING OF 300 LB PER LINEAL FOOT APPLIED UPWARD OR DOWNWARD. REFER TO DETAILS D/S1107 AND W/S1107. COORDINATE ALL JOIST BEARING DEPTH WITH THE STEEL AND JOIST FABRICATORS.
21) INDICATES ROOF PITCH. VERIFY WITH ARCHITECTURAL DRAWINGS.
22) "T.O.J." INDICATES TOP OF JOIST OR BENT BEAM ELEVATION (BOTTOM OF ROOF DECK)ABOVE MAIN FINISH FIRST FLOOR. REFER TO ARCHITECTURAL DRAWINGS FOR FINISH FLOOR ELEVATION.
23) REFER TO DETAIL D/S1107 AT "LCX" AT HIGH END SUPPORT WITH CANTILEVERED JOIST EXTENDED END.
24) REFER TO DETAIL W/S1107 AT "BCX" AT HIGH END SUPPORT WITH CANTILEVERED JOIST EXTENDED END.
25) REFER TO DETAIL H/S1107 AT "LCX" AT HIGH END SUPPORT AT RIDGE.
26) REFER TO DETAIL C/S1107 AT "BCX" AT HIGH END SUPPORT AT RIDGE.
27) INDICATES DIRECTION OF SPAN FOR 1.5" TYPE "B" METAL ROOF DECK. REFER TO GENERAL NOTES.

KEYNOTES FOR ROOF FRAMING – SHEET S205

1) STANDARD TYPE "R" CANTILEVERED EXTENDED ENDS AT OVERHANGS WITH TOTAL UNIFORM UNFACTORED SERVICE LOAD RATING OF 300 LB PER LINEAL FOOT APPLIED UPWARD OR DOWNWARD. REFER TO DETAILS B/S1107 AND N/S1107. PROVIDE FOR 5" DEEP JOIST BEARING DEPTH FOR "K" AND "KCS" SERIES JOISTS. PROVIDE FOR 7 1/2" DEEP JOIST BEARING DEPTH FOR "LH" SERIES JOISTS. COORDINATE ALL JOIST BEARING DEPTHS WITH THE STEEL AND JOIST FABRICATORS.
2) INDICATES TWO CONTINUOUS 1/4" BENT PLATES AT EAVE FIELD WELDED TO TOP AND BOTTOM OF JOIST EXTENDED TOP CHORDS. REFER TO DETAILS B/S1107 AND N/S1107. REFER TO TYPICAL DETAILS H/1106, G/S1106, AND J/S1106 FOR MAXIMUM CONTINUOUS LENGTHS BETWEEN BENT PLATE JOINTS FOR THERMAL RELIEF. JOIN BENT PLATE SECTIONS ONLY AT JOIST TOP CHORD EXTENSIONS. FIELD WELD METAL ROOF DECK TO THE TOP BENT PLATE WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.
3) INDICATES TO PROVIDE A CONTINUOUS 1/4" X 12" BENT PLATE AT RIDGE FIELD WELDED TO TOP CHORDS OF JOISTS EACH SIDE OF RIDGE. REFER TO SHEET S1107. REFER TO DETAILS K/S1106, L/S1106, AND M/S1106 FOR MAXIMUM CONTINUOUS LENGTHS BETWEEN BENT PLATE JOINTS FOR THERMAL RELIEF. JOIN BENT PLATE SECTIONS ONLY OVER JOIST TOP CHORD EXTENSIONS. FIELD WELD METAL ROOF DECK TO BENT RIDGE PLATES WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC EACH SIDE OF RIDGE.
4) CONTINUOUS ANGLE 4 X 4 X 1/4 AT EDGE OF GABLE FIELD WELDED TO OUTRIGGERS. REFER TO DETAIL Z/S1107. FIELD WELD METAL ROOF DECK TO THE GABLE EDGE ANGLE WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.
5) "OR–1.5" INDICATES HSS 1.5 X 1.5 X 0.25 OUTRIGGERS SPACED AT 24" OC MAXIMUM ALONG GABLE ENDS FIELD WELDED TO TOP CHORD OF JOISTS UNDER METAL ROOF DECK HIGH HAT FLUTES. REFER TO DETAIL Z/S1107. CAREFULLY COORDINATE LOCATION OF OUTRIGGERS TO FIT WITHIN THE ROOF DECK LAYOUT. EXERCISE PROPER CARE IN FIELD WELDING OUTRIGGERS TO JOISTS SO AS NOT TO INTRODUCE NEGATIVE CAMBER IN THE OUTRIGGERS AND NOT TO DAMAGE JOISTS. FIELD WELD DECK TO TOP OF OUTRIGGERS WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.
6) STEEL BEAMS NOTED WITH (XX'–XX") INDICATES TOP OF BEAM ELEVATION ABOVE FINISH FIRST FLOOR. REFER TO ARCHITECTURAL DRAWINGS FOR FINISH FLOOR ELEVATION.
7) FIELD TRIM AND FIELD WELD FULLY TOP EAVE BENT PLATE AND GABLE ANGLE TO SUPPORT METAL ROOF DECK AT ALL ROOF CORNERS.
8) FIELD TRIM AND FIELD WELD FULLY RIDGE BENT PLATE AND GABLE ANGLE TO SUPPORT METAL ROOF DECK AT ALL ROOF RIDGE RIDGES.
9) (X) INDICATES FIELD WELDED ADDITIONAL DIAGONAL BRIDGING MEMBER IN JOIST SPACE INDICATED. REFER TO DETAIL Z/S1107 AS SIMILAR.
10) "BCX" AT COLUMN INDICATES BOTH JOIST BOTTOM CHORD MEMBERS BE EXTENDED AND BE FIELD WELDED TO COLUMN. PROVIDE 3/4" X 6" X 6" TAB PLATE SHOP WELDED ON COLUMN FOR FIELD WELDED CONNECTION OF "BCX". REFER TO DETAIL N/S1107.
11) "LCX" AT JOIST GIRDER OF BEAM INDICATES TWO LOOSE BOTTOM CHORD JOIST STRUTS FIELD WELDED BOTTOM FLANGE OF JOIST AND JOIST GIRDER OR BEAM. REFER TO DETAIL B/S1107. LOOSE ANGLE STRUTS SHALL BE SAME SIZE AS BOTTOM CHORD ANGLE OF JOIST AT THE "LCX" LOCATION.
12) INDICATES A THREE PIECE FIELD WELDED ANGLE BRACE 3 X 3 X 1/4 IN THE PLANE OF THE BOTTOM CHORD OF THE JOISTS FOR COLUMN TIE AT COLUMN OFFSET FROM JOIST CONNECTION. FIELD WELD ANGLE BRACE MEMBERS TO BOTTOM CHORD OF JOISTS AND TO A TAB PLATE 1/2" X 6" X 6" SHOP WELDED TO COLUMN FACE. REFER TO DETAIL G/S1107.
13) TYPICAL FIELD WELDED HORIZONTAL BRIDGING SIZED AS PER SJI AT END PANEL POINT OF BOTTOM CHORD OF JOISTS FOR UPLIFT.
14) TYPICAL FIELD BOLTED DIAGONAL BRIDGING AS PER SJI REQUIREMENTS. PROVIDE 1/2" DIAMETER BOLTS FOR ALL BOLTED JOIST BRIDGING REQUIREMENTS.
15) TYPICAL FIELD WELDED HORIZONTAL BRIDGING SIZED AS PER SJI REQUIREMENTS FOR TOP AND BOTTOM CHORDS OF JOISTS.
16) INDICATES W4X13 SUPPORTS FOR HYDRONIC PIPING CONNECTED TO COLUMNS. REFER TO DETAIL W/S1107.
17) INDICATES W4X13 SUPPORTS FOR HYDRONIC PIPING CONNECTED TO JOIST GIRDER AT PANEL POINTS MIDWAY BETWEEN JOISTS. PROVIDE FOR AN ADDITIONAL 1.5 KIP UNFACTORED SERVICE LOAD ON JOIST GIRDER AT EACH W4 CONNECTION POINT. REFER TO DETAIL D/S1107.

A S205 PARTIAL ROOF PLAN – 200 UNIT
1/8" = 1'-0"

NORTH

Key Plan

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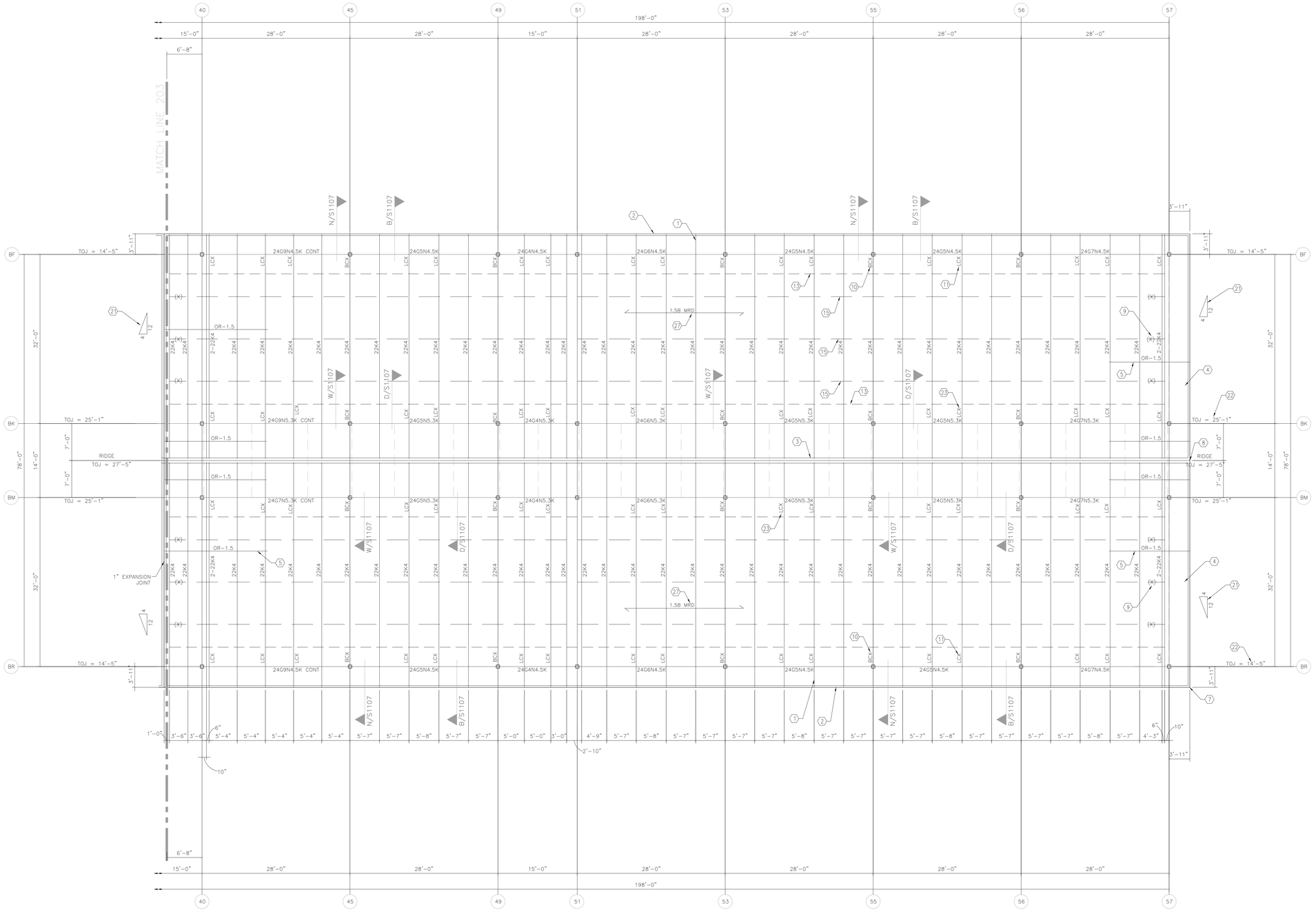
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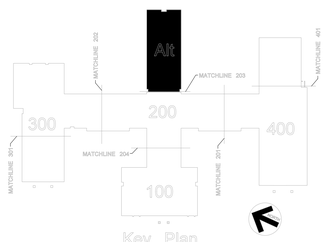
A S206 ROOF PLAN – 200 UNIT

1/8" = 1'-0"

NORTH

KEYNOTES FOR ROOF FRAMING – SHEET S206

1) STANDARD TYPE "R" CANTILEVERED EXTENDED ENDS AT OVERHANGS WITH TOTAL UNIFORM UNFACTORED SERVICE LOAD RATING OF 300 LB PER LINEAL FOOT APPLIED UPWARD OR DOWNWARD. REFER TO DETAILS B/S1107 AND N/S1107. PROVIDE FOR 5" DEEP JOIST BEARING DEPTH FOR "K" AND "KCS" SERIES JOISTS. PROVIDE FOR 7 1/2" DEEP JOIST BEARING DEPTH FOR "LH" SERIES JOISTS. COORDINATE ALL JOIST BEARING DEPTHS WITH THE STEEL AND JOIST FABRICATORS.
2) INDICATES TWO CONTINUOUS 1/4" BENT PLATES AT EAVE FIELD WELDED TO TOP AND BOTTOM OF JOIST EXTENDED TOP CHORDS. REFER TO DETAILS B/S1107 AND N/S1107. REFER TO TYPICAL DETAILS H/1106, G/S1106, AND J/S1106 FOR MAXIMUM CONTINUOUS LENGTHS BETWEEN BENT PLATE JOINTS FOR THERMAL RELIEF. JOIN BENT PLATE SECTIONS ONLY AT JOIST TOP CHORD EXTENSIONS. FIELD WELD METAL ROOF DECK TO THE TOP BENT PLATE WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.
3) INDICATES TO PROVIDE A CONTINUOUS 1/4" X 12" BENT PLATE AT RIDGE FIELD WELDED TO TOP CHORDS OF JOISTS EACH SIDE OF RIDGE. REFER TO SHEET S1107. REFER TO DETAILS K/S1106, L/S1106, AND M/S1106 FOR MAXIMUM CONTINUOUS LENGTHS BETWEEN BENT PLATE JOINTS FOR THERMAL RELIEF. JOIN BENT PLATE SECTIONS ONLY OVER JOIST TOP CHORD EXTENSIONS. FIELD WELD METAL ROOF DECK TO BENT RIDGE PLATES WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC EACH SIDE OF RIDGE.
4) CONTINUOUS ANGLE 4 X 4 X 1/4 AT EDGE OF GABLE FIELD WELDED TO OUTRIGGERS. REFER TO DETAIL Z/S1107. FIELD WELD METAL ROOF DECK TO THE GABLE EDGE ANGLE WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.
5) "OR-1.5" INDICATES HSS 1.5 X 1.5 X 0.25 OUTRIGGERS SPACED AT 24" OC MAXIMUM ALONG GABLE ENDS FIELD WELDED TO TOP CHORD OF JOISTS UNDER METAL ROOF DECK HIGH HAT FLUTES. REFER TO DETAIL Z/S1107. CAREFULLY COORDINATE LOCATION OF OUTRIGGERS TO FIT WITHIN THE ROOF DECK LAYOUT. EXERCISE PROPER CARE IN FIELD WELDING OUTRIGGERS TO JOISTS SO AS NOT TO INTRODUCE NEGATIVE CAMBER IN THE OUTRIGGERS AND NOT TO DAMAGE JOISTS. FIELD WELD DECK TO TOP OF OUTRIGGERS WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.
6) STEEL BEAMS NOTED WITH (XX'-XX") INDICATES TOP OF BEAM ELEVATION ABOVE FINISH FIRST FLOOR. REFER TO ARCHITECTURAL DRAWINGS FOR FINISH FLOOR ELEVATION.
7) FIELD TRIM AND FIELD WELD FULLY TOP EAVE BENT PLATE AND GABLE ANGLE TO SUPPORT METAL ROOF DECK AT ALL ROOF CORNERS.
8) FIELD TRIM AND FIELD WELD FULLY RIDGE BENT PLATE AND GABLE ANGLE TO SUPPORT METAL ROOF DECK AT ALL ROOF RIDGE RIDGES.
9) (X) INDICATES FIELD WELDED ADDITIONAL DIAGONAL BRIDGING MEMBER IN JOIST SPACE INDICATED. REFER TO DETAIL Z/S1107 AS SIMILAR.
10) "BCX" AT COLUMN INDICATES BOTH JOIST BOTTOM CHORD MEMBERS BE EXTENDED AND BE FIELD WELDED TO COLUMN. PROVIDE 3/4" X 6" X 6" TAB PLATE SHOP WELDED ON COLUMN FOR FIELD WELDED CONNECTION OF "BCX". REFER TO DETAIL N/S1107.
11) "LCX" AT JOIST GIRDER OF BEAM INDICATES TWO LOOSE BOTTOM CHORD JOIST STRUTS FIELD WELDED BOTTOM FLANGE OF JOIST AND JOIST GIRDER OR BEAM. REFER TO DETAIL B/S1107. LOOSE ANGLE STRUTS SHALL BE SAME SIZE AS BOTTOM CHORD ANGLE OF JOIST AT THE "LCX" LOCATION.
12) INDICATES A THREE PIECE FIELD WELDED ANGLE BRACE 3 X 3 X 1/4 IN THE PLANE OF THE BOTTOM CHORD OF THE JOISTS FOR COLUMN TIE AT COLUMN OFFSET FROM JOIST CONNECTION. FIELD WELD ANGLE BRACE MEMBERS TO BOTTOM CHORD OF JOISTS AND TO A TAB PLATE 1/2" X 6" X 6" SHOP WELDED TO COLUMN FACE. REFER TO DETAIL C/S1107.
13) TYPICAL FIELD WELDED HORIZONTAL BRIDGING SIZED AS PER SJI AT END PANEL POINT OF BOTTOM CHORD OF JOISTS FOR UPLIFT.
14) TYPICAL FIELD BOLTED DIAGONAL BRIDGING AS PER SJI REQUIREMENTS. PROVIDE 1/2" DIAMETER BOLTS FOR ALL BOLTED JOIST BRIDGING REQUIREMENTS.
15) TYPICAL FIELD WELDED HORIZONTAL BRIDGING SIZED AS PER SJI REQUIREMENTS FOR TOP AND BOTTOM CHORDS OF JOISTS.
16) INDICATES W4X13 SUPPORTS FOR HYDRONIC PIPING CONNECTED TO COLUMNS. REFER TO DETAIL W/S1107.
17) INDICATES W4X13 SUPPORTS FOR HYDRONIC PIPING CONNECTED TO JOIST GIRDER AT PANEL POINTS MIDWAY BETWEEN JOISTS. PROVIDE FOR AN ADDITIONAL 1.5 KIP UNFACTORED SERVICE LOAD ON JOIST GIRDER AT EACH W4 CONNECTION POINT. REFER TO DETAIL D/S1107.
18) INDICATES APPROXIMATE LOCATION OF TRAPEZE STYLE HYDRONIC PIPING SUPPORTS FOR PIPING RUNNING PERPENDICULAR TO ROOF JOISTS. REFER TO DETAIL K/S1110. PROVIDE LATERAL DIAGONAL TENSION BRACING BOTH SIDES OF TRAPEZE TO ROOF STRUCTURE AT 10'-0" MAXIMUM WITH 1/4" DIAMETER STRANDED CABLE WHERE VERTICAL HANGER DROP LENGTH EXCEEDS 2'-0". ROOF JOISTS IN AREAS OF PIPING SUPPORTS ARE SPECIFIED WITH THE PIPING WEIGHTS DESIGNED INTO THE JOISTS AS DESIGNATED. WHERE TRAPEZE HANGERS DO NOT HIT WITHIN 6" OF A JOIST PANEL POINT THE ADDITIONAL JOIST WEB MEMBER SHALL BE ADDED AND FIELD WELDED AS SPECIFIED. REFER TO DETAIL Q/S1106. CONTRACTOR SHALL VERIFY AND PROVIDE THE FULL EXTENT OF THE REQUIRED HYDRONIC PIPING SUPPORT SYSTEM.
19) INDICATES APPROXIMATE LOCATION OF TRAPEZE STYLE HYDRONIC PIPING SUPPORTS FOR PIPING RUNNING PARALLEL TO ROOF JOISTS. REFER TO DETAIL K/S1110 AS SIMILAR. PROVIDE LATERAL DIAGONAL TENSION BRACING BOTH SIDES OF TRAPEZE TO ROOF STRUCTURE AT 10'-0" MAXIMUM WITH 1/4" DIAMETER STRANDED CABLE WHERE VERTICAL HANGER DROP LENGTH EXCEEDS 2'-0". ROOF JOISTS IN AREAS OF PIPING SUPPORTS ARE SPECIFIED WITH THE PIPING WEIGHTS DESIGNED INTO THE JOISTS AS DESIGNATED. WHERE TRAPEZE HANGERS DO NOT HIT WITHIN 6" OF A JOIST PANEL POINT THE ADDITIONAL JOIST WEB MEMBER SHALL BE ADDED AND FIELD WELDED AS SPECIFIED. REFER TO DETAIL Q/S1106.CONTRACTOR SHALL VERIFY AND PROVIDE THE FULL EXTENT OF THE REQUIRED HYDRONIC PIPING SUPPORT SYSTEM.
20) PROVIDE 5" MINIMUM DEPTH EXTENDED ENDS OF JOISTS OVER PLATFORM WITH TOTAL UNIFORM UNFACTORED SERVICE LOAD RATING OF 300 LB PER LINEAL FOOT APPLIED UPWARD OR DOWNWARD. REFER TO DETAILS D/S1107 AND W/S1107. COORDINATE ALL JOIST BEARING DEPTH WITH THE STEEL AND JOIST FABRICATORS.
21) INDICATES ROOF PITCH. VERIFY WITH ARCHITECTURAL DRAWINGS.
22) "T.O.J." INDICATES TOP OF JOIST OR BENT BEAM ELEVATION (BOTTOM OF ROOF DECK)ABOVE MAIN FINISH FIRST FLOOR. REFER TO ARCHITECTURAL DRAWINGS FOR FINISH FLOOR ELEVATION.
23) REFER TO DETAIL D/S1107 AT "LCX" AT HIGH END SUPPORT WITH CANTILEVERED JOIST EXTENDED END.
24) REFER TO DETAIL W/S1107 AT "BCX" AT HIGH END SUPPORT WITH CANTILEVERED JOIST EXTENDED END.
25) REFER TO DETAIL H/S1107 AT "LCX" AT HIGH END SUPPORT AT RIDGE.
26) REFER TO DETAIL C/S1107 AT "BCX" AT HIGH END SUPPORT AT RIDGE.
27) INDICATES DIRECTION OF SPAN FOR 1.5" TYPE "B" METAL ROOF DECK. REFER TO GENERAL NOTES.



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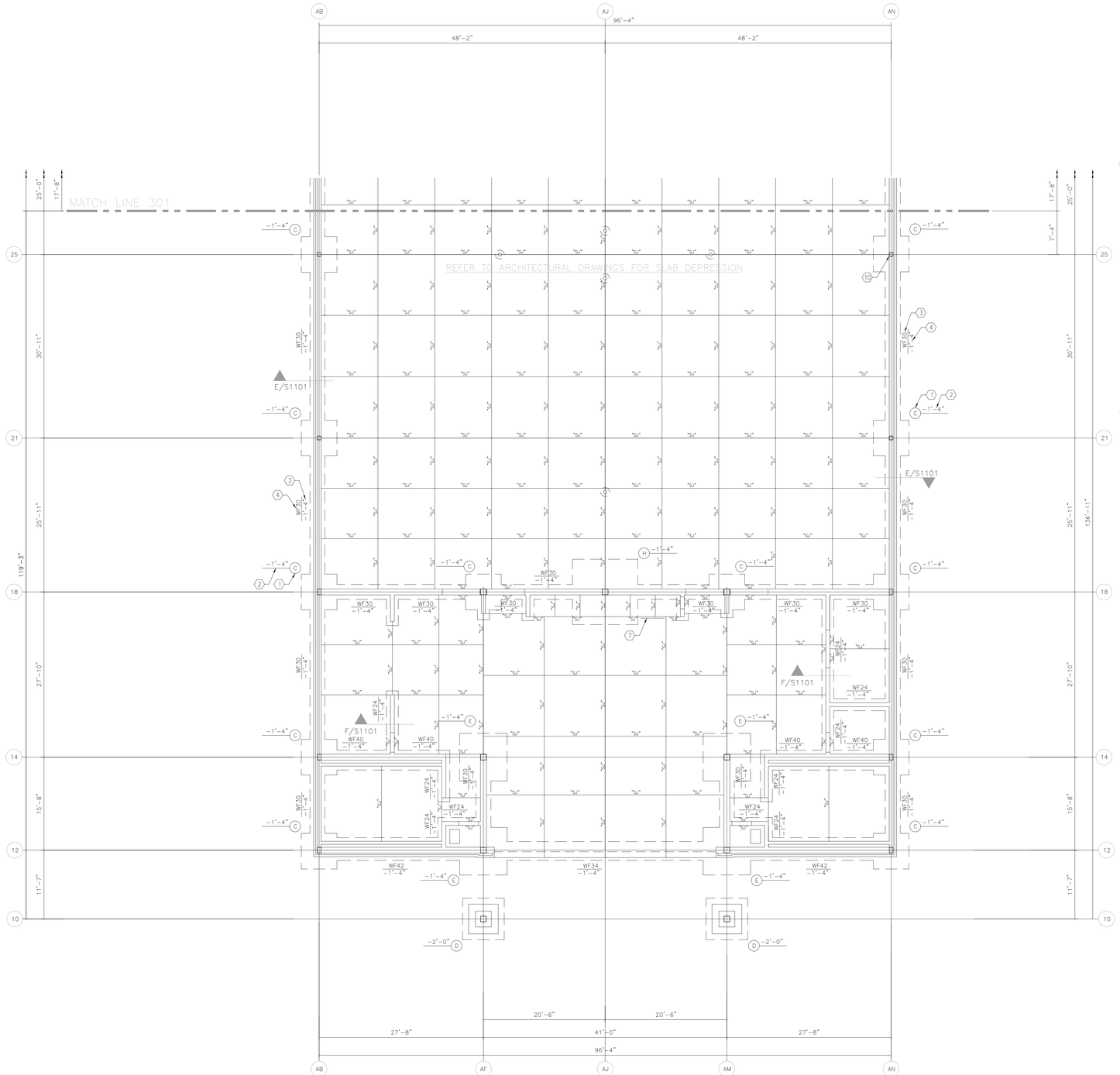
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Date: 28 March 2012
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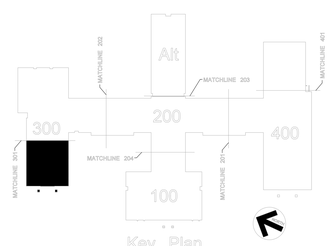


A S301 PARTIAL FOUNDATION PLAN – 300 UNIT

1/8" = 1'-0"

KEYNOTES FOR FOUNDATION PLAN A/S301

1) INDICATES TYPICAL COLUMN FOOTING TYPE. REFER TO COLUMN FOOTING SCHEDULE. REFER TO DETAIL R/S1101 FOR TYPICAL COLUMN BASE.
2) INDICATES ELEVATION OF TOP OF COLUMN FOOTING BELOW FINISH FLOOR. REFER TO ARCHITECTURAL DRAWINGS FOR FINISH FLOOR ELEVATION.
3) INDICATES WIDTH OF CONTINUOUS RIBBON WALL FOOTING IN INCHES FOR INTERIOR CMU PARTITIONS AND WALLS AND EXTERIOR CMU AND BRICK VENEER WALLS. REFER TO WALL FOOTING SCHEDULE DETAIL K/S1101 FOR WALL FOOTING DETAILS. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION AND THICKNESS AND TYPES OF ALL MASONRY WALLS.
4) INDICATES ELEVATION OF TOP OF WALL FOOTING BELOW FINISH FLOOR. REFER TO ARCHITECTURAL DRAWINGS FOR FINISH FLOOR ELEVATION. WALL FOOTINGS SHALL BE PLACED MONOLITHIC WITH AND FLUSH TOP WITH CONTIGUOUS COLUMN FOOTINGS. ALL CONTINUOUS WALL FOOTING REINFORCING SHALL BE CONTINUOUS THROUGH COLUMN FOOTINGS. CONSTRUCTION JOINTS IN WALL FOOTINGS SHALL BE MIDWAY BETWEEN COLUMN FOOTINGS AND AT LEAST 4 FEET CLEAR OF INTERSECTING WALL FOOTINGS. REFER TO DETAIL X/S1101 FOR TYPICAL WALL CONSTRUCTION JOINT DETAIL.
5) "SJ" INDICATES LOCATION OF FLOOR SLAB JOINTS. REFER TO DETAILS A/S1101 AND B/S1101 FOR SLAB JOINT DETAILS. TYPE OF JOINT WHETHER CONTROL JOINT OR FLOOR SLAB CONSTRUCTION JOINT SHALL BE AT THE OPTION OF THE CONTRACTOR EXCEPT THAT ALL FLOOR SLAB COLD JOINTS SHALL BE THE DOWELLED CONSTRUCTION JOINT TYPE.
6) REFER TO ARCHITECTURAL DRAWINGS FOR FLOOR SLAB DEPRESSIONS AND FLOOR SLAB SLOPES TO DRAINS AS REQUIRED FOR FLOOR FINISHES, TYPICAL ALL AREAS.
7) INDICATES 1'– #5 X 6'–8" BAR PLACED AT MIDDEPTH OF SLAB 3" FROM FLOOR JOINT FOR CRACK CONTROL.
8) INDICATES DIMENSION FROM COLUMN GRID TO EXTERIOR FACE OF CMU FOUNDATION. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSION AND DETAILS TO FACE OF BRICK VENEER AT ALL WALLS.
9) REFER TO DETAIL Y/S1101 FOR MONOLITHIC THICKENED SLAB EDGE AT DOORWAYS.
10) REFER TO DETAIL R/S1101 FOR TYPICAL COLUMN BASE. REFER TO DETAIL M/S1101 FOR TYPICAL COLUMN BASE PLATE DETAILS AND ANCHOR ROD SETTING TEMPLATES.



No.	Date:	Revision

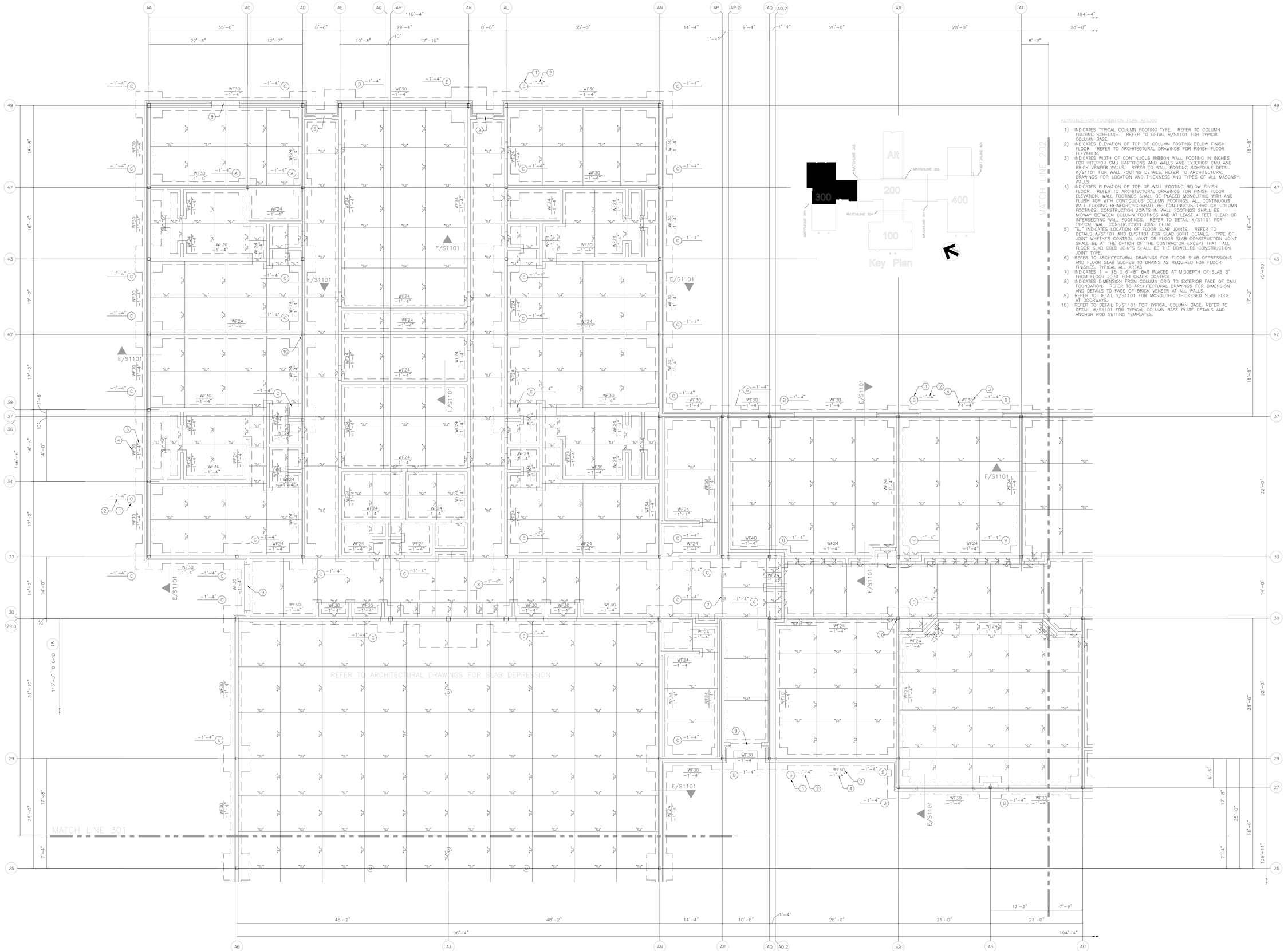
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KEYNOTES FOR FOUNDATION PLAN A/S302

1) INDICATES TYPICAL COLUMN FOOTING TYPE. REFER TO COLUMN FOOTING SCHEDULE. REFER TO DETAIL R/S1101 FOR TYPICAL COLUMN BASE.
2) INDICATES ELEVATION OF TOP OF COLUMN FOOTING BELOW FINISH FLOOR. REFER TO ARCHITECTURAL DRAWINGS FOR FINISH FLOOR ELEVATION.
3) INDICATES WIDTH OF CONTINUOUS RIBBON WALL FOOTING IN INCHES FOR INTERIOR CMU PARTITIONS AND WALLS AND EXTERIOR CMU AND BRICK VENEER WALLS. REFER TO WALL FOOTING SCHEDULE DETAIL K/S1101 FOR WALL FOOTING DETAILS. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION AND THICKNESS AND TYPES OF ALL MASONRY WALLS.
4) INDICATES ELEVATION OF TOP OF WALL FOOTING BELOW FINISH FLOOR. REFER TO ARCHITECTURAL DRAWINGS FOR FINISH FLOOR ELEVATION. WALL FOOTINGS SHALL BE PLACED MONOLITHIC WITH AND FLUSH TOP WITH CONTIGUOUS COLUMN FOOTINGS. ALL CONTINUOUS WALL FOOTING REINFORCING SHALL BE CONTINUOUS THROUGH COLUMN FOOTINGS. CONSTRUCTION JOINTS IN WALL FOOTINGS SHALL BE MIDWAY BETWEEN COLUMN FOOTINGS AND AT LEAST 4 FEET CLEAR OF INTERSECTING WALL FOOTINGS. REFER TO DETAIL K/S1101 FOR TYPICAL WALL CONSTRUCTION JOINT DETAIL.
5) "SJ" INDICATES LOCATION OF FLOOR SLAB JOINTS. REFER TO DETAILS A/S1101 AND B/S1101 FOR SLAB JOINT DETAILS. TYPE OF JOINT WHETHER CONTROL JOINT OR FLOOR SLAB CONSTRUCTION JOINT SHALL BE AT THE OPTION OF THE CONTRACTOR EXCEPT THAT ALL FLOOR SLAB COLD JOINTS SHALL BE THE DOWELLED CONSTRUCTION JOINT TYPE.
6) REFER TO ARCHITECTURAL DRAWINGS FOR FLOOR SLAB DEPRESSIONS AND FLOOR SLAB SLOPES TO DRAINS AS REQUIRED FOR FLOOR FINISHES. TYPICAL ALL AREAS.
7) INDICATES 1 – #5 X 6'-8" BAR PLACED AT MIDDEPTH OF SLAB 3" FROM FLOOR JOINT FOR CRACK CONTROL.
8) INDICATES DIMENSION FROM COLUMN GRID TO EXTERIOR FACE OF CMU FOUNDATION. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSION AND DETAILS TO FACE OF BRICK VENEER AT ALL WALLS.
9) REFER TO DETAIL Y/S1101 FOR MONOLITHIC THICKENED SLAB EDGE AT DOORWAYS.
10) REFER TO DETAIL R/S1101 FOR TYPICAL COLUMN BASE. REFER TO DETAIL M/S1101 FOR TYPICAL COLUMN BASE PLATE DETAILS AND ANCHOR ROD SETTING TEMPLATES.

A S302 PARTIAL FOUNDATION PLAN – 300 UNIT
1/8" = 1'-0"

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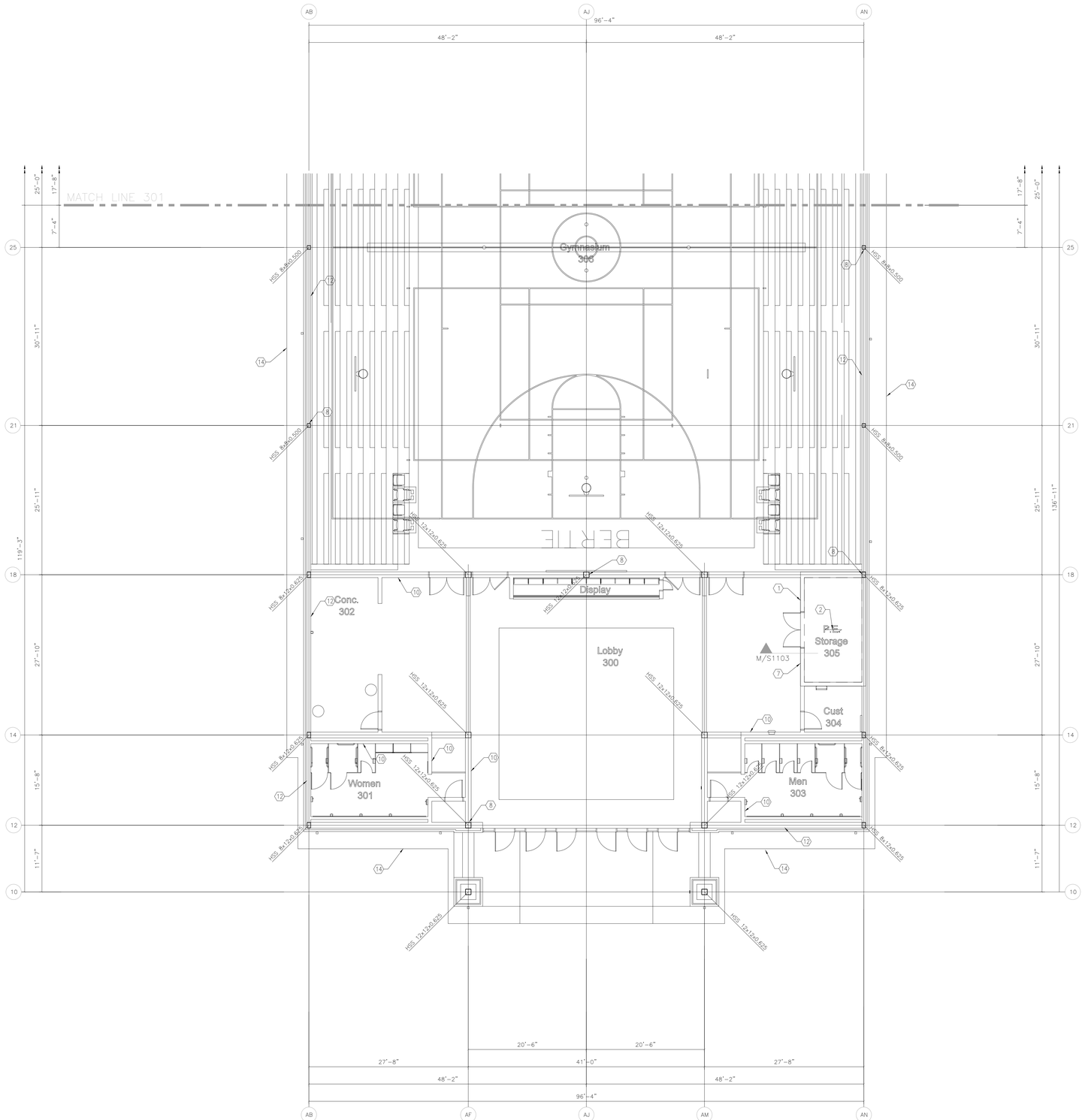
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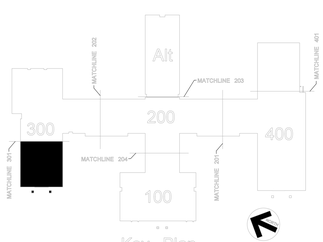
ELEVATION OF TOP OF PLATFORM SLAB = 13'-10" A.F.F.
ELEVATION OF TOP OF STEEL AT PLATFORM = 13'-4" A.F.F.

A S303 PARTIAL PLATFORM FRAMING PLAN – 300 UNIT

1/8" = 1'-0"

KEYNOTES FOR UTILITY PLATFORM A/S303

1) INDICATES 8" CMU LOAD BEARING WALLS SUPPORTING PLATFORM. VERIFY WITH ARCHITECTURAL WHETHER SLAB EDGES ARE CONCEALED OR EXPOSED TO VIEW. REFER TO SLAB EDGE DETAILS ON SHEETS S/1103 AND S/1104. REFER TO GENERAL NOTES FOR INTERIOR VERTICAL WALL REINFORCING.
2) INDICATES DIRECTION OF SPAN FOR 3" DEEP GALVANIZED COMPOSITE METAL FLOOR DECK. REFER TO GENERAL NOTES. SINGLE DECK SPANS EXCEEDING 10'-6" WILL REQUIRE TEMPORARY SHORING. REFER TO MANUFACTURERS RECOMMENDATIONS FOR ADDITIONAL TEMPORARY SHORING REQUIREMENTS. IF TEMPORARY SHORING BECOMES NECESSARY PLACE SHORING AT MIDSPAN OF DECK SPAN. PROVIDE TOP OF SHORING TO BE 1/4" BELOW BOTTOM OF DECK SO THAT THE WEIGHT OF THE FRESH CONCRETE SETTLES THE DECK DOWN TO THE SHORING SO THAT THE DECK IS NEVER PLACED IN A CAMBERED UP CONDITION.
3) [XX] INDICATES THE NUMBER OF 3/4" DIAMETER X 4 1/2" LONG (AFTER WELDING)HEADED SHEAR STUDS TO BE SPACED UNIFORMLY ALONG THE TOP FLANGE CENTERLINE THE FULL LENGTH OF THE DESIGNATED BEAM. PLACE STUDS IN THE SIDE OF THE METAL DECK FLUTE NEAREST THE BEAM SUPPORT FOR MAXIMUM SHEAR STUD STRENGTH. REFER TO DETAIL AA/S1104.
4) REFER TO THE COMPOSITE BEAM SHORING SCHEDULE FOR TEMPORARY SHORING REQUIREMENTS OF STEEL BEAMS WITH FIELD APPLIED HEADED SHEAR STUDS.
5) VERIFY ALL STAIR OPENINGS WITH ARCHITECTURAL DRAWINGS. PROVIDE MINIMUM 1/4" BENT PLATE SCREEDS SHOP WELDED TO BEAMS AT ALL SLAB EDGES.
6) PROVIDE W8X10 LINTEL W/ 1/4" X 7" FULL LENGTH BOTTOM PLATE FOR ALL INTERIOR DOORS IN 8" CMU WALLS ADJACENT HSS COLUMNS WHERE THE MASONRY JAMB ADJACENT TO THE COLUMN PROVIDES LESS THAN 12" FOR LINTEL BEARING. CONNECT BEAM TO THE COLUMN AT THAT END AND BEAR THE OPPOSITE END 12" ONTO MASONRY WALL WITH 2 – 3/4" X 1'-4" HEADED ANCHOR BOLTS SET 4" FROM END OF BEAM BEARING ON MASONRY. FILL DOOR JAMBS WITH 3000 PSI CONCRETE AS PER GENERAL NOTES AND PROVIDE REINFORCING IN JAMBS AS SPECIFIED. REFER TO DETAIL BB/S1104.
7) PROVIDE CONTINUOUS 1/4" BENT PLATE SCREED AT SLAB EDGE WITH 8" UPSTANDING VERTICAL LEG WITH 1/2" DIAMETER X 4 1/2" LONG (AFTER WELDING)HEADED SHEAR STUDS WELDED AT 45 DEG IN ANGLE FILLET. SPACE STUDS AT 24" OC MAXIMUM.
8) TIE ALL CMU TO ALL CONTACT FACES OF HSS COLUMNS SPECIFIED. REFER TO SHEET S1104.
9) REFER TO DETAIL B/S1102 FOR FASTENING LIGHT GAGE WINDOW AND DOOR HEADERS TO CMU WALL JAMB.
10) REFER TO GENERAL NOTES FOR INTERIOR VERTICAL WALL REINFORCING.
11) REFER TO ARCHITECTURAL DRAWINGS FOR ALL LINTEL ELEVATIONS.
12) REFER TO GENERAL NOTES FOR EXTERIOR VERTICAL WALL REINFORCING.
13) REFER TO DETAILS J/S1108 AND M/S1108 FOR TYPICAL BEAM BEARING ON MASONRY WALL DETAILS.
14) EDGE OF ROOF OVERHANG ABOVE. REFER TO ARCHITECTURAL DRAWINGS.



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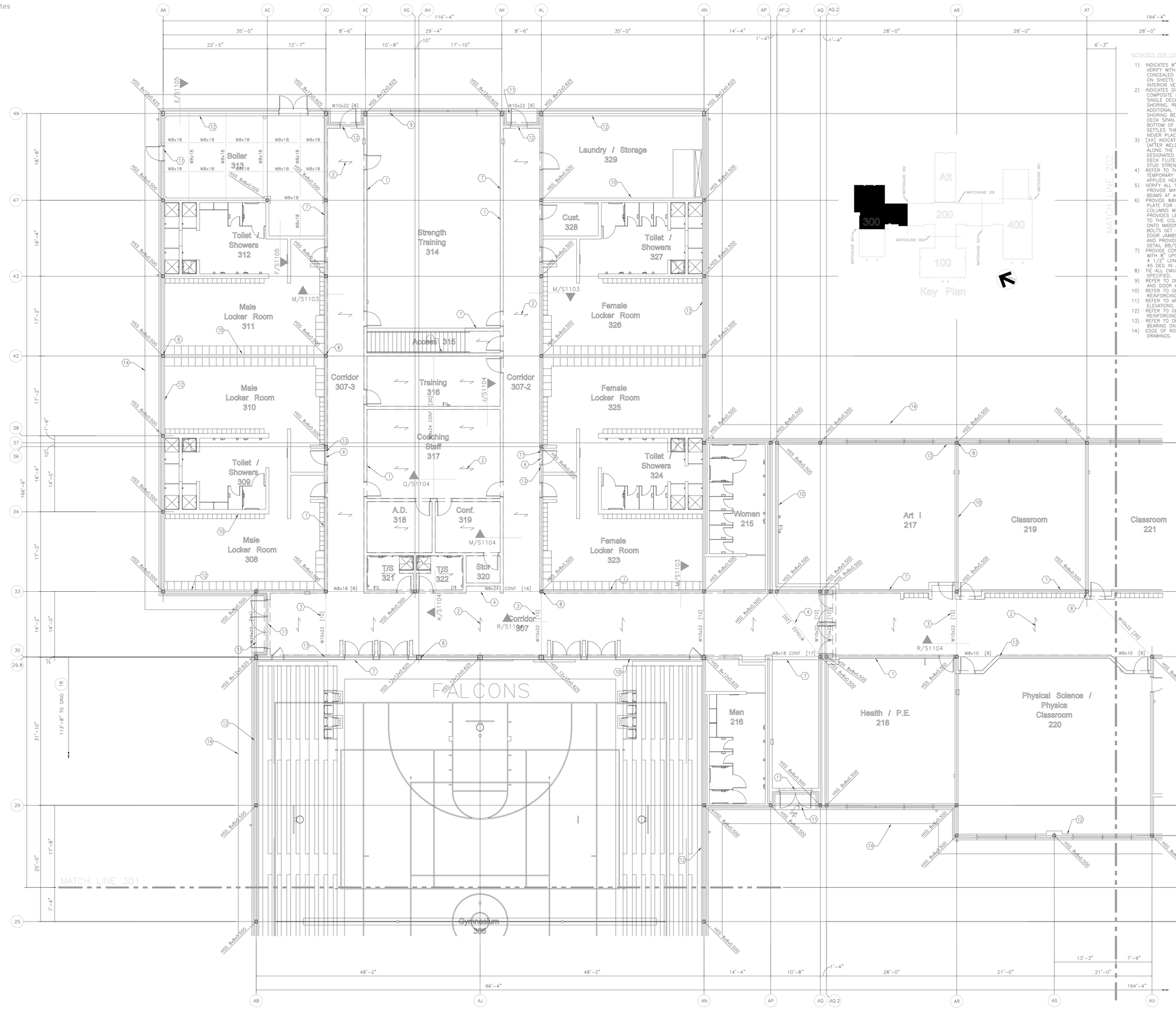
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KEYNOTES FOR UTILITY PLATFORM A/S304

1) INDICATES 8" CMU LOAD BEARING WALLS SUPPORTING PLATFORM. VERIFY WITH ARCHITECTURAL WHETHER SLAB EDGES ARE CONCEALED OR EXPOSED TO VIEW. REFER TO SLAB EDGE DETAILS ON SHEETS S/1103 AND S/1104. REFER TO GENERAL NOTES FOR INTERIOR VERTICAL WALL REINFORCING.
2) INDICATES DIRECTION OF SPAN FOR 3" DEEP GALVANIZED COMPOSITE METAL FLOOR DECK. REFER TO GENERAL NOTES. SINGLE DECK SPANS EXCEEDING 10'-6" WILL REQUIRE TEMPORARY SHORING. REFER TO MANUFACTURER'S RECOMMENDATIONS FOR ADDITIONAL TEMPORARY SHORING REQUIREMENTS. IF TEMPORARY SHORING BECOMES NECESSARY, PLACE SHORING AT MIDSPAN OF DECK SPAN. PROVIDE TOP OF SHORING TO BE 1/4" BELOW BOTTOM OF DECK SO THAT THE WEIGHT OF THE FRESH CONCRETE SETTLES THE DECK DOWN TO THE SHORING SO THAT THE DECK IS NEVER PLACED IN A CAMBERED UP CONDITION.
3) [XX] INDICATES THE NUMBER OF 3/4" DIAMETER X 4 1/2" LONG (AFTER WELDING)HEADED SHEAR STUDS TO BE SPACED UNIFORMLY ALONG THE TOP FLANGE CENTERLINE THE FULL LENGTH OF THE DESIGNATED BEAM. PLACE STUDS IN THE SIDE OF THE METAL DECK FLUTE NEAREST THE BEAM SUPPORT FOR MAXIMUM SHEAR STUD STRENGTH. REFER TO DETAIL AA/S1104.
4) REFER TO THE COMPOSITE BEAM SHORING SCHEDULE FOR TEMPORARY SHORING REQUIREMENTS OF STEEL BEAMS WITH FIELD APPLIED HEADED SHEAR STUDS.
5) VERIFY ALL STAIR OPENINGS WITH ARCHITECTURAL DRAWINGS. PROVIDE MINIMUM 1/4" BENT PLATE SCREEDS SHOP WELDED TO BEAMS AT ALL SLAB EDGES.
6) PROVIDE W8X10 LINTEL W/ 1/4" X 7" FULL LENGTH BOTTOM PLATE FOR ALL INTERIOR DOORS IN 8" CMU WALLS ADJACENT HSS COLUMNS WHERE THE MASONRY JAMB ADJACENT TO THE COLUMN PROVIDES LESS THAN 12" FOR LINTEL BEARING. CONNECT BEAM TO THE COLUMN AT THAT END AND BEAR THE OPPOSITE END 12" ONTO MASONRY WALL WITH 2 – 3/4" X 1'-4" HEADED ANCHOR BOLTS SET 4" FROM END OF BEAM BEARING ON MASONRY. FILL DOOR JAMBS WITH 3000 PSI CONCRETE AS PER GENERAL NOTES AND PROVIDE REINFORCING IN JAMBS AS SPECIFIED. REFER TO DETAIL BB/S1104.
7) PROVIDE CONTINUOUS 1/4" BENT PLATE SCREED AT SLAB EDGE WITH 8" UPSTANDING VERTICAL LEG WITH 1/2" DIAMETER X 4 1/2" LONG (AFTER WELDING)HEADED SHEAR STUDS WELDED AT 45 DEG IN ANGLE FILLET. SPACE STUDS AT 24" OC MAXIMUM.
8) TIE ALL CMU TO ALL CONTACT FACES OF HSS COLUMNS SPECIFIED. REFER TO SHEET S1104.
9) REFER TO DETAIL B/S1102 FOR FASTENING LIGHT GAGE WINDOW AND DOOR HEADERS TO CMU WALL JAMB.
10) REFER TO GENERAL NOTES FOR INTERIOR VERTICAL WALL REINFORCING.
11) REFER TO ARCHITECTURAL DRAWINGS FOR ALL LINTEL ELEVATIONS.
12) REFER TO GENERAL NOTES FOR EXTERIOR VERTICAL WALL REINFORCING.
13) REFER TO DETAILS J/S1108 AND M/S1108 FOR TYPICAL BEAM BEARING ON MASONRY WALL DETAILS.
14) EDGE OF ROOF OVERHANG ABOVE. REFER TO ARCHITECTURAL DRAWINGS.

ELEVATION OF TOP OF PLATFORM SLAB = 13'-10" A.F.F.
ELEVATION OF TOP OF STEEL AT PLATFORM = 13'-4" A.F.F.

A / S304 PARTIAL PLATFORM FRAMING PLAN – 300 UNIT

1/8" = 1'-0"

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KEYNOTES FOR ROOF FRAMING – SHEET S305

1) STANDARD TYPE "B" CANTILEVERED EXTENDED ENDS AT OVERHANGS FABRICATED FROM CONTINUOUS ROLLED ANGLE 4 X 4 X 1/4 AT EDGE OF GABLE FIELD PER LINEAL FOOT APPLIED UPWARD OR DOWNWARD. REFER TO DETAILS B/S1107 AND N/S1107. PROVIDE FOR 5" DEEP JOIST BEARING DEPTH FOR "LCX" SERIES JOISTS. REFER TO DETAIL 7/S1107 FOR 7 1/2" DEEP JOIST BEARING DEPTH FOR "LH" SERIES JOISTS. COORDINATE ALL JOIST BEARING DEPTHS WITH THE STEEL AND JOIST FABRICATORS.

2) INDICATES TWO CONTINUOUS 1/4" BENT PLATES AT EAVE FIELD WELDED TO TOP AND BOTTOM OF CANTILEVERED BEAMS. JOIN BENT PLATES FOR THERMAL RELIEF. REFER TO DETAILS B/S1107 AND N/S1107. REFER TO TYPICAL ROOF DECK TIE DETAILS ON SHEET S1109. PROVIDE CONTINUOUS LENGTHS BETWEEN BENT PLATE JOINTS FOR THERMAL RELIEF. JOIN BENT PLATE SECTIONS ONLY AT JOIST TOP CHORD EXTENSIONS. BENT PLATE WELDED TO TOP CHORD OF JOISTS WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.

3) INDICATES 4" X 4" X 1/4" X 12" BENT PLATE AT RIDGE FIELD WELDED TO TOP CHORDS OF JOISTS EACH SIDE OF RIDGE WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC. REF. S1107, 106, FOR MAXIMUM CONSTRUCTION LOADING BETWEEN BENT PLATE JOINTS FOR THERMAL RELIEF. JOIN BENT PLATE JOINTS AT RIDGE WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.

4) INDICATES CONTINUOUS ROLLED ANGLE 4 X 4 X 1/4 AT EDGE OF GABLE FIELD WELDED TO TOP AND BOTTOM OF CANTILEVERED BEAMS. JOIN CONTINUOUS ANGLE 4 X 4 X 1/4 AT EDGE OF GABLE FIELD WELDED TO OUTRIGGERS. REFER TO DETAIL 2/S1107. FIELD WELD METAL ROOF DECK TO ANGLE WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.

5) INDICATES 5 X 3 1/2 X 5/16 OUTRIGGERS SPACED AT 24" OC MAXIMUM ALONG GABLE ENDS FIELD WELDED TO TOP CHORD OF JOISTS UNDER METAL ROOF DECK HIGH-RIB FLUTES. REFER TO DETAIL 2/S1107. REFER TO TYPICAL ROOF DECK TIE DETAILS TO FIT WITHIN THE ROOF DECK LAYOUT. EXERCISE PROPER CARE IN FIELD WELDING OUTRIGGERS TO TOP CHORDS OF JOISTS TO AVOID NEGATIVE CAMBER IN THE OUTRIGGERS AND NOT TO DAMAGE JOISTS. FIELD WELD DECK TO TOP OF OUTRIGGERS WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.

6) STEEL BEAMS NOTED WITH (XX'-XX") INDICATES TOP OF BEAM ELEVATIONS AT COLUMN LINES. REFER TO ARCHITECTURAL DRAWINGS FOR FINISH FLOOR ELEVATION.

7) CABLE BRACE PER DETAIL 5/S1107. REF. ALL RIGHT AND LEFT HAND HIP AND VALLEY METAL ROOF DECK BRACE LOCATIONS.

8) FIELD TRIM AND FIELD WELD FULLY RIDGE BENT PLATE AND GABLE BENT PLATE AT RIDGE AND GABLE ENDS. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS OF ROOFING JOINT CONTINUOUS ANGLE 4 X 4 X 1/4 WELDED ADDITIONAL DIAGONAL BRIDGING.

9) (X) INDICATES FIELD WELDED ADDITIONAL DIAGONAL BRIDGING SIMILAR IN JOIST SPACE INDICATED. REFER TO DETAIL 2/S1107 AS SIMILAR.

10) "BCX" AT COLUMN INDICATES BOTH JOIST BOTTOM CHORD MEMBERS BEARING ON COLUMN CAP PLATE SHALL BE FIELD WELDED TO A 6" X 6" TAB PLATE SHOP WELDED TO COLUMN FOR FIELD WELDED CONNECTION. REFER TO DETAIL 6/S1107.

11) "LCX" AT JOIST GIRDER OF BEAM INDICATES TWO LOOSE BOTTOM CHORD JOIST STRUTS FIELD WELDED BOTTOM FLANGES OF JOIST AND BEAM. REFER TO DETAIL 6/S1107. STRUTS SHALL BE SAME SIZE AS BOTTOM CHORD ANGLE OF JOIST AT JOIST GIRDER.

12) INDICATES A THREE PIECE FIELD WELDED ANGLE BRACE 3 X 3 X 1/4 IN THE PLANE OF THE BOTTOM CHORD OF THE JOISTS ON COLUMN LINE. REFER TO DETAIL 4/S1107. BRACE MEMBERS TO BOTTOM CHORD OF JOISTS AND TO A TAB PLATE 6" X 6" X 3/8" SHOP WELDED TO COLUMN FACE. REFER TO DETAIL 6/S1107.

13) FIELD POINT OF BOTTOM CHORD OF JOISTS FOR SPLICE.

14) TYPICAL FIELD BOLTED DIAGONAL BRIDGING AS PER SJI JOIST BRIDGING REQUIREMENTS.

15) TYPICAL FIELD BOLTED HORIZONTAL BRIDGING AS PER SJI JOIST BRIDGING REQUIREMENTS.

16) INDICATES W4X13 SUPPORTS FOR HYDRONIC PIPING CONNECTED TO CEILING FRAMING AT 6'-0" OC MAXIMUM. REFER TO DETAIL 3/S1107.

17) INDICATES W4X13 SUPPORTS FOR HYDRONIC PIPING CONNECTED TO CEILING FRAMING AT 6'-0" OC MAXIMUM. REFER TO DETAIL 3/S1107. FOR AN ADDITIONAL 1.5 KIP UNFACTORED SERVICE LOAD ON JOISTS GIRDER AT EACH WA CONNECTION POINT. REFER TO DETAIL D/S1107.

18) INDICATES CONCENTRATED LOAD OF 1.5 KIPS FOR SUSPENDED PIPING SUPPORTS FOR PIPING RUNNING PERPENDICULAR TO ROOF JOISTS. PROVIDE ADDITIONAL FIELD WELDED JOIST WEB MEMBERS AS TENSION BRACING BOTH SIDES OF TRAPEZE TO ROOF STRUCTURE AT 10'-0" MAXIMUM WITH 1/4" DIAMETER STRANDED CABLE WHERE VERTICAL HANGER DROP LENGTH EXCEEDS 2'-0". REFER TO DETAIL 4/S1107. PROVIDE ADDITIONAL FIELD WELDED JOIST WEB MEMBERS IN AREAS OF PIPING SUPPORTS ARE SPECIFIED WITH THE PIPING WEIGHTS DESIGNED INTO THE JOISTS AS DESIGNATED, WHERE TRAPEZE HANGERS DO NOT HIT WITHIN 6" OF A JOIST PANEL POINT WELD ADDITIONAL JOIST WEB MEMBERS AS SPECIFIED. REFER TO DETAIL Q/S1106.CONTRACTOR SHALL VERIFY AND PROVIDE THE FULL EXTENT OF THE REQUIRED HYDRONIC PIPING SUPPORT SYSTEM.

19) INDICATES APPROXIMATE LOCATION OF TRAPEZE STYLE HYDRONIC PIPING SUPPORTS. PROVIDE ADDITIONAL FIELD WELDED JOIST WEB MEMBERS. REFER TO DETAIL K/S1110 AS SIMILAR. PROVIDE LATERAL DIAGONAL TENSION BRACING BOTH SIDES OF TRAPEZE TO ROOF STRUCTURE AT 10'-0" MAXIMUM WITH 1/4" DIAMETER STRANDED CABLE WHERE VERTICAL HANGER DROP LENGTH EXCEEDS 2'-0". REFER TO DETAIL 4/S1107. PROVIDE ADDITIONAL FIELD WELDED JOIST WEB MEMBERS IN AREAS OF PIPING SUPPORTS ARE SPECIFIED WITH THE PIPING WEIGHTS DESIGNED INTO THE JOISTS AS DESIGNATED, WHERE TRAPEZE HANGERS DO NOT HIT WITHIN 6" OF A JOIST PANEL POINT WELD ADDITIONAL JOIST WEB MEMBERS AS SPECIFIED. REFER TO DETAIL Q/S1106.CONTRACTOR SHALL VERIFY AND PROVIDE THE FULL EXTENT OF THE REQUIRED HYDRONIC PIPING SUPPORT SYSTEM.

20) PROVIDE A MINIMUM DEPTH EXTENDED ENDS OF JOISTS FOR SUPPORTING HYDRONIC PIPING SUPPORTS AT 6'-0" OC MAXIMUM SPACING OF 300 LB PER LINEAL FOOT APPLIED UPWARD OR DOWNWARD. REFER TO DETAIL D/S1107 AT "LCX" AT HIGH END SUPPORT WITH DEPTH WITH THE STEEL AND JOIST FABRICATORS.

21) INDICATES REACTION OF 1.5 KIPS FOR HYDRONIC PIPING SUPPORTS. (BOTTOM OF ROOF DECK/ABOVE MAIN FINISH FIRST FLOOR. REFER TO ARCHITECTURAL BUILDING SECTIONS AND ELEVATION DRAWINGS.

22) INDICATES ROOF TOP UNIT SUPPORT BEAMS. REFER TO DETAIL D/S1107 AT "LCX" AT HIGH END SUPPORT WITH CANTILEVERED JOIST EXTENDED END. REFER TO DETAIL W/S1107 AT "BCX" AT HIGH END SUPPORT WITH CANTILEVERED JOIST EXTENDED END.

23) INDICATES "LCX" AT HIGH END SUPPORT AT RIDGE

24) REFER TO DETAIL C/S1107 AT "BCX" AT HIGH END SUPPORT AT RIDGE

25) INDICATES DIRECTION OF SPAN FOR 1.5" TYPE "B" METAL ROOF DECK.

26) INDICATES "SLCX" AT DEEP JOIST GIRDER INDICATES A SPECIAL "LCX" OF TWO JOISTS AT DEEP JOIST GIRDER WITH SLOPED TOP CHORD. REFER TO JOIST AND TO THE JOIST GIRDER BOTTOM CHORD. REFER TO DETAIL A/S1106.

27) INDICATES C12X20.7 FIELD WELDED TO COLUMN AND BOTTOM CHORD OF JOISTS. REFER TO DETAILS J/S1107 AND K/S1107. PROVIDE ADDITIONAL FIELD WELDED JOIST WEB MEMBERS IF C12 LOCATIONS DO NOT OCCUR AT JOIST BOTTOM CHORD PANEL POINTS.

28) BASKETBALL GOALS SUSPENDED BELOW. REFER TO ARCHITECTURAL DRAWINGS. PROVIDE ADDITIONAL FIELD WELDED JOIST WEB MEMBERS IF BASKETBALL GOALS DO NOT OCCUR AT JOIST PANEL POINTS.

29) MINIMUM THICKNESS PLATES. REFER TO DETAIL C/S1102 AS SIMILAR.

30) SIMILAR BEAMS SHALL BE ROLLED HABDWAY TO PROPER RADIUS AS REQUIRED FOR BARREL CANOPY. COORDINATE WITH ARCHITECTURAL DRAWINGS. PROVIDE ADDITIONAL FIELD WELDED JOIST WEB MEMBERS IF SEGMENT FOR MAKING THE CONNECTION TO THE SUPPORTING W12'S.

31) LEVEL SEGMENT OF CURVED BEAM TO BE CONNECTED TO SUPPORTING BEAM AT CANOPY SOFFIT.

32) PROVIDE 1/4" X 4" X 4" BENT PLATE WELDED TO CONCEAL WITHIN THE TRIM BOTTOM FLANGE OF W12 AS REQUIRED TO CONCEAL WITHIN THE CANOPY SOFFIT.

33) PROVIDE FOR 2" EXPANSION JOINT BETWEEN ENDS OF ANGLES AT RIDGE. REFER TO DETAIL D/S1107.

34) CONTINUOUS ROLLED ANGLE 4 X 4 X 1/4 AT EDGE OF GABLE FIELD WELDED TO OUTRIGGERS. REFER TO DETAIL 2/S1107. FIELD WELD METAL ROOF DECK TO ANGLE WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.

35) CONTINUOUS 1/4" X 4" BENT PLATES AT EAVE FIELD WELDED TO TOP AND BOTTOM OF CANTILEVERED BEAMS. JOIN BENT PLATES FOR THERMAL RELIEF. REFER TO DETAILS B/S1107 AND N/S1107. REFER TO TYPICAL ROOF DECK TIE DETAILS ON SHEET S1109. PROVIDE CONTINUOUS LENGTHS BETWEEN BENT PLATE JOINTS FOR THERMAL RELIEF. JOIN BENT PLATE SECTIONS ONLY AT JOIST TOP CHORD EXTENSIONS. BENT PLATE WELDED TO TOP CHORD OF JOISTS WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.

36) PROVIDE FOR 2" EXPANSION JOINT BETWEEN ENDS OF ANGLES AT RIDGE. REFER TO DETAIL D/S1107.

37) CONTINUOUS ROLLED ANGLE 4 X 4 X 1/4 AT EDGE OF GABLE FIELD WELDED TO OUTRIGGERS. REFER TO DETAIL 2/S1107. FIELD WELD METAL ROOF DECK TO ANGLE WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.

38) CONTINUOUS 1/4" X 4" BENT PLATES AT EAVE FIELD WELDED TO TOP AND BOTTOM OF CANTILEVERED BEAMS. JOIN BENT PLATES FOR THERMAL RELIEF. REFER TO DETAILS B/S1107 AND N/S1107. REFER TO TYPICAL ROOF DECK TIE DETAILS ON SHEET S1109. PROVIDE CONTINUOUS LENGTHS BETWEEN BENT PLATE JOINTS FOR THERMAL RELIEF. JOIN BENT PLATE SECTIONS ONLY AT JOIST TOP CHORD EXTENSIONS. BENT PLATE WELDED TO TOP CHORD OF JOISTS WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.

39) CONTINUOUS 1/4" X 4" BENT PLATES AT EAVE FIELD WELDED TO TOP AND BOTTOM OF CANTILEVERED BEAMS. JOIN BENT PLATES FOR THERMAL RELIEF. REFER TO DETAILS B/S1107 AND N/S1107. REFER TO TYPICAL ROOF DECK TIE DETAILS ON SHEET S1109. PROVIDE CONTINUOUS LENGTHS BETWEEN BENT PLATE JOINTS FOR THERMAL RELIEF. JOIN BENT PLATE SECTIONS ONLY AT JOIST TOP CHORD EXTENSIONS. BENT PLATE WELDED TO TOP CHORD OF JOISTS WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.

40) CONTINUOUS 1/4" X 4" X 1/4 AT EDGE OF CABLE FIELD WELDED TO OUTRIGGERS. REFER TO DETAIL Q/S1106. FIELD WELD METAL ROOF DECK TO ANGLE WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC. EDGE ANGLE WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.

41) CONTINUOUS 1/4" X 4" BENT PLATE FOR METAL ROOF DECK CLOSURE WELDED TO TOP CHORDS OF JOISTS. JOIN BENT PLATE SECTIONS TO TOP JOIST TOP CHORDS. JOIN BENT PLATE SECTIONS ONLY AT JOIST TOP CHORD EXTENSIONS. BENT PLATE WELDED TO TOP CHORD OF JOISTS WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.

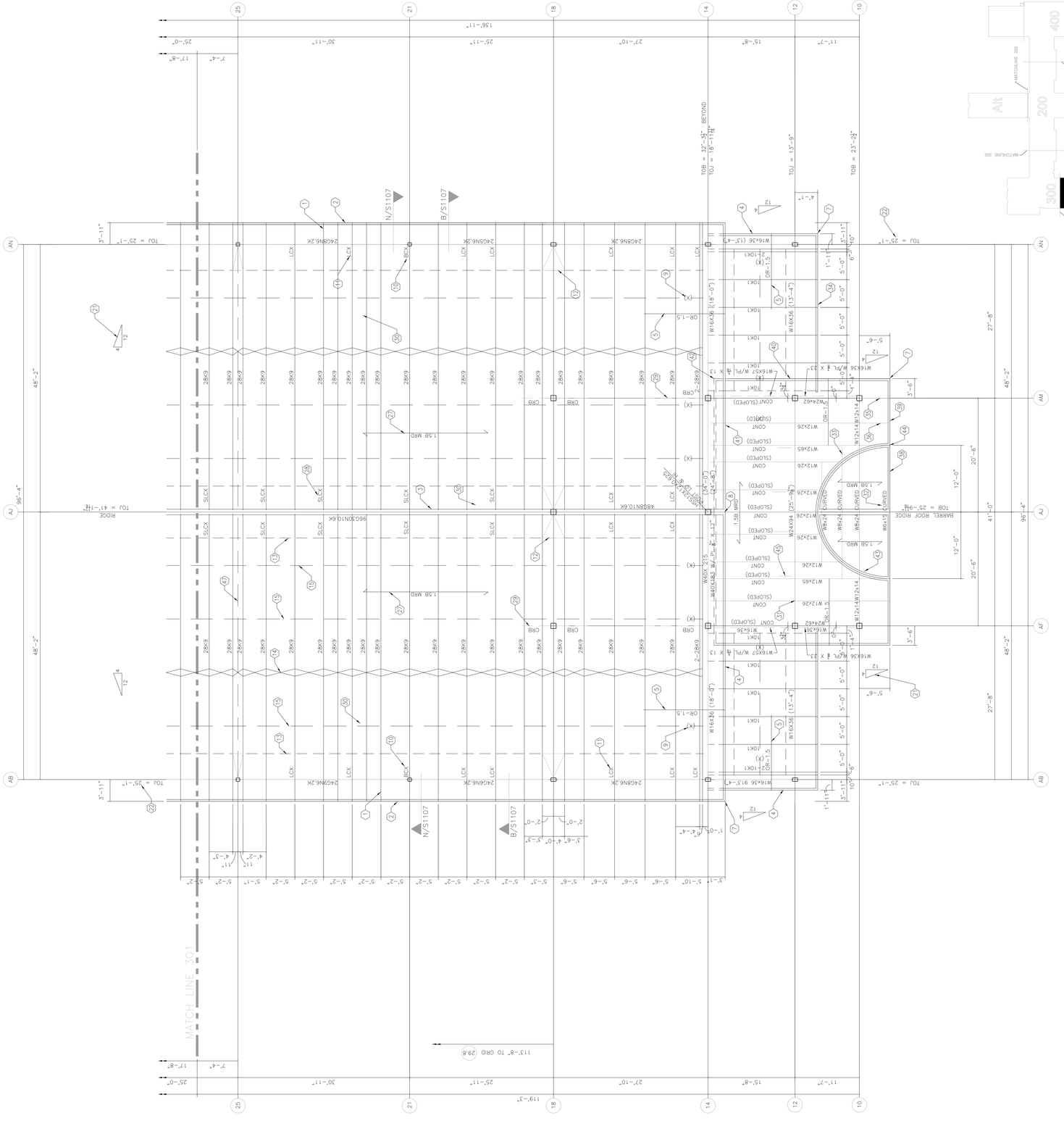
42) FIELD TRIM AND FIELD WELD FULLY TOP EAVE BENT PLATE AND EAVE BENT PLATE AT EAVE AND GABLE ENDS. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS OF ROOFING JOINT CONTINUOUS CURVED BENT VALLEY PLATE. FIELD WELD VALLEY PLATE TO CANTILEVERED WELDED BEAMS WITH BAR 1/2" DIAMETER PLATE WITH 3/4" DIAMETER PAIRED PUDDLE WELDS SPACED AT 6" OC.

43) CONTINUOUS CURVED BENT VALLEY PLATE. FIELD WELD VALLEY PLATE TO CANTILEVERED WELDED BEAMS WITH BAR 1/2" DIAMETER PLATE WITH 3/4" DIAMETER PAIRED PUDDLE WELDS SPACED AT 6" OC.

44) FIELD TRIM AND FIELD WELD FULLY CURVED VALLEY BENT PLATE. FIELD WELD TO TOP OF CURVED BENT PLATE TO SUPPORT METAL ROOF DECK AT ROOF EAVE.

45) FIELD TRIM AND FIELD WELD FULLY TOP EAVE BENT PLATE AND EAVE BENT PLATE AT EAVE AND GABLE ENDS. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS OF ROOFING JOINT STRUCTURE AT 10'-0" MAXIMUM WITH 1/4" DIAMETER STRANDED CABLE WHERE VERTICAL HANGER DROP LENGTH EXCEEDS 2'-0". REFER TO MECHANICAL DRAWINGS FOR FULL EXTENT OF TRAPEZE PIPING SUPPORTS.

46) INDICATES APPROXIMATE LOCATION OF TRAPEZE STYLE HYDRONIC PIPING SUPPORTS. REFER TO SHEET S1109. PROVIDE LATERAL DIAGONAL TENSION BRACING BOTH SIDES OF TRAPEZE TO ROOF STRUCTURE AT 10'-0" MAXIMUM WITH 1/4" DIAMETER STRANDED CABLE WHERE VERTICAL HANGER DROP LENGTH EXCEEDS 2'-0". REFER TO MECHANICAL DRAWINGS FOR FULL EXTENT OF TRAPEZE PIPING SUPPORTS.



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No.	Date:	Revision

New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 – School 312
Windsor / Bertie County / North Carolina

Project No: 21131
Date: 28 March 2012
Drawing No: S 305

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KEYNOTES FOR ROOF FRAMING – SHEET S305

1) STANDARD TYPE "R" CANTILEVERED EXTENDED ENDS AT OVERHANGS WITH TOTAL UNIFORM UNFACTORED SERVICE LOAD RATING OF 300 LB PER LINEAL FOOT APPLIED UPWARD OR DOWNWARD. REFER TO DETAILS B/S1107 AND N/S1107. PROVIDE FOR 5" DEEP JOIST BEARING DEPTH FOR "K" AND "KCS" SERIES JOISTS. PROVIDE FOR 7 1/2" DEEP JOIST BEARING DEPTH FOR "LH" SERIES JOISTS. COORDINATE ALL JOIST BEARING DEPTHS WITH THE STEEL AND JOIST FABRICATORS.
2) INDICATES TWO CONTINUOUS 1/4" BENT PLATES AT EAVE FIELD WELDED TO TOP AND BOTTOM OF JOIST EXTENDED TOP CHORDS. REFER TO DETAILS B/S1107 AND N/S1107. REFER TO TYPICAL DETAILS H/1106, G/S1106, AND J/S1106 FOR MAXIMUM CONTINUOUS LENGTHS BETWEEN BENT PLATE JOINTS FOR THERMAL RELIEF. JOIN BENT PLATE SECTIONS ONLY AT JOIST TOP CHORD EXTENSIONS. FIELD WELD METAL ROOF DECK TO THE TOP BENT PLATE WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.
3) INDICATES TO PROVIDE A CONTINUOUS 1/4" X 12" BENT PLATE AT RIDGE FIELD WELDED TO TOP CHORDS OF JOISTS EACH SIDE OF RIDGE. REFER TO SHEET S1107. REFER TO DETAILS K/S1106, L/S1106, AND M/S1106 FOR MAXIMUM CONTINUOUS LENGTHS BETWEEN BENT PLATE JOINTS FOR THERMAL RELIEF. JOIN BENT PLATE SECTIONS ONLY OVER JOIST TOP CHORD EXTENSIONS. FIELD WELD METAL ROOF DECK TO BENT RIDGE PLATES WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC EACH SIDE OF RIDGE.
4) CONTINUOUS ANGLE 4 X 4 X 1/4 AT EDGE OF GABLE FIELD WELDED TO OUTRIGGERS. REFER TO DETAIL Z/S1107. FIELD WELD METAL ROOF DECK TO THE GABLE EDGE ANGLE WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.
5) "OR=1.5" INDICATES HSS 1.5 X 1.5 X 0.25 OUTRIGGERS SPACED AT 24" OC MAXIMUM ALONG GABLE ENDS FIELD WELDED TO TOP CHORD OF JOISTS UNDER METAL ROOF DECK HIGH HAT FLUTES. REFER TO DETAIL Z/S1107. CAREFULLY COORDINATE LOCATION OF OUTRIGGERS TO FIT WITHIN THE ROOF DECK LAYOUT. EXERCISE PROPER CARE IN FIELD WELDING OUTRIGGERS TO JOISTS SO AS NOT TO INTRODUCE NEGATIVE CAMBER IN THE OUTRIGGERS AND NOT TO DAMAGE JOISTS. FIELD WELD DECK TO TOP OF OUTRIGGERS WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.
6) STEEL BEAMS NOTED WITH (XX'-XX") INDICATES TOP OF BEAM ELEVATION ABOVE FINISH FIRST FLOOR. REFER TO ARCHITECTURAL DRAWINGS FOR FINISH FLOOR ELEVATION.
7) FIELD TRIM AND FIELD WELD FULLY TOP EAVE BENT PLATE AND GABLE ANGLE TO SUPPORT METAL ROOF DECK AT ALL ROOF CORNERS.
8) FIELD TRIM AND FIELD WELD FULLY RIDGE BENT PLATE AND GABLE ANGLE TO SUPPORT METAL ROOF DECK AT ALL ROOF RIDGE RIDGES.
9) (X) INDICATES FIELD WELDED ADDITIONAL DIAGONAL BRIDGING MEMBER IN JOIST SPACE INDICATED. REFER TO DETAIL Z/S1107 AS SIMILAR.
10) "BCX" AT COLUMN INDICATES BOTH JOIST BOTTOM CHORD MEMBERS BE EXTENDED AND BE FIELD WELDED TO COLUMN. PROVIDE 3/4" X 6" X 6" TAB PLATE SHOP WELDED ON COLUMN FOR FIELD WELDED CONNECTION OF "BCX". REFER TO DETAIL N/S1107.
11) "LCX" AT JOIST GIRDER OF BEAM INDICATES TWO LOOSE BOTTOM CHORD JOIST STRUTS FIELD WELDED BOTTOM FLANGE OF JOIST AND JOIST GIRDER OR BEAM. REFER TO DETAIL B/S1107. LOOSE ANGLE STRUTS SHALL BE SAME SIZE AS BOTTOM CHORD ANGLE OF JOIST AT THE "LCX" LOCATION.
12) INDICATES A THREE PIECE FIELD WELDED ANGLE BRACE 3 X 3 X 1/4 IN THE PLANE OF THE BOTTOM CHORD OF THE JOISTS FOR COLUMN TIE AT COLUMN OFFSET FROM JOIST CONNECTION. FIELD WELD ANGLE BRACE MEMBERS TO BOTTOM CHORD OF JOISTS AND TO A TAB PLATE 1/2" X 6" X 6" SHOP WELDED TO COLUMN FACE. REFER TO DETAIL G/S1107.
13) TYPICAL FIELD WELDED HORIZONTAL BRIDGING SIZED AS PER SJI AT END PANEL POINT OF BOTTOM CHORD OF JOISTS FOR UPLIFT.
14) TYPICAL FIELD BOLTED DIAGONAL BRIDGING AS PER SJI REQUIREMENTS. PROVIDE 1/2" DIAMETER BOLTS FOR ALL BOLTED JOIST BRIDGING REQUIREMENTS.
15) TYPICAL FIELD WELDED HORIZONTAL BRIDGING SIZED AS PER SJI REQUIREMENTS FOR TOP AND BOTTOM CHORDS OF JOISTS.
16) INDICATES W4X13 SUPPORTS FOR HYDRONIC PIPING CONNECTED TO COLUMNS. REFER TO DETAIL W/S1107.
17) INDICATES W4X13 SUPPORTS FOR HYDRONIC PIPING CONNECTED TO JOIST GIRDER AT PANEL POINTS MIDWAY BETWEEN JOISTS. PROVIDE FOR AN ADDITIONAL 1.5 KIP UNFACTORED SERVICE LOAD ON JOIST GIRDER AT EACH W4 CONNECTION POINT. REFER TO DETAIL D/S1107.
18) INDICATES APPROXIMATE LOCATION OF TRAPEZE STYLE HYDRONIC PIPING SUPPORTS FOR PIPING RUNNING PERPENDICULAR TO ROOF JOISTS. REFER TO DETAIL K/S1110. PROVIDE LATERAL DIAGONAL TENSION BRACING BOTH SIDES OF TRAPEZE TO ROOF STRUCTURE AT 10'-0" MAXIMUM WITH 1/4" DIAMETER STRANDED CABLE WHERE VERTICAL HANGER DROP LENGTH EXCEEDS 2'-0". ROOF JOISTS IN AREAS OF PIPING SUPPORTS ARE SPECIFIED WITH THE PIPING WEIGHTS DESIGNED INTO THE JOISTS AS DESIGNATED, WHERE TRAPEZE HANGERS DO NOT HIT WITHIN 6" OF A JOIST PANEL POINT THE ADDITIONAL JOIST WEB MEMBER SHALL BE ADDED AND FIELD WELDED AS SPECIFIED. REFER TO DETAIL C/S1106. CONTRACTOR SHALL VERIFY AND PROVIDE THE FULL EXTENT OF THE REQUIRED HYDRONIC PIPING SUPPORT SYSTEM.
19) INDICATES APPROXIMATE LOCATION OF TRAPEZE STYLE HYDRONIC PIPING SUPPORTS FOR PIPING RUNNING PARALLEL TO ROOF JOISTS. REFER TO DETAIL K/S1110 AS SIMILAR. PROVIDE LATERAL DIAGONAL TENSION BRACING BOTH SIDES OF TRAPEZE TO ROOF STRUCTURE AT 10'-0" MAXIMUM WITH 1/4" DIAMETER STRANDED CABLE WHERE VERTICAL HANGER DROP LENGTH EXCEEDS 2'-0". ROOF JOISTS IN AREAS OF PIPING SUPPORTS ARE SPECIFIED WITH THE PIPING WEIGHTS DESIGNED INTO THE JOISTS AS DESIGNATED, WHERE TRAPEZE HANGERS DO NOT HIT WITHIN 6" OF A JOIST PANEL POINT THE ADDITIONAL JOIST WEB MEMBER SHALL BE ADDED AND FIELD WELDED AS SPECIFIED. REFER TO DETAIL Q/S1106.CONTRACTOR SHALL VERIFY AND PROVIDE THE FULL EXTENT OF THE REQUIRED HYDRONIC PIPING SUPPORT SYSTEM.
20) PROVIDE 5" MINIMUM DEPTH EXTENDED ENDS OF JOISTS OVER PLATFORM WITH TOTAL UNIFORM UNFACTORED SERVICE LOAD RATING OF 300 LB PER LINEAL FOOT APPLIED UPWARD OR DOWNWARD. REFER TO DETAILS D/S1107 AND W/S1107. COORDINATE ALL JOIST BEARING DEPTH WITH THE STEEL AND JOIST FABRICATORS.
21) INDICATES ROOF PITCH. VERIFY WITH ARCHITECTURAL DRAWINGS.
22) "T.O.J." INDICATES TOP OF JOIST OR BENT BEAM ELEVATION (BOTTOM OF ROOF DECK)ABOVE MAIN FINISH FIRST FLOOR. REFER TO ARCHITECTURAL DRAWINGS FOR FINISH FLOOR ELEVATION.
23) REFER TO DETAIL D/S1107 AT "LCX" AT HIGH END SUPPORT WITH CANTILEVERED JOIST EXTENDED END.
24) REFER TO DETAIL W/S1107 AT "BCX" AT HIGH END SUPPORT WITH CANTILEVERED JOIST EXTENDED END.
25) REFER TO DETAIL H/S1107 AT "LCX" AT HIGH END SUPPORT AT RIDGE.
26) REFER TO DETAIL C/S1107 AT "BCX" AT HIGH END SUPPORT AT RIDGE.
27) INDICATES DIRECTION OF SPAN FOR 1.5" TYPE "B" METAL ROOF DECK. REFER TO GENERAL NOTES.
28) "SLCX" AT DEEP JOIST GIRDER INDICATES A SPECIAL "LCX" OF TWO LOOSE ANGLES FIELD WELDED BOTTOM FLANGE AND TOP CHORD OF JOIST AND TO THE JOIST GIRDER BOTTOM CHORD. REFER TO DETAIL A/S1106.
29) CONTINUOUS 1/4" X 12" BENT VALLEY PLATE FIELD WELDED TO TOP CHORD OF JOISTS AND TO TOP OF W4 BENT BEAM MEMBERS. FIELD WELD METAL ROOF DECK FROM GABLE CUT ON BIAS TO VALLEY PLATE WITH 2 – 3/4" DIAMETER PUDDLE WELDS PER DECK FLUTE. REFER TO DETAIL V/S1106. PROVIDE METAL ROOF DECK FULLY UNDER THE GABLE OVERBUILD AREA. REFER TO DETAIL F/S1106 FOR ADDITIONAL HEADERS FOR SUPPORT OF METAL DECK CUT AT VALLEY FOR INSTALLATION OF BENT VALLEY PLATE.
30) BASKETBALL GOALS SUSPENDED BELOW. REFER TO ARCHITECTURAL DRAWINGS. PROVIDE ADDITIONAL FIELD WELDED JOIST WEB MEMBERS AS PER DETAIL Q/S1106 WHEREVER SUSPENSION POINTS OF GOALS DO NOT OCCUR AT JOIST PANEL POINTS.
31) REFER TO ARCHITECTURAL DRAWINGS FOR METAL ROOF DECK TERMINATION AND ROOF FLASHING DETAILS AT HIGH WALLS.
32) PROVIDE FOR 2" EXPANSION JOINT BETWEEN ENDS OF ANGLES AT CENTER LINE OF FIRE WALL.
33) PROVIDE FOR 2" EXPANSION JOINT BETWEEN ENDS OF ANGLES AT CENTER LINE OF RIDGE.
34) C12X20.4 FIELD WELDED TO COLUMN AND BOTTOM CHORD OF JOISTS. REFER TO DETAILS J/S1107 AND K/S1107. PROVIDE JOIST WEB REINFORCING AS NOTED IN DETAIL Q/S1106 IF C12 LOCATIONS DO HSS 4 X 4 X 0.250 SHOP WELDED FRAME FOR SUPPORT OF W4 BENT BEAMS. REFER TO DETAIL D/S1110. PROVIDE FOR AN EXTRA 5 KIP UNFACTORED SERVICE LOAD ON JOIST GIRDER AT HSS FRAME SUPPORT POINT LOCATIONS.

A S306 PARTIAL ROOF FRAMING PLAN – 300 UNIT
1/8" =1'-0"

NORTH

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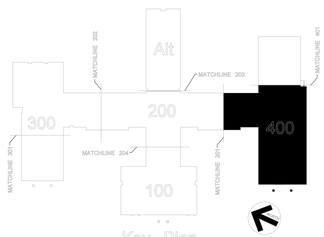
No.	Date:	Revision

Project No: 21131
Date: 28 March 2012
Drawing no. S306

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KEYNOTES FOR FOUNDATION PLAN A/S401

1) INDICATES TYPICAL COLUMN FOOTING TYPE. REFER TO COLUMN FOOTING SCHEDULE. REFER TO DETAIL R/S1101 FOR TYPICAL COLUMN BASE.
2) INDICATES ELEVATION OF TOP OF COLUMN FOOTING BELOW FINISH FLOOR. REFER TO ARCHITECTURAL DRAWINGS FOR FINISH FLOOR ELEVATION.
3) INDICATES WIDTH OF CONTINUOUS RIBBON WALL FOOTING IN INCHES FOR INTERIOR CMU PARTITIONS AND WALLS AND EXTERIOR CMU AND BRICK VENEER WALLS. REFER TO WALL FOOTING SCHEDULE DETAIL K/S1101 FOR WALL FOOTING DETAILS. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION AND THICKNESS AND TYPES OF ALL MASONRY WALLS.
4) INDICATES ELEVATION OF TOP OF WALL FOOTING BELOW FINISH FLOOR. REFER TO ARCHITECTURAL DRAWINGS FOR FINISH FLOOR ELEVATION. WALL FOOTINGS SHALL BE PLACED MONOLITHIC WITH AND FLUSH TOP WITH CONTIGUOUS COLUMN FOOTINGS. ALL CONTINUOUS WALL FOOTING REINFORCING SHALL BE CONTINUOUS THROUGH COLUMN FOOTINGS. CONSTRUCTION JOINTS IN WALL FOOTINGS SHALL BE MIDWAY BETWEEN COLUMN FOOTINGS AND AT LEAST 4 FEET CLEAR OF INTERSECTING WALL FOOTINGS. REFER TO DETAIL X/S1101 FOR TYPICAL WALL CONSTRUCTION JOINT DETAIL.
5) "SJ" INDICATES LOCATION OF FLOOR SLAB JOINTS. REFER TO DETAILS A/S1101 AND B/S1101 FOR SLAB JOINT DETAILS. TYPE OF JOINT WHETHER CONTROL JOINT OR FLOOR SLAB CONSTRUCTION JOINT SHALL BE AT THE OPTION OF THE CONTRACTOR EXCEPT THAT ALL FLOOR SLAB COLD JOINTS SHALL BE THE DOWELLED CONSTRUCTION JOINT TYPE.
6) REFER TO ARCHITECTURAL DRAWINGS FOR FLOOR SLAB DEPRESSIONS AND FLOOR SLAB SLOPES TO DRAINS AS REQUIRED FOR FLOOR FINISHES. TYPICAL ALL AREAS.
7) INDICATES 1 - #5 X 6'-0" BAR PLACED AT MIDDEPTH OF SLAB 3" FROM FLOOR JOINT FOR CRACK CONTROL.
8) INDICATES DIMENSION FROM COLUMN GRID TO EXTERIOR FACE OF CMU FOUNDATION. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSION AND DETAILS TO FACE OF BRICK VENEER AT ALL WALLS.
9) REFER TO DETAIL Y/S1101 FOR MONOLITHIC THICKENED SLAB EDGE AT DOORWAYS.
10) REFER TO DETAIL R/S1101 FOR TYPICAL COLUMN BASE. REFER TO DETAIL M/S1101 FOR TYPICAL COLUMN BASE PLATE DETAILS AND ANCHOR ROD SETTING TEMPLATES.



Key Plan

A S401 PARTIAL FOUNDATION PLAN – 400 UNIT
1/8" = 1'-0"

NORTH

MATCH LINE 201

MATCH LINE 40

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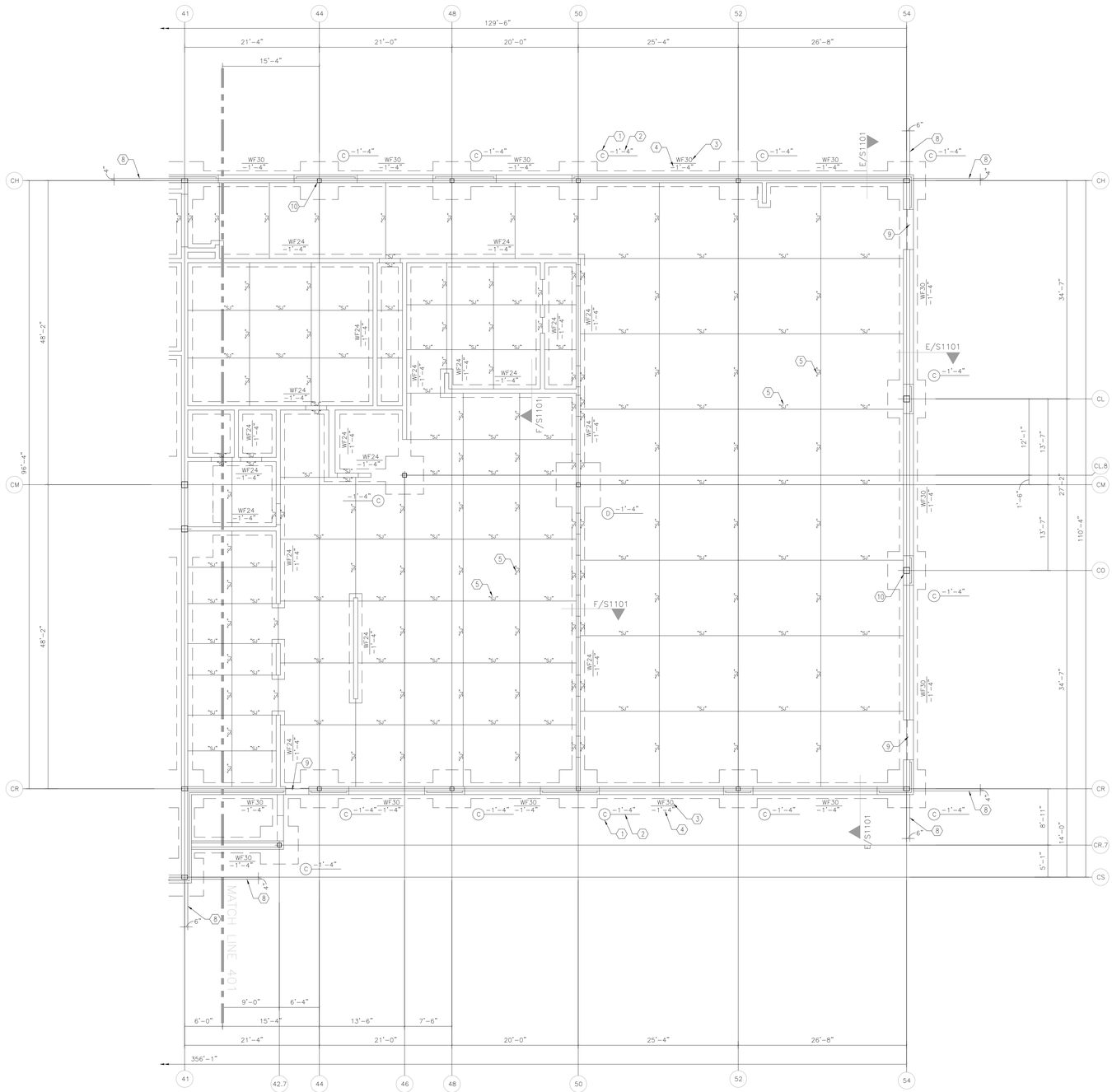
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No. Date: Revision

New Bertie High School
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Windsor / Bertie County / North Carolina

Project No. 21131
Date: 28 March 2012
Drawing no. S 401

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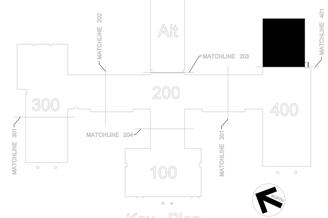
A S402 PARTIAL FOUNDATION PLAN — 400 UNIT

1/8" = 1'-0"

NORTH

KEYNOTES FOR FOUNDATION PLAN A/S402

1) INDICATES TYPICAL COLUMN FOOTING TYPE. REFER TO COLUMN FOOTING SCHEDULE. REFER TO DETAIL R/S1101 FOR TYPICAL COLUMN BASE.
2) INDICATES ELEVATION OF TOP OF COLUMN FOOTING BELOW FINISH FLOOR. REFER TO ARCHITECTURAL DRAWINGS FOR FINISH FLOOR ELEVATION.
3) INDICATES WIDTH OF CONTINUOUS RIBBON WALL FOOTING IN INCHES FOR INTERIOR CMU PARTITIONS AND WALLS AND EXTERIOR CMU AND BRICK VENEER WALLS. REFER TO WALL FOOTING SCHEDULE DETAIL K/S1101 FOR WALL FOOTING DETAILS. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION AND THICKNESS AND TYPES OF ALL MASONRY WALLS.
4) INDICATES ELEVATION OF TOP OF WALL FOOTING BELOW FINISH FLOOR. REFER TO ARCHITECTURAL DRAWINGS FOR FINISH FLOOR ELEVATION. WALL FOOTINGS SHALL BE PLACED MONOLITHIC WITH AND FLUSH TOP WITH CONTIGUOUS COLUMN FOOTINGS. ALL CONTINUOUS WALL FOOTING REINFORCING SHALL BE CONTINUOUS THROUGH COLUMN FOOTINGS. CONSTRUCTION JOINTS IN WALL FOOTINGS SHALL BE MIDWAY BETWEEN COLUMN FOOTINGS AND AT LEAST 4 FEET CLEAR OF INTERSECTING WALL FOOTINGS. REFER TO DETAIL X/S1101 FOR TYPICAL WALL CONSTRUCTION JOINT DETAIL.
5) "SJ" INDICATES LOCATION OF FLOOR SLAB JOINTS. REFER TO DETAILS A/S1101 AND B/S1101 FOR SLAB JOINT DETAILS. TYPE OF JOINT WHETHER CONTROL JOINT OR FLOOR SLAB CONSTRUCTION JOINT SHALL BE AT THE OPTION OF THE CONTRACTOR EXCEPT THAT ALL FLOOR SLAB COLD JOINTS SHALL BE THE DOWELLED CONSTRUCTION JOINT TYPE.
6) REFER TO ARCHITECTURAL DRAWINGS FOR FLOOR SLAB DEPRESSIONS AND FLOOR SLAB SLOPES TO DRAINS AS REQUIRED FOR FLOOR FINISHES. TYPICAL ALL AREAS.
7) INDICATES 1 - #5 X 6'-8" BAR PLACED AT MIDDEPTH OF SLAB 3" FROM FLOOR JOINT FOR CRACK CONTROL.
8) INDICATES DIMENSION FROM COLUMN GRID TO EXTERIOR FACE OF CMU FOUNDATION. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSION AND DETAILS TO FACE OF BRICK VENEER AT ALL WALLS.
9) REFER TO DETAIL Y/S1101 FOR MONOLITHIC THICKENED SLAB EDGE AT DOORWAYS.
10) REFER TO DETAIL R/S1101 FOR TYPICAL COLUMN BASE. REFER TO DETAIL M/S1101 FOR TYPICAL COLUMN BASE PLATE DETAILS AND ANCHOR ROD SETTING TEMPLATES.



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New Bertie High School
Bertie County Schools
716 US 13 North / NCDPI Unit 080 – School 312
Windsor / Bertie County / North Carolina

Project No. 21131
Date: 28 March 2012
Drawing no. S 402

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New Bertie High School

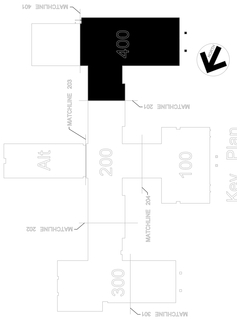
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KEYNOTES FOR HIGH PLATFORM A2.5403

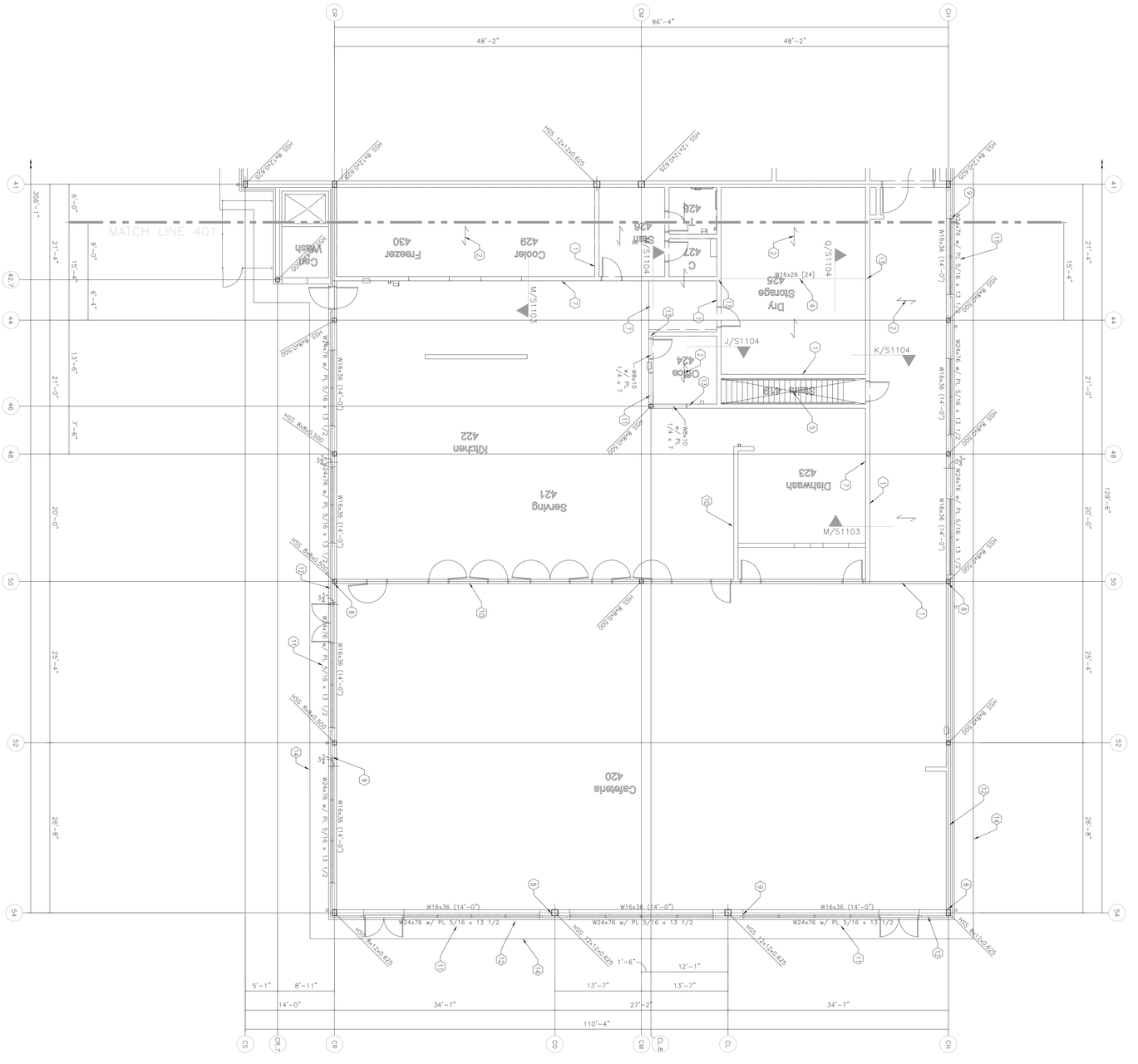
1) INDICATES 8" CMU LOAD BEARING WALLS SUPPORTING PLATFORM. VERIFY WITH ARCHITECTURAL WHETHER SLAB EDGES ARE CONCRETE OR CMU. REFER TO DETAILS S/1103 AND S/1104 FOR SLAB EDGE DETAILS ON SHEETS S/1103 AND S/1104. REFER TO GENERAL NOTES FOR CONCRETE AND MASONRY REQUIREMENTS.
2) INDICATES DIRECTION OF SPAN FOR 3" DEEP GALVANIZED COMPOSITE METAL FLOOR DECK. REFER TO GENERAL NOTES. ADDITIONAL SHORING MAY BE REQUIRED. PROVIDE TEMPORARY SHORING. REFER TO MANUFACTURERS RECOMMENDATIONS FOR ADDITIONAL SHORING REQUIREMENTS. PROVIDE TEMPORARY SHORING BECOMES NECESSARY PLACE SHORING AT MIDSPAN OF BEAM. SHORING SHALL REMAIN IN PLACE UNTIL CONCRETE HAS REACHED 75% OF SPECIFIED 28 DAY STRENGTH. PROVIDE SHORING SO THAT THE DECK IS SETTLES THE DECK DOWN TO THE SHORING SO THAT THE DECK IS PROPERLY SUPPORTED BY THE SHORING.
3) [X1] INDICATES THE NUMBER OF 3/4" DIAMETER X 4 1/2" LONG HEADED STUD ANCHORS REQUIRED IN EACH FLUTE TO PROPERLY ALONG THE TOP FLANGE CENTERLINE THE FULL LENGTH OF THE DESIGNATED BEAM. PLACE STUDS IN THE SIDE OF THE METAL DECK AS FLUTE NUMBER REQUIRED FOR MAXIMUM SHEAR STUD STRENGTH. REFER TO DETAIL A/S1104.
4) [X2] INDICATES NUMBER OF 3/4" DIAMETER X 4" LONG HEADED TEMPORARY SHORING REQUIREMENTS OF STEEL BEAMS WITH FIELD APPLIED HEADED SHEAR STUDS.
5) REFER TO ARCHITECTURAL DRAWINGS.
6) PROVIDE MINIMUM 1/4" BENT PLATE SCREEDS SHOP WELDED TO BEAM AT LAP SPLICES. WHERE REQUIRED.
7) PROVIDE W8X10 LINTEL W/ 1/4" X 7" FULL LENGTH BOTTOM PLATE FOR ALL INTERIOR DOORS IN 8 CMU WALLS ADJACENT HSS PROVIDES LESS THAN 12" FOR LINTEL BEARING. CONNECT BEAM TO THE MASONRY WALL WITH 2 – 3/4" X 1'-4" HEADED ANCHOR
8) [X3] INDICATES NUMBER OF 3/4" DIAMETER X 4 1/2" LONG HEADED STUD ANCHORS REQUIRED IN EACH FLUTE TO PROPERLY ONTO MASONRY WALL WITH 2 – 3/4" X 1'-4" HEADED ANCHOR BOLTS WITH NUTS AND WASHERS. PROVIDE 12" MINIMUM EMBEDMENT INTO MASONRY WALL. REFER TO DETAIL A/S1104.
9) PROVIDE CONTINUOUS 1/4" BENT PLATE SCREED AT SLAB EDGE AND PROVIDE REINFORCING IN JAMBS AS SPECIFIED. REFER TO DETAIL A/S1104.
10) PROVIDE CONTINUOUS 1/4" BENT PLATE SCREED AT SLAB EDGE W/ 1" X 3" LONG (AFTER WELDING)HEADED SHEAR STUDS WELDED AT 45 DEG IN ANGLE FILLET, SPACE STUDS AT 24" OC MAXIMUM. SPECIFIED. REFER TO SHEET S1104.
11) REFER TO DETAILS FOR FURRING LIGHT GAGE WINDOW AND DOOR HEADERS TO CMU WALL JAMB.
12) REFER TO GENERAL NOTES FOR INTERIOR VERTICAL WALL REINFORCING.
13) REFER TO ARCHITECTURAL DRAWINGS FOR ALL LINTEL REFER TO GENERAL NOTES FOR EXTERIOR VERTICAL WALL REINFORCING.
14) REFER TO DETAILS A/S1108 AND M/S1108 FOR TYPICAL BEAM BEARING ON MASONRY WALL DETAILS.
15) EDGE OF ROOF OVERHANG ABOVE. REFER TO ARCHITECTURAL DRAWINGS.



A PARTIAL PLATFORM FRAMING PLAN – 400 UNIT S403
ELEVATION OF TOP OF PLATFORM SLAB = 13'-10" A.F.F.
ELEVATION OF TOP OF STEEL AT PLATFORM = 13'-4" A.F.F.
1/8" = 1'-0"

NORTH

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PARTIAL PLATFORM FRAMING PLAN — 400 UNIT

1/8" = 1'-0"

ELEVATION OF TOP OF PLATFORM SLAB = 13'-10" A.F.F.
ELEVATION OF TOP OF STEEL AT PLATFORM = 13'-4" A.F.F.

A S404

NORTH

MATCHLINE 301
MATCHLINE 202
MATCHLINE 302
MATCHLINE 201
MATCHLINE 203
MATCHLINE 401
300
200
100
400
Alt
Key Plan

KEYNOTES FOR UNIT PLATFORM A2310

1) INDICATES 8" CMU LOAD BEARING WALLS SUPPORTING PLATFORM. REFER TO STRUCTURAL DRAWINGS FOR REINFORCING REQUIREMENTS. CONCEALED OR EXPOSED TO VIEW - REFER TO SLAB EDGE DETAILS ON S5104 FOR FINISH AND ELEVATIONS. REFER TO GENERAL NOTES FOR CMU CONSTRUCTION.
2) INDICATES DIRECTION OF SPAN FOR 3" DEEP GALVANIZED SINGLE DECK SPANS EXCEEDING 10'-6". WILL REQUIRE TEMPORARY ADDITIONAL TEMPORARY SHORING REQUIREMENTS IF TEMPORARY SHORING BECOMES NECESSARY PLACE SHORING AT MIDSPAN OF BEAM SPANNING PERPENDICULAR TO DECK SPAN.
3) (X#) INDICATES THE NUMBER OF 3/4" DIAMETER x 4 1/2" LONG HEADED SHEAR STUDS WELDED AT 4" ON CENTER THROUGH THE DECK FLUTE NEAREST THE BEAM SUPPORT FOR MAXIMUM SHEAR STUD STRENGTH. REFER TO DETAIL A5/S1104.
4) COORDINATE WITH MECHANICAL SCHEDULE FOR TEMPORARY SHORING REQUIREMENTS OF STEEL BEAMS WITH FIELD CUT OPENINGS.
5) VERIFY ALL STAIR OPENINGS WITH ARCHITECTURAL DRAWINGS.
6) PROVIDE 4" MINIMUM BEARING FOR ALL BEAMS AND JOISTS ON MASONRY WALLS. PROVIDE 8" MINIMUM BEARING FOR ALL BEAMS AND JOISTS ON CONCRETE COLUMNS WHERE THE MASONRY JAMB ADJACENT TO THE COLUMN PROVIDES LATERAL SUPPORT FOR THE COLUMN. PROVIDE 8"X10 LINTEL W/ 1/4" x 7" FULL LENGTH BOTTOM BEARING PLATE FOR ALL LINTELS SPANNING OPENINGS IN CMU WALLS. REFER TO DETAIL 1/S5104 FOR ADDITIONAL REQUIREMENTS.
7) PROVIDE CONTINUOUS 1/4" BENT PLATE SCREED AT SLAB EDGE WITH 4" MINIMUM BEARING ON MASONRY WALLS. WELD TO 4 1/2" LONG (AFTER WELDING)HEADED SHEAR STUDS WELDED AT 4" O.C. TIE ALL CMU TO ALL CONTACT FACES OF HSS COLUMNS WITH #5 BARS AT 16" O.C. MAXIMUM.
8) SPECIFIED. REFER TO DETAIL 2/S5104 FOR LIGHT GAGE WINDOW AND DOOR HEADERS TO CMU WALL JAMB REINFORCING.
9) REFER TO GENERAL NOTES FOR INTERIOR VERTICAL WALL REINFORCING.
10) REFER TO ARCHITECTURAL DRAWINGS FOR ALL LINTEL REQUIREMENTS.
11) REFER TO GENERAL NOTES FOR EXTERIOR VERTICAL WALL REINFORCING.
12) REFER TO DETAILS J/S1108 AND M/S1108 FOR TYPICAL BEAM BEARING ON MASONRY WALL CONDITIONS.
13) REFER TO DETAILS J/S1108 AND M/S1108 FOR TYPICAL BEAM BEARING ON MASONRY WALL CONDITIONS.
14) EDGE OF SLAB AT OVERHANG. REFER TO ARCHITECTURAL DRAWINGS.

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KEYNOTES FOR ROOF FRAMING – SHEET S405

1) STANDARD TYPE "R" CANTILEVERED EXTENDED ENDS AT OVERHANGS WITH TOTAL UNIFORM UNFACTORED SERVICE LOAD RATING OF 300 LB PER LINEAL FOOT APPLIED UPWARD OR DOWNWARD. REFER TO DETAILS B/S1107 AND N/S1107. PROVIDE FOR 5" DEEP JOIST BEARING DEPTH FOR "K" AND "KCS" SERIES JOISTS. PROVIDE FOR 7 1/2" DEEP JOIST BEARING DEPTH FOR "LH" SERIES JOISTS. COORDINATE ALL JOIST BEARING DEPTHS WITH THE STEEL AND JOIST FABRICATORS.
2) INDICATES TWO CONTINUOUS 1/4" BENT PLATES AT EAVE FIELD WELDED TO TOP AND BOTTOM OF JOIST EXTENDED TOP CHORDS. REFER TO DETAILS B/S1107 AND N/S1107. REFER TO TYPICAL DETAILS H/1106, G/S1106, AND J/S1106 FOR MAXIMUM CONTINUOUS LENGTHS BETWEEN BENT PLATE JOINTS FOR THERMAL RELIEF. JOIN BENT PLATE SECTIONS ONLY AT JOIST TOP CHORD EXTENSIONS. FIELD WELD METAL ROOF DECK TO THE TOP BENT PLATE WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.
3) INDICATES TO PROVIDE A CONTINUOUS 1/4" X 12" BENT PLATE AT RIDGE FIELD WELDED TO TOP CHORDS OF JOISTS EACH SIDE OF RIDGE. REFER TO SHEET S1107. REFER TO DETAILS K/S1106, L/S1106, AND M/S1106 FOR MAXIMUM CONTINUOUS LENGTHS BETWEEN BENT PLATE JOINTS FOR THERMAL RELIEF. JOIN BENT PLATE SECTIONS ONLY OVER JOIST TOP CHORD EXTENSIONS. FIELD WELD METAL ROOF DECK TO BENT RIDGE PLATES WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC EACH SIDE OF RIDGE.
4) CONTINUOUS ANGLE 4 X 4 X 1/4 AT EDGE OF GABLE FIELD WELDED TO OUTRIGGERS. REFER TO DETAIL Z/S1107. FIELD WELD METAL ROOF DECK TO THE GABLE EDGE ANGLE WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.
5) "OR–1.5" INDICATES HSS 1.5 X 1.5 X 0.25 OUTRIGGERS SPACED AT 24" OC MAXIMUM ALONG GABLE ENDS FIELD WELDED TO TOP CHORD OF JOISTS UNDER METAL ROOF DECK HIGH RAT FLUTES. REFER TO DETAIL Z/S1107. CAREFULLY COORDINATE LOCATION OF OUTRIGGERS TO FIT WITHIN THE ROOF DECK LAYOUT. EXERCISE PROPER CARE IN FIELD WELDING OUTRIGGERS TO JOISTS SO AS NOT TO INTRODUCE NEGATIVE CAMBER IN THE OUTRIGGERS AND NOT TO DAMAGE JOISTS. FIELD WELD DECK TO TOP OF OUTRIGGERS WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.
6) STEEL BEAMS NOTED WITH (XX–nXX") INDICATES TOP OF BEAM ELEVATION ABOVE FINISH FIRST FLOOR. REFER TO ARCHITECTURAL DRAWINGS FOR FINISH FLOOR ELEVATION.
7) FIELD TRIM AND FIELD WELD FULLY TOP EAVE BENT PLATE AND GABLE ANGLE TO SUPPORT METAL ROOF DECK AT ALL ROOF CORNERS.
8) FIELD TRIM AND FIELD WELD FULLY RIDGE BENT PLATE AND GABLE ANGLE TO SUPPORT METAL ROOF DECK AT ALL ROOF RIDGE RIDGES.
9) (X) INDICATES FIELD WELDED ADDITIONAL DIAGONAL BRIDGING MEMBER IN JOIST SPACE INDICATED. REFER TO DETAIL Z/S1107 AS SIMILAR.
10) "BCX" AT COLUMN INDICATES BOTH JOIST BOTTOM CHORD MEMBERS BE EXTENDED AND BE FIELD WELDED TO COLUMN; PROVIDE 3/4" X 6" X 6" TAB PLATE SHOP WELDED ON COLUMN FOR FIELD WELDED CONNECTION OF "BCX". REFER TO DETAIL N/S1107.
11) "LCX" AT JOIST GIRDER OF BEAM INDICATES TWO LOOSE BOTTOM CHORD JOIST STRUTS FIELD WELDED BOTTOM FLANGE OF JOIST AND JOIST GIRDER OR BEAM. REFER TO DETAIL B/S1107. LOOSE ANGLE STRUTS SHALL BE SAME SIZE AS BOTTOM CHORD ANGLE OF JOIST AT THE "LCX" LOCATION.
12) INDICATES A THREE PIECE FIELD WELDED ANGLE BRACE 3 X 3 X 1/4 IN THE PLANE OF THE BOTTOM CHORD OF THE JOISTS FOR COLUMN TIE AT COLUMN OFFSET FROM JOIST CONNECTION. FIELD WELD ANGLE BRACE MEMBERS TO BOTTOM CHORD OF JOISTS AND TO A TAB PLATE 1/2" X 6" X 6" SHOP WELDED TO COLUMN FACE. REFER TO DETAIL G/S1107.
13) TYPICAL FIELD WELDED HORIZONTAL BRIDGING SIZED AS PER SJI AT END PANEL POINT OF BOTTOM CHORD OF JOISTS FOR UPLIFT.
14) TYPICAL FIELD BOLTED DIAGONAL BRIDGING AS PER SJI REQUIREMENTS. PROVIDE 1/2" DIAMETER BOLTS FOR ALL BOLTED JOIST BRIDGING REQUIREMENTS.
15) TYPICAL FIELD WELDED HORIZONTAL BRIDGING SIZED AS PER SJI REQUIREMENTS FOR TOP AND BOTTOM CHORDS OF JOISTS.
16) INDICATES W4X13 SUPPORTS FOR HYDRONIC PIPING CONNECTED TO COLUMNS. REFER TO DETAIL W/S1107.
17) INDICATES W4X13 SUPPORTS FOR HYDRONIC PIPING CONNECTED TO JOIST GIRDER AT PANEL POINTS MIDWAY BETWEEN JOISTS. PROVIDE FOR AN ADDITIONAL 1.5 KIP UNFACTORED SERVICE LOAD ON JOIST GIRDER AT EACH W4 CONNECTION POINT. REFER TO DETAIL D/S1107.
18) INDICATES APPROXIMATE LOCATION OF TRAPEZE STYLE HYDRONIC PIPING SUPPORTS FOR PIPING RUNNING PERPENDICULAR TO ROOF JOISTS. REFER TO DETAIL K/S1110. PROVIDE LATERAL DIAGONAL TENSION BRACING BOTH SIDES OF TRAPEZE TO ROOF STRUCTURE AT 10'–0" MAXIMUM WITH 1/4" DIAMETER STRANDED CABLE WHERE VERTICAL HANGER DROP LENGTH EXCEEDS 2'–0". ROOF JOISTS IN AREAS OF PIPING SUPPORTS ARE SPECIFIED WITH THE PIPING WEIGHTS DESIGNED INTO THE JOISTS AS DESIGNATED. WHERE TRAPEZE HANGERS DO NOT HIT WITHIN 6" OF A JOIST PANEL POINT THE ADDITIONAL JOIST WEB MEMBER SHALL BE ADDED AND FIELD WELDED AS SPECIFIED. REFER TO DETAIL Q/S1106. CONTRACTOR SHALL VERIFY AND PROVIDE THE FULL EXTENT OF THE REQUIRED HYDRONIC PIPING SUPPORT SYSTEM.
19) INDICATES APPROXIMATE LOCATION OF TRAPEZE STYLE HYDRONIC PIPING SUPPORTS FOR PIPING RUNNING PARALLEL TO ROOF JOISTS. REFER TO DETAIL K/S1110 AS SIMILAR. PROVIDE LATERAL DIAGONAL TENSION BRACING BOTH SIDES OF TRAPEZE TO ROOF STRUCTURE AT 10'–0" MAXIMUM WITH 1/4" DIAMETER STRANDED CABLE WHERE VERTICAL HANGER DROP LENGTH EXCEEDS 2'–0". ROOF JOISTS IN AREAS OF PIPING SUPPORTS ARE SPECIFIED WITH THE PIPING WEIGHTS DESIGNED INTO THE JOISTS AS DESIGNATED. WHERE TRAPEZE HANGERS DO NOT HIT WITHIN 6" OF A JOIST PANEL POINT THE ADDITIONAL JOIST WEB MEMBER SHALL BE ADDED AND FIELD WELDED AS SPECIFIED. REFER TO DETAIL Q/S1106.CONTRACTOR SHALL VERIFY AND PROVIDE THE FULL EXTENT OF THE REQUIRED HYDRONIC PIPING SUPPORT SYSTEM.
20) PROVIDE 5" MINIMUM DEPTH EXTENDED ENDS OF JOISTS OVER PLATFORM WITH TOTAL UNIFORM UNFACTORED SERVICE LOAD RATING OF 300 LB PER LINEAL FOOT APPLIED UPWARD OR DOWNWARD. REFER TO DETAILS D/S1107 AND W/S1107. COORDINATE ALL JOIST BEARING DEPTH WITH THE STEEL AND JOIST FABRICATORS.
21) INDICATES ROOF PITCH. VERIFY WITH ARCHITECTURAL DRAWINGS.
22) "T.O.J." INDICATES TOP OF JOIST OR BENT BEAM ELEVATION (BOTTOM OF ROOF DECK)ABOVE MAIN FINISH FIRST FLOOR. REFER TO ARCHITECTURAL DRAWINGS FOR FINISH FLOOR ELEVATION.
23) REFER TO DETAIL D/S1107 AT "LCX" AT HIGH END SUPPORT WITH CANTILEVERED JOIST EXTENDED END.
24) REFER TO DETAIL W/S1107 AT "BCX" AT HIGH END SUPPORT WITH CANTILEVERED JOIST EXTENDED END.
25) REFER TO DETAIL H/S1107 AT "LCX" AT HIGH END SUPPORT AT RDIGE.
26) REFER TO DETAIL C/S1107 AT "BCX" AT HIGH END SUPPORT AT RIDGE.
27) INDICATES DIRECTION OF SPAN FOR 1.5" TYPE "B" METAL ROOF DECK. REFER TO GENERAL NOTES.

FOR ADDITIONAL KEYNOTES SEE SHEET S406

Key Plan

A S405 PARTIAL ROOF FRAMING PLAN
400 UNIT
1/8" = 1'-0"

NORTH

MATCH LINE 201

MATCH LINE 40

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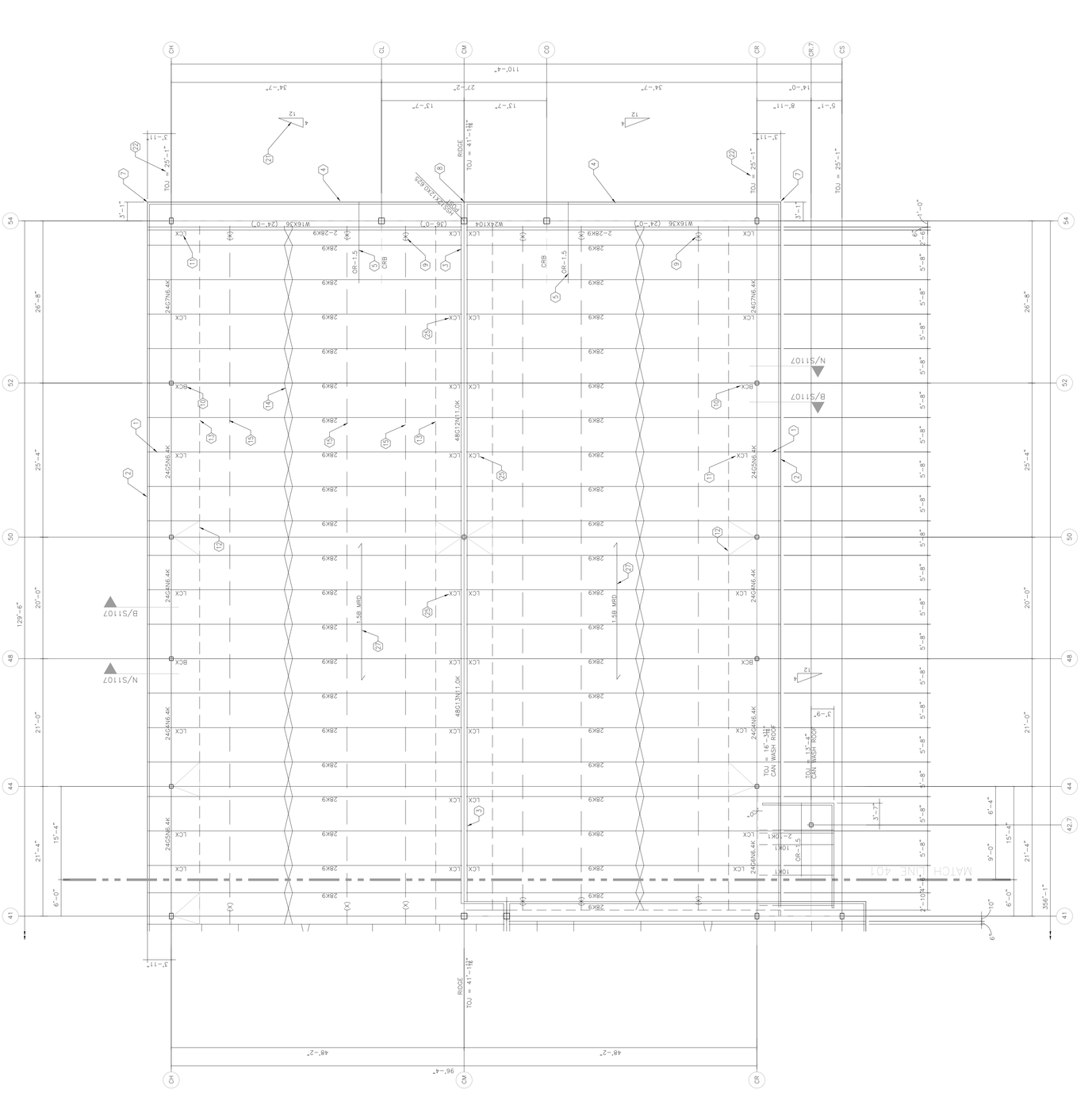
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No.	Date:	Revision

Project No. 21131

Date 29 March 2012

Drawing No. S 406



KEYNOTES FOR ROOF FRAMING – SHEET S406

1) STANDARD TYPE "N" CANTILEVERED EXTENDED ENDS AT OVERHANGS WITH TOTAL UNIFORM UNFACTORED SERVICE LOAD RATING OF 300 LB PER LINEAL FOOT APPLIED UPWARD OR DOWNWARD. REFER TO DETAILS B/S1107 AND N/S1107. PROVIDE FOR 5" DEEP JOIST BEARING DEPTH FOR "LH" SERIES. PROVIDE FOR 7" DEEP JOIST BEARING DEPTHS FOR "LH" SERIES. POSITION AND COORDINATE ALL JOIST BEARING DEPTHS WITH THE STEEL AND JOIST MANUFACTURER.

2) INDICATES TWO CONTINUOUS 1/4" BENT PLATES AT EAVE FIELD WELDED TO JOIST TOP CHORD EXTENSIONS. REFER TO DETAILS B/S1107 AND N/S1107. REFER TO TYPICAL DETAILS 1/F1106, C/S1106, AND J/S1106 FOR MAXIMUM CONTINUOUS UNBRACED LENGTH OF TOP CHORD EXTENSIONS. REFER TO BENT PLATE SECTIONS ONLY AT JOIST TOP CHORD EXTENSIONS. REFER TO DETAILS FOR BENT PLATE WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.

3) INDICATES TWO CONTINUOUS 1/4" X 12" BENT PLATE AT RIDGE FIELD WELDED TO JOIST TOP CHORD EXTENSIONS AT RIDGE - REFER TO SHEET S1107. REFER TO DETAILS K/S1106, L/S1106, AND M/S1106 FOR MAXIMUM CONTINUOUS UNBRACED LENGTH OF TOP CHORD EXTENSIONS. REFER TO BENT PLATE JOINTS FOR THERMAL RELIEF. JOIN BENT PLATE SECTIONS ONLY AT JOIST TOP CHORD EXTENSIONS. INSTALL PUDDLE WELDS SPACED AT 6" OC EACH SIDE OF RIDGE.

4) INDICATES TWO CONTINUOUS 1/4" X 12" BENT PLATE AT GABLE FIELD WELDED TO OUTRIGGERS - REFER TO DETAIL Z/S1107. FIELD WELD METAL ROOF DECK TO THE GABLE EDGE ANGLE WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.

5) 10K~1.5 INDICATES HSS 1.5 X 1.5 X 0.220 OUTRIGGERS SPACED AT 10'-0" MAXIMUM WITH 1/4" DIAMETER STRANDED CABLE WHERE JOISTS UNDER METAL ROOF DECK AT ALL ROOF RIDGE RIDGES. REFER TO DETAIL Z/S1107 AS WELL AS TYPICAL DETAILS FOR MEMBER IN JOIST SPACE INDICATED. REFER TO DETAIL Z/S1107 AS WELL.

6) "BCX" AT COLUMN INDICATES BOTH JOIST BOTTOM CHORD MEMBERS BE 6"TAB PLATE SHOP WELDED ON COLUMN FACE REFER TO DETAIL Z/S1107 AS WELL.

7) FIELD TRIM AND FIELD WELD FULLY TOP EAVE BENT PLATE AND GABLE BENT PLATE TOGETHER AT CORNERS. REFER TO DETAIL Z/S1107 AS WELL.

8) FIELD TRIM AND FIELD WELD FULLY RIDGE BENT PLATE AND GABLE BENT PLATE TOGETHER AT CORNERS. REFER TO DETAIL Z/S1107 AS WELL.

9) (X) INDICATES SUPPORTED METAL ROOF DECK AT ALL ROOF RIDGE RIDGES. REFER TO DETAIL Z/S1107 AS WELL AS TYPICAL DETAILS FOR MEMBER IN JOIST SPACE INDICATED. REFER TO DETAIL Z/S1107 AS WELL.

10) "BCX" AT COLUMN INDICATES BOTH JOIST BOTTOM CHORD MEMBERS BE 6"TAB PLATE SHOP WELDED ON COLUMN FACE REFER TO DETAIL Z/S1107 AS WELL.

11) CONNECTION OF "BCX" REFER TO DETAIL N/S1107.
CHORD JOIST STRUTS FIELD WELDED BOTTOM FLANGE OF JOIST AND DIAGONAL BRIDGING TO TOP FLANGE OF COLUMN. PROVIDE ANGLE AT STRUTS SHALL BE SAME SIZE AS BOTTOM CHORD ANGLE OF JOIST AT COLUMN.

12) INDICATES "LCX" LOCATION OF FACE FIELD WELDED ANGLE BRACE 3 X 3 X 1/4 IN THE PLANE OF THE BOTTOM CHORD OF THE JOISTS FOR COLUMN BRACE MEMBERS TO BOTTOM CHORD OF JOISTS AND TO A TAB PLATE 1/2" X 6" X 6" SHOP WELDED TO COLUMN FACE REFER TO DETAIL Z/S1107.

13) TYPICAL FIELD WELDED HORIZONTAL BRIDGING SIZED AS PER SJI AT AREAS OF PIPING SUPPORTS ARE SPECIFIED WITH THE PIPING WEIGHTS DESIGNED INTO THE JOISTS AS DESIGNATED WHERE REQUIREMENTS. PROVIDE 1/2" DIAMETER BOLTS FOR ALL BOLTED CONNECTIONS.

14) TYPICAL FIELD WELDED DIAGONAL BRIDGING SIZED AS PER SJI AT AREAS OF PIPING SUPPORTS ARE SPECIFIED WITH THE PIPING WEIGHTS DESIGNED INTO THE JOISTS AS DESIGNATED WHERE REQUIREMENTS. PROVIDE 1/2" DIAMETER BOLTS FOR ALL BOLTED CONNECTIONS.

15) TYPICAL FIELD WELDED HORIZONTAL BRIDGING SIZED AS PER SJI

16) INDICATES WAX13 SUPPORTS FOR HYDRONIC PIPING CONNECTED TO JOIST GIRDER AT PANEL POINTS MIDWAY BETWEEN JOISTS. PROVIDE THE ADDITIONAL JOIST WEB MEMBER SHALL BE ADDED AND FIELD WELDED AS SPECIFIED WITH THE PIPING WEIGHTS DESIGNED INTO THE JOISTS AS DESIGNATED WHERE SHALL VERIFY AND PROVIDE THE FULL EXTENT OF THE REQUIRED HYDRONIC PIPING SUPPORT SYSTEM.

17) INDICATES WAX18 SUPPORTS FOR TRAPEZE STYLE HYDRONIC PIPING SUPPORTS FOR PIPING RUNNING PARALLEL TO ROOF JOISTS. REFER TO DETAIL K/S1106 FOR TRAPEZE TO ROOF STRUCTURE AT TENSION BRACING BOTH SIDES OF TRAPEZE TO ROOF STRUCTURE AT VERTICAL HANGER DROP LENGTH EXCEEDS 24"OD. PROVIDE INSERTS IN AREAS OF PIPING SUPPORTS ARE SPECIFIED WITH THE PIPING WEIGHTS DESIGNED INTO THE JOISTS AS DESIGNATED WHERE TRAPEZE HANGERS DO NOT HIT WITHIN 6" OF A JOIST PANEL POINT WELDED AS SPECIFIED. REFER TO DETAIL Q/S1106 CONTRACTOR SHALL VERIFY AND PROVIDE THE FULL EXTENT OF THE REQUIRED HYDRONIC PIPING SUPPORT SYSTEM.

18) INDICATES WAX19 SUPPORTS FOR TRAPEZE STYLE HYDRONIC PIPING SUPPORTS FOR PIPING RUNNING PERPENDICULAR TO ROOF JOISTS. REFER TO DETAIL K/S1106 PROVIDE LATERAL DIAGONAL TENSION BRACING BOTH SIDES OF TRAPEZE TO ROOF STRUCTURE AT 10'-0" MAXIMUM WITH 1/4" DIAMETER STRANDED CABLE WHERE VERTICAL HANGER DROP LENGTH EXCEEDS 24"OD. PROVIDE INSERTS IN AREAS OF PIPING SUPPORTS ARE SPECIFIED WITH THE PIPING WEIGHTS DESIGNED INTO THE JOISTS AS DESIGNATED WHERE TRAPEZE HANGERS DO NOT HIT WITHIN 6" OF A JOIST PANEL POINT WELDED AS SPECIFIED. REFER TO DETAIL Q/S1106 CONTRACTOR SHALL VERIFY AND PROVIDE THE FULL EXTENT OF THE REQUIRED HYDRONIC PIPING SUPPORT SYSTEM.

19) INDICATES "LCX" LOCATION OF FACE FIELD WELDED ANGLE BRACE 3 X 3 X 1/4 IN THE PLANE OF THE BOTTOM CHORD OF THE JOISTS FOR COLUMN BRACE MEMBERS TO BOTTOM CHORD OF JOISTS AND TO A TAB PLATE 1/2" X 6" X 6" SHOP WELDED TO COLUMN FACE REFER TO DETAIL Z/S1107.

20) PROVIDE 5" MINIMUM DEPTH EXTENDED ENDS OF JOISTS OVER EXPOSED STEEL BEARING WALLS AT EAVES AND RAKES FOR ROOFING OF 300 LB PER LINEAL FOOT APPLIED UPWARD OR DOWNWARD. REFER TO DETAILS D/S1107 AND W/S1107. COORDINATE ALL JOIST BEARING DEPTHS WITH THE STEEL AND JOIST MANUFACTURER.

21) INDICATES ROOF PITCH. VERIFY WITH ARCHITECTURAL DRAWINGS.

22) INDICATES TOP OF ROOF DECK ELEVATION AT RIDGE (BOTTOM OF ROOF DECK)ABOVE MAIN FINISH FIRST FLOOR. REFER TO ARCHITECTURAL DRAWINGS FOR FINISH FLOOR ELEVATION.

23) REFER TO DETAIL Z/S1107 AT "BCX" AT HIGH END SUPPORT WITH CANTILEVERED JOIST EXTENDED END.

24) REFER TO DETAIL D/S1107 AT LCX AT HIGH END SUPPORT AT EAVE.

25) REFER TO DETAIL C/S1107 AT "BCX" AT HIGH END SUPPORT AT RIDGE.

26) REFER TO DETAIL C/S1107 AT "BCX" AT HIGH END SUPPORT AT RIDGE.

27) INDICATES DIRECTION OF SPAN FOR 1.5" TYPE "B" METAL ROOF DECK. REFER TO GENERAL NOTES.

ADDITIONAL KEYNOTES FOR SHEET S406

28) "SLCX" AT DEEP JOIST GIRDER INDICATES A SPECIAL "LCX" OF TWO ANGLES 3 X 3 X 1/4 IN THE PLANE OF THE BOTTOM CHORD OF THE DEEP JOIST AND TO THE JOIST GIRDER BOTTOM CHORD. REFER TO DETAIL Z/S1107.

29) "CXB" INDICATES C12X20.7 FIELD WELDED TO COLUMN AND BOTTOM CHORD OF JOISTS. REFER TO DETAILS J/S1107 AND K/S1107. PROVIDE FILLER PLATE AT COLUMN FLANGE AS REQUIRED WHERE IF C12 LOCATIONS DO NOT OCCUR AT JOIST BOTTOM CHORD PANEL POINT.

30) "PH" INDICATES LOCATION OF PLATFORM HANGERS. REFER TO DETAILS W/S1106 AND X/S1106.

31) "CPE" INDICATES 3/4" CONNECTION FABRICATED FROM 1/2" PLATE WELDED TO JOIST BOTTOM CHORD EXTENSION AT MINIMUM THICKNESS PLATES. REFER TO DETAIL C/S1108 AS WELL.

32) CURVED BEAMS SHALL BE ROLLED HARDWAY TO PROPER RADIUS AS SHOWN ON CURVED BEAM DIMENSIONAL DRAWINGS. CURVED BEAMS SHALL BE FABRICATED WITH A LEVEL SEGMENT FOR MAKING THE CONNECTION TO THE SUPPORTING W12'S. REFER TO CURVED BEAM DETAILS. CURVED BEAMS TO BE CONNECTED TO SUPPORTING W12 CANTILEVERED BEAMS.

33) INDICATES TWO CONTINUOUS 1/4" BENT PLATES AT EAVE FIELD WELDED TO JOIST TOP CHORD EXTENSIONS BELOW.

34) TRIM BOTTOM FLANGE OF W24 AS REQUIRED TO CONCEAL WITHIN THE CANOPY SOFFIT.

35) TRIM BOTTOM FLANGE OF W12 AS REQUIRED TO CONCEAL WITHIN THE CANOPY SOFFIT.

36) "EJ" INDICATES 2" EXPANSION JOINT BETWEEN ENDS OF ANGLES AT CENTER LINE OF FIRE WALL.

37) CONTINUOUS ROLLED ANGLE 4" X 3" X 1/4 AT EDGE OF GABLE FIELD WELDED TO OUTRIGGERS - REFER TO DETAIL Z/S1107. FIELD WELD METAL ROOF DECK TO THE GABLE EDGE ANGLE WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.

38) INDICATES TWO CONTINUOUS 1/4" BENT PLATES AT EAVE FIELD WELDED TO JOIST TOP CHORD EXTENSIONS AND BOTTOM BEAM CANTILEVERED BEAMS. REFER TO DETAILS B/S1107 AND N/S1107. REFER TO TYPICAL DETAILS FOR ROOF DECK TO THE TOP BENT PLATE WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.

39) INDICATES TWO CONTINUOUS 1/4" BENT PLATES AT EAVE FIELD WELDED TO JOIST TOP CHORD EXTENSIONS AND BOTTOM BEAM CANTILEVERED BEAMS. REFER TO DETAILS B/S1107 AND N/S1107. REFER TO TYPICAL DETAILS FOR ROOF DECK TO THE TOP BENT PLATE WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.

40) CONTINUOUS ANGLE 4" X 4" X 1/4 AT EDGE OF GABLE FIELD WELDED TO OUTRIGGERS - REFER TO DETAIL Z/S1107. FIELD WELD METAL ROOF DECK TO THE GABLE EDGE ANGLE WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.

41) SUPPORT AT HIGH END OF CANOPY ROOF. FIELD WELD BENT PLATES WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC AND JOIST TOP CHORDS. FIELD WELD METAL ROOF DECK TO BENT PLATE WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.

42) CONTINUOUS ANGLE 4" X 4" X 1/4 AT EDGE OF GABLE FIELD WELDED TO OUTRIGGERS - REFER TO DETAIL Z/S1107. FIELD WELD METAL ROOF DECK TO THE GABLE EDGE ANGLE WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC. REFER TO DRAWINGS FOR DETAILS OF ROOFING JOINT AGAINST HIGH WALL.

43) CONTINUOUS CURVED BENT VALLEY PLATE. FIELD WELD VALLEY PLATE TO JOIST TOP CHORD EXTENSIONS AND BEAM WITH 5/16" FILLET WELDS. FIELD WELD METAL ROOF DECK CUT ON BIAS TO BENT PLATE WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.

44) FIELD TRIM AND FIELD WELD FULLY CURVED VALLEY BENT PLATE TO CURVED RIDGE BENT PLATE TOGETHER AT CORNERS. REFER TO DETAIL Z/S1107 AS WELL.

45) SUPPORT METAL ROOF DECK AT ROOF EAVE. INDICATES HSS2X2X0.250 RECTANGULAR TUBE HSS2X2X0.250 FROM BOTTOM FLANGE OF CONTINUOUS CANTILEVER BEAM TO BOTTOM FLANGE OF CANOPY BEAM WITH PL2X6X1/4 PLATES AT EACH END FULLY WELDED. REFER TO DETAILS OF KNEEBRACE DIAGONAL TENSION BRACING BOTH SIDES OF TRAPEZE TO ROOF STRUCTURE AT VERTICAL HANGER DROP LENGTH EXCEEDS 24"OD. REFER TO MECHANICAL DRAWINGS FOR FULL EXTEND OF TRAPEZE PIPING SUPPORT SYSTEM.

46) INDICATES 4" X 8" SMOKE VENTS. REFER TO DETAIL S/S1106 FOR CURB DETAILS. REFER TO MECHANICAL AND ARCHITECTURAL DRAWINGS SMOKE VENT LOCATION AND DETAILS.

47) INDICATES LOCATION OF CATWALK HANGERS. REFER TO DETAIL.

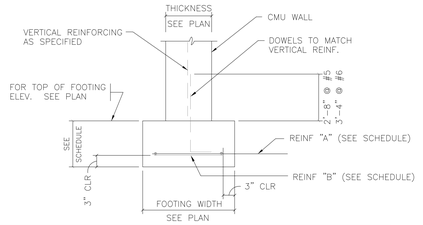
48) C12X20.7 FIELD WELDED TO COLUMN AND BOTTOM CHORD OF JOISTS. REFER TO DETAILS J/S1107 AND K/S1107. PROVIDE FILLER PLATE AT COLUMN FLANGE AS REQUIRED WHERE IF C12 LOCATIONS DO REINFORCING AS NOTED IN DETAIL Q/S1106 IF C12 LOCATIONS DO NOT OCCUR AT JOIST BOTTOM CHORD PANEL POINT WITHING 6" OF JOIST PANEL BOTTOM CHORD PANEL POINT

49) CONTINUOUS 1/4" X 12" BENT VALLEY PLATE FIELD WELDED TO TOP CHORD EXTENSIONS AT VALLEY. REFER TO DETAILS B/S1107 AND N/S1107. FIELD WELD METAL ROOF DECK FROM GABLE CUT ON BIAS TO VALLEY PLATE WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC. REFER TO DETAIL V/S1106. PROVIDE METAL ROOF DECK UNDER THE GABLE OVERBUILD AREA. REFER TO DETAIL V/S1106 FOR ADDITIONAL INSTALLATION OF BENT VALLEY PLATE AND CUT AT VALLEY FOR INSTALLATION OF BENT VALLEY PLATE.

50) CONTINUOUS 1/4" X 12" BENT VALLEY PLATE FIELD WELDED TO TOP CHORD EXTENSIONS AT VALLEY. REFER TO DETAILS B/S1107 AND N/S1107. FIELD WELD METAL ROOF DECK FROM GABLE CUT ON BIAS TO VALLEY PLATE WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC. REFER TO DETAIL V/S1106. PROVIDE METAL ROOF DECK UNDER THE GABLE OVERBUILD AREA. REFER TO DETAIL V/S1106 FOR ADDITIONAL INSTALLATION OF BENT VALLEY PLATE AND CUT AT VALLEY FOR INSTALLATION OF BENT VALLEY PLATE.

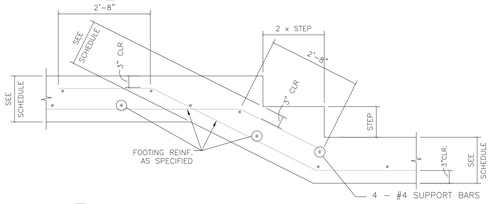
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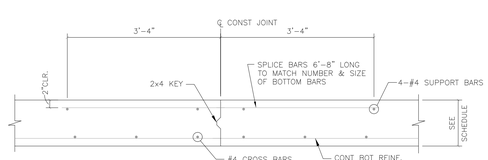


WALL FOOTING SCHEDULE					
DESIGNATION	WIDTH	THICKNESS	REINF "A"	REINF "B"	REMARKS
WF24	24"	12"	3- #5 CONT	#4 AT 24"	
WF30	30"	12"	4- #5 CONT	#4 AT 16"	
WF34	34"	12"	4- #5 CONT	#4 AT 16"	
WF36	36"	12"	5- #6 CONT	#5 AT 16"	
WF40	40"	16"	6- #6 CONT	#5 AT 12"	
WF42	42"	16"	6- #6 CONT	#5 AT 12"	
WF46	46"	16"	7- #6 CONT	#6 AT 16"	
WF54	54"	18"	7- #7 CONT	#6 AT 16"	

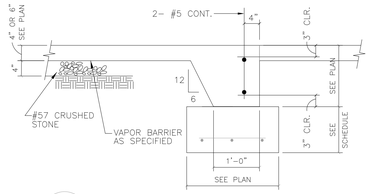
K S1101 WALL FOOTING SCHEDULE 3/4" =1'-0"



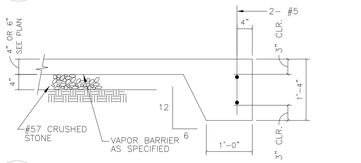
V S1101 TYPICAL STEPPED FOOTING DETAIL 3/4" =1'-0"



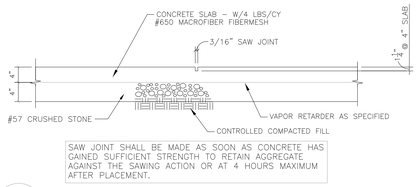
X S1101 TYPICAL WALL FOOTING CONSTRUCTION JOINT DETAIL 3/4" =1'-0"



Y S1101 TYPICAL TURNED DOWN SLAB EDGE AT WALL FOOTING 3/4" =1'-0"

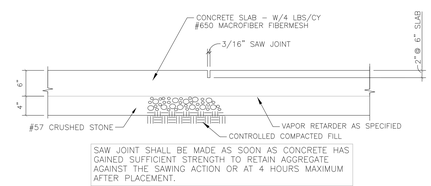


N S1101 TYPICAL TURNDOWN SLAB EDGE 3/4" =1'-0"



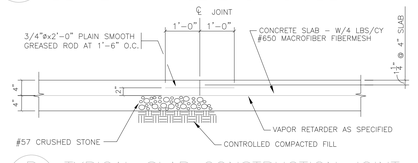
SAW JOINT SHALL BE MADE AS SOON AS CONCRETE HAS GAINED SUFFICIENT STRENGTH TO RETAIN AGGREGATE AGAINST THE SAWING ACTION OR AT 4 HOURS MAXIMUM AFTER PLACEMENT.

A S1101 TYPICAL SLAB CRACK CONTROL DETAIL AT 4" SLAB ON GRADE NO SCALE

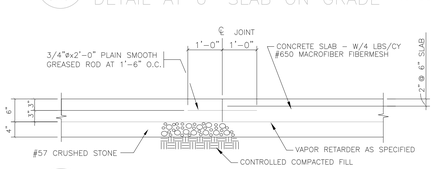


SAW JOINT SHALL BE MADE AS SOON AS CONCRETE HAS GAINED SUFFICIENT STRENGTH TO RETAIN AGGREGATE AGAINST THE SAWING ACTION OR AT 4 HOURS MAXIMUM AFTER PLACEMENT.

C S1101 TYPICAL SLAB CRACK CONTROL DETAIL AT 6" SLAB ON GRADE NO SCALE



B S1101 TYPICAL SLAB CONSTRUCTION JOINT DETAIL AT 4" SLAB ON GRADE NO SCALE



D S1101 TYPICAL SLAB CONSTRUCTION JOINT DETAIL AT 6" SLAB ON GRADE NO SCALE

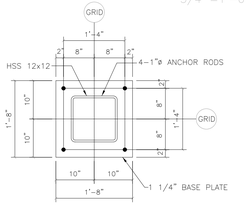
KEYNOTES FOR DETAIL E/S1101
1) CONTINUOUS WALL FOOTING. REFER TO DETAIL K/S1101.
2) FINISH FLOOR SLAB.
3) 8" CMU WYTHE.
4) VERTICAL WALL REINFORCING AS SPECIFIED.
5) DOWELS FROM FOOTING TO MATCH VERTICAL WALL REINFORCING.
6) BRICK VENEER. REFER TO ARCHITECTURAL DRAWINGS FOR ALL BRICK VENEER DETAILS.
7) TYPICAL HORIZONTAL JOINT REINFORCING WITH BRICK TIE SPACED AT 16"OC VERTICALLY. REFER TO DETAIL H/S1101.
8) REFER TO DETAIL K/S1101 FOR CONTINUOUS LONGITUDINAL REINFORCING IN WALL FOOTING.
9) REFER TO DETAIL K/S1101 FOR TRANSVERSE REINFORCING IN WALL FOOTING.
10) FINISH GRADE. REFER TO ARCHITECTURAL DRAWINGS.
11) GROUT CAVITY 100% SOLID WITH 3000 PSI CONCRETE BELOW WALL FLASHING. REFER TO ARCHITECTURAL DRAWINGS FOR ALL FLASHING DETAILS.
12) WEEPS. REFER TO ARCHITECTURAL DRAWINGS.
13) COLUMN FOOTING BEYOND.
14) 1/4" EXPANSION JOINT MATERIAL BETWEEN FLOOR SLAB AND CMU WALL.
15) TYPICAL SLAB REINFORCING AS SPECIFIED.

KEYNOTES FOR DETAIL F/S1101
1) CONTINUOUS WALL FOOTING. REFER TO DETAIL K/S1101.
2) FINISH FLOOR SLAB.
3) 8" CMU WALL.
4) VERTICAL WALL REINFORCING AS SPECIFIED.
5) DOWELS FROM FOOTING TO MATCH VERTICAL WALL REINFORCING.
6) TYPICAL HORIZONTAL JOINT REINFORCING SPACED AT 16" OC VERTICALLY. REFER TO DETAIL L/S1101.
7) REFER TO DETAIL K/S1101 FOR CONTINUOUS LONGITUDINAL REINFORCING IN WALL FOOTING.
8) REFER TO DETAIL K/S1101 FOR TRANSVERSE REINFORCING IN WALL FOOTING.
9) 1/4" EXPANSION JOINT MATERIAL.
10) COLUMN FOOTING BEYOND AS APPLICABLE.

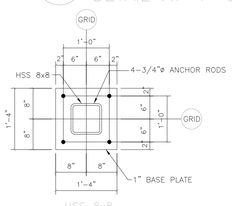
KEYNOTES FOR DETAIL G/S1101
1) CONTINUOUS WALL FOOTING. REFER TO DETAIL K/S1101.
2) FINISH FLOOR SLAB.
3) 12" CMU WYTHE.
4) VERTICAL WALL REINFORCING AS SPECIFIED.
5) DOWELS FROM FOOTING TO MATCH VERTICAL WALL REINFORCING.
6) TYPICAL HORIZONTAL JOINT REINFORCING SPACED AT 16" OC VERTICALLY. REFER TO DETAIL L/S1101.
7) REFER TO DETAIL K/S1101 FOR CONTINUOUS LONGITUDINAL REINFORCING IN WALL FOOTING.
8) REFER TO DETAIL K/S1101 FOR TRANSVERSE REINFORCING IN WALL FOOTING.
9) 1/4" EXPANSION JOINT MATERIAL.
10) COLUMN FOOTING BEYOND AS APPLICABLE.

KEYNOTES FOR DETAIL H/S1101
1) CONTINUOUS WALL FOOTING. REFER TO DETAIL K/S1101.
2) FINISH FLOOR SLAB.
3) 12" CMU WYTHE.
4) VERTICAL WALL REINFORCING AS SPECIFIED.
5) DOWELS FROM FOOTING TO MATCH VERTICAL WALL REINFORCING.
6) BRICK VENEER. REFER TO ARCHITECTURAL DRAWINGS FOR ALL BRICK VENEER DETAILS.
7) TYPICAL HORIZONTAL JOINT REINFORCING WITH BRICK TIE SPACED AT 16"OC VERTICALLY. REFER TO DETAIL H/S1101.
8) REFER TO DETAIL K/S1101 FOR CONTINUOUS LONGITUDINAL REINFORCING IN WALL FOOTING.
9) REFER TO DETAIL K/S1101 FOR TRANSVERSE REINFORCING IN WALL FOOTING.
10) FINISH GRADE. REFER TO ARCHITECTURAL DRAWINGS.
11) GROUT CAVITY 100% SOLID WITH 3000 PSI CONCRETE BELOW WALL FLASHING. REFER TO ARCHITECTURAL DRAWINGS FOR ALL FLASHING DETAILS.
12) WEEPS. REFER TO ARCHITECTURAL DRAWINGS.
13) COLUMN FOOTING BEYOND.
14) 1/4" EXPANSION JOINT MATERIAL

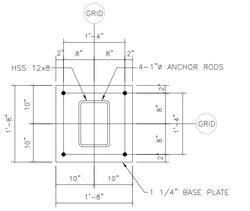
KEYNOTES FOR DETAIL P/S1101
1) CONTINUOUS WALL FOOTING. REFER TO DETAIL K/S1101.
2) FINISH FLOOR SLAB.
3) 8" CMU WALL.
4) VERTICAL WALL REINFORCING AS SPECIFIED.
5) DOWELS FROM FOOTING TO MATCH VERTICAL WALL REINFORCING.
6) TYPICAL HORIZONTAL JOINT REINFORCING SPACED AT 16" OC VERTICALLY. REFER TO DETAIL L/S1101.
7) REFER TO DETAIL K/S1101 FOR CONTINUOUS LONGITUDINAL REINFORCING IN WALL FOOTING.
8) REFER TO DETAIL K/S1101 FOR TRANSVERSE REINFORCING IN WALL FOOTING.
9) COLUMN FOOTING BEYOND AS APPLICABLE.



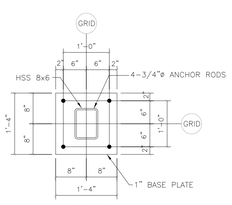
HSS 12x12



HSS 8x8

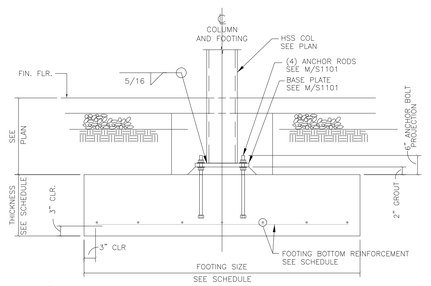


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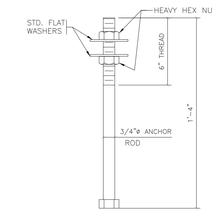


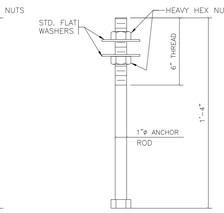
HSS 8x6

M S1101 TYPICAL COLUMN ANCHOR ROD SETTING TEMPLATES 3/4" =1'-0"

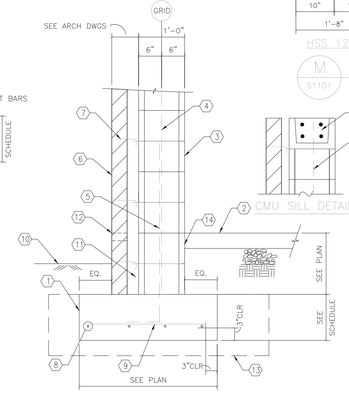


R S1101 TYPICAL HSS COLUMN FOOTING DETAIL N.T.S.

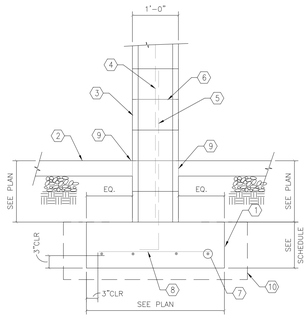




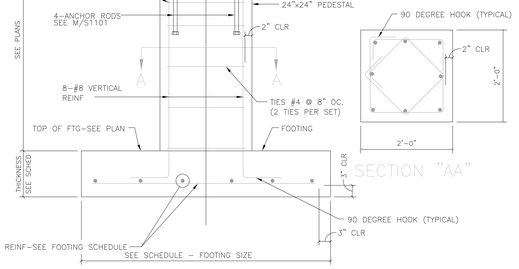
U S1101 TYPICAL COLUMN ANCHOR ROD DETAILS 3/4"=1'-0"



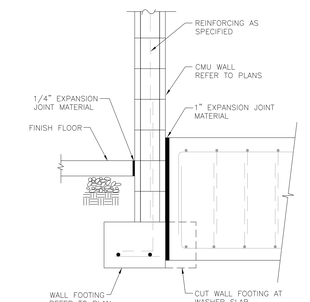
J S1101 TYPICAL EXTERIOR WALL FOOTING DETAIL AT BRICK VENEER & 12" CMU WALL 3/4"=1'-0"



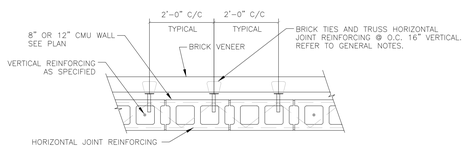
I S1101 TYPICAL INTERIOR 12" CMU WALL RIBBON FOOTING DETAIL 3/4"=1'-0"



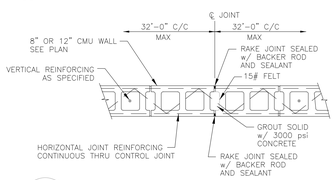
N S1101 TYPICAL 24" COLUMN PEDESTAL DETAIL 3/4" =1'-0"



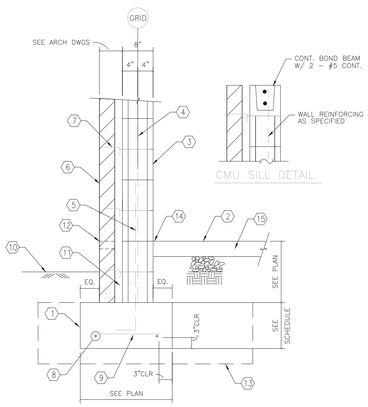
G S1101 TYPICAL SECTION AT LAUNDRY WASHER FOUNDATION AT CMU WALL 3/4"=1'-0"



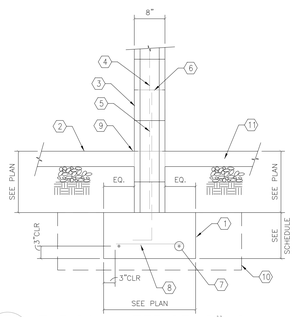
H S1101 TYPICAL EXTERIOR MASONRY WALL REINFORCING DETAIL NO SCALE



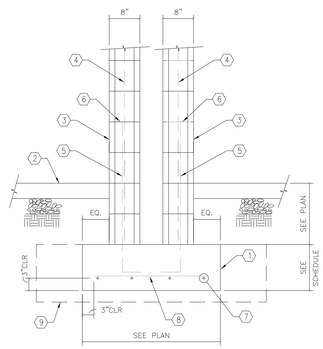
L S1101 TYPICAL CMU WALL CONTROL JOINT DETAIL NO SCALE



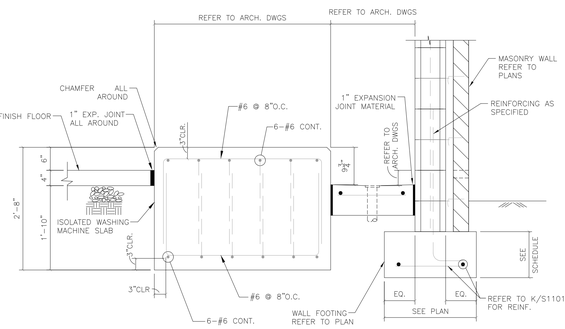
E S1101 TYPICAL EXTERIOR WALL FOOTING DETAIL AT BRICK VENEER & 8" CMU WALL 3/4"=1'-0"



F S1101 TYPICAL INTERIOR 8" CMU WALL RIBBON FOOTING DETAIL 3/4"=1'-0"



P S1101 TYPICAL INTERIOR CMU CHASE WALL FOOTING DETAIL 3/4"=1'-0"



Q S1101 TYPICAL SECTION AT LAUNDRY WASHER FOUNDATION AT DRAIN 3/4" =1'-0"

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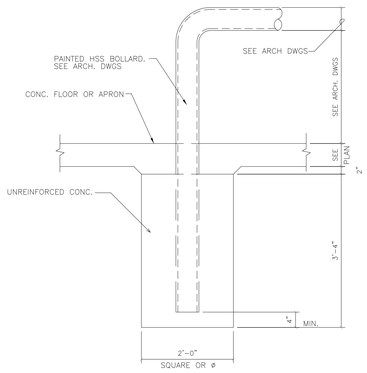
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New Bertie High School

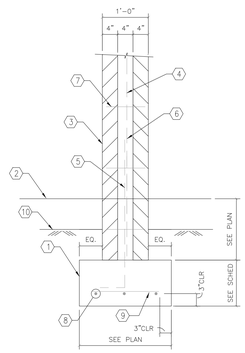
Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

Project No. 21131
Date: 28 March 2012
Drawing no. S 110

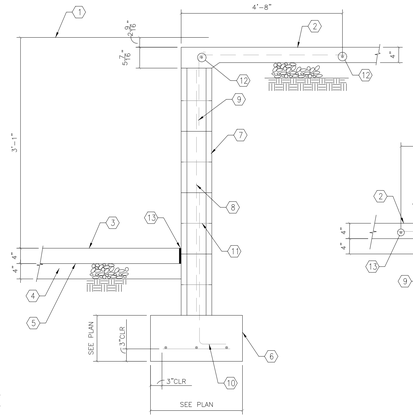
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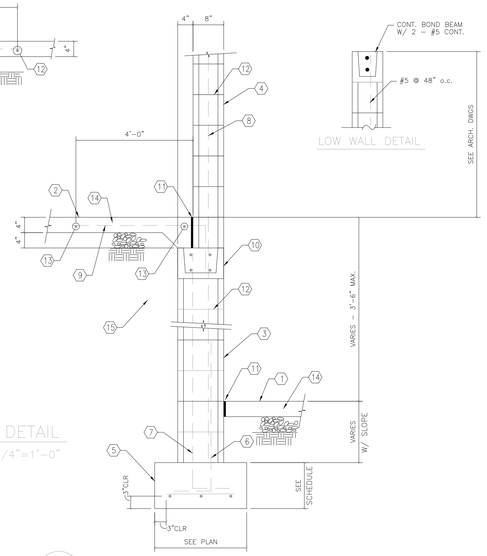
A S1102 TYPICAL PIPE BOLLARD DETAIL 3/4"=1'-0"



K S1102 TYPICAL FOOTING AT 12" BRICK SCREEN WALLS 3/4"=1'-0"

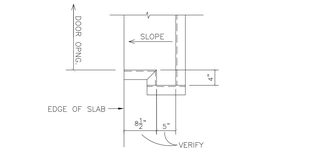


S S1102 TYPICAL STAGE FRONT WALL DETAIL 3/4"=1'-0"

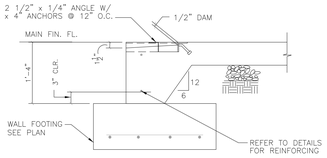


B S1102 TYPICAL SECTION AT STEPPED DOWN FLOOR SLAB LOCATION 3/4"=1'-0"

LOW WALL DETAIL

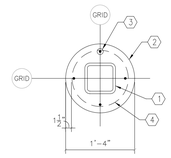


PLAN



VERIFY w/ DOOR SHOP DRAWINGS

T S1102 TYPICAL OVERHEAD DOOR SILL ANGLE DETAIL 3/4"=1'-0"



W S1102 TYPICAL CONCRETE ENCASED HSS 8x8 COLUMN DETAIL 3/4"=1'-0"

KEYNOTES FOR DETAIL B/S1102

1) SLOPING FINISH FLOOR SLAB OF AUDITORIUM. REFER TO ARCHITECTURAL DRAWINGS.
2) MAIN FINISH FIRST FLOOR SLAB.
3) 12" CMU FOUNDATION WALL FILLED 100% SOLID WITH 3000 PSI CONCRETE. PROVIDE ADEQUATE TEMPORARY BRACING FOR WALL UNTIL THE FIRST FLOOR SLAB IS IN PLACE AND HAS REACHED 3000 PSI COMPRESSIVE STRENGTH.
4) 8" CMU WALL. REFER TO ARCHITECTURAL DRAWINGS. FILL CELLS AT BARS W/ 3000 p.s.i. CONCRETE.
5) CONTINUOUS RIBBON FOOTING. SEE PLAN.
6) MATCHING DOWELS FOR MAIN VERTICAL REBARS AS SPECIFIED.
7) #6 DOWELS SPACED AT 32" OC UP TO 12" CONTINUOUS BOND BEAM.
8) MAIN VERTICAL REINFORCING BARS AS SPECIFIED.
9) #4 TIEBACKS SPACED AT 32" OC.
10) CONTINUOUS 12" X 8" BOND BEAM WITH 2 – #5 CONTINUOUS TOP AND BOTTOM BARS.
11) 1/4" PRE-MOULDED EXPANSION JOINT FILLER FOR BOND BREAK.
12) HEAVY DUTY TRUSS TYPE GALVANIZED HORIZONTAL JOINT REINFORCING AS SPECIFIED.
13) 1– #4 CONTINUOUS SUPPORT BAR.
14) TYPICAL SLAB REINFORCING AS SPECIFIED. REFER TO DETAIL A/S1101 AND C/S1101.
15) CONTROLLED COMPACTED FILL AS SPECIFIED. PROVIDE ADEQUATE TEMPORARY BRACING FOR 12" CMU WALL UNTIL THE FIRST FLOOR SLAB IS IN PLACE AND HAS REACHED 3000 PSI COMPRESSIVE STRENGTH.

KEYNOTES FOR DETAIL C/S1102

1) HSS COLUMN.
2) 1" CAP PLATE.
3) STEEL GIRDER. REFER TO PLAN.
4) 1/2" STIFFENER PLATES BOTH SIDES.

KEYNOTES FOR DETAIL E/S1102

1) 3" DEEP METAL ROOF DECK.
2) W BEAM. REFER TO PLANS.
3) 1/2" SEAT PLATE.
4) 1/2" STIFFENER PLATE.
5) BEARING ASSEMBLY TO BE SHOP WELDED FULLY.
6) STEEL GIRDER.
7) HSS 3x3x1/4 OUTRIGGERS. REFER TO PLAN.

KEYNOTES FOR DETAIL F/S1102

1) STEEL BEAM. REFER TO PLANS.
2) HSS COLUMN. REFER TO PLANS.
3) ANGLE 7 x 4 x 3/8" WRAPPED TO OPPOSITE SIDE OF BEAM WEB.
4) DOUBLE ROW 3/4" DIAMETER A325 BOLTS.
5) CLIP ANGLE 4 X 4 X 3/8 X 0'-6" FIELD WELDED TO TOP FLANGE AND TO COLUMN.
6) CLIP ANGLE 4 X 4 X 3/8 X 0'-6" FIELD WELDED TO BOTTOM FLANGE AND TO COLUMN.

KEYNOTES FOR DETAIL G/S1102

1) COLUMN. REFER TO PLAN.
2) STEEL BEAM.
3) 1" CAP PLATE.
4) 1/2" STIFFENER PLATES BOTH SIDES.

KEYNOTES FOR DETAIL K/S1102

1) CONTINUOUS WALL FOOTING. REFER TO DETAIL K/S1101.
2) FINISH FLOOR LINE.
3) 12" BRICK WALL. REFER TO ARCHITECTURAL DRAWINGS.
4) VERTICAL WALL REINFORCING AS SPECIFIED.
5) DOWELS FROM FOOTING TO MATCH VERTICAL WALL REINFORCING.
6) GROUT CAVITY 100% SOLID. REFER TO ARCHITECTURAL DRAWINGS.
7) TYPICAL HORIZONTAL JOINT REINFORCING SPACED AT 16"OC VERTICALLY.
8) REFER TO DETAIL K/S1101 FOR CONTINUOUS LONGITUDINAL REINFORCING IN WALL FOOTING.
9) REFER TO DETAIL K/S1101 FOR TRANSVERSE REINFORCING IN WALL FOOTING.
10) FINISH GRADE. REFER TO ARCHITECTURAL DRAWINGS.

KEYNOTES FOR DETAIL L/S1102

1) CONTINUOUS WALL FOOTING. REFER TO DETAIL K/S1101.
2) FINISH FLOOR SLAB AS APPLICABLE.
3) 8" CMU WYTHE.
4) VERTICAL WALL REINFORCING AS SPECIFIED.
5) DOWELS FROM FOOTING TO MATCH VERTICAL WALL REINFORCING.
6) BRICK VENEER. REFER TO ARCHITECTURAL DRAWINGS FOR ALL BRICK VENEER DETAILS.
7) TYPICAL HORIZONTAL JOINT REINFORCING WITH BRICK TIE SPACED AT 16" OC VERTICALLY. REFER TO DETAIL H/S1101 AS SIMILAR.
8) REFER TO DETAIL K/S1101 FOR CONTINUOUS LONGITUDINAL REINFORCING IN WALL FOOTING.
9) REFER TO DETAIL K/S1101 FOR TRANSVERSE REINFORCING IN WALL FOOTING.
10) SLAB ON GRADE. REFER TO ARCHITECTURAL DRAWINGS.
11) 1/4" EXPANSION JOINT MATERIAL BOND BREAK.
12) 1" X 1" CHAMFER. REFER TO ARCHITECTURAL DRAWINGS.
13) COLUMN FOOTING BEYOND.
14) SLOPE SLAB TO DRAIN AS REQUIRED.
15) #4 @ 12" OC ALL AROUND.
16) 3 – #5 CONTINUOUS ALL AROUND.
17) 2 – #5 CONTINUOUS.
18) #4 @ 12" OC ALL AROUND.
19) 6 x 6 x W2.9 x W2.9 WWF AT MIDDEPTH OF SLAB.
20) 1/4" EXPANSION JOINT MATERIAL.

KEYNOTES FOR DETAIL M/S1102

1) HSS POST.
2) 3/4" BASE PLATE.
3) STEEL GIRDER. REFER TO PLAN.
4) 1/2" STIFFENER PLATES BOTH SIDES.

KEYNOTES FOR DETAIL N/S1102

1) W BEAM.
2) BEAM TO BE FIELD WELDED FULLY TO CAP PLATE.
3) 1" CAP PLATE.
4) 1/2" STIFFENER PLATE EACH SIDE.
5) HSS BUILDING COLUMN.

KEYNOTES FOR DETAIL O/S1102

1) HSS COLUMN. REFER TO PLANS.
2) STEEL ROOF GIRDER. REFER TO PLANS.
3) 1/2" FULL HEIGHT STIFFENERS. WELD FULLY WITH 1/4" FILLET WELDING.
4) STANDARD DOUBLE ANGLE 3 X 3 X 5/16 CLIP ANGLES. REFER TO DETAIL D/S1105. USE 1/4" FILLET WELDING.
5) 1" COLUMN CAP PLATE. PROVIDE 5/16" FILLET WELDING ALL AROUND TO COLUMN SHAFT.

KEYNOTES FOR DETAIL P/S1102

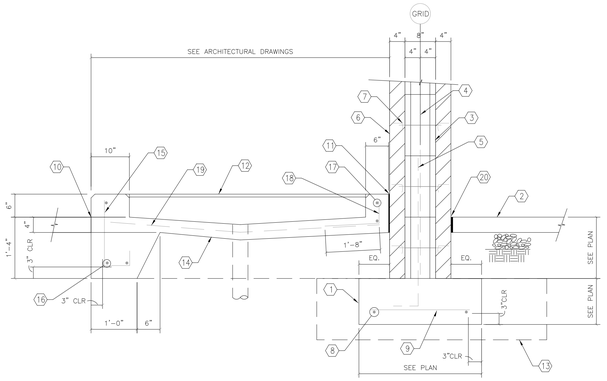
1) HSS COLUMN. REFER TO PLANS.
2) STEEL GIRDER. REFER TO PLANS.
3) STEEL JOIST GIRDER. REFER TO PLANS.
4) 1" BOTTOM CHORD STABILIZER PLATE.
5) 1/2" FULL HEIGHT STIFFENERS. WELD FULLY WITH 1/4" FILLET WELDING.
6) 1" SEAT PLATE.
7) JOIST FIELD BOLTED AT COLUMN AS APPLICABLE.
8) 1" COLUMN CAP PLATE. PROVIDE 5/16" FILLET WELDING ALL AROUND TO COLUMN SHAFT.

KEYNOTES FOR DETAIL S/S1102

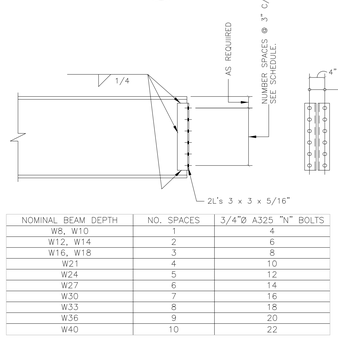
1) MAIN FINISH FLOOR ELEVATION.
2) STAGE FLOOR SLAB DEPRESSED FOR SPECIAL CUSHIONED WOOD FLOOR SYSTEM. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS.
3) LOW AUDITORIUM FLOOR AT STAGE AREA.
4) 4" LAYER #57 STONE.
5) VAPOR BARRIER.
6) CONTINUOUS WALL FOOTING . REFER TO DETAIL K/S1101.
7) 8" CMU WALL. GROUT 100% SOLID WITH 3000 PSI CONCRETE.
8) #5 VERTICAL BARS SPACED AT 32" OC.
9) #4 TIEBACK BARS SPACED AT 32" OC.
10) DOWELS TO MATCH VERTICAL WALL REINFORCING.
11) HORIZONTAL JOINT REINFORCING AS SPECIFIED.
12) #4 CONTINUOUS SUPPORT BARS.
13) 1/4" EXPANSION JOINT MATERIAL.

KEYNOTES FOR DETAIL W/S1102

1) HSS COLUMN. DO NOT PAINT AT CONCRETE ENCASEMENT. REFER TO PLANS FOR SIZE.
2) 16" DIAMETER CIRCULAR CONCRETE ENCASEMENT WITH HAND RUBBED FINISH. REFER TO ARCHITECTURAL DRAWINGS.
3) 4 – #5 VERTICAL BARS FROM TOP OF BASEPLATE TO TOP OF CONCRETE ENCASEMENT.
4) #3 CIRCULAR SPIRAL HOOP TIES WITH 6" PITCH. LAP SPLICES (IF REQUIRED) 6".

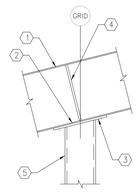


L S1102 TYPICAL EXTERIOR WALL FOOTING DETAIL AT CAN WASH 3/4"=1'-0"

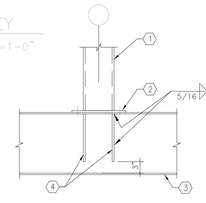


NOMINAL BEAM DEPTH	NO. SPACES	3/4"Ø A325 "N" BOLTS
W8, W10	1	4
W12, W14	2	6
W16, W18	3	8
W21	4	10
W24	5	12
W27	6	14
W30	7	16
W33	8	18
W36	9	20
W40	10	22

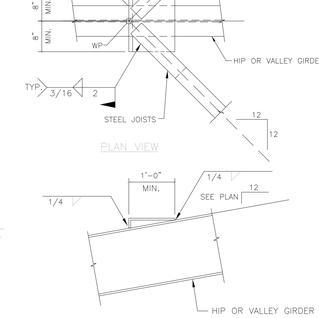
D S1102 TYPICAL BEAM CONNECTION SCHEDULE 3/4"=1'-0"



N S1102 TYPICAL CONTINUOUS HIP OR VALLEY GIRDER TO COLUMN CONNECTION 3/4"=1'-0"



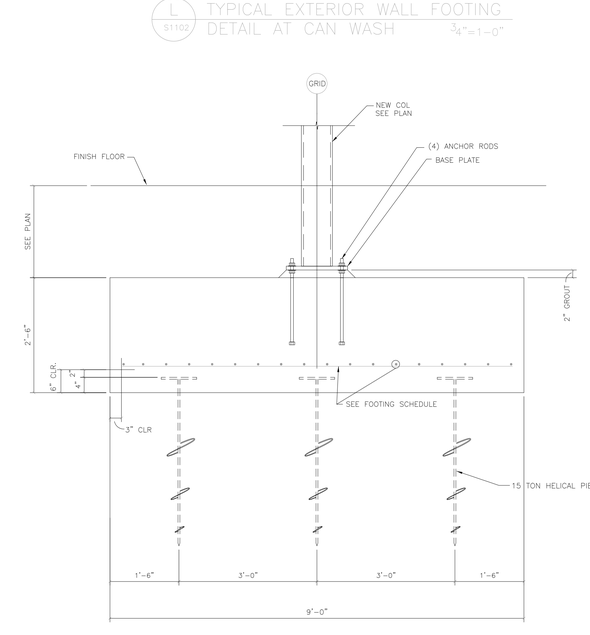
M S1102 TYPICAL POST TO BEAM CONNECTION DETAIL 3/4"=1'-0"



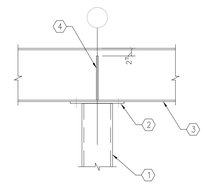
PLAN VIEW

ELEVATION VIEW

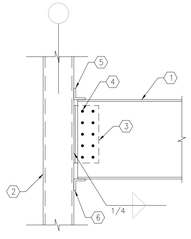
G S1102 TYPICAL LEVEL SEAT DETAIL AT HIP AND VALLEY GIRDERS 3/4"=1'-0"



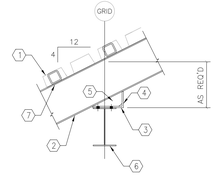
J S1102 TYPICAL COLUMN FOOTING DETAIL W/ HELICAL PIERS AT COLUMN FOOTING TYPES "H" AND "K" NO SCALE



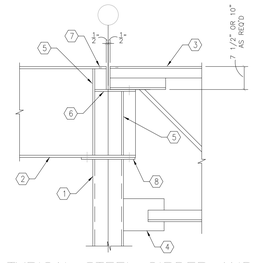
C S1102 TYPICAL CONTINUOUS BEAM TO COLUMN CONNECTION 3/4"=1'-0"



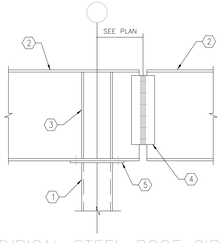
F S1102 TYPICAL INTERMEDIATE LEVEL BEAM CONNECTION TO HSS COLUMN 3/4"=1'-0"



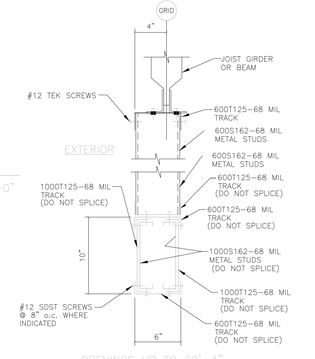
E S1102 TYPICAL RAFTER BENT BEAM TO GIRDER CONNECTION AT 100 UNIT CANOPY 3/4"=1'-0"



P S1102 TYPICAL STEEL GIRDER AND JOIST GIRDER TO COLUMN CONNECTION DETAIL 3/4"=1'-0"

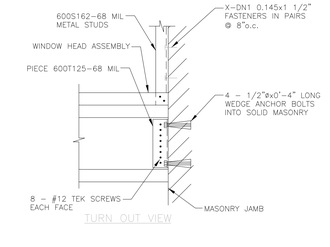


O S1102 TYPICAL STEEL ROOF GIRDER TO COLUMN CONNECTION DETAIL 3/4"=1'-0"



EXTERIOR

OPENINGS UP TO 20'-4"



TURN OUT VIEW

B S1102 TYPICAL WINDOW HEAD DETAILS 1 1/2"=1'-0"

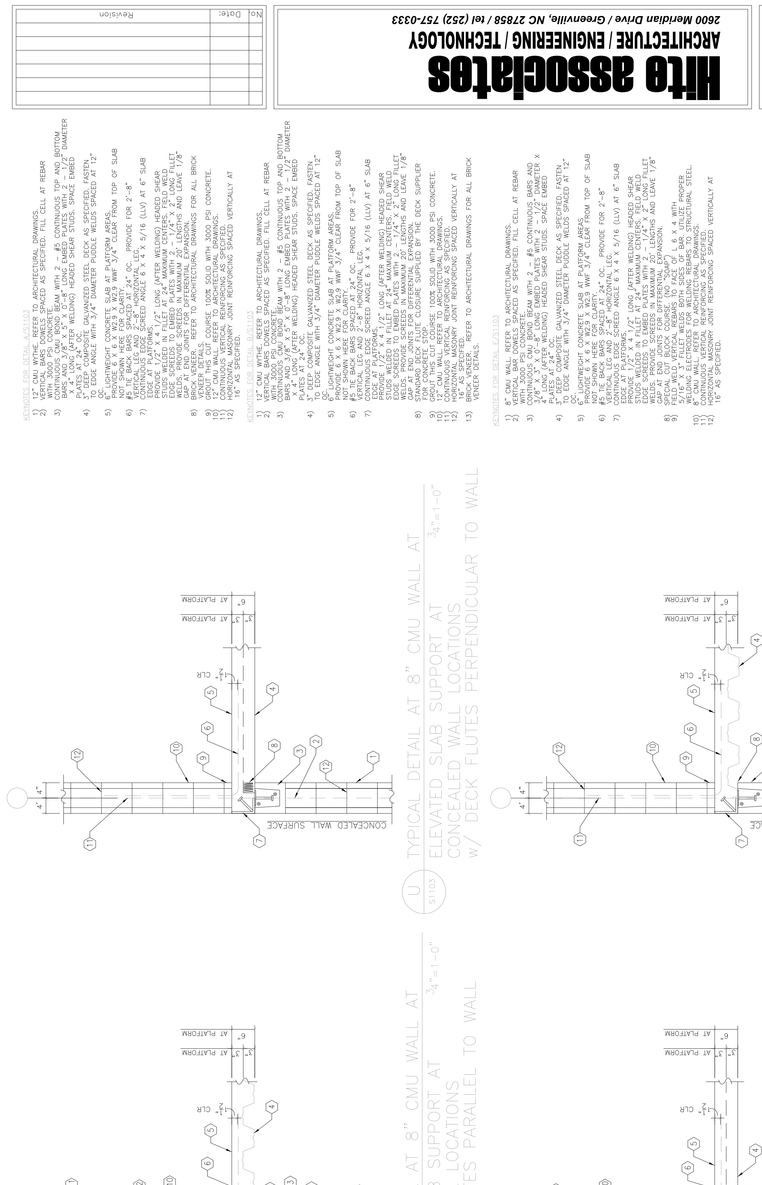
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Bertie County Schools
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Windsor / Bertie County / North Carolina

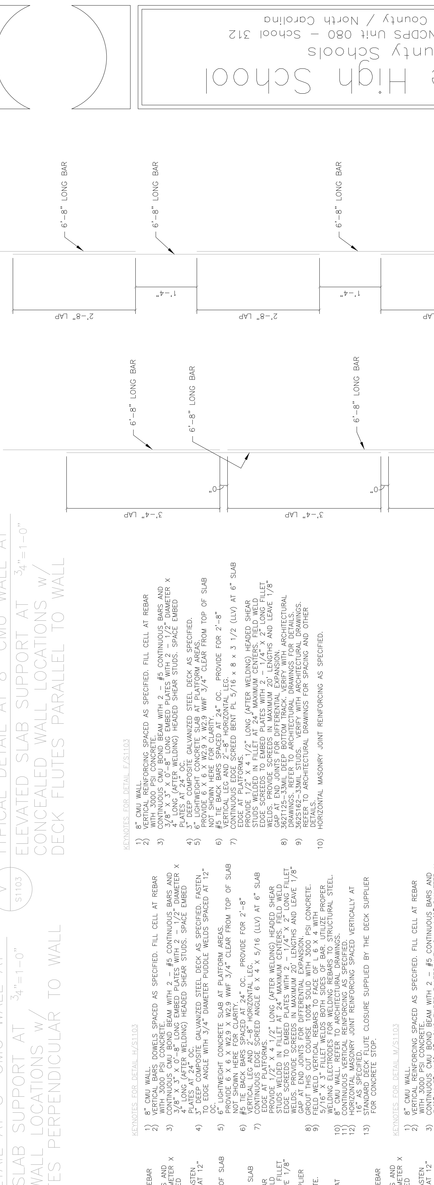
No.	Date:	Revision

Project No. 21131
Date: 28 March 2012
Drawing no. S1102



KEYNOTES FOR DETAIL A/S1103

1) 8" CMU WALL.
2) VERTICAL REINFORCING SPACED AS SPECIFIED. FILL CELL AT REBAR WITH 3000 PSI CONCRETE.
3) CONTINUOUS CMU BOND BEAM WITH 2 – #5 CONTINUOUS BARS AND 3/16" X 2" X 0'-8" LONG EMBED PLATES WITH 2 – 1/2" DIAMETER X 4" LONG (AFTER WELDING) HEADED SHEAR STUDS. SPACE EMBED PLATES AT 24" OC.
4) 3" DEEP COMPOSITE GALVANIZED STEEL DECK AS SPECIFIED. FASTEN TO EDGE ANGLE WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 12" OC.
5) 6" LIGHTWEIGHT CONCRETE SLAB AT PLATFORM AREAS. PROVIDE 6" X 6" X W2.9 X W2.9 WWF 3/4" CLEAR FROM TOP OF SLAB AT EXPOSED SURFACE.
6) #5 TIE BACK BARS SPACED AT 24" OC. PROVIDE FOR 2'-8" CONTINUOUS EDGE SCREED ANGLE 6" X 4" X 5/16 (LLV) AT 6" SLAB EDGE AT PLATFORMS.
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102) HORIZONTAL MASONRY JOINT REINFORCING SPACED VERTICALLY AT 16" AS SPECIFIED.
103) BRICK VENEER. REFER TO ARCHITECTURAL DRAWINGS FOR ALL BRICK VENEER DETAILS.



#6 WALL REINFORCING

#5 WALL REINFORCING

S1103 C TYPICAL CMU WALL VERTICAL REBAR LAP SPLICE ARRANGEMENT 3/4"=1'-0"

JDA Engineers, P.A.
1019 Passport Way
Cary, NC 27513
(919) 677-3004

Hite associates
ARCHITECTURE / ENGINEERING / TECHNOLOGY
2600 Meridian Drive / Greenville, NC 27858 / tel (252) 757-0333

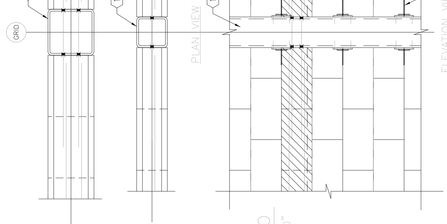
No.	Date:	Revision

New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 – School 312
Windsor / Bertie County / North Carolina

Project No: 21131
Date: 28 March 2012
Drawing No: S 1103

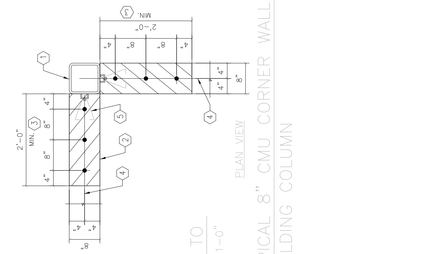
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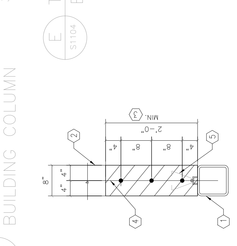
A S1104 TYPICAL 12" CMU IN-LINE WALL TIE TO BUILDING COLUMN 3/4"=1'-0"

B S1104 TYPICAL 12" CMU WALL TIE TO BUILDING COLUMN 3/4"=1'-0"

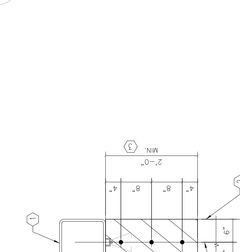


C S1104 TYPICAL 8" CMU WALL IN-LINE WALL TIE TO BUILDING COLUMN 3/4"=1'-0"

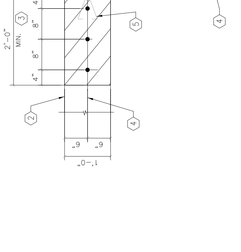
D S1104 TYPICAL 12" CMU CORNER WALL TIE TO BUILDING COLUMN 3/4"=1'-0"



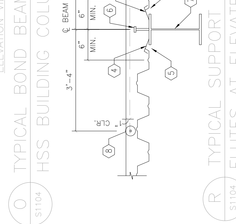
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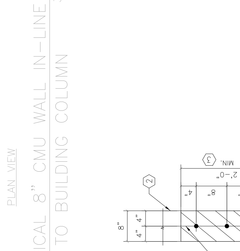
G S1104 TYPICAL ELEVATED PLATFORM SLAB EDGE DETAIL PARALLEL TO DECK FLUTES W/ EDGE BEAM 3/4"=1'-0"



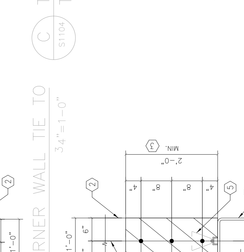
H S1104 TYPICAL HSS COLUMN TIE TO PLATFORM SLAB 3/4"=1'-0"



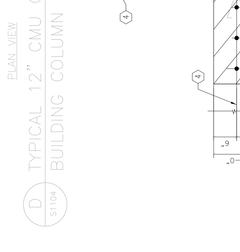
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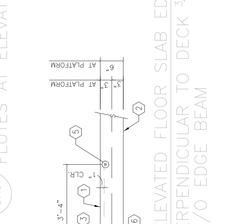
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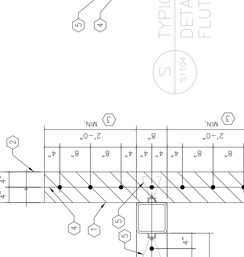
K S1104 TYPICAL ELEVATED FLOOR SLAB EDGE DETAIL PARALLEL TO DECK FLUTES W/O EDGE BEAM 3/4"=1'-0"



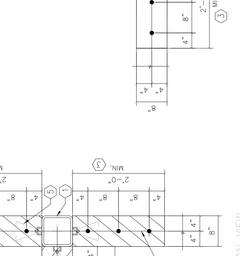
L S1104 TYPICAL 8" CMU WALL TIE TO BUILDING COLUMN 3/4"=1'-0"



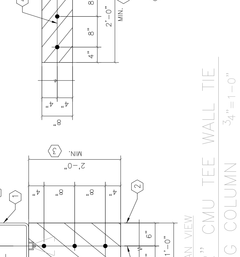
M S1104 TYPICAL CMU LOAD BEARING WALL DETAIL AT ELEVATED SLAB 3/4"=1'-0"



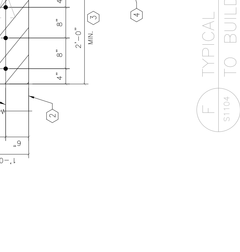
N S1104 TYPICAL 8" TO 12" CMU CORNER WALL TIE TO BUILDING COLUMN 3/4"=1'-0"



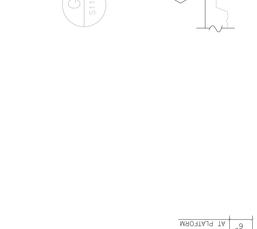
O S1104 TYPICAL BOND BEAM DETAIL AT HSS BUILDING COLUMN 3/4"=1'-0"



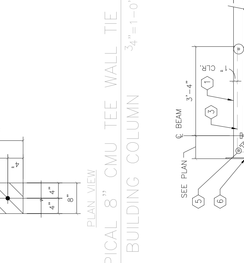
P S1104 TYPICAL ELEVATED FLOOR SLAB SUPPORT BEAM AT CHANGE OF DECK SPAN DIRECTION 3/4"=1'-0"



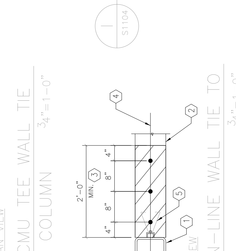
Q S1104 TYPICAL SUPPORT BEAM PERPENDICULAR TO DECK FLUTES AT ELEVATED FLOOR SLABS 3/4"=1'-0"



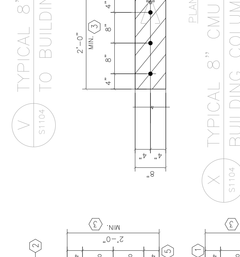
R S1104 TYPICAL SUPPORT BEAM PARALLEL WITH DECK FLUTES AT ELEVATED FLOOR SLABS 3/4"=1'-0"



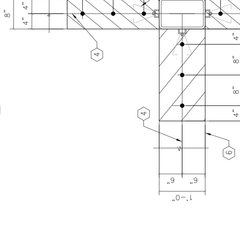
S S1104 TYPICAL ELEVATED FLOOR SLAB EDGE DETAIL PERPENDICULAR TO DECK FLUTES W/O EDGE BEAM 3/4"=1'-0"



T S1104 TYPICAL ELEVATED FLOOR SLAB EDGE DETAIL PARALLEL TO DECK FLUTES W/O EDGE BEAM 3/4"=1'-0"



U S1104 TYPICAL ELEVATED FLOOR SLAB EDGE DETAIL PERPENDICULAR TO DECK FLUTES W/ EDGE BEAM 3/4"=1'-0"



V S1104 TYPICAL 8" CMU TEE WALL TIE TO BUILDING COLUMN 3/4"=1'-0"

W S1104 TYPICAL 8" CMU IN-LINE WALL TIE TO BUILDING COLUMN 3/4"=1'-0"

X S1104 TYPICAL 8" CMU IN-LINE WALL TIE TO BUILDING COLUMN 3/4"=1'-0"

Y S1104 TYPICAL 8" TO 12" CMU TEE WALL TIE TO BUILDING COLUMN 3/4"=1'-0"

Z S1104 TYPICAL CMU PARTITION WALL ON ELEVATED FLOOR SLAB 3/4"=1'-0"

AA S1104 TYPICAL STRONG POSITION FOR SHEAR STUDS IN DECK FLUTES 3/4"=1'-0"

BB S1104 TYPICAL FLOOR DECK DIRECTION CHANGE OVER CMU BEARING WALL OR SHEAR WALL 3/4"=1'-0"

CC S1104 TYPICAL 8" TO 12" CMU CORNER WALL TIE TO BUILDING COLUMN 3/4"=1'-0"

DD S1104 TYPICAL 8" CMU WALL TIE TO BUILDING COLUMN 3/4"=1'-0"

EE S1104 TYPICAL 8" CMU WALL TIE TO BUILDING COLUMN 3/4"=1'-0"

JDA Engineers, P.A.
1019 Passport Way
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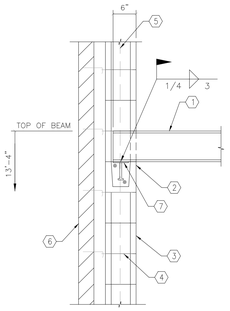
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No.	Date:	Revision

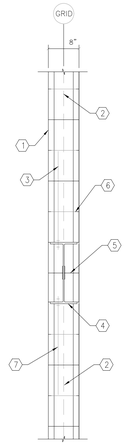
New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 – School 312
Windsor / Bertie County / North Carolina

Project No. 21131
Date: 28 March 2012
Drawing No. S 1104

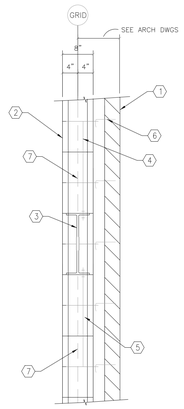
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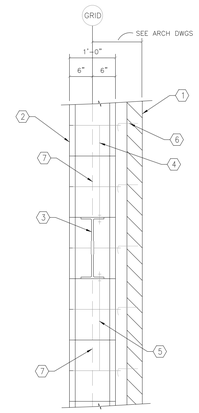
E S1105 TYPICAL BOILER ROOM GRIDIRON BEAM BEARING ON EXTERIOR WALL 3/4"=1'-0"



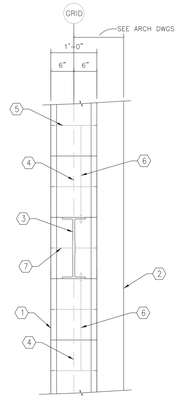
N S1105 TYPICAL BEAM EMBEDDED IN INTERIOR 8" CMU WALL 3/4"=1'-0"



Q S1105 TYPICAL EMBEDDED BEAM DETAIL IN EXTERIOR 8" CMU WALL WITH BRICK VENEER 3/4"=1'-0"



P S1105 TYPICAL EMBEDDED BEAM DETAIL IN EXTERIOR 12" CMU WALL WITH BRICK VENEER 3/4"=1'-0"



M S1105 TYPICAL EMBEDDED BEAM DETAIL IN EXTERIOR 12" CMU WALL WITH EIFS 3/4"=1'-0"

KEYNOTES FOR DETAIL C/S1105

1) 8" CMU WALL.
2) VERTICAL REINFORCING AS SPECIFIED.
3) 3/4" DIAMETER X 3'-0" LONG ALL THREAD RODS BOLTED TO TOP FLANGE OF BEAM SPACED AT 24" OC.
4) W16 BEAM AND PLATE. REFER TO PLAN.
5) ADJUSTABLE MASONRY TIES AT 32" OC BOTH SIDES OF BEAM WEB.
6) HORIZONTAL MASONRY JOINT REINFORCING AS SPECIFIED.
7) ADJUSTABLE MASONRY WALL TIES. REFER TO GENERAL NOTES.
8) BRICK VENEER.

KEYNOTES FOR DETAIL Q/S1105

1) 12" CMU WYTHE
2) VERTICAL REINFORCING AS SPECIFIED.
3) 3/4" DIAMETER X 3'-0" LONG ALL THREAD RODS BOLTED TO TOP FLANGE OF BEAM SPACED AT 24" OC.
4) W8 BEAM AND PLATE. REFER TO PLAN.
5) ADJUSTABLE MASONRY TIES AT 32" OC BOTH SIDES OF BEAM WEB.
6) HORIZONTAL MASONRY JOINT REINFORCING AS SPECIFIED.
7) ADJUSTABLE MASONRY WALL TIES. REFER TO GENERAL NOTES.
8) BRICK VENEER.

KEYNOTES FOR DETAIL E/S1105

1) W8 GRID IRON BEAM IN BOILER ROOM. FILL WALL SOLID FOR 8" EACH SIDE OF BEAM.
2) CONTINUOUS 8" X 8" BOND BEAM ALL AROUND BOILER ROOM AT GRID IRON BEARING WITH 1 – #5 CONTINUOUS TOP AND BOTTOM.
3) 8" CMU WYTHE.
4) TYPICAL HORIZONTAL JOINT REINFORCING WITH BRICK TIE SPACED AT 16"OC VERTICALLY. REFER TO DETAIL H/S1101.
5) VERTICAL REINFORCING AS SPECIFIED.
6) BRICK VENEER. REFER TO ARCHITECTURAL DRAWINGS FOR ALL BRICK VENEER DETAILS.
7) PROVIDE EMBED PLATE 1/2" X 3" X 1'-0" W/ 2 – 1/2" X 4" LONG HEADED SHEAR STUDS AT EACH GRID IRON BEAM BEARING LOCATION.

KEYNOTES FOR DETAIL L/S1105

1) W8 GRID IRON BEAM IN BOILER ROOM. FILL WALL SOLID FOR 8" EACH SIDE OF BEAM.
2) CONTINUOUS 8" X 8" BOND BEAM ALL AROUND BOILER ROOM AT GRID IRON BEARING WITH 1 – #5 CONTINUOUS TOP AND BOTTOM.
3) 8" CMU WYTHE.
4) TYPICAL HORIZONTAL JOINT REINFORCING SPACED AT 16" OC VERTICALLY. REFER TO DETAIL L/S1101.
5) PROVIDE EMBED PLATE 1/2" X 3" X 1'-0" W/ 2 – 1/2" X 4" LONG HEADED SHEAR STUDS AT EACH GRID IRON BEAM BEARING LOCATION.

KEYNOTES FOR DETAIL D/S1105

1) 8" CMU WALL.
2) VERTICAL REINFORCING AS SPECIFIED.
3) 3/4" DIAMETER X 3'-0" LONG ALL THREAD RODS BOLTED TO TOP FLANGE OF BEAM SPACED AT 24" OC.
4) W16 BEAM. REFER TO PLAN.
5) ADJUSTABLE MASONRY TIES AT 32" OC BOTH SIDES OF BEAM WEB.
6) HORIZONTAL MASONRY JOINT REINFORCING AS SPECIFIED.

KEYNOTES FOR DETAIL H/S1105

1) 8" CMU WALL.
2) VERTICAL REINFORCING AS SPECIFIED.
3) 3/4" DIAMETER X 3'-0" LONG ALL THREAD RODS BOLTED TO TOP FLANGE OF BEAM SPACED AT 24" OC.
4) W8 BEAM. REFER TO PLAN.
5) ADJUSTABLE MASONRY TIES AT 32" OC BOTH SIDES OF BEAM WEB.
6) HORIZONTAL MASONRY JOINT REINFORCING AS SPECIFIED.

KEYNOTES FOR DETAIL I/S1105

1) 12" CMU WYTHE
2) VERTICAL REINFORCING AS SPECIFIED.
3) 3/4" DIAMETER X 3'-0" LONG ALL THREAD RODS BOLTED TO TOP FLANGE OF BEAM SPACED AT 24" OC.
4) W16 BEAM AND PLATE. REFER TO PLAN.
5) ADJUSTABLE MASONRY TIES AT 32" OC BOTH SIDES OF BEAM WEB.
6) HORIZONTAL MASONRY JOINT REINFORCING AS SPECIFIED.
7) ADJUSTABLE MASONRY WALL TIES. REFER TO GENERAL NOTES.
8) BRICK VENEER.

KEYNOTES FOR DETAIL J/S1105

1) 8" CMU WALL.
2) REINFORCING AS SPECIFIED.
3) 3/4" DIAMETER X 3'-6" LONG ALL THREAD RODS BOLTED TO TOP FLANGE OF BEAM SPACED AT 24" OC.
4) W8 BEAM AND PLATE. REFER TO PLAN.
5) MASONRY TIE.
6) ADJUSTABLE MASONRY WALL TIES. REFER TO GENERAL NOTES.

KEYNOTES FOR DETAIL K/S1105

1) 12" CMU WYTHE
2) VERTICAL REINFORCING AS SPECIFIED.
3) 3/4" DIAMETER X 3'-0" LONG ALL THREAD RODS BOLTED TO TOP FLANGE OF BEAM SPACED AT 24" OC.
4) W16 BEAM AND PLATE. REFER TO PLAN.
5) ADJUSTABLE MASONRY TIES AT 32" OC BOTH SIDES OF BEAM WEB.
6) HORIZONTAL MASONRY JOINT REINFORCING AS SPECIFIED.

KEYNOTES FOR DETAIL M/S1105

1) 12" CMU EXTERIOR WALL.
2) EFIS WALL FINISH. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS.
3) EMBEDDED STEEL BEAM. REFER TO PLANS.
4) VERTICAL WALL REINFORCING AS SPECIFIED.
5) TYPICAL HORIZONTAL MASONRY JOINT REINFORCING AS SPECIFIED AT 12" CMU WALLS.
6) 3/4" DIAMETER X 2'-0" LONG ALL THREAD DOWELS SPACED AT 24" OC AS SPECIFIED.
7) ADJUSTABLE WALL TIES AS SPECIFIED TO BOTH SIDES OF BEAM WEB.

KEYNOTES FOR DETAIL N/S1105

1) 8" CMU WALL.
2) VERTICAL REINFORCING AS SPECIFIED.
3) 3/4" DIAMETER X 3'-0" LONG ALL THREAD RODS BOLTED TO TOP FLANGE OF BEAM SPACED AT 24" OC.
4) W16 BEAM. REFER TO PLAN.
5) ADJUSTABLE MASONRY TIES AT 32" OC BOTH SIDES OF BEAM WEB.
6) HORIZONTAL MASONRY JOINT REINFORCING AS SPECIFIED.
7) 3/4" DIAMETER X 3'-0" LONG ALL THREAD RODS BOLTED TO BOTTOM FLANGE OF BEAM SPACED AT 24" OC.

KEYNOTES FOR DETAIL O/S1105

1) 8" CMU FREESTANDING FIREWALL WALL. DO NOT CONNECT OR BOND ANY OTHER STRUCTURAL ELEMENTS TO THE FIREWALL. TYPICAL AT ALL FIREWALLS.
2) PROVIDE #8 VERTICAL REINFORCING SPACED AT 24" OC FULL HEIGHT.
3) TYPICAL HORIZONTAL MASONRY JOINT REINFORCING AS SPECIFIED AT 12" CMU WALLS.
4) TYPICAL HORIZONTAL MASONRY JOINT REINFORCING AS SPECIFIED AT 8" CMU WALLS.
5) EMBEDDED STEEL BEAM. REFER TO PLANS.
6) ADJUSTABLE WALL TIES AS SPECIFIED TO BOTH SIDES OF BEAM WEB.
7) 3/4" DIAMETER X 2'-0" LONG ALL THREAD DOWELS SPACED AT 24" OC AS SPECIFIED AT TOP FLANGE OF BEAM.
8) 3/4" DIAMETER X 2'-0" LONG ALL THREAD DOWELS SPACED AT 24" OC AS SPECIFIED AT BOTTOM FLANGE OF BEAM.

KEYNOTES FOR DETAIL P/S1105

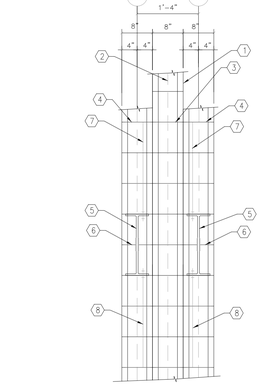
1) BRICK VENEER. REFER TO ARCHITECTURAL DRAWING FOR ALL BRICK VENEER DETAILS.
2) 12" CMU WYTHE AT EXTERIOR WALL.
3) EMBEDDED STEEL BEAM. REFER TO PLANS.
4) 3/4" DIAMETER X 2'-0" LONG ALL THREAD DOWELS SPACED AT 24" OC AS SPECIFIED AT TOP FLANGE OF BEAM.
5) 3/4" DIAMETER X 2'-0" LONG ALL THREAD DOWELS SPACED AT 24" OC AS SPECIFIED AT BOTTOM FLANGE OF BEAM.
6) MASONRY WALL TIES AS SPECIFIED.
7) VERTICAL WALL REINFORCING AS SPECIFIED.

KEYNOTES FOR DETAIL Q/S1105

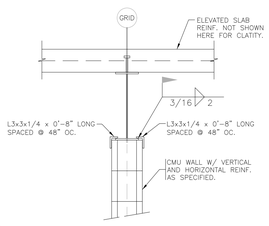
1) BRICK VENEER. REFER TO ARCHITECTURAL DRAWING FOR ALL BRICK VENEER DETAILS.
2) 8" CMU WYTHE AT EXTERIOR WALL.
3) EMBEDDED STEEL BEAM. REFER TO PLANS.
4) 3/4" DIAMETER X 2'-0" LONG ALL THREAD DOWELS SPACED AT 24" OC AS SPECIFIED AT TOP FLANGE OF BEAM.
5) 3/4" DIAMETER X 2'-0" LONG ALL THREAD DOWELS SPACED AT 24" OC AS SPECIFIED AT BOTTOM FLANGE OF BEAM.
6) MASONRY WALL TIES AS SPECIFIED.
7) VERTICAL WALL REINFORCING AS SPECIFIED.

KEYNOTES FOR DETAIL S/S1105

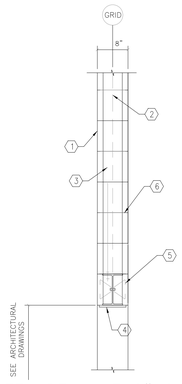
1) 8" CMU WALL.
2) VERTICAL REINFORCING AS SPECIFIED.
3) 3/4" DIAMETER X 3'-0" LONG ALL THREAD RODS BOLTED TO TOP FLANGE OF BEAM SPACED AT 24" OC.
4) W12 BEAM AND PLATE. REFER TO PLAN.
5) ADJUSTABLE MASONRY TIES AT 32" OC BOTH SIDES OF BEAM WEB.
6) HORIZONTAL MASONRY JOINT REINFORCING AS SPECIFIED.
7) SOLID BRICK INFILL.
8) BRICK VENEER.
9) SOLID CMU INFILL.



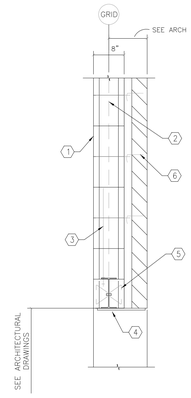
O S1105 TYPICAL EMBEDDED BEAM DETAIL IN 8" CMU WALLS AT FIREWALL 3/4"=1'-0"



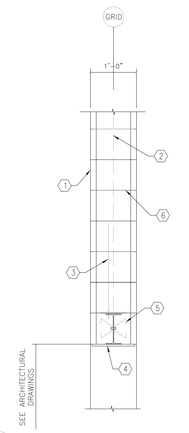
R S1105 TYPICAL WALL ANCHORAGE TO BOT FLANGE OF BEAM 3/4"=1'-0"



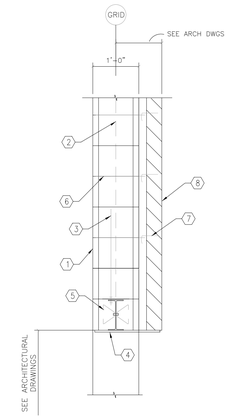
G S1105 W16 LINTEL BEAM AT 8" CMU WALL 3/4"=1'-0"



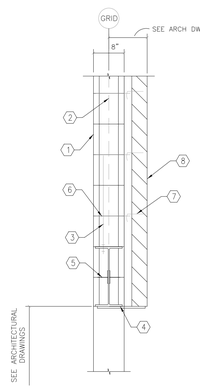
C S1105 W16 LINTEL BEAM AT 8" CMU AND BRICK VENEER WALL 3/4"=1'-0"



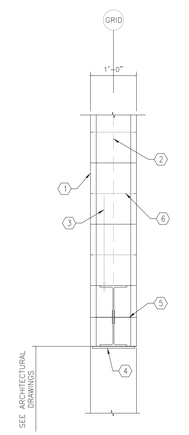
K S1105 W16 LINTEL BEAM AT 12" CMU WALL 3/4"=1'-0"



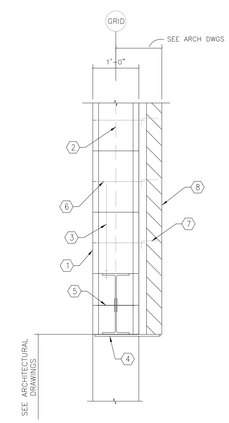
I S1105 W16 LINTEL BEAM AT 12" CMU AND BRICK VENEER WALL 3/4"=1'-0"

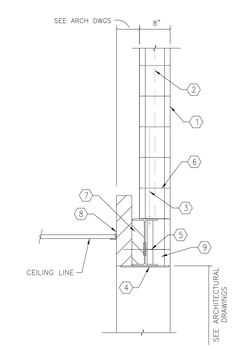


L S1105 W8 LINTEL BEAM AT 12" CMU WALL 3/4"=1'-0"



D S1105 W8 LINTEL BEAM AT 12" CMU AND BRICK VENEER WALL 3/4"=1'-0"





S S1105 W12 LINTEL BEAM AT 8" CMU AND BRICK VENEER WALL 3/4"=1'-0"

No.	Date	Revision

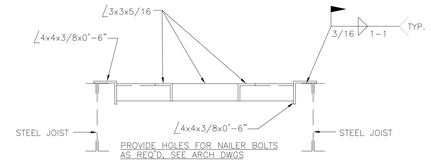
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New Bertie High School
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Project No. 21131
Date: 28 March 2012
Drawing no. S 1105

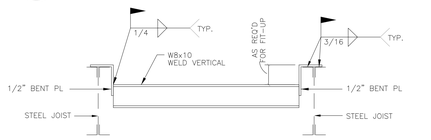
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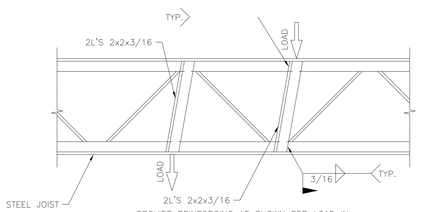
PROVIDE HOLES FOR NAILER BOLTS AS REQ'D, SEE ARCH DWGS

PROVIDE FRAME FOR ALL ROOF OPENINGS LARGER THAN 12"X12" (144 SQ. IN.) FIELD LOCATE AS REQUIRED

S S1106 TYPICAL ROOF OPENING FRAME DETAIL SCALE: N.T.S.

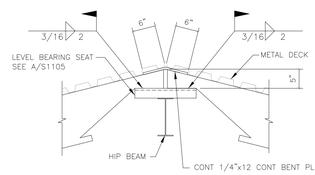


F S1106 TYPICAL ROOF JOIST HEADER DETAIL SCALE: N.T.S.

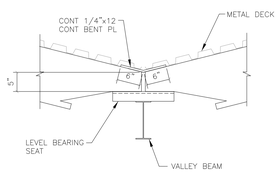


PROVIDE REINFORCING AS SHOWN FOR LOAD IN EXCESS OF 200 LBS.

Q S1106 TYPICAL JOIST REINFORCEMENT AT CONCENTRATED LOADS AWAY FROM JOIST PANEL POINTS SCALE: N.T.S.

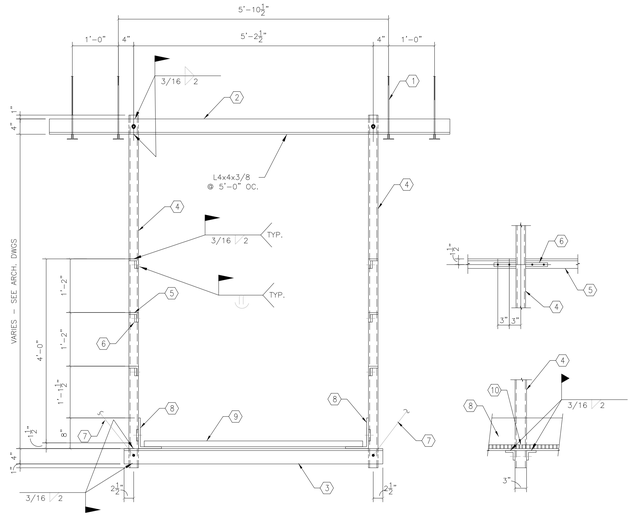


HIP BEAM



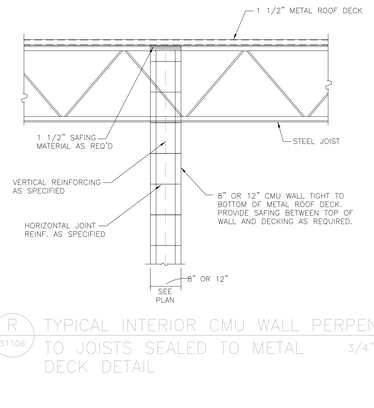
VALLEY BEAM

B S1106 TYPICAL JOIST BEARING ON LEVEL SEAT AT HIP & VALLEY BEAMS 3/4" = 1'-0"



N S1106 TYPICAL CATWALK DETAIL AT 400 UNIT 3/4" = 1'-0"

P S1106 TYPICAL INTERIOR CMU WALL PARALLEL TO JOISTS SEALED TO METAL DECK DETAIL 3/4" = 1'-0"



R S1106 TYPICAL INTERIOR CMU WALL PERPENDICULAR TO JOISTS SEALED TO METAL DECK DETAIL 3/4" = 1'-0"

KEYNOTES FOR DETAIL N/S1106

1) MAIN ROOF JOISTS. REFER TO PLAN.
2) 2L's 4x4x3/8 SPACED AT 5'-0" OC. FIELD WELD TO TOP OF BOTTOM CHORD MEMBERS. PROVIDE JOIST WEB REINFORCING AS PER DETAIL Q/S1106.
3) 2L's 4x4x1/4 SPACED AT 5'-0" OC.
4) HSS 3X3x1/4 HANGERS AT 5'-0" OC.
5) L 3x3x1/4 RAILINGS. VERIFY WITH ARCHITECTURAL DRAWINGS.
6) 3/8" X 2 1/2" CONNECTOR PLATE WITH 2 - 3/4" DIA A325 BOLTS.
7) 1/4" DIA STRANDED CABLE BRACE TO ROOF JOISTS. PROVIDE BRACE AT 20'MAXIMUM INTERVALS BOTH SIDES.
8) L 8x6x1/2 CONTINUOUS RUNNER SUPPORT ANGLES.
9) BANDED BAR GRATING WITH 1 X 1/8 BEARING BARS SPACED AT 1 3/16" O.C.
10) FIELD WELD GRATING TO SUPPORT ANGLES AND TO EACH OTHER AT 6" o.c.

KEYNOTES FOR DETAIL T/S1106

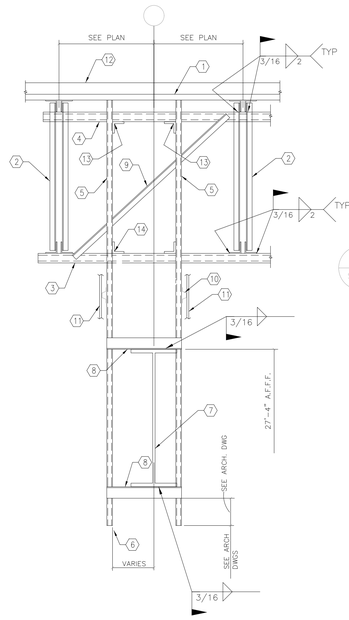
1) 1 1/2" METAL ROOF DECK.
2) STEEL JOISTS. REFER TO ROOF FRAMING PLAN.
3) HSS 2.5 X 2.5 X 0.250 AT BOTTOM CHORD SPACED AT 36" OC IN LINE WITH VERTICAL TUBING FIELD WELDED TO EACH JOIST.
4) HSS 2.5 X 2.5 X 0.250 AT TOP CHORD SPACED AT 36" OC IN LINE WITH VERTICAL TUBING FIELD WELDED TO EACH JOIST.
5) HSS 2.5 X 2.5 X 0.250 AT 36" OC.
6) SPACE FOR ELECTRICALLY OPERATED PROJECTION SCREEN. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS.
7) W36 PROSCENIUM GIRDER. REFER TO PLAN.
8) ANGLE 3 X 3 X 1/4 AT 36" OC FIELD WELDED TO W36 AND HSS's.
9) DIAGONAL ANGLE 3 X 3 X 1/4 AT 36" OC FIELD WELDED TO HSS's.
10) 7/8" X 20 GAGE HAT CHANNELS SPACED AT 24" OC MAXIMUM FOR SUPPORT OF GYPSUM WALL BOARD. REFER TO ARCHITECTURAL DRAWINGS.
11) GYPSUM WALL BOARD PANELS. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS.
12) ROOF INSULATION. REFER TO ARCHITECTURAL DRAWINGS. METAL STANDING SEAM ROOF PANELS NOT SHOWN FOR CLARITY.
13) CONTINUOUS ANGLE 2 X 2 X 1/4. FIELD WELD TO HORIZONTAL VERTICAL AND HSS's WITH 3/16" X 1 1/2" FILLET WELDS.
14) CONTINUOUS ANGLE 2 X 2 X 1/4. FIELD WELD TO HORIZONTAL VERTICAL AND HSS's WITH 3/16" X 1 1/2" FILLET WELDS.

KEYNOTES FOR DETAIL W/S1106

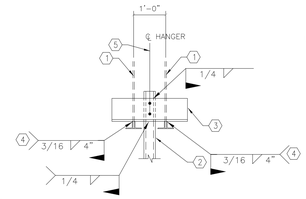
1) ADDITIONAL ROOF JOISTS TO SUPPORT PLATFORM HANGERS. PROVIDE ADDITIONAL WEB REINFORCING SIMILAR TO DETAIL Q/S1106 AS REQUIRED. SUBMIT DETAIL IN SHOP DRAWINGS FOR APPROVAL.
2) HSS 3 X 3 X 3/8 PLATFORM HANGER.
3) 2 BENT PLATES 7 X 4 X 3/8 x 1'-6" LONG.
4) FIELD WELD BOTH 7 X 4 BENT PLATES TO TOP OF JOIST BOTTOM CHORD.
5) 2 - 3/4" DIAMETER A325 THRU BOLTS. SNUG TIGHT AND DISTORT THREADS.

KEYNOTES FOR DETAIL X/S1106

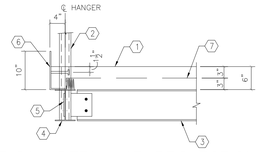
1) PROJECTION PLATFORM SLAB. 6" LIGHTWEIGHT CONCRETE ELEVATED SLAB. PROVIDE 6 X 6 X W2.9 X W2.9 WWF 3/4" CLEAR FROM TOP OF SLAB NOT SHOWN HERE FOR CLARITY. REFER TO APPLICABLE DETAILS THIS SHEET FOR SLAB REINFORCING OVER STEEL BEAMS AND WALLS AND SLAB EDGES.
2) HSS 3 X 3 X 3/8 HANGER SUPPORT FROM JOISTS ABOVE. REFER TO DETAIL W/S1106.
3) W8 FLOOR BEAM.
4) W8 EDGE BEAM.
5) 1/2" CONNECTION PLATES.
6) CONTINUOUS BENT EDGE PLATE 1/4 X 10 X 4 W/ 3/4" DIAMETER X 6" LONG SHEAR STUDS SPACED AT 24" OC 1 1/2" FROM TOP OF SLAB.
7) 3" DEEP GALVANIZED COMPOSITE METAL FLOOR DECK.



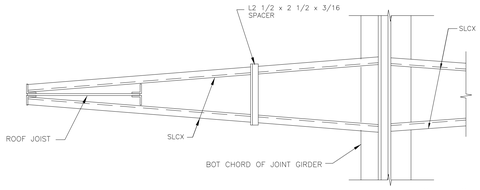
T S1106 PROSCENIUM FRAMING DETAIL AT STAGE AT 400 UNIT 3/4" = 1'-0"



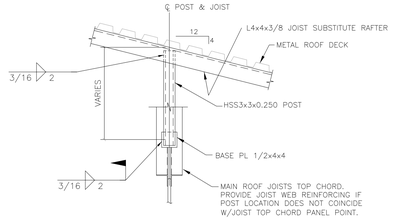
W S1106 TYPICAL PLATFORM HANGER CONNECTION TO ROOF JOISTS 3/4" = 1'-0"



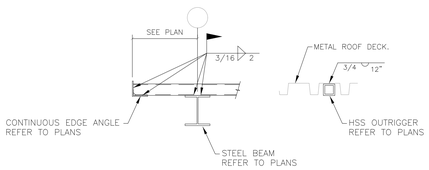
X S1106 TYPICAL DETAIL AT PROJECTION LOFT HANGER 3/4" = 1'-0"



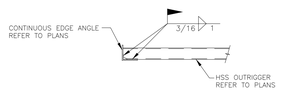
PLAN VIEW @ "SLCX"



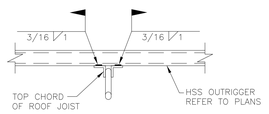
E S1106 TYPICAL ROOF OVERBUILD POST DETAIL 3/4" = 1'-0"



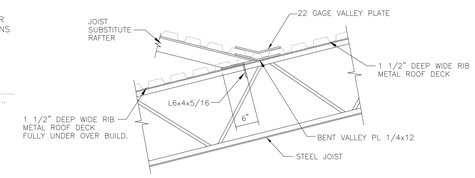
D S1106 TYPICAL OUTRIGGER TO ROOF BEAM CONNECTION DETAIL 3/4" = 1'-0"



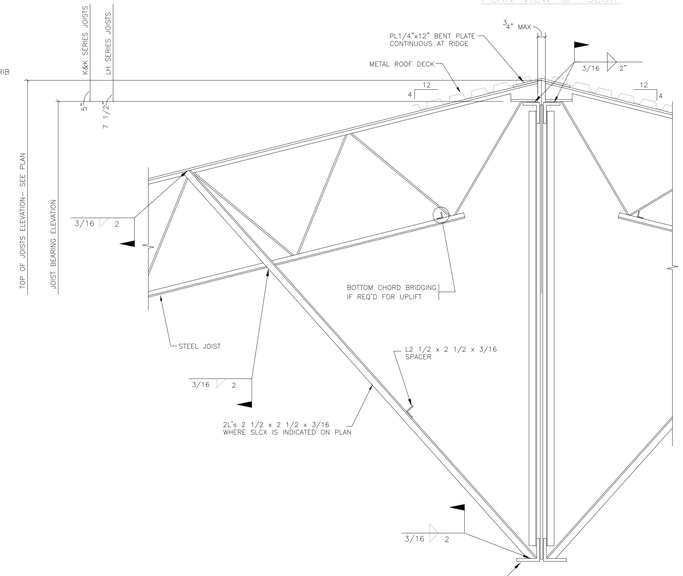
O S1106 TYPICAL EDGE ANGLE TO OUTRIGGER CONNECTION DETAIL 3/4" = 1'-0"



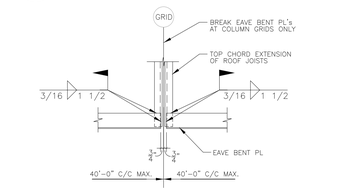
C S1106 TYPICAL OUTRIGGER WELDING TO ROOF JOISTS SCALE: 3/4" = 1'-0"



V S1106 TYPICAL VALLEY DETAIL AT OVER BUILD ROOF CONNECTION TO MAIN ROOF 3/4" = 1'-0"

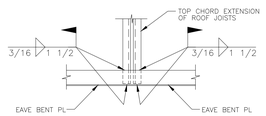


A S1106 TYPICAL JOIST TO LARGE JOIST GIRDER CONNECTION DETAIL AT RIDGE W/ "SLCX" N.T.S.



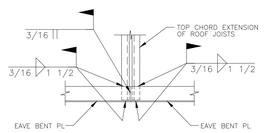
PLAN VIEW

G S1106 TYPICAL EAVE BENT PLATE THERMAL BREAK 3/4" = 1'-0"



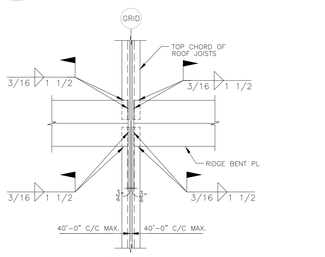
PLAN VIEW

H S1106 TYPICAL CONTINUOUS EAVE BENT PLATE TO STEEL JOIST CONNECTION DETAIL 3/4" = 1'-0"



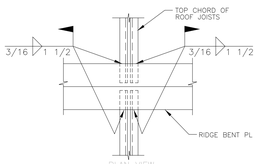
PLAN VIEW

J S1106 TYPICAL BUTTED EAVE BENT PLATE TO STEEL JOIST CONNECTION DETAIL 3/4" = 1'-0"



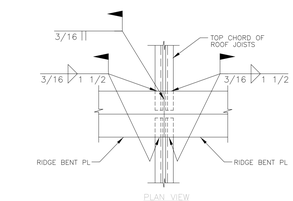
PLAN VIEW

L S1106 TYPICAL RIDGE BENT PLATE THERMAL BREAK 3/4" = 1'-0"



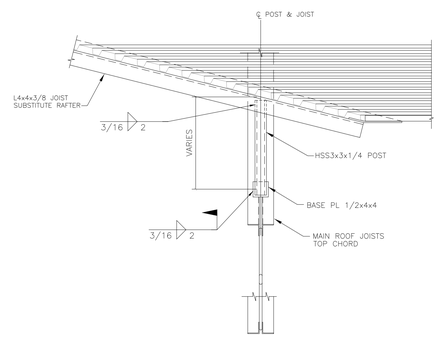
PLAN VIEW

K S1106 TYPICAL CONTINUOUS RIDGE BENT PLATE TO STEEL JOIST CONNECTION DETAIL 3/4" = 1'-0"



PLAN VIEW

M S1106 TYPICAL BUTTED RIDGE BENT PLATE TO STEEL JOIST CONNECTION DETAIL 3/4" = 1'-0"



U S1106 TYPICAL FRAMING DETAIL AT ROOF OVERBUILD 3/4" = 1'-0"

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2600 Meridian Drive / Greenville, NC 27858 / tel (252) 757-0333

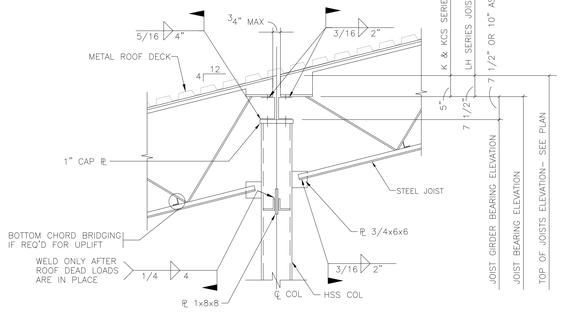
JDA Engineers, P.A.
1019 Passport Way
Cary, NC 27513
(919) 677-3004

Revision
Not Dated

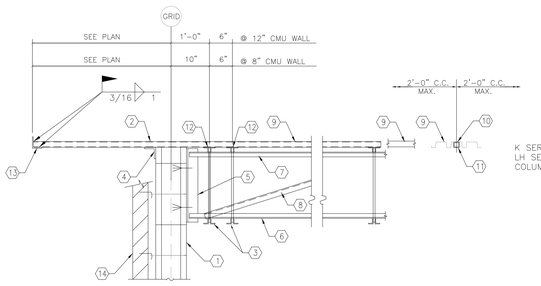
New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

Project No. 21131
Date: 28 March 2012
Drawing no. S 1106

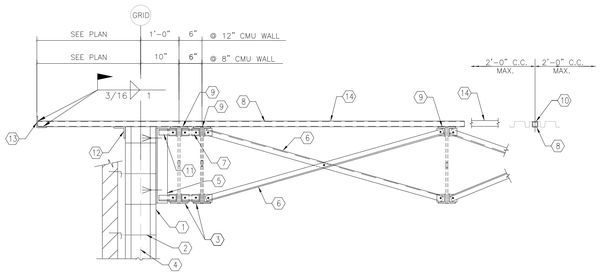
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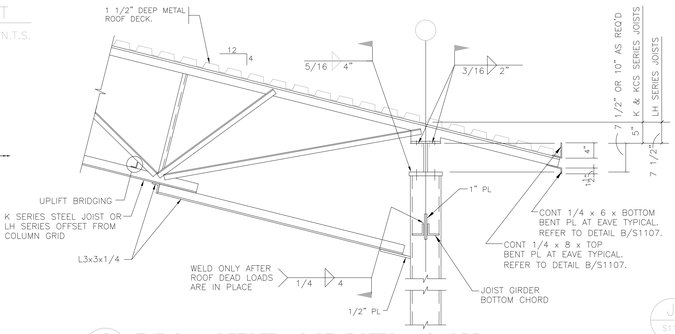
A S1107 TYPICAL INTERMEDIATE LEVEL JOIST & JOIST GIRDER TO COLUMN CONNECTION DETAIL N.T.S.



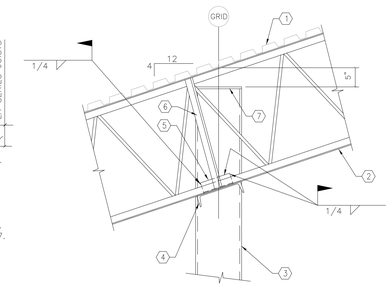
Z S1107 TYPICAL SECTION AT ENDWALL GABLE AT HORIZONTAL BRIDGING ANCHORAGE 3/4"=1–0"



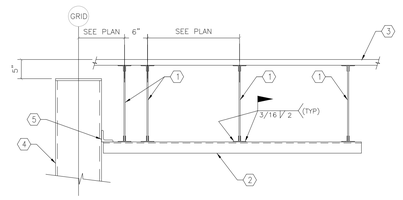
F S1107 TYPICAL SECTION AT ENDWALL GABLE AT DIAGONAL BRIDGING ANCHORAGE 3/4"=1–0"



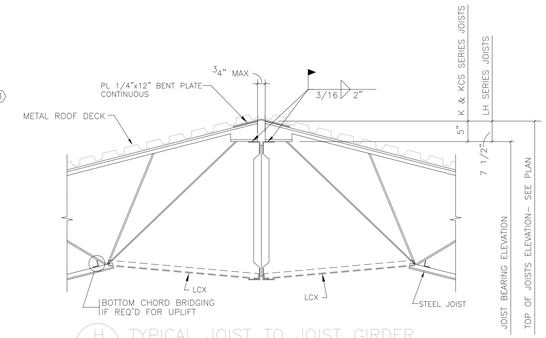
G S1107 TYPICAL OFFSET JOIST BOTTOM CHORD BRACE TO COLUMN DETAIL 3/4"=1'–0"



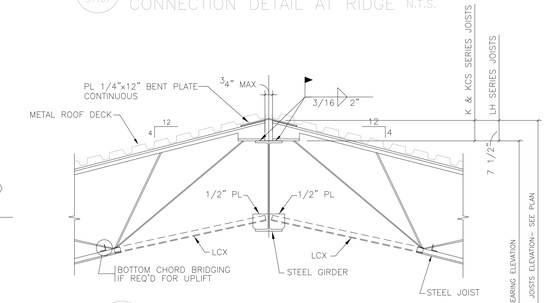
J S1107 TYPICAL WIND COLUMN BRACE CONNECTION AT BOTTOM OF ROOF JOISTS 3/4"=1–0"



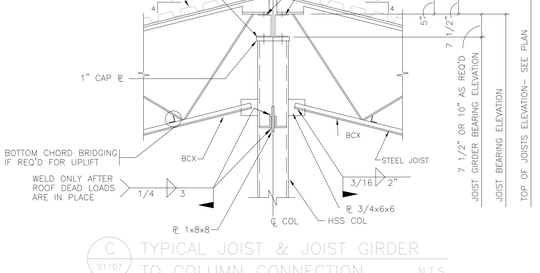
K S1107 TYPICAL WIND COLUMN TIE BRACE CONNECTION TO JOIST BOTTOM CHORDS 3/4"=1–0"



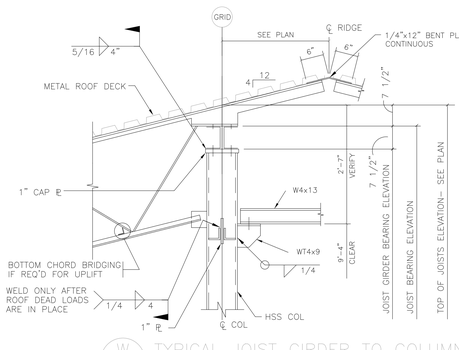
H S1107 TYPICAL JOIST TO JOIST GIRDER CONNECTION DETAIL AT RIDGE N.T.S.



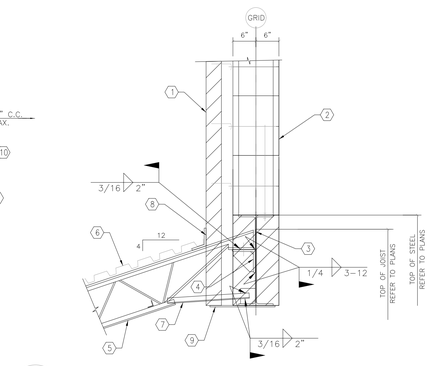
M S1107 TYPICAL JOIST TO STEEL GIRDER CONNECTION DETAIL AT RIDGE N.T.S.



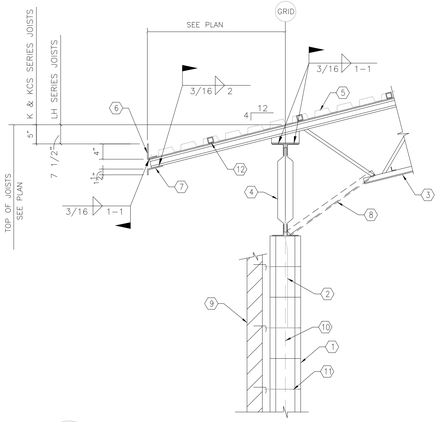
C S1107 TYPICAL JOIST & JOIST GIRDER TO COLUMN CONNECTION DETAIL AT RIDGE N.T.S.



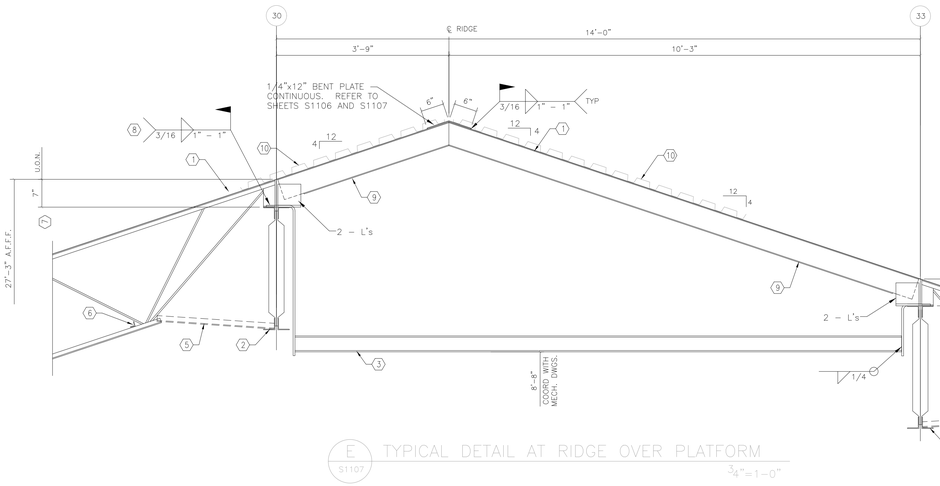
W S1107 TYPICAL JOIST GIRDER TO COLUMN CONNECTION DETAIL AT RIDGE OVER PLATFORM 3/4"=1–0"



L S1107 TYPICAL JOIST BEARING DETAIL AT HIGH EAVE OF TOILET SHED ROOFS ON 300 AND 400 UNITS 3/4"=1'–0"



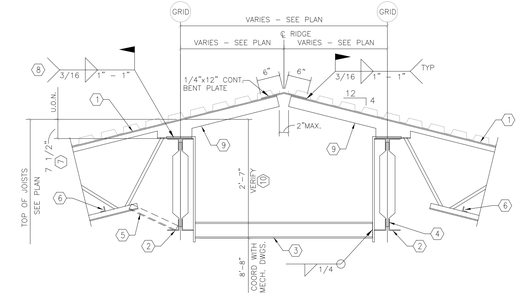
B S1107 TYPICAL EAVE DETAIL AT CMU AND BRICK VENEER SIDEWALLS 3/4"=1–0"



E S1107 TYPICAL DETAIL AT RIDGE OVER PLATFORM 3/4"=1–0"

KEYNOTES FOR DETAIL E/S1107

1) STEEL JOIST. REFER TO PLANS.
2) JOIST GIRDER. REFER TO PLANS.
3) W4x13 FOR SUPPORT OF MECHANICAL PIPING. REFER TO PLANS. PROVIDE FOR MINIMUM 8'–8" MINIMUM HEAD ROOM CLEARANCE ABOVE UTILITY PLATFORM FLOOR. COORDINATE WITH MECHANICAL DRAWINGS.
4) LOCATE W4 MEMBERS WITHIN 6" OC JOIST GIRDER PANEL POINT MIDWAY BETWEEN ROOF JOISTS. PROVIDE FOR 1.5 KIP ADDITIONAL UNFACTORED SERVICE LOAD ON JOIST GIRDER AT EACH W4 LOCATION.
5) TWO ANGLES SAME SIZE AS BOTTOM CHORD ANGLES OF JOISTS AT LOCATIONS NOTED ON PLANS AS "LCX". FIELD WELD TO BOTTOM CHORD OF JOISTS AND TO BOTTOM CHORD OF JOIST GIRDER EACH END WITH 1/8" X 2" TOTAL LENGTH FILLET WELDING.
6) BOTTOM CHORD BRIDGING AS REQUIRED FOR UPLIFT. REFER TO PLANS.
7) PROVIDE FOR 7" DEPTH BEARING FOR JOIST EXTENDED ENDS OVER PLATFORM.
8) INDICATED FIELD WELDING IS FOR W4 CONNECTION TO TOP OF JOIST GIRDER. PROVIDE SAME FIELD WELDING FOR JOIST TO JOIST GIRDER.
9) W6 BENT.
10) METAL ROOF DECK AS SPECIFIED.



D S1107 TYPICAL DETAIL AT RIDGE OVER PLATFORM 3/4"=1–0"

KEYNOTES FOR DETAIL B/S1107

1) CMU WYTHE AT EXTERIOR WALL.
2) 3/4" DIAMETER X 2'–4" LONG ALL THREAD ROD SPACED AT 24" OC. PLACE ROD BETWEEN JOIST GIRDER BOTTOM CHORD MEMBERS WITH A FLAT WASHER AND HEAVY HEX NUT AT BOTTOM AND TOP OF GIRDER BOTTOM CHORD MEMBER.
3) STEEL JOISTS. REFER TO PLANS.
4) STEEL JOIST GIRDER OR STEEL BEAM GIRDER. REFER TO PLANS.
5) 1 1/2" DEEP METAL ROOF DECK. REFER TO GENERAL NOTES.
6) CONTINUOUS 1/4" X 8 TOP BENT PLATE FIELD WELDED TO TOP OF JOIST EXTENDED ENDS AT EAVE. REFER TO SPECIFICATIONS FOR LIMITATIONS OF LENGTH FOR THERMAL RELIEF. REFER TO DETAILS G/S1106, H/S1106, AND J/S1106.
7) CONTINUOUS 1/4" X 6 BOTTOM BENT PLATE FIELD WELDED TO BOTTOM OF JOIST EXTENDED ENDS AT EAVE. REFER TO SPECIFICATIONS FOR LIMITATIONS OF LENGTH FOR THERMAL RELIEF. REFER TO DETAILS G/S1106, H/S1106, AND J/S1106 AS SIMILAR.
8) TWO ANGLES SAME SIZE AS BOTTOM CHORD ANGLES OF JOISTS AT LOCATIONS NOTED ON PLANS AS "LCX". FIELD WELD TO BOTTOM CHORD OF JOISTS AND TO BOTTOM CHORD OF JOIST GIRDER EACH END WITH 1/8" X 2" TOTAL LENGTH FILLET WELDING.
9) BRICK VENEER. REFER TO ARCHITECTURAL DRAWINGS.
10) VERTICAL REINFORCING AS SPECIFIED.
11) HORIZONTAL MASONRY JOINT REINFORCING SPACED AT 16" OC VERTICALLY AS SPECIFIED.
12) HSS1.5x1.5x0.250 OUTRIGGER AT 24"o.c. SEE PLAN.

KEYNOTES FOR DETAIL D/S1107

1) STEEL JOIST. REFER TO PLANS.
2) JOIST GIRDER. REFER TO PLANS.
3) W4x13 FOR SUPPORT OF MECHANICAL PIPING. REFER TO PLANS. PROVIDE FOR MINIMUM 8'–0" MINIMUM HEAD ROOM CLEARANCE ABOVE UTILITY PLATFORM FLOOR.
4) LOCATE W4 MEMBERS WITHIN 6" OC JOIST GIRDER PANEL POINT MIDWAY BETWEEN ROOF JOISTS. PROVIDE FOR 1.5 KIP ADDITIONAL UNFACTORED SERVICE LOAD ON JOIST AT EACH W4 LOCATION.
5) TWO ANGLES SAME SIZE AS BOTTOM CHORD ANGLES OF JOISTS AT LOCATIONS NOTED ON PLANS AS "LCX". FIELD WELD TO BOTTOM CHORD OF JOISTS AND TO BOTTOM CHORD OF JOIST GIRDER EACH END WITH 1/8" X 2" TOTAL LENGTH FILLET WELDING.
6) BOTTOM CHORD BRIDGING AS REQUIRED FOR UPLIFT. REFER TO PLANS.
7) PROVIDE FOR SPECIAL 7 1/2" DEPTH BEARING FOR SPECIAL 5" DEEP CANTILEVERS OVER PLATFORM AT 300 UNIT.
8) INDICATED FIELD FOR W4 CONNECTION TO TOP OF JOIST GIRDER. PROVIDE SAME FIELD WELDING FOR JOIST TO JOIST GIRDER.
9) SPECIAL 5" DEEP CANTILEVERS OVER PLATFORM.
10) VERIFY THIS DIMENSION WITH MECHANICAL DRAWINGS

KEYNOTES FOR DETAIL F/S1107

1) 8" OR 12" CMU WYTHE AT EXTERIOR WALL. GROUT TOP 36" OF WALL 100% SOLID WITH 3000 PSI CONCRETE OR MASONRY GROUT AS SPECIFIED. DO NOT USE MORTAR MIX FOR ANY CMU GROUTING PURPOSES.
2) HORIZONTAL JOINT REINFORCING AS SPECIFIED.
3) STEEL JOISTS AT ROOF. REFER TO ROOF FRAMING PLANS.
4) VERTICAL REINFORCING AS SPECIFIED.
5) ANGLE 3 X 3 X 1/4 X LENGTH SAME AS JOIST DEPTH WITH 2 – 3/4" DIAMETER X 4" LONG WEDGE ANCHORS.
6) FIELD BOLTED DIAGONAL JOIST BRIDGING. BOLT ALL DIAGONAL BRIDGING CONNECTIONS WITH 1/2" DIAMETER BOLTS.
7) FIELD BOLTED HORIZONTAL JOIST BRIDGING AT TOP AND BOTTOM CHORDS OF ROOF JOISTS. REFER TO PLANS.
8) HSS 1.5 X 1.5 X 0.25 OUTRIGGERS SPACED AT 24" OC MAXIMUM ALONG GABLE ENDS FIELD WELDED TO TOP CHORD OF JOISTS UNDER METAL ROOF DECK HIGH RIB FLUTES. CAREFULLY COORDINATE LOCATION OF OUTRIGGERS TO FIT WITHIN THE ROOF DECK LAYOUT. EXERCISE PROPER CARE IN FIELD WELDING OUTRIGGERS TO JOISTS SO AS NOT TO INTRODUCE NEGATIVE CAMBER IN THE OUTRIGGERS AND NOT TO DAMAGE JOISTS. FIELD WELD DECK TO TOP OF OUTRIGGERS WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 12" OC. METAL ROOF DECK NOT SHOWN FOR CLARITY.
9) EXERCISE PROPER CARE IN FIELD WELDING OUTRIGGERS TO JOISTS SO AS NOT TO INTRODUCE NEGATIVE CAMBER IN THE OUTRIGGERS AND NOT TO DAMAGE JOISTS.
10) FIELD WELD DECK TO TOP OF OUTRIGGERS WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 12" OC.
11) PIECE OF BRIDGING ANGLE 1.5 X 1.5 X 7/64 FIELD WELDED FULLY TO ANGLE 3 X 3 X 1/4 W/ 1/8" FILLET WELDING.
12) CONTINUOUS ANGLE 4 X 4 X 1/4. FIELD WELD TO EACH SIDE OF EACH OUTRIGGER WITH 3/16" X 2" FILLET WELDS.
13) CONTINUOUS RAKE EDGE ANGLE 4 X 4 X 1/4. FIELD WELD METAL ROOF DECK TO EDGE ANGLE WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.
14) METAL ROOF DECK CUT AWAY FOR CLARITY.

KEYNOTES FOR DETAIL J/S1107

1) METAL ROOF DECK AS SPECIFIED.
2) STEEL ROOF JOISTS. REFER TO PLANS.
3) HSS WIND POST COLUMN. REFER TO PLANS.
4) C12X20.7 TIE BRACE. REFER TO DETAIL K/S1107.
5) ANGLE 3 X 3 X 3/8 X 0'–8" SHOP WELDED TO C12 AND FIELD WELDED TO HSS COLUMN. REFER TO DETAIL K/S1107.
6) PROVIDE JOIST WEB REINFORCING WHERE LOCATION OF C12 DOES NOT COINCIDE WITH JOIST BOTTOM CHORD PANEL POINT. REFER TO DETAIL Q/S1106 FOR TYPICAL JOIST WEB REINFORCING DETAILS.
7) 1/2" COLUMN CAP PLATE.

KEYNOTES FOR DETAIL K/S1107

1) STEEL ROOF JOISTS. REFER TO PLANS.
2) C12X20.7 TIE BRACE. REFER TO DETAIL J/S1107.
3) METAL ROOF DECK WITH OUTRIGGERS HSS 1.5 X 1.5 X 0.25 OUTRIGGERS SPACED AT 24" OC MAX. SEE PLAN.
4) HSS COLUMN. REFER TO PLANS.
5) ANGLE 3 X 3 X 3/8 X 0'–8" SHOP WELDED TO C12 AND FIELD WELDED TO HSS COLUMN. REFER TO DETAIL J/S1107.

KEYNOTES FOR DETAIL L/S1107

1) BRICK VENEER AT HIGH WALL. REFER TO ARCHITECTURAL DRAWINGS FOR ALL BRICK VENEER DETAILS.
2) 12" CMU WYTHE WITH VERTICAL REINFORCING AS SPECIFIED.
3) W24 GIRDER.
4) CONTINUOUS ANGLE 6 X 6 X 3/8 SHOP WELDED TO BEAM WEB WITH A 3/8" STIFFENER UNDER EACH JOIST BEARING POINT.
5) 12K ROOF JOISTS. REFER TO ROOF FRAMING PLANS.
6) 1 1/2" METAL ROOF DECK AS SPECIFIED.
7) "LCX" AT EACH JOIST. FIELD WELD TO JOIST AND TO 1/2" PLATE SHOP WELDED TO W24.
8) CONTINUOUS 1/4" X 8" BENT PLATE W/ 4" VERTICAL LEG FIELDED TO TOP CORD OF JOISTS. FIELD WELD METAL ROOF DECK TO BENT PLATE WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.
9) CONTINUOUS 3/8" BOTTOM PLATE.

KEYNOTES FOR DETAIL Z/S1107

1) 8" OR 12" CMU WALL. GROUT TOP 36" OF WALL 100% SOLID WITH 3000 PSI CONCRETE OR MASONRY GROUT AS SPECIFIED. DO NOT USE MORTAR MIX FOR ANY CMU GROUTING PURPOSES.
2) HSS 1.5 X 1.5 X 0.25 @ OUTRIGGERS SPACED AT 24" OC MAX. SEE PLAN.
3) DOUBLE JOISTS AT END WALLS. REFER TO PLANS.
4) CONTINUOUS ANGLE 4 X 4 X 1/4. FIELD WELD ANGLE TO OUTRIGGERS WITH 3/16" X 2" LONG FILLET WELDING EACH SIDE OF OUTRIGGER.
5) BRIDGING ANCHOR ANGLE 3 X 3 X 1/4 AT EACH BRIDGING LINE. ANCHOR TO CMU WALL WITH 2 – 3/4" DIA X 4" LONG WEDGE ANCHORS.
6) BOTTOM CHORD BRIDGING AS SPECIFIED.
7) TOP CHORD BRIDGING AS SPECIFIED.
8) ADDITIONAL DIAGONAL BRIDGING ANGLE FIELD WELDED INTO PLACE. SEE PLAN FOR SPECIFIC LOCATIONS DENOTED (X).
9) METAL ROOF DECK CUT AWAY FOR CLARITY.
10) FIELD WELD DECK TO OUTRIGGERS WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 12" OC.
11) HSS 1.5 X 1.5 X 0.25 SPACED AT 24" OC PLACED UNDERNEATH DECK FLUTES. CAREFULLY COORDINATE LOCATION OF OUTRIGGERS TO COINCIDE WITH THE DECK FLUTE LAYOUT.
12) PLAN FIELD WELDING SEQUENCE SO AS NOT TO PUT REVERSE CAMBER IN OUTRIGGERS AND TO PREVENT DAMAGE TO STEEL JOISTS.
13) CONTINUOUS GABLE RAKE ANGLE 4 X 4 X 1/4. REFER TO ROOF FRAMING PLANS.
14) BRICK VENEER WHERE APPLICABLE. REFER TO ARCHITECTURAL DRAWINGS FOR ALL BRICK VENEER DETAILS.

No.	Date:	Revision

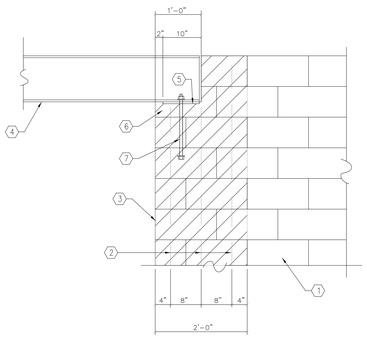
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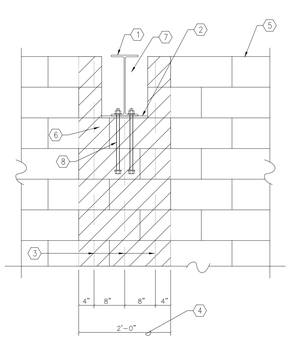
New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 – School 312
Windsor / Bertie County / North Carolina

Project No. 21131
Date: 28 March 2012
Drawing no. S 1107

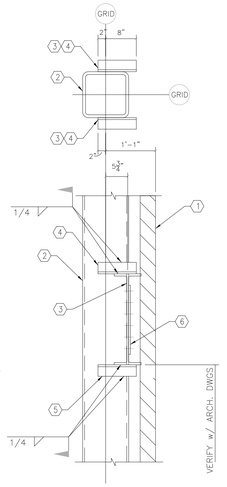
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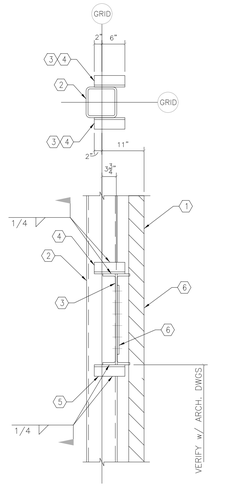
J S1108 TYPICAL DETAIL AT BEAM BEARING PARALLEL TO MASONRY WALL 3/4"=1'-0"



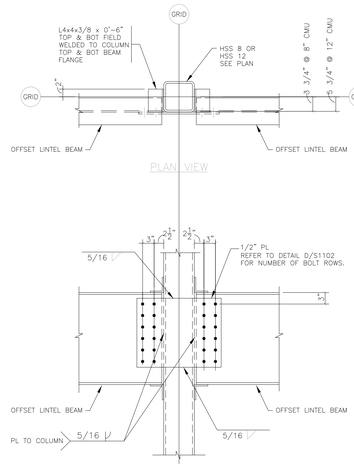
M S1108 TYPICAL DETAIL AT BEAM BEARING PERPENDICULAR TO MASONRY WALL 3/4"=1'-0"



A S1108 TYPICAL SECTION AT LINTEL AT 5 3/4" OFFSET FROM GRID 3/4"=1'-0"



B S1108 TYPICAL SECTION AT LINTEL AT 3 3/4" OFFSET FROM GRID 3/4"=1'-0"



G S1108 TYPICAL OFFSET LINTEL BEAM CONNECTION TO COLUMN DETAIL 3/4"=1'-0"

KEYNOTES FOR DETAIL A/S1108

1) BRICK VENEER. REFER TO ARCHITECTURAL DRAWINGS FOR ALL BRICK VENEER DETAILS.
2) HSS12 COLUMN. REFER TO PLANS.
3) LINTEL BEAM. REFER TO PLANS.
4) CLIP ANGLE 4 X 4 X 3/8 X 0'-10" LONG AT TOP FLANGE.
5) CLIP ANGLE 4 X 4 X 3/8 X 0'-10" LONG AT BOTTOM FLANGE.
6) LINTEL BEAM CONNECTION PLATE SHOP WELDED TO COLUMN. REFER TO DETAIL H/S1109.

KEYNOTES FOR DETAIL B/S1108

1) BRICK VENEER. REFER TO ARCHITECTURAL DRAWINGS FOR ALL BRICK VENEER DETAILS.
2) HSS8 COLUMN. REFER TO PLANS.
3) LINTEL BEAM. REFER TO PLANS.
4) CLIP ANGLE 4 X 4 X 3/8 X 0'-8" LONG AT TOP FLANGE.
5) CLIP ANGLE 4 X 4 X 3/8 X 0'-8" LONG AT BOTTOM FLANGE.
6) LINTEL BEAM CONNECTION PLATE SHOP WELDED TO COLUMN. REFER TO DETAIL H/S1109.

KEYNOTES FOR DETAIL D/S1108

1) JOIST GIRDER. REFER TO ROOF FRAMING PLANS.
2) ROOF JOISTS. REFER TO ROOF FRAMING PLANS.
3) HSS4X4X0.250 SHOP WELDED FRAME BEAM MEMBER IN TO PLANE OF THE BOTTOM OF THE METAL ROOF DECK OF MAIN ROOF.
4) HSS4X4X0.250 SHOP WELDED FRAME POST MEMBER. PROVIDE A 1/2" X 5" X 0'-5" BASE PLATE SHOP WELDED TO POST TO BEAR ON TOP CHORD OF JOIST GIRDER. PROVIDE FOR 5 KIPS TOTAL UNFACTORED SERVICE LOAD IN THE DESIGN OF THE JOIST GIRDER FOR SUPPORT OF THE HSS4X4 POSTS.
5) HSS4X4X0.250 SHOP WELDED FRAME BEAM MEMBER AT PROPER HEIGHT TO SUPPORT THE W4 BENT RAFTER BEAMS WITH STIFFENED SEATS.
6) W4 BENT RAFTER BEAMS WITH STIFFENED SEATS FOR SUPPORT OF THE 1 1/2" METAL ROOF DECK AND HSS 1.5 X 1.5 OUTRIGGERS.
7) STIFFENED SEATS FABRICATED FROM 1/2" MINIMUM THICKNESS PLATES.
8) HSS 1.5 X 1.5 OUTRIGGERS. REFER TO ROOF FRAMING PLAN.
9) TYPICAL GABLE RAKE EDGE ANGLE 4 X 4 X 1/4 FIELD WELDED TO ENDS OF OUTRIGGERS. FIELD METAL ROOF DECK EDGE TO RAKE ANGLE WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 6" OC.
10) 1 1/2" METAL ROOF DECK AS SPECIFIED.
11) REFER TO DETAIL B/S1106 FOR VALLEY PLATES AND ROOF DECK DETAILS AT OVER BUILD ROOF AREAS.
12) PROVIDE 1 1/2" DEEP METAL ROOF DECK AS SPECIFIED FULLY UNDER ALL GABLE OVERBUILD AREAS.
13) REFER TO DETAIL F/S1106 FOR TYPICAL WB ROOF HEADER. PROVIDE JOIST WEB REINFORCING AS NOTED IN DETAIL Q/S1106 IF HEADER LOCATION DOES NOT OCCUR AT JOIST TOP CHORD PANEL POINT.

KEYNOTES FOR DETAIL J/S1108

1) 8" CMU WALL.
2) 3 – #6 VERTICAL BARS (1 EACH FILLED CELL) AT BEAM BEARING DOWN TO FOOTING. PROVIDE MATCHING DOWELS INTO FOOTING.
3) FILL CMU CELLS SOLID WITH 3000 PSI CONCRETE FOR 2'-0" WIDTH (THREE CELLS) UNDER BEAM BEARING DOWN TO MAIN FLOOR.
4) STEEL BEAM. REFER TO PLANS FOR SIZE AND LOCATION.
5) BEAM BEARING PLATE 3/4" X 6" X 0'-10". FIELD WELD BEAM TO BEARING PLATE WITH 1/4" X 3" LONG FILLET WELD EACH SIDE OF BEAM FLANGE. CONCEAL BEARING PLATE AND BEAM FLANGE WIDTH AT ALL EXPOSED LOCATIONS.
6) CUT CMU AS REQUIRED AT BEAM BEARING OR FORM AND BUILD UP WITH 3000 PSI CONCRETE OR NON-SHRINK GROUT.
7) 2 – 3/4" DIA X 1'-4" BEAM ANCHOR RODS.

KEYNOTES FOR DETAIL M/S1108

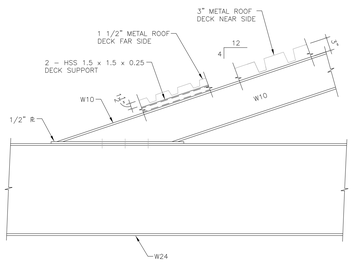
1) STEEL BEAM. REFER TO PLANS
2) 3/4" X 6" X 1'-0" BEAM BEARING PLATE CENTERED ON WALL FOR CONCEALMENT.
3) 3 – #6 VERTICAL BARS AT 8" OC. (1 EACH CELL).
4) FILL CELLS AT REBAR 100% SOLID WITH 3000 PSI CONCRETE.
5) CMU WALL. SEE PLAN.
6) CUT MASONRY AS REQUIRED AT BEAM BEARING OR FORM AND BUILD UP WITH 3000 PSI CONCRETE OR NON-SHRINK GROUT.
7) FILL POCKET AROUND BEAM WITH SOLID MASONRY.
8) 2 – 3/4" DIA X 1'-4" BEAM ANCHOR RODS.

KEYNOTES FOR DETAIL N/S1108

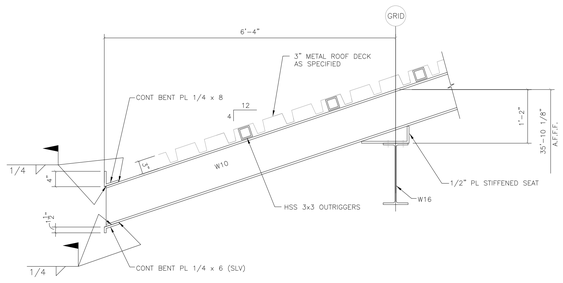
1) 8" CMU FREESTANDING FIREWALL WALL. PROVIDE #8 VERTICAL REINFORCING SPACED AT 24" OC FULL HEIGHT. DO NOT CONNECT OF BOND ANY OTHER STRUCTURAL ELEMENTS TO THE FIREWALL. TYPICAL AT ALL FIREWALLS.
2) HSS COLUMN. REFER TO PLANS AND COLUMN SCHEDULE. REFER TO SHEET S1104 FOR APPLICABLE DETAILS OF CMU WALL TIES TO COLUMN FACES. DO NOT TIE FIREWALL TO STEEL COLUMNS.
3) ROOF JOIST GIRDER. REFER TO ROOF FRAMING PLANS.
4) HSS 1.5 X 1.5 X 0.25 SPACED AT 24" OC PLACED UNDERNEATH DECK FLUTES. CAREFULLY COORDINATE LOCATION OF OUTRIGGERS TO COINCIDE WITH THE DECK FLUTE LAYOUT.
5) METAL ROOF DECK CUT AWAY FOR CLARITY.
6) ROOF JOISTS. REFER TO ROOF FRAMING PLANS.
7) PROVIDE 2" CLEAR EXPANSION OVER TOP OF FIREWALL.
8) BRIDGING ANCHOR ANGLE 3 X 3 X 1/4 AT EACH BRIDGING LINE. ANCHOR TO CMU WALL WITH 2 – 3/4" DIA X 4" LONG WEDGE ANCHORS.
9) PROVIDE SAFING AS REQUIRED AT TOP OF FIREWALL.
10) 8" CMU WALL. GROUT TOP 36" OF WALL 100% SOLID WITH 3000 PSI CONCRETE OR MASONRY GROUT AS SPECIFIED. DO NOT USE MORTAR MIX FOR ANY CMU GROUTING PURPOSES. PROVIDE #6 VERTICAL REINFORCING SPACED AT 24" OC. TYPICAL FOR ALL 8" CMU WALLS ADJACENT TO FIREWALLS.
11) PROVIDE #8 VERTICAL REINFORCING SPACED AT 24" OC FULL HEIGHT. TYPICAL AT ALL FIREWALLS.
12) PROVIDE #6 VERTICAL REINFORCING SPACED AT 24" OC. TYPICAL FOR ALL 8" CMU WALLS ADJACENT TO FIREWALLS.
13) TYPICAL HORIZONTAL MASONRY JOINT REINFORCING AS SPECIFIED AT 8" CMU WALLS.
14) TYPICAL HORIZONTAL MASONRY JOINT REINFORCING AS SPECIFIED AT 8" CMU WALLS.

KEYNOTES FOR DETAIL O/S1108

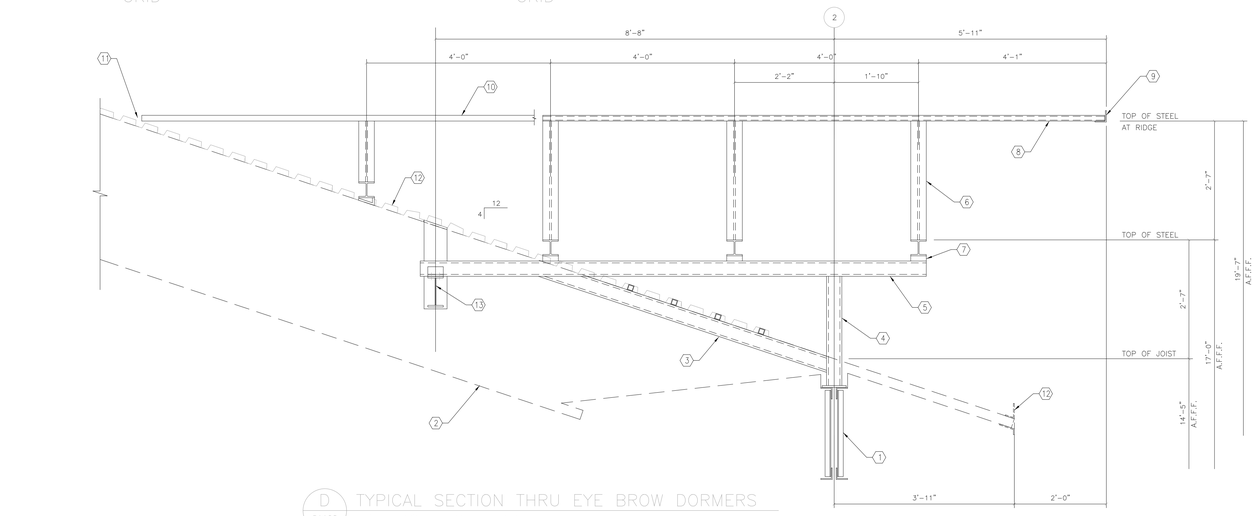
1) 8" CMU FREESTANDING FIREWALL WALL. PROVIDE #8 VERTICAL REINFORCING SPACED AT 24" OC FULL HEIGHT. DO NOT CONNECT OF BOND ANY OTHER STRUCTURAL ELEMENTS TO THE FIREWALL. TYPICAL AT ALL FIREWALLS.
2) 8" CMU WALL. GROUT TOP 36" OF WALL 100% SOLID WITH 3000 PSI CONCRETE OR MASONRY GROUT AS SPECIFIED. DO NOT USE MORTAR MIX FOR ANY CMU GROUTING PURPOSES. PROVIDE #6 VERTICAL REINFORCING SPACED AT 24" OC. TYPICAL FOR ALL 8" CMU WALLS ADJACENT TO FIREWALLS.
3) ROOF JOISTS. REFER TO ROOF FRAMING PLANS.
4) HSS 1.5 X 1.5 X 0.25 SPACED AT 24" OC PLACED UNDERNEATH DECK FLUTES. CAREFULLY COORDINATE LOCATION OF OUTRIGGERS TO COINCIDE WITH THE DECK FLUTE LAYOUT.
5) METAL ROOF DECK CUT AWAY FOR CLARITY.
6) FIELD WELD DECK TO OUTRIGGERS WITH 3/4" DIAMETER PUDDLE WELDS SPACED AT 12" OC.
7) CONTINUOUS ANGLE 4 X 4 X 1/4. FIELD WELD ANGLE TO OUTRIGGERS.
8) BRIDGING ANCHOR ANGLE 3 X 3 X 1/4 AT EACH BRIDGING LINE. ANCHOR TO CMU WALL WITH 2 – 3/4" DIA X 4" LONG WEDGE ANCHORS.
9) PROVIDE SAFING AS REQUIRED AT TOP OF FIREWALL.
10) PROVIDE 2" CLEAR EXPANSION OVER TOP OF FIREWALL.
11) HSS COLUMN. REFER TO PLANS AND COLUMN SCHEDULE. REFER TO SHEET S1104 FOR APPLICABLE DETAILS OF CMU WALL TIES TO COLUMN FACES. DO NOT TIE FIREWALL TO STEEL COLUMNS.
12) BOTTOM CHORD BRIDGING AS SPECIFIED.
13) ADDITIONAL DIAGONAL BRIDGING ANGLE FIELD WELDED INTO PLACE. SEE PLAN FOR SPECIFIC LOCATIONS DENOTED (X).
14) TOP CHORD BRIDGING AS SPECIFIED.
15) TYPICAL HORIZONTAL MASONRY JOINT REINFORCING AS SPECIFIED AT 8" CMU WALLS.
16) TYPICAL HORIZONTAL MASONRY JOINT REINFORCING AS SPECIFIED AT 8" CMU WALLS.
17) DO NOT MORTAR 8" CMU WALLS TO 12" CMU FIREWALLS.



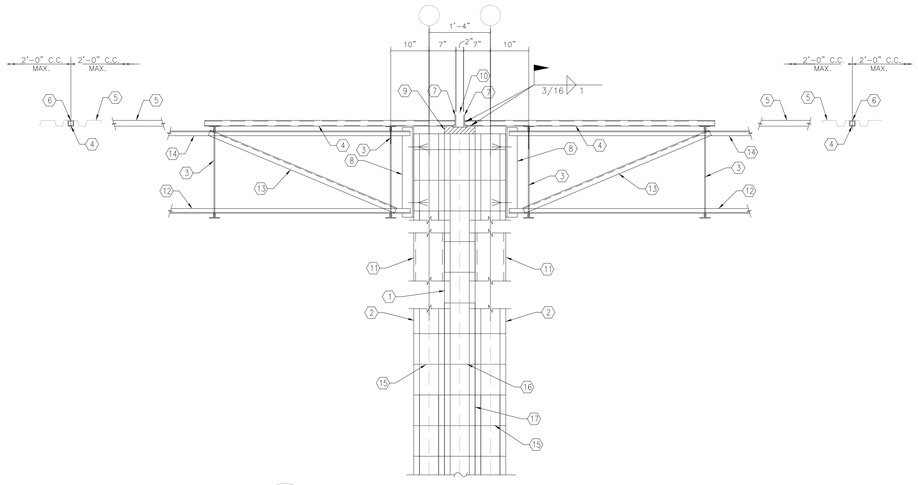
E S1108 TYPICAL SECTION AT 100 UNIT CANOPY METAL ROOF DECK CHANGE 3/4"=1'-0"



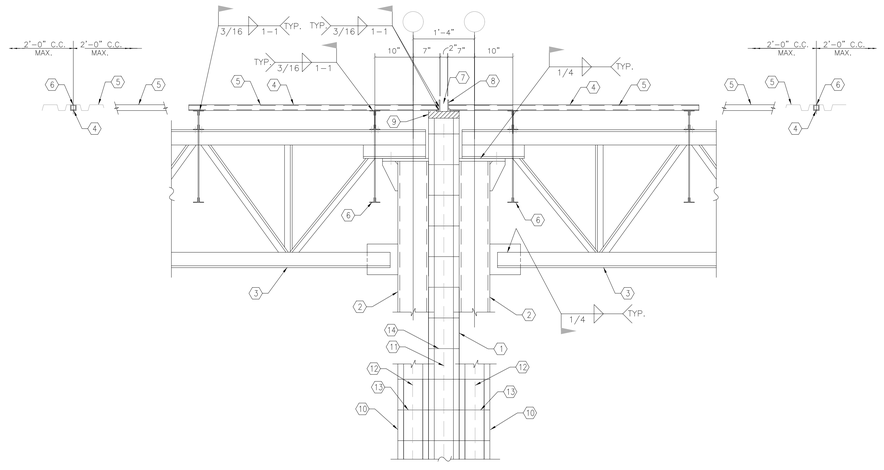
C S1108 TYPICAL SECTION AT 100 UNIT FRONT CANOPY 3/4"=1'-0"



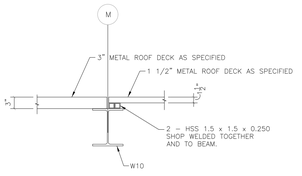
D S1108 TYPICAL SECTION THRU EYE BROW DORMERS AT FRONT OF 100 UNIT 3/4"=1'-0"



O S1108 TYPICAL ROOF EXPANSION JOINT DETAIL AT 2HR FIREWALL 3/4"=1'-0"



N S1108 TYPICAL ROOF FRAMING DETAIL AT JOIST GIRDER AT 2HR FIREWALL 3/4"=1'-0"



F S1108 TYPICAL SECTION 3/4"=1'-0"

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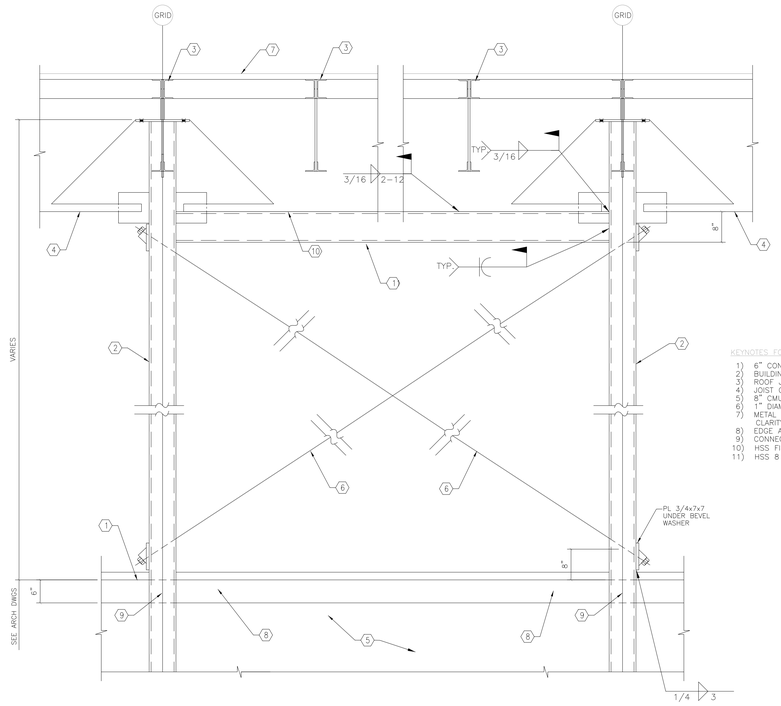
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No.	Date:	Revision

New Bertie High School
Bertie County Schools
716 us 13 North / NCDPS Unit 080 – School 312
Windsor / Bertie County / North Carolina

Project No. 21131
Date: 28 March 2012
Drawing no. S1108

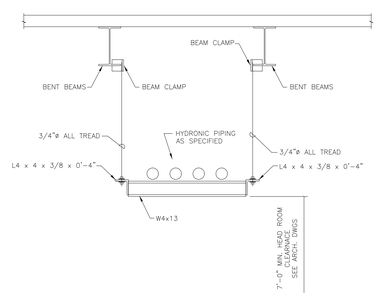
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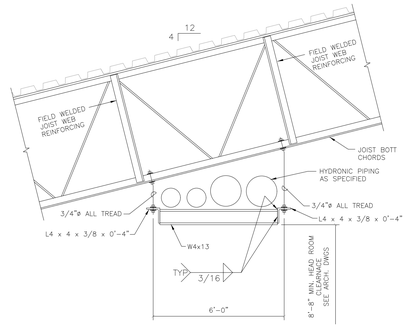
KEYNOTES FOR DETAIL A/S1109

1) 6" CONCRETE PLATFORM SLAB.
2) BUILDING COLUMN. REFER TO PLAN.
3) ROOF JOISTS. REFER TO PLAN.
4) JOIST GIRDER. REFER TO PLAN.
5) 8" CMU CORRIDOR WALL.
6) 1" DIAMETER VERTICAL DIAGONAL BRACE RODS ON CENTERLINE OF COLUMN.
7) METAL ROOF DECK. ROOF PANELS AND INSULATION NOT SHOWN FOR CLARITY. REFER TO ARCHITECTURAL DRAWINGS.
8) EDGE ANGLE.
9) CONNECT COLUMN TO EDGE ANGLE.
10) HSS FIELD WELDED TO BOTTOM CHORD OF JOIST GIRDER.
11) HSS 8 X 8 X 1/4 STRUT.

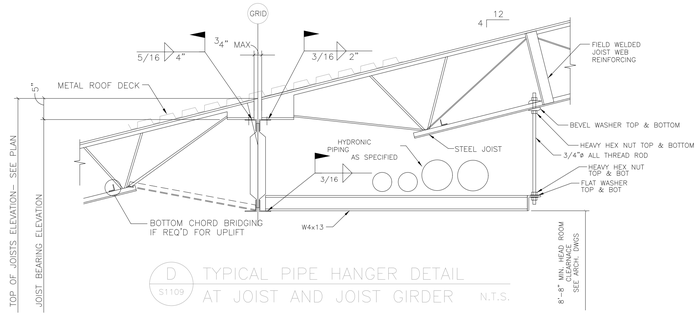
A S1109 TYPICAL VB-1 VERTICAL BRACE DETAIL 3/4"=1'-0"



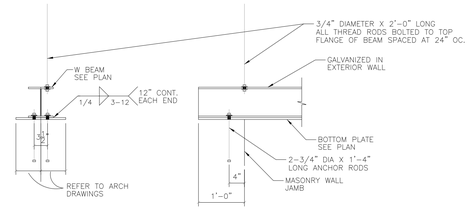
C S1109 TYPICAL HYDRONIC PIPING SUPPORT FROM BENT BEAMS 3/4"=1'-0"



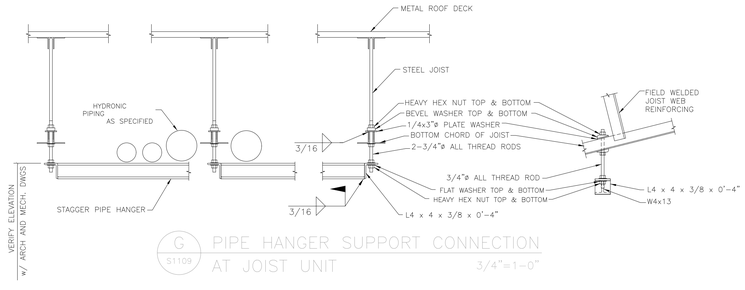
F S1109 TYPICAL HYDRONIC PIPING SUPPORT FROM STEEL JOIST AT ROOF 3/4"=1'-0"



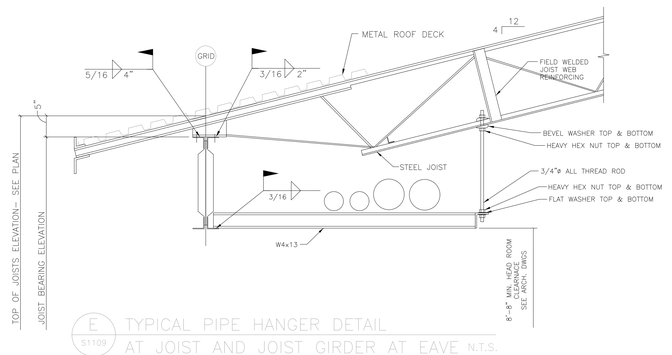
D S1109 TYPICAL PIPE HANGER DETAIL AT JOIST AND JOIST GIRDER N.T.S.



H S1109 TYPICAL LOOSE BEAM & PLATE LINTEL BEARING DETAIL 3/4"=1'-0"



G S1109 PIPE HANGER SUPPORT CONNECTION AT JOIST UNIT 3/4"=1'-0"



E S1109 TYPICAL PIPE HANGER DETAIL AT JOIST AND JOIST GIRDER AT EAVE N.T.S.

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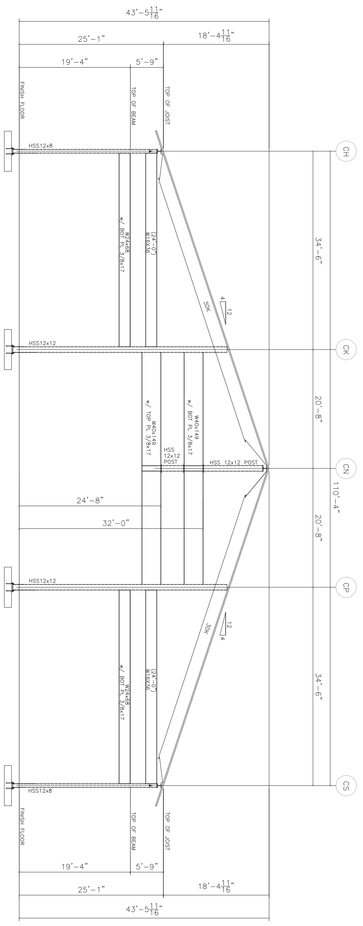
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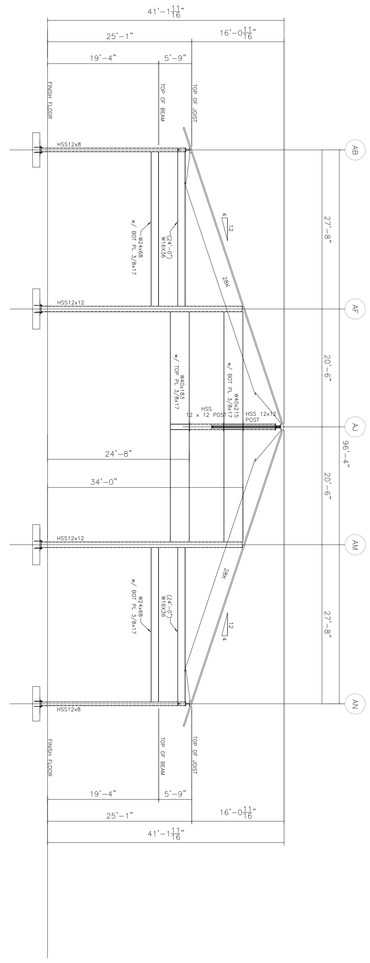
New Bertie High School
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Project No. 21131
Date: 28 March 2012
Drawing no. S 1109

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B S1110 SCHEMATIC FRAMING ELEVATION AT GRID LINE (13) AT 400 UNIT 3/32"=1'-0"



A S1110 SCHEMATIC FRAMING ELEVATION AT GRID LINE (14) AT 300 UNIT 3/32"=1'-0"

S1110

Drawing no.

Date: 28 March 2012

Project No. 211131

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GENERAL NOTES

FOUNDATIONS

1. SOIL DESIGN NET BEARING VALUE SHALL BE 2000 PSF TO BE FIELD VERIFIED BY THE GEOTECHNICAL TESTING LABORATORY AT THE TIME OF CONSTRUCTION.
2. HELICAL PIERS AT SPECIFIED LOCATIONS SHALL BE TRIPLE HELIX AUGERS WITH A SAFE RATED LOAD CAPACITY OF 15 TONS.
3. SITE PREPARATION AND PLACEMENT OF ALL ENGINEERED COMPACTED FILL SHALL BE MONITORED BY THE GEOTECHNICAL LABORATORY. ALL NECESSARY PREPARATORY STRIPPING, CUTTING, PROOF ROLLING, AND BACK FILLING OPERATIONS SHALL BE SO MONITORED.
4. ALL FILL INSIDE THE BUILDING AND TO 10' OUTSIDE THE BUILDING CONFINES INCLUDING RAMPS, STOOPS, AND STEPS SHALL BE CLEAN SELECT MATERIAL FREE OF DELETERIOUS MATERIALS SUCH AS WOOD, ROOTS, TRASH, OR OTHER EXTRANEOUS MATERIALS. PLACE FILL TO BE COMPACTED IN 8" MAXIMUM LIFTS, MEASURED LOOSE, AND COMPACT EACH LIFT TO MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT AS MEASURED BY ASTM D698 AS PRESCRIBED IN THE GEOTECHNICAL ENGINEERING REPORT DATED FEBRUARY 14, 2012 BY TERRACON. PROVIDE COMPACTION TESTS FOR ALL LIFTS.
5. TEST FREQUENCY SHALL BE AS REQUIRED BY THE GEOTECHNICAL TESTING LABORATORY TO CERTIFY THE SOIL COMPACTION IS AS SPECIFIED ABOVE. MAXIMUM AREA TO BE REPRESENTED BY ANY ONE TEST SHALL BE REQUIRED BY THE ABOVE MENTIONED REPORT.
6. ALL COLUMN AND WALL FOOTING EXCAVATIONS SHALL BE APPROVED BY THE INSPECTING GEOTECHNICAL LABORATORY PRIOR TO PLACING FOOTING CONCRETE.
7. FOOTING ELEVATIONS SHALL NOT BE RAISED OR LOWERED UNLESS SPECIFICALLY APPROVED BY THE ARCHITECT.
8. FOOTINGS MAY CARRIED TO LOWER ELEVATION WHERE DIRECTED BY THE ARCHITECT.
9. FOUNDATIONS SHALL BE PLACED ONLY ON APPROVED NATURAL UNDISTURBED SOIL STRATA OR ON PROPERLY PLACED ENGINEERED CONTROLLED COMPACTED FILL UNDER THE SUPERVISION OF THE GEOTECHNICAL LABORATORY.
10. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONAL LOCATIONS OF MASONRY WALLS AND PARTITIONS THAT REQUIRE CONTINUOUS WALL FOOTINGS AND/OR MONOLITHIC THICKENED SLAB FOOTINGS FOR SUPPORT.
11. CONSTRUCTION JOINTS IN CONTINUOUS WALL FOOTINGS SHALL BE MADE MIDWAY BETWEEN COLUMNS AND AT LEAST 4' FROM THE INTERSECTION OF ANOTHER WALL FOOTING.
12. COLUMN FOOTINGS IN LINE WITH WALL FOOTINGS SHALL BE PLACED MONOLITHICALLY AND FLUSH TOP WITH THE CONTIGUOUS WALLS FOOTINGS.
13. STEPPED WALL FOOTINGS WHERE REQUIRED SHALL START OR TERMINATE AT LEAST 4' FROM A COLUMN FOOTING, WALL CORNER, OR WALL INTERSECTIONS.

CONCRETE

1. CONCRETE SHALL DEVELOP THE FOLLOWING MINIMUM COMPRESSIVE STRENGTHS AT 28 DAYS:

A)	FOOTINGS AND PEDESTALS	– 3000 PSI
B)	INTERIOR SLABS ON GRADE	– 3000 PSI
C)	FILL FOR MASONRY UNITS	– 3000 PSI
D)	OTHER INTERIOR CONCRETE	– 3000 PSI
E)	EXPOSED EXTERIOR CONCRETE	– 3000 PSI
F)	SUSPENDED SLABS ON METAL DECK	– 3000 PSI
G)	MASONRY CAVITY WALL FILL	– 3000 PSI
H)	FLOWABLE FILL CONCRETE	– 1500 PSI

2. CONCRETE FOR FOOTINGS AND SLABS ON GRADE SHALL BE REGULAR STONE CONCRETE.
3. CONCRETE FOR SLABS SUSPENDED ON COMPOSITE METAL DECK SHALL BE STRUCTURAL LIGHTWEIGHT CONCRETE WITH MAXIMUM AIR UNIT WEIGHT OF 120 PCF.
4. CONCRETE FOR FILL IN CONCRETE MASONRY BLOCK CELLS, BOND BEAMS, LINTEL BLOCKS, AND CAVITY WALL FILL BELOW FLOOR IN EXTERIOR WALLS AND OTHER MASONRY UNITS SHALL BE 3000 PSI FINE AGGREGATE CONCRETE MASONRY GROUT CONFORMING TO ASTM C476 OR 3000 PSI CONCRETE WITH 3/8" MAXIMUM COARSE AGGREGATE SIZE. AT CONTRACTOR'S OPTION 3000 PSI SELF CONSOLIDATING CONCRETE GROUT MAY BE UTILIZED FOR MASONRY GROUTING PURPOSES WITH PROPER PRECAUTIONS TAKEN FOR THE HYDROSTATIC PRESSURE ISSUES.
5. THE CONCRETE MIX FOR CONCRETE MASONRY BLOCK AND CAVITY WALL GROUT SHALL BE PROPORTIONED AT THE PLANT FOR A HIGH SLUMP OF 8" TO 11" TO FACILITATE PLACEMENT AND TO ACCOMMODATE WATER ABSORPTION BY THE MASONRY UNITS. HIGH SLUMP SHALL BE ACHIEVED WHILE KEEPING THE WATER CEMENT RATIO IN THE NORMAL RANGE FOR A 3000 PSI MIX. THIS CONCRETE MIX WILL REQUIRE ADDITIONAL CEMENT IN THE BATCH TO GO ALONG WITH THE WATER ADDED FOR THE SLUMP REQUIREMENT.
6. MORTAR MIX SHALL NOT BE ALLOWED FOR ANY BLOCK MASONRY FILL REQUIREMENTS.
7. CONCRETE TO BE PERMANENTLY EXPOSED TO WEATHER SHALL HAVE 5% (+/– 1%) AIR ENTRAINMENT.
8. CONCRETE NOT PERMANENTLY EXPOSED TO THE WEATHER SHALL NOT HAVE AIR ADDED BY ENTRAINMENT. THIS REQUIREMENT SHALL BE VERIFIED AND REPORTED BY LABORATORY TESTS.
9. ALL CONCRETE WORK SHALL CONFORM TO "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE," ACI 318.
10. OBSERVE ALL AND STRICTLY FOLLOW ALL ACI 305 AND 306 REQUIREMENTS RESPECTIVELY FOR PROTECTION OF CONCRETE IN HOT AND COLD WEATHER.
11. ALL CONCRETE SLAB WORK SHALL BE PROPERLY CURED IN CONFORMANCE WITH ACI 308. EITHER WATER CURING, WATERPROOF PAPER CURING, PLASTIC SHEET, OR SPRAY–ON SEALING MATERIALS METHOD MAY BE USED PROVIDED THAT THE METHOD CHOSEN HAS NO DETRIMENTAL EFFECT ON THE FINAL FINISH SPECIFIED FOR THE RESPECTIVE AREAS. THE PROPOSED CURING METHOD TO BE USED SHALL BE APPROVED BY THE ARCHITECT.
12. BUILDING SLABS ON GRADE SHALL BE 4" MINIMUM THICKNESS EXCEPT THAT THE SLAB ON GRADE FOR THE BOILER ROOM SHALL BE 6" MINIMUM THICKNESS.
13. BUILDING SLABS ON COMPOSITE METAL FLOOR DECK AT THE UTILITY PLATFORM AREAS SHALL BE 6" MINIMUM THICKNESS MEASURED FROM THE BOTTOM OF THE DECK CORRUGATIONS.
14. PLACE 1/4" PRE–FORMED, IMPREGNATED EXPANSION JOINT FILLER FULL DEPTH OF SLAB ON GRADE AT ABUTTING WALL SURFACES UNLESS OTHERWISE NOTED.
15. PROVIDE 1/4" EXPANSION JOINT MATERIAL WRAP AROUND BOND BREAK ALL COLUMN SHAFTS AT SLAB ON GRADE LOCATIONS.
16. PROVIDE CONSTRUCTION OR CONTROL JOINTS IN SLABS ON GRADE IN LOCATIONS AS NOTED ON FOUNDATION PLAN OR AT OTHER LOCATIONS APPROVED OR REQUIRED BY THE ARCHITECT. BUT SPACING OF JOINTS SHALL NOT EXCEED 14 FEET IN ANY DIRECTION.
17. THE TYPE OF JOINT USED WHETHER CONTROL JOINT OR CONSTRUCTION JOINT IS THE OPTION OF THE CONTRACTOR UNLESS OTHERWISE NOTED ON THE DRAWINGS.
18. SAW JOINTS AT CONTROL JOINT LOCATIONS IN THE CONCRETE SLABS ON GRADE SHALL BE MADE AS SOON AS THE CONCRETE HAS SUFFICIENT STRENGTH TO PREVENT SPALLING OF THE JOINT DUE TO THE ACTION OF THE SAW, BUT IN NO CASE GREATER THAN 4 HOURS AFTER INITIAL PLACEMENT OF THE CONCRETE.
19. SLAB JOINT FILLER FOR THESE SAWED JOINTS IF REQUIRED SHALL BE OF THE TYPE COMPATIBLE WITH THE FINAL FLOOR COVERING USED. SLAB JOINTS UNDER PERMANENT PARTITIONS OR CASE WORK NEED NOT BE FILLED.
20. DO NOT SAW CONTROL JOINTS FOR THE SUSPENDED SLABS ON COMPOSITE METAL DECK.
21. LOCATION OF SAW JOINTS IN THE SLABS ON GRADE SHALL CLOSELY MATCH THE LOCATION OF ANY JOINTS THAT MAY BE REQUIRED FOR SPECIAL FLOOR FINISHES.
22. CHAMFER EXPOSED EDGES AND CORNERS OF CONCRETE 3/4" UNLESS OTHERWISE NOTED.
23. SEE ARCHITECTURAL DRAWINGS FOR REQUIRED FLOOR FINAL FINISHES AND PROVIDE NECESSARY SLOPES, DEPRESSIONS, AND SLAB FINISH AS REQUIRED TO ACCEPT THE SPECIFIED FINAL FINISHES.
24. GYMNASIUM FLOOR SLAB SHALL BE DEPRESSED 2 17/32" FOR WOOD PLAYING FLOOR INSTALLATION. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DETAILS RELATING TO THE WOOD FLOOR INSTALLATION.
25. ALL GANG TOILET FLOOR SLABS SHALL BE DEPRESSED 2" FOR TILE AND SETTING BED. REFER TO ARCHITECTURAL FOR EXACT EXTENTS AND DETAILS OF THESE DEPRESSED FLOOR AREAS.
26. REFER TO ARCHITECTURAL DRAWINGS FOR ALL OTHER FLOOR AREAS SUCH AS KITCHEN, FREEZER, AND COOLER REQUIRING DEPRESSIONS AND SLOPES FOR FINAL FLOOR FINISH.

REINFORCING STEEL

1. BARS SHALL BE ROLLED FROM NEW BILLET–STEEL CONFORMING TO "SPECIFICATION FOR DEFORMED BILLET–STEEL BARS FOR CONCRETE REINFORCEMENT," ASTM A615, GRADE 60.
2. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185.
3. DETAIL AND FABRICATE REINFORCING STEEL IN ACCORDANCE WITH "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES," ACI 315.
4. REINFORCING STEEL SHALL CLEAN AND FREE OF GREASE, OIL OR OTHER DELETERIOUS MATERIALS THAT WILL INHIBIT FULL BONDING WITH THE CONCRETE WHEN IN PLACE.
5. ALL REINFORCING SHALL BE INSPECTED AS REQUIRED BY THE SPECIAL INSPECTION SCHEDULED BELOW AND REVIEWED BY THE ARCHITECT PRIOR TO PLACING CONCRETE.
6. CONCRETE BRICK TYPE SUPPORTS MAY BE USED IN FOUNDATION WORKS PROVIDED THE REBAR SUPPORT BRICKS ARE MANUFACTURED FOR THAT PURPOSE AND HAVE AN EMBEDDED TIE WIRE FOR TYING OFF THE SUPPORTED REBAR MAT.
7. SLABS ON GRADE SHALL BE PLACED WITH A PLANT BATCHED 4 POUNDS PER CUBIC YARD DOSAGE OF PROPEX 650 (OR APPROVED EQUAL) MACRO FIBER.
8. CONCRETE WITH MACRO FIBER SHALL BE PLANT BATCHED AND PLACED UNDER THE SUPERVISION OF THE FACTORY REPRESENTATIVE OF THE FIBER SUPPLIER. OF THE REPRESENTATIVE SHALL ISSUE A WRITTEN CERTIFICATION OF HIS SUPERVISORY OBSERVATION.
9. PLACE ONE LAYER OF 6 X 6 – W2.9 X W2.9 WWF AT 3/4" CLEAR FROM TOP OF ELEVATED SLABS ON COMPOSITE METAL DECK AT SECOND FLOOR AND UTILITY PLATFORM SLABS. TIE WWF TO REINFORCING STEEL OVER STEEL BEAMS TO PREVENT MOVEMENT WHILE PLACING THE FRESH CONCRETE. IN ADDITION PROVIDE ONE LINE OF CONTINUOUS SLAB BOLSTERS AT MID SPAN OF ALL ELEVATED SLABS TO SUPPORT WWF IN THE PROPER POSITION AND TIE OFF TO PREVENT MOVEMENT DURING CONCRETE PLACEMENT OPERATIONS.
10. PROVIDE WWF IN FLAT SHEETS. ROLLED WWF WILL NOT BE ACCEPTED ON THIS JOB.
11. LAP ALL WWF END SPLICES TWO FULL MESHES AND ALL SIDE LAP SPLICES ONE FULL MESH AND TIE OFF WITH STANDARD TIE WIRES.
12. FABRICATE REBARS IN CONTINUOUS FOOTINGS, WALLS, BOND BEAMS, AND MONOLITHIC TURNED DOWN SLABS TO LONGEST PRACTICAL LENGTHS. CENTER SPLICES AND PLACE SPLICES AT POINTS OF MINIMUM STRESS.
13. LAP HORIZONTAL REBAR SPLICES FOOTINGS AND WALLS A MINIMUM OF 48 BAR DIAMETERS BUT A MINIMUM OF 24" UNLESS OTHERWISE NOTED. PLAN REBAR SPLICES TO OCCUR AT POINTS OF MINIMUM STRESS UNLESS OTHERWISE SHOWN.
14. BARS IN INDIVIDUAL COLUMN SPREAD FOOTINGS SHALL NOT BE SPLICED.
15. TERMINATE CONTINUOUS BARS IN WALL FOOTINGS, WALLS, BOND BEAMS AND TURNED DOWN SLABS WITH A STANDARD 90 DEGREE HOOK AT DISCONTINUOUS ENDS, CORNERS, AND INTERSECTIONS.
16. AT LOCATIONS REQUIRING VERTICAL OR HORIZONTAL DOWELS INTO FOOTINGS AND PLACEMENT OF THE DOWELS SHALL MATCH THE SIZE AND CLOSELY MATCH THE LOCATION OF THE VERTICAL AND HORIZONTAL REBARS REQUIRING THE DOWELS.
17. ALL DOWELS SHALL TERMINATE IN THE FOOTING OR ELEVATED SLAB WITH A STANDARD ACI 90 OR 180 DEGREE HOOK AS APPROPRIATE UNLESS SPECIFICALLY SHOWN OTHERWISE. DOWELS SHALL LAP THEIR MATCHING VERTICAL AND HORIZONTAL REBARS 48 BAR DIAMETERS UNLESS OTHERWISE NOTED.
18. PROVIDE THE FOLLOWING CLEARANCES FROM REBARS TO CONCRETE FACE UNLESS OTHERWISE NOTED ON DRAWINGS:

A)	EARTH FORMS	– 3"
B)	WALL FORMS	– 2"
C)	PEDESTAL FORMS	– 2"
D)	TOP OF SLAB	– 3/4"
E)	SLAB FORMS	– 1"
F)	STANDARD CMU WYTHE	– CENTER BARS IN CENTER OF WYTHE

19. UNLESS OTHERWISE NOTED OR SPECIFIED PROVIDE #6 VERTICAL REINFORCING AT 24" OC FOR EXTERIOR MASONRY WALLS.
20. UNLESS OTHERWISE NOTED OR SPECIFIED PROVIDE #5 VERTICAL REINFORCING AT 48" OC FOR INTERIOR MASONRY WALLS.
21. UNLESS OTHERWISE NOTED OR SPECIFIED PROVIDE #8 VERTICAL REINFORCING AT 16" OC FOR 8" CMU FIREWALLS. PROVIDE 48" LAP AT ALL SPLICES.
22. PROVIDE REBAR POSITIONING DEVICES SUCH AS CORELOCK (OR APPROVED EQUAL)BY HRE–BOND FOR SECURING VERTICAL REINFORCING BARS IN THE CENTER OF ALL CMU WYTHES.
23. SUBMIT SHOP DRAWINGS FOR REINFORCING STEEL APPROVAL PRIOR TO FABRICATION.

CONCRETE AND BRICK MASONRY

1. STANDARD CONCRETE MASONRY UNITS SHALL BE LIGHTWEIGHT OR BLENDED LIGHTWEIGHT UNITS CONFORMING TO ASTM C90 WITH A COMPRESSIVE STRENGTH OF 1900 PSI MINIMUM TESTED IN ACCORDANCE WITH ASTM C140.
2. BRICK VENEER UNIT SHALL BE FULLY FIRED VITRIFIED CLAY UNITS AS SELECTED BY THE ARCHITECT.
3. ALL MORTAR SHALL BE TYPE "S" PER PROPORTION SPECIFICATION ASTM C270.
4. CONCRETE MASONRY DESIGN f'm = 1500 PSI.
5. WALLS SHALL BE ACCURATELY LAID OUT AND CONSTRUCTED SO THAT NO WALL VARIES MORE THAN 1/4" FROM ITS DESIGNATED LOCATION. THIS VARIATION LIMIT SHALL APPLY TO WALL PLUMBNESS AND WALL STRAIGHTNESS.
6. ALL BED AND HEAD JOINTS SHALL BE FULLY MORTARED.
7. HORIZONTAL JOINT REINFORCING FOR ALL SINGLE WYTHE CONCRETE MASONRY WALLS SHALL BE GALVANIZED HEAVY DUTY TRUSS TYPE HORIZONTAL JOINT REINFORCEMENT BY HOHMAN AND BARNARD OR APPROVED EQUAL. HORIZONTAL JOINT REINFORCEMENT SHALL BE VERTICALLY SPACED AT 16" OC MAXIMUM.
8. THE HEAVY DUTY TRUSS TYPE HORIZONTAL JOINT REINFORCING SHALL HAVE 3/16" SIDE RODS AND #9 DIAGONAL CROSS RODS. LAP ALL REINFORCEMENT JOINTS A MINIMUM OF 12".
9. HORIZONTAL JOINT REINFORCING FOR ALL MULTIPLE WYTHE EXTERIOR MASONRY WALLS SHALL BE GALVANIZED HEAVY DUTY TRUSS TYPE HORIZONTAL JOINT REINFORCEMENT BY HOHMAN AND BARNARD OR APPROVED EQUAL. THE HORIZONTAL MOVEMENT OF ENDS TIE PINTLE ELEMENT SHALL BE LIMITED TO 1/16" TOTAL MOVEMENT WHEN INSTALLED.
10. PROVIDE PREFABRICATED TEE AND CORNER PIECES AT CMU WALL INTERSECTIONS.
11. ALL MASONRY WALLS SHALL BE BONDED AT CORNERS UNLESS OTHERWISE NOTED ON THE PLANS. REFER TO ARCHITECTURAL DRAWINGS FOR CORNER AND TEE WALL INTERSECTION REQUIREMENTS AT MASONRY PARTITIONS AND LOAD BEARING WALLS.
12. ALL CMU WALLS SHALL BE TIED TO ALL CONTACT FACES OF ALL STEEL COLUMNS WITH FIELD WELDED HEAVY DUTY ADJUSTABLE TIES AS NOTED ON THE DRAWINGS. PROVIDE MINIMUM 97 MIL GALVANIZED STAMPED STEEL ANCHORS WITH AN INTEGRAL VERTICAL SLOT TO LIMIT HORIZONTAL MOVEMENT OF THE TRIANGULAR WIRE TIE ELEMENT TO 1/16" INSTALLED. DO NOT USE THE BENT WIRE TYPE ANCHORS FIELD WELDED TO THE COLUMN.
13. ALL CMU WALLS SHALL BE FASTENED TO THE TOP AND BOTTOM FLANGES OF EMBEDDED STEEL BEAMS WITH THE 3/4" DIAMETER X 2'–0" LONG ALL THREAD ROD DOWELS SPACED AT 24" OC AS NOTED ON THE DRAWINGS.
14. ALL CMU INTERIOR, CORRIDOR WALLS, AND DEMISING WALLS SHALL BE LAID UP TIGHT TO THE BOTTOM FLANGES OF THE FIRST FLOOR STEEL BEAMS AND GIRDERS UNLESS OTHERWISE NOTED.
15. PROVIDE VERTICAL CRACK CONTROL JOINTS IN ALL MASONRY WALLS AT INTERVALS SHOWN ON THE ARCHITECTURAL DRAWINGS. CONTROL JOINT INTERVALS SHALL NOT EXCEED 32'.
16. UNLESS OTHERWISE NOTED LINTELS FOR MASONRY OPENINGS AND CMU BULKHEADS UP TO 6'–8" IN CONCRETE MASONRY WALLS (CMU) SHALL BE BOND BEAM TYPE LINTELS OF PROPER LENGTH TO PROVIDE 16" BEARING EACH END.

    PROVIDE 1 – #5 CONTINUOUS TOP AND BOTTOM FOR 8" X 8" CMU BOND BEAM LINTELS FOR BULKHEADS AND OPENINGS UP TO 6'–8" IN 8" CMU WALLS UNLESS OTHERWISE NOTED.

    PROVIDE 2 – #5 CONTINUOUS TOP AND BOTTOM FOR 8" X 12" CMU BOND BEAM LINTELS FOR BULKHEADS AND OPENINGS UP TO 6'–8" IN 12" CMU WALLS UNLESS OTHERWISE NOTED.
17. WHERE A STEEL COLUMN OCCURS IN INTERIOR AND EXTERIOR CMU WALLS THAT PRECLUDE THE PROPER 16" MINIMUM BEARING LENGTH OF THE BOND BEAM TYPE LINTEL A STEEL BEAM AND PLATE LINTEL SHALL BE PROVIDED AND SHALL BE CONNECTED DIRECTLY TO THE STEEL COLUMN AT THE END OF DEFICIENT BEARING LENGTH. REFER TO THE PLANS AND/OR LINTEL SCHEDULE AS APPLICABLE FOR ALL STEEL MEMBER LINTELS.
18. ALL DOOR, WINDOW, AND OPENING JAMBS IN CMU WALLS SHALL BE FILLED WITH 3000 PSI CONCRETE FOR 2'–0" WIDTH (3 CELLS) FROM LINTEL BEARING DOWN TO FLOOR. PROVIDE 1 – #6 BAR IN EACH FILLED CELL OF JAMBS IN EXTERIOR WALLS AND PROVIDE 1 – #5 BAR IN EACH FILLED CELL OF JAMBS IN INTERIOR WALLS.
19. ALL CONCRETE MASONRY UNITS BELOW FINISH FLOOR AND/OR BELOW FINISH GRADE SHALL BE 100% GROUTED SOLID WITH 3000 PSI FINE AGGREGATE CONCRETE MASONRY GROUT CONFORMING TO ASTM C476 OR 3000 PSI CONCRETE WITH 3/8" MAXIMUM COARSE AGGREGATE SIZE. AT CONTRACTORS OPTION 3000 PSI SELF CONSOLIDATING CONCRETE GROUT MAY BE UTILIZED FOR MASONRY GROUTING PURPOSES WITH PROPER PRECAUTIONS TAKEN FOR THE HYDROSTATIC PRESSURE ISSUES.
20. IN ADDITION IN ALL MULTIPLE WYTHE MASONRY WALLS THE CAVITY COLLAR JOINT SPACE BETWEEN WYTHES BELOW GRADE SHALL BE GROUTED SOLID AT THE TIME THE BRICK WYTHE IS BEING LAID WITH 3000 PSI FINE AGGREGATE CONCRETE MASONRY GROUT CONFORMING TO ASTM C476 OR 3000 PSI CONCRETE WITH 3/8" MAXIMUM COARSE AGGREGATE SIZE. AT CONTRACTORS OPTION 3000 PSI SELF CONSOLIDATING CONCRETE GROUT MAY BE UTILIZED FOR MASONRY GROUTING PURPOSES WITH PROPER PRECAUTIONS TAKEN FOR THE HYDROSTATIC PRESSURE ISSUES.
21. UNLESS OTHERWISE NOTED PROVIDE WEEP HOLES AT 32" OC MAXIMUM ABOVE ALL WALL FLASHING LOCATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION AND DETAILS OF ALL FLASHING AND WEEP HOLES.
22. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ADEQUATE TEMPORARY BRACING AND GUYING OF ALL MASONRY WALLS TO PROVIDE FOR SAFETY OF THE STRUCTURE AND WORKMEN. BRACING TO REMAIN UNTIL NO LONGER REQUIRED FOR SAFE SUPPORT OF WALLS.
23. UNLESS OTHERWISE NOTED OR SPECIFIED PROVIDE #6 VERTICAL REINFORCING AT 24" OC FOR EXTERIOR MASONRY WALLS.
24. UNLESS OTHERWISE NOTED OR SPECIFIED PROVIDE #5 VERTICAL REINFORCING AT 48" OC FOR INTERIOR MASONRY WALLS.
25. UNLESS OTHERWISE NOTED OR SPECIFIED PROVIDE #8 VERTICAL REINFORCING AT 16" OC FOR 8" CMU FIREWALLS. PROVIDE 48" LAP AT ALL SPLICES.

STRUCTURAL STEEL

1. STEEL WIDE FLANGE SHAPES SHALL CONFORM TO STRUCTURAL STEEL – ASTM A992, Fy = 50 KSI, Fu = 65 KSI.
   STEEL CHANNELS, PLATES, ANGLES, BARS, AND RODS – ASTM A36, Fy = 36 KSI, Fu = 58 KSI.
   PIPE COLUMNS – ASTM A53, GRADE B, Fy = 35 KSI, Fu = 60 KSI.
   BOLTS – ASTM A325.
   FLAT WASHERS – ASTM F436.
   WELDS – AWS CLASS E70 LOW HYDROGEN ELECTRODES.
   TUBE COLUMNS – ASTM A500, GRADE B, Fy = 46 KSI, Fu = 58 KSI.
   COLUMN ANCHOR RODS – ASTM F1554 GRADE 36.
   HEADED SHEAR STUDS – ASTM A108.
2. ALL STEEL WORK SHALL CONFORM TO "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS – ALLOWABLE STRESS DESIGN" AND THE AISC CODE OF STANDARD PRACTICE.
3. CONNECTION BOLTS SHALL BE 3/4" DIAMETER ASTM A325 BOLTS WITH PROPER HARDENED WASHERS AND HEX NUTS UNLESS OTHERWISE NOTED. ALL BOLTS AND INSTALLATION PROCEDURES SHALL BE IN ACCORDANCE WITH THE AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING A325 AND A490 BOLTS."
4. UNLESS OTHERWISE NOTED ALL SHEAR CONNECTION BOLTS SHALL BE TIGHTENED TO A "SNUG TIGHT" CONDITION AS DEFINED BY AISC. UNLESS OTHERWISE NOTED ALL MOMENT CONNECTION BOLTS SHALL BE TIGHTENED TO A "FULLY PRE–TENSIONED" CONDITION AS DEFINED BY AISC.
5. INSTALL A SUITABLE HARDENED WASHER UNDER THE HEAD OR NUT, WHICHEVER IS USED AS THE TURNED ELEMENT FOR TIGHTENING AND OVER ALL EXPOSED SLOTTED OR OVERSIZED HOLES.
6. UNLESS OTHERWISE NOTED ON THE PLANS ALL CONNECTION BOLTS SHALL BE DESIGNED AS BEARING TYPE WITH TREADS IN THE SHEAR PLANE.
7. ALL WELDING SHALL BE DONE BY WELDING OPERATORS CERTIFIED JOB. ACCORDING TO AWS D1. FOR THE WELDING POSITIONS AND WELDING EQUIPMENT BEING USED FOR MAKING THE CONNECTIONS REQUIRED FOR THIS JOB.
8. UNLESS OTHERWISE NOTED MASONRY SUPPORTED BEAMS BEARING PERPENDICULAR TO MASONRY WALLS SHALL BEAR A MINIMUM OF 6" ON SOLID MASONRY AT EXPOSED 8" CMU WALLS AND 8" ON SOLID MASONRY AT CONCEALED 8" CMU WALLS AND 8" ON SOLID MASONRY AT 12" CMU WALLS. MASONRY SUPPORTED BEAMS AND PLATE LINTELS BEARING PARALLEL TO MASONRY WALLS SHALL BEAR A MINIMUM OF 12" ON SOLID MASONRY. PROVIDE 2 – ANCHOR RODS AT ALL BEAM AND PLATE STEEL LINTELS BEARING ON MASONRY.
9. ALL COPES, CUTS, BLOCKS, NOTCHES SHALL HAVE SMOOTH RE–ENTRANT RADIUSES OF 1/2" MINIMUM RADIUS.
10. RETURN ALL WELDS AT CORNERS A MINIMUM OF TWICE THE NOMINAL SIZE OF THE WELD.
11. PROVIDE HOLES FOR BLOCKING AND NAILER BOLTS AS REQUIRED BY ARCHITECTURAL DRAWINGS.
12. STRUCTURAL STEEL SHALL RECEIVE ONE COAT OF GREY OXIDE PAINT OF 2 MIL DFT. SURFACE PREPARATION SHALL BE POWER TOOL CLEANING CONFORMING TO SSPC–SP3. ALL SHOP PRIMER SHALL BE COMPATIBLE WITH THE TYPE FIREPROOFING SPECIFIED. DO NOT PRIME TOP FLANGES OF BEAMS SCHEDULED TO RECEIVE COMPOSITE METAL DECK AND CONCRETE SLAB REINFORCEMENT.
13. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ADEQUATE TEMPORARY BRACING AND GUYING OF STEEL FRAMING AND LOAD BEARING WALLS TO PROVIDE FOR SAFETY OF THE STRUCTURE AND WORKMEN. BRACING TO REMAIN UNTIL NO LONGER REQUIRED FOR SAFE SUPPORT OF FRAMING.
14. REFER TO BEAM SHORING SCHEDULE FOR REQUIRED TEMPORARY SHORING REQUIREMENTS OF COMPOSITE BEAMS AND LINTEL BEAMS.
15. COLUMN CAP AND BASE PLATES SHALL BE FULLY WELDED ALL AROUND TO COLUMN SHAFT WITH 5/16" FILLET WELDING UNLESS OTHERWISE NOTED.
16. ALL COLUMNS SHALL HAVE A MINIMUM OF 4 ANCHOR RODS UNLESS OTHERWISE NOTED. SET ANCHOR RODS ON A SQUARE PATTERN UNLESS OTHERWISE NOTED ON THE DRAWINGS.
17. ALL COLUMN CAP PLATES SUPPORTING OR BEING CONNECTED TO OTHER MEMBERS SHALL BE 3/4" MINIMUM THICKNESS UNLESS OTHERWISE NOTED. COLUMN CAP PLATES AT CORNER COLUMNS SUPPORTING MORE THAN TWO MEMBERS SHALL BE 1" MINIMUM THICKNESS AND BE EXTENDED AND STIFFENED AS REQUIRED FOR CONNECTIONS. MINIMUM STIFFENER THICKNESS SHALL BE 1/2" AND SHALL BE WELDED WITH 5/16" FILLET WELDING BOTH SIDES UNLESS OTHERWISE NOTED.
18. ALL OTHER COLUMN CAP PLATES NOT SUPPORTING OR BEING CONNECTED TO OTHER MEMBERS SHALL BE CAPPED WITH 1/2" MINIMUM THICKNESS PLATES.
19. SHEAR TAB PLATES ATTACHED TO COLUMN OR BEAMS SHALL BE 1/2" MINIMUM THICKNESS AND SHALL BE WELDED TO THE SUPPORT MEMBER WITH 5/16" FILLET WELDS BOTH SIDES.
20. STABILIZER PLATES FOR JOIST BOTTOM CHORDS AT COLUMNS OR BEAMS SHALL BE 3/4" X 6" X 0'–6" MINIMUM AND SHALL BE SHOP WELDED TO COLUMN OR BEAM WITH 5/16" FILLET WELDS BOTH SIDES.
21. STABILIZER PLATES FOR JOIST GIRDER BOTTOM CHORDS AT COLUMNS OR BEAMS SHALL BE 1" X 8" X 0'–8" MINIMUM AND SHALL BE SHOP WELDED TO COLUMN OR BEAM WITH 5/16" FILLET WELDS BOTH SIDES.
22. UNLESS OTHERWISE NOTED PROVIDE 2" NOMINAL GRUOT THICKNESS UNDER COLUMN BASE PLATES TO ALLOW FOR A HEAVY HEX LEVELING NUT AND FLAT WASHER TO BE PLACED ON EACH ANCHOR BOLT ON THE UNDERSIDE OF THE COLUMN BASE PLATE FOR PRECISION LEVELING AND PLUMBING THE COLUMN. PROVIDE A STANDARD FLAT WASHER UNDER A HEAVY HEX CLAMPING NUT ON TOP OF THE BASE PLATE FOR EACH ANCHOR BOLT.
23. ALL LINTEL ANGLES, BEAMS AND PLATES IN EXTERIOR WALLS SHALL BE HOT DIP GALVANIZED TO G60 STANDARDS AFTER FABRICATION. ALL INTERMITTENT WELDS AND OTHER SEAMS ON GALVANIZED BEAM AND PLATE LINTELS SHALL BE SEALED.
24. PROVIDE SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION.

BEAM AND LINTEL SHORING SCHEDULE

1) ALL BEAMS SCHEDULED TO RECEIVE HEADED SHEAR STUDS WITH SPANS LESS THAN 16' DO NOT REQUIRE TEMPORARY SHORING.
2) BEAMS SCHEDULED TO RECEIVE HEADED SHEAR STUDS WITH SPANS FROM 16'–1" TO 32'–0" SHALL BE TEMPORARILY SHORED AT MIDSPAN UNTIL THE COMPOSITE CONCRETE SLAB BEING SUPPORTED BY THE BEAM REACHES 3000 PSI COMPRESSIVE STRENGTH.
3) BEAMS SCHEDULED TO RECEIVE HEADED SHEAR STUDS WITH SPANS GREATER THAN 32'–1" SHALL BE TEMPORARILY SHORED AT EQUAL INTERVALS OF 16'–0" MAXIMUM SPACING UNTIL THE COMPOSITE CONCRETE SLAB BEING SUPPORTED BY THE BEAM REACHES 3000 PSI COMPRESSIVE STRENGTH.
4) ALL BEAM AND STEEL LINTELS WITH SPANS GREATER THAN 12'–0" SHALL BE TEMPORARILY SHORED AT MIDSPAN UNTIL ALL SUPPORTED MASONRY HAS CURED FOR 7 DAYS MINIMUM.
5) ALL SHORING MEMBERS SHALL BE ADJUSTABLE HEIGHT AND SHALL BE ABLE TO BE REMOVED BY CRANKING DOWN GRADUALLY RATHER THAN SUDDENLY KNOCKED OUT TO PREVENT ANY SUDDEN JOLT TO THE STRUCTURE.

STEEL JOISTS AND JOIST GIRDERS

1. STEEL JOISTS SHALL CONFORM TO STEEL JOIST INSTITUTE (SJI) "K", "KCS", AND "LH" SERIES JOISTS AND ACCESSORIES.
2. JOIST GIRDERS SHALL CONFORM TO SJI "G" SERIES GIRDERS AND ACCESSORIES.
3. BEARING DEPTH OF SLOPING "K" AND "KCS" SERIES JOISTS SHALL BE 5" OR 7" UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS. ALL STEEL JOIST, JOIST GIRDER, AND STEEL BEAM BEARING DETAILS SHALL BE CLOSELY AND COMPLETELY JOINTLY COORDINATED BY THE STEEL FABRICATOR AND JOIST FABRICATOR.
4. BEARING DEPTH OF "G" SERIES GIRDERS SHALL BE 7 1/2" MINIMUM. PROVIDE DEEPER BEARING DEPTHS AS REQUIRED. ALL STEEL JOIST, GIRDER, AND STEEL BEAM BEARING DETAILS SHALL BE CLOSELY AND COMPLETELY JOINTLY COORDINATED BY THE STE

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FIRE PROTECTION NOTES:

1) REFERENCE ARCHITECTURAL, STRUCTURAL, HVAC & ELECTRICAL DRAWINGS, AND SPECIFICATIONS PRIOR TO CONSTRUCTION. ALSO REFERENCE DIVISION 13 SPECIAL CONSTRUCTION SPECIFICATION SECTION 13900.

2) ALL FIRE SPRINKLER CONSTRUCTION BY GENERAL CONTRACTOR.

3) SPRINKLER SYSTEM CONTRACTOR SHALL SUBMIT WORKING DRAWINGS & HYDRAULIC CALCULATIONS IN COMPLIANCE WITH NFPA 13 TO BOTH ENGINEER AND AUTHORITY HAVING JURISDICTION PRIOR TO CONSTRUCTION. DRAWINGS IN MICROSTATION, AUTOCAD OR DXF FORMATS ARE AVAILABLE THROUGH ARCHITECT.

4) ALL SPRINKLER SYSTEM MATERIALS AND COMPONENTS SHALL BE UL LISTED OR FM APPROVED.

5) PROVIDE ACCESS PANELS IN NON-ACCESSIBLE GENERAL CONSTRUCTION SUBSTRATES FOR MAINTENANCE AND OPERATION OF ALL CONCEALED VALVES, FLOW SENSING DEVICES AND SYSTEM AUXILIARIES.

6) COORDINATE ALL UTILITY SERVICE PIPING BEYOND BUILDING EXTERIOR WITH SITE SUBCONTRACTOR. UNDER THIS CONTRACT, PIPING SHALL TERMINATE AS SHOWN ON CIVIL ENGINEERING DRAWINGS. PIPING FROM THIS POINT TO UTILITY CONNECTIONS WILL BE UNDER A SEPARATE CONTRACT.

7) COORDINATE CEILING SPRINKLER HEAD LOCATIONS WITH WITH LIGHTING LAYOUT AND REFLECTED CEILING PLANS. FINAL LOCATIONS SHALL BE APPROVED BY ARCHITECT. SPRINKLER HEAD SHALL NOT DEVIATE MORE THAN 6" FROM CENTER OF LAY-IN CEILING TILE. SPRINKLER LOCATIONS INDICATE COVERAGE REQUIRED. DESIGNER SHALL DESIGNATE FINAL TYPE, LOCATION AND QUANTITY.

8) SIDEWALL SPRINKLER HEADS SHALL BE INSTALLED PLUMB AND LEVEL ALONG A COMMON ELEVATION.

9) ALL PIPING INTERIOR TO BUILDING SHALL BE INSTALLED CONCEALED ABOVE CEILINGS UNLESS NOTED OTHERWISE.

10) PIPE 2½" & LARGER SHALL BE SCHD 10 WITH ROLLED-GROOVE FITTINGS; PIPE 2" AND SMALLER SHALL BE SCHEDULED 40 OR TYPE "X-L" WITH THREADED ENDS.

11) ALL SPRINKLERS SHALL HAVE CONCEALED HEADS FLUSH WITH IN FINISHED SURFACES

LEGEND

◎	½" ORIFICE RECESSED CHROME PENDANT
○	½" ORIFICE BRASS UPRIGHT PENDANT
ⓦ	15 gpm MIN. DISCHARGE WATER CURTAIN SPRINKLER
◁	DRY SIDEWALL SPRINKLER
———	U.G. SPRINKLER MAIN
▭	STANDPIPE / FIREHOSE CABINET
Ⓢ	SMOKE DETECTOR
Ⓗ	HEAT DETECTOR
——◒	POINT OF CONNECTION TO EXISTING

A.C.	ABOVE CEILING
AFF	ABOVE FINISH FLOOR
ETR	EXISTING TO REMAIN
EXIST	EXISTING CONSTRUCTION
REQ'D	REQUIRED
P.C.	PLUMBING CONTRACTOR
G.C.	GENERAL CONTRACTOR
M.C.	MECHANICAL CONTRACTOR
E.C.	ELECTRICAL CONTRACTOR

NOTE: LEGEND IS FOR REFERENCE ONLY - SYMBOLS/ ABBREVIATIONS SHOWN DO NOT NECESSARILY APPLY TO THIS PROJECT.

DESIGN CRITERIA

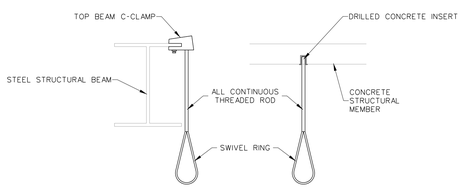
SYSTEM TYPE:	WET
CLASSIFICATION:	REFER TO SPECIFICATIONS
DENSITY:	REF. SPECS. DESIGN CRITERIA
PROTECTION AREA:	172,393 sf
PIPE SIZING:	HYD CALCS
REMOTE AREA:	1500 sf
HOSE:	250 gpm

FIRE FLOW DATA

MAIN SIZE:	6"
ELEV:	36.00'
STATIC PRESS:	72 psi (ACTUAL)
VOLUME:	920 GPM
RESIDUAL PRESS:	30 PSI
LOCATION:	HYDRANT 1

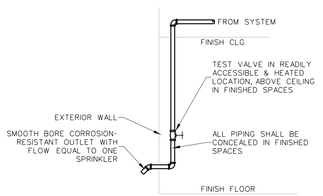
REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

NOTE: PROVIDE FIRE SPRINKLER PROTECTION FOR AREAS SHOWN ONLY. REMAINDER OF BUILDING(S) ARE NON-SPRINKLED. FOR CONSTRUCTION TYPE REFER TO ARCHITECTURAL PLANS. FIRE SPRINKLER PLANS DENOTE PENDANT AND RISER LOCATIONS TO DENOTE COVERAGE AREA ONLY. FIRE SPRINKLER CONTRACTOR SHALL REMAIN RESPONSIBLE FOR FINAL QUANTITY, TYPE, AND LOCATION. FIRE SPRINKLER CONTRACTOR SHALL SUBMIT TO ARCHITECT / ENGINEER HYDRAULIC CALCULATIONS IN ACCORDANCE WITH LATEST VERSION OF NFPA 13 AND WORKING DRAWINGS PER SPECIFICATION SECTION 13900.

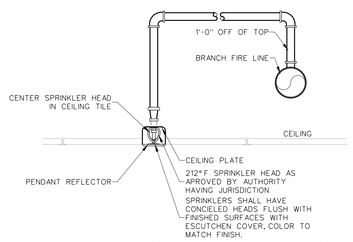


NOTE: REFERENCE SPECIFICATION SECTION 15060

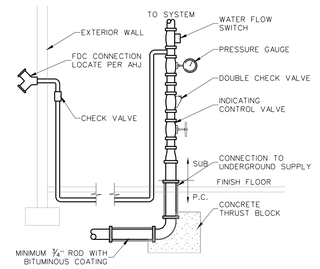
001.6 HANGER DETAILS
SCALE: none



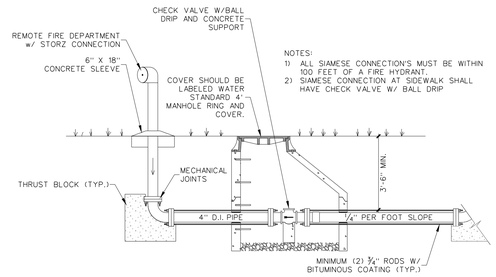
001.4 SYSTEM TEST CONNECTION
SCALE: none



001.3 SPRINKLER HEAD DETAIL
SCALE: none



001.2 SPRINKLER SYSTEM RISER
SCALE: none



001.1 SPRINKLER SYSTEM RISER / REMOTE FIRE DEPARTMENT CONNECTION
SCALE: none

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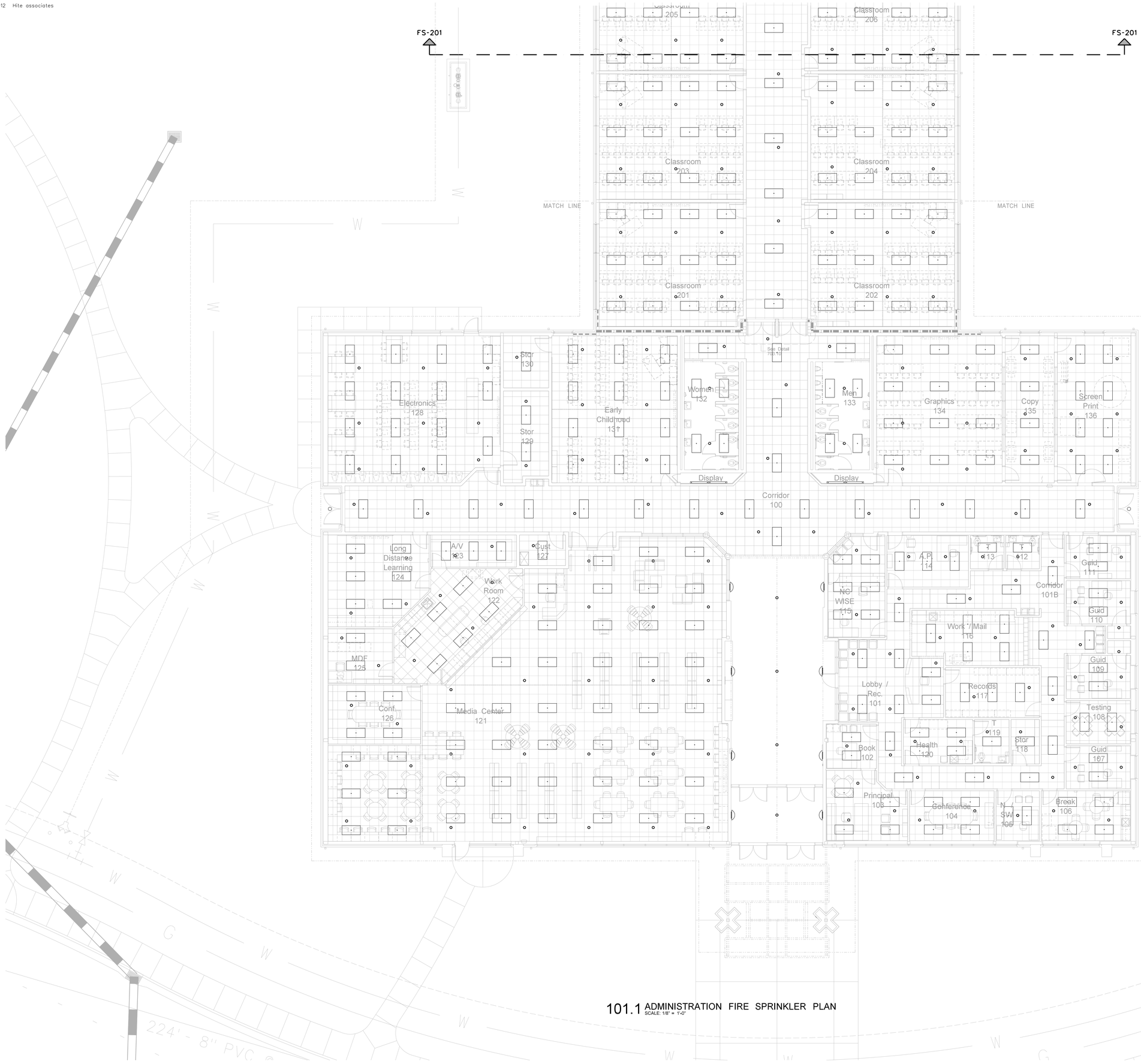
RECORD DRAWING

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RECORD DRAWING

Project No.: 21131
Date: 28 March 2012
Drawing no.: FS 001

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101.1 ADMINISTRATION FIRE SPRINKLER PLAN
SCALE: 1/8" = 1'-0"

No.	Date	Revision

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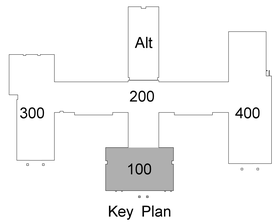
RECORD DRAWING

Project No.	21131
Date:	28 March 2012
Drawing no.	FS 101

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102.1 ADMINISTRATION EQUIPMENT PLATFORM FIRE SPRINKLER PLAN
SCALE: 1/8" = 1'-0"



Key Plan

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FS-205 FS-205 FS-303 FS-203 FS-303 FS-203 FS-101 FS-101

Computer 246
Storage 247A
Prep 247
Faculty 211
SEE SHEET A-215 FOR ENLARGED TOILET PLAN
214
213
Cl. 211-2
Classroom 212
Classroom 231
Women 215
Art I 217
Classroom 219
Classroom 221
Classroom 225
Classroom 227
Classroom 229
SEE SHEET A-215 FOR ENLARGED TOILET PLAN
SEE SHEET A-211 FOR ENLARGED FLOOR PLAN
SEE SHEET A-210 FOR ENLARGED TYPICAL CLASSROOM FLOOR PLAN
Student Commons / Corridor 200
Men 216
Health / P.E. 218
Physical Science / Physics Classroom 220
SEE SHEET A-212 FOR ENLARGED FLOOR PLAN
Prep 222
Chem Stor 223
SEE SHEET A-212 FOR ENLARGED FLOOR PLAN
Biology Classroom 224
Stor 226
Sprinkler Riser 226-2
MAINTAINE 3'-0" CLEAR AREA FOR OPERATION AND MAINTANACE OF RISER
SEE RISER DETAIL - SHEET FS-101
FIRE ALARM BELL
Computer Lab 228
SEE SHEET A-212 FOR ENLARGED FLOOR PLAN
SRO 209
A.P. 210
Classroom 230
Classroom 207
Classroom 208
Classroom 205
Classroom 206
Classroom 203
Classroom 204
Classroom 201
Classroom 202
SEE SHEET A-108 FOR ENLARGED TOILET PLAN
Stor 130
P.E. Storage 305
Cust

Alt
300
200
400
100
Key Plan

201.1 CLASSROOM WING FIRE SPRINKLER PLAN
SCALE: 1/8" = 1'-0"

No.	Date	Revision

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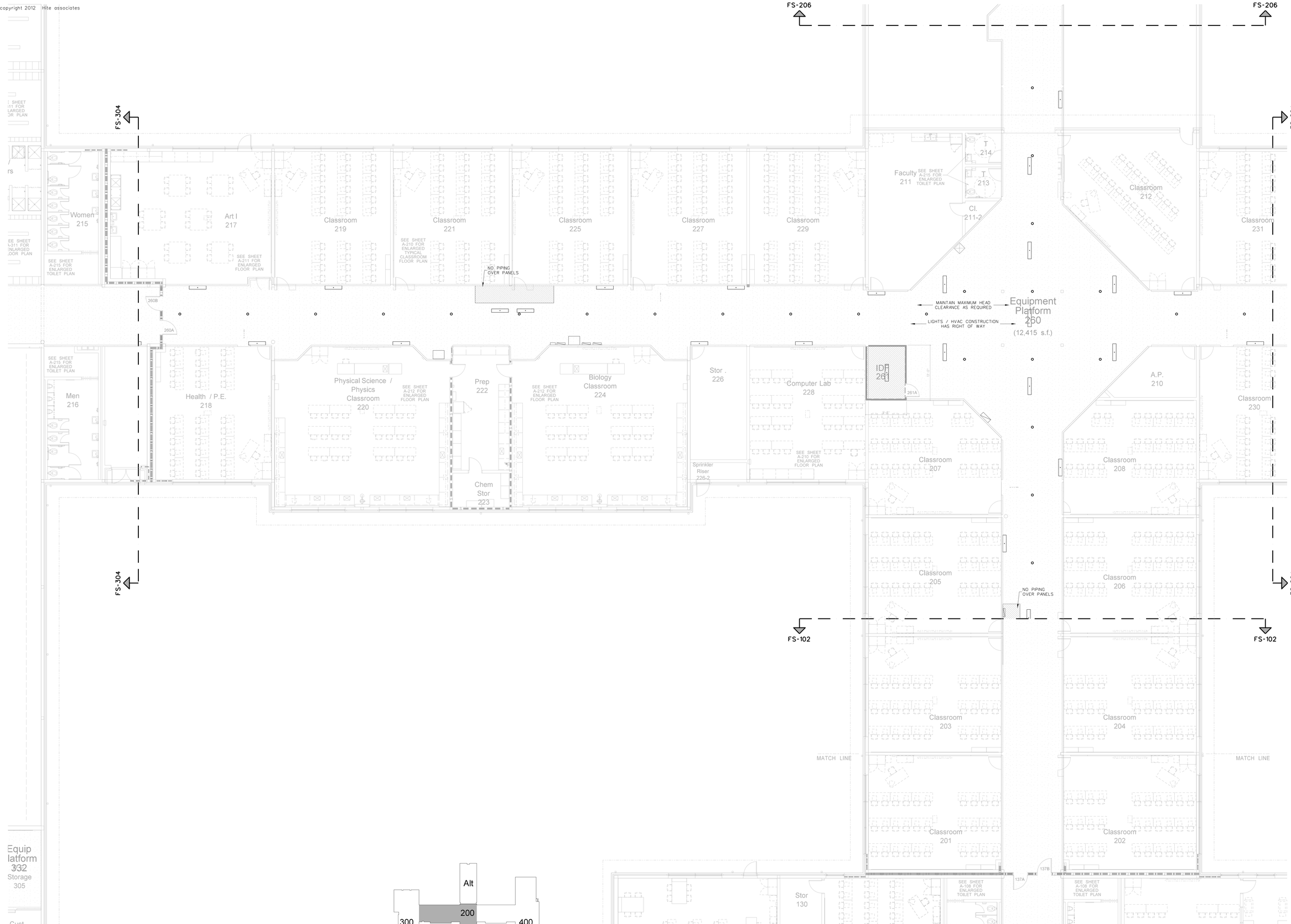
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Date: 28 March 2012
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202.1 CLASSROOM WING EQUIPMENT PLATFORM FIRE SPRINKLER PLAN
SCALE: 1/8" = 1'-0"

No.	Date	Revision

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203.1 CLASSROOM WING FIRE SPRINKLER PLAN
SCALE: 1/8" = 1'-0"

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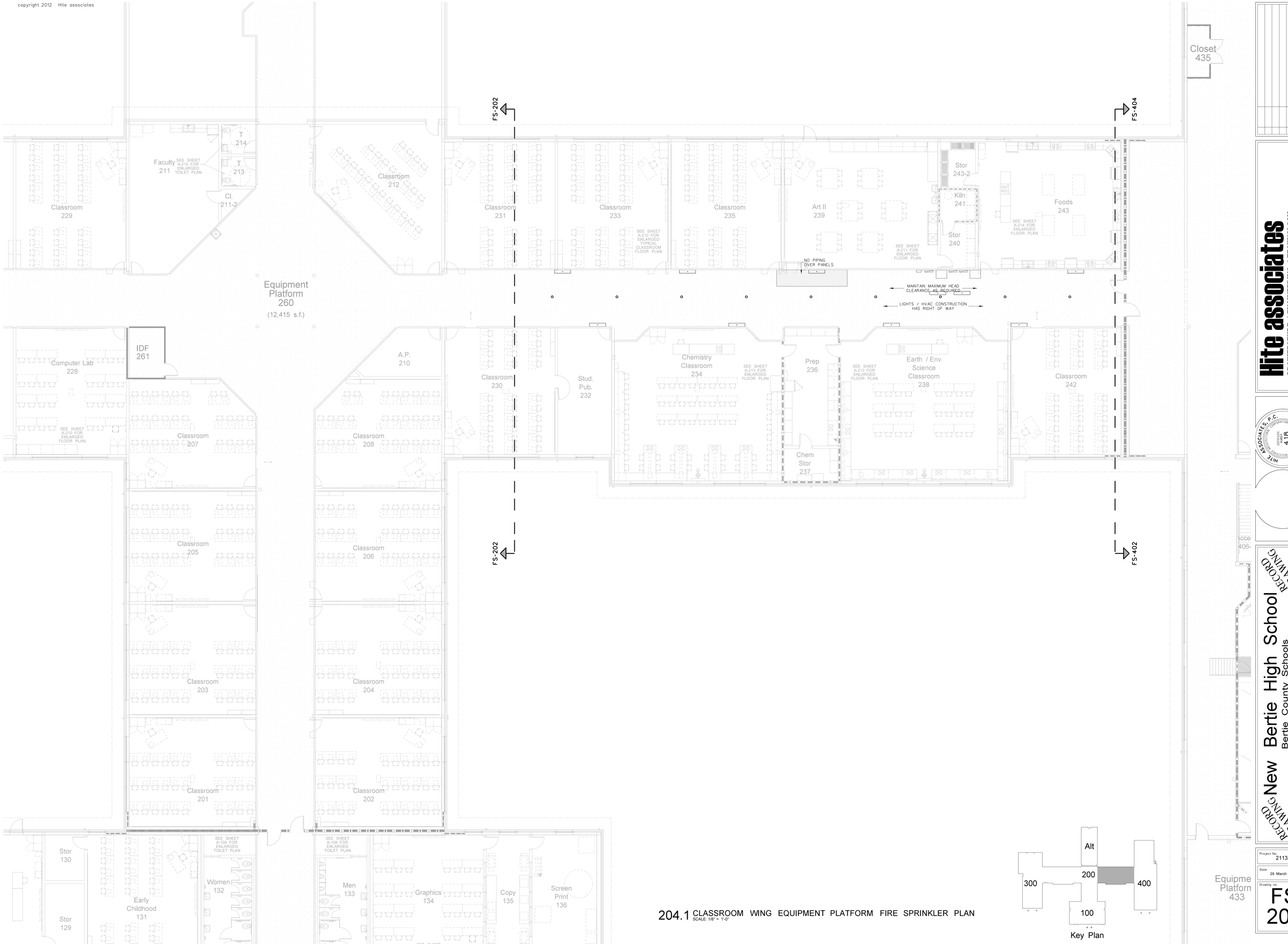
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Project No. 21131
Date: 28 March 2012
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204.1 CLASSROOM WING EQUIPMENT PLATFORM FIRE SPRINKLER PLAN
SCALE: 1/8" = 1'-0"

No.	Date	Revision

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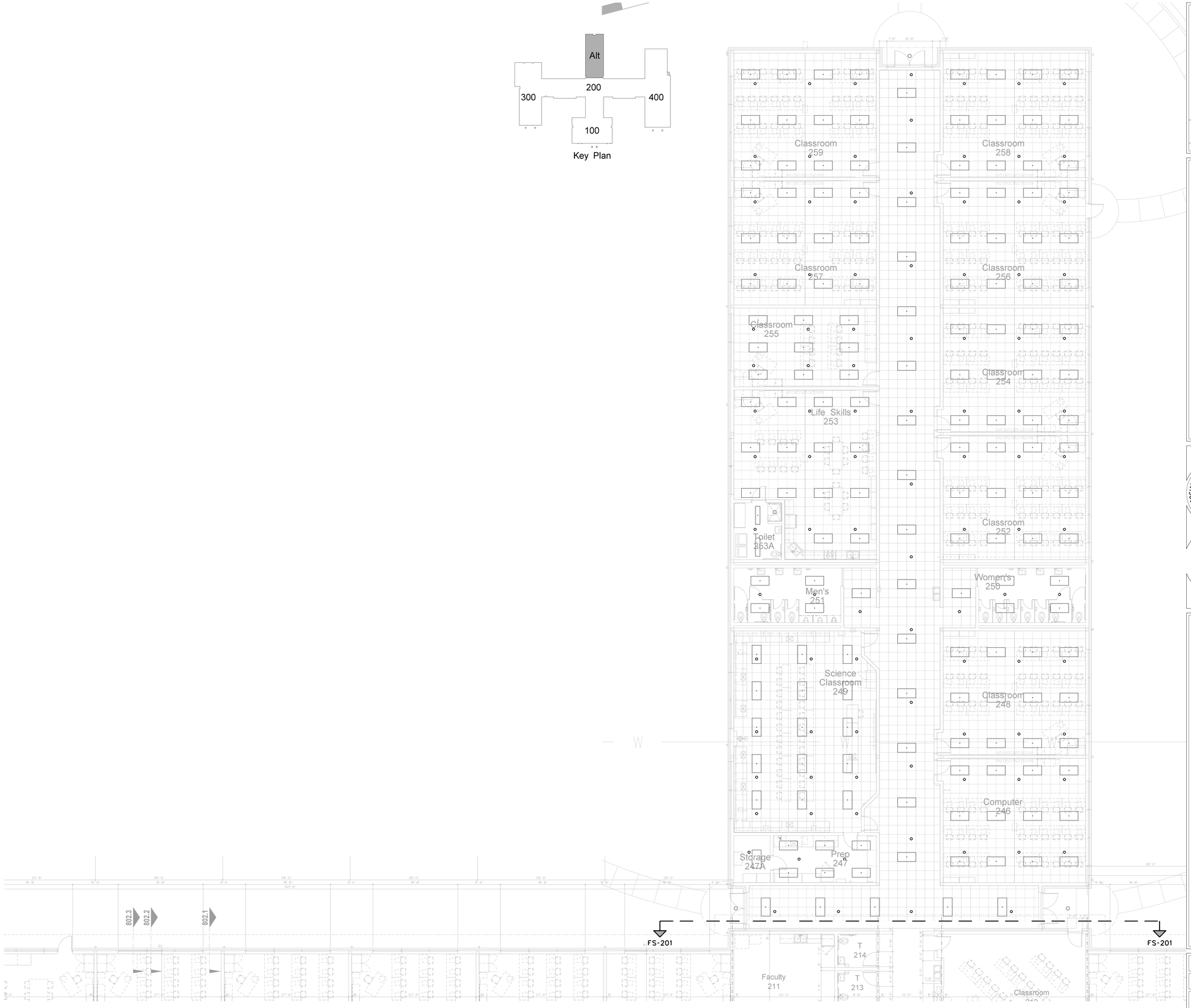
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Key Plan



205.1 ALTERNATE CLASSROOM WING FIRE SPRINKLER PLAN
SCALE: 1/8" = 1'-0"

No.	Date	Revision

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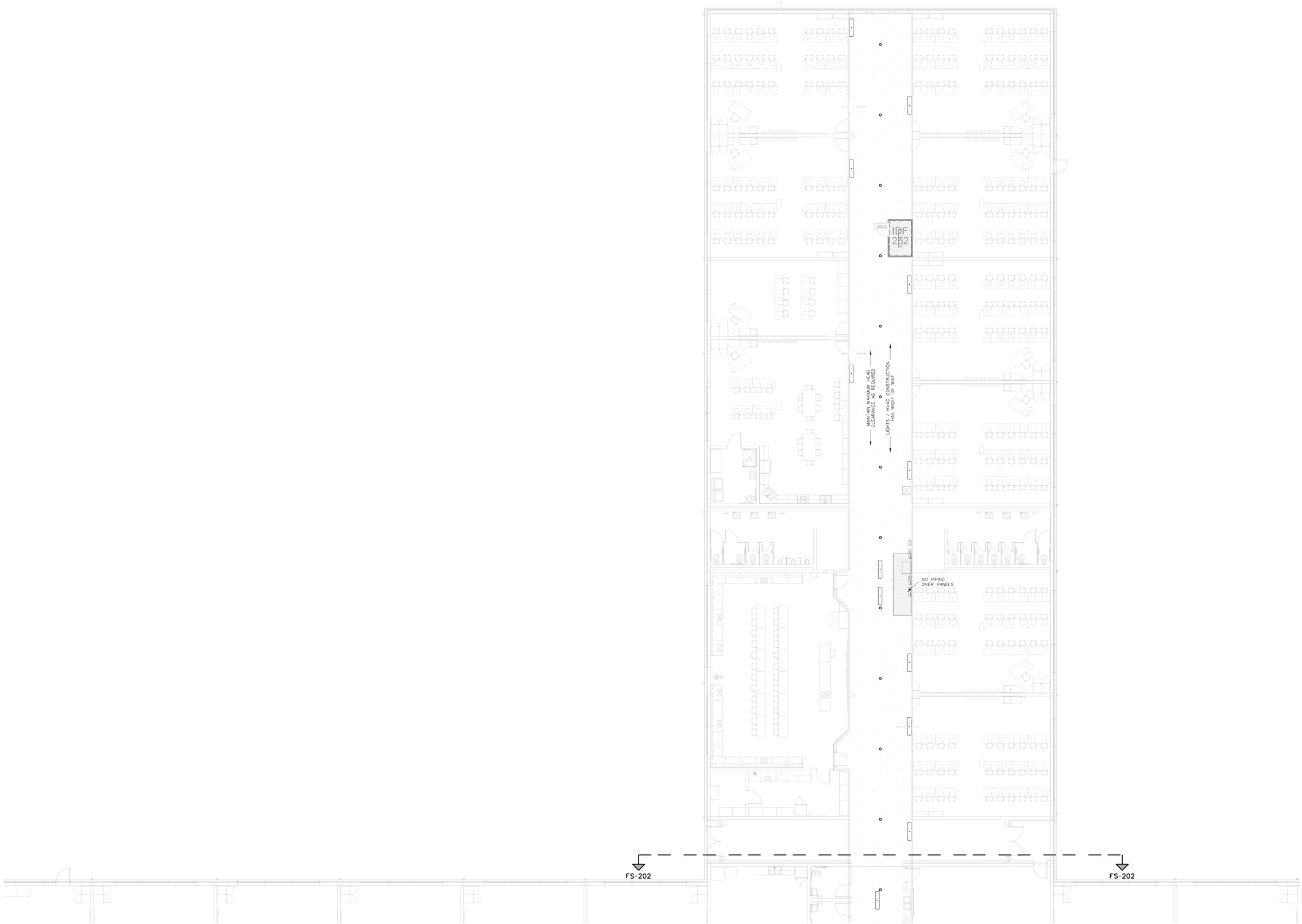
RECORD DRAWING

New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

RECORD DRAWING

Project No. 21131
Date: 28 March 2012
Drawing no. FS 205

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206.1 ALTERNATE CLASSROOM WING EQUIPMENT PLATFORM FIRE SPRINKLER PLAN
SCALE: 1/8" = 1'-0"

No.	Date	Revision

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RECORD DRAWING

New Bertie High School
Bertie County Schools
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Windsor / Bertie County / North Carolina

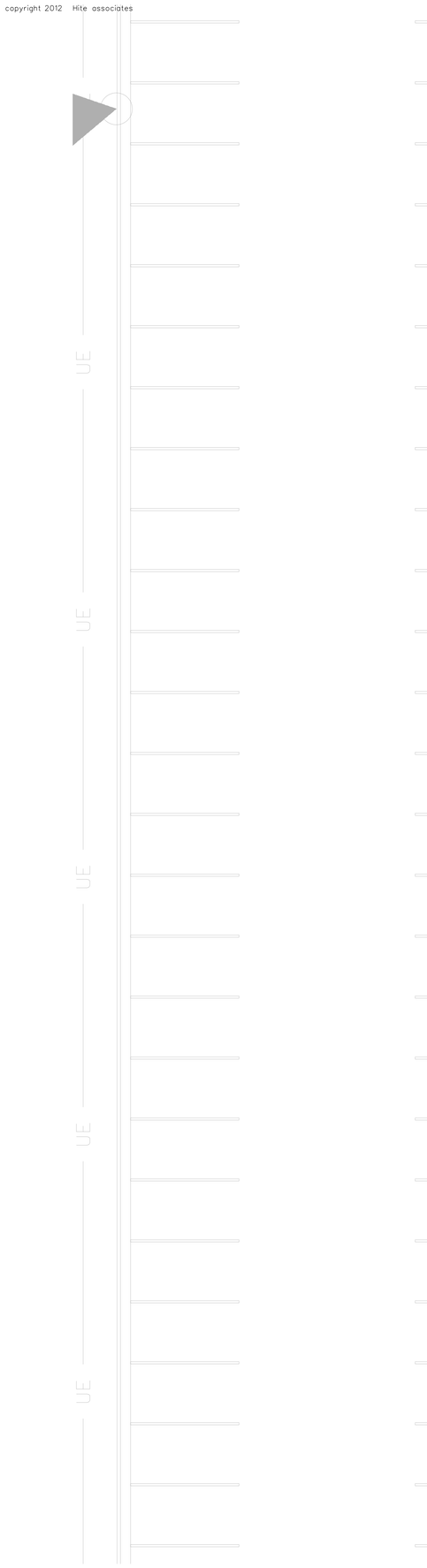
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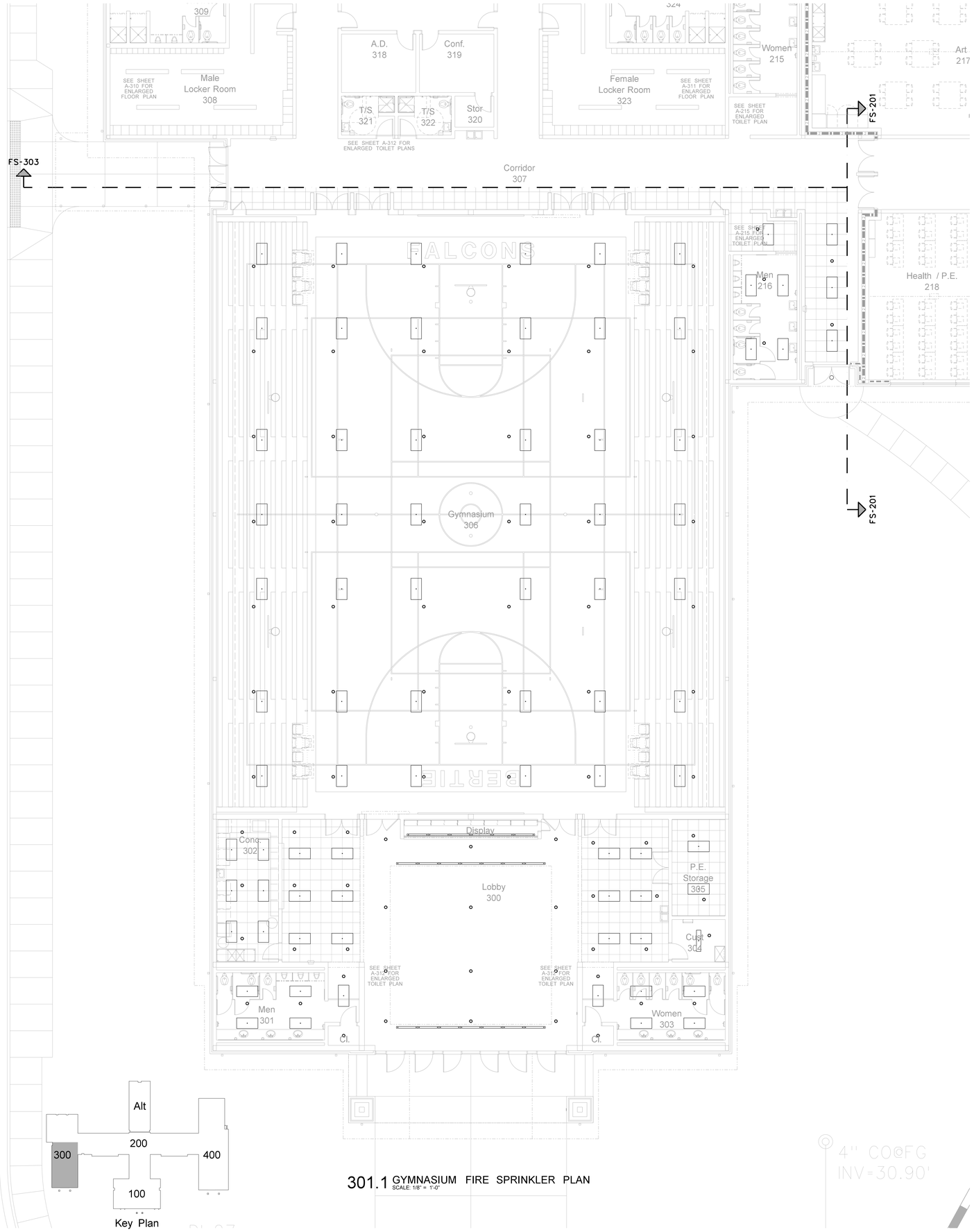
Project No.
21131

Date:
28 March 2012

Drawing no.
FS 206

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Key Plan

301.1 GYMNASIUM FIRE SPRINKLER PLAN
SCALE: 1/8" = 1'-0"

4" CO@FG
INV=30.90'

No.	Date	Revision

Hite associates
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HITE ASSOCIATES, P.C. — ARCHITECTURAL CORPORATION — REGISTERED — CERTIFICATE NUMBER C-418 — GREENVILLE, N.C.

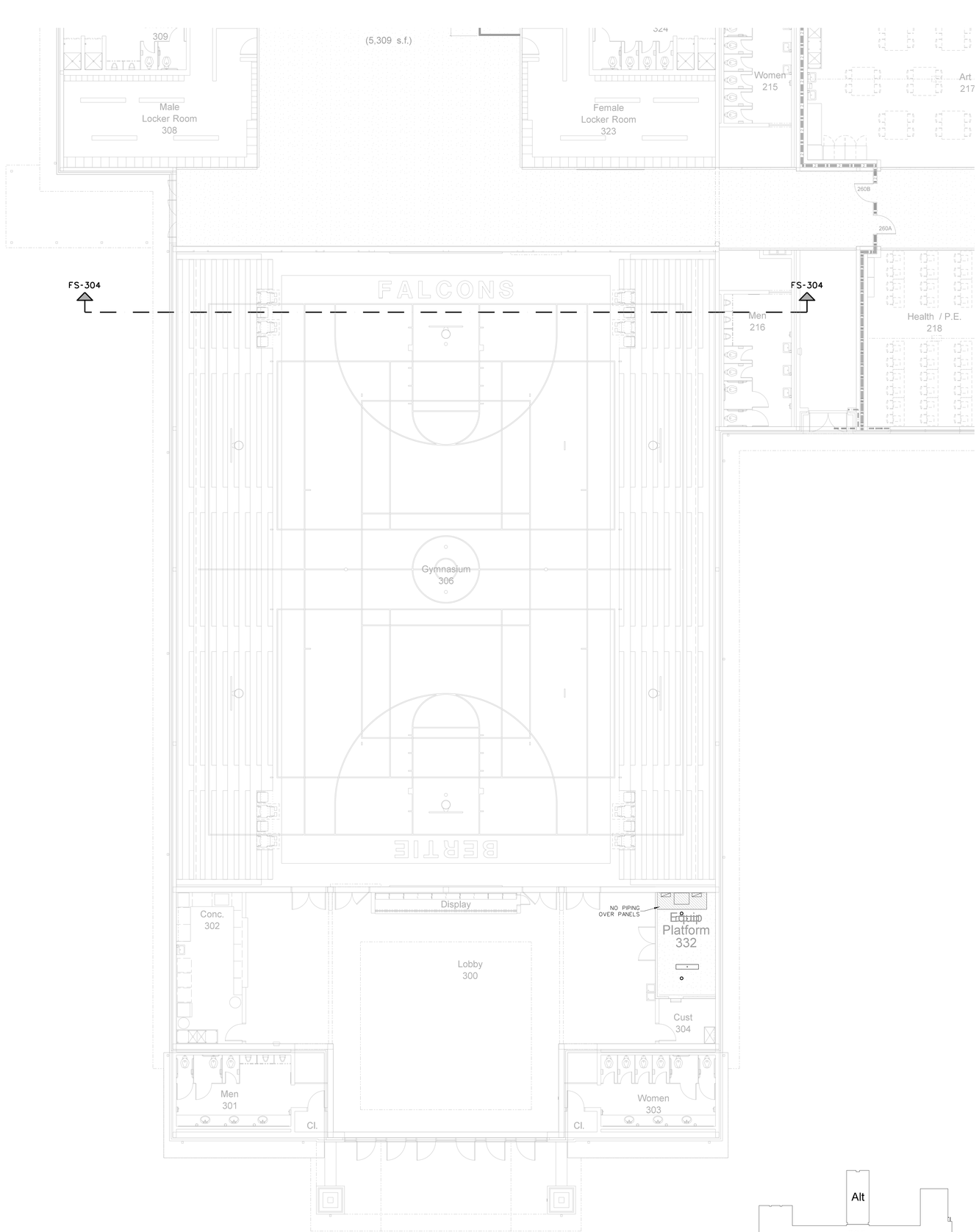
RECORD DRAWING

New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

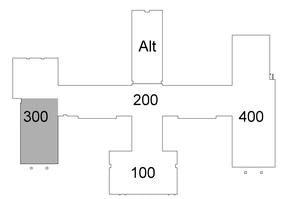
RECORD DRAWING

Project No.: 21131
Date: 28 March 2012
Drawing no.: FS 301

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302.1 GYMNASIUM EQUIPMENT PLATFORM FIRE SPRINKLER PLAN
SCALE: 1/8" = 1'-0"



Key Plan

No.	Date	Revision

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RECORD DRAWING

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Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

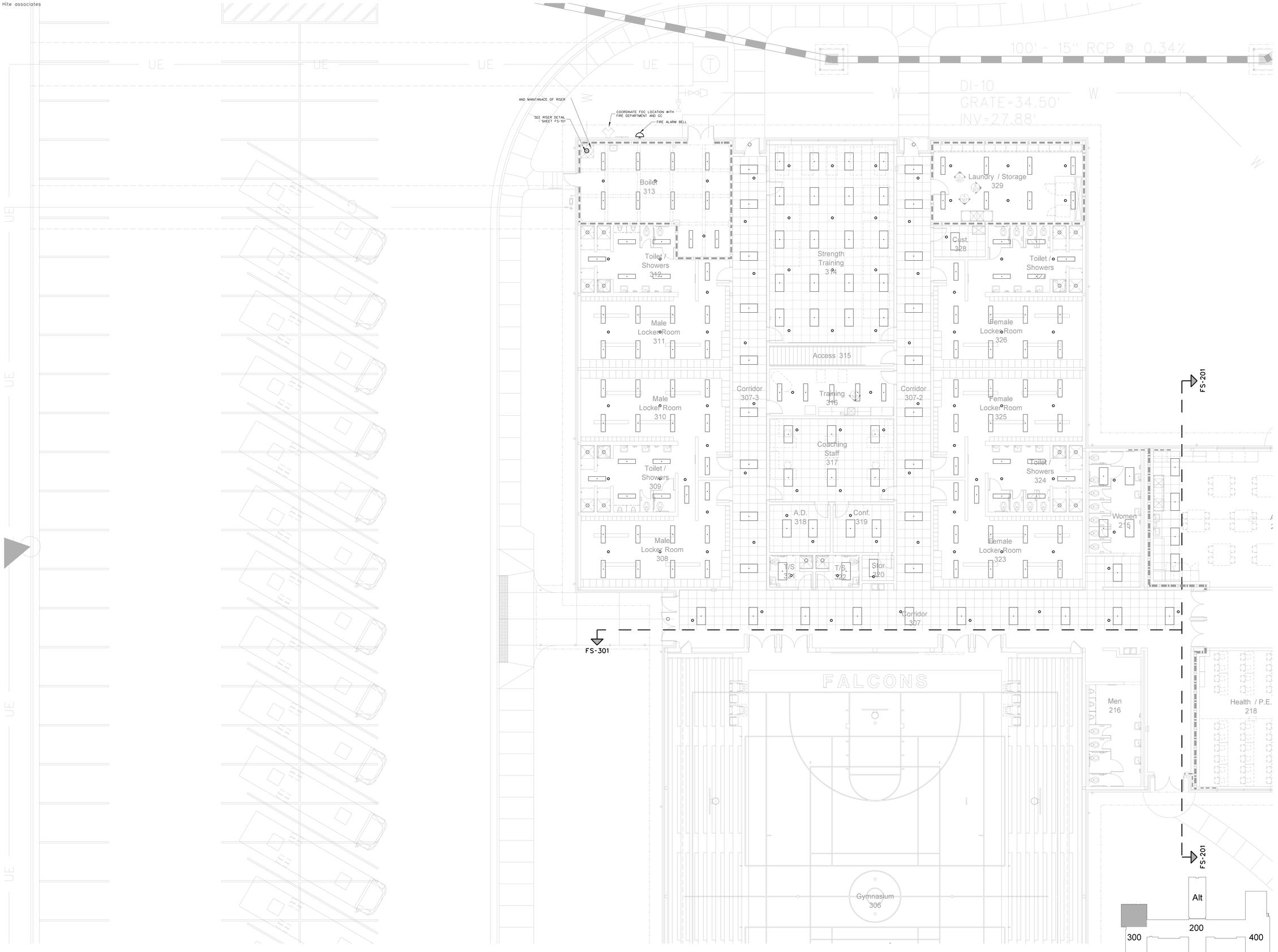
RECORD DRAWING

Project No.
21131

Date
28 March 2012

Drawing no.
FS
302

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303.1 GYMNASIUM FIRE SPRINKLER PLAN
SCALE: 1/8" = 1'-0"

No.	Date	Revision

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HITE ASSOCIATES, P.C. ARCHITECTURAL CORPORATION REGISTERED NORTH CAROLINA GREENVILLE LICENSE NUMBER 418

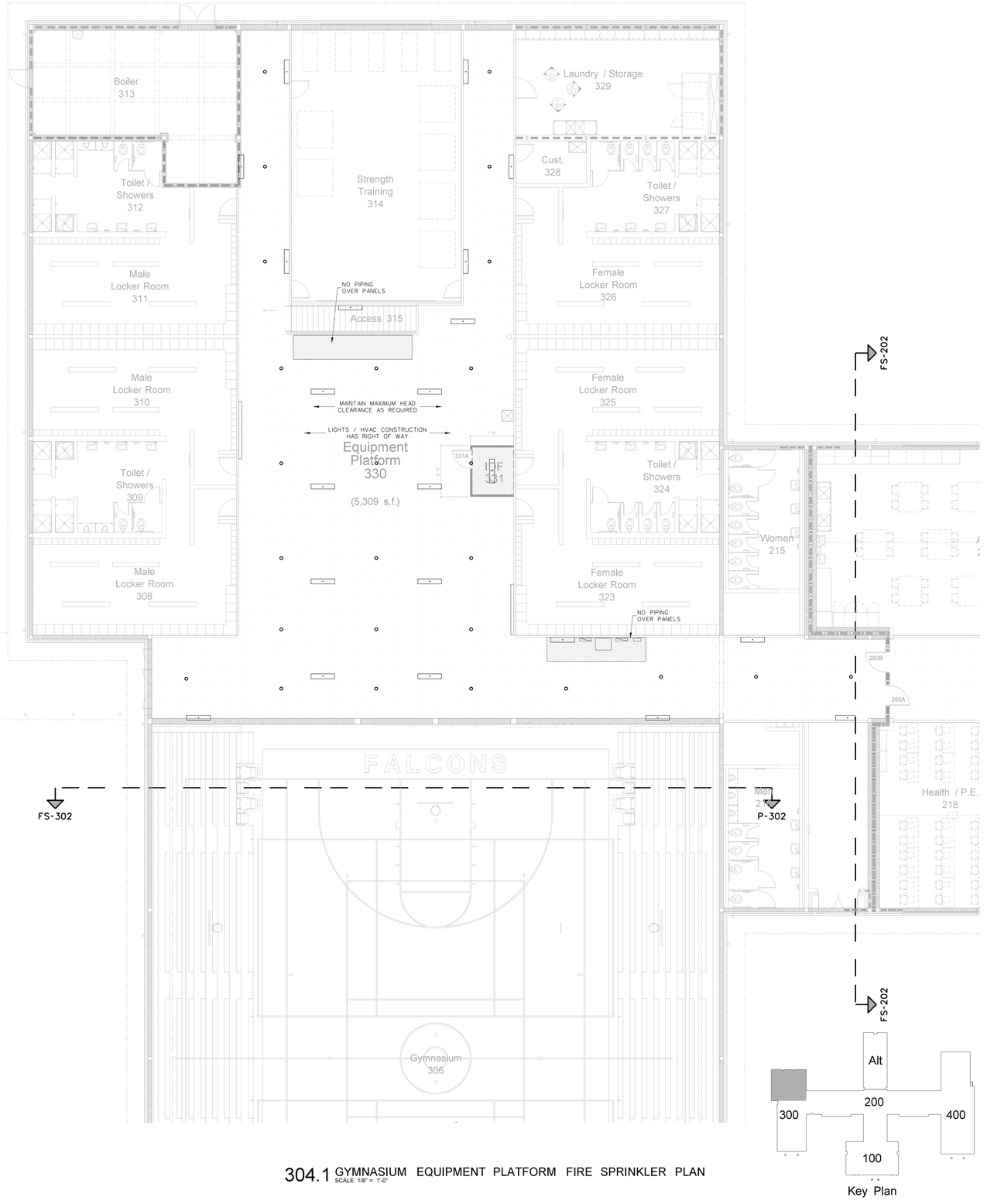
RECORD DRAWING

New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

RECORD DRAWING

Project No. 21131
Date: 28 March 2012
Drawing no. FS 303

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304.1 GYMNASIUM EQUIPMENT PLATFORM FIRE SPRINKLER PLAN
SCALE: 1/8" = 1'-0"

No.	Date	Revision

Hite associates
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HITE ASSOCIATES, P.C. ARCHITECTURAL CORPORATION REGISTERED CERTIFICATE NUMBER C-418 GREENVILLE, N.C.

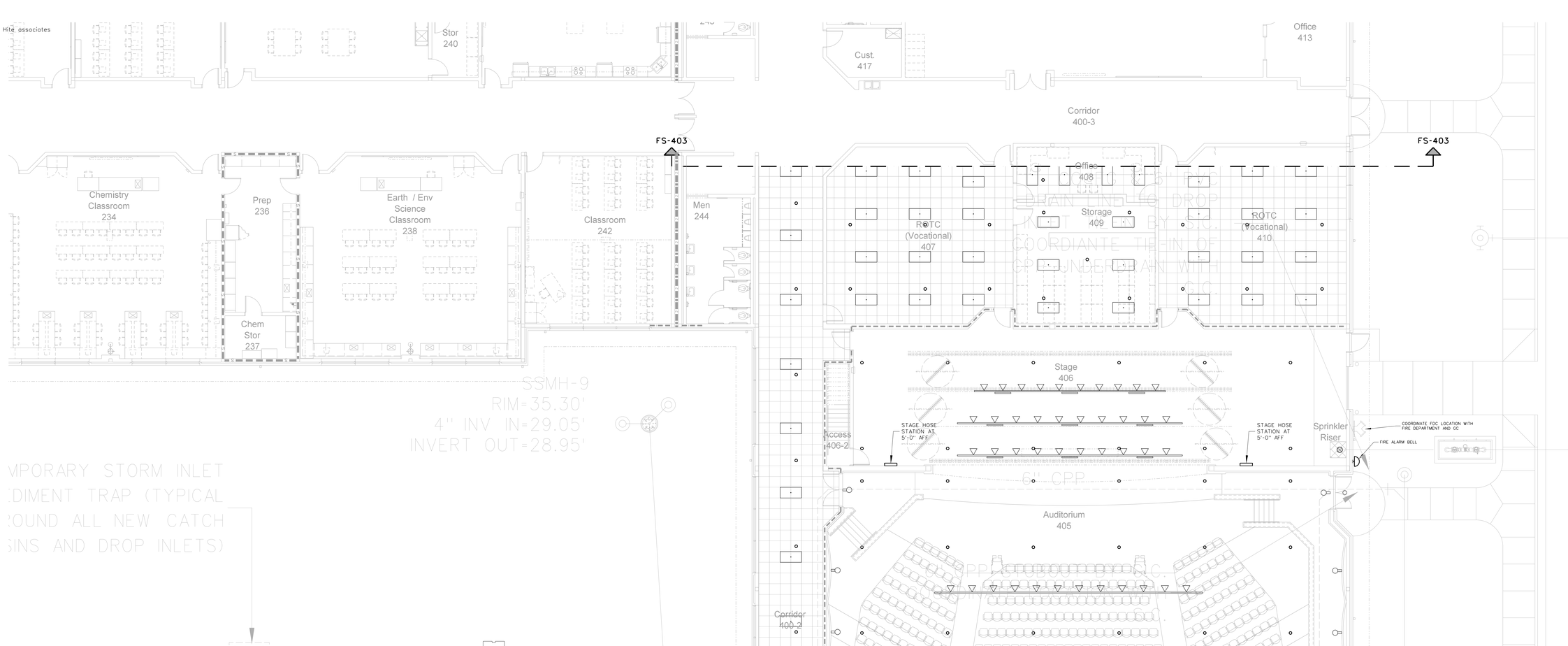
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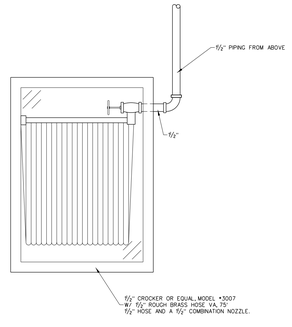
New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

RECORD DRAWING

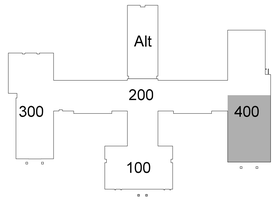
Project No. 21131
Date: 28 March 2012
Drawing no.
FS 304

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1101.1 SURFACE MOUNTED STAGE HOSE STATION DETAIL
SCALE: 1/8" = 1'-0"



Key Plan

401.1 THEATER FIRE SPRINKLER PLAN
SCALE: 1/8" = 1'-0"

No.	Date	Revision

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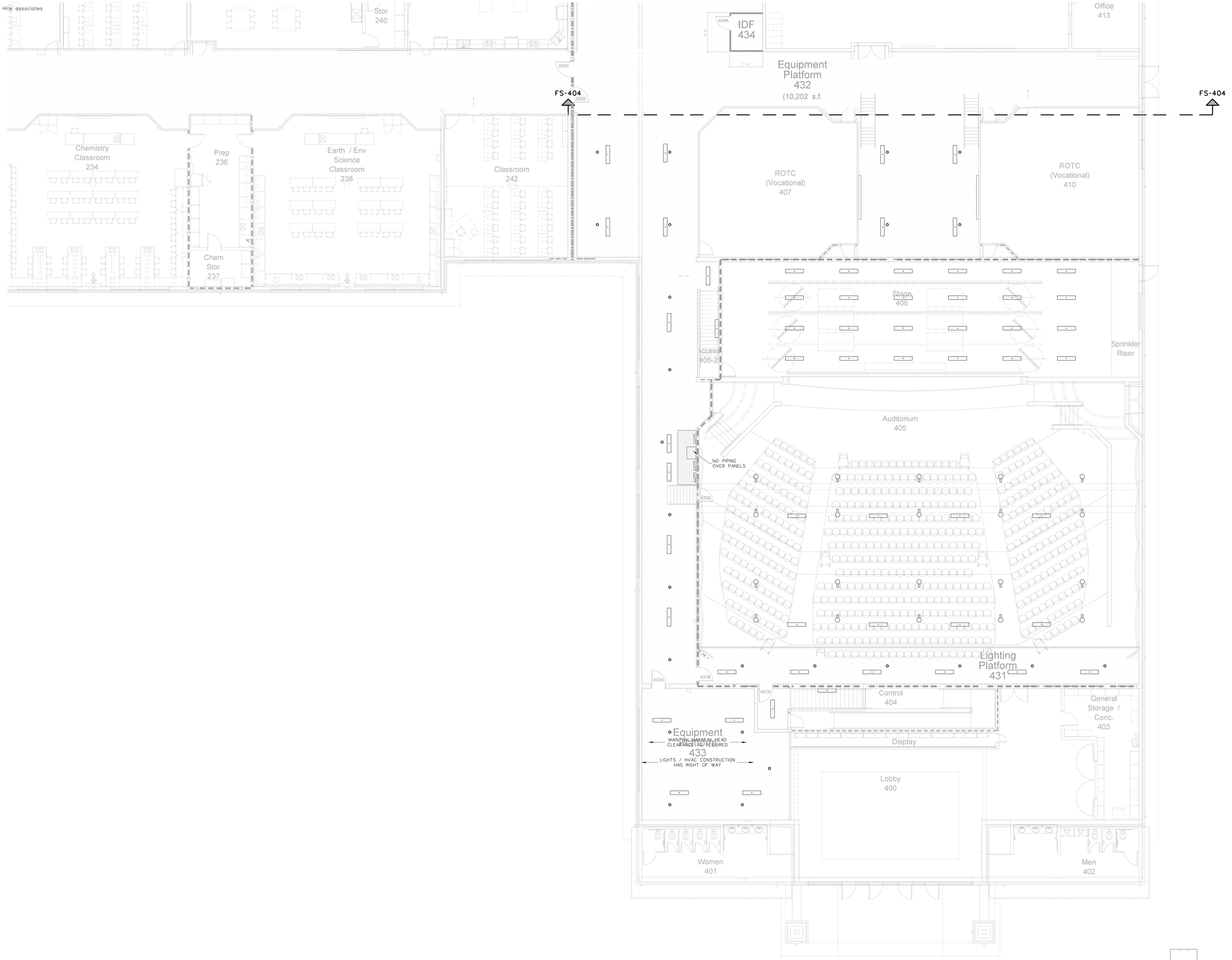
RECORD DRAWING

New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

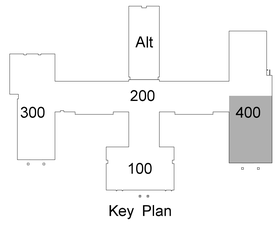
RECORD DRAWING

Project No.
21131
Date:
28 March 2012
Drawing no.
FS
401

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402.1 THEATER EQUIPMENT PLATFORM PLUMBING PLAN
SCALE: 1/8" = 1'-0"



Key Plan

No.	Date	Revision

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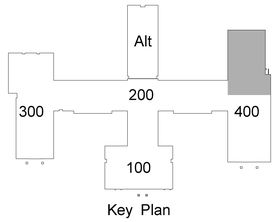
RECORD DRAWING

New Bertie High School
Bertie County Schools
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Date:	28 March 2012
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Key Plan

Cafeteria 420
Serving 421
Dishwash 423
Kitchen 422
Corridor 400-4
Stairs 419
Office 424
Dry Storage 425
C 427
Staff 426
428
Cooler 429
Freezer 430
Can Wash
PROVIDE DRY-PENDENT SPRINKLER HEAD AS REQUIRED ABOVE FREEZER AND COOLER
SEE SHEET A-411 FOR ENLARGED TOILET PLAN
Uniform Storage 415
Band 412
Ensemble 414
T 418
Flags 416
Office 413
Quiet 417
Corridor 400-3
Office 408
SEE SHEET A-411 FOR ENLARGED TOILET PLAN
SEE SHEET A-214 FOR ENLARGED FLOOR PLAN
SEE SHEET A-215 FOR SIM. ENLARGED TOILET PLAN
FS-203
FS-401
C.O.N.F.G & S" PVC

Classroom 233
Classroom 235
Art II 239
Stor 243-2
Kiln 241
Stor 240
Foods 243
Women 245
SEE SHEET A-210 FOR ENLARGED TYPICAL CLASSROOM FLOOR PLAN
SEE SHEET A-211 FOR ENLARGED FLOOR PLAN
SEE SHEET A-214 FOR ENLARGED FLOOR PLAN
SEE SHEET A-215 FOR SIM. ENLARGED TOILET PLAN
SEE SHEET A-215 FOR SIM. ENLARGED TOILET PLAN

403.1 KITCHEN CAFETERIA FIRE SPRINKLER PLAN
SCALE: 1/8" = 1'-0"

No.	Date	Revision

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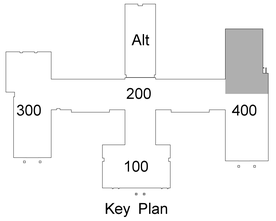
RECORD DRAWING

New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

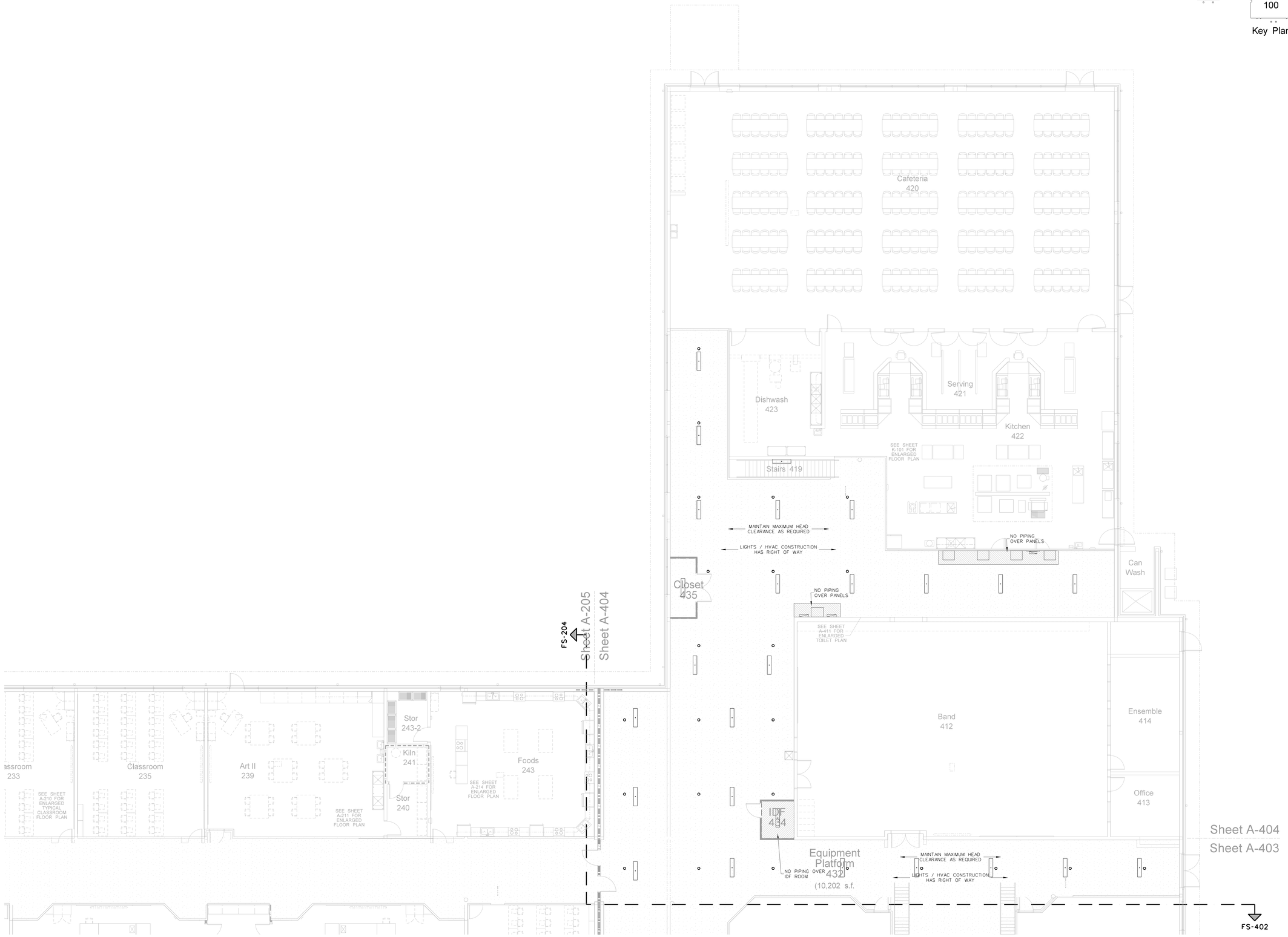
RECORD DRAWING

Project No. 21131
Date: 28 March 2012
Drawing no. FS 403

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Key Plan



404.1 KITCHEN CAFETERIA EQUIPMENT PLATFORM FIRE SPRINKLER PLAN
SCALE: 1/8" = 1'-0"

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HITE ASSOCIATES, P.C. ARCHITECTURAL CORPORATION REGISTERED LICENSE NUMBER C-418 GREENVILLE, N.C.

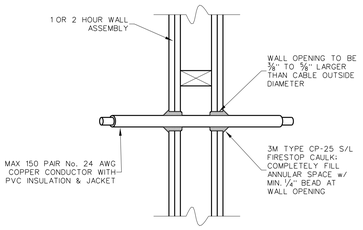
RECORD DRAWING

New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

RECORD DRAWING

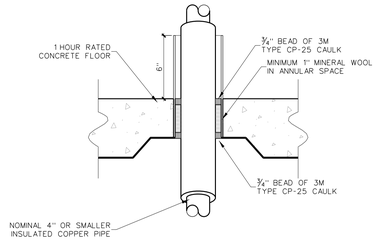
Project No. 21131
Date 28 March 2012
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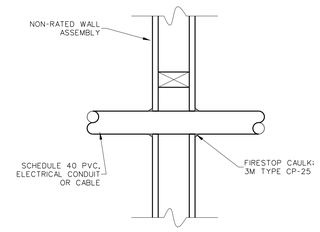
FIRESTOP PENETRATION UL • W-L-3001

001.16 CABLE THROUGH 1 OR 2 HOUR RATED GYPBOARD WALL
SCALE: none

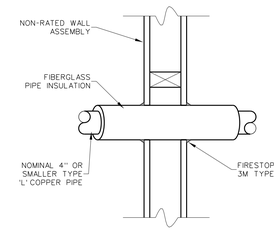


FIRESTOP PENETRATION UL • C-AJ-5001

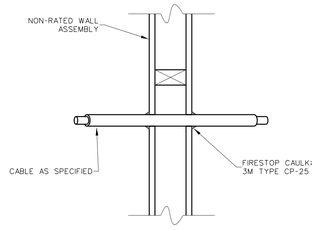
001.12 INSULATED PIPE THRU 1 HOUR RATED CONCRETE FLOOR
SCALE: none



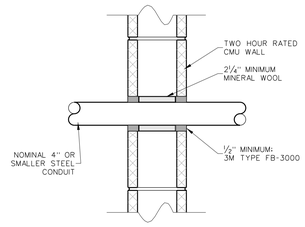
001.8 PIPE / CONDUIT / CABLE THRU NON-RATED WALL
SCALE: none



001.4 INSULATED PIPE THRU NON-RATED WALL
SCALE: none

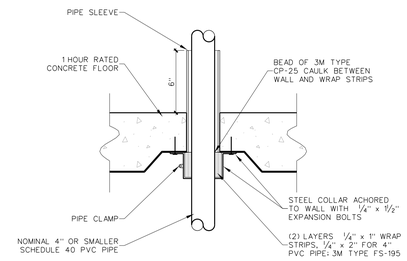


001.15 CABLE THRU NON-RATED WALL
SCALE: none



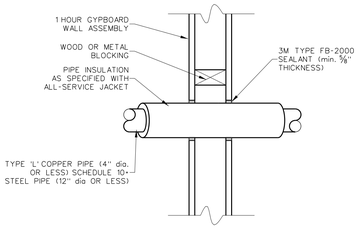
FIRESTOP PENETRATION UL • C-AJ-1014

001.11 CONDUIT THRU 2 HOUR RATED CMU WALL
SCALE: none



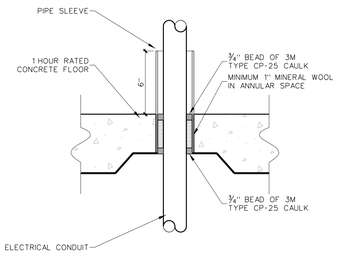
FIRESTOP PENETRATION UL • C-AJ-2001

001.7 PVC PIPE THRU 1 HOUR RATED CONCRETE FLOOR
SCALE: none



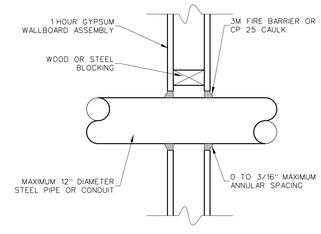
FIRESTOP PENETRATION UL • W-L-5032

001.3 INSULATED PIPE THRU 1 HOUR RATED GYPBOARD WALL
SCALE: none



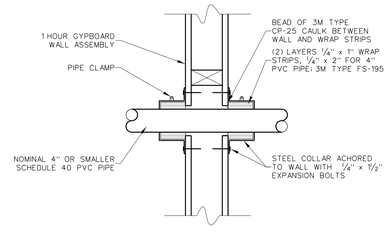
FIRESTOP PENETRATION UL • C-AJ-2001

001.14 CONDUIT THRU 1 HOUR RATED CONCRETE FLOOR
SCALE: none



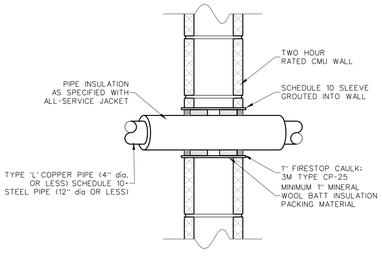
FIRESTOP PENETRATION UL • W-L-1001

001.10 CONDUIT THRU 1 HOUR RATED GYPBOARD WALL
SCALE: none



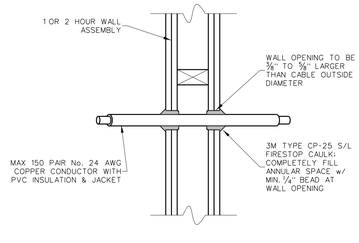
FIRESTOP PENETRATION UL • W-L-2002

001.6 PVC PIPE THRU 1 HOUR RATED GYPBOARD WALL
SCALE: none



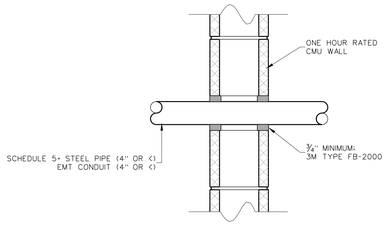
FIRESTOP PENETRATION UL • C-AJ-5001

001.2 INSULATED PIPE THRU 2 HOUR RATED CMU WALL
SCALE: none



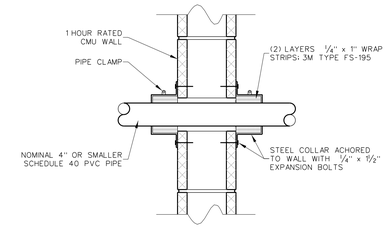
FIRESTOP PENETRATION UL • W-L-3001

001.13 CABLE THROUGH 1 OR 2 HOUR RATED GYPBOARD WALL
SCALE: none



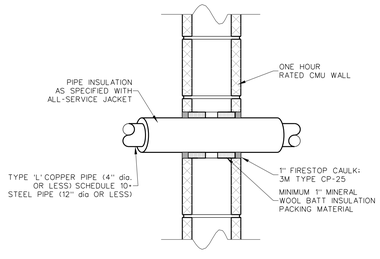
FIRESTOP PENETRATION UL • C-AJ-1013

001.9 CONDUIT THRU 1 HOUR RATED CMU WALL
SCALE: none



FIRESTOP PENETRATION UL • C-AJ-2025

001.5 PVC PIPE THRU 1 HOUR RATED CMU WALL
SCALE: none



FIRESTOP PENETRATION UL • C-AJ-5001

001.1 INSULATED PIPE THRU 1 HOUR RATED CMU WALL
SCALE: none

Hite associates
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2600 Meridian Drive / Greenville, NC 27834 / tel (252) 757-0333

No.	Date	Revision

HITE ASSOCIATES, P.C. — REGISTERED ARCHITECTURAL CORPORATION — STATE OF NORTH CAROLINA — LICENSE NUMBER C-418 — GREENVILLE

RECORD DRAWING

New Bertie High School
Bertie County Schools
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

RECORD DRAWING

Project No.: 21131
Date: 28 March 2012
Drawing no.: FP 001